



Job Order Contract Construction Task Catalog®

CSI Divisions 01-43 2025

Cal Poly Humboldt



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00 Using The Construction Task Catalog®	1
01 General Requirements	1
01 10 Summary	1
01 11 Summary Of Work	1
01 20 Price and Payment Procedures	1
01 22 Unit Prices	1
01 26 Contract Modification Procedures	41
01 29 Payment Procedures	41
01 30 Administrative Requirements	41
01 31 Project Management and Coordination	41
01 32 Construction Progress Documentation	42
01 33 Submittal Procedures	42
01 35 Special Procedures	42
01 40 Quality Requirements	43
01 41 Regulatory Requirements	43
01 42 References	43
01 45 Quality Control	43
01 50 Temporary Facilities and Controls	46
01 51 Temporary Utilities	46
01 52 Construction Facilities	46
01 53 Temporary Construction	48
01 54 Construction Aids	48
01 55 Vehicular Access and Parking	50
01 56 Temporary Barriers and Enclosures	56
01 57 Temporary Controls	66
01 58 Project Identification	66
01 60 Product Requirements	67
01 64 Owner-Furnished Products	67
01 65 Product Delivery Requirements	67
01 66 Product Storage and Handling Requirements	67
01 70 Execution and Closeout Requirements	68
01 71 Examination and Preparation	68
01 74 Cleaning and Waste Management	72
01 78 Closeout Submittals	73
01 79 Demonstration and Training	74
02 Existing Conditions	1
02 20 Assessment	1
02 25 Existing Material Assessment	1
02 30 Subsurface Investigation	1
02 32 Geotechnical Investigations	1
02 40 Demolition and Structure Moving	2
02 41 Demolition	2
02 42 Removal and Salvage of Construction Materials	20
02 43 Structure Moving	20
02 50 Site Remediation	20
02 58 Snow Control	20
02 60 Contaminated Site Material Removal	20
02 61 Removal and Disposal of Contaminated Soils	20
02 65 Underground Storage Tank Removal	21
02 80 Facility Remediation	24
02 81 Transportation and Disposal of Hazardous Materials	24
02 82 Asbestos Remediation	24
02 83 Lead Remediation	34
02 84 Polychlorinated Biphenyl Remediation	38
02 87 Bio-Hazard Material Remediation	38
02 89 Hazmat Ancillary Tasks and Support	47
02 90 Disaster Recovery	47
02 90 50 Cleaning and Disaster Clean-up	47
02 90 55 Emergency Clean-up	51
03 Concrete	1

Table of Contents

03 01 Maintenance of Concrete	1
03 01 30 Maintenance of Cast-In-Place Concrete	1
03 05 Common Work Results For Concrete	3
03 05 13 Concrete Admixtures	3
03 10 Concrete Forming and Accessories	3
03 11 Concrete Forming	3
03 15 Concrete Accessories	7
03 20 Concrete Reinforcing	16
03 21 Reinforcement Bars	16
03 22 Fabric and Grid Reinforcing	43
03 30 Cast-In-Place Concrete	44
03 30 53 Miscellaneous Cast-in-Place Concrete	44
03 31 Structural Concrete	45
03 35 Concrete Finishing	60
03 37 Specialty Placed Concrete	63
03 39 Concrete Curing	64
03 40 Precast Concrete	65
03 41 Precast Structural Concrete	65
03 48 Precast Concrete Specialties	74
03 50 Cast Decks and Underlayment	76
03 51 Cast Roof Decks	76
03 53 Concrete Topping	77
03 54 Cast Underlayment	77
03 60 Grouting	78
03 61 Cementitious Grouting	78
03 62 Non-Shrink Grouting	78
03 63 Epoxy Grouting	78
03 64 Injection Grouting	79
03 80 Concrete Cutting and Boring	79
03 81 Concrete Cutting	79
03 82 Concrete Boring	79

04 Masonry 1

04 01 Maintenance of Masonry	1
04 01 20 Maintenance of Unit Masonry	1
04 01 50 Maintenance of Refractory Masonry	10
04 05 Common Work Results for Masonry	10
04 05 13 Masonry Mortaring	10
04 05 16 Masonry Grouting	10
04 05 19 Masonry Anchorage and Reinforcing	11
04 05 23 Masonry Accessories	35
04 20 Unit Masonry	37
04 21 Clay Unit Masonry	37
04 22 Concrete Unit Masonry	40
04 23 Glass Unit Masonry	45
04 40 Stone Assemblies	45
04 41 Dry-Placed Stone	45
04 42 Exterior Stone Cladding	45
04 43 Stone Masonry	45
04 50 Refractory Masonry	47
04 51 Flue Liner Masonry	47
04 70 Manufactured Masonry	47
04 72 Cast Stone Masonry	47

05 Metals 1

05 01 Maintenance of Metals	1
05 01 50 Maintenance of Metal Fabrications	1
05 01 70 Maintenance of Decorative Metal	1
05 05 Common Work Results for Metals	1
05 05 19 Post-Installed Concrete Anchors	1
05 05 21 Fastening Methods for Metal	11
05 05 23 Metal Fastenings	13
05 10 Structural Metal Framing	74
05 12 Structural Steel Framing	74
05 14 Structural Aluminum Framing	132
05 15 Wire Rope Assemblies	134
05 20 Metal Joists	139

05 21 Steel Joist Framing	139
05 30 Metal Decking	140
05 31 Steel Decking	140
05 36 Composite Metal Decking	144
05 40 Cold-Formed Metal Framing	146
05 41 Structural Metal Stud Framing	146
05 42 Cold-Formed Metal Joist Framing	148
05 43 Slotted Channel Framing	148
05 45 Metal Support Assemblies	150
05 50 Metal Fabrications	150
05 51 Metal Stairs	150
05 52 Metal Railings	152
05 53 Metal Gratings	163
05 54 Metal Floor Plates	171
05 55 Metal Stair Treads and Nosings	171
05 56 Metal Castings	172
05 58 Formed Metal Fabrications	173
05 59 Metal Specialties	174
05 70 Decorative Metal	182
05 71 Decorative Metal Stairs	182
05 73 Decorative Metal Railings	182
05 75 Decorative Formed Metal	183

06 Wood, Plastics, and Composites 1

06 01 Maintenance of Wood, Plastics, and Composites	1
06 01 20 Maintenance of Finish Carpentry	1
06 01 40 Maintenance of Architectural Woodwork	1
06 05 Common Work Results for Wood, Plastics, and Composites	1
06 05 23 Wood, Plastic, and Composite Fastenings	1
06 05 73 Wood Treatment	22
06 10 Rough Carpentry	22
06 11 Wood Framing	22
06 13 Heavy Timber Construction	27
06 15 Wood Decking	29
06 16 Sheathing	32
06 17 Shop-Fabricated Structural Wood	37
06 18 Glued-Laminated Construction	43
06 20 Finish Carpentry	44
06 22 Millwork	44
06 25 Prefinished Paneling	45
06 40 Architectural Woodwork	46
06 41 Architectural Wood Casework	46
06 42 Wood Paneling	60
06 43 Wood Stairs and Railings	63
06 44 Ornamental Woodwork	65
06 46 Wood Trim	66
06 48 Wood Frames	83
06 50 Structural Plastics	84
06 51 Structural Plastic Shapes and Plates	84
06 52 Plastic Structural Assemblies	90
06 53 Plastic Decking	90
06 60 Plastic Fabrications	90
06 65 Plastic Trim	90
06 70 Structural Composites	91
06 74 Composite Gratings	92
06 80 Composite Fabrications	93
06 82 Composite Trim	93
06 83 Composite Paneling	95

07 Thermal And Moisture Protection 1

07 01 Operation and Maintenance of Thermal and Moisture Protection	1
07 01 50 Maintenance of Membrane Roofing	1
07 05 Common Work Results for Thermal and Moisture Protection	1
07 05 13 Mobilization Of Crew For Small Quantity Of Roof Work	1
07 10 Dampproofing and Waterproofing	1
07 11 Dampproofing	1
07 13 Sheet Waterproofing	2

Table of Contents

07 14 Fluid-Applied Waterproofing	3
07 16 Cementitious and Reactive Waterproofing	4
07 17 Bentonite Waterproofing	4
07 18 Traffic Coatings	4
07 19 Water Repellents	5
07 20 Thermal Protection	5
07 21 Thermal Insulation	5
07 22 Roof and Deck Insulation	16
07 24 Exterior Insulation and Finish Systems	42
07 25 Weather Barriers	45
07 26 Vapor Retarders	45
07 27 Air Barriers	45
07 30 Steep Slope Roofing	45
07 31 Shingles and Shakes	45
07 32 Roof Tiles	50
07 34 Roofing Underlayment	52
07 40 Roofing and Siding Panels	53
07 41 Roof Panels	53
07 42 Wall Panels	57
07 46 Siding	58
07 50 Membrane Roofing	62
07 51 Built-Up Bituminous Roofing	62
07 52 Modified Bituminous Membrane Roofing	70
07 53 Elastomeric Membrane Roofing	79
07 54 Thermoplastic Membrane Roofing	82
07 55 Protected Membrane Roofing	88
07 56 Fluid-Applied Roofing	88
07 57 Coated Foamed Roofing	88
07 58 Roll Roofing	90
07 59 Membrane Roofing Termination Bar	90
07 60 Flashing and Sheet Metal	90
07 61 Sheet Metal Roofing	90
07 62 Sheet Metal Flashing and Trim	93
07 63 Sheet Metal Roofing Specialties	97
07 65 Flexible Flashing	99
07 70 Roof and Wall Specialties and Accessories	99
07 71 Roof Specialties	99
07 72 Roof Accessories	125
07 73 Roof Protection Board	148
07 76 Roof Pavers	150
07 80 Fire and Smoke Protection	151
07 81 Applied Fireproofing	151
07 84 Firestopping	152
07 90 Joint Protection	157
07 91 Preformed Joint Seals	157
07 92 Joint Sealants	160
07 95 Expansion Control	163

08 Openings

1

08 01 Operation and Maintenance of Openings	1
08 01 10 Operation and Maintenance of Doors and Frames	1
08 01 50 Operation and Maintenance of Windows	1
08 01 70 Operation and Maintenance of Hardware	1
08 01 80 Maintenance of Glazing	1
08 05 Common Work Results for Openings	1
08 05 13 Door Options and Modifications	1
08 10 Doors and Frames	3
08 11 Metal Doors and Frames	3
08 12 Metal Frames	3
08 13 Metal Doors	24
08 14 Wood Doors	46
08 15 Plastic Doors	101
08 16 Composite Doors	101
08 17 Integrated Door Opening Assemblies	106
08 18 Glass Doors	109
08 30 Specialty Doors and Frames	109
08 31 Access Doors and Panels	109
08 33 Coiling Doors and Grilles	110

08 34 Special Function Doors	145
08 36 Panel Doors	154
08 38 Traffic Doors	161
08 40 Entrances, Storefronts, and Curtain Walls	177
08 42 Entrances	177
08 43 Storefronts	181
08 44 Curtain Wall and Glazed Assemblies	185
08 45 Translucent Wall and Roof Assemblies	187
08 50 Windows	187
08 51 Metal Windows	188
08 52 Wood Windows	203
08 53 Plastic Windows	239
08 56 Special Function Windows	266
08 60 Roof Windows and Skylights	269
08 62 Unit Skylights	269
08 63 Metal-Framed Skylights	274
08 66 Wood-Framed Skylights	279
08 70 Hardware	280
08 71 Door Hardware	280
08 72 Weatherstripping, Thresholds and Seals	362
08 75 Window Hardware	373
08 78 Special Function Hardware	373
08 79 Hardware Accessories	373
08 80 Glazing	374
08 81 Glass Glazing	374
08 83 Mirrors	385
08 84 Plastic Glazing	386
08 85 Glazing Accessories	388
08 87 Glazing Surface Films	388
08 88 Special Function Glazing	389
08 90 Louvers and Vents	390
08 91 Louvers	390
08 95 Vents	420

09 Finishes

1

09 01 Maintenance of Finishes	1
09 01 20 Maintenance of Plaster and Gypsum Board	1
09 01 30 Maintenance of Tiling	1
09 01 50 Maintenance of Ceilings	1
09 01 60 Maintenance of Flooring	1
09 01 80 Maintenance of Acoustic Treatment	2
09 01 90 Maintenance of Painting and Coating	2
09 05 Common Work Results for Finishes	7
09 05 61 Common Work Results for Flooring Preparation	7
09 05 71 Acoustic Underlayment	7
09 20 Plaster and Gypsum Board	7
09 22 Supports for Plaster and Gypsum Board	7
09 23 Gypsum Plastering	16
09 24 Cement Plastering	17
09 28 Backing Boards and Underlayments	18
09 29 Gypsum Board	19
09 30 Tiling	26
09 30 13 Ceramic Tiling	26
09 30 16 Quarry Tiling	27
09 30 33 Stone Tiling	28
09 31 Thin-Set Tiling	32
09 32 Mortar-Bed Tiling	32
09 34 Waterproofing-Membrane Tiling	32
09 35 Chemical-Resistant Tiling	33
09 39 Tiling Transitions	33
09 50 Ceilings	34
09 51 Acoustical Ceilings	34
09 53 Acoustical Ceiling Suspension Assemblies	49
09 54 Specialty Ceilings	51
09 57 Special Function Ceilings	52
09 60 Flooring	52
09 61 Flooring Treatment	52
09 63 Masonry Flooring	52

Table of Contents

09 64 Wood Flooring	53
09 65 Resilient Flooring	56
09 66 Terrazzo Flooring	66
09 67 Fluid-Applied Flooring	68
09 68 Carpeting	69
09 69 Access Flooring	81
09 70 Wall Finishes	81
09 72 Wall Coverings	81
09 73 Wall Carpeting	82
09 74 Flexible Wood Sheets	82
09 77 Special Wall Surfacing	82
09 78 Interior Wall Paneling	82
09 80 Acoustic Treatment	83
09 81 Acoustic Insulation	83
09 84 Acoustic Room Components	84
09 90 Painting and Coating	85
09 91 Painting	85
09 93 Staining and Transparent Finishing	188
09 96 High-Performance Coatings	190
09 97 Special Coatings	193

10 Specialties 1

10 01 Operation and Maintenance of Specialties	1
10 01 40 Operation and Maintenance of Safety Specialties	1
10 01 50 Operation and Maintenance of Storage Specialties	1
10 10 Information Specialties	1
10 11 Visual Display Units	1
10 12 Display Cases	8
10 13 Directories	8
10 14 Signage	11
10 20 Interior Specialties	39
10 21 Compartments and Cubicles	39
10 22 Partitions	63
10 26 Wall and Door Protection	67
10 28 Toilet, Bath, and Laundry Accessories	79
10 40 Safety Specialties	89
10 41 Emergency Access And Information Cabinets	89
10 44 Fire Protection Specialties	89
10 45 Photoluminescent Exit Specialties	95
10 50 Storage Specialties	95
10 51 Lockers	95
10 55 Postal Specialties	111
10 56 Storage Assemblies	111
10 57 Wardrobe And Closet Specialties	114
10 70 Exterior Specialties	115
10 71 Exterior Protection	115
10 73 Protective Covers	125
10 75 Flagpoles	125
10 80 Other Specialties	127
10 81 Pest Control Devices	127
10 86 Security Mirrors And Domes	128

11 Equipment 1

11 01 Operation and Maintenance of Equipment	1
11 01 10 Operation and Maintenance of Vehicle and Pedestrian Equipment	1
11 10 Vehicle and Pedestrian Equipment	1
11 11 Vehicle Service Equipment	1
11 12 Parking Control Equipment	2
11 13 Loading Dock Equipment	3
11 14 Pedestrian Control Equipment	7
11 20 Commercial Equipment	9
11 21 Retail and Service Equipment	9
11 22 Banking Equipment	10
11 28 Office Equipment	10
11 30 Residential Equipment	11
11 30 13 Residential Appliances	11
11 30 33 Retractable Stairs	14

11 32 Unit Kitchens	15
11 40 Foodservice Equipment	15
11 41 Foodservice Storage Equipment	15
11 42 Food Preparation Equipment	35
11 44 Food Cooking Equipment	37
11 46 Food Dispensing Equipment	45
11 48 Foodservice Cleaning and Disposal Equipment	50
11 50 Educational and Scientific Equipment	50
11 52 Audio-Visual Equipment	50
11 53 Laboratory Equipment	58
11 60 Entertainment and Recreation Equipment	67
11 61 Broadcast, Theater, and Stage Equipment	67
11 66 Athletic Equipment	67
11 68 Play Field Equipment and Structures	69
11 80 Facility Maintenance and Operation Equipment	91
11 81 Maintenance Equipment	91
11 82 Facility Solid Waste Handling Equipment	92

12 Furnishings 1

12 01 Operation and Maintenance of Furnishings	1
12 01 60 Operation and Maintenance of Multiple Seating	1
12 20 Window Treatments	1
12 21 Window Blinds	1
12 22 Curtains and Drapes	1
12 23 Interior Shutters	3
12 24 Window Shades	5
12 25 Window Treatment Operating Hardware	13
12 30 Casework	13
12 31 Manufactured Metal Casework	14
12 35 Specialty Casework	18
12 36 Countertops	19
12 40 Furnishings and Accessories	21
12 41 Office Accessories	21
12 48 Rugs and Mats	22
12 50 Furniture	22
12 56 Institutional Furniture	22
12 59 Systems Furniture	29
12 60 Multiple Seating	32
12 61 Fixed Audience Seating	32
12 62 Portable-Audience Seating	34
12 66 Telescoping Stands	35

13 Special Construction 1

13 10 Special Facility Components	1
13 11 Swimming Pools	1
13 12 Fountains	1
13 20 Special Purpose Rooms	1
13 21 Controlled Environment Rooms	1
13 30 Special Structures	2
13 34 Fabricated Engineered Structures	2
13 40 Integrated Construction	21
13 46 Lightning Protection Systems	21
13 47 Facility Protection	22
13 48 Sound, Vibration, and Seismic Control	23
13 49 Radiation Protection	24

14 Conveying Equipment 1

14 01 Operation and Maintenance of Conveying Equipment	1
14 01 20 Operation and Maintenance of Elevators	1
14 20 Elevators	3
14 21 Electric Traction Elevators	3
14 24 Hydraulic Elevators	5
14 26 Limited-Use/Limited-Application Elevators	9
14 27 Custom Elevator Cabs and Doors	9
14 28 Elevator Equipment and Controls	10
14 40 Lifts	10

Table of Contents

14 41 People Lifts.....	10
14 42 Wheelchair Lifts.....	10
14 90 Other Conveying Equipment.....	11
14 91 Facility Chutes.....	11

21 Fire Suppression 1

21 01 Operation and Maintenance of Fire Suppression.....	1
21 01 10 Operation and Maintenance of Water-Based Fire-Suppression Systems.....	1
21 01 30 Operation and Maintenance of Fire-Suppression Equipment.....	1
21 05 Common Work Results for Fire Suppression.....	1
21 05 13 Common Motor Requirements for Fire-Suppression Equipment.....	1
21 05 16 Expansion Fittings and Loops for Fire-Suppression Piping.....	1
21 05 17 Sleeves and Sleeve Seals for Fire-Suppression Piping.....	1
21 05 19 Meters and Gages for Fire-Suppression Systems.....	1
21 05 23 General-Duty Valves for Water-Based Fire-Suppression Piping.....	2
21 05 29 Hangers and Supports for Fire-Suppression Piping and Equipment.....	4
21 05 33 Heat Tracing for Fire-Suppression Piping.....	4
21 05 48 Vibration and Seismic Controls for Fire-Suppression Piping and Equipment.....	4
21 05 53 Identification for Fire-Suppression Piping and Equipment.....	4
21 07 Fire-Suppression Systems Insulation.....	4
21 07 16 Fire-Suppression Equipment Insulation.....	4
21 07 19 Fire-Suppression Piping Insulation.....	4
21 10 Water-Based Fire-Suppression Systems.....	4
21 11 Facility Fire-Suppression Water-Service Piping.....	4
21 12 Fire-Suppression Standpipes.....	4
21 13 Fire-Suppression Sprinkler Systems.....	5
21 20 Fire-Extinguishing Systems.....	33
21 21 Carbon-Dioxide Fire-Extinguishing Systems.....	33
21 22 Clean-Agent Fire-Extinguishing Systems.....	33
21 23 Wet-Chemical Fire-Extinguishing Systems.....	41
21 24 Dry-Chemical Fire-Extinguishing Systems.....	44
21 30 Fire Pumps.....	46
21 31 Centrifugal Fire Pumps.....	46
21 34 Fire Pump Accessories.....	47

22 Plumbing 1

22 01 Operation and Maintenance of Plumbing.....	1
22 01 10 Operation and Maintenance of Plumbing Piping and Pumps.....	1
22 01 40 Operation and Maintenance of Plumbing Fixtures.....	1
22 05 Common Work Results for Plumbing.....	2
22 05 13 Common Motor Requirements for Plumbing Equipment.....	2
22 05 16 Expansion Fittings and Loops for Plumbing Piping.....	2
22 05 17 Sleeves and Sleeve Seals for Plumbing Piping.....	2
22 05 19 Meters and Gages for Plumbing Piping.....	2
22 05 23 General-Duty Valves for Plumbing Piping.....	2
22 05 29 Hangers and Supports for Plumbing Piping and Equipment.....	5
22 05 33 Heat Tracing for Plumbing Piping.....	5
22 05 48 Vibration and Seismic Controls for Plumbing Piping and Equipment.....	5
22 05 53 Identification for Plumbing Piping and Equipment.....	5
22 05 76 Facility Drainage Piping Cleanouts.....	5
22 07 Plumbing Insulation.....	8
22 07 16 Plumbing Equipment Insulation.....	8
22 07 19 Plumbing Piping Insulation.....	8
22 10 Plumbing Piping.....	37
22 11 Facility Water Distribution.....	37
22 12 Facility Potable-Water Storage Tanks.....	105
22 13 Facility Sanitary Sewerage.....	107
22 14 Facility Storm Drainage.....	153
22 15 General Service Compressed-Air Systems.....	162
22 30 Plumbing Equipment.....	166
22 31 Domestic Water Softeners.....	166
22 32 Domestic Water Filtration Equipment.....	168
22 33 Electric Domestic Water Heaters.....	169
22 34 Fuel-Fired Domestic Water Heaters.....	174
22 35 Domestic Water Heat Exchangers.....	177
22 40 Plumbing Fixtures.....	178
22 41 Residential Plumbing Fixtures.....	178

22 42 Commercial Plumbing Fixtures	178
22 43 Healthcare Plumbing Fixtures	193
22 45 Emergency Plumbing Fixtures	194
22 47 Drinking Fountains and Water Coolers	198
22 50 Pool and Fountain Plumbing Systems	201
22 51 Swimming Pool Plumbing Systems	201
22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities	209
22 63 Gas Systems for Laboratory and Healthcare Facilities	209
22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities	209

23 Heating, Ventilating, and Air-Conditioning (HVAC) 1

23 01 Operation and Maintenance of HVAC Systems	1
23 01 10 Operation and Maintenance of Facility Fuel Systems	1
23 01 20 Operation and Maintenance of HVAC Piping and Pumps	1
23 01 30 Operation and Maintenance of HVAC Air Distribution	3
23 01 50 Operation and Maintenance of Central Heating Equipment	4
23 01 60 Operation and Maintenance of Central Cooling Equipment	6
23 05 Common Work Results for HVAC	6
23 05 13 Common Motor Requirements for HVAC Equipment	7
23 05 16 Expansion Fittings and Loops for HVAC Piping	10
23 05 17 Sleeves and Sleeve Seals for HVAC Piping	18
23 05 19 Meters and Gages for HVAC Piping	18
23 05 23 General-Duty Valves For HVAC Piping	21
23 05 29 Hangers and Supports for HVAC Piping and Equipment	45
23 05 33 Heat Tracing for HVAC Piping	72
23 05 48 Vibration and Seismic Controls for HVAC	72
23 05 53 Identification for HVAC Piping and Equipment	76
23 05 66 Anti-Microbial Ultraviolet Emitters for HVAC Ducts and Equipment	76
23 05 93 Testing, Adjusting, and Balancing for HVAC	78
23 07 HVAC Insulation	81
23 07 13 Duct Insulation	81
23 07 16 HVAC Equipment Insulation	82
23 07 19 HVAC Piping Insulation	82
23 08 Commissioning of HVAC	85
23 09 Instrumentation and Control for HVAC	85
23 09 23 Direct-Digital Control System for HVAC	85
23 09 43 Pneumatic Control System For HVAC	108
23 10 Facility Fuel Systems	109
23 11 Facility Fuel Piping	109
23 12 Facility Fuel Pumps	120
23 13 Facility Fuel-Storage Tanks	121
23 20 HVAC Piping and Pumps	129
23 21 Hydronic Piping and Pumps	129
23 22 Steam and Condensate Piping and Pumps	214
23 23 Refrigerant Piping	219
23 25 HVAC Water Treatment	224
23 30 HVAC Air Distribution	224
23 31 HVAC Ducts and Casings	224
23 33 Air Duct Accessories	309
23 34 HVAC Fans	352
23 35 Special Exhaust Systems	367
23 36 Air Terminal Units	370
23 37 Air Outlets and Inlets	372
23 38 Ventilation Hoods	387
23 40 HVAC Air Cleaning Devices	389
23 41 Particulate Air Filtration	389
23 42 Gas-Phase Air Filtration	395
23 43 Electronic Air Cleaners	395
23 50 Central Heating Equipment	395
23 51 Breechings, Chimneys, and Stacks	395
23 52 Heating Boilers	416
23 53 Heating Boiler Feedwater Equipment	433
23 54 Furnaces	434
23 55 Fuel-Fired Heaters	436
23 57 Heat Exchangers for HVAC	438
23 60 Central Cooling Equipment	440
23 61 Refrigerant Compressors	440
23 62 Packaged Compressor and Condenser Units	441

Table of Contents

23 63 Refrigerant Condensers	443
23 64 Packaged Water Chillers	445
23 65 Cooling Towers	449
23 70 Central HVAC Equipment	454
23 71 Thermal Storage	454
23 72 Air-To-Air Energy Recovery Equipment	454
23 73 Indoor Central-Station Air-Handling Units	455
23 74 Packaged Outdoor HVAC Equipment	471
23 76 Evaporative Air-Cooling Equipment	478
23 80 Decentralized Unitary HVAC Equipment	479
23 81 Decentralized Unitary HVAC Equipment	479
23 82 Convection Heating and Cooling Units	492
23 83 Radiant Heating Units	507
23 84 Humidity Control Equipment	508

25 Integrated Automation 1

25 50 Integrated Automation Facility Controls	1
25 55 Integrated Automation Control of HVAC	1

26 Electrical 1

26 01 Operation and Maintenance of Electrical Systems	1
26 01 10 Operation and Maintenance of Medium-Voltage Electrical Distribution	1
26 01 20 Operation and Maintenance of Low-Voltage Electrical Distribution	2
26 01 26 Maintenance Testing of Electrical Systems	2
26 01 30 Operation and Maintenance of Facility Electrical Power Generating and Storing Equipment	3
26 01 50 Operation and Maintenance of Lighting	3
26 05 Common Work Results for Electrical	30
26 05 13 Medium-Voltage Cables	30
26 05 19 Low-Voltage Electrical Power Conductors and Cables	35
26 05 23 Control-Voltage Electrical Power Cables	53
26 05 26 Grounding and Bonding for Electrical Systems	53
26 05 29 Hangers and Supports for Electrical Systems	57
26 05 33 Raceway and Boxes for Electrical Systems	77
26 05 36 Cable Trays for Electrical Systems	295
26 05 39 Underfloor Raceways for Electrical Systems	379
26 05 43 Underground Ducts and Raceways for Electrical Systems	380
26 05 46 Utility Poles for Electrical Systems	382
26 05 53 Identification for Electrical Systems	387
26 05 83 Wiring Connections	387
26 09 Instrumentation and Control for Electrical Systems	390
26 09 10 Emergency Power Shutdown Management System (EPSMS)	390
26 09 23 Lighting Control Devices	390
26 10 Medium-Voltage Electrical Distribution	413
26 11 Substations	413
26 12 Medium-Voltage Transformers	420
26 13 Medium-Voltage Switchgear	425
26 18 Medium-Voltage Circuit Protection Devices	427
26 19 High-Voltage Circuit Protection	427
26 20 Low-Voltage Electrical Distribution	430
26 21 Low-Voltage Electrical Service Entrance	430
26 22 Low-Voltage Transformers	431
26 24 Switchboards and Panelboards	437
26 25 Enclosed Bus Assemblies	480
26 27 Low-Voltage Distribution Equipment	483
26 28 Low-Voltage Circuit Protective Devices	501
26 29 Low-Voltage Controllers	529
26 30 Facility Electrical Power Generating and Storing Equipment	545
26 31 Photovoltaic Collectors	545
26 32 Packaged Generator Assemblies	549
26 33 Battery Equipment	553
26 35 Power Filters and Conditioners	556
26 36 Transfer Switches	557
26 40 Electrical And Cathodic Protection	561
26 43 Surge Protective Devices	561
26 50 Lighting	565
26 51 Interior Lighting	565
26 52 Safety Lighting	618

26 54 Classified Location Lighting	623
26 55 Special Purpose Lighting	625
26 56 Exterior Lighting	639
27 Communications	1
27 01 Operation and Maintenance of Communications Systems	1
27 01 10 Operation and Maintenance of Structured Cabling and Enclosures	1
27 05 Common Work Results for Communications	1
27 05 26 Grounding and Bonding for Communications Systems	1
27 05 29 Hangers and Supports for Communications Systems	1
27 05 33 Conduits and Back Boxes for Communications Systems	4
27 05 36 Cable Trays for Communications Systems	4
27 05 39 Surface Raceways for Communications Systems	4
27 05 43 Underground Ducts and Raceways for Communications Systems	4
27 05 46 Utility Poles for Communications Systems	4
27 05 53 Identification for Communications Systems	4
27 10 Structured Cabling	4
27 11 Communications Equipment Room Fittings	4
27 13 Communications Backbone Cabling	11
27 15 Communications Horizontal Cabling	13
27 16 Communications Connecting Cords, Devices, and Adapters	54
27 20 Data Communications	56
27 21 Data Communications Network Equipment	56
27 29 Data Communications Network Systems	61
27 30 Voice Communications	104
27 32 Voice Communications Terminal Equipment	104
27 40 Audio-Video Communications	106
27 41 Audio-Video Systems	106
27 50 Distributed Communications and Monitoring Systems	109
27 51 Distributed Audio-Video Communications Systems	109
27 53 Distributed Systems	110
28 Electronic Safety and Security	1
28 05 Common Work Results for Electronic Safety and Security	1
28 05 26 Grounding and Bonding for Electronic Safety and Security	1
28 05 53 Identification for Electronic Safety and Security	1
28 10 Access Control	1
28 15 Integrated Access Control Hardware Devices	1
28 16 Access Control Interfaces	1
28 18 Security Access Detection Equipment	7
28 20 Video Surveillance	7
28 21 Surveillance Cameras	7
28 40 Life Safety	25
28 41 Radiation Detection and Alarm	25
28 42 Gas Detection and Alarm	26
28 43 Fuel Oil Detection and Alarm	26
28 46 Fire Detection and Alarm	26
28 47 Mass Notification	71
28 49 Electronic Personal Protection Systems	74
31 Earthwork	1
31 05 Common Work Results for Earthwork	1
31 05 13 Soils for Earthwork	1
31 05 16 Aggregates for Earthwork	2
31 05 36 Equipment Delivery, Pickup, Mobilization and Demobilization	4
31 10 Site Clearing	4
31 11 Clearing and Grubbing	4
31 13 Selective Tree and Shrub Removal and Trimming	5
31 20 Earth Moving	7
31 22 Grading	7
31 23 Excavation and Fill	7
31 24 Embankments	14
31 25 Erosion and Sedimentation Controls	15
31 30 Earthwork Methods	19
31 31 Soil Treatment	19
31 32 Soil Stabilization	19

Table of Contents

31 35 Slope Protection	27
31 37 Riprap	27
31 40 Shoring and Underpinning	28
31 41 Shoring	28
31 43 Concrete Raising	29
31 45 Vibroflotation and Densification	29
31 60 Special Foundations and Load-bearing Elements	29
31 62 Driven Piles	29
31 63 Bored Piles	33
31 64 Caissons	34

32 Exterior Improvements 1

32 01 Operation and Maintenance of Exterior Improvements	1
32 01 11 Paving Cleaning	1
32 01 13 Flexible Paving Surface Treatment	1
32 01 16 Flexible Paving Rehabilitation	3
32 01 17 Flexible Paving Repair	4
32 01 26 Rigid Paving Rehabilitation	5
32 01 29 Rigid Paving Repair	6
32 01 90 Operation and Maintenance of Planting	6
32 05 Common Work Results for Exterior Improvements	9
32 05 33 Common Work Results for Planting	9
32 10 Bases, Ballasts, and Paving	9
32 11 Base Courses	9
32 12 Flexible Paving	10
32 13 Rigid Paving	17
32 14 Unit Paving	21
32 15 Aggregate Surfacing	24
32 16 Curbs, Gutters, Sidewalks, and Driveways	24
32 17 Paving Specialties	30
32 18 Athletic and Recreational Surfacing	41
32 30 Site Improvements	49
32 31 Fences and Gates	49
32 32 Retaining Walls	127
32 33 Site Furnishings	133
32 39 Manufactured Site Specialties	145
32 80 Irrigation	147
32 84 Planting Irrigation	147
32 90 Planting	164
32 91 Planting Preparation	164
32 92 Turf and Grasses	167
32 93 Plants	171
32 94 Planting Accessories	200
32 96 Transplanting	203

33 Utilities 1

33 01 Operation and Maintenance of Utilities	1
33 01 10 Operation and Maintenance of Water Utilities	1
33 01 20 Operation and Maintenance of Wells	5
33 01 30 Operation and Maintenance of Sewer Utilities	5
33 01 34 Operation and Maintenance of Onsite Wastewater Disposal Systems	69
33 01 70 Operation and Maintenance of Electrical Utilities	69
33 05 Common Work Results for Utilities	71
33 05 05 Buried Piping Installation	71
33 05 07 Trenchless Installation of Utility Piping	72
33 05 09 Piping Specials for Utilities	74
33 05 16 Cast-Iron Utility Pipe	74
33 05 17 Copper Utility Pipe and Tubing	74
33 05 19 Ductile-Iron Utility Pipe	74
33 05 24 Steel Utility Pipe	74
33 05 27 Corrugated Metal Utility Pipe	74
33 05 31 Thermoplastic Utility Pipe	74
33 05 33 Polyethylene Utility Pipe	74
33 05 39 Concrete Pipe	75
33 05 41 Vitrified Clay Utility Pipe	75
33 05 61 Concrete Manholes	75
33 05 63 Concrete Vaults and Chambers	77

33 05 81 Metallic Castings for Utility Structures	86
33 05 83 Non-Metallic Accessories for Utility Structures	86
33 05 84 Accessories for Utility Structures	86
33 05 97 Identification and Signage for Utilities	89
33 10 Water Utilities	90
33 11 Groundwater Sources	90
33 14 Water Utility Transmission and Distribution	98
33 16 Water Utility Storage Tanks	185
33 19 Water Utility Metering Equipment	185
33 30 Sanitary Sewerage Utilities	186
33 31 Sanitary Sewerage Piping	186
33 32 Sanitary Sewerage Equipment	193
33 34 Onsite Wastewater Disposal	193
33 40 Stormwater Utilities	194
33 41 Subdrainage	194
33 42 Stormwater Conveyance	198
33 44 Storm Utility Water Drains	255
33 46 Stormwater Management	257
33 50 Hydrocarbon Utilities	258
33 52 Hydrocarbon Transmission and Distribution	258
33 53 Hydrocarbon Utility Pressure Regulation	261
33 56 Hydrocarbon Storage	261
33 59 Hydrocarbon Utility Metering	261
33 60 Hydronic and Steam Energy Utilities	262
33 61 Hydronic Energy Distribution	262
33 70 Electrical Utilities	280
33 71 Electrical Utility Transmission and Distribution	280
34 Transportation	1
34 40 Transportation Signaling and Control Equipment	1
34 41 Roadway Signaling and Control Equipment	1
34 70 Transportation Construction and Equipment	10
34 71 Roadway Construction	10
40 Process Interconnections	1
40 05 Common Work Results For Process Interconnections	1
40 05 19 Ductile Iron Process Pipe	1
40 05 23 Stainless Steel Process Pipe and Tubing	218
40 05 41 Glass Process Pipe	249
40 20 Liquids Process Piping	250
40 23 Water and Wastewater Process Piping	250
41 Material Processing and Handling Equipment	1
41 01 Operation and Maintenance of Material Processing and Handling Equipment	1
41 01 20 Operation and Maintenance of Piece Material Handling Equipment	1
41 20 Piece Material Handling Equipment	1
41 22 Cranes and Hoists	1
43 Process Gas and Liquid Handling, Purification, and Storage Equipment	1
43 10 Gas Handling Equipment	1
43 11 Gas Fans, Blowers, Pumps And Boosters	1
43 20 Liquid Handling Equipment	1
43 23 Dry Location Liquid Pumps	1
43 24 Suspended Liquid Pumps	1
43 40 Gas and Liquid Storage	1
43 42 Pressurized Tanks And Vessels	1

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About the CTC:

- ☑ This Construction Task Catalog® (CTC) was developed and customized by The Gordian Group, Inc. specifically for **California Polytechnic University, Humboldt**, priced locally using current labor, material and equipment costs, and published in January 2025.
- ☑ The Gordian Group, Inc. licenses the use of this CTC and other proprietary information and software for the sole purpose of providing Job Order Contracting services to **California Polytechnic University, Humboldt**. Use of this CTC and other proprietary information and software for any other purpose, or for any other entity, is expressly prohibited without the express written consent of The Gordian Group, Inc.

MasterFormat™

- ☑ The Tasks in this CTC are organized using CSI's *MasterFormat*.



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The Unit Prices Include:

LABOR COSTS:

- ☑ Labor costs include direct labor through the working foreperson level at straight-time prevailing wage rates including fringe benefits and an allowance for Social Security, Medicare taxes, worker's compensation, unemployment insurance, and employee benefits.
- ☑ Labor costs include unloading equipment, materials, and tools, and transporting the same up or down 2 stories and 125' to reach the project site; layout; measuring and cutting to fit; performing the Task;

disposal of excess material; and time for lunch and breaks.

EQUIPMENT COSTS:

- ☑ Equipment costs include all equipment required to accomplish the Task.
- ☑ Mobilization is included for all equipment except large equipment (e.g. cranes, bulldozers, excavators, backhoes, bobcats etc.), which exclude mobilization.
- ☑ Equipment costs include all operating expenses such as fuel, electricity, lubricants, etc.

MATERIAL COSTS:

- ☑ Material costs include the cost of the material, delivery, and all incidentals and accessories integral to the installation.
- ☑ Material costs include manufacturer's and/or fabricator's shop drawings.
- ☑ Material costs for roofing, drywall, VCT, carpet, wall covering, ceiling tile, pipe, conduit, concrete, etc. include an allowance for waste. This list is not intended to be all inclusive, but descriptive of the types of construction materials that are typically sold in standard lengths, sizes and weights.
- ☑ Material costs for imported materials (e.g. aggregate, sand, soil, etc.) include delivery up to 15 miles from the closest approved source.

The Adjustment Factors Include:

The Adjustment Factors include the following costs, unless specifically excluded by the terms of the Contract Documents:

BUSINESS COSTS:

- ☑ Office overhead, including, but not limited to, office space, office equipment, office and management personnel, office supplies, and employee transportation.

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- ☒ Insurance and bonding.
- ☒ Profit.
- ☒ Job Order development services, Owner meetings, and other administrative services required by the Contract Documents.
- ☒ Subcontractor's overhead and profit.
- ☒ Cost of financing the work.
- ☒ Business risks such as the risk of a lower than expected volume of work, smaller than anticipated Job Orders, poor Subcontractor performance, and inflation or material cost fluctuations.

PROJECT RELATED COSTS:

- ☒ Project trailer, equipment and supplies, portable toilets, and hand wash stations for Contractor's use.
- ☒ Project management and project supervision.
- ☒ Services required to complete project filings and obtain permits.
- ☒ Preparation and modification of sketches, drawings, submittals, as-built drawings, project photographs and other project records.
- ☒ Incidental engineering and architectural services.
- ☒ Gang boxes and storage containers for Contractor's tools, equipment and materials.
- ☒ Basic safety and warning signage, minor barricades (e.g., construction tape, etc.) and personnel safety equipment (e.g., hard hats, safety harnesses with lifeline or cabling, protective clothing, safety glasses, face shields, etc.).
- ☒ Meeting Owner's security requirements.
- ☒ All taxes for which a waiver is not available including material sales tax and equipment rental.
- ☒ Removing and returning Owner's furniture and furnishings (e.g. chairs, tables, pictures, etc. but excluding modular furniture, furnishings fastened to the wall or floor, safes and other furniture requiring disassembly).
- ☒ Sealing windows, doors and other openings with plastic to contain construction dust and debris within the work area, or to protect existing surfaces.

- ☒ Working in extreme temperatures (below or above normal) or adverse conditions such as rain, wind, sleet or snow.
- ☒ Costs resulting from inadequate supply of building materials, fuel, electricity, or skilled labor.
- ☒ Daily clean-up.
- ☒ Final professional clean-up.

PRICE VARIATIONS:

- ☒ Contractors may experience direct costs that are different than the unit prices set forth in the CTC. While diligent effort was made to provide accurate, unit prices, it is the Contractor's responsibility to review and analyze the unit prices, and to calculate, prior to bidding, the Adjustment Factors accordingly.

SUMMARY:

- ☒ This list is not exhaustive and is intended to provide general examples of costs to be included in the Contractor's Adjustment Factors.
- ☒ The only compensation to be paid to the Contractor for Tasks will be:

Unit Price	X	Quantity	X	Adjustment Factor
------------	---	----------	---	-------------------

- ☒ No additional payments of any kind whatsoever will be made.
- ☒ All costs in excess of the unit prices, must be included in the Adjustment Factors.

General Rules:

- ☒ Unit prices are for complete and in-place construction and include all labor, equipment and material required to complete the Task as described in the CTC.
- ☒ All labor, material, equipment, spare parts, and documents required by a Technical Specification

shall be considered included in the unit price, unless the Task description states otherwise.

- ☑ If the Contractor uses a crane or other lifting equipment (except a truck mounted boom lift or other equipment as part of the delivery process) to lift material onto a roof, even if that roof is less than 2 stories, the Contractor will be paid for such crane or lifting equipment as a separate Task.
- ☑ Unit prices include all fasteners such as anchor bolts, lag bolts, screws, adhesive, wedge anchors, expansion bolts, roofing clips (excluding hurricane clips) required. Fasteners listed separately in the CTC are for use with Owner furnished material and equipment or for relocating or reinstalling existing material and equipment.
- ☑ Unit prices exclude more substantial mounting material such as threaded rod or angle iron unless the Task description states otherwise.
- ☑ Unit prices for doors and windows, duct work, plumbing fixtures, seamless floors, countertops, roof flashing, pitch pockets, skylights, roof curbs, exterior trim, etc. include sealant and caulking.
- ☑ Unit prices include testing, calibrating, balancing, start-up services and the like required to ensure proper installation, construction and performance of the work (e.g. compaction test for backfill, balancing of heating ventilation and air conditioning, pneumatic or hydrostatic testing, soaping of joints, disinfection and flushing of water lines, etc.). Contractor may be paid for testing, calibrating, balancing, start-up services and the like for Owner supplied materials and equipment, or when working on or tying into existing materials and equipment.
- ☑ For the purpose of calculating the quantity of a Task, quantities are calculated on a per project basis. The quantity so determined shall be used for the Task and all appropriate modifiers, unless the Task states otherwise.
- ☑ Whenever there are alternative Tasks that may be selected to complete work, the Contractor shall select the most practical and economical Tasks available (e.g. rental of equipment by weeks or months rather than days, or painting by roller or spray rather than brush).

DEMOLITION:

- ☑ Unit prices for demolition include all labor, equipment and material required for the complete removal of the items; clean-up of the area; and transporting the demolished items up or down 2 stories into a truck, dumpster, or to an Owner designated area, located within 125' of the project site.
- ☑ Unit prices for demolition exclude costs for hauling (See 01741900), dump fees (See 01741900), dumpsters (See 01741900), and trash chutes (See 01741900).
- ☑ If the item being demolished is attached to another item being removed and can be removed as one item, then that item shall not be priced as a separate demolition Task, unless the component must be demolished separately to accomplish the work (e.g. demolition of pipe includes pipe fittings unless the fitting must be demolished separately to accomplish the work; demolition of a wood door includes hinges, hardware, closures, kick plates, etc.).
- ☑ The word "replace" includes removal of the existing item and installation of the new item.
- ☑ The words "remove and relocate" or "remove and reinstall" include removal, cleaning, and installation of the existing item in either the same location or another location.
- ☑ Salvageable materials are the property of the Owner and shall, if directed, be turned over to the Owner.

WORKING HEIGHT:

- ☑ Typical working height for work other than masonry is up to 14' above the finished floor or stationary working surface. The Contractor will not be paid for scaffolding, lifts, or similar equipment for work below 14'.
- ☑ Typical working height for masonry work is up to 4' above the finished floor or stationary working surface. The Contractor will not be paid for scaffolding, lifts, or similar equipment for masonry work below 4'.

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FIELD ENGINEERING:

- ☑ Surveying Tasks shall be used only when the Owner requests the Contractor to perform topographic surveys, property line surveys or to establish horizontal and vertical control points. If the Owner provides horizontal and vertical control points within or adjacent to the project site, all other surveying required to complete the work shall be considered construction staking or layout, and the cost thereof is included in the appropriate Tasks.

ASSEMBLIES:

- ☑ Assembly Tasks take precedence over individual component Tasks.

RESTRICTED AND CONFINED SPACES:

- ☑ Restricted Working Space is defined as any area with less than 3' vertical or horizontal clearance and includes areas such as crawl spaces, ceiling plenums where the grid is not removed, narrow piping tunnels, and equipment rooms where the space to install the new work is congested as a result of equipment and piping placement that meet these dimensional restrictions. A Restricted Working Space modifier is available for certain mechanical piping and piping accessories Tasks and for certain electrical conduit and conduit accessories Tasks. Only those Tasks with a modifier for Restricted Working Space are eligible for a price adjustment, and then only if the modifier applies to the contemplated Tasks. A Non-Prepriced Task will not be allowed because of Restricted Working Space for any Task.
- ☑ The Code of Federal Regulations (29 CFR part 1926, Subpart AA) define confined spaces and permit-required confined spaces for construction and set forth requirements, procedures and safety precautions for working in such spaces. If the Contractor must work in a confined space or a permit-required confined space and must provide ventilation equipment, air monitoring equipment and services, entry attendants, entry supervisors, site-specific training for workers, or other equipment and

services required by the regulations, then the Contractor shall be paid for such equipment, services and training. Those costs shall not be included in the Adjustment Factors.

Or Equals:

- ☑ Whenever material, products, or equipment is identified in the CTC, or in the Technical Specifications, by reference to a manufacturer's name, make or model number, the identification is intended to establish a standard. Any material, product, or equipment of another manufacturer may be considered an or-equal provided that, in the opinion of the Owner, the material, product, or equipment so proposed is of equal quality, substance and function to the named item. The Contractor shall not install any proposed material, product, or equipment without the prior written approval of the Owner. The burden of proof, and all costs related thereto, concerning whether the proposed material, product, or equipment is an or-equal, shall be borne by the Contractor.

Useful Information:

UNIT OF MEASURE DEFINITIONS:

ACR – Acre, **BAG** – Bag, **BBL** – Barrel, **BCY** – Bank (In-place) Cubic Yards, **BF** – Board Foot, **BOX** – Box (each), **BTU** – British Thermal Unit, **C** – One Hundred, **CCF** – One Hundred Cubic Feet, **CCY** – Compacted Cubic Yards, **CF** – Cubic Foot, **CFM** – Cubic Feet Per Minute, **CI** – Cubic Inch, **CLF** – One Hundred Linear Feet, **CSF** – One Hundred Square Feet, **CSY** – Hundred Square Yards, **CWT** – Hundred Weight, **CY** – Cubic Yard, **CYM** – Cubic Yard Mile, **DAY** – Day, **DRM** – Drum (each), **EA** – Each, **FLR** – Floor (Per Floor), **FT** – Foot, **GAL** – Gallon, **GSF** – Ground Square Foot or Gross Square Foot, **HR** – Hour, **HWT** – Hundred Carton Weight, **HYR** – Half Year, **IN** – Inch, **JOB** – Job, **LAN** – Lane, **LB** – Pound, **LCY** – Loose (Excavated) Cubic

2025

Yards, **LF** - Linear Foot, **LFD** - Linear Feet Per Day, **LIT** - Liter, **LOT** - Lot, **MBF** - One Thousand Board Feet, **MBH** - One Thousand British Thermal Units, **MCF** - One Thousand Cubic Feet, **MF3** - One Thousand Cubic Feet Per Minute, **MGL** - One Thousand Gallons, **MI** - Mile, **MLF** - One Thousand Linear Feet, **MO** - Month, **MSF** - One Thousand Square Feet, **MSY** - One Thousand Square Yards, **MT** - Metric Ton, **MTK** - Metric Ton Kilometer, **M2** - Square Meter, **M3K** - Cubic Meter Kilometer, **NTE** - Note, **OPN** - Opening, **OUT** - Outlet or Output (each), **OZ** - Ounce, **PKG** - Package, **PNT** - Point, **PR** - Pair, **QT** - Quart, **ROL** - Roll (each), **ROM** - Room, **ROW** - Row, **RSR** - Riser (Per Rise), **SEA** - Seat, **SET** - Set, **SF** - Square Foot, **SHT** - Sheet, **SI** - Square Inch, **STP** - Stop (each), **SQ** - Square or One Hundred Square Feet, **SY** - Square Yard, **SYI** - Inches per Square Yard, **TNM** - Tons per Mile, **TON** - Ton, **TRK** - Truck Load, **UI** - United Inch, **UNT** - Unit, **VLF** - Vertical Linear Foot, **WK** - Week, **YD** - Yard, **YR** - Year

MATERIAL WEIGHTS:

EARTHEN MATERIAL

- ☒ The following engineering values for establishing shrink/swell factors shall be used unless otherwise directed by the Owner.

Material	Material Weight (Lbs Per CY)		
	In-place (Bank)	Loose (Excavated Materials)	Compacted
Earth, Common (Average)	3170	2536	3520
Sand	2880	2590	3240
Earth, Rock Mix. (75% E/ 25% R)	3380	2370	3720
Earth, Rock Mix. (50% E/50% R)	3750	2710	4000
Earth, Rock Mix. (25% E/ 75% R)	4120	3140	3680
Gravel (Average)	3280	2730	3570
Limestone	4380	2690	3220
Riprap Rock (Average)	4500	2610	3150
Granite	4540	2640	3170

Basalt	4950	3020	3640
Clay	3220	2150	3570
Gneiss	4550	2720	3180

BULK FACTORS FOR DEMOLITION:

- ☒ The following bulk factors shall be used to calculate the volume of demolished material to be transported from the project site.

- **Asphalt** = 1.25
- **Concrete** = 1.40

CONVERSIONS:

1 Acre = 43,560 Square Feet = 4046.8 Square Meters

1 Board Foot = 12" x 12" x 1" = 144 Cubic Inches

1 Centimeter = 0.3937 Inches = 0.0328 Feet

1 Cubic Foot = 0.03704 Cubic Yards = 0.02832 Cubic Meters

1 Cubic Meter = 1.3080 Cubic Yards = 35.3147 Cubic Feet

1 Cubic Yard = 27 Cubic Feet = 0.7646 Cubic Meters

1 Foot = 12 Inches = 0.3048 Meters

1 Inch = 2.54 Centimeters = 0.0254 Meters

1 Kilogram = 2.2046 Pounds

1 Kilometer = 0.6214 Miles = 3280 Feet

1 Meter = 100 Centimeters = 3.2808 Feet

1 Mile = 5280 Feet = 1.6093 Kilometers

1 Pound = 0.4536 Kilograms

1 Square Foot = 144 Square Inches = .0929 Square Meters

1 Square Meter = 1.1960 Square Yards = 10.7639 Square Feet

1 Square Yard = 9 Square Feet = 0.8361 Square Meters

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1 Ton = 2000 Pounds = 907.185 Kilograms

1 Yard = 3 Feet = 0.9144 Meters

TRADEMARKS

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Sheet Metal Thickness (inches)				
Gage No.	Steel Sheet	Galvanized Steel Sheet	Stainless Steel Sheet	Aluminum Sheet
10	.135	.138	.141	
11	.120	.123	.125	
12	.105	.108	.109	
13	.090	.093	.094	.072
14	.075	.079	.078	.064
15	.067	.071	.070	.057
16	.060	.064	.063	.051
17	.054	.058	.056	.045
18	.048	.052	.050	.040
19	.042	.046	.044	.036
20	.036	.040	.038	.032
21	.033	.037	.034	.028
22	.030	.034	.031	.025
23	.027	.031	.028	.023
24	.024	.028	.025	.020
25	.021	.025	.022	.018
26	.018	.022	.019	.017

STANDARD GEOMETRY:

Circle

- Circumference = $2 \pi \text{ radius} = \pi \text{ diameter}$
- Area = $\pi \text{ radius}^2 = \pi (\text{diameter}^2 / 4)$

Cylinder

- Volume = $(\pi \text{ radius}^2) \text{ height}$
- Surface Area = $2 \pi \text{ radius}^2 + (2 \pi \text{ radius}) \text{ height}$

Sphere

- Volume = $(4 \pi \text{ radius}^3) / 3$
- Surface Area = $4 \pi \text{ radius}^2$

$\pi = 3.14159$

United Inch

- The industry standard for measuring windows is the United Inch or UI. The UI is determined by adding the width and the height in inches.

01 General Requirements

01 10 Summary ⁽⁰¹⁾

01 11 Summary Of Work ^(01 10)

01 11 13 Work Covered by Contract Documents ^(01 11)

Note: For specification publishing. Review specifications for requirements.

01 11 13 00-0001	NTE	Work Covered by Contract Documents	0.00
Note: For specification publishing. Review specifications for requirements.			

01 20 Price and Payment Procedures ⁽⁰¹⁾

01 22 Unit Prices ^(01 20)

01 22 16 Unit Price Payment ^(01 22)

01 22 16 00-0001 Reimbursable Fees ^(01 22 16)

Note: Reimbursable fees include but are not limited to permits, special inspections, special insurance, additional warranties, tolls, expedited shipping costs, etc, which are not included in a task or an Adjustment Factor as explained in the Contract or The Construction Task Catalog®.

01 22 16 00-0002	EA	Reimbursable Fees.....	1.00
Note: Reimbursable Fees will be paid to the contractor for eligible costs as directed by Owner. Insert the appropriate quantity to adjust the base cost to the actual Reimbursable Fee. If there are multiple Reimbursable Fees, list each one separately and add a comment in the "note" block to identify the Reimbursable Fee (e.g. sidewalk closure, road cut, various permits, extended warranty, expedited shipping costs, etc.). A copy of each receipt, invoice, or proof of payment shall be submitted with the Price Proposal.			

01 22 16 00-0003 Negotiated Travel Costs ^(01 22 16)

Note: To be used only at the request of authorized personnel for non-commuting travel costs.

01 22 16 00-0004	EA	Negotiated Travel Costs	1.00
Note: Supporting documentation must be included with each Work Order.			

01 22 20 Wage Rates ^(01 22)

01 22 20 00-0001 Local Labor/Wage Rates ^(01 22 20)

Note: Welders receive the rate prescribed for the craft performing the operation to which the welding is incidental.

01 22 20 00-0002	HR	Asbestos Removal Worker	93.56
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.			
For Foreperson, Add			4.68
For Apprentice, Deduct			-18.71
01 22 20 00-0003	HR	Insulator	124.88
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.			
For Foreperson, Add			6.24
For Apprentice, Deduct			-24.98
01 22 20 00-0004	HR	Boilermaker	118.15
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.			
For Foreperson, Add			5.91
For Apprentice, Deduct			-23.63
01 22 20 00-0005	HR	Brick Layer	115.10
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.			
For Foreperson, Add			5.76
For Apprentice, Deduct			-23.02
01 22 20 00-0006	HR	Carpenter	127.12
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.			
For Foreperson, Add			6.36
For Apprentice, Deduct			-25.42
01 22 20 00-0007	HR	Carpet, Linoleum	77.93
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.			
For Foreperson, Add			3.90
For Apprentice, Deduct			-15.59
01 22 20 00-0008	HR	Cement Mason	97.63
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.			
For Foreperson, Add			4.88
For Apprentice, Deduct			-19.53
01 22 20 00-0009	HR	Drywall Finisher	122.75
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.			
For Foreperson, Add			6.14
For Apprentice, Deduct			-24.55
01 22 20 00-0010	HR	Electrician, (Inside Wireman)	116.60
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.			
For Foreperson, Add			5.83
For Apprentice, Deduct			-23.32
01 22 20 00-0011	HR	Equipment Operator, Heavy (Crane)	128.68
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.			
For Foreperson, Add			6.43
01 22 20 00-0012	HR	Equipment Operator, Medium (Bulldozer)	125.58
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.			
For Foreperson, Add			6.28
For Apprentice, Deduct			-25.12

01	General Requirements
01 20	Price and Payment Procedures
01 22	Unit Prices

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0013	HR		Equipment Operator, Light (Backhoe, Skid-Steer Loader).....	119.79	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreperson, Add	5.99	
			For Apprentice, Deduct	-23.96	
01 22 20 00-0014	HR		Glazier	101.13	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreperson, Add	5.06	
			For Apprentice, Deduct	-20.23	
01 22 20 00-0015	HR		Laborer	89.12	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreperson, Add	4.46	
			For Apprentice, Deduct	-17.82	
01 22 20 00-0016	HR		Lather.....	119.70	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreperson, Add	5.99	
			For Apprentice, Deduct	-23.94	
01 22 20 00-0017	HR		Marble Setter	124.63	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreperson, Add	6.23	
			For Apprentice, Deduct	-24.93	
01 22 20 00-0018	HR		Millwright.....	123.76	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreperson, Add	6.19	
			For Apprentice, Deduct	-24.75	
01 22 20 00-0019	HR		Mold Removal Worker	93.20	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreperson, Add	4.66	
			For Apprentice, Deduct	-18.64	
01 22 20 00-0020	HR		Painter, Ordinary.....	88.07	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreperson, Add	4.40	
			For Apprentice, Deduct	-17.61	
01 22 20 00-0021	HR		Painter, Structural Steel.....	92.14	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreperson, Add	4.61	
			For Apprentice, Deduct	-18.43	
01 22 20 00-0022	HR		Paperhanger.....	88.07	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreperson, Add	4.40	
			For Apprentice, Deduct	-17.61	
01 22 20 00-0023	HR		Pile Drivers	139.24	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreperson, Add	6.96	
			For Apprentice, Deduct	-27.85	
01 22 20 00-0024	HR		Plasterer	117.15	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreperson, Add	5.86	
			For Apprentice, Deduct	-23.43	
01 22 20 00-0025	HR		Plumber	122.87	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreperson, Add	6.14	
			For Apprentice, Deduct	-24.57	
01 22 20 00-0026	HR		Powderman.....	93.58	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreperson, Add	4.68	
			For Apprentice, Deduct	-18.72	
01 22 20 00-0027	HR		Rodman (Reinforcing)/Ornamental Steel Worker	104.95	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreperson, Add	5.25	
			For Apprentice, Deduct	-20.99	
01 22 20 00-0028	HR		Roofer, Composite.....	127.49	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreperson, Add	6.37	
			For Apprentice, Deduct	-25.50	
01 22 20 00-0029	HR		Roofer, Metal	147.03	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreperson, Add	7.35	
			For Apprentice, Deduct	-29.41	
01 22 20 00-0030	HR		Roofer, Tile/Slate.....	121.22	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreperson, Add	6.06	
			For Apprentice, Deduct	-24.24	
01 22 20 00-0031	HR		Sheet Metal Worker	175.37	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreperson, Add	8.77	
			For Apprentice, Deduct	-35.07	
01 22 20 00-0032	HR		Sprinkler Installer.....	98.69	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreperson, Add	4.93	
			For Apprentice, Deduct	-19.74	
01 22 20 00-0033	HR		Steam / Pipe Fitter	122.87	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreperson, Add	6.14	
			For Apprentice, Deduct	-24.57	
01 22 20 00-0034	HR		Stone Mason.....	115.10	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreperson, Add	5.76	
			For Apprentice, Deduct	-23.02	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0035	HR	Structural Steel Worker.....	108.10	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	5.41	
		For Apprentice, Deduct	-21.62	
01 22 20 00-0036	HR	Tile Layer.....	108.45	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	5.42	
		For Apprentice, Deduct	-21.69	
01 22 20 00-0037	HR	Terrazzo Worker.....	117.03	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	5.85	
		For Apprentice, Deduct	-23.41	
01 22 20 00-0038	HR	Truck Driver, Light.....	96.24	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	4.81	
		For Apprentice, Deduct	-19.25	
01 22 20 00-0039	HR	Truck Driver, Heavy.....	97.13	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	4.86	
		For Apprentice, Deduct	-19.43	
01 22 20 00-0040	HR	Welder.....	108.10	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	5.41	
		For Apprentice, Deduct	-21.62	
01 22 20 00-0041		Rates For Services (01 22 20)		
01 22 20 00-0042	HR	Watch/Guard Person, Unarmed.....	31.08	
01 22 20 00-0043	HR	Watch/Guard Person, Armed.....	39.97	
01 22 20 00-0044	HR	Senior Surveyor (Party Chief).....	128.23	
01 22 20 00-0045	HR	Surveyor (Instrument person).....	120.79	
01 22 20 00-0046	HR	Surveyor (Rod Person).....	116.11	
01 22 20 00-0047	HR	On-Site Certified Materials Testing Technician.....	85.12	
01 22 20 00-0048	HR	Certified Industrial Hygienist.....	114.75	
01 22 20 00-0049	MI	Mileage For Professional Services (Engineering, Surveying, Etcetera).....	0.67	
		Note: For use only when the Owner directs the contractor to use personnel whose base of operations is more than 100 miles from the site. Quantity shall be miles that exceed 100.		
01 22 20 00-0050	HR	Fire Watch Laborer.....	89.12	
		Note: Fire watchers shall be required whenever welding or cutting is performed in locations where other than a minor fire might develop, or any of the following conditions exist: (1) Appreciable combustible material, in building construction or contents, closer than 35 feet (10.7 m) to the point of operation. (2) Appreciable combustibles are more than 35 feet (10.7 m) away but are easily ignited by sparks. (3) Wall or floor openings within a 35-foot (10.7 m) radius expose combustible material in adjacent areas including concealed spaces in walls or floors. (4) Combustible materials are adjacent to the opposite side of metal partitions, walls, ceilings, or roofs and are likely to be ignited by conduction or radiation.		
01 22 20 00-0051		Rates For Project Management Services (01 22 20)		
01 22 20 00-0052	HR	Project Manager.....	160.00	
01 22 20 00-0053		Rates For Architectural And Engineering Services (01 22 20)		
		Note: For preparation of contract documents, structural and/or design drawings, special investigating requirements or services outside required architectural and engineering services.		
01 22 20 00-0054	HR	Principal Architect.....	243.20	
01 22 20 00-0055	HR	Senior Architect.....	179.20	
01 22 20 00-0056	HR	Architect.....	140.80	
01 22 20 00-0057	HR	Principal Engineer.....	209.92	
01 22 20 00-0058	HR	Senior Engineer.....	174.08	
01 22 20 00-0059	HR	Engineer.....	136.96	
01 22 20 00-0060	HR	Draft Person.....	71.68	
01 22 20 00-0061		Rates For Traffic Control (01 22 20)		
01 22 20 00-0062	DAY	Pilot Vehicle With Driver.....	1,098.14	
		Note: Includes radio, "Follow Me" sign, "Wait For Pilot Car" signs on barricades where required.		
01 22 20 00-0063	HR	Flagperson For Traffic Control.....	89.12	
01 22 20 00-0064		Mobilize Equipment (01 22 20)		
01 22 20 00-0065	HR	Escort Vehicle With Driver.....	99.30	
01 22 20 00-0066	HR	Transport Vehicle With Driver.....	132.55	
01 22 20 00-0067		Traffic Control (01 22 20)		
01 22 20 00-0068	DAY	Traffic Control System.....	1,940.55	
		Note: Includes 1 truck, 1 arrow board, 1 licensed traffic control person, traffic cones.		
01 22 20 00-0069	EA	Traffic Control Drawings.....	1,255.65	
		Note: Includes engineered stamped drawings as required by governing agency.		
01 22 23		Equipment Usage (01 22)		
		Note: Includes fuel costs unless otherwise stated. These tasks shall be used for owned, leased or rented equipment. Excludes mobilization unless otherwise stated. See CSI section 01 71 13 00-0000 for equipment delivery, pickup, mobilization and demobilization.		
01 22 23 00-0001		Aerial Equipment (01 22 23)		

01	General Requirements
01 20	Price and Payment Procedures
01 22	Unit Prices

MINOR	CSI	UOM	DESCRIPTION
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TOTAL DIRECT	DEMOLITION
UNIT COST	UNIT COST

01 22 23 00-0002	Man Lifts (01 22 23 00-0001) Note: Excludes operator, delivery, set-up, and removal.		
01 22 23 00-0003	Telescoping Boom Man Lifts With Platform (01 22 23 00-0002)		
01 22 23 00-0004	Engine Powered, Telescoping Boom Man Lifts With Platform (01 22 23 00-0003) Note: Diesel or dual fuel (gasoline or liquid propane gas). Two-wheel drive. For use on unpaved or paved surfaces.		
01 22 23 00-0005	DAY 40' Engine Powered, Telescoping Boom Man Lift With Platform	480.00	
	For Four-Wheel Drive, Add	108.00	
01 22 23 00-0006	WK 40' Engine Powered, Telescoping Boom Man Lift With Platform	1,207.75	
	For Four-Wheel Drive, Add	271.74	
01 22 23 00-0007	MO 40' Engine Powered, Telescoping Boom Man Lift With Platform	2,709.70	
	For Four-Wheel Drive, Add	609.68	
	For >6 Months (>26 Weeks) , Deduct	-108.39	
01 22 23 00-0008	DAY 60' Engine Powered, Telescoping Boom Man Lift With Platform	704.52	
	For Four-Wheel Drive, Add	158.52	
01 22 23 00-0009	WK 60' Engine Powered, Telescoping Boom Man Lift With Platform	1,680.01	
	For Four-Wheel Drive, Add	378.00	
01 22 23 00-0010	MO 60' Engine Powered, Telescoping Boom Man Lift With Platform	3,677.45	
	For Four-Wheel Drive, Add	827.43	
	For >6 Months (>26 Weeks) , Deduct	-147.10	
01 22 23 00-0011	DAY 80' Engine Powered, Telescoping Boom Man Lift With Platform	1,370.33	
	For Four-Wheel Drive, Add	308.32	
01 22 23 00-0012	WK 80' Engine Powered, Telescoping Boom Man Lift With Platform	3,321.32	
	For Four-Wheel Drive, Add	747.30	
01 22 23 00-0013	MO 80' Engine Powered, Telescoping Boom Man Lift With Platform	6,967.80	
	For Four-Wheel Drive, Add	1,567.76	
	For >6 Months (>26 Weeks) , Deduct	-278.71	
01 22 23 00-0014	DAY 110' Engine Powered, Telescoping Boom Man Lift With Platform	1,950.98	
	For Four-Wheel Drive, Add	438.97	
01 22 23 00-0015	WK 110' Engine Powered, Telescoping Boom Man Lift With Platform	4,697.85	
	For Four-Wheel Drive, Add	1,057.02	
01 22 23 00-0016	MO 110' Engine Powered, Telescoping Boom Man Lift With Platform	11,705.90	
	For Four-Wheel Drive, Add	2,633.83	
	For >6 Months (>26 Weeks) , Deduct	-468.24	
01 22 23 00-0017	DAY 120' Engine Powered, Telescoping Boom Man Lift With Platform	2,376.79	
	For Four-Wheel Drive, Add	534.78	
01 22 23 00-0018	WK 120' Engine Powered, Telescoping Boom Man Lift With Platform	6,061.99	
	For Four-Wheel Drive, Add	1,363.95	
01 22 23 00-0019	MO 120' Engine Powered, Telescoping Boom Man Lift With Platform	13,780.76	
	For Four-Wheel Drive, Add	3,100.67	
	For >6 Months (>26 Weeks) , Deduct	-551.23	
01 22 23 00-0020	Articulating (Up/Over) Boom Man Lifts With Platform (01 22 23 00-0002)		
01 22 23 00-0021	Engine Powered, Articulating (Up/Over) Boom Man Lifts With Platform (01 22 23 00-0020) Note: Diesel or dual fuel (gasoline or liquid propane gas). Four-wheel drive. For use on unpaved or paved surfaces.		
01 22 23 00-0022	DAY 34' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	431.94	
01 22 23 00-0023	WK 34' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	1,083.78	
01 22 23 00-0024	MO 34' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	2,607.36	
	For >6 Months (>26 Weeks) , Deduct	-104.29	
01 22 23 00-0025	DAY 45' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	549.74	
01 22 23 00-0026	WK 45' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	1,201.59	
01 22 23 00-0027	MO 45' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	2,982.76	
	For >6 Months (>26 Weeks) , Deduct	-119.31	
01 22 23 00-0028	DAY 60' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	706.82	
01 22 23 00-0029	WK 60' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	1,633.53	
01 22 23 00-0030	MO 60' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	3,651.88	
	For >6 Months (>26 Weeks) , Deduct	-146.08	
01 22 23 00-0031	DAY 80' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	1,233.00	
01 22 23 00-0032	WK 80' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	2,905.80	
01 22 23 00-0033	MO 80' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	7,066.58	
	For >6 Months (>26 Weeks) , Deduct	-282.66	
01 22 23 00-0034	DAY 125' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	2,395.32	
01 22 23 00-0035	WK 125' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	5,654.52	
01 22 23 00-0036	MO 125' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	13,822.16	
	For >6 Months (>26 Weeks) , Deduct	-552.89	
01 22 23 00-0037	Electric, Articulating (Up/Over) Boom Man Lifts With Platform (01 22 23 00-0020) Note: For use on paved surfaces.		
01 22 23 00-0038	DAY 30' Electric, Articulating (Up/Over) Boom Man Lift With Platform	431.94	
01 22 23 00-0039	WK 30' Electric, Articulating (Up/Over) Boom Man Lift With Platform	1,083.78	
01 22 23 00-0040	MO 30' Electric, Articulating (Up/Over) Boom Man Lift With Platform	2,607.36	
	For >6 Months (>26 Weeks) , Deduct	-104.29	
01 22 23 00-0041	DAY 35' Electric, Articulating (Up/Over) Boom Man Lift With Platform	431.94	
01 22 23 00-0042	WK 35' Electric, Articulating (Up/Over) Boom Man Lift With Platform	1,083.78	
01 22 23 00-0043	MO 35' Electric, Articulating (Up/Over) Boom Man Lift With Platform	2,607.36	
	For >6 Months (>26 Weeks) , Deduct	-104.29	
01 22 23 00-0044	DAY 40' Electric, Articulating (Up/Over) Boom Man Lift With Platform	534.04	
01 22 23 00-0045	WK 40' Electric, Articulating (Up/Over) Boom Man Lift With Platform	1,154.46	
01 22 23 00-0046	MO 40' Electric, Articulating (Up/Over) Boom Man Lift With Platform	2,866.53	
	For >6 Months (>26 Weeks) , Deduct	-114.66	
01 22 23 00-0047	DAY 45' Electric, Articulating (Up/Over) Boom Man Lift With Platform	534.04	
01 22 23 00-0048	WK 45' Electric, Articulating (Up/Over) Boom Man Lift With Platform	1,154.46	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-0049	MO 45' Electric, Articulating (Up/Over) Boom Man Lift With Platform	2,866.53	
	<i>For >6 Months (>26 Weeks) , Deduct</i>	-114.66	
01 22 23 00-0050	Platform Lifts (01 22 23 00-0001)		
	Note: Excludes operator, delivery, set-up, and removal.		
01 22 23 00-0051	Electric, Scissor Platform Lifts (01 22 23 00-0050)		
	Note: For use on paved surfaces.		
01 22 23 00-0052	DAY 17' Electric, Scissor Platform Lift	181.04	
01 22 23 00-0053	WK 17' Electric, Scissor Platform Lift	362.08	
01 22 23 00-0054	MO 17' Electric, Scissor Platform Lift	740.61	
	<i>For >6 Months (>26 Weeks) , Deduct</i>	-29.62	
01 22 23 00-0055	DAY 20' Electric, Scissor Platform Lift	197.50	
01 22 23 00-0056	WK 20' Electric, Scissor Platform Lift	394.99	
01 22 23 00-0057	MO 20' Electric, Scissor Platform Lift	789.98	
	<i>For >6 Months (>26 Weeks) , Deduct</i>	-31.60	
01 22 23 00-0058	DAY 25' Electric, Scissor Platform Lift	255.10	
01 22 23 00-0059	WK 25' Electric, Scissor Platform Lift	510.20	
01 22 23 00-0060	MO 25' Electric, Scissor Platform Lift	1,094.46	
	<i>For >6 Months (>26 Weeks) , Deduct</i>	-43.78	
01 22 23 00-0061	DAY 30' Electric, Scissor Platform Lift	329.16	
01 22 23 00-0062	WK 30' Electric, Scissor Platform Lift	650.09	
01 22 23 00-0063	MO 30' Electric, Scissor Platform Lift	1,440.08	
	<i>For >6 Months (>26 Weeks) , Deduct</i>	-57.60	
01 22 23 00-0064	DAY 33' Electric, Scissor Platform Lift	353.85	
01 22 23 00-0065	WK 33' Electric, Scissor Platform Lift	691.24	
01 22 23 00-0066	MO 33' Electric, Scissor Platform Lift	1,563.51	
	<i>For >6 Months (>26 Weeks) , Deduct</i>	-62.54	
01 22 23 00-0067	DAY 40' Electric, Scissor Platform Lift	460.82	
01 22 23 00-0068	WK 40' Electric, Scissor Platform Lift	1,143.83	
01 22 23 00-0069	MO 40' Electric, Scissor Platform Lift	3,184.62	
	<i>For >6 Months (>26 Weeks) , Deduct</i>	-127.38	
01 22 23 00-0070	Engine Powered, Scissor Platform Lifts (01 22 23 00-0050)		
	Note: Diesel or dual fuel (gasoline or liquid propane gas). Two-wheel drive. For use on unpaved or paved surfaces.		
01 22 23 00-0071	DAY 25' Engine Powered, Scissor Platform Lift	448.27	
	<i>For Four-Wheel Drive, Add</i>	89.65	
01 22 23 00-0072	WK 25' Engine Powered, Scissor Platform Lift	876.61	
	<i>For Four-Wheel Drive, Add</i>	175.32	
01 22 23 00-0073	MO 25' Engine Powered, Scissor Platform Lift	2,141.72	
	<i>For Four-Wheel Drive, Add</i>	428.34	
	<i>For >6 Months (>26 Weeks) , Deduct</i>	-85.67	
01 22 23 00-0074	DAY 33' Engine Powered, Scissor Platform Lift	458.23	
	<i>For Four-Wheel Drive, Add</i>	91.65	
01 22 23 00-0075	WK 33' Engine Powered, Scissor Platform Lift	1,045.96	
	<i>For Four-Wheel Drive, Add</i>	209.19	
01 22 23 00-0076	MO 33' Engine Powered, Scissor Platform Lift	2,291.14	
	<i>For Four-Wheel Drive, Add</i>	458.23	
	<i>For >6 Months (>26 Weeks) , Deduct</i>	-91.65	
01 22 23 00-0077	DAY 40' Engine Powered, Scissor Platform Lift	508.04	
	<i>For Four-Wheel Drive, Add</i>	101.61	
01 22 23 00-0078	WK 40' Engine Powered, Scissor Platform Lift	1,165.50	
	<i>For Four-Wheel Drive, Add</i>	233.10	
01 22 23 00-0079	MO 40' Engine Powered, Scissor Platform Lift	2,589.99	
	<i>For Four-Wheel Drive, Add</i>	518.00	
	<i>For >6 Months (>26 Weeks) , Deduct</i>	-103.60	
01 22 23 00-0080	DAY 43' Engine Powered, Scissor Platform Lift	537.92	
	<i>For Four-Wheel Drive, Add</i>	107.58	
01 22 23 00-0081	WK 43' Engine Powered, Scissor Platform Lift	1,255.15	
	<i>For Four-Wheel Drive, Add</i>	251.03	
01 22 23 00-0082	MO 43' Engine Powered, Scissor Platform Lift	3,088.06	
	<i>For Four-Wheel Drive, Add</i>	617.61	
	<i>For >6 Months (>26 Weeks) , Deduct</i>	-123.52	
01 22 23 00-0083	DAY 50' Engine Powered, Scissor Platform Lift	1,006.11	
	<i>For Four-Wheel Drive, Add</i>	201.22	
01 22 23 00-0084	WK 50' Engine Powered, Scissor Platform Lift	2,211.45	
	<i>For Four-Wheel Drive, Add</i>	442.29	
01 22 23 00-0085	MO 50' Engine Powered, Scissor Platform Lift	5,438.98	
	<i>For Four-Wheel Drive, Add</i>	1,087.80	
	<i>For >6 Months (>26 Weeks) , Deduct</i>	-217.56	
01 22 23 00-0086	Personnel Lifts (01 22 23 00-0001)		
	Note: Includes delivery to job site and pick-up when complete. Excludes operator. For use on paved surfaces.		
01 22 23 00-0087	DAY 24', Push-Type, Electric Single Man Personnel Lift	128.00	
01 22 23 00-0088	WK 24', Push-Type, Electric Single Man Personnel Lift	362.66	
01 22 23 00-0089	MO 24', Push-Type, Electric Single Man Personnel Lift	732.43	
	<i>For >6 Months (>26 Weeks) , Deduct</i>	-29.30	
01 22 23 00-0090	DAY 30', Push-Type, Electric Single Man Personnel Lift	177.78	
01 22 23 00-0091	WK 30', Push-Type, Electric Single Man Personnel Lift	376.88	
01 22 23 00-0092	MO 30', Push-Type, Electric Single Man Personnel Lift	1,279.98	
	<i>For >6 Months (>26 Weeks) , Deduct</i>	-51.20	
01 22 23 00-0093	DAY 36', Push-Type, Electric Single Man Personnel Lift	298.66	
01 22 23 00-0094	WK 36', Push-Type, Electric Single Man Personnel Lift	725.32	

01	General Requirements
01 20	Price and Payment Procedures
01 22	Unit Prices

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-0095	MO	36', Push-Type, Electric Single Man Personnel Lift	2,119.08	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-84.76	
01 22 23 00-0096	DAY	40', Push-Type, Electric Single Man Personnel Lift	320.00	
01 22 23 00-0097	WK	40', Push-Type, Electric Single Man Personnel Lift	796.43	
01 22 23 00-0098	MO	40', Push-Type, Electric Single Man Personnel Lift	2,396.41	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-95.86	
01 22 23 00-0099	DAY	15', Self-Propelled, Electric Single Man Personnel Lift	170.66	
01 22 23 00-0100	WK	15', Self-Propelled, Electric Single Man Personnel Lift	341.33	
01 22 23 00-0101	MO	15', Self-Propelled, Electric Single Man Personnel Lift	682.66	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-27.31	
01 22 23 00-0102	DAY	20', Self-Propelled, Electric Single Man Personnel Lift	170.66	
01 22 23 00-0103	WK	20', Self-Propelled, Electric Single Man Personnel Lift	341.33	
01 22 23 00-0104	MO	20', Self-Propelled, Electric Single Man Personnel Lift	709.68	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-28.39	

01 22 23 00-0105 **Bucket Trucks** (01 22 23 00-0001)

Note: Includes full-time operator, delivery, and removal.

01 22 23 00-0106	DAY	29' To 33' Bucket Truck With Full-Time Operator	1,476.02	
		<i>For Equipment Without Operator, Deduct</i>	-777.08	
01 22 23 00-0107	WK	29' To 33' Bucket Truck With Full-Time Operator	5,982.21	
		<i>For Equipment Without Operator, Deduct</i>	-3,885.39	
01 22 23 00-0108	MO	29' To 33' Bucket Truck With Full-Time Operator	22,174.04	
		<i>For Equipment Without Operator, Deduct</i>	-16,836.68	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-213.49	
01 22 23 00-0109	DAY	38' To 41' Bucket Truck With Full-Time Operator	1,564.98	
		<i>For Equipment Without Operator, Deduct</i>	-777.08	
01 22 23 00-0110	WK	38' To 41' Bucket Truck With Full-Time Operator	6,268.14	
		<i>For Equipment Without Operator, Deduct</i>	-3,885.39	
01 22 23 00-0111	MO	38' To 41' Bucket Truck With Full-Time Operator	22,936.52	
		<i>For Equipment Without Operator, Deduct</i>	-16,836.68	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-243.99	
01 22 23 00-0112	DAY	45' To 48' Bucket Truck With Full-Time Operator	1,793.72	
		<i>For Equipment Without Operator, Deduct</i>	-777.08	
01 22 23 00-0113	WK	45' To 48' Bucket Truck With Full-Time Operator	6,681.15	
		<i>For Equipment Without Operator, Deduct</i>	-3,885.39	
01 22 23 00-0114	MO	45' To 48' Bucket Truck With Full-Time Operator	23,826.08	
		<i>For Equipment Without Operator, Deduct</i>	-16,836.68	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-279.58	
01 22 23 00-0115	DAY	62' Bucket Truck With Full-Time Operator	2,302.04	
		<i>For Equipment Without Operator, Deduct</i>	-777.08	
01 22 23 00-0116	WK	62' Bucket Truck With Full-Time Operator	8,333.19	
		<i>For Equipment Without Operator, Deduct</i>	-3,885.39	
01 22 23 00-0117	MO	62' Bucket Truck With Full-Time Operator	28,273.88	
		<i>For Equipment Without Operator, Deduct</i>	-16,836.68	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-457.49	
01 22 23 00-0118	DAY	85' Bucket Truck With Full-Time Operator	2,556.20	
		<i>For Equipment Without Operator, Deduct</i>	-777.08	
01 22 23 00-0119	WK	85' Bucket Truck With Full-Time Operator	9,222.75	
		<i>For Equipment Without Operator, Deduct</i>	-3,885.39	
01 22 23 00-0120	MO	85' Bucket Truck With Full-Time Operator	31,450.88	
		<i>For Equipment Without Operator, Deduct</i>	-16,836.68	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-584.57	
01 22 23 00-0121	Day	105' Bucket Truck With Full-Time Operator	2,683.28	
		<i>For Equipment Without Operator, Deduct</i>	-777.08	
01 22 23 00-0122	WK	105' Bucket Truck With Full-Time Operator	9,603.99	
		<i>For Equipment Without Operator, Deduct</i>	-3,885.39	
01 22 23 00-0123	MO	105' Bucket Truck With Full-Time Operator	31,755.87	
		<i>For Equipment Without Operator, Deduct</i>	-16,836.68	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-596.77	

01 22 23 00-0124 **Air Equipment** (01 22 23)

01 22 23 00-0125 **Air Compressors** (01 22 23 00-0124)

Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-0126	DAY	100 CFM Diesel Powered Portable Air Compressor	165.44	
01 22 23 00-0127	WK	100 CFM Diesel Powered Portable Air Compressor	496.30	
01 22 23 00-0128	MO	100 CFM Diesel Powered Portable Air Compressor	1,378.62	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-55.14	
01 22 23 00-0129	DAY	130 CFM Diesel Powered Portable Air Compressor	198.52	
01 22 23 00-0130	WK	130 CFM Diesel Powered Portable Air Compressor	584.54	
01 22 23 00-0131	MO	130 CFM Diesel Powered Portable Air Compressor	1,654.35	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-66.17	
01 22 23 00-0132	DAY	185 CFM Diesel Powered Portable Air Compressor	264.70	
01 22 23 00-0133	WK	185 CFM Diesel Powered Portable Air Compressor	595.57	
01 22 23 00-0134	MO	185 CFM Diesel Powered Portable Air Compressor	1,312.45	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-52.50	
01 22 23 00-0135	DAY	375 CFM Diesel Powered Portable Air Compressor	374.99	
01 22 23 00-0136	WK	375 CFM Diesel Powered Portable Air Compressor	948.49	
01 22 23 00-0137	MO	375 CFM Diesel Powered Portable Air Compressor	2,260.94	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-90.44	
01 22 23 00-0138	DAY	600 CFM Diesel Powered Portable Air Compressor	833.79	
01 22 23 00-0139	WK	600 CFM Diesel Powered Portable Air Compressor	2,007.28	
01 22 23 00-0140	MO	600 CFM Diesel Powered Portable Air Compressor	5,002.75	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-200.11	
01 22 23 00-0141	DAY	750 CFM Diesel Powered Portable Air Compressor	1,003.64	
01 22 23 00-0142	WK	750 CFM Diesel Powered Portable Air Compressor	2,470.50	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0143	MO	750 CFM Diesel Powered Portable Air Compressor..... <i>For >6 Months (>26 Weeks) , Deduct</i>	6,065.95 -242.64	
01 22 23 00-0144	DAY	825 CFM Diesel Powered Portable Air Compressor.....	1,003.64	
01 22 23 00-0145	WK	825 CFM Diesel Powered Portable Air Compressor.....	2,470.50	
01 22 23 00-0146	MO	825 CFM Diesel Powered Portable Air Compressor..... <i>For >6 Months (>26 Weeks) , Deduct</i>	6,065.95 -242.64	
01 22 23 00-0147	DAY	1,300 CFM Diesel Powered Portable Air Compressor.....	1,169.07	
01 22 23 00-0148	WK	1,300 CFM Diesel Powered Portable Air Compressor.....	2,620.49	
01 22 23 00-0149	MO	1,300 CFM Diesel Powered Portable Air Compressor..... <i>For >6 Months (>26 Weeks) , Deduct</i>	6,987.97 -279.52	
01 22 23 00-0150	DAY	1,600 CFM Diesel Powered Portable Air Compressor.....	1,455.83	
01 22 23 00-0151	WK	1,600 CFM Diesel Powered Portable Air Compressor.....	3,275.61	
01 22 23 00-0152	MO	1,600 CFM Diesel Powered Portable Air Compressor..... <i>For >6 Months (>26 Weeks) , Deduct</i>	8,734.97 -349.40	
01 22 23 00-0153 Portable Negative Air Machines (01 22 23 00-0124)				
Note: A Negative Air Machine is used in a sealed containment area to filter air and exhaust the filtered air through ducting to a location outside the sealed containment area. Includes delivery to job site and pick-up when complete. Excludes all filters and duct.				
01 22 23 00-0154	DAY	Up To 2,000 CFM, Portable Negative Air Machine.....	109.47	
01 22 23 00-0155	WK	Up To 2,000 CFM, Portable Negative Air Machine.....	449.63	
01 22 23 00-0156	MO	Up To 2,000 CFM, Portable Negative Air Machine..... <i>For >6 Months (>26 Weeks) , Deduct</i>	1,358.66 -54.35	
01 22 23 00-0157	EA	First Stage Pre-Filter For Portable Negative Air Machines.....	13.53	
01 22 23 00-0158	EA	Second Stage Pre-Filter For Portable Negative Air Machines.....	27.99	
01 22 23 00-0159	EA	High Efficiency Particulate Air (HEPA) Filter, 99.99% Efficient At 0.3 Micron For Portable Negative Air Machines.....	134.49	
01 22 23 00-0160	LF	Flexible Exhaust Duct For Portable Negative Air Machines.....	2.45	
01 22 23 00-0161 Portable Air Scrubbers (01 22 23 00-0124)				
Note: A Portable Air Scrubber filters and recirculates the filtered air into the same space and does not use ducting to exhaust the filtered air to a different location. Includes delivery to job site and pick-up when complete. Excludes all filters.				
01 22 23 00-0162	DAY	Up To 1,000 CFM, Portable Air Scrubber.....	63.14	
01 22 23 00-0163	WK	Up To 1,000 CFM, Portable Air Scrubber.....	262.44	
01 22 23 00-0164	MO	Up To 1,000 CFM, Portable Air Scrubber..... <i>For >6 Months (>26 Weeks) , Deduct</i>	726.47 -29.06	
01 22 23 00-0165	DAY	>1,000 to 2,000 CFM, Portable Air Scrubber.....	79.87	
01 22 23 00-0166	WK	>1,000 to 2,000 CFM, Portable Air Scrubber.....	330.90	
01 22 23 00-0167	MO	>1,000 to 2,000 CFM, Portable Air Scrubber..... <i>For >6 Months (>26 Weeks) , Deduct</i>	969.89 -38.80	
01 22 23 00-0168	DAY	>2,000 To 5,000 CFM, Portable Air Scrubber.....	102.69	
01 22 23 00-0169	WK	>2,000 To 5,000 CFM, Portable Air Scrubber.....	437.40	
01 22 23 00-0170	MO	>2,000 To 5,000 CFM, Portable Air Scrubber..... <i>For >6 Months (>26 Weeks) , Deduct</i>	1,224.73 -48.99	
01 22 23 00-0171	EA	First Stage Pre-Filter For Portable Air Scrubbers.....	18.10	
01 22 23 00-0172	EA	Second Stage Pre-Filter For Portable Air Scrubbers.....	24.18	
01 22 23 00-0173	EA	High Efficiency Particulate Air (HEPA) Filter, 99.99% Efficient At 0.3 Micron For Portable Air Scrubbers.....	225.77	
01 22 23 00-0174 Compaction And Paving Equipment (01 22 23)				
01 22 23 00-0175 Pavers And Rollers (01 22 23 00-0174)				
Note: Includes full-time operator. Excludes delivery, set-up, and removal.				
01 22 23 00-0176 Pavers (01 22 23 00-0175)				
01 22 23 00-0177	DAY	10' Wide Paving Machine With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	3,345.20 -1,004.62	
01 22 23 00-0178	WK	10' Wide Paving Machine With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	14,385.39 -5,023.08	
01 22 23 00-0179	MO	10' Wide Paving Machine With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For >6 Months (>26 Weeks) , Deduct</i>	55,204.10 -21,766.70 -1,337.50	
01 22 23 00-0180 Ride-On Self-Propelled, Rubber Tire Rollers (01 22 23 00-0175)				
01 22 23 00-0181	DAY	10 To 12 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	1,360.87 -1,004.62	
01 22 23 00-0182	WK	10 To 12 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	6,100.58 -5,023.08	
01 22 23 00-0183	MO	10 To 12 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For >6 Months (>26 Weeks) , Deduct</i>	24,691.70 -21,766.70 -117.00	
01 22 23 00-0184	DAY	15 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	1,498.37 -1,004.62	
01 22 23 00-0185	WK	15 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	7,123.08 -5,023.08	
01 22 23 00-0186	MO	15 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For >6 Months (>26 Weeks) , Deduct</i>	26,235.45 -21,766.70 -178.75	
01 22 23 00-0187	DAY	30 Ton, Ride-On Self Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	1,504.62 -1,004.62	
01 22 23 00-0188	WK	30 Ton, Ride-On Self Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	6,716.83 -5,023.08	
01 22 23 00-0189	MO	30 Ton, Ride-On Self Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For >6 Months (>26 Weeks) , Deduct</i>	26,535.45 -21,766.70 -190.75	

01	General Requirements
01 20	Price and Payment Procedures
01 22	Unit Prices

MINOR	CSI	UOM	DESCRIPTION
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TOTAL DIRECT	DEMOLITION
UNIT COST	UNIT COST

01 22 23 00-0190 Ride-On Self-Propelled, Padfoot Rollers (01 22 23 00-0175)			
01 22 23 00-0191	DAY	5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,417.12
		<i>For Equipment Without Operator, Deduct</i>	-1,004.62
01 22 23 00-0192	WK	5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	6,166.83
		<i>For Equipment Without Operator, Deduct</i>	-5,023.08
01 22 23 00-0193	MO	5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	25,072.95
		<i>For Equipment Without Operator, Deduct</i>	-21,766.70
		<i>For >6 Months (>26 Weeks), Deduct</i>	-132.25
01 22 23 00-0194	DAY	8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,679.62
		<i>For Equipment Without Operator, Deduct</i>	-1,004.62
01 22 23 00-0195	WK	8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	6,698.08
		<i>For Equipment Without Operator, Deduct</i>	-5,023.08
01 22 23 00-0196	MO	8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	26,747.95
		<i>For Equipment Without Operator, Deduct</i>	-21,766.70
		<i>For >6 Months (>26 Weeks), Deduct</i>	-199.25
01 22 23 00-0197	DAY	10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,742.12
		<i>For Equipment Without Operator, Deduct</i>	-1,004.62
01 22 23 00-0198	WK	10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	7,091.83
		<i>For Equipment Without Operator, Deduct</i>	-5,023.08
01 22 23 00-0199	MO	10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	27,847.95
		<i>For Equipment Without Operator, Deduct</i>	-21,766.70
		<i>For >6 Months (>26 Weeks), Deduct</i>	-243.25
01 22 23 00-0200 Towed, Padfoot Rollers (01 22 23 00-0175)			
01 22 23 00-0201	DAY	48" Wide, 40" Diameter, Towed Padfoot Roller	118.75
01 22 23 00-0202	WK	48" Wide, 40" Diameter, Towed Padfoot Roller	343.75
01 22 23 00-0203	MO	48" Wide, 40" Diameter, Towed Padfoot Roller	1,012.50
		<i>For >6 Months (>26 Weeks), Deduct</i>	-40.50
01 22 23 00-0204	DAY	60" Wide, 60" Diameter, Towed Padfoot Roller	150.00
01 22 23 00-0205	WK	60" Wide, 60" Diameter, Towed Padfoot Roller	418.75
01 22 23 00-0206	MO	60" Wide, 60" Diameter, Towed Padfoot Roller	1,781.25
		<i>For >6 Months (>26 Weeks), Deduct</i>	-71.25
01 22 23 00-0207 Static Rollers (01 22 23 00-0175)			
01 22 23 00-0208	DAY	5 Ton, 2 Drum Articulated Roller With Full-Time Operator	1,448.37
		<i>For Equipment Without Operator, Deduct</i>	-1,004.62
01 22 23 00-0209	WK	5 Ton, 2 Drum Articulated Roller With Full-Time Operator	6,435.58
		<i>For Equipment Without Operator, Deduct</i>	-5,023.08
01 22 23 00-0210	MO	5 Ton, 2 Drum Articulated Roller With Full-Time Operator	25,954.20
		<i>For Equipment Without Operator, Deduct</i>	-21,766.70
		<i>For >6 Months (>26 Weeks), Deduct</i>	-167.50
01 22 23 00-0211	DAY	8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator	1,585.87
		<i>For Equipment Without Operator, Deduct</i>	-1,004.62
01 22 23 00-0212	WK	8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator	6,810.58
		<i>For Equipment Without Operator, Deduct</i>	-5,023.08
01 22 23 00-0213	MO	8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator	26,991.70
		<i>For Equipment Without Operator, Deduct</i>	-21,766.70
		<i>For >6 Months (>26 Weeks), Deduct</i>	-209.00
01 22 23 00-0214 Ride-On Self-Propelled, Smooth Drum Vibratory Rollers (01 22 23 00-0175)			
01 22 23 00-0215	DAY	1 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,248.37
		<i>For Equipment Without Operator, Deduct</i>	-1,004.62
01 22 23 00-0216	WK	1 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	5,735.58
		<i>For Equipment Without Operator, Deduct</i>	-5,023.08
01 22 23 00-0217	MO	1 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	23,641.70
		<i>For Equipment Without Operator, Deduct</i>	-21,766.70
		<i>For >6 Months (>26 Weeks), Deduct</i>	-75.00
01 22 23 00-0218	DAY	3 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,342.12
		<i>For Equipment Without Operator, Deduct</i>	-1,004.62
01 22 23 00-0219	WK	3 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	6,016.83
		<i>For Equipment Without Operator, Deduct</i>	-5,023.08
01 22 23 00-0220	MO	3 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	24,391.70
		<i>For Equipment Without Operator, Deduct</i>	-21,766.70
		<i>For >6 Months (>26 Weeks), Deduct</i>	-105.00
01 22 23 00-0221	DAY	5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,404.62
		<i>For Equipment Without Operator, Deduct</i>	-1,004.62
01 22 23 00-0222	WK	5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	6,204.33
		<i>For Equipment Without Operator, Deduct</i>	-5,023.08
01 22 23 00-0223	MO	5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	24,891.70
		<i>For Equipment Without Operator, Deduct</i>	-21,766.70
		<i>For >6 Months (>26 Weeks), Deduct</i>	-125.00
01 22 23 00-0224	DAY	8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,485.87
		<i>For Equipment Without Operator, Deduct</i>	-1,004.62
01 22 23 00-0225	WK	8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	6,441.83
		<i>For Equipment Without Operator, Deduct</i>	-5,023.08
01 22 23 00-0226	MO	8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	25,510.45
		<i>For Equipment Without Operator, Deduct</i>	-21,766.70
		<i>For >6 Months (>26 Weeks), Deduct</i>	-149.75
01 22 23 00-0227	DAY	11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,648.37
		<i>For Equipment Without Operator, Deduct</i>	-1,004.62
01 22 23 00-0228	WK	11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	6,916.83
		<i>For Equipment Without Operator, Deduct</i>	-5,023.08

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-0229	MO 11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	26,766.70
	<i>For Equipment Without Operator, Deduct</i>	-21,766.70
	<i>For >6 Months (>26 Weeks) , Deduct</i>	-200.00

01 22 23 00-0230 Steel Roadway Plates (01 22 23 00-0174)

Note: 3 day minimum. Excludes delivery to job site and pick-up when complete. See CSI section 01 22 23 00-0231 for for placement (set-up) from truck and removal from ground (load on truck), 01 71 13 00-0001 for material delivery on truck.

01 22 23 00-0231	EA Placement And Removal Of Steel Roadway Plates	57.87
01 22 23 00-0232	DAY 1" x 4' x 8' Steel Plate	44.12
01 22 23 00-0233	WK 1" x 4' x 8' Steel Plate	104.18
01 22 23 00-0234	MO 1" x 4' x 8' Steel Plate	137.10
	<i>For >6 Months (>26 Weeks) , Deduct</i>	-5.48
01 22 23 00-0235	DAY 1" x 4' x 10' Steel Plate	58.83
01 22 23 00-0236	WK 1" x 4' x 10' Steel Plate	132.36
01 22 23 00-0237	MO 1" x 4' x 10' Steel Plate	161.78
	<i>For >6 Months (>26 Weeks) , Deduct</i>	-6.47
01 22 23 00-0238	DAY 1" x 5' x 10' Steel Plate	61.28
01 22 23 00-0239	WK 1" x 5' x 10' Steel Plate	138.49
01 22 23 00-0240	MO 1" x 5' x 10' Steel Plate	367.68
	<i>For >6 Months (>26 Weeks) , Deduct</i>	-14.71
01 22 23 00-0241	DAY 1" x 6' x 8' Steel Plate	39.22
01 22 23 00-0242	WK 1" x 6' x 8' Steel Plate	88.24
01 22 23 00-0243	MO 1" x 6' x 8' Steel Plate	235.32
	<i>For >6 Months (>26 Weeks) , Deduct</i>	-9.41
01 22 23 00-0244	DAY 1" x 6' x 10' Steel Plate	73.54
01 22 23 00-0245	WK 1" x 6' x 10' Steel Plate	96.82
01 22 23 00-0246	MO 1" x 6' x 10' Steel Plate	258.60
	<i>For >6 Months (>26 Weeks) , Deduct</i>	-10.34
01 22 23 00-0247	DAY 1" x 6' x 12' Steel Plate	102.95
01 22 23 00-0248	WK 1" x 6' x 12' Steel Plate	131.75
01 22 23 00-0249	MO 1" x 6' x 12' Steel Plate	356.65
	<i>For >6 Months (>26 Weeks) , Deduct</i>	-14.27
01 22 23 00-0250	DAY 1" x 8' x 10' Steel Plate	64.96
01 22 23 00-0251	WK 1" x 8' x 10' Steel Plate	145.85
01 22 23 00-0252	MO 1" x 8' x 10' Steel Plate	388.52
	<i>For >6 Months (>26 Weeks) , Deduct</i>	-15.54
01 22 23 00-0253	DAY 1" x 8' x 12' Steel Plate	117.66
01 22 23 00-0254	WK 1" x 8' x 12' Steel Plate	145.85
01 22 23 00-0255	MO 1" x 8' x 12' Steel Plate	705.95
	<i>For >6 Months (>26 Weeks) , Deduct</i>	-28.24
01 22 23 00-0256	DAY 1" x 8' x 16' Steel Plate	156.88
01 22 23 00-0257	WK 1" x 8' x 16' Steel Plate	352.97
01 22 23 00-0258	MO 1" x 8' x 16' Steel Plate	941.26
	<i>For >6 Months (>26 Weeks) , Deduct</i>	-37.65
01 22 23 00-0259	DAY 1-1/4" x 8' x 10' Steel Plate	77.95
01 22 23 00-0260	WK 1-1/4" x 8' x 10' Steel Plate	175.02
01 22 23 00-0261	MO 1-1/4" x 8' x 10' Steel Plate	466.22
	<i>For >6 Months (>26 Weeks) , Deduct</i>	-18.65
01 22 23 00-0262	DAY 1-1/2" x 8' x 15' Steel Plate	180.41
01 22 23 00-0263	WK 1-1/2" x 8' x 15' Steel Plate	405.92
01 22 23 00-0264	MO 1-1/2" x 8' x 15' Steel Plate	1,082.45
	<i>For >6 Months (>26 Weeks) , Deduct</i>	-43.30
01 22 23 00-0265	LF Cold Mix For Temporary Ramp Base, 6" At Edge Of Trench Plate	2.56
01 22 23 00-0266	EA Removal And Resetting Of Steel Roadway Plate	32.14

1.10

01 22 23 00-0267 Street Sweepers (01 22 23 00-0174)

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0268	DAY 8' Road Broom, Self Propelled Street Sweeper With Full-Time Operator	1,154.49
	<i>For Equipment Without Operator, Deduct</i>	-958.30
01 22 23 00-0269	WK 8' Road Broom, Self Propelled Street Sweeper With Full-Time Operator	5,568.95
	<i>For Equipment Without Operator, Deduct</i>	-4,791.50
01 22 23 00-0270	MO 8' Road Broom, Self Propelled Street Sweeper With Full-Time Operator	23,533.06
	<i>For Equipment Without Operator, Deduct</i>	-20,763.19
	<i>For >6 Months (>26 Weeks) , Deduct</i>	-110.79
01 22 23 00-0271	DAY Self-Propelled Street Sweeper With Hopper And Full-Time Operator	1,952.65
	Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.	
	<i>For Equipment Without Operator, Deduct</i>	-958.30
01 22 23 00-0272	WK Self-Propelled Street Sweeper With Hopper And Full-Time Operator	8,774.39
	Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.	
	<i>For Equipment Without Operator, Deduct</i>	-4,791.50
01 22 23 00-0273	MO Self-Propelled Street Sweeper With Hopper And Full-Time Operator	34,977.15
	Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.	
	<i>For Equipment Without Operator, Deduct</i>	-20,763.19
	<i>For >6 Months (>26 Weeks) , Deduct</i>	-568.56

01 22 23 00-0274 Earthmoving Equipment (01 22 23)

01 22 23 00-0275 Skid-Steer Loaders (01 22 23 00-0274)

Note: Includes full-time operator and combination bucket and dozer blade attachments. Add extra attachments where necessary. Excludes delivery, set-up, and removal.

01 22 23 00-0276	DAY 700 Lb. Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator	1,156.14
	<i>For Equipment Without Operator, Deduct</i>	-958.30
01 22 23 00-0277	WK 700 Lb. Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator	5,310.53
	<i>For Equipment Without Operator, Deduct</i>	-4,791.50

01	General Requirements
01 20	Price and Payment Procedures
01 22	Unit Prices

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-0278	MO	700 Lb. Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator.....	22,013.17	
		<i>For Equipment Without Operator, Deduct</i>	-20,763.19	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-50.00	
01 22 23 00-0279	DAY	1,500 To 1,700 Lb. Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator.....	1,208.30	
		<i>For Equipment Without Operator, Deduct</i>	-958.30	
01 22 23 00-0280	WK	1,500 To 1,700 Lb. Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator.....	5,404.90	
		<i>For Equipment Without Operator, Deduct</i>	-4,791.50	
01 22 23 00-0281	MO	1,500 To 1,700 Lb. Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator.....	22,220.12	
		<i>For Equipment Without Operator, Deduct</i>	-20,763.19	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-58.28	
01 22 23 00-0282	DAY	2,000 To 2,400 Lb. Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator.....	1,223.20	
		<i>For Equipment Without Operator, Deduct</i>	-958.30	
01 22 23 00-0283	WK	2,000 To 2,400 Lb. Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator.....	5,540.66	
		<i>For Equipment Without Operator, Deduct</i>	-4,791.50	
01 22 23 00-0284	MO	2,000 To 2,400 Lb. Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator.....	22,580.21	
		<i>For Equipment Without Operator, Deduct</i>	-20,763.19	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-72.68	
01 22 23 00-0285	DAY	2,500 To 2,700 Lb. Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator.....	1,281.14	
		<i>For Equipment Without Operator, Deduct</i>	-958.30	
01 22 23 00-0286	WK	2,500 To 2,700 Lb. Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator.....	5,731.05	
		<i>For Equipment Without Operator, Deduct</i>	-4,791.50	
01 22 23 00-0287	MO	2,500 To 2,700 Lb. Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator.....	23,209.34	
		<i>For Equipment Without Operator, Deduct</i>	-20,763.19	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-97.85	
01 22 23 00-0288	DAY	3,200 To 3,500 Lb. Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator.....	1,380.48	
		<i>For Equipment Without Operator, Deduct</i>	-958.30	
01 22 23 00-0289	WK	3,200 To 3,500 Lb. Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator.....	6,107.70	
		<i>For Equipment Without Operator, Deduct</i>	-4,791.50	
01 22 23 00-0290	MO	3,200 To 3,500 Lb. Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator.....	24,136.47	
		<i>For Equipment Without Operator, Deduct</i>	-20,763.19	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-134.93	
01 22 23 00-0291	DAY	Hydraulic Hammer Attachment For Skid-Steer Loaders	165.56	
01 22 23 00-0292	WK	Hydraulic Hammer Attachment For Skid-Steer Loaders	550.49	
01 22 23 00-0293	MO	Hydraulic Hammer Attachment For Skid-Steer Loaders	1,465.21	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-58.61	
01 22 23 00-0294	DAY	Forklift Attachment For Skid-Steer Loaders	35.60	
01 22 23 00-0295	WK	Forklift Attachment For Skid-Steer Loaders	95.20	
01 22 23 00-0296	MO	Forklift Attachment For Skid-Steer Loaders	269.04	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-10.76	
01 22 23 00-0297	DAY	Backhoe Attachment For Skid-Steer Loaders	78.64	
01 22 23 00-0298	WK	Backhoe Attachment For Skid-Steer Loaders	188.74	
01 22 23 00-0299	MO	Backhoe Attachment For Skid-Steer Loaders	469.36	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-18.77	
01 22 23 00-0300	DAY	Broom Attachment For Skid-Steer Loaders	77.81	
01 22 23 00-0301	WK	Broom Attachment For Skid-Steer Loaders	211.09	
01 22 23 00-0302	MO	Broom Attachment For Skid-Steer Loaders	558.76	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-22.35	
01 22 23 00-0303	DAY	Auger Attachment (Excludes Bits And Extensions) For Skid-Steer Loaders.....	67.88	
01 22 23 00-0304	WK	Auger Attachment (Excludes Bits And Extensions) For Skid-Steer Loaders.....	187.08	
01 22 23 00-0305	MO	Auger Attachment (Excludes Bits And Extensions) For Skid-Steer Loaders.....	510.75	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-20.43	
01 22 23 00-0306	DAY	Up To 18" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	18.71	
01 22 23 00-0307	WK	Up To 18" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	48.95	
01 22 23 00-0308	MO	Up To 18" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	143.96	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-5.76	
01 22 23 00-0309	DAY	>18" To 48" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger).....	25.19	
01 22 23 00-0310	WK	>18" To 48" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger).....	62.62	
01 22 23 00-0311	MO	>18" To 48" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger).....	187.16	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-7.49	
01 22 23 00-0312	DAY	Up To 24" Diameter, 4' Length, Rock Tip Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	36.70	
01 22 23 00-0313	WK	Up To 24" Diameter, 4' Length, Rock Tip Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	111.58	
01 22 23 00-0314	MO	Up To 24" Diameter, 4' Length, Rock Tip Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	331.12	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-13.24	
01 22 23 00-0315	DAY	2' Length, Auger Bit Extension For Skid-Steer Mounted Augers (Excludes Auger).....	7.45	
01 22 23 00-0316	WK	2' Length, Auger Bit Extension For Skid-Steer Mounted Augers (Excludes Auger).....	17.38	
01 22 23 00-0317	MO	2' Length, Auger Bit Extension For Skid-Steer Mounted Augers (Excludes Auger).....	46.36	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-1.85	

01 22 23 00-0318 **Bulldozers** (01 22 23 00-0274)

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0319	DAY	70 HP, D3 Bulldozer With Full-Time Operator	1,453.40	
		<i>For Equipment Without Operator, Deduct</i>	-1,004.62	
01 22 23 00-0320	WK	70 HP, D3 Bulldozer With Full-Time Operator	6,792.79	
		<i>For Equipment Without Operator, Deduct</i>	-5,023.08	
01 22 23 00-0321	MO	70 HP, D3 Bulldozer With Full-Time Operator	27,016.55	
		<i>For Equipment Without Operator, Deduct</i>	-21,766.70	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-209.99	
01 22 23 00-0322	DAY	90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator.....	1,665.08	
		<i>For Equipment Without Operator, Deduct</i>	-1,004.62	
01 22 23 00-0323	WK	90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator.....	7,648.00	
		<i>For Equipment Without Operator, Deduct</i>	-5,023.08	
01 22 23 00-0324	MO	90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator.....	29,641.48	
		<i>For Equipment Without Operator, Deduct</i>	-21,766.70	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-314.99	
01 22 23 00-0325	DAY	140 HP, D6 Bulldozer With Full-Time Operator	2,266.28	
		<i>For Equipment Without Operator, Deduct</i>	-1,004.62	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0326	WK	140 HP, D6 Bulldozer With Full-Time Operator	10,052.78	
		For Equipment Without Operator, Deduct	-5,023.08	
01 22 23 00-0327	MO	140 HP, D6 Bulldozer With Full-Time Operator	36,838.85	
		For Equipment Without Operator, Deduct	-21,766.70	
		For >6 Months (>26 Weeks) , Deduct	-602.89	
01 22 23 00-0328	DAY	200 HP, D7 Bulldozer With Full-Time Operator	2,799.73	
		For Equipment Without Operator, Deduct	-1,004.62	
01 22 23 00-0329	WK	200 HP, D7 Bulldozer With Full-Time Operator	12,195.05	
		For Equipment Without Operator, Deduct	-5,023.08	
01 22 23 00-0330	MO	200 HP, D7 Bulldozer With Full-Time Operator	43,274.15	
		For Equipment Without Operator, Deduct	-21,766.70	
		For >6 Months (>26 Weeks) , Deduct	-860.30	
01 22 23 00-0331	DAY	335 HP, D8 Bulldozer With Full-Time Operator	3,434.79	
		For Equipment Without Operator, Deduct	-1,004.62	
01 22 23 00-0332	WK	335 HP, D8 Bulldozer With Full-Time Operator	14,735.30	
		For Equipment Without Operator, Deduct	-5,023.08	
01 22 23 00-0333	MO	335 HP, D8 Bulldozer With Full-Time Operator	50,894.90	
		For Equipment Without Operator, Deduct	-21,766.70	
		For >6 Months (>26 Weeks) , Deduct	-1,165.13	
01 22 23 00-0334	DAY	460 HP, D9 Bulldozer With Full-Time Operator	3,790.43	
		For Equipment Without Operator, Deduct	-1,004.62	
01 22 23 00-0335	WK	460 HP, D9 Bulldozer With Full-Time Operator	16,149.38	
		For Equipment Without Operator, Deduct	-5,023.08	
01 22 23 00-0336	MO	460 HP, D9 Bulldozer With Full-Time Operator	55,128.65	
		For Equipment Without Operator, Deduct	-21,766.70	
		For >6 Months (>26 Weeks) , Deduct	-1,334.48	
01 22 23 00-0337 Trail Dozer (01 22 23 00-0274)				
Note: Includes full-time operator. Excludes delivery, set-up, and removal.				
01 22 23 00-0338	DAY	48" Width Trail Dozer With Full-Time Operator	1,641.54	
		For Equipment Without Operator, Deduct	-1,004.62	
01 22 23 00-0339	WK	48" Width Trail Dozer With Full-Time Operator	7,030.75	
		For Equipment Without Operator, Deduct	-5,023.08	
01 22 23 00-0340	MO	48" Width Trail Dozer With Full-Time Operator	26,875.87	
		For Equipment Without Operator, Deduct	-21,766.70	
		For >6 Months (>26 Weeks) , Deduct	-204.37	
01 22 23 00-0341 Road Graders (01 22 23 00-0274)				
Note: Includes full-time operator. Excludes delivery, set-up, and removal.				
01 22 23 00-0342	DAY	50 To 60 HP Road Grader With Full-Time Operator	2,357.32	
		For Equipment Without Operator, Deduct	-1,004.62	
01 22 23 00-0343	WK	50 To 60 HP Road Grader With Full-Time Operator	8,540.10	
		For Equipment Without Operator, Deduct	-5,023.08	
01 22 23 00-0344	MO	50 To 60 HP Road Grader With Full-Time Operator	31,235.60	
		For Equipment Without Operator, Deduct	-21,766.70	
		For >6 Months (>26 Weeks) , Deduct	-378.76	
01 22 23 00-0345	DAY	80 To 100 HP Road Grader With Full-Time Operator	3,024.65	
		For Equipment Without Operator, Deduct	-1,004.62	
01 22 23 00-0346	WK	80 To 100 HP Road Grader With Full-Time Operator	10,019.05	
		For Equipment Without Operator, Deduct	-5,023.08	
01 22 23 00-0347	MO	80 To 100 HP Road Grader With Full-Time Operator	35,744.60	
		For Equipment Without Operator, Deduct	-21,766.70	
		For >6 Months (>26 Weeks) , Deduct	-559.12	
01 22 23 00-0348	DAY	130 To 140 HP Road Grader With Full-Time Operator	3,522.14	
		For Equipment Without Operator, Deduct	-1,004.62	
01 22 23 00-0349	WK	130 To 140 HP Road Grader With Full-Time Operator	11,492.59	
		For Equipment Without Operator, Deduct	-5,023.08	
01 22 23 00-0350	MO	130 To 140 HP Road Grader With Full-Time Operator	41,177.94	
		For Equipment Without Operator, Deduct	-21,766.70	
		For >6 Months (>26 Weeks) , Deduct	-776.45	
01 22 23 00-0351	DAY	170 To 185 HP Road Grader With Full-Time Operator	4,278.15	
		For Equipment Without Operator, Deduct	-1,004.62	
01 22 23 00-0352	WK	170 To 185 HP Road Grader With Full-Time Operator	18,117.22	
		For Equipment Without Operator, Deduct	-5,023.08	
01 22 23 00-0353	MO	170 To 185 HP Road Grader With Full-Time Operator	67,596.14	
		For Equipment Without Operator, Deduct	-21,766.66	
		For >6 Months (>26 Weeks) , Deduct	-1,833.18	
01 22 23 00-0354 Motor Scraper (01 22 23 00-0274)				
Note: Includes full-time operator. Excludes delivery, set-up, and removal.				
01 22 23 00-0355	DAY	11 CY Motor Scraper-Hauler With Full-Time Operator	2,321.25	
		For Equipment Without Operator, Deduct	-1,004.62	
01 22 23 00-0356	WK	11 CY Motor Scraper-Hauler With Full-Time Operator	10,289.59	
		For Equipment Without Operator, Deduct	-5,023.08	
01 22 23 00-0357	MO	11 CY Motor Scraper-Hauler With Full-Time Operator	37,548.20	
		For Equipment Without Operator, Deduct	-21,766.70	
		For >6 Months (>26 Weeks) , Deduct	-631.26	
01 22 23 00-0358	DAY	18 CY Motor Scraper-Hauler With Full-Time Operator	2,853.31	
		For Equipment Without Operator, Deduct	-1,004.62	
01 22 23 00-0359	WK	18 CY Motor Scraper-Hauler With Full-Time Operator	12,417.84	
		For Equipment Without Operator, Deduct	-5,023.08	
01 22 23 00-0360	MO	18 CY Motor Scraper-Hauler With Full-Time Operator	43,950.98	
		For Equipment Without Operator, Deduct	-21,766.70	
		For >6 Months (>26 Weeks) , Deduct	-887.37	
01 22 23 00-0361	DAY	24 CY Motor Scraper-Hauler With Full-Time Operator	3,367.34	
		For Equipment Without Operator, Deduct	-1,004.62	

01 General Requirements
01 20 Price and Payment Procedures
01 22 Unit Prices

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

01 22 23 00-0362	WK	24 CY Motor Scraper-Hauler With Full-Time Operator	14,464.93	
		<i>For Equipment Without Operator, Deduct</i>	-5,023.08	
01 22 23 00-0363	MO	24 CY Motor Scraper-Hauler With Full-Time Operator	50,083.22	
		<i>For Equipment Without Operator, Deduct</i>	-21,766.70	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-1,132.66	

01 22 23 00-0364 Hydraulic Excavators (01 22 23 00-0274)

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0365	DAY	3/8 CY Hydraulic Excavator With Full-Time Operator	1,378.46	
		<i>For Equipment Without Operator, Deduct</i>	-1,004.62	
01 22 23 00-0366	WK	3/8 CY Hydraulic Excavator With Full-Time Operator	6,345.37	
		<i>For Equipment Without Operator, Deduct</i>	-5,023.08	
01 22 23 00-0367	MO	3/8 CY Hydraulic Excavator With Full-Time Operator	26,197.42	
		<i>For Equipment Without Operator, Deduct</i>	-21,766.70	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-177.23	
01 22 23 00-0368	DAY	1/2 CY Hydraulic Excavator With Full-Time Operator	1,483.69	
		<i>For Equipment Without Operator, Deduct</i>	-1,004.62	
01 22 23 00-0369	WK	1/2 CY Hydraulic Excavator With Full-Time Operator	6,809.21	
		<i>For Equipment Without Operator, Deduct</i>	-5,023.08	
01 22 23 00-0370	MO	1/2 CY Hydraulic Excavator With Full-Time Operator	28,052.78	
		<i>For Equipment Without Operator, Deduct</i>	-21,766.70	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-251.44	
01 22 23 00-0371	DAY	5/8 CY Hydraulic Excavator With Full-Time Operator	1,516.92	
		<i>For Equipment Without Operator, Deduct</i>	-1,004.62	
01 22 23 00-0372	WK	5/8 CY Hydraulic Excavator With Full-Time Operator	6,982.29	
		<i>For Equipment Without Operator, Deduct</i>	-5,023.08	
01 22 23 00-0373	MO	5/8 CY Hydraulic Excavator With Full-Time Operator	28,357.40	
		<i>For Equipment Without Operator, Deduct</i>	-21,766.70	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-263.63	
01 22 23 00-0374	DAY	3/4 CY Hydraulic Excavator With Full-Time Operator	1,551.54	
		<i>For Equipment Without Operator, Deduct</i>	-1,004.62	
01 22 23 00-0375	WK	3/4 CY Hydraulic Excavator With Full-Time Operator	7,141.52	
		<i>For Equipment Without Operator, Deduct</i>	-5,023.08	
01 22 23 00-0376	MO	3/4 CY Hydraulic Excavator With Full-Time Operator	28,662.01	
		<i>For Equipment Without Operator, Deduct</i>	-21,766.70	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-275.81	
01 22 23 00-0377	DAY	7/8 To 1 CY Hydraulic Excavator With Full-Time Operator	1,579.23	
		<i>For Equipment Without Operator, Deduct</i>	-1,004.62	
01 22 23 00-0378	WK	7/8 To 1 CY Hydraulic Excavator With Full-Time Operator	7,307.67	
		<i>For Equipment Without Operator, Deduct</i>	-5,023.08	
01 22 23 00-0379	MO	7/8 To 1 CY Hydraulic Excavator With Full-Time Operator	28,966.62	
		<i>For Equipment Without Operator, Deduct</i>	-21,766.70	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-288.00	
01 22 23 00-0380	DAY	1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator	1,953.07	
		<i>For Equipment Without Operator, Deduct</i>	-1,004.62	
01 22 23 00-0381	WK	1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator	8,796.12	
		<i>For Equipment Without Operator, Deduct</i>	-5,023.08	
01 22 23 00-0382	MO	1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator	33,085.80	
		<i>For Equipment Without Operator, Deduct</i>	-21,766.70	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-452.76	
01 22 23 00-0383	DAY	1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator	2,008.46	
		<i>For Equipment Without Operator, Deduct</i>	-1,004.62	
01 22 23 00-0384	WK	1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator	9,038.42	
		<i>For Equipment Without Operator, Deduct</i>	-5,023.08	
01 22 23 00-0385	MO	1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator	33,812.72	
		<i>For Equipment Without Operator, Deduct</i>	-21,766.70	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-481.84	
01 22 23 00-0386	DAY	1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator	2,112.30	
		<i>For Equipment Without Operator, Deduct</i>	-1,004.62	
01 22 23 00-0387	WK	1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator	9,453.80	
		<i>For Equipment Without Operator, Deduct</i>	-5,023.08	
01 22 23 00-0388	MO	1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator	35,058.86	
		<i>For Equipment Without Operator, Deduct</i>	-21,766.70	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-531.69	
01 22 23 00-0389	DAY	2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator	2,229.99	
		<i>For Equipment Without Operator, Deduct</i>	-1,004.62	
01 22 23 00-0390	WK	2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator	9,917.64	
		<i>For Equipment Without Operator, Deduct</i>	-5,023.08	
01 22 23 00-0391	MO	2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator	36,443.46	
		<i>For Equipment Without Operator, Deduct</i>	-21,766.70	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-587.07	
01 22 23 00-0392	DAY	2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator	2,264.61	
		<i>For Equipment Without Operator, Deduct</i>	-1,004.62	
01 22 23 00-0393	WK	2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator	10,056.10	
		<i>For Equipment Without Operator, Deduct</i>	-5,023.08	
01 22 23 00-0394	MO	2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator	36,858.84	
		<i>For Equipment Without Operator, Deduct</i>	-21,766.70	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-603.69	
01 22 23 00-0395	DAY	3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator	2,596.91	
		<i>For Equipment Without Operator, Deduct</i>	-1,004.62	
01 22 23 00-0396	WK	3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator	11,392.24	
		<i>For Equipment Without Operator, Deduct</i>	-5,023.08	
01 22 23 00-0397	MO	3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator	40,874.18	
		<i>For Equipment Without Operator, Deduct</i>	-21,766.70	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-764.30	
01 22 23 00-0398	DAY	4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator	3,074.60	
		<i>For Equipment Without Operator, Deduct</i>	-1,004.62	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0399	WK	4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator	13,289.14	
		<i>For Equipment Without Operator, Deduct</i>	-5,023.08	
01 22 23 00-0400	MO	4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator	46,551.04	
		<i>For Equipment Without Operator, Deduct</i>	-21,766.70	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-991.37	
01 22 23 00-0401	DAY	6 To 11 CY Hydraulic Excavator With Full-Time Operator.....	3,663.05	
		<i>For Equipment Without Operator, Deduct</i>	-1,004.62	
01 22 23 00-0402	WK	6 To 11 CY Hydraulic Excavator With Full-Time Operator.....	15,642.96	
		<i>For Equipment Without Operator, Deduct</i>	-5,023.08	
01 22 23 00-0403	MO	6 To 11 CY Hydraulic Excavator With Full-Time Operator.....	53,612.50	
		<i>For Equipment Without Operator, Deduct</i>	-21,766.70	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-1,273.83	
01 22 23 00-0404	DAY	Up To 50' Depth, 50,000 Lb. Operating Weight, Long-Arm Hydraulic Excavator With Full-Time Operator	2,139.99	
		<i>For Equipment Without Operator, Deduct</i>	-1,004.62	
01 22 23 00-0405	WK	Up To 50' Depth, 50,000 Lb. Operating Weight, Long-Arm Hydraulic Excavator With Full-Time Operator	9,550.72	
		<i>For Equipment Without Operator, Deduct</i>	-5,023.08	
01 22 23 00-0406	MO	Up To 50' Depth, 50,000 Lb. Operating Weight, Long-Arm Hydraulic Excavator With Full-Time Operator	35,335.78	
		<i>For Equipment Without Operator, Deduct</i>	-21,766.70	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-542.76	
01 22 23 00-0407	DAY	Thumbs Or Grapple Attachment For Hydraulic Excavators	96.92	
01 22 23 00-0408	WK	Thumbs Or Grapple Attachment For Hydraulic Excavators	373.84	
01 22 23 00-0409	MO	Thumbs Or Grapple Attachment For Hydraulic Excavators	1,107.68	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-44.31	
01 22 23 00-0410	DAY	1,000 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators.....	429.23	
01 22 23 00-0411	WK	1,000 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators.....	1,135.37	
01 22 23 00-0412	MO	1,000 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators.....	3,177.66	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-127.11	
01 22 23 00-0413	DAY	1,500 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators.....	664.61	
01 22 23 00-0414	WK	1,500 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators.....	1,696.14	
01 22 23 00-0415	MO	1,500 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators.....	4,409.95	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-176.40	
01 22 23 00-0416	DAY	3,000 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators.....	927.68	
01 22 23 00-0417	WK	3,000 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators.....	2,499.20	
01 22 23 00-0418	MO	3,000 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators.....	7,006.08	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-280.24	
01 22 23 00-0419	DAY	24" Compaction Wheel Attachment For Hydraulic Excavators	193.84	
01 22 23 00-0420	WK	24" Compaction Wheel Attachment For Hydraulic Excavators	775.38	
01 22 23 00-0421	MO	24" Compaction Wheel Attachment For Hydraulic Excavators	2,326.13	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-93.05	
01 22 23 00-0422	DAY	36" Compaction Wheel Attachment For Hydraulic Excavators	276.92	
01 22 23 00-0423	WK	36" Compaction Wheel Attachment For Hydraulic Excavators	1,107.68	
01 22 23 00-0424	MO	36" Compaction Wheel Attachment For Hydraulic Excavators	3,323.04	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-132.92	
01 22 23 00-0425	DAY	48" Compaction Wheel Attachment For Hydraulic Excavators	304.61	
01 22 23 00-0426	WK	48" Compaction Wheel Attachment For Hydraulic Excavators	1,204.60	
01 22 23 00-0427	MO	48" Compaction Wheel Attachment For Hydraulic Excavators	3,599.96	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-144.00	
01 22 23 00-0428 Mini-Excavators (01 22 23 00-0274)				
Note: Includes full-time operator. Excludes delivery, set-up, and removal.				
01 22 23 00-0429	DAY	2,000 Lb. Capacity, Mini-Excavator With Full-Time Operator	1,295.39	
		<i>For Equipment Without Operator, Deduct</i>	-1,004.62	
01 22 23 00-0430	WK	2,000 Lb. Capacity, Mini-Excavator With Full-Time Operator	5,846.92	
		<i>For Equipment Without Operator, Deduct</i>	-5,023.08	
01 22 23 00-0431	MO	2,000 Lb. Capacity, Mini-Excavator With Full-Time Operator	23,580.53	
		<i>For Equipment Without Operator, Deduct</i>	-21,766.70	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-72.55	
01 22 23 00-0432	DAY	3,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	1,302.31	
		<i>For Equipment Without Operator, Deduct</i>	-1,004.62	
01 22 23 00-0433	WK	3,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	5,867.69	
		<i>For Equipment Without Operator, Deduct</i>	-5,023.08	
01 22 23 00-0434	MO	3,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	24,016.68	
		<i>For Equipment Without Operator, Deduct</i>	-21,766.70	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-90.00	
01 22 23 00-0435	DAY	6,000 Lb. Capacity, Mini-Excavator With Full-Time Operator	1,336.92	
		<i>For Equipment Without Operator, Deduct</i>	-1,004.62	
01 22 23 00-0436	WK	6,000 Lb. Capacity, Mini-Excavator With Full-Time Operator	5,964.61	
		<i>For Equipment Without Operator, Deduct</i>	-5,023.08	
01 22 23 00-0437	MO	6,000 Lb. Capacity, Mini-Excavator With Full-Time Operator	24,078.98	
		<i>For Equipment Without Operator, Deduct</i>	-21,766.70	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-92.49	
01 22 23 00-0438	DAY	7,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	1,350.77	
		<i>For Equipment Without Operator, Deduct</i>	-1,004.62	
01 22 23 00-0439	WK	7,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	6,013.07	
		<i>For Equipment Without Operator, Deduct</i>	-5,023.08	
01 22 23 00-0440	MO	7,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	24,106.67	
		<i>For Equipment Without Operator, Deduct</i>	-21,766.70	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-93.60	
01 22 23 00-0441	DAY	9,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	1,433.85	
		<i>For Equipment Without Operator, Deduct</i>	-1,004.62	
01 22 23 00-0442	WK	9,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	6,082.30	
		<i>For Equipment Without Operator, Deduct</i>	-5,023.08	
01 22 23 00-0443	MO	9,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	24,909.74	
		<i>For Equipment Without Operator, Deduct</i>	-21,766.70	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-125.72	
01 22 23 00-0444	DAY	11,000 Lb. Capacity, Mini-Excavator With Full-Time Operator	1,440.77	
		<i>For Equipment Without Operator, Deduct</i>	-1,004.62	

01	General Requirements
01 20	Price and Payment Procedures
01 22	Unit Prices

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-0445	WK	11,000 Lb. Capacity, Mini-Excavator With Full-Time Operator	6,428.45	
		<i>For Equipment Without Operator, Deduct</i>	-5,023.08	
01 22 23 00-0446	MO	11,000 Lb. Capacity, Mini-Excavator With Full-Time Operator	24,944.36	
		<i>For Equipment Without Operator, Deduct</i>	-21,766.70	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-127.11	

01 22 23 00-0447 Loader-Backhoes With Standard Bucket (01 22 23 00-0274)

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0448	DAY	1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator	1,421.40	
		<i>For Equipment Without Operator, Deduct</i>	-1,004.62	
01 22 23 00-0449	WK	1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator	6,012.93	
		<i>For Equipment Without Operator, Deduct</i>	-5,023.08	
01 22 23 00-0450	MO	1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator	24,096.20	
		<i>For Equipment Without Operator, Deduct</i>	-21,766.70	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-93.18	
01 22 23 00-0451	DAY	1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator	1,466.06	
		<i>For Equipment Without Operator, Deduct</i>	-1,004.62	
01 22 23 00-0452	WK	1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator	6,169.22	
		<i>For Equipment Without Operator, Deduct</i>	-5,023.08	
01 22 23 00-0453	MO	1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator	25,048.84	
		<i>For Equipment Without Operator, Deduct</i>	-21,766.70	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-131.29	
01 22 23 00-0454	DAY	1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator	1,534.90	
		<i>For Equipment Without Operator, Deduct</i>	-1,004.62	
01 22 23 00-0455	WK	1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator	6,340.40	
		<i>For Equipment Without Operator, Deduct</i>	-5,023.08	
01 22 23 00-0456	MO	1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator	25,540.05	
		<i>For Equipment Without Operator, Deduct</i>	-21,766.70	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-150.93	
01 22 23 00-0457	DAY	1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator	1,841.90	
		<i>For Equipment Without Operator, Deduct</i>	-1,004.62	
01 22 23 00-0458	WK	1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator	7,255.83	
		<i>For Equipment Without Operator, Deduct</i>	-5,023.08	
01 22 23 00-0459	MO	1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator	28,159.81	
		<i>For Equipment Without Operator, Deduct</i>	-21,766.70	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-255.72	

01 22 23 00-0460 Heavy-Duty Construction Loaders (01 22 23 00-0274)

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0461	DAY	2-1/2 CY, 119 HP, Heavy-Duty Construction Loader With Full-Time Operator	1,488.06	
		<i>For Equipment Without Operator, Deduct</i>	-1,004.62	
01 22 23 00-0462	WK	2-1/2 CY, 119 HP, Heavy-Duty Construction Loader With Full-Time Operator	6,934.52	
		<i>For Equipment Without Operator, Deduct</i>	-5,023.08	
01 22 23 00-0463	MO	2-1/2 CY, 119 HP, Heavy-Duty Construction Loader With Full-Time Operator	27,493.58	
		<i>For Equipment Without Operator, Deduct</i>	-21,766.70	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-229.08	
01 22 23 00-0464	DAY	3 CY, 135 HP, Heavy-Duty Construction Loader With Full-Time Operator	1,889.68	
		<i>For Equipment Without Operator, Deduct</i>	-1,004.62	
01 22 23 00-0465	WK	3 CY, 135 HP, Heavy-Duty Construction Loader With Full-Time Operator	7,373.33	
		<i>For Equipment Without Operator, Deduct</i>	-5,023.08	
01 22 23 00-0466	MO	3 CY, 135 HP, Heavy-Duty Construction Loader With Full-Time Operator	27,716.70	
		<i>For Equipment Without Operator, Deduct</i>	-21,766.70	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-238.00	
01 22 23 00-0467	DAY	3-1/2 CY, 198 HP, Heavy-Duty Construction Loader With Full-Time Operator	1,978.93	
		<i>For Equipment Without Operator, Deduct</i>	-1,004.62	
01 22 23 00-0468	WK	3-1/2 CY, 198 HP, Heavy-Duty Construction Loader With Full-Time Operator	7,611.33	
		<i>For Equipment Without Operator, Deduct</i>	-5,023.08	
01 22 23 00-0469	MO	3-1/2 CY, 198 HP, Heavy-Duty Construction Loader With Full-Time Operator	28,311.70	
		<i>For Equipment Without Operator, Deduct</i>	-21,766.70	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-261.80	
01 22 23 00-0470	DAY	4-1/2 CY, 215 HP, Heavy-Duty Construction Loader With Full-Time Operator	2,224.37	
		<i>For Equipment Without Operator, Deduct</i>	-1,004.62	
01 22 23 00-0471	WK	4-1/2 CY, 215 HP, Heavy-Duty Construction Loader With Full-Time Operator	8,258.39	
		<i>For Equipment Without Operator, Deduct</i>	-5,023.08	
01 22 23 00-0472	MO	4-1/2 CY, 215 HP, Heavy-Duty Construction Loader With Full-Time Operator	29,947.95	
		<i>For Equipment Without Operator, Deduct</i>	-21,766.70	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-327.25	
01 22 23 00-0473	DAY	7-1/3 CY, 330 HP, Heavy-Duty Construction Loader With Full-Time Operator	2,856.56	
		<i>For Equipment Without Operator, Deduct</i>	-1,004.62	
01 22 23 00-0474	WK	7-1/3 CY, 330 HP, Heavy-Duty Construction Loader With Full-Time Operator	12,415.96	
		<i>For Equipment Without Operator, Deduct</i>	-5,023.08	
01 22 23 00-0475	MO	7-1/3 CY, 330 HP, Heavy-Duty Construction Loader With Full-Time Operator	43,930.45	
		<i>For Equipment Without Operator, Deduct</i>	-21,766.70	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-886.55	
01 22 23 00-0476	DAY	13-1/2 CY, 690 HP, Heavy-Duty Construction Loader With Full-Time Operator	7,021.48	
		<i>For Equipment Without Operator, Deduct</i>	-1,004.62	
01 22 23 00-0477	WK	13-1/2 CY, 690 HP, Heavy-Duty Construction Loader With Full-Time Operator	24,561.18	
		<i>For Equipment Without Operator, Deduct</i>	-5,023.08	
01 22 23 00-0478	MO	13-1/2 CY, 690 HP, Heavy-Duty Construction Loader With Full-Time Operator	75,013.32	
		<i>For Equipment Without Operator, Deduct</i>	-21,766.70	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-2,129.86	

01 22 23 00-0479 Tractors (01 22 23 00-0274)

Note: Excludes operator, delivery, set-up, and removal.

01 22 23 00-0480	DAY	20 To 29 HP Tractor	522.00	
01 22 23 00-0481	WK	20 To 29 HP Tractor	1,256.67	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0482	MO	20 To 29 HP Tractor	3,393.02	
		For >6 Months (>26 Weeks) , Deduct	-135.72	
01 22 23 00-0483	DAY	30 To 35 HP Tractor	540.88	
01 22 23 00-0484	WK	30 To 35 HP Tractor	1,392.47	
01 22 23 00-0485	MO	30 To 35 HP Tractor	3,855.18	
		For >6 Months (>26 Weeks) , Deduct	-154.21	
01 22 23 00-0486	DAY	40 To 45 HP Tractor	552.38	
01 22 23 00-0487	WK	40 To 45 HP Tractor	1,484.53	
01 22 23 00-0488	MO	40 To 45 HP Tractor	4,073.83	
		For >6 Months (>26 Weeks) , Deduct	-162.95	
01 22 23 00-0489	DAY	80 To 89 HP Tractor	711.19	
01 22 23 00-0490	WK	80 To 89 HP Tractor	2,016.89	
01 22 23 00-0491	MO	80 To 89 HP Tractor	5,774.94	
		For >6 Months (>26 Weeks) , Deduct	-231.00	
01 22 23 00-0492	DAY	60" Rotary Mower Attachment For Tractors.....	223.26	
01 22 23 00-0493	WK	60" Rotary Mower Attachment For Tractors.....	690.48	
01 22 23 00-0494	DAY	84" Rotary Mower Attachment For Tractors.....	243.97	
01 22 23 00-0495	WK	84" Rotary Mower Attachment For Tractors.....	748.02	
01 22 23 00-0496	DAY	Under Deck Rotary Mower Attachment For Tractors.....	41.39	
01 22 23 00-0497	WK	Under Deck Rotary Mower Attachment For Tractors.....	165.55	
01 22 23 00-0498		Telescopic Hydraulic Excavators (Gradall) (01 22 23 00-0274)		
		Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0499	DAY	Gradall, Telescopic Hydraulic Excavator With Full-Time Operator	4,426.86	
		For Equipment Without Operator, Deduct	-1,004.62	
		For Track Gradall, Add	410.67	
01 22 23 00-0500	WK	Gradall, Telescopic Hydraulic Excavator With Full-Time Operator	13,066.43	
		For Equipment Without Operator, Deduct	-5,023.08	
		For Track Gradall, Add	965.20	
01 22 23 00-0501	MO	Gradall, Telescopic Hydraulic Excavator With Full-Time Operator	50,474.57	
		For Equipment Without Operator, Deduct	-21,766.70	
		For Track Gradall, Add	3,444.94	
		For >6 Months (>26 Weeks) , Deduct	-1,148.31	
01 22 23 00-0502		Shoring (01 22 23 00-0274)		
		Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0503		Aluminum Hydraulic Shoring (01 22 23 00-0502)		
		Note: Includes delivery to job site and pick-up when complete. Excludes sheeting.		
01 22 23 00-0504	WK	2' Rails, 1 Cylinder, Aluminum Hydraulic Shoring	120.17	
		Note: Up to 88" spread width.		
01 22 23 00-0505	MO	2' Rails, 1 Cylinder, Aluminum Hydraulic Shoring	354.46	
		Note: Up to 88" spread width.		
		For >6 Months (>26 Weeks) , Deduct	-14.18	
01 22 23 00-0506	WK	Up To 12' Rails, 2 Cylinders, Aluminum Hydraulic Shoring	161.21	
		Note: Up to 88" spread width.		
01 22 23 00-0507	MO	Up To 12' Rails, 2 Cylinders, Aluminum Hydraulic Shoring	475.49	
		Note: Up to 88" spread width.		
		For >6 Months (>26 Weeks) , Deduct	-19.02	
01 22 23 00-0508	WK	Up To 16' Rails, 3 Cylinders, Aluminum Hydraulic Shoring	298.93	
		Note: Up to 88" spread width.		
01 22 23 00-0509	MO	Up To 16' Rails, 3 Cylinders, Aluminum Hydraulic Shoring	881.83	
		Note: Up to 88" spread width.		
		For >6 Months (>26 Weeks) , Deduct	-35.27	
01 22 23 00-0510	EA	Set-up And Removal Of 1 Cylinder Aluminum Hydraulic Shores.....	28.04	
01 22 23 00-0511	EA	Set-up And Removal Of 2 Cylinders Aluminum Hydraulic Shores.....	44.87	
01 22 23 00-0512	EA	Set-up And Removal Of 3 Cylinders Aluminum Hydraulic Shores.....	74.78	
01 22 23 00-0513		Slide Rail Shoring (01 22 23 00-0502)		
		Note: Excludes delivery to job site and pick-up when complete.		
01 22 23 00-0514	WK	4' x 12' Slide Rail Panel	229.97	
01 22 23 00-0515	MO	4' x 12' Slide Rail Panel	689.91	
01 22 23 00-0516	WK	8' x 12' Slide Rail Panel	375.76	
01 22 23 00-0517	MO	8' x 12' Slide Rail Panel	1,127.29	
01 22 23 00-0518	WK	4' x 16' Slide Rail Panel	299.89	
01 22 23 00-0519	MO	4' x 16' Slide Rail Panel	899.67	
01 22 23 00-0520	WK	8' x 16' Slide Rail Panel	490.70	
01 22 23 00-0521	MO	8' x 16' Slide Rail Panel	1,472.10	
01 22 23 00-0522	WK	4' x 20' Slide Rail Panel	384.75	
01 22 23 00-0523	MO	4' x 20' Slide Rail Panel	1,154.25	
01 22 23 00-0524	WK	8' x 20' Slide Rail Panel	677.70	
01 22 23 00-0525	MO	8' x 20' Slide Rail Panel	2,033.11	
01 22 23 00-0526	WK	14' Stacking Post.....	343.74	
01 22 23 00-0527	MO	14' Stacking Post.....	1,031.21	
01 22 23 00-0528	WK	Stacking Brackets.....	10.74	
01 22 23 00-0529	MO	Stacking Brackets.....	32.23	
01 22 23 00-0530	EA	Set Up And Remove 4' x 12' Slide Rail Panel.....	257.18	
01 22 23 00-0531	EA	Set Up And Remove 8' x 12' Slide Rail Panel.....	385.76	
01 22 23 00-0532	EA	Set Up And Remove 4' x 16' Slide Rail Panel.....	385.76	
01 22 23 00-0533	EA	Set Up And Remove 8' x 16' Slide Rail Panel.....	514.34	
01 22 23 00-0534	EA	Set Up And Remove 4' x 20' Slide Rail Panel.....	514.34	
01 22 23 00-0535	EA	Set Up And Remove 8' x 20' Slide Rail Panel.....	642.93	
01 22 23 00-0536	EA	Set Up And Remove 14' Stacking Post.....	385.76	
01 22 23 00-0537	EA	Set Up And Remove Stacking Brackets	128.58	
01 22 23 00-0538	EA	Stacking Brackets Rigging Tub.....	2,014.07	

01	General Requirements
01 20	Price and Payment Procedures
01 22	Unit Prices

MINOR	CSI	UOM	DESCRIPTION
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TOTAL DIRECT	DEMOLITION
UNIT COST	UNIT COST

01 22 23 00-0539 Trench Boxes/Trench Shields (01 22 23 00-0274)

Note: Trenching tasks include moving the trench box in excavation as trenching proceeds. Includes delivery to job site and pick-up when complete. For stackable units, combine multiple units for depth required.

01 22 23 00-0540	WK	4' x 6' Trench Box With Up To 48" Spreaders	256.08
01 22 23 00-0541	MO	4' x 6' Trench Box With Up To 48" Spreaders	768.23
		For >6 Months (>26 Weeks), Deduct	-30.73
01 22 23 00-0542	WK	6' x 6' Trench Box With Up To 48" Spreaders	289.12
01 22 23 00-0543	MO	6' x 6' Trench Box With Up To 48" Spreaders	867.35
		For >6 Months (>26 Weeks), Deduct	-34.69
01 22 23 00-0544	WK	8' x 6' Trench Box With Up To 48" Spreaders	305.64
01 22 23 00-0545	MO	8' x 6' Trench Box With Up To 48" Spreaders	916.92
		For >6 Months (>26 Weeks), Deduct	-36.68
01 22 23 00-0546	WK	4' x 8' Trench Box With Up To 48" Spreaders	280.86
01 22 23 00-0547	MO	4' x 8' Trench Box With Up To 48" Spreaders	842.57
		For >6 Months (>26 Weeks), Deduct	-33.70
01 22 23 00-0548	WK	6' x 8' Trench Box With Up To 48" Spreaders	330.42
01 22 23 00-0549	MO	6' x 8' Trench Box With Up To 48" Spreaders	991.26
		For >6 Months (>26 Weeks), Deduct	-39.65
01 22 23 00-0550	WK	8' x 8' Trench Box With Up To 48" Spreaders	371.72
01 22 23 00-0551	MO	8' x 8' Trench Box With Up To 48" Spreaders	1,115.17
		For >6 Months (>26 Weeks), Deduct	-44.61
01 22 23 00-0552	WK	4' x 10' Trench Box With Up To 48" Spreaders	313.90
01 22 23 00-0553	MO	4' x 10' Trench Box With Up To 48" Spreaders	941.70
		For >6 Months (>26 Weeks), Deduct	-37.67
01 22 23 00-0554	WK	6' x 10' Trench Box With Up To 48" Spreaders	371.72
01 22 23 00-0555	MO	6' x 10' Trench Box With Up To 48" Spreaders	1,115.17
		For >6 Months (>26 Weeks), Deduct	-44.61
01 22 23 00-0556	WK	8' x 10' Trench Box With Up To 48" Spreaders	454.33
01 22 23 00-0557	MO	8' x 10' Trench Box With Up To 48" Spreaders	1,354.72
		For >6 Months (>26 Weeks), Deduct	-54.19
01 22 23 00-0558	WK	4' x 12' Trench Box With Up To 48" Spreaders	371.72
01 22 23 00-0559	MO	4' x 12' Trench Box With Up To 48" Spreaders	1,115.17
		For >6 Months (>26 Weeks), Deduct	-44.61
01 22 23 00-0560	WK	6' x 12' Trench Box With Up To 48" Spreaders	454.33
01 22 23 00-0561	MO	6' x 12' Trench Box With Up To 48" Spreaders	1,362.98
		For >6 Months (>26 Weeks), Deduct	-54.52
01 22 23 00-0562	WK	8' x 12' Trench Box With Up To 48" Spreaders	578.24
01 22 23 00-0563	MO	8' x 12' Trench Box With Up To 48" Spreaders	1,734.70
		For >6 Months (>26 Weeks), Deduct	-69.39
01 22 23 00-0564	WK	4' x 14' Trench Box With Up To 48" Spreaders	413.02
01 22 23 00-0565	MO	4' x 14' Trench Box With Up To 48" Spreaders	1,239.08
		For >6 Months (>26 Weeks), Deduct	-49.56
01 22 23 00-0566	WK	6' x 14' Trench Box With Up To 48" Spreaders	536.93
01 22 23 00-0567	MO	6' x 14' Trench Box With Up To 48" Spreaders	1,610.80
		For >6 Months (>26 Weeks), Deduct	-64.43
01 22 23 00-0568	WK	8' x 14' Trench Box With Up To 48" Spreaders	660.84
01 22 23 00-0569	MO	8' x 14' Trench Box With Up To 48" Spreaders	1,982.52
		For >6 Months (>26 Weeks), Deduct	-79.30
01 22 23 00-0570	WK	4' x 16' Trench Box With Up To 48" Spreaders	454.33
01 22 23 00-0571	MO	4' x 16' Trench Box With Up To 48" Spreaders	1,362.98
		For >6 Months (>26 Weeks), Deduct	-54.52
01 22 23 00-0572	WK	6' x 16' Trench Box With Up To 48" Spreaders	619.54
01 22 23 00-0573	MO	6' x 16' Trench Box With Up To 48" Spreaders	1,858.61
		For >6 Months (>26 Weeks), Deduct	-74.34
01 22 23 00-0574	WK	8' x 16' Trench Box With Up To 48" Spreaders	743.44
01 22 23 00-0575	MO	8' x 16' Trench Box With Up To 48" Spreaders	2,230.34
		For >6 Months (>26 Weeks), Deduct	-89.21
01 22 23 00-0576	WK	4' x 20' Trench Box With Up To 48" Spreaders	536.93
01 22 23 00-0577	MO	4' x 20' Trench Box With Up To 48" Spreaders	1,610.80
		For >6 Months (>26 Weeks), Deduct	-64.43
01 22 23 00-0578	WK	6' x 20' Trench Box With Up To 48" Spreaders	743.44
01 22 23 00-0579	MO	6' x 20' Trench Box With Up To 48" Spreaders	2,230.34
		For >6 Months (>26 Weeks), Deduct	-89.21
01 22 23 00-0580	WK	8' x 20' Trench Box With Up To 48" Spreaders	867.35
01 22 23 00-0581	MO	8' x 20' Trench Box With Up To 48" Spreaders	2,602.06
		For >6 Months (>26 Weeks), Deduct	-104.08
01 22 23 00-0582	WK	4' x 24' Trench Box With Up To 48" Spreaders	743.44
01 22 23 00-0583	MO	4' x 24' Trench Box With Up To 48" Spreaders	2,230.34
		For >6 Months (>26 Weeks), Deduct	-89.21
01 22 23 00-0584	WK	6' x 24' Trench Box With Up To 48" Spreaders	908.66
01 22 23 00-0585	MO	6' x 24' Trench Box With Up To 48" Spreaders	2,725.96
		For >6 Months (>26 Weeks), Deduct	-109.04
01 22 23 00-0586	WK	8' x 24' Trench Box With Up To 48" Spreaders	991.26
01 22 23 00-0587	MO	8' x 24' Trench Box With Up To 48" Spreaders	2,973.78
		For >6 Months (>26 Weeks), Deduct	-118.95
01 22 23 00-0588	WK	For Spreaders >48" To 84", Add	24.78
01 22 23 00-0589	MO	For Spreaders >48" To 84", Add	74.34
		For >6 Months (>26 Weeks), Deduct	-2.97
01 22 23 00-0590	WK	For Spreaders >84" To 120", Add	148.69
01 22 23 00-0591	MO	For Spreaders >84" To 120", Add	446.07
		For >6 Months (>26 Weeks), Deduct	-17.84
01 22 23 00-0592	WK	For Spreaders >120", Add	313.90
01 22 23 00-0593	MO	For Spreaders >120", Add	941.70
		For >6 Months (>26 Weeks), Deduct	-37.67
01 22 23 00-0594	WK	8' x 4' Manhole Box	390.31

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0595	MO	8' x 4' Manhole Box..... <i>For >6 Months (>26 Weeks) , Deduct</i>	1,170.93 -46.84	
01 22 23 00-0596	WK	8' x 8' Manhole Box.....	557.58	
01 22 23 00-0597	MO	8' x 8' Manhole Box..... <i>For >6 Months (>26 Weeks) , Deduct</i>	1,672.75 -66.91	
01 22 23 00-0598 Trenchers (01 22 23 00-0274)				
Note: Includes full-time operator. Excludes delivery, set-up, and removal.				
01 22 23 00-0599	DAY	4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	1,326.56 -958.30	
01 22 23 00-0600	WK	4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	6,045.87 -4,791.50	
01 22 23 00-0601	MO	4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	24,215.59 -20,763.19	
01 22 23 00-0602	DAY	5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	1,947.99 -958.30	
01 22 23 00-0603	WK	5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	8,140.33 -4,791.50	
01 22 23 00-0604	MO	5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	29,969.59 -20,763.19	
01 22 23 00-0605 Portable Sediment Tank (01 22 23 00-0274)				
Note: Includes delivery to job site and pick-up when complete.				
01 22 23 00-0606	WK	Portable Sediment Tank.....	206.94	
01 22 23 00-0607	MO	Portable Sediment Tank..... <i>For >6 Months (>26 Weeks) , Deduct</i>	607.02 -24.28	
01 22 23 00-0608 Heavy Equipment (Ground Protection) Mats (01 22 23 00-0274)				
Note: Rental price per mat. Excludes placement, moving, mobilization and demobilization. See CSI section 01 22 23 00-0274 for equipment for offloading/reloading from delivery vehicle, placing, and moving mats, 01 71 13 00-0001 for equipment delivery, pickup, mobilization and demobilization.				
01 22 23 00-0609	DAY	14' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat.....	28.19	
01 22 23 00-0610	WK	14' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat.....	67.12	
01 22 23 00-0611	MO	14' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat..... <i>For >6 Months (>26 Weeks) , Deduct</i>	140.96 -5.64	
01 22 23 00-0612	DAY	16' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat.....	29.60	
01 22 23 00-0613	WK	16' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat.....	70.48	
01 22 23 00-0614	MO	16' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat..... <i>For >6 Months (>26 Weeks) , Deduct</i>	148.01 -5.92	
01 22 23 00-0615	Day	16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	23.96	
01 22 23 00-0616	WK	16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	56.38	
01 22 23 00-0617	MO	16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat..... <i>For >6 Months (>26 Weeks) , Deduct</i>	119.82 -4.79	
01 22 23 00-0618	Day	18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	26.78	
01 22 23 00-0619	WK	18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	63.43	
01 22 23 00-0620	MO	18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat..... <i>For >6 Months (>26 Weeks) , Deduct</i>	133.91 -5.36	
01 22 23 00-0621	Day	20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	29.60	
01 22 23 00-0622	WK	20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	70.48	
01 22 23 00-0623	MO	20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat..... <i>For >6 Months (>26 Weeks) , Deduct</i>	148.01 -5.92	
01 22 23 00-0624	Day	24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	32.42	
01 22 23 00-0625	WK	24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	77.19	
01 22 23 00-0626	MO	24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat..... <i>For >6 Months (>26 Weeks) , Deduct</i>	162.10 -6.48	
01 22 23 00-0627	Day	12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	25.37	
01 22 23 00-0628	WK	12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	70.48	
01 22 23 00-0629	MO	12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat..... <i>For >6 Months (>26 Weeks) , Deduct</i>	126.86 -5.07	
01 22 23 00-0630	Day	16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	29.60	
01 22 23 00-0631	WK	16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	70.48	
01 22 23 00-0632	MO	16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat..... <i>For >6 Months (>26 Weeks) , Deduct</i>	148.01 -5.92	
01 22 23 00-0633	Day	20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	35.24	
01 22 23 00-0634	WK	20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	77.53	
01 22 23 00-0635	MO	20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat..... <i>For >6 Months (>26 Weeks) , Deduct</i>	176.20 -7.05	
01 22 23 00-0636	Day	24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	38.06	
01 22 23 00-0637	WK	24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	90.62	
01 22 23 00-0638	MO	24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat..... <i>For >6 Months (>26 Weeks) , Deduct</i>	190.30 -7.61	
01 22 23 00-0639	Day	28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	40.88	
01 22 23 00-0640	WK	28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	97.33	
01 22 23 00-0641	MO	28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat..... <i>For >6 Months (>26 Weeks) , Deduct</i>	204.39 -8.18	
01 22 23 00-0642	Day	30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	42.29	
01 22 23 00-0643	WK	30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	100.69	
01 22 23 00-0644	MO	30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat..... <i>For >6 Months (>26 Weeks) , Deduct</i>	211.44 -8.46	
01 22 23 00-0645	Day	14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™).....	13.56	
01 22 23 00-0646	WK	14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™).....	33.90	

01	General Requirements
01 20	Price and Payment Procedures
01 22	Unit Prices

MINOR	CSI	UOM	DESCRIPTION
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TOTAL DIRECT	DEMOLITION
UNIT COST	UNIT COST

01 22 23 00-0647	MO	14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™)	101.70	
For >6 Months (>26 Weeks) , Deduct			-4.07	
01 22 23 00-0648	Day	14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	16.21	
01 22 23 00-0649	WK	14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	40.53	
01 22 23 00-0650	MO	14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	121.58	
For >6 Months (>26 Weeks) , Deduct			-4.86	
01 22 23 00-0651	Day	16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	18.51	
01 22 23 00-0652	WK	16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	46.28	
01 22 23 00-0653	MO	16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	138.85	
For >6 Months (>26 Weeks) , Deduct			-5.55	
01 22 23 00-0654	Day	14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	19.73	
01 22 23 00-0655	WK	14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	49.34	
01 22 23 00-0656	MO	14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	148.01	
For >6 Months (>26 Weeks) , Deduct			-5.92	
01 22 23 00-0657	Day	16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	22.55	
01 22 23 00-0658	WK	16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	56.38	
01 22 23 00-0659	MO	16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	169.15	
For >6 Months (>26 Weeks) , Deduct			-6.77	
01 22 23 00-0660	Day	16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	25.92	
01 22 23 00-0661	WK	16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	64.79	
01 22 23 00-0662	MO	16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	194.38	
For >6 Months (>26 Weeks) , Deduct			-7.78	
01 22 23 00-0663	Day	24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™)	19.94	
01 22 23 00-0664	WK	24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™)	49.85	
01 22 23 00-0665	MO	24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™)	149.56	
For >6 Months (>26 Weeks) , Deduct			-5.98	
01 22 23 00-0666	Day	30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	27.00	
01 22 23 00-0667	WK	30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	67.50	
01 22 23 00-0668	MO	30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	202.49	
For >6 Months (>26 Weeks) , Deduct			-8.10	
01 22 23 00-0669	Day	24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	23.34	
01 22 23 00-0670	WK	24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	58.36	
01 22 23 00-0671	MO	24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	175.07	
For >6 Months (>26 Weeks) , Deduct			-7.00	
01 22 23 00-0672	Day	40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	38.93	
01 22 23 00-0673	WK	40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	97.33	
01 22 23 00-0674	MO	40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	291.98	
For >6 Months (>26 Weeks) , Deduct			-11.68	
01 22 23 00-0675	Day	40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™)	41.50	
01 22 23 00-0676	WK	40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™)	103.75	
01 22 23 00-0677	MO	40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™)	311.24	
For >6 Months (>26 Weeks) , Deduct			-12.45	

01 22 23 00-0678 Electrical Equipment (01 22 23)

01 22 23 00-0679 Tripod Mounted Floodlights (01 22 23 00-0678)

Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-0680	DAY	500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	72.21	
01 22 23 00-0681	WK	500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	170.85	
01 22 23 00-0682	MO	500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	361.07	
For >6 Months (>26 Weeks) , Deduct			-14.44	
01 22 23 00-0683	DAY	1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	72.21	
01 22 23 00-0684	WK	1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	211.36	
01 22 23 00-0685	MO	1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	625.26	
For >6 Months (>26 Weeks) , Deduct			-25.01	
01 22 23 00-0686	DAY	2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	81.02	
01 22 23 00-0687	WK	2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	220.16	
01 22 23 00-0688	MO	2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	537.20	
For >6 Months (>26 Weeks) , Deduct			-21.49	

01 22 23 00-0689 Trailer Mounted Floodlights (01 22 23 00-0678)

Note: Includes delivery to job site and pick-up when complete. Excludes operator.

01 22 23 00-0690	DAY	4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower	202.55	
01 22 23 00-0691	WK	4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower	449.13	
01 22 23 00-0692	MO	4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower	968.72	
For >6 Months (>26 Weeks) , Deduct			-38.75	

01 22 23 00-0693 Generator Sets (01 22 23 00-0678)

01 22 23 00-0694 Portable, Gas Powered Generator Sets (01 22 23 00-0693)

Note: With 24 hour day-tank. Includes delivery to job site and pick-up when complete. Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0846 for reimbursable fuel fees.

01 22 23 00-0695	DAY	3.6 KW, 8 HP Gas Powered Generator Set	56.64	
Note: Fuel consumption: 100% load – 0.54 gallons per hour				
For LP Or NG Gas, Add			7.08	
For >160 To 320 Hours Usage Per Month, Add			28.32	
01 22 23 00-0696	WK	3.6 KW, 8 HP Gas Powered Generator Set	204.15	
Note: Fuel consumption: 100% load – 0.54 gallons per hour				
For LP Or NG Gas, Add			25.52	
01 22 23 00-0697	MO	3.6 KW, 8 HP Gas Powered Generator Set	566.35	
Note: Fuel consumption: 100% load – 0.54 gallons per hour				
For LP Or NG Gas, Add			70.79	
For >6 Months (>26 Weeks) , Deduct			-22.65	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0698	DAY	5 KW, 11 HP Gas Powered Generator Set..... Note: Fuel consumption: 100% load – 0.75 gallons per hour	80.34	
		For LP Or NG Gas, Add	10.04	
01 22 23 00-0699	WK	5 KW, 11 HP Gas Powered Generator Set..... Note: Fuel consumption: 100% load – 0.75 gallons per hour	256.83	
		For LP Or NG Gas, Add	32.10	
01 22 23 00-0700	MO	5 KW, 11 HP Gas Powered Generator Set..... Note: Fuel consumption: 100% load – 0.75 gallons per hour	586.11	
		For LP Or NG Gas, Add	73.26	
		For >6 Months (>26 Weeks) , Deduct	-23.44	
01 22 23 00-0701	DAY	6.5 KW, 13 HP Gas Powered Generator Set..... Note: Fuel consumption: 100% load – 0.975 gallons per hour	102.73	
		For LP Or NG Gas, Add	12.84	
01 22 23 00-0702	WK	6.5 KW, 13 HP Gas Powered Generator Set..... Note: Fuel consumption: 100% load – 0.975 gallons per hour	276.59	
		For LP Or NG Gas, Add	34.57	
01 22 23 00-0703	MO	6.5 KW, 13 HP Gas Powered Generator Set..... Note: Fuel consumption: 100% load – 0.975 gallons per hour	763.92	
		For LP Or NG Gas, Add	95.49	
		For >6 Months (>26 Weeks) , Deduct	-30.56	
01 22 23 00-0704	DAY	10 KW, 18 HP Gas Powered Generator Set..... Note: Fuel consumption: 100% load – 1.5 gallons per hour	114.59	
		For LP Or NG Gas, Add	14.32	
01 22 23 00-0705	WK	10 KW, 18 HP Gas Powered Generator Set..... Note: Fuel consumption: 100% load – 1.5 gallons per hour	309.52	
		For LP Or NG Gas, Add	38.69	
01 22 23 00-0706	MO	10 KW, 18 HP Gas Powered Generator Set..... Note: Fuel consumption: 100% load – 1.5 gallons per hour	889.04	
		For LP Or NG Gas, Add	111.13	
		For >6 Months (>26 Weeks) , Deduct	-35.56	
01 22 23 00-0707		Towable, Diesel Powered Generator Sets (01 22 23 00-0693) Note: Includes 24 hour day-tank on sizes up to 180KW, 40 hour day-tank for sizes greater than 180KW To 300 KW and 1000 gallon for sizes greater than 300KW. Multi-voltage transformer unless stated otherwise, trailer mounted including sound attenuation and control panel. Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0846 for reimbursable fuel fees.		
01 22 23 00-0708	DAY	20 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 1.6 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 0.9 gallons per hour.	235.76	
		For >8 To 16 Hours Usage Per Day, Add	117.88	
		For >16 To 24 Hours Usage Per Day, Add	235.76	
01 22 23 00-0709	WK	20 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 1.6 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 0.9 gallons per hour.	616.40	
		For >40 To 80 Hours Usage Per Week, Add	308.20	
		For >80 Hours Usage Per Week, Add	616.40	
01 22 23 00-0710	MO	20 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 1.6 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 0.9 gallons per hour.	1,679.30	
		For >160 To 320 Hours Usage Per Month, Add	839.65	
		For >320 Hours Usage Per Month, Add	1,679.30	
		For >6 Months (>26 Weeks) , Deduct	-67.17	
01 22 23 00-0711	DAY	30 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 2.9 gallons per hour, 75% load - 2.4 gallons per hour, 50% load - 1.8 gallons per hour.	387.31	
		For >8 To 16 Hours Usage Per Day, Add	193.66	
		For >16 To 24 Hours Usage Per Day, Add	387.31	
01 22 23 00-0712	WK	30 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 2.9 gallons per hour, 75% load - 2.4 gallons per hour, 50% load - 1.8 gallons per hour.	1,149.45	
		For >40 To 80 Hours Usage Per Week, Add	574.73	
		For >80 Hours Usage Per Week, Add	1,149.45	
01 22 23 00-0713	MO	30 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 2.9 gallons per hour, 75% load - 2.4 gallons per hour, 50% load - 1.8 gallons per hour.	2,373.86	
		For >160 To 320 Hours Usage Per Month, Add	1,186.93	
		For >320 Hours Usage Per Month, Add	2,373.86	
		For >6 Months (>26 Weeks) , Deduct	-94.95	
01 22 23 00-0714	DAY	40.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 4.0 gallons per hour, 75% load - 3.2 gallons per hour, 50% load - 2.3 gallons per hour.	424.80	
		For >8 To 16 Hours Usage Per Day, Add	212.40	
		For >16 To 24 Hours Usage Per Day, Add	424.80	
01 22 23 00-0715	WK	40.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 4.0 gallons per hour, 75% load - 3.2 gallons per hour, 50% load - 2.3 gallons per hour.	1,186.93	
		For >40 To 80 Hours Usage Per Week, Add	593.47	
		For >80 Hours Usage Per Week, Add	1,186.93	
01 22 23 00-0716	MO	40.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 4.0 gallons per hour, 75% load - 3.2 gallons per hour, 50% load - 2.3 gallons per hour.	2,623.74	
		For >160 To 320 Hours Usage Per Month, Add	1,311.87	
		For >320 Hours Usage Per Month, Add	2,623.74	
		For >6 Months (>26 Weeks) , Deduct	-104.95	
01 22 23 00-0717	DAY	55.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 4.8 gallons per hour, 75% load - 3.8 gallons per hour, 50% load - 2.9 gallons per hour.	456.03	
		For >8 To 16 Hours Usage Per Day, Add	228.02	
		For >16 To 24 Hours Usage Per Day, Add	456.03	

01 General Requirements
01 20 Price and Payment Procedures
01 22 Unit Prices

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
01 22 23 00-0718	WK 55.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,249.40		
	Note: Fuel consumption: 100% load - 4.8 gallons per hour, 75% load - 3.8 gallons per hour, 50% load - 2.9 gallons per hour.			
	For >40 To 80 Hours Usage Per Week, Add	624.70		
	For >80 Hours Usage Per Week, Add	1,249.40		
01 22 23 00-0719	MO 55.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	2,998.56		
	Note: Fuel consumption: 100% load - 4.8 gallons per hour, 75% load - 3.8 gallons per hour, 50% load - 2.9 gallons per hour.			
	For >160 To 320 Hours Usage Per Month, Add	1,499.28		
	For >320 Hours Usage Per Month, Add	2,998.56		
	For >6 Months (>26 Weeks) , Deduct	-119.94		
01 22 23 00-0720	DAY 70.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	499.76		
	Note: Fuel consumption: 100% load - 5.7 gallons per hour, 75% load - 4.3 gallons per hour, 50% load - 3.2 gallons per hour.			
	For >8 To 16 Hours Usage Per Day, Add	249.88		
	For >16 To 24 Hours Usage Per Day, Add	499.76		
01 22 23 00-0721	WK 70.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,418.07		
	Note: Fuel consumption: 100% load - 5.7 gallons per hour, 75% load - 4.3 gallons per hour, 50% load - 3.2 gallons per hour.			
	For >40 To 80 Hours Usage Per Week, Add	709.04		
	For >80 Hours Usage Per Week, Add	1,418.07		
01 22 23 00-0722	MO 70.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	3,373.38		
	Note: Fuel consumption: 100% load - 5.7 gallons per hour, 75% load - 4.3 gallons per hour, 50% load - 3.2 gallons per hour.			
	For >160 To 320 Hours Usage Per Month, Add	1,686.69		
	For >320 Hours Usage Per Month, Add	3,373.38		
	For >6 Months (>26 Weeks) , Deduct	-134.94		
01 22 23 00-0723	DAY 80.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	562.23		
	Note: Fuel consumption: 100% load - 6.5 gallons per hour, 75% load - 4.9 gallons per hour, 50% load - 3.6 gallons per hour.			
	For >8 To 16 Hours Usage Per Day, Add	281.12		
	For >16 To 24 Hours Usage Per Day, Add	562.23		
01 22 23 00-0724	WK 80.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,499.28		
	Note: Fuel consumption: 100% load - 6.5 gallons per hour, 75% load - 4.9 gallons per hour, 50% load - 3.6 gallons per hour.			
	For >40 To 80 Hours Usage Per Week, Add	749.64		
	For >80 Hours Usage Per Week, Add	1,499.28		
01 22 23 00-0725	MO 80.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	3,748.20		
	Note: Fuel consumption: 100% load - 6.5 gallons per hour, 75% load - 4.9 gallons per hour, 50% load - 3.6 gallons per hour.			
	For >160 To 320 Hours Usage Per Month, Add	1,874.10		
	For >320 Hours Usage Per Month, Add	3,748.20		
	For >6 Months (>26 Weeks) , Deduct	-149.93		
01 22 23 00-0726	DAY 100.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	580.97		
	Note: Fuel consumption: 100% load - 7.4 gallons per hour, 75% load - 5.8 gallons per hour, 50% load - 4.1 gallons per hour.			
	For >8 To 16 Hours Usage Per Day, Add	290.49		
	For >16 To 24 Hours Usage Per Day, Add	580.97		
01 22 23 00-0727	WK 100.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,561.75		
	Note: Fuel consumption: 100% load - 7.4 gallons per hour, 75% load - 5.8 gallons per hour, 50% load - 4.1 gallons per hour.			
	For >40 To 80 Hours Usage Per Week, Add	780.88		
	For >80 Hours Usage Per Week, Add	1,561.75		
01 22 23 00-0728	MO 100.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	4,247.96		
	Note: Fuel consumption: 100% load - 7.4 gallons per hour, 75% load - 5.8 gallons per hour, 50% load - 4.1 gallons per hour.			
	For >160 To 320 Hours Usage Per Month, Add	2,123.98		
	For >320 Hours Usage Per Month, Add	4,247.96		
	For >6 Months (>26 Weeks) , Deduct	-169.92		
01 22 23 00-0729	DAY 120.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	655.94		
	Note: Fuel consumption: 100% load - 8.7 gallons per hour, 75% load - 6.8 gallons per hour, 50% load - 4.8 gallons per hour.			
	For >8 To 16 Hours Usage Per Day, Add	327.97		
	For >16 To 24 Hours Usage Per Day, Add	655.94		
01 22 23 00-0730	WK 120.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,811.63		
	Note: Fuel consumption: 100% load - 8.7 gallons per hour, 75% load - 6.8 gallons per hour, 50% load - 4.8 gallons per hour.			
	For >40 To 80 Hours Usage Per Week, Add	905.82		
	For >80 Hours Usage Per Week, Add	1,811.63		
01 22 23 00-0731	MO 120.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	4,872.66		
	Note: Fuel consumption: 100% load - 8.7 gallons per hour, 75% load - 6.8 gallons per hour, 50% load - 4.8 gallons per hour.			
	For >160 To 320 Hours Usage Per Month, Add	2,436.33		
	For >320 Hours Usage Per Month, Add	4,872.66		
	For >6 Months (>26 Weeks) , Deduct	-194.91		
01 22 23 00-0732	DAY 140.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	687.17		
	Note: Fuel consumption: 100% load - 10.2 gallons per hour, 75% load - 7.9 gallons per hour, 50% load - 5.6 gallons per hour.			
	For >8 To 16 Hours Usage Per Day, Add	343.59		
	For >16 To 24 Hours Usage Per Day, Add	687.17		
01 22 23 00-0733	WK 140.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,905.34		
	Note: Fuel consumption: 100% load - 10.2 gallons per hour, 75% load - 7.9 gallons per hour, 50% load - 5.6 gallons per hour.			
	For >40 To 80 Hours Usage Per Week, Add	952.67		
	For >80 Hours Usage Per Week, Add	1,905.34		
01 22 23 00-0734	MO 140.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	5,372.42		
	Note: Fuel consumption: 100% load - 10.2 gallons per hour, 75% load - 7.9 gallons per hour, 50% load - 5.6 gallons per hour.			
	For >160 To 320 Hours Usage Per Month, Add	2,686.21		
	For >320 Hours Usage Per Month, Add	5,372.42		
	For >6 Months (>26 Weeks) , Deduct	-214.90		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0735	DAY		150.0 KW, 60 Hertz Towable Diesel Powered Generator Set .....718.40 Note: Fuel consumption: 100% load - 10.9 gallons per hour, 75% load - 8.4 gallons per hour, 50% load - 5.9 gallons per hour. For >8 To 16 Hours Usage Per Day, Add .....359.20 For >16 To 24 Hours Usage Per Day, Add .....718.40		
01 22 23 00-0736	WK		150.0 KW, 60 Hertz Towable Diesel Powered Generator Set .....2,061.51 Note: Fuel consumption: 100% load - 10.9 gallons per hour, 75% load - 8.4 gallons per hour, 50% load - 5.9 gallons per hour. For >40 To 80 Hours Usage Per Week, Add .....1,030.76 For >80 Hours Usage Per Week, Add .....2,061.51		
01 22 23 00-0737	MO		150.0 KW, 60 Hertz Towable Diesel Powered Generator Set .....5,622.30 Note: Fuel consumption: 100% load - 10.9 gallons per hour, 75% load - 8.4 gallons per hour, 50% load - 5.9 gallons per hour. For >160 To 320 Hours Usage Per Month, Add .....2,811.15 For >320 Hours Usage Per Month, Add .....5,622.30 For >6 Months (>26 Weeks) , Deduct .....-224.89		
01 22 23 00-0738	DAY		160.0 KW, 60 Hertz Towable Diesel Powered Generator Set .....749.64 Note: Fuel consumption: 100% load - 11.6 gallons per hour, 75% load - 8.9 gallons per hour, 50% load - 6.2 gallons per hour. For >8 To 16 Hours Usage Per Day, Add .....374.82 For >16 To 24 Hours Usage Per Day, Add .....749.64		
01 22 23 00-0739	WK		160.0 KW, 60 Hertz Towable Diesel Powered Generator Set .....2,186.45 Note: Fuel consumption: 100% load - 11.6 gallons per hour, 75% load - 8.9 gallons per hour, 50% load - 6.2 gallons per hour. For >40 To 80 Hours Usage Per Week, Add .....1,093.23 For >80 Hours Usage Per Week, Add .....2,186.45		
01 22 23 00-0740	MO		160.0 KW, 60 Hertz Towable Diesel Powered Generator Set .....5,872.18 Note: Fuel consumption: 100% load - 11.6 gallons per hour, 75% load - 8.9 gallons per hour, 50% load - 6.2 gallons per hour. For >160 To 320 Hours Usage Per Month, Add .....2,936.09 For >320 Hours Usage Per Month, Add .....5,872.18 For >6 Months (>26 Weeks) , Deduct .....-234.89		
01 22 23 00-0741	DAY		175.0 KW, 60 Hertz Towable Diesel Powered Generator Set .....749.64 Note: Fuel consumption: 100% load - 12.7 gallons per hour, 75% load - 9.7 gallons per hour, 50% load - 6.8 gallons per hour. For >8 To 16 Hours Usage Per Day, Add .....374.82 For >16 To 24 Hours Usage Per Day, Add .....749.64		
01 22 23 00-0742	WK		175.0 KW, 60 Hertz Towable Diesel Powered Generator Set .....2,186.45 Note: Fuel consumption: 100% load - 12.7 gallons per hour, 75% load - 9.7 gallons per hour, 50% load - 6.8 gallons per hour. For >40 To 80 Hours Usage Per Week, Add .....1,093.23 For >80 Hours Usage Per Week, Add .....2,186.45		
01 22 23 00-0743	MO		175.0 KW, 60 Hertz Towable Diesel Powered Generator Set .....5,872.18 Note: Fuel consumption: 100% load - 12.7 gallons per hour, 75% load - 9.7 gallons per hour, 50% load - 6.8 gallons per hour. For >160 To 320 Hours Usage Per Month, Add .....2,936.09 For >320 Hours Usage Per Month, Add .....5,872.18 For >6 Months (>26 Weeks) , Deduct .....-234.89		
01 22 23 00-0744	DAY		200.0 KW, 60 Hertz Towable Diesel Powered Generator Set .....1,030.76 Note: Fuel consumption: 100% load - 14.4 gallons per hour, 75% load - 11.0 gallons per hour, 50% load - 7.7 gallons per hour. For >8 To 16 Hours Usage Per Day, Add .....515.38 For >16 To 24 Hours Usage Per Day, Add .....1,030.76		
01 22 23 00-0745	WK		200.0 KW, 60 Hertz Towable Diesel Powered Generator Set .....2,561.27 Note: Fuel consumption: 100% load - 14.4 gallons per hour, 75% load - 11.0 gallons per hour, 50% load - 7.7 gallons per hour. For >40 To 80 Hours Usage Per Week, Add .....1,280.64 For >80 Hours Usage Per Week, Add .....2,561.27		
01 22 23 00-0746	MO		200.0 KW, 60 Hertz Towable Diesel Powered Generator Set .....7,496.40 Note: Fuel consumption: 100% load - 14.4 gallons per hour, 75% load - 11.0 gallons per hour, 50% load - 7.7 gallons per hour. For >160 To 320 Hours Usage Per Month, Add .....3,748.20 For >320 Hours Usage Per Month, Add .....7,496.40 For >6 Months (>26 Weeks) , Deduct .....-299.86		
01 22 23 00-0747	DAY		250.0 KW, 60 Hertz Towable Diesel Powered Generator Set .....1,093.22 Note: Fuel consumption: 100% load - 19.8 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.6 gallons per hour. For >8 To 16 Hours Usage Per Day, Add .....546.61 For >16 To 24 Hours Usage Per Day, Add .....1,093.22		
01 22 23 00-0748	WK		250.0 KW, 60 Hertz Towable Diesel Powered Generator Set .....2,623.74 Note: Fuel consumption: 100% load - 19.8 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.6 gallons per hour. For >40 To 80 Hours Usage Per Week, Add .....1,311.87 For >80 Hours Usage Per Week, Add .....2,623.74		
01 22 23 00-0749	MO		250.0 KW, 60 Hertz Towable Diesel Powered Generator Set .....7,746.28 Note: Fuel consumption: 100% load - 19.8 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.6 gallons per hour. For >160 To 320 Hours Usage Per Month, Add .....3,873.14 For >320 Hours Usage Per Month, Add .....7,746.28 For >6 Months (>26 Weeks) , Deduct .....-309.85		
01 22 23 00-0750	DAY		275.0 KW, 60 Hertz Towable Diesel Powered Generator Set .....1,155.70 Note: Fuel consumption: 100% load - 18.0 gallons per hour, 75% load - 13.6 gallons per hour, 50% load - 9.5 gallons per hour. For >8 To 16 Hours Usage Per Day, Add .....577.85 For >16 To 24 Hours Usage Per Day, Add .....1,155.70		
01 22 23 00-0751	WK		275.0 KW, 60 Hertz Towable Diesel Powered Generator Set .....2,686.21 Note: Fuel consumption: 100% load - 18.0 gallons per hour, 75% load - 13.6 gallons per hour, 50% load - 9.5 gallons per hour. For >40 To 80 Hours Usage Per Week, Add .....1,343.11 For >80 Hours Usage Per Week, Add .....2,686.21		

01 General Requirements
01 20 Price and Payment Procedures
01 22 Unit Prices

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

01 22 23 00-0752	MO	275.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	7,996.16	
		Note: Fuel consumption: 100% load - 18.0 gallons per hour, 75% load - 13.6 gallons per hour, 50% load - 9.5 gallons per hour.		
		For >160 To 320 Hours Usage Per Month, Add	3,998.08	
		For >320 Hours Usage Per Month, Add	7,996.16	
		For >6 Months (>26 Weeks) , Deduct	-319.85	
01 22 23 00-0753	DAY	300.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,193.18	
		Note: Fuel consumption: 100% load - 21.5 gallons per hour, 75% load - 16.1 gallons per hour, 50% load - 11.3 gallons per hour.		
		For >8 To 16 Hours Usage Per Day, Add	596.59	
		For >16 To 24 Hours Usage Per Day, Add	1,193.18	
01 22 23 00-0754	WK	300.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	2,873.62	
		Note: Fuel consumption: 100% load - 21.5 gallons per hour, 75% load - 16.1 gallons per hour, 50% load - 11.3 gallons per hour.		
		For >40 To 80 Hours Usage Per Week, Add	1,436.81	
		For >80 Hours Usage Per Week, Add	2,873.62	
01 22 23 00-0755	MO	300.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	8,495.92	
		Note: Fuel consumption: 100% load - 21.5 gallons per hour, 75% load - 16.1 gallons per hour, 50% load - 11.3 gallons per hour.		
		For >160 To 320 Hours Usage Per Month, Add	4,247.96	
		For >320 Hours Usage Per Month, Add	8,495.92	
		For >6 Months (>26 Weeks) , Deduct	-339.84	
01 22 23 00-0756	DAY	350.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,249.40	
		Note: Fuel consumption: 100% load - 25.1 gallons per hour, 75% load - 18.7 gallons per hour, 50% load - 13.1 gallons per hour.		
		For >8 To 16 Hours Usage Per Day, Add	624.70	
		For >16 To 24 Hours Usage Per Day, Add	1,249.40	
01 22 23 00-0757	WK	350.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	3,248.44	
		Note: Fuel consumption: 100% load - 25.1 gallons per hour, 75% load - 18.7 gallons per hour, 50% load - 13.1 gallons per hour.		
		For >40 To 80 Hours Usage Per Week, Add	1,624.22	
		For >80 Hours Usage Per Week, Add	3,248.44	
01 22 23 00-0758	MO	350.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	9,370.50	
		Note: Fuel consumption: 100% load - 25.1 gallons per hour, 75% load - 18.7 gallons per hour, 50% load - 13.1 gallons per hour.		
		For >160 To 320 Hours Usage Per Month, Add	4,685.25	
		For >320 Hours Usage Per Month, Add	9,370.50	
		For >6 Months (>26 Weeks) , Deduct	-374.82	
01 22 23 00-0759	DAY	400.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	2,304.20	
		Note: Fuel consumption: 100% load - 28.6 gallons per hour, 75% load - 21.3 gallons per hour, 50% load - 14.9 gallons per hour.		
		For >8 To 16 Hours Usage Per Day, Add	1,152.10	
		For >16 To 24 Hours Usage Per Day, Add	2,304.20	
01 22 23 00-0760	WK	400.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	5,957.44	
		Note: Fuel consumption: 100% load - 28.6 gallons per hour, 75% load - 21.3 gallons per hour, 50% load - 14.9 gallons per hour.		
		For >40 To 80 Hours Usage Per Week, Add	2,978.72	
		For >80 Hours Usage Per Week, Add	5,957.44	
01 22 23 00-0761	MO	400.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	15,755.20	
		Note: Fuel consumption: 100% load - 28.6 gallons per hour, 75% load - 21.3 gallons per hour, 50% load - 14.9 gallons per hour.		
		For >160 To 320 Hours Usage Per Month, Add	7,877.60	
		For >320 Hours Usage Per Month, Add	15,755.20	
		For >6 Months (>26 Weeks) , Deduct	-630.21	
01 22 23 00-0762	DAY	500.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	2,954.10	
		Note: Fuel consumption: 100% load - 35.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 18.5 gallons per hour.		
		For >8 To 16 Hours Usage Per Day, Add	1,477.05	
		For >16 To 24 Hours Usage Per Day, Add	2,954.10	
01 22 23 00-0763	WK	500.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	7,680.66	
		Note: Fuel consumption: 100% load - 35.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 18.5 gallons per hour.		
		For >40 To 80 Hours Usage Per Week, Add	3,840.33	
		For >80 Hours Usage Per Week, Add	7,680.66	
01 22 23 00-0764	MO	500.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	17,724.60	
		Note: Fuel consumption: 100% load - 35.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 18.5 gallons per hour.		
		For >160 To 320 Hours Usage Per Month, Add	8,862.30	
		For >320 Hours Usage Per Month, Add	17,724.60	
		For >6 Months (>26 Weeks) , Deduct	-708.98	
01 22 23 00-0765	DAY	640.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	3,653.24	
		Note: Fuel consumption: 100% load - 45.6 gallons per hour, 75% load - 33.5 gallons per hour, 50% load - 20.8 gallons per hour.		
		For >8 To 16 Hours Usage Per Day, Add	1,826.62	
		For >16 To 24 Hours Usage Per Day, Add	3,653.24	
01 22 23 00-0766	WK	640.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	9,650.06	
		Note: Fuel consumption: 100% load - 45.6 gallons per hour, 75% load - 33.5 gallons per hour, 50% load - 20.8 gallons per hour.		
		For >40 To 80 Hours Usage Per Week, Add	4,825.03	
		For >80 Hours Usage Per Week, Add	9,650.06	
01 22 23 00-0767	MO	640.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	23,632.80	
		Note: Fuel consumption: 100% load - 45.6 gallons per hour, 75% load - 33.5 gallons per hour, 50% load - 20.8 gallons per hour.		
		For >160 To 320 Hours Usage Per Month, Add	11,816.40	
		For >320 Hours Usage Per Month, Add	23,632.80	
		For >6 Months (>26 Weeks) , Deduct	-945.31	
01 22 23 00-0768	DAY	750.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	3,948.65	
		Note: Fuel consumption: 100% load - 53.4 gallons per hour, 75% load - 39.3 gallons per hour, 50% load - 24.4 gallons per hour.		
		For >8 To 16 Hours Usage Per Day, Add	1,974.33	
		For >16 To 24 Hours Usage Per Day, Add	3,948.65	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-0769	WK	750.0 KW, 60 Hertz Container Diesel Powered Generator Set9,098.63 Note: Fuel consumption: 100% load - 53.4 gallons per hour, 75% load - 39.3 gallons per hour, 50% load - 24.4 gallons per hour. For >40 To 80 Hours Usage Per Week, Add 4,549.32 For >80 Hours Usage Per Week, Add 9,098.63	
01 22 23 00-0770	MO	750.0 KW, 60 Hertz Container Diesel Powered Generator Set .....27,295.88 Note: Fuel consumption: 100% load - 53.4 gallons per hour, 75% load - 39.3 gallons per hour, 50% load - 24.4 gallons per hour. For >160 To 320 Hours Usage Per Month, Add 13,647.94 For >320 Hours Usage Per Month, Add 27,295.88 For >6 Months (>26 Weeks) , Deduct -1,091.84	
01 22 23 00-0771	DAY	1,000.0 KW, 60 Hertz Container Diesel Powered Generator Set.....4,480.38 Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 71.1 gallons per hour, 75% load - 52.1 gallons per hour, 50% load - 36.4 gallons per hour.	
01 22 23 00-0772	WK	1,000.0 KW, 60 Hertz Container Diesel Powered Generator Set.....11,708.08 Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 71.1 gallons per hour, 75% load - 52.1 gallons per hour, 50% load - 36.4 gallons per hour.	
01 22 23 00-0773	MO	1,000.0 KW, 60 Hertz Container Diesel Powered Generator Set.....32,071.68 Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 71.1 gallons per hour, 75% load - 52.1 gallons per hour, 50% load - 36.4 gallons per hour. For >6 Months (>26 Weeks) , Deduct -1,282.87	
01 22 23 00-0774	DAY	1,500.0 KW, 60 Hertz Container Diesel Powered Generator Set.....5,908.20 Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 106.5 gallons per hour, 75% load - 77.8 gallons per hour, 50% load - 54.3 gallons per hour.	
01 22 23 00-0775	WK	1,500.0 KW, 60 Hertz Container Diesel Powered Generator Set.....17,724.60 Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 106.5 gallons per hour, 75% load - 77.8 gallons per hour, 50% load - 54.3 gallons per hour.	
01 22 23 00-0776	MO	1,500.0 KW, 60 Hertz Container Diesel Powered Generator Set.....50,820.37 Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 106.5 gallons per hour, 75% load - 77.8 gallons per hour, 50% load - 54.3 gallons per hour. For >6 Months (>26 Weeks) , Deduct -2,032.81	
01 22 23 00-0777	DAY	2,000.0 KW, 60 Hertz Container Diesel Powered Generator Set.....7,788.98 Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 141.9 gallons per hour, 75% load - 103.5 gallons per hour, 50% load - 72.2 gallons per hour.	
01 22 23 00-0778	WK	2,000.0 KW, 60 Hertz Container Diesel Powered Generator Set.....19,477.37 Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 141.9 gallons per hour, 75% load - 103.5 gallons per hour, 50% load - 72.2 gallons per hour.	
01 22 23 00-0779	MO	2,000.0 KW, 60 Hertz Container Diesel Powered Generator Set.....53,173.80 Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 141.9 gallons per hour, 75% load - 103.5 gallons per hour, 50% load - 72.2 gallons per hour. For >6 Months (>26 Weeks) , Deduct -2,126.95	
01 22 23 00-0780	EA	Up To 300 KW Generator Set Delivery, Set-Up, Testing And Pick-up.....1,014.49	
01 22 23 00-0781	EA	350 To 750 KW Generator Set Delivery, Set-Up, Testing And Pick-up .....1,654.17	
01 22 23 00-0782	EA	1,000 To 2,000 KW Generator Set Delivery, Set-Up, Testing And Pick-up .....2,808.57	

01 22 23 00-0783 Generator Accessories (01 22 23 00-0693)
Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-0784 Step Down Transformer (01 22 23 00-0783)

01 22 23 00-0785	WK	75 KVA, 480-208 Volt, Step Down Transformer .....368.57	
01 22 23 00-0786	MO	75 KVA, 480-208 Volt, Step Down Transformer .....1,030.76 For >6 Months (>26 Weeks) , Deduct -41.23	
01 22 23 00-0787	WK	150 KVA, 480-208 Volt, Step Down Transformer .....590.97	
01 22 23 00-0788	MO	150 KVA, 480-208 Volt, Step Down Transformer .....1,771.65 For >6 Months (>26 Weeks) , Deduct -70.87	
01 22 23 00-0789	WK	225 KVA, 480-208 Volt, Step Down Transformer .....787.12	
01 22 23 00-0790	MO	225 KVA, 480-208 Volt, Step Down Transformer .....2,361.37 For >6 Months (>26 Weeks) , Deduct -94.45	
01 22 23 00-0791	WK	500 KVA, 480-208 Volt, Step Down Transformer .....937.05	
01 22 23 00-0792	MO	500 KVA, 480-208 Volt, Step Down Transformer .....2,811.15 For >6 Months (>26 Weeks) , Deduct -112.45	
01 22 23 00-0793	WK	1,000 KVA, 4,160/480 Volt, Step Down Transformer.....1,399.33	
01 22 23 00-0794	MO	1,000 KVA, 4,160/480 Volt, Step Down Transformer.....4,179.24 For >6 Months (>26 Weeks) , Deduct -167.17	
01 22 23 00-0795	WK	1,500 KVA, 4,160/480 Volt, Step Down Transformer.....2,273.91	
01 22 23 00-0796	MO	1,500 KVA, 4,160/480 Volt, Step Down Transformer.....6,815.48 For >6 Months (>26 Weeks) , Deduct -272.62	
01 22 23 00-0797	WK	2,500 KVA, 480-13,800/4,160 Volt, Step Down Transformer .....2,623.74	
01 22 23 00-0798	MO	2,500 KVA, 480-13,800/4,160 Volt, Step Down Transformer .....7,871.22 For >6 Months (>26 Weeks) , Deduct -314.85	

01 22 23 00-0799 Portable Panel (01 22 23 00-0783)

01 22 23 00-0800	WK	100 Amperes, Portable Panel.....293.61	
01 22 23 00-0801	MO	100 Amperes, Portable Panel.....749.64 For >6 Months (>26 Weeks) , Deduct -29.99	
01 22 23 00-0802	WK	200 Amperes, Portable Panel.....351.08	
01 22 23 00-0803	MO	200 Amperes, Portable Panel.....937.05 For >6 Months (>26 Weeks) , Deduct -37.48	
01 22 23 00-0804	WK	400 Amperes, Portable Panel.....374.82	
01 22 23 00-0805	MO	400 Amperes, Portable Panel.....1,124.46 For >6 Months (>26 Weeks) , Deduct -44.98	

01 22 23 00-0806 Portable Fusible Disconnect (01 22 23 00-0783)

01 22 23 00-0807	WK	100 - 200 Amperes, Portable Fusible Disconnect.....131.19	
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01	General Requirements
01 20	Price and Payment Procedures
01 22	Unit Prices

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
01 22 23 00-0808	MO	100 - 200 Amperes, Portable Fusible Disconnect.....	393.56	
		For >6 Months (>26 Weeks) , Deduct	-15.74	
01 22 23 00-0809	WK	300 - 400 Amperes, Portable Fusible Disconnect.....	262.37	
01 22 23 00-0810	MO	300 - 400 Amperes, Portable Fusible Disconnect.....	787.12	
		For >6 Months (>26 Weeks) , Deduct	-31.48	
01 22 23 00-0811 Portable Transfer Switch (01 22 23 00-0783)				
01 22 23 00-0812	WK	100 Amperes, 480 Volt, Portable Transfer Switch	393.56	
01 22 23 00-0813	MO	100 Amperes, 480 Volt, Portable Transfer Switch	1,180.68	
		For >6 Months (>26 Weeks) , Deduct	-47.23	
01 22 23 00-0814	WK	200 Amperes, 480 Volt, Portable Transfer Switch	524.75	
01 22 23 00-0815	MO	200 Amperes, 480 Volt, Portable Transfer Switch	1,574.24	
		For >6 Months (>26 Weeks) , Deduct	-62.97	
01 22 23 00-0816	WK	400 Amperes, 480 Volt, Portable Transfer Switch	655.94	
01 22 23 00-0817	MO	400 Amperes, 480 Volt, Portable Transfer Switch	1,967.80	
		For >6 Months (>26 Weeks) , Deduct	-78.71	
01 22 23 00-0818 Cabling For Generator Sets (01 22 23 00-0693)				
		Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0819	DAY	#1 Banded Cable, 50' With Camlock Ends For Generator Set.....	27.49	
01 22 23 00-0820	WK	#1 Banded Cable, 50' With Camlock Ends For Generator Set.....	48.10	
01 22 23 00-0821	MO	#1 Banded Cable, 50' With Camlock Ends For Generator Set.....	144.31	
		For >6 Months (>26 Weeks) , Deduct	-5.77	
01 22 23 00-0822	DAY	50', 4/0 Cable With Camlock Ends For Generator Set.....	13.74	
01 22 23 00-0823	WK	50', 4/0 Cable With Camlock Ends For Generator Set.....	39.98	
01 22 23 00-0824	MO	50', 4/0 Cable With Camlock Ends For Generator Set.....	111.20	
		For >6 Months (>26 Weeks) , Deduct	-4.45	
01 22 23 00-0825 Resistive Loadbanks For Generator Sets (01 22 23 00-0693)				
		Note: Includes delivery to job site and pick-up when complete. See CSI section 01 22 23 00-0846 for reimbursable fuel fees.		
01 22 23 00-0826	DAY	100 KW A/C Resistive Loadbank.....	371.52	
01 22 23 00-0827	WK	100 KW A/C Resistive Loadbank.....	706.62	
01 22 23 00-0828	MO	100 KW A/C Resistive Loadbank.....	1,930.46	
		For >6 Months (>26 Weeks) , Deduct	-77.22	
01 22 23 00-0829	DAY	650 KW A/C Resistive Loadbank.....	767.22	
01 22 23 00-0830	WK	650 KW A/C Resistive Loadbank.....	2,051.74	
01 22 23 00-0831	MO	650 KW A/C Resistive Loadbank.....	5,231.06	
		For >6 Months (>26 Weeks) , Deduct	-209.24	
01 22 23 00-0832 Sub-Distribution Panels (Spider Box) For Generator Sets (01 22 23 00-0693)				
		Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0833	DAY	50 Amperes, 240 Volt, Single Phase, Sub-Distribution Panel (Spider Box).....	67.47	
01 22 23 00-0834	WK	50 Amperes, 240 Volt, Single Phase, Sub-Distribution Panel (Spider Box).....	174.92	
01 22 23 00-0835	MO	50 Amperes, 240 Volt, Single Phase, Sub-Distribution Panel (Spider Box).....	493.51	
		For >6 Months (>26 Weeks) , Deduct	-19.74	
01 22 23 00-0836 Portable Distribution Panels For Generator Sets (01 22 23 00-0693)				
		Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0837	DAY	200 Amperes, 208 Volt, 3 Phase, Portable Spider Box Feeder Panel.....	149.93	
01 22 23 00-0838	WK	200 Amperes, 208 Volt, 3 Phase, Portable Spider Box Feeder Panel.....	406.06	
01 22 23 00-0839	MO	200 Amperes, 208 Volt, 3 Phase, Portable Spider Box Feeder Panel.....	1,136.95	
		For >6 Months (>26 Weeks) , Deduct	-45.48	
01 22 23 00-0840	DAY	100 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel.....	122.44	
01 22 23 00-0841	WK	100 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel.....	318.60	
01 22 23 00-0842	MO	100 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel.....	905.82	
		For >6 Months (>26 Weeks) , Deduct	-36.23	
01 22 23 00-0843	DAY	200 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel.....	156.18	
01 22 23 00-0844	WK	200 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel.....	393.56	
01 22 23 00-0845	MO	200 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel.....	1,068.24	
		For >6 Months (>26 Weeks) , Deduct	-42.73	
01 22 23 00-0846 Fuel Reimbursement For Generators (01 22 23 00-0693)				
01 22 23 00-0847	EA	Fuel Reimbursement For Generators	1.00	
		Note: Purchases made by the contractor for fuel will be reimbursed to the Contractor at the actual cost of the purchase, without mark-up, for which a receipt or bill is received. The Adjustment Factor applied to Reimbursable Fees will be 1.0000. The base cost of the purchase is \$1.00, quantity will adjust cost to actual purchase cost; i.e., quantity of 125 = \$125.00 purchase. If there are multiple purchases, each one shall be listed separately with a comment in the "note" block to identify the purchase.		
01 22 23 00-0848 Portable Floor Drying Fans (01 22 23 00-0678)				
		Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
01 22 23 00-0849	DAY	2,250 CFM Portable Floor Drying Fan	22.61	
01 22 23 00-0850	WK	2,250 CFM Portable Floor Drying Fan	104.58	
01 22 23 00-0851	MO	2,250 CFM Portable Floor Drying Fan	346.23	
		For >6 Months (>26 Weeks) , Deduct	-13.85	
01 22 23 00-0852 Welding Machines (01 22 23 00-0678)				
		Note: Includes delivery to job site and pick-up when complete. Excludes operator.		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-0853	CC/CV Inverter Welder (01 22 23 00-0852)	
Note: Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0846 for reimbursable fuel fees.		
01 22 23 00-0854	DAY 250 Amperes, CC Inverter Welder.....	43.26
01 22 23 00-0855	WK 250 Amperes, CC Inverter Welder.....	94.24
01 22 23 00-0856	MO 250 Amperes, CC Inverter Welder.....	285.82
	For >6 Months (>26 Weeks) , Deduct	-11.43
01 22 23 00-0857	DAY 300 Amperes, CC/CV Inverter Welder.....	49.44
01 22 23 00-0858	WK 300 Amperes, CC/CV Inverter Welder.....	131.32
01 22 23 00-0859	MO 300 Amperes, CC/CV Inverter Welder.....	347.62
	For >6 Months (>26 Weeks) , Deduct	-13.90
01 22 23 00-0860	DAY 350 Amperes, CC/CV Inverter Welder.....	50.98
01 22 23 00-0861	WK 350 Amperes, CC/CV Inverter Welder.....	134.42
01 22 23 00-0862	MO 350 Amperes, CC/CV Inverter Welder.....	378.52
	For >6 Months (>26 Weeks) , Deduct	-15.14

01 22 23 00-0863	MIG Welder (01 22 23 00-0852)	
Note: Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0846 for reimbursable fuel fees.		
01 22 23 00-0864	DAY 115 Volt MIG Welder	74.16
01 22 23 00-0865	WK 115 Volt MIG Welder	193.12
01 22 23 00-0866	MO 115 Volt MIG Welder	525.30
	For >6 Months (>26 Weeks) , Deduct	-21.01

01 22 23 00-0867	Diesel Powered Towable Welding Machines (01 22 23 00-0852)	
Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
01 22 23 00-0868	DAY 250 To 299 Amperes, Diesel Powered Towable Welding Machine	139.05
01 22 23 00-0869	WK 250 To 299 Amperes, Diesel Powered Towable Welding Machine	339.90
01 22 23 00-0870	MO 250 To 299 Amperes, Diesel Powered Towable Welding Machine	811.12
	For >6 Months (>26 Weeks) , Deduct	-32.44
01 22 23 00-0871	DAY 300 To 349 Amperes, Diesel Powered Towable Welding Machine	185.40
01 22 23 00-0872	WK 300 To 349 Amperes, Diesel Powered Towable Welding Machine	363.08
01 22 23 00-0873	MO 300 To 349 Amperes, Diesel Powered Towable Welding Machine	848.20
	For >6 Months (>26 Weeks) , Deduct	-33.93
01 22 23 00-0874	DAY 350 To 399 Amperes, Diesel Powered Towable Welding Machine	193.12
01 22 23 00-0875	WK 350 To 399 Amperes, Diesel Powered Towable Welding Machine	386.25
01 22 23 00-0876	MO 350 To 399 Amperes, Diesel Powered Towable Welding Machine	942.45
	For >6 Months (>26 Weeks) , Deduct	-37.70

01 22 23 00-0877	General Equipment (01 22 23)	
01 22 23 00-0878	Pressure Washers (01 22 23 00-0877)	
Note: Includes delivery to job site, pick-up when complete and full time operator.		
01 22 23 00-0879	DAY 2,000 PSI Pressure Washer With Full-Time Operator	831.57
	For Equipment Without Operator, Deduct	-712.96
01 22 23 00-0880	WK 2,000 PSI Pressure Washer With Full-Time Operator	3,865.90
	For Equipment Without Operator, Deduct	-3,564.81
01 22 23 00-0881	MO 2,000 PSI Pressure Washer With Full-Time Operator	16,213.94
	For Equipment Without Operator, Deduct	-15,447.52
	For >6 Months (>26 Weeks) , Deduct	-30.66
01 22 23 00-0882	DAY 2,500 PSI Pressure Washer With Full-Time Operator	831.57
	For Equipment Without Operator, Deduct	-712.96
01 22 23 00-0883	WK 2,500 PSI Pressure Washer With Full-Time Operator	3,865.90
	For Equipment Without Operator, Deduct	-3,564.81
01 22 23 00-0884	MO 2,500 PSI Pressure Washer With Full-Time Operator	16,213.94
	For Equipment Without Operator, Deduct	-15,447.52
	For >6 Months (>26 Weeks) , Deduct	-30.66
01 22 23 00-0885	DAY 3,000 PSI Pressure Washer With Full-Time Operator	831.57
	For Equipment Without Operator, Deduct	-712.96
01 22 23 00-0886	WK 3,000 PSI Pressure Washer With Full-Time Operator	3,865.90
	For Equipment Without Operator, Deduct	-3,564.81
01 22 23 00-0887	MO 3,000 PSI Pressure Washer With Full-Time Operator	16,213.94
	For Equipment Without Operator, Deduct	-15,447.52
	For >6 Months (>26 Weeks) , Deduct	-30.66
01 22 23 00-0888	DAY 3,500 PSI Pressure Washer With Full-Time Operator	840.70
	For Equipment Without Operator, Deduct	-712.96
01 22 23 00-0889	WK 3,500 PSI Pressure Washer With Full-Time Operator	3,893.27
	For Equipment Without Operator, Deduct	-3,564.81
01 22 23 00-0890	MO 3,500 PSI Pressure Washer With Full-Time Operator	16,286.93
	For Equipment Without Operator, Deduct	-15,447.52
	For >6 Months (>26 Weeks) , Deduct	-33.58
01 22 23 00-0891	DAY 4,000 PSI Pressure Washer With Full-Time Operator	877.19
	For Equipment Without Operator, Deduct	-712.96
01 22 23 00-0892	WK 4,000 PSI Pressure Washer With Full-Time Operator	4,011.89
	For Equipment Without Operator, Deduct	-3,564.81
01 22 23 00-0893	MO 4,000 PSI Pressure Washer With Full-Time Operator	16,697.51
	For Equipment Without Operator, Deduct	-15,447.52
	For >6 Months (>26 Weeks) , Deduct	-50.00
01 22 23 00-0894	DAY 5,000 PSI Pressure Washer With Full-Time Operator	895.44
	For Equipment Without Operator, Deduct	-712.96
01 22 23 00-0895	WK 5,000 PSI Pressure Washer With Full-Time Operator	4,057.51
	For Equipment Without Operator, Deduct	-3,564.81
01 22 23 00-0896	MO 5,000 PSI Pressure Washer With Full-Time Operator	16,834.37
	For Equipment Without Operator, Deduct	-15,447.52
	For >6 Months (>26 Weeks) , Deduct	-55.47

01	General Requirements
01 20	Price and Payment Procedures
01 22	Unit Prices

MINOR	CSI	UOM	DESCRIPTION
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TOTAL DIRECT	DEMOLITION
UNIT COST	UNIT COST

01 22 23 00-0897	Jacks And Bracing (01 22 23 00-0877)		
	Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0898	Manual Hydraulic Jacks (01 22 23 00-0897)		
01 22 23 00-0899	DAY 12 Ton Manual Hydraulic Bottle Jack.....	1.67	
01 22 23 00-0900	WK 12 Ton Manual Hydraulic Bottle Jack.....	7.93	
01 22 23 00-0901	MO 12 Ton Manual Hydraulic Bottle Jack.....	28.50	
	For >6 Months (>26 Weeks) , Deduct	-1.14	
01 22 23 00-0902	DAY 20 Ton Manual Hydraulic Bottle Jack.....	2.92	
01 22 23 00-0903	WK 20 Ton Manual Hydraulic Bottle Jack.....	9.18	
01 22 23 00-0904	MO 20 Ton Manual Hydraulic Bottle Jack.....	34.76	
	For >6 Months (>26 Weeks) , Deduct	-1.39	
01 22 23 00-0905	DAY 50 Ton Manual Hydraulic Bottle Jack.....	10.43	
01 22 23 00-0906	WK 50 Ton Manual Hydraulic Bottle Jack.....	40.49	
01 22 23 00-0907	MO 50 Ton Manual Hydraulic Bottle Jack.....	145.66	
	For >6 Months (>26 Weeks) , Deduct	-5.83	
01 22 23 00-0908	DAY 100 Ton Manual Hydraulic Bottle Jack.....	14.61	
01 22 23 00-0909	WK 100 Ton Manual Hydraulic Bottle Jack.....	58.43	
01 22 23 00-0910	MO 100 Ton Manual Hydraulic Bottle Jack.....	210.46	
	For >6 Months (>26 Weeks) , Deduct	-8.42	
01 22 23 00-0911	Manual Screw Jacks (01 22 23 00-0897)		
01 22 23 00-0912	DAY 10 To 20 Ton Manual Screw Jack	19.16	
01 22 23 00-0913	WK 10 To 20 Ton Manual Screw Jack	50.71	
01 22 23 00-0914	MO 10 To 20 Ton Manual Screw Jack	152.12	
	For >6 Months (>26 Weeks) , Deduct	-6.08	
01 22 23 00-0915	Shores/Braces (01 22 23 00-0897)		
01 22 23 00-0916	MO Up To 5' Height, Adjustable Tubular Steel Shoring.....	15.78	
01 22 23 00-0917	MO Up To 10' Height, Adjustable Tubular Steel Shoring.....	20.28	
01 22 23 00-0918	MO >10' To 16' Height, Adjustable Tubular Steel Shoring.....	27.04	
01 22 23 00-0919	MO Up To 10' Height, Adjustable Wood Shoring.....	6.44	
01 22 23 00-0920	MO >10' To 16' Height, Adjustable Wood Shoring.....	8.58	
01 22 23 00-0921	EA Erect And Strip Shores To 10'.....	11.22	
	For >20 To 50, Deduct	-1.68	
	For >50 To 100, Deduct	-3.93	
	For >100, Deduct	-6.17	
01 22 23 00-0922	EA Erect And Strip Shores To 13'.....	13.46	
	For >20 To 50, Deduct	-2.02	
	For >50 To 100, Deduct	-4.71	
	For >100, Deduct	-7.40	
01 22 23 00-0923	EA Erect And Strip Shores To 16'.....	15.70	
	For >20 To 50, Deduct	-2.36	
	For >50 To 100, Deduct	-5.50	
	For >100, Deduct	-8.64	
01 22 23 00-0924	Confined Space Entry Equipment (01 22 23 00-0877)		
	Note: Includes delivery to job site, set-up, and pick-up when complete.		
01 22 23 00-0925	DAY Ventilation Equipment For Confined Space	51.24	
	Note: Includes electric or gas blower and ventilation duct up to 25'.		
01 22 23 00-0926	WK Ventilation Equipment For Confined Space	153.72	
	Note: Includes electric or gas blower and ventilation duct up to 25'.		
01 22 23 00-0927	MO Ventilation Equipment For Confined Space	458.72	
	Note: Includes electric or gas blower and ventilation duct up to 25'.		
	For >6 Months (>26 Weeks) , Deduct	-18.35	
01 22 23 00-0928	DAY Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly.....	66.13	
01 22 23 00-0929	WK Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly.....	198.38	
01 22 23 00-0930	MO Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly.....	595.14	
	For >6 Months (>26 Weeks) , Deduct	-23.81	
01 22 23 00-0931	DAY Confined Space Air Monitor Personnel.....	712.96	
	Note: Per person day.		
01 22 23 00-0932	High Volume Vacuums (01 22 23 00-0877)		
	Note: Includes delivery to job site, set-up, pick-up when complete and full time operator.		
01 22 23 00-0933	DAY 500 Gallon High Volume Vacuum With Full-Time Operator.....	1,545.22	
	For Equipment Without Operator, Deduct	-958.30	
01 22 23 00-0934	WK 500 Gallon High Volume Vacuum With Full-Time Operator.....	6,434.89	
	For Equipment Without Operator, Deduct	-4,791.50	
01 22 23 00-0935	MO 500 Gallon High Volume Vacuum With Full-Time Operator.....	26,397.67	
	For Equipment Without Operator, Deduct	-20,763.19	
	For >6 Months (>26 Weeks) , Deduct	-225.38	
01 22 23 00-0936	Portable Dehumidifiers (01 22 23 00-0877)		
	Note: Includes delivery to job site, set-up, and pick-up when complete. Excludes operator.		
01 22 23 00-0937	DAY 7.5 To 10 Gallons Per Day, Portable Dehumidifier	152.13	
01 22 23 00-0938	WK 7.5 To 10 Gallons Per Day, Portable Dehumidifier	488.99	
01 22 23 00-0939	MO 7.5 To 10 Gallons Per Day, Portable Dehumidifier	1,488.71	
	For >6 Months (>26 Weeks) , Deduct	-59.55	
01 22 23 00-0940	DAY 16 To 25 Gallons Per Day, Portable Dehumidifier	271.66	
01 22 23 00-0941	WK 16 To 25 Gallons Per Day, Portable Dehumidifier	814.99	
01 22 23 00-0942	MO 16 To 25 Gallons Per Day, Portable Dehumidifier	1,901.64	
	For >6 Months (>26 Weeks) , Deduct	-76.07	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-0943	Direct Fired Space Heaters (01 22 23 00-0877)	
	Note: Includes delivery to job site, set-up, and pick-up when complete. Excludes operator.	
01 22 23 00-0944	DAY 150,000 BTU/Hour Space Heater	79.69
01 22 23 00-0945	WK 150,000 BTU/Hour Space Heater	229.11
01 22 23 00-0946	MO 150,000 BTU/Hour Space Heater	647.50
	For >6 Months (>26 Weeks) , Deduct	-25.90
01 22 23 00-0947	DAY 500,000 BTU/Hour Space Heater	169.35
01 22 23 00-0948	WK 500,000 BTU/Hour Space Heater	418.38
01 22 23 00-0949	MO 500,000 BTU/Hour Space Heater	1,057.91
	For >6 Months (>26 Weeks) , Deduct	-42.32

01 22 23 00-0950	Mowers (01 22 23 00-0877)	
	Note: Includes delivery to job site and pick-up when complete. Excludes operator.	
01 22 23 00-0951	DAY 21" Walk Behind Lawn Mower	96.73
01 22 23 00-0952	WK 21" Walk Behind Lawn Mower	278.10
01 22 23 00-0953	MO 21" Walk Behind Lawn Mower	568.30
	For >6 Months (>26 Weeks) , Deduct	-22.73
01 22 23 00-0954	DAY 32" Walk Behind Lawn Mower	120.92
01 22 23 00-0955	WK 32" Walk Behind Lawn Mower	290.20
01 22 23 00-0956	MO 32" Walk Behind Lawn Mower	604.58
	For >6 Months (>26 Weeks) , Deduct	-24.18
01 22 23 00-0957	DAY 36" To 48" Walk Behind Deck Mower	217.65
01 22 23 00-0958	WK 36" To 48" Walk Behind Deck Mower	604.58
01 22 23 00-0959	MO 36" To 48" Walk Behind Deck Mower	1,753.27
	For >6 Months (>26 Weeks) , Deduct	-70.13
01 22 23 00-0960	DAY 61" To 72" Walk Behind Deck Mower	217.65
01 22 23 00-0961	WK 61" To 72" Walk Behind Deck Mower	604.58
01 22 23 00-0962	MO 61" To 72" Walk Behind Deck Mower	1,753.27
	For >6 Months (>26 Weeks) , Deduct	-70.13

01 22 23 00-0963	Trailer Mounted Brush Chipper (01 22 23 00-0877)	
	Note: Includes delivery to job site and pick-up when complete.	
01 22 23 00-0964	DAY 4" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up	187.47
01 22 23 00-0965	WK 4" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up	448.30
01 22 23 00-0966	MO 4" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up	1,377.52
	For >6 Months (>26 Weeks) , Deduct	-55.10
01 22 23 00-0967	DAY 6" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up	244.53
01 22 23 00-0968	WK 6" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up	551.01
01 22 23 00-0969	MO 6" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up	1,467.18
	For >6 Months (>26 Weeks) , Deduct	-58.69
01 22 23 00-0970	DAY 9" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up	456.46
01 22 23 00-0971	WK 9" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up	1,027.03
01 22 23 00-0972	MO 9" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up	2,738.74
	For >6 Months (>26 Weeks) , Deduct	-109.55
01 22 23 00-0973	DAY 12" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up	535.50
01 22 23 00-0974	WK 12" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up	1,204.88
01 22 23 00-0975	MO 12" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up	3,213.00
	For >6 Months (>26 Weeks) , Deduct	-128.52

01 22 23 00-0976	Material Handling Equipment (01 22 23)	
01 22 23 00-0977	Truck Mounted Hydraulic Cranes (01 22 23 00-0976)	
	Note: Includes full-time operator, delivery, set-up, rigging, all necessary counter weights and removal time in rental period. Excludes lattice boom extension.	
01 22 23 00-0978	DAY 6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	1,517.74
	For Equipment Without Operator, Deduct	-1,029.47
01 22 23 00-0979	WK 6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	6,626.51
	For Equipment Without Operator, Deduct	-5,147.33
01 22 23 00-0980	MO 6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	26,757.00
	For Equipment Without Operator, Deduct	-22,305.09
	For >6 Months (>26 Weeks) , Deduct	-178.08
01 22 23 00-0981	DAY 8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	1,646.99
	For Equipment Without Operator, Deduct	-1,029.47
01 22 23 00-0982	WK 8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	7,010.67
	For Equipment Without Operator, Deduct	-5,147.33
01 22 23 00-0983	MO 8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	27,905.88
	For Equipment Without Operator, Deduct	-22,305.09
	For >6 Months (>26 Weeks) , Deduct	-224.03
01 22 23 00-0984	DAY 14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	1,776.24
	For Equipment Without Operator, Deduct	-1,029.47
01 22 23 00-0985	WK 14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	7,394.83
	For Equipment Without Operator, Deduct	-5,147.33
01 22 23 00-0986	MO 14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	29,054.76
	For Equipment Without Operator, Deduct	-22,305.09
	For >6 Months (>26 Weeks) , Deduct	-269.99
01 22 23 00-0987	DAY 20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	1,948.57
	For Equipment Without Operator, Deduct	-1,029.47
01 22 23 00-0988	WK 20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	7,911.82
	For Equipment Without Operator, Deduct	-5,147.33
01 22 23 00-0989	MO 20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	30,598.57
	For Equipment Without Operator, Deduct	-22,305.09
	For >6 Months (>26 Weeks) , Deduct	-331.74

01 General Requirements
01 20 Price and Payment Procedures
01 22 Unit Prices

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

01 22 23 00-0990	DAY 30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	2,106.55	
	<i>For Equipment Without Operator, Deduct</i>	-1,029.47	
01 22 23 00-0991	WK 30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	8,981.72	
	<i>For Equipment Without Operator, Deduct</i>	-5,147.33	
01 22 23 00-0992	MO 30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	33,805.38	
	<i>For Equipment Without Operator, Deduct</i>	-22,305.09	
	<i>For >6 Months (>26 Weeks) , Deduct</i>	-460.01	
01 22 23 00-0993	DAY 40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	2,479.93	
	<i>For Equipment Without Operator, Deduct</i>	-1,029.47	
01 22 23 00-0994	WK 40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	10,317.29	
	<i>For Equipment Without Operator, Deduct</i>	-5,147.33	
01 22 23 00-0995	MO 40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	37,814.97	
	<i>For Equipment Without Operator, Deduct</i>	-22,305.09	
	<i>For >6 Months (>26 Weeks) , Deduct</i>	-620.40	
01 22 23 00-0996	DAY 50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	2,716.89	
	<i>For Equipment Without Operator, Deduct</i>	-1,029.47	
01 22 23 00-0997	WK 50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	11,150.23	
	<i>For Equipment Without Operator, Deduct</i>	-5,147.33	
01 22 23 00-0998	MO 50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	40,319.53	
	<i>For Equipment Without Operator, Deduct</i>	-22,305.09	
	<i>For >6 Months (>26 Weeks) , Deduct</i>	-720.58	
01 22 23 00-0999	DAY 60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	2,903.58	
	<i>For Equipment Without Operator, Deduct</i>	-1,029.47	
01 22 23 00-1000	WK 60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	11,825.19	
	<i>For Equipment Without Operator, Deduct</i>	-5,147.33	
01 22 23 00-1001	MO 60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	42,341.56	
	<i>For Equipment Without Operator, Deduct</i>	-22,305.09	
	<i>For >6 Months (>26 Weeks) , Deduct</i>	-801.46	
01 22 23 00-1002	DAY 70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	3,090.27	
	<i>For Equipment Without Operator, Deduct</i>	-1,029.47	
01 22 23 00-1003	WK 70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	12,500.16	
	<i>For Equipment Without Operator, Deduct</i>	-5,147.33	
01 22 23 00-1004	MO 70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	44,363.59	
	<i>For Equipment Without Operator, Deduct</i>	-22,305.09	
	<i>For >6 Months (>26 Weeks) , Deduct</i>	-882.34	
01 22 23 00-1005	DAY 85 To 90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	3,212.34	
	<i>For Equipment Without Operator, Deduct</i>	-1,029.47	
01 22 23 00-1006	WK 85 To 90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	12,916.63	
	<i>For Equipment Without Operator, Deduct</i>	-5,147.33	
01 22 23 00-1007	MO 85 To 90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	45,627.35	
	<i>For Equipment Without Operator, Deduct</i>	-22,305.09	
	<i>For >6 Months (>26 Weeks) , Deduct</i>	-932.89	
01 22 23 00-1008	DAY 100 To 110 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	3,377.49	
	<i>For Equipment Without Operator, Deduct</i>	-1,029.47	
01 22 23 00-1009	WK 100 To 110 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	13,534.15	
	<i>For Equipment Without Operator, Deduct</i>	-5,147.33	
01 22 23 00-1010	MO 100 To 110 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	47,465.56	
	<i>For Equipment Without Operator, Deduct</i>	-22,305.09	
	<i>For >6 Months (>26 Weeks) , Deduct</i>	-1,006.42	
01 22 23 00-1011	DAY 120 To 125 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	3,908.85	
	<i>For Equipment Without Operator, Deduct</i>	-1,029.47	
	<i>For Half Day Usage, Deduct</i>	-1,151.75	
01 22 23 00-1012	WK 120 To 125 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	15,225.16	
	<i>For Equipment Without Operator, Deduct</i>	-5,147.33	
01 22 23 00-1013	MO 120 To 125 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	52,538.59	
	<i>For Equipment Without Operator, Deduct</i>	-22,305.09	
	<i>For >6 Months (>26 Weeks) , Deduct</i>	-1,209.34	
01 22 23 00-1014	DAY 140 To 150 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	4,275.06	
	<i>For Equipment Without Operator, Deduct</i>	-1,029.47	
	<i>For Half Day Usage, Deduct</i>	-1,298.24	
01 22 23 00-1015	WK 140 To 150 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	16,506.88	
	<i>For Equipment Without Operator, Deduct</i>	-5,147.33	
01 22 23 00-1016	MO 140 To 150 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	56,383.74	
	<i>For Equipment Without Operator, Deduct</i>	-22,305.09	
	<i>For >6 Months (>26 Weeks) , Deduct</i>	-1,363.15	
01 22 23 00-1017	DAY 175 To 185 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	4,935.66	
	<i>For Equipment Without Operator, Deduct</i>	-1,029.47	
	<i>For Half Day Usage, Deduct</i>	-1,562.48	
01 22 23 00-1018	WK 175 To 185 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	18,819.00	
	<i>For Equipment Without Operator, Deduct</i>	-5,147.33	
01 22 23 00-1019	MO 175 To 185 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	63,320.11	
	<i>For Equipment Without Operator, Deduct</i>	-22,305.09	
	<i>For >6 Months (>26 Weeks) , Deduct</i>	-1,640.60	
01 22 23 00-1020	DAY 200 To 210 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	5,395.21	
	<i>For Equipment Without Operator, Deduct</i>	-1,029.47	
	<i>For Half Day Usage, Deduct</i>	-1,746.30	
01 22 23 00-1021	WK 200 To 210 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	20,427.43	
	<i>For Equipment Without Operator, Deduct</i>	-5,147.33	
01 22 23 00-1022	MO 200 To 210 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	68,145.40	
	<i>For Equipment Without Operator, Deduct</i>	-22,305.09	
	<i>For >6 Months (>26 Weeks) , Deduct</i>	-1,833.61	

01 22 23 00-1023 Cable Controlled Lattice Boom, Mechanical Cranes (01 22 23 00-0976)

Note: Includes full-time operator and counterweights. Excludes delivery, set-up, and removal. See CSI section 01 71 13 00-0004 for lattice crane delivery.

01 22 23 00-1024	DAY 75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	2,752.79	
	<i>For Equipment Without Operator, Deduct</i>	-1,029.47	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1025	WK	75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	11,293.84 -5,147.33	
01 22 23 00-1026	MO	75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For >6 Months (>26 Weeks) , Deduct</i>	40,744.61 -22,305.09 -737.58	
01 22 23 00-1027	DAY	100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	4,081.18 -1,029.47	
01 22 23 00-1028	WK	100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	13,505.43 -5,147.33	
01 22 23 00-1029	MO	100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For >6 Months (>26 Weeks) , Deduct</i>	47,379.40 -22,305.09 -1,002.97	
01 22 23 00-1030	DAY	125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	4,296.60 -1,029.47	
01 22 23 00-1031	WK	125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	15,077.96 -5,147.33	
01 22 23 00-1032	MO	125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For >6 Months (>26 Weeks) , Deduct</i>	52,095.55 -22,305.09 -1,191.62	
01 22 23 00-1033	DAY	150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	4,727.43 -1,029.47	
01 22 23 00-1034	WK	150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	16,650.49 -5,147.33	
01 22 23 00-1035	MO	150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For >6 Months (>26 Weeks) , Deduct</i>	56,805.96 -22,305.09 -1,380.03	
01 22 23 00-1036	DAY	200 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	4,932.07 -1,029.47	
01 22 23 00-1037	WK	200 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	18,223.02 -5,147.33	
01 22 23 00-1038	MO	200 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For >6 Months (>26 Weeks) , Deduct</i>	61,527.85 -22,305.09 -1,568.91	
01 22 23 00-1039	DAY	250 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	5,136.72 -1,029.47	
01 22 23 00-1040	WK	250 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	19,795.55 -5,147.33	
01 22 23 00-1041	MO	250 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For >6 Months (>26 Weeks) , Deduct</i>	66,249.75 -22,305.09 -1,757.79	
01 22 23 00-1042	DAY	300 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	5,811.68 -1,029.47	
01 22 23 00-1043	WK	300 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	22,215.38 -5,147.33	
01 22 23 00-1044	MO	300 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For >6 Months (>26 Weeks) , Deduct</i>	73,499.18 -22,305.09 -2,047.76	
01 22 23 00-1045	DAY	500 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	9,962.01 -1,029.47	
01 22 23 00-1046	WK	500 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	37,007.21 -5,147.33	
01 22 23 00-1047	MO	500 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For >6 Months (>26 Weeks) , Deduct</i>	117,891.91 -22,305.09 -3,823.47	
01 22 23 00-1048		Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklifts (01 22 23 00-0976) Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-1049	DAY	5,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,572.72 -958.30	
01 22 23 00-1050	WK	5,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	6,295.22 -4,791.50	
01 22 23 00-1051	MO	5,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For >6 Months (>26 Weeks) , Deduct</i>	23,996.99 -20,763.19 -129.35	
01 22 23 00-1052	DAY	6,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,637.40 -958.30	
01 22 23 00-1053	WK	6,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	6,440.74 -4,791.50	
01 22 23 00-1054	MO	6,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For >6 Months (>26 Weeks) , Deduct</i>	24,320.37 -20,763.19 -142.29	
01 22 23 00-1055	DAY	8,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,621.23 -958.30	
01 22 23 00-1056	WK	8,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	6,513.50 -4,791.50	
01 22 23 00-1057	MO	8,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For >6 Months (>26 Weeks) , Deduct</i>	24,805.44 -20,763.19 -161.69	
01 22 23 00-1058	DAY	10,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,807.17 -958.30	
01 22 23 00-1059	WK	10,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	6,998.57 -4,791.50	

01	General Requirements
01 20	Price and Payment Procedures
01 22	Unit Prices

MINOR	CSI	UOM	DESCRIPTION
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TOTAL DIRECT	DEMOLITION
UNIT COST	UNIT COST

01 22 23 00-1060	MO	10,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	25,937.27
		<i>For Equipment Without Operator, Deduct</i>	-20,763.19
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-206.96

01 22 23 00-1061 Straight Mast, Rough Terrain Construction Forklifts (01 22 23 00-0976)

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-1062	DAY	5,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	1,357.67
		<i>For Equipment Without Operator, Deduct</i>	-958.30
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	79.87
01 22 23 00-1063	WK	5,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	5,882.10
		<i>For Equipment Without Operator, Deduct</i>	-4,791.50
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	218.12
01 22 23 00-1064	MO	5,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	23,259.28
		<i>For Equipment Without Operator, Deduct</i>	-20,763.19
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	499.22
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-99.84
01 22 23 00-1065	DAY	6,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	1,378.69
		<i>For Equipment Without Operator, Deduct</i>	-958.30
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	84.08
01 22 23 00-1066	WK	6,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	5,939.50
		<i>For Equipment Without Operator, Deduct</i>	-4,791.50
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	229.60
01 22 23 00-1067	MO	6,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	23,390.65
		<i>For Equipment Without Operator, Deduct</i>	-20,763.19
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	525.49
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-105.10
01 22 23 00-1068	DAY	8,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	1,491.88
		<i>For Equipment Without Operator, Deduct</i>	-958.30
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	106.72
01 22 23 00-1069	WK	8,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	6,254.79
		<i>For Equipment Without Operator, Deduct</i>	-4,791.50
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	292.66
01 22 23 00-1070	MO	8,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	24,118.26
		<i>For Equipment Without Operator, Deduct</i>	-20,763.19
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	671.01
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-134.20
01 22 23 00-1071	DAY	10,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	1,554.21
		<i>For Equipment Without Operator, Deduct</i>	-958.30
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	119.18
01 22 23 00-1072	WK	10,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	6,227.79
		<i>For Equipment Without Operator, Deduct</i>	-4,791.50
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	287.26
01 22 23 00-1073	MO	10,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	24,338.64
		<i>For Equipment Without Operator, Deduct</i>	-20,763.19
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	715.09
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-143.02
01 22 23 00-1074	DAY	12,000 To 14,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	1,673.39
		<i>For Equipment Without Operator, Deduct</i>	-958.30
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	143.02
01 22 23 00-1075	WK	12,000 To 14,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	6,515.05
		<i>For Equipment Without Operator, Deduct</i>	-4,791.50
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	344.71
01 22 23 00-1076	MO	12,000 To 14,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	25,053.73
		<i>For Equipment Without Operator, Deduct</i>	-20,763.19
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	858.11
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-171.62

01 22 23 00-1077 Straight Mast, Industrial Warehouse Forklifts (01 22 23 00-0976)

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-1078	DAY	5,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	1,297.85
		<i>For Equipment Without Operator, Deduct</i>	-958.30
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	67.91
01 22 23 00-1079	WK	5,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	5,567.61
		<i>For Equipment Without Operator, Deduct</i>	-4,791.50
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	155.22
01 22 23 00-1080	MO	5,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	22,622.63
		<i>For Equipment Without Operator, Deduct</i>	-20,763.19
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	371.89
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-74.38
01 22 23 00-1081	DAY	6,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	1,305.93
		<i>For Equipment Without Operator, Deduct</i>	-958.30
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	69.53
01 22 23 00-1082	WK	6,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	5,591.87
		<i>For Equipment Without Operator, Deduct</i>	-4,791.50
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	160.07
01 22 23 00-1083	MO	6,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	22,679.22
		<i>For Equipment Without Operator, Deduct</i>	-20,763.19
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	383.21
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-76.64
01 22 23 00-1084	DAY	8,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	1,475.71
		<i>For Equipment Without Operator, Deduct</i>	-958.30
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	103.48
01 22 23 00-1085	WK	8,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	5,963.75
		<i>For Equipment Without Operator, Deduct</i>	-4,791.50
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	234.45

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-1086	MO	8,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	23,592.77	
		For Equipment Without Operator, Deduct	-20,763.19	
		For Propane Instead Of Gas Or Diesel, Add	565.92	
		For >6 Months (>26 Weeks) , Deduct	-113.18	
01 22 23 00-1087	DAY	12,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	1,491.88	
		For Equipment Without Operator, Deduct	-958.30	
		For Propane Instead Of Gas Or Diesel, Add	106.72	
01 22 23 00-1088	WK	12,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	6,101.19	
		For Equipment Without Operator, Deduct	-4,791.50	
		For Propane Instead Of Gas Or Diesel, Add	261.94	
01 22 23 00-1089	MO	12,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	24,077.83	
		For Equipment Without Operator, Deduct	-20,763.19	
		For Propane Instead Of Gas Or Diesel, Add	662.93	
		For >6 Months (>26 Weeks) , Deduct	-132.59	
01 22 23 00-1090	DAY	15,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	1,637.40	
		For Equipment Without Operator, Deduct	-958.30	
		For Propane Instead Of Gas Or Diesel, Add	135.82	
01 22 23 00-1091	WK	15,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	6,335.64	
		For Equipment Without Operator, Deduct	-4,791.50	
		For Propane Instead Of Gas Or Diesel, Add	308.83	
01 22 23 00-1092	MO	15,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	24,482.06	
		For Equipment Without Operator, Deduct	-20,763.19	
		For Propane Instead Of Gas Or Diesel, Add	743.77	
		For >6 Months (>26 Weeks) , Deduct	-148.75	

01 22 23 00-1093

Chain Hoists

(01 22 23 00-0976)

Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-1094	DAY	1 Ton, 20' Lift, Manual Chain Hoist	12.52	
01 22 23 00-1095	WK	1 Ton, 20' Lift, Manual Chain Hoist	32.55	
01 22 23 00-1096	MO	1 Ton, 20' Lift, Manual Chain Hoist	96.40	
		For >6 Months (>26 Weeks) , Deduct	-3.86	
01 22 23 00-1097	DAY	3 Ton, 20' Lift, Manual Chain Hoist	35.06	
01 22 23 00-1098	WK	3 Ton, 20' Lift, Manual Chain Hoist	82.63	
01 22 23 00-1099	MO	3 Ton, 20' Lift, Manual Chain Hoist	231.62	
		For >6 Months (>26 Weeks) , Deduct	-9.26	
01 22 23 00-1100	DAY	5 Ton, 20' Lift, Manual Chain Hoist	45.07	
01 22 23 00-1101	WK	5 Ton, 20' Lift, Manual Chain Hoist	121.44	
01 22 23 00-1102	MO	5 Ton, 20' Lift, Manual Chain Hoist	338.04	
		For >6 Months (>26 Weeks) , Deduct	-13.52	
01 22 23 00-1103	DAY	2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	88.89	
01 22 23 00-1104	WK	2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	231.62	
01 22 23 00-1105	MO	2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	626.00	
		For >6 Months (>26 Weeks) , Deduct	-25.04	
01 22 23 00-1106	DAY	3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	90.14	
01 22 23 00-1107	WK	3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	241.01	
01 22 23 00-1108	MO	3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	657.30	
		For >6 Months (>26 Weeks) , Deduct	-26.29	
01 22 23 00-1109	DAY	5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	92.65	
01 22 23 00-1110	WK	5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	259.79	
01 22 23 00-1111	MO	5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	719.90	
		For >6 Months (>26 Weeks) , Deduct	-28.80	

01 22 23 00-1112

Roof Swing Hoist

(01 22 23 00-0976)

Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-1113	DAY	Up To 400 Lb., Manual Swing Roof Hoist	103.38	
01 22 23 00-1114	WK	Up To 400 Lb., Manual Swing Roof Hoist	361.81	
01 22 23 00-1115	MO	Up To 400 Lb., Manual Swing Roof Hoist	1,240.50	
		For >6 Months (>26 Weeks) , Deduct	-49.62	

01 22 23 00-1116

Truck Mounted Digger Derrick

(01 22 23 00-0976)

Note: Includes full-time operator, delivery, set-up, and removal time in rental period. Lifting capacity is reduced.

01 22 23 00-1117	DAY	Up To 47' Sheave Height, 34' Horizontal Reach, 12 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator	1,709.29	
		Note: Includes lifting boom, grapple arm and auger drill.		
		For Equipment Without Operator, Deduct	-1,029.47	
01 22 23 00-1118	WK	Up To 47' Sheave Height, 34' Horizontal Reach, 12 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator	7,186.79	
		Note: Includes lifting boom, grapple arm and auger drill.		
		For Equipment Without Operator, Deduct	-5,147.33	
01 22 23 00-1119	MO	Up To 47' Sheave Height, 34' Horizontal Reach, 12 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator	27,743.65	
		Note: Includes lifting boom, grapple arm and auger drill.		
		For Equipment Without Operator, Deduct	-22,305.09	
		For >6 Months (>26 Weeks) , Deduct	-217.54	
01 22 23 00-1120	DAY	Up To 48' Sheave Height, 38' Horizontal Reach, 15 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator	1,849.02	
		Note: Includes lifting boom, grapple arm and auger drill.		
		For Equipment Without Operator, Deduct	-1,029.47	
01 22 23 00-1121	WK	Up To 48' Sheave Height, 38' Horizontal Reach, 15 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator	7,605.98	
		Note: Includes lifting boom, grapple arm and auger drill.		
		For Equipment Without Operator, Deduct	-5,147.33	

01	General Requirements
01 20	Price and Payment Procedures
01 22	Unit Prices

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-1122	MO	Up To 48' Sheave Height, 38' Horizontal Reach, 15 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator.....	28,861.50	
		Note: Includes lifting boom, grapple arm and auger drill.		
		For Equipment Without Operator, Deduct	-22,305.09	
		For >6 Months (>26 Weeks) , Deduct	-262.26	
01 22 23 00-1123	DAY	Up To 65' Sheave Height, 55' Horizontal Reach, 21 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator.....	2,712.48	
		Note: Includes lifting boom, grapple arm and auger drill.		
		For Equipment Without Operator, Deduct	-1,029.47	
01 22 23 00-1124	WK	Up To 65' Sheave Height, 55' Horizontal Reach, 21 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator.....	10,196.36	
		Note: Includes lifting boom, grapple arm and auger drill.		
		For Equipment Without Operator, Deduct	-5,147.33	
01 22 23 00-1125	MO	Up To 65' Sheave Height, 55' Horizontal Reach, 21 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator.....	35,769.17	
		Note: Includes lifting boom, grapple arm and auger drill.		
		For Equipment Without Operator, Deduct	-22,305.09	
		For >6 Months (>26 Weeks) , Deduct	-538.56	

01 22 23 00-1126 Pumping Equipment (01 22 23)

01 22 23 00-1127 Gas Powered Portable Centrifugal Pumps (01 22 23 00-1126)

Note: Includes delivery, set-up, and removal. Excludes operator. See CSI section 01 22 23 00-1151 for larger diameter pumps.

01 22 23 00-1128	DAY	8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump.....	80.38	
01 22 23 00-1129	WK	8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump.....	180.85	
01 22 23 00-1130	MO	8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump.....	482.26	
		For >6 Months (>26 Weeks) , Deduct	-19.29	
01 22 23 00-1131	DAY	16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump.....	96.45	
01 22 23 00-1132	WK	16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump.....	217.02	
01 22 23 00-1133	MO	16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump.....	578.71	
		For >6 Months (>26 Weeks) , Deduct	-23.15	

01 22 23 00-1134 Gas Powered Portable Diaphragm Pumps (01 22 23 00-1126)

Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-1135	DAY	3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	92.43	
01 22 23 00-1136	WK	3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	261.22	
01 22 23 00-1137	MO	3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	663.10	
		For >6 Months (>26 Weeks) , Deduct	-26.52	
01 22 23 00-1138	DAY	5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	112.53	
01 22 23 00-1139	WK	5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	301.41	
01 22 23 00-1140	MO	5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	854.00	
		For >6 Months (>26 Weeks) , Deduct	-34.16	

01 22 23 00-1141 Gas Powered Portable Trash Pumps (01 22 23 00-1126)

Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-1142	DAY	12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump.....	116.55	
01 22 23 00-1143	WK	12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump.....	241.13	
01 22 23 00-1144	MO	12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump.....	723.38	
		For >6 Months (>26 Weeks) , Deduct	-28.94	
01 22 23 00-1145	DAY	25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump.....	116.55	
01 22 23 00-1146	WK	25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump.....	311.46	
01 22 23 00-1147	MO	25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump.....	854.00	
		For >6 Months (>26 Weeks) , Deduct	-34.16	
01 22 23 00-1148	DAY	35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump.....	184.86	
01 22 23 00-1149	WK	35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump.....	522.44	
01 22 23 00-1150	MO	35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump.....	1,517.10	
		For >6 Months (>26 Weeks) , Deduct	-60.68	

01 22 23 00-1151 Diesel Powered Portable Trash Pumps (01 22 23 00-1126)

Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-1152	DAY	63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump	361.69	
01 22 23 00-1153	WK	63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump	984.61	
01 22 23 00-1154	MO	63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump	4,290.07	
		For >6 Months (>26 Weeks) , Deduct	-171.60	
01 22 23 00-1155	DAY	156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	552.58	
01 22 23 00-1156	WK	156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	1,446.77	
01 22 23 00-1157	MO	156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	3,848.00	
		For >6 Months (>26 Weeks) , Deduct	-153.92	
01 22 23 00-1158	DAY	246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	751.52	
01 22 23 00-1159	WK	246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	2,011.41	
01 22 23 00-1160	MO	246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	5,381.17	
		For >6 Months (>26 Weeks) , Deduct	-215.25	
01 22 23 00-1161	DAY	379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump	972.55	
01 22 23 00-1162	WK	379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump	2,483.62	
01 22 23 00-1163	MO	379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump	7,294.12	
		For >6 Months (>26 Weeks) , Deduct	-291.76	

01 22 23 00-1164 Diesel Powered Portable High Head Trash Pumps (01 22 23 00-1126)

Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-1165	DAY	27,000 GPH, 3" Suction, 3" Discharge, 300' Maximum Head, Diesel Powered Portable High Head Trash Pump	482.26	
01 22 23 00-1166	WK	27,000 GPH, 3" Suction, 3" Discharge, 300' Maximum Head, Diesel Powered Portable High Head Trash Pump	1,085.08	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-1167	MO	27,000 GPH, 3" Suction, 3" Discharge, 300' Maximum Head, Diesel Powered Portable High Head Trash Pump	2,893.54	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-115.74	
01 22 23 00-1168	DAY	90,000 GPH, 6" Suction, 4" Discharge, 330' Maximum Head, Diesel Powered Portable High Head Trash Pump	723.38	
01 22 23 00-1169	WK	90,000 GPH, 6" Suction, 4" Discharge, 330' Maximum Head, Diesel Powered Portable High Head Trash Pump	1,935.05	
01 22 23 00-1170	MO	90,000 GPH, 6" Suction, 4" Discharge, 330' Maximum Head, Diesel Powered Portable High Head Trash Pump	5,425.38	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-217.02	
01 22 23 00-1171	DAY	135,000 GPH, 8" Suction, 6" Discharge, 320' Maximum Head, Diesel Powered Portable High Head Trash Pump	884.14	
01 22 23 00-1172	WK	135,000 GPH, 8" Suction, 6" Discharge, 320' Maximum Head, Diesel Powered Portable High Head Trash Pump	1,989.31	
01 22 23 00-1173	MO	135,000 GPH, 8" Suction, 6" Discharge, 320' Maximum Head, Diesel Powered Portable High Head Trash Pump	5,304.82	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-212.19	

01 22 23 00-1174 Diesel Powered Portable Silenced Environmental Trash Pumps (01 22 23 00-1126)

Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-1175	DAY	90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	516.42	
01 22 23 00-1176	WK	90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	1,175.50	
01 22 23 00-1177	MO	90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	3,665.15	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-146.61	
01 22 23 00-1178	DAY	136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	632.96	
01 22 23 00-1179	WK	136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	1,577.38	
01 22 23 00-1180	MO	136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	4,290.07	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-171.60	
01 22 23 00-1181	DAY	246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	763.57	
01 22 23 00-1182	WK	246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	2,258.57	
01 22 23 00-1183	MO	246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	6,299.47	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-251.98	
01 22 23 00-1184	DAY	510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	1,149.38	
01 22 23 00-1185	WK	510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	2,935.73	
01 22 23 00-1186	MO	510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	8,620.33	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-344.81	

01 22 23 00-1187 3 Phase Electric Submersible Pumps (01 22 23 00-1126)

Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-1188	DAY	24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	200.94	
01 22 23 00-1189	WK	24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	502.35	
01 22 23 00-1190	MO	24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	1,507.05	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-60.28	
01 22 23 00-1191	DAY	49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	265.24	
01 22 23 00-1192	WK	49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	663.10	
01 22 23 00-1193	MO	49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	1,989.31	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-79.57	

01 22 23 00-1194 Suction Hose With Couplings (01 22 23 00-1126)

Note: Includes delivery, set-up, and removal.

01 22 23 00-1195	DAY	Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings	6.00	
01 22 23 00-1196	WK	Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings	15.00	
01 22 23 00-1197	MO	Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings	46.00	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-1.84	
01 22 23 00-1198	DAY	3" Inside Diameter, 20' Length, Suction Hose With Couplings	16.00	
01 22 23 00-1199	WK	3" Inside Diameter, 20' Length, Suction Hose With Couplings	41.00	
01 22 23 00-1200	MO	3" Inside Diameter, 20' Length, Suction Hose With Couplings	125.00	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-5.00	
01 22 23 00-1201	DAY	4" Inside Diameter, 20' Length, Suction Hose With Couplings	24.00	
01 22 23 00-1202	WK	4" Inside Diameter, 20' Length, Suction Hose With Couplings	61.00	
01 22 23 00-1203	MO	4" Inside Diameter, 20' Length, Suction Hose With Couplings	185.00	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-7.40	
01 22 23 00-1204	DAY	6" Inside Diameter, 20' Length, Suction Hose With Couplings	30.00	
01 22 23 00-1205	WK	6" Inside Diameter, 20' Length, Suction Hose With Couplings	75.00	
01 22 23 00-1206	MO	6" Inside Diameter, 20' Length, Suction Hose With Couplings	220.00	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-8.80	
01 22 23 00-1207	DAY	10" Inside Diameter, 20' Length, Suction Hose With Couplings	70.00	
01 22 23 00-1208	WK	10" Inside Diameter, 20' Length, Suction Hose With Couplings	180.00	
01 22 23 00-1209	MO	10" Inside Diameter, 20' Length, Suction Hose With Couplings	530.00	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-21.20	
01 22 23 00-1210	DAY	12" Inside Diameter, 20' Length, Suction Hose With Couplings	94.00	
01 22 23 00-1211	WK	12" Inside Diameter, 20' Length, Suction Hose With Couplings	205.00	
01 22 23 00-1212	MO	12" Inside Diameter, 20' Length, Suction Hose With Couplings	615.00	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-24.60	

01 22 23 00-1213 Discharge Hose With Couplings (01 22 23 00-1126)

Note: Includes delivery, set-up, and removal.

01 22 23 00-1214	DAY	1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	6.00	
01 22 23 00-1215	WK	1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	15.00	
01 22 23 00-1216	MO	1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	46.00	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-1.84	
01 22 23 00-1217	DAY	2" Inside Diameter, 50' Length, Discharge Hose With Couplings	7.00	
01 22 23 00-1218	WK	2" Inside Diameter, 50' Length, Discharge Hose With Couplings	17.00	

01	General Requirements
01 20	Price and Payment Procedures
01 22	Unit Prices

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-1219	MO	2"	Inside Diameter, 50' Length, Discharge Hose With Couplings	53.00	
For >6 Months (>26 Weeks) , Deduct				-2.12	
01 22 23 00-1220	DAY	3"	Inside Diameter, 50' Length, Discharge Hose With Couplings	8.00	
01 22 23 00-1221	WK	3"	Inside Diameter, 50' Length, Discharge Hose With Couplings	20.00	
01 22 23 00-1222	MO	3"	Inside Diameter, 50' Length, Discharge Hose With Couplings	61.00	
For >6 Months (>26 Weeks) , Deduct				-2.44	
01 22 23 00-1223	DAY	4"	Inside Diameter, 50' Length, Discharge Hose With Couplings	21.00	
01 22 23 00-1224	WK	4"	Inside Diameter, 50' Length, Discharge Hose With Couplings	54.00	
01 22 23 00-1225	MO	4"	Inside Diameter, 50' Length, Discharge Hose With Couplings	155.00	
For >6 Months (>26 Weeks) , Deduct				-6.20	
01 22 23 00-1226	DAY	6"	Inside Diameter, 50' Length, Discharge Hose With Couplings	26.00	
01 22 23 00-1227	WK	6"	Inside Diameter, 50' Length, Discharge Hose With Couplings	71.00	
01 22 23 00-1228	MO	6"	Inside Diameter, 50' Length, Discharge Hose With Couplings	195.00	
For >6 Months (>26 Weeks) , Deduct				-7.80	
01 22 23 00-1229	DAY	10"	Inside Diameter, 10' Length, Discharge Hose With Couplings	20.00	
01 22 23 00-1230	WK	10"	Inside Diameter, 10' Length, Discharge Hose With Couplings	50.00	
01 22 23 00-1231	MO	10"	Inside Diameter, 10' Length, Discharge Hose With Couplings	150.00	
For >6 Months (>26 Weeks) , Deduct				-6.00	
01 22 23 00-1232	DAY	12"	Inside Diameter, 10' Length, Discharge Hose With Couplings	51.00	
01 22 23 00-1233	WK	12"	Inside Diameter, 10' Length, Discharge Hose With Couplings	130.00	
01 22 23 00-1234	MO	12"	Inside Diameter, 10' Length, Discharge Hose With Couplings	385.00	
For >6 Months (>26 Weeks) , Deduct				-15.40	

01 22 23 00-1235 Hydraulic Submersible Pumps (01 22 23 00-1126)

Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-1236 Hydraulic Submersible Pumps (01 22 23 00-1235)

Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-1237	DAY	60,000	GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	132.62	
01 22 23 00-1238	WK	60,000	GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	355.66	
01 22 23 00-1239	MO	60,000	GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	994.65	
For >6 Months (>26 Weeks) , Deduct				-39.79	
01 22 23 00-1240	DAY	132,000	GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	168.79	
01 22 23 00-1241	WK	132,000	GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	434.03	
01 22 23 00-1242	MO	132,000	GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	1,326.20	
For >6 Months (>26 Weeks) , Deduct				-53.05	

01 22 23 00-1243 Hydraulic Submersible Pump Diesel Power Packs (01 22 23 00-1235)

Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-1244	DAY	100	HP, Hydraulic Submersible Pump Diesel Power Pack	306.43	
01 22 23 00-1245	WK	100	HP, Hydraulic Submersible Pump Diesel Power Pack	914.28	
01 22 23 00-1246	MO	100	HP, Hydraulic Submersible Pump Diesel Power Pack	2,411.28	
For >6 Months (>26 Weeks) , Deduct				-96.45	

01 22 23 00-1247 HDPE Pipe With Couplings (01 22 23 00-1126)

Note: Includes delivery, set-up, and removal.

01 22 23 00-1248	DAY	4" x 50'	HDPE Pipe With Couplings	9.12	
01 22 23 00-1249	WK	4" x 50'	HDPE Pipe With Couplings	21.89	
01 22 23 00-1250	MO	4" x 50'	HDPE Pipe With Couplings	67.50	
For >6 Months (>26 Weeks) , Deduct				-2.70	
01 22 23 00-1251	DAY	6" x 50'	HDPE Pipe With Couplings	14.59	
01 22 23 00-1252	WK	6" x 50'	HDPE Pipe With Couplings	36.48	
01 22 23 00-1253	MO	6" x 50'	HDPE Pipe With Couplings	111.28	
For >6 Months (>26 Weeks) , Deduct				-4.45	
01 22 23 00-1254	DAY	8" x 50'	HDPE Pipe With Couplings	23.71	
01 22 23 00-1255	WK	8" x 50'	HDPE Pipe With Couplings	62.02	
01 22 23 00-1256	MO	8" x 50'	HDPE Pipe With Couplings	184.24	
For >6 Months (>26 Weeks) , Deduct				-7.37	
01 22 23 00-1257	DAY	10" x 50'	HDPE Pipe With Couplings	29.19	
01 22 23 00-1258	WK	10" x 50'	HDPE Pipe With Couplings	74.79	
01 22 23 00-1259	MO	10" x 50'	HDPE Pipe With Couplings	228.02	
For >6 Months (>26 Weeks) , Deduct				-9.12	
01 22 23 00-1260	DAY	12" x 20'	HDPE Pipe With Couplings	21.89	
01 22 23 00-1261	WK	12" x 20'	HDPE Pipe With Couplings	60.20	
01 22 23 00-1262	MO	12" x 20'	HDPE Pipe With Couplings	182.42	
For >6 Months (>26 Weeks) , Deduct				-7.30	
01 22 23 00-1263	DAY	4"	Elbow For HDPE Pipe, Quick Connect	21.89	
01 22 23 00-1264	WK	4"	Elbow For HDPE Pipe, Quick Connect	56.55	
01 22 23 00-1265	MO	4"	Elbow For HDPE Pipe, Quick Connect	167.83	
For >6 Months (>26 Weeks) , Deduct				-6.71	
01 22 23 00-1266	DAY	6"	Elbow For HDPE Pipe, Quick Connect	25.54	
01 22 23 00-1267	WK	6"	Elbow For HDPE Pipe, Quick Connect	65.67	
01 22 23 00-1268	MO	6"	Elbow For HDPE Pipe, Quick Connect	200.66	
For >6 Months (>26 Weeks) , Deduct				-8.03	
01 22 23 00-1269	DAY	8"	Elbow For HDPE Pipe, Quick Connect	29.19	
01 22 23 00-1270	WK	8"	Elbow For HDPE Pipe, Quick Connect	74.79	
01 22 23 00-1271	MO	8"	Elbow For HDPE Pipe, Quick Connect	228.02	
For >6 Months (>26 Weeks) , Deduct				-9.12	
01 22 23 00-1272	DAY	10"	Elbow For HDPE Pipe, Quick Connect	36.48	
01 22 23 00-1273	WK	10"	Elbow For HDPE Pipe, Quick Connect	93.03	
01 22 23 00-1274	MO	10"	Elbow For HDPE Pipe, Quick Connect	282.75	
For >6 Months (>26 Weeks) , Deduct				-11.31	
01 22 23 00-1275	DAY	12"	Elbow For HDPE Pipe, Quick Connect	36.48	
01 22 23 00-1276	WK	12"	Elbow For HDPE Pipe, Quick Connect	93.03	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1277	MO	12" Elbow For HDPE Pipe, Quick Connect.....	282.75	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-11.31	
01 22 23 00-1278	DAY	4" Tee For HDPE Pipe, Quick Connect	21.89	
01 22 23 00-1279	WK	4" Tee For HDPE Pipe, Quick Connect	56.55	
01 22 23 00-1280	MO	4" Tee For HDPE Pipe, Quick Connect	167.83	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-6.71	
01 22 23 00-1281	DAY	6" Tee For HDPE Pipe, Quick Connect	29.19	
01 22 23 00-1282	WK	6" Tee For HDPE Pipe, Quick Connect	74.79	
01 22 23 00-1283	MO	6" Tee For HDPE Pipe, Quick Connect	228.02	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-9.12	
01 22 23 00-1284	DAY	8" Tee For HDPE Pipe, Quick Connect	36.48	
01 22 23 00-1285	WK	8" Tee For HDPE Pipe, Quick Connect	93.03	
01 22 23 00-1286	MO	8" Tee For HDPE Pipe, Quick Connect	282.75	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-11.31	
01 22 23 00-1287	DAY	10" Tee For HDPE Pipe, Quick Connect	43.78	
01 22 23 00-1288	WK	10" Tee For HDPE Pipe, Quick Connect	111.28	
01 22 23 00-1289	MO	10" Tee For HDPE Pipe, Quick Connect	337.48	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-13.50	
01 22 23 00-1290	DAY	12" Tee For HDPE Pipe, Quick Connect	43.78	
01 22 23 00-1291	WK	12" Tee For HDPE Pipe, Quick Connect	111.28	
01 22 23 00-1292	MO	12" Tee For HDPE Pipe, Quick Connect	337.48	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-13.50	
01 22 23 00-1293	DAY	4" Cap For HDPE Pipe, Quick Connect	3.65	
01 22 23 00-1294	WK	4" Cap For HDPE Pipe, Quick Connect	10.95	
01 22 23 00-1295	MO	4" Cap For HDPE Pipe, Quick Connect	32.84	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-1.31	
01 22 23 00-1296	DAY	6" Cap For HDPE Pipe, Quick Connect	3.65	
01 22 23 00-1297	WK	6" Cap For HDPE Pipe, Quick Connect	10.95	
01 22 23 00-1298	MO	6" Cap For HDPE Pipe, Quick Connect	32.84	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-1.31	
01 22 23 00-1299	DAY	8" Cap For HDPE Pipe, Quick Connect	3.65	
01 22 23 00-1300	WK	8" Cap For HDPE Pipe, Quick Connect	10.95	
01 22 23 00-1301	MO	8" Cap For HDPE Pipe, Quick Connect	32.84	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-1.31	
01 22 23 00-1302	DAY	10" Cap For HDPE Pipe, Quick Connect	3.65	
01 22 23 00-1303	WK	10" Cap For HDPE Pipe, Quick Connect	10.95	
01 22 23 00-1304	MO	10" Cap For HDPE Pipe, Quick Connect	32.84	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-1.31	
01 22 23 00-1305	DAY	12" Cap For HDPE Pipe, Quick Connect	3.65	
01 22 23 00-1306	WK	12" Cap For HDPE Pipe, Quick Connect	10.95	
01 22 23 00-1307	MO	12" Cap For HDPE Pipe, Quick Connect	32.84	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-1.31	
01 22 23 00-1308	DAY	4" Wye For HDPE Pipe, Quick Connect	10.95	
01 22 23 00-1309	WK	4" Wye For HDPE Pipe, Quick Connect	27.36	
01 22 23 00-1310	MO	4" Wye For HDPE Pipe, Quick Connect	83.91	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-3.36	
01 22 23 00-1311	DAY	6" Wye For HDPE Pipe, Quick Connect	12.77	
01 22 23 00-1312	WK	6" Wye For HDPE Pipe, Quick Connect	32.84	
01 22 23 00-1313	MO	6" Wye For HDPE Pipe, Quick Connect	100.33	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-4.01	
01 22 23 00-1314	DAY	8" Wye For HDPE Pipe, Quick Connect	21.89	
01 22 23 00-1315	WK	8" Wye For HDPE Pipe, Quick Connect	56.55	
01 22 23 00-1316	MO	8" Wye For HDPE Pipe, Quick Connect	167.83	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-6.71	
01 22 23 00-1317	DAY	10" Wye For HDPE Pipe, Quick Connect	32.84	
01 22 23 00-1318	WK	10" Wye For HDPE Pipe, Quick Connect	83.91	
01 22 23 00-1319	MO	10" Wye For HDPE Pipe, Quick Connect	255.39	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-10.22	
01 22 23 00-1320	DAY	12" Wye For HDPE Pipe, Quick Connect	32.84	
01 22 23 00-1321	WK	12" Wye For HDPE Pipe, Quick Connect	83.91	
01 22 23 00-1322	MO	12" Wye For HDPE Pipe, Quick Connect	255.39	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-10.22	
01 22 23 00-1323		Temporary Building Services (01 22 23)		
01 22 23 00-1324		Boilers (01 22 23 00-1323)		
		Note: Excludes operator, delivery, set-up, and removal.		
01 22 23 00-1325		Electric Boilers (01 22 23 00-1324)		
01 22 23 00-1326	MO	40 MBH, 12 KW Electric Boiler Rental	2,867.55	
01 22 23 00-1327	MO	60 MBH, 20 KW Electric Boiler Rental	3,128.28	
01 22 23 00-1328	MO	95 MBH, 30 KW Electric Boiler Rental	3,258.65	
01 22 23 00-1329	MO	135 MBH, 40 KW Electric Boiler Rental	3,649.61	
01 22 23 00-1330	MO	165 MBH, 50 KW Electric Boiler Rental	5,083.39	
01 22 23 00-1331	MO	215 MBH, 60 KW Electric Boiler Rental	5,865.47	
01 22 23 00-1332	MO	365 MBH, 100 KW Electric Boiler Rental	7,690.34	
01 22 23 00-1333	MO	510 MBH, 150 KW Electric Boiler Rental	9,384.83	
01 22 23 00-1334		Oil/Gas Fired Boilers (01 22 23 00-1324)		
01 22 23 00-1335	MO	Up To 100 HP, Gas/Oil Dual Fuel Boiler Rental	2,526.50	
01 22 23 00-1336	MO	>100 HP To 250 HP, Gas/Oil Dual Fuel Boiler Rental	3,284.45	
01 22 23 00-1337	MO	>250 HP To 500 HP, Gas/Oil Dual Fuel Boiler Rental	5,305.65	
01 22 23 00-1338	MO	>500 HP To 800 HP, Gas/Oil Dual Fuel Boiler Rental	7,326.85	

01	General Requirements
01 20	Price and Payment Procedures
01 22	Unit Prices

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-1339 Oil Fired Boilers (01 22 23 00-1324)					
01 22 23 00-1340	MO	250 HP Oil Fired Boiler Rental.....	8,053.54		
01 22 23 00-1341	MO	350 HP Oil Fired Boiler Rental.....	10,738.06		
01 22 23 00-1342	MO	500 HP Oil Fired Boiler Rental.....	13,422.57		
01 22 23 00-1343	MO	600 HP Oil Fired Boiler Rental.....	14,764.83		
01 22 23 00-1344 Boilers Setup (01 22 23 00-1324)					
01 22 23 00-1345	EA	Setup Rental Boiler.....	8,007.66		
Note: Includes delivery, setup, installation, startup, commissioning, decommissioning, and pickup. Excludes piping and electrical hookup. Excludes crane.					
01 22 23 00-1346 Chillers (01 22 23 00-1323)					
Note: Excludes operator, delivery, set-up, and removal.					
01 22 23 00-1347 Air-Cooled Chillers (01 22 23 00-1346)					
01 22 23 00-1348	MO	25 Ton Air-Cooled Chiller Rental	2,542.48		
		For >3 To 6 Month Rental, Deduct	-381.37		
		For >6 Month Rental, Deduct	-635.62		
01 22 23 00-1349	MO	40 Ton Air-Cooled Chiller Rental	4,067.98		
		For >3 To 6 Month Rental, Deduct	-610.20		
		For >6 Month Rental, Deduct	-1,017.00		
01 22 23 00-1350	MO	60 Ton Air-Cooled Chiller Rental	4,975.60		
		For >3 To 6 Month Rental, Deduct	-746.34		
		For >6 Month Rental, Deduct	-1,243.90		
01 22 23 00-1351	MO	80 Ton Air-Cooled Chiller Rental	5,883.22		
		For >3 To 6 Month Rental, Deduct	-882.48		
		For >6 Month Rental, Deduct	-1,470.81		
01 22 23 00-1352	MO	100 Ton Air-Cooled Chiller Rental	6,790.84		
		For >3 To 6 Month Rental, Deduct	-1,018.63		
		For >6 Month Rental, Deduct	-1,697.71		
01 22 23 00-1353	MO	125 Ton Air-Cooled Chiller Rental	7,867.32		
		For >3 To 6 Month Rental, Deduct	-1,180.10		
		For >6 Month Rental, Deduct	-1,966.83		
01 22 23 00-1354	MO	155 Ton Air-Cooled Chiller Rental	9,517.53		
		For >3 To 6 Month Rental, Deduct	-1,427.63		
		For >6 Month Rental, Deduct	-2,379.38		
01 22 23 00-1355	MO	170 Ton Air-Cooled Chiller Rental	10,177.62		
		For >3 To 6 Month Rental, Deduct	-1,526.64		
		For >6 Month Rental, Deduct	-2,544.41		
01 22 23 00-1356	MO	200 Ton Air-Cooled Chiller Rental	11,691.60		
		For >3 To 6 Month Rental, Deduct	-1,753.74		
		For >6 Month Rental, Deduct	-2,922.90		
01 22 23 00-1357	MO	250 Ton Air-Cooled Chiller Rental	13,911.73		
		For >3 To 6 Month Rental, Deduct	-2,086.76		
		For >6 Month Rental, Deduct	-3,477.93		
01 22 23 00-1358	MO	300 Ton Air-Cooled Chiller Rental	16,233.54		
		Note: Includes trailer.			
		For >3 To 6 Month Rental, Deduct	-2,435.03		
		For >6 Month Rental, Deduct	-4,058.39		
01 22 23 00-1359	MO	400 Ton Air-Cooled Chiller Rental	21,414.46		
		Note: Includes trailer, pump and 200' of 6" hose.			
		For >3 To 6 Month Rental, Deduct	-3,212.17		
		For >6 Month Rental, Deduct	-5,353.62		
01 22 23 00-1360	MO	500 Ton Air-Cooled Chiller Rental	26,507.11		
		Note: Includes trailer, pump and 200' of 6" hose.			
		For >3 To 6 Month Rental, Deduct	-3,976.07		
		For >6 Month Rental, Deduct	-6,626.78		
01 22 23 00-1361	EA	Setup Air-Cooled Chiller Rental Unit.....	5,566.16		
		Note: Includes delivery, setup, installation, refrigerant charge, startup, commissioning, decommissioning, recovery of refrigerant and pickup. Excludes piping and electrical hookup. Excludes crane if off-loaded.			
01 22 23 00-1362 Chiller Rental Accessories (01 22 23 00-1346)					
01 22 23 00-1363	MO	4" x 25' Flexible Water Hose For Chiller Rental	45.30		
01 22 23 00-1364	MO	6" x 25' Flexible Water Hose For Chiller Rental	56.63		
01 22 23 00-1365 Cooling Tower (01 22 23 00-1323)					
Note: Excludes operator, delivery, set-up, and removal.					
01 22 23 00-1366	MO	100 Ton Cooling Tower Rental	3,688.22		
		For >3 To 6 Months Rental, Deduct	-553.23		
		For >6 Months Rental, Deduct	-922.06		
01 22 23 00-1367	MO	200 Ton Cooling Tower Rental	6,714.00		
		For >3 To 6 Months Rental, Deduct	-1,007.10		
		For >6 Months Rental, Deduct	-1,678.50		
01 22 23 00-1368	MO	250 Ton Cooling Tower Rental	7,603.29		
		For >3 To 6 Months Rental, Deduct	-1,140.49		
		For >6 Months Rental, Deduct	-1,900.82		
01 22 23 00-1369	MO	300 Ton Cooling Tower Rental	8,593.92		
		For >3 To 6 Months Rental, Deduct	-1,289.09		
		For >6 Months Rental, Deduct	-2,148.48		
01 22 23 00-1370	MO	400 Ton Cooling Tower Rental	10,742.40		
		For >3 To 6 Months Rental, Deduct	-1,611.36		
		For >6 Months Rental, Deduct	-2,685.60		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-1371	MO	500 Ton Cooling Tower Rental	12,559.71	
		For >3 To 6 Months Rental, Deduct	-1,883.96	
		For >6 Months Rental, Deduct	-3,139.93	
01 22 23 00-1372	MO	Setup Rental Cooling Tower	5,566.16	
		Note: Includes delivery, setup, installation, startup, commissioning, decommissioning, and pickup. Excludes piping and electrical hookup. Excludes crane.		

01 22 23 00-1373	Emergency Cooler/Freezer (01 22 23 00-1323)			
		Note: Excludes utility connection, delivery, set-up, and removal. Cooler 115 Volt or 230 Volt, freezer 208/230 Volt, combo 115 Volt or 230 Volt.		
01 22 23 00-1374	DAY	8 x 6 x 7 Emergency Cooler Rental	140.66	
01 22 23 00-1375	WK	8 x 6 x 7 Emergency Cooler Rental	750.16	
01 22 23 00-1376	DAY	10 x 7 x 7 Emergency Cooler Rental	281.31	
01 22 23 00-1377	WK	10 x 7 x 7 Emergency Cooler Rental	1,125.24	
01 22 23 00-1378	MO	10 x 7 x 7 Emergency Cooler Rental	2,813.10	
01 22 23 00-1379	DAY	10 x 7 x 7 Emergency Freezer Rental	328.20	
01 22 23 00-1380	WK	10 x 7 x 7 Emergency Freezer Rental	1,312.78	
01 22 23 00-1381	MO	10 x 7 x 7 Emergency Freezer Rental	3,375.72	
01 22 23 00-1382	DAY	6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental	375.08	
01 22 23 00-1383	WK	6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental	1,500.32	
01 22 23 00-1384	MO	6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental	3,750.80	

01 22 23 00-1385	Portable Spot Cooling Units (01 22 23 00-1323)			
		Note: Includes up to 20' duct. Excludes operator, delivery, set-up, and removal.		
01 22 23 00-1386	DAY	1 Ton Portable Spot Cooling Unit	222.08	
01 22 23 00-1387	WK	1 Ton Portable Spot Cooling Unit	481.18	
01 22 23 00-1388	MO	1 Ton Portable Spot Cooling Unit	1,137.46	
		For >6 Months (>26 Weeks) , Deduct	-45.50	
01 22 23 00-1389	DAY	1.5 Ton Portable Spot Cooling Unit	290.41	
01 22 23 00-1390	WK	1.5 Ton Portable Spot Cooling Unit	596.49	
01 22 23 00-1391	MO	1.5 Ton Portable Spot Cooling Unit	1,399.40	
		For >6 Months (>26 Weeks) , Deduct	-55.98	
01 22 23 00-1392	DAY	2 Ton Portable Spot Cooling Unit	391.49	
01 22 23 00-1393	WK	2 Ton Portable Spot Cooling Unit	818.57	
01 22 23 00-1394	MO	2 Ton Portable Spot Cooling Unit	1,516.13	
		For >6 Months (>26 Weeks) , Deduct	-60.65	
01 22 23 00-1395	DAY	3 Ton Portable Spot Cooling Unit	410.00	
01 22 23 00-1396	WK	3 Ton Portable Spot Cooling Unit	868.40	
01 22 23 00-1397	MO	3 Ton Portable Spot Cooling Unit	1,919.01	
		For >6 Months (>26 Weeks) , Deduct	-76.76	
01 22 23 00-1398	DAY	5 Ton Portable Spot Cooling Unit	640.62	
01 22 23 00-1399	WK	5 Ton Portable Spot Cooling Unit	1,295.48	
01 22 23 00-1400	MO	5 Ton Portable Spot Cooling Unit	2,692.03	
		For >6 Months (>26 Weeks) , Deduct	-107.68	
01 22 23 00-1401	DAY	10 To 12 Ton Portable Spot Cooling Unit	837.08	
01 22 23 00-1402	WK	10 To 12 Ton Portable Spot Cooling Unit	1,886.27	
01 22 23 00-1403	MO	10 To 12 Ton Portable Spot Cooling Unit	4,552.67	
		For >6 Months (>26 Weeks) , Deduct	-182.11	
01 22 23 00-1404	DAY	20 Ton Portable Spot Cooling Unit	960.93	
01 22 23 00-1405	WK	20 Ton Portable Spot Cooling Unit	2,206.58	
01 22 23 00-1406	MO	20 Ton Portable Spot Cooling Unit	6,149.95	
		For >6 Months (>26 Weeks) , Deduct	-246.00	
01 22 23 00-1407	DAY	25 Ton Portable Spot Cooling Unit	1,366.66	
01 22 23 00-1408	WK	25 Ton Portable Spot Cooling Unit	2,768.90	
01 22 23 00-1409	MO	25 Ton Portable Spot Cooling Unit	6,441.79	
		For >6 Months (>26 Weeks) , Deduct	-257.67	
01 22 23 00-1410	EA	Setup Rental Of Up To 5 Ton Portable Spot Cooler	256.81	
		Note: Includes delivery, setup, connection to power outlet and connection to duct and removal. Excludes electrical wiring.		
01 22 23 00-1411	EA	Setup Rental Of 10 To 15 Ton Portable Spot Cooler	590.96	
		Note: Includes delivery, setup, connection to power outlet and connection to duct and removal. Excludes electrical wiring.		
01 22 23 00-1412	EA	Setup Rental Of 20 To 25 Ton Portable Spot Cooler	855.94	
		Note: Includes delivery, setup, connection to power outlet and connection to duct and removal. Excludes electrical wiring.		

01 22 23 00-1413	Fuel Oil Tank (01 22 23 00-1323)			
		Note: Excludes delivery to job site and pick-up when complete. Excludes Off-road fuel costs. See CSI section 01 22 23 00-0846 for reimbursable fuel fees.		
01 22 23 00-1414	MO	100 Gallon Portable Double Wall Fuel Oil Tank Rental	438.74	
		For >6 Months (>26 Weeks) , Deduct	-17.55	
01 22 23 00-1415	MO	275 Gallon Portable Double Wall Fuel Oil Tank Rental	682.48	
		For >6 Months (>26 Weeks) , Deduct	-27.30	
01 22 23 00-1416	MO	500 Gallon Portable Double Wall Fuel Oil Tank Rental	1,706.20	
		For >6 Months (>26 Weeks) , Deduct	-68.25	
01 22 23 00-1417	MO	1,000 Gallon Portable Double Wall Fuel Oil Tank Rental	2,843.66	
		For >6 Months (>26 Weeks) , Deduct	-113.75	
01 22 23 00-1418	MO	2,300 Gallon Portable Double Wall Fuel Oil Tank Rental	3,753.63	
		For >6 Months (>26 Weeks) , Deduct	-150.15	
01 22 23 00-1419	MO	5,000 Gallon Portable Double Wall Fuel Oil Tank Rental	6,705.63	
		For >6 Months (>26 Weeks) , Deduct	-268.23	

01 22 23 00-1420	Truck And Trailer Equipment (01 22 23)			
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01	General Requirements
01 20	Price and Payment Procedures
01 22	Unit Prices

MINOR	CSI	UOM	DESCRIPTION
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TOTAL DIRECT	DEMOLITION
UNIT COST	UNIT COST

01 22 23 00-1421	Trucks (01 22 23 00-1420)		
	Note: Includes driver, delivery to job site and pick-up when complete.		
01 22 23 00-1422	Flat Bed Trucks (01 22 23 00-1421)		
	Note: Includes hydraulic tilt bed.		
01 22 23 00-1423	DAY 1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	1,077.65	
	For Equipment Without Operator, Deduct	-777.08	
01 22 23 00-1424	WK 1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	4,673.37	
	For Equipment Without Operator, Deduct	-3,885.39	
01 22 23 00-1425	MO 1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	18,826.94	
	For Equipment Without Operator, Deduct	-16,836.68	
	For >6 Months (>26 Weeks), Deduct	-79.61	
01 22 23 00-1426	DAY 3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	1,207.63	
	For Equipment Without Operator, Deduct	-777.08	
01 22 23 00-1427	WK 3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	5,006.43	
	For Equipment Without Operator, Deduct	-3,885.39	
01 22 23 00-1428	MO 3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	19,679.90	
	For Equipment Without Operator, Deduct	-16,836.68	
	For >6 Months (>26 Weeks), Deduct	-113.73	
01 22 23 00-1429	DAY 6-1/2 Ton Capacity, 16' To 22' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	1,300.88	
	For Equipment Without Operator, Deduct	-777.08	
01 22 23 00-1430	WK 6-1/2 Ton Capacity, 16' To 22' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	5,362.89	
	For Equipment Without Operator, Deduct	-3,885.39	
01 22 23 00-1431	MO 6-1/2 Ton Capacity, 16' To 22' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	21,036.53	
	For Equipment Without Operator, Deduct	-16,836.68	
	For >6 Months (>26 Weeks), Deduct	-167.99	
01 22 23 00-1432	Boom Trucks (01 22 23 00-1421)		
01 22 23 00-1433	DAY 3-1/2 Ton, 4 x 2 Boom Truck With Full-Time Truck Driver	1,336.79	
	For Equipment Without Operator, Deduct	-777.08	
	For High Rail Equipment, Add	195.90	
01 22 23 00-1434	WK 3-1/2 Ton, 4 x 2 Boom Truck With Full-Time Truck Driver	5,342.75	
	For Equipment Without Operator, Deduct	-3,885.39	
	For High Rail Equipment, Add	510.08	
01 22 23 00-1435	MO 3-1/2 Ton, 4 x 2 Boom Truck With Full-Time Truck Driver	20,532.87	
	For Equipment Without Operator, Deduct	-16,836.68	
	For High Rail Equipment, Add	1,293.67	
	For >6 Months (>26 Weeks), Deduct	-147.85	
01 22 23 00-1436	Light Off-Road Utility Passenger Vehicles (01 22 23 00-1421)		
01 22 23 00-1437	DAY 4 Wheel, 2 Person, Light Off Road Utility Passenger Vehicle	309.84	
01 22 23 00-1438	WK 4 Wheel, 2 Person, Light Off Road Utility Passenger Vehicle	716.50	
01 22 23 00-1439	MO 4 Wheel, 2 Person, Light Off Road Utility Passenger Vehicle	1,549.20	
	For >6 Months (>26 Weeks), Deduct	-61.97	
01 22 23 00-1440	DAY 4 Wheel, 4 Person, Light Off Road Utility Passenger Vehicle	319.52	
01 22 23 00-1441	WK 4 Wheel, 4 Person, Light Off Road Utility Passenger Vehicle	745.55	
01 22 23 00-1442	MO 4 Wheel, 4 Person, Light Off Road Utility Passenger Vehicle	1,646.02	
	For >6 Months (>26 Weeks), Deduct	-65.84	
01 22 23 00-1443	Light And Heavy Duty Trucks (01 22 23 00-1421)		
01 22 23 00-1444	DAY 1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver	1,028.34	
	For Equipment Without Operator, Deduct	-769.89	
01 22 23 00-1445	WK 1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver	4,697.48	
	For Equipment Without Operator, Deduct	-3,849.45	
01 22 23 00-1446	MO 1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver	18,457.77	
	For Equipment Without Operator, Deduct	-16,680.94	
	For >6 Months (>26 Weeks), Deduct	-71.07	
01 22 23 00-1447	DAY 3/4 Ton, 4 x 4 Heavy Duty Crew Cab Pickup Truck With Full-Time Truck Driver	1,076.80	
	For Equipment Without Operator, Deduct	-769.89	
01 22 23 00-1448	WK 3/4 Ton, 4 x 4 Heavy Duty Crew Cab Pickup Truck With Full-Time Truck Driver	4,842.86	
	For Equipment Without Operator, Deduct	-3,849.45	
01 22 23 00-1449	MO 3/4 Ton, 4 x 4 Heavy Duty Crew Cab Pickup Truck With Full-Time Truck Driver	18,780.83	
	For Equipment Without Operator, Deduct	-16,680.94	
	For >6 Months (>26 Weeks), Deduct	-84.00	
01 22 23 00-1450	Rear Dump Trucks (01 22 23 00-1421)		
01 22 23 00-1451	DAY 2.5 CY Rear Dump Truck With Full-Time Truck Driver	1,161.68	
	For Equipment Without Operator, Deduct	-777.08	
01 22 23 00-1452	WK 2.5 CY Rear Dump Truck With Full-Time Truck Driver	4,901.23	
	For Equipment Without Operator, Deduct	-3,885.39	
01 22 23 00-1453	MO 2.5 CY Rear Dump Truck With Full-Time Truck Driver	19,946.90	
	For Equipment Without Operator, Deduct	-16,836.68	
	For >6 Months (>26 Weeks), Deduct	-124.41	
01 22 23 00-1454	DAY 3 To 4 CY Rear Dump Truck With Full-Time Truck Driver	1,289.18	
	For Equipment Without Operator, Deduct	-777.08	
01 22 23 00-1455	WK 3 To 4 CY Rear Dump Truck With Full-Time Truck Driver	5,296.27	
	For Equipment Without Operator, Deduct	-3,885.39	
01 22 23 00-1456	MO 3 To 4 CY Rear Dump Truck With Full-Time Truck Driver	20,494.53	
	For Equipment Without Operator, Deduct	-16,836.68	
	For >6 Months (>26 Weeks), Deduct	-146.31	
01 22 23 00-1457	DAY 5 To 6 CY Rear Dump Truck With Full-Time Truck Driver	1,362.34	
	For Equipment Without Operator, Deduct	-777.08	
01 22 23 00-1458	WK 5 To 6 CY Rear Dump Truck With Full-Time Truck Driver	5,453.04	
	For Equipment Without Operator, Deduct	-3,885.39	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1459	MO	5 To 6 CY Rear Dump Truck With Full-Time Truck Driver	20,599.04	
		<i>For Equipment Without Operator, Deduct</i>	-16,836.68	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-150.49	
01 22 23 00-1460	DAY	12 To 14 CY Rear Dump Truck With Full-Time Truck Driver	2,229.77	
		<i>For Equipment Without Operator, Deduct</i>	-777.08	
01 22 23 00-1461	WK	12 To 14 CY Rear Dump Truck With Full-Time Truck Driver	7,240.16	
		<i>For Equipment Without Operator, Deduct</i>	-3,885.39	
01 22 23 00-1462	MO	12 To 14 CY Rear Dump Truck With Full-Time Truck Driver	25,615.52	
		<i>For Equipment Without Operator, Deduct</i>	-16,836.68	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-351.15	
01 22 23 00-1463	DAY	18 CY Rear Dump Truck With Full-Time Truck Driver	2,375.04	
		<i>For Equipment Without Operator, Deduct</i>	-777.08	
01 22 23 00-1464	WK	18 CY Rear Dump Truck With Full-Time Truck Driver	7,575.64	
		<i>For Equipment Without Operator, Deduct</i>	-3,885.39	
01 22 23 00-1465	MO	18 CY Rear Dump Truck With Full-Time Truck Driver	26,493.40	
		<i>For Equipment Without Operator, Deduct</i>	-16,836.68	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-386.27	
01 22 23 00-1466 Tractor-Trailer Trucks (01 22 23 00-1421)				
01 22 23 00-1467	DAY	Tractor, Truck, Diesel Powered, 4x2, 35,000 GVW, 329 HP, With Full Time Truck Driver	1,886.08	
		<i>For Equipment Without Operator, Deduct</i>	-777.08	
01 22 23 00-1468	WK	Tractor, Truck, Diesel Powered, 4x2, 35,000 GVW, 329 HP, With Full Time Truck Driver	8,321.42	
		<i>For Equipment Without Operator, Deduct</i>	-3,885.39	
01 22 23 00-1469	MO	Tractor, Truck, Diesel Powered, 4x2, 35,000 GVW, 329 HP, With Full Time Truck Driver	32,689.57	
		<i>For Equipment Without Operator, Deduct</i>	-16,836.68	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-634.12	
01 22 23 00-1470	DAY	Tractor, Truck, Diesel Powered, 6x4, 75,000 GVW, 400 HP, With Full Time Truck Driver	2,242.44	
		<i>For Equipment Without Operator, Deduct</i>	-777.08	
01 22 23 00-1471	WK	Tractor, Truck, Diesel Powered, 6x4, 75,000 GVW, 400 HP, With Full Time Truck Driver	9,746.86	
		<i>For Equipment Without Operator, Deduct</i>	-3,885.39	
01 22 23 00-1472	MO	Tractor, Truck, Diesel Powered, 6x4, 75,000 GVW, 400 HP, With Full Time Truck Driver	37,762.90	
		<i>For Equipment Without Operator, Deduct</i>	-16,836.68	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-837.05	
01 22 23 00-1473 Vacuum Trucks (01 22 23 00-1421)				
01 22 23 00-1474	DAY	5,000 Gallon Vacuum Truck With Full-Time Truck Driver	2,219.32	
		<i>For Equipment Without Operator, Deduct</i>	-777.08	
01 22 23 00-1475	WK	5,000 Gallon Vacuum Truck With Full-Time Truck Driver	8,228.83	
		<i>For Equipment Without Operator, Deduct</i>	-3,885.39	
01 22 23 00-1476	MO	5,000 Gallon Vacuum Truck With Full-Time Truck Driver	29,653.79	
		<i>For Equipment Without Operator, Deduct</i>	-16,836.68	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-512.68	
01 22 23 00-1477 Water Trucks (01 22 23 00-1421)				
Note: Includes pump and 1-1/2" Diameter x 50' water hose. See CSI section 01 22 23 00-1213 for additional discharge hose, 01 22 23 00-1505 for water trailer.				
01 22 23 00-1478	DAY	2,000 Gallon Water Truck With Full-Time Driver	1,423.55	
		<i>For Equipment Without Operator, Deduct</i>	-777.08	
		<i>For Each 1,000 Gallon Of Purchased Water, Add</i>	14.94	
01 22 23 00-1479	WK	2,000 Gallon Water Truck With Full-Time Driver	5,587.76	
		<i>For Equipment Without Operator, Deduct</i>	-3,885.39	
		<i>For Each 1,000 Gallon Of Purchased Water, Add</i>	14.94	
01 22 23 00-1480	MO	2,000 Gallon Water Truck With Full-Time Driver	20,859.16	
		<i>For Equipment Without Operator, Deduct</i>	-16,836.68	
		<i>For Each 1,000 Gallon Of Purchased Water, Add</i>	14.94	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-160.90	
01 22 23 00-1481	DAY	3,700 To 4,000 Gallon Water Truck With Full-Time Truck Driver	1,739.60	
		<i>For Equipment Without Operator, Deduct</i>	-777.08	
		<i>For Each 1,000 Gallon Of Purchased Water, Add</i>	14.94	
01 22 23 00-1482	WK	3,700 To 4,000 Gallon Water Truck With Full-Time Truck Driver	6,535.92	
		<i>For Equipment Without Operator, Deduct</i>	-3,885.39	
		<i>For Each 1,000 Gallon Of Purchased Water, Add</i>	14.94	
01 22 23 00-1483	MO	3,700 To 4,000 Gallon Water Truck With Full-Time Truck Driver	23,301.38	
		<i>For Equipment Without Operator, Deduct</i>	-16,836.68	
		<i>For Each 1,000 Gallon Of Purchased Water, Add</i>	14.94	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-258.59	
01 22 23 00-1484 Traffic Control Truck With Mounted Impact Attenuators/Crash Cushions And Arrow Board (01 22 23 00-1421)				
01 22 23 00-1485	DAY	Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver	1,515.30	
		<i>For Equipment Without Operator, Deduct</i>	-769.89	
01 22 23 00-1486	WK	Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver	6,049.37	
		<i>For Equipment Without Operator, Deduct</i>	-3,849.45	
01 22 23 00-1487	MO	Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver	22,023.37	
		<i>For Equipment Without Operator, Deduct</i>	-16,680.94	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-213.70	
01 22 23 00-1488 Combination Jet/Vacuum Trucks (01 22 23 00-1421)				
01 22 23 00-1489	DAY	500 Gallon Water, 6 CY Debris, Combination Jet/Vacuum Truck With Full-Time Truck Driver	3,320.69	
		<i>For Equipment Without Operator, Deduct</i>	-777.08	

01	General Requirements
01 20	Price and Payment Procedures
01 22	Unit Prices

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-1490	WK	500 Gallon Water, 6 CY Debris, Combination Jet/Vacuum Truck With Full-Time Truck Driver	15,792.55	
		<i>For Equipment Without Operator, Deduct</i>	-3,885.39	
01 22 23 00-1491	DAY	1,000 Gallon Water, 10 CY Debris, Combination Jet/Vacuum Truck With Full-Time Truck Driver	3,764.54	
		<i>For Equipment Without Operator, Deduct</i>	-777.08	
01 22 23 00-1492	WK	1,000 Gallon Water, 10 CY Debris, Combination Jet/Vacuum Truck With Full-Time Truck Driver	18,374.57	
		<i>For Equipment Without Operator, Deduct</i>	-3,885.39	
01 22 23 00-1493	DAY	2,000 Gallon Water, 15 CY Debris, Combination Jet/Vacuum Truck With Full-Time Truck Driver	4,191.32	
		<i>For Equipment Without Operator, Deduct</i>	-777.08	
01 22 23 00-1494	WK	2,000 Gallon Water, 15 CY Debris, Combination Jet/Vacuum Truck With Full-Time Truck Driver	20,956.59	
		<i>For Equipment Without Operator, Deduct</i>	-3,885.39	

01 22 23 00-1495 **Straight/Box Trucks** (01 22 23 00-1421)

01 22 23 00-1496	DAY	18,000 Lb. Capacity, 24' Straight/Box Truck With Full-Time Truck Driver	905.43	
		Note: Includes 2,500 Lb. lift gate.		
		<i>For Equipment Without Operator, Deduct</i>	-777.08	
01 22 23 00-1497	WK	18,000 Lb. Capacity, 24' Straight/Box Truck With Full-Time Truck Driver	4,527.15	
		Note: Includes 2,500 Lb. lift gate.		
		<i>For Equipment Without Operator, Deduct</i>	-3,885.39	
01 22 23 00-1498	MO	18,000 Lb. Capacity, 24' Straight/Box Truck With Full-Time Truck Driver	18,731.08	
		Note: Includes 2,500 Lb. lift gate.		
		<i>For Equipment Without Operator, Deduct</i>	-16,836.68	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-75.78	

01 22 23 00-1499 **Truck Mounted Accessories** (01 22 23 00-1420)

Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-1500 **Truck Mounted Arrow Boards** (01 22 23 00-1499)

01 22 23 00-1501	DAY	Truck Mounted Arrow Board	55.92	
01 22 23 00-1502	WK	Truck Mounted Arrow Board	222.39	
01 22 23 00-1503	MO	Truck Mounted Arrow Board	792.98	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-31.72	

01 22 23 00-1504 **Trailers** (01 22 23 00-1420)

Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-1505 **Water Trailers With Pump** (01 22 23 00-1504)

01 22 23 00-1506	DAY	500 To 600 Gallon Water Trailer With Pump	165.21	
01 22 23 00-1507	WK	500 To 600 Gallon Water Trailer With Pump	423.80	
01 22 23 00-1508	MO	500 To 600 Gallon Water Trailer With Pump	1,134.91	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-45.40	

01 22 23 00-1509 **Manual Powered, Full, Rear Dump Trailer** (01 22 23 00-1504)

01 22 23 00-1510	DAY	10 CY, Manual Powered, Full, Rear Dump Trailer	238.94	
01 22 23 00-1511	WK	10 CY, Manual Powered, Full, Rear Dump Trailer	953.94	
01 22 23 00-1512	MO	10 CY, Manual Powered, Full, Rear Dump Trailer	3,417.08	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-136.68	
01 22 23 00-1513	DAY	13 CY, Manual Powered, Full, Rear Dump Trailer	274.57	
01 22 23 00-1514	WK	13 CY, Manual Powered, Full, Rear Dump Trailer	1,098.28	
01 22 23 00-1515	MO	13 CY, Manual Powered, Full, Rear Dump Trailer	3,919.38	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-156.78	
01 22 23 00-1516	DAY	16 CY, Manual Powered, Full, Rear Dump Trailer	307.73	
01 22 23 00-1517	WK	16 CY, Manual Powered, Full, Rear Dump Trailer	1,221.72	
01 22 23 00-1518	MO	16 CY, Manual Powered, Full, Rear Dump Trailer	4,348.45	
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-173.94	

01 22 23 00-1519 **Hydraulic Lift, Rear Dump Trailers** (01 22 23 00-1504)

01 22 23 00-1520	DAY	30 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer	274.90	
01 22 23 00-1521	WK	30 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer	1,190.26	
01 22 23 00-1522	MO	30 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer	4,457.01	
01 22 23 00-1523	DAY	40 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer	340.13	
01 22 23 00-1524	WK	40 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer	1,479.53	
01 22 23 00-1525	DAY	40 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer	5,521.97	
01 22 23 00-1526	DAY	60 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer	444.78	
01 22 23 00-1527	WK	60 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer	1,919.88	
01 22 23 00-1528	MO	60 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer	7,172.85	
01 22 23 00-1529	DAY	80 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer	469.84	
01 22 23 00-1530	WK	80 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer	2,017.54	
01 22 23 00-1531	MO	80 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer	7,508.19	
01 22 23 00-1532	DAY	100 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer	482.00	
01 22 23 00-1533	WK	100 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer	2,069.13	
01 22 23 00-1534	MO	100 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer	7,723.76	

01 22 23 00-1535 **Trailer Mounted Equipment** (01 22 23 00-1420)
01 22 23 00-1536 **Trailer Mounted Under-Bridge Aerial Access Platform** (01 22 23 00-1535)

Note: Includes full-time operator. Excludes truck.

01 22 23 00-1537	DAY	Trailer Mounted Under-Bridge Aerial Access 32' With Full-Time Operator	2,988.58	
		<i>For Equipment Without Operator, Deduct</i>	-777.08	
01 22 23 00-1538	WK	Trailer Mounted Under-Bridge Aerial Access 32' With Full-Time Operator	10,519.88	
		<i>For Equipment Without Operator, Deduct</i>	-3,885.39	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-1539	MO Trailer Mounted Under-Bridge Aerial Access 32' With Full-Time Operator	35,265.82
	For Equipment Without Operator, Deduct	-16,836.68
	For >6 Months (>26 Weeks) , Deduct	-737.17
01 22 23 00-1540	DAY Trailer Mounted Under-Bridge Aerial Access 35' With Full-Time Operator	3,209.73
	For Equipment Without Operator, Deduct	-777.08
01 22 23 00-1541	WK Trailer Mounted Under-Bridge Aerial Access 35' With Full-Time Operator	11,183.33
	For Equipment Without Operator, Deduct	-3,885.39
01 22 23 00-1542	MO Trailer Mounted Under-Bridge Aerial Access 35' With Full-Time Operator	37,108.73
	For Equipment Without Operator, Deduct	-16,836.68
	For >6 Months (>26 Weeks) , Deduct	-810.88

01 22 23 00-1543	Trailer Mounted Bridge Stripping Buggy (01 22 23 00-1539)	
01 22 23 00-1544	DAY Trailer Mounted Bridge Overhang Stripping Buggy	250.95
01 22 23 00-1545	WK Trailer Mounted Bridge Overhang Stripping Buggy	752.87
01 22 23 00-1546	MO Trailer Mounted Bridge Overhang Stripping Buggy	2,091.22
	For >6 Months (>26 Weeks) , Deduct	-83.65

01 22 23 00-1547	Portable Trailer Mounted, CCTV Camera Systems (01 22 23 00-1535)	
	Note: Includes trailer. Excludes truck.	
01 22 23 00-1548	MO Portable Trailer Mounted, Single Camera, CCTV Camera System	2,904.75
	For >6 Months (>26 Weeks) , Deduct	-116.19
01 22 23 00-1549	MO Portable Trailer Mounted, Multi-Camera/Loud Speaker, CCTV Camera System	5,034.90
	For >6 Months (>26 Weeks) , Deduct	-201.40

01 26 Contract Modification Procedures (01 20)

01 26 13 Requests for Interpretation (01 26)

01 26 13 00-0001	NTE Requests for Interpretation	0.00
	Note: For specification publishing. Review specifications for requirements.	

01 29 Payment Procedures (01 20)

01 29 73 Schedule of Values (01 29)

	Note: For specification publishing. Review specifications for requirements.	
01 29 73 00-0001	NTE Schedule of Values	0.00
	Note: For specification publishing. Review specifications for requirements.	

01 30 Administrative Requirements (01)

01 31 Project Management and Coordination (01 30)

01 31 13 Project Coordination (01 31)

	Note: For specification publishing. Review specifications for requirements.	
01 31 13 00-0001	NTE Project Coordination	0.00
	Note: For specification publishing. Review specifications for requirements.	

01 31 33 Project Minimum Labor Costs (01 31)

01 31 33 00-0001	Minimum Charge (01 31 33)	
	Note: Use item exclusively for projects when the sum of line items is less than the minimum charge per occurrence. Item should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Item quantity is 1, unless approved by owner.	
01 31 33 00-0002	EA Brick Layer Minimum Charge	560.42
	Note: For projects where the total charge is less than the minimum charge. Use this item exclusively. This task should not be used in conjunction with any other tasks.	
01 31 33 00-0003	EA Carpenter Minimum Charge	1,141.95
	Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	
01 31 33 00-0004	EA Carpet, Linoleum Minimum Charge	723.44
	Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	
01 31 33 00-0005	EA Cement Mason Minimum Charge	831.05
	Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	
01 31 33 00-0006	EA Drywall Finisher Minimum Charge	1,056.97
	Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	
01 31 33 00-0007	EA Drywall Installer Minimum Charge	1,107.61
	Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	
01 31 33 00-0008	EA Electrician Minimum Charge	1,082.83
	Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	
01 31 33 00-0009	EA Glazier Minimum Charge	859.07
	Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	
01 31 33 00-0010	EA Insulator Minimum Charge	1,024.04
	Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	
01 31 33 00-0011	EA Laborer Minimum Charge	737.96
	Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	

01	General Requirements
01 30	Administrative Requirements
01 31	Project Management and Coordination

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 31 33 00-0012	EA	Landscape Maintenance Worker Minimum Charge	862.96	
		Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.		
01 31 33 00-0013	EA	Ornamental Metal Worker Minimum Charge.....	1,014.83	
		Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.		
01 31 33 00-0014	EA	Painter, Ordinary Minimum Charge	754.58	
		Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.		
01 31 33 00-0015	EA	Plasterer Minimum Charge	1,037.20	
		Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.		
01 31 33 00-0016	EA	Plumber Minimum Charge	1,182.96	
		Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.		
01 31 33 00-0017	EA	Roofer, Tile/Slate Minimum Charge.....	1,119.76	
		Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.		
01 31 33 00-0018	EA	Roofer, Composite Built-Up Minimum Charge	1,169.95	
		Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.		
01 31 33 00-0019	EA	Roofer, Composite, Shingles Minimum Charge	609.97	
		Note: Use this item exclusively for work not in CTC. This task should not be used in conjunction with any other tasks.		
01 31 33 00-0020	EA	Sheet Metal Worker Minimum Charge.....	1,502.98	
		Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.		
01 31 33 00-0021	EA	Sprinkler Installer Minimum Charge.....	989.49	
		Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.		
01 31 33 00-0022	EA	Tile Layer (Floor) Minimum Charge	967.61	
		Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.		

01 32 Construction Progress Documentation (01 30)**01 32 26 Construction Progress Reporting** (01 32)

01 32 26 00-0001	NTE	Construction Progress Reporting.....	0.00	
		Note: For specification publishing. Review specifications for requirements.		

01 32 33 Photographic Documentation (01 32)**01 32 33 00-0001 Photography** (01 32 33)

Note: Excludes QC photographs. As requested by owner.

01 32 33 00-0002	EA	3-1/2" x 5" Color Print Photograph	3.26	
01 32 33 00-0003	EA	4" x 6" Color Print Photograph	4.35	
01 32 33 00-0004	EA	5" x 7" Color Print Photograph	8.83	
01 32 33 00-0005	EA	8" x 10" Color Print Photograph	14.71	

01 32 33 00-0006 Aerial Survey And Photography (01 32 33)

Note: Cost per single location, 15 to 20 photos, up to 6 proofs developed, pictures 8" x 10" or 8-1/2" x 11".

01 32 33 00-0007	EA	Aerial Photography, 1 Site Within City, 15-20 Photos, 6 Proofs.....	2,572.75	
		For Each Additional City Location, 15-20 Photos, 6 Proofs, Add	175.00	
		For Each Mile Outside The City Area, Add	3.00	
		For Color Prints Instead Of Black And White, Add	771.83	
01 32 33 00-0008	EA	5 Minute Aerial Video With 3 Tapes And 11 x 14 Still Photograph	2,867.22	
		For Each Additional City Location, 15-20 Photos, 6 Proofs, Add	175.00	
		For Each Mile Outside The City Area, Add	3.00	
01 32 33 00-0009	HR	Aerial Tour Of Project Site Up To 3 Passengers (Helicopter)	1,937.31	

01 33 Submittal Procedures (01 30)

Note: For specification publishing. Review specifications for requirements.

01 33 00 00-0001	NTE	Submittal Procedures.....	0.00	
		Note: For specification publishing. Review specifications for requirements.		

01 35 Special Procedures (01 30)**01 35 29 Health, Safety, and Emergency Response Procedures** (01 35)

See CSI section 02 90 00 00-0000 for disaster recovery task.

01 35 29 00-0001 Emergency Response (01 35 29)

See CSI section 01 22 23 00-0000 for portable equipment usage (air compressors, generators, lighting, etc.), 01 52 13 00-0040 for container usage.

01 35 29 00-0002	MI	Trucking Delivery Of 20' Shipping Container	2.70	
01 35 29 00-0003	MI	Trucking Delivery Of 40' Shipping Container	5.40	

01 35 33 Infection Control Procedures (01 35)

See CSI section 02 87 19 00-0000 for Bio-Hazard And Infectious Disease Control Remediation.

01 35 43 Environmental Procedures (01 35)**01 35 43 13 Environmental Procedures For Hazardous Materials** (01 35 43)

Note: For specification publishing. Refer to specifications for requirements.

		General Requirements	01	Σ
		Administrative Requirements	01 30	
		Special Procedures	01 35	
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
		UNIT COST	UNIT COST	

01 35 43 13-0001	NTE	Environmental Procedures For Hazardous Materials	0.00
Note: For specification publishing. Refer to specifications for requirements.			

01 40 Quality Requirements ⁽⁰¹⁾

01 41 Regulatory Requirements ^(01 40)

01 41 26	Permit Requirements ^(01 41)
See CSI section 01 22 16 00-0001 for reimbursable fees.	

01 42 References ^(01 40)

01 42 13	Abbreviations and Acronyms ^(01 42)
Note: For specification publishing. Review specifications for requirements.	
01 42 13 00-0001	NTE Abbreviations And Acronyms.....0.00
Note: For specification publishing. Review specifications for requirements.	

01 42 16	Definitions ^(01 42)
Note: For specification publishing. Review specifications for requirements.	
01 42 16 00-0001	NTE Definitions.....0.00
Note: For specification publishing. Review specifications for requirements.	

01 42 19	Reference Standards ^(01 42)
Note: For specification publishing. Review specifications for requirements.	
01 42 19 00-0001	NTE Reference Standards.....0.00
Note: For specification publishing. Review specifications for requirements.	

01 42 21	Construction Suppliers or Venor List ^(01 42)
Note: For specification publishing. Review specifications for requirements.	
01 42 21 00-0001	NTE Construction Suppliers or Venor List .....0.00
Note: For specification publishing. Review specifications for requirements.	

01 45 Quality Control ^(01 40)

Note: Refer to section specifications for testing included with other sections.

01 45 23	Testing and Inspecting Services ^(01 45)
Note: For application to existing materials/site conditions or additional testing over specifications stated tests. Includes acquisition and maintenance of sample (for laboratory tests) to include shipping as required, applicable equipment for field tests, and appropriate test reports.	

01 45 23 00-0001	Soils/Aggregate Testing ^(01 45 23)
01 45 23 00-0002	Field Soils Tests ^(01 45 23 00-0001)
01 45 23 00-0003	EA Plasticity Index Soils Test, ASTM D-4318, Field Soils Test.....353.86
01 45 23 00-0004	EA 4" Compaction Curves Soils Test, ASTM D-1557, Field Soils Test .....502.26
01 45 23 00-0005	EA 6" Compaction Curves Soils Test, ASTM D-1557, Field Soils Test .....570.75
01 45 23 00-0006	EA Resistance (R) Value Soils Test, CA 301, Field Soils Test.....456.60
01 45 23 00-0007	EA Soils Classification Test, ASTM D-2487, Field Soils Test.....684.90
01 45 23 00-0008	SET Cement Treated Base Laboratory Design, Soil Cement, Field Soils Test.....1,369.34
01 45 23 00-0009	EA Moisture Content, Field Soils Test.....51.35
01 45 23 00-0010	EA UBC Or Swell Test, Field Soils Test.....136.98
01 45 23 00-0011	EA Proctor Compaction 4" Standard Mold ASTM D698, Field Soils Test.....342.33
01 45 23 00-0012	EA Proctor Compaction 6" Standard Mold, Field Soils Test.....427.92
01 45 23 00-0013	EA Density And Classification Test, Field Soils Test .....104.27
01 45 23 00-0014	EA Percolation Test, Field Soils Test .....260.67
01 45 23 00-0015	EA Infiltration Test, Field Soils Test.....521.35

01 45 23 00-0016	Aggregate Testing ^(01 45 23 00-0001)
01 45 23 00-0017	EA Coarse Aggregate Sieve Analysis Test, ASTM C-136, CA 202.....114.15
01 45 23 00-0018	EA Fine Aggregate Sieve Analysis Test, ASTM C-136, CA 202 .....205.47
01 45 23 00-0019	EA Combined Aggregate Sieve Analysis Test, ASTM C-136, CA 202 .....285.38
01 45 23 00-0020	EA Sieve Analysis, Pit Run, ASTM C136 .....169.44
Note: Includes wash.	
01 45 23 00-0021	EA Specific Special Gravity, Course, ASTM C127 .....181.37
Note: Includes absorption test.	
01 45 23 00-0022	EA Special Gravity, Fine, ASTM C127 .....162.61
Note: Includes absorption test.	
01 45 23 00-0023	EA Coarse Aggregate Bulk SSD Specific Gravity Test, ASTM C-128.....241.83
01 45 23 00-0024	EA Fine Aggregate Bulk SSD Specific Gravity Test, ASTM C-128 .....228.30
01 45 23 00-0025	EA Aggregate Cleanness Value, ASTM C-128, CA 227.....228.30
01 45 23 00-0026	EA Sand Equivalent, Average of 3 Tests, ASTM D2419, CA 217 .....171.22
01 45 23 00-0027	EA Fine Aggregate Durability Index, CA 229.....182.64
01 45 23 00-0028	EA Sodium And Magnesium Soundness, ASTM C88 .....479.27
01 45 23 00-0029	EA Los Angeles Rattler, ASTM C-131, CA 211.....365.28
01 45 23 00-0030	EA Los Angeles Rattler, ASTM C-535.....365.28
01 45 23 00-0031	EA Unit Weight Of Aggregates, ASTM C29.....102.74
01 45 23 00-0032	EA Organic Impurities In Sand, ASTM C40.....102.70
01 45 23 00-0033	EA Crushed Particle, ASTM California Test Method .....102.70
01 45 23 00-0034	EA Clay Lump And Friable Particles, ASTM C142 .....205.40

01 General Requirements**01 40 Quality Requirements****01 45 Quality Control**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

01 45 23 00-0035		Permeability Tests (01 45 23 00-0001)	
01 45 23 00-0036		In-Place Tests (01 45 23 00-0035)	
01 45 23 00-0037	EA	Double Ring Infiltrometer Test, ASTM D3385	1,813.72
01 45 23 00-0038	EA	Unconfined Compressive Strength (Pocket Penetrometer) Test	85.58
01 45 23 00-0039		Lab Tests (01 45 23 00-0035)	
01 45 23 00-0040	EA	Falling Head Rigid Wall Consolidometer Technique CAE	846.40
01 45 23 00-0041	EA	Falling Head Permeability Test EPA-9100	846.40
01 45 23 00-0042	EA	Constant Head Permeability Test For Granular Soils, ASTM D2432	483.66
01 45 23 00-0043		Concrete/Cement/Asphalt Testing (01 45 23)	
01 45 23 00-0044		Concrete Testing (01 45 23 00-0043)	
01 45 23 00-0045	EA	Prepare 6 x 12 Concrete Cylinder And Deliver To Lab	25.49
01 45 23 00-0046	EA	6 x 12 Cylinder Concrete Compression Test, ASTM C-39 Or ASTM D1633	72.55
01 45 23 00-0047	EA	Concrete Cores Compression Test, ASTM C-42	148.40
01 45 23 00-0048	EA	6 x 6 x 18 Concrete Flexural Test, ASTM C-78	216.88
01 45 23 00-0049	EA	Unit Weight Of Concrete Cylinder, ASTM C-567	79.90
01 45 23 00-0050	EA	Concrete Mix Design Review	433.77
01 45 23 00-0051	EA	Trial Concrete Batch Prepared In Laboratory	1,027.35
01 45 23 00-0052	EA	Concrete Shrinkage, ASTM C-157 Modified	799.05
01 45 23 00-0053	EA	6 x 12 Concrete Cylinder Splitting Tensile Test, ASTM C-496	123.28
01 45 23 00-0054	EA	Concrete Slump Test, ASTM C143	57.08
01 45 23 00-0055	EA	Concrete Air Content Test, ASTM C138, ASTM C173, Or ASTM C231	57.08
01 45 23 00-0056		Cement Testing (01 45 23 00-0043)	
01 45 23 00-0057	EA	Cement Grab Sample (CCR Title 24)	57.08
		Note: Includes sealing and storing 1 year.	
01 45 23 00-0058	EA	2" x 2" x 2" Cube Compression Test, All Type Materials	91.32
01 45 23 00-0059		Asphaltic Concrete Testing (01 45 23 00-0043)	
01 45 23 00-0060	EA	Hveem Asphaltic Concrete Stability Test, CA 366	114.15
01 45 23 00-0061	EA	Marshall Asphaltic Concrete Stability Test (3 Specimens), ASTM D-6926/6927	296.79
01 45 23 00-0062	EA	Stability Tests, Premixed, ASTM D1559	114.15
01 45 23 00-0063	EA	Stability Tests, Lab. Mixed, ASTM D1559	296.79
01 45 23 00-0064	EA	Swell Test, CA 305	136.98
		Note: Includes compaction.	
01 45 23 00-0065	EA	% Asphalt Extraction Test, ASTM D-2172 B	342.45
01 45 23 00-0066	EA	Gradation On Extracted Sample, ASTM D-5444	228.30
01 45 23 00-0067	EA	Maximum Theoretical Unit Weight, ASTM C2041	217.65
01 45 23 00-0068	EA	Unit Weight Sample Requiring Compaction, California Test Method 308	45.66
01 45 23 00-0069	EA	Asphalt Unit Weight On Core Test, CA 308C	45.66
01 45 23 00-0070	HR	Nuclear Field Density Testing, 4 Hour Minimum	235.15
01 45 23 00-0071	EA	Asphalt Film Stripping Test, CTM 302/AASHTO T182/ASTM D1664	117.30
01 45 23 00-0072	EA	Penetration, ASTM D5	164.90
01 45 23 00-0073		Masonry/Concrete Block/Tile Testing (01 45 23)	
01 45 23 00-0074		Masonry Testing (01 45 23 00-0073)	
01 45 23 00-0075	EA	2" x 4" Cylinder Mortar Compression Test	75.34
01 45 23 00-0076	EA	4" x 4" x 8" Grout Prisms Compression Test	75.34
01 45 23 00-0077	EA	Masonry Cores Compression Test	148.40
01 45 23 00-0078	EA	Composite Grouted Prism Compression Test	285.38
01 45 23 00-0079		Concrete Block Testing (ASTM C140 Or CMA Per Specimen) (01 45 23 00-0073)	
01 45 23 00-0080	EA	Up To 8" x 8" x 16" Concrete Block Compression Test, ASTM C-140	182.64
01 45 23 00-0081	EA	Absorption Test, Moisture Content And Unit Weight	125.56
01 45 23 00-0082	EA	First Unit, Moisture Condition By Relative Humidity, ASTM C427	479.27
01 45 23 00-0083	EA	Moisture Condition By Relative Humidity, ASTM C427, Additional Unit	239.63
01 45 23 00-0084		Metals Testing (01 45 23)	
01 45 23 00-0085		Tank Line Tightness Testing (01 45 23 00-0084)	
01 45 23 00-0086	EA	Up To 12,000 Gallons, Tank Line Volumetric Tightness Testing	472.26
01 45 23 00-0087	EA	>12,000 To 29,999 Gallons, Tank Line Volumetric Tightness Testing	524.40
01 45 23 00-0088	EA	>29,999 Gallons, Tank Line Volumetric Tightness Testing	576.35
01 45 23 00-0089		Other Testing (01 45 23)	
01 45 23 00-0090		Special Testing (01 45 23 00-0089)	
01 45 23 00-0091	EA	Asphalt Roofing Cutout Samples, To Determine Unit Weight	171.17
01 45 23 00-0092	EA	Complete Built-Up Roof Analysis, ASTM D2829 Or ASTM D3617	1,027.00
01 45 23 00-0093	EA	Bacteria Test (Total Coliform Bacteria And E. Coli Bacteria)	53.35
01 45 23 00-0094	EA	Testing For The Presence Of Polychlorinated Biphenyl (PCB) In Caulk, Analysis Per Sample	221.30
01 45 23 00-0095	EA	Testing For The Presence Of Polychlorinated Biphenyl (PCB) In Soil, Analysis Per Sample	221.30
01 45 23 00-0096	EA	Testing For The Presence Of Polychlorinated Biphenyl (PCB) Using Wipe Sampling, Analysis Per Sample	221.30

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 45 23 00-0097	EA		Testing For The Presence Of Polychlorinated Biphenyl (PCB) In Air, Analysis Per Sample	1,217.15	
01 45 23 00-0098	EA		Testing And Certification Of Backflow Valves	574.38	
01 45 23 00-0099			Non-destructive Field Testing Services (01 45 23 00-0099)		
01 45 23 00-0100			Infrared Thermography (01 45 23 00-0099) Note: The following tasks use certified infrared (IR) thermographers, such as Stockton Infrared Thermographic Services, Inc. and United Infrared, Inc., to scan for specific problems and produce a report on the findings. The contractor is entitled to the mobilization charge and the appropriate square foot or hourly task.		
01 45 23 00-0101			Roof Investigation And Moisture Survey Using Infrared Thermography (01 45 23 00-0100) Note: For on the roof surveys.		
01 45 23 00-0102	EA		Roof Investigation And Moisture Survey Using Infrared Thermography, Mobilization Charge	3,983.40	
01 45 23 00-0103	CSF		Up To 10,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography	6.64	
			For CADD Drawings, Add	1.33	
01 45 23 00-0104	CSF		>10,000 To 50,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography	4.43	
			For CADD Drawings, Add	0.89	
01 45 23 00-0105	CSF		>50,000 To 250,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography	3.32	
			For CADD Drawings, Add	0.66	
			For Elevated Infrared Thermography Roof Investigation, Add	0.83	
			For Aerial Infrared Thermography Roof Investigation, Add	0.83	
01 45 23 00-0106	CSF		>250,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography	2.21	
			For CADD Drawings, Add	0.44	
			For Elevated Infrared Thermography Roof Investigation, Add	0.55	
			For Aerial Infrared Thermography Roof Investigation, Add	0.55	
01 45 23 00-0107			Building Moisture Investigation Using Infrared Thermography (01 45 23 00-0100) Note: For finding moisture in walls and windows.		
01 45 23 00-0108	EA		Building Moisture Investigation Using Infrared Thermography, Mobilization Charge	2,102.35	
01 45 23 00-0109	CSF		Up To 1,000 SF, Building Moisture Investigation Using Infrared Thermography	6.64	
			For Digital Or Analog Recording Of All Items, Add	3.32	
01 45 23 00-0110	CSF		>1,000 To 5,000 SF, Building Moisture Investigation Using Infrared Thermography	4.43	
			For Digital Or Analog Recording Of All Items, Add	2.22	
01 45 23 00-0111	CSF		>5,000 SF, Building Moisture Investigation Using Infrared Thermography	2.21	
			For Digital Or Analog Recording Of All Items, Add	1.11	
01 45 23 00-0112			General Building Investigation Using Infrared Thermography (01 45 23 00-0100) Note: For finding missing or misplaced insulation, air leakage and delamination.		
01 45 23 00-0113	EA		General Building Investigation Using Infrared Thermography, Mobilization Charge	4,315.35	
01 45 23 00-0114	CSF		Up To 1,000 SF, General Building Investigation Using Infrared Thermography	6.64	
			For Digital Or Analog Recording Of All Items, Add	3.32	
01 45 23 00-0115	CSF		>1,000 To 5,000 SF, General Building Investigation Using Infrared Thermography	4.43	
			For Digital Or Analog Recording Of All Items, Add	2.22	
01 45 23 00-0116	CSF		>5,000 SF, General Building Investigation Using Infrared Thermography	2.21	
			For Digital Or Analog Recording Of All Items, Add	1.11	
01 45 23 00-0117			Electrical /Mechanical Equipment Scanning Using Infrared Thermography (01 45 23 00-0100) Note: For diagnosing electrical issues such as loose connections, overloaded or imbalanced circuits, faulty breakers, damaged switches, faulty fuses, etc. For diagnosing electrical issues caused by resistance and mechanical issues caused by friction.		
01 45 23 00-0118	EA		Electrical /Mechanical Equipment Scanning Using Infrared Thermography, Mobilization Charge	2,102.35	
01 45 23 00-0119	HR		Electrical /Mechanical Equipment Scanning Using Infrared Thermography	208.93	
			For Digital Or Analog Recording Of All Items, Add	31.27	
01 45 23 00-0120			Concrete Block Wall Investigation Using Infrared Thermography (01 45 23 00-0100) Note: For investigating issues with grouted cells, bond beams and other structural components in concrete block walls.		
01 45 23 00-0121	EA		Concrete Block Wall Investigation Using Infrared Thermography, Mobilization Charge	2,102.35	
01 45 23 00-0122	CSF		Up To 50,000 SF, Concrete Block Wall Investigation Using Infrared Thermography	6.64	
			For Digital Or Analog Recording Of All Items, Add	1.00	
01 45 23 00-0123	CSF		>50,000 SF, Concrete Block Wall Investigation Using Infrared Thermography	4.43	
			For Digital Or Analog Recording Of All Items, Add	0.66	
01 45 23 00-0124			Other Non-destructive Field Testing Services (01 45 23 00-0099)		
01 45 23 00-0125	HR		ASNT Certified Level I NDT Consultant	68.80	
01 45 23 00-0126	HR		ASNT Certified Level II NDT Consultant	76.65	
01 45 23 00-0127	HR		ASNT Certified Level III NDT Consultant	89.20	
01 45 23 00-0128	HR		Certified Industrial Radiography Radiation Safety Personnel	99.72	
01 45 23 00-0129			Testing Professional Services (01 45 23 00-0099)		
01 45 23 00-0130	HR		Concrete, Steel, Masonry, Expansion Anchor And Soils Inspection	212.32	
01 45 23 00-0131	HR		Laboratory Technician	205.47	
01 45 23 00-0132	HR		Portable Digital Reinforcement Scanner	296.79	
01 45 23 00-0133	HR		Subsurface Detection Radar System	502.26	
01 45 23 00-0134	HR		Pavement Rehabilitation Analysis Using Deflectors	570.75	
01 45 23 00-0135			Concrete Slab Moisture Testing (01 45 23 00-0099)		
01 45 23 00-0136	EA		Concrete Slab, Moisture Emission Determination For Floor Covering On Existing Concrete	162.73	

10	01	General Requirements
	01 40	Quality Requirements
	01 45	Quality Control

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 45 29 Testing Laboratory Services (01 45)

Note: For application to existing materials/site conditions or additional testing over specifications stated tests.

01 45 29 00-0001 Soil Borings Laboratory Tests (01 45 29)

01 45 29 00-0002	EA	Atterberg Limits - Liquid Limits (LL) And Plastic Limits (PL), T89, T90, ASTM D4318, Soil Borings Laboratory Test.....	157.19
01 45 29 00-0003	EA	Shrinkage Limit, Soil Borings Laboratory Test.....	50.15
01 45 29 00-0004	EA	Unconfined Compressive Strength of Cohesive Soils, Soil Borings Laboratory Test.....	120.92
01 45 29 00-0005	EA	Consolidation, Soil Borings Laboratory Test.....	846.40
01 45 29 00-0006	EA	Swell Test, Soil Borings Laboratory Test.....	132.70
01 45 29 00-0007	EA	In Place Density, Soil Borings Laboratory Test.....	36.27
01 45 29 00-0008	EA	Moisture Content, ASTM D2216, Soil Borings Laboratory Test.....	22.53
01 45 29 00-0009	EA	Hydrometer Analysis, Soil Borings Laboratory Test.....	290.95
01 45 29 00-0010	EA	Specific Gravity, ASTM D854, Soil Borings Laboratory Test.....	101.43
01 45 29 00-0011	EA	Partial Sieve Analysis, Soil Borings Laboratory Test.....	20.06
01 45 29 00-0012	EA	Laboratory Permeability, Soil Borings Laboratory Test.....	1,002.97
01 45 29 00-0013	EA	Sieve Analysis, ASTM D422, Soil Borings Laboratory Test.....	202.87
01 45 29 00-0014	EA	Sulfate Soundness, Soil Borings Laboratory Test.....	250.74
01 45 29 00-0015	EA	Los Angeles Abrasion, Soil Borings Laboratory Test.....	464.14
01 45 29 00-0016	EA	Soil Bearing Ratio, ASTM D1883.....	513.68
01 45 29 00-0017	EA	Compaction Test Subgrade, Soil Borings Laboratory Test.....	150.45
01 45 29 00-0018	EA	Compaction Test Base Course, Soil Borings Laboratory Test.....	167.16
01 45 29 00-0019	EA	In Place Density And Water Content Test By Nuclear Methods, ASTM D6938, Soil Borings Laboratory Test.....	358.78
01 45 29 00-0020	EA	Field Density Sand Cone, AASHTO T-191, ASTM D1556, Soil Borings Laboratory Test.....	76.89

01 50 Temporary Facilities and Controls (01)

Note: Tasks in this section shall be used as directed by owner.

01 51 Temporary Utilities (01 50)

01 51 13 Temporary Electricity (01 51)

01 51 13 00-0001 Temporary Service Switch And/or Building Feeder Switch (01 51 13)

Note: Includes all connections and removal after use.

01 51 13 00-0002	EA	Temporary 100 Amperes, NEMA 1 Or 3R, Disconnect Switch With Fuses	1,521.32
01 51 13 00-0003	EA	Temporary 200 Amperes, NEMA 1 Or 3R, Disconnect Switch With Fuses	2,356.56
01 51 13 00-0004	EA	Temporary 400 Amperes, 240 Volt, NEMA 3R, Disconnect Switch With Fuses	4,335.74
01 51 13 00-0005	EA	Temporary 600 Amperes, 240 Volt, NEMA 3R, Disconnect Switch With Fuses	7,167.56
01 51 13 00-0006	EA	Temporary 800 Amperes, 240 Volt, NEMA 3R, Disconnect Switch With Fuses	9,884.02
01 51 13 00-0007	EA	Temporary 1,200 Amperes, 240 Volt, NEMA 3R, Disconnect Switch With Fuses	15,935.47
01 51 13 00-0008	EA	Temporary 2,000 Amperes, 240 Volt, NEMA 3R, Disconnect Switch With Fuses	22,167.85

01 51 13 00-0009 Temporary 120/208 Volt Main Lug Panelboard Complete With Branch Fuses (01 51 13)

Note: Includes mounting on wall and removal after use.

01 51 13 00-0010	EA	Temporary 100 Amperes, Panelboard Complete With GFCI Circuit Breakers.....	1,593.63
01 51 13 00-0011	EA	Temporary 200 Amperes, Panelboard Complete With GFCI Circuit Breakers.....	2,210.84
01 51 13 00-0012	EA	Temporary 400 Amperes, Panelboard Complete With GFCI Circuit Breakers.....	3,463.01
01 51 13 00-0013	EA	Temporary 600 Amperes, Panelboard Complete With GFCI Circuit Breakers.....	4,900.85

01 51 13 00-0014 Temporary Conduit And Cable For Temporary Disconnect Switches And Temporary Panelboards (01 51 13)

Note: Includes all connections, fittings, supports and removal after use.

01 51 13 00-0015	LF	Temporary SER Cable (Conduit As Required) For Temporary Disconnect Switches And Temporary Panelboards	12.18
01 51 13 00-0016	LF	Temporary Branch Circuit Conduit And Wiring For Temporary Disconnect Switches And Temporary Panelboards	13.35

01 51 26 Temporary Lighting (01 51)

01 51 26 00-0001 Temporary Lighting Devices (01 51 26)

Note: Includes removal after use.

01 51 26 00-0002	EA	Temporary Exit Light.....	291.37
01 51 26 00-0003	EA	Temporary 10 Light String With Cages.....	104.72
01 51 26 00-0004	EA	Temporary High Bay Light	392.69

01 52 Construction Facilities (01 50)

Note: Tasks in this section shall be used as directed by owner for owner's use. See CSI section 13 34 23 13-0030 for anchors for holding down portable buildings and structures where required.

01 52 13 Field Offices and Sheds (01 52)

01 52 13 00-0001 Field Offices and Office Trailers (01 52 13)

Note: Includes toilet, central HVAC, interior doors and partitions. Excludes furniture, utility connections, or service. For Loss Damage Waiver or General Liability Insurance when requested use Reimbursable Fees. Minimum 6 months rental. See CSI section 01 52 13 00-0015 for furniture, skirting, and steps.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 52 13 00-0002	MO	8' x 24' Mobile Office, With Toilet.....	243.93	
		For Each Delivery And Removal, Two Round Trips, Add	1,255.23	
		For Each Set-Up (Block And Level), Add	821.86	
		For Each Anchoring Into Dirt, Add Per Each Anchor	230.02	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	321.58	
		For Knockdown, Add	751.18	
		For Office Trailer Without Toilet, Deduct	-48.79	
01 52 13 00-0003	MO	8' x 32' Mobile Office, With Toilet.....	276.44	
		For Each Delivery And Removal, Two Round Trips, Add	1,255.23	
		For Each Set-Up (Block And Level), Add	821.86	
		For Each Anchoring Into Dirt, Add Per Each Anchor	230.02	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	321.58	
		For Knockdown, Add	751.18	
		For Office Trailer Without Toilet, Deduct	-55.29	
01 52 13 00-0004	MO	10' x 36' Mobile Office, With Toilet.....	374.02	
		For Each Delivery And Removal, Two Round Trips, Add	2,401.80	
		For Each Set-Up (Block And Level), Add	1,291.59	
		For Each Anchoring Into Dirt, Add Per Each Anchor	230.02	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	321.58	
		For Knockdown, Add	1,125.25	
		For Office Trailer Without Toilet, Deduct	-74.80	
01 52 13 00-0005	MO	10' x 40' Mobile Office, With Toilet.....	398.41	
		For Each Delivery And Removal, Two Round Trips, Add	2,401.80	
		For Each Set-Up (Block And Level), Add	1,291.59	
		For Each Anchoring Into Dirt, Add Per Each Anchor	230.02	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	321.58	
		For Knockdown, Add	1,125.25	
		For Office Trailer Without Toilet, Deduct	-79.68	
01 52 13 00-0006	MO	10' x 44' Mobile Office, With Toilet.....	439.06	
		For Each Delivery And Removal, Two Round Trips, Add	2,401.80	
		For Each Set-Up (Block And Level), Add	1,291.59	
		For Each Anchoring Into Dirt, Add Per Each Anchor	230.02	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	321.58	
		For Knockdown, Add	1,125.25	
01 52 13 00-0007	MO	10' x 50' Mobile Office, With Toilet.....	463.46	
		For Each Delivery And Removal, Two Round Trips, Add	2,401.80	
		For Each Set-Up (Block And Level), Add	1,291.59	
		For Each Anchoring Into Dirt, Add Per Each Anchor	230.02	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	321.58	
		For Knockdown, Add	1,125.25	
01 52 13 00-0008	MO	12' x 32' Mobile Office, With Toilet.....	376.49	
		For Each Anchoring Into Dirt, Add Per Each Anchor	230.02	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	321.58	
		For Knockdown, Add	1,125.25	
		For Each Delivery And Removal, Two Round Trips, Add	751.06	
		For Each Set-Up (Block And Level), Add	587.88	
01 52 13 00-0009	MO	12' x 44' Mobile Office, With Toilet.....	503.36	
		For Each Delivery And Removal, Two Round Trips, Add	2,401.80	
		For Each Set-Up (Block And Level), Add	1,291.59	
		For Each Anchoring Into Dirt, Add Per Each Anchor	230.02	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	321.58	
		For Knockdown, Add	1,125.25	
01 52 13 00-0010	MO	12' x 50' Mobile Office, With Toilet.....	599.24	
		For Each Delivery And Removal, Two Round Trips, Add	2,401.80	
		For Each Set-Up (Block And Level), Add	1,291.59	
		For Each Anchoring Into Dirt, Add Per Each Anchor	230.02	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	321.58	
		For Knockdown, Add	1,125.25	
01 52 13 00-0011	MO	12' x 60' Mobile Office, With Toilet.....	828.52	
		For Each Delivery And Removal, Two Round Trips, Add	2,401.80	
		For Each Set-Up (Block And Level), Add	1,291.59	
		For Each Anchoring Into Dirt, Add Per Each Anchor	230.02	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	321.58	
		For Knockdown, Add	1,125.25	
01 52 13 00-0012	MO	24' x 60' Modular Office, With Toilet	1,300.91	
		For Each Delivery And Removal, Two Round Trips, Add	3,765.68	
		For Each Set-Up (Block And Level), Add	2,301.00	
		For Each Anchoring Into Dirt, Add Per Each Anchor	230.02	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	321.58	
		For Knockdown, Add	2,253.55	
01 52 13 00-0013	MO	24' x 72' Modular Office, With Toilet	1,561.10	
		For Each Delivery And Removal, Two Round Trips, Add	3,765.68	
		For Each Set-Up (Block And Level), Add	2,301.00	
		For Each Anchoring Into Dirt, Add Per Each Anchor	230.02	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	321.58	
		For Knockdown, Add	2,253.55	
01 52 13 00-0014	MO	30' x 30' Modular Office, With Toilet	816.12	
		For Each Delivery And Removal, Two Round Trips, Add	3,765.68	
		For Each Set-Up (Block And Level), Add	2,301.00	
		For Each Anchoring Into Dirt, Add Per Each Anchor	230.02	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	321.58	
		For Knockdown, Add	2,253.55	
01 52 13 00-0015		Accessories For Field Office Trailers (01 52 13)		
		Note: Costs includes installation or placement in trailer.		
01 52 13 00-0016	MO	Desk For Field Office Trailer	41.23	
01 52 13 00-0017	MO	Rolling Desk Chair For Field Office Trailer	25.77	
01 52 13 00-0018	MO	File Cabinet For Field Office Trailer	30.92	
01 52 13 00-0019	MO	Table For Field Office Trailer	20.61	
01 52 13 00-0020	MO	Folding Chair For Field Office Trailer	9.76	

01	General Requirements
01 50	Temporary Facilities and Controls
01 52	Construction Facilities

MINOR	CSI	UOM	DESCRIPTION
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TOTAL DIRECT	DEMOLITION
UNIT COST	UNIT COST

01 52 13 00-0021	EA	Phone Hook-Up For Field Office Trailer.....	113.37	
01 52 13 00-0022	MO	Local Hardwired Phone or Data Service Per Phone Line For Field Office Trailer	82.45	
01 52 13 00-0023	MO	Security System With Monitoring For Field Office Trailer.....	129.90	
01 52 13 00-0024	LF	Perimeter Trailer Vinyl Skirting For Field Office Trailer.....	16.35	
01 52 13 00-0025	LF	Insulated Perimeter Trailer Vinyl Skirting For Field Office Trailer	38.73	
01 52 13 00-0026	MO	Steps For Field Office Trailer.....	71.16	
01 52 13 00-0027	MO	Steps With Canopy For Field Office Trailer.....	118.48	
01 52 13 00-0028	MO	Fax Machine For Field Office Trailer.....	44.17	
01 52 13 00-0029	YR	Single Port Firewall Router	326.69	
01 52 13 00-0030	YR	8 Port Ethernet Switch	113.96	
01 52 13 00-0031	YR	16 Port Ethernet Switch	143.48	
01 52 13 00-0032	YR	Cisco Modular Router, #1751	1,057.46	
01 52 13 00-0033	YR	Wyse 3235LE System.....	809.27	
01 52 13 00-0034	YR	Desktop Computer Workstation With 17" Monitor.....	1,087.68	
01 52 13 00-0035	YR	Laserjet 4200TN Printer.....	1,228.16	
01 52 13 00-0036	YR	Mobile Communication Device, Motorola CT250	507.97	
01 52 13 00-0037	YR	Laser Fax Machine, Brother Intellifax-4750	484.13	
01 52 13 00-0038	YR	Copier With 3 Paper Trays, Sorter, Collating And Zoom	637.93	
01 52 13 00-0039	MO	Copier For Field Office Trailer.....	82.45	

01 52 13 00-0040 Storage Containers (01 52 13)

01 52 13 00-0041	MO	8' x 8' x 10' Storage Container	135.52	
		For Each Delivery And Removal, Two Round Trips, Add	114.00	
		For >12 Months, Deduct	-40.66	
01 52 13 00-0042	MO	8' x 8' x 20' Storage Container	141.68	
		For Each Delivery And Removal, Two Round Trips, Add	125.40	
		For >12 Months, Deduct	-42.50	
01 52 13 00-0043	MO	8' x 8' x 40' Storage Container	167.55	
		For Each Delivery And Removal, Two Round Trips, Add	252.55	
		For >12 Months, Deduct	-50.27	
01 52 13 00-0044	EA	Relocate Up To 100' Storage Container On Site	210.09	
01 52 13 00-0045	EA	Relocate >100' To 300' Storage Container On Site	262.62	
01 52 13 00-0046	EA	Relocate >300' To 500' Storage Container On Site	367.66	
01 52 13 00-0047	EA	Relocate >500' Storage Container On Site.....	420.18	

01 52 19 Sanitary Facilities (01 52)

01 52 19 00-0001 Portable Toilets (01 52 19)

Note: Includes set-up, servicing once per week (unless task states otherwise) and removal.

01 52 19 00-0002	WK	Portable Chemical Toilet.....	65.30	
		For Each Additional Servicing Per Unit Per Week, Add	25.00	
		For Each Delivery And Set-up, Add	39.11	
01 52 19 00-0003	MO	Portable Chemical Toilet.....	195.89	
		For Each Additional Servicing Per Unit Per Week, Add	25.00	
		For Each Delivery And Set-up, Add	39.11	
01 52 19 00-0004	WK	Americans With Disabilities Act Compliant Portable Chemical Toilet	77.88	
		For Each Additional Servicing Per Unit Per Week, Add	25.00	
		For Each Delivery And Set-up, Add	39.11	
01 52 19 00-0005	MO	Americans With Disabilities Act Compliant Portable Chemical Toilet	228.54	
		For Each Additional Servicing Per Unit Per Week, Add	25.00	
		For Each Delivery And Set-up, Add	39.11	
01 52 19 00-0006	WK	Two Station Portable Handwash.....	56.43	
		For Each Delivery And Set-up, Add	39.11	
01 52 19 00-0007	MO	Two Station Portable Handwash.....	171.18	
		For Each Delivery And Set-up, Add	39.11	
01 52 19 00-0008	MO	6 Station, Portable Toilets, Multi Trailer	6,052.32	
		Note: Includes women's room (3 toilets, 2 sinks) and men's room (1 toilet, 1 urinal and 1 sink). Excludes servicing.		
		For Each Delivery, Set-up And Removal, Two Round Trips, Add	1,211.59	
01 52 19 00-0009	WK	Service 6 Station Trailer Restrooms, 3 Times Per Week.....	2,105.24	
		For One Additional Service Per Week, Add	701.74	
		Note: For one less service per week, UOM to be negative one (-1)		

01 53 Temporary Construction (01 50)

01 53 16 Temporary Decking (01 53)

01 53 16 00-0001 Temporary Walkways And Railings (01 53 16)

Note: Includes removal after use.

01 53 16 00-0002	SF	Temporary Wood Walkway, 3/4" Plywood On 2 x 6 Stringers	8.34	
01 53 16 00-0003	LF	Temporary Wooden Guardrail, 42" High, Posts, Handrail, And Intermediate Rail	36.62	
01 53 16 00-0004	LF	Temporary Wood Guardrail Base, 12" x 12" Timber Beam.....	15.66	
01 53 16 00-0005	RSR	Temporary Wood Stairs, Tread And Riser On 2" x 12" Stringers.....	28.05	

01 53 23 Temporary Ramps (01 53)

01 53 23 00-0001 Temporary Plywood For Wheel Barrow Access (01 53 23)

Note: Includes removal after use.

01 53 23 00-0002	SF	Temporary Plywood For Wheel Barrow Access.....	1.71	0.55
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01 54 Construction Aids (01 50)

01 54 09 Personnel Protection Equipment (01 54)

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 54 09 00-0001	Personnel Protection Equipment (01 54 09) Note: Personnel Protection Equipment (PPE) for workers safety is considered as part of the Contractor's and Workers responsibility. Includes, but are not limited to; protective work gloves, hearing protection, protective clothing, reflective vests, safety glasses or face shields, dust masks, hard hats, appropriate foot protection (slip resistant, puncture-resistant soles, safety-toed), safety harnesses with lifeline, etc. Review JOC Note and specifications for requirements.	
01 54 09 00-0002	NTE Personnel Protection Equipment	0.00
Note: For specification publishing. Review specifications for requirements.		
01 54 23	Temporary Scaffolding and Platforms (01 54)	
01 54 23 00-0001	Scaffolding (01 54 23) Note: Additional scaffolding rental for work above the normal working height.	
01 54 23 00-0002	Scaffolding Rental - Rental Only (01 54 23 00-0001) Note: Monthly rental of actual scaffolding volume rented. Scaffolding is complete with bracing, 2" thick x 12" wide scaffolding planks, scaffolding stairs (where necessary in lieu of planks), standard accessories, base leveling devices, mud sills, climbing ladders and landings, brackets, clamps and building ties, etc. See CSI section 01 54 23 00-0006 for scaffolding erection and dismantling.	
01 54 23 00-0003	CCF Scaffolding With Bracing Accessories - Area Based On 5' Wide Sections (CCF / Month).....	37.17
	For Up To 25, Add	14.87
	For >25 To 50, Add	9.29
	For >50 To 150, Add	3.72
01 54 23 00-0004	CCF Scaffolding With Bracing Accessories - Area Based On 4' Wide Sections (CCF / Month).....	41.80
	For Up To 25, Add	16.72
	For >25 To 50, Add	10.45
	For >50 To 150, Add	4.18
01 54 23 00-0005	CCF Scaffolding With Bracing Accessories - Area Based On 3' Wide Sections (CCF / Month).....	55.76
	For Up To 25, Add	22.30
	For >25 To 50, Add	13.94
	For >50 To 150, Add	5.58
01 54 23 00-0006	Scaffolding Erection And Dismantling - Labor Only (01 54 23 00-0001) Note: Includes both initial erection and final dismantling Excludes lifting equipment. The unit of measure is the volume of scaffolding erected. See CSI section 01 54 23 00-0002 for scaffolding rental.	
01 54 23 00-0007	CCF Up To 20' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	49.66
01 54 23 00-0008	CCF >20' To 40' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	65.12
01 54 23 00-0009	CCF >40' To 60' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	86.90
01 54 23 00-0010	CCF >60' To 80' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	95.60
01 54 23 00-0011	CCF >80' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	110.08
01 54 23 00-0012	CCF Up To 20' Height Scaffolding Initial Erection And Final Dismantling Set Up On Stairs, Per CCF Of Scaffolding And Accessories	69.53
01 54 23 00-0013	Heavy-Duty Masonry Scaffolding Rental - Rental Only (01 54 23 00-0001) Note: Monthly rental of actual scaffolding volume rented. For projects over 2 stories. Scaffolding is complete with bracing, 2" thick x 12" wide scaffolding planks, scaffolding stairs (where necessary in lieu of planks), standard accessories, base leveling devices, mud sills, climbing ladders and landings, brackets, clamps, flat plate, connectors and building ties, etc. See CSI section 01 54 23 00-0019 for erection.	
01 54 23 00-0014	CCF Heavy-Duty Masonry Scaffolding With Bracing Accessories - Area Based On 4' Wide Sections (CCF / Month)	70.43
01 54 23 00-0015	CCF Heavy-Duty Masonry Scaffolding With Bracing Accessories - Area Based On 2' Wide Sections (CCF / Month)	129.12
01 54 23 00-0016	LF Aluminum Joists (LF / Month)	11.45
01 54 23 00-0017	LF Aluminum Stringers (LF / Month)	16.42
01 54 23 00-0018	EA Screw Jack With U-Plate For Stringers (EA / Month).....	20.69
01 54 23 00-0019	Heavy-Duty Masonry Scaffolding Erection And Dismantling - Labor Only (01 54 23 00-0001) Note: Includes both initial erection and final dismantling Excludes lifting equipment. The unit of measure is the volume of scaffolding erected. See CSI section 01 54 23 00-0013 for scaffolding rental.	
01 54 23 00-0020	CCF Up To 20' Height Heavy-Duty Masonry Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.....	92.70
01 54 23 00-0021	CCF >20' To 40' Height Heavy-Duty Masonry Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.....	115.88
01 54 23 00-0022	CCF >40' To 60' Height Heavy-Duty Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.....	139.05
01 54 23 00-0023	CCF >60' To 80' Height Heavy-Duty Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.....	150.64
01 54 23 00-0024	CCF >80' Height Heavy-Duty Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.....	168.02
01 54 23 00-0025	Scaffolding Accessories (01 54 23 00-0001) See CSI section 01 54 23 00-0019 for erection.	
01 54 23 00-0026	CSF Netting for Exterior Building Scaffolding	42.70
Note: Includes removal after use.		
01 54 23 00-0027	Rolling Scaffolding (01 54 23) Note: Includes moving and relocating scaffolding on site. Excludes initial erection and final dismantling of scaffold.	
01 54 23 00-0028	DAY >14' To 20', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	13.25
01 54 23 00-0029	WK >14' To 20', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	53.09
01 54 23 00-0030	MO >14' To 20', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	212.33
01 54 23 00-0031	DAY >20' To 40', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	22.18
01 54 23 00-0032	WK >20' To 40', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	88.83

01 General Requirements
01 50 Temporary Facilities and Controls
01 54 Construction Aids

MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

01 54 23 00-0033	MO	>20' To 40', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	355.35
01 54 23 00-0034	EA	>14' To 20', Rolling Scaffolding Initial Erection And Final Dismantling For Each Scaffold	112.09
01 54 23 00-0035	EA	>20' To 40', Rolling Scaffolding Initial Erection And Final Dismantling For Each Scaffold	140.11

01 54 23 00-0036 Shoring Posts (01 54 23)

01 54 23 00-0037	DAY	6'-6" To 11' Extension, 5,000 Lb. Capacity, Steel Shoring Post	2.15
01 54 23 00-0038	WK	6'-6" To 11' Extension, 5,000 Lb. Capacity, Steel Shoring Post	8.60
01 54 23 00-0039	MO	6'-6" To 11' Extension, 5,000 Lb. Capacity, Steel Shoring Post	25.81
01 54 23 00-0040	EA	Initial Erection And Final Dismantling For Each Shoring Post	8.97
		For >20 To 50, Deduct	-1.35
		For >50 To 100, Deduct	-3.14
		For >100, Deduct	-4.93

01 54 23 00-0041 Temporary Lumber, Single Use (01 54 23)

Note: Includes removal after use.

01 54 23 00-0042	SF	5/16" CD Grade Plywood, Temporary Lumber	2.72
01 54 23 00-0043	SF	1/2" CD Grade Plywood, Temporary Lumber	3.04
01 54 23 00-0044	SF	5/8" CD Grade Plywood, Temporary Lumber	3.39
01 54 23 00-0045	SF	3/4" CD Grade Plywood, Temporary Lumber	3.73
01 54 23 00-0046	SF	1" CD Grade Plywood, Temporary Lumber	5.45
01 54 23 00-0047	LF	2" x 4" Temporary Lumber	3.46
01 54 23 00-0048	LF	2" x 6" Temporary Lumber	4.37
01 54 23 00-0049	LF	2" x 8" Temporary Lumber	5.29
01 54 23 00-0050	LF	2" x 10" Temporary Lumber	6.21
01 54 23 00-0051	LF	2" x 12" Temporary Lumber	7.13
01 54 23 00-0052	LF	3" x 8" Temporary Lumber	7.13
01 54 23 00-0053	LF	3" x 10" Temporary Lumber	8.50
01 54 23 00-0054	LF	3" x 12" Temporary Lumber	9.89
01 54 23 00-0055	LF	4" x 4" Temporary Lumber	4.66
01 54 23 00-0056	LF	4" x 6" Temporary Lumber	6.67
01 54 23 00-0057	LF	6" x 6" Temporary Lumber	8.67
01 54 23 00-0058	LF	6" x 8" Temporary Lumber	11.26
01 54 23 00-0059	LF	12" x 12" Temporary Lumber	27.44

01 54 23 00-0060 Temporary Precast Concrete Blocks (01 54 23)

Note: Includes removal after use.

01 54 23 00-0061	EA	2' x 2' x 2' Temporary Precast Concrete (Ecology) Block	120.35
		Note: Includes removal after use.	
01 54 23 00-0062	EA	2' x 2' x 4' Temporary Precast Concrete (Ecology) Block	150.44
		Note: Includes removal after use.	
01 54 23 00-0063	EA	2' x 2' x 8' Temporary Precast Concrete (Ecology) Block	196.34
		Note: Includes removal after use.	

01 54 26 Temporary Swing Staging (01 54)

Note: Up to one month rental. Includes connection to existing electrical outlet on roof, all necessary safety equipment for personnel and anchoring to existing roof anchors. Excludes installing roof anchors.

01 54 26 00-0001 Swing Stage (01 54 26)

Note: Up to one month rental. Includes connection to existing electrical outlet on roof, and all necessary safety equipment for personnel. Excludes installing roof anchors.

01 54 26 00-0002	MO	7' Swing Stage, Electric Operated	3,095.78
01 54 26 00-0003	MO	10' Swing Stage, Electric Operated	3,250.57
01 54 26 00-0004	MO	14' Swing Stage, Electric Operated	3,405.36
01 54 26 00-0005	MO	20' Swing Stage, Electric Operated	3,560.15
01 54 26 00-0006	MO	24' Swing Stage, Electric Operated	3,714.94
01 54 26 00-0007	MO	30' Swing Stage, Electric Operated	3,869.73
01 54 26 00-0008	MO	42' Swing Stage, Electric Operated	4,024.52
01 54 26 00-0009	MO	12' Swing Stage, Manually Operated	892.71
01 54 26 00-0010	MO	24' Swing Stage, Manually Operated	1,115.89
01 54 26 00-0011	EA	Swing Stage Platform From Hooks, Erection And Dismantling	4,778.38
		Note: Includes both initial erection and final dismantling of platform. Excludes anchors or temporary roof mounted outrigger system.	
01 54 26 00-0012	EA	Swing Stage Platform And Temporary Roof Mounted Outrigger System Erection And Dismantling	6,640.37
		Note: Includes both initial erection and final dismantling of temporary roof mounted outrigger system.	
01 54 26 00-0013	EA	Move Swing Stage Platform From Hooks To Different Location At Same Roof	2,512.58
01 54 26 00-0014	EA	Move Swing Stage Platform and Temporary Roof Mounted Outrigger System To Different Location At Same Roof	3,499.66

01 55 Vehicular Access and Parking (01 55)

01 55 23 Temporary Roads (01 55)

01 55 23 00-0001 Temporary Stabilized Construction Entrance (01 55 23)

Note: As per Caltrans detail.

01 55 23 00-0002	SF	3" To 4" Rock Temporary Stabilized Construction Entrance Assembly	3.02
		Note: Includes up to 12" excavation of pit, hauling and disposal of soil, filter fabric at base and sides, filled with rock, and compaction.	
01 55 23 00-0003	SF	>4" To 6" Rock Temporary Stabilized Construction Entrance Assembly	3.89
		Note: Includes up to 12" excavation of pit, hauling and disposal of soil, filter fabric at base and sides, filled with rock, and compaction.	

01 55 23 00-0004 Rumble Trench Plate (01 55 23)

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 23 00-0005	MO	8' x 10' Steel Rumble Trench Plate Rental	413.50	
01 55 23 00-0006	EA	Placement And Removal Of Rumble Plate	98.07	
		Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.		
01 55 23 00-0007	EA	Relocate And Adjust Location Of Rumble Plate.....	24.52	
		Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.		
01 55 23 00-0008		Temporary Road Ramps (Godwin) (01 55 23)		
		Note: Excludes asphalt and gravel.		
01 55 23 00-0009	EA	4" Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin).....	5,064.20	221.87
01 55 23 00-0010	EA	6" Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin).....	6,893.19	332.80
01 55 23 00-0011	EA	8" Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin).....	9,525.74	443.73
01 55 23 00-0012	EA	12" Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin).....	19,792.11	554.67
01 55 23 00-0013	EA	24" Pipeline, 15' Passable Vehicle Width, Temporary Road Ramp (Godwin).....	29,054.03	665.60
01 55 26		Traffic Control (01 55)		
01 55 26 00-0001		Temporary Removable Preformed Traffic Black Line Mask (01 55 26)		
		Note: Includes installation and removal after use.		
01 55 26 00-0002	LF	6" Removable Traffic Black Line Mask	5.34	
01 55 26 00-0003	LF	8" Removable Traffic Black Line Mask	6.46	
01 55 26 00-0004		Temporary Preformed Traffic Line Tape (01 55 26)		
		Note: Includes installation and removal after use.		
01 55 26 00-0005	LF	4" Reflective Removable Traffic Line Tape.....	5.40	
01 55 26 00-0006	LF	6" Reflective Removable Traffic Line Tape.....	7.38	
01 55 26 00-0007	LF	8" Reflective Removable Traffic Line Tape.....	9.26	
01 55 26 00-0008		Temporary Painted Traffic Lines (01 55 26)		
		Note: Includes installation and removal after use.		
01 55 26 00-0009	LF	4" Temporary Painted Traffic Lines	2.36	
		Note: Includes removal after use		
		For Not Removed, Deduct	-1.65	
01 55 26 00-0010	LF	6" Temporary Painted Traffic Lines	3.11	
		Note: Includes removal after use		
		For Not Removed, Deduct	-2.23	
01 55 26 00-0011	LF	8" Temporary Painted Traffic Lines	3.91	
		Note: Includes removal after use		
		For Not Removed, Deduct	-2.86	
01 55 26 00-0012		Temporary Pedestrian Traffic Control (01 55 26)		
01 55 26 00-0013	CLF	1", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Orange	10.11	
01 55 26 00-0014	CLF	2", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Orange	13.09	
01 55 26 00-0015	CLF	3/4", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Yellow	8.11	
01 55 26 00-0016	CLF	2", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Yellow	9.88	
01 55 26 00-0017	CLF	3", 4 Mil Polyethylene Printed Barricade Tape, Non-Fluorescent	10.66	
01 55 26 00-0018	CLF	6", 4 Mil Polyethylene Printed Barricade Tape, Non-Fluorescent	14.42	
01 55 26 00-0019	CLF	1" Exterior Vinyl Tape (Warning Tape)	11.83	
01 55 26 00-0020	CLF	2" Exterior Vinyl Tape (Warning Tape)	16.36	
01 55 26 00-0021	CLF	3" Exterior Vinyl Tape (Warning Tape)	20.28	
01 55 26 00-0022	CLF	4" Exterior Vinyl Tape (Warning Tape)	23.71	
01 55 26 00-0023		Linear Delineation System, Temporary Or Permanent (01 55 26)		
		Note: High visibility reflective sheeting strips. Scotchlite as manufactured by 3M.		
01 55 26 00-0024	LF	4" Linear Delineation System.....	11.64	
01 55 26 00-0025	LF	6" Linear Delineation System.....	15.78	
01 55 26 00-0026		Temporary Traffic Protection (01 55 26)		
01 55 26 00-0027		Temporary Portable Traffic Control Device Usage (01 55 26 00-0026)		
		Note: Excludes placing and removing devices. See CSI section 01 55 26 00-0138 for delivery, placing and removal.		
01 55 26 00-0028	DAY	28" Cone With Reflective Collar.....	0.89	
01 55 26 00-0029	WK	28" Cone With Reflective Collar.....	2.66	
01 55 26 00-0030	MO	28" Cone With Reflective Collar.....	7.99	
01 55 26 00-0031	DAY	36" Traffic Cone With Reflective Collar.....	1.11	
01 55 26 00-0032	WK	36" Traffic Cone With Reflective Collar.....	3.33	
01 55 26 00-0033	MO	36" Traffic Cone With Reflective Collar.....	9.99	
01 55 26 00-0034	DAY	Tubular Marker Delineator Guide Post With Base/Channelizing Guide Post.....	2.09	
01 55 26 00-0035	WK	Tubular Marker Delineator Guide Post With Base/Channelizing Guide Post.....	6.27	
01 55 26 00-0036	MO	Tubular Marker Delineator Guide Post With Base/Channelizing Guide Post.....	18.82	
01 55 26 00-0037	DAY	Vertical Panel.....	2.68	
01 55 26 00-0038	WK	Vertical Panel.....	8.04	
01 55 26 00-0039	MO	Vertical Panel.....	24.13	
01 55 26 00-0040	DAY	Channelizer Drum.....	2.91	
01 55 26 00-0041	WK	Channelizer Drum.....	8.73	
01 55 26 00-0042	MO	Channelizer Drum.....	26.20	
01 55 26 00-0043	DAY	Stackable Channelizer Panel.....	1.38	
01 55 26 00-0044	WK	Stackable Channelizer Panel.....	4.13	

01	General Requirements
01 50	Temporary Facilities and Controls
01 55	Vehicular Access and Parking

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 55 26 00-0045	MO	Stackable Channelizer Panel.....	12.39	
01 55 26 00-0046	DAY	Type I Barricade, Up To 3' Wide With Reflective Rail Each Side.....	1.91	
01 55 26 00-0047	WK	Type I Barricade, Up To 3' Wide With Reflective Rail Each Side.....	5.72	
01 55 26 00-0048	MO	Type I Barricade, Up To 3' Wide With Reflective Rail Each Side.....	17.16	
01 55 26 00-0049	DAY	Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side.....	4.23	
01 55 26 00-0050	WK	Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side.....	12.68	
01 55 26 00-0051	MO	Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side.....	38.03	
01 55 26 00-0052	DAY	Type III Barricade, Up To 5' Wide With Three Reflective Rails.....	4.82	
01 55 26 00-0053	WK	Type III Barricade, Up To 5' Wide With Three Reflective Rails.....	14.45	
01 55 26 00-0054	MO	Type III Barricade, Up To 5' Wide With Three Reflective Rails.....	43.34	
01 55 26 00-0055	DAY	Type III Barricade, >5' To 10' Wide With Three Reflective Rails.....	8.81	
01 55 26 00-0056	WK	Type III Barricade, >5' To 10' Wide With Three Reflective Rails.....	26.43	
01 55 26 00-0057	MO	Type III Barricade, >5' To 10' Wide With Three Reflective Rails.....	79.28	
01 55 26 00-0058	DAY	Up To 10' Wide A Frame Barricade.....	4.83	
01 55 26 00-0059	WK	Up To 10' Wide A Frame Barricade.....	14.49	
01 55 26 00-0060	MO	Up To 10' Wide A Frame Barricade.....	43.48	
01 55 26 00-0061	DAY	Type A Or C Flasher.....	0.98	
01 55 26 00-0062	WK	Type A Or C Flasher.....	2.95	
01 55 26 00-0063	MO	Type A Or C Flasher.....	8.86	
01 55 26 00-0064	DAY	Type B Flasher (High Intensity).....	5.34	
01 55 26 00-0065	WK	Type B Flasher (High Intensity).....	16.02	
01 55 26 00-0066	MO	Type B Flasher (High Intensity).....	48.07	

01 55 26 00-0067 Temporary Traffic Barriers Usage (01 55 26 00-0026)

Note: Excludes placing and removing devices. See CSI section 01 55 26 00-0138 for delivery, placing and removal.

01 55 26 00-0068	DAY	6' Long Portable Parking Curbs.....	2.30	
01 55 26 00-0069	WK	6' Long Portable Parking Curbs.....	6.90	
01 55 26 00-0070	MO	6' Long Portable Parking Curbs.....	20.71	
01 55 26 00-0071	DAY	6' Long Portable Speed Bumps.....	6.81	
01 55 26 00-0072	WK	6' Long Portable Speed Bumps.....	20.42	
01 55 26 00-0073	MO	6' Long Portable Speed Bumps.....	61.28	
01 55 26 00-0074	DAY	8' To 12.5' Concrete Traffic Barrier.....	16.36	
01 55 26 00-0075	WK	8' To 12.5' Concrete Traffic Barrier.....	49.07	
01 55 26 00-0076	MO	8' To 12.5' Concrete Traffic Barrier.....	147.21	
01 55 26 00-0077	DAY	>12.5' To 20' Concrete Traffic Barrier.....	32.71	
01 55 26 00-0078	WK	>12.5' To 20' Concrete Traffic Barrier.....	98.14	
01 55 26 00-0079	MO	>12.5' To 20' Concrete Traffic Barrier.....	294.42	
01 55 26 00-0080	DAY	6' x 32" Tall Plastic Water Barrier.....	19.53	
01 55 26 00-0081	WK	6' x 32" Tall Plastic Water Barrier.....	58.60	
01 55 26 00-0082	MO	6' x 32" Tall Plastic Water Barrier.....	175.80	
01 55 26 00-0083	DAY	6' x 46" Tall Plastic Water Barrier.....	27.89	
01 55 26 00-0084	WK	6' x 46" Tall Plastic Water Barrier.....	83.67	
01 55 26 00-0085	MO	6' x 46" Tall Plastic Water Barrier.....	251.02	
01 55 26 00-0086	DAY	Sand Filled Crash Attenuator Barrels.....	10.92	
01 55 26 00-0087	WK	Sand Filled Crash Attenuator Barrels.....	32.75	
01 55 26 00-0088	MO	Sand Filled Crash Attenuator Barrels.....	98.25	

01 55 26 00-0089 Temporary Portable Signs And Message Displays Usage (01 55 26 00-0026)

Note: Excludes placing and removing devices. See CSI section 01 55 26 00-0138 for delivery, placing and removal.

01 55 26 00-0090	DAY	Mesh Or Vinyl Roll-up Sign With Stand.....	8.57	
01 55 26 00-0091	WK	Mesh Or Vinyl Roll-up Sign With Stand.....	25.71	
01 55 26 00-0092	MO	Mesh Or Vinyl Roll-up Sign With Stand.....	77.14	
01 55 26 00-0093	DAY	18" x 18" Aluminum Construction Sign, With Portable Stand.....	3.10	
01 55 26 00-0094	WK	18" x 18" Aluminum Construction Sign, With Portable Stand.....	9.30	
01 55 26 00-0095	MO	18" x 18" Aluminum Construction Sign, With Portable Stand.....	27.89	
01 55 26 00-0096	DAY	30" x 24" Aluminum Construction Sign, With Portable Stand.....	4.01	
01 55 26 00-0097	WK	30" x 24" Aluminum Construction Sign, With Portable Stand.....	12.04	
01 55 26 00-0098	MO	30" x 24" Aluminum Construction Sign, With Portable Stand.....	36.11	
01 55 26 00-0099	DAY	30" x 30" Aluminum Construction Sign, With Portable Stand.....	3.64	
01 55 26 00-0100	WK	30" x 30" Aluminum Construction Sign, With Portable Stand.....	10.91	
01 55 26 00-0101	MO	30" x 30" Aluminum Construction Sign, With Portable Stand.....	32.74	
01 55 26 00-0102	DAY	48" x 18" Aluminum Construction Sign, With Portable Stand.....	4.32	
01 55 26 00-0103	WK	48" x 18" Aluminum Construction Sign, With Portable Stand.....	12.95	
01 55 26 00-0104	MO	48" x 18" Aluminum Construction Sign, With Portable Stand.....	38.86	
01 55 26 00-0105	DAY	48" x 24" Aluminum Construction Sign, With Portable Stand.....	4.93	
01 55 26 00-0106	WK	48" x 24" Aluminum Construction Sign, With Portable Stand.....	14.79	
01 55 26 00-0107	MO	48" x 24" Aluminum Construction Sign, With Portable Stand.....	44.37	
01 55 26 00-0108	DAY	48" x 30" Aluminum Construction Sign, With Portable Stand.....	5.54	
01 55 26 00-0109	WK	48" x 30" Aluminum Construction Sign, With Portable Stand.....	16.63	
01 55 26 00-0110	MO	48" x 30" Aluminum Construction Sign, With Portable Stand.....	49.88	
01 55 26 00-0111	DAY	48" x 36" Aluminum Construction Sign, With Portable Stand.....	6.15	
01 55 26 00-0112	WK	48" x 36" Aluminum Construction Sign, With Portable Stand.....	18.46	
01 55 26 00-0113	MO	48" x 36" Aluminum Construction Sign, With Portable Stand.....	55.39	
01 55 26 00-0114	DAY	48" x 48" Aluminum Construction Sign, With Portable Stand.....	7.38	
01 55 26 00-0115	WK	48" x 48" Aluminum Construction Sign, With Portable Stand.....	22.14	
01 55 26 00-0116	MO	48" x 48" Aluminum Construction Sign, With Portable Stand.....	66.42	
01 55 26 00-0117	DAY	60" x 24" Aluminum Construction Sign, With Portable Stand.....	8.02	
01 55 26 00-0118	WK	60" x 24" Aluminum Construction Sign, With Portable Stand.....	24.07	
01 55 26 00-0119	MO	60" x 24" Aluminum Construction Sign, With Portable Stand.....	72.21	
01 55 26 00-0120	DAY	60" x 30" Aluminum Construction Sign, With Portable Stand.....	8.79	
01 55 26 00-0121	WK	60" x 30" Aluminum Construction Sign, With Portable Stand.....	26.37	
01 55 26 00-0122	MO	60" x 30" Aluminum Construction Sign, With Portable Stand.....	79.10	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0123	DAY	60" x 36" Aluminum Construction Sign, With Portable Stand.....	9.55	
01 55 26 00-0124	WK	60" x 36" Aluminum Construction Sign, With Portable Stand.....	28.66	
01 55 26 00-0125	MO	60" x 36" Aluminum Construction Sign, With Portable Stand.....	85.99	
01 55 26 00-0126	DAY	Aluminum Sign And Post.....	4.22	
01 55 26 00-0127	WK	Aluminum Sign And Post.....	12.65	
01 55 26 00-0128	MO	Aluminum Sign And Post.....	37.94	
01 55 26 00-0129	DAY	Trailer Mounted Flashing Arrow Board.....	130.00	
01 55 26 00-0130	WK	Trailer Mounted Flashing Arrow Board.....	359.82	
01 55 26 00-0131	MO	Trailer Mounted Flashing Arrow Board.....	951.77	
01 55 26 00-0132	DAY	Trailer Mounted Portable Variable Message Sign (PVMS).....	292.50	
01 55 26 00-0133	WK	Trailer Mounted Portable Variable Message Sign (PVMS).....	780.00	
01 55 26 00-0134	MO	Trailer Mounted Portable Variable Message Sign (PVMS).....	1,560.00	
01 55 26 00-0135	DAY	Two Head, Trailer Mounted Traffic Signal System (Set Of Two).....	1,457.96	
		Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.		
01 55 26 00-0136	WK	Two Head, Trailer Mounted Traffic Signal System (Set Of Two).....	4,373.88	
		Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.		
01 55 26 00-0137	MO	Two Head, Trailer Mounted Traffic Signal System (Set Of Two).....	13,121.64	
		Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.		
01 55 26 00-0138		Place And Remove Temporary Traffic Protection Using Truck (01 55 26 00-0026)		
		Note: Includes delivery and return up to 15 miles. See CSI section 01 74 19 00-0045 for delivery >15 miles.		
01 55 26 00-0139	EA	Placement And Removal Of Up To 250 Cones Using Truck.....	3.87	
01 55 26 00-0140	EA	Placement And Removal Of >250 Cones Using Truck.....	3.39	
01 55 26 00-0141	EA	Placement And Removal Of Up To 250 Panels/Channelizers Using Truck.....	6.38	
01 55 26 00-0142	EA	Placement And Removal Of >250 Panels/Channelizers Using Truck.....	5.32	
01 55 26 00-0143	EA	Placement And Removal Of Up To 250 Barricades Using Truck.....	9.68	
01 55 26 00-0144	EA	Placement And Removal Of >250 Barricades Using Truck.....	7.74	
01 55 26 00-0145	EA	Placement And Removal Of Curbs/Speed Bumps Using Truck.....	9.68	
01 55 26 00-0146	EA	Placement And Removal Of Portable Sign And Stand Using Truck.....	5.81	
01 55 26 00-0147	EA	Placement And Removal Of Aluminum Sign And Post Using Truck.....	24.19	
01 55 26 00-0148	EA	Placement And Removal Of Trailer Mounted Boards And Signals Using Truck.....	72.57	
01 55 26 00-0149	EA	Placement And Removal Of Up To 12.5' Concrete Traffic Barrier.....	98.07	
		Note: If lifting equipment is not available on site, See CSI section 01 71 13 00-0000 for mobilization tasks.		
		For 1 Barrier, Add	245.18	
		For 2 Barriers, Add	88.26	
		For 3 Barriers, Add	29.42	
01 55 26 00-0150	EA	Placement And Removal Of >12.5' Concrete Traffic Barrier.....	147.12	
		Note: If lifting equipment is not available on site, See CSI section 01 71 13 00-0000 for mobilization tasks.		
		For 1 Barrier, Add	367.80	
		For 2 Barriers, Add	132.41	
		For 3 Barriers, Add	44.14	
01 55 26 00-0151	EA	Placement And Removal Of Plastic Water Barrier.....	56.51	
		Note: Includes water. If lifting equipment is not available on site, See CSI section 01 71 13 00-0000 for mobilization tasks.		
		For 1 Barrier, Add	122.60	
		For 2 Barriers, Add	44.14	
		For 3 Barriers, Add	14.71	
01 55 26 00-0152	EA	Placement And Removal Of Crash Attenuator Barrels.....	73.55	
		Note: If lifting equipment is not available on site, See CSI section 01 71 13 00-0000 for mobilization tasks.		
		For 1 Barrier, Add	183.88	
		For 2 Barriers, Add	66.20	
		For 3 Barriers, Add	22.07	
01 55 26 00-0153		Place And Remove Temporary Traffic Protection From Roadside (Daily) (01 55 26 00-0026)		
01 55 26 00-0154	EA	Placement And Removal Of Up To 250 Cones By Hand From Roadside.....	2.42	
01 55 26 00-0155	EA	Placement And Removal Of >250 Cones By Hand From Roadside.....	1.94	
01 55 26 00-0156	EA	Placement And Removal Of Up To 250 Panels/Channelizers By Hand From Roadside.....	3.23	
01 55 26 00-0157	EA	Placement And Removal Of >250 Panels/Channelizers By Hand From Roadside.....	2.57	
01 55 26 00-0158	EA	Placement And Removal Of Up To 250 Barricades By Hand From Roadside.....	4.84	
01 55 26 00-0159	EA	Placement And Removal Of >250 Barricades By Hand From Roadside.....	3.87	
01 55 26 00-0160	EA	Placement And Removal Of Portable Sign And Stand From Roadside.....	2.87	
01 55 26 00-0161	EA	Placement And Removal Of Trailer Mounted Boards And Signals From Roadside.....	36.29	
01 55 26 00-0162	EA	Roadside Relocation Of Concrete Traffic Barrier.....	49.04	
		Note: Excludes flatbed truck. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rental tasks, 01 71 13 00-0000 for mobilization.		
01 55 26 00-0163		Place And Remove Temporary Signs For Detours (01 55 26 00-0026)		
01 55 26 00-0164		Temporary Reflectorized Signs For Detours (01 55 26 00-0163)		
		Note: Excludes posts.		
01 55 26 00-0165		Temporary Aluminum Engineer Grade Stop Signs For Detours (01 55 26 00-0164)		
01 55 26 00-0166	EA	Temporary 18" x 18" Aluminum Engineer Grade Stop Sign For Detours.....	83.74	
		For Hi-Intensity Grade, Add	6.95	
		For Diamond Grade, Add	13.21	
01 55 26 00-0167	EA	Temporary 18" x 24" Aluminum Engineer Grade Stop Sign For Detours.....	94.23	
		For Hi-Intensity Grade, Add	9.09	
		For Diamond Grade, Add	17.27	
01 55 26 00-0168	EA	Temporary 24" x 24" Aluminum Engineer Grade Stop Sign For Detours.....	101.18	
		For Hi-Intensity Grade, Add	13.89	
		For Diamond Grade, Add	22.02	

01 General Requirements
01 50 Temporary Facilities and Controls
01 55 Vehicular Access and Parking

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
01 55 26 00-0169	EA Temporary 30" x 30" Aluminum Engineer Grade Stop Sign For Detours <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	114.05 5.21 28.20		
01 55 26 00-0170	EA Temporary 36" x 36" Aluminum Engineer Grade Stop Sign For Detours <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	143.55 15.29 47.97		
01 55 26 00-0171	Other Temporary Reflectorized Traffic Signs For Detours (01 55 26 00-0164) Note: Other traffic signs includes reserve, handicap, visitor, no parking, property, speed limit, tow away, ADA, parking time limit, parking exclusive area, school, traffic/caution, etc. Excludes posts.			
01 55 26 00-0172	Temporary Aluminum Engineer Grade Traffic Signs For Detours (01 55 26 00-0171)			
01 55 26 00-0173	EA Temporary 6" x 12" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	59.58 1.72		
01 55 26 00-0174	EA Temporary 6" x 18" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	62.45 2.58		
01 55 26 00-0175	EA Temporary 9" x 12" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	62.45 2.58		
01 55 26 00-0176	EA Temporary 9" x 15" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	64.60 3.23		
01 55 26 00-0177	EA Temporary 9" x 18" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	66.76 3.88		
01 55 26 00-0178	EA Temporary 9" x 24" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	74.43 5.17		
01 55 26 00-0179	EA Temporary 9" x 48" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	91.65 10.33		
01 55 26 00-0180	EA Temporary 12" x 12" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	65.32 3.44		
01 55 26 00-0181	EA Temporary 12" x 18" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	74.43 5.17		
01 55 26 00-0182	EA Temporary 12" x 24" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	80.17 6.89		
01 55 26 00-0183	EA Temporary 12" x 30" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	85.91 8.61		
01 55 26 00-0184	EA Temporary 12" x 36" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	91.65 10.33		
01 55 26 00-0185	EA Temporary 18" x 18" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	83.04 7.75		
01 55 26 00-0186	EA Temporary 18" x 24" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	91.65 10.33		
01 55 26 00-0187	EA Temporary 18" x 30" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	103.63 12.92		
01 55 26 00-0188	EA Temporary 18" x 36" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	112.24 15.50		
01 55 26 00-0189	EA Temporary 18" x 54" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	151.53 23.25		
01 55 26 00-0190	EA Temporary 24" x 24" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	106.50 13.78		
01 55 26 00-0191	EA Temporary 24" x 30" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	117.98 17.22		
01 55 26 00-0192	EA Temporary 24" x 36" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	129.46 20.67		
01 55 26 00-0193	EA Temporary 24" x 42" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	154.40 24.11		
01 55 26 00-0194	EA Temporary 24" x 48" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	165.88 27.56		
01 55 26 00-0195	EA Temporary 24" x 54" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	177.36 31.00		
01 55 26 00-0196	EA Temporary 30" x 30" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	132.33 21.53		
01 55 26 00-0197	EA Temporary 30" x 36" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	160.14 25.83		
01 55 26 00-0198	EA Temporary 30" x 42" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	174.49 30.14		
01 55 26 00-0199	EA Temporary 30" x 48" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	202.31 34.45		
01 55 26 00-0200	EA Temporary 30" x 60" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	244.47 43.06		
01 55 26 00-0201	EA Temporary 36" x 36" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	177.36 31.00		
01 55 26 00-0202	EA Temporary 36" x 42" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	208.05 36.17		
01 55 26 00-0203	EA Temporary 36" x 48" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	238.73 41.33		
01 55 26 00-0204	EA Temporary 36" x 54" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	255.95 46.50		
01 55 26 00-0205	EA Temporary 36" x 60" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	286.63 51.67		
01 55 26 00-0206	EA Temporary 36" x 73" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	337.41 62.86		
01 55 26 00-0207	EA Temporary 36" x 78" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	351.76 67.17		
01 55 26 00-0208	EA Temporary 36" x 108" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	458.06 93.00		
01 55 26 00-0209	EA Temporary 42" x 42" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	241.60 42.20		
01 55 26 00-0210	EA Temporary 48" x 48" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	298.12 55.11		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0211	EA	Temporary 48" x 54" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	334.54 62.00	
01 55 26 00-0212	EA	Temporary 48" x 60" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	357.50 68.89	
01 55 26 00-0213	EA	Temporary 48" x 66" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	400.66 75.78	
01 55 26 00-0214	EA	Temporary 48" x 72" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	423.62 82.67	
01 55 26 00-0215	EA	Temporary 48" x 84" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	483.02 96.45	
01 55 26 00-0216	EA	Temporary 48" x 96" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	528.94 110.22	
01 55 26 00-0217	EA	Temporary 48" x 102" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	551.91 117.11	
01 55 26 00-0218	EA	Temporary 48" x 108" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	581.59 124.00	
01 55 26 00-0219	EA	Temporary 60" x 72" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	505.98 103.34	
01 55 26 00-0220	EA	Temporary 78" x 96" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	765.30 179.12	
01 55 26 00-0221		Temporary Overhead Sign Structures For Detours (01 55 26 00-0163) Note: Including horizontal Z-bars.		
01 55 26 00-0222	SF	From 30 To 360 SF Signs For Temporary Overhead Sign Structures For Detours <i>For Over 10' High, Add</i>	22.50 13.00	
01 55 26 00-0223		Temporary Sign Posts For Detours (01 55 26 00-0163) Note: Excludes sign.		
01 55 26 00-0224		Temporary U-Channel Sign Posts For Detours (01 55 26 00-0223) Note: Excludes digging and concrete.		
01 55 26 00-0225		Temporary Baked Enamel U-Channel Sign Posts For Detours (01 55 26 00-0224)		
01 55 26 00-0226	EA	Temporary 3' To 4' Baked Enamel U-Channel Sign Post Base For Detours	74.90	
01 55 26 00-0227	EA	Temporary 6' Baked Enamel U-Channel Sign Post For Detours	96.73	
01 55 26 00-0228	EA	Temporary 7' Baked Enamel U-Channel Sign Post For Detours	115.69	
01 55 26 00-0229	EA	Temporary 8' Baked Enamel U-Channel Sign Post For Detours	135.29	
01 55 26 00-0230	EA	Temporary 10' Baked Enamel U-Channel Sign Post For Detours	163.58	
01 55 26 00-0231	EA	Temporary 12' Baked Enamel U-Channel Sign Post For Detours	173.65	
01 55 26 00-0232		Temporary Galvanized Steel U-Channel Sign Posts For Detours (01 55 26 00-0224)		
01 55 26 00-0233	EA	Temporary 3' To 4' Galvanized Steel U-Channel Sign Post Base For Detours	78.99	
01 55 26 00-0234	EA	Temporary 6' Galvanized Steel U-Channel Sign Post For Detours	103.22	
01 55 26 00-0235	EA	Temporary 7' Galvanized Steel U-Channel Sign Post For Detours	130.35	
01 55 26 00-0236	EA	Temporary 8' Galvanized Steel U-Channel Sign Post For Detours	151.50	
01 55 26 00-0237	EA	Temporary 10' Galvanized Steel U-Channel Sign Post For Detours	175.38	
01 55 26 00-0238	EA	Temporary 12' Galvanized Steel U-Channel Sign Post For Detours	183.91	
01 55 26 00-0239		Temporary Fiberglass Or Composite Plastic U-Channel Sign Posts For Detours (01 55 26 00-0224)		
01 55 26 00-0240	EA	Temporary 3' To 4' Fiberglass Or Composite Plastic U-Channel Sign Post Base For Detours	73.94	
01 55 26 00-0241	EA	Temporary 6' Fiberglass Or Composite Plastic U-Channel Sign Post For Detours	94.64	
01 55 26 00-0242	EA	Temporary 7' Fiberglass Or Composite Plastic U-Channel Sign Post For Detours	113.16	
01 55 26 00-0243	EA	Temporary 8' Fiberglass Or Composite Plastic U-Channel Sign Post For Detours	132.28	
01 55 26 00-0244	EA	Temporary 10' Fiberglass Or Composite Plastic U-Channel Sign Post For Detours	158.11	
01 55 26 00-0245	EA	Temporary 12' Fiberglass Or Composite Plastic U-Channel Sign Post For Detours	170.41	
01 55 26 00-0246		Temporary Tubular Sign Posts For Detours (01 55 26 00-0223) Note: Excludes digging and concrete.		
01 55 26 00-0247		Temporary 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours (01 55 26 00-0246)		
01 55 26 00-0248	EA	Temporary 6', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours.....	103.89	
01 55 26 00-0249	EA	Temporary 7', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours.....	123.69	
01 55 26 00-0250	EA	Temporary 8', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours.....	145.56	
01 55 26 00-0251	EA	Temporary 10', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours.....	184.25	
01 55 26 00-0252	EA	Temporary 12', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours.....	197.68	
01 55 26 00-0253		Temporary Square Sign Posts For Detours (01 55 26 00-0223) Note: Excludes digging and concrete.		
01 55 26 00-0254		Temporary Galvanized Steel Square Sign Posts For Detours (01 55 26 00-0253)		
01 55 26 00-0255	EA	Temporary 3' To 4' Galvanized Steel Square Sign Post Base For Detours	79.90	
01 55 26 00-0256	EA	Temporary 6' Galvanized Steel Square Sign Post For Detours	118.57	
01 55 26 00-0257	EA	Temporary 7' Galvanized Steel Square Sign Post For Detours	139.90	
01 55 26 00-0258	EA	Temporary 8' Galvanized Steel Square Sign Post For Detours	163.19	
01 55 26 00-0259	EA	Temporary 10' Galvanized Steel Square Sign Post For Detours	198.96	
01 55 26 00-0260	EA	Temporary 12' Galvanized Steel Square Sign Post For Detours	213.62	

01 General Requirements**01 50 Temporary Facilities and Controls****01 55 Vehicular Access and Parking**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

01 55 26 00-0261		Temporary Breakaway Sign Posts And Bases For Detours (01 55 26 00-0163) Note: For breakaway post systems, base posts are driven in, sign posts bolted to base post using lap splice hardware kit. Excludes sign.	
01 55 26 00-0262		Temporary 2.5 Lb./LF Breakaway Sign Posts And Base Posts For Detours (01 55 26 00-0261)	
01 55 26 00-0263		Temporary Base Posts, 2.5 Lb./LF, For Breakaway Sign Posts For Detours (01 55 26 00-0262)	
01 55 26 00-0264	EA	Temporary Base Post for 2.5 Lb./LF, Breakaway Sign Post For Detours	103.11
01 55 26 00-0265	EA	Temporary Lap Splice Hardware For 2.5 Lb./LF, Breakaway Sign Post For Detours	64.97
01 55 26 00-0266		Temporary Breakaway Sign Posts, 2.5 Lb./LF For Detours (01 55 26 00-0262)	
01 55 26 00-0267	LF	Temporary Breakaway Sign Post, 2.5 Lb./LF For Detours.....	12.21
01 55 26 00-0268		Temporary 4 Lb./LF Breakaway Sign Posts And Base Posts For Detours (01 55 26 00-0261)	
01 55 26 00-0269		Temporary Base Posts, 4 Lb./LF, For Breakaway Sign Posts For Detours (01 55 26 00-0268)	
01 55 26 00-0270	EA	Temporary Base Post for 4 Lb./LF, Breakaway Sign Post For Detours	106.59
01 55 26 00-0271	EA	Temporary Lap Splice Hardware for 4 Lb./LF, Breakaway Sign Post For Detours	64.97
01 55 26 00-0272		Temporary Breakaway Sign Posts, 4 Lb./LF For Detours (01 55 26 00-0268)	
01 55 26 00-0273	LF	Temporary Breakaway Sign Post, 4 Lb./LF For Detours.....	14.37
01 55 26 00-0274		Temporary Driven Sign Posts For Detours (01 55 26 00-0261)	
01 55 26 00-0275		Temporary Driven Posts, 2.5 Lb./LF For Detours (01 55 26 00-0274)	
01 55 26 00-0276	LF	Temporary Driven Post, 2.5 Lb./LF For Detours	14.00
		For Each Soil Plate, Add	3.00
01 55 26 00-0277		Temporary Driven Posts, 4 Lb./LF For Detours (01 55 26 00-0274)	
01 55 26 00-0278	LF	Temporary Driven Post, 4 Lb./LF For Detours	17.06
		For Each Soil Plate, Add	3.00
01 55 26 00-0279		Temporary Omni-Directional Breakaway System For Sign Posts And Light Poles For Detours (01 55 26 00-0261)	
01 55 26 00-0280		Temporary Omni-Directional Breakaway Systems For Signs For Detours (01 55 26 00-0279) Note: Break-Safe as manufactured by Transpo Industries. Organized by post type and size. Includes hinges, anchors, all associated parts and drilling.	
01 55 26 00-0281	EA	Temporary Omni-Directional Breakaway System For 6" To 8" Wide Flange (Transpo B525)	1,184.18
01 55 26 00-0282	EA	Temporary Omni-Directional Breakaway System For 10" To 21" Wide Flange (Transpo B650)	1,261.93
01 55 26 00-0283	EA	Temporary Omni-Directional Breakaway System For Standard I Beam Or W6x9 Flange (Transpo A14 And A16).....	865.12
01 55 26 00-0284	EA	Temporary Omni-Directional Breakaway System For 3" To 4.5" Outside Diameter Pipe (Transpo A3 And A4.5).....	757.73
01 55 26 00-0285	EA	Temporary Omni-Directional Breakaway System For Square Tube (Transpo AS3 And AS4).....	859.17
01 55 26 00-0286	EA	Temporary Omni-Directional Breakaway System For U-Channels (Transpo AU4 To AU6).....	817.40
01 55 26 00-0287	EA	Temporary Omni-Directional Breakaway System For U-Channels Embedded (Transpo AUX4 To AUX6).....	772.15
01 55 26 00-0288		Temporary Omni-Directional Breakaway Systems For Poles For Detours (01 55 26 00-0279) Note: Pole-Safe As Manufactured By Transpo Industries. Organized by bolt size. Includes four couplings, all associated parts, drilling and can be for new or for retrofitting existing poles.	
01 55 26 00-0289	EA	Temporary Omni-Directional Breakaway System For Poles With 5/8" Couplings.....	422.69
01 55 26 00-0290	EA	Temporary Omni-Directional Breakaway System For Poles With 3/4" Couplings.....	443.20
01 55 26 00-0291	EA	Temporary Omni-Directional Breakaway System For Poles With 1" Couplings.....	460.23
01 55 26 00-0292	EA	Temporary Omni-Directional Breakaway System For Poles With 1 1/4" Couplings.....	698.83
01 55 26 00-0293	EA	Temporary Skirt For Omni-Directional Breakaway System For Poles With Bolt Circle Diameter Of 10" To Less Than 15"	61.36
01 55 26 00-0294	EA	Temporary Skirt For Omni-Directional Breakaway System For Poles With Bolt Circle Diameter Of 15" To 20"	81.81
01 55 26 00-0295		Temporary Rumble Strips (01 55 26) Note: Includes removal after use.	
01 55 26 00-0296	LF	1/4" High, 4" Wide, Polymer Tape Temporary Rumble Strip.....	13.91
01 55 26 00-0297	LF	1/2" High, 3-1/2" Wide, Polycarbonate Temporary Rumble Strip	9.99

01 56 Temporary Barriers and Enclosures (01 50)

Note: Includes removal after use.

01 56 16 Temporary Dust Barriers (01 56)**01 56 16 00-0001 Temporary Sheeting For Protection (01 56 16)**

Note: Includes removal after use.

01 56 16 00-0002	SF	6 Mil, Plastic Sheeting, Applied To Floors.....	0.39
		Note: Includes removal after use.	
01 56 16 00-0003	SF	6 Mil, Plastic Sheeting, Applied To Walls.....	0.50
		Note: Includes removal after use.	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 16 00-0004	SF	6 Mil, Plastic Sheeting, Applied To Ceilings..... Note: Includes removal after use.	0.66	
01 56 16 00-0005	SF	6 Mil, Plastic Sheeting, Applied To Scaffolding..... Note: Includes removal after use.	0.66	
01 56 16 00-0006	SF	6 Mil, Fire Retardant, Plastic Sheeting, Applied To Floors..... Note: Includes removal after use.	0.47	
01 56 16 00-0007	SF	6 Mil, Fire Retardant, Plastic Sheeting, Applied To Walls..... Note: Includes removal after use.	0.58	
01 56 16 00-0008	SF	6 Mil, Fire Retardant, Plastic Sheeting, Applied To Ceilings..... Note: Includes removal after use.	0.74	
01 56 16 00-0009	SF	6 Mil, Fire Retardant, Plastic Sheeting, Applied To Scaffolding..... Note: Includes removal after use.	0.70	
01 56 16 00-0010	SF	10 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Scaffolding..... Note: Includes removal after use.	0.92	
01 56 16 00-0011	SF	6 Mil, Fire Retardant, Anti-static, Plastic Sheeting, Applied To Floors..... Note: Includes removal after use.	0.50	
01 56 16 00-0012	SF	6 Mil, Fire Retardant, Anti-static, Plastic Sheeting, Applied To Walls..... Note: Includes removal after use.	0.61	
01 56 16 00-0013	SF	6 Mil, Fire Retardant, Anti-static, Plastic Sheeting, Applied To Ceilings..... Note: Includes removal after use.	0.77	
01 56 16 00-0014	SF	6 Mil, Fire Retardant, Anti-static, Plastic Sheeting, Applied To Scaffolding..... Note: Includes removal after use.	0.73	
01 56 16 00-0015	SF	6 Mil, Reinforced, Plastic Sheeting, Applied To Floors..... Note: Includes removal after use.	0.49	
01 56 16 00-0016	SF	6 Mil, Reinforced, Plastic Sheeting, Applied To Walls..... Note: Includes removal after use.	0.60	
01 56 16 00-0017	SF	6 Mil, Reinforced, Plastic Sheeting, Applied To Ceilings..... Note: Includes removal after use.	0.76	
01 56 16 00-0018	SF	6 Mil, Reinforced, Plastic Sheeting, Applied To Scaffolding..... Note: Includes removal after use.	0.72	
01 56 16 00-0019	SF	6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Floors..... Note: Includes removal after use.	0.56	
01 56 16 00-0020	SF	6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Walls..... Note: Includes removal after use.	0.67	
01 56 16 00-0021	SF	6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Ceilings..... Note: Includes removal after use.	0.83	
01 56 16 00-0022	SF	6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Scaffolding..... Note: Includes removal after use.	0.79	
01 56 16 00-0023		Temporary Canvas For Protection (01 56 16) Note: Includes removal after use.		
01 56 16 00-0024	SF	Heavy-Duty Woven Water Repellant Canvas, Applied To Walls.....	1.02	
01 56 16 00-0025		Accessories For Temporary Sheeting (01 56 16) Note: Includes removal after use.		
01 56 16 00-0026	EA	7' Zipper Door For Plastic Sheeting..... Note: Includes removal after use.	24.01	
01 56 16 00-0027	LF	Zip Wall Kit And ICRA Dust Control Awareness Barrier (Per LF Of Wall)..... Note: Includes up to 12' long spring loaded poles, side clamps, foam rails and 6 mil poly barrier. Excludes zip doors. Includes removal after use.	9.79	
01 56 16 00-0028		Temporary Critical Barriers For Protection (01 56 16) Note: Includes removal after use. See CSI section 02 89 00 00-0002 for Other barriers for infectious control.		
01 56 16 00-0029	EA	Up To 1 SF Individual Critical Barriers For Outlets And Receptacles..... Note: Includes removal after use.	13.00	
01 56 16 00-0030	EA	>1 To 4 SF Individual Critical Barriers For Diffusers, Ceiling Speakers, Return Grilles, etc..... Note: Includes removal after use.	19.73	
01 56 16 00-0031	EA	>4 To 8 SF Individual Critical Barriers For Diffusers, Return Grilles, Access Doors, Light Fixtures, etc..... Note: Includes removal after use.	26.52	
01 56 16 00-0032	EA	>8 To 32 SF Individual Critical Barriers For Doors, Windows, etc..... Note: Includes removal after use.	41.46	
01 56 16 00-0033		Temporary Stud Wall (01 56 16) Note: Includes removal after use.		
01 56 16 00-0034		Temporary Stud Wall With Drywall (01 56 16 00-0033) Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, drywall taped and finished and removal after use. Excludes paint.		
01 56 16 00-0035		Temporary Stud Wall With Drywall (01 56 16 00-0034)		
01 56 16 00-0036	SF	3/8" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center..... Note: Includes removal after use.	6.90	
		For Metal Studs 24" On Center, Add/Deduct	1.20	
01 56 16 00-0037	SF	1/2" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center..... Note: Includes removal after use.	6.90	
		For Metal Studs 24" On Center, Add/Deduct	1.20	
01 56 16 00-0038	SF	5/8" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center..... Note: Includes removal after use.	7.02	
		For Metal Studs 24" On Center, Add/Deduct	1.20	
01 56 16 00-0039	SF	3/8" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center..... Note: Includes removal after use.	9.56	
		For Metal Studs 24" On Center, Add/Deduct	1.30	
01 56 16 00-0040	SF	1/2" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center..... Note: Includes removal after use.	9.56	
		For Metal Studs 24" On Center, Add/Deduct	1.30	

01	General Requirements
01 50	Temporary Facilities and Controls
01 56	Temporary Barriers and Enclosures

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 56 16 00-0041	SF	5/8" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center	9.78	
		Note: Includes removal after use.		
		For Metal Studs 24" On Center, Add/Deduct	1.30	

01 56 16 00-0042 Temporary Stud Wall With Fire Rated Drywall (01 56 16 00-0034)

01 56 16 00-0043	SF	1/2" Type C Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center	7.03	
		Note: Includes removal after use.		
		For Metal Studs 24" On Center, Add/Deduct	1.20	
01 56 16 00-0044	SF	5/8" Type C Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center	7.07	
		Note: Includes removal after use.		
		For Metal Studs 24" On Center, Add/Deduct	1.20	
01 56 16 00-0045	SF	5/8" Type X Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center	7.00	
		Note: Includes removal after use.		
		For Metal Studs 24" On Center, Add/Deduct	1.20	
01 56 16 00-0046	SF	3/4" Fire Rated (Sheetrock® Ultracode®) Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center	7.86	
		Note: Includes removal after use.		
		For Metal Studs 24" On Center, Add/Deduct	1.20	
01 56 16 00-0047	SF	1/2" Type C Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center	9.81	
		Note: Includes removal after use.		
		For Metal Studs 24" On Center, Add/Deduct	1.30	
01 56 16 00-0048	SF	5/8" Type C Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center	9.89	
		Note: Includes removal after use.		
		For Metal Studs 24" On Center, Add/Deduct	1.30	
01 56 16 00-0049	SF	5/8" Type X Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center	9.76	
		Note: Includes removal after use.		
		For Metal Studs 24" On Center, Add/Deduct	1.30	
01 56 16 00-0050	SF	3/4" Fire Rated (Sheetrock® Ultracode®) Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center	11.48	
		Note: Includes removal after use.		
		For Metal Studs 24" On Center, Add/Deduct	1.30	

01 56 16 00-0051 Temporary Stud Wall With Oriented Strand Board (OSB) (01 56 16 00-0033)

Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, oriented strand board (OSB) wall sheathing, and removal after use. Excludes paint.

01 56 16 00-0052	SF	7/16" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center	6.75	
		Note: Includes removal after use.		
		For Metal Studs 24" On Center, Add/Deduct	1.20	
01 56 16 00-0053	SF	1/2" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center	6.79	
		Note: Includes removal after use.		
		For Metal Studs 24" On Center, Add/Deduct	1.20	
01 56 16 00-0054	SF	5/8" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center	6.92	
		Note: Includes removal after use.		
		For Metal Studs 24" On Center, Add/Deduct	1.20	
01 56 16 00-0055	SF	3/4" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center	7.00	
		Note: Includes removal after use.		
		For Metal Studs 24" On Center, Add/Deduct	1.20	
01 56 16 00-0056	SF	7/16" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center	9.24	
		Note: Includes removal after use.		
		For Metal Studs 24" On Center, Add/Deduct	1.30	
01 56 16 00-0057	SF	1/2" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center	9.34	
		Note: Includes removal after use.		
		For Metal Studs 24" On Center, Add/Deduct	1.30	
01 56 16 00-0058	SF	5/8" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center	9.60	
		Note: Includes removal after use.		
		For Metal Studs 24" On Center, Add/Deduct	1.30	
01 56 16 00-0059	SF	3/4" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center	9.75	
		Note: Includes removal after use.		
		For Metal Studs 24" On Center, Add/Deduct	1.30	

01 56 16 00-0060 Temporary Stud Wall With BC Plywood (01 56 16 00-0033)

Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, interior/exterior BC plywood wall sheathing, and removal after use. Excludes paint.

01 56 16 00-0061	SF	3/8" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center	7.06	
		Note: Includes removal after use.		
		For Metal Studs 24" On Center, Add/Deduct	1.20	
01 56 16 00-0062	SF	1/2" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center	7.23	
		Note: Includes removal after use.		
		For Metal Studs 24" On Center, Add/Deduct	1.20	
01 56 16 00-0063	SF	5/8" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center	7.51	
		Note: Includes removal after use.		
		For Metal Studs 24" On Center, Add/Deduct	1.20	
01 56 16 00-0064	SF	3/4" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center	7.66	
		Note: Includes removal after use.		
		For Metal Studs 24" On Center, Add/Deduct	1.20	
01 56 16 00-0065	SF	3/8" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center	9.88	
		Note: Includes removal after use.		
		For Metal Studs 24" On Center, Add/Deduct	1.30	
01 56 16 00-0066	SF	1/2" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center	10.22	
		Note: Includes removal after use.		
		For Metal Studs 24" On Center, Add/Deduct	1.30	
01 56 16 00-0067	SF	5/8" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center	10.77	
		Note: Includes removal after use.		
		For Metal Studs 24" On Center, Add/Deduct	1.30	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST

01 56 16 00-0068	SF		3/4" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center 11.08 Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i> 1.30		
01 56 16 00-0069			Temporary Stud Wall With Plastic Sheeting (01 56 16 00-0033) Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, 6 Mil plastic sheathing, and removal after use.		
01 56 16 00-0070	SF		6 Mil, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center 3.96 Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i> 1.07		
01 56 16 00-0071	SF		6 Mil, Fire Retardant, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center 4.04 Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i> 1.07		
01 56 16 00-0072	SF		6 Mil, Fire Retardant, Anti-static, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center 4.07 Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i> 1.07		
01 56 16 00-0073	SF		6 Mil, Reinforced, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center 4.06 Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i> 1.07		
01 56 16 00-0074	SF		6 Mil, Fire Retardant, Reinforced, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center 4.14 Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i> 1.07		
01 56 16 00-0075			Temporary Doors (01 56 16 00-0033) Note: For temporary stud walls. Includes removal after use.		
01 56 16 00-0076	EA		Temporary Metal Door And Frame 637.53 Note: Painted with panic hardware, lockset, threshold and smoke seals. Remove after use.		
01 56 16 00-0077			Sticky Mats (01 56 16) Note: Includes removal after use.		
01 56 16 00-0078	EA		18" x 36", 30 Layer Sticky Mat 38.60 Note: Includes removal after use. <i>For 60 Layers Instead Of 30, Add</i> 25.58		
01 56 16 00-0079	EA		18" x 46", 30 Layer Sticky Mat 44.29 Note: Includes removal after use. <i>For 60 Layers Instead Of 30, Add</i> 29.85		
01 56 16 00-0080	EA		24" x 36", 30 Layer Sticky Mat 44.29 Note: Includes removal after use. <i>For 60 Layers Instead Of 30, Add</i> 29.85		
01 56 16 00-0081	EA		25" x 45", 30 Layer Sticky Mat 58.50 Note: Includes removal after use. <i>For 60 Layers Instead Of 30, Add</i> 40.51		
01 56 16 00-0082	EA		36" x 36", 30 Layer Sticky Mat 64.19 Note: Includes removal after use. <i>For 60 Layers Instead Of 30, Add</i> 44.78		
01 56 16 00-0083	EA		36" x 46", 30 Layer Sticky Mat 69.87 Note: Includes removal after use. <i>For 60 Layers Instead Of 30, Add</i> 49.04		
01 56 16 00-0084	EA		36" x 60", 30 Layer Sticky Mat 140.95 Note: Includes removal after use. <i>For 60 Layers Instead Of 30, Add</i> 102.35		
01 56 16 00-0085	EA		36" x 72", 30 Layer Sticky Mat 168.24 Note: Includes removal after use.		
01 56 16 00-0086			Temporary Floor Protection (01 56 16) Note: Includes removal after use.		
01 56 16 00-0087	SF		1/8" Thick, Masonite For Temporary Floor Protection 1.78 Note: Includes removal after use.		
01 56 16 00-0088	SF		1/2" Thick, Plywood For Temporary Floor Protection 1.80 Note: Includes removal after use.		
01 56 16 00-0089	SF		3/4" Thick, Plywood For Temporary Floor Protection 2.13 Note: Includes removal after use.		
01 56 16 00-0090	LF		38" Wide, 46 Mil Fiberboard, Ram Board® For Temporary Floor Protection 1.08 Note: Includes removal after use.		
01 56 16 00-0091	LF		36" Wide, 9 Mil, Regular Weight Red Rosin Paper, For Temporary Floor Protection 0.34 Note: Includes removal after use.		
01 56 16 00-0092	CSF		3 Mil, Temporary Self-adhesive Carpet Protection Film 27.80 Note: Includes removal after use.		
01 56 16 00-0093	SF		Burlap For Temporary Floor Protection 0.74 Note: Includes removal after use.		
01 56 26			Temporary Fencing (01 56)		
01 56 26 00-0001			Temporary Fencing (01 56 26) Note: Per ASTM A392-06 Standards		
01 56 26 00-0002			Temporary Chain Link Fence (01 56 26 00-0001) Note: Includes delivery, set-up (driving posts) and removal. Excludes auguring/drilling for posts. See CSI section 02 41 19 13-0024 for core drilling in asphalt or concrete, 32 31 13 13-0001 for augering and backfill of posts.		
01 56 26 00-0003			Temporary Chain Link Fence, Up To 6 Months (01 56 26 00-0002)		

01 General Requirements**01 50 Temporary Facilities and Controls****01 56 Temporary Barriers and Enclosures**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

01 56 26 00-0004	LF Temporary 4' High Chain Link Fence And Posts, Up To 6 Months.....	6.98
	For >100 To 250, Deduct	-0.17
	For >250 To 500, Deduct	-0.34
	For >500, Deduct	-0.51
	For Each LF Shade Cloth, Add	1.60
01 56 26 00-0005	LF Temporary 6' High Chain Link Fence And Posts, Up To 6 Months.....	7.76
	For >100 To 250, Deduct	-0.19
	For >250 To 500, Deduct	-0.38
	For >500, Deduct	-0.57
	For Each LF Shade Cloth, Add	2.55
01 56 26 00-0006	LF Temporary 8' High Chain Link Fence And Posts, Up To 6 Months.....	10.76
	For >100 To 250, Deduct	-0.32
	For >250 To 500, Deduct	-0.65
	For >500, Deduct	-0.97
	For Each LF Shade Cloth, Add	3.60
01 56 26 00-0007	LF Temporary 10' High Chain Link Fence And Posts, Up To 6 Months.....	23.95
	For >100 To 250, Deduct	-0.96
	For >250 To 500, Deduct	-1.92
	For >500, Deduct	-2.88
	For Each LF Shade Cloth, Add	4.75

01 56 26 00-0008 Temporary Chain Link Fence, >6 To 12 Months (01 56 26 00-0002)

01 56 26 00-0009	LF Temporary 4' High Chain Link Fence And Posts, >6 To 12 Months.....	7.32
	For >100 To 250, Deduct	-0.19
	For >250 To 500, Deduct	-0.37
	For >500, Deduct	-0.56
	For Each LF Shade Cloth, Add	1.60
01 56 26 00-0010	LF Temporary 6' High Chain Link Fence And Posts, >6 To 12 Months.....	8.14
	For >100 To 250, Deduct	-0.21
	For >250 To 500, Deduct	-0.42
	For >500, Deduct	-0.63
	For Each LF Shade Cloth, Add	2.55
01 56 26 00-0011	LF Temporary 8' High Chain Link Fence And Posts, >6 To 12 Months.....	11.40
	For >100 To 250, Deduct	-0.35
	For >250 To 500, Deduct	-0.71
	For >500, Deduct	-1.06
	For Each LF Shade Cloth, Add	3.60
01 56 26 00-0012	LF Temporary 10' High Chain Link Fence And Posts, >6 To 12 Months.....	25.86
	For >100 To 250, Deduct	-1.06
	For >250 To 500, Deduct	-2.11
	For >500, Deduct	-3.17
	For Each LF Shade Cloth, Add	4.75

01 56 26 00-0013 Temporary Chain Link Fence, >12 To 18 Months (01 56 26 00-0002)

01 56 26 00-0014	LF Temporary 4' High Chain Link Fence And Posts, >12 To 18 Months.....	7.70
	For >100 To 250, Deduct	-0.21
	For >250 To 500, Deduct	-0.41
	For >500, Deduct	-0.62
	For Each LF Shade Cloth, Add	1.60
01 56 26 00-0015	LF Temporary 6' High Chain Link Fence And Posts, >12 To 18 Months.....	8.57
	For >100 To 250, Deduct	-0.23
	For >250 To 500, Deduct	-0.46
	For >500, Deduct	-0.69
	For Each LF Shade Cloth, Add	2.55
01 56 26 00-0016	LF Temporary 8' High Chain Link Fence And Posts, >12 To 18 Months.....	12.12
	For >100 To 250, Deduct	-0.39
	For >250 To 500, Deduct	-0.78
	For >500, Deduct	-1.17
	For Each LF Shade Cloth, Add	3.60
01 56 26 00-0017	LF Temporary 10' High Chain Link Fence And Posts, >12 To 18 Months.....	27.97
	For >100 To 250, Deduct	-1.16
	For >250 To 500, Deduct	-2.32
	For >500, Deduct	-3.48
	For Each LF Shade Cloth, Add	4.75

01 56 26 00-0018 Temporary Chain Link Fence, >18 Months (01 56 26 00-0002)

01 56 26 00-0019	LF Temporary 4' High Chain Link Fence And Posts, >18 Months.....	8.10
	For >100 To 250, Deduct	-0.23
	For >250 To 500, Deduct	-0.45
	For >500, Deduct	-0.68
	For Each LF Shade Cloth, Add	1.60
01 56 26 00-0020	LF Temporary 6' High Chain Link Fence And Posts, >18 Months.....	9.00
	For >100 To 250, Deduct	-0.25
	For >250 To 500, Deduct	-0.51
	For >500, Deduct	-0.76
	For Each LF Shade Cloth, Add	2.55
01 56 26 00-0021	LF Temporary 8' High Chain Link Fence And Posts, >18 Months.....	12.89
	For >100 To 250, Deduct	-0.43
	For >250 To 500, Deduct	-0.86
	For >500, Deduct	-1.29
	For Each LF Shade Cloth, Add	3.60
01 56 26 00-0022	LF Temporary 10' High Chain Link Fence And Posts, >18 Months.....	30.29
	For >100 To 250, Deduct	-1.28
	For >250 To 500, Deduct	-2.55
	For >500, Deduct	-3.83
	For Each LF Shade Cloth, Add	4.75

				TOTAL DIRECT	DEMOLITION
MINOR				UNIT COST	UNIT COST
CSI	UOM	DESCRIPTION			

01 56 26 00-0023	Temporary Chain Link Fence Gates (01 56 26 00-0001)			
Note: Includes delivery, set-up (driving posts) and removal. Excludes auguring/drilling for posts. See CSI section 02 41 19 13-0024 for core drilling in asphalt or concrete, 32 31 13 13-0001 for augering and backfill of posts.				
01 56 26 00-0024	Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0023)			
01 56 26 00-0025	4' High, Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0024)			
01 56 26 00-0026	EA	4' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	283.02	
		For Each LF Shade Cloth, Add	16.11	
01 56 26 00-0027	EA	10' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	479.12	
		For Each LF Shade Cloth, Add	40.27	
01 56 26 00-0028	EA	12' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	536.93	
		For Each LF Shade Cloth, Add	48.32	
01 56 26 00-0029	EA	15' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	610.88	
		For Each LF Shade Cloth, Add	60.40	
01 56 26 00-0030	EA	20' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	732.33	
		For Each LF Shade Cloth, Add	80.53	
01 56 26 00-0031	EA	24' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	814.46	
		For Each LF Shade Cloth, Add	96.64	
01 56 26 00-0032	6' High, Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0024)			
01 56 26 00-0033	EA	4' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	302.69	
		For Each LF Shade Cloth, Add	25.67	
01 56 26 00-0034	EA	10' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	516.80	
		For Each LF Shade Cloth, Add	64.17	
01 56 26 00-0035	EA	12' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	580.37	
		For Each LF Shade Cloth, Add	77.01	
01 56 26 00-0036	EA	15' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	671.78	
		For Each LF Shade Cloth, Add	96.26	
01 56 26 00-0037	EA	20' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	812.39	
		For Each LF Shade Cloth, Add	128.35	
01 56 26 00-0038	EA	24' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	920.46	
		For Each LF Shade Cloth, Add	154.02	
01 56 26 00-0039	8' High, Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0024)			
01 56 26 00-0040	EA	4' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	337.79	
		For Each LF Shade Cloth, Add	36.24	
01 56 26 00-0041	EA	10' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	591.37	
		For Shade Cloth, Add	90.60	
01 56 26 00-0042	EA	12' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	661.92	
		For Shade Cloth, Add	108.72	
01 56 26 00-0043	EA	15' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	757.26	
		For Shade Cloth, Add	135.90	
01 56 26 00-0044	EA	20' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	925.48	
		For Shade Cloth, Add	181.20	
01 56 26 00-0045	EA	24' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	1,071.69	
		For Shade Cloth, Add	217.43	
01 56 26 00-0046	10' High, Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0024)			
01 56 26 00-0047	EA	4' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	409.78	
		For Each LF Shade Cloth, Add	47.82	
01 56 26 00-0048	EA	10' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	710.28	
		For Each LF Shade Cloth, Add	119.54	
01 56 26 00-0049	EA	12' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	796.60	
		For Each LF Shade Cloth, Add	143.45	
01 56 26 00-0050	EA	15' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	910.01	
		For Each LF Shade Cloth, Add	179.31	
01 56 26 00-0051	EA	20' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	1,112.43	
		For Each LF Shade Cloth, Add	239.08	
01 56 26 00-0052	EA	24' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	1,282.38	
		For Each LF Shade Cloth, Add	286.89	
01 56 26 00-0053	Temporary Chain Link Fence Gates, >6 To 12 Months (01 56 26 00-0023)			
01 56 26 00-0054	4' High, Temporary Chain Link Fence Gates, >6 To 12 Months (01 56 26 00-0053)			
01 56 26 00-0055	EA	4' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	293.80	
		For Each LF Shade Cloth, Add	16.11	
01 56 26 00-0056	EA	10' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	495.90	
		For Each LF Shade Cloth, Add	40.27	
01 56 26 00-0057	EA	12' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	556.10	
		For Each LF Shade Cloth, Add	48.32	
01 56 26 00-0058	EA	15' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	632.45	
		For Each LF Shade Cloth, Add	60.40	
01 56 26 00-0059	EA	20' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	758.69	
		For Each LF Shade Cloth, Add	80.53	
01 56 26 00-0060	EA	24' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	843.23	
		For Each LF Shade Cloth, Add	96.64	
01 56 26 00-0061	6' High, Temporary Chain Link Fence Gates, >6 To 12 Months (01 56 26 00-0053)			
01 56 26 00-0062	EA	4' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	313.96	
		For Each LF Shade Cloth, Add	25.67	

01 General Requirements
01 50 Temporary Facilities and Controls
01 56 Temporary Barriers and Enclosures

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

01 56 26 00-0063	EA	10' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	534.34	
		<i>For Each LF Shade Cloth, Add</i>	64.17	
01 56 26 00-0064	EA	12' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	600.42	
		<i>For Each LF Shade Cloth, Add</i>	77.01	
01 56 26 00-0065	EA	15' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	694.33	
		<i>For Each LF Shade Cloth, Add</i>	96.26	
01 56 26 00-0066	EA	20' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	839.95	
		<i>For Each LF Shade Cloth, Add</i>	128.35	
01 56 26 00-0067	EA	24' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	950.53	
		<i>For Each LF Shade Cloth, Add</i>	154.02	

01 56 26 00-0068 8' High, Temporary Chain Link Fence Gates, >6 To 12 Months (01 56 26 00-0053)

01 56 26 00-0069	EA	4' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	350.20	
		<i>For Each LF Shade Cloth, Add</i>	36.24	
01 56 26 00-0070	EA	10' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	610.66	
		<i>For Shade Cloth, Add</i>	90.60	
01 56 26 00-0071	EA	12' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	683.97	
		<i>For Shade Cloth, Add</i>	108.72	
01 56 26 00-0072	EA	15' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	782.07	
		<i>For Shade Cloth, Add</i>	135.90	
01 56 26 00-0073	EA	20' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	955.80	
		<i>For Shade Cloth, Add</i>	181.20	
01 56 26 00-0074	EA	24' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	1,104.76	
		<i>For Shade Cloth, Add</i>	217.43	

01 56 26 00-0075 10' High, Temporary Chain Link Fence Gates, >6 To 12 Months (01 56 26 00-0053)

01 56 26 00-0076	EA	4' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	425.29	
		<i>For Each LF Shade Cloth, Add</i>	47.82	
01 56 26 00-0077	EA	10' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	734.40	
		<i>For Each LF Shade Cloth, Add</i>	119.54	
01 56 26 00-0078	EA	12' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	824.16	
		<i>For Each LF Shade Cloth, Add</i>	143.45	
01 56 26 00-0079	EA	15' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	941.02	
		<i>For Each LF Shade Cloth, Add</i>	179.31	
01 56 26 00-0080	EA	20' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	1,150.32	
		<i>For Each LF Shade Cloth, Add</i>	239.08	
01 56 26 00-0081	EA	24' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	1,323.73	
		<i>For Each LF Shade Cloth, Add</i>	286.89	

01 56 26 00-0082 Temporary Chain Link Fence Gates, >12 To 18 Months (01 56 26 00-0023)

01 56 26 00-0083 4' High, Temporary Chain Link Fence Gates, >12 To 18 Months (01 56 26 00-0082)

01 56 26 00-0084	EA	4' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	305.13	
		<i>For Each LF Shade Cloth, Add</i>	16.11	
01 56 26 00-0085	EA	10' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	513.51	
		<i>For Each LF Shade Cloth, Add</i>	40.27	
01 56 26 00-0086	EA	12' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	576.24	
		<i>For Each LF Shade Cloth, Add</i>	48.32	
01 56 26 00-0087	EA	15' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	655.10	
		<i>For Each LF Shade Cloth, Add</i>	60.40	
01 56 26 00-0088	EA	20' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	786.37	
		<i>For Each LF Shade Cloth, Add</i>	80.53	
01 56 26 00-0089	EA	24' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	873.43	
		<i>For Each LF Shade Cloth, Add</i>	96.64	

01 56 26 00-0090 6' High, Temporary Chain Link Fence Gates, >12 To 18 Months (01 56 26 00-0082)

01 56 26 00-0091	EA	4' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	325.80	
		<i>For Each LF Shade Cloth, Add</i>	25.67	
01 56 26 00-0092	EA	10' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	552.76	
		<i>For Each LF Shade Cloth, Add</i>	64.17	
01 56 26 00-0093	EA	12' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	621.46	
		<i>For Each LF Shade Cloth, Add</i>	77.01	
01 56 26 00-0094	EA	15' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	718.01	
		<i>For Each LF Shade Cloth, Add</i>	96.26	
01 56 26 00-0095	EA	20' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	868.89	
		<i>For Each LF Shade Cloth, Add</i>	128.35	
01 56 26 00-0096	EA	24' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	982.10	
		<i>For Each LF Shade Cloth, Add</i>	154.02	

01 56 26 00-0097 8' High, Temporary Chain Link Fence Gates, >12 To 18 Months (01 56 26 00-0082)

01 56 26 00-0098	EA	4' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	363.22	
		<i>For Each LF Shade Cloth, Add</i>	36.24	
01 56 26 00-0099	EA	10' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	630.92	
		<i>For Shade Cloth, Add</i>	90.60	
01 56 26 00-0100	EA	12' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	707.13	
		<i>For Shade Cloth, Add</i>	108.72	
01 56 26 00-0101	EA	15' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	808.11	
		<i>For Shade Cloth, Add</i>	135.90	
01 56 26 00-0102	EA	20' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	987.63	
		<i>For Shade Cloth, Add</i>	181.20	
01 56 26 00-0103	EA	24' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	1,139.49	
		<i>For Shade Cloth, Add</i>	217.43	

Cal Poly Humboldt.		General Requirements		01	Σ	
		Temporary Facilities and Controls		01 50		
		Temporary Barriers and Enclosures		01 56		
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION			
		UNIT COST	UNIT COST			
01 56 26 00-0104	10' High, Temporary Chain Link Fence Gates, >12 To 18 Months (01 56 26 00-0082)					
01 56 26 00-0105	EA 4' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	441.56				
	For Each LF Shade Cloth, Add	47.82				
01 56 26 00-0106	EA 10' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	759.72				
	For Each LF Shade Cloth, Add	119.54				
01 56 26 00-0107	EA 12' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	853.10				
	For Each LF Shade Cloth, Add	143.45				
01 56 26 00-0108	EA 15' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	973.58				
	For Each LF Shade Cloth, Add	179.31				
01 56 26 00-0109	EA 20' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	1,190.12				
	For Each LF Shade Cloth, Add	239.08				
01 56 26 00-0110	EA 24' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	1,367.14				
	For Each LF Shade Cloth, Add	286.89				
01 56 26 00-0111	Temporary Chain Link Fence Gates, >18 Months (01 56 26 00-0023)					
01 56 26 00-0112	4' High, Temporary Chain Link Fence Gates, >18 Months (01 56 26 00-0111)					
01 56 26 00-0113	EA 4' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	316.45				
	For Each LF Shade Cloth, Add	16.11				
01 56 26 00-0114	EA 10' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	531.13				
	For Each LF Shade Cloth, Add	40.27				
01 56 26 00-0115	EA 12' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	596.37				
	For Each LF Shade Cloth, Add	48.32				
01 56 26 00-0116	EA 15' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	677.75				
	For Each LF Shade Cloth, Add	60.40				
01 56 26 00-0117	EA 20' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	814.05				
	For Each LF Shade Cloth, Add	80.53				
01 56 26 00-0118	EA 24' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	903.63				
	For Each LF Shade Cloth, Add	96.64				
01 56 26 00-0119	6' High, Temporary Chain Link Fence Gates, >18 Months (01 56 26 00-0111)					
01 56 26 00-0120	EA 4' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	337.64				
	For Each LF Shade Cloth, Add	25.67				
01 56 26 00-0121	EA 10' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	571.17				
	For Each LF Shade Cloth, Add	64.17				
01 56 26 00-0122	EA 12' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	642.51				
	For Each LF Shade Cloth, Add	77.01				
01 56 26 00-0123	EA 15' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	741.69				
	For Each LF Shade Cloth, Add	96.26				
01 56 26 00-0124	EA 20' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	897.83				
	For Each LF Shade Cloth, Add	128.35				
01 56 26 00-0125	EA 24' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	1,013.68				
	For Each LF Shade Cloth, Add	154.02				
01 56 26 00-0126	8' High, Temporary Chain Link Fence Gates, >18 Months (01 56 26 00-0111)					
01 56 26 00-0127	EA 4' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	376.24				
	For Each LF Shade Cloth, Add	36.24				
01 56 26 00-0128	EA 10' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	651.18				
	For Shade Cloth, Add	90.60				
01 56 26 00-0129	EA 12' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	730.28				
	For Shade Cloth, Add	108.72				
01 56 26 00-0130	EA 15' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	834.16				
	For Shade Cloth, Add	135.90				
01 56 26 00-0131	EA 20' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	1,019.47				
	For Shade Cloth, Add	181.20				
01 56 26 00-0132	EA 24' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	1,174.22				
	For Shade Cloth, Add	217.43				
01 56 26 00-0133	10' High, Temporary Chain Link Fence Gates, >18 Months (01 56 26 00-0111)					
01 56 26 00-0134	EA 4' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	457.84				
	For Each LF Shade Cloth, Add	47.82				
01 56 26 00-0135	EA 10' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	785.04				
	For Each LF Shade Cloth, Add	119.54				
01 56 26 00-0136	EA 12' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	882.04				
	For Each LF Shade Cloth, Add	143.45				
01 56 26 00-0137	EA 15' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	1,006.14				
	For Each LF Shade Cloth, Add	179.31				
01 56 26 00-0138	EA 20' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	1,229.91				
	For Each LF Shade Cloth, Add	239.08				
01 56 26 00-0139	EA 24' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	1,410.55				
	For Each LF Shade Cloth, Add	286.89				
01 56 26 00-0140	Temporary Chain Link Fence Panels (Portable) (01 56 26 00-0001)					
	Note: Includes delivery, set-up and removal. Excludes sandbags.					
01 56 26 00-0141	Temporary Chain Link Fence Panels (Portable), Up To 6 Months (01 56 26 00-0140)					
01 56 26 00-0142	LF Temporary 4' High Chain Link Fence Panels (Portable), Up To 6 Months.....	7.64				
	For >100 To 250, Deduct	-0.20				
	For >250 To 500, Deduct	-0.41				
	For >500, Deduct	-0.61				
	For Each LF Shade Cloth, Add	1.60				

01	General Requirements
01 50	Temporary Facilities and Controls
01 56	Temporary Barriers and Enclosures

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0143	LF		Temporary 6' High Chain Link Fence Panels (Portable), Up To 6 Months.....	8.48	
			For >100 To 250, Deduct	-0.23	
			For >250 To 500, Deduct	-0.45	
			For >500, Deduct	-0.68	
			For Each LF Shade Cloth, Add	2.55	
01 56 26 00-0144	LF		Temporary 8' High Chain Link Fence Panels (Portable), Up To 6 Months.....	11.63	
			For >100 To 250, Deduct	-0.37	
			For >250 To 500, Deduct	-0.73	
			For >500, Deduct	-1.10	
			For Each LF Shade Cloth, Add	3.60	
01 56 26 00-0145	Temporary Chain Link Fence Panels (Portable), >6 To 12 Months (01 56 26 00-0140)				
01 56 26 00-0146	LF		Temporary 4' High Chain Link Fence Panels (Portable), >6 To 12 Months	7.99	
			For >100 To 250, Deduct	-0.22	
			For >250 To 500, Deduct	-0.44	
			For >500, Deduct	-0.66	
			For Each LF Shade Cloth, Add	1.60	
01 56 26 00-0147	LF		Temporary 6' High Chain Link Fence Panels (Portable), >6 To 12 Months	8.86	
			For >100 To 250, Deduct	-0.25	
			For >250 To 500, Deduct	-0.49	
			For >500, Deduct	-0.74	
			For Each LF Shade Cloth, Add	2.55	
01 56 26 00-0148	LF		Temporary 8' High Chain Link Fence Panels (Portable), >6 To 12 Months	12.27	
			For >100 To 250, Deduct	-0.40	
			For >250 To 500, Deduct	-0.80	
			For >500, Deduct	-1.19	
			For Each LF Shade Cloth, Add	3.60	
01 56 26 00-0149	Temporary Chain Link Fence Panels (Portable), >12 To 18 Months (01 56 26 00-0140)				
01 56 26 00-0150	LF		Temporary 4' High Chain Link Fence Panels (Portable), >12 To 18 Months	8.34	
			For >100 To 250, Deduct	-0.24	
			For >250 To 500, Deduct	-0.48	
			For >500, Deduct	-0.71	
			For Each LF Shade Cloth, Add	1.60	
01 56 26 00-0151	LF		Temporary 6' High Chain Link Fence Panels (Portable), >12 To 18 Months	9.29	
			For >100 To 250, Deduct	-0.27	
			For >250 To 500, Deduct	-0.54	
			For >500, Deduct	-0.80	
			For Each LF Shade Cloth, Add	2.55	
01 56 26 00-0152	LF		Temporary 8' High Chain Link Fence Panels (Portable), >12 To 18 Months	12.99	
			For >100 To 250, Deduct	-0.43	
			For >250 To 500, Deduct	-0.87	
			For >500, Deduct	-1.30	
			For Each LF Shade Cloth, Add	3.60	
01 56 26 00-0153	Temporary Chain Link Fence Panels (Portable), >18 Months (01 56 26 00-0140)				
01 56 26 00-0154	LF		Temporary 4' High Chain Link Fence Panels (Portable), >18 Months	8.77	
			For >100 To 250, Deduct	-0.26	
			For >250 To 500, Deduct	-0.52	
			For >500, Deduct	-0.78	
			For Each LF Shade Cloth, Add	1.60	
01 56 26 00-0155	LF		Temporary 6' High Chain Link Fence Panels (Portable), >18 Months	9.73	
			For >100 To 250, Deduct	-0.29	
			For >250 To 500, Deduct	-0.58	
			For >500, Deduct	-0.87	
			For Each LF Shade Cloth, Add	2.55	
01 56 26 00-0156	LF		Temporary 8' High Chain Link Fence Panels (Portable), >18 Months	13.74	
			For >100 To 250, Deduct	-0.47	
			For >250 To 500, Deduct	-0.94	
			For >500, Deduct	-1.41	
			For Each LF Shade Cloth, Add	3.60	
01 56 26 00-0157	Temporary Chain Link Fence Panels (Portable) Sandbags (01 56 26 00-0140)				
01 56 26 00-0158	BAG		Temporary Chain Link Fence Panels (Portable) Sandbag	6.96	
			Note: Includes placement and removal.		
01 56 26 00-0159	Relocate Chain Link Fence, Gates And Panels (01 56 26 00-0001)				
			Note: Excludes auguring/drilling for posts.		
01 56 26 00-0160	Relocate Temporary Chain Link Fence On Site (01 56 26 00-0159)				
01 56 26 00-0161	LF		Relocate Temporary 4' High Chain Link Fence And Posts	3.76	
01 56 26 00-0162	LF		Relocate Temporary 6' High Chain Link Fence And Posts	5.64	
01 56 26 00-0163	LF		Relocate Temporary 8' High Chain Link Fence And Posts	8.15	
01 56 26 00-0164	LF		Relocate Temporary 10' High Chain Link Fence And Posts	10.03	
01 56 26 00-0165	Relocate Temporary Chain Link Fence Panels On Site (01 56 26 00-0159)				
01 56 26 00-0166	LF		Relocate Temporary 4' High Chain Link Fence Panel, Self Standing	0.89	
01 56 26 00-0167	LF		Relocate Temporary 6' High Chain Link Fence Panel, Self Standing	1.07	
01 56 26 00-0168	LF		Relocate Temporary 8' High Chain Link Fence Panel, Self Standing	1.21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 56 26 00-0169			Relocate Temporary Chain Link Gates On Site (01 56 26 00-0159)		
01 56 26 00-0170	EA		Relocate Temporary 4' High Chain Link Vehicle Gate And Posts.....	116.64	
01 56 26 00-0171	EA		Relocate Temporary 6' High Chain Link Vehicle Gate And Posts.....	134.58	
01 56 26 00-0172	EA		Relocate Temporary 8' High Chain Link Vehicle Gate And Posts.....	165.99	
01 56 26 00-0173	EA		Relocate Temporary 10' High Chain Link Vehicle Gate And Posts.....	179.45	

01 56 26 00-0174			Temporary Safety Fence (01 56 26) Note: Includes removal after use.		
01 56 26 00-0175	LF		48" High With Posts At 8' On Center, Plastic Mesh Temporary Safety Fence	3.53	

01 56 29 Temporary Protective Walkways (01 56)

01 56 29 00-0001			Temporary Sidewalk Bridge Protection (01 56 29)		
01 56 29 00-0002			Installation of Sidewalk Bridge (01 56 29 00-0001) Note: Excludes material rental. See CSI section 01 56 29 00-0005 for monthly rental x length.		
01 56 29 00-0003	LF		Installation of Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly..... Note: Includes spanning openings, planking and parapet, lighting, up to 8' wide, up to 8' high, 2 post system.	185.41	
			<i>For 3 Post System, Add</i>	6.00	
			<i>For Each Additional Foot Over 8' Wide, Add</i>	3.00	
			<i>For Each Additional Foot Over 8' High, Add</i>	2.00	
01 56 29 00-0004	LF		Installation of Netting for Sidewalk Bridge	4.72	

01 56 29 00-0005			Monthly Rental of Sidewalk Bridge (01 56 29 00-0001) Note: Excludes installation set-up and removal. See CSI section 01 56 29 00-0002 for installation set-up, 01 56 29 00-0016 for removal.		
01 56 29 00-0006	LF		Monthly Rental Of Up To 8' Wide And 8' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly..... Note: Includes spanning openings, planking and parapet, lighting and maintenance.	15.49	
			<i>For 3 Post System, Add</i>	2.32	
01 56 29 00-0007	LF		Monthly Rental Of Up To 8' Wide, 8' - 12' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly..... Note: Includes spanning openings, planking and parapet, lighting and maintenance.	17.45	
			<i>For 3 Post System, Add</i>	2.62	
01 56 29 00-0008	LF		Monthly Rental Of Up To 8' Wide, Over 12' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly..... Note: Includes spanning openings, planking and parapet, lighting and maintenance.	19.38	
			<i>For 3 Post System, Add</i>	2.91	
01 56 29 00-0009	LF		Monthly Rental Of 8' - 12' Wide And 8' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly..... Note: Includes spanning openings, planking and parapet, lighting and maintenance.	19.38	
			<i>For 3 Post System, Add</i>	2.91	
01 56 29 00-0010	LF		Monthly Rental Of 8' - 12' Wide, 8' - 12' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly..... Note: Includes spanning openings, planking and parapet, lighting and maintenance.	21.30	
			<i>For 3 Post System, Add</i>	3.20	
01 56 29 00-0011	LF		Monthly Rental Of 8' - 12' Wide, Over 12' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly..... Note: Includes spanning openings, planking and parapet, lighting and maintenance.	25.21	
			<i>For 3 Post System, Add</i>	3.78	
01 56 29 00-0012	LF		Monthly Rental Of Over 12' Wide And 8' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly..... Note: Includes spanning openings, planking and parapet, lighting and maintenance.	23.28	
			<i>For 3 Post System, Add</i>	3.49	
01 56 29 00-0013	LF		Monthly Rental Of Over 12' Wide, 8' - 12' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly..... Note: Includes spanning openings, planking and parapet, lighting and maintenance.	27.15	
			<i>For 3 Post System, Add</i>	4.07	
01 56 29 00-0014	LF		Monthly Rental Of Over 12' Wide, Over 12' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly..... Note: Includes spanning openings, planking and parapet, lighting and maintenance.	29.05	
			<i>For 3 Post System, Add</i>	4.36	
01 56 29 00-0015	LF		Monthly Rental of Netting for Sidewalk Bridge.....	2.90	

01 56 29 00-0016			Removal of Sidewalk Bridge (01 56 29 00-0001)		
01 56 29 00-0017	LF		Removal Of Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly..... Note: Includes spanning openings, planking and parapet, lighting, up to 8' wide, up to 8' high, 2 post system.	38.59	
			<i>For 3 Post System, Add</i>	2.50	
			<i>For Each Additional Foot Over 8' Wide, Add</i>	1.25	
			<i>For Each Additional Foot Over 8' High, Add</i>	0.75	
01 56 29 00-0018	LF		Removal Of Netting For Sidewalk Bridge	1.34	

01 56 29 00-0019			Temporary Safety Nets (01 56 29) Note: Includes removal after use.		
01 56 29 00-0020	SF		Small Mesh Debris Netting	2.83	
			Note: Includes 3" molded plastic base plates, plastic cable ties, and 1/4", 7x9 aircraft cable tied off to structure, not including anchors.		

01 56 33 Temporary Security Barriers (01 56)

01 56 33 00-0001			Board-up Opening With Plywood (01 56 33) Note: For use where directed by owner for boarding up door and window openings.		
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01 General Requirements
01 50 Temporary Facilities and Controls
01 56 Temporary Barriers and Enclosures

MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

01 56 33 00-0002	OPNG	Removal Of Protective Barrier To Allow Work In Building, Reseal At End Of Day, Per Opening Per Day.....	13.47	
01 56 33 00-0003	SF	5/8" Thick Plywood, 2" x 4" Wood Stud Framing And Fasteners, For Board-Up Opening	8.53	
01 56 33 00-0004	SF	3/4" Thick Plywood, 2" x 4" Wood Stud Framing And Fasteners, For Board-Up Opening	9.87	

01 56 33 00-0005 Temporary Pedestrian Barricade (01 56 33)

Note: Portable, interlocking galvanized steel fence with pivoting legs.

01 56 33 00-0006	DAY	3-1/2' x 7-1/2' Galvanized Steel Pedestrian Barricade, Rental.....	14.47	
01 56 33 00-0007	WK	3-1/2' x 7-1/2' Galvanized Steel Pedestrian Barricade, Rental.....	35.15	
01 56 33 00-0008	MO	3-1/2' x 7-1/2' Galvanized Steel Pedestrian Barricade, Rental.....	105.44	

01 56 39 Temporary Tree and Plant Protection (01 56)

01 56 39 00-0001 Temporary Tree Guards (01 56 39)

Note: Includes digging holes and removal after use.

01 56 39 00-0002	EA	Up To 4' x 4' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail.....	199.66	
01 56 39 00-0003	EA	4' x 4' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail.....	237.86	
01 56 39 00-0004	EA	6' x 6' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail.....	258.76	

01 57 Temporary Controls (01 50)

01 57 13 Temporary Erosion and Sediment Control (01 57)

See CSI section 31 25 00 00-0000 for temporary erosion and sediment control.

01 57 23 Temporary Storm Water Pollution Control (01 57)

See CSI section 31 25 00 00-0000 for temporary storm water pollution control.

01 57 23 00-0001 Temporary Drain Guard (01 57 23)

Note: Includes removal after use.

01 57 23 00-0002	EA	36" x 48" x 18" Non-Woven Polypropylene Trash and Debris Drain Guard (Ultra-Drain Guard® 9227).....	111.12	
01 57 23 00-0003	EA	36" x 48" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9217).....	109.00	
		Note: Up to 0.87 gallons oil, up to 40 Lb. sediment.		
01 57 23 00-0004	EA	36" x 48" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9219).....	138.95	
		Note: Up to 1.38 gallons oil, up to 40 Lb. sediment.		
01 57 23 00-0005	EA	60" x 60" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9356).....	136.80	
		Note: Up to 1.55 gallons oil, up to 40 Lb. sediment.		
01 57 23 00-0006	EA	60" x 60" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9358).....	168.91	
		Note: Up to 2.06 gallons oil, up to 40 Lb. sediment.		

01 58 Project Identification (01 50)

Note: Includes removal after use.

01 58 13 Temporary Project Signage (01 58)

01 58 13 00-0001 Project Sign (01 58 13)

01 58 13 00-0002 MDO Plywood Signs (01 58 13 00-0001)

Note: Excludes posts.

01 58 13 00-0003 Reflectorized, MDO Plywood Signs (01 58 13 00-0002)

01 58 13 00-0004 Engineer Grade, Reflectorized, MDO Plywood Signs (01 58 13 00-0003)

01 58 13 00-0005	EA	Up To 8 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	160.79	24.68
		For High-Intensity Grade, Add	39.00	
		For Diamond Grade, Add	75.22	
01 58 13 00-0006	EA	>8 To 16 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign.....	274.47	25.80
		For High-Intensity Grade, Add	78.00	
		For Diamond Grade, Add	150.44	
01 58 13 00-0007	EA	>16 To 24 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	388.15	26.92
		For High-Intensity Grade, Add	117.01	
		For Diamond Grade, Add	225.66	
01 58 13 00-0008	EA	>24 To 32 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	501.83	28.04
		For High-Intensity Grade, Add	156.01	
		For Diamond Grade, Add	300.87	
01 58 13 00-0009	SF	>32 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	15.73	0.89
		For High-Intensity Grade, Add	4.88	
		For Diamond Grade, Add	9.40	

01 58 13 00-0010 Non-Reflectorized, MDO Plywood Signs (01 58 13 00-0002)

01 58 13 00-0011 One Or Two Color Design, Non-Reflectorized, MDO Plywood Signs (01 58 13 00-0010)

01 58 13 00-0012	EA	Up To 8 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign	207.41	24.68
01 58 13 00-0013	EA	>8 To 16 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign	247.39	25.80
01 58 13 00-0014	EA	>16 To 24 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign	309.79	26.92
01 58 13 00-0015	EA	>24 To 32 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign	368.73	28.04
01 58 13 00-0016	SF	>32 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign	11.57	0.89

01 58 13 00-0017 Full Color Design, Non-Reflectorized, MDO Plywood Signs (01 58 13 00-0010)

01 58 13 00-0018	EA	Up To 8 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign.....	211.86	24.68
01 58 13 00-0019	EA	>8 To 16 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign	271.38	25.80
01 58 13 00-0020	EA	>16 To 24 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign	334.17	26.92

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 58 13 00-0021	EA		>24 To 32 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign	389.62	28.04
01 58 13 00-0022	SF		>32 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign	12.22	0.89

01 58 13 00-0023 Fabricate And Install New Posts (01 58 13 00-0001)

Note: Includes excavation, backfill and compaction. Excludes core drilling.

01 58 13 00-0024	LF		Galvanized Metal Channel Sign Posts.....	18.70	
01 58 13 00-0025	LF		4" x 4" Pressure Treated Wood Sign Posts	14.20	
01 58 13 00-0026	LF		4" x 6" Pressure Treated Wood Sign Posts	17.19	

01 58 13 00-0027 Owner Supplied Signs (01 58 13 00-0001)

01 58 13 00-0028	EA		Installation And Removal Of Owner Supplied Project Sign	89.73	
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01 60 Product Requirements (01)

01 64 Owner-Furnished Products (01 60)

Note: For specification publishing. Review specifications for requirements.

01 64 00 00-0001	NTE		Owner-Furnished Products	0.00	
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Note: For specification publishing. Review specifications for requirements.

01 65 Product Delivery Requirements (01 60)

01 65 00 00-0001 Material Handling On Site For Distances Greater Than 125' From Staging

Area (01 65)

Note: For use when site-work (plants and irrigation piping) materials can not be delivered to within 125' of final installation. Includes driver and equipment, time for travel, and return (roundtrip). The task quantity is the distance to the site (one way). Excludes loading time.

01 65 00 00-0002	EA		Up To 125' Material Handling On Site With Wheelbarrow Or Push Cart.....	4.03	
01 65 00 00-0003	EA		>125 To 250' Material Handling On Site With Wheelbarrow Or Push Cart	9.87	
01 65 00 00-0004	EA		>250 To 500' Material Handling On Site With Wheelbarrow Or Push Cart.....	14.80	
01 65 00 00-0005	EA		>125' To 500' Material Handling On Site With 2-3 CY Pick-up Truck, Van Or Trailer.....	10.98	
01 65 00 00-0006	EA		>125' To 500' Material Handling On Site With Dump Truck Or Flat Bed Truck.....	15.90	
01 65 00 00-0007	EA		>500' To 2,100' Material Handling On Site With 2-3 CY Pick-up Truck, Van Or Trailer	16.48	
01 65 00 00-0008	EA		>500' To 2,100' Material Handling On Site With Dump Truck Or Flat Bed Truck.....	23.86	
01 65 00 00-0009	EA		>2,100' To 5,280' Material Handling On Site With 2-3 CY Pick-up Truck, Van Or Trailer	21.97	
01 65 00 00-0010	EA		>2,100' To 5,280' Material Handling On Site With Dump Truck Or Flat Bed Truck.....	31.82	

01 65 00 00-0011 Material Transportation On Road From Site For Distances Greater Than 1

Mile From Staging Area (01 65)

Note: For use when materials to be delivered to another staging area or other site for final installation. Includes driver and equipment, time for travel, and return (roundtrip). The task quantity is the distance to the site (one way). Excludes loading time.

01 65 00 00-0012	EA		Material Transportation On Road From Site With 2-3 CY Pick-up Truck, Cargo Van Or Trailer, Up To 15 Miles.....	82.36	
Note: Each first 15 miles per trip					
For Each Additional Mile Over First 15 Miles, Add Per Mile				1.03	
For Each Additional Mile Over First 15 Miles, Add Per Mile				1.65	
01 65 00 00-0013	EA		Material Transportation On Road From Site With 24' To 26' Box Truck, Up To 15 Miles	118.64	
Note: Each first 15 miles per trip					
For Each Additional Mile Over First 15 Miles, Add Per Mile				1.48	
For Each Additional Mile Over First 15 Miles, Add Per Mile				2.37	

01 66 Product Storage and Handling Requirements (01 60)

01 66 19 Product Handling Requirements (01 66)

Note: Not for use in conjunction with other tasks when the distance is less than 2 stories or less than 125'.

01 66 19 00-0001 Transfer Delivered Materials Between Floors (01 66 19)

Note: For moving delivered, owner supplied or existing materials in a building.

01 66 19 00-0002	CY		Transfer Delivered Material Between Floors Via Stairs, Per Floor	17.26	
Note: Quantity equals volume of materials multiplied by number of floors traveled.					
01 66 19 00-0003	CY		Transfer Delivered Material Between Floors Via Elevator, Per Trip	11.22	
Note: Quantity is not multiplied by number of floors traveled. Includes transfer of materials between elevators, if more than one bank of elevators is required.					

01 66 19 00-0004 Transfer Delivered Materials Distances Greater Than 125' (01 66 19)

Note: For moving delivered, owner supplied or existing materials in a building.

01 66 19 00-0005	CY		Transfer Delivered Materials Distances Greater Than 125', Per CY Of Material Per 125'	7.01	
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01 66 19 00-0006 Transfer Demolition Debris Between Floors (01 66 19)

Note: Only for use with demolition tasks.

01 66 19 00-0007	CY		Transfer Demolition Debris Between Floors Via Stairs, Per Floor	17.26	
Note: Quantity equals material volume times bulk factor times number of floors traveled.					
01 66 19 00-0008	CY		Transfer Demolition Debris Between Floors Via Elevator, Per Trip	11.22	
Note: Quantity is not multiplied by number of floors traveled. Includes transfer of materials between elevators, if more than one bank of elevators is required.					

01 66 19 00-0009 Transfer Demolition Debris Distances Greater Than 125' (01 66 19)

Note: Only for use with demolition tasks.

01 66 19 00-0010	CY		Transfer Demolition Debris Distances Greater Than 125', Per CY Of Material Per 125'	7.01	
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10	01	General Requirements
	01 60	Product Requirements
	01 66	Product Storage and Handling Requirements



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 66 19 00-0011			Moving Furniture And Furnishings (01 66 19) Note: To be used when contractor is required to move furniture and furnishings occupying 55% or more of the total floor space.		
01 66 19 00-0012	SF		Removal, Transportation, Return And Reinstallation Of Office Furniture And Furnishings Note: Includes desks, tables, file cabinets, chairs, storage boxes, bookshelves, office equipment, computers, and other furniture and furnishings. Quantity equals total floor space.	1.12	

01 70 Execution and Closeout Requirements (01)

01 71 Examination and Preparation (01 70)

01 71 13 Mobilization (01 71)

01 71 13 00-0001			Equipment Delivery, Pickup, Mobilization And Demobilization (01 71 13) Note: Excludes flagman for traffic control where necessary. Per each mobilization delivery.		
01 71 13 00-0002	EA		Equipment Delivery, Pickup, Mobilization And Demobilization Using A Rollback Flatbed Truck Note: Includes loading, tie-down of equipment, delivery of equipment, off loading on site, rigging, dismantling, loading for return and transporting away. For equipment such as trenchers, skid-steer loaders (bobcats), industrial warehouse forklifts, sweepers, scissor platform lifts, telescoping and articulating boom man lifts with up to 40' boom lengths, etc.	469.18	
01 71 13 00-0003	EA		Equipment Delivery, Pickup, Mobilization And Demobilization Using A Tractor Trailer With Up To 53' Bed Note: Includes loading, tie-down of equipment, delivery of equipment, off loading on site, rigging, dismantling, loading for return and transporting away. For equipment such as bulldozers, motor scrapers, hydraulic excavators, gradalls, road graders, loader-backhoes, heavy-duty construction loaders, tractors, pavers, rollers, bridge finishers, straight mast construction forklifts, telescoping boom rough terrain construction forklifts, telescoping and articulating boom man lifts with >40' boom lengths, etc.	1,486.82	

01 71 13 00-0004			Crane Delivery, Pickup, Mobilization And Demobilization (01 71 13) Note: Includes delivery of equipment, off loading on site and rigging. Pick-up (return) includes dismantling, loading and transporting away. Excludes flagman for traffic control where necessary.		
01 71 13 00-0005	EA		Up To 20 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup.	500.45	
			For >30 To 60 Miles Radius, Add	125.11	
			For >60 To 100 Miles Radius, Add	200.18	
01 71 13 00-0006	EA		>20 To 40 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup.	813.24	
			For >30 To 60 Miles Radius, Add	203.31	
			For >60 To 100 Miles Radius, Add	325.30	
01 71 13 00-0007	EA		>40 To 70 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup.	1,126.02	
			For >30 To 60 Miles Radius, Add	281.51	
			For >60 To 100 Miles Radius, Add	450.41	
01 71 13 00-0008	EA		>70 To 110 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup.	1,814.13	
			For >30 To 60 Miles Radius, Add	453.53	
			For >60 To 100 Miles Radius, Add	725.65	
01 71 13 00-0009	EA		>110 To 125 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup.	2,277.06	
			For >30 To 60 Miles Radius, Add	569.27	
			For >60 To 100 Miles Radius, Add	910.82	
01 71 13 00-0010	EA		>125 To 150 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup.	2,833.81	
			For >30 To 60 Miles Radius, Add	708.45	
			For >60 To 100 Miles Radius, Add	1,133.52	
01 71 13 00-0011	EA		>150 To 185 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup.	3,265.44	
			For >30 To 60 Miles Radius, Add	816.36	
			For >60 To 100 Miles Radius, Add	1,306.18	
01 71 13 00-0012	EA		>185 To 210 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup.	3,653.30	
			For >30 To 60 Miles Radius, Add	913.33	
			For >60 To 100 Miles Radius, Add	1,461.32	
01 71 13 00-0013	EA		75 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup.	1,939.25	
			For >30 To 60 Miles Radius, Add	484.81	
			For >60 To 100 Miles Radius, Add	775.70	
01 71 13 00-0014	EA		100 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup.	3,065.27	
			For >30 To 60 Miles Radius, Add	766.32	
			For >60 To 100 Miles Radius, Add	1,226.11	
01 71 13 00-0015	EA		125 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup.	3,878.50	
			For >30 To 60 Miles Radius, Add	969.63	
			For >60 To 100 Miles Radius, Add	1,551.40	
01 71 13 00-0016	EA		150 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup.	4,816.85	
			For >30 To 60 Miles Radius, Add	1,204.21	
			For >60 To 100 Miles Radius, Add	1,926.74	
01 71 13 00-0017	EA		200 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup.	6,005.43	
			For >30 To 60 Miles Radius, Add	1,501.36	
			For >60 To 100 Miles Radius, Add	2,402.17	
01 71 13 00-0018	EA		250 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup.	7,006.33	
			For >30 To 60 Miles Radius, Add	1,751.58	
			For >60 To 100 Miles Radius, Add	2,802.53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 71 13 00-0019 EA 300 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane.....	10,009.04	
Note: Includes delivery, rigging and pickup.		
For >30 To 60 Miles Radius, Add	2,502.26	
For >60 To 100 Miles Radius, Add	4,003.62	
01 71 13 00-0020 EA 500 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane.....	13,724.90	
Note: Includes delivery, rigging and pickup.		
For >30 To 60 Miles Radius, Add	3,431.23	
For >60 To 100 Miles Radius, Add	5,489.96	
01 71 23 Field Engineering (01 71)		
01 71 23 16 Construction Surveying (01 71 23)		
01 71 23 16-0001 Conventional Topographic Survey (01 71 23 16)		
Note: The professional services include AutoCAD drafting and certification. The survey includes location of structures, walks, drives, parking, significant vegetation, utilities, etc. The area within building footprint is not to be considered as part of the acreage.		
01 71 23 16-0002 ACR Conventional Topographic Survey Of Clear Area With Few To No Obstacles	1,286.09	
01 71 23 16-0003 ACR Conventional Topographic Survey Of Clear Area With Medium Height Vegetation, Few Trees (<5% Buildings).....	3,577.49	
01 71 23 16-0004 ACR Conventional Topographic Survey Of Clear Area With Few Structures, And/or Wooded (5-25% Buildings).....	5,140.54	
01 71 23 16-0005 ACR Conventional Topographic Survey Of Developed Areas With Several Structures (25-65% Buildings).....	7,705.37	
01 71 23 16-0006 ACR Conventional Topographic Survey Of Highly Developed Areas, Sidewalks, Etcetera (>65% Buildings)	9,637.59	
01 71 23 16-0007 Property Lines Survey (01 71 23 16)		
Note: Not to be added to tasks in the "Conventional Topographic Survey" section.		
01 71 23 16-0008 LF Survey Property Lines On Cleared Land	2.81	
01 71 23 16-0009 LF Survey Property Lines On Slightly Wooded Land	3.27	
01 71 23 16-0010 LF Survey Property Lines On Wooded Land	3.82	
01 71 23 16-0011 Survey Monument (01 71 23 16)		
01 71 23 16-0012 EA 3' Precast Survey Monument.....	205.06	
For Owner Furnished Monument, Deduct	-79.52	
01 71 23 16-0013 EA Precast Survey Monument Box With Cast Iron Frame And Cover.....	307.78	
01 71 23 16-0014 EA Riser Ring For Survey Monument.....	159.36	
01 71 23 16-0015 EA Adjust Survey Monument Cover To Grade	238.58	
01 71 23 16-0016 Facade Surveying (01 71 23 16)		
01 71 23 16-0017 LF Facade Survey And Reports (LF Of Facade x Number Of Floors)	7.76	
01 71 23 16-0018 Utility Survey (01 71 23 16)		
Note: This survey is only for the location of underground utilities.		
01 71 23 16-0019 ACR Survey Clear Area For Underground Utilities.....	6,546.62	
01 71 23 16-0020 GPR Bridge Deck And Pavement Inspection (01 71 23 16)		
01 71 23 16-0021 GPR Bridge Deck And Pavement Inspection Mobilization Fee (01 71 23 16-0020)		
Note: One mobilization per project.		
01 71 23 16-0022 EA GPR Bridge Deck And Pavement Inspection Mobilization Fee.....	3,971.77	
01 71 23 16-0023 Bridge Deck Delamination Survey, GPR Bridge Deck Inspection (01 71 23 16-0020)		
Note: Each project will use the Survey Fee task with a quantity of 1 and one other task for the area of the bridge deck surveyed.		
01 71 23 16-0024 EA Survey Fee, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection	3,013.35	
01 71 23 16-0025 SF Up To 5,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection.....	1.27	
01 71 23 16-0026 SF >5,000 To 10,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection	1.00	
01 71 23 16-0027 SF >10,000 To 25,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection	0.80	
01 71 23 16-0028 SF >25,000 To 50,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection	0.60	
01 71 23 16-0029 SF >50,000 To 100,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection	0.48	
01 71 23 16-0030 SF >100,000 To 250,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection	0.38	
01 71 23 16-0031 SF >250,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection	0.28	
01 71 23 16-0032 Depth Of Reinforcement/Overlay Thickness Survey, GPR Bridge Deck Inspection (01 71 23 16-0020)		
Note: Each project will use the Survey Fee task with a quantity of 1 and one other task for the area of the bridge deck surveyed.		
01 71 23 16-0033 EA Survey Fee, Depth Of Reinforcement/Overlay Thickness Survey, GPR Bridge Deck Inspection	1,004.45	
01 71 23 16-0034 SF Depth Of Reinforcement/Overlay Thickness Survey, GPR Bridge Deck Inspection	0.06	
01 71 23 16-0035 Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection (01 71 23 16-0020)		
Note: Each project will use the Survey Fee task with a quantity of 1 and one other task for the area of the bridge deck surveyed.		
01 71 23 16-0036 EA Survey Fee, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection	1,004.45	
01 71 23 16-0037 SF Up To 5,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection.....	0.46	
01 71 23 16-0038 SF >5,000 To 10,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection	0.36	
01 71 23 16-0039 SF >10,000 To 25,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection	0.28	
01 71 23 16-0040 SF >25,000 To 50,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection	0.22	

01	General Requirements
01 70	Execution and Closeout Requirements
01 71	Examination and Preparation

MINOR	CSI	UOM	DESCRIPTION
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TOTAL DIRECT	DEMOLITION
UNIT COST	UNIT COST

01 71 23 16-0041	SF	>50,000 To 100,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection	0.18
01 71 23 16-0042	SF	>100,000 To 250,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection	0.14
01 71 23 16-0043	SF	>250,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection	0.10

01 71 23 16-0044 Pavement Structure And Thickness Measurement, GPR Pavement Inspection (01 71 23 16-0020)

Note: Each project will use one task for the length of the pavement surveyed.

01 71 23 16-0045	LM	Up To 4 Lane Miles (LM), Pavement Structure And Thickness Measurement, GPR Pavement Inspection	7,469.09
01 71 23 16-0046	LM	>4 To 9 Lane Miles (LM), Pavement Structure And Thickness Measurement, GPR Pavement Inspection	3,256.43
01 71 23 16-0047	LM	>9 To 49 Lane Miles (LM), Pavement Structure And Thickness Measurement, GPR Pavement Inspection	2,424.74
01 71 23 16-0048	LM	>49 To 99 Lane Miles (LM), Pavement Structure And Thickness Measurement, GPR Pavement Inspection	1,323.87
01 71 23 16-0049	LM	>99 Lane Miles (LM), Pavement Structure And Thickness Measurement, GPR Pavement Inspection	1,040.61

01 71 23 16-0050 Pavement Thickness Contour (Mapping), GPR Pavement Inspection (01 71 23 16-0020)

Note: Each project will use one task for the length of the pavement surveyed.

01 71 23 16-0051	LM	Up To 4 Lane Miles (LM), Pavement Thickness Contour (Mapping), GPR Pavement Inspection	9,504.11
01 71 23 16-0052	LM	>4 To 9 Lane Miles (LM), Pavement Thickness Contour (Mapping), GPR Pavement Inspection	4,469.80
01 71 23 16-0053	LM	>9 To 49 Lane Miles (LM), Pavement Thickness Contour (Mapping), GPR Pavement Inspection	3,395.04
01 71 23 16-0054	LM	>49 To 99 Lane Miles (LM), Pavement Thickness Contour (Mapping), GPR Pavement Inspection	1,902.43
01 71 23 16-0055	LM	>99 Lane Miles (LM), Pavement Thickness Contour (Mapping), GPR Pavement Inspection	1,504.67

01 71 23 16-0056 Pavement Void Detection (Mapping), GPR Pavement Inspection (01 71 23 16-0020)

Note: Each project will use one task for the length of the pavement surveyed.

01 71 23 16-0057	LM	Up To 4 Lane Miles (LM), Pavement Void Detection (Mapping), GPR Pavement Inspection	11,286.00
01 71 23 16-0058	LM	>4 To 9 Lane Miles (LM), Pavement Void Detection (Mapping), GPR Pavement Inspection	5,530.50
01 71 23 16-0059	LM	>9 To 49 Lane Miles (LM), Pavement Void Detection (Mapping), GPR Pavement Inspection	4,242.80
01 71 23 16-0060	LM	>49 To 99 Lane Miles (LM), Pavement Void Detection (Mapping), GPR Pavement Inspection	2,408.67
01 71 23 16-0061	LM	>99 Lane Miles (LM), Pavement Void Detection (Mapping), GPR Pavement Inspection	1,908.46

01 71 23 16-0062 Drone Survey (Extreme Aerial Productions) (01 71 23 16)

Note: Thermographic services to electrical line grid inspections.

01 71 23 16-0063 Mobilization For Drone Surveying (01 71 23 16-0062)

01 71 23 16-0064	EA	Mobilization For Up To 1000 Acres, Drone Survey/Topography 1/10 Or Better, Post Process Kinematic (PPK) Fixed Wing	270.04
01 71 23 16-0065	EA	Mobilization For > 1000 Acres Drone Survey/Topography 1/10 Or Better, Post Process Kinematic (PPK) Fixed Wing	675.11
01 71 23 16-0066	EA	Mobilization For Up To 400 Acres, Drone Survey/Topography 1/10 Or Better, Post Process Kinematic (PPK) Hexacopter	180.03
01 71 23 16-0067	EA	Mobilization For Drone Road Survey For Topography/Progression/Inspection	360.06
01 71 23 16-0068	EA	Mobilization For Drone Survey Stockpile	180.03
01 71 23 16-0069	EA	Mobilization For Drone Inspection	180.03
01 71 23 16-0070	EA	Mobilization For Qualitative Drone Thermal Inspection	360.06
01 71 23 16-0071	EA	Mobilization For Quantitative Drone Thermal Inspection	450.08
01 71 23 16-0072	EA	Mobilization For Drone Agricultural Multispectral Survey	720.12
01 71 23 16-0073	EA	Mobilization For Drone Building Inspection/Scan/Thermal	540.09
01 71 23 16-0074	EA	Mobilization For Drone 3D Modelling	450.08
01 71 23 16-0075	EA	Mobilization For Drone Spraying Crops Or Sanitation	810.14
01 71 23 16-0076	EA	Mobilization For Drone Video Progression/Marketing	180.03
01 71 23 16-0077	EA	Mobilization For Drone Pictures Progression/Marketing	180.03
01 71 23 16-0078	EA	Mobilization For Drone Training, Flying, Test Prep, Equipment Checks	180.03
01 71 23 16-0079	EA	Mobilization For Drone Accident Reconstruction	180.03
01 71 23 16-0080	EA	Mobilization For Drone Landfill Survey	270.04
01 71 23 16-0081	EA	Mobilization For Drone Event Security Using Tethered Drones	360.06
01 71 23 16-0082	EA	Mobilization For Drone Emergency Response	900.15
01 71 23 16-0083	EA	Mobilization For Drone Cell Tower Inspection	270.04

01 71 23 16-0084 Drone Surveying (01 71 23 16-0062)

01 71 23 16-0085	HR	Up To 1000 Acres, Drone Survey/Topography 1/10 Or Better, Post Process Kinematic (PPK) Fixed Wing	657.11
		Note: 3 hour minimum	
		For Visual Observation, Add	180.03
		For Additional Manpower, Add	180.03
01 71 23 16-0086	HR	> 1000 Acres, Drone Survey/Topography 1/10 Or Better, Post Process Kinematic (PPK) Fixed Wing	837.14
		For Visual Observation, Add	270.04
		For Additional Manpower, Add	216.04
01 71 23 16-0087	HR	Up To 400 Acres, Drone Survey/Topography 1/10 Or Better, Post Process Kinematic (PPK) Hexacopter	540.09
		Note: 3 hour minimum	
		For Visual Observation, Add	180.03
		For Additional Manpower, Add	180.03
01 71 23 16-0088	HR	Drone Road Survey For Topography/Progression/Inspection	630.10
		Note: 3 hour minimum	
		For Visual Observation, Add	270.04
		For Additional Manpower, Add	180.03
01 71 23 16-0089	HR	Drone Survey Stockpile	450.08
		Note: 3 hour minimum	
		For Visual Observation, Add	180.03
		For Additional Manpower, Add	180.03
01 71 23 16-0090	HR	Drone Inspection	630.10
		Note: 3 hour minimum	
		For Visual Observation, Add	180.03
		For Additional Manpower, Add	180.03

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 71 23 16-0091 HR Qualitative Drone Thermal Inspection.....	720.12	
Note: 5 hour minimum		
For Visual Observation, Add	270.04	
For Additional Manpower, Add	180.03	
01 71 23 16-0092 HR Quantitative Drone Thermal Inspection	1,080.18	
Note: 5 hour minimum		
For Visual Observation, Add	270.04	
For Additional Manpower, Add	180.03	
01 71 23 16-0093 HR Drone Agricultural Multispectral Survey	810.14	
Note: 6 hour minimum		
For Visual Observation, Add	180.03	
For Additional Manpower, Add	180.03	
01 71 23 16-0094 HR Drone Building Inspection/Scan/Thermal.....	720.12	
Note: 3 hour minimum		
For Visual Observation, Add	270.04	
For Additional Manpower, Add	180.03	
01 71 23 16-0095 HR Drone 3D Modelling	540.09	
Note: 3 hour minimum		
For Visual Observation, Add	270.04	
For Additional Manpower, Add	180.03	
01 71 23 16-0096 HR Drone Spraying Crops Or Sanitation	720.12	
Note: 3 hour minimum		
For Visual Observation, Add	225.04	
For Additional Manpower, Add	180.03	
01 71 23 16-0097 HR Drone Video Progression/Marketing	360.06	
Note: 2 hour minimum		
For Visual Observation, Add	180.03	
For Additional Manpower, Add	180.03	
01 71 23 16-0098 HR Drone Pictures Progression/Marketing	270.04	
Note: 2 hour minimum		
For Visual Observation, Add	180.03	
For Additional Manpower, Add	180.03	
01 71 23 16-0099 HR Drone Training, Flying, Test Prep, Equipment Checks	540.09	
Note: 3 hour minimum		
01 71 23 16-0100 HR Drone Accident Reconstruction	810.14	
Note: 2 hour minimum		
For Visual Observation, Add	180.03	
For Additional Manpower, Add	180.03	
01 71 23 16-0101 HR Drone Landfill Survey	657.11	
Note: 3 hour minimum		
For Visual Observation, Add	180.03	
For Additional Manpower, Add	180.03	
01 71 23 16-0102 HR Drone Event Security Using Tethered Drones	450.08	
Note: 3 hour minimum		
For Visual Observation, Add	180.03	
For Additional Manpower, Add	180.03	
01 71 23 16-0103 HR Drone Emergency Response	450.08	
Note: 3 hour minimum		
For Visual Observation, Add	270.04	
For Additional Manpower, Add	180.03	
01 71 23 16-0104 HR Drone Cell Tower Inspection	450.08	
Note: 3 hour minimum		
For Visual Observation, Add	225.04	
For Additional Manpower, Add	180.03	
01 71 23 16-0105 Utilization And Deliverables For Drone Surveying (01 71 23 16-0062)		
01 71 23 16-0106 Day Utilization Of GPS Ground Control For Drone Surveying	450.08	
01 71 23 16-0107 Day Utilization Of GPS Base Station Per Day For Drone Surveying	450.08	
01 71 23 16-0108 HR Processing And Data Deliverables And Reporting For Drone Surveying	180.03	
Note: 2 hour minimum		
01 71 23 16-0109 HR Processing And Data Deliverables And Reporting Of Thermal For Drone Surveying	360.06	
Note: 3 hour minimum		
01 71 23 16-0110 Travel, Waivers, And Editing For Drone Surveying (01 71 23 16-0062)		
01 71 23 16-0111 MI Travel Over 100 Miles For Drone Surveying	1.04	
Note: For additional miles over 100		
01 71 23 16-0112 EA Overnight Stay Per Person For Drone Surveying	225.04	
01 71 23 16-0113 EA Waiver Utilization B, C, D, And E For Drone Surveying	90.02	
Note: Restricted airspace		
01 71 23 16-0114 EA Night Waiver For Drone Surveying	117.02	
01 71 23 16-0115 EA Flying Over People Waiver For Drone Surveying	180.03	
01 71 23 16-0116 EA Beyond Visual Line Of Sight (BVLOS) Waiver For Drone Surveying	900.15	
01 71 23 16-0117 HR Editing Video For Drone Surveying	180.03	
Note: 2 hour minimum		
01 71 23 16-0118 HR Editing Pictures For Drone Surveying	90.02	
Note: 2 hour minimum		
01 71 23 16-0119 HR Custom Post Processing For Drone Surveying	270.04	
Note: 3 hour minimum		
01 71 36 Non-Destructive Concrete Examination (01 71)		
01 71 36 00-0001 Electromagnetic Survey (01 71 36)		
Note: To locate voids, prior to moving heavy machinery to an area of concern, to locate reinforcing bars, conduits, pipes, etc., prior to core drilling or cutting existing concrete, masonry or asphalt, to locate underground utilities, underground storage tanks, etc. Electromagnetic survey includes Subsurface Interface Radar (SIR) and/or Ground Penetrating Radar (GPR).		

01 General Requirements**01 70 Execution and Closeout Requirements****01 71 Examination and Preparation**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

01 71 36 00-0002		Electromagnetic (SIR/GPR) Survey (01 71 36 00-0001)	
01 71 36 00-0003	EA	Up To 1 Hour On Site, Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt.....	1,161.90
01 71 36 00-0004	EA	>1 To 4 Hours On Site, Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt.....	1,742.85
01 71 36 00-0005	EA	>4 To 8 Hours On Site, Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt.....	3,485.70
01 71 36 00-0006		Reports And Mapping For Electromagnetic (SIR/GPR) Surveys (01 71 36 00-0001)	
01 71 36 00-0007	EA	Standard Report For Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt..... Note: Includes a detailed description of the scope of work, inspection methods, and equipment used. Also includes visuals such as site locations, images of data, and site photos.	387.30
01 71 36 00-0008	EA	GPS Mapping Of Located Utilities/Items For Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt..... Note: Includes GPS coordinates of located items and reference items.	774.60
01 71 36 00-0009	EA	CAD Mapping Of Located Utilities/Items For Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt..... Note: Includes additions to the owner provided CAD drawing.	1,742.85

01 74 Cleaning and Waste Management (01 70)**01 74 13 Progress Cleaning** (01 74)

Note: For use on existing areas other than where actual work is to be performed where ordered by the owner. Daily cleanup and final cleanup is included in the contractor's adjustment factor.

01 74 13 00-0001		General (01 74 13)	
01 74 13 00-0002	CSF	Clean Miscellaneous Surfaces, Wipe Down With Mild Detergent.....	22.46
01 74 13 00-0003	CY	Collect Existing Debris And Load Into Truck Or Dumpster..... Note: Per CY of debris removed.	26.30

01 74 16 Site Maintenance (01 74)

01 74 16 00-0001		Parking Lot, Roads And Pathway Maintenance (01 74 16)	
		Note: These tasks shall be used for maintenance of existing roads and walks only as requested by the owner. Tasks not to be used in conjunction with related installation/demolition tasks.	
01 74 16 00-0002		Parking Lot, Road, And Street Sweeping (01 74 16 00-0001)	
01 74 16 00-0003	MSF	Sweep Parking Lot, With Street Sweeper.....	23.55
01 74 16 00-0004	MSF	Sweeper/Vacuum/Sprayer For Parking Lots, Streets And Roads.....	28.26

01 74 19 Construction Waste Management and Disposal (01 74)

Note: Tasks in this section shall be used as directed by owner.

01 74 19 00-0001		Debris Chutes (01 74 19)	
		Note: Includes hopper sections and entry sections. Used as required for buildings of all heights.	
01 74 19 00-0002		Steel Temporary Debris Chutes (01 74 19 00-0001)	
01 74 19 00-0003	LF	18" Diameter, Steel Temporary Debris Chute.....	43.00
01 74 19 00-0004	LF	30" Diameter, Steel Temporary Debris Chute.....	65.32
01 74 19 00-0005		Plastic Temporary Debris Chutes (01 74 19 00-0001)	
01 74 19 00-0006	LF	24" Diameter, Plastic Temporary Debris Chute..... <i>For Steel Liner, Add</i>	17.02 3.36
01 74 19 00-0007	LF	30" Diameter, Plastic Temporary Debris Chute..... <i>For Steel Liner, Add</i>	19.52 3.85
01 74 19 00-0008	LF	36" Diameter, Plastic Temporary Debris Chute..... <i>For Steel Liner, Add</i>	22.01 4.35
01 74 19 00-0009		Wood Temporary Debris Chutes (01 74 19 00-0001)	
01 74 19 00-0010	LF	4' x 4', Wood Temporary Debris Chute..... Note: Includes fabrication and installation.	33.74
01 74 19 00-0011		Construction Dumpsters Rental (01 74 19)	
		Note: Includes service to delivery and pick-up of dumpster, hauling of debris, rental of dumpster and all applicable non-hazardous disposal fees. Cost of "each" is based on each pick-up. Use modifier for excess tons up to legal state limit. Unacceptable materials include: aerosol cans, all liquids, animals, antifreeze, appliances, asbestos, barrels, batteries, chemical products, computers, contaminated oils (mixed with solvents, gasoline, etc.), dirt, fluorescent tubes, hazardous waste, herbicides and pesticides, industrial waste, lubricating/hydraulic oil, mattresses, medical waste, microwaves, monitors, motor oil, oil filters, other flammable liquids, paint (except completely dried latex paint cans, no liquids), petroleum-contaminated soil/lead paint chips, propane tanks, radioactive material, railroad ties, solvents, televisions, tires, and transmission oil.	
01 74 19 00-0012	EA	10 CY Dumpster (1 Ton) "Construction Debris"..... Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material. <i>For Each Ton Over Indicated Amount, Add</i>	597.23 95.00
01 74 19 00-0013	EA	15 CY Dumpster (2 Ton) "Construction Debris"..... Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material. <i>For Each Ton Over Indicated Amount, Add</i>	648.05 95.00
01 74 19 00-0014	EA	20 CY Dumpster (3 Ton) "Construction Debris"..... Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material. <i>For Each Ton Over Indicated Amount, Add</i>	677.22 95.00
01 74 19 00-0015	EA	30 CY Dumpster (4 Ton) "Construction Debris"..... Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material. <i>For Each Ton Over Indicated Amount, Add</i>	677.22 95.00

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 74 19 00-0016	EA	40 CY Dumpster (6 Ton) "Construction Debris"	878.88
		Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	
		For Each Ton Over Indicated Amount, Add	95.00
01 74 19 00-0017	EA	10 CY Low-Boy Dumpster "Concrete Or Asphalt Only"	770.91
		Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Concrete or asphalt only.	
01 74 19 00-0018	EA	15 CY Low-Boy Dumpster Clean Recyclable	841.22
		Note: For clean dirt, rock, concrete brick or asphalt with no trash or organics. Includes service to deliver and pick-up dumpster, hauling, rental and disposal fee.	
01 74 19 00-0019	EA	15 CY Low-Boy Dumpster Mixed Recyclable	904.00
		Note: For mixed dirt, rock, concrete brick or asphalt with no trash or organics. Includes service to deliver and pick-up dumpster, hauling, rental and disposal fee.	
01 74 19 00-0020		Concrete Washout Service (01 74 19)	
01 74 19 00-0021	MO	Ramless Concrete Washout Bin	582.81
		Note: Includes delivery.	
01 74 19 00-0022	MO	Ramped Concrete Washout Bin	699.37
		Note: Includes delivery.	
01 74 19 00-0023	EA	Interim Vacuum Service, Concrete Washout Bin	640.17
		Note: Includes vacuum and recycle excess clear liquid from the unfilled bin to allow additional space for washout material.	
01 74 19 00-0024	EA	Vacuum, Pickup, Swap And Dump, Concrete Washout Bin	1,387.04
		Note: Includes vacuum the liquid from the full bin and pick up the bin, and recycle all material. An empty bin will be left at the site if the project is not completed.	
01 74 19 00-0025		Debris Processing Fee (01 74 19)	
01 74 19 00-0026		Material Recycling Fees (01 74 19 00-0025)	
		Note: Not to be used with Dumpster Tasks which includes the Landfill Dump Fee. Excludes hauling.	
01 74 19 00-0027	CY	Drop-Off Asphalt At Recycling Center	46.88
01 74 19 00-0028	CY	Drop-Off Non-Reinforced Concrete At Recycling Center	62.81
01 74 19 00-0029	CY	Drop-Off Reinforced Concrete At Recycling Center	94.21
01 74 19 00-0030	CY	Drop-Off Brick Or Block At Recycling Center	81.65
01 74 19 00-0031	CY	Drop-Off Dirt At Recycling Center	91.07
01 74 19 00-0032	CY	Drop-Off Dimensional Lumber At Recycling Center	43.96
01 74 19 00-0033		Landfill Dump Fees (01 74 19 00-0025)	
		Note: Does not apply when material is transferred to owner's site or facility, or with use of dumpsters. Excludes hauling.	
01 74 19 00-0034	CY	Traditional Building Construction Materials Landfill Dump Fee	41.79
01 74 19 00-0035	TON	Traditional Building Construction Materials, Landfill Dump Fee	182.14
01 74 19 00-0036	CY	Trees, Stumps And Brush, Landfill Dump Fee	50.31
01 74 19 00-0037	CY	Hazardous Materials And Rubbish Landfill Dump Fee	119.96
		Note: Includes regulated waste such as paint cans, refrigerators/freezers, air conditioners, smoke detectors, batteries, etc.	
01 74 19 00-0038	CY	Asphalt, Concrete, Gravel And Subgrade Material, Landfill Dump Fee	85.24
01 74 19 00-0039	TON	General Refuse	99.97
		For Hard To Handle Materials, Add	10.00
01 74 19 00-0040	EA	Disposal Of Tires - Passenger	2.38
		Note: Up to 10 car tires. Use bulk rate for quantities over 10.	
01 74 19 00-0041	EA	Disposal Of Tires - Truck	11.90
		Note: Up to 5 truck tires. Use bulk rate for quantities over 5.	
01 74 19 00-0042	EA	Disposal Of Tires - Tractor	17.85
		Note: Up to 4 tractor tires. Use bulk rate for quantities over 4.	
01 74 19 00-0043	TON	Disposal Of Tires - Bulk	226.12
		Note: Includes cut tires and tire strips.	
01 74 19 00-0044	TON	Certified Pesticide Containers	123.99
01 74 19 00-0045		Hauling (01 74 19)	
		Note: Includes driver and equipment, ten (10) to fifteen (15) minutes load time, time for travel, dump time and return (roundtrip). The task quantity is the number of miles to the disposal site/transfer station (one way mileage) times the number of cubic yards being transported. For example, to haul 8 CY to a site 14 miles away, the quantity is calculated as follows: 14 miles x 8 CY = 112 CYM. Use both hauling tasks for distances greater than 15 miles. To haul 28 CY to a site 32 miles away, the quantity for the task to haul the first 15 miles is calculated: 15 miles x 28 CY = 420 CYM. The quantity for the additional hauling task over the first 15 miles is calculated: 32 total miles less 15 initial miles equals 17 miles x 28 CY = 476 CYM.	
01 74 19 00-0046	CYM	Hauling On Paved Roads, First 15 Miles	0.99
01 74 19 00-0047	CYM	Hauling On Paved Roads, Miles Over Initial 15 Miles	0.66
01 74 19 00-0048	CYM	Hauling On Unimproved Roads, First 15 Miles	1.52
01 74 19 00-0049	CYM	Hauling On Unimproved Roads, Miles Over Initial 15 Miles	1.19

01 74 23		Final Cleaning (01 74)	
01 74 23 00-0001		Cleaning Of Glass (01 74 23)	
01 74 23 00-0002	CSF	Cleaning Of Existing Glass Surfaces	30.77

01 78		Closeout Submittals (01 70)	
01 78 23		Operation and Maintenance Data (01 78)	
01 78 23 13		Operation Data (01 78 23)	
		Note: For specification publishing. Review specifications for requirements.	

01	01	General Requirements
	01 70	Execution and Closeout Requirements
	01 78	Closeout Submittals



		MINOR			TOTAL DIRECT	DEMOLITION
		CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
	01 78 23 13-0001	NTE		Operation Data Note: For specification publishing. Review specifications for requirements.	0.00	
01 78 23 16	Maintenance Data (01 78 23)					
				Note: For specification publishing. Review specifications for requirements.		
	01 78 23 16-0001	NTE		Maintenance Data..... Note: For specification publishing. Review specifications for requirements.	0.00	
01 78 33	Bonds (01 78)					
				Note: For specification publishing. Review specifications for requirements.		
	01 78 33 00-0001	NTE		Bonds..... Note: For specification publishing. Review specifications for requirements.	0.00	
01 78 36	Warranties (01 78)					
				Note: For specification publishing. Review specifications for requirements.		
	01 78 36 00-0001	NTE		Warranties Note: For specification publishing. Review specifications for requirements.	0.00	
01 78 39	Project Record Documents (01 78)					
				Note: For specification publishing. Review specifications for requirements.		
	01 78 39 00-0001	NTE		Project Record Documents..... Note: For specification publishing. Review specifications for requirements.	0.00	
01 79	Demonstration and Training (01 70)					
				Note: For specification publishing. Review specifications for requirements.		
	01 79 00 00-0001	NTE		Demonstration and Training..... Note: For specification publishing. Review specifications for requirements.	0.00	

END OF SECTION 01

Existing Conditions		02
Assessment		02 20
Existing Material Assessment		02 25
MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

02 Existing Conditions

02 20 Assessment⁽⁰²⁾

02 25 Existing Material Assessment^(02 20)

02 25 16 Existing Concrete, Masonry or Asphalt Assessment^(02 25)

See CSI section 01 71 36 00-0000 for non-destructive concrete examination.

02 25 16 13 Concrete Assessment Drilling^(02 25 16)

See CSI section 01 71 36 00-0000 for non-destructive concrete examination.

02 30 Subsurface Investigation⁽⁰²⁾

02 32 Geotechnical Investigations^(02 30)

02 32 13 Subsurface Drilling and Sampling^(02 32)

See CSI section 01 45 23 00-0000 for testing and lab reports.

02 32 13 00-0001 Mobilization Of Drilling Crew^(02 32 13)

02 32 13 00-0002 EA Mobilization Of Drilling Crew 1,182.31

02 32 13 00-0003 Auger Borings^(02 32 13)

02 32 13 00-0004 LF Standard Auger Hole With Split Spoon Sample At 5' Intervals 35.60

02 32 13 00-0005 Cased Borings In Earth, With Samples^(02 32 13)

Note: All types of soils.

02 32 13 00-0006 LF 2-1/2" Diameter Cased Borings In Earth, With Samples 94.64

02 32 13 00-0007 LF 4" Diameter Cased Borings In Earth, With Samples 161.87

02 32 13 00-0008 Drilling In Rock, BW Core (2.125")^(02 32 13)

02 32 13 00-0009 LF Drill In Rock, BW Core, With Casing 99.64

Note: Includes sampling.

02 32 13 00-0010 EA Drill In Rock, With BW Core Boxes 9.58

02 32 13 00-0011 Drilling In Rock, NW Core (2.98")^(02 32 13)

02 32 13 00-0012 LF Drill In Rock, NW Core, With Casing 128.96

Note: Includes sampling.

02 32 13 00-0013 EA Drill In Rock, With NW Core Boxes 11.01

02 32 13 00-0014 Test Pits For Boring Activities^(02 32 13)

Note: Excludes backfill. See CSI section 31 23 16 36-0016 for backfill.

02 32 13 00-0015 Backhoe Dug Test Pits^(02 32 13 00-0014)

02 32 13 00-0016 CY Excavation For Test Pit, Light Material, Backhoe Excavation 71.82

02 32 13 00-0017 CY Excavation For Test Pits, Medium Material, Backhoe Excavation 83.80

02 32 13 00-0018 CY Excavation For Test Pit, Heavy Material, Backhoe Excavation 111.72

02 32 13 00-0019 Hand-Dug Test Pits^(02 32 13 00-0014)

02 32 13 00-0020 CY Excavation For Test Pit, Light Soil, Hand Excavation 199.38

02 32 13 00-0021 CY Excavation For Test Pit, Heavy Soil, Hand Excavation 358.89

02 32 13 00-0022 Shelby Tube Sampling^(02 32 13)

02 32 13 00-0023 EA Shelby Tube Sampling 55.95

02 32 13 00-0024 EA Penetration Test 45.59

02 32 13 00-0025 Grouting^(02 32 13)

02 32 13 00-0026 VLF Boreholes 10.61

02 32 19 Exploratory Excavations^(02 32)

02 32 19 00-0001 Hydro Excavation^(02 32 19)

Note: Assumes on-site disposal. See CSI section 01 22 23 00-1477 for additional water per day, 01 71 13 00-0000 for additional support equipment mobilization, 01 74 19 00-0033 for off-site disposal fee of material, 01 74 19 00-0045 for hauling excavated soil from site.

02 32 19 00-0002 EA Hydro Excavation, Minimum Charge 1,392.02

Note: For projects where the total charge is less than the "Hydro Excavation Minimum" cost, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.

02 32 19 00-0003 EA 600 to 750 Gallon Water Capacity, 6 To 9 CY Soil Capacity, Hydro Excavation, Mobilization/Demobilization Per Day 696.01

02 32 19 00-0004 EA 1,200 To 1,500 Gallon Water Capacity, 12 To 15 CY Soil Capacity, Hydro Excavation, Mobilization/Demobilization Per Day 812.01

Note: Includes initial water

02 32 19 00-0005 EA Move And Reset Up At Different Access/Location, Hydro Excavation 116.00

02 Existing Conditions**02 30 Subsurface Investigation****02 32 Geotechnical Investigations**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

02 32 19 00-0006	CY	Hydro Excavation, Normal Soil Conditions (Hydro-Vac Truck)	96.75
Note: Normal soil conditions consist of silt, sand and gravel.			
02 32 19 00-0007	CY	Hydro Excavation, Adverse Soil Conditions (Hydro-Vac Truck).....	154.75
Note: Adverse soil conditions consist of clay, glacial till and rocks.			

02 40 Demolition and Structure Moving ⁽⁰²⁾**02 41 Demolition** ^(02 40)**02 41 13 Selective Site Demolition** ^(02 41)**02 41 13 13 Paving Removal** ^(02 41 13)**02 41 13 13-0001 By Machine, Break-up And Leave In Place Bituminous And Concrete Paving** ^(02 41 13 13)

Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles. These tasks are not to be used in conjunction with any other loading activities or other break-up tasks. Excludes saw cutting (where required) and disposal. See CSI section 02 41 13 13-0018 for breaking-up, removal and loading as a combined operation, 02 41 19 13-0001 for saw cutting.

02 41 13 13-0002	SY	Up To 3" By Machine, Break-up And Leave In Place Bituminous Paving	7.52
		For >500 To 1,000, Deduct	-0.75
		For >1,000 To 2,500, Deduct	-1.35
		For Of 2500 To 5000 SY, Deduct	-1.96
		For Of 5000 To 10000 SY, Deduct	-2.56
		For >10,000, Deduct	-3.16
02 41 13 13-0003	SY	>3" To 6" By Machine, Break-up And Leave In Place Bituminous Paving	11.28
		For >500 To 1,000, Deduct	-1.13
		For >1,000 To 2,500, Deduct	-2.03
		For Of 2500 To 5000 SY, Deduct	-2.93
		For Of 5000 To 10000 SY, Deduct	-3.84
		For >10,000, Deduct	-4.74
02 41 13 13-0004	SY	>6" To 9" By Machine, Break-up And Leave In Place Bituminous Paving	15.04
		For >500 To 1,000, Deduct	-1.50
		For >1,000 To 2,500, Deduct	-2.71
		For Of 2500 To 5000 SY, Deduct	-3.91
		For Of 5000 To 10000 SY, Deduct	-5.11
		For >10,000, Deduct	-6.32
02 41 13 13-0005	SY	Up To 3" By Machine, Break-up And Leave In Place Concrete Paving	14.45
		For >500 To 1,000, Deduct	-1.45
		For >1,000 To 2,500, Deduct	-2.60
		For Of 2500 To 5000 SY, Deduct	-3.76
		For Of 5000 To 10000 SY, Deduct	-4.91
		For >10,000, Deduct	-6.07
02 41 13 13-0006	SY	>3" To 6" By Machine, Break-up And Leave In Place Concrete Paving	20.40
		For >500 To 1,000, Deduct	-2.04
		For >1,000 To 2,500, Deduct	-3.67
		For Of 2500 To 5000 SY, Deduct	-5.30
		For Of 5000 To 10000 SY, Deduct	-6.94
		For >10,000, Deduct	-8.57
02 41 13 13-0007	SY	>6" To 9" By Machine, Break-up And Leave In Place Concrete Paving	28.90
		For >500 To 1,000, Deduct	-2.89
		For >1,000 To 2,500, Deduct	-5.20
		For Of 2500 To 5000 SY, Deduct	-7.51
		For Of 5000 To 10000 SY, Deduct	-9.83
		For >10,000, Deduct	-12.14
02 41 13 13-0008	SY	>9" To 14" By Machine, Break-up And Leave In Place Concrete Paving	40.80
		For >500 To 1,000, Deduct	-4.08
		For >1,000 To 2,500, Deduct	-7.34
		For Of 2500 To 5000 SY, Deduct	-10.61
		For Of 5000 To 10000 SY, Deduct	-13.87
		For >10,000, Deduct	-17.14
02 41 13 13-0009	SY	>14" To 19" By Machine, Break-up And Leave In Place Concrete Paving	53.35
		For >500 To 1,000, Deduct	-5.34
		For >1,000 To 2,500, Deduct	-9.60
		For Of 2500 To 5000 SY, Deduct	-13.87
		For Of 5000 To 10000 SY, Deduct	-18.14
		For >10,000, Deduct	-22.41
02 41 13 13-0010	SY	>19" To 24" By Machine, Break-up And Leave In Place Concrete Paving	69.36
		For >500 To 1,000, Deduct	-6.94
		For >1,000 To 2,500, Deduct	-12.48
		For Of 2500 To 5000 SY, Deduct	-18.03
		For Of 5000 To 10000 SY, Deduct	-23.58
		For >10,000, Deduct	-29.13

02 41 13 13-0011 By Hand, Break-up And Leave In Place Bituminous And Concrete Paving ^(02 41 13 13)

Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles with jackhammer and hand tools. For individual work areas where conventional equipment access is limited or prohibited. Task is only to be used when requested by owner. These tasks are not to be used in conjunction with any other loading activities or other break-up tasks. Excludes saw cutting (where required) and disposal. See CSI section 02 41 13 13-0038 for breaking-up, removal and loading as a combined operation, 02 41 19 13-0001 for saw cutting.

02 41 13 13-0012	SF	Up To 3" By Hand, Break-up And Leave In Place Bituminous Paving	1.83
02 41 13 13-0013	SF	>3" To 6" By Hand, Break-up And Leave In Place Bituminous Paving	2.33
02 41 13 13-0014	SF	>6" To 9" By Hand, Break-up And Leave In Place Bituminous Paving	3.07
02 41 13 13-0015	SF	Up To 3" By Hand, Break-up And Leave In Place Concrete Paving	2.29
02 41 13 13-0016	SF	>3" To 6" By Hand, Break-up And Leave In Place Concrete Paving	2.92
02 41 13 13-0017	SF	>6" To 9" By Hand, Break-up And Leave In Place Concrete Paving	3.84

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 13 13-0018		By Machine, Break-up And Remove Bituminous And Concrete Paving ^(02 41 13 13) Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles, breaking into manageable sizes by machine and loading into truck, dumpster or moving material to stockpile. Removal depth to include base aggregate. Excludes saw cutting (where required) and disposal. See CSI section 02 41 19 13-0001 for saw cutting.		
02 41 13 13-0019	SY	Up To 3" By Machine, Break-up And Remove Bituminous Paving	16.13	
		For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	4.84	
		Note: (Around Existing Structures And Obstructions), Add		
		For Elevated Slab, Add	8.07	
		For >500 To 1,000, Deduct	-1.61	
		For >1,000 To 2,500, Deduct	-2.90	
		For Of 2500 To 5000 SY, Deduct	-4.19	
		For Of 5000 To 10000 SY, Deduct	-5.48	
		For >10,000, Deduct	-6.77	
02 41 13 13-0020	SY	>3" To 6" By Machine, Break-up And Remove Bituminous Paving	22.02	
		For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	6.61	
		Note: (Around Existing Structures And Obstructions), Add		
		For Elevated Slab, Add	11.01	
		For >500 To 1,000, Deduct	-2.20	
		For >1,000 To 2,500, Deduct	-3.96	
		For Of 2500 To 5000 SY, Deduct	-5.73	
		For Of 5000 To 10000 SY, Deduct	-7.49	
		For >10,000, Deduct	-9.25	
02 41 13 13-0021	SY	>6" To 9" By Machine, Break-up And Remove Bituminous Paving	30.55	
		For Elevated Slab, Add	15.28	
		For >500 To 1,000, Deduct	-3.06	
		For >1,000 To 2,500, Deduct	-5.50	
		For Of 2500 To 5000 SY, Deduct	-7.94	
		For Of 5000 To 10000 SY, Deduct	-10.39	
		For >10,000, Deduct	-12.83	
02 41 13 13-0022	SY	>9" To 12" By Machine, Break-up And Remove Bituminous Paving	39.87	
		For Elevated Slab, Add	19.94	
		For >500 To 1,000, Deduct	-3.99	
		For >1,000 To 2,500, Deduct	-7.18	
		For Of 2500 To 5000 SY, Deduct	-10.37	
		For Of 5000 To 10000 SY, Deduct	-13.56	
		For >10,000, Deduct	-16.75	
02 41 13 13-0023	SY	>12" To 15" By Machine, Break-up And Remove Bituminous Paving	55.49	
		For Elevated Slab, Add	27.75	
		For >500 To 1,000, Deduct	-5.55	
		For >1,000 To 2,500, Deduct	-9.99	
		For Of 2500 To 5000 SY, Deduct	-14.43	
		For Of 5000 To 10000 SY, Deduct	-18.87	
		For >10,000, Deduct	-23.31	
02 41 13 13-0024	SY	>15" To 18" By Machine, Break-up And Remove Bituminous Paving	76.29	
		For Elevated Slab, Add	38.15	
		For >500 To 1,000, Deduct	-7.63	
		For >1,000 To 2,500, Deduct	-13.73	
		For Of 2500 To 5000 SY, Deduct	-19.84	
		For Of 5000 To 10000 SY, Deduct	-25.94	
		For >10,000, Deduct	-32.04	
02 41 13 13-0025	SY	Up To 3" By Machine, Break-up And Remove Non-Reinforced Concrete Paving	18.56	
		For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	5.57	
		Note: (Around Existing Structures And Obstructions), Add		
		For Elevated Slab, Add	9.28	
		For >500 To 1,000, Deduct	-1.86	
		For >1,000 To 2,500, Deduct	-3.34	
		For Of 2500 To 5000 SY, Deduct	-4.63	
		For Of 5000 To 10000 SY, Deduct	-6.31	
		For >10,000, Deduct	-7.80	
02 41 13 13-0026	SY	>3" To 6" By Machine, Break-up And Remove Non-Reinforced Concrete Paving	24.28	
		For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	7.28	
		Note: (Around Existing Structures And Obstructions), Add		
		For Elevated Slab, Add	12.14	
		For >500 To 1,000, Deduct	-2.43	
		For >1,000 To 2,500, Deduct	-4.37	
		For Of 2500 To 5000 SY, Deduct	-6.31	
		For Of 5000 To 10000 SY, Deduct	-8.26	
		For >10,000, Deduct	-10.20	
02 41 13 13-0027	SY	>6" To 9" By Machine, Break-up And Remove Non-Reinforced Concrete Paving	43.35	
		For Elevated Slab, Add	21.68	
		For >500 To 1,000, Deduct	-4.34	
		For >1,000 To 2,500, Deduct	-7.80	
		For Of 2500 To 5000 SY, Deduct	-11.27	
		For Of 5000 To 10000 SY, Deduct	-14.74	
		For >10,000, Deduct	-18.21	
02 41 13 13-0028	SY	>9" To 14" By Machine, Break-up And Remove Non-Reinforced Concrete Paving	56.63	
		For Elevated Slab, Add	28.32	
		For >500 To 1,000, Deduct	-5.66	
		For >1,000 To 2,500, Deduct	-10.19	
		For Of 2500 To 5000 SY, Deduct	-14.72	
		For Of 5000 To 10000 SY, Deduct	-19.25	
		For >10,000, Deduct	-23.78	

02 Existing Conditions**02 40 Demolition and Structure Moving****02 41 Demolition**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

02 41 13 13-0029	SY	Up To 3" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving	24.62
		For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	7.39
		Note: (Around Existing Structures And Obstructions), Add	
		For Elevated Slab, Add	12.31
		For >500 To 1,000, Deduct	-2.46
		For >1,000 To 2,500, Deduct	-4.43
		For Of 2500 To 5000 SY, Deduct	-6.40
		For Of 5000 To 10000 SY, Deduct	-8.37
		For >10,000, Deduct	-10.34
02 41 13 13-0030	SY	>3" To 6" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving	31.90
		For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	9.57
		Note: (Around Existing Structures And Obstructions), Add	
		For Elevated Slab, Add	15.95
		For >500 To 1,000, Deduct	-3.19
		For >1,000 To 2,500, Deduct	-5.74
		For Of 2500 To 5000 SY, Deduct	-8.29
		For Of 5000 To 10000 SY, Deduct	-10.85
		For >10,000, Deduct	-13.40
02 41 13 13-0031	SY	>6" To 9" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving	52.89
		For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	15.87
		Note: (Around Existing Structures And Obstructions), Add	
		For Elevated Slab, Add	26.45
		For >500 To 1,000, Deduct	-5.29
		For >1,000 To 2,500, Deduct	-9.52
		For Of 2500 To 5000 SY, Deduct	-13.75
		For Of 5000 To 10000 SY, Deduct	-17.98
		For >10,000, Deduct	-22.21
02 41 13 13-0032	SY	Up To 3" By Machine, Break-up And Remove Rod Reinforced Concrete Paving	26.70
		For Elevated Slab, Add	13.35
		For >500 To 1,000, Deduct	-2.67
		For >1,000 To 2,500, Deduct	-4.81
		For Of 2500 To 5000 SY, Deduct	-6.94
		For Of 5000 To 10000 SY, Deduct	-9.08
		For >10,000, Deduct	-11.21
02 41 13 13-0033	SY	>3" To 6" By Machine, Break-up And Remove Rod Reinforced Concrete Paving	34.34
		For Elevated Slab, Add	17.17
		For >500 To 1,000, Deduct	-3.43
		For >1,000 To 2,500, Deduct	-6.18
		For Of 2500 To 5000 SY, Deduct	-8.93
		For Of 5000 To 10000 SY, Deduct	-11.68
		For >10,000, Deduct	-14.42
02 41 13 13-0034	SY	>6" To 9" By Machine, Break-up And Remove Rod Reinforced Concrete Paving	61.38
		For Elevated Slab, Add	30.69
		For >500 To 1,000, Deduct	-6.14
		For >1,000 To 2,500, Deduct	-11.05
		For Of 2500 To 5000 SY, Deduct	-15.96
		For Of 5000 To 10000 SY, Deduct	-20.87
		For >10,000, Deduct	-25.78
02 41 13 13-0035	SY	>9" To 14" By Machine, Break-up And Remove Rod Reinforced Concrete Paving	80.12
		For Elevated Slab, Add	40.06
		For >500 To 1,000, Deduct	-8.01
		For >1,000 To 2,500, Deduct	-14.42
		For Of 2500 To 5000 SY, Deduct	-20.83
		For Of 5000 To 10000 SY, Deduct	-27.24
		For >10,000, Deduct	-33.65
02 41 13 13-0036	SY	>14" To 19" By Machine, Break-up And Remove Rod Reinforced Concrete Paving	104.74
		For Elevated Slab, Add	52.37
		For >500 To 1,000, Deduct	-10.47
		For >1,000 To 2,500, Deduct	-18.85
		For Of 2500 To 5000 SY, Deduct	-27.23
		For Of 5000 To 10000 SY, Deduct	-35.61
		For >10,000, Deduct	-43.99
02 41 13 13-0037	SY	>19" To 24" By Machine, Break-up And Remove Rod Reinforced Concrete Paving	127.11
		For Elevated Slab, Add	63.56
		For >500 To 1,000, Deduct	-12.71
		For >1,000 To 2,500, Deduct	-22.88
		For Of 2500 To 5000 SY, Deduct	-33.05
		For Of 5000 To 10000 SY, Deduct	-43.22
		For >10,000, Deduct	-53.39

02 41 13 13-0038 By Hand, Break-up And Remove Bituminous And Concrete Paving (02 41 13 13)

Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles. Work includes breaking into manageable size with jackhammer and hand tools, removal and loading onto a truck or dumpster. For individual work areas where conventional equipment access is limited or prohibited. Task is only to be used when requested by owner. Removal depth to include base aggregate. Excludes saw cutting (where required) and disposal. See CSI section 02 41 19 13-0001 for saw cutting.

02 41 13 13-0039	SF	Up To 3" By Hand, Break-up And Remove Bituminous Paving	4.09
02 41 13 13-0040	SF	>3" To 6" By Hand, Break-up And Remove Bituminous Paving	5.38
02 41 13 13-0041	SF	>6" To 9" By Hand, Break-up And Remove Bituminous Paving	7.00
02 41 13 13-0042	SF	Up To 3" By Hand, Break-up And Remove Concrete Paving	5.11
02 41 13 13-0043	SF	>3" To 6" By Hand, Break-up And Remove Concrete Paving	7.07
02 41 13 13-0044	SF	>6" To 9" By Hand, Break-up And Remove Concrete Paving	9.04
02 41 13 13-0045	SF	Up To 3" By Hand, Break-up And Remove Welded Wire Reinforced Concrete Paving	7.17
02 41 13 13-0046	SF	>3" To 6" By Hand, Break-up And Remove Welded Wire Reinforced Concrete Paving	9.89
02 41 13 13-0047	SF	>6" To 9" By Hand, Break-up And Remove Welded Wire Reinforced Concrete Paving	12.66

02 41 13 13-0048 Grind Concrete (02 41 13 13)

			Existing Conditions		02
			Demolition and Structure Moving		02 40
			Demolition		02 41
MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
			UNIT COST	UNIT COST	
02 41 13 13-0049	EA	Grind Existing Sidewalks, Up To 1/2" Depth, To Remove Ridges (Tripping Hazard).....252.30 Note: For each location up to 5' wide, feather up to 12" each direction. For >1/2" To 1" Depth Of Grinding, Add 37.85 For >1" To 1-1/2" Depth Of Grinding, Add 63.08 For Up To 5, Add 50.46 For >5 To 10, Add 25.23 For >25 To 50, Deduct -25.23 For >50 To 250, Deduct -37.85 For >250, Deduct -50.46 For Sidewalks >5', Add 25.23 For Up To 12" Additional Feathering Per Side, Add 25.23			
02 41 13 15 Hydro Demolition (02 41 13)					
02 41 13 15-0001		Hydro Demolition Of Concrete Pavement (02 41 13 15) Note: Includes removal but excludes disposal of concrete.			
02 41 13 15-0002	SF	Up To 2" Depth, Hydro Demolition, Using 40,000 PSI Water Jet.....8.03			
02 41 13 15-0003	SF	>2" To 4" Depth, Hydro Demolition, Using 40,000 PSI Water Jet.....10.03			
02 41 13 15-0004	SF	>4" To 6" Depth, Hydro Demolition, Using 40,000 PSI Water Jet.....13.42			
02 41 13 15-0005	SF	>6" To 8" Depth, Hydro Demolition, Using 40,000 PSI Water Jet.....26.72			
02 41 16 Structure Demolition (02 41)					
02 41 16 13 Building Demolition (02 41 16)					
02 41 16 13-0001		Building Interior Demolition (02 41 16 13) Note: Guttled and placed in truck or dumpsters. Based on overall floor area square foot or Gross Square Foot (GSF) including flooring under interior demolished walls. Includes all soft stripping of materials (doors and frames, non-load bearing walls, carpet, moldings, drywall, tile, ceiling, ductwork, piping, light fixtures, etc.), accessible mechanical, electrical, plumbing, overhead sprinkler, fire protection and similar systems. Excludes lead, asbestos or other contaminants or load bearing walls, mechanical, plumbing or electrical equipment such as furnaces, water heaters, plumbing fixtures, sump pumps, switchgear or panel boards. Excludes hauling, dump fees, recycling charges, and/or salvage value.			
02 41 16 13-0002	GSF	Residential Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck .....7.90			
02 41 16 13-0003	GSF	Up To 2,000 SF Commercial Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck.....11.94			
02 41 16 13-0004	GSF	>2,000 To 10,000 SF Commercial Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck .....9.77			
02 41 16 13-0005	GSF	>10,000 SF Commercial Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck .....8.69			
02 41 16 13-0006		Commercial And Residential Structures Demolition (02 41 16 13) Note: Complete demolition of structures. Includes site and building safety preparation, signage, dust control, scattered debris and other site clean-up, demolition equipment, and repair of any damaged adjacent property. Excludes (if required) utility disconnects and capping, underground or above ground storage tank removal, adjacent property protection, adjacent property cleanup, adjacent property work, site paving (asphalt or concrete), recycling fees, gutting/soft stripping (selective removal of materials for reuse) of building, site security, hazardous material abatement (including lead, asbestos, and PCBs), surveys, clearing and grubbing of site, cranes, traffic control, elevator removal, major mechanical equipment such as boilers, chillers, cooling towers, Etc., excavation or backfill, foundations, basement floor, slab-on grade, temporary fencing (installation and removal), hauling, disposal and dump fees for all debris (site and building), earthwork and erosion control. Pricing is by Hundred Cubic Foot (CCF) of complete building volume being demolished. For computing building volume, height is computed at actual floor-to-floor dimensions with attic and basement each computed at half-height, width and length are actual dimensions. Excludes salvage value.			
02 41 16 13-0007		Steel Framed Building Demolition (02 41 16 13-0006) Note: Includes masonry partitions and concrete decks.			
02 41 16 13-0008	CCF	By Pneumatic Tools/Hand, Steel Framed Building Demolition .....74.82 For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct -5.61 For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct -11.22 For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct -16.83 For Up To 500, Add 22.45 For >500 To 1,000, Add 14.96 For >1,000 To 2,000, Add 7.48 For Volume Of Area Within 15' To An Adjacent Building, Add 24.69 For No Interior Partitions, Deduct -18.71			
02 41 16 13-0009	CCF	By Machine, Steel Framed Building Demolition .....47.27 For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct -3.55 For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct -7.09 For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct -10.64 For Up To 500, Add 14.18 For >500 To 1,000, Add 9.45 For >1,000 To 2,000, Add 4.73 For Work >3 Stories To 6 Stories (Exclude Volume Below), Add 7.09 For Work >6 Stories To 10 Stories (Exclude Volume Below), Add 11.82 For Work >10 Stories To 15 Stories (Exclude Volume Below), Add 16.54 For Volume Of Area Within 15' To An Adjacent Building, Add 15.60 For No Interior Partitions, Deduct -11.82			
02 41 16 13-0010		Reinforced Concrete Building Demolition (02 41 16 13-0006)			
02 41 16 13-0011	CCF	By Pneumatic Tools/Hand, Reinforced Concrete Building Demolition .....93.88 For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct -7.04 For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct -14.08 For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct -21.12 For Up To 500, Add 28.16 For >500 To 1,000, Add 18.78 For >1,000 To 2,000, Add 9.39 For Volume Of Area Within 15' To An Adjacent Building, Add 30.98 For No Interior Partitions, Deduct -23.47			

02 Existing Conditions**02 40 Demolition and Structure Moving****02 41 Demolition**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

02 41 16 13-0012	CCF By Machine, Reinforced Concrete Building Demolition.....	62.42
	For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	-4.68
	For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	-9.36
	For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	-14.04
	For Up To 500, Add	18.73
	For >500 To 1,000, Add	12.48
	For >1,000 To 2,000, Add	6.24
	For Work >3 Stories To 6 Stories (Exclude Volume Below), Add	9.36
	For Work >6 Stories To 10 Stories (Exclude Volume Below), Add	15.61
	For Work >10 Stories To 15 Stories (Exclude Volume Below), Add	21.85
	For Volume Of Area Within 15' To An Adjacent Building, Add	20.60
	For No Interior Partitions, Deduct	-15.61

02 41 16 13-0013 Reinforced Block Masonry Building Demolition (02 41 16 13-0006)

02 41 16 13-0014	CCF By Pneumatic Tools/Hand, Reinforced Block Masonry Building Demolition	79.93
	For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	-5.99
	For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	-11.99
	For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	-17.98
	For Up To 500, Add	23.98
	For >500 To 1,000, Add	15.99
	For >1,000 To 2,000, Add	7.99
	For Volume Of Area Within 15' To An Adjacent Building, Add	26.38
	For No Interior Partitions, Deduct	-19.98
02 41 16 13-0015	CCF By Machine, Reinforced Block Masonry Building Demolition	52.41
	For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	-3.93
	For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	-7.86
	For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	-11.79
	For Up To 500, Add	15.72
	For >500 To 1,000, Add	10.48
	For >1,000 To 2,000, Add	5.24
	For Work >3 Stories To 6 Stories (Exclude Volume Below), Add	7.86
	For Work >6 Stories To 10 Stories (Exclude Volume Below), Add	13.10
	For Work >10 Stories To 15 Stories (Exclude Volume Below), Add	18.34
	For Volume Of Area Within 15' To An Adjacent Building, Add	17.30
	For No Interior Partitions, Deduct	-13.10

02 41 16 13-0016 Masonry Construction Building Demolition (02 41 16 13-0006)

02 41 16 13-0017	CCF By Pneumatic Tools/Hand, Masonry Construction Building Demolition	65.97
	For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	-4.95
	For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	-9.90
	For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	-14.84
	For Up To 500, Add	19.79
	For >500 To 1,000, Add	13.19
	For >1,000 To 2,000, Add	6.60
	For Volume Of Area Within 15' To An Adjacent Building, Add	21.77
	For No Interior Partitions, Deduct	-16.49
02 41 16 13-0018	CCF By Machine, Masonry Construction Building Demolition	42.42
	For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	-3.18
	For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	-6.36
	For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	-9.54
	For Up To 500, Add	12.73
	For >500 To 1,000, Add	8.48
	For >1,000 To 2,000, Add	4.24
	For Work >3 Stories To 6 Stories (Exclude Volume Below), Add	6.36
	For Work >6 Stories To 10 Stories (Exclude Volume Below), Add	10.61
	For Work >10 Stories To 15 Stories (Exclude Volume Below), Add	14.85
	For Volume Of Area Within 15' To An Adjacent Building, Add	14.00
	For No Interior Partitions, Deduct	-10.61

02 41 16 13-0019 Wood Frame Construction Building Demolition (02 41 16 13-0006)

02 41 16 13-0020	CCF By Pneumatic Tools/Hand, Wood Frame Construction Building Demolition	57.33
	For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	-4.30
	For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	-8.60
	For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	-12.90
	For Up To 500, Add	17.20
	For >500 To 1,000, Add	11.47
	For >1,000 To 2,000, Add	5.73
	For Volume Of Area Within 15' To An Adjacent Building, Add	18.92
	For No Interior Partitions, Deduct	-14.33
02 41 16 13-0021	CCF By Machine, Wood Frame Construction Building Demolition	36.29
	For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	-2.72
	For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	-5.44
	For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	-8.17
	For Up To 500, Add	10.89
	For >500 To 1,000, Add	7.26
	For >1,000 To 2,000, Add	3.63
	For Work >3 Stories To 6 Stories (Exclude Volume Below), Add	5.44
	For Volume Of Area Within 15' To An Adjacent Building, Add	11.98
	For No Interior Partitions, Deduct	-9.07

02 41 16 13-0022 Sorting Of Material Debris For Recycling Prior To Hauling Off (02 41 16 13-0006)

Note: Per building volume.

02 41 16 13-0023	CCF Sorting Of Material Debris For Recycling Prior To Hauling Off	9.86
	For Up To 500, Add	2.96
	For >500 To 1,000, Add	1.97
	For >1,000 To 2,000, Add	0.99

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 41 16 13-0024		Foundation Demolition (02 41 16 13) Note: Excludes earthwork.		
02 41 16 13-0025		Concrete Foundation Demolition (02 41 16 13-0024)		
02 41 16 13-0026	CF	Non-Reinforced Concrete Foundation Demolition	15.53	
		For >135 To 405, Deduct	-1.36	
		For >405 To 810, Deduct	-2.72	
		For >810 To 2025, Deduct	-3.88	
		For >2025, Deduct	-6.21	
02 41 16 13-0027	CF	Reinforced Concrete Foundation Demolition	18.64	
		For >135 To 405, Deduct	-1.63	
		For >405 To 810, Deduct	-3.26	
		For >810 To 2025, Deduct	-4.66	
		For >2025, Deduct	-7.46	
02 41 16 13-0028		Concrete Foundation Wall Demolition (02 41 16 13-0024)		
02 41 16 13-0029	SF	4" Thick Non-Reinforced Concrete Foundation Wall Demolition	6.66	
		For >500 To 2,000, Deduct	-0.50	
		For >2,000 To 6,000, Deduct	-1.33	
		For >6,000 To 8,000, Deduct	-2.33	
		For >8,000, Deduct	-3.66	
02 41 16 13-0030	SF	6" Thick Non-Reinforced Concrete Foundation Wall Demolition	8.88	
		For >500 To 2,000, Deduct	-0.67	
		For >2,000 To 6,000, Deduct	-1.78	
		For >6,000 To 8,000, Deduct	-3.11	
		For >8,000, Deduct	-4.88	
02 41 16 13-0031	SF	8" Thick Non-Reinforced Concrete Foundation Wall Demolition	11.10	
		For >500 To 2,000, Deduct	-0.83	
		For >2,000 To 6,000, Deduct	-2.22	
		For >6,000 To 8,000, Deduct	-3.89	
		For >8,000, Deduct	-6.11	
02 41 16 13-0032	SF	10" Thick Non-Reinforced Concrete Foundation Wall Demolition	13.31	
		For >500 To 2,000, Deduct	-1.00	
		For >2,000 To 6,000, Deduct	-2.66	
		For >6,000 To 8,000, Deduct	-4.66	
		For >8,000, Deduct	-7.32	
02 41 16 13-0033	SF	12" Thick Non-Reinforced Concrete Foundation Wall Demolition	15.53	
		For >500 To 2,000, Deduct	-1.16	
		For >2,000 To 6,000, Deduct	-3.11	
		For >6,000 To 8,000, Deduct	-5.44	
		For >8,000, Deduct	-8.54	
02 41 16 13-0034	SF	16" Thick Non-Reinforced Concrete Foundation Wall Demolition	17.75	
		For >500 To 2,000, Deduct	-1.33	
		For >2,000 To 6,000, Deduct	-3.55	
		For >6,000 To 8,000, Deduct	-6.21	
		For >8,000, Deduct	-9.76	
02 41 16 13-0035	SF	4" Thick Reinforced Concrete Foundation Wall Demolition	7.98	
		For >500 To 2,000, Deduct	-0.60	
		For >2,000 To 6,000, Deduct	-1.60	
		For >6,000 To 8,000, Deduct	-2.79	
		For >8,000, Deduct	-4.39	
02 41 16 13-0036	SF	6" Thick Reinforced Concrete Foundation Wall Demolition	10.65	
		For >500 To 2,000, Deduct	-0.80	
		For >2,000 To 6,000, Deduct	-2.13	
		For >6,000 To 8,000, Deduct	-3.73	
		For >8,000, Deduct	-5.86	
02 41 16 13-0037	SF	8" Thick Reinforced Concrete Foundation Wall Demolition	13.31	
		For >500 To 2,000, Deduct	-1.00	
		For >2,000 To 6,000, Deduct	-2.66	
		For >6,000 To 8,000, Deduct	-4.66	
		For >8,000, Deduct	-7.32	
02 41 16 13-0038	SF	10" Thick Reinforced Concrete Foundation Wall Demolition	15.75	
		For >500 To 2,000, Deduct	-1.18	
		For >2,000 To 6,000, Deduct	-3.15	
		For >6,000 To 8,000, Deduct	-5.51	
		For >8,000, Deduct	-8.66	
02 41 16 13-0039	SF	12" Thick Reinforced Concrete Foundation Wall Demolition	18.64	
		For >500 To 2,000, Deduct	-1.40	
		For >2,000 To 6,000, Deduct	-3.73	
		For >6,000 To 8,000, Deduct	-6.52	
		For >8,000, Deduct	-10.25	
02 41 16 13-0040	SF	16" Thick Reinforced Concrete Foundation Wall Demolition	21.30	
		For >500 To 2,000, Deduct	-1.60	
		For >2,000 To 6,000, Deduct	-4.26	
		For >6,000 To 8,000, Deduct	-7.46	
		For >8,000, Deduct	-11.72	
02 41 16 13-0041		Concrete Block Foundation Wall Demolition (02 41 16 13-0024)		
02 41 16 13-0042	SF	4" Thick Non-Reinforced Concrete Block Foundation Wall Demolition	4.88	
		For >500 To 2,000, Deduct	-0.37	
		For >2,000 To 6,000, Deduct	-0.98	
		For >6,000 To 8,000, Deduct	-1.71	
		For >8,000, Deduct	-2.68	

02 Existing Conditions**02 40 Demolition and Structure Moving****02 41 Demolition**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 41 16 13-0043	SF 6" Thick Non-Reinforced Concrete Block Foundation Wall Demolition	5.21
	For >500 To 2,000, Deduct	-0.39
	For >2,000 To 6,000, Deduct	-1.04
	For >6,000 To 8,000, Deduct	-1.82
	For >8,000, Deduct	-2.87
02 41 16 13-0044	SF 8" Thick Non-Reinforced Concrete Block Foundation Wall Demolition	5.88
	For >500 To 2,000, Deduct	-0.44
	For >2,000 To 6,000, Deduct	-1.18
	For >6,000 To 8,000, Deduct	-2.06
	For >8,000, Deduct	-3.23
02 41 16 13-0045	SF 10" Thick Non-Reinforced Concrete Block Foundation Wall Demolition	6.77
	For >500 To 2,000, Deduct	-0.51
	For >2,000 To 6,000, Deduct	-1.35
	For >6,000 To 8,000, Deduct	-2.37
	For >8,000, Deduct	-3.72
02 41 16 13-0046	SF 12" Thick Non-Reinforced Concrete Block Foundation Wall Demolition	7.54
	For >500 To 2,000, Deduct	-0.57
	For >2,000 To 6,000, Deduct	-1.51
	For >6,000 To 8,000, Deduct	-2.64
	For >8,000, Deduct	-4.15
02 41 16 13-0047	SF 16" Thick Non-Reinforced Concrete Block Foundation Wall Demolition	9.43
	For >500 To 2,000, Deduct	-0.71
	For >2,000 To 6,000, Deduct	-1.89
	For >6,000 To 8,000, Deduct	-3.30
	For >8,000, Deduct	-5.19
02 41 16 13-0048	SF 4" Thick Reinforced Concrete Block Foundation Wall Demolition	5.85
	For >500 To 2,000, Deduct	-0.44
	For >2,000 To 6,000, Deduct	-1.17
	For >6,000 To 8,000, Deduct	-2.05
	For >8,000, Deduct	-3.22
02 41 16 13-0049	SF 6" Thick Reinforced Concrete Block Foundation Wall Demolition	6.26
	For >500 To 2,000, Deduct	-0.47
	For >2,000 To 6,000, Deduct	-1.25
	For >6,000 To 8,000, Deduct	-2.19
	For >8,000, Deduct	-3.44
02 41 16 13-0050	SF 8" Thick Reinforced Concrete Block Foundation Wall Demolition	7.06
	For >500 To 2,000, Deduct	-0.53
	For >2,000 To 6,000, Deduct	-1.41
	For >6,000 To 8,000, Deduct	-2.47
	For >8,000, Deduct	-3.88
02 41 16 13-0051	SF 10" Thick Reinforced Concrete Block Foundation Wall Demolition	8.12
	For >500 To 2,000, Deduct	-0.61
	For >2,000 To 6,000, Deduct	-1.62
	For >6,000 To 8,000, Deduct	-2.84
	For >8,000, Deduct	-4.47
02 41 16 13-0052	SF 12" Thick Reinforced Concrete Block Foundation Wall Demolition	9.06
	For >500 To 2,000, Deduct	-0.68
	For >2,000 To 6,000, Deduct	-1.81
	For >6,000 To 8,000, Deduct	-3.17
	For >8,000, Deduct	-4.98
02 41 16 13-0053	SF 16" Thick Reinforced Concrete Block Foundation Wall Demolition	11.32
	For >500 To 2,000, Deduct	-0.85
	For >2,000 To 6,000, Deduct	-2.26
	For >6,000 To 8,000, Deduct	-3.96
	For >8,000, Deduct	-6.23

02 41 16 13-0054 Brick Foundation Wall Demolition (02 41 16 13-0024)

02 41 16 13-0055	SF 4" Thick Brick Foundation Wall Demolition	4.88
	For >500 To 2,000, Deduct	-0.37
	For >2,000 To 6,000, Deduct	-0.98
	For >6,000 To 8,000, Deduct	-1.71
	For >8,000, Deduct	-2.68
02 41 16 13-0056	SF 6" Thick Brick Foundation Wall Demolition	5.21
	For >500 To 2,000, Deduct	-0.39
	For >2,000 To 6,000, Deduct	-1.04
	For >6,000 To 8,000, Deduct	-1.82
	For >8,000, Deduct	-2.87
02 41 16 13-0057	SF 8" Thick Brick Foundation Wall Demolition	5.88
	For >500 To 2,000, Deduct	-0.44
	For >2,000 To 6,000, Deduct	-1.18
	For >6,000 To 8,000, Deduct	-2.06
	For >8,000, Deduct	-3.23
02 41 16 13-0058	SF 10" Thick Brick Foundation Wall Demolition	6.77
	For >500 To 2,000, Deduct	-0.51
	For >2,000 To 6,000, Deduct	-1.35
	For >6,000 To 8,000, Deduct	-2.37
	For >8,000, Deduct	-3.72
02 41 16 13-0059	SF 12" Thick Brick Foundation Wall Demolition	7.54
	For >500 To 2,000, Deduct	-0.57
	For >2,000 To 6,000, Deduct	-1.51
	For >6,000 To 8,000, Deduct	-2.64
	For >8,000, Deduct	-4.15
02 41 16 13-0060	SF 16" Thick Brick Foundation Wall Demolition	9.43
	For >500 To 2,000, Deduct	-0.71
	For >2,000 To 6,000, Deduct	-1.89
	For >6,000 To 8,000, Deduct	-3.30
	For >8,000, Deduct	-5.19

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 41 16 13-0061	Stone Foundation Demolition (02 41 16 13-0024)	
02 41 16 13-0062	CF Stone Footing Or Foundation Wall Demolition.....	15.53
	For >135 To 405, Deduct	-1.36
	For >405 To 810, Deduct	-2.72
	For >810 To 2025, Deduct	-3.88
	For >2025, Deduct	-6.21

02 41 16 13-0063	Other Foundation Demolition (02 41 16 13-0024)	
02 41 16 13-0064	CF Concrete Footing For Fence, Gate Or Playground Equipment Post, Etc. Demolition	16.33
	Note: Includes excavation.	
	For >135 To 405, Deduct	-1.43
	For >405 To 810, Deduct	-2.86
	For >810 To 2025, Deduct	-4.08
	For >2025, Deduct	-6.53

02 41 19 Selective Demolition (02 41)

02 41 19 13 Selective Building Demolition (02 41 19)

02 41 19 13-0001	Saw Cutting (02 41 19 13)	
	Note: Includes blade wear, water, taping off area, layout, clean-up and mist spray with wet vacuuming for dust control where necessary. For projects where the total saw cutting charge is less than the minimum charge, use task "Saw Cut Minimum Charge" exclusively. Task "Saw Cut Minimum Charge" should not be used in conjunction with any other tasks in this section.	
02 41 19 13-0002	EA Saw Cut Minimum Charge	1,132.24
	Note: For projects where the total saw cutting charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	
02 41 19 13-0003	LF Bituminous Paving Up To 4" Depth, Saw Cut	2.50
	For Each Additional Pass (Depth To 3"), Add	0.96
	For >250, Deduct	-0.24
02 41 19 13-0004	LF Brick Masonry Up To 4" Depth, Saw Cut	9.15
	For Each Additional Pass (Depth To 3"), Add	3.61
	For >250, Deduct	-0.90
02 41 19 13-0005	LF Concrete Block Up To 4" Depth, Saw Cut	8.29
	For Each Additional Pass (Depth To 3"), Add	3.26
	For >250, Deduct	-0.81
02 41 19 13-0006	LF Non-Reinforced Concrete Slab Or Paving Up To 4" Depth, Saw Cut	2.88
	For Each Additional Pass (Depth To 3"), Add	1.09
	For >250, Deduct	-0.27
02 41 19 13-0007	LF Welded Wire Reinforced Concrete Slab Up To 4" Depth, Saw Cut	3.79
	For Each Additional Pass (Depth To 3"), Add	1.44
	For >250, Deduct	-0.35
02 41 19 13-0008	LF Rod Reinforced Concrete Slab Up To 4" Depth, Saw Cut	6.18
	For Each Additional Pass (Depth To 3"), Add	2.39
	For >250, Deduct	-0.59
02 41 19 13-0009	LF Plain Concrete Walls Up To 4" Depth, Saw Cut	11.69
	For Each Additional Pass (Depth To 3"), Add	4.61
	For >250, Deduct	-1.15
02 41 19 13-0010	LF Saw Cut Rod Reinforced Concrete Walls Up To 4" Depth.....	15.70
	For Each Additional Pass (Depth To 3"), Add	6.20
	For >250, Deduct	-1.54
02 41 19 13-0011	LF Concrete And Asphalt Up To 4" Depth, Saw Cut In Streets.....	3.16
	For Each Additional Pass (Depth To 3"), Add	1.14
	For >250, Deduct	-0.27
02 41 19 13-0012	LF Igneous Stone Pavements Up To 4" Depth, Saw Cut.....	8.32
	For Each Additional Pass (Depth To 3"), Add	3.27
	For >250, Deduct	-0.81
02 41 19 13-0013	LF Sedimentary Stone Pavements Up To 4" Depth, Saw Cut	8.32
	For Each Additional Pass (Depth To 3"), Add	3.27
	For >250, Deduct	-0.81
02 41 19 13-0014	LF Metamorphic Stone Pavements Up To 4" Depth, Saw Cut.....	8.32
	For Each Additional Pass (Depth To 3"), Add	3.27
	For >250, Deduct	-0.81
02 41 19 13-0015	LF Terrazzo Stone Pavements Up To 4" Depth, Saw Cut	8.32
	For Each Additional Pass (Depth To 3"), Add	3.27
	For >250, Deduct	-0.81

02 41 19 13-0016	Torch Cutting (02 41 19 13)	
	Note: Includes grinding edge	
02 41 19 13-0017	LF Up To 1/2", Torch Cut Steel Plate.....	3.06
02 41 19 13-0018	LF >1/2" To 1" Thick, Torch Cut Steel Plate	6.12
02 41 19 13-0019	LF >1" To 1-1/2" Thick, Torch Cut Steel Plate	9.18
02 41 19 13-0020	LF >1-1/2" To 2" Thick, Torch Cut Steel Plate	12.23
02 41 19 13-0021	LF >2" To 2-1/2" Thick, Torch Cut Steel Plate	15.30
02 41 19 13-0022	LF >2-1/2" To 3" Thick, Torch Cut Steel Plate	18.37
02 41 19 13-0023	EA Torch Cutting Minimum Charge.....	1,015.09
	Note: For projects where the total torch cutting charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	

02 41 19 13-0024	Drilling In Existing Materials (02 41 19 13)	
	Note: Includes drill bit wear, water, layout, set-up and clean-up.	

02 41 19 13-0025	Concrete Core Drilling (02 41 19 13-0024)	
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02 41 19 13-0026	Up To 4" Thick Concrete Core Drilling (02 41 19 13-0025)	
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02 Existing Conditions**02 40 Demolition and Structure Moving****02 41 Demolition**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST	UNIT COST
02 41 19 13-0027	EA Drill 1" Diameter Core In Up To 4" Concrete.....	44.18			
	For Horizontal Cores, Add	8.74			
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	17.48			
02 41 19 13-0028	EA Drill 1-1/2" Diameter Core In Up To 4" Concrete	49.02			
	For Horizontal Cores, Add	9.71			
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	19.41			
02 41 19 13-0029	EA Drill 2" Diameter Core In Up To 4" Concrete.....	54.42			
	For Horizontal Cores, Add	10.79			
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	21.57			
02 41 19 13-0030	EA Drill 3" Diameter Core In Up To 4" Concrete.....	77.71			
	For Horizontal Cores, Add	15.41			
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	30.82			
02 41 19 13-0031	EA Drill 4" Diameter Core In Up To 4" Concrete.....	104.13			
	For Horizontal Cores, Add	20.65			
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	41.30			
02 41 19 13-0032	EA Drill 6" Diameter Core In Up To 4" Concrete.....	116.69			
	For Horizontal Cores, Add	23.12			
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	46.23			
02 41 19 13-0033	EA Drill 8" Diameter Core In Up To 4" Concrete.....	186.45			
	For Horizontal Cores, Add	36.99			
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	73.97			
02 41 19 13-0034	EA Drill 10" Diameter Core In Up To 4" Concrete.....	233.23			
	For Horizontal Cores, Add	46.23			
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	92.46			
02 41 19 13-0035	EA Drill 12" Diameter Core In Up To 4" Concrete.....	272.18			
	For Horizontal Cores, Add	53.94			
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	107.88			
02 41 19 13-0036	EA Drill 14" Diameter Core In Up To 4" Concrete.....	311.15			
	For Horizontal Cores, Add	61.64			
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	123.27			
02 41 19 13-0037	EA Drill 18" Diameter Core In Up To 4" Concrete.....	350.50			
	For Horizontal Cores, Add	69.34			
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	138.68			
02 41 19 13-0038 >4" To 6" Thick Concrete Core Drilling (02 41 19 13-0025)					
02 41 19 13-0039	EA Drill 1" Diameter Core In >4" To 6" Concrete.....	63.15			
	For Horizontal Cores, Add	12.48			
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	24.96			
02 41 19 13-0040	EA Drill 1-1/2" Diameter Core In >4" To 6" Concrete.....	70.08			
	For Horizontal Cores, Add	13.87			
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	27.73			
02 41 19 13-0041	EA Drill 2" Diameter Core In >4" To 6" Concrete.....	77.78			
	For Horizontal Cores, Add	15.41			
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	30.81			
02 41 19 13-0042	EA Drill 3" Diameter Core In >4" To 6" Concrete.....	93.49			
	For Horizontal Cores, Add	18.49			
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	36.98			
02 41 19 13-0043	EA Drill 4" Diameter Core In >4" To 6" Concrete.....	116.94			
	For Horizontal Cores, Add	23.12			
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	46.23			
02 41 19 13-0044	EA Drill 6" Diameter Core In >4" To 6" Concrete.....	155.79			
	For Horizontal Cores, Add	30.82			
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	61.64			
02 41 19 13-0045	EA Drill 8" Diameter Core In >4" To 6" Concrete.....	233.46			
	For Horizontal Cores, Add	46.23			
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	92.46			
02 41 19 13-0046	EA Drill 10" Diameter Core In >4" To 6" Concrete.....	272.80			
	For Horizontal Cores, Add	53.94			
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	107.88			
02 41 19 13-0047	EA Drill 12" Diameter Core In >4" To 6" Concrete.....	311.91			
	For Horizontal Cores, Add	61.64			
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	123.27			
02 41 19 13-0048	EA Drill 14" Diameter Core In >4" To 6" Concrete.....	351.22			
	For Horizontal Cores, Add	69.34			
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	138.68			
02 41 19 13-0049	EA Drill 18" Diameter Core In >4" To 6" Concrete.....	391.10			
	For Horizontal Cores, Add	77.05			
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	154.09			
02 41 19 13-0050 >6" To 8" Thick Concrete Core Drilling (02 41 19 13-0025)					
02 41 19 13-0051	EA Drill 1" Diameter Core In >6" To 8" Concrete.....	69.68			
	For Horizontal Cores, Add	13.73			
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	27.46			
02 41 19 13-0052	EA Drill 1-1/2" Diameter Core In >6" To 8" Concrete.....	77.30			
	For Horizontal Cores, Add	15.26			
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	30.51			
02 41 19 13-0053	EA Drill 2" Diameter Core In >6" To 8" Concrete.....	85.78			
	For Horizontal Cores, Add	16.95			
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	33.90			
02 41 19 13-0054	EA Drill 3" Diameter Core In >6" To 8" Concrete.....	101.57			
	For Horizontal Cores, Add	20.03			
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	40.07			
02 41 19 13-0055	EA Drill 4" Diameter Core In >6" To 8" Concrete.....	132.81			
	For Horizontal Cores, Add	26.20			
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	52.39			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0056	EA		Drill 6" Diameter Core In >6" To 8" Concrete.....	187.20	
			For Horizontal Cores, Add	36.99	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	73.97	
02 41 19 13-0057	EA		Drill 8" Diameter Core In >6" To 8" Concrete.....	311.27	
			For Horizontal Cores, Add	61.64	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	123.27	
02 41 19 13-0058	EA		Drill 10" Diameter Core In >6" To 8" Concrete.....	350.83	
			For Horizontal Cores, Add	69.34	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	138.68	
02 41 19 13-0059	EA		Drill 12" Diameter Core In >6" To 8" Concrete.....	390.19	
			For Horizontal Cores, Add	77.05	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	154.09	
02 41 19 13-0060	EA		Drill 14" Diameter Core In >6" To 8" Concrete.....	429.78	
			For Horizontal Cores, Add	84.74	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	169.47	
02 41 19 13-0061	EA		Drill 18" Diameter Core In >6" To 8" Concrete.....	470.23	
			For Horizontal Cores, Add	92.46	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	184.92	
02 41 19 13-0062 >8" To 10" Thick Concrete Core Drilling (02 41 19 13-0025)					
02 41 19 13-0063	EA		Drill 1" Diameter Core In >8" To 10" Concrete.....	82.41	
			For Horizontal Cores, Add	16.23	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	32.45	
02 41 19 13-0064	EA		Drill 1-1/2" Diameter Core In >8" To 10" Concrete.....	91.42	
			For Horizontal Cores, Add	18.03	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	36.06	
02 41 19 13-0065	EA		Drill 2" Diameter Core In >8" To 10" Concrete.....	101.44	
			For Horizontal Cores, Add	20.03	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	40.06	
02 41 19 13-0066	EA		Drill 3" Diameter Core In >8" To 10" Concrete.....	117.35	
			For Horizontal Cores, Add	23.12	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	46.23	
02 41 19 13-0067	EA		Drill 4" Diameter Core In >8" To 10" Concrete.....	133.29	
			For Horizontal Cores, Add	26.20	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	52.39	
02 41 19 13-0068	EA		Drill 6" Diameter Core In >8" To 10" Concrete.....	187.77	
			For Horizontal Cores, Add	36.99	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	73.97	
02 41 19 13-0069	EA		Drill 8" Diameter Core In >8" To 10" Concrete.....	312.05	
			For Horizontal Cores, Add	61.64	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	123.27	
02 41 19 13-0070	EA		Drill 10" Diameter Core In >8" To 10" Concrete.....	351.86	
			For Horizontal Cores, Add	69.34	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	138.68	
02 41 19 13-0071	EA		Drill 12" Diameter Core In >8" To 10" Concrete.....	391.36	
			For Horizontal Cores, Add	77.03	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	154.06	
02 41 19 13-0072	EA		Drill 14" Diameter Core In >8" To 10" Concrete.....	431.34	
			For Horizontal Cores, Add	84.74	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	169.47	
02 41 19 13-0073	EA		Drill 18" Diameter Core In >8" To 10" Concrete.....	472.18	
			For Horizontal Cores, Add	92.44	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	184.88	
02 41 19 13-0074 >10" To 12" Thick Concrete Core Drilling (02 41 19 13-0025)					
02 41 19 13-0075	EA		Drill 1" Diameter Core In >10" To 12" Concrete.....	88.92	
			For Horizontal Cores, Add	17.47	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	34.95	
02 41 19 13-0076	EA		Drill 1-1/2" Diameter Core In >10" To 12" Concrete.....	98.64	
			For Horizontal Cores, Add	19.42	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	38.84	
02 41 19 13-0077	EA		Drill 2" Diameter Core In >10" To 12" Concrete.....	109.42	
			For Horizontal Cores, Add	21.57	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	43.15	
02 41 19 13-0078	EA		Drill 3" Diameter Core In >10" To 12" Concrete.....	117.72	
			For Horizontal Cores, Add	23.12	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	46.23	
02 41 19 13-0079	EA		Drill 4" Diameter Core In >10" To 12" Concrete.....	156.88	
			For Horizontal Cores, Add	30.82	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	61.64	
02 41 19 13-0080	EA		Drill 6" Diameter Core In >10" To 12" Concrete.....	203.76	
			For Horizontal Cores, Add	40.07	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	80.14	
02 41 19 13-0081	EA		Drill 8" Diameter Core In >10" To 12" Concrete.....	328.27	
			For Horizontal Cores, Add	64.72	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	129.44	
02 41 19 13-0082	EA		Drill 10" Diameter Core In >10" To 12" Concrete.....	352.89	
			For Horizontal Cores, Add	69.34	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	138.68	
02 41 19 13-0083	EA		Drill 12" Diameter Core In >10" To 12" Concrete.....	408.13	
			For Horizontal Cores, Add	80.14	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	160.28	
02 41 19 13-0084 >12" Thick Concrete Core Drilling (02 41 19 13-0025)					

02 Existing Conditions**02 40 Demolition and Structure Moving****02 41 Demolition**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
02 41 19 13-0085	IN Drill 1" Diameter Core In >12" Concrete		10.82		
	For Horizontal Cores, Add	2.14			
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	4.28			
02 41 19 13-0086	IN Drill 1-1/2" Diameter Core In >12" Concrete		12.00		
	For Horizontal Cores, Add	2.37			
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	4.75			
02 41 19 13-0087	IN Drill 2" Diameter Core In >12" Concrete		13.32		
	For Horizontal Cores, Add	2.64			
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	5.28			
02 41 19 13-0088	IN Drill 3" Diameter Core In >12" Concrete		14.62		
	For Horizontal Cores, Add	2.89			
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	5.78			
02 41 19 13-0089	IN Drill 4" Diameter Core In >12" Concrete		19.48		
	For Horizontal Cores, Add	3.85			
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	7.70			
02 41 19 13-0090	IN Drill 6" Diameter Core In >12" Concrete		25.33		
	For Horizontal Cores, Add	5.01			
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	10.02			
02 41 19 13-0091	IN Drill 8" Diameter Core In >12" Concrete		40.88		
	For Horizontal Cores, Add	8.10			
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	16.20			
02 41 19 13-0092	IN Drill 10" Diameter Core In >12" Concrete		44.04		
	For Horizontal Cores, Add	8.70			
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	17.41			
02 41 19 13-0093	IN Drill 12" Diameter Core In >12" Concrete		50.73		
	For Horizontal Cores, Add	10.02			
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	20.04			
02 41 19 13-0094	Brick/Concrete Block Core Drilling (02 41 19 13-0024)				
02 41 19 13-0095	Up To 4" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0094)				
02 41 19 13-0096	EA Drill 1" Diameter Core In Up To 4" Brick/Concrete Block		35.44		
	For Horizontal Cores, Add	6.99			
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	13.98			
02 41 19 13-0097	EA Drill 1-1/2" Diameter Core In Up To 4" Brick/Concrete Block		39.31		
	For Horizontal Cores, Add	7.76			
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	15.53			
02 41 19 13-0098	EA Drill 2" Diameter Core In Up To 4" Brick/Concrete Block		43.64		
	For Horizontal Cores, Add	8.63			
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	17.26			
02 41 19 13-0099	EA Drill 3" Diameter Core In Up To 4" Brick/Concrete Block		62.30		
	For Horizontal Cores, Add	12.33			
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	24.66			
02 41 19 13-0100	EA Drill 4" Diameter Core In Up To 4" Brick/Concrete Block		83.47		
	For Horizontal Cores, Add	16.52			
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	33.04			
02 41 19 13-0101	EA Drill 6" Diameter Core In Up To 4" Brick/Concrete Block		93.57		
	For Horizontal Cores, Add	18.49			
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	36.98			
02 41 19 13-0102	EA Drill 8" Diameter Core In Up To 4" Brick/Concrete Block		149.46		
	For Horizontal Cores, Add	29.59			
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	59.18			
02 41 19 13-0103	EA Drill 10" Diameter Core In Up To 4" Brick/Concrete Block		187.00		
	For Horizontal Cores, Add	36.98			
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	73.97			
02 41 19 13-0104	EA Drill 12" Diameter Core In Up To 4" Brick/Concrete Block		218.25		
	For Horizontal Cores, Add	43.15			
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	86.30			
02 41 19 13-0105	EA Drill 14" Diameter Core In Up To 4" Brick/Concrete Block		249.51		
	For Horizontal Cores, Add	49.31			
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	98.62			
02 41 19 13-0106	EA Drill 18" Diameter Core In Up To 4" Brick/Concrete Block		281.16		
	For Horizontal Cores, Add	55.47			
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	110.94			
02 41 19 13-0107	>4" To 6" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0094)				
02 41 19 13-0108	EA Drill 1" Diameter Core In > 4" To 6" Brick/Concrete Block		50.67		
	For Horizontal Cores, Add	9.98			
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	19.97			
02 41 19 13-0109	EA Drill 1-1/2" Diameter Core In > 4" To 6" Brick/Concrete Block		56.21		
	For Horizontal Cores, Add	11.09			
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	22.18			
02 41 19 13-0110	EA Drill 2" Diameter Core In >4" To 6" Brick/Concrete Block		62.37		
	For Horizontal Cores, Add	12.32			
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	24.65			
02 41 19 13-0111	EA Drill 3" Diameter Core In >4" To 6" Brick/Concrete Block		75.00		
	For Horizontal Cores, Add	14.79			
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	29.59			
02 41 19 13-0112	EA Drill 4" Diameter Core In >4" To 6" Brick/Concrete Block		93.82		
	For Horizontal Cores, Add	18.49			
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	36.98			
02 41 19 13-0113	EA Drill 6" Diameter Core In >4" To 6" Brick/Concrete Block		124.97		
	For Horizontal Cores, Add	24.66			
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	49.31			
02 41 19 13-0114	EA Drill 8" Diameter Core In >4" To 6" Brick/Concrete Block		187.23		
	For Horizontal Cores, Add	36.98			
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	73.97			

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0115	EA	Drill 10" Diameter Core In >4" To 6" Brick/Concrete Block	218.87	
		For Horizontal Cores, Add	43.15	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	86.30	
02 41 19 13-0116	EA	Drill 12" Diameter Core In >4" To 6" Brick/Concrete Block	250.27	
		For Horizontal Cores, Add	49.31	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	98.62	
02 41 19 13-0117	EA	Drill 14" Diameter Core In >4" To 6" Brick/Concrete Block	281.88	
		For Horizontal Cores, Add	55.47	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	110.94	
02 41 19 13-0118	EA	Drill 18" Diameter Core In >4" To 6" Brick/Concrete Block	314.06	
		For Horizontal Cores, Add	61.64	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	123.28	
02 41 19 13-0119 >6" To 8" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0094)				
02 41 19 13-0120	EA	Drill 1" Diameter Core In > 6" To 8" Brick/Concrete Block	55.94	
		For Horizontal Cores, Add	10.98	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	21.97	
02 41 19 13-0121	EA	Drill 1-1/2" Diameter Core In > 6" To 8" Brick/Concrete Block	62.04	
		For Horizontal Cores, Add	12.20	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	24.41	
02 41 19 13-0122	EA	Drill 2" Diameter Core In >6" To 8" Brick/Concrete Block	68.83	
		For Horizontal Cores, Add	13.56	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	27.12	
02 41 19 13-0123	EA	Drill 3" Diameter Core In >6" To 8" Brick/Concrete Block	81.53	
		For Horizontal Cores, Add	16.03	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	32.05	
02 41 19 13-0124	EA	Drill 4" Diameter Core In >6" To 8" Brick/Concrete Block	106.61	
		For Horizontal Cores, Add	20.96	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	41.91	
02 41 19 13-0125	EA	Drill 6" Diameter Core In >6" To 8" Brick/Concrete Block	150.21	
		For Horizontal Cores, Add	29.59	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	59.18	
02 41 19 13-0126	EA	Drill 8" Diameter Core In >6" To 8" Brick/Concrete Block	249.63	
		For Horizontal Cores, Add	49.31	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	98.62	
02 41 19 13-0127	EA	Drill 10" Diameter Core In >6" To 8" Brick/Concrete Block	281.49	
		For Horizontal Cores, Add	55.47	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	110.94	
02 41 19 13-0128	EA	Drill 12" Diameter Core In >6" To 8" Brick/Concrete Block	313.15	
		For Horizontal Cores, Add	61.64	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	123.28	
02 41 19 13-0129	EA	Drill 14" Diameter Core In >6" To 8" Brick/Concrete Block	345.05	
		For Horizontal Cores, Add	67.79	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	135.58	
02 41 19 13-0130	EA	Drill 18" Diameter Core In >6" To 8" Brick/Concrete Block	377.78	
		For Horizontal Cores, Add	73.97	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	147.94	
02 41 19 13-0131 >8" To 10" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0094)				
02 41 19 13-0132	EA	Drill 1" Diameter Core In > 8" To 10" Brick/Concrete Block	66.19	
		For Horizontal Cores, Add	12.98	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	25.96	
02 41 19 13-0133	EA	Drill 1-1/2" Diameter Core In > 8" To 10" Brick/Concrete Block	73.40	
		For Horizontal Cores, Add	14.42	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	28.85	
02 41 19 13-0134	EA	Drill 2" Diameter Core In >8" To 10" Brick/Concrete Block	81.41	
		For Horizontal Cores, Add	16.03	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	32.05	
02 41 19 13-0135	EA	Drill 3" Diameter Core In >8" To 10" Brick/Concrete Block	94.23	
		For Horizontal Cores, Add	18.49	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	36.98	
02 41 19 13-0136	EA	Drill 4" Diameter Core In >8" To 10" Brick/Concrete Block	107.09	
		For Horizontal Cores, Add	20.96	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	41.91	
02 41 19 13-0137	EA	Drill 6" Diameter Core In >8" To 10" Brick/Concrete Block	150.78	
		For Horizontal Cores, Add	29.59	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	59.18	
02 41 19 13-0138	EA	Drill 8" Diameter Core In >8" To 10" Brick/Concrete Block	250.41	
		For Horizontal Cores, Add	49.31	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	98.62	
02 41 19 13-0139	EA	Drill 10" Diameter Core In >8" To 10" Brick/Concrete Block	282.52	
		For Horizontal Cores, Add	55.47	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	110.94	
02 41 19 13-0140	EA	Drill 12" Diameter Core In >8" To 10" Brick/Concrete Block	314.33	
		For Horizontal Cores, Add	61.63	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	123.25	
02 41 19 13-0141	EA	Drill 14" Diameter Core In >8" To 10" Brick/Concrete Block	346.61	
		For Horizontal Cores, Add	67.79	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	135.58	
02 41 19 13-0142	EA	Drill 18" Diameter Core In >8" To 10" Brick/Concrete Block	379.74	
		For Horizontal Cores, Add	73.95	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	147.90	
02 41 19 13-0143 >10" To 12" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0094)				

02 Existing Conditions**02 40 Demolition and Structure Moving****02 41 Demolition**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

02 41 19 13-0144	EA	Drill 1" Diameter Core In >10" To 12" Brick/Concrete Block	71.45
		<i>For Horizontal Cores, Add</i>	13.98
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	27.96
02 41 19 13-0145	EA	Drill 1-1/2" Diameter Core In > 10" To 12" Brick/Concrete Block	79.22
		<i>For Horizontal Cores, Add</i>	15.53
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	31.07
02 41 19 13-0146	EA	Drill 2" Diameter Core In >10" To 12" Brick/Concrete Block	87.84
		<i>For Horizontal Cores, Add</i>	17.26
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	34.52
02 41 19 13-0147	EA	Drill 3" Diameter Core In >10" To 12" Brick/Concrete Block	94.60
		<i>For Horizontal Cores, Add</i>	18.49
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	36.98
02 41 19 13-0148	EA	Drill 4" Diameter Core In >10" To 12" Brick/Concrete Block	126.06
		<i>For Horizontal Cores, Add</i>	24.66
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	49.31
02 41 19 13-0149	EA	Drill 6" Diameter Core In >10" To 12" Brick/Concrete Block	163.69
		<i>For Horizontal Cores, Add</i>	32.05
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	64.11
02 41 19 13-0150	EA	Drill 8" Diameter Core In >10" To 12" Brick/Concrete Block	263.54
		<i>For Horizontal Cores, Add</i>	51.78
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	103.55
02 41 19 13-0151	EA	Drill 10" Diameter Core In >10" To 12" Brick/Concrete Block	283.55
		<i>For Horizontal Cores, Add</i>	55.47
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	110.94
02 41 19 13-0152	EA	Drill 12" Diameter Core In >10" To 12" Brick/Concrete Block	327.99
		<i>For Horizontal Cores, Add</i>	64.11
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	128.22

02 41 19 13-0153 >12" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0094)

02 41 19 13-0154	IN	Drill 1" Diameter Core In >12" Brick/Concrete Block	8.67
		<i>For Horizontal Cores, Add</i>	1.71
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	3.42
02 41 19 13-0155	IN	Drill 1-1/2" Diameter Core In >12" Brick/Concrete Block	9.62
		<i>For Horizontal Cores, Add</i>	1.90
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	3.80
02 41 19 13-0156	IN	Drill 2" Diameter Core In >12" Brick/Concrete Block	10.69
		<i>For Horizontal Cores, Add</i>	2.11
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	4.22
02 41 19 13-0157	IN	Drill 3" Diameter Core In >12" Brick/Concrete Block	11.73
		<i>For Horizontal Cores, Add</i>	2.31
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	4.62
02 41 19 13-0158	IN	Drill 4" Diameter Core In >12" Brick/Concrete Block	15.64
		<i>For Horizontal Cores, Add</i>	3.08
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	6.16
02 41 19 13-0159	IN	Drill 6" Diameter Core In >12" Brick/Concrete Block	20.33
		<i>For Horizontal Cores, Add</i>	4.01
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	8.02
02 41 19 13-0160	IN	Drill 8" Diameter Core In >12" Brick/Concrete Block	32.78
		<i>For Horizontal Cores, Add</i>	6.48
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	12.96
02 41 19 13-0161	IN	Drill 10" Diameter Core In >12" Brick/Concrete Block	35.34
		<i>For Horizontal Cores, Add</i>	6.96
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	13.93
02 41 19 13-0162	IN	Drill 12" Diameter Core In >12" Brick/Concrete Block	40.71
		<i>For Horizontal Cores, Add</i>	8.02
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	16.04

02 41 19 13-0163 Asphalt Core Drilling (02 41 19 13-0024)

02 41 19 13-0164 Up To 2" Thick Asphalt Core Drilling (02 41 19 13-0163)

02 41 19 13-0165	EA	Drill 1" Diameter Core In Up To 2" Asphalt	21.19
02 41 19 13-0166	EA	Drill 1-1/2" Diameter Core In Up To 2" Asphalt	26.49
02 41 19 13-0167	EA	Drill 2" Diameter Core In Up To 2" Asphalt	33.12
02 41 19 13-0168	EA	Drill 3" Diameter Core In Up To 2" Asphalt	41.09
02 41 19 13-0169	EA	Drill 4" Diameter Core In Up To 2" Asphalt	51.71
02 41 19 13-0170	EA	Drill 6" Diameter Core In Up To 2" Asphalt	64.96
02 41 19 13-0171	EA	Drill 8" Diameter Core In Up To 2" Asphalt	80.91
02 41 19 13-0172	EA	Drill 10" Diameter Core In Up To 2" Asphalt	100.76
02 41 19 13-0173	EA	Drill 12" Diameter Core In Up To 2" Asphalt	125.92

02 41 19 13-0174 >2" To 3" Thick Asphalt Core Drilling (02 41 19 13-0163)

02 41 19 13-0175	EA	Drill 1" Diameter Core In >2" To 3" Asphalt	26.48
02 41 19 13-0176	EA	Drill 1-1/2" Diameter Core In >2" To 3" Asphalt	34.43
02 41 19 13-0177	EA	Drill 2" Diameter Core In >2" To 3" Asphalt	42.38
02 41 19 13-0178	EA	Drill 3" Diameter Core In >2" To 3" Asphalt	53.00
02 41 19 13-0179	EA	Drill 4" Diameter Core In >2" To 3" Asphalt	66.25
02 41 19 13-0180	EA	Drill 6" Diameter Core In >2" To 3" Asphalt	83.47
02 41 19 13-0181	EA	Drill 8" Diameter Core In >2" To 3" Asphalt	103.41
02 41 19 13-0182	EA	Drill 10" Diameter Core In >2" To 3" Asphalt	129.86
02 41 19 13-0183	EA	Drill 12" Diameter Core In >2" To 3" Asphalt	161.64

02 41 19 13-0184 >3" To 4" Thick Asphalt Core Drilling (02 41 19 13-0163)

02 41 19 13-0185	EA	Drill 1" Diameter Core In >3" To 4" Asphalt	34.44
02 41 19 13-0186	EA	Drill 1-1/2" Diameter Core In >3" To 4" Asphalt	43.73

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0187	EA	Drill 2" Diameter Core In >3" To 4" Asphalt	54.32	
02 41 19 13-0188	EA	Drill 3" Diameter Core In >3" To 4" Asphalt	67.59	
02 41 19 13-0189	EA	Drill 4" Diameter Core In >3" To 4" Asphalt	84.84	
02 41 19 13-0190	EA	Drill 6" Diameter Core In >3" To 4" Asphalt	106.06	
02 41 19 13-0191	EA	Drill 8" Diameter Core In >3" To 4" Asphalt	132.64	
02 41 19 13-0192	EA	Drill 10" Diameter Core In >3" To 4" Asphalt	165.73	
02 41 19 13-0193	EA	Drill 12 Diameter Core In >3" To 4" Asphalt.....	206.79	
02 41 19 13-0194 >4" To 6" Thick Asphalt Core Drilling (02 41 19 13-0163)				
02 41 19 13-0195	EA	Drill 1" Diameter Core In >4" To 6" Asphalt	45.07	
02 41 19 13-0196	EA	Drill 1-1/2" Diameter Core In >4" To 6" Asphalt	55.70	
02 41 19 13-0197	EA	Drill 2" Diameter Core In >4" To 6" Asphalt	68.94	
02 41 19 13-0198	EA	Drill 3" Diameter Core In >4" To 6" Asphalt	87.56	
02 41 19 13-0199	EA	Drill 4" Diameter Core In >4" To 6" Asphalt	108.82	
02 41 19 13-0200	EA	Drill 6" Diameter Core In >4" To 6" Asphalt	135.36	
02 41 19 13-0201	EA	Drill 8" Diameter Core In >4" To 6" Asphalt	169.95	
02 41 19 13-0202	EA	Drill 10" Diameter Core In >4" To 6" Asphalt	212.33	
02 41 19 13-0203	EA	Drill 12" Diameter Core In >4" To 6" Asphalt	265.36	
02 41 19 13-0204 Manhole Core Drilling (02 41 19 13-0024)				
02 41 19 13-0205	EA	Drill 4" Diameter Core In 6" Brick Manhole	232.07	
02 41 19 13-0206	EA	Drill 5" Diameter Core In 6" Brick Manhole	265.21	
02 41 19 13-0207	EA	Drill 6" Diameter Core In 6" Brick Manhole	309.31	
02 41 19 13-0208	EA	Drill 8" Diameter Core In 6" Brick Manhole	463.85	
02 41 19 13-0209	EA	Drill 2" Diameter Core In 8" Concrete Manhole.....	310.93	
02 41 19 13-0210	EA	Drill 3" Diameter Core In 8" Concrete Manhole.....	331.10	
02 41 19 13-0211	EA	Drill 4" Diameter Core In 8" Concrete Manhole.....	364.50	
02 41 19 13-0212	EA	Drill 5" Diameter Core In 8" Concrete Manhole.....	391.09	
02 41 19 13-0213	EA	Drill 6" Diameter Core In 8" Concrete Manhole.....	463.85	
02 41 19 13-0214	EA	Drill 8" Diameter Core In 8" Concrete Manhole.....	662.49	
02 41 19 13-0215	EA	Drill 2" Diameter Core In Fiberglass Manhole.....	30.84	
02 41 19 13-0216	EA	Drill 3" Diameter Core In Fiberglass Manhole.....	35.60	
02 41 19 13-0217	EA	Drill 4" Diameter Core In Fiberglass Manhole.....	38.57	
02 41 19 13-0218	EA	Drill 5" Diameter Core In Fiberglass Manhole.....	42.08	
02 41 19 13-0219	EA	Drill 6" Diameter Core In Fiberglass Manhole.....	46.29	
02 41 19 13-0220	EA	Drill 8" Diameter Core In Fiberglass Manhole.....	51.44	
02 41 19 13-0221 Drilling In Concrete Per Inch Of Depth (02 41 19 13-0024)				
Note: Includes layout.				
02 41 19 13-0222	IN	1/4" Diameter Drilling In Concrete Per Inch Of Depth.....	2.17	
02 41 19 13-0223	IN	5/16" Diameter Drilling In Concrete Per Inch Of Depth.....	2.30	
02 41 19 13-0224	IN	3/8" Diameter Drilling In Concrete Per Inch Of Depth.....	2.42	
02 41 19 13-0225	IN	1/2" Diameter Drilling In Concrete Per Inch Of Depth.....	2.60	
02 41 19 13-0226	IN	5/8" Diameter Drilling In Concrete Per Inch Of Depth.....	2.76	
02 41 19 13-0227	IN	3/4" Diameter Drilling In Concrete Per Inch Of Depth.....	3.04	
02 41 19 13-0228	IN	7/8" Diameter Drilling In Concrete Per Inch Of Depth.....	3.29	
02 41 19 13-0229	IN	1" Diameter Drilling In Concrete Per Inch Of Depth.....	3.45	
02 41 19 13-0230	IN	1-1/8" Diameter Drilling In Concrete Per Inch Of Depth.....	4.08	
02 41 19 13-0231	IN	1-1/4" Diameter Drilling In Concrete Per Inch Of Depth.....	3.82	
02 41 19 13-0232	IN	1-3/8" Diameter Drilling In Concrete Per Inch Of Depth.....	4.08	
02 41 19 13-0233	IN	1-1/2" Diameter Drilling In Concrete Per Inch Of Depth.....	4.32	
02 41 19 13-0234	IN	1-3/4" Diameter Drilling In Concrete Per Inch Of Depth.....	4.79	
02 41 19 13-0235	IN	2" Diameter Drilling In Concrete Per Inch Of Depth.....	5.57	
02 41 19 13-0236 Drilling In Brick/Concrete Block Per Inch Of Depth (02 41 19 13-0024)				
Note: Includes layout.				
02 41 19 13-0237	IN	1/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	1.81	
02 41 19 13-0238	IN	5/16" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	1.91	
02 41 19 13-0239	IN	3/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	2.02	
02 41 19 13-0240	IN	1/2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	2.17	
02 41 19 13-0241	IN	5/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	2.30	
02 41 19 13-0242	IN	3/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	2.54	
02 41 19 13-0243	IN	7/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	2.74	
02 41 19 13-0244	IN	1" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	2.87	
02 41 19 13-0245	IN	1-1/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	3.04	
02 41 19 13-0246	IN	1-1/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	3.18	
02 41 19 13-0247	IN	1-3/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	3.40	
02 41 19 13-0248	IN	1-1/2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	3.60	
02 41 19 13-0249	IN	1-3/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	4.02	
02 41 19 13-0250	IN	2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	4.64	
02 41 19 13-0251 Drilling In Wood Or Plastic Per Inch Of Depth (02 41 19 13-0024)				
Note: Includes layout.				
02 41 19 13-0252	IN	1/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	0.90	
02 41 19 13-0253	IN	5/16" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	0.95	
02 41 19 13-0254	IN	3/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.01	
02 41 19 13-0255	IN	1/2" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.08	
02 41 19 13-0256	IN	5/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.15	
02 41 19 13-0257	IN	3/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.26	
02 41 19 13-0258	IN	7/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.37	

02 Existing Conditions**02 40 Demolition and Structure Moving****02 41 Demolition**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 41 19 13-0259	IN	1" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.44
02 41 19 13-0260	IN	1-1/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.51
02 41 19 13-0261	IN	1-1/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.58
02 41 19 13-0262	IN	1-3/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.68
02 41 19 13-0263	IN	1-1/2" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.80
02 41 19 13-0264	IN	1-3/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	2.00
02 41 19 13-0265	IN	2" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	2.31

02 41 19 13-0266 Drilling In Drywall Or Plaster Per Inch Of Depth (02 41 19 13-0024)

Note: Includes layout, high efficiency particulate air (HEPA) vacuum and protection.

02 41 19 13-0267	IN	1/4" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth.....	0.90
02 41 19 13-0268	IN	5/16" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth.....	0.95
02 41 19 13-0269	IN	3/8" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth.....	1.01
02 41 19 13-0270	IN	1/2" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth.....	1.08
02 41 19 13-0271	IN	5/8" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth.....	1.15
02 41 19 13-0272	IN	3/4" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth.....	1.26
02 41 19 13-0273	IN	7/8" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth.....	1.37
02 41 19 13-0274	IN	1" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth.....	1.44
02 41 19 13-0275	IN	1-1/8" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth.....	1.51
02 41 19 13-0276	IN	1-1/4" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth.....	1.58
02 41 19 13-0277	IN	1-3/8" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth.....	1.68
02 41 19 13-0278	IN	1-1/2" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth.....	1.80
02 41 19 13-0279	IN	1-3/4" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth.....	2.00
02 41 19 13-0280	IN	2" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth.....	2.31
02 41 19 13-0281	IN	Drill 3" Diameter Core In Wood Or Plastic Per Inch Of Depth.....	3.05
02 41 19 13-0282	IN	Drill 4" Diameter Core In Wood Or Plastic Per Inch Of Depth.....	3.85
02 41 19 13-0283	IN	Drill 5" Diameter Core In Wood Or Plastic Per Inch Of Depth.....	4.34
02 41 19 13-0284	IN	Drill 6" Diameter Core In Wood Or Plastic Per Inch Of Depth.....	4.84

02 41 19 13-0285 Limestone Core Drilling (02 41 19 13-0024)**02 41 19 13-0286 10" To 14" Thick Limestone Core Drilling** (02 41 19 13-0285)

02 41 19 13-0287	EA	Drill 1" Diameter Core In 10" To 14" Limestone.....	66.58
02 41 19 13-0288	EA	Drill 1-1/2" Diameter Core In 10" To 14" Limestone.....	79.96
02 41 19 13-0289	EA	Drill 2" Diameter Core In 10" To 14" Limestone.....	86.74
02 41 19 13-0290	EA	Drill 3" Diameter Core In 10" To 14" Limestone.....	100.32
02 41 19 13-0291	EA	Drill 4" Diameter Core In 10" To 14" Limestone.....	113.92
02 41 19 13-0292	EA	Drill 6" Diameter Core In 10" To 14" Limestone.....	160.53
02 41 19 13-0293	EA	Drill 8" Diameter Core In 10" To 14" Limestone.....	266.86

02 41 19 13-0294 15" To 18" Thick Limestone Core Drilling (02 41 19 13-0285)

02 41 19 13-0295	EA	Drill 1" Diameter Core In 15" To 18" Limestone.....	73.31
02 41 19 13-0296	EA	Drill 1-1/2" Diameter Core In 15" To 18" Limestone.....	86.72
02 41 19 13-0297	EA	Drill 2" Diameter Core In 15" To 18" Limestone.....	93.55
02 41 19 13-0298	EA	Drill 3" Diameter Core In 15" To 18" Limestone.....	100.62
02 41 19 13-0299	EA	Drill 4" Diameter Core In 15" To 18" Limestone.....	134.10
02 41 19 13-0300	EA	Drill 6" Diameter Core In 15" To 18" Limestone.....	174.16
02 41 19 13-0301	EA	Drill 8" Diameter Core In 15" To 18" Limestone.....	280.78

02 41 19 13-0302 19" To 24" Thick Limestone Core Drilling (02 41 19 13-0285)

02 41 19 13-0303	EA	Drill 1" Diameter Core In 19" To 24" Limestone.....	80.02
02 41 19 13-0304	EA	Drill 1-1/2" Diameter Core In 19" To 24" Limestone.....	93.47
02 41 19 13-0305	EA	Drill 2" Diameter Core In 19" To 24" Limestone.....	100.34
02 41 19 13-0306	EA	Drill 3" Diameter Core In 19" To 24" Limestone.....	114.05
02 41 19 13-0307	EA	Drill 4" Diameter Core In 19" To 24" Limestone.....	160.82
02 41 19 13-0308	EA	Drill 6" Diameter Core In 19" To 24" Limestone.....	200.97
02 41 19 13-0309	EA	Drill 8" Diameter Core In 19" To 24" Limestone.....	301.30

02 41 19 13-0310 Minimum Charge For Core Drilling (02 41 19 13-0024)

02 41 19 13-0311	EA	Core Drill Minimum Charge.....	910.53
Note: For projects where the total core drilling charge is less than the minimum charge, use task "Minimum Charge For Core Drilling" exclusively. Task "Minimum Charge For Core Drilling" should not be used in conjunction with any other tasks in this section. Does not apply to sections "Drilling In Concrete Per Inch Of Depth" or "Drilling In Brick Or Block Per Inch Of Depth" or "Drilling In Wood Or Plastic Per Inch Of Depth".			

02 41 19 13-0312 Cutouts (02 41 19 13)

Note: Includes saw cutting and removal of material. Not to be used for openings greater than 24 SF.

02 41 19 13-0313 Reinforced Concrete Slab On Grade Cutouts (02 41 19 13-0312)

02 41 19 13-0314	SF	4" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF.....	50.71
02 41 19 13-0315	SF	6" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF.....	53.79
02 41 19 13-0316	SF	8" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF.....	56.86
02 41 19 13-0317	SF	10" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF.....	59.93
02 41 19 13-0318	SF	12" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF.....	61.47

02 41 19 13-0319 Reinforced Concrete Elevated Slab Cutouts (02 41 19 13-0312)

Note: Includes cutting and removing steel decking.

02 41 19 13-0320	SF	4" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF.....	61.80
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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0321	SF	6" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	65.55	
02 41 19 13-0322	SF	8" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	69.30	
02 41 19 13-0323	SF	10" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	73.04	
02 41 19 13-0324	SF	12" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	74.92	
02 41 19 13-0325 Reinforced Concrete Wall Cutouts (02 41 19 13-0312)				
02 41 19 13-0326	SF	4" Thick Reinforced Concrete Wall Cutouts, <24 SF	63.39	
02 41 19 13-0327	SF	6" Thick Reinforced Concrete Wall Cutouts, <24 SF	67.23	
02 41 19 13-0328	SF	8" Thick Reinforced Concrete Wall Cutouts, <24 SF	71.07	
02 41 19 13-0329	SF	10" Thick Reinforced Concrete Wall Cutouts, <24 SF	74.92	
02 41 19 13-0330	SF	12" Thick Reinforced Concrete Wall Cutouts, <24 SF	76.84	
02 41 19 13-0331 Brick Wall Cutouts (02 41 19 13-0312)				
Note: Excludes toothing.				
02 41 19 13-0332	SF	4" Thick Brick Wall Cutouts, <24 SF	19.20	
02 41 19 13-0333	SF	6" Thick Brick Wall Cutouts, <24 SF	31.70	
02 41 19 13-0334	SF	8" Thick Brick Wall Cutouts, <24 SF	44.13	
02 41 19 13-0335	SF	10" Thick Brick Wall Cutouts, <24 SF	53.79	
02 41 19 13-0336	SF	12" Thick Brick Wall Cutouts, <24 SF	64.35	
02 41 19 13-0337	SF	16" Thick Brick Wall Cutouts, <24 SF	75.87	
02 41 19 13-0338 Concrete Block Wall Cutouts (02 41 19 13-0312)				
Note: Excludes toothing.				
02 41 19 13-0339	SF	4" Thick Concrete Block Wall Cutouts, <24 SF	31.77	
02 41 19 13-0340	SF	6" Thick Concrete Block Wall Cutouts, <24 SF	33.65	
02 41 19 13-0341	SF	8" Thick Concrete Block Wall Cutouts, <24 SF	35.54	
02 41 19 13-0342	SF	10" Thick Concrete Block Wall Cutouts, <24 SF	37.45	
02 41 19 13-0343	SF	12" Thick Concrete Block Wall Cutouts, <24 SF	38.42	
02 41 19 13-0344	SF	16" Thick Concrete Block Wall Cutouts, <24 SF	40.34	
02 41 19 13-0345 Limestone Cutouts (02 41 19 13-0312)				
02 41 19 13-0346	SF	2" Thick Limestone Cutouts, <24 SF	53.79	
02 41 19 13-0347	SF	4" Thick Limestone Cutouts, <24 SF	65.31	
02 41 19 13-0348	SF	6" Thick Limestone Cutouts, <24 SF	69.15	
02 41 19 13-0349	SF	8" Thick Limestone Cutouts, <24 SF	72.99	
02 41 19 13-0350	SF	10" Thick Limestone Cutouts, <24 SF	76.84	
02 41 19 13-0351	SF	12" Thick Limestone Cutouts, <24 SF	80.67	
02 41 19 13-0352 Toothing Masonry Cutouts (02 41 19 13-0312)				
Note: For use where existing masonry must be removed in a toothing pattern along horizontal and vertical mortar joints. VLF measurement includes all horizontal cutting.				
02 41 19 13-0353	VLF	Brick, Soft Old Mortar, Toothing Masonry Cutouts	19.20	
02 41 19 13-0354	VLF	Brick, Hard Mortar, Toothing Masonry Cutouts	25.93	
02 41 19 13-0355	VLF	Concrete Block, Soft Old Mortar, Toothing Masonry Cutouts	11.52	
02 41 19 13-0356	VLF	Concrete Block, Hard Mortar, Toothing Masonry Cutouts	15.37	
02 41 19 13-0357 Minimum Charge For Cutouts (02 41 19 13-0312)				
Note: For projects where the total cutouts charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.				
02 41 19 13-0358	EA	Cutouts Minimum Charge	384.17	
02 41 19 13-0359 Exterior Masonry Removal (02 41 19 13 13)				
02 41 19 13-0360 Masonry Columns Removal (Interior And Exterior) (02 41 19 13-0359)				
02 41 19 13-0361	VLF	8" x 8" Masonry Column Removal	15.07	
02 41 19 13-0362	VLF	10" x 10" Masonry Column Removal	23.55	
02 41 19 13-0363	VLF	12" x 12" Masonry Column Removal	30.18	
02 41 19 13-0364	VLF	14" x 14" Masonry Column Removal	37.78	
02 41 19 13-0365	VLF	16" x 16" Masonry Column Removal	46.41	
02 41 19 13-0366	CF	Masonry Column Removal, Per CF Of Masonry Removed; For Other Sizes Over 16" Square	26.06	
02 41 19 13-0367 Masonry Chimney Removal (02 41 19 13-0359)				
02 41 19 13-0368	CF	Up To 3 CF/VLF Chimney Removal, Per CF Of Masonry Removed	30.58	
02 41 19 13-0369	CF	>3 To 10 CF/VLF Chimney Removal, Per CF Of Masonry Removed	22.96	
02 41 19 13-0370	CF	>10 To 20 CF/VLF Chimney Removal, Per CF Of Masonry Removed	17.57	
02 41 19 13-0371	CF	>20 CF/VLF Chimney Removal, Per CF Of Masonry Removed	12.17	
02 41 19 13-0372 Remove And Reset Precast, Stone Or Masonry Coping (02 41 19 13-0359)				
Note: Includes removing, cleaning, and resetting coping with new ties and mortar. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.				
02 41 19 13-0373	LF	Up To 8" Wide, Remove And Reset Precast, Stone Or Masonry Coping	21.40	
02 41 19 13-0374	LF	>8" To 12" Wide, Remove And Reset Precast, Stone Or Masonry Coping	32.01	
02 41 19 13-0375	LF	>12" To 24" Wide, Remove And Reset Precast, Stone Or Masonry Coping	61.20	

02 Existing Conditions**02 40 Demolition and Structure Moving****02 41 Demolition**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 41 19 13-0376		Facade Removal (02 41 19 13-0359)	
		Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.	
02 41 19 13-0377	SF	Stone Or Brick Veneer Facade Removal.....	5.74
		For Cleaning and Storage For Reuse, Add	8.61
		For Reinforcing, Add	0.86
02 41 19 13-0378		Exterior Masonry Removal (02 41 19 13-0359)	
		Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Salvage modifier includes removing mortar, scraping, cleaning, placement on pallets and storage on site. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.	
02 41 19 13-0379	SF	Demolish 4" Thick Non-Reinforced Concrete Block Exterior Wall.....	5.05
02 41 19 13-0380	SF	Demolish 6" Thick Non-Reinforced Concrete Block Exterior Wall.....	5.69
02 41 19 13-0381	SF	Demolish 8" Thick Non-Reinforced Concrete Block Exterior Wall.....	6.89
02 41 19 13-0382	SF	Demolish 10" Thick Non-Reinforced Concrete Block Exterior Wall.....	7.53
02 41 19 13-0383	SF	Demolish 12" Thick Non-Reinforced Concrete Block Exterior Wall.....	8.27
02 41 19 13-0384	SF	Demolish 16" Thick Non-Reinforced Concrete Block Exterior Wall.....	10.34
02 41 19 13-0385	SF	Demolish 4" Thick Reinforced Concrete Block Exterior Wall.....	5.97
02 41 19 13-0386	SF	Demolish 6" Thick Reinforced Concrete Block Exterior Wall.....	6.83
02 41 19 13-0387	SF	Demolish 8" Thick Reinforced Concrete Block Exterior Wall.....	8.27
02 41 19 13-0388	SF	Demolish 10" Thick Reinforced Concrete Block Exterior Wall.....	9.04
02 41 19 13-0389	SF	Demolish 12" Thick Reinforced Concrete Block Exterior Wall.....	9.92
02 41 19 13-0390	SF	Demolish 16" Thick Reinforced Concrete Block Exterior Wall.....	12.40
02 41 19 13-0391	SF	Demolish 4" Thick Brick Exterior Wall.....	5.05
		For Cleaning and Storage For Reuse, Add	7.58
02 41 19 13-0392	SF	Demolish 6" Thick Brick Exterior Wall.....	5.69
		For Cleaning and Storage For Reuse, Add	8.54
02 41 19 13-0393	SF	Demolish 8" Thick Brick Exterior Wall.....	6.89
		For Cleaning and Storage For Reuse, Add	10.34
02 41 19 13-0394	SF	Demolish 10" Thick Brick Exterior Wall.....	7.53
		For Cleaning and Storage For Reuse, Add	11.30
02 41 19 13-0395	SF	Demolish 12" Thick Brick Exterior Wall.....	8.27
		For Cleaning and Storage For Reuse, Add	12.41
02 41 19 13-0396	SF	Demolish 16" Thick Brick Exterior Wall.....	10.34
		For Cleaning and Storage For Reuse, Add	15.51
02 41 19 13-0397	CF	Exterior Brick, Concrete Block Or Composite Removal.....	14.69
		For Cleaning and Storage For Reuse, Add	22.04
		For Reinforcing, Add	2.20
02 41 19 13-0398		Lintel Removal (02 41 19 13-0359)	
		Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.	
02 41 19 13-0399	LF	Demolish Steel Lintel.....	14.36
02 41 19 13-0400	LF	Demolish Concrete Or Stone Lintel.....	19.15
02 41 19 13-0401	LF	Demolish Steel Shelf Angle.....	15.16
02 41 19 13-0402		Reinstall Lintel (02 41 19 13-0359)	
		Note: Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.	
02 41 19 13-0403	LF	Clean, Prime And Paint Steel Shelf Angle Or Lintel.....	7.95
02 41 19 13-0404	LF	Reinstall Existing Concrete Or Stone Lintel.....	19.15
02 41 19 13-0405	LF	Reinstall Existing Steel Shelf Angle.....	53.12
		Note: Includes fasteners.	
02 41 19 13-0406	LF	Reinstall Existing Steel Lintel.....	21.28
02 41 19 13-0407	LF	Removal And Replacement Of Steel Shelf Angle Over Window Openings At Cavity Walls.....	88.61
02 41 19 13-0408	LF	Removal And Replacement Of Steel Lintel Over Window Openings.....	159.80
02 41 19 13-0409		Exterior Concrete Wall Removal (02 41 19 13)	
02 41 19 13-0410	SF	Demolish 4" Thick Reinforced Concrete Exterior Wall.....	6.91
02 41 19 13-0411	SF	Demolish 6" Thick Reinforced Concrete Exterior Wall.....	12.53
02 41 19 13-0412	SF	Demolish 8" Thick Reinforced Concrete Exterior Wall.....	15.75
02 41 19 13-0413	SF	Demolish 10" Thick Reinforced Concrete Exterior Wall.....	18.59
02 41 19 13-0414	SF	Demolish 12" Thick Reinforced Concrete Exterior Wall.....	21.97
02 41 19 13-0415		Elevated Concrete Removal (02 41 19 13)	
02 41 19 13-0416	CF	Elevated Concrete Beam/Slab/Steps Removal, Reinforced.....	12.87
02 41 19 16		Selective Interior Demolition (02 41 19)	
		Note: Includes HEPA vacuum for dust control, break-up of material, loading into truck or dumpster and clean-up. Excludes temporary plastic barrier See CSI section 01 56 16 00-0000 for temporary dust barrier.	
02 41 19 16-0001		Floor Removal (02 41 19 16)	
02 41 19 16-0002		Scarify Concrete (02 41 19 16-0001)	
		Note: Up to 1/4" removal per pass.	
02 41 19 16-0003	SF	Scarify Concrete Floor.....	0.32
02 41 19 16-0004	SF	Scarify Concrete Tread And Riser.....	2.72
02 41 19 16-0005	SF	Scarify Concrete Wall.....	2.47

			Existing Conditions	02
			Demolition and Structure Moving	02 40
			Demolition	02 41
MINOR	CSI	UOM	TOTAL DIRECT	DEMOLITION
		DESCRIPTION	UNIT COST	UNIT COST

02 41 19 16-0006		Concrete Floor Curb At Shower (02 41 19 16-0001)		
		Note: Includes two saw cuts and removal of shower curb at entrance to shower.		
02 41 19 16-0007	LF	Concrete Shower Curb Removal		45.30
02 41 19 16-0008		Fireproofing Removal (02 41 19 16)		
02 41 19 16-0009	SF	Removal Of Fireproofing From Concrete Or Steel		1.28
02 41 19 16-0010		Demolish Ceiling (02 41 19 16)		
02 41 19 16-0011	SF	Demolish Drywall Ceiling		0.98
02 41 19 16-0012	SF	Demolish Furred Plastered Ceiling		2.30
02 41 19 16-0013	SF	Demolish Suspended Plastered Ceiling And Suspension System		1.76
02 41 19 16-0014		Demolish Concrete Stair (02 41 19 16)		
02 41 19 16-0015	CF	Demolish Interior Reinforced Concrete Stairs		8.27
02 41 19 16-0016	CF	Demolish Exterior Reinforced Concrete Stairs		7.21
02 41 19 16-0017		Demolish Interior Partition/Wall (02 41 19 16)		
		Note: Price includes knock down, loading, clean-up.		
02 41 19 16-0018		Demolish Masonry And Concrete Interior Partition/Walls (02 41 19 16-0017)		
		Note: Includes saw cutting, knock down, loading and clean-up.		
02 41 19 16-0019		Demolish Concrete Block Interior Partition/Walls (02 41 19 16-0018)		
02 41 19 16-0020	SF	Demolish 4" Thick Non-Reinforced Concrete Block Interior Partition/Wall		5.35
02 41 19 16-0021	SF	Demolish 6" Thick Non-Reinforced Concrete Block Interior Partition/Wall		5.72
02 41 19 16-0022	SF	Demolish 8" Thick Non-Reinforced Concrete Block Interior Partition/Wall		6.45
02 41 19 16-0023	SF	Demolish 12" Thick Non-Reinforced Concrete Block Interior Partition/Wall		8.28
02 41 19 16-0024	SF	Demolish 16" Thick Non-Reinforced Concrete Block Interior Partition/Wall		10.34
02 41 19 16-0025	SF	Demolish 4" Thick Reinforced Concrete Block Interior Partition/Wall		6.43
02 41 19 16-0026	SF	Demolish 6" Thick Reinforced Concrete Block Interior Partition/Wall		6.86
02 41 19 16-0027	SF	Demolish 8" Thick Reinforced Concrete Block Interior Partition/Wall		7.74
02 41 19 16-0028	SF	Demolish 12" Thick Reinforced Concrete Block Interior Partition/Wall		9.93
02 41 19 16-0029	SF	Demolish 16" Thick Reinforced Concrete Block Interior Partition/Wall		12.41
02 41 19 16-0030		Demolish Brick Interior Partition/Walls (02 41 19 16-0018)		
02 41 19 16-0031	SF	Demolish 4" Thick Brick Interior Partition/Wall		5.35
02 41 19 16-0032	SF	Demolish 8" Thick Brick Interior Partition/Wall		6.45
02 41 19 16-0033	SF	Demolish 12" Thick Brick Interior Partition/Wall		8.27
02 41 19 16-0034	SF	Demolish 16" Thick Brick Interior Partition/Wall		10.34
02 41 19 16-0035		Demolish Glass Block Interior Partition/Walls (02 41 19 16-0018)		
02 41 19 16-0036	SF	Demolish Glass Block Interior Partition/Walls		4.59
02 41 19 16-0037		Demolish Concrete Interior Partition/Walls (02 41 19 16-0018)		
		See CSI section 02 41 16 13-0024 for concrete foundation demolition.		
02 41 19 16-0038	SF	Demolish 6" Thick Non-Reinforced Concrete Interior Partition/Wall		9.73
02 41 19 16-0039	SF	Demolish 8" Thick Non-Reinforced Concrete Interior Partition/Wall		12.17
02 41 19 16-0040	SF	Demolish 12" Thick Non-Reinforced Concrete Interior Partition/Wall		17.03
02 41 19 16-0041	SF	Demolish 6" Thick Reinforced Concrete Interior Partition/Wall		11.67
02 41 19 16-0042	SF	Demolish 8" Thick Reinforced Concrete Interior Partition/Wall		14.69
02 41 19 16-0043	SF	Demolish 12" Thick Reinforced Concrete Interior Partition/Wall		20.43
02 41 19 16-0044		Demolish Terra-Cotta Block Interior Partition/Walls (02 41 19 16-0018)		
02 41 19 16-0045	SF	Demolish Up To 6" Thick Terra-Cotta Block Interior Partition/Wall Finished With Plaster		1.84
02 41 19 16-0046		Demolish Stud Framed Interior Partition/Walls (02 41 19 16-0017)		
		Note: Includes knock down, loading and clean-up. Includes demo of insulation if required.		
02 41 19 16-0047	SF	Demolish Wood Or Metal Framed Interior Partition/Wall With Drywall 1 Side		3.25
		For Heights >14' To 20', Add		0.49
		For Heights >20', Add		0.65
02 41 19 16-0048	SF	Demolish Wood Or Metal Framed Interior Partition/Wall With Drywall 2 Sides		3.78
		For Heights >14' To 20', Add		0.57
		For Heights >20', Add		0.76
02 41 19 16-0049	SF	Demolish Wood Or Metal Framed Interior Partition/Wall With Plaster And Lath 1 Side		4.15
		For Heights >14' To 20', Add		0.62
		For Heights >20', Add		0.83
02 41 19 16-0050	SF	Demolish Wood Or Metal Framed Interior Partition/Wall With Plaster And Lath 2 Sides		5.77
		For Heights >14' To 20', Add		0.87
		For Heights >20', Add		1.15
02 41 19 16-0051	SF	Demolish Plaster And Lath From 1 Side Of An Interior Partition/Wall		1.71
		For Heights >14' To 20', Add		0.26
		For Heights >20', Add		0.34
02 41 19 16-0052	SF	Demolish Plaster And Lath From 2 Sides Of An Interior Partition/Wall		2.04
		For Heights >14' To 20', Add		0.31
		For Heights >20', Add		0.41

02 Existing Conditions**02 40 Demolition and Structure Moving****02 41 Demolition**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
02 42 Removal and Salvage of Construction Materials (02 40)**02 42 21 Salvage of Construction Materials** (02 42)

Note: Includes placement on pallets and storage on site.

02 42 21 35 Roofing Salvage (02 42 21)**02 42 21 35-0001 Clay Tile Roofing Remove And Salvage For Re-use** (02 42 21 35)

Note: Includes removing mortar, scraping, cleaning, placement on pallets and storage on site.

02 42 21 35-0002 SQ Removal Of Clay Roof Tile, Salvage For Re-use.....298.82

02 42 21 47 Flooring Salvage (02 42 21)**02 42 21 47-0001 Flooring Remove And Salvage For Re-Use** (02 42 21 47)

Note: Includes removing mortar, scraping, cleaning, placement on pallets and storage on site.

 02 42 21 47-0002 SF Removal Of Brick Flooring And Salvage.....2.72
 02 42 21 47-0003 SF Removal Of Ceramic/Quarry Tile Floor And Salvage2.72
 02 42 21 47-0004 SF Removal Of Terrazzo Flooring And Salvage.....3.76
 02 42 21 47-0005 SF Removal Of Wood Strip Flooring And Salvage.....2.20
 02 42 21 47-0006 SF Removal Of Wood Parquet Flooring And Salvage.....1.16
 02 42 21 47-0007 SF Removal Of Resilient/Linoleum Flooring And Salvage0.83
02 43 Structure Moving (02 40)**02 43 13 Structure Relocation** (02 43)

Note: Includes disconnection of utilities, moving of structure, one day move (excludes travel expenses and lodging), up to 24' wide. Reset on new foundations and hook up to utilities.

02 43 13 13 Building Relocation (02 43 13)**02 43 13 13-0001 Move Relocatable Structures (Trailer, Mobile Facilities, etc.), Complete** (02 43 13)

Note: Includes disconnect portable from foundation, separate relocatable unit and attachments as needed for transport, secure all relocatable attachments (awnings, steps, ramps, railing, etc.) for transport, transport relocatable and attachments to new location, including permits and police escort, connect to foundation per approved specifications/details, including welding and/or hurricane anchoring as needed.

 02 43 13 13-0002 SF Up To 800 SF, Move Relocatable Metal Frame Building.....36.54
 02 43 13 13-0003 SF >800 To 920 SF, Move Relocatable Metal Frame Building.....34.53
 02 43 13 13-0004 SF >920 SF, Move Relocatable Metal Frame Building.....32.32
 02 43 13 13-0005 SF Up To 800 SF, Move Relocatable Wood Frame Building.....29.31
 02 43 13 13-0006 SF >800 To 920 SF, Move Relocatable Wood Frame Building.....27.40
 02 43 13 13-0007 SF >920 SF, Move Relocatable Wood Frame Building.....24.24
 02 43 13 13-0008 SF Up To 800 SF, Move Relocatable Wood/Metal Frame Building.....35.51
 02 43 13 13-0009 SF >800 To 920 SF, Move Relocatable Wood/Metal Frame Building32.32
 02 43 13 13-0010 SF >920 SF, Move Relocatable Wood/Metal Frame Building27.40
02 50 Site Remediation (02)**02 58 Snow Control** (02 50)**02 58 13 Snow Fencing** (02 58)**02 58 13 00-0001 Snow/Sand Fence On Steel Posts** (02 58 13)

02 58 13 00-0002 LF Steel Fence Post, 10' On Center With 4' Wood Snow/Sand Fence7.92 2.16

02 60 Contaminated Site Material Removal (02)**02 61 Removal and Disposal of Contaminated Soils** (02 60)**02 61 13 Excavation and Handling of Contaminated Material** (02 61)

See CSI section 31 23 16 00-0000 for excavation.

02 61 13 00-0001 Excavate Petroleum Contaminated Soil (02 61 13)
 02 61 13 00-0002 CY Excavate Petroleum Contaminated Soil.....14.13
 Note: Includes excavation, making a determination if the soil is reusable or contaminated, and stockpiling as per determination.
 02 61 13 00-0003 CY Load Excavated Petroleum Contaminated Soil.....8.14
 02 61 13 00-0004 CY Disposal Fees Of Petroleum Contaminated Soil.....192.20
02 61 13 00-0005 Accessories For Contaminated Soil Stockpile (02 61 13)

See CSI section 31 25 14 23-0001 for sand bags.

 02 61 13 00-0006 SF 30 Mil Liner For Contaminated Soil Storage1.55
 Note: 9.93 SF of liner per 1 ton of petroleum contaminated soil.
 02 61 13 00-0007 SF 10 Mil Liner For Contaminated Soil Storage0.91
 Note: 9.93 SF of liner per 1 ton of petroleum contaminated soil.
02 61 26 Removal and Disposal of Asbestos Contaminated Soils (02 61)

Note: Includes materials, equipment, mobilization, preparation, signage, removal, transportation for up to 25 miles, disposal of waste at transfer facility or final destination, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete abatement and disposal of the ACM in accordance with EPA, OSHA, and local regulations. Where types of ACM are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in

Existing Conditions			02
Contaminated Site Material Removal			02 60
Removal and Disposal of Contaminated Soils			02 61
MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	02

determining which task applies. For certain types of work, there is a task with a unit of measure of CF for a quantity of less than 10 CF, followed by a series of tasks for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project.

02 61 26 00-0001	Removal and Disposal of Asbestos Contaminated Soils (02 61 26)		
	Note: Includes materials, equipment, mobilization, preparation, signage, removal, transportation for up to 25 miles, disposal of waste at transfer facility or final destination, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete abatement and disposal of the ACM in accordance with EPA, OSHA, and local regulations. Where types of ACM are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. For certain types of work, there is a task with a unit of measure of CF for a quantity of less than 10 CF, followed by a series of tasks for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project.		
02 61 26 00-0002	EA	Up To 10 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	1,206.04
		For Work In Restricted Working Space, Add	361.81
02 61 26 00-0003	CF	>10 To 100 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	79.95
		For Work In Restricted Working Space, Add	23.99
02 61 26 00-0004	CF	>100 To 250 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	53.30
		For Work In Restricted Working Space, Add	15.99
02 61 26 00-0005	CF	>250 To 500 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	40.03
		For Work In Restricted Working Space, Add	12.01
02 61 26 00-0006	CF	>500 To 2,500 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	31.98
		For Work In Restricted Working Space, Add	9.59
02 61 26 00-0007	CF	>2,500 To 10,000 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	27.19
		For Work In Restricted Working Space, Add	8.16
02 61 26 00-0008	CF	>10,000 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	24.46
		For Work In Restricted Working Space, Add	7.34

02 65 Underground Storage Tank Removal (02 60)

Note: Petroleum gasoline is classified as a hazardous material; fuel oil is considered a non-hazardous material. See CSI section 01 74 19 00-0045 for hauling, 31 20 00 00-0000 for non-contaminated soil excavation, 31 23 16 00-0000 for excavation, 31 41 00 00-0000 for shoring.

02 65 00 00-0001	Monitoring, Sampling, Testing And Analysis (02 65)		
02 65 00 00-0002	Field Samples For Testing Underground Storage Tank (02 65 00 00-0001)		
02 65 00 00-0003	EA	Collection Of Sludge Sample For Underground Storage Tank	23.07
02 65 00 00-0004	EA	Collection Of Pumpable Liquids Sample For Underground Storage Tank	23.07
02 65 00 00-0005	EA	Collection Of Contaminated Soil Sample	23.07
02 65 00 00-0006	Lab Tests For Underground Storage Tank Removal (02 65 00 00-0001)		
	Note: Includes lab test fees, reports, shipping, handling, chain of custody documents and disposal of sample.		
02 65 00 00-0007	EA	Benzene, Toluene, Ethylbenzene, Xylene 8020, Lab Test	208.77
		Note: The cost is for the in-lab test for Benzene, Toluene, Ethylbenzene, And Xylene using procedure 8020 as detailed in EPA SW-846.	
02 65 00 00-0008	EA	Flashpoint, Lab Test	81.19
		Note: The cost is for the in-lab test for the flashpoint using procedure 40CFR 261.21 as detailed in EPA SW-846.	
02 65 00 00-0009	EA	TOX 9020, Lab Test	195.30
		Note: The cost is for the in-lab test for total organic halides using procedure 9020 as detailed in EPA SW-846.	
02 65 00 00-0010	EA	TPH 8015 Modified, Lab Test	208.77
		Note: The cost is for the in-lab test for total petroleum hydrocarbons by gas chromatography using procedure 8015 Mod. as detailed in EPA SW-846.	
02 65 00 00-0011	EA	TRPH 418.1, Lab Test	162.38
		Note: The cost is for the in-lab test for total recoverable petroleum hydrocarbons using procedure 418.1 as detailed in EPA SW-846.	
02 65 00 00-0012	EA	VOC, Lab Test	440.74
		Note: The cost is for the in-lab test for volatile organics using procedure 8240 as detailed in EPA SW-846.	
02 65 00 00-0013	EA	Semi-Volatile Organic, Lab Test	811.90
		Note: The cost is for the in-lab test for semi-volatile organics using procedure 8270 as detailed in EPA SW-846.	
02 65 00 00-0014	EA	Oil And Grease 413.1, Lab Test	97.65
		Note: The cost is for the in-lab test for oil and grease using procedure 413.1 as detailed in EPA SW-846.	
02 65 00 00-0015	EA	TCPL (Extraction) - Metals, Lab Test	173.98
		Note: The cost is for the in-lab test for toxicity characteristics leaching procedures using procedure 1311 as detailed in EPA SW-846.	
02 65 00 00-0016	EA	TCPL (Extraction) - Semi-Volatile Organic, Lab Test	231.97
		Note: The cost is for the in-lab test for toxicity characteristics leaching procedures using procedure 1311 as detailed in EPA SW-846.	
02 65 00 00-0017	EA	Metals 6010 RCRA, Lab Test	259.81
		Note: The cost is for the in-lab test for metals using procedure 6010 RCRA as detailed in EPA SW-846.	
02 65 00 00-0018	EA	Metals (Arsenic) 7060, Lab Test	34.80
		Note: The cost is for the in-lab test for the metal arsenic using procedure 7060 as detailed in EPA SW-846.	
02 65 00 00-0019	EA	Metals (Selenium) 7740, Lab Test	34.80
		Note: The cost is for the in-lab test for the metal selenium (SE) using procedure 7740 as detailed in EPA SW-846.	
02 65 00 00-0020	EA	Metals (Lead) 7421, Lab Test	34.80
		Note: The cost is for the in-lab test for the metal lead using procedure 7421 as detailed in EPA SW-846.	
02 65 00 00-0021	EA	Metals (Mercury) 7470, Lab Test	64.95
		Note: The cost is for the in-lab test for the metal mercury using procedure 7470 as detailed in EPA SW-846.	
02 65 00 00-0022	EA	PNA/PAH 8100, Lab Test	371.15
		Note: The cost is for the in-lab test for polynuclear aromatic hydrocarbons using procedure 8100 as detailed in EPA SW-846.	
02 65 00 00-0023	EA	Fuel Id ASTM D3328-78, Lab Test	134.27
		Note: The cost is for the in-lab test to determine the constituents of fuel using the procedure as detailed in ASTM D3328-78.	
02 65 00 00-0024	EA	pH, Lab Test	27.84
02 65 00 00-0025	EA	Lab Test - Polychlorinated Biphenyl (PCB) In Wastewater	347.96
02 65 00 00-0026	EA	Methyl Tertiary Butyl Ether (MTBE), Lab Test	208.77

02 Existing Conditions**02 60 Contaminated Site Material Removal****02 65 Underground Storage Tank Removal**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

02 65 00 00-0027		Tests, Surveys And Maintenance For Underground Storage Tank (02 65 00 00-0001)	
02 65 00 00-0028	EA	Site Survey For AST/UST Location By Certified Tank Installer.....	1,072.98
		Note: Includes testing Pump output both tank and dispenser, Calibrate pump dispenser if needed, Check all sumps both tank and dispenser, check all fitting connections for leaks and check wiring connection for possible malfunction or safety hazard, check seals on caps for fill tube, check overflow performance for safety shutdown, check all hoses and pump handle, check break-away couplings, complete written report on all data found.	
02 65 00 00-0029	EA	Check Cathodic Protection - Impressed Current Systems And Sacrificial Anode Systems	192.24
		Note: By Certified Technician. Write report of findings for action if needed	
02 65 00 00-0030	EA	Check And Report On Monitor Probes.....	44.19
		Note: By Certified Technician	
02 65 00 00-0031	EA	Tank Monitoring System: Check System Per Manufacturer's Specification By Certified Technician With Written Report.....	306.90
		Note: Including pass / fail; paper feed operational paper installed etc.; and status of inspection repairs needed etc.	
02 65 00 00-0032	EA	Removal And Replacement Of Anode On Impressed System.....	177.98
02 65 00 00-0033	EA	Removal And Replacement Of Power Converter On Impressed System On Underground Storage Tank	255.05
02 65 00 00-0034	EA	Removal And Replacement Of Monitor Probes On Underground Storage Tank	369.93
02 65 00 00-0035	EA	Ultrasonic Test On Underground Storage Tank.....	209.12
02 65 00 00-0036		Tests And Sampling Labor Hours (02 65 00 00-0001)	
02 65 00 00-0037	HR	Certified Tank Installer For Underground Storage Tank	121.36
02 65 00 00-0038	HR	Certified Geologist/Environmentalist.....	114.75
02 65 00 00-0039	HR	Hourly Office Work For Reports Required For EPA On Underground Storage Tank	124.05
		Note: Includes title searches, well survey data, site drawings, submitting preliminary work, etc. Hours not to be used in association with other tasks performed.	
02 65 00 00-0040		Remove Tank Contents (02 65)	
02 65 00 00-0041		Transfer Liquid (02 65 00 00-0040)	
		Note: For use to transfer liquids from one tank to another.	
02 65 00 00-0042	GAL	Transfer Reusable Liquid To Different Tank	0.61
		Note: Per gallon of material transferred.	
02 65 00 00-0043		Remove And Dispose Of Liquid From Tank (02 65 00 00-0040)	
02 65 00 00-0044	GAL	Removal and Disposal Of Hazardous Liquids From Tank	3.27
02 65 00 00-0045	GAL	Removal and Disposal Of Non-Hazardous Liquid From Tank	1.54
02 65 00 00-0046		Remove And Dispose Of Solids Or Sludge (02 65 00 00-0040)	
		Note: Includes scraping and solidifying agent.	
02 65 00 00-0047	GAL	Removal and Disposal Of Hazardous Solids Or Sludge From Tank	8.10
02 65 00 00-0048	GAL	Removal and Disposal Of Non-Hazardous Solids Or Sludge From Tank	2.23
02 65 00 00-0049		Purge Vapors, Open And Clean Tank (02 65)	
02 65 00 00-0050		Purge Vapors (02 65 00 00-0049)	
02 65 00 00-0051	LB	Purge Tank Using Dry Ice.....	5.14
		Note: Approximately 1.5 To 3.0 Lb. of dry ice per 100 Gallons of tank volume.	
02 65 00 00-0052		High Pressure Water Wash And Rinse Of Tank Interior (02 65 00 00-0049)	
		Note: Includes removal and disposal of rinse water.	
02 65 00 00-0053	EA	Up To 275 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	363.30
02 65 00 00-0054	EA	>275 To 550 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	490.41
02 65 00 00-0055	EA	>550 To 1,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	657.18
02 65 00 00-0056	EA	>1,000 To 2,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	936.47
02 65 00 00-0057	EA	>2,000 To 5,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	1,897.13
02 65 00 00-0058	EA	>5,000 To 6,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	2,280.35
02 65 00 00-0059	EA	>6,000 To 8,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	2,697.19
02 65 00 00-0060	EA	>8,000 To 10,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	3,284.10
02 65 00 00-0061	EA	>10,000 To 15,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	4,387.64
02 65 00 00-0062	EA	>15,000 To 20,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	5,272.73
02 65 00 00-0063	EA	>20,000 To 30,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	6,768.92
02 65 00 00-0064	EA	>30,000 To 40,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	8,224.28
02 65 00 00-0065	EA	>40,000 To 50,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	9,864.05
02 65 00 00-0066		Scrape Clean Tank Exterior (02 65 00 00-0049)	
02 65 00 00-0067	EA	Up To 275 Gallon Tank, Scrape Clean Tank Exterior	250.30
02 65 00 00-0068	EA	>275 To 550 Gallon Tank, Scrape Clean Tank Exterior	333.31
02 65 00 00-0069	EA	>550 To 1,000 Gallon Tank, Scrape Clean Tank Exterior	436.75
02 65 00 00-0070	EA	>1,000 To 2,000 Gallon Tank, Scrape Clean Tank Exterior	604.81
02 65 00 00-0071	EA	>2,000 To 5,000 Gallon Tank, Scrape Clean Tank Exterior	1,339.37
02 65 00 00-0072	EA	>5,000 To 6,000 Gallon Tank, Scrape Clean Tank Exterior	1,695.92
02 65 00 00-0073	EA	>6,000 To 8,000 Gallon Tank, Scrape Clean Tank Exterior	1,984.53
02 65 00 00-0074	EA	>8,000 To 10,000 Gallon Tank, Scrape Clean Tank Exterior	2,494.84
02 65 00 00-0075	EA	>10,000 To 15,000 Gallon Tank, Scrape Clean Tank Exterior	3,242.67
02 65 00 00-0076	EA	>15,000 To 20,000 Gallon Tank, Scrape Clean Tank Exterior	4,070.20
02 65 00 00-0077	EA	>20,000 To 30,000 Gallon Tank, Scrape Clean Tank Exterior	5,299.75
02 65 00 00-0078	EA	>30,000 To 40,000 Gallon Tank, Scrape Clean Tank Exterior	6,359.69

02 65 00 00-0079	EA	>40,000 To 50,000 Gallon Tank, Scrape Clean Tank Exterior	7,949.61	
02 65 00 00-0080		Tank And Piping Removal (02 65)		
		Note: Excludes excavation.		
02 65 00 00-0081		Removal And Disposal Of Piping (02 65 00 00-0080)		
		Note: Includes removal, inspection, loading, transporting pipe to disposal facility or transfer station within 15 miles and disposal fees.		
02 65 00 00-0082	LF	Up To 4", Removal And Disposal Of Piping	19.99	
02 65 00 00-0083	LF	>4" To 8", Removal And Disposal Of Piping	26.65	
02 65 00 00-0084		Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement (02 65 00 00-0080)		
		Note: Excludes excavation or backfill.		
02 65 00 00-0085	EA	Up To 275 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	700.27	
02 65 00 00-0086	EA	>275 To 550 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	850.32	
02 65 00 00-0087	EA	>550 To 1,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	1,000.39	
02 65 00 00-0088	EA	>1,000 To 2,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	1,250.49	
02 65 00 00-0089	EA	>2,000 To 5,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	1,750.67	
02 65 00 00-0090	EA	>5,000 To 6,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	2,200.84	
02 65 00 00-0091	EA	>6,000 To 8,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	2,500.96	
02 65 00 00-0092	EA	>8,000 To 10,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	3,001.16	
02 65 00 00-0093	EA	>10,000 To 15,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	4,001.53	
02 65 00 00-0094	EA	>15,000 To 20,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	4,796.96	
02 65 00 00-0095	EA	>20,000 To 30,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	5,621.05	
02 65 00 00-0096	EA	>30,000 To 40,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	6,576.14	
02 65 00 00-0097	EA	>40,000 To 50,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	8,220.17	
02 65 00 00-0098		Cut Tank Into Sections That Can Easily Be Transported And Disposed Of When Necessary (02 65 00 00-0080)		
		Note: Includes 1 lengthwise at every 4' on-center height wise.		
02 65 00 00-0099	EA	>1,000 To 2,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	849.03	
02 65 00 00-0100	EA	>2,000 To 5,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	1,583.33	
02 65 00 00-0101	EA	>5,000 To 6,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	1,904.58	
02 65 00 00-0102	EA	>6,000 To 8,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	2,122.58	
02 65 00 00-0103	EA	>8,000 To 10,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	2,547.09	
02 65 00 00-0104	EA	>10,000 To 15,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	3,166.66	
02 65 00 00-0105	EA	>15,000 To 20,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	3,809.17	
02 65 00 00-0106	EA	>20,000 To 30,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	4,761.46	
02 65 00 00-0107	EA	>30,000 To 40,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	5,951.84	
02 65 00 00-0108	EA	>40,000 To 50,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	7,439.79	
02 65 00 00-0109		Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station (02 65 00 00-0080)		
		Note: Includes disposal fee.		
02 65 00 00-0110	EA	Up To 275 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	493.31	
		For Each Additional Mile >15 Miles, Add	4.59	
02 65 00 00-0111	EA	>275 To 550 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	696.46	
		For Each Additional Mile >15 Miles, Add	5.80	
02 65 00 00-0112	EA	>550 To 1,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	1,122.08	
		For Each Additional Mile >15 Miles, Add	8.70	
02 65 00 00-0113	EA	>1,000 To 2,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	1,954.06	
		For Each Additional Mile >15 Miles, Add	10.15	
02 65 00 00-0114	EA	>2,000 To 5,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	3,450.25	
		For Each Additional Mile >15 Miles, Add	17.89	
02 65 00 00-0115	EA	>5,000 To 6,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	3,508.27	
		For Each Additional Mile >15 Miles, Add	19.34	
02 65 00 00-0116	EA	>6,000 To 8,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	3,604.97	
		For Each Additional Mile >15 Miles, Add	21.76	
02 65 00 00-0117	EA	>8,000 To 10,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	5,391.40	
		For Each Additional Mile >15 Miles, Add	29.01	
02 65 00 00-0118	EA	>10,000 To 15,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	7,158.34	
		For Each Additional Mile >15 Miles, Add	43.52	
02 65 00 00-0119	EA	>15,000 To 20,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	8,538.48	
		For Each Additional Mile >15 Miles, Add	48.35	
02 65 00 00-0120	EA	>20,000 To 30,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	10,679.60	
		For Each Additional Mile >15 Miles, Add	58.02	
02 65 00 00-0121	EA	>30,000 To 40,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	15,684.34	
		For Each Additional Mile >15 Miles, Add	69.62	
02 65 00 00-0122	EA	>40,000 To 50,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	19,197.93	
		For Each Additional Mile >15 Miles, Add	80.07	
02 65 00 00-0123		Other Storage Tank Removals (02 65 00 00-0080)		
02 65 00 00-0124	GAL	Removal Of Cement Lining	0.61	
02 65 00 00-0125	GAL	Sandblast Tank In Prep For Lining Or Welding; Remove Sand, Vacuum Walls And Seams	0.22	
02 65 00 00-0126	GAL	Install Epoxy For Interior Corrosion Protection	1.32	
02 65 00 00-0127		Tank Closure Report (02 65 00 00-0080)		
		Note: Excludes soils tests. See CSI section 02 65 00 00-0006 for soil tests.		
02 65 00 00-0128	EA	Prepare Tank Closure Report	3,128.78	

02 Existing Conditions**02 60 Contaminated Site Material Removal****02 65 Underground Storage Tank Removal**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 65 00 00-0129	Temporary Tanks (02 65)	
02 65 00 00-0130	Temporary Holding Tanks (02 65 00 00-0129)	
02 65 00 00-0131	Above Ground Temporary Holding Tanks, Monthly Rental (02 65 00 00-0130)	
02 65 00 00-0132	MO 550 Gallon, Stainless Steel, DOT Approved, Above Ground Temporary Holding Tanks, Monthly Rental	965.25
02 65 00 00-0133	MO 630 Gallon, Polyethylene, DOT Approved, Above Ground Temporary Holding Tanks, Monthly Rental	965.25
02 65 00 00-0134	MO 630 Gallon, Polyethylene, Stackable, Above Ground Temporary Holding Tanks, Monthly Rental	1,930.49
02 65 00 00-0135	MO 4,000 Gallon, Polyethylene, Stackable, Above Ground Temporary Holding Tanks, Monthly Rental	1,447.87
02 65 00 00-0136	MO 4,000 Gallon, Polyethylene, Trailer Mounted, Above Ground Temporary Holding Tanks, Monthly Rental	3,378.36
02 65 00 00-0137	MO 6,000 Gallon, Polyethylene, Total Drain, Above Ground Temporary Holding Tanks, Monthly Rental.....	2,413.12
02 65 00 00-0138	MO 21,000 Gallon (500 BBL), Steel, Open, Stationary, Above Ground Temporary Holding Tanks, Monthly Rental.....	6,237.02
02 65 00 00-0139	MO 21,000 Gallon (500 BBL), Steel, Closed, Stationary, Above Ground Temporary Holding Tanks, Monthly Rental	7,474.52
02 65 00 00-0140	MO 21,000 Gallon (500 BBL), Steel, Vapor Proof, Above Ground Temporary Holding Tanks, Monthly Rental	12,622.54
02 65 00 00-0141	Secondary Containment Berm (02 65 00 00-0129)	
02 65 00 00-0142	MO Secondary Containment Berm Monthly Rental	2,091.37

02 80 Facility Remediation (02)**02 81 Transportation and Disposal of Hazardous Materials (02 80)**

02 81 00 00-0001	Hazardous Material Disposal (02 81)	
02 81 00 00-0002	EA Non-RCRA (Direct Landfill) Drums, No Stabilization	256.04
02 81 00 00-0003	EA RCRA (Direct Landfill) Drums	511.76
	Note: Excludes stabilization. See CSI section 02 81 00 00-0004 for Stabilization (>5 ppm).	
02 81 00 00-0004	EA Stabilization (>5 ppm)	681.93
02 81 00 00-0005	TON Bulk Hazardous Material Landfill Cost	431.72
02 81 00 00-0006	Equipment Oil Drain And Disposal (02 81)	
02 81 00 00-0007	TRIP Drain Oil Filled Equipment, Place In Approved Container And Transport To Disposal Site	677.78
	Note: Excludes Disposal Cost.	
02 81 00 00-0008	DRM Disposal Of Non-Polychlorinated Biphenyl (PCB) Oil In Normal Landfill, Per Partial Or Full 55-Gallon Drum	106.51
	Note: Excludes draining, placing in approved container, and transporting to disposal site.	
02 81 00 00-0009	DRM Disposal Of Non-Toxic Polychlorinated Biphenyl (PCB) Oil Into A Lined Landfill, Per Partial Or Full 55-Gallon Drum.....	484.12
	Note: Excludes draining, placing in approved container, and transporting to disposal site.	
02 81 00 00-0010	DRM Disposal of Toxic Polychlorinated Biphenyl (PCB) Oil By Incineration, Per Partial Or Full 55-Gallon Drum	871.42
	Note: Excludes draining, placing in approved container, and transporting to disposal site.	
02 81 00 00-0011	CF Hazardous Polychlorinated Biphenyl (PCB) Oil Filled Equipment Disposal At Approved Site	116.24
	Note: Includes handling of equipment and disposal at approved site. Excludes draining of PCB contaminated oil prior to disposal.	

02 82 Asbestos Remediation (02 80)

See CSI section 01 56 16 00-0033 for temporary stud walls, 01 74 19 00-0045 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0008 for plastic sheeting for containment construction, 02 89 00 00-0018 for decontamination chambers.

02 82 13 Asbestos Abatement (02 82)

02 82 13 00-0001	Air Monitoring And Bulk Sampling, Asbestos Testing (02 82 13)	
	Note: Includes packaging of sample for shipping, shipping to testing lab, chain of custody documentation, analysis of sample, lab report, and sample disposal. Polarizing Light Microscope (PLM), Phase Contrast Microscope (PCM), and Transmission Electron Microscope (TEM). Excludes sampling time.	
02 82 13 00-0002	HR Certified Asbestos Air Sampling Technician For Bulk Sampling Or Air Monitoring	97.21
02 82 13 00-0003	EA 48 Hours Or Longer Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing	63.06
02 82 13 00-0004	EA Next Day Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing	73.93
02 82 13 00-0005	EA Same Day Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing	117.42
02 82 13 00-0006	EA 48 Hours Or Longer Turnaround, (Bulk) TEM Test, Asbestos Testing	202.22
02 82 13 00-0007	EA Next Day Turnaround, (Bulk) TEM Test, Asbestos Testing	245.71
02 82 13 00-0008	EA 48 Hours Or Longer Turnaround, (Air) PCM Test, Asbestos Testing.....	50.01
02 82 13 00-0009	EA Next Day Turnaround, (Air) PCM Test, Asbestos Testing.....	60.88
02 82 13 00-0010	EA Same Day Turnaround, (Air) PCM Test, Asbestos Testing.....	82.63
02 82 13 00-0011	EA 48 Hours Or Longer Turnaround, (Air Point Counting) PLM Test	63.06
02 82 13 00-0012	EA Next Day Turnaround, (Air Point Counting) PLM Test.....	73.93
02 82 13 00-0013	EA Same Day Turnaround, (Air Point Counting) PLM Test	117.42
02 82 13 00-0014	EA 48 Hours Or Longer Turnaround, (Air) TEM Test, Asbestos Testing	202.22
02 82 13 00-0015	EA Next Day Turnaround, (Air) TEM Test, Asbestos Testing	232.66
02 82 13 00-0016	EA Same Day Turnaround, (Air) TEM Test, Asbestos Testing	323.99

02 82 16 Engineering Control of Asbestos Containing Materials (02 82)

02 82 16 00-0001	Asbestos Encapsulation (Lock-Down) (02 82 16)	
02 82 16 00-0002	SF Asbestos Encapsulant Spray Adhesive (Lock-Down), Per Coat	1.67
02 82 16 00-0003	SF Asbestos Binding Compound Encapsulant/Sealant, Per Coat Required (Fiberlock® ABC® Asbestos Binding Compound).....	2.30
02 82 16 00-0004	SF Asbestos Fiberspray Encapsulation (Fiberlock® ABC Fiberspray®).....	2.50
02 82 16 00-0005	SF Asbestos Acrylic Encasement/Encapsulation (Fiberlock® Lag-Kote®)	2.70
02 82 16 00-0006	SF Water Activated Repair Cloth Encapsulant (Fiberlock® Lag-Kwik®).....	8.48
02 82 16 00-0007	SF Water Activated Repair Cloth Encapsulant (Fiberlock® Lag-Kloth®)	9.62

02 82 33 Removal and Disposal of Asbestos Containing Materials (02 82)

Note: Includes materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, lockdown encapsulant applied to surfaces, bagging, clean-up, vacuuming, transportation for up to 25 miles, disposal of waste at transfer facility or final destination, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete abatement and disposal of the ACM in accordance with EPA, OSHA, and local regulations. Where types of ACM are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. For certain types of work, there is a task with a unit of measure of SET for a quantity of less than 10 LF or SF (10 LF to 20 LF for ACM pipe insulation), followed by a series of tasks for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project.

02 82 33 00-0001 Pipe And Pipe Fittings Insulation, Asbestos Abatement And Disposal (02 82 33)

02 82 33 00-0002 Pipe Insulation, Asbestos Abatement And Disposal (02 82 33 00-0001)

Note: Diameter is outer size of insulation. Treat fittings as additional linear feet of insulation.

02 82 33 00-0003 Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal (02 82 33 00-0002)

See CSI section 02 82 33 00-0031 for projects with less than 10 LF.

02 82 33 00-0004	SET Up To 20 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	1,250.47
	For Work In Restricted Working Space, Add	361.81
02 82 33 00-0005	LF >20 To 250 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	43.33
	For Work In Restricted Working Space, Add	12.33
02 82 33 00-0006	LF >250 To 500 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	33.05
	For Work In Restricted Working Space, Add	9.25
02 82 33 00-0007	LF >500 To 2,500 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	25.35
	For Work In Restricted Working Space, Add	6.94
02 82 33 00-0008	LF >2,500 To 10,000 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	19.56
	For Work In Restricted Working Space, Add	5.20
02 82 33 00-0009	LF >10,000 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	17.31
	For Work In Restricted Working Space, Add	4.53

02 82 33 00-0010 >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal (02 82 33 00-0002)

See CSI section 02 82 33 00-0031 for projects with less than 10 LF.

02 82 33 00-0011	SET Up To 20 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	1,294.90
	For Work In Restricted Working Space, Add	361.81
02 82 33 00-0012	LF >20 To 250 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	51.73
	For Work In Restricted Working Space, Add	14.19
02 82 33 00-0013	LF >250 To 500 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	39.90
	For Work In Restricted Working Space, Add	10.64
02 82 33 00-0014	LF >500 To 2,500 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	31.04
	For Work In Restricted Working Space, Add	7.98
02 82 33 00-0015	LF >2,500 To 10,000 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	24.38
	For Work In Restricted Working Space, Add	5.98
02 82 33 00-0016	LF >10,000 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	21.78
	For Work In Restricted Working Space, Add	5.20

02 82 33 00-0017 >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal (02 82 33 00-0002)

See CSI section 02 82 33 00-0031 for projects with less than 10 LF.

02 82 33 00-0018	SET Up To 20 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal	1,339.33
	For Work In Restricted Working Space, Add	361.81
02 82 33 00-0019	LF >20 To 250 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	68.97
	For Work In Restricted Working Space, Add	18.92
02 82 33 00-0020	LF >250 To 500 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	53.20
	For Work In Restricted Working Space, Add	14.18
02 82 33 00-0021	LF >500 To 2,500 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	41.38
	For Work In Restricted Working Space, Add	10.64
02 82 33 00-0022	LF >2,500 To 10,000 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	32.51
	For Work In Restricted Working Space, Add	7.98
02 82 33 00-0023	LF >10,000 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	29.05
	For Work In Restricted Working Space, Add	6.94

02 82 33 00-0024 >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal (02 82 33 00-0002)

See CSI section 02 82 33 00-0031 for projects with less than 10 LF.

02 82 33 00-0025	SET Up To 20 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal	1,383.76
	For Work In Restricted Working Space, Add	361.81
02 82 33 00-0026	LF >20 To 250 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	94.84
	For Work In Restricted Working Space, Add	26.01
02 82 33 00-0027	LF >250 To 500 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	73.16
	For Work In Restricted Working Space, Add	19.50
02 82 33 00-0028	LF >500 To 2,500 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	56.90
	For Work In Restricted Working Space, Add	14.63
02 82 33 00-0029	LF >2,500 To 10,000 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	44.71
	For Work In Restricted Working Space, Add	10.97
02 82 33 00-0030	LF >10,000 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	39.95
	For Work In Restricted Working Space, Add	9.54

02 82 33 00-0031 Glove Bag Method, Pipe Insulation, Asbestos Abatement And Disposal (02 82 33 00-0002)

Note: Solid isolation barriers and plastic sheeting for containment construction (except on floor) are not required for glove bag projects unless required by local codes.

02 Existing Conditions**02 80 Facility Remediation****02 82 Asbestos Remediation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

02 82 33 00-0032	SET	Glove Bag For First 3 LF Pipe Insulation, Asbestos Abatement And Disposal	791.09
		<i>For Work In Restricted Working Space, Add</i>	233.33
02 82 33 00-0033	LF	>3 To 20 LF Additional Glove Bag Work for Pipe Insulation	134.07
		<i>For Work In Restricted Working Space, Add</i>	38.89
02 82 33 00-0034	LF	>20 To 250 LF Additional Glove Bag Work for Pipe Insulation	54.76
		<i>For Work In Restricted Working Space, Add</i>	15.10
02 82 33 00-0035	LF	>250 To 500 LF Additional Glove Bag Work for Pipe Insulation	42.17
		<i>For Work In Restricted Working Space, Add</i>	11.32
02 82 33 00-0036	LF	>500 LF Additional Glove Bag Work for Pipe Insulation	32.74
		<i>For Work In Restricted Working Space, Add</i>	8.49

02 82 33 00-0037 Asbestos Contaminated Non-ACM Pipe Insulation, Asbestos Abatement And Disposal

(02 82 33 00-0001)

Note: Diameter is outer size of insulation. Treat fittings as additional linear feet of insulation.

02 82 33 00-0038 Up To 6" Diameter Asbestos Contaminated Non-ACM Pipe Insulation, Asbestos Abatement And Disposal

(02 82 33 00-0037)

See CSI section 02 82 33 00-0031 for projects with less than 10 LF.

02 82 33 00-0039	SET	Up To 20 LF, Up To 6" Diameter Asbestos Contaminated Non-ACM Pipe Insulation, Asbestos Abatement And Disposal	1,250.47
		<i>For Work In Restricted Working Space, Add</i>	361.81
02 82 33 00-0040	LF	>20 To 250 LF, Up To 6" Diameter Asbestos Contaminated Non-ACM Pipe Insulation, Asbestos Abatement And Disposal	43.33
		<i>For Work In Restricted Working Space, Add</i>	12.33
02 82 33 00-0041	LF	>250 To 500 LF, Up To 6" Diameter Asbestos Contaminated Non-ACM Pipe Insulation, Asbestos Abatement And Disposal	33.05
		<i>For Work In Restricted Working Space, Add</i>	9.25
02 82 33 00-0042	LF	>500 To 2,500 LF, Up To 6" Diameter Asbestos Contaminated Non-ACM Pipe Insulation, Asbestos Abatement And Disposal	25.35
		<i>For Work In Restricted Working Space, Add</i>	6.94
02 82 33 00-0043	LF	>2,500 To 10,000 LF, Up To 6" Diameter Asbestos Contaminated Non-ACM Pipe Insulation, Asbestos Abatement And Disposal	19.56
		<i>For Work In Restricted Working Space, Add</i>	5.20
02 82 33 00-0044	LF	>10,000 LF, Up To 6" Diameter Asbestos Contaminated Non-ACM Pipe Insulation, Asbestos Abatement And Disposal	17.31
		<i>For Work In Restricted Working Space, Add</i>	4.53

02 82 33 00-0045 >6" Diameter Asbestos Contaminated Non-ACM Pipe Insulation, Asbestos Abatement And Disposal

(02 82 33 00-0037)

See CSI section 02 82 33 00-0031 for projects with less than 10 LF.

02 82 33 00-0046	SET	Up To 20 LF, >6" Diameter Asbestos Contaminated Non-ACM Pipe Insulation, Asbestos Abatement And Disposal	1,294.90
		<i>For Work In Restricted Working Space, Add</i>	361.81
02 82 33 00-0047	LF	>20 To 250 LF, >6" Diameter Asbestos Contaminated Non-ACM Pipe Insulation, Asbestos Abatement And Disposal	51.73
		<i>For Work In Restricted Working Space, Add</i>	14.19
02 82 33 00-0048	LF	>250 To 500 LF, >6" Diameter Asbestos Contaminated Non-ACM Pipe Insulation, Asbestos Abatement And Disposal	39.90
		<i>For Work In Restricted Working Space, Add</i>	10.64
02 82 33 00-0049	LF	>500 To 2,500 LF, >6" Diameter Asbestos Contaminated Non-ACM Pipe Insulation, Asbestos Abatement And Disposal	31.04
		<i>For Work In Restricted Working Space, Add</i>	7.98
02 82 33 00-0050	LF	>2,500 To 10,000 LF, >6" Diameter Asbestos Contaminated Non-ACM Pipe Insulation, Asbestos Abatement And Disposal	24.38
		<i>For Work In Restricted Working Space, Add</i>	5.98
02 82 33 00-0051	LF	>10,000 LF, >6" Diameter Asbestos Contaminated Non-ACM Pipe Insulation, Asbestos Abatement And Disposal	21.78
		<i>For Work In Restricted Working Space, Add</i>	5.20

02 82 33 00-0052 Thermal Insulation, Asbestos Abatement And Disposal

(02 82 33)

02 82 33 00-0053 Calcium Block Insulation, Asbestos Abatement And Disposal

(02 82 33 00-0052)

02 82 33 00-0054	SET	Up To 10 SF, Calcium Block Insulation, Asbestos Abatement And Disposal	1,228.26
02 82 33 00-0055	SF	>10 To 500 SF, Calcium Block Insulation, Asbestos Abatement And Disposal	51.36
02 82 33 00-0056	SF	>500 To 2,500 SF, Calcium Block Insulation, Asbestos Abatement And Disposal	42.63
02 82 33 00-0057	SF	>2,500 To 10,000 SF, Calcium Block Insulation, Asbestos Abatement And Disposal	34.52
02 82 33 00-0058	SF	>10,000 SF, Calcium Block Insulation, Asbestos Abatement And Disposal	28.45

02 82 33 00-0059 Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal

(02 82 33 00-0052)

02 82 33 00-0060	SET	Up To 10 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal	1,217.15
02 82 33 00-0061	SF	>10 To 500 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal	44.64
02 82 33 00-0062	SF	>500 To 2,500 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal	35.90
02 82 33 00-0063	SF	>2,500 To 10,000 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal	27.80
02 82 33 00-0064	SF	>10,000 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal	21.73

02 82 33 00-0065 Fibrous Glass Board Insulation, Asbestos Abatement And Disposal

(02 82 33 00-0052)

02 82 33 00-0066	SET	Up To 10 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal	1,213.45
02 82 33 00-0067	SF	>10 To 500 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal	39.45
02 82 33 00-0068	SF	>500 To 2,500 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal	30.71
02 82 33 00-0069	SF	>2,500 To 10,000 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal	22.60
02 82 33 00-0070	SF	>10,000 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal	16.53

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0071		Other Thermal Insulation, Up To 3" Thickness, Asbestos Abatement And Disposal (02 82 33 00-0052) Note: e.g., duct, boiler, tank, etc.		
02 82 33 00-0072	SET	Up To 25 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	1,233.81	
02 82 33 00-0073	SF	>25 To 500 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	42.22	
02 82 33 00-0074	SF	>500 To 2,500 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	33.49	
02 82 33 00-0075	SF	>2,500 To 10,000 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	25.40	
02 82 33 00-0076	SF	>10,000 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	19.32	
02 82 33 00-0077		Surfacing Material, Asbestos Abatement And Disposal (02 82 33)		
02 82 33 00-0078		Fireproofing For Small Areas, Asbestos Abatement And Disposal (02 82 33 00-0077) Note: For asbestos abatement for up to 1 SF sections to expose area for attachments. See CSI section 02 82 33 00-0080 for areas > 1 SF see CSI section.		
02 82 33 00-0079	EA	Up To 1 SF, Fireproofing For Small Areas, Asbestos Abatement And Disposal	202.12	
		Note: For asbestos abatement for up to 1 SF sections to expose steel area for welding attachments.		
02 82 33 00-0080		Fireproofing, Asbestos Abatement And Disposal (02 82 33 00-0077) Note: Exposed surface area, includes associated overspray.		
02 82 33 00-0081	SET	Up To 25 SF, Fireproofing, Asbestos Abatement And Disposal	1,233.81	
02 82 33 00-0082	SF	>25 To 500 SF, Fireproofing, Asbestos Abatement And Disposal	50.44	
02 82 33 00-0083	SF	>500 To 2,500 SF, Fireproofing, Asbestos Abatement And Disposal	38.10	
02 82 33 00-0084	SF	>2,500 To 10,000 SF, Fireproofing, Asbestos Abatement And Disposal	28.85	
02 82 33 00-0085	SF	>10,000 SF, Fireproofing, Asbestos Abatement And Disposal	21.92	
02 82 33 00-0086		Acoustical Plaster, Asbestos Abatement And Disposal (02 82 33 00-0077) Note: Remove surface coat from brown coat or remove entire assembly, including lathe and finish materials.		
02 82 33 00-0087	SET	Up To 25 SF, Acoustical Plaster, Asbestos Abatement And Disposal	1,224.56	
02 82 33 00-0088	SF	>25 To 500 SF, Acoustical Plaster, Asbestos Abatement And Disposal	21.35	
02 82 33 00-0089	SF	>500 To 2,500 SF, Acoustical Plaster, Asbestos Abatement And Disposal	16.32	
02 82 33 00-0090	SF	>2,500 To 10,000 SF, Acoustical Plaster, Asbestos Abatement And Disposal	12.29	
02 82 33 00-0091	SF	>10,000 SF, Acoustical Plaster, Asbestos Abatement And Disposal	9.28	
02 82 33 00-0092		Gypsum Wall Board, Asbestos Abatement And Disposal (02 82 33 00-0077)		
02 82 33 00-0093	SET	Up To 50 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	1,243.07	
		For Additional Layer, Add	331.66	
02 82 33 00-0094	SF	>50 To 500 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	16.57	
		For Additional Layer, Add	4.35	
02 82 33 00-0095	SF	>500 To 2,500 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	12.29	
		For Additional Layer, Add	3.18	
02 82 33 00-0096	SF	>2,500 To 10,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	9.78	
		For Additional Layer, Add	2.49	
02 82 33 00-0097	SF	>10,000 To 50,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	7.78	
		For Additional Layer, Add	1.94	
02 82 33 00-0098	SF	>50,000 To 100,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	6.27	
		For Additional Layer, Add	1.52	
02 82 33 00-0099	SF	>100,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	5.16	
		For Additional Layer, Add	1.22	
02 82 33 00-0100		Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal (02 82 33 00-0077)		
02 82 33 00-0101	SET	Up To 25 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	1,224.56	
02 82 33 00-0102	SF	>25 To 500 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	30.79	
02 82 33 00-0103	SF	>500 To 2,500 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	22.75	
02 82 33 00-0104	SF	>2,500 To 10,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	17.92	
02 82 33 00-0105	SF	>10,000 To 50,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	14.10	
02 82 33 00-0106	SF	>50,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	10.28	
02 82 33 00-0107		Stucco, Asbestos Abatement And Disposal (02 82 33 00-0077)		
02 82 33 00-0108	SET	Up To 50 SF, Stucco, Asbestos Abatement And Disposal	1,243.07	
02 82 33 00-0109	SF	>50 To 500 SF, Stucco, Asbestos Abatement And Disposal	26.96	
02 82 33 00-0110	SF	>500 To 2,500 SF, Stucco, Asbestos Abatement And Disposal	20.38	
02 82 33 00-0111	SF	>2,500 To 10,000 SF, Stucco, Asbestos Abatement And Disposal	15.49	
02 82 33 00-0112	SF	>10,000 SF, Stucco, Asbestos Abatement And Disposal	11.79	
02 82 33 00-0113		Spray On Acoustical Ceiling, Asbestos Abatement And Disposal (02 82 33 00-0077)		
02 82 33 00-0114	SET	Up To 50 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal	1,243.07	
02 82 33 00-0115	SF	>50 To 500 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal	14.15	
02 82 33 00-0116	SF	>500 To 2,500 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal	11.53	
02 82 33 00-0117	SF	>2,500 To 10,000 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal	8.28	
02 82 33 00-0118	SF	>10,000 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal	6.38	

02 Existing Conditions**02 80 Facility Remediation****02 82 Asbestos Remediation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

02 82 33 00-0119	Plywood, Asbestos Abatement And Disposal (02 82 33 00-0077)	
02 82 33 00-0120	SET Up To 40 SF, Plywood, Asbestos Abatement And Disposal	1,235.67
02 82 33 00-0121	SF >50 To 500 SF, Plywood, Asbestos Abatement And Disposal	17.83
02 82 33 00-0122	SF >500 To 2,500 SF, Plywood, Asbestos Abatement And Disposal	8.97
02 82 33 00-0123	SF >2,500 To 10,000 SF, Plywood, Asbestos Abatement And Disposal	6.29
02 82 33 00-0124	SF >10,000 SF, Plywood, Asbestos Abatement And Disposal	5.47
02 82 33 00-0125	Flooring Material, Asbestos Abatement And Disposal (02 82 33)	
02 82 33 00-0126	Floor Tile, Linoleum, Carpet Or Base, Asbestos Abatement And Disposal (02 82 33 00-0125)	
02 82 33 00-0127	Floor Tile, Asbestos Abatement And Disposal (02 82 33 00-0126)	
	Note: Single layer or first of multiple layers. Excludes mastic.	
02 82 33 00-0128	SET Up To 100 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal	1,213.45
	For Each Additional Layer, Add	182.02
02 82 33 00-0129	SF >100 To 500 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal	8.97
	For Each Additional Layer, Add	1.35
02 82 33 00-0130	SF >500 To 2,500 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal	7.43
	For Each Additional Layer, Add	1.11
02 82 33 00-0131	SF >2,500 To 10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal	6.01
	For Each Additional Layer, Add	0.90
02 82 33 00-0132	SF >10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal	4.30
	For Each Additional Layer, Add	0.65
02 82 33 00-0133	Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal (02 82 33 00-0126)	
	Note: Single layer or first of multiple layers. Excludes mastic.	
02 82 33 00-0134	SET Up To 100 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal	1,213.45
	For Each Additional Layer, Add	182.02
02 82 33 00-0135	SF >100 To 500 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal	8.97
	For Each Additional Layer, Add	1.35
02 82 33 00-0136	SF >500 To 2,500 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal	7.45
	For Each Additional Layer, Add	1.12
02 82 33 00-0137	SF >2,500 To 10,000 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal	6.81
	For Each Additional Layer, Add	1.02
02 82 33 00-0138	SF >10,000 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal	5.59
	For Each Additional Layer, Add	0.84
02 82 33 00-0139	Carpet, Asbestos Abatement And Disposal (02 82 33 00-0126)	
02 82 33 00-0140	SET Up To 100 SF, Carpet With Non-Friable Asbestos Mastic, Asbestos Abatement And Disposal	1,213.45
02 82 33 00-0141	SF >100 To 500 SF, Carpet With Non-Friable Asbestos Mastic, Asbestos Abatement And Disposal	7.12
02 82 33 00-0142	SF >500 To 2,500 SF, Carpet With Non-Friable Asbestos Mastic, Asbestos Abatement And Disposal	5.86
02 82 33 00-0143	SF >2,500 To 10,000 SF, Carpet With Non-Friable Asbestos Mastic, Asbestos Abatement And Disposal	4.41
02 82 33 00-0144	SF >10,000 SF, Carpet With Non-Friable Asbestos Mastic, Asbestos Abatement And Disposal	3.46
02 82 33 00-0145	Wall Or Cove Base, Asbestos Abatement And Disposal (02 82 33 00-0126)	
	Note: Up to 12".	
02 82 33 00-0146	SET Up To 25 LF, Wall Base And Mastic, Asbestos Abatement And Disposal	411.27
02 82 33 00-0147	LF >25 To 100 LF, Wall Base And Mastic, Asbestos Abatement And Disposal	5.73
02 82 33 00-0148	LF >100 To 500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal	3.59
02 82 33 00-0149	LF >500 To 2,500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal	2.38
02 82 33 00-0150	LF >2,500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal	1.78
02 82 33 00-0151	Carpet Containment (Burrito Wrap) And Disposal (02 82 33 00-0126)	
02 82 33 00-0152	SET Up To 10 SF, Carpet, Non-Friable Asbestos Burrito Wrap And Disposal	409.42
02 82 33 00-0153	SF >10 To 500 SF, Carpet, Non-Friable Asbestos Burrito Wrap And Disposal	2.85
02 82 33 00-0154	SF >500 To 2,500 SF, Carpet, Non-Friable Asbestos Burrito Wrap And Disposal	2.05
02 82 33 00-0155	SF >2,500 To 10,000 SF, Carpet, Non-Friable Asbestos Burrito Wrap And Disposal	1.50
02 82 33 00-0156	SF >10,000 SF, Carpet, Non-Friable Asbestos Burrito Wrap And Disposal	1.27
02 82 33 00-0157	Mastic, Asbestos Abatement And Disposal (02 82 33 00-0125)	
	Note: Applies to single layer or bottom layer only of multiple layers. Non-hydrocarbon with pine, citrus or no odor.	
02 82 33 00-0158	SET Up To 100 SF, Mastic, Asbestos Abatement And Disposal	1,224.57
	Note: Applies to bottom layer only if multiple layers.	
02 82 33 00-0159	SF >100 To 500 SF, Mastic, Asbestos Abatement And Disposal	3.20
	Note: Applies to bottom layer only if multiple layers.	
02 82 33 00-0160	SF >500 To 2,500 SF, Mastic, Asbestos Abatement And Disposal	2.39
	Note: Applies to bottom layer only if multiple layers.	
02 82 33 00-0161	SF >2,500 To 10,000 SF, Mastic, Asbestos Abatement And Disposal	1.89
	Note: Applies to bottom layer only if multiple layers.	
02 82 33 00-0162	SF >10,000 SF, Mastic, Asbestos Abatement And Disposal	1.55
	Note: Applies to bottom layer only if multiple layers.	
02 82 33 00-0163	Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal (02 82 33 00-0125)	
	Note: Includes finish wood, asbestos barrier paper, cleanup of sub-wood floor, fasteners, wood fillers and protection of clean crawl space from contamination.	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0164	SET	Up To 100 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	1,280.11	
02 82 33 00-0165	SF	>100 To 500 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	10.24	
02 82 33 00-0166	SF	>500 To 2,500 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	7.67	
02 82 33 00-0167	SF	>2,500 To 10,000 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	6.16	
02 82 33 00-0168	SF	>10,000 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	4.97	
02 82 33 00-0169		Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal (02 82 33 00-0125)		
02 82 33 00-0170	SET	Up To 100 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal.....	1,243.05	
02 82 33 00-0171	SF	>100 To 500 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal.....	11.12	
02 82 33 00-0172	SF	>500 To 2,500 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal..... Note: Includes detachment of mounted objects before removal.	7.41	
02 82 33 00-0173	SF	>2,500 To 10,000 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal.....	5.90	
02 82 33 00-0174	SF	>10,000 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal.....	4.90	
02 82 33 00-0175		Roofing, Asbestos Abatement And Disposal (02 82 33)		
02 82 33 00-0176		Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal (02 82 33 00-0175) Note: Includes roofing, flashing, sheet metal, insulation, pitch pockets, board etc.		
02 82 33 00-0177		Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal (02 82 33 00-0176)		
02 82 33 00-0178	SET	Up To 125 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	1,298.62	
02 82 33 00-0179	SF	>125 To 1,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	8.45	
02 82 33 00-0180	SF	>1,000 To 5,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	6.91	
02 82 33 00-0181	SF	>5,000 To 10,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	5.67	
02 82 33 00-0182	SF	>10,000 To 20,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	4.44	
02 82 33 00-0183	SF	>20,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	3.51	
02 82 33 00-0184		>2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal (02 82 33 00-0176)		
02 82 33 00-0185	SET	Up To 110 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	1,368.96	
02 82 33 00-0186	SF	>110 To 1,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	10.26	
02 82 33 00-0187	SF	>1,000 To 5,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	8.48	
02 82 33 00-0188	SF	>5,000 To 10,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	7.12	
02 82 33 00-0189	SF	>10,000 To 20,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	5.71	
02 82 33 00-0190	SF	>20,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	4.64	
02 82 33 00-0191		>5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal (02 82 33 00-0176)		
02 82 33 00-0192	SET	Up To 110 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	1,450.41	
02 82 33 00-0193	SF	>110 To 1,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	11.97	
02 82 33 00-0194	SF	>1,000 To 5,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	9.99	
02 82 33 00-0195	SF	>5,000 To 10,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	8.48	
02 82 33 00-0196	SF	>10,000 To 20,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	6.92	
02 82 33 00-0197	SF	>20,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	5.73	
02 82 33 00-0198		Shingles And Felt Roofing, Asbestos Abatement And Disposal (02 82 33 00-0175)		
02 82 33 00-0199		Shingles And Felt Roofing, Asbestos Abatement And Disposal (02 82 33 00-0198)		
02 82 33 00-0200	SET	Up To 125 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal	1,229.18	
		Note: Single or first of multiple layers.		
02 82 33 00-0201	SF	>125 To 1,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal.....	7.90	
		Note: Single or first of multiple layers.		
		For Each Additional Layer, Add	1.58	
02 82 33 00-0202	SF	>1,000 To 5,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal.....	6.36	
		Note: Single or first of multiple layers.		
		For Each Additional Layer, Add	1.27	
02 82 33 00-0203	SF	>5,000 To 10,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal.....	5.12	
		Note: Single or first of multiple layers.		
		For Each Additional Layer, Add	1.02	
02 82 33 00-0204	SF	>10,000 To 20,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal.....	3.89	
		Note: Single or first of multiple layers.		
		For Each Additional Layer, Add	0.78	
02 82 33 00-0205	SF	>20,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal.....	2.96	
		Note: Single or first of multiple layers.		
		For Each Additional Layer, Add	0.59	

02 Existing Conditions**02 80 Facility Remediation****02 82 Asbestos Remediation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

02 82 33 00-0206		Roof Penetration Mastic, Asbestos Abatement And Disposal (02 82 33 00-0175)	
02 82 33 00-0207	SET	Up To 10 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal	403.86
02 82 33 00-0208	SF	>10 To 50 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal	3.21
02 82 33 00-0209	SF	>50 To 100 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal	2.66
02 82 33 00-0210	SF	>100 To 250 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal	2.18
02 82 33 00-0211	SF	>250 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal	1.63
02 82 33 00-0212		Roof Curb Mastic, Asbestos Abatement And Disposal (02 82 33 00-0175)	
02 82 33 00-0213	SET	Up To 10 LF, Roof Curb Mastic, Asbestos Abatement And Disposal	403.86
02 82 33 00-0214	LF	>10 To 20 LF, Roof Curb Mastic, Asbestos Abatement And Disposal	9.23
02 82 33 00-0215	LF	>20 To 50 LF, Roof Curb Mastic, Asbestos Abatement And Disposal	7.42
02 82 33 00-0216	LF	>50 To 150 LF, Roof Curb Mastic, Asbestos Abatement And Disposal	6.22
02 82 33 00-0217	LF	>150 LF, Roof Curb Mastic, Asbestos Abatement And Disposal	4.53
02 82 33 00-0218		Asbestos-Cement Products, Asbestos Abatement And Disposal (02 82 33)	
02 82 33 00-0219		Interior Asbestos-Cement Board, Asbestos Abatement And Disposal (02 82 33 00-0218)	
		Note: Includes detachment of mounted objects before removal.	
02 82 33 00-0220	SET	Up To 100 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal	1,243.05
		Note: Includes detachment of mounted objects before removal.	
02 82 33 00-0221	SF	>100 To 500 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal	8.60
		Note: Includes detachment of mounted objects before removal.	
02 82 33 00-0222	SF	>500 To 2,500 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal	4.48
		Note: Includes detachment of mounted objects before removal.	
02 82 33 00-0223	SF	>2,500 To 10,000 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal	3.65
		Note: Includes detachment of mounted objects before removal.	
02 82 33 00-0224	SF	>10,000 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal	3.23
		Note: Includes detachment of mounted objects before removal.	
02 82 33 00-0225		Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal (02 82 33 00-0218)	
02 82 33 00-0226	SET	Up To 100 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	1,243.05
02 82 33 00-0227	SF	>100 To 500 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	7.51
02 82 33 00-0228	SF	>500 To 2,500 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	4.03
02 82 33 00-0229	SF	>2,500 To 10,000 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	3.29
02 82 33 00-0230	SF	>10,000 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	2.92
02 82 33 00-0231		Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal (02 82 33 00-0218)	
02 82 33 00-0232	SET	Up To 10 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	1,049.46
02 82 33 00-0233	LF	>10 To 100 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	45.55
02 82 33 00-0234	LF	>100 To 250 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	35.27
02 82 33 00-0235	LF	>250 To 500 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	27.57
02 82 33 00-0236	LF	>500 To 2,500 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	21.78
02 82 33 00-0237	LF	>2,500 To 10,000 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	17.45
02 82 33 00-0238	LF	>10,000 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	17.14
02 82 33 00-0239		Exterior Transite Siding, Asbestos Abatement And Disposal (02 82 33 00-0218)	
02 82 33 00-0240	SET	Up To 125 SF, Exterior Transite Siding, Asbestos Abatement And Disposal	1,268.80
		Note: Single or first of multiple layers.	
02 82 33 00-0241	SF	>125 To 1,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal	6.80
		Note: Single or first of multiple layers.	
02 82 33 00-0242	SF	>1,000 To 5,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal	5.51
		Note: Single or first of multiple layers.	
02 82 33 00-0243	SF	>5,000 To 10,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal	4.48
		Note: Single or first of multiple layers.	
02 82 33 00-0244	SF	>10,000 To 20,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal	3.45
		Note: Single or first of multiple layers.	
02 82 33 00-0245	SF	>20,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal	2.68
		Note: Single or first of multiple layers.	
02 82 33 00-0246		Asbestos Contaminated Debris, Asbestos Abatement And Disposal (02 82 33)	
02 82 33 00-0247		Asbestos Contaminated Dust And Minor Debris Collection In All Areas, Asbestos Abatement And Disposal (02 82 33 00-0246)	
		Note: For non-attic/crawl space surface cleaning including walls, floors, equipment, and furniture.	
02 82 33 00-0248	SET	Up To 10 SF, Asbestos Contaminated Dust And Minor Debris Collection In All Areas, Asbestos Abatement And Disposal	606.72
02 82 33 00-0249	SF	>10 To 100 SF, Asbestos Contaminated Dust And Minor Debris Collection In All Areas, Asbestos Abatement And Disposal	1.35
02 82 33 00-0250	SF	>100 To 500 SF, Asbestos Contaminated Dust And Minor Debris Collection In All Areas, Asbestos Abatement And Disposal	0.97
02 82 33 00-0251	SF	>500 To 1,000 SF, Asbestos Contaminated Dust And Minor Debris Collection In All Areas, Asbestos Abatement And Disposal	0.84
02 82 33 00-0252	SF	>1,000 SF, Asbestos Contaminated Dust And Minor Debris Collection In All Areas, Asbestos Abatement And Disposal	0.76

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST

02 82 33 00-0253			Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal (02 82 33 00-0246)		
02 82 33 00-0254	SET		Up To 10 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	818.84	
02 82 33 00-0255	SF		>10 To 100 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	21.58	
			For Batt Insulation Removal, Add	2.00	
			For Encapsulated Soil, Add	1.00	
			For Work In Restricted Working Space, Add	1.00	
02 82 33 00-0256	SF		>100 To 250 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	15.05	
			For Batt Insulation Removal, Add	2.00	
			For Encapsulated Soil, Add	1.00	
			For Work In Restricted Working Space, Add	1.00	
02 82 33 00-0257	SF		>250 To 500 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	11.53	
			For Batt Insulation Removal, Add	2.00	
			For Encapsulated Soil, Add	1.00	
			For Work In Restricted Working Space, Add	1.00	
02 82 33 00-0258	SF		>500 To 2,500 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	9.53	
			For Batt Insulation Removal, Add	2.00	
			For Encapsulated Soil, Add	1.00	
			For Work In Restricted Working Space, Add	1.00	
02 82 33 00-0259	SF		>2,500 To 10,000 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	8.52	
			For Batt Insulation Removal, Add	2.00	
			For Encapsulated Soil, Add	1.00	
			For Work In Restricted Working Space, Add	1.00	
02 82 33 00-0260	SF		>10,000 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	7.51	
			For Batt Insulation Removal, Add	2.00	
			For Encapsulated Soil, Add	1.00	
			For Work In Restricted Working Space, Add	1.00	
02 82 33 00-0261	SET		Up To 10 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	1,030.95	
02 82 33 00-0262	SF		>10 To 100 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	42.54	
			For Batt Insulation Removal, Add	2.00	
			For Encapsulated Soil, Add	1.00	
			For Work In Restricted Working Space, Add	1.00	
02 82 33 00-0263	SF		>100 To 250 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	29.24	
			For Batt Insulation Removal, Add	2.00	
			For Encapsulated Soil, Add	1.00	
			For Work In Restricted Working Space, Add	1.00	
02 82 33 00-0264	SF		>250 To 500 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	22.61	
			For Batt Insulation Removal, Add	2.00	
			For Encapsulated Soil, Add	1.00	
			For Work In Restricted Working Space, Add	1.00	
02 82 33 00-0265	SF		>500 To 2,500 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	18.58	
			For Batt Insulation Removal, Add	2.00	
			For Encapsulated Soil, Add	1.00	
			For Work In Restricted Working Space, Add	1.00	
02 82 33 00-0266	SF		>2,500 To 10,000 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	16.19	
			For Batt Insulation Removal, Add	2.00	
			For Encapsulated Soil, Add	1.00	
			For Work In Restricted Working Space, Add	1.00	
02 82 33 00-0267	SF		>10,000 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	14.82	
			For Batt Insulation Removal, Add	2.00	
			For Encapsulated Soil, Add	1.00	
			For Work In Restricted Working Space, Add	1.00	
02 82 33 00-0268	SET		Up To 10 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	1,250.47	
02 82 33 00-0269	SF		>10 To 100 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	84.39	
			For Batt Insulation Removal, Add	2.00	
			For Encapsulated Soil, Add	1.00	
			For Work In Restricted Working Space, Add	1.00	
02 82 33 00-0270	SF		>100 To 250 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	57.74	
			For Batt Insulation Removal, Add	2.00	
			For Encapsulated Soil, Add	1.00	
			For Work In Restricted Working Space, Add	1.00	
02 82 33 00-0271	SF		>250 To 500 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	44.47	
			For Batt Insulation Removal, Add	2.00	
			For Encapsulated Soil, Add	1.00	
			For Work In Restricted Working Space, Add	1.00	
02 82 33 00-0272	SF		>500 To 2,500 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	36.42	
			For Batt Insulation Removal, Add	2.00	
			For Encapsulated Soil, Add	1.00	
			For Work In Restricted Working Space, Add	1.00	

02 Existing Conditions**02 80 Facility Remediation****02 82 Asbestos Remediation**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 82 33 00-0273	SF	>2,500 To 10,000 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	31.63
		<i>For Batt Insulation Removal, Add</i>	2.00
		<i>For Encapsulated Soil, Add</i>	1.00
		<i>For Work In Restricted Working Space, Add</i>	1.00
02 82 33 00-0274	SF	>10,000 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	28.90
		<i>For Batt Insulation Removal, Add</i>	2.00
		<i>For Encapsulated Soil, Add</i>	1.00
		<i>For Work In Restricted Working Space, Add</i>	1.00
02 82 33 00-0275 Asbestos Contaminated Debris, Asbestos Abatement And Disposal (02 82 33 00-0246)			
02 82 33 00-0276	SET	Up To 10 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	848.46
		<i>For Work In Restricted Working Space, Add</i>	241.21
02 82 33 00-0277	CF	>10 To 100 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	84.39
		<i>For Work In Restricted Working Space, Add</i>	23.99
02 82 33 00-0278	CF	>100 To 250 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	57.74
		<i>For Work In Restricted Working Space, Add</i>	15.99
02 82 33 00-0279	CF	>250 To 500 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	44.47
		<i>For Work In Restricted Working Space, Add</i>	12.01
02 82 33 00-0280	CF	>500 To 2,500 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	36.42
		<i>For Work In Restricted Working Space, Add</i>	9.59
02 82 33 00-0281	CF	>2,500 To 10,000 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	31.63
		<i>For Work In Restricted Working Space, Add</i>	8.16
02 82 33 00-0282	CF	>10,000 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	28.90
		<i>For Work In Restricted Working Space, Add</i>	7.34
02 82 33 00-0283 Other Asbestos Containing Materials, Asbestos Abatement And Disposal (02 82 33 00-0283)			
02 82 33 00-0284 30" To 36" Fire Door, Asbestos Abatement And Disposal (02 82 33 00-0283)			
02 82 33 00-0285	SET	Up To 1 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal	422.00
02 82 33 00-0286	EA	>1 To 20 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal	164.71
02 82 33 00-0287	EA	>20 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal	150.25
02 82 33 00-0288 HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal (02 82 33 00-0283)			
02 82 33 00-0289	SET	Up To 10 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	402.93
02 82 33 00-0290	LF	>10 To 50 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	8.32
02 82 33 00-0291	LF	>50 To 100 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	6.25
02 82 33 00-0292	LF	>100 To 250 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	5.40
02 82 33 00-0293	LF	>250 To 1,000 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	4.66
02 82 33 00-0294	LF	>1,000 To 2,500 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	4.00
02 82 33 00-0295	LF	>2,500 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	3.46
02 82 33 00-0296 Grout, Asbestos Abatement And Disposal (02 82 33 00-0283)			
		Note: e.g. flue grout.	
02 82 33 00-0297	SET	Up To 10 LF, Grout, Asbestos Abatement And Disposal	402.62
02 82 33 00-0298	LF	>10 To 50 LF, Grout, Asbestos Abatement And Disposal	15.89
02 82 33 00-0299	LF	>50 To 100 LF, Grout, Asbestos Abatement And Disposal	10.95
02 82 33 00-0300	LF	>100 To 250 LF, Grout, Asbestos Abatement And Disposal	9.39
02 82 33 00-0301	LF	>250 To 1,000 LF, Grout, Asbestos Abatement And Disposal	8.07
02 82 33 00-0302	LF	>1,000 To 2,500 LF, Grout, Asbestos Abatement And Disposal	6.97
02 82 33 00-0303	LF	>2,500 LF, Grout, Asbestos Abatement And Disposal	5.98
02 82 33 00-0304 Gaskets, Asbestos Abatement And Disposal (02 82 33 00-0283)			
		Note: e.g. rope, web cloth, flat.	
02 82 33 00-0305	SET	Up To 10 LF, Gaskets, Asbestos Abatement And Disposal	402.93
02 82 33 00-0306	LF	>10 To 50 LF, Gaskets, Asbestos Abatement And Disposal	21.41
02 82 33 00-0307	LF	>50 To 250 LF, Gaskets, Asbestos Abatement And Disposal	16.08
02 82 33 00-0308	LF	>250 To 500 LF, Gaskets, Asbestos Abatement And Disposal	13.71
02 82 33 00-0309	LF	>500 To 1,500 LF, Gaskets, Asbestos Abatement And Disposal	12.35
02 82 33 00-0310	LF	>1,500 To 2,500 LF, Gaskets, Asbestos Abatement And Disposal	11.11
02 82 33 00-0311	LF	>2,500 LF, Gaskets, Asbestos Abatement And Disposal	10.57
02 82 33 00-0312 Ceiling Tile Including Glue Removal, Asbestos Abatement And Disposal (02 82 33 00-0283)			
		Note: e.g. grid, spline, or glued on.	
02 82 33 00-0313	SET	Up To 50 SF, Ceiling Tile, Asbestos Abatement And Disposal	822.54
		Note: Including Glue Removal	
02 82 33 00-0314	SF	>50 To 1,000 SF, Ceiling Tile, Asbestos Abatement And Disposal	17.46
		Note: Including Glue Removal	
02 82 33 00-0315	SF	>1,000 To 2,500 SF, Ceiling Tile, Asbestos Abatement And Disposal	8.60
		Note: Including Glue Removal	
02 82 33 00-0316	SF	>2,500 To 10,000 SF, Ceiling Tile, Asbestos Abatement And Disposal	5.92
		Note: Including Glue Removal	
02 82 33 00-0317	SF	>10,000 SF, Ceiling Tile, Asbestos Abatement And Disposal	5.10
		Note: Including Glue Removal	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0318		Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal (02 82 33 00-0283) Note: Includes ceiling tile, asbestos barrier paper, and furring strips.		
02 82 33 00-0319	SET	Up To 50 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	814.02	
02 82 33 00-0320	SF	>50 To 1,000 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	17.46	
02 82 33 00-0321	SF	>1,000 To 2,500 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	8.60	
02 82 33 00-0322	SF	>2,500 To 10,000 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	5.92	
02 82 33 00-0323	SF	>10,000 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	5.10	
02 82 33 00-0324		Caulking, Asbestos Abatement And Disposal (02 82 33 00-0283)		
02 82 33 00-0325		Non-Friable Caulking, Asbestos Abatement And Disposal (02 82 33 00-0324)		
02 82 33 00-0326	SET	Up To 10 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal.....	402.62	
02 82 33 00-0327	LF	>10 To 50 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal.....	11.91	
02 82 33 00-0328	LF	>50 To 100 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal.....	8.43	
02 82 33 00-0329	LF	>100 To 250 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal.....	6.28	
02 82 33 00-0330	LF	>250 To 1,000 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal.....	4.74	
02 82 33 00-0331	LF	>1,000 To 2,500 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal.....	3.76	
02 82 33 00-0332	LF	>2,500 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal.....	3.27	
02 82 33 00-0333		Wood Wall Joint Compound, Asbestos Abatement And Disposal (02 82 33 00-0283)		
02 82 33 00-0334	SET	Up To 10 SF, Wood Wall Joint Compound, Asbestos Abatement And Disposal.....	805.88	
02 82 33 00-0335	SF	>10 To 500 SF, Wood Wall Joint Compound, Asbestos Abatement And Disposal.....	16.02	
02 82 33 00-0336	SF	>500 To 2,500 SF, Wood Wall Joint Compound, Asbestos Abatement And Disposal.....	11.74	
02 82 33 00-0337	SF	>2,500 To 10,000 SF, Wood Wall Joint Compound, Asbestos Abatement And Disposal.....	9.23	
02 82 33 00-0338	SF	>10,000 SF, Wood Wall Joint Compound, Asbestos Abatement And Disposal.....	7.23	
02 82 33 00-0339		Chalk Board Mastic, Asbestos Abatement And Disposal (02 82 33 00-0283)		
02 82 33 00-0340	SET	Up To 100 SF, Chalk Board Mastic, Asbestos Abatement And Disposal.....	420.54	
02 82 33 00-0341	SF	>100 To 1,000 SF, Chalk Board Mastic, Asbestos Abatement And Disposal.....	17.28	
02 82 33 00-0342	SF	>1,000 To 2,500 SF, Chalk Board Mastic, Asbestos Abatement And Disposal.....	8.42	
02 82 33 00-0343	SF	>2,500 To 10,000 SF, Chalk Board Mastic, Asbestos Abatement And Disposal.....	5.74	
02 82 33 00-0344	SF	>10,000 SF, Chalk Board Mastic, Asbestos Abatement And Disposal.....	4.92	
02 82 33 00-0345		Tack Board Mastic, Asbestos Abatement And Disposal (02 82 33 00-0283)		
02 82 33 00-0346	SET	Up To 100 SF, Tack Board Mastic, Asbestos Abatement And Disposal.....	420.54	
02 82 33 00-0347	SF	>100 To 1,000 SF, Tack Board Mastic, Asbestos Abatement And Disposal.....	17.28	
02 82 33 00-0348	SF	>1,000 To 2,500 SF, Tack Board Mastic, Asbestos Abatement And Disposal.....	8.42	
02 82 33 00-0349	SF	>2,500 To 10,000 SF, Tack Board Mastic, Asbestos Abatement And Disposal.....	5.74	
02 82 33 00-0350	SF	>10,000 SF, Tack Board Mastic, Asbestos Abatement And Disposal.....	4.92	
02 82 33 00-0351		Dash Coat Over Wood Walls, Asbestos Abatement And Disposal (02 82 33 00-0283)		
02 82 33 00-0352	SET	Up To 10 SF, Dash Coat Over Wood Walls, Asbestos Abatement And Disposal.....	805.88	
02 82 33 00-0353	SF	>10 To 500 SF, Dash Coat Over Wood Walls, Asbestos Abatement And Disposal.....	17.78	
02 82 33 00-0354	SF	>500 To 2,500 SF, Dash Coat Over Wood Walls, Asbestos Abatement And Disposal.....	13.30	
02 82 33 00-0355	SF	>2,500 To 10,000 SF, Dash Coat Over Wood Walls, Asbestos Abatement And Disposal.....	10.02	
02 82 33 00-0356	SF	>10,000 SF, Dash Coat Over Wood Walls, Asbestos Abatement And Disposal.....	7.57	
02 82 33 00-0357		HEPA Vacuum, Asbestos Abatement And Disposal (02 82 33 00-0283) Note: For adjacent areas.		
02 82 33 00-0358	SF	High Efficiency Particulate Air (HEPA) Vacuum And Cleaning Of Contaminated Area.....	0.88	
02 82 33 00-0359		Window Putty, Asbestos Abatement And Disposal (02 82 33 00-0283)		
02 82 33 00-0360	SET	Up To 10 LF, Window Putty, Asbestos Abatement And Disposal.....	402.62	
02 82 33 00-0361	LF	>10 To 50 LF, Window Putty, Asbestos Abatement And Disposal.....	15.89	
02 82 33 00-0362	LF	>50 To 100 LF, Window Putty, Asbestos Abatement And Disposal.....	10.95	
02 82 33 00-0363	LF	>100 To 250 LF, Window Putty, Asbestos Abatement And Disposal.....	9.39	
02 82 33 00-0364	LF	>250 To 1,000 LF, Window Putty, Asbestos Abatement And Disposal.....	8.07	
02 82 33 00-0365	LF	>1,000 LF, Window Putty, Asbestos Abatement And Disposal.....	6.97	
02 82 33 00-0366		Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal (02 82 33 00-0283)		
02 82 33 00-0367	SET	Up To 4 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal.....	889.34	
02 82 33 00-0368	EA	>4 To 40 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal.....	93.28	
02 82 33 00-0369	EA	>40 To 60 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal.....	69.30	
02 82 33 00-0370	EA	>60 To 125 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal.....	57.36	
02 82 33 00-0371	EA	>125 To 625 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal.....	50.11	
02 82 33 00-0372	EA	>625 To 1,500 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal.....	45.79	
02 82 33 00-0373	EA	>1,500 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal.....	43.34	

02 Existing Conditions**02 80 Facility Remediation****02 83 Lead Remediation**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 83 Lead Remediation (02 80)

See CSI section 01 56 16 00-0033 for temporary stud walls, 01 74 19 00-0045 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0008 for plastic sheeting for containment construction, 02 89 00 00-0018 for decontamination chambers.

02 83 19 Lead-Based Paint Remediation (02 83)**02 83 19 13 Lead-Based Paint Abatement** (02 83 19)

Note: Includes materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, bagging, clean-up, vacuuming, transportation for up to 25 miles, disposal, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete removal and disposal of lead contaminated materials in accordance with EPA and local regulations. Where types of Lead are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. See CSI section 01 56 16 00-0033 for temporary stud walls, 01 74 19 00-0045 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0008 for plastic sheeting.

02 83 19 13-0001 Lead Sampling And Testing (02 83 19 13)

Note: Includes packaging of sample for shipping, shipping to testing lab, chain of custody documentation, analysis of sample, lab report, and sample disposal. Excludes sampling time.

02 83 19 13-0002	HR	Certified Lead Sampling Technician For Bulk Sampling Or Air Monitoring	91.29
02 83 19 13-0003	EA	X-Ray Fluorescence (XRF) Lead Testing	74.96
Note: Including Technician, 3 Readings Per Surface And Lab Fee			
02 83 19 13-0004	EA	5 Day Turnaround Toxicity Characteristic Leaching Procedure (TCLP) Lead Test And Lab Fee	71.76
02 83 19 13-0005	EA	48 Hour Turnaround Toxicity Characteristic Leaching Procedure (TCLP) Lead Test And Lab Fee	108.72
02 83 19 13-0006	EA	24 Hour Turnaround Toxicity Characteristic Leaching Procedure (TCLP) Lead Test And Lab Fee	152.21
02 83 19 13-0007	EA	5 Day Turnaround Total Threshold Leaching Concentration (TTLC) Lead Test And Lab Fee	28.27
02 83 19 13-0008	EA	24 Hour Turnaround Total Threshold Leaching Concentration (TTLC) Lead Test And Lab Fee	43.49
02 83 19 13-0009	EA	8 Hour Turnaround Total Threshold Leaching Concentration (TTLC) Lead Test And Lab Fee	54.36
02 83 19 13-0010	EA	5 Day Turnaround Soluble Threshold Limit Concentration (STLC) Lead Test And Lab Fee	71.76
02 83 19 13-0011	EA	3 Day Turnaround Soluble Threshold Limit Concentration (STLC) Lead Test And Lab Fee	108.72
02 83 19 13-0012	EA	5 Day Turnaround Lead Wipe Samples And Lab Fee	11.96
02 83 19 13-0013	EA	24 Hour Turnaround Lead Wipe Samples And Lab Fee	16.31
02 83 19 13-0014	EA	8 Hour Turnaround Lead Wipe Samples And Lab Fee	23.92
02 83 19 13-0015	EA	5 Day Turnaround Lead Air Samples And Lab Fee	11.96
02 83 19 13-0016	EA	24 Hour Turnaround Lead Air Samples And Lab Fee	16.31
02 83 19 13-0017	EA	8 Hour Turnaround Lead Air Samples And Lab Fee	23.92
02 83 19 13-0018	EA	5 Day Turnaround Lead Water Test and Lab Fee	43.49
02 83 19 13-0019	EA	24 Hour Turnaround Lead Water Test and Lab Fee	65.23
02 83 19 13-0020	EA	8 Hour Turnaround Lead Water Test and Lab Fee	86.98
02 83 19 13-0021	EA	5 Day Turnaround Lead Paint Chip Test and Lab Fee	44.97
02 83 19 13-0022	EA	5 Day Turnaround Lead Soil Test and Lab Fee	89.95

02 83 19 13-0023 Minimum Charge For Lead-Based Paint Remediation (02 83 19 13)

02 83 19 13-0024	EA	Lead-Based Paint Remediation Minimum Show Up Charge	1,252.59
Note: For projects where the total lead-based paint remediation charge is less than the minimum charge, use task "Minimum Charge For Lead-Based Paint Remediation" exclusively. Task "Minimum Charge For Lead-Based Paint Remediation" should not be used in conjunction with any other tasks in this section. Includes air sample and personal air monitoring.			

02 83 19 13-0025 Chemical Stripping Of Lead Contaminated Material (02 83 19 13)

Note: Per 0.02" (20 mils) application. Manufacture recommended operating temperatures not to be below 50 degrees. Includes heat gun (where required) for follow up, waste handling, packing and all personnel blood work, lab test fees and monitoring. Industrial coatings often contain other hazardous ingredients in addition to or in place of lead. These might include, but are not be limited to, chromium, cadmium and mercury.

02 83 19 13-0026	SF	Balustrades, Chemical Stripping Of Lead Contaminated Material	35.07
For 0.025" (25 mil) Application, Add			2.00
For 0.03" (30 mil) Application, Add			3.16
02 83 19 13-0027	SF	Balustrades, Ornate, Chemical Stripping Of Lead Contaminated Material	51.96
For 0.025" (25 mil) Application, Add			2.85
For 0.03" (30 mil) Application, Add			4.43
02 83 19 13-0028	LF	Up To 6" Wide, Wood Trim, Chemical Stripping Of Lead Contaminated Material	15.07
For 0.025" (25 mil) Application, Add			0.90
For 0.03" (30 mil) Application, Add			1.45
For 0.125" (125 mil) Application, Add			8.27
02 83 19 13-0029	LF	>6" To 12" Wide, Wood Trim, Chemical Stripping Of Lead Contaminated Material	30.73
For 0.025" (25 mil) Application, Add			1.69
For 0.03" (30 mil) Application, Add			2.62
For 0.125" (125 mil) Application, Add			12.18
02 83 19 13-0030	SF	Cornice, Chemical Stripping Of Lead Contaminated Material	16.41
For 0.025" (25 mil) Application, Add			1.07
For 0.03" (30 mil) Application, Add			1.76
02 83 19 13-0031	SF	Cornice, Ornate, Chemical Stripping Of Lead Contaminated Material	46.33
For 0.025" (25 mil) Application, Add			2.57
For 0.03" (30 mil) Application, Add			4.01
02 83 19 13-0032	SF	Brick, Concrete Block, Concrete, Chemical Stripping Of Lead Contaminated Material	10.13
For 0.025" (25 mil) Application, Add			0.71
For 0.03" (30 mil) Application, Add			1.18
For 0.125" (125 mil) Application, Add			8.53
02 83 19 13-0033	SF	Cabinets, Chemical Stripping Of Lead Contaminated Material	29.31
For 0.025" (25 mil) Application, Add			1.67
For 0.03" (30 mil) Application, Add			2.62
02 83 19 13-0034	SF	Cabinets, Ornate, Chemical Stripping Of Lead Contaminated Material	37.34
For 0.025" (25 mil) Application, Add			2.07
For 0.03" (30 mil) Application, Add			3.23
02 83 19 13-0035	SF	Plaster, Stucco and Drywall Surfaces, Chemical Stripping Of Lead Contaminated Material	13.95
For 0.025" (25 mil) Application, Add			0.90
For 0.03" (30 mil) Application, Add			1.47

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0036	SF		Columns, Chemical Stripping Of Lead Contaminated Material.....	13.42	
			For 0.025" (25 mil) Application, Add	0.92	
			For 0.03" (30 mil) Application, Add	1.54	
			For 0.125" (125 mil) Application, Add	10.86	
02 83 19 13-0037	SF		Flush Doors, One Side, Chemical Stripping Of Lead Contaminated Material.....	11.82	
			For 0.025" (25 mil) Application, Add	0.79	
			For 0.03" (30 mil) Application, Add	1.31	
02 83 19 13-0038	SF		Raised Panel Doors and Decorative Doors, Chemical Stripping Of Lead Contaminated Material.....	14.51	
			For 0.025" (25 mil) Application, Add	0.93	
			For 0.03" (30 mil) Application, Add	1.51	
02 83 19 13-0039	SF		Sectional Panel Or Roll-Up Doors, Chemical Stripping Of Lead Contaminated	21.36	
			For 0.025" (25 mil) Application, Add	1.32	
			For 0.03" (30 mil) Application, Add	2.13	
02 83 19 13-0040	EA		Electrical Devices, Chemical Stripping Of Lead Contaminated Material.....	60.99	
			For 0.025" (25 mil) Application, Add	3.45	
			For 0.03" (30 mil) Application, Add	5.42	
02 83 19 13-0041	LF		Door Frames, Chemical Stripping Of Lead Contaminated Material.....	15.15	
			For 0.025" (25 mil) Application, Add	0.96	
			For 0.03" (30 mil) Application, Add	1.56	
02 83 19 13-0042	SF		Wood Floors, Chemical Stripping Of Lead Contaminated Material.....	8.35	
			For 0.025" (25 mil) Application, Add	0.62	
			For 0.03" (30 mil) Application, Add	1.05	
02 83 19 13-0043	SF		HVAC Grilles, Chemical Stripping Of Lead Contaminated Material.....	31.31	
			For 0.025" (25 mil) Application, Add	1.77	
			For 0.03" (30 mil) Application, Add	2.77	
02 83 19 13-0044	SF		HVAC Grilles, Ornate, Chemical Stripping Of Lead Contaminated Material.....	37.34	
			For 0.025" (25 mil) Application, Add	2.07	
			For 0.03" (30 mil) Application, Add	3.23	
02 83 19 13-0045	EA		Hinges, Chemical Stripping Of Lead Contaminated Material.....	19.66	
			For 0.025" (25 mil) Application, Add	1.28	
			For 0.03" (30 mil) Application, Add	2.11	
02 83 19 13-0046	EA		Up To 6" Diameter Hangers, Chemical Stripping Of Lead Contaminated Material.....	24.21	
			For 0.025" (25 mil) Application, Add	1.51	
			For 0.03" (30 mil) Application, Add	2.45	
			For 0.125" (125 mil) Application, Add	15.05	
02 83 19 13-0047	LF		Up To 2" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material	6.77	
			For 0.025" (25 mil) Application, Add	0.49	
			For 0.03" (30 mil) Application, Add	0.83	
			For 0.125" (125 mil) Application, Add	6.19	
02 83 19 13-0048	LF		>2" To 4" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material.....	10.85	
			For 0.025" (25 mil) Application, Add	0.69	
			For 0.03" (30 mil) Application, Add	1.13	
			For 0.125" (125 mil) Application, Add	7.21	
02 83 19 13-0049	LF		>4" To 8" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material.....	19.41	
			For 0.025" (25 mil) Application, Add	1.22	
			For 0.03" (30 mil) Application, Add	1.99	
			For 0.125" (125 mil) Application, Add	12.35	
02 83 19 13-0050	LF		>8" To 12" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material.....	26.59	
			For 0.025" (25 mil) Application, Add	1.63	
			For 0.03" (30 mil) Application, Add	2.63	
			For 0.125" (125 mil) Application, Add	15.65	
02 83 19 13-0051	LF		>12" To 16" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material.....	47.67	
			For 0.025" (25 mil) Application, Add	2.83	
			For 0.03" (30 mil) Application, Add	4.53	
			For 0.125" (125 mil) Application, Add	25.42	
02 83 19 13-0052	SF		>16" Diameter Pipes, Chemical Stripping Of Lead Contaminated Material, SF Of Surface Area	14.23	
			For 0.025" (25 mil) Application, Add	0.82	
			For 0.03" (30 mil) Application, Add	1.30	
			For 0.125" (125 mil) Application, Add	6.80	
02 83 19 13-0053	EA		Up To 12 SF Radiators, Chemical Stripping Of Lead Contaminated Material	282.84	
			For 0.025" (25 mil) Application, Add	15.59	
			For 0.03" (30 mil) Application, Add	24.30	
02 83 19 13-0054	SF		Flat And Raised Panel Wood Shutters, Chemical Stripping Of Lead Contaminated Material.....	19.94	
			For 0.025" (25 mil) Application, Add	1.56	
			For 0.03" (30 mil) Application, Add	2.69	
02 83 19 13-0055	SF		Louvered Wood Shutters, Chemical Stripping Of Lead Contaminated Material	21.81	
			For 0.025" (25 mil) Application, Add	1.65	
			For 0.03" (30 mil) Application, Add	2.83	
02 83 19 13-0056	SF		Siding, Chemical Stripping Of Lead Contaminated Material	11.35	
			For 0.025" (25 mil) Application, Add	0.82	
			For 0.03" (30 mil) Application, Add	1.38	
			For 0.125" (125 mil) Application, Add	10.34	
02 83 19 13-0057	SF		Soffit, Chemical Stripping Of Lead Contaminated Material.....	23.71	
			For 0.025" (25 mil) Application, Add	1.39	
			For 0.03" (30 mil) Application, Add	2.20	
			For 0.125" (125 mil) Application, Add	11.93	
02 83 19 13-0058	SF		Flat Steel Surfaces, Chemical Stripping Of Lead Contaminated Material.....	10.94	
			For 0.025" (25 mil) Application, Add	0.75	
			For 0.03" (30 mil) Application, Add	1.25	
			For 0.125" (125 mil) Application, Add	8.74	
02 83 19 13-0059	SF		Corrugated Steel, Chemical Stripping Of Lead Contaminated Material.....	12.41	
			For 0.025" (25 mil) Application, Add	0.82	
			For 0.03" (30 mil) Application, Add	1.36	
			For 0.125" (125 mil) Application, Add	9.10	
02 83 19 13-0060	SF		Steel Beams and Columns, Chemical Stripping Of Lead Contaminated Material.....	12.38	
			For 0.025" (25 mil) Application, Add	0.82	
			For 0.03" (30 mil) Application, Add	1.35	
			For 0.125" (125 mil) Application, Add	9.10	

02 Existing Conditions**02 80 Facility Remediation****02 83 Lead Remediation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

02 83 19 13-0061	SF	Steel Trusses, Chemical Stripping Of Lead Contaminated Material	17.52
		For 0.025" (25 mil) Application, Add	1.08
		For 0.03" (30 mil) Application, Add	1.74
		For 0.125" (125 mil) Application, Add	10.38
02 83 19 13-0062	SF	Wood Surfaces, Chemical Stripping Of Lead Contaminated Material	12.38
		For 0.025" (25 mil) Application, Add	0.82
		For 0.03" (30 mil) Application, Add	1.35
		For 0.125" (125 mil) Application, Add	9.10
02 83 19 13-0063	SF	Windows (Sash, Sill, Jambs, Casing Trim), One Side, 1/1 Light, Chemical Stripping Of Lead Contaminated Material	28.44
		For 0.025" (25 mil) Application, Add	1.62
		For 0.03" (30 mil) Application, Add	2.56
02 83 19 13-0064	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 2/2 Light, Chemical Stripping Of Lead Contaminated Material	31.12
		For 0.025" (25 mil) Application, Add	1.76
		For 0.03" (30 mil) Application, Add	2.76
02 83 19 13-0065	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 4/4 Light, Chemical Stripping Of Lead Contaminated Material	32.94
		For 0.025" (25 mil) Application, Add	1.85
		For 0.03" (30 mil) Application, Add	2.90
02 83 19 13-0066	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 6/6 Light, Chemical Stripping Of Lead Contaminated Material	34.76
		For 0.025" (25 mil) Application, Add	1.94
		For 0.03" (30 mil) Application, Add	3.03
02 83 19 13-0067	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 8/8 Light Chemical Stripping Of Lead Contaminated Material	36.58
		For 0.025" (25 mil) Application, Add	2.03
		For 0.03" (30 mil) Application, Add	3.17
02 83 19 13-0068	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 10/10 Light, Chemical Stripping Of Lead Contaminated Material	38.46
		For 0.025" (25 mil) Application, Add	2.12
		For 0.03" (30 mil) Application, Add	3.31
02 83 19 13-0069	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 12/12 light Chemical Stripping Of Lead Contaminated Material	40.23
		For 0.025" (25 mil) Application, Add	2.21
		For 0.03" (30 mil) Application, Add	3.44
02 83 19 13-0070	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 14/14 Light, Chemical Stripping Of Lead Contaminated Material	41.14
		For 0.025" (25 mil) Application, Add	2.26
		For 0.03" (30 mil) Application, Add	3.51
02 83 19 13-0071	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 16/16 Light Chemical Stripping Of Lead Contaminated Material	42.07
		For 0.025" (25 mil) Application, Add	2.30
		For 0.03" (30 mil) Application, Add	3.58
02 83 19 13-0072	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 20/20 Light, Chemical Stripping Of Lead Contaminated Material	42.95
		For 0.025" (25 mil) Application, Add	2.35
		For 0.03" (30 mil) Application, Add	3.65
02 83 19 13-0073	SF	Metal Stairs, Chemical Stripping Of Lead Contaminated Material	56.78
		For 0.025" (25 mil) Application, Add	3.24
		For 0.03" (30 mil) Application, Add	5.11
		For 0.125" (125 mil) Application, Add	26.20
02 83 19 13-0074	LF	Metal Single Hand Rail, Chemical Stripping Of Lead Contaminated Material	9.88
		For 0.025" (25 mil) Application, Add	0.64
		For 0.03" (30 mil) Application, Add	1.06
		For 0.125" (125 mil) Application, Add	6.97
02 83 19 13-0075	SF	Metal Railing And Posts, Chemical Stripping Of Lead Contaminated Material	28.89
		Note: The unit of measure "SF" is measured for 'Length x Height'. Work includes both sides of railing.	
		For 0.025" (25 mil) Application, Add	1.74
		For 0.03" (30 mil) Application, Add	2.80
		For 0.125" (125 mil) Application, Add	16.22
02 83 19 13-0076	SF	Metal Picket Fence, Chemical Stripping Of Lead Contaminated Material	31.56
		For 0.025" (25 mil) Application, Add	1.83
		For 0.03" (30 mil) Application, Add	2.90
		For 0.125" (125 mil) Application, Add	15.39

02 83 19 13-0077 Mechanical Stripping Of Lead Contaminated Material (02 83 19 13)

Note: Includes heat gun (where required) for follow up, waste handling, packing and all personnel blood work, lab test fees and monitoring.

02 83 19 13-0078	SF	Grind Flat Steel Surfaces, Mechanical Stripping Of Lead Contaminated Material	19.26
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02 83 19 13-0079 Demolish Lead Contaminated Material (02 83 19 13)

Note: Includes waste handling, packing, all personnel blood work, lab test fees and monitoring. Industrial coatings often contain other hazardous ingredients in addition to or in place of lead. These might include, but are not be limited to, chromium, cadmium and mercury.

02 83 19 13-0080	SF	Demolish Ceiling Suspension System, Lead Contaminated Material	2.49
02 83 19 13-0081	SF	Demolish Suspended Ceiling System And Tile, Lead Contaminated Material	1.45
02 83 19 13-0082	SF	Demolish Acoustical Ceiling Tile, Lead Contaminated Material	0.93
02 83 19 13-0083	SF	Demolish Metal Pan Grid System, Lead Contaminated Material	1.44
02 83 19 13-0084	EA	Demolish Ceiling And Recessed Light Fixtures, Lead Contaminated Material	69.51
02 83 19 13-0085	EA	Demolish >2' x 4' Light Fixtures, Lead Contaminated Material	92.21
02 83 19 13-0086	SF	Demolish Non-Load Bearing Partitions Of Plaster Or Stucco, Lath And Studs, Lead Contaminated Material	10.29
02 83 19 13-0087	SF	Demolish Non-Load Bearing Partitions Of Gypsum Board And Studs, Lead Contaminated Material	5.77
02 83 19 13-0088	SF	Demolish Brick, Lead Contaminated Material	4.34
02 83 19 13-0089	SF	Demolish Concrete Block, Lead Contaminated Material	5.59
02 83 19 13-0090	SF	Demolish Tile, Lead Contaminated Material	4.21
02 83 19 13-0091	SF	Demolish Up To 6" Concrete, Lead Contaminated Material	6.33

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0092	IN	Drilling, Up To 1/2" Diameter In Lead Paint/Asbestos Material Per Inch Of Depth	4.94	
02 83 19 13-0093	IN	Drilling, >1/2" To 1" Diameter In Lead Paint/Asbestos Material Per Inch Of Depth	6.58	
02 83 19 13-0094	LF	Demolish Wood Balustrades And Railings, Lead Contaminated Material.....	7.20	
02 83 19 13-0095	LF	Demolish Up To 6" Wide Baseboard, Lead Contaminated Material	1.88	
02 83 19 13-0096	LF	Demolish >6" To 12" Wide Baseboard, Lead Contaminated Material.....	2.34	
02 83 19 13-0097	LF	Demolish Base Shoe Molding, Lead Contaminated Material.....	1.53	
02 83 19 13-0098	SF	Demolish Concrete, Lead Contaminated Material	14.33	
02 83 19 13-0099	LF	Demolish Cabinets, Lead Contaminated Material	33.39	
02 83 19 13-0100	SF	Demolish Ceilings, Gypsum Board, Lead Contaminated Material	1.89	
02 83 19 13-0101	SF	Demolish Up To 12" Diameter Columns, Lead Contaminated Material	18.50	
02 83 19 13-0102	SF	Demolish Cornice, Lead Contaminated Material	2.46	
02 83 19 13-0103	EA	Demolish Doors, Lead Contaminated Material	72.45	
02 83 19 13-0104	LF	Demolish Door And Window Wood Trim Or Wood Frames, Lead Contaminated Material	2.20	
02 83 19 13-0105	EA	Demolish Electrical Devices, Lead Contaminated Material.....	22.23	
02 83 19 13-0106	LF	Demolish Up To 1" Diameter Electrical Conduit, Lead Contaminated Material.....	2.86	
02 83 19 13-0107	LF	Demolish >1" To 2" Diameter Electrical Conduit, Lead Contaminated Material.....	4.75	
02 83 19 13-0108	SF	Demolish Wood Floors, Lead Contaminated Material.....	3.42	
02 83 19 13-0109	SF	Demolish Grilles, Lead Contaminated Material.....	4.02	
02 83 19 13-0110	EA	Demolish Hinges, Lead Contaminated Material.....	8.08	
02 83 19 13-0111	EA	Demolish Up To 6" Diameter Hangers, Lead Contaminated Material.....	17.36	
02 83 19 13-0112	LF	Demolish Up To 2" Diameter Pipes, Lead Contaminated Material	7.12	
02 83 19 13-0113	LF	Demolish >2" To 4" Diameter Pipes, Lead Contaminated Material.....	10.39	
02 83 19 13-0114	LF	Demolish >4" To 8" Diameter Pipes, Lead Contaminated Material.....	15.69	
02 83 19 13-0115	LF	Demolish >8" To 12" Diameter Pipes, Lead Contaminated Material.....	28.95	
02 83 19 13-0116	EA	Demolish Radiators, Lead Contaminated Material.....	125.05	
02 83 19 13-0117	EA	Demolish Shutters, Lead Contaminated Material.....	48.73	
02 83 19 13-0118	SF	Demolish Siding, Lead Contaminated Material	1.93	
02 83 19 13-0119	SF	Demolish Soffit, Lead Contaminated Material.....	1.65	
02 83 19 13-0120	SF	Demolish Flat Steel Surfaces, Lead Contaminated Material.....	4.50	
02 83 19 13-0121	SF	Demolish Steel Beams, Lead Contaminated Material.....	5.31	
02 83 19 13-0122	SF	Demolish Trusses, Lead Contaminated Material	6.96	
02 83 19 13-0123	SF	Demolish Walls, Wood, Lead Contaminated Material.....	5.15	
02 83 19 13-0124	SF	Demolish Windows, Lead Contaminated Material	17.30	
02 83 19 13-0125	SF	Demolish Metal Stair, Lead Contaminated Material	8.28	
02 83 19 13-0126	LF	Demolish Single Metal Hand Rail, Lead Contaminated Material	6.09	
02 83 19 13-0127	LF	Demolish Metal Railing And Posts, Lead Contaminated Material.....	9.94	
02 83 19 13-0128	SF	Demolish Metal Picket Fence, Lead Contaminated Material	2.73	
02 83 19 13-0129	SF	Demolish Plywood, Lead Contaminated Material	7.48	
02 83 19 13-0130	SF	Demolish Planks (Various Sizes), Lead Contaminated Material.....	3.65	
02 83 19 13-0131	EA	Demolish Metal Brackets Or Other Small Metal Shapes, Lead Contaminated Material.....	22.82	
02 83 19 13-0132	SF	Demolish Ceramic Tile Block, Lead Contaminated Material	4.98	
02 83 19 13-0133	LF	Demolish Metal Guard Rails, Lead Contaminated Material	13.69	
02 83 19 13-0134	LF	Demolish Roof Metal Trim, Lead Contaminated Material	2.92	
02 83 19 13-0135	SF	Demolish Up To 100 SF Gypsum Wall Board, Lead Contaminated Material.....	7.30	
02 83 19 13-0136	SF	Demolish >100 To 500 SF Gypsum Wall Board, Lead Contaminated Material	5.25	
02 83 19 13-0137	SF	Demolish >500 To 2,500 SF Gypsum Wall Board, Lead Contaminated Material	4.10	
02 83 19 13-0138	SF	Demolish >2,500 SF Gypsum Wall Board, Lead Contaminated Material.....	3.20	
02 83 19 13-0139	SF	Demolish Up To 100 SF Plaster/Stucco, Lead Contaminated Material..... Note: Includes lath on plaster and backing insulation on stucco.	22.82	
02 83 19 13-0140	SF	Demolish >100 To 500 SF Plaster/Stucco, Lead Contaminated Material	16.23	
		Note: Includes lath on plaster and backing insulation on stucco.		
02 83 19 13-0141	SF	Demolish >500 To 2,500 SF Plaster/Stucco, Lead Contaminated Material	12.17	
		Note: Includes lath on plaster and backing insulation on stucco.		
02 83 19 13-0142	SF	Demolish >2,500 To 10,000 SF Plaster/Stucco, Lead Contaminated Material	9.13	
		Note: Includes lath on plaster and backing insulation on stucco.		
02 83 19 13-0143	LF	Demolish Rain Gutters, Lead Contaminated Material.....	5.02	
02 83 19 13-0144	LF	Demolish Downspouts, Lead Contaminated Material	4.10	
02 83 19 13-0145	SF	Demolish Corrugated Metal Roofing, Lead Contaminated Material.....	5.06	
02 83 19 13-0146	LF	Demolish Roof Metal Flashing, Lead Contaminated Material	2.92	
02 83 19 13-0147	LF	Demolish Fascia Board Up To 12", Lead Contaminated Material	7.30	
02 83 19 13-0148		Wet Sanding/Light Scraping Of Lead Contaminated Material (02 83 19 13)		
		Note: Remove loose, flaking lead-based paint to prepare for painting.		
02 83 19 13-0149	SF	Wet Sand/Scrape Of Lead Contaminated Material To Prepare For Painting.....	3.48	
02 83 19 13-0150		Lead Abatement Encapsulation (02 83 19 13)		
		Note: Can also be used for asbestos contaminated encapsulation. Spray applied application unless task described otherwise.		
02 83 19 13-0151	SF	Balustrades, Lead Abatement Encapsulation	6.35	
02 83 19 13-0152	LF	Up To 6" Wide, Baseboard, Lead Abatement Encapsulation	6.26	
02 83 19 13-0153	LF	>6" To 12" Wide, Baseboard, Lead Abatement Encapsulation.....	8.52	
02 83 19 13-0154	SF	Brick, Concrete Block, Concrete, Lead Abatement Encapsulation	4.11	
02 83 19 13-0155	SF	Ornate Cabinets, Lead Abatement Encapsulation	9.17	
02 83 19 13-0156	SF	Simple Design Cabinets, Lead Abatement Encapsulation.....	7.48	
02 83 19 13-0157	SF	Drywall Ceilings, Lead Abatement Encapsulation	2.60	
02 83 19 13-0158	SF	Wood Ceilings, Lead Abatement Encapsulation.....	3.14	
02 83 19 13-0159	SF	Acoustical And Popcorn Ceilings, Lead Abatement Encapsulation	2.91	
02 83 19 13-0160	SF	Columns, Lead Abatement Encapsulation	4.95	
02 83 19 13-0161	SF	Doors, Lead Abatement Encapsulation	9.39	
02 83 19 13-0162	LF	Up To 2" Electrical Conduit, Lead Abatement Encapsulation	4.15	
02 83 19 13-0163	SF	Picket Fence (Brush), Lead Abatement Encapsulation.....	2.98	
02 83 19 13-0164	SF	Wood Floors (Roller), Lead Abatement Encapsulation.....	2.49	
02 83 19 13-0165	SF	Grilles, Vents, Lead Abatement Encapsulation.....	6.85	
02 83 19 13-0166	LF	Gutters And Downspouts, Lead Abatement Encapsulation	6.35	

02 Existing Conditions**02 80 Facility Remediation****02 83 Lead Remediation**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 83 19 13-0167	EA	Hangers, Lead Abatement Encapsulation.....	53.78
02 83 19 13-0168	LF	Up To 4" Diameter Pipe (Brush), Lead Abatement Encapsulation.....	3.87
02 83 19 13-0169	LF	>4" To 8" Diameter Pipe (Brush), Lead Abatement Encapsulation.....	5.58
02 83 19 13-0170	LF	>8" To 12" Diameter Pipe (Brush), Lead Abatement Encapsulation.....	8.67
02 83 19 13-0171	LF	>12" To 16" Diameter Pipe (Brush), Lead Abatement Encapsulation.....	12.81
02 83 19 13-0172	EA	Radiators, Lead Abatement Encapsulation.....	140.22
02 83 19 13-0173	EA	Up To 6' Shutters, Lead Abatement Encapsulation.....	199.81
02 83 19 13-0174	SF	Siding, Lead Abatement Encapsulation.....	3.54
02 83 19 13-0175	SF	Up To 12" Soffit, Lead Abatement Encapsulation.....	4.95
02 83 19 13-0176	SF	Steel, Flat Surfaces And Tanks Up To 12', Lead Abatement Encapsulation.....	4.11
02 83 19 13-0177	SF	Steel Beams And Metal Decks, Lead Abatement Encapsulation.....	5.35
02 83 19 13-0178	SF	Trusses, Lead Abatement Encapsulation.....	5.35
02 83 19 13-0179	SF	Drywall Walls, Lead Abatement Encapsulation.....	2.31
02 83 19 13-0180	SF	Wood Walls, Lead Abatement Encapsulation.....	2.83
02 83 19 13-0181	EA	Window Without Grille, Lead Abatement Encapsulation.....	118.96
02 83 19 13-0182	EA	Window With Grille, Lead Abatement Encapsulation.....	152.83
02 83 19 13-0183	LF	Wood Door Frames And Trim, Lead Abatement Encapsulation.....	3.63
02 83 19 13-0184	LF	Steel Lintels, Lead Abatement Encapsulation.....	4.17

02 83 19 13-0185 Hazardous Lead-Based Paint Remediation Disposal (02 83 19 13)

02 83 19 13-0186	EA	Hazardous Lead-Based Paint Remediation Disposal At Approved Site, Up To 20 CY Dumpster.....	7,745.50
Note: Includes handling of material and disposal at approved site.			
02 83 19 13-0187	EA	Hazardous Lead-Based Paint Remediation Disposal At Approved Site, Up To 25 Gallons.....	619.64
Note: Includes handling of material and disposal at approved site.			

02 83 33 Removal and Disposal of Material Containing Lead (02 83)**02 83 33 13 Lead-Based Paint Removal and Disposal (02 83 33)****02 83 33 13-0001 Remove Loose Dirt And Debris Containing Lead (02 83 33 13)**

02 83 33 13-0002	SF	High Efficiency Particulate Air (HEPA) Vacuum And Wet Cleaning Of Lead Contaminated Area With Mild Detergent.....	0.29
02 83 33 13-0003	SF	High Efficiency Particulate Air (HEPA) Vacuum And Wet Cleaning Of Lead Contaminated Area With Tri-Sodium Phosphate.....	0.29
02 83 33 13-0004	SF	High Efficiency Particulate Air (HEPA) Vacuum And Shampoo Cleaning Of Lead Contaminated Carpeting.....	1.44

02 84 Polychlorinated Biphenyl Remediation (02 80)**02 84 16 Handling of Lighting Ballasts and Lamps Containing PBCs and Mercury (02 84)****02 84 16 00-0001 Removal Of TSCA-Exempt PCB And Non-PCB Ballasts From Demolished Fixtures (02 84 16)**

Note: Includes removal of TSCA-exempt PCB and Non-PCB ballast from demolished lighting fixture and placing ballast in an approved container for recycling.

02 84 16 00-0002	EA	Removal Of TSCA-Exempt Polychlorinated Biphenyl (PCB) And Non-PCB Ballast From A Demolished Fixture For Recycling.....	9.41
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02 84 16 00-0003 Recycle TSCA-Exempt PCB And Non-PCB Ballasts (02 84 16)

Note: Non-leaking ballasts. Includes containers, shipping costs and recycling fees. Excludes ballast removal.

02 84 16 00-0004	EA	Recycle Non-Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures.....	3.31
02 84 16 00-0005	EA	Recycle Non-Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures.....	4.21
02 84 16 00-0006	EA	Recycle TSCA-Exempt Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures.....	9.96
02 84 16 00-0007	EA	Recycle TSCA-Exempt Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures.....	20.84

02 84 16 00-0008 Disposal Of Leaking PCB And Non-PCB Ballasts (02 84 16)

Note: Disposal at an EPA approved facility. Includes containers, shipping costs and disposal fees. Excludes ballast removal.

02 84 16 00-0009	EA	Dispose Of Leaking Non-Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures.....	6.03
02 84 16 00-0010	EA	Dispose Of Leaking Non-Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures.....	8.30
02 84 16 00-0011	EA	Dispose Of Leaking Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures.....	25.59
02 84 16 00-0012	EA	Dispose Of Leaking Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures.....	49.70

02 84 33 Removal and Disposal of Polychlorinated Biphenyls (02 84)**02 84 33 00-0001 Removal And Disposal Of Polychlorinated Biphenyls Oil Filled Transformers (02 84 33)**

Note: Includes disposal in approved container, rigging, manifesting, hauling, etc.

02 84 33 00-0002	EA	Removal And Disposal Of Transformers 2.5/3.5 KVA, Non-Polychlorinated Biphenyl (PCB).....	5,204.24
Note: Includes disposal costs.			
02 84 33 00-0003	EA	Removal And Disposal Of Transformers 20 KVA, Non-Polychlorinated Biphenyl (PCB).....	8,219.52
Note: Includes disposal costs.			
02 84 33 00-0004	EA	Removal And Disposal Of Switch, Non-Polychlorinated Biphenyl (PCB).....	2,149.53
02 84 33 00-0005	EA	Removal And Disposal Of Transformers 2.5/3.5 KVA, Polychlorinated Biphenyl (PCB).....	10,006.31
Note: Includes disposal costs.			
02 84 33 00-0006	EA	Removal And Disposal Of Switch, Polychlorinated Biphenyl (PCB).....	3,884.34
02 84 33 00-0007	EA	Removal And Disposal Of Transformers 20 KVA, Polychlorinated Biphenyl (PCB).....	15,849.15
Note: Includes disposal costs.			

02 87 Bio-Hazard Material Remediation (02 80)

02 87 13 Mold Remediation (02 87)

Note: All unit pricing in this section includes: materials, equipment, mobilization, preparation, removal, clean-up, vacuuming, transportation for up to 25 miles, disposal, monitoring (personnel and air), sampling/testing, fees, documentation and other associated costs necessary for the complete removal and disposal of mold in accordance with EPA, OSHA, IICRC standards and local regulations. Where types of Mold are listed by quantity, the quantity of the entire project, not a particular work area of building, is to be used in determining which tasks apply. For certain types of work, there is a task with a unit of measure of SET for a quantity of less than 100 LF or SF (Up to 25 LF for Mold Abatement pipe insulation), followed by a series of tasks for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project. See CSI section 01 56 16 00-0033 for temporary stud walls, 01 74 19 00-0045 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0008 for plastic sheeting for containment construction, 02 89 00 00-0018 for decontamination chambers.

02 87 13 33 Removal and Disposal of Materials with Mold (02 87 13)

02 87 13 33-0001 Pipe And Pipe Fittings Insulation, Mold Abatement And Disposal (02 87 13 33)

Note: Treat fittings as additional lf of insulation.

02 87 13 33-0002 Pipe Insulation, Mold Abatement And Disposal (02 87 13 33-0001)

Note: Diameter is outer size of insulation.

02 87 13 33-0003 Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal (02 87 13 33-0002)

Note: Excludes encased fittings.

02 87 13 33-0004	SET	Up To 20 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	826.25
02 87 13 33-0005	LF	>20 To 250 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	32.20
02 87 13 33-0006	LF	>250 To 500 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	24.42
02 87 13 33-0007	LF	>500 To 2,500 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	18.60
02 87 13 33-0008	LF	>2,500 To 10,000 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	14.23
02 87 13 33-0009	LF	>10,000 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	12.51

02 87 13 33-0010 >6" Diameter Pipe Insulation, Mold Abatement And Disposal (02 87 13 33-0002)

02 87 13 33-0011	SET	Up To 20 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	892.89
02 87 13 33-0012	LF	>20 To 250 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	40.19
02 87 13 33-0013	LF	>250 To 500 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	31.25
02 87 13 33-0014	LF	>500 To 2,500 LF, > 6" Diameter Pipe Insulation, Mold Abatement And Disposal	24.55
02 87 13 33-0015	LF	>2,500 To 10,000 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	19.52
02 87 13 33-0016	LF	>10,000 LF, > 6" Diameter Pipe Insulation, Mold Abatement And Disposal	17.56

02 87 13 33-0017 Thermal Insulation, Mold Abatement And Disposal (02 87 13 33)

02 87 13 33-0018 Other Thermal Insulation, Up To 3" Thick, Mold Abatement And Disposal (02 87 13 33-0017)

02 87 13 33-0019	SET	Up To 50 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	859.57
02 87 13 33-0020	SF	>50 To 500 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	18.98
02 87 13 33-0021	SF	>500 To 2,500 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	14.52
02 87 13 33-0022	SF	>2,500 To 10,000 SF, Up To 3" Thick Other Thermal Insulation, Mold Abatement And Disposal	11.16
02 87 13 33-0023	SF	>10,000 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	8.81

02 87 13 33-0024 Surfacing Material, Mold Abatement And Disposal (02 87 13 33)

Note: e.g. fireproofing, acoustical plaster, etc.

02 87 13 33-0025 Stucco, Mold Abatement And Disposal (02 87 13 33-0024)

Note: Remove surface coat from brown coat or remove entire assembly, including lath.

02 87 13 33-0026	SET	Up To 50 SF, Stucco, Mold Abatement And Disposal	841.06
02 87 13 33-0027	SF	>50 To 500 SF, Stucco, Mold Abatement And Disposal	18.61
02 87 13 33-0028	SF	>500 To 2,500 SF, Stucco, Mold Abatement And Disposal	14.15
02 87 13 33-0029	SF	>2,500 To 10,000 SF, Stucco, Mold Abatement And Disposal	10.79
02 87 13 33-0030	SF	>10,000 SF, Stucco, Mold Abatement And Disposal	8.29

02 87 13 33-0031 Acoustical Plaster, Mold Abatement And Disposal (02 87 13 33-0024)

Note: Remove surface coat from brown coat or remove entire assembly, including lath.

02 87 13 33-0032	SET	Up To 50 SF, Acoustical Plaster, Mold Abatement And Disposal	841.06
02 87 13 33-0033	SF	>50 To 500 SF, Acoustical Plaster, Mold Abatement And Disposal	18.61
02 87 13 33-0034	SF	>500 To 2,500 SF, Acoustical Plaster, Mold Abatement And Disposal	14.15
02 87 13 33-0035	SF	>2,500 To 10,000 SF, Acoustical Plaster, Mold Abatement And Disposal	10.79
02 87 13 33-0036	SF	>10,000 SF, Acoustical Plaster, Mold Abatement And Disposal	8.29

02 87 13 33-0037 Gypsum Board, Mold Abatement And Disposal (02 87 13 33-0024)

02 87 13 33-0038	SET	Up To 100 SF, Gypsum Board, Mold Abatement And Disposal	878.10
02 87 13 33-0039	SF	>100 To 500 SF, Gypsum Board, Mold Abatement And Disposal	6.52
02 87 13 33-0040	SF	>500 To 2,500 SF, Gypsum Board, Mold Abatement And Disposal	5.27
02 87 13 33-0041	SF	>2,500 To 10,000 SF, Gypsum Board, Mold Abatement And Disposal	4.26
02 87 13 33-0042	SF	>10,000 SF, Gypsum Board, Mold Abatement And Disposal	3.25

02 87 13 33-0043 Fireproofing, Mold Abatement And Disposal (02 87 13 33-0024)

Note: Exposed surface area, includes associated overspray.

02 87 13 33-0044	SET	Up To 50 SF, Fireproofing, Mold Abatement And Disposal	859.57
02 87 13 33-0045	SF	>50 To 500 SF, Fireproofing, Mold Abatement And Disposal	25.74
02 87 13 33-0046	SF	>500 To 2,500 SF, Fireproofing, Mold Abatement And Disposal	19.60
02 87 13 33-0047	SF	>2,500 To 10,000 SF, Fireproofing, Mold Abatement And Disposal	14.98
02 87 13 33-0048	SF	>10,000 SF, Fireproofing, Mold Abatement And Disposal	11.51

02 Existing Conditions**02 80 Facility Remediation****02 87 Bio-Hazard Material Remediation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

02 87 13 33-0049	Flooring, Mold Abatement And Disposal (02 87 13 33)	
	Note: Includes cove base.	
02 87 13 33-0050	Floor Tile Or Linoleum, Mold Abatement And Disposal (02 87 13 33-0049)	
02 87 13 33-0051	Floor Tile Or Linoleum, Mold Abatement And Disposal (02 87 13 33-0050)	
	Note: Single layer or first of multiple layers.	
02 87 13 33-0052	SET Up To 100 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal.....	878.10
02 87 13 33-0053	SF >100 To 500 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal.....	6.49
	For Each Additional Layer, Add	1.62
02 87 13 33-0054	SF >500 To 2,500 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal.....	3.83
	For Each Additional Layer, Add	0.96
02 87 13 33-0055	SF >2,500 To 10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal.....	2.42
	For Each Additional Layer, Add	0.61
02 87 13 33-0056	SF >10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal.....	1.98
	For Each Additional Layer, Add	0.50
02 87 13 33-0057	Carpet, Mold Abatement And Disposal (02 87 13 33-0049)	
02 87 13 33-0058	Carpet, Glue Down, Mold Abatement And Disposal (02 87 13 33-0057)	
02 87 13 33-0059	SET Up To 100 SF, Carpet, Glue Down, Mold Abatement And Disposal.....	878.10
02 87 13 33-0060	SF >100 To 500 SF, Carpet, Glue Down, Mold Abatement And Disposal.....	5.47
02 87 13 33-0061	SF >500 To 2,500 SF, Carpet, Glue Down, Mold Abatement And Disposal.....	3.61
02 87 13 33-0062	SF >2,500 To 10,000 SF, Carpet, Glue Down, Mold Abatement And Disposal.....	2.57
02 87 13 33-0063	SF >10,000 SF, Carpet, Glue Down, Mold Abatement And Disposal.....	2.08
02 87 13 33-0064	Carpet, Padded With Tack Strips, Mold Abatement And Disposal (02 87 13 33-0057)	
02 87 13 33-0065	SET Up To 100 SF, Carpet And Pad, Mold Abatement And Disposal.....	878.10
	Note: Includes tack strips.	
02 87 13 33-0066	SF >100 To 500 SF, Carpet And Pad, Mold Abatement And Disposal.....	6.10
	Note: Includes tack strips.	
02 87 13 33-0067	SF >500 To 2,500 SF, Carpet And Pad, Mold Abatement And Disposal.....	4.57
	Note: Includes tack strips.	
02 87 13 33-0068	SF >2,500 To 10,000 SF, Carpet And Pad, Mold Abatement And Disposal.....	3.71
	Note: Includes tack strips.	
02 87 13 33-0069	SF >10,000 SF, Carpet And Pad, Mold Abatement And Disposal.....	2.98
	Note: Includes tack strips.	
02 87 13 33-0070	Subflooring, Mold Abatement And Disposal (02 87 13 33-0049)	
02 87 13 33-0071	SET Up To 75 SF, Subflooring, Mold Abatement And Disposal.....	859.57
02 87 13 33-0072	SF >75 To 500 SF, Subflooring, Mold Abatement And Disposal.....	7.39
02 87 13 33-0073	SF >500 To 2,500 SF, Subflooring, Mold Abatement And Disposal.....	4.90
02 87 13 33-0074	SF >2,500 To 10,000 SF, Subflooring, Mold Abatement And Disposal.....	3.14
02 87 13 33-0075	SF >10,000 SF, Subflooring, Mold Abatement And Disposal.....	2.17
02 87 13 33-0076	Siding, Mold Abatement And Disposal (02 87 13 33)	
02 87 13 33-0077	Interior Paneling, Mold Abatement And Disposal (02 87 13 33-0076)	
	Note: Includes detachment of mounted objects before removal.	
02 87 13 33-0078	SET Up To 100 SF, Interior Paneling, Mold Abatement And Disposal.....	878.10
	Note: Includes detachment of mounted objects before removal.	
02 87 13 33-0079	SF >100 To 500 SF, Interior Paneling, Mold Abatement And Disposal.....	6.46
	Note: Includes detachment of mounted objects before removal.	
02 87 13 33-0080	SF >500 To 2,500 SF, Interior Paneling, Mold Abatement And Disposal.....	4.68
	Note: Includes detachment of mounted objects before removal.	
02 87 13 33-0081	SF >2,500 To 10,000 SF, Interior Paneling, Mold Abatement And Disposal.....	2.92
	Note: Includes detachment of mounted objects before removal.	
02 87 13 33-0082	SF >10,000 SF, Interior Paneling, Mold Abatement And Disposal.....	2.34
	Note: Includes detachment of mounted objects before removal.	
02 87 13 33-0083	Exterior Siding, Mold Abatement And Disposal (02 87 13 33-0076)	
02 87 13 33-0084	SET Up To 100 SF, Exterior Siding Board, Mold Abatement And Disposal.....	878.10
02 87 13 33-0085	SF >100 To 500 SF, Exterior Siding Board, Mold Abatement And Disposal.....	7.92
02 87 13 33-0086	SF >500 To 2,500 SF, Exterior Siding Board, Mold Abatement And Disposal.....	5.64
02 87 13 33-0087	SF >2,500 To 10,000 SF, Exterior Siding Board, Mold Abatement And Disposal.....	3.96
02 87 13 33-0088	SF >10,000 SF, Exterior Siding Board, Mold Abatement And Disposal.....	3.61
02 87 13 33-0089	Contaminated Debris, Mold Abatement And Disposal (02 87 13 33)	
02 87 13 33-0090	Contaminated Debris, Mold Abatement And Disposal (02 87 13 33-0089)	
02 87 13 33-0091	SET Up To 20 CF, Contaminated Debris, Mold Abatement And Disposal.....	892.89
02 87 13 33-0092	CF >20 To 100 CF, Contaminated Debris, Mold Abatement And Disposal.....	32.25
02 87 13 33-0093	CF >100 To 250 CF, Contaminated Debris, Mold Abatement And Disposal.....	22.98
02 87 13 33-0094	CF >250 To 500 CF, Contaminated Debris, Mold Abatement And Disposal.....	18.35
02 87 13 33-0095	CF >500 To 2,500 CF, Contaminated Debris, Mold Abatement And Disposal.....	15.57
02 87 13 33-0096	CF >2,500 To 10,000 CF, Contaminated Debris, Mold Abatement And Disposal.....	10.52
02 87 13 33-0097	CF >10,000 CF, Contaminated Debris, Mold Abatement And Disposal.....	9.90

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 87 13 33-0098	Other Mold Containing Materials, Mold Abatement And Disposal (02 87 13 33)	
02 87 13 33-0099	Wood Studs, Mold Abatement And Disposal (02 87 13 33-0098) Note: 2" x 4" or 2" x 6" exposed studs in walls. Excludes surfacing material.	
02 87 13 33-0100	SET Up To 100 LF, Wood Studs, Mold Abatement And Disposal	439.02
02 87 13 33-0101	LF >100 To 500 LF, Wood Studs, Mold Abatement And Disposal	3.61
02 87 13 33-0102	LF >500 To 2,500 LF, Wood Studs, Mold Abatement And Disposal	2.75
02 87 13 33-0103	LF >2,500 To 10,000 LF, Wood Studs, Mold Abatement And Disposal	2.19
02 87 13 33-0104	LF >10,000 LF, Wood Studs, Mold Abatement And Disposal	1.72
02 87 13 33-0105	Ceiling Tile, Mold Abatement And Disposal (02 87 13 33-0098) Note: e.g. grid, spline, or glued on; 12" x 12" to 2' x 4'.	
02 87 13 33-0106	SET Up To 100 SF, Ceiling Tile, Mold Abatement And Disposal	878.10
02 87 13 33-0107	SF >100 To 1,000 SF, Ceiling Tile, Mold Abatement And Disposal	10.79
02 87 13 33-0108	SF >1,000 To 2,500 SF, Ceiling Tile, Mold Abatement And Disposal	5.32
02 87 13 33-0109	SF >2,500 To 10,000 SF, Ceiling Tile, Mold Abatement And Disposal	3.96
02 87 13 33-0110	SF >10,000 To 25,000 SF, Ceiling Tile, Mold Abatement And Disposal	3.91
02 87 13 33-0111	SF >25,000 To 50,000 SF, Ceiling Tile, Mold Abatement And Disposal	3.83
02 87 13 33-0112	SF >50,000 To 100,000 SF, Ceiling Tile, Mold Abatement And Disposal	3.43
02 87 13 33-0113	SF >100,000 SF, Ceiling Tile, Mold Abatement And Disposal	3.04
02 87 13 33-0114	Caulking, Mold Abatement And Disposal (02 87 13 33-0098)	
02 87 13 33-0115	SET Up To 20 LF, Caulking, Mold Abatement And Disposal	202.24
02 87 13 33-0116	LF >20 To 50 LF, Caulking, Mold Abatement And Disposal	4.08
02 87 13 33-0117	LF >50 To 100 LF, Caulking, Mold Abatement And Disposal	2.93
02 87 13 33-0118	LF >100 To 250 LF, Caulking, Mold Abatement And Disposal	2.23
02 87 13 33-0119	LF >250 To 1,000 LF, Caulking, Mold Abatement And Disposal	1.66
02 87 13 33-0120	LF >1,000 To 2,500 LF, Caulking, Mold Abatement And Disposal	1.35
02 87 13 33-0121	LF >2,500 LF, Caulking, Mold Abatement And Disposal	1.17
02 87 13 33-0122	Wipe Down Walls, Ceilings And Floors (02 87 13 33-0098)	
02 87 13 33-0123	CSF Wipe Down Floors With Mild Bleach Solution	22.35
	For >25 To 50, Deduct	-2.23
	For >50 To 200, Deduct	-5.59
	For >200, Deduct	-8.94
02 87 13 33-0124	CSF Wipe Down Walls With Mild Bleach Solution	26.29
	For >25 To 50, Deduct	-2.63
	For >50 To 200, Deduct	-6.57
	For >200, Deduct	-10.51
02 87 13 33-0125	CSF Wipe Down Ceilings With Mild Bleach Solution	29.90
	For >25 To 50, Deduct	-2.99
	For >50 To 200, Deduct	-7.47
	For >200, Deduct	-11.96
02 87 13 33-0126	CSF Wipe Down Countertops With Mild Bleach Solution	24.37
	For >25 To 50, Deduct	-2.44
02 87 13 33-0127	CSF Wipe Down Other Surfaces With Mild Bleach Solution	30.93
	For >25 To 50, Deduct	-3.09
	For >50 To 200, Deduct	-7.73
	For >200, Deduct	-12.37
02 87 13 33-0128	Cabinets (02 87 13 33-0098)	
02 87 13 33-0129	SET Up To 10 LF, Base Cabinet, Mold Abatement And Disposal	1,044.35
02 87 13 33-0130	LF >10 To 20 LF, Base Cabinet, Mold Abatement And Disposal	109.30
02 87 13 33-0131	LF >20 LF, Base Cabinet, Mold Abatement And Disposal	84.99
02 87 13 33-0132	SET Up To 10 LF, Wall Cabinet, Mold Abatement And Disposal	911.05
02 87 13 33-0133	LF >10 To 20 LF, Wall Cabinet, Mold Abatement And Disposal	86.25
02 87 13 33-0134	LF >20 LF, Wall Cabinet, Mold Abatement And Disposal	61.94

02 87 16 Excrement Removal (02 87)
 Note: Includes materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, clean-up, vacuuming, disposal, personnel health monitoring, documentation and other associated costs necessary for the complete removal and disposal of the contaminated material in accordance with EPA and local regulations. The quantity of the entire project, not a particular work area, is to be used in determining which tasks apply. There is a task with a unit of measure of EA for a quantity of less than 10 SF, followed by a series of tasks for additional quantities. For those tasks, the contractor will be paid the first task with a unit of measure of EA, plus each additional task in sequence to arrive at the total quantity for the entire project, not a particular work area.

02 87 16 13	Bird Excrement Removal (02 87 16)	
02 87 16 13-0001	Bird Waste Removal (02 87 16 13) Note: In addition to items listed the Bio-Hazard Material Remediation note above, includes wetting agents and disinfection of contaminated surfaces.	
02 87 16 13-0002	EA Up To 10 SF Bird Waste Removal, Up To 3" Thickness	804.03
	For Work In Restricted Working Space, Add	241.21
02 87 16 13-0003	SF >10 To 500 SF Bird Waste Removal, Up To 3" Thickness	13.41
	For Work In Restricted Working Space, Add	4.02
02 87 16 13-0004	SF >500 To 2,500 SF Bird Waste Removal, Up To 3" Thickness	12.19
	For Work In Restricted Working Space, Add	3.66
02 87 16 13-0005	SF >2,500 To 10,000 SF Bird Waste Removal, Up To 3" Thickness	11.07
	For Work In Restricted Working Space, Add	3.32
02 87 16 13-0006	SF >10,000 SF Bird Waste Removal, Up To 3" Thickness	10.07
	For Work In Restricted Working Space, Add	3.02

02 Existing Conditions**02 80 Facility Remediation****02 87 Bio-Hazard Material Remediation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
02 87 19 Bio-Hazard and Infectious Disease Control Remediation (02 87)

02 87 19 00-0001 Barriers For Bio-Hazard And Infectious Disease Control (02 87 19)

02 87 19 00-0002 Adjustable Barrier Panel System For Bio-Hazard And Infectious Disease

Control (02 87 19 00-0001)

 Note: Panels are opal or transparent. Includes self-leveling floor channel, 1/4" foam gasket to conform to ceiling,
 edge gaskets, grid clips, and cam locks.

02 87 19 00-0003	EA	4' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4000).....	692.60
02 87 19 00-0004	EA	3' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4001).....	657.93
02 87 19 00-0005	EA	2' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4002).....	519.27
02 87 19 00-0006	EA	2' Wide x 7'-8" To 10' High With High Efficiency Particulate Air (HEPA) Filtered Air Discharge Port, Fire Rated Containment Panel Assembly (Edge Guard 4002.1)	600.16
02 87 19 00-0007	EA	4' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 44" Door (Edge Guard 4003).....	1,172.13
		Note: Includes a hydraulic closer and a lever style lockset standard.	
02 87 19 00-0008	EA	7'-8" To 10' High, Hinged Corner Assembly (Edge Guard 4004)	238.95
02 87 19 00-0009	EA	6" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4005)	317.42
02 87 19 00-0010	EA	12" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4006)	340.53
02 87 19 00-0011	EA	7'-8" To 10' High, Outside Corner Post (Edge Guard 4007).....	198.50
02 87 19 00-0012	EA	4'-4" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 48" Door (Edge Guard 4008)	1,403.23
		Note: Includes a hydraulic closer and a lever style lockset standard.	
02 87 19 00-0013	EA	7'-8" To 10' High, "T" Post Corner Assembly (Edge Guard 4009).....	198.50
02 87 19 00-0014	EA	3' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 32" Door (Edge Guard 4010).....	1,056.58
		Note: Includes a hydraulic closer and a lever style lockset standard.	
02 87 19 00-0015	EA	Closure Strips (Edge Guard 3003).....	14.78
		Note: To seal panels to existing walls	
02 87 19 00-0016	EA	Digital Differential Pressure Gauge Kit (Edge Guard 3005).....	324.06

02 87 19 00-0017 Temporary Sheeting For Bio-Hazard And Infectious Disease Control (02 87 19 00-0001)

Note: Includes removal and disposal in approved landfill after use.

02 87 19 00-0018	SF	6 Mil Plastic Sheeting, Applied To Floors, For Bio-Hazard And Infectious Disease Control	0.62
02 87 19 00-0019	SF	6 Mil Plastic Sheeting, Applied To Walls, For Bio-Hazard And Infectious Disease Control.....	0.82
02 87 19 00-0020	SF	6 Mil Plastic Sheeting, Applied To Ceilings, For Bio-Hazard And Infectious Disease Control.....	1.10
02 87 19 00-0021	SF	6 Mil Plastic Fire Retardant, Anti-static Sheeting, Applied To Floors, For Bio-Hazard And Infectious Disease Control	0.73
02 87 19 00-0022	SF	6 Mil Plastic Fire Retardant, Anti-static Retardant Sheeting, Applied To Walls, For Bio-Hazard And Infectious Disease Control.....	0.93
02 87 19 00-0023	SF	6 Mil Plastic Fire Retardant, Anti-static Retardant Sheeting, Applied To Ceilings, For Bio-Hazard And Infectious Disease Control	1.21

02 87 19 00-0024 Temporary Floor Protection For Bio-Hazard And Infectious Disease Control

(02 87 19 00-0001)

Note: Includes removal after use.

02 87 19 00-0025	SF	1/8" Thick, Masonite Temporary Floor Protection For Bio-Hazard And Infectious Disease Control.....	2.01
02 87 19 00-0026	SF	1/2" Thick, Plywood Temporary Floor Protection For Bio-Hazard And Infectious Disease Control.....	2.03
02 87 19 00-0027	SF	3/4" Thick, Plywood Temporary Floor Protection For Bio-Hazard And Infectious Disease Control.....	2.39

02 87 19 00-0028 Temporary Stud Wall For Bio-Hazard And Infectious Disease Control (02 87 19 00-0001)

Note: Includes removal after use.

02 87 19 00-0029	SF	1/2" Gypsum Board On One Side, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control	6.79
02 87 19 00-0030	SF	1/2" Gypsum Board On Both Sides, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control	9.42
02 87 19 00-0031	SF	5/8" Type Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control	6.96
02 87 19 00-0032	SF	5/8" Type Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control	9.75
02 87 19 00-0033	SF	6 Mil, Fire Retardant, Plastic Sheeting On One Side, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control	3.95

02 87 19 00-0034 Isolation Barriers For Bio-Hazard And Infectious Disease Control (02 87 19 00-0001)

02 87 19 00-0035	GSF	Tent Construction Utilizing Two Layers Of 6 Mil Fire Rated Plastic Sheeting For Bio-Hazard And Infectious Disease Control	25.68
		Note: Includes support frame of 2x4s or PVC piping (ground SF) up to 6' to construct stand-alone tents (floor, walls and ceiling) with airlock.	
02 87 19 00-0036	GSF	Relocate Tent Construction To Different Area	3.14

02 87 19 00-0037 Plexiglass Barriers For Bio-Hazard And Infectious Disease Control (02 87 19 00-0001)

02 87 19 00-0038	SF	3/8" Thick, Clear Acrylic Glazing (Plexiglas) For Bio-Hazard And Infectious Disease Control.....	21.97
02 87 19 00-0039	SF	1/2" Thick, Clear Acrylic Glazing (Plexiglas) For Bio-Hazard And Infectious Disease Control.....	25.74
02 87 19 00-0040	SF	3/4" Thick, Clear Acrylic Glazing (Plexiglas) For Bio-Hazard And Infectious Disease Control.....	35.97
02 87 19 00-0041	PR	Install Pair Of 8" Diameter Glove Iris Port In Barrier For Bio-Hazard And Infectious Disease Control.....	1,529.22
		Note: Excludes gloves.	
02 87 19 00-0042	PR	Pair Of 8" Diameter Economy Sleeved Gloves With Clamping Ring For Bio-Hazard And Infectious Disease Control	548.08
		Note: For installation in glove iris port.	
02 87 19 00-0043	PR	Pair Of 8" Diameter Bellows Type Gloves With Clamping Ring For Bio-Hazard And Infectious Disease Control.....	873.54
		Note: For installation in glove iris port.	

MINOR		CSI UOM DESCRIPTION		TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
02 87 19 00-0044	EA	5-5/16" Diameter, Satin Anodized Aluminum, No-Draft Speak-Thru In Barrier For Bio-Hazard And Infectious Disease 159.90			
		Note: Includes gaskets and mounting screws for installation on glass from 1/4" (6 mm) to 1/2" (12 mm) thick. Require a minimum hole diameter of 2-1/4" (57 mm), and will cover holes up to 4-1/4" (108 mm). Recommended hole diameter is 3-1/2" (89 mm).			
02 87 19 00-0045		Temporary Portable And Mobile Trailers (02 87 19)			
02 87 19 00-0046		Trailer Delivery (02 87 19 00-0045)			
02 87 19 00-0047	EA	Deliver Trailer Within 25 Miles 1,188.17			
02 87 19 00-0048		Portable And Mobile Trailers, Purchase (02 87 19 00-0045)			
		Note: Includes cost to set-up, underpin, tie-downs, HVAC unit, lights, outlets, & phone jacks. Trailers shall have a 12' x 12' office area and 6' x 8' bathroom with sink, mirror, and water closet. Minimum of two pedestrian doors and a tinted/insulated 3' x 4' single hung window per 20 SF of wall area. Excludes connection of utilities.			
02 87 19 00-0049	EA	8' x 24' Mobile Trailer With Toilet, Purchase 13,417.90			
		For Tie-Downs, Add 133.31			
02 87 19 00-0050	EA	8' x 32' Mobile Trailer With Toilet, Purchase 18,954.42			
		For Tie-Downs, Add 133.31			
02 87 19 00-0051	EA	10' x 36' Mobile Trailer With Toilet, Purchase 27,042.06			
		For Tie-Downs, Add 133.31			
02 87 19 00-0052	EA	10' x 44' Mobile Trailer With Toilet, Purchase 33,789.23			
		For Tie-Downs, Add 133.31			
02 87 19 00-0053	EA	10' x 50' Mobile Trailer With Toilet, Purchase 38,414.33			
		For Tie-Downs, Add 133.31			
02 87 19 00-0054	EA	12' x 50' Mobile Trailer With Toilet, Purchase 40,386.15			
		For Tie-Downs, Add 133.31			
02 87 19 00-0055	EA	12' x 60' Mobile Trailer With Toilet, Purchase 44,937.46			
		For Tie-Downs, Add 133.31			
02 87 19 00-0056		Accessories For Portable And Mobile Trailers (02 87 19 00-0045)			
02 87 19 00-0057		Skirting (02 87 19 00-0056)			
		Note: Includes 2" x 4" wood framing 16" on center.			
02 87 19 00-0058	SF	1'-8" High Vinyl Covered Skirt 5.65			2.20
02 87 19 00-0059	SF	3' High Vinyl Covered Skirt 8.31			3.62
02 87 19 00-0060		Aluminum Modular Access Ramp (02 87 19 00-0056)			
		Note: Includes picketed guardrails, inside grab rails, legs and hardware.			
02 87 19 00-0061	EA	Up To 35" High, Aluminum Modular Access Ramp 3,924.07			42.00
02 87 19 00-0062		Aluminum Modular Stairs (02 87 19 00-0056)			
		Note: Excludes earthwork			
02 87 19 00-0063	EA	Aluminum Steps For Mobile Trailers 1,085.04			
02 87 19 00-0064		Decontamination Chambers For Bio-Hazard And Infectious Disease Control (02 87 19)			
		Note: Includes removal after use.			
02 87 19 00-0065	EA	Portable Personnel Decontamination Wash Facility (3 Stage) For Bio-Hazard And Infectious Disease Control 1,052.21			
		Note: Includes connection to negative air system.			
02 87 19 00-0066	EA	Portable Personnel Decontamination Wash Facility (5 Stage) For Bio-Hazard And Infectious Disease Control 1,240.40			
		Note: Includes connection to negative air system.			
02 87 19 00-0067	EA	Portable Waste Decontamination Unit For Bio-Hazard And Infectious Disease Control 644.16			
		Note: Includes connection to negative air system.			
02 87 19 00-0068		Bio-Hazard And Infectious Disease Control Cleaning, Level 2 (02 87 19)			
		Note: Includes worker personal protection equipment suites, gloves and masks. Level 1 Biohazard - Minor bacteria and viruses as well as non-infectious bacteria. Microbes are not known to cause disease in healthy hosts and pose minimal risk to workers and the environment. Level 2 Biohazard - Bacteria and viruses that cause mild disease or are difficult to contract. Microbes are typically indigenous and are associated with diseases of varying severity. They pose moderate risk to workers and the environment. Level 3 Biohazard - Microbes are indigenous or exotic and cause serious or potential lethal diseases through respiratory transmission. Disposal of materials used to wipe down surfaces in approved landfill after use. See CSI section 02 87 19 00-0138 for disposal of material into approved landfill.			
02 87 19 00-0069		Bio-Hazard And Infectious Disease Control Cleaning Mobilization (02 87 19 00-0068)			
02 87 19 00-0070	EA	Bio-Hazard And Infectious Disease Control Mobilization And Set-Up 412.18			
		Note: Mobilization and set-up minimum for each site location, for levels 1, 2 or 3.			
02 87 19 00-0071		Bio-Hazard And Infectious Disease Control Cleaning Of Surfaces (02 87 19 00-0068)			
		Note: Includes electrostatic spraying of surfaces with mild bleach, wet mop/wipe, disinfect and high efficiency particulate air (HEPA) vacuum surfaces			
02 87 19 00-0072	CSF	Cleaning Of Floors For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution 30.55			
		For >25 To 50, Deduct -3.05			
		For >50 To 200, Deduct -6.11			
		For >200, Deduct -9.16			
		For Cleaning Surfaces With Goldshield® GS5, Add 14.99			
		For Level 1 Biohazard Cleaning, Deduct -6.11			
		For Level 3 Biohazard Cleaning, Add 10.07			

02 Existing Conditions**02 80 Facility Remediation****02 87 Bio-Hazard Material Remediation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

02 87 19 00-0073	CSF	Cleaning Of Walls For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	35.94
		For >25 To 50, Deduct	-3.59
		For >50 To 200, Deduct	-7.18
		For >200, Deduct	-10.78
		For Cleaning Surfaces With Goldshield® GS5, Add	14.99
		For Level 1 Biohazard Cleaning, Deduct	-7.18
		For Level 3 Biohazard Cleaning, Add	11.85
02 87 19 00-0074	CSF	Cleaning Of Ceilings For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	40.88
		For >25 To 50, Deduct	-4.09
		For >50 To 200, Deduct	-8.17
		For >200, Deduct	-12.26
		For Cleaning Surfaces With Goldshield® GS5, Add	14.99
		For Level 1 Biohazard Cleaning, Deduct	-8.17
		For Level 3 Biohazard Cleaning, Add	13.48
02 87 19 00-0075	CSF	Cleaning Of Countertops For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution.....	33.32
		For Cleaning Surfaces With Goldshield® GS5, Add	14.99
		For >5 To 10, Deduct	-1.67
		For >10 To 50, Deduct	-3.33
		For >50, Deduct	-6.66
		For Level 1 Biohazard Cleaning, Deduct	-6.66
		For Level 3 Biohazard Cleaning, Add	10.99
02 87 19 00-0076	CSF	Cleaning Of Other Surfaces For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	42.30
		For >25 To 50, Deduct	-4.23
		For >50 To 200, Deduct	-8.46
		For >200, Deduct	-12.68
		For Cleaning Surfaces With Goldshield® GS5, Add	14.99
		For Level 1 Biohazard Cleaning, Deduct	-8.46
		For Level 3 Biohazard Cleaning, Add	13.95

02 87 19 00-0077 Bio-Hazard And Infectious Disease Control Cleaning Of Equipment And Materials

(02 87 19 00-0068)

Note: Includes spraying of surfaces with mild bleach, wet mop/wipe and disinfect

02 87 19 00-0078	EA	Cleaning Of Plumbing Fixture For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	78.98
		For Level 1 Biohazard Cleaning, Deduct	-15.79
		For Level 3 Biohazard Cleaning, Add	26.06
		For Cleaning Surfaces With Goldshield® GS5, Add	7.50
02 87 19 00-0079	EA	Cleaning Of Restroom Accessory For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	36.24
		For Level 1 Biohazard Cleaning, Deduct	-7.24
		For Level 3 Biohazard Cleaning, Add	11.95
		For Cleaning Surfaces With Goldshield® GS5, Add	5.00
02 87 19 00-0080	EA	Cleaning Of Kitchen Appliance For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	127.22
		For Level 1 Biohazard Cleaning, Deduct	-25.44
		For Level 3 Biohazard Cleaning, Add	41.98
		For Cleaning Surfaces With Goldshield® GS5, Add	7.50
02 87 19 00-0081	EA	Cleaning Of Electrical Switch/Receptacle For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution.....	7.84
		For Level 1 Biohazard Cleaning, Deduct	-1.56
		For Level 3 Biohazard Cleaning, Add	2.58
		For Cleaning Surfaces With Goldshield® GS5, Add	1.50
02 87 19 00-0082	EA	Cleaning Of WorkStation, Exterior Wipe For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	117.27
		Clean-up	
		Note: Includes desk, chair, computer, monitor(s), keyboard, mouse, lamp, drawers	
		For Level 1 Biohazard Cleaning, Deduct	-23.45
		For Level 3 Biohazard Cleaning, Add	38.69
		For Cleaning Surfaces With Goldshield® GS5, Add	7.50
02 87 19 00-0083	EA	Cleaning Of Knobs, Latches, And Locks For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	12.52
		Clean-up	
		For Level 1 Biohazard Cleaning, Deduct	-2.50
		For Level 3 Biohazard Cleaning, Add	4.13
		For Cleaning Surfaces With Goldshield® GS5, Add	1.50

02 87 19 00-0084 Bio-Hazard And Infectious Disease Control Cleaning Of Ductwork

(02 87 19 00-0068)

02 87 19 00-0085	LF	Up To 2 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control	4.61
		Cleaning	
		For Level 1 Biohazard Cleaning, Deduct	-0.92
		For Level 3 Biohazard Cleaning, Add	1.51
02 87 19 00-0086	LF	>2 SF To 4 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control	5.78
		Cleaning	
		For Level 1 Biohazard Cleaning, Deduct	-1.14
		For Level 3 Biohazard Cleaning, Add	1.89
02 87 19 00-0087	LF	>4 SF To 8 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control	7.76
		Cleaning	
		For Level 1 Biohazard Cleaning, Deduct	-1.53
		For Level 3 Biohazard Cleaning, Add	2.52
02 87 19 00-0088	LF	>8 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control Cleaning.....	10.99
		For Level 1 Biohazard Cleaning, Deduct	-2.15
		For Level 3 Biohazard Cleaning, Add	3.54
02 87 19 00-0089	EA	Clean Duct Coil For Bio-Hazard And Infectious Disease Control Cleaning.....	206.10
		For Level 1 Biohazard Cleaning, Deduct	-41.22
		For Level 3 Biohazard Cleaning, Add	68.01
02 87 19 00-0090	SF	Clean Duct Dampers And Vane Sets For Bio-Hazard And Infectious Disease Control Cleaning	14.33
		For Level 1 Biohazard Cleaning, Deduct	-2.86
		For Level 3 Biohazard Cleaning, Add	4.72
02 87 19 00-0091	EA	Clean Fan Coil Unit (FCU) Or Variable Air Volume (VAV) Unit For Bio-Hazard And Infectious Disease Control	137.41
		Cleaning	
		For Level 1 Biohazard Cleaning, Deduct	-27.48
		For Level 3 Biohazard Cleaning, Add	45.34

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 19 00-0092 EA Clean Air Handling Unit Fan And Coil For Bio-Hazard And Infectious Disease Control Cleaning .....412.20 For Level 1 Biohazard Cleaning, Deduct -82.44 For Level 3 Biohazard Cleaning, Add 136.02		
02 87 19 00-0093 EA Clean Grille/Diffuser/Register For Bio-Hazard And Infectious Disease Control Cleaning .....34.37 Note: Includes removal and reinstallation. For Level 1 Biohazard Cleaning, Deduct -6.87 For Level 3 Biohazard Cleaning, Add 11.34		
02 87 19 00-0094 SF Apply Sporidicin Disinfectant To Ductwork And Surfaces After Cleaning For Bio-Hazard And Infectious Disease Control Cleaning.....0.62 For Level 1 Biohazard Cleaning, Deduct -0.11 For Level 3 Biohazard Cleaning, Add 0.18		
02 87 19 00-0095 SF Apply Goldshield® GS5 Anti-microbial Agent To Ductwork And Surfaces After Cleaning For Bio-Hazard And Infectious Disease Control Cleaning.....0.70 For Level 1 Biohazard Cleaning, Deduct -0.11 For Level 3 Biohazard Cleaning, Add 0.18		
02 87 19 00-0096 Bio-Hazard And Infectious Disease Control Equipment Rental (02 87 19) Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.		
02 87 19 00-0097 DAY Up To 5,000 CFM Portable Air Scrubber For Bio-Hazard And Infectious Disease Control Clean-up .....102.69		
02 87 19 00-0098 WK Up To 5,000 CFM Portable Air Scrubber For Bio-Hazard And Infectious Disease Control Clean-up .....437.40		
02 87 19 00-0099 MO Up To 5,000 CFM Portable Air Scrubber For Bio-Hazard And Infectious Disease Control Clean-up .....1,224.73		
02 87 19 00-0100 DAY Industrial High Efficiency Particulate Air (HEPA) Vacuum For Bio-Hazard And Infectious Disease Control Clean-up .....160.68		
02 87 19 00-0101 WK Industrial High Efficiency Particulate Air (HEPA) Vacuum For Bio-Hazard And Infectious Disease Control Clean-up .....441.86		
02 87 19 00-0102 MO Industrial High Efficiency Particulate Air (HEPA) Vacuum For Bio-Hazard And Infectious Disease Control Clean-up .....1,205.08		
02 87 19 00-0103 DAY Zip Wall Poles (Per 2 Poles) For Bio-Hazard And Infectious Disease Control Clean-up .....34.77		
02 87 19 00-0104 WK Zip Wall Poles (Per 2 Poles) For Bio-Hazard And Infectious Disease Control Clean-up .....95.61		
02 87 19 00-0105 MO Zip Wall Poles (Per 2 Poles) For Bio-Hazard And Infectious Disease Control Clean-up .....260.76		
02 87 19 00-0106 DAY Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And High Efficiency Particulate Air (HEPA) Filter For Bio-Hazard And Infectious Disease Control Clean-up .....109.47		
02 87 19 00-0107 WK Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And High Efficiency Particulate Air (HEPA) Filter For Bio-Hazard And Infectious Disease Control Clean-up .....449.63		
02 87 19 00-0108 MO Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And High Efficiency Particulate Air (HEPA) Filter For Bio-Hazard And Infectious Disease Control Clean-up .....1,358.66		
02 87 19 00-0109 EA High Efficiency Particulate Air (HEPA) Filter, 99.99% Efficient At 0.3 Micron For Negative Air Machine For Bio-Hazard And Infectious Disease Control Clean-up .....125.52 Note: Required if over 800 hours operation.		
02 87 19 00-0110 DAY 20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up .....342.34		
02 87 19 00-0111 WK 20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up .....684.68		
02 87 19 00-0112 MO 20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up .....1,369.37		
02 87 19 00-0113 DAY 20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up .....456.46		
02 87 19 00-0114 WK 20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up .....912.91		
02 87 19 00-0115 MO 20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up .....1,825.82		
02 87 19 00-0116 DAY 20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up .....1,008.89		
02 87 19 00-0117 WK 20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up .....2,017.78		
02 87 19 00-0118 MO 20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up .....4,035.55		
02 87 19 00-0119 DAY 20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up .....1,345.18		
02 87 19 00-0120 WK 20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up .....2,690.37		
02 87 19 00-0121 MO 20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up .....5,380.74		
02 87 19 00-0122 DAY 20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up .....1,681.48		
02 87 19 00-0123 WK 20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up .....3,362.96		
02 87 19 00-0124 MO 20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up .....6,725.92		
02 87 19 00-0125 EA Set-Up 20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up .....125.93 Note: Includes staking down tent.		
02 87 19 00-0126 EA Set-Up 20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up .....251.85 Note: Includes staking down tent.		
02 87 19 00-0127 EA Set-Up 20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up .....755.57 Note: Includes staking down tent.		
02 87 19 00-0128 EA Set-Up 20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up .....1,511.14 Note: Includes staking down tent.		
02 87 19 00-0129 EA Set-Up 20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up .....2,518.57 Note: Includes staking down tent.		
02 87 19 00-0130 DAY Portable Dual Sink Wash Station For Bio-Hazard And Infectious Disease Control Clean-up .....74.86		
02 87 19 00-0131 WK Portable Dual Sink Wash Station For Bio-Hazard And Infectious Disease Control Clean-up .....205.86		
02 87 19 00-0132 MO Portable Dual Sink Wash Station For Bio-Hazard And Infectious Disease Control Clean-up .....561.44		
02 87 19 00-0133 Bio-Hazard And Infectious Disease Control Hauling By Truck (02 87 19) Note: Includes driver and equipment, ten (10) to fifteen (15) minutes load time, time for travel, dump time and return (roundtrip). The task quantity is the number of miles to the disposal site/transfer station (one-way mileage) using an appropriately sized truck.		
02 87 19 00-0134 EA Hauling With 2-3 CY Pick-up Truck, Van Or Trailer, Up To 15 Miles For Bio-Hazard And Infectious Disease Control Clean Up .....109.82 Note: Each first 15 miles per trip For Each Additional Mile Over First 15 Miles, Add Per Mile 1.37		
02 87 19 00-0135 EA Hauling With 6 To 8 CY Dump Truck, Up To 15 Miles For Bio-Hazard And Infectious Control Clean Up .....158.19 Note: Each first 15 miles per trip For Each Additional Mile Over First 15 Miles, Add Per Mile 1.98		
02 87 19 00-0136 EA Hauling With 10 To 12 CY Dump Truck, Up To 15 Miles For Bio-Hazard And Infectious Disease Control Clean Up .....164.11 Note: Each first 15 miles per trip For Each Additional Mile Over First 15 Miles, Add Per Mile 2.05		

02 Existing Conditions**02 80 Facility Remediation****02 87 Bio-Hazard Material Remediation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

02 87 19 00-0137	EA	Hauling With 16' To 20', Box Or Flat Bed Truck, Up To 15 Miles For Bio-Hazard And Infectious Disease Control Clean Up.....	176.98
		Note: Each first 15 miles per trip	
		For Each Additional Mile Over First 15 Miles, Add Per Mile	2.21

02 87 19 00-0138		Bio-Hazard And Infectious Disease Control Disposal (02 87 19) Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.	
02 87 19 00-0139	CY	Bio-Hazard And Infectious Disease Control Landfill Dump Fee.....	119.96

02 87 19 00-0140		BLU-MED Response Systems® (BLU-MED) Deployable Medical Facilities™ and Emergency Shelters (02 87 19) Note: Includes delivery and set-up of facility, electrical, lighting and HVAC. Excludes medical equipment.	
02 87 19 00-0141	EA	20' x 32.5' Medical Shelter with 1-phase electrical, 60 Hertz (BLU-MED BM-2032.5-MS/1P)	46,605.03
02 87 19 00-0142	EA	7' x 8' Entry Vestibule (BLU-MED BM-MS-VEST).....	4,480.31
02 87 19 00-0143	EA	Vestibule End Panel with Bump Thru Door (BLU-MED BM-7x8-VEP04).....	7,413.09
02 87 19 00-0144	SF	Sub Flooring For Medical Shelter (AKS-AB846).....	6.92
02 87 19 00-0145	EA	Upgrade To Large Roto-Mold Container, Blue (AK-ULC-5).....	2,034.73
02 87 19 00-0146	EA	Environmental Control Unit-5 Ton, 60 Hertz, Blue (AK-ECU-5T-5).....	33,326.46
02 87 19 00-0147	EA	3' ECU to Generator Pigtail, 60 Hertz (AKS-AC915).....	1,161.62
02 87 19 00-0148	EA	Negative Pressure Isolation (NPI) System (AK-NPIS-5).....	52,455.29
		Note: Including: (1) Germicidal/high efficiency particulate air (HEPA) Filter Unit; (1) Monitor/Alarm with Motorized Damper; (1) Isolation Partition for 20'-Wide Shelter; (1) NPI Accessories Case	
02 87 19 00-0149	EA	6' Step Ladder (AKS-AC595).....	316.13
02 87 19 00-0150	EA	10 Lb. Sledgehammer (AKS-AA268).....	95.96

02 87 19 00-0151		Bio-Hazard And Infectious Disease Time And Material Tasks (02 87 19) Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.	
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02 87 19 00-0152		Bio-Hazard And Infectious Disease Control Labor (02 87 19 00-0151) Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.	
02 87 19 00-0153	HR	General Laborer For Bio-Hazard And Infectious Disease Control Clean Up.....	106.94
02 87 19 00-0154	HR	Skilled Tradesman For Bio-Hazard And Infectious Disease Control Clean Up	152.54
02 87 19 00-0155	HR	Biohazard Technician For Bio-Hazard And Infectious Disease Control Clean Up	103.65
02 87 19 00-0156	HR	Biohazard Supervisor For Bio-Hazard And Infectious Disease Control Clean Up	124.63
02 87 19 00-0157	HR	Project Manager For Bio-Hazard And Infectious Disease Control Clean Up	137.06

02 87 19 00-0158		Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment (02 87 19 00-0151) Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.	
02 87 19 00-0159	EA	Tyvek Coveralls For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment.....	11.51
02 87 19 00-0160	EA	Tyvek Coveralls With Hood, Boots, Elastic Wrists And Ankles For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment	18.61
02 87 19 00-0161	PR	Polycarbonate Lens Safety Goggles For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment	12.06
02 87 19 00-0162	EA	Dual Cartridge Half-Mask Respirator For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment	129.50
02 87 19 00-0163	EA	Cartridge - Respirator For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment.....	40.21
02 87 19 00-0164	EA	Full Face Respirator For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment	395.08
		Note: Respirator Connection Type: Bayonet, 4 pt. Full Face Suspension	
02 87 19 00-0165	EA	14-1/2" Width x 9" Height Polycarbonate Visor Faceshield For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment	54.01
		Note: Includes basic impact ratchet headgear and faceshield safety system. ANSI Z87.1-2010	
02 87 19 00-0166	EA	19" Width x 11" Height Polycarbonate Visor Attachment To Hardhat For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment.....	98.12
		Note: Includes clear polycarbonate crown and chin guard system for hardhat. The chin guard extends below the chin, the shield extends passed the ear, and the crown extends over the forehead to the front of the hardhat. ANSI Z87.1-2015. Excludes hardhat.	
02 87 19 00-0167	BOX	Box of 100, 5 Mil, Disposable Latex Gloves For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment	20.86
02 87 19 00-0168	EA	Gloves - Rubber (Heavy-Duty) For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment	17.81
02 87 19 00-0169	EA	Belt-Mounted, Universal Mask, Powered Air Purifying Respirator (PAPR) System Kit For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment.....	2,640.77
		Note: Kit includes NIOSH Approved with Draeger DHR 7000, C420 Blower, Single-Speed Toggle, Battery - LiSO2 (BA5800/U), C420 Breathing Tube Assembly with 75-Degrees Swivel, Decon Belt Assembly 70" x 2", C420 Airflow Indicator (Afi), Micronel Safety M95 Cartridge (2), Molded Case, Black, CBRN Breathing Tube Assembly	

02 87 19 00-0170		Bio-Hazard And Infectious Disease Control Expendables (02 87 19 00-0151) Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections. See CSI section 01 56 16 00-0001 for temporary sheeting, 01 56 16 00-0033 for temporary walls.	
02 87 19 00-0171	GAL	Bleach For Bio-Hazard And Infectious Disease Control Clean-up	8.97
02 87 19 00-0172	EA	N95 Masks For Bio-Hazard And Infectious Disease Control Clean-up	4.34
02 87 19 00-0173	GAL	Disinfectant/Anti-microbial For Bio-Hazard And Infectious Disease Control Clean Up	87.93
02 87 19 00-0174	GAL	Goldshield® GS5 Anti-microbial Concentrate For Bio-Hazard And Infectious Disease Control Clean-up	359.84
		Note: Mix 1 gallon in 5 gallons of water to produce 6 gallons of ready-to-use product. Use on any surface for bacterial inhibition up to 30 days	
02 87 19 00-0175	QT	Hand Sanitizer For Bio-Hazard And Infectious Disease Control Clean-up.....	9.21

Existing Conditions			02
Facility Remediation			02 80
Bio-Hazard Material Remediation			02 87
MINOR	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST
CS			DEMOLITION UNIT COST

02 87 19 00-0176	EA	Sponges - Dry For Bio-Hazard And Infectious Disease Control Clean-up	5.76
02 87 19 00-0177	ROL	Tape - Duct, 2" x 50 YD For Bio-Hazard And Infectious Disease Control Clean-up	11.44
02 87 19 00-0178	EA	UV Mini Light, Handheld For Bio-Hazard And Infectious Disease Control Clean-up	78.62
02 87 19 00-0179	ROL	Visqueen 1 Mil, 12' x 400', For Bio-Hazard And Infectious Disease Control Clean-up	46.12
02 87 19 00-0180	LB	Wipes, Terry Cloth 14" x 17" For Bio-Hazard And Infectious Disease Control Clean-up	6.72
02 87 19 00-0181	EA	Wyp-Alls, Case, 160 Wipes For Bio-Hazard And Infectious Disease Control Clean-up	18.00
02 87 19 00-0182	ROL	6 Mil, 55 Gallon Trash Bags, 50/Roll For Bio-Hazard And Infectious Disease Control Clean Up	141.99

02 89 Hazmat Ancillary Tasks and Support (02 80)

02 89 00 00-0001	Barriers And Protection (02 89)		
	Note: Includes removal and disposal after use.		
02 89 00 00-0002	Isolation Barriers (02 89 00 00-0001)		
	See CSI section 01 56 16 00-0033 for temporary stud walls.		
02 89 00 00-0003	Cleaning Surfaces (02 89 00 00-0001)		
	Note: Other surfaces outside contamination area but not contaminated by, or part of removal.		
02 89 00 00-0004	SF	Up To 100 SF, Clean Non-Asbestos Surface	1.97
02 89 00 00-0005	SF	>100 To 500 SF, Clean Non-Asbestos Surface	1.39
02 89 00 00-0006	SF	>500 To 1,000 SF, Clean Non-Asbestos Surface	0.91
02 89 00 00-0007	SF	>1,000 SF, Clean Non-Asbestos Surface	0.71
02 89 00 00-0008	Hazmat Containment Construction Plastic Sheetting (02 89 00 00-0001)		
02 89 00 00-0009	SF	4 Mil Plastic Sheetting, Applied To Floors, Hazmat Containment Construction	0.46
02 89 00 00-0010	SF	6 Mil Plastic Sheetting, Applied To Floors, Hazmat Containment Construction	0.50
02 89 00 00-0011	SF	4 Mil Plastic Sheetting, Applied To Walls, Hazmat Containment Construction	0.62
02 89 00 00-0012	SF	6 Mil Plastic Sheetting, Applied To Walls, Hazmat Containment Construction	0.65
02 89 00 00-0013	SF	4 Mil Plastic Sheetting, Applied To Ceilings, Hazmat Containment Construction	0.81
02 89 00 00-0014	SF	6 Mil Plastic Sheetting, Applied To Ceilings, Hazmat Containment Construction	0.87
02 89 00 00-0015	SF	6 Mil Plastic Fire Retardant, Anti-static Sheetting, Applied To Floors, Hazmat Containment Construction	0.75
02 89 00 00-0016	SF	6 Mil Plastic Fire Retardant, Anti-static Retardant Sheetting, Applied To Walls, Hazmat Containment Construction	0.94
02 89 00 00-0017	SF	6 Mil Plastic Fire Retardant, Anti-static Retardant Sheetting, Applied To Ceilings, Hazmat Containment Construction	1.23
02 89 00 00-0018	Decontamination Chambers (02 89)		
	Note: Includes removal after use.		
02 89 00 00-0019	EA	3 Stage Portable Personnel Decontamination Wash Facility	1,059.76
	Note: Includes connection to negative air system.		
02 89 00 00-0020	EA	5 Stage Portable Personnel Decontamination Wash Facility	1,249.45
	Note: Includes connection to negative air system.		
02 89 00 00-0021	EA	Portable Waste Decontamination Unit	650.20
	Note: Includes connection to negative air system.		
	For Dismantling And Relocation To A Different Area, Add		419.66

02 90 Disaster Recovery (02)

Note: The tasks in this division are only to be used when specifically requested by the Owner and are not to be combined with tasks from other divisions of this or other Construction Task Catalogs® unless specifically requested by the Owner.

02 90 50 Cleaning and Disaster Clean-up (02 90)

02 90 50 00-0001	Non-Mold Contaminated Wet Material Removal (02 90 50)		
	Note: For materials not requiring mold abatement.		
02 90 50 00-0002	SY	Wet Broadloom Carpet Removal For Disaster Clean-up	26.38
02 90 50 00-0003	SY	Wet Carpet Tile Removal For Disaster Clean-up	6.42
02 90 50 00-0004	SF	Wet Batt Insulation Removal For Disaster Clean-up	0.53
02 90 50 00-0005	SF	Wet Ceiling Tile Removal For Disaster Clean-up	0.64
02 90 50 00-0006	SF	Single Layer, Wet Gypsum Board Removal For Disaster Clean-up	0.62
02 90 50 00-0007	SF	Double Layer, Wet Gypsum Board Removal For Disaster Clean-up	0.98
02 90 50 00-0008	Cleaning (02 90 50)		
	Note: Use "Light Clean" when soot or dust is barely evident. Use "Medium Clean" when paint color can be seen through the soot or dust. Use "Heavy Clean" when paint color cannot be seen. Includes all man power, equipment and expendables required		
02 90 50 00-0009	Clean Furnishings (02 90 50 00-0008)		
02 90 50 00-0010	EA	Office Equipment, Exterior Wipe For Disaster Clean-up	28.40
	For Medium Clean, Add		11.93
	For Heavy Clean, Add		36.92
02 90 50 00-0011	SF	Bookcase (Per SF Of Face Area), Light Clean For Disaster Clean-up	1.58
	For Medium Clean, Add		0.66
	For Heavy Clean, Add		2.05
02 90 50 00-0012	LF	Shelving, Light Clean For Disaster Clean-up	2.84
	For Medium Clean, Add		1.19
	For Heavy Clean, Add		3.69
02 90 50 00-0013	EA	Plastic Or Metal Chair, Light Clean For Disaster Clean-up	8.20
	For Medium Clean, Add		3.44
	For Heavy Clean, Add		10.66
02 90 50 00-0014	EA	Upholstered Chair, Light Clean For Disaster Clean-up	26.51
	For Medium Clean, Add		11.13
	For Heavy Clean, Add		34.46

02 Existing Conditions**02 90 Disaster Recovery****02 90 50 Cleaning and Disaster Clean-up**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

02 90 50 00-0015	EA Upholstered Sofa, Light Clean For Disaster Clean-up	163.47
	For Medium Clean, Add	68.66
	For Heavy Clean, Add	212.51
02 90 50 00-0016	EA Desk, Light Clean For Disaster Clean-up	33.45
	For Medium Clean, Add	14.05
	For Heavy Clean, Add	43.49
02 90 50 00-0017	EA Table, Light Clean For Disaster Clean-up	31.56
	For Medium Clean, Add	13.26
	For Heavy Clean, Add	41.03
02 90 50 00-0018	EA Two Drawer File Cabinet, Light Clean For Disaster Clean-up	6.92
	For Medium Clean, Add	2.91
	For Heavy Clean, Add	9.00
02 90 50 00-0019	EA Four Drawer File Cabinet, Light Clean For Disaster Clean-up	8.85
	For Medium Clean, Add	3.72
	For Heavy Clean, Add	11.51
02 90 50 00-0020	LF Base Cabinet, Exterior Wipe, Light Clean For Disaster Clean-up	7.26
	For Medium Clean, Add	3.05
	For Heavy Clean, Add	9.44
02 90 50 00-0021	LF Base Cabinet, Exterior And Interior Wipe, Light Clean For Disaster Clean-up	14.20
	For Medium Clean, Add	5.96
	For Heavy Clean, Add	18.46
02 90 50 00-0022	LF Wall Cabinet, Exterior Wipe, Light Clean For Disaster Clean-up	7.26
	For Medium Clean, Add	3.05
	For Heavy Clean, Add	9.44
02 90 50 00-0023	LF Wall Cabinet, Exterior And Interior Wipe, Light Clean For Disaster Clean-up	12.62
	For Medium Clean, Add	5.30
	For Heavy Clean, Add	16.41
02 90 50 00-0024	EA Picture Frame, Glass And Back, Light Clean For Disaster Clean-up	3.03
	For Medium Clean, Add	1.27
	For Heavy Clean, Add	3.94

02 90 50 00-0025 Clean Hard Surfaces (02 90 50 00-0008)

02 90 50 00-0026	LF Wood, Vinyl Or Rubber Baseboard, Light Clean For Disaster Clean-up	0.41
	For Medium Clean, Add	0.17
	For Heavy Clean, Add	0.53
02 90 50 00-0027	EA Door And Hardware (Per Side), Light Clean For Disaster Clean-up	5.37
	For Medium Clean, Add	2.26
	For Heavy Clean, Add	6.98
02 90 50 00-0028	EA Detailed Door And Hardware (Per Side), Light Clean For Disaster Clean-up	6.08
	For Medium Clean, Add	2.55
	For Heavy Clean, Add	7.90
02 90 50 00-0029	SF Overhead Door, Light Clean For Disaster Clean-up	0.43
	For Medium Clean, Add	0.18
	For Heavy Clean, Add	0.56
02 90 50 00-0030	SF Mirror, Light Clean For Disaster Clean-up	0.32
	For Medium Clean, Add	0.13
	For Heavy Clean, Add	0.42
02 90 50 00-0031	SF Window, Light Clean For Disaster Clean-up	0.93
	For Medium Clean, Add	0.39
	For Heavy Clean, Add	1.21
02 90 50 00-0032	LF Handrail, Light Clean For Disaster Clean-up	0.83
	For Medium Clean, Add	0.35
	For Heavy Clean, Add	1.08
02 90 50 00-0033	LF Bumper Rail, Light Clean For Disaster Clean-up	0.45
	For Medium Clean, Add	0.19
	For Heavy Clean, Add	0.59
02 90 50 00-0034	SF Hard Floor, Light Clean For Disaster Clean-up	0.37
	For Medium Clean, Add	0.16
	For Heavy Clean, Add	0.48
02 90 50 00-0035	SF Carpet, Light Clean For Disaster Clean-up	0.38
	For Medium Clean, Add	0.16
	For Heavy Clean, Add	0.49
02 90 50 00-0036	SF Hard Ceiling, Light Clean For Disaster Clean-up	0.29
	For Medium Clean, Add	0.12
	For Heavy Clean, Add	0.38
02 90 50 00-0037	SF Suspended Ceiling, Tile And Grid, Light Clean For Disaster Clean-up	0.32
	For Medium Clean, Add	0.13
	For Heavy Clean, Add	0.42
02 90 50 00-0038	SF Ceramic Tile Wall, Light Clean For Disaster Clean-up	0.26
	For Medium Clean, Add	0.11
	For Heavy Clean, Add	0.34
02 90 50 00-0039	SF Wall, Light Clean For Disaster Clean-up	0.19
	For Medium Clean, Add	0.08
	For Heavy Clean, Add	0.25
02 90 50 00-0040	SF Masonry Wall, Light Clean For Disaster Clean-up	0.26
	For Medium Clean, Add	0.11
	For Heavy Clean, Add	0.34
02 90 50 00-0041	EA Up To 24 SF Area Rug, Off-Site Cleaning, Light Clean For Disaster Clean-up	66.57
	Note: Includes removal from site, cleaning, and return.	
	For Medium Clean, Add	27.96
	For Heavy Clean, Add	86.54
02 90 50 00-0042	EA >24 To 96 SF Area Rug, Off-Site Cleaning, Light Clean For Disaster Clean-up	83.20
	Note: Includes removal from site, cleaning, and return.	
	For Medium Clean, Add	34.94
	For Heavy Clean, Add	108.16
02 90 50 00-0043	EA >96 To 140 SF Area Rug, Off-Site Cleaning, Light Clean For Disaster Clean-up	99.84
	Note: Includes removal from site, cleaning, and return.	
	For Medium Clean, Add	41.93
	For Heavy Clean, Add	129.79

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
02 90 50 00-0044	EA		>140 To 216 SF Area Rug, Off-Site Cleaning, Light Clean For Disaster Clean-up.....	116.48	
			For Medium Clean, Add	48.92	
			For Heavy Clean, Add	151.42	
02 90 50 00-0045 Clean Window Treatments (02 90 50 00-0008)					
02 90 50 00-0046	SF		Window Blind, Light Clean For Disaster Clean-up.....	0.73	
			For Medium Clean, Add	0.31	
			For Heavy Clean, Add	0.95	
02 90 50 00-0047	EA		Up To 6' Long Drapery (Per Pleat), Light Clean For Disaster Clean-up	1.48	
			For Medium Clean, Add	0.62	
			For Heavy Clean, Add	1.92	
02 90 50 00-0048	EA		Up To 6' Long Lined Drapery (Per Pleat), Light Clean For Disaster Clean-up.....	1.71	
			For Medium Clean, Add	0.72	
			For Heavy Clean, Add	2.22	
02 90 50 00-0049	EA		>6' To 8' Drapery (Per Pleat), Light Clean For Disaster Clean-up	1.55	
			For Medium Clean, Add	0.65	
			For Heavy Clean, Add	2.02	
02 90 50 00-0050	EA		>6' To 8' Lined Drapery (Per Pleat), Light Clean For Disaster Clean-up.....	1.78	
			For Medium Clean, Add	0.75	
			For Heavy Clean, Add	2.31	
02 90 50 00-0051	EA		>8' To 10' Drapery (Per Pleat), Light Clean For Disaster Clean-up	1.90	
			For Medium Clean, Add	0.80	
			For Heavy Clean, Add	2.47	
02 90 50 00-0052	EA		>8' To 10' Lined Drapery (Per Pleat), Light Clean For Disaster Clean-up.....	2.19	
			For Medium Clean, Add	0.92	
			For Heavy Clean, Add	2.85	
02 90 50 00-0053 Clean Appliances (02 90 50 00-0008)					
02 90 50 00-0054	EA		Microwave Oven, Outside, Light Clean For Disaster Clean-up.....	13.08	
			For Medium Clean, Add	5.49	
			For Heavy Clean, Add	17.00	
02 90 50 00-0055	EA		Refrigerator, Outside, Light Clean For Disaster Clean-up	30.81	
			For Medium Clean, Add	12.94	
			For Heavy Clean, Add	40.05	
02 90 50 00-0056	EA		Range, Outside, Light Clean For Disaster Clean-up.....	26.63	
			For Medium Clean, Add	11.18	
			For Heavy Clean, Add	34.62	
02 90 50 00-0057 Clean Plumbing (02 90 50 00-0008)					
02 90 50 00-0058	EA		Water Heater, Light Clean For Disaster Clean-up	18.94	
			For Medium Clean, Add	7.95	
			For Heavy Clean, Add	24.62	
02 90 50 00-0059	EA		Plumbing Fixture, Light Clean For Disaster Clean-up.....	19.12	
			For Medium Clean, Add	8.03	
			For Heavy Clean, Add	24.86	
02 90 50 00-0060	EA		Restroom Accessory, Light Clean For Disaster Clean-up.....	8.78	
			For Medium Clean, Add	3.69	
			For Heavy Clean, Add	11.41	
02 90 50 00-0061 Clean HVAC (02 90 50 00-0008)					
02 90 50 00-0062	LF		Baseboard Heater, Light Clean For Disaster Clean-up.....	5.66	
			For Medium Clean, Add	2.38	
			For Heavy Clean, Add	7.36	
02 90 50 00-0063	LF		Ductwork, Exterior Wipe, Light Clean For Disaster Clean-up	15.78	
			For Medium Clean, Add	6.63	
			For Heavy Clean, Add	20.51	
02 90 50 00-0064	EA		Ductwork, Interior (Per Grille/Register), Light Clean For Disaster Clean-up	60.59	
			For Medium Clean, Add	25.45	
			For Heavy Clean, Add	78.77	
02 90 50 00-0065	EA		Grille/Register, Light Clean For Disaster Clean-up.....	5.68	
			For Medium Clean, Add	2.39	
			For Heavy Clean, Add	7.38	
02 90 50 00-0066	EA		Air Handling Unit, Exterior Wipe, Light Clean For Disaster Clean-up	39.34	
			For Medium Clean, Add	16.52	
			For Heavy Clean, Add	51.14	
02 90 50 00-0067	EA		Furnace, Exterior Wipe, Light Clean For Disaster Clean-up.....	35.03	
			For Medium Clean, Add	14.71	
			For Heavy Clean, Add	45.54	
02 90 50 00-0068 Clean Electrical (02 90 50 00-0008)					
02 90 50 00-0069	EA		Electric Fan, Light Clean For Disaster Clean-up.....	23.36	
			For Medium Clean, Add	9.81	
			For Heavy Clean, Add	30.37	
02 90 50 00-0070	EA		Ceiling Fan, Light Clean For Disaster Clean-up	25.25	
			For Medium Clean, Add	10.61	
			For Heavy Clean, Add	32.83	
02 90 50 00-0071	EA		Ceiling Fan And Light, Light Clean For Disaster Clean-up	32.82	
			For Medium Clean, Add	13.78	
			For Heavy Clean, Add	42.67	
02 90 50 00-0072	EA		Ceiling Exhaust Fan, Light Clean For Disaster Clean-up.....	23.04	
			For Medium Clean, Add	9.68	
			For Heavy Clean, Add	29.95	

02 Existing Conditions**02 90 Disaster Recovery****02 90 50 Cleaning and Disaster Clean-up**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

02 90 50 00-0073	EA	2' x 4' Light Fixture, Light Clean For Disaster Clean-up	15.15
		<i>For Medium Clean, Add</i>	6.36
		<i>For Heavy Clean, Add</i>	19.70
02 90 50 00-0074	EA	Light Fixture, Light Clean For Disaster Clean-up	6.94
		<i>For Medium Clean, Add</i>	2.91
		<i>For Heavy Clean, Add</i>	9.02
02 90 50 00-0075	EA	Smoke Detector, Light Clean For Disaster Clean-up	5.37
		<i>For Medium Clean, Add</i>	2.26
		<i>For Heavy Clean, Add</i>	6.98
02 90 50 00-0076	EA	Thermostat, Light Clean For Disaster Clean-up	1.89
		<i>For Medium Clean, Add</i>	0.79
		<i>For Heavy Clean, Add</i>	2.46

02 90 50 00-0077 Thermal Fog (02 90 50 00-0008)

02 90 50 00-0078	CF	Clean And Deodorize Building With Thermal Fog For Disaster Clean-up	0.02
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02 90 50 00-0079 Contents Manipulation (02 90 50)

02 90 50 00-0080	SF	Cover Contents With 6 Mil Plastic Sheetting For Disaster Clean-up	0.25
02 90 50 00-0081	SF	Floor Protection, Adhesive Film For Disaster Clean-up	0.30
02 90 50 00-0082	SF	Move Contents Out And Later Reset For Disaster Clean-up	0.50
02 90 50 00-0083	MO	20' Long Job Site Storage Trailer For Disaster Clean-up	151.93
02 90 50 00-0084	MO	40' Long Job Site Storage Trailer For Disaster Clean-up	201.49
02 90 50 00-0085	EA	Delivery Or Pickup Job Site Storage Trailer For Disaster Clean-up	146.80

02 90 50 00-0086 Water Disaster Clean-up (02 90 50)

02 90 50 00-0087	LF	Detach Baseboard For Disaster Clean-up	0.69
02 90 50 00-0088	LF	Detach And Later Reset Baseboard For Disaster Clean-up	1.22
02 90 50 00-0089	EA	Block And Pad Furniture (Per Piece Of Furniture) For Disaster Clean-up	4.51
02 90 50 00-0090	SF	Water Extraction From Floor For Disaster Clean-up	0.47
02 90 50 00-0091	SF	Gray Water Extraction From Floor For Disaster Clean-up	0.76
02 90 50 00-0092	SF	Black Water Extraction From Floor For Disaster Clean-up	1.20
02 90 50 00-0093	SF	Tear Out Wet Non-Salvageable Carpet For Disaster Clean-up	0.38
02 90 50 00-0094	SF	Tear Out Wet Non-Salvageable Carpet, Black Water For Disaster Clean-up	0.44
02 90 50 00-0095	SF	Tear Out Wet Non-Salvageable Glue Down Carpet For Disaster Clean-up	0.66
02 90 50 00-0096	SF	Tear Out Wet Non-Salvageable Glue Down Carpet, Black Water For Disaster Clean-up	0.98
02 90 50 00-0097	SF	Tear Out Vinyl Flooring For Disaster Clean-up	0.92
02 90 50 00-0098	SF	Tear Out Vinyl Flooring, Black Water For Disaster Clean-up	1.35
02 90 50 00-0099	SF	Tear Out Wood Flooring, Black Water For Disaster Clean-up	3.50
02 90 50 00-0100	SF	Tear Out Laminated Wood Flooring For Disaster Clean-up	1.72
02 90 50 00-0101	SF	Tear Out Laminated Wood Flooring, Black Water For Disaster Clean-up	2.52
02 90 50 00-0102	SF	Tear Out Wet Ceiling Tile For Disaster Clean-up	0.29
02 90 50 00-0103	SF	Tear Out Batt Insulation For Disaster Clean-up	0.29
02 90 50 00-0104	SF	Tear Out Wet Gypsum Board For Disaster Clean-up	0.48
02 90 50 00-0105	SF	Apply Anti-microbial Agent For Disaster Clean-up	0.29
02 90 50 00-0106	SF	High Efficiency Particulate Air (HEPA) Vacuuming For Disaster Clean-up	0.36

02 90 50 00-0107 Board Up And Tarp Up (02 90 50)

02 90 50 00-0108	SF	Polyethylene Tarp On Roof For Disaster Clean-up	0.24
02 90 50 00-0109	SF	1/2" Temporary Plywood On Roof For Disaster Clean-up	1.48
02 90 50 00-0110	SF	5/8" Temporary Plywood On Roof For Disaster Clean-up	1.74
02 90 50 00-0111	SF	3/4" Temporary Plywood On Roof For Disaster Clean-up	1.90
02 90 50 00-0112	SF	1/2" Temporary Plywood On Wall Or Windows For Disaster Clean-up	1.86
02 90 50 00-0113	SF	5/8" Temporary Plywood On Wall Or Windows For Disaster Clean-up	2.12
02 90 50 00-0114	SF	3/4" Temporary Plywood On Wall Or Windows For Disaster Clean-up	2.28

02 90 50 00-0115 Minimum Charges (02 90 50)

02 90 50 00-0116	EA	Disaster Cleaning Minimum Charge	1,447.55
02 90 50 00-0117	EA	Disaster Water Extraction Minimum Charge	279.05
02 90 50 00-0118	EA	Disaster Carpet Cleaning Minimum Charge	195.62

02 90 50 00-0119 Document Restoration (02 90 50)

02 90 50 00-0120	EA	Book Rebinding, Each For Document Restoration	101.02
02 90 50 00-0121	EA	Book Recasing, Each For Document Restoration	50.50
02 90 50 00-0122	EA	Boxes-MCS, 1.2 CF For Document Restoration	9.41
02 90 50 00-0123	EA	Boxes-MCS, 2.0 CF For Document Restoration	10.38
02 90 50 00-0124	EA	Boxes Bankers For Document Restoration	16.14
02 90 50 00-0125	EA	Boxes Standard Packout For Document Restoration	6.02
02 90 50 00-0126	EA	Boxes X Ray For Document Restoration	10.11
02 90 50 00-0127	EA	CD Scanning and Diagnostics, Each For Document Restoration	10.11
02 90 50 00-0128	EA	Cleaning Antique Books, Each For Document Restoration	303.05
02 90 50 00-0129	EA	Cleaning Catheter Roll, Per Roll For Document Restoration	40.40
02 90 50 00-0130	EA	Cleaning CD And DVD, Per Disc For Document Restoration	4.06
02 90 50 00-0131	EA	Cleaning Level 1 - Blue Prints, Each For Document Restoration	4.21
02 90 50 00-0132	CF	Cleaning Level 1 - Document Per CF For Document Restoration	130.36
02 90 50 00-0133	EA	Cleaning Level 1 - Linen, Each For Document Restoration	4.21
02 90 50 00-0134	EA	Cleaning Level 1 - Mylar, Each For Document Restoration	4.21
02 90 50 00-0135	EA	Cleaning Level 2 - Blue Print, Each For Document Restoration	5.23
02 90 50 00-0136	CF	Cleaning Level 2 - Document Per CF For Document Restoration	195.37
02 90 50 00-0137	EA	Cleaning Level 2 - Linen, Each For Document Restoration	5.23

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0138	EA	Cleaning Level 2 - Mylar, Each For Document Restoration	5.23	
02 90 50 00-0139	EA	Cleaning Level 3 - Blue Prints, Each For Document Restoration.....	7.41	
02 90 50 00-0140	CF	Cleaning Level 3 - Document Per CF For Document Restoration	260.68	
02 90 50 00-0141	EA	Cleaning Level 3 - Linen, Each For Document Restoration	7.41	
02 90 50 00-0142	EA	Cleaning Level 3 - Mylar, Each For Document Restoration	7.41	
02 90 50 00-0143	EA	Cleaning Level 4 - All Fire-Blue Print, Each For Document Restoration	10.39	
02 90 50 00-0144	EA	Cleaning Level 4 - All Fire-Linen, Each For Document Restoration.....	10.39	
02 90 50 00-0145	EA	Cleaning Level 4 - All Fire-Mylar, Each For Document Restoration.....	10.39	
02 90 50 00-0146	CF	Cleaning Level 4 - Light Fire-Documnet Per CF For Document Restoration	325.79	
02 90 50 00-0147	EA	Cleaning Level 5 - Severe Fire-Blue Print, Each For Document Restoration.....	11.52	
02 90 50 00-0148	CF	Cleaning Level 5 - Severe Fire-Documnet Per CF For Document Restoration.....	488.83	
02 90 50 00-0149	EA	Cleaning Level 5 - Severe Fire-Linen, Each For Document Restoration	11.52	
02 90 50 00-0150	EA	Cleaning Level 5 - Severe Fire-Mylar, Each For Document Restoration	11.52	
02 90 50 00-0151	EA	Cleaning Microfiche Sheets, Each For Document Restoration	4.09	
02 90 50 00-0152	EA	Cleaning Microfiche Strips, Each For Document Restoration	0.95	
02 90 50 00-0153	EA	Cleaning Microfilm Rolls (In House), Per Roll For Document Restoration	101.02	
02 90 50 00-0154	EA	Cleaning Microfilm Rolls (Outside), Per Roll For Document Restoration	141.44	
02 90 50 00-0155	EA	Cleaning Photographs Negatives, Per Negative For Document Restoration.....	4.09	
02 90 50 00-0156	EA	Cleaning Photographs, Each For Document Restoration	0.95	
02 90 50 00-0157	EA	Cleaning Record Albums, Each For Document Restoration	4.06	
02 90 50 00-0158	EA	Cleaning VHS And Beta Tapes-In House, Each For Document Restoration	10.11	
02 90 50 00-0159	EA	Cleaning VHS And Beta Tapes-Outside, Each For Document Restoration	40.40	
02 90 50 00-0160	EA	Cleaning X Ray 1-1000, Per Film For Document Restoration	5.58	
02 90 50 00-0161	EA	Cleaning X Ray 1K-5K, Per Film For Document Restoration	4.76	
02 90 50 00-0162	EA	Cleaning X Ray 5K-Up, Per Film For Document Restoration	3.74	
02 90 50 00-0163	EA	Copying Clean Water, Per Page For Document Restoration	0.54	
02 90 50 00-0164	EA	Copying Greywater Fire, Per Page For Document Restoration	1.09	
02 90 50 00-0165	CF	Deodorization, Vapor Tech For Document Restoration	7.03	
02 90 50 00-0166	CF	Disinfectant-Fogging For Document Restoration	14.17	
02 90 50 00-0167	EA	Document Disposal In House No Shredding For Document Restoration.....	54.65	
02 90 50 00-0168	EA	Document Disposal In House With Shredding For Document Restoration.....	14.91	
02 90 50 00-0169	CF	Up To 150 CF, Drying-MCS Center For Document Restoration	181.83	
02 90 50 00-0170	CF	>150 To 500 CF, Drying-MCS Center For Document Restoration	141.44	
02 90 50 00-0171	CF	>500 CF, Drying-MCS Center For Document Restoration	121.22	
02 90 50 00-0172	CF	>50 To 150 CF, Drying-MCS Center For Document Restoration.....	161.63	
02 90 50 00-0173	CF	Up To 500 CF, Drying-Onsite For Document Restoration	303.05	
02 90 50 00-0174	CF	>500 CF, Drying-Onsite For Document Restoration	185.91	
02 90 50 00-0175	EA	Drying Antique Books, Each For Document Restoration	40.40	
02 90 50 00-0176	EA	Drying Blue Prints, Each For Document Restoration.....	5.05	
02 90 50 00-0177	EA	DVD Scanning And Diagnostics, Each For Document Restoration	10.11	
02 90 50 00-0178	EA	Freeze Drying (In House) For Document Restoration.....	135.56	
02 90 50 00-0179	EA	Freeze Drying (Outside) For Document Restoration.....	116.19	
02 90 50 00-0180	EA	Up To 48 CF, Irradiation - Gamma (Minimum Charge) For Document Restoration	3,195.22	
02 90 50 00-0181	CF	>48 CF, Irradiation - Gamma (Per CF Charge) For Document Restoration	29.05	
02 90 50 00-0182	EA	Minimal Drying Jobs For Document Restoration.....	1,345.87	
02 90 50 00-0183	EA	Monthly Storage For Document Restoration.....	225.04	
02 90 50 00-0184	EA	Mylar Prints For Document Restoration.....	10.11	
02 90 50 00-0185	CF	Ozoning For Document Restoration	6.32	
02 90 50 00-0186	CF	Stabilization Freezer Storage, Per Cubic Foot Per Month For Document Restoration	11.70	
02 90 50 00-0187	MO	Stabilization Freezer Storage, Per Page-Per Month For Document Restoration	0.10	
02 90 50 00-0188	EA	Wood Pallets, Each For Document Restoration.....	32.51	

02 90 55 Emergency Clean-up (02 90)

02 90 55 00-0001 Emergency Clean-up (02 90 55)

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections.

02 90 55 00-0002 Emergency Clean-up Labor (02 90 55 00-0001)

Note: Used in the performance of time and material projects. Labor costs are based on workers familiar with and skilled in the performance of the task following restoration requirements. Not to be used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections.

02 90 55 00-0003	HR	Skilled Tradesman For Emergency Clean Up.....	62.16	
02 90 55 00-0004	HR	Restoration / Document Laborer For Emergency Clean Up	43.51	
02 90 55 00-0005	HR	Restoration / Document Supervisor For Emergency Clean Up.....	59.83	
02 90 55 00-0006	HR	Restoration / Document Project Manager For Emergency Clean Up.....	97.90	
02 90 55 00-0007	HR	Assistant Project Manager For Emergency Clean Up.....	81.58	
02 90 55 00-0008	HR	Senior Project Manager For Emergency Clean Up.....	114.22	
02 90 55 00-0009	HR	Project Director / Document Consultant / Account Manager For Emergency Clean Up	163.17	
02 90 55 00-0010	HR	Equipment Technician For Emergency Clean Up	119.66	
02 90 55 00-0011	HR	Mold Remediation Laborer For Emergency Clean Up	59.57	
02 90 55 00-0012	HR	Mold Remediation Supervisor For Emergency Clean Up	81.58	
02 90 55 00-0013	HR	Administrative Personnel For Emergency Clean Up.....	38.07	
02 90 55 00-0014	HR	Project Accountant For Emergency Clean Up	62.16	
02 90 55 00-0015	HR	Biohazard Technician For Emergency Clean Up	86.38	
02 90 55 00-0016	HR	Biohazard Supervisor For Emergency Clean Up	103.86	
02 90 55 00-0017	HR	Health And Safety Officer For Emergency Clean Up	93.24	
02 90 55 00-0018	HR	Resource And Logistics Coordinator For Emergency Clean Up	67.34	
02 90 55 00-0019	HR	Loss Control Specialist For Emergency Clean Up	65.27	
02 90 55 00-0020	HR	Moisture Control Specialist For Emergency Clean Up	53.87	
02 90 55 00-0021	HR	Mobilization Support For Emergency Clean Up.....	33.15	

02 Existing Conditions**02 90 Disaster Recovery****02 90 55 Emergency Clean-up**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
02 90 55 00-0022**Emergency Clean-up Equipment** (02 90 55 00-0001)

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections.

02 90 55 00-0023**General Emergency Clean-up Equipment** (02 90 55 00-0022)

02 90 55 00-0024	DAY	265 CFM Portable Ozone Machine, 12,000 MG/HR For Emergency Clean-up	102.69
02 90 55 00-0025	WK	265 CFM Portable Ozone Machine, 12,000 MG/HR For Emergency Clean-up	391.76
02 90 55 00-0026	MO	265 CFM Portable Ozone Machine, 12,000 MG/HR For Emergency Clean-up	1,072.59
02 90 55 00-0027	DAY	13" Floor Buffer Rental For Emergency Clean-up	36.26
02 90 55 00-0028	WK	13" Floor Buffer Rental For Emergency Clean-up	81.74
02 90 55 00-0029	MO	13" Floor Buffer Rental For Emergency Clean-up	225.64
02 90 55 00-0030	DAY	17" Floor Buffer Rental For Emergency Clean-up	56.41
02 90 55 00-0031	WK	17" Floor Buffer Rental For Emergency Clean-up	143.90
02 90 55 00-0032	MO	17" Floor Buffer Rental For Emergency Clean-up	339.60
02 90 55 00-0033	DAY	Walk Behind Floor Scrubber Rental For Emergency Clean-up	310.82
02 90 55 00-0034	WK	Walk Behind Floor Scrubber Rental For Emergency Clean-up	834.62
02 90 55 00-0035	MO	Walk Behind Floor Scrubber Rental For Emergency Clean-up	2,325.42
02 90 55 00-0036	DAY	Ride-On Floor Scrubber Rental For Emergency Clean-up	702.23
02 90 55 00-0037	WK	Ride-On Floor Scrubber Rental For Emergency Clean-up	1,853.43
02 90 55 00-0038	MO	Ride-On Floor Scrubber Rental For Emergency Clean-up	4,996.21
02 90 55 00-0039	DAY	4 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	71.73
02 90 55 00-0040	WK	4 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	203.78
02 90 55 00-0041	MO	4 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	700.99
02 90 55 00-0042	DAY	8 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	66.84
02 90 55 00-0043	WK	8 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	179.32
02 90 55 00-0044	MO	8 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	464.61
02 90 55 00-0045	DAY	17 to 30 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	106.94
02 90 55 00-0046	WK	17 to 30 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	305.17
02 90 55 00-0047	MO	17 to 30 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	852.92
02 90 55 00-0048	DAY	Truck Mounted Extractor Rental For Emergency Clean-up	994.41
02 90 55 00-0049	WK	Truck Mounted Extractor Rental For Emergency Clean-up	2,983.22
02 90 55 00-0050	MO	Truck Mounted Extractor Rental For Emergency Clean-up	8,949.65
02 90 55 00-0051	DAY	16" Chain Saw Rental For Emergency Clean-up	78.25
02 90 55 00-0052	WK	16" Chain Saw Rental For Emergency Clean-up	176.06
02 90 55 00-0053	MO	16" Chain Saw Rental For Emergency Clean-up	469.50
02 90 55 00-0054	DAY	20" Chain Saw Rental For Emergency Clean-up	97.81
02 90 55 00-0055	WK	20" Chain Saw Rental For Emergency Clean-up	220.08
02 90 55 00-0056	MO	20" Chain Saw Rental For Emergency Clean-up	586.87
02 90 55 00-0057	EA	Cleaning Kit With Mop, Broom And Bucket For Emergency Clean-up	73.36
02 90 55 00-0058	DAY	14" To 16" Electric Cut Off Saw Rental For Emergency Clean-up	104.33
02 90 55 00-0059	WK	14" To 16" Electric Cut Off Saw Rental For Emergency Clean-up	285.28
02 90 55 00-0060	MO	14" To 16" Electric Cut Off Saw Rental For Emergency Clean-up	798.80
02 90 55 00-0061	DAY	12" To 14" Gasoline Cut Off Saw Rental For Emergency Clean-up	127.16
02 90 55 00-0062	WK	12" To 14" Gasoline Cut Off Saw Rental For Emergency Clean-up	432.00
02 90 55 00-0063	MO	12" To 14" Gasoline Cut Off Saw Rental For Emergency Clean-up	823.25
02 90 55 00-0064	DAY	Wet Or Dry Portable Cleaning Unit For Emergency Clean-up	118.21
02 90 55 00-0065	WK	Wet Or Dry Portable Cleaning Unit For Emergency Clean-up	325.08
02 90 55 00-0066	MO	Wet Or Dry Portable Cleaning Unit For Emergency Clean-up	886.59
02 90 55 00-0067	DAY	Extension Cords - 220 Volt For Emergency Clean-up	40.76
02 90 55 00-0068	DAY	Extension Cords - 220 Volt Converter Box For Emergency Clean-up	24.45
02 90 55 00-0069	DAY	Demolition Cart, 1 Yard For Emergency Clean-up	65.21
02 90 55 00-0070	WK	Demolition Cart, 1 Yard For Emergency Clean-up	179.32
02 90 55 00-0071	MO	Demolition Cart, 1 Yard For Emergency Clean-up	489.06
02 90 55 00-0072	DAY	Demolition Cart, 1-1/2 Yard For Emergency Clean-up	81.51
02 90 55 00-0073	WK	Demolition Cart, 1-1/2 Yard For Emergency Clean-up	224.15
02 90 55 00-0074	MO	Demolition Cart, 1-1/2 Yard For Emergency Clean-up	611.32
02 90 55 00-0075	EA	Demolition Kit With Wheel Barrow, Shovel And Broom For Emergency Clean-up	122.26
02 90 55 00-0076	DAY	Dry-Ice Blasting System For Emergency Clean-up	1,752.59
02 90 55 00-0077	DAY	Fogger - Mist For Emergency Clean-up	34.77
02 90 55 00-0078	WK	Fogger - Mist For Emergency Clean-up	95.61
02 90 55 00-0079	MO	Fogger - Mist For Emergency Clean-up	260.76
02 90 55 00-0080	DAY	Fogger - Electric Thermal For Emergency Clean-up	50.07
02 90 55 00-0081	WK	Fogger - Electric Thermal For Emergency Clean-up	137.68
02 90 55 00-0082	MO	Fogger - Electric Thermal For Emergency Clean-up	375.50
02 90 55 00-0083	DAY	Fogger - Gas Power Thermal For Emergency Clean-up	196.82
02 90 55 00-0084	WK	Fogger - Gas Power Thermal For Emergency Clean-up	541.27
02 90 55 00-0085	MO	Fogger - Gas Power Thermal For Emergency Clean-up	1,476.18
02 90 55 00-0086	EA	Gang Box, Demo/Framing (One Time Per Job) For Emergency Clean-up	165.56
02 90 55 00-0087	WK	Gang Box, Demo/Framing (One Time Per Job) For Emergency Clean-up	455.30
02 90 55 00-0088	MO	Gang Box, Demo/Framing (One Time Per Job) For Emergency Clean-up	1,241.72
02 90 55 00-0089	DAY	Hand Trucks/Dollies For Emergency Clean-up	19.56
02 90 55 00-0090	WK	Hand Trucks/Dollies For Emergency Clean-up	53.80
02 90 55 00-0091	MO	Hand Trucks/Dollies For Emergency Clean-up	146.72
02 90 55 00-0092	DAY	Heat Gun - Shrink Wrap For Emergency Clean-up	135.02
02 90 55 00-0093	WK	Heat Gun - Shrinkwrap For Emergency Clean-up	371.31
02 90 55 00-0094	MO	Heat Gun - Shrinkwrap For Emergency Clean-up	1,012.67
02 90 55 00-0095	DAY	High Efficiency Particulate Air (HEPA) Negative Air Machine For Emergency Clean-up	145.70
		Note: Includes all filters.	
02 90 55 00-0096	DAY	Ladder For Emergency Clean-up	27.71
02 90 55 00-0097	DAY	Lights - Demo, Drop, Stand, String For Emergency Clean-up	25.03
02 90 55 00-0098	DAY	Lights - Wobble For Emergency Clean-up	30.60
02 90 55 00-0099	DAY	Moisture Meter For Emergency Clean-up	41.72
02 90 55 00-0100	WK	Moisture Meter For Emergency Clean-up	114.73
02 90 55 00-0101	MO	Moisture Meter For Emergency Clean-up	312.91
02 90 55 00-0102	DAY	Nail Gun For Emergency Clean-up	73.36

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0103	WK	Nail Gun For Emergency Clean-up.....	201.74	
02 90 55 00-0104	MO	Nail Gun For Emergency Clean-up.....	550.19	
02 90 55 00-0105	DAY	Ozone Generator For Emergency Clean-up.....	173.84	
02 90 55 00-0106	DAY	PPE (Personal Protective Equipment) Mold Remediation Related For Emergency Clean-up.....	97.81	
02 90 55 00-0107	DAY	Portable Generator, Up To 7,500 Watt For Emergency Clean-up.....	139.07	
02 90 55 00-0108	DAY	Pressure Washer, Hot For Emergency Clean-up.....	208.61	
02 90 55 00-0109	DAY	Pressure Washer, Cold For Emergency Clean-up.....	139.07	
02 90 55 00-0110	DAY	Scaffolding - Per Section For Emergency Clean-up.....	105.96	
02 90 55 00-0111	DAY	Small Tools - Tool Box For Emergency Clean-up.....	40.76	
02 90 55 00-0112	DAY	Soda Blasting Equipment For Emergency Clean-up.....	1,739.09	
02 90 55 00-0113	DAY	Sprayer - Hudson For Emergency Clean-up.....	13.04	
02 90 55 00-0114	WK	Sprayer - Hudson For Emergency Clean-up.....	35.86	
02 90 55 00-0115	MO	Sprayer - Hudson For Emergency Clean-up.....	97.81	
02 90 55 00-0116	DAY	0.47 GPM, Airless Paint Sprayer For Emergency Clean-up.....	88.10	
02 90 55 00-0117	WK	0.47 GPM, Airless Paint Sprayer For Emergency Clean-up.....	259.20	
02 90 55 00-0118	MO	0.47 GPM, Airless Paint Sprayer For Emergency Clean-up.....	887.19	
02 90 55 00-0119	DAY	0.60 GPM, Airless Paint Sprayer For Emergency Clean-up.....	173.71	
02 90 55 00-0120	WK	0.60 GPM, Airless Paint Sprayer For Emergency Clean-up.....	409.47	
02 90 55 00-0121	MO	0.60 GPM, Airless Paint Sprayer For Emergency Clean-up.....	1,141.56	
02 90 55 00-0122	DAY	0.80 GPM, Airless Paint Sprayer For Emergency Clean-up.....	186.12	
02 90 55 00-0123	WK	0.80 GPM, Airless Paint Sprayer For Emergency Clean-up.....	465.31	
02 90 55 00-0124	MO	0.80 GPM, Airless Paint Sprayer For Emergency Clean-up.....	1,253.23	
02 90 55 00-0125	DAY	Storage Space (Per SF Per Day) For Emergency Clean-up.....	4.69	
02 90 55 00-0126	DAY	Submersible Pump For Emergency Clean-up.....	34.77	
02 90 55 00-0127	DAY	Trash Pump - 2" Gas Powered For Emergency Clean-up.....	250.24	
02 90 55 00-0128	DAY	Vehicle, Pick-up, SUV, Car For Emergency Clean-up.....	124.22	
02 90 55 00-0129	DAY	Vehicle, Van For Emergency Clean-up.....	202.53	
02 90 55 00-0130	DAY	16' Or 24' Box Truck Vehicle For Emergency Clean-up.....	273.37	
		Note: Includes Mileage		
02 90 55 00-0131	DAY	Trailer - Refrigerated 40' Storage For Emergency Clean-up.....	269.14	
02 90 55 00-0132	DAY	Utility Trailer For Emergency Clean-up.....	224.14	
		Note: Includes Mileage		
02 90 55 00-0133	DAY	Truck Mount, Per Wand Extraction For Emergency Clean-up.....	1,010.87	
02 90 55 00-0134	DAY	High Efficiency Particulate Air (HEPA) Backpack Vacuum For Emergency Clean-up.....	34.77	
02 90 55 00-0135	WK	High Efficiency Particulate Air (HEPA) Backpack Vacuum For Emergency Clean-up.....	95.61	
02 90 55 00-0136	MO	High Efficiency Particulate Air (HEPA) Backpack Vacuum For Emergency Clean-up.....	260.76	
02 90 55 00-0137	DAY	12 Gallon, Industrial High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up.....	118.21	
02 90 55 00-0138	WK	12 Gallon, Industrial High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up.....	325.08	
02 90 55 00-0139	MO	12 Gallon, Industrial High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up.....	886.59	
02 90 55 00-0140	DAY	Vacuum - Upright For Emergency Clean-up.....	29.70	
02 90 55 00-0141	WK	Vacuum - Upright For Emergency Clean-up.....	81.69	
02 90 55 00-0142	MO	Vacuum - Upright For Emergency Clean-up.....	222.79	
02 90 55 00-0143	DAY	12 To 23 Gallon, Wet/Dry Shop Vacuum For Emergency Clean-up.....	50.54	
02 90 55 00-0144	WK	12 To 23 Gallon, Wet/Dry Shop Vacuum For Emergency Clean-up.....	125.53	
02 90 55 00-0145	MO	12 To 23 Gallon, Wet/Dry Shop Vacuum For Emergency Clean-up.....	301.59	
02 90 55 00-0146	DAY	55 Gallon Wet/Dry Drum Top Vacuum For Emergency Clean-up.....	50.54	
02 90 55 00-0147	WK	55 Gallon Wet/Dry Drum Top Vacuum For Emergency Clean-up.....	125.53	
02 90 55 00-0148	MO	55 Gallon Wet/Dry Drum Top Vacuum For Emergency Clean-up.....	317.89	
02 90 55 00-0149	DAY	17 Gallon Wet Vacuum With Pump Discharge For Emergency Clean-up.....	115.74	
02 90 55 00-0150	WK	17 Gallon Wet Vacuum With Pump Discharge For Emergency Clean-up.....	309.74	
02 90 55 00-0151	MO	17 Gallon Wet Vacuum With Pump Discharge For Emergency Clean-up.....	864.01	
02 90 55 00-0152	DAY	Zip Wall Poles (Per 2 Poles) For Emergency Clean-up.....	34.77	
02 90 55 00-0153	WK	Zip Wall Poles (Per 2 Poles) For Emergency Clean-up.....	95.61	
02 90 55 00-0154	MO	Zip Wall Poles (Per 2 Poles) For Emergency Clean-up.....	260.76	
02 90 55 00-0155	DAY	10' x 10' Canopy For Emergency Clean-up.....	102.70	
02 90 55 00-0156	WK	10' x 10' Canopy For Emergency Clean-up.....	205.41	
02 90 55 00-0157	MO	10' x 10' Canopy For Emergency Clean-up.....	410.81	
02 90 55 00-0158	DAY	10' x 20' Canopy For Emergency Clean-up.....	205.41	
02 90 55 00-0159	WK	10' x 20' Canopy For Emergency Clean-up.....	410.81	
02 90 55 00-0160	MO	10' x 20' Canopy For Emergency Clean-up.....	821.62	
02 90 55 00-0161	DAY	16' x 16' Canopy For Emergency Clean-up.....	257.57	
02 90 55 00-0162	WK	16' x 16' Canopy For Emergency Clean-up.....	515.14	
02 90 55 00-0163	MO	16' x 16' Canopy For Emergency Clean-up.....	1,030.29	
02 90 55 00-0164	DAY	20' x 20' Canopy For Emergency Clean-up.....	342.34	
02 90 55 00-0165	WK	20' x 20' Canopy For Emergency Clean-up.....	684.68	
02 90 55 00-0166	MO	20' x 20' Canopy For Emergency Clean-up.....	1,369.37	
02 90 55 00-0167	DAY	20' x 30' Canopy For Emergency Clean-up.....	391.25	
02 90 55 00-0168	WK	20' x 30' Canopy For Emergency Clean-up.....	782.50	
02 90 55 00-0169	MO	20' x 30' Canopy For Emergency Clean-up.....	1,564.99	
02 90 55 00-0170	DAY	20' x 40' Canopy For Emergency Clean-up.....	456.46	
02 90 55 00-0171	WK	20' x 40' Canopy For Emergency Clean-up.....	912.91	
02 90 55 00-0172	MO	20' x 40' Canopy For Emergency Clean-up.....	1,825.82	
02 90 55 00-0173	DAY	First Aid Station For Emergency Clean-up.....	246.49	
02 90 55 00-0174	WK	First Aid Station For Emergency Clean-up.....	677.84	
02 90 55 00-0175	MO	First Aid Station For Emergency Clean-up.....	1,848.65	
02 90 55 00-0176	DAY	Portable Eyewash Station For Emergency Clean-up.....	74.86	
02 90 55 00-0177	WK	Portable Eyewash Station For Emergency Clean-up.....	205.86	
02 90 55 00-0178	MO	Portable Eyewash Station For Emergency Clean-up.....	561.44	
02 90 55 00-0179	DAY	2 Way Radio For Emergency Clean-up.....	40.67	
02 90 55 00-0180 Technical/Electronics Restoration Equipment (02 90 55 00-0022)				
02 90 55 00-0181	DAY	Computer - Diagnostic For Emergency Clean-up.....	40.76	
02 90 55 00-0182	WK	Computer - Diagnostic For Emergency Clean-up.....	112.08	
02 90 55 00-0183	MO	Computer - Diagnostic For Emergency Clean-up.....	305.66	

02 Existing Conditions**02 90 Disaster Recovery****02 90 55 Emergency Clean-up**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 90 55 00-0184	DAY	Convection Oven - Large For Emergency Clean-up	785.83
02 90 55 00-0185	WK	Convection Oven - Large For Emergency Clean-up	2,161.04
02 90 55 00-0186	MO	Convection Oven - Large For Emergency Clean-up	5,893.73
02 90 55 00-0187	DAY	Convection Oven - Small For Emergency Clean-up	146.72
02 90 55 00-0188	WK	Convection Oven - Small For Emergency Clean-up	403.47
02 90 55 00-0189	MO	Convection Oven - Small For Emergency Clean-up	1,100.38
02 90 55 00-0190	DAY	Convection Oven - Vacuum For Emergency Clean-up	1,121.59
02 90 55 00-0191	WK	Convection Oven - Vacuum For Emergency Clean-up	3,084.36
02 90 55 00-0192	MO	Convection Oven - Vacuum For Emergency Clean-up	8,411.90
02 90 55 00-0193	DAY	Decontamination Booth For Emergency Clean-up	927.15
02 90 55 00-0194	WK	Decontamination Booth For Emergency Clean-up	2,549.67
02 90 55 00-0195	MO	Decontamination Booth For Emergency Clean-up	6,953.66
02 90 55 00-0196	DAY	DI Water System For Emergency Clean-up	72.01
02 90 55 00-0197	WK	DI Water System For Emergency Clean-up	198.03
02 90 55 00-0198	MO	DI Water System For Emergency Clean-up	540.09
02 90 55 00-0199	DAY	ESD Bench Workstation For Emergency Clean-up	44.11
02 90 55 00-0200	WK	ESD Bench Workstation For Emergency Clean-up	121.30
02 90 55 00-0201	MO	ESD Bench Workstation For Emergency Clean-up	330.81
02 90 55 00-0202	DAY	Heater/Enclosure Control System For Emergency Clean-up	24.45
02 90 55 00-0203	WK	Heater/Enclosure Control System For Emergency Clean-up	67.25
02 90 55 00-0204	MO	Heater/Enclosure Control System For Emergency Clean-up	183.40
02 90 55 00-0205	DAY	Hi-Tech Mobile Cart/Workstation For Emergency Clean-up	113.42
02 90 55 00-0206	WK	Hi-Tech Mobile Cart/Workstation For Emergency Clean-up	311.90
02 90 55 00-0207	MO	Hi-Tech Mobile Cart/Workstation For Emergency Clean-up	850.64
02 90 55 00-0208	DAY	Micro-Blaster/Dust Collector For Emergency Clean-up	366.80
02 90 55 00-0209	WK	Micro-Blaster/Dust Collector For Emergency Clean-up	1,008.69
02 90 55 00-0210	MO	Micro-Blaster/Dust Collector For Emergency Clean-up	2,750.96
02 90 55 00-0211	DAY	Mobile Laboratory For Emergency Clean-up	1,018.88
02 90 55 00-0212	WK	Mobile Laboratory For Emergency Clean-up	2,801.91
02 90 55 00-0213	MO	Mobile Laboratory For Emergency Clean-up	7,641.56
02 90 55 00-0214	DAY	Nitrogen Enclosure Cabinet For Emergency Clean-up	19.56
02 90 55 00-0215	WK	Nitrogen Enclosure Cabinet For Emergency Clean-up	53.80
02 90 55 00-0216	MO	Nitrogen Enclosure Cabinet For Emergency Clean-up	146.72
02 90 55 00-0217	DAY	Odell Cleaning Station For Emergency Clean-up	570.57
02 90 55 00-0218	WK	Odell Cleaning Station For Emergency Clean-up	1,569.07
02 90 55 00-0219	MO	Odell Cleaning Station For Emergency Clean-up	4,279.28
02 90 55 00-0220	DAY	Parts Washer For Emergency Clean-up	40.76
02 90 55 00-0221	WK	Parts Washer For Emergency Clean-up	112.08
02 90 55 00-0222	MO	Parts Washer For Emergency Clean-up	305.66
02 90 55 00-0223	DAY	Ultrasonic Cleaning System For Emergency Clean-up	337.56
02 90 55 00-0224	WK	Ultrasonic Cleaning System For Emergency Clean-up	928.28
02 90 55 00-0225	MO	Ultrasonic Cleaning System For Emergency Clean-up	2,531.67
02 90 55 00-0226	DAY	Technical High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	160.68
02 90 55 00-0227	WK	Technical High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	441.86
02 90 55 00-0228	MO	Technical High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	1,205.08

02 90 55 00-0229 Drying/Dehumidification Equipment (02 90 55 00-0022)

02 90 55 00-0230	DAY	202 CFM Water Extraction Unit With Dual 3-Stage Vacuums For Emergency Clean-up	173.84
		Note: Includes 25' high-pressure solution hose and 25' Vacuum hose.	
02 90 55 00-0231	WK	202 CFM Water Extraction Unit With Dual 3-Stage Vacuums For Emergency Clean-up	478.06
		Note: Includes 25' high-pressure solution hose and 25' Vacuum hose.	
02 90 55 00-0232	MO	202 CFM Water Extraction Unit With Dual 3-Stage Vacuums For Emergency Clean-up	1,303.80
		Note: Includes 25' high-pressure solution hose and 25' Vacuum hose.	
02 90 55 00-0233	DAY	3,000 CFM Axial Air Mover For Emergency Clean-up	98.93
02 90 55 00-0234	WK	3,000 CFM Axial Air Mover For Emergency Clean-up	272.07
02 90 55 00-0235	MO	3,000 CFM Axial Air Mover For Emergency Clean-up	742.00
02 90 55 00-0236	DAY	Injectidry System For Emergency Clean-up	215.56
02 90 55 00-0237	WK	Injectidry System For Emergency Clean-up	592.80
02 90 55 00-0238	MO	Injectidry System For Emergency Clean-up	1,616.72
02 90 55 00-0239	DAY	Up To 100 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	139.07
02 90 55 00-0240	WK	Up To 100 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	382.45
02 90 55 00-0241	MO	Up To 100 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	1,043.04
02 90 55 00-0242	DAY	>100 To 175 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	165.56
02 90 55 00-0243	WK	>100 To 175 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	455.30
02 90 55 00-0244	MO	>100 To 175 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	1,241.72
02 90 55 00-0245	DAY	>175 To 250 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	192.05
02 90 55 00-0246	WK	>175 To 250 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	528.14
02 90 55 00-0247	MO	>175 To 250 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	1,440.39
02 90 55 00-0248	DAY	Phoenix 200 Refrigerant Dehumidifier For Emergency Clean-up	205.30
02 90 55 00-0249	WK	Phoenix 200 Refrigerant Dehumidifier For Emergency Clean-up	564.57
02 90 55 00-0250	MO	Phoenix 200 Refrigerant Dehumidifier For Emergency Clean-up	1,539.73
02 90 55 00-0251	DAY	Phoenix 300 Refrigerant Dehumidifier For Emergency Clean-up	205.30
02 90 55 00-0252	WK	Phoenix 300 Refrigerant Dehumidifier For Emergency Clean-up	564.57
02 90 55 00-0253	MO	Phoenix 300 Refrigerant Dehumidifier For Emergency Clean-up	1,539.73
02 90 55 00-0254	DAY	D-500 Desiccant Dehumidifier For Emergency Clean-up	231.79
02 90 55 00-0255	WK	D-500 Desiccant Dehumidifier For Emergency Clean-up	637.42
02 90 55 00-0256	MO	D-500 Desiccant Dehumidifier For Emergency Clean-up	1,738.41
02 90 55 00-0257	DAY	D-750 Desiccant Dehumidifier For Emergency Clean-up	486.75
02 90 55 00-0258	WK	D-750 Desiccant Dehumidifier For Emergency Clean-up	1,338.57
02 90 55 00-0259	MO	D-750 Desiccant Dehumidifier For Emergency Clean-up	3,650.65
02 90 55 00-0260	DAY	D-1000 Desiccant Dehumidifier For Emergency Clean-up	834.44
02 90 55 00-0261	WK	D-1000 Desiccant Dehumidifier For Emergency Clean-up	2,294.70
02 90 55 00-0262	MO	D-1000 Desiccant Dehumidifier For Emergency Clean-up	6,258.26
02 90 55 00-0263	DAY	D-1500 Desiccant Dehumidifier For Emergency Clean-up	1,284.76

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0264	WK	D-1500 Desiccant Dehumidifier For Emergency Clean-up	3,533.10	
02 90 55 00-0265	MO	D-1500 Desiccant Dehumidifier For Emergency Clean-up	9,635.74	
02 90 55 00-0266	DAY	D-2000 Desiccant Dehumidifier For Emergency Clean-up	1,284.76	
02 90 55 00-0267	WK	D-2000 Desiccant Dehumidifier For Emergency Clean-up	3,533.10	
02 90 55 00-0268	MO	D-2000 Desiccant Dehumidifier For Emergency Clean-up	9,635.74	
02 90 55 00-0269	DAY	D-2250 Desiccant Dehumidifier For Emergency Clean-up	1,341.72	
02 90 55 00-0270	WK	D-2250 Desiccant Dehumidifier For Emergency Clean-up	3,689.73	
02 90 55 00-0271	MO	D-2250 Desiccant Dehumidifier For Emergency Clean-up	10,062.89	
02 90 55 00-0272	DAY	D-3000 Desiccant Dehumidifier For Emergency Clean-up	1,668.87	
02 90 55 00-0273	WK	D-3000 Desiccant Dehumidifier For Emergency Clean-up	4,589.39	
02 90 55 00-0274	MO	D-3000 Desiccant Dehumidifier For Emergency Clean-up	12,516.52	
02 90 55 00-0275	DAY	D-4500 Desiccant Dehumidifier For Emergency Clean-up	1,877.48	
02 90 55 00-0276	WK	D-4500 Desiccant Dehumidifier For Emergency Clean-up	5,163.07	
02 90 55 00-0277	MO	D-4500 Desiccant Dehumidifier For Emergency Clean-up	14,081.09	
02 90 55 00-0278	DAY	D-5000 Desiccant Dehumidifier For Emergency Clean-up	2,016.55	
02 90 55 00-0279	WK	D-5000 Desiccant Dehumidifier For Emergency Clean-up	5,545.52	
02 90 55 00-0280	MO	D-5000 Desiccant Dehumidifier For Emergency Clean-up	15,124.13	
02 90 55 00-0281	DAY	D-9000 Desiccant Dehumidifier For Emergency Clean-up	2,649.00	
02 90 55 00-0282	WK	D-9000 Desiccant Dehumidifier For Emergency Clean-up	7,284.75	
02 90 55 00-0283	MO	D-9000 Desiccant Dehumidifier For Emergency Clean-up	19,867.50	
02 90 55 00-0284	DAY	D-10500 Desiccant Dehumidifier For Emergency Clean-up	2,781.45	
02 90 55 00-0285	WK	D-10500 Desiccant Dehumidifier For Emergency Clean-up	7,648.99	
02 90 55 00-0286	MO	D-10500 Desiccant Dehumidifier For Emergency Clean-up	20,860.88	
02 90 55 00-0287	DAY	3.5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	660.83	
02 90 55 00-0288	WK	3.5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	1,817.28	
02 90 55 00-0289	MO	3.5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	4,956.23	
02 90 55 00-0290	DAY	5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	915.00	
02 90 55 00-0291	WK	5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	2,516.24	
02 90 55 00-0292	MO	5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	6,862.47	
02 90 55 00-0293	DAY	10 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	834.44	
02 90 55 00-0294	WK	10 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	2,294.70	
02 90 55 00-0295	MO	10 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	6,258.26	
02 90 55 00-0296	DAY	25 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	1,112.58	
02 90 55 00-0297	WK	25 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	3,059.60	
02 90 55 00-0298	MO	25 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	8,344.35	
02 90 55 00-0299	DAY	50 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	1,877.48	
02 90 55 00-0300	WK	50 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	5,163.07	
02 90 55 00-0301	MO	50 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	14,081.09	
02 90 55 00-0302	DAY	80 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	2,086.09	
02 90 55 00-0303	WK	80 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	5,736.74	
02 90 55 00-0304	MO	80 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	15,645.66	
02 90 55 00-0305	DAY	25' Flex Duct For Emergency Clean-up	27.81	
02 90 55 00-0306	WK	25' Flex Duct For Emergency Clean-up	76.49	
02 90 55 00-0307	MO	25' Flex Duct For Emergency Clean-up	208.61	
02 90 55 00-0308	DAY	Hygrothermograph For Emergency Clean-up	40.76	
02 90 55 00-0309	WK	Hygrothermograph For Emergency Clean-up	112.08	
02 90 55 00-0310	MO	Hygrothermograph For Emergency Clean-up	305.66	
02 90 55 00-0311	DAY	Dehumidification Trailer With 1,500 CFM Desiccant Unit For Emergency Clean-up	9,567.86	
		Note: Includes 400 KW generator, 1500 CFM desiccant DH, 25 Ton DX unit, 1000 gallon fuel tank, and limited electrical distribution.		
02 90 55 00-0312	WK	Dehumidification Trailer With 1,500 CFM Desiccant Unit For Emergency Clean-up	26,311.62	
		Note: Includes 400 KW generator, 1500 CFM desiccant DH, 25 Ton DX unit, 1000 gallon fuel tank, and limited electrical distribution.		
02 90 55 00-0313	MO	Dehumidification Trailer With 1,500 CFM Desiccant Unit For Emergency Clean-up	71,758.97	
		Note: Includes 400 KW generator, 1500 CFM desiccant DH, 25 Ton DX unit, 1000 gallon fuel tank, and limited electrical distribution.		
02 90 55 00-0314 Power Equipment (02 90 55 00-0022)				
02 90 55 00-0315	WK	Up to 65 KVA Generator For Emergency Clean-up	1,258.72	
02 90 55 00-0316	WK	>65 to 125 KVA Generator For Emergency Clean-up	2,130.15	
02 90 55 00-0317	WK	>125 to 250 KVA Generator For Emergency Clean-up	2,077.59	
02 90 55 00-0318	WK	>250 to 375 KVA Generator For Emergency Clean-up	3,582.52	
02 90 55 00-0319	WK	>375 Up to 440 KVA Generator For Emergency Clean-up	4,841.25	
02 90 55 00-0320	WK	>440 to 625 KVA Generator For Emergency Clean-up	7,289.80	
02 90 55 00-0321	WK	>625 to 800 KVA Generator For Emergency Clean-up	7,455.52	
02 90 55 00-0322	WK	>800 to 1,000 KVA Generator For Emergency Clean-up	9,972.98	
02 90 55 00-0323	WK	>1,000 to 1,500 KVA Generator For Emergency Clean-up.....	15,007.88	
02 90 55 00-0324	EA	Generator Cable/Pigtails (Per Section) For Emergency Clean-up	32.53	
02 90 55 00-0325	EA	Sub-Distribution Panel (Spider Box) For Emergency Clean-up	155.89	
02 90 55 00-0326	EA	Electrical Distribution Panel For Emergency Clean-up	337.56	
02 90 55 00-0327	EA	Quad Box Strings (25' Sections) For Emergency Clean-up	58.58	
02 90 55 00-0328	EA	50' Power Cord For Spider Box For Emergency Clean-up	54.22	
02 90 55 00-0329	EA	Pig Tails (Per Each) For Emergency Clean-up	4.08	
02 90 55 00-0330 Freight Charges (02 90 55 00-0022)				
02 90 55 00-0331	MI	Freight Up To 1 Ton Pick Up Truck For Emergency Clean-up Equipment	2.04	
02 90 55 00-0332	MI	Freight >1 Ton Pick Up Truck For Emergency Clean-up Equipment	3.67	
02 90 55 00-0333	MI	Freight 16' Or 24' Box Truck For Emergency Clean-up Equipment	3.67	
02 90 55 00-0334	MI	Freight Tractor Trailer For Emergency Clean-up Equipment	5.30	
02 90 55 00-0335 Emergency Clean-up Personal Protection Equipment (02 90 55 00-0001)				
		Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections.		

02 Existing Conditions**02 90 Disaster Recovery****02 90 55 Emergency Clean-up**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

02 90 55 00-0336	EA	Tyvek Coveralls For Emergency Clean-up Personal Protection Equipment.....	11.51
02 90 55 00-0337	EA	Tyvek Coveralls With Elastic Wrists And Ankles For Emergency Clean-up Personal Protection Equipment.....	14.08
02 90 55 00-0338	EA	Tyvek Coveralls With Hood, Elastic Wrists And Ankles For Emergency Clean-up Personal Protection Equipment.....	14.76
02 90 55 00-0339	EA	Tyvek Coveralls With Hood, Boots, Elastic Wrists And Ankles For Emergency Clean-up Personal Protection Equipment	18.61
02 90 55 00-0340	EA	Disposable Dual Cartridge Half-Mask Respirator For Emergency Clean-up Personal Protection Equipment	129.50
02 90 55 00-0341	EA	N95 Respirator For Emergency Clean-up Personal Protection Equipment.....	5.04
02 90 55 00-0342	EA	N95 Respirator With Valve For Emergency Clean-up Personal Protection Equipment	5.89
02 90 55 00-0343	PR	3M Respirator Cartridges For Emergency Clean-up Personal Protection Equipment.....	39.54
02 90 55 00-0344	EA	Respirator Cleaning Wipes, Per Box 100 For Emergency Clean-up Personal Protection Equipment	31.64
02 90 55 00-0345	PR	P100 Respirator Cartridges For Emergency Clean-up Personal Protection Equipment	39.54
02 90 55 00-0346	EA	Respirator Cartridge For Emergency Clean-up Personal Protection Equipment	40.21
02 90 55 00-0347	BOX	Dust Mask, Box of 50, For Emergency Clean-up Personal Protection Equipment.....	44.83
02 90 55 00-0348	PR	Cotton Canvas Gloves For Emergency Clean-up Personal Protection Equipment.....	4.05
02 90 55 00-0349	BOX	5 Mil, Disposable Latex Gloves, Box of 100, For Emergency Clean-up Personal Protection Equipment	20.86
02 90 55 00-0350	PR	4 Mil, Disposable Nitrile Gloves For Emergency Clean-up Personal Protection Equipment	0.44
02 90 55 00-0351	PR	5 Mil, Disposable Vinyl Gloves For Emergency Clean-up Personal Protection Equipment.....	0.37
02 90 55 00-0352	PR	17 Mil, Latex Gloves For Emergency Clean-up Personal Protection Equipment	1.76
02 90 55 00-0353	PR	15 Mil, Nitrile Gloves For Emergency Clean-up Personal Protection Equipment.....	4.19
02 90 55 00-0354	PR	Vinyl Coated Gloves With Knit Lining For Emergency Clean-up Personal Protection Equipment	5.74
02 90 55 00-0355	PR	30 Mil, Polyvinyl Chloride (PVC) And Polyvinyl Chloride (PVC) Blend Gloves For Emergency Clean-up Personal Protection Equipment	6.43
02 90 55 00-0356	PR	Leather Gloves For Emergency Clean-up Personal Protection Equipment	10.44
02 90 55 00-0357	EA	Heavy-Duty, Rubber Gloves For Emergency Clean-up Personal Protection Equipment	17.81
02 90 55 00-0358	PR	Polycarbonate Lens Safety Goggles For Emergency Clean-up Personal Protection Equipment.....	12.06
02 90 55 00-0359	PR	Chemical Splash/Impact Resistant, Polycarbonate Lens Safety Goggles For Emergency Clean-up Personal Protection Equipment	19.89
02 90 55 00-0360	PR	Plastic Safety Glasses For Emergency Clean-up Personal Protection Equipment.....	5.28
02 90 55 00-0361	EA	Safety Harness (Per Person/Day) For Emergency Clean-up Personal Protection Equipment.....	6.95

02 90 55 00-0362**Emergency Clean-up Expendables** (02 90 55 00-0001)

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning,
Contents Manipulation, and Water Emergency Clean-up sections.

02 90 55 00-0363**General Materials** (02 90 55 00-0362)

02 90 55 00-0364	GAL	Adhesive Remover For Emergency Clean-up.....	83.44
02 90 55 00-0365	GAL	Bioside-HS Cleaning Solution For Emergency Clean-up	27.79
02 90 55 00-0366	GAL	Biocide Mold Cleaning Solution For Emergency Clean-up	35.46
02 90 55 00-0367	EA	10" x 12" x 15" Cardboard Storage Box For Emergency Clean-up	4.40
02 90 55 00-0368	EA	10" x 12" x 24" Cardboard Storage Box For Emergency Clean-up	6.68
02 90 55 00-0369	EA	10" x 15" x 24" Cardboard Storage Box For Emergency Clean-up	6.68
02 90 55 00-0370	GAL	Bleach For Emergency Clean-up.....	8.97
02 90 55 00-0371	EA	Small Stainless Brush For Emergency Clean-up	7.20
02 90 55 00-0372	EA	2-1/2 Gallon Buckets For Emergency Clean-up.....	6.89
02 90 55 00-0373	EA	5 Gallon Bucket For Emergency Clean-up.....	10.43
02 90 55 00-0374	GAL	Carpet Defoamer For Emergency Clean-up	26.84
02 90 55 00-0375	GAL	Carpet Pre-treat For Emergency Clean-up	26.64
02 90 55 00-0376	GAL	Carpet Spotter For Emergency Clean-up.....	44.65
02 90 55 00-0377	GAL	Carpet/Upholstery Cleaner For Emergency Clean-up	36.01
02 90 55 00-0378	ROL	Carpet Masking/Shield For Emergency Clean-up.....	111.47
02 90 55 00-0379	EA	Chemical Sponge For Emergency Clean-up.....	3.28
02 90 55 00-0380	GAL	Clear Seal For Emergency Clean-up	112.19
02 90 55 00-0381	GAL	Coil Cleaner For Emergency Clean-up	76.74
02 90 55 00-0382	EA	Decontamination Chamber For Emergency Clean-up	333.47
02 90 55 00-0383	GAL	All Purpose Degreaser For Emergency Clean-up	36.72
02 90 55 00-0384	GAL	Heavy-Duty Degreaser For Emergency Clean-up	43.69
02 90 55 00-0385	GAL	De-Foamer Liquid For Emergency Clean-up	48.25
02 90 55 00-0386	EA	Deodorization Membrane For Emergency Clean-up.....	93.46
02 90 55 00-0387	GAL	9-D-9 Smoke Deodorizer For Emergency Clean-up	144.24
02 90 55 00-0388	LB	Deodorizing Gel For Emergency Clean-up	33.89
02 90 55 00-0389	GAL	Deodorizing Liquid For Emergency Clean-up	49.56
02 90 55 00-0390	PAIL	Deodorizing Block For Emergency Clean-up.....	8.52
02 90 55 00-0391	GAL	Disinfectant/Anti-microbial For Emergency Clean-up.....	87.93
02 90 55 00-0392	GAL	BruClean Disinfectant For Emergency Clean-up	39.04
02 90 55 00-0393	GAL	Dryclean For Emergency Clean-up	38.94
02 90 55 00-0394	GAL	Duct Sealant Spray For Emergency Clean-up	58.69
02 90 55 00-0395	GAL	Antifungal Duct Sealant For Emergency Clean-up	84.77
02 90 55 00-0396	GAL	Microbial Encapsulant (Fosters 20 - 40) For Emergency Clean-up	130.08
02 90 55 00-0397	PR	Ear Plugs For Emergency Clean-up Personal Protection Equipment	0.53
02 90 55 00-0398	GAL	Encapsulant For Emergency Clean-up	118.10
02 90 55 00-0399	GAL	Aftershock Fiberlocke For Emergency Clean-up	103.70
02 90 55 00-0400	GAL	IAQ 2500 Fiberlocke For Emergency Clean-up.....	100.66
02 90 55 00-0401	GAL	IAS 6000 Fiberlocke For Emergency Clean-up.....	103.52
02 90 55 00-0402	ROL	Filter Material For Emergency Clean-up	299.07
02 90 55 00-0403	EA	Blue Paper Collection Bag Filter For Emergency Clean-up	8.06
02 90 55 00-0404	EA	CVAC Filter For High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up.....	639.66
02 90 55 00-0405	EA	Pre-Filter For Negative Air Machine For Emergency Clean-up.....	3.07
02 90 55 00-0406	EA	Pleated Filter For Negative Air Machine For Emergency Clean-up	13.66
02 90 55 00-0407	EA	Charcoal Filter For Negative Air Machine For Emergency Clean-up	48.64
02 90 55 00-0408	EA	High Efficiency Particulate Air (HEPA) Filter For Negative Air Machine For Emergency Clean-up.....	462.65
02 90 55 00-0409	EA	Pleated Dehumidifier Filter For Emergency Clean-up.....	12.21
02 90 55 00-0410	GAL	Floor Stripper For Emergency Clean-up	18.26
02 90 55 00-0411	GAL	Floor Wax For Emergency Clean-up	26.08
02 90 55 00-0412	GAL	Fogger (Thermal) For Emergency Clean-up.....	152.98
02 90 55 00-0413	BOX	Furniture Blocks For Emergency Clean-up.....	123.22

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0414	EA	Furniture Polish, Per 10 Oz Can For Emergency Clean-up	16.60	
02 90 55 00-0415	GAL	Glass Cleaner For Emergency Clean-up	11.07	
02 90 55 00-0416	EA	Goof Off Spray, 12 Oz For Emergency Clean-up	19.36	
02 90 55 00-0417	EA	Halogen Light Bulbs For Emergency Clean-up	18.62	
02 90 55 00-0418	QT	Hand Sanitizer For Emergency Clean-up	9.21	
02 90 55 00-0419	EA	Hard Hats For Emergency Clean-up Personal Protection Equipment	7.58	
02 90 55 00-0420	BOX	Hog Rings, Box Of 2,500 For Emergency Clean-up	23.59	
02 90 55 00-0421	GAL	HVAC Coal Cleaner For Emergency Clean-up	68.77	
02 90 55 00-0422	BOX	Inventory Tag, Box Of 1,000 For Emergency Clean-up	165.97	
02 90 55 00-0423	EA	Utility Knives For Emergency Clean-up	14.35	
02 90 55 00-0424	ROL	13" Lay Flat Tubing (250' Roll) For Emergency Clean-up	142.37	
02 90 55 00-0425	ROL	20" Lay Flat Tubing (250' Roll) For Emergency Clean-up	150.30	
02 90 55 00-0426	ROL	29" Lay Flat Tubing (250' Roll) For Emergency Clean-up	299.26	
02 90 55 00-0427	ROL	39" Lay Flat Tubing (250' Roll) For Emergency Clean-up	432.55	
02 90 55 00-0428	GAL	Lemon Oil For Emergency Clean-up	44.50	
02 90 55 00-0429	GAL	LPS 1/Mecca Lube For Emergency Clean-up	47.39	
02 90 55 00-0430	GAL	LPS 2 For Emergency Clean-up	50.16	
02 90 55 00-0431	GAL	LPS Contact Cleaner For Emergency Clean-up	49.92	
02 90 55 00-0432	GAL	Light Lubricant Preserve For Emergency Clean-up	173.25	
02 90 55 00-0433	GAL	Heavy Lubricant Preserver For Emergency Clean-up	26.08	
02 90 55 00-0434	GAL	Machinery Cleaning Solvent For Emergency Clean-up	213.06	
02 90 55 00-0435	GAL	Metal Polishing Paste For Emergency Clean-up	32.07	
02 90 55 00-0436	GAL	MediClean® Disinfectant For Emergency Clean-up	52.71	
02 90 55 00-0437	GAL	Dri-Eaz Milgo Plus Sanitizer For Emergency Clean-up	64.70	
02 90 55 00-0438	EA	Mop Heads For Emergency Clean-up	7.90	
02 90 55 00-0439	EA	Nylon Scouring Pads For Emergency Clean-up	1.43	
02 90 55 00-0440	GAL	Odor Neutralizer For Emergency Clean-up	44.65	
02 90 55 00-0441	EA	Packing Paper, 25 Lb. Bundle For Emergency Clean-up	86.31	
02 90 55 00-0442	EA	Paint Brushes For Emergency Clean-up	6.52	
02 90 55 00-0443	ROL	Corrugated/Craft Paper, 48" x 250' For Emergency Clean-up	201.27	
02 90 55 00-0444	EA	Putty Knives For Emergency Clean-up	5.91	
02 90 55 00-0445	ROL	Red Resin Paper, 200' Roll For Emergency Clean-up	43.92	
02 90 55 00-0446	GAL	Reodorant For Emergency Clean-up	110.85	
02 90 55 00-0447	GAL	Restoracide For Emergency Clean-up	52.00	
02 90 55 00-0448	GAL	Rust Remover For Emergency Clean-up	77.88	
02 90 55 00-0449	EA	Saltesmo Test Samples For Emergency Clean-up	7.24	
02 90 55 00-0450	EA	Sand Bag For Emergency Clean-up	1.90	
		Note: Excludes sand material		
02 90 55 00-0451	EA	Scotch-Brite 7447, Per Box 50 For Emergency Clean-up	34.56	
02 90 55 00-0452	EA	Small Scrub Brushes For Emergency Clean-up	16.56	
02 90 55 00-0453	GAL	Clear Soot Sealant For Emergency Clean-up	90.32	
02 90 55 00-0454	GAL	Pigmented Soot Sealant For Emergency Clean-up	243.58	
02 90 55 00-0455	ROL	Shrinkwrap Plastic For Emergency Clean-up	56.07	
02 90 55 00-0456	EA	Dry Sponges For Emergency Clean-up	5.76	
02 90 55 00-0457	EA	Spray Adhesive, Per Can For Emergency Clean-up	5.85	
02 90 55 00-0458	EA	Spray Bot./Trigger For Emergency Clean-up	5.03	
02 90 55 00-0459	GAL	Stain Remover For Emergency Clean-up	40.33	
02 90 55 00-0460	GAL	Stainless Steel Cleaner For Emergency Clean-up	11.02	
02 90 55 00-0461	EA	Stainless Steel Polish, Per Can For Emergency Clean-up	14.46	
02 90 55 00-0462	LB	Sweeping Compound For Emergency Clean-up	0.71	
02 90 55 00-0463	ROL	Duct Tape, 2" x 50 YD For Emergency Clean-up	11.44	
02 90 55 00-0464	ROL	Environmental (Teal) Tape, 3/4" x 1,440' For Emergency Clean-up	10.77	
02 90 55 00-0465	ROL	HVAC (Aluminum) Tape, 2" x 75' For Emergency Clean-up	28.69	
02 90 55 00-0466	ROL	Blue Masking (Painters) Tape, 1-1/2" x 198' For Emergency Clean-up	15.32	
02 90 55 00-0467	ROL	Poly Box Tape, 2" x 110 YD For Emergency Clean-up	4.73	
02 90 55 00-0468	LB	Terry Towels For Emergency Clean-up	6.72	
02 90 55 00-0469	GAL	Thermal Fog For Emergency Clean-up	90.74	
02 90 55 00-0470	ROL	1.7 Mil, 55 Gallon Trash Bags, 50/Roll For Emergency Clean-up	35.60	
02 90 55 00-0471	ROL	3 Mil, 55 Gallon Trash Bags, 50/Roll For Emergency Clean-up	86.40	
02 90 55 00-0472	ROL	4 Mil, 55 Gallon Trash Bags, 50/Roll For Emergency Clean-up	110.85	
02 90 55 00-0473	ROL	6 Mil, 55 Gallon Trash Bags, 50/Roll For Emergency Clean-up	141.99	
02 90 55 00-0474	EA	Trisodium Phosphate, 20 Lb. Pail For Emergency Clean-up	47.59	
02 90 55 00-0475	EA	Backpack Vacuum Bags For Emergency Clean-up	1.60	
02 90 55 00-0476	EA	Upright Vacuum Bags For Emergency Clean-up	2.14	
02 90 55 00-0477	GAL	Vinyl And Leather Cleaner For Emergency Clean-up	36.01	
02 90 55 00-0478	ROL	1 Mil Visqueen, 12' x 400', For Emergency Clean-up	46.12	
02 90 55 00-0479	ROL	4 Mil Visqueen, 32' x 100', For Emergency Clean-up	125.24	
02 90 55 00-0480	ROL	6 Mil Visqueen, 32' x 400', For Emergency Clean-up	170.89	
02 90 55 00-0481	LB	Wipes, Cotton Cloth For Emergency Clean-up	4.84	
02 90 55 00-0482	ROL	12" x 750', Wrap, Bubble/Anti-static For Emergency Clean-up	140.66	
02 90 55 00-0483	EA	Wyp-Alls, Case Of 160 Wipes For Emergency Clean-up	18.00	
02 90 55 00-0484	EA	Zip Wall Zippers For Emergency Clean-up	21.35	
02 90 55 00-0485	EA	Absorbent Matt Roll For Oil And Other Liquids - 15" Wide x 50' Roll	34.77	
		Note: 3.3 gallon volume absorption capacity per roll		
02 90 55 00-0486	EA	Oil Only Sorbent Pads - 15" x 19", Light, Package Of 100	52.17	
		Note: 26 OZ volume absorption capacity per pad		
02 90 55 00-0487	EA	Oil Only Sorbent Pads - 15" x 19", Medium, Package Of 100	54.96	
		Note: 33 OZ volume absorption capacity per pad		
02 90 55 00-0488	EA	Oil Only Sorbent Pads - 15" x 19", Heavy, Package Of 100	89.74	
		Note: 45 OZ volume absorption capacity per pad		
02 90 55 00-0489		Technical/Electronics Restoration Materials (02 90 55 00-0362)		
02 90 55 00-0490	EA	Brush - Brass For Emergency Clean-up	4.89	
02 90 55 00-0491	EA	1" Brush, Natural Bristle For Emergency Clean-up	1.56	
02 90 55 00-0492	EA	1/2" Brush, Natural Bristle For Emergency Clean-up	1.30	

02 Existing Conditions**02 90 Disaster Recovery****02 90 55 Emergency Clean-up**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 90 55 00-0493	EA	1/4" Brush, Natural Bristle For Emergency Clean-up	1.11	
02 90 55 00-0494	EA	Brush - Parts For Emergency Clean-up	6.78	
02 90 55 00-0495	EA	Brush - Plastic For Emergency Clean-up	3.52	
02 90 55 00-0496	EA	Brush - Wire Grout For Emergency Clean-up	9.45	
02 90 55 00-0497	EA	Brushing Tool For Emergency Clean-up	18.23	
02 90 55 00-0498	EA	Cleaning Swabs, Cotton For Emergency Clean-up	0.33	
02 90 55 00-0499	EA	Cleaning Swabs, Foam Tip For Emergency Clean-up	0.39	
02 90 55 00-0500	EA	Contact Restorer, Per Can For Emergency Clean-up	29.65	
02 90 55 00-0501	EA	Contact Spray, Per Can For Emergency Clean-up	20.17	
02 90 55 00-0502	UNT	Corrosion Inhibitor Emitter - 1 CF For Emergency Clean-up	3.13	
02 90 55 00-0503	UNT	Corrosion Inhibitor Emitter - 5 CF For Emergency Clean-up	8.97	
02 90 55 00-0504	UNT	Corrosion Inhibitor Emitter - 10 CF For Emergency Clean-up	11.62	
02 90 55 00-0505	LB	Cotton Cleaning Cloths For Emergency Clean-up	18.34	
02 90 55 00-0506	EA	12" x 17" Dust Cloths For Emergency Clean-up	0.29	
02 90 55 00-0507	EA	24" x 24" Dust Cloths For Emergency Clean-up	0.80	
02 90 55 00-0508	EA	Deoxidizing Agent, Per Can For Emergency Clean-up	14.37	
02 90 55 00-0509	GAL	Electronic Grade Detergent For Emergency Clean-up	40.51	
02 90 55 00-0510	SHT	Inventory Labels For Emergency Clean-up	0.22	
02 90 55 00-0511	GAL	Isopropyl Alcohol For Emergency Clean-up	107.34	
02 90 55 00-0512	GAL	Lubrication/Penetrating Oil, Per Can For Emergency Clean-up	174.69	
02 90 55 00-0513	GAL	PC Board Detergent For Emergency Clean-up	83.75	
02 90 55 00-0514	GAL	Rust Inhibitor, Regular Duty For Emergency Clean-up	137.68	
02 90 55 00-0515	GAL	Rust Inhibitor, Moderate Duty For Emergency Clean-up	138.71	
02 90 55 00-0516	GAL	Rust Inhibitor, Severe Duty For Emergency Clean-up	148.27	
02 90 55 00-0517	LB	Wipes, Lint Free Cloths For Emergency Clean-up	7.61	
02 90 55 00-0518	EA	Wire Marker Card For Emergency Clean-up	2.28	
02 90 55 00-0519	EA	Steel Wool, 16 Pad Sleeve For Emergency Clean-up	1.53	

END OF SECTION 02

03 Concrete

03 01 Maintenance of Concrete (03)

03 01 30 Maintenance of Cast-In-Place Concrete (03 01)

03 01 30 51 Cleaning of Cast-In-Place Concrete (03 01 30)

See CSI section 09 01 90 52-0002 for cleaning of concrete surfaces.

03 01 30 51-0001	Abrasive Blasting (03 01 30 51)	
	Note: Includes containment and clean-up of all material. Includes steel ball media.	
03 01 30 51-0002	SF Concrete Floors, Abrasive Shot (Bead) Blasting.....	3.91
	For Up To 100, Add	3.24
	For >100 To 250, Add	0.81
	For >250 To 500, Add	0.41
	For >5,000 To 10,000, Deduct	-0.08
	For >10,000, Deduct	-0.16
03 01 30 51-0003	SF Concrete Walls, Abrasive Shot (Bead) Blasting.....	5.53
	For Up To 100, Add	6.48
	For >100 To 250, Add	1.62
	For >250 To 500, Add	0.81
	For >5,000 To 10,000, Deduct	-0.16
	For >10,000, Deduct	-0.32

03 01 30 71 Rehabilitation of Cast-In-Place Concrete (03 01 30)

03 01 30 71-0001 Concrete Resurfacing/Repair (03 01 30 71)

See CSI section 09 01 90 52-0002 for surface preparation as required.

03 01 30 71-0002 Spall Concrete Repair (03 01 30 71-0001)

Note: Includes removal of defective concrete with chipping hammers, water blasting, cleaning of rebar, formwork, cementitious mortar, curing, and finishing.

03 01 30 71-0003	SF Spall Concrete Repair, Up To 3/4" Deep On Vertical/Overhead Surfaces.....	92.13
	For Up To 100, Add	65.60
	For >100 To 250, Add	32.80
03 01 30 71-0004	SF Spall Concrete Repair, >3/4" To 1-1/2" Deep On Vertical/Overhead Surfaces.....	106.50
	For Up To 100, Add	72.89
	For >100 To 250, Add	36.45
03 01 30 71-0005	SF Spall Concrete Repair, >1-1/2" To 3" Deep On Vertical/Overhead Surfaces.....	159.74
	For Up To 100, Add	109.34
	For >100 To 250, Add	54.67
03 01 30 71-0006	SF Spall Concrete Repair, >3" To 4" Deep On Vertical/Overhead Surfaces.....	208.12
	For Up To 100, Add	142.13
	For >100 To 250, Add	71.06
03 01 30 71-0007	SF Spall Concrete Repair, Up To 3/4" Deep On Floor Surfaces.....	65.88
	For Up To 100, Add	45.92
	For >100 To 250, Add	22.96
03 01 30 71-0008	SF Spall Concrete Repair, >3/4" To 1-1/2" Deep On Floor Surfaces.....	77.34
	For Up To 100, Add	51.02
	For >100 To 250, Add	25.51
03 01 30 71-0009	SF Spall Concrete Repair, >1-1/2" To 3" Deep On Floor Surfaces.....	116.00
	For Up To 100, Add	76.53
	For >100 To 250, Add	38.27
03 01 30 71-0010	SF Spall Concrete Repair, >3" To 4" Deep On Floor Surfaces.....	151.27
	For Up To 100, Add	99.49
	For >100 To 250, Add	49.74

03 01 30 71-0011 Concrete Cleaning (03 01 30 71-0001)

03 01 30 71-0012	SF Clean Calcite/Staining On Concrete.....	24.33
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03 01 30 71-0013 Concrete Repair (03 01 30 71-0001)

03 01 30 71-0014 Decks Or Floors (03 01 30 71-0013)

Note: Includes bonding agent and sealant. Excludes saw cutting, sand blasting and forming.

03 01 30 71-0015	SF Patch Decks Or Floors With 1/8" To 1/4" Thick Cementitious Mortar.....	6.76
03 01 30 71-0016	SF Patch Decks Or Floors With 1/8" To 1/4" Thick Epoxy Cementitious Mortar.....	20.53
03 01 30 71-0017	SF Patch Decks Or Floors With White Aluminum Oxide Grit (Non-Slip Aggregate).....	0.59

03 01 30 71-0018 Verticals Or Overheads (03 01 30 71-0013)

Note: Includes bonding agent and sealant. Excludes saw cutting, sand blasting and forming.

03 01 30 71-0019	SF Patch Verticals Or Overheads With 1/8" To 1/4" Thick Cementitious Mortar.....	10.19
03 01 30 71-0020	SF Patch Verticals Or Overheads With 1/8" To 1/4" Thick Epoxy Cementitious Mortar.....	28.65
03 01 30 71-0021	SF Patch Verticals Or Overheads With 1/8" To 1/4" Thick Latex Cementitious Mortar.....	32.12
03 01 30 71-0022	SF Patch Verticals Or Overheads With 1/8" To 1/4" Thick Elastomeric Compound.....	9.40
03 01 30 71-0023	SF Patch Verticals Or Overheads With 1/8" To 1/4" Thick Copolymer Cementitious Compound.....	16.64
	Note: Rapid Set - WunderFixx	

03 01 30 71-0024 Circular Piers (03 01 30 71-0013)

03 01 30 71-0025	SF Patch Circular Piers With 1/8" To 1/4" Elastomeric Patching Compound.....	13.09
03 01 30 71-0026	SF Patch Circular Piers With 1/8" To 1/4" Copolymer Cementitious Compound.....	22.54
	Note: Rapid Set - WunderFixx	

03 Concrete**03 01 Maintenance of Concrete****03 01 30 Maintenance of Cast-In-Place Concrete**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

03 01 30 71-0027	Bridge Deck Treatment (03 01 30 71-0013)	
03 01 30 71-0028	SF Sweep Bridge Deck	0.02
03 01 30 71-0029	SF Clean Bridge Deck	0.02
03 01 30 71-0030	SF Treat Bridge Deck With Methacrylate Resin Sealant	2.34
03 01 30 71-0031	Concrete Finishes (03 01 30 71-0001)	
03 01 30 71-0032	Concrete Patching (03 01 30 71-0031)	
03 01 30 71-0033	Walls (03 01 30 71-0032)	
03 01 30 71-0034	BAG Sika Top 111 Plus.....	180.78
	Note: SikaTop 111 PLUS is a two-component, polymer-modified, portland-cement, fast-setting, screed mortar.	
	Yield: Approximately 0.5 cu. ft./unit. Approximately 0.75 cu. ft./unit (SikaTop 111 + 42 Lb. of 3/8" pea gravel).	
	For Up To 10, Add	65.81
	For >10 To 25, Add	39.49
	For >25 To 50, Add	26.32
	For >50 To 75, Add	13.16
03 01 30 71-0035	BAG Sika Grout 212, 50 Lb. Bag.....	124.30
	Note: SikaGrout 212 is a non-shrink, cementitious grout with a unique 2-stage shrinkage compensating mechanism. It is non-metallic and contains no chloride. Coverage: Approximately 0.44 cu. ft./bag at high flow.	
	For Up To 10, Add	41.67
	For >10 To 25, Add	25.00
	For >25 To 50, Add	16.67
	For >50 To 75, Add	8.33
03 01 30 71-0036	EA Sika Flex 1A, 10.3 Ounce Tube	42.43
	Note: Sikaflex-1a is a premium-grade, high-performance, moisture-cured, 1-component, polyurethane-based, non-sag elastomeric sealant. Coverage: 10.3 fl. oz. cartridge seals 12.4 lineal ft. of 1/2 x 1/4 in. joint. 20 fl. oz. uni-pac sausage seals 24 lineal ft. of 1/2 x 1/4 in. joint.	
03 01 30 71-0037	BAG Pea Gravel.....	32.03
03 01 30 71-0038	Crack Repair For Concrete (03 01 30 71-0001)	
03 01 30 71-0039	Non-Structural Crack Repair For Concrete (03 01 30 71-0038)	
03 01 30 71-0040	Surface Applied, Non-Structural Crack Repair For Concrete (03 01 30 71-0039)	
	Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing sealer with caulk gun, cartridge gun, squeeze bottle, etc. Excludes backer rod and sanding.	
03 01 30 71-0041	LF Up To 1/4" Wide, Latex Emulsion, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Squeeze Tube (Quikrete® Concrete Crack Seal).....	6.49
	For V-Grooving Crack With Grinder, Add	5.17
03 01 30 71-0042	LF >1/4" To 1/2" Wide, Latex Emulsion, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Squeeze Tube (Quikrete® Concrete Crack Seal).....	8.50
	For V-Grooving Crack With Grinder, Add	5.05
03 01 30 71-0043	LF Up To 1/4" Wide, Sanded Acrylic Latex, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Quikrete® Concrete Repair).....	6.63
	For V-Grooving Crack With Grinder, Add	5.17
03 01 30 71-0044	LF >1/4" To 1/2" Wide, Sanded Acrylic Latex, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Quikrete® Concrete Repair).....	8.79
	For V-Grooving Crack With Grinder, Add	5.05
03 01 30 71-0045	LF Up To 1/4" Wide, Self Leveling Polyurethane Sealant, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Self-Leveling Sealant)	7.16
	For V-Grooving Crack With Grinder, Add	5.17
03 01 30 71-0046	LF >1/4" To 1/2" Wide, Self Leveling Polyurethane Sealant, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Self-Leveling Sealant)	9.83
	For V-Grooving Crack With Grinder, Add	5.05
03 01 30 71-0047	LF Up To 1/4" Wide, Non-Sag Elastomeric Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Concrete Fix)	7.54
	For V-Grooving Crack With Grinder, Add	5.17
03 01 30 71-0048	LF >1/4" To 1/2" Wide, Non-Sag Elastomeric Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Concrete Fix)	10.59
	For V-Grooving Crack With Grinder, Add	5.05
03 01 30 71-0049	Pressure Injected, Non-Structural Crack Repair For Concrete (03 01 30 71-0039)	
	Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing injection ports, sealing the crack opening (one side only), injecting the crack with polyurethane and restoring the sealed surface to flush conditions. Excludes disposal.	
03 01 30 71-0050	LF Up To 1/4" Wide, Water Activated Polyurethane Foam Grout, Non-Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (SealBoss 1570)	30.05
	For Cracks Accessible From Both Sides, Add	6.13
03 01 30 71-0051	Structural Crack Repair For Concrete (03 01 30 71-0038)	
03 01 30 71-0052	Surface Applied, Structural Crack Repair For Concrete (03 01 30 71-0051)	
	Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Excludes disposal.	
03 01 30 71-0053	LF Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 35)	7.63
	For V-Grooving Crack With Grinder, Add	5.17
03 01 30 71-0054	LF >1/4" To 1/2" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 35)	10.79
	For V-Grooving Crack With Grinder, Add	5.05

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 01 30 71-0055	LF	Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 52).....		7.43	
		For V-Grooving Crack With Grinder, Add		5.17	
03 01 30 71-0056	LF	>1/4" To 1/2" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 52).....		10.38	
		For V-Grooving Crack With Grinder, Add		5.05	
03 01 30 71-0057	LF	Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Sikadur® Crack Fix).....		9.13	
		For V-Grooving Crack With Grinder, Add		5.17	
03 01 30 71-0058	LF	>1/4" To 1/2" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Sikadur® Crack Fix).....		13.78	
		For V-Grooving Crack With Grinder, Add		5.05	

03 01 30 71-0059		Pressure Injected, Structural Crack Repair For Concrete (03 01 30 71-0051) Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing injection ports, sealing the crack opening (one side only), injecting the crack with epoxy and restoring the sealed surface to flush conditions. Excludes disposal.			
03 01 30 71-0060	LF	Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (Sikadur® 35).....		25.97	
		For Cracks Accessible From Both Sides, Add		6.13	
03 01 30 71-0061	LF	Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (Sikadur® 52).....		25.76	
		For Cracks Accessible From Both Sides, Add		6.13	

03 01 30 71-0062		Carbon Fiber Strengthening System (03 01 30 71-0001) Note: Includes preparing surface, dust and debris removal by hand, clean and protect adjacent area, fill voids, primer, fabric substrate layers, final coat of epoxy and finish. Excludes disposal.			
03 01 30 71-0063	SF	Carbon Fiber Strengthening System For Concrete Beams, Per Layer		90.32	
		Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.			
03 01 30 71-0064	SF	Carbon Fiber Strengthening System For Concrete Columns, Per Layer		79.98	
		Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.			
03 01 30 71-0065	SF	Carbon Fiber Strengthening System For Concrete Ceiling Slabs, Per Layer		74.16	
		Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.			
03 01 30 71-0066	SF	Carbon Fiber Strengthening System For Concrete Walls, Per Layer.....		70.93	
		Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.			
03 01 30 71-0067	SF	Carbon Fiber Strengthening System For Concrete Slab, Per Layer		66.41	
		Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.			

03 01 30 72		Strengthening Of Cast-in-Place Concrete (03 01 30) 03 01 30 72-0001 Concrete Surface Repairs (03 01 30 72) 03 01 30 72-0002 SF Sound The Concrete Surface To Locate Delaminated Areas		0.40	
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03 05 Common Work Results For Concrete (03)

03 05 13 Concrete Admixtures (03 05)

03 05 13 00-0001		Concrete Admixtures (03 05 13) 03 05 13 00-0002 CY Low Range Water Reducing (LRWR), Type A Concrete Admixture		7.00	
		03 05 13 00-0003 CY Set Retarding, Type B Concrete Admixture		4.85	
		03 05 13 00-0004 CY 1% Calcium Chloride Accelerating, Type C Concrete Admixture.....		7.54	
		03 05 13 00-0005 CY 2% Calcium Chloride Accelerating, Type C Concrete Admixture.....		15.09	
		03 05 13 00-0006 CY 1% Non-Chloride Accelerating, Type C Concrete Admixture		13.47	
		03 05 13 00-0007 CY 2% Non-Chloride Accelerating, Type C Concrete Admixture		26.94	
		03 05 13 00-0008 CY 1% Water Reducing and Retarding (Hydration Stabilizer), Type D Concrete Admixture.....		5.82	
		03 05 13 00-0009 CY 2% Water Reducing and Retarding (Hydration Stabilizer), Type D Concrete Admixture.....		11.35	
		03 05 13 00-0010 CY 1% Water Reducing and Accelerating (High Early Strength), Type E Concrete Admixture		8.08	
		03 05 13 00-0011 CY 2% Water Reducing and Accelerating (High Early Strength), Type E Concrete Admixture		16.16	
		03 05 13 00-0012 CY Mid Range Water Reducing (MRWR) Superplasticizer, Type A Or E Concrete Admixture		5.39	
		03 05 13 00-0013 CY High Range Water Reducing (HRWR) Superplasticizer, Type F Concrete Admixture.....		12.93	
		03 05 13 00-0014 CY 1 Lb./CY Polyethylene, Polypropylene, Nylon, Synthetic Plastic Fibers, Concrete Admixture.....		11.49	
		03 05 13 00-0015 CY 1-1/2 Lb./CY Polyethylene, Polypropylene, Nylon, Synthetic Plastic Fibers, Concrete Admixture.....		17.24	
		03 05 13 00-0016 CY 25 Lb./CY Steel Fibers, Concrete Admixture		47.69	
		03 05 13 00-0017 CY 10% Microsilica (Silica Fume), Concrete Admixture		86.20	
		03 05 13 00-0018 CY Corrosion Inhibiting Concrete Admixture		32.33	
		03 05 13 00-0019 CY Winter Service Or Heat, Concrete Add		17.24	
		03 05 13 00-0020 CY Chilled Water, Concrete Add		17.24	
		03 05 13 00-0021 CY Subtle Color (See Davis Colors Color Card), Concrete Admixture		39.57	
		03 05 13 00-0022 CY Standard Color (See Davis Colors Color Card), Concrete Admixture.....		65.94	
		03 05 13 00-0023 CY Premium Color (See Davis Colors Color Card), Concrete Admixture.....		126.61	
		03 05 13 00-0024 CY Ultra Premium Color (See Davis Colors Color Card), Concrete Admixture		175.85	

03 10 Concrete Forming and Accessories (03)

03 11 Concrete Forming (03 10)

03 11 13		Structural Cast-In-Place Concrete Forming (03 11) Note: Per square foot of formwork.			
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03 Concrete**03 10 Concrete Forming and Accessories****03 11 Concrete Forming**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

03 11 13 00-0001	Wood Formwork (03 11 13) Note: For job built wood and/or plywood form systems where metal framed formwork cannot be used. Includes erecting, stripping, stacking, plywood, framing lumber, oiling, studs/walers, strongbacks, deadmen, supporting braces, turnbuckles, ties, and clips.		
03 11 13 00-0002	Foundation Wood Formwork (03 11 13 00-0001) Note: For foundation work below or at grade.		
03 11 13 00-0003	SF Continuous Footings Foundation Wood Formwork.....	9.09	
	For <1,000, Add	1.70	
	For Foundations >8' Below Grade, Add	1.64	
	For Curved Formwork, Add	3.27	
03 11 13 00-0004	SF Pile Cap, Pier Or Spread Footings Foundation Wood Formwork.....	10.82	
	For <1,000, Add	2.04	
	For Foundations >8' Below Grade, Add	1.98	
	For Curved Formwork, Add	3.95	
03 11 13 00-0005	SF Mat Foundation Wood Formwork.....	12.46	
	For <1,000, Add	2.38	
	For Foundations >8' Below Grade, Add	2.33	
	For Curved Formwork, Add	4.65	
03 11 13 00-0006	SF Grade Beams Or Duct Bank Foundation Wood Formwork	10.40	
	For <1,000, Add	1.97	
	For Foundations >8' Below Grade, Add	1.91	
	For Curved Formwork, Add	3.83	
03 11 13 00-0007	SF Below Grade Walls Foundation Wood Formwork	14.79	
	Note: Excludes footing		
	For <1,000, Add	2.79	
	For Foundations >8' Below Grade, Add	2.71	
	For Curved Formwork, Add	5.42	
03 11 13 00-0008	Slab Edge And Block-Out Wood Formwork (03 11 13 00-0001)		
03 11 13 00-0009	LF Up To 6" High Slab Edge and Block-Out Wood Formwork	7.02	
	For Foundations >8' Below Grade, Add	1.31	
	For Curved Formwork, Add	2.62	
	For Up To 250, Add	1.34	
03 11 13 00-0010	LF >6" To 12" High Slab Edge and Block-Out Wood Formwork	10.05	
	For Foundations >8' Below Grade, Add	1.82	
	For Curved Formwork, Add	3.64	
	For Up To 250, Add	1.88	
03 11 13 00-0011	SF >12" High Slab Edge and Block-Out Wood Formwork.....	12.86	
	For Foundations >8' Below Grade, Add	2.35	
	For Curved Formwork, Add	4.71	
	For <1,000, Add	2.43	
03 11 13 00-0012	Column Wood Formwork (03 11 13 00-0001)		
03 11 13 00-0013	LF Up To 8" Square Column Wood Formwork.....	54.24	
03 11 13 00-0014	LF >8" To 12" Square Column Wood Formwork.....	78.84	
03 11 13 00-0015	LF >12" To 18" Square Column Wood Formwork	98.99	
03 11 13 00-0016	LF >18" To 24" Square Column Wood Formwork	141.91	
03 11 13 00-0017	LF >24" To 36" Square Column Wood Formwork	203.57	
03 11 13 00-0018	LF >36" To 48" Square Column Wood Formwork	268.87	
03 11 13 00-0019	Above Grade Wall Wood Formwork (03 11 13 00-0001)		
03 11 13 00-0020	SF Up To 8' High Above Grade Wall Wood Formwork.....	16.53	
	For Curved Formwork, Add	6.11	
	For <1,000, Add	3.14	
03 11 13 00-0021	SF >8' High Above Grade Wall Wood Formwork	19.59	
	For Curved Formwork, Add	7.26	
	For <1,000, Add	3.73	
03 11 13 00-0022	Elevated Beam Wood Formwork (03 11 13 00-0001) Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated beam.		
03 11 13 00-0023	SF Bottom of Elevated Beam Wood Formwork	21.71	
	For Curved Formwork, Add	7.98	
	For <1,000, Add	4.11	
03 11 13 00-0024	SF Vertical Sides of Elevated Beam Wood Formwork	13.70	
	For Curved Formwork, Add	5.09	
	For <1,000, Add	2.61	
03 11 13 00-0025	Elevated Slab Wood Formwork (03 11 13 00-0001) Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated slab.		
03 11 13 00-0026	SF Elevated Slab Wood Formwork	12.83	
	For <1,000, Add	2.35	
03 11 13 00-0027	Metal Framed Formwork (03 11 13) Note: For all metal framed and metal form systems. Includes erecting, stripping, stacking, oiling, studs/walers, strongbacks, deadmen, supporting braces, turnbuckles, ties, and clips.		
03 11 13 00-0028	Foundation Metal Framed Formwork (03 11 13 00-0027) Note: For foundation work below or at grade.		

		Concrete	03	03
		Concrete Forming and Accessories	03 10	
		Concrete Forming	03 11	
MINOR	TOTAL DIRECT	DEMOLITION		
CSI UOM DESCRIPTION	UNIT COST	UNIT COST		

03 11 13 00-0029	SF	Continuous Footings Foundation Metal Framed Formwork	8.42	
		For <1,000, Add	1.55	
		For Foundations >8' Below Grade, Add	1.48	
		For Curved Formwork, Add	2.96	
03 11 13 00-0030	SF	Pile Cap, Pier Or Spread Footings Foundation Metal Framed Formwork	9.33	
		For <1,000, Add	1.73	
		For Foundations >8' Below Grade, Add	1.66	
		For Curved Formwork, Add	3.32	
03 11 13 00-0031	SF	Mat Foundation Metal Framed Formwork	10.44	
		For <1,000, Add	1.92	
		For Foundations >8' Below Grade, Add	1.83	
		For Curved Formwork, Add	3.66	
03 11 13 00-0032	SF	Grade Beams Or Duct Bank Foundation Metal Framed Formwork	8.82	
		For <1,000, Add	1.61	
		For Foundations >8' Below Grade, Add	1.54	
		For Curved Formwork, Add	3.08	
03 11 13 00-0033	SF	Below Grade Walls Foundation Metal Framed Formwork	13.43	
		Note: Excludes footing.		
		For <1,000, Add	2.50	
		For Foundations >8' Below Grade, Add	2.41	
		For Curved Formwork, Add	4.81	
03 11 13 00-0034 Slab Edge And Block-Out Metal Framed Formwork (03 11 13 00-0027)				
03 11 13 00-0035	LF	Up To 6" High Slab Edge and Block-Out Metal Framed Formwork	6.00	
		For Foundations >8' Below Grade, Add	1.17	
		For Curved Formwork, Add	2.34	
		For <250, Add	1.18	
03 11 13 00-0036	LF	>6" To 12" High Slab Edge and Block-Out Metal Framed Formwork	7.51	
		For Foundations >8' Below Grade, Add	1.45	
		For Curved Formwork, Add	2.91	
		For <250, Add	1.47	
03 11 13 00-0037	SF	>12" High Slab Edge and Block-Out Metal Framed Formwork	8.32	
		For Foundations >8' Below Grade, Add	1.61	
		For Curved Formwork, Add	3.21	
		For <1,000, Add	1.63	
03 11 13 00-0038 Column Metal Framed Formwork (03 11 13 00-0027)				
03 11 13 00-0039 Square Columns (03 11 13 00-0038)				
03 11 13 00-0040	LF	Up To 12" Square Column Metal Framed Formwork	51.34	
03 11 13 00-0041	LF	>12" To 16" Square Column Metal Framed Formwork	62.05	
03 11 13 00-0042	LF	>16" To 20" Square Column Metal Framed Formwork	72.78	
03 11 13 00-0043	LF	>20" To 24" Square Column Metal Framed Formwork	86.96	
03 11 13 00-0044	LF	>24" To 30" Square Column Metal Framed Formwork	104.77	
03 11 13 00-0045	LF	>30" To 36" Square Column Metal Framed Formwork	125.79	
03 11 13 00-0046	LF	>36" To 48" Square Column Metal Framed Formwork	161.40	
03 11 13 00-0047	LF	>48" To 60" Square Column Metal Framed Formwork	199.09	
03 11 13 00-0048 Round Columns (03 11 13 00-0038)				
03 11 13 00-0049	LF	Up To 12" Diameter Column Metal Formwork	50.53	
03 11 13 00-0050	LF	>12" To 16" Diameter Column Metal Formwork	56.20	
03 11 13 00-0051	LF	>16" To 20" Diameter Column Metal Formwork	64.49	
03 11 13 00-0052	LF	>20" To 24" Diameter Column Metal Formwork	75.18	
03 11 13 00-0053	LF	>24" To 30" Diameter Column Metal Formwork	88.75	
03 11 13 00-0054	LF	>30" To 36" Diameter Column Metal Formwork	101.65	
03 11 13 00-0055	LF	>36" To 48" Diameter Column Metal Formwork	131.79	
03 11 13 00-0056	LF	>48" To 60" Diameter Column Metal Formwork	172.04	
03 11 13 00-0057 Above Grade Wall Metal Framed Formwork (03 11 13 00-0027)				
03 11 13 00-0058	SF	Up to 8' High Above Grade Wall Metal Framed Formwork	8.26	
		For Curved Formwork, Add	2.75	
		For <1,000, Add	1.47	
03 11 13 00-0059	SF	>8' High Above Grade Wall Metal Framed Formwork	10.08	
		For Curved Formwork, Add	3.31	
		For <1,000, Add	1.78	
03 11 13 00-0060 Elevated Beam Metal Framed Formwork (03 11 13 00-0027)				
		Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated beam.		
03 11 13 00-0061	SF	Bottom of Elevated Beam Metal Framed Formwork	8.27	
		For Curved Formwork, Add	2.57	
		For <1,000, Add	1.41	
03 11 13 00-0062	SF	Vertical Sides of Elevated Beam Metal Framed Formwork	6.16	
		For Curved Formwork, Add	2.01	
		For <1,000, Add	1.08	
03 11 13 00-0063 Elevated Slab Metal Framed Formwork (03 11 13 00-0027)				
		Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated slab.		
03 11 13 00-0064	SF	Elevated Slab Metal Framed Formwork	11.34	
		For <1,000, Add	1.72	

03 Concrete**03 10 Concrete Forming and Accessories****03 11 Concrete Forming**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

03 11 13 00-0065	Fiber Tube Formwork (03 11 13)		
	Note: Includes all supporting braces, erecting, aligning, stripping, turnbuckles, ties and clips.		
03 11 13 00-0066	Round Column Fiber Tube Formwork (03 11 13 00-0065)		
03 11 13 00-0067	LF 6" Diameter Round Fiber Tube Formwork	21.35	
	For Plastic Lined, Add	0.83	
	For Columns >12' In Length, Add	2.14	
03 11 13 00-0068	LF 8" Diameter Round Fiber Tube Formwork	22.55	
	For Plastic Lined, Add	0.99	
	For Columns >12' In Length, Add	2.26	
03 11 13 00-0069	LF 10" Diameter Round Fiber Tube Formwork	25.08	
	For Plastic Lined, Add	1.19	
	For Columns >12' In Length, Add	2.51	
03 11 13 00-0070	LF 12" Diameter Round Fiber Tube Formwork	31.05	
	For Plastic Lined, Add	2.11	
	For Columns >12' In Length, Add	3.11	
03 11 13 00-0071	LF 14" Diameter Round Fiber Tube Formwork	34.90	
	For Plastic Lined, Add	2.67	
	For Columns >12' In Length, Add	3.49	
03 11 13 00-0072	LF 16" Diameter Round Fiber Tube Formwork	38.02	
	For Plastic Lined, Add	3.33	
	For Columns >12' In Length, Add	3.80	
03 11 13 00-0073	LF 18" Diameter Round Fiber Tube Formwork	40.94	
	For Plastic Lined, Add	3.89	
	For Columns >12' In Length, Add	4.09	
03 11 13 00-0074	LF 20" Diameter Round Fiber Tube Formwork	46.65	
	For Plastic Lined, Add	5.29	
	For Columns >12' In Length, Add	4.67	
03 11 13 00-0075	LF 22" Diameter Round Fiber Tube Formwork	48.83	
	For Plastic Lined, Add	5.51	
	For Columns >12' In Length, Add	4.88	
03 11 13 00-0076	LF 24" Diameter Round Fiber Tube Formwork	51.30	
	For Plastic Lined, Add	5.81	
	For Columns >12' In Length, Add	5.13	
03 11 13 00-0077	LF 26" Diameter Round Fiber Tube Formwork	53.40	
	For Plastic Lined, Add	6.27	
	For Columns >12' In Length, Add	5.34	
03 11 13 00-0078	LF 28" Diameter Round Fiber Tube Formwork	55.51	
	For Plastic Lined, Add	6.73	
	For Columns >12' In Length, Add	5.55	
03 11 13 00-0079	LF 30" Diameter Round Fiber Tube Formwork	57.62	
	For Plastic Lined, Add	7.19	
	For Columns >12' In Length, Add	5.76	
03 11 13 00-0080	LF 36" Diameter Round Fiber Tube Formwork	66.58	
	For Plastic Lined, Add	9.25	
	For Columns >12' In Length, Add	6.66	
03 11 13 00-0081	LF 42" Diameter Round Fiber Tube Formwork	104.85	
	For Plastic Lined, Add	20.28	
	For Columns >12' In Length, Add	10.49	
03 11 13 00-0082	LF 48" Diameter Round Fiber Tube Formwork	127.73	
	For Plastic Lined, Add	26.69	
	For Columns >12' In Length, Add	12.77	
03 11 13 00-0083	LF 54" Diameter Round Fiber Tube Formwork	230.33	
	For Plastic Lined, Add	56.74	
	For Columns >12' In Length, Add	23.03	
03 11 13 00-0084	LF 60" Diameter Round Fiber Tube Formwork	256.51	
	For Plastic Lined, Add	64.04	
	For Columns >12' In Length, Add	25.65	
03 11 13 00-0085	Accessories For Formwork (03 11 13)		
03 11 13 00-0086	Keyway Forms, All Materials (03 11 13 00-0085)		
03 11 13 00-0087	LF 2" x 4" To 2" x 6" Keyway Forms for Concrete Formwork, All Materials	2.57	
03 11 13 00-0088	Chamfer Strips, All Materials (03 11 13 00-0085)		
03 11 13 00-0089	LF 1/2" Wide Chamfer Strips for Concrete Formwork, All Materials	2.71	
03 11 13 00-0090	LF 3/4" Wide Chamfer Strips for Concrete Formwork, All Materials	3.14	
03 11 13 00-0091	LF 1" Wide Chamfer Strips for Concrete Formwork, All Materials	3.63	
03 11 13 00-0092	Strip Out Reglets For Concrete Formwork (03 11 13 00-0085)		
03 11 13 00-0093	LF 24 To 26 Gauge Galvanized Steel, Strip Out Reglets For Concrete Formwork	13.73	
03 11 13 00-0094	Sleeves And Chases, Plastic Or Sheet Metal (03 11 13 00-0085)		
03 11 13 00-0095	EA 2" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	16.28	
03 11 13 00-0096	EA 4" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	20.11	
03 11 13 00-0097	EA 6" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	24.37	
03 11 13 00-0098	EA 8" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	28.42	
03 11 13 00-0099	EA 12" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	36.83	
03 11 13 00-0100	EA 18" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	86.75	

03 11 16 Architectural Cast-In-Place Concrete Forming (03 11)**03 11 16 13 Concrete Form Liners (03 11 16)**

Cal Poly Humboldt.		Concrete Forming and Accessories		03 10	03
		Concrete Forming		03 11	
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT		DEMOLITION	
		UNIT COST		UNIT COST	
03 11 16 13-0001	Concrete Form Liners (03 11 16 13)				
03 11 16 13-0002	SF	Various Patterns And Textures, 1 Use, Concrete Form Liner, Add To Formwork			6.08
03 11 16 13-0003	SF	Beveled Edge, Rusticated Concrete Finish, 1 Use, Concrete Form Liner, Add To Formwork			8.23
03 11 16 13-0004	SF	Square Edge, Rusticated Concrete Finish, 1 Use, Concrete Form Liner, Add To Formwork			10.85
03 11 23	Permanent Stair Forming (03 11)				
03 11 23 00-0001	Stairway Wood Formwork (03 11 23)				
03 11 23 00-0002	SF	Cast On Grade Stairway Wood Formwork.....			20.98
		For Curved Formwork, Add			8.07
		For <1,000, Add			4.09
03 11 23 00-0003	SF	Elevated Stairway Wood Formwork.....			41.59
		Note: Includes adjustable column supports and bracing lumber up to 14' for bottom of elevated stair.			
		For Curved Formwork, Add			15.79
		For <1,000, Add			8.04
03 11 23 00-0004	Stairway Metal Framed Formwork (03 11 23)				
03 11 23 00-0005	SF	Cast On Grade Stairway Metal Framed Formwork			17.54
		For Curved Formwork, Add			6.64
		For <1,000, Add			3.38
03 11 23 00-0006	SF	Elevated Stairway Metal Framed Formwork			32.51
		Note: Includes adjustable column supports and bracing lumber up to 14' for bottom of elevated stair.			
		For Curved Formwork, Add			12.31
		For <1,000, Add			6.27
03 15	Concrete Accessories (03 10)				
03 15 13	Waterstops (03 15)				
03 15 13 13	Non-Expanding Waterstops (03 15 13)				
03 15 13 13-0001	Polyvinyl Chloride (PVC) Waterstops (03 15 13 13)				
03 15 13 13-0002	LF	3/16" Thick x 4" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop			10.52
03 15 13 13-0003	LF	3/16" Thick x 6" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop			11.94
03 15 13 13-0004	LF	3/16" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop With Center Bulb			14.61
03 15 13 13-0005	LF	3/8" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop With Center Bulb			16.17
03 15 13 13-0006	LF	1/2" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop			25.31
03 15 13 13-0007	LF	3/16" Thick x 6" Wide Dumbbell Polyvinyl Chloride (PVC) Waterstop			12.15
03 15 13 13-0008	LF	3/8" Thick x 6" Wide Dumbbell Polyvinyl Chloride (PVC) Waterstop			15.02
03 15 13 13-0009	LF	3/8" Thick x 9" Wide Plain Polyvinyl Chloride (PVC) Waterstop			27.84
03 15 13 13-0010	LF	3/8" Thick x 9" Wide Plain Polyvinyl Chloride (PVC) Waterstop With Center Bulb			21.55
03 15 13 13-0011	Rubber Waterstops (03 15 13 13)				
03 15 13 13-0012	LF	3/8" Thick x 6" Wide Rubber Dumbbell Waterstop.....			11.01
03 15 13 13-0013	LF	3/8" Thick x 9" Wide Rubber Dumbbell Waterstop			12.54
03 15 13 13-0014	LF	1/4" Thick x 6" Wide Rubber Waterstop, With Center Bulb.....			11.28
03 15 13 13-0015	LF	1/4" Thick x 9" Wide Rubber Waterstop, With Center Bulb.....			15.20
03 15 13 13-0016	LF	3/8" Thick x 6" Wide Rubber Waterstop, With Center Bulb.....			12.88
03 15 13 13-0017	LF	3/8" Thick x 9" Wide Rubber Waterstop, With Center Bulb.....			16.24
03 15 13 16	Expanding Waterstops (03 15 13)				
03 15 13 16-0001	Bentonite Waterstops (03 15 13 16)				
03 15 13 16-0002	LF	3/4" x 3/8" Bentonite Waterstop			9.53
03 15 13 16-0003	LF	1-1/4" x 1/2" Bentonite Waterstop			14.93
03 15 13 16-0004	LF	1" x 3/4" Bentonite Waterstop			16.84
03 15 13 16-0005	LF	1" x 1" Bentonite Waterstop			19.24
03 15 16	Concrete Construction Joints (03 15)				
03 15 16 00-0001	Poured Expansion Joint (03 15 16)				
03 15 16 00-0002	LF	1/2" x 1" Plain Asphalt Expansion Joint, Poured.....			3.33
		For Installation In Walls, Add			1.50
03 15 16 00-0003	LF	1" x 2" Plain Asphalt Expansion Joint, Poured.....			7.63
		For Installation In Walls, Add			1.69
03 15 16 00-0004	LF	1/2" x 1" Liquid Neoprene Expansion Joint, Poured, Cold Applied			3.21
		For Installation In Walls, Add			1.50
03 15 16 00-0005	LF	1" x 2" Liquid Neoprene Expansion Joint, Poured, Cold Applied			7.10
		For Installation In Walls, Add			1.69
03 15 16 00-0006	LF	1/2" x 1" Polyurethane Expansion Joint, Poured, 2 Parts			4.49
		For Installation In Walls, Add			1.69
03 15 16 00-0007	LF	1" x 2" Polyurethane Expansion Joint, Poured, Poured, 2 Parts.....			8.10
		For Installation In Walls, Add			2.73
03 15 16 00-0008	LF	1/2" x 1" Rubberized Asphalt Expansion Joint, Poured, Hot Or Cold Applied.....			3.72
		For Installation In Walls, Add			1.50
03 15 16 00-0009	LF	1/2" x 1" Rubberized Asphalt Expansion Joint, Poured, Hot Applied Fuel Resistant			4.61
		For Installation In Walls, Add			1.50
03 15 16 00-0010	LF	1" x 2" Rubberized Asphalt Expansion Joint, Poured, Hot Applied Fuel Resistant			12.23
		For Installation In Walls, Add			1.69

03 Concrete**03 10 Concrete Forming and Accessories****03 15 Concrete Accessories**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

03 15 16 00-0011	Premolded Expansion Joints (03 15 16)				
03 15 16 00-0012	Asphalt Saturated Fiber, Premolded Expansion Joints (03 15 16 00-0011)				
03 15 16 00-0013	LF	1/4" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint	2.78	1.29	
03 15 16 00-0014	LF	1/4" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint	3.20	1.35	
03 15 16 00-0015	LF	1/4" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint	3.46	1.41	
03 15 16 00-0016	LF	1/4" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint	3.73	1.48	
03 15 16 00-0017	LF	3/8" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint	3.04	1.29	
03 15 16 00-0018	LF	3/8" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint	3.41	1.35	
03 15 16 00-0019	LF	3/8" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint	3.84	1.41	
03 15 16 00-0020	LF	3/8" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint	4.45	1.48	
03 15 16 00-0021	LF	1/2" x 2" Asphalt Saturated Fiber, Premolded Expansion Joint	2.75	1.22	
03 15 16 00-0022	LF	1/2" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint	3.00	1.29	
03 15 16 00-0023	LF	1/2" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint	3.30	1.35	
03 15 16 00-0024	LF	1/2" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint	3.56	1.41	
03 15 16 00-0025	LF	1/2" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint	3.87	1.48	
03 15 16 00-0026	LF	1/2" x 8" Asphalt Saturated Fiber, Premolded Expansion Joint	4.29	1.54	
03 15 16 00-0027	LF	1/2" x 10" Asphalt Saturated Fiber, Premolded Expansion Joint	4.62	1.61	
03 15 16 00-0028	LF	1/2" x 12" Asphalt Saturated Fiber, Premolded Expansion Joint	5.20	1.67	
03 15 16 00-0029	LF	3/4" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint	3.33	1.35	
03 15 16 00-0030	LF	3/4" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint	3.82	1.41	
03 15 16 00-0031	LF	3/4" x 8" Asphalt Saturated Fiber, Premolded Expansion Joint	4.68	1.54	
03 15 16 00-0032	SF	1" Asphalt Saturated Fiber, Premolded Expansion Joint	8.13	2.12	
03 15 16 00-0033	Cork, Premolded Expansion Joints (03 15 16 00-0011)				
03 15 16 00-0034	LF	1/2" x 4" Cork, Premolded Expansion Joint	4.80	1.35	
03 15 16 00-0035	LF	1/2" x 6" Cork, Premolded Expansion Joint	5.40	1.48	
03 15 16 00-0036	LF	1/2" x 8" Cork, Premolded Expansion Joint	5.86	1.54	
03 15 16 00-0037	LF	1/2" x 10" Cork, Premolded Expansion Joint	8.25	1.61	
03 15 16 00-0038	LF	1/2" x 12" Cork, Premolded Expansion Joint	8.78	1.67	
03 15 16 00-0039	SF	1/2" Cork, Premolded Expansion Joint	9.68	2.12	
03 15 16 00-0040	SF	3/4" Cork, Premolded Expansion Joint	11.24	2.12	
03 15 16 00-0041	SF	1" Cork, Premolded Expansion Joint	11.96	2.12	
03 15 16 00-0042	Flexible Polyethylene Foam, Premolded Expansion Joints (03 15 16 00-0011)				
03 15 16 00-0043	LF	1/4" x 4" Flexible Polyethylene Foam, Premolded Expansion Joint	3.03	1.35	
03 15 16 00-0044	LF	1/4" x 5" Flexible Polyethylene Foam, Premolded Expansion Joint	3.16	1.41	
03 15 16 00-0045	LF	1/4" x 6" Flexible Polyethylene Foam, Premolded Expansion Joint	3.34	1.48	
03 15 16 00-0046	LF	1/4" x 8" Flexible Polyethylene Foam, Premolded Expansion Joint	3.88	1.54	
03 15 16 00-0047	LF	1/2" x 4" Flexible Polyethylene Foam, Premolded Expansion Joint	3.12	1.35	
03 15 16 00-0048	LF	1/2" x 5" Flexible Polyethylene Foam, Premolded Expansion Joint	3.26	1.41	
03 15 16 00-0049	LF	1/2" x 6" Flexible Polyethylene Foam, Premolded Expansion Joint	3.40	1.48	
03 15 16 00-0050	LF	1/2" x 8" Flexible Polyethylene Foam, Premolded Expansion Joint	3.73	1.54	
03 15 16 00-0051	Zip Strip, Premolded Expansion Joints (03 15 16 00-0011)				
03 15 16 00-0052	LF	1" Zip Strip, Premolded Expansion Joint	3.06	1.35	
03 15 16 00-0053	LF	1-1/2" Zip Strip, Premolded Expansion Joint	3.35	1.41	
03 15 16 00-0054	LF	2" Zip Strip, Premolded Expansion Joint	3.72	1.54	
03 15 16 00-0055	Sponge Rubber, Premolded Expansion Joints (03 15 16 00-0011)				
03 15 16 00-0056	LF	1/2" x 4" Sponge Rubber, Premolded Expansion Joint	4.93	1.29	
03 15 16 00-0057	LF	1/2" x 6" Sponge Rubber, Premolded Expansion Joint	5.90	1.29	
03 15 16 00-0058	Asphalt Felt Control Joints Or Bond Breaker (03 15 16)				
03 15 16 00-0059	SF	Asphalt Felt Control Joint, 30 Lb. Felt Bond Breaker	1.46	0.97	
		>1,250, Deduct	-0.07		
03 15 16 00-0060	SF	Asphalt Felt Control Joint, 15 Lb. Felt Bond Breaker	1.37	0.97	
		>1,250, Deduct	-0.07		
03 15 16 00-0061	Keyed Cold Expansion And Control Joints (03 15 16)				
03 15 16 00-0062	24 Gauge Galvanized Steel With Stakes (03 15 16 00-0061)				
03 15 16 00-0063	LF	24 Gauge Galvanized Steel Keyed Joint, 3-1/2" Cold Expansion Or Control Joint	7.14		
03 15 16 00-0064	LF	24 Gauge Galvanized Steel Keyed Joint, 4-1/2" Cold Expansion Or Control Joint	7.24		
03 15 16 00-0065	LF	24 Gauge Galvanized Steel Keyed Joint, 5-1/2" Cold Expansion Or Control Joint	7.49		
03 15 16 00-0066	LF	24 Gauge Galvanized Steel Keyed Joint, 7-1/2" Cold Expansion Or Control Joint	7.90		
03 15 16 00-0067	LF	24 Gauge Galvanized Steel Keyed Joint, 9-1/2" Cold Expansion Or Control Joint	9.58		
03 15 19	Cast-In Concrete Anchors (03 15)				
03 15 19 00-0001	Cast In Place Anchors (03 15 19)				
	Note: For cast in place installations. Includes nut and washer.				
03 15 19 00-0002	J-Type Anchor Bolts (03 15 19 00-0001)				
	See CSI section 03 11 13 00-0002 for template.				
03 15 19 00-0003	1/2" And 5/8" Diameter (03 15 19 00-0002)				

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0004	EA	1/2"	Diameter x 6" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	14.02	
			For Galvanized, Add	3.37	
			For Stainless Steel, Add	23.56	
			For >10 To 50, Deduct	-0.36	
			For >50 To 100, Deduct	-0.90	
			For >100, Deduct	-1.79	
03 15 19 00-0005	EA	1/2"	Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	16.44	
			For Galvanized, Add	4.29	
			For Stainless Steel, Add	30.03	
			For >10 To 50, Deduct	-0.39	
			For >50 To 100, Deduct	-1.00	
			For >100, Deduct	-2.00	
03 15 19 00-0006	EA	1/2"	Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	20.33	
			For Galvanized, Add	5.91	
			For Stainless Steel, Add	41.37	
			For >10 To 50, Deduct	-0.43	
			For >50 To 100, Deduct	-1.15	
			For >100, Deduct	-2.29	
03 15 19 00-0007	EA	5/8"	Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	23.95	
			For Galvanized, Add	7.72	
			For Stainless Steel, Add	54.04	
			For >10 To 50, Deduct	-0.43	
			For >50 To 100, Deduct	-1.24	
			For >100, Deduct	-2.47	
03 15 19 00-0008	EA	5/8"	Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	29.90	
			For Galvanized, Add	10.31	
			For Stainless Steel, Add	72.14	
			For >10 To 50, Deduct	-0.46	
			For >50 To 100, Deduct	-1.44	
			For >100, Deduct	-2.89	
03 15 19 00-0009	EA	5/8"	Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	33.76	
			For Galvanized, Add	11.78	
			For Stainless Steel, Add	82.43	
			For >10 To 50, Deduct	-0.51	
			For >50 To 100, Deduct	-1.61	
			For >100, Deduct	-3.22	
03 15 19 00-0010			3/4" And 7/8" Diameter (03 15 19 00-0002)	33.60	
03 15 19 00-0011	EA	3/4"	Diameter x 8" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	11.70	
			For Galvanized, Add	81.87	
			For Stainless Steel, Add	-0.51	
			For >10 To 50, Deduct	-1.61	
			For >50 To 100, Deduct	-3.21	
03 15 19 00-0012	EA	3/4"	Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	38.61	
			For Galvanized, Add	13.63	
			For Stainless Steel, Add	95.41	
			For >10 To 50, Deduct	-0.57	
			For >50 To 100, Deduct	-1.82	
			For >100, Deduct	-3.63	
03 15 19 00-0013	EA	3/4"	Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	47.68	
			For Galvanized, Add	17.46	
			For Stainless Steel, Add	122.19	
			For >10 To 50, Deduct	-0.64	
			For >50 To 100, Deduct	-2.15	
			For >100, Deduct	-4.30	
03 15 19 00-0014	EA	3/4"	Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	58.31	
			For Galvanized, Add	22.00	
			For Stainless Steel, Add	154.00	
			For >10 To 50, Deduct	-0.72	
			For >50 To 100, Deduct	-2.53	
			For >100, Deduct	-5.06	
03 15 19 00-0015	EA	7/8"	Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	44.74	
			For Galvanized, Add	15.99	
			For Stainless Steel, Add	111.90	
			For >10 To 50, Deduct	-0.64	
			For >50 To 100, Deduct	-2.08	
			For >100, Deduct	-4.15	
03 15 19 00-0016	EA	7/8"	Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	52.87	
			For Galvanized, Add	19.14	
			For Stainless Steel, Add	133.98	
			For >10 To 50, Deduct	-0.73	
			For >50 To 100, Deduct	-2.42	
			For >100, Deduct	-4.83	
03 15 19 00-0017	EA	7/8"	Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	68.04	
			For Galvanized, Add	25.51	
			For Stainless Steel, Add	178.57	
			For >10 To 50, Deduct	-0.85	
			For >50 To 100, Deduct	-2.98	
			For >100, Deduct	-5.96	
03 15 19 00-0018			1" And 1-1/8" Diameter (03 15 19 00-0002)	55.94	
03 15 19 00-0019	EA	1"	Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	20.68	
			For Galvanized, Add	144.73	
			For Stainless Steel, Add	-0.73	
			For >10 To 50, Deduct	-2.49	
			For >50 To 100, Deduct	-4.99	
			For >100, Deduct		

03 Concrete**03 10 Concrete Forming and Accessories****03 15 Concrete Accessories**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

03 15 19 00-0020	EA	1" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	66.78	
		For Galvanized, Add	24.88	
		For Stainless Steel, Add	174.16	
		For >10 To 50, Deduct	-0.85	
		For >50 To 100, Deduct	-2.95	
		For >100, Deduct	-5.89	
03 15 19 00-0021	EA	1" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	82.81	
		For Galvanized, Add	31.19	
		For Stainless Steel, Add	218.33	
		For >10 To 50, Deduct	-1.02	
		For >50 To 100, Deduct	-3.60	
		For >100, Deduct	-7.21	
03 15 19 00-0022	EA	1" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	101.74	
		For Galvanized, Add	38.11	
		For Stainless Steel, Add	266.74	
		For >10 To 50, Deduct	-1.28	
		For >50 To 100, Deduct	-4.46	
		For >100, Deduct	-8.92	
03 15 19 00-0023	EA	1-1/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	67.71	
		For Galvanized, Add	25.85	
		For Stainless Steel, Add	180.92	
		For >10 To 50, Deduct	-0.80	
		For >50 To 100, Deduct	-2.89	
		For >100, Deduct	-5.79	
03 15 19 00-0024	EA	1-1/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	80.89	
		For Galvanized, Add	31.11	
		For Stainless Steel, Add	217.74	
		For >10 To 50, Deduct	-0.93	
		For >50 To 100, Deduct	-3.42	
		For >100, Deduct	-6.85	
03 15 19 00-0025	EA	1-1/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	100.41	
		For Galvanized, Add	38.99	
		For Stainless Steel, Add	272.93	
		For >10 To 50, Deduct	-1.12	
		For >50 To 100, Deduct	-4.19	
		For >100, Deduct	-8.39	
03 15 19 00-0026	EA	1-1/8" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	123.30	
		For Galvanized, Add	47.64	
		For Stainless Steel, Add	333.45	
		For >10 To 50, Deduct	-1.40	
		For >50 To 100, Deduct	-5.18	
		For >100, Deduct	-10.37	

03 15 19 00-0027 1-1/4" And 1-1/2" Diameter (03 15 19 00-0002)

03 15 19 00-0028	EA	1-1/4" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	82.36	
		For Galvanized, Add	32.31	
		For Stainless Steel, Add	226.14	
		For >10 To 50, Deduct	-0.89	
		For >50 To 100, Deduct	-3.39	
		For >100, Deduct	-6.78	
03 15 19 00-0029	EA	1-1/4" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	98.46	
		For Galvanized, Add	38.89	
		For Stainless Steel, Add	272.20	
		For >10 To 50, Deduct	-1.03	
		For >50 To 100, Deduct	-4.01	
		For >100, Deduct	-8.03	
03 15 19 00-0030	EA	1-1/4" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	122.34	
		For Galvanized, Add	48.75	
		For Stainless Steel, Add	341.25	
		For >10 To 50, Deduct	-1.24	
		For >50 To 100, Deduct	-4.92	
		For >100, Deduct	-9.84	
03 15 19 00-0031	EA	1-1/4" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	150.12	
		For Galvanized, Add	59.54	
		For Stainless Steel, Add	416.75	
		For >10 To 50, Deduct	-1.55	
		For >50 To 100, Deduct	-6.08	
		For >100, Deduct	-12.16	
03 15 19 00-0032	EA	1-1/2" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	100.66	
		For Galvanized, Add	40.38	
		For Stainless Steel, Add	282.66	
		For >10 To 50, Deduct	-1.00	
		For >50 To 100, Deduct	-4.01	
		For >100, Deduct	-8.02	
03 15 19 00-0033	EA	1-1/2" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	120.41	
		For Galvanized, Add	48.60	
		For Stainless Steel, Add	340.20	
		For >10 To 50, Deduct	-1.16	
		For >50 To 100, Deduct	-4.75	
		For >100, Deduct	-9.50	
03 15 19 00-0034	EA	1-1/2" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	149.76	
		For Galvanized, Add	60.95	
		For Stainless Steel, Add	426.62	
		For >10 To 50, Deduct	-1.39	
		For >50 To 100, Deduct	-5.83	
		For >100, Deduct	-11.67	

Concrete			03	CS
Concrete Forming and Accessories			03 10	
Concrete Accessories			03 15	
MINOR	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

03 15 19 00-0035	EA	1-1/2" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	183.66	
		For Galvanized, Add	74.43	
		For Stainless Steel, Add	520.98	
		For >10 To 50, Deduct	-1.74	
		For >50 To 100, Deduct	-7.20	
		For >100, Deduct	-14.40	
03 15 19 00-0036		L-Type Anchor Bolts (03 15 19 00-0001)		
		See CSI section 03 11 13 00-0002 for template.		
03 15 19 00-0037		3/4" And 7/8" Diameter (03 15 19 00-0036)		
03 15 19 00-0038	EA	3/4" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	29.23	
		For Galvanized, Add	8.94	
		For Stainless Steel, Add	62.58	
		For >10 To 50, Deduct	-0.57	
		For >50 To 100, Deduct	-1.58	
		For >100, Deduct	-3.16	
03 15 19 00-0039	EA	3/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	34.85	
		For Galvanized, Add	11.04	
		For Stainless Steel, Add	77.28	
		For >10 To 50, Deduct	-0.64	
		For >50 To 100, Deduct	-1.83	
		For >100, Deduct	-3.66	
03 15 19 00-0040	EA	3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	39.91	
		For Galvanized, Add	12.66	
		For Stainless Steel, Add	88.62	
		For >10 To 50, Deduct	-0.73	
		For >50 To 100, Deduct	-2.09	
		For >100, Deduct	-4.18	
03 15 19 00-0041	EA	3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	43.31	
		For Galvanized, Add	13.15	
		For Stainless Steel, Add	92.02	
		For >10 To 50, Deduct	-0.85	
		For >50 To 100, Deduct	-2.36	
		For >100, Deduct	-4.72	
03 15 19 00-0042	EA	3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	48.02	
		For Galvanized, Add	13.80	
		For Stainless Steel, Add	96.57	
		For >10 To 50, Deduct	-1.02	
		For >50 To 100, Deduct	-2.73	
		For >100, Deduct	-5.47	
03 15 19 00-0043	EA	7/8" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	34.94	
		For Galvanized, Add	11.09	
		For Stainless Steel, Add	77.60	
		For >10 To 50, Deduct	-0.64	
		For >50 To 100, Deduct	-1.83	
		For >100, Deduct	-3.66	
03 15 19 00-0044	EA	7/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	40.42	
		For Galvanized, Add	12.92	
		For Stainless Steel, Add	90.41	
		For >10 To 50, Deduct	-0.73	
		For >50 To 100, Deduct	-2.10	
		For >100, Deduct	-4.21	
03 15 19 00-0045	EA	7/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	46.63	
		For Galvanized, Add	14.81	
		For Stainless Steel, Add	103.64	
		For >10 To 50, Deduct	-0.85	
		For >50 To 100, Deduct	-2.44	
		For >100, Deduct	-4.88	
03 15 19 00-0046	EA	7/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	51.18	
		For Galvanized, Add	15.38	
		For Stainless Steel, Add	107.63	
		For >10 To 50, Deduct	-1.02	
		For >50 To 100, Deduct	-2.81	
		For >100, Deduct	-5.62	
03 15 19 00-0047	EA	7/8" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	57.83	
		For Galvanized, Add	16.15	
		For Stainless Steel, Add	113.05	
		For >10 To 50, Deduct	-1.28	
		For >50 To 100, Deduct	-3.36	
		For >100, Deduct	-6.72	
03 15 19 00-0048		1" And 1-1/8" Diameter (03 15 19 00-0036)		
03 15 19 00-0049	EA	1" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	43.02	
		For Galvanized, Add	14.22	
		For Stainless Steel, Add	99.51	
		For >10 To 50, Deduct	-0.73	
		For >50 To 100, Deduct	-2.17	
		For >100, Deduct	-4.34	
03 15 19 00-0050	EA	1" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	48.99	
		For Galvanized, Add	15.99	
		For Stainless Steel, Add	111.90	
		For >10 To 50, Deduct	-0.85	
		For >50 To 100, Deduct	-2.50	
		For >100, Deduct	-5.00	

03 Concrete**03 10 Concrete Forming and Accessories****03 15 Concrete Accessories**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

03 15 19 00-0051	EA	1" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	56.18	
		For Galvanized, Add	17.88	
		For Stainless Steel, Add	125.13	
		For >10 To 50, Deduct	-1.02	
		For >50 To 100, Deduct	-2.94	
		For >100, Deduct	-5.87	
03 15 19 00-0052	EA	1" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	59.63	
		For Galvanized, Add	18.72	
		For Stainless Steel, Add	131.01	
		For >10 To 50, Deduct	-1.11	
		For >50 To 100, Deduct	-3.16	
		For >100, Deduct	-6.31	
03 15 19 00-0053	EA	1" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	64.73	
		For Galvanized, Add	19.60	
		For Stainless Steel, Add	137.20	
		For >10 To 50, Deduct	-1.28	
		For >50 To 100, Deduct	-3.53	
		For >100, Deduct	-7.07	
03 15 19 00-0054	EA	1" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	73.80	
		For Galvanized, Add	22.72	
		For Stainless Steel, Add	159.01	
		For >10 To 50, Deduct	-1.42	
		For >50 To 100, Deduct	-3.97	
		For >100, Deduct	-7.95	
03 15 19 00-0055	EA	1" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	87.21	
		For Galvanized, Add	26.59	
		For Stainless Steel, Add	186.10	
		For >10 To 50, Deduct	-1.70	
		For >50 To 100, Deduct	-4.73	
		For >100, Deduct	-9.47	
03 15 19 00-0056	EA	1-1/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	54.41	
		For Galvanized, Add	18.70	
		For Stainless Steel, Add	130.87	
		For >10 To 50, Deduct	-0.85	
		For >50 To 100, Deduct	-2.64	
		For >100, Deduct	-5.27	
03 15 19 00-0057	EA	1-1/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	62.28	
		For Galvanized, Add	20.93	
		For Stainless Steel, Add	146.48	
		For >10 To 50, Deduct	-1.02	
		For >50 To 100, Deduct	-3.09	
		For >100, Deduct	-6.18	
03 15 19 00-0058	EA	1-1/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	65.99	
		For Galvanized, Add	21.90	
		For Stainless Steel, Add	153.27	
		For >10 To 50, Deduct	-1.11	
		For >50 To 100, Deduct	-3.31	
		For >100, Deduct	-6.63	

03 15 19 00-0059 1-1/4" And 1-3/8" Diameter (03 15 19 00-0036)

03 15 19 00-0060	EA	1-1/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	65.65	
		For Galvanized, Add	22.61	
		For Stainless Steel, Add	158.27	
		For >10 To 50, Deduct	-1.02	
		For >50 To 100, Deduct	-3.17	
		For >100, Deduct	-6.35	
03 15 19 00-0061	EA	1-1/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	78.44	
		For Galvanized, Add	26.46	
		For Stainless Steel, Add	185.19	
		For >10 To 50, Deduct	-1.28	
		For >50 To 100, Deduct	-3.88	
		For >100, Deduct	-7.75	
03 15 19 00-0062	EA	1-1/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	86.82	
		For Galvanized, Add	29.97	
		For Stainless Steel, Add	209.79	
		For >10 To 50, Deduct	-1.34	
		For >50 To 100, Deduct	-4.19	
		For >100, Deduct	-8.37	
03 15 19 00-0063	EA	1-1/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	96.05	
		For Galvanized, Add	33.84	
		For Stainless Steel, Add	236.88	
		For >10 To 50, Deduct	-1.42	
		For >50 To 100, Deduct	-4.53	
		For >100, Deduct	-9.06	
03 15 19 00-0064	EA	1-1/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	105.53	
		For Galvanized, Add	36.81	
		For Stainless Steel, Add	257.64	
		For >10 To 50, Deduct	-1.60	
		For >50 To 100, Deduct	-5.03	
		For >100, Deduct	-10.06	
03 15 19 00-0065	EA	1-1/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	115.30	
		For Galvanized, Add	39.41	
		For Stainless Steel, Add	275.87	
		For >10 To 50, Deduct	-1.82	
		For >50 To 100, Deduct	-5.62	
		For >100, Deduct	-11.24	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0066	EA		1-1/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	126.92	
			For Galvanized, Add	42.19	
			For Stainless Steel, Add	295.30	
			For >10 To 50, Deduct	-2.13	
			For >50 To 100, Deduct	-6.36	
			For >100, Deduct	-12.73	
03 15 19 00-0067	EA		1-1/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	144.36	
			For Galvanized, Add	46.65	
			For Stainless Steel, Add	326.52	
			For >10 To 50, Deduct	-2.55	
			For >50 To 100, Deduct	-7.44	
			For >100, Deduct	-14.88	
03 15 19 00-0068	EA		1-3/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	76.96	
			For Galvanized, Add	28.27	
			For Stainless Steel, Add	197.86	
			For >10 To 50, Deduct	-1.02	
			For >50 To 100, Deduct	-3.46	
			For >100, Deduct	-6.91	
03 15 19 00-0069	EA		1-3/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	91.69	
			For Galvanized, Add	33.08	
			For Stainless Steel, Add	231.56	
			For >10 To 50, Deduct	-1.28	
			For >50 To 100, Deduct	-4.21	
			For >100, Deduct	-8.41	
03 15 19 00-0070	EA		1-3/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	101.79	
			For Galvanized, Add	37.46	
			For Stainless Steel, Add	262.19	
			For >10 To 50, Deduct	-1.34	
			For >50 To 100, Deduct	-4.56	
			For >100, Deduct	-9.12	
03 15 19 00-0071	EA		1-3/8" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	112.95	
			For Galvanized, Add	42.29	
			For Stainless Steel, Add	296.03	
			For >10 To 50, Deduct	-1.42	
			For >50 To 100, Deduct	-4.95	
			For >100, Deduct	-9.90	
03 15 19 00-0072	EA		1-3/8" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	123.95	
			For Galvanized, Add	46.02	
			For Stainless Steel, Add	322.11	
			For >10 To 50, Deduct	-1.60	
			For >50 To 100, Deduct	-5.49	
			For >100, Deduct	-10.99	
03 15 19 00-0073	EA		1-3/8" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	135.03	
			For Galvanized, Add	49.28	
			For Stainless Steel, Add	344.93	
			For >10 To 50, Deduct	-1.82	
			For >50 To 100, Deduct	-6.11	
			For >100, Deduct	-12.22	
03 15 19 00-0074	EA		1-3/8" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	148.88	
			For Galvanized, Add	53.17	
			For Stainless Steel, Add	372.16	
			For >10 To 50, Deduct	-2.13	
			For >50 To 100, Deduct	-6.91	
			For >100, Deduct	-13.83	
03 15 19 00-0075	EA		1-3/8" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	167.71	
			For Galvanized, Add	58.32	
			For Stainless Steel, Add	408.24	
			For >10 To 50, Deduct	-2.55	
			For >50 To 100, Deduct	-8.02	
			For >100, Deduct	-16.05	
03 15 19 00-0076			1-1/2", 1-3/4", And 2" Diameter (03 15 19 00-0036).....	101.57	
03 15 19 00-0077	EA		1-1/2" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	101.57	
			For Galvanized, Add	39.18	
			For Stainless Steel, Add	274.26	
			For >10 To 50, Deduct	-1.16	
			For >50 To 100, Deduct	-4.28	
			For >100, Deduct	-8.56	
03 15 19 00-0078	EA		1-1/2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	109.07	
			For Galvanized, Add	41.10	
			For Stainless Steel, Add	287.67	
			For >10 To 50, Deduct	-1.34	
			For >50 To 100, Deduct	-4.74	
			For >100, Deduct	-9.49	
03 15 19 00-0079	EA		1-1/2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	120.47	
			For Galvanized, Add	45.22	
			For Stainless Steel, Add	316.51	
			For >10 To 50, Deduct	-1.50	
			For >50 To 100, Deduct	-5.26	
			For >100, Deduct	-10.53	
03 15 19 00-0080	EA		1-1/2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	130.72	
			For Galvanized, Add	49.40	
			For Stainless Steel, Add	345.80	
			For >10 To 50, Deduct	-1.60	
			For >50 To 100, Deduct	-5.66	
			For >100, Deduct	-11.32	

03 Concrete**03 10 Concrete Forming and Accessories****03 15 Concrete Accessories**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

03 15 19 00-0081	EA	1-1/2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	141.21	
		For Galvanized, Add	53.59	
		For Stainless Steel, Add	375.10	
		For >10 To 50, Deduct	-1.70	
		For >50 To 100, Deduct	-6.08	
		For >100, Deduct	-12.17	
03 15 19 00-0082	EA	1-1/2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	154.54	
		For Galvanized, Add	57.63	
		For Stainless Steel, Add	403.38	
		For >10 To 50, Deduct	-1.96	
		For >50 To 100, Deduct	-6.81	
		For >100, Deduct	-13.62	
03 15 19 00-0083	EA	1-1/2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	171.10	
		For Galvanized, Add	62.34	
		For Stainless Steel, Add	436.35	
		For >10 To 50, Deduct	-2.32	
		For >50 To 100, Deduct	-7.76	
		For >100, Deduct	-15.52	
03 15 19 00-0084	EA	1-1/2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	194.99	
		For Galvanized, Add	69.13	
		For Stainless Steel, Add	483.88	
		For >10 To 50, Deduct	-2.84	
		For >50 To 100, Deduct	-9.13	
		For >100, Deduct	-18.26	
03 15 19 00-0085	EA	1-3/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	143.43	
		For Galvanized, Add	58.95	
		For Stainless Steel, Add	412.65	
		For >10 To 50, Deduct	-1.28	
		For >50 To 100, Deduct	-5.50	
		For >100, Deduct	-11.00	
03 15 19 00-0086	EA	1-3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	148.83	
		For Galvanized, Add	60.23	
		For Stainless Steel, Add	421.61	
		For >10 To 50, Deduct	-1.42	
		For >50 To 100, Deduct	-5.85	
		For >100, Deduct	-11.70	
03 15 19 00-0087	EA	1-3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	152.44	
		For Galvanized, Add	61.20	
		For Stainless Steel, Add	428.40	
		For >10 To 50, Deduct	-1.50	
		For >50 To 100, Deduct	-6.06	
		For >100, Deduct	-12.13	
03 15 19 00-0088	EA	1-3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	173.29	
		For Galvanized, Add	70.69	
		For Stainless Steel, Add	494.80	
		For >10 To 50, Deduct	-1.60	
		For >50 To 100, Deduct	-6.73	
		For >100, Deduct	-13.45	
03 15 19 00-0089	EA	1-3/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	199.68	
		For Galvanized, Add	81.60	
		For Stainless Steel, Add	571.20	
		For >10 To 50, Deduct	-1.82	
		For >50 To 100, Deduct	-7.73	
		For >100, Deduct	-15.46	
03 15 19 00-0090	EA	1-3/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	207.89	
		For Galvanized, Add	82.67	
		For Stainless Steel, Add	578.69	
		For >10 To 50, Deduct	-2.13	
		For >50 To 100, Deduct	-8.39	
		For >100, Deduct	-16.78	
03 15 19 00-0091	EA	1-3/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	229.62	
		For Galvanized, Add	89.28	
		For Stainless Steel, Add	624.93	
		For >10 To 50, Deduct	-2.55	
		For >50 To 100, Deduct	-9.57	
		For >100, Deduct	-19.14	
03 15 19 00-0092	EA	1-3/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	256.13	
		For Galvanized, Add	96.15	
		For Stainless Steel, Add	673.05	
		For >10 To 50, Deduct	-3.19	
		For >50 To 100, Deduct	-11.19	
		For >100, Deduct	-22.38	
03 15 19 00-0093	EA	2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	209.51	
		For Galvanized, Add	89.74	
		For Stainless Steel, Add	628.15	
		For >10 To 50, Deduct	-1.50	
		For >50 To 100, Deduct	-7.49	
		For >100, Deduct	-14.98	
03 15 19 00-0094	EA	2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	228.07	
		For Galvanized, Add	97.02	
		For Stainless Steel, Add	679.11	
		For >10 To 50, Deduct	-1.70	
		For >50 To 100, Deduct	-8.25	
		For >100, Deduct	-16.51	
03 15 19 00-0095	EA	2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	250.77	
		For Galvanized, Add	105.74	
		For Stainless Steel, Add	740.18	
		For >10 To 50, Deduct	-1.96	
		For >50 To 100, Deduct	-9.22	
		For >100, Deduct	-18.43	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0096	EA	2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	270.40	
		For Galvanized, Add	111.99	
		For Stainless Steel, Add	783.90	
		For >10 To 50, Deduct	-2.32	
		For >50 To 100, Deduct	-10.24	
		For >100, Deduct	-20.48	
03 15 19 00-0097	EA	2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	291.74	
		For Galvanized, Add	120.34	
		For Stainless Steel, Add	842.35	
		For >10 To 50, Deduct	-2.55	
		For >50 To 100, Deduct	-11.12	
		For >100, Deduct	-22.25	
03 15 19 00-0098	EA	2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	313.73	
		For Galvanized, Add	128.50	
		For Stainless Steel, Add	899.47	
		For >10 To 50, Deduct	-2.84	
		For >50 To 100, Deduct	-12.10	
		For >100, Deduct	-24.20	
03 15 19 00-0099	EA	2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	348.96	
		For Galvanized, Add	138.00	
		For Stainless Steel, Add	966.00	
		For >10 To 50, Deduct	-3.65	
		For >50 To 100, Deduct	-14.20	
		For >100, Deduct	-28.39	
03 15 19 00-0100	EA	2" Diameter x 66" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	376.39	
		For Galvanized, Add	151.72	
		For Stainless Steel, Add	1,062.01	
		For >10 To 50, Deduct	-3.65	
		For >50 To 100, Deduct	-14.88	
		For >100, Deduct	-29.76	
03 15 19 00-0101	EA	2" Diameter x 72" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	422.41	
		For Galvanized, Add	168.65	
		For Stainless Steel, Add	1,180.52	
		For >10 To 50, Deduct	-4.26	
		For >50 To 100, Deduct	-16.94	
		For >100, Deduct	-33.89	
03 15 19 00-0102 2-1/2" And 2-3/4" Diameter (03 15 19 00-0036)				
03 15 19 00-0103	EA	2-1/2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	428.78	
		For Galvanized, Add	199.37	
		For Stainless Steel, Add	1,395.59	
		For >10 To 50, Deduct	-1.50	
		For >50 To 100, Deduct	-12.97	
		For >100, Deduct	-25.95	
03 15 19 00-0104	EA	2-1/2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	450.82	
		For Galvanized, Add	208.39	
		For Stainless Steel, Add	1,458.73	
		For >10 To 50, Deduct	-1.70	
		For >50 To 100, Deduct	-13.82	
		For >100, Deduct	-27.65	
03 15 19 00-0105	EA	2-1/2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	491.28	
		For Galvanized, Add	226.00	
		For Stainless Steel, Add	1,581.97	
		For >10 To 50, Deduct	-1.96	
		For >50 To 100, Deduct	-15.23	
		For >100, Deduct	-30.46	
03 15 19 00-0106	EA	2-1/2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	522.77	
		For Galvanized, Add	238.17	
		For Stainless Steel, Add	1,667.19	
		For >10 To 50, Deduct	-2.32	
		For >50 To 100, Deduct	-16.55	
		For >100, Deduct	-33.10	
03 15 19 00-0107	EA	2-1/2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	552.94	
		For Galvanized, Add	250.94	
		For Stainless Steel, Add	1,756.55	
		For >10 To 50, Deduct	-2.55	
		For >50 To 100, Deduct	-17.65	
		For >100, Deduct	-35.31	
03 15 19 00-0108	EA	2-1/2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	587.21	
		For Galvanized, Add	265.24	
		For Stainless Steel, Add	1,856.65	
		For >10 To 50, Deduct	-2.84	
		For >50 To 100, Deduct	-18.94	
		For >100, Deduct	-37.87	
03 15 19 00-0109	EA	2-1/2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	632.71	
		For Galvanized, Add	279.88	
		For Stainless Steel, Add	1,959.13	
		For >10 To 50, Deduct	-3.65	
		For >50 To 100, Deduct	-21.29	
		For >100, Deduct	-42.58	
03 15 19 00-0110	EA	2-3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	483.32	
		For Galvanized, Add	225.70	
		For Stainless Steel, Add	1,579.90	
		For >10 To 50, Deduct	-1.60	
		For >50 To 100, Deduct	-14.48	
		For >100, Deduct	-28.95	

03 Concrete**03 10 Concrete Forming and Accessories****03 15 Concrete Accessories**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

03 15 19 00-0111	EA	2-3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	519.34	
		For Galvanized, Add	241.43	
		For Stainless Steel, Add	1,690.01	
		For >10 To 50, Deduct	-1.82	
		For >50 To 100, Deduct	-15.72	
		For >100, Deduct	-31.44	
03 15 19 00-0112	EA	2-3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	557.17	
		For Galvanized, Add	257.31	
		For Stainless Steel, Add	1,801.17	
		For >10 To 50, Deduct	-2.13	
		For >50 To 100, Deduct	-17.12	
		For >100, Deduct	-34.24	
03 15 19 00-0113	EA	2-3/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	594.29	
		For Galvanized, Add	271.61	
		For Stainless Steel, Add	1,901.27	
		For >10 To 50, Deduct	-2.55	
		For >50 To 100, Deduct	-18.69	
		For >100, Deduct	-37.38	
03 15 19 00-0114	EA	2-3/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	631.21	
		For Galvanized, Add	287.24	
		For Stainless Steel, Add	2,010.65	
		For >10 To 50, Deduct	-2.84	
		For >50 To 100, Deduct	-20.04	
		For >100, Deduct	-40.07	
03 15 19 00-0115	EA	2-3/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	682.67	
		For Galvanized, Add	309.42	
		For Stainless Steel, Add	2,165.94	
		For >10 To 50, Deduct	-3.19	
		For >50 To 100, Deduct	-21.85	
		For >100, Deduct	-43.71	
03 15 19 00-0116	EA	2-3/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	737.99	
		For Galvanized, Add	326.44	
		For Stainless Steel, Add	2,285.05	
		For >10 To 50, Deduct	-4.26	
		For >50 To 100, Deduct	-24.83	
		For >100, Deduct	-49.67	

03 20 Concrete Reinforcing ⁽⁰³⁾

Note: Includes cutting and torching to size, bending where necessary and tie wires.

03 21 Reinforcement Bars ^(03 20)

Note: Includes cutting, bending, tie wire, tying, bar chairs and all non-mechanical splicing. The weights of reinforcing steel shall be used as follows: #2 - 0.167 Lb./LF, #3 - 0.376 Lb./LF, #4 - 0.668 Lb./LF, #5 - 1.043 Lb./LF, #6 - 1.502 Lb./LF, #7 - 2.044 Lb./LF, #8 - 2.670 Lb./LF, #9 - 3.400 Lb./LF, #10 - 4.303 Lb./LF, #11 - 5.313 Lb./LF, #14 - 7.650 Lb./LF, #18 - 13.600 Lb./LF.

03 21 11 Plain Steel Reinforcement Bars ^(03 21)**03 21 11 00-0001 Beams And Girders, Steel Reinforcement Bar** ^(03 21 11)

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0002	LF	#3, Grade 40, Beams And Girders, Steel Reinforcement Bar.....	0.80	
		For Up To 100, Add	0.55	
		For >100 To 200, Add	0.30	
		For >200 To 500, Add	0.12	
03 21 11 00-0003	LF	#4, Grade 40, Beams And Girders, Steel Reinforcement Bar.....	1.35	
		For Up To 100, Add	0.95	
		For >100 To 200, Add	0.51	
		For >200 To 500, Add	0.20	
03 21 11 00-0004	LF	#5, Grade 40, Beams And Girders, Steel Reinforcement Bar.....	2.03	
		For Up To 100, Add	1.45	
		For >100 To 200, Add	0.78	
		For >200 To 500, Add	0.31	
03 21 11 00-0005	LF	#6, Grade 40, Beams And Girders, Steel Reinforcement Bar.....	2.82	
		For Up To 100, Add	2.05	
		For >100 To 200, Add	1.09	
		For >200 To 500, Add	0.44	
03 21 11 00-0006	LF	#3, Grade 50, Beams And Girders, Steel Reinforcement Bar.....	0.81	
		For Up To 100, Add	0.56	
		For >100 To 200, Add	0.30	
		For >200 To 500, Add	0.12	
03 21 11 00-0007	LF	#4, Grade 50, Beams And Girders, Steel Reinforcement Bar.....	1.38	
		For Up To 100, Add	0.98	
		For >100 To 200, Add	0.53	
		For >200 To 500, Add	0.21	
03 21 11 00-0008	LF	#5, Grade 50, Beams And Girders, Steel Reinforcement Bar.....	2.08	
		For Up To 100, Add	1.50	
		For >100 To 200, Add	0.80	
		For >200 To 500, Add	0.32	
03 21 11 00-0009	LF	#6, Grade 50, Beams And Girders, Steel Reinforcement Bar.....	2.90	
		For Up To 100, Add	2.13	
		For >100 To 200, Add	1.13	
		For >200 To 500, Add	0.45	
03 21 11 00-0010	LF	#3, Grade 60, Beams And Girders, Steel Reinforcement Bar.....	0.84	
		For Up To 100, Add	0.59	
		For >100 To 200, Add	0.32	
		For >200 To 500, Add	0.13	
03 21 11 00-0011	LF	#4, Grade 60, Beams And Girders, Steel Reinforcement Bar.....	1.43	
		For Up To 100, Add	1.03	
		For >100 To 200, Add	0.55	
		For >200 To 500, Add	0.22	

			Concrete	03	3
			Concrete Reinforcing	03 20	
			Reinforcement Bars	03 21	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

03 21 11 00-0012	LF	#5, Grade 60, Beams And Girders, Steel Reinforcement Bar	2.16		
		For Up To 100, Add	1.58		
		For >100 To 200, Add	0.84		
		For >200 To 500, Add	0.34		
03 21 11 00-0013	LF	#6, Grade 60, Beams And Girders, Steel Reinforcement Bar	3.01		
		For Up To 100, Add	2.24		
		For >100 To 200, Add	1.19		
		For >200 To 500, Add	0.47		
03 21 11 00-0014	LF	#7, Grade 60, Beams And Girders, Steel Reinforcement Bar	3.93		
		For Up To 100, Add	2.32		
		For >100 To 200, Add	1.34		
		For >200 To 400, Add	0.63		
03 21 11 00-0015	LF	#8, Grade 60, Beams And Girders, Steel Reinforcement Bar	4.92		
		For Up To 100, Add	2.95		
		For >100 To 200, Add	1.69		
		For >200 To 400, Add	0.80		
03 21 11 00-0016	LF	#9, Grade 60, Beams And Girders, Steel Reinforcement Bar	6.09		
		For Up To 100, Add	3.70		
		For >100 To 200, Add	2.11		
		For >200 To 400, Add	1.00		
03 21 11 00-0017	LF	#10, Grade 60, Beams And Girders, Steel Reinforcement Bar	7.48		
		For Up To 100, Add	3.74		
		For >100 To 200, Add	1.99		
		For >200 To 300, Add	1.00		
03 21 11 00-0018	LF	#11, Grade 60, Beams And Girders, Steel Reinforcement Bar	8.95		
		For Up To 100, Add	4.53		
		For >100 To 200, Add	2.40		
		For >200 To 300, Add	1.20		
03 21 11 00-0019	LF	#14, Grade 60, Beams And Girders, Steel Reinforcement Bar	12.48		
		For Up To 100, Add	6.39		
		For >100 To 200, Add	3.38		
		For >200 To 300, Add	1.69		
03 21 11 00-0020	LF	#18, Grade 60, Beams And Girders, Steel Reinforcement Bar	21.47		
		For Up To 100, Add	11.15		
		For >100 To 200, Add	5.86		
		For >200 To 300, Add	2.93		
03 21 11 00-0021	LF	#6, Grade 75, Beams And Girders, Steel Reinforcement Bar	3.13		
		For Up To 100, Add	2.36		
		For >100 To 200, Add	1.25		
		For >200 To 500, Add	0.50		
03 21 11 00-0022	LF	#7, Grade 75, Beams And Girders, Steel Reinforcement Bar	4.09		
		For Up To 100, Add	2.44		
		For >100 To 200, Add	1.40		
		For >200 To 400, Add	0.66		
03 21 11 00-0023	LF	#8, Grade 75, Beams And Girders, Steel Reinforcement Bar	5.13		
		For Up To 100, Add	3.11		
		For >100 To 200, Add	1.78		
		For >200 To 400, Add	0.84		
03 21 11 00-0024	LF	#9, Grade 75, Beams And Girders, Steel Reinforcement Bar	6.35		
		For Up To 100, Add	3.90		
		For >100 To 200, Add	2.22		
		For >200 To 400, Add	1.05		
03 21 11 00-0025	LF	#10, Grade 75, Beams And Girders, Steel Reinforcement Bar	7.81		
		For Up To 100, Add	3.93		
		For >100 To 200, Add	2.09		
		For >200 To 300, Add	1.05		
03 21 11 00-0026	LF	#11, Grade 75, Beams And Girders, Steel Reinforcement Bar	9.35		
		For Up To 100, Add	4.77		
		For >100 To 200, Add	2.52		
		For >200 To 300, Add	1.26		
03 21 11 00-0027	LF	#14, Grade 75, Beams And Girders, Steel Reinforcement Bar	13.07		
		For Up To 100, Add	6.75		
		For >100 To 200, Add	3.56		
		For >200 To 300, Add	1.78		
03 21 11 00-0028	LF	#18, Grade 75, Beams And Girders, Steel Reinforcement Bar	22.52		
		For Up To 100, Add	11.78		
		For >100 To 200, Add	6.18		
		For >200 To 300, Add	3.09		
03 21 11 00-0029	LF	#3, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	0.87		
		For Up To 100, Add	0.62		
		For >100 To 200, Add	0.33		
		For >200 To 500, Add	0.13		
03 21 11 00-0030	LF	#4, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	1.47		
		For Up To 100, Add	1.07		
		For >100 To 200, Add	0.57		
		For >200 To 500, Add	0.23		
03 21 11 00-0031	LF	#5, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	2.22		
		For Up To 100, Add	1.64		
		For >100 To 200, Add	0.87		
		For >200 To 500, Add	0.35		
03 21 11 00-0032	LF	#6, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	3.10		
		For Up To 100, Add	2.33		
		For >100 To 200, Add	1.23		
		For >200 To 500, Add	0.49		
03 21 11 00-0033	LF	#7, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	4.05		
		For Up To 100, Add	2.41		
		For >100 To 200, Add	1.38		
		For >200 To 400, Add	0.65		

03 Concrete
03 20 Concrete Reinforcing
03 21 Reinforcement Bars

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 21 11 00-0034	LF #8, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	5.08	
	For Up To 100, Add	3.07	
	For >100 To 200, Add	1.76	
	For >200 To 400, Add	0.83	
03 21 11 00-0035	LF #9, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	6.28	
	For Up To 100, Add	3.85	
	For >100 To 200, Add	2.19	
	For >200 To 400, Add	1.04	
03 21 11 00-0036	LF #10, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	7.73	
	For Up To 100, Add	3.89	
	For >100 To 200, Add	2.07	
	For >200 To 300, Add	1.03	
03 21 11 00-0037	LF #11, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	9.25	
	For Up To 100, Add	4.71	
	For >100 To 200, Add	2.49	
	For >200 To 300, Add	1.25	
03 21 11 00-0038	LF #14, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	12.92	
	For Up To 100, Add	6.66	
	For >100 To 200, Add	3.51	
	For >200 To 300, Add	1.76	
03 21 11 00-0039	LF #18, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	22.26	
	For Up To 100, Add	11.63	
	For >100 To 200, Add	6.10	
	For >200 To 300, Add	3.05	

03 21 11 00-0040 Columns, Steel Reinforcement Bar (03 21 11)

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0041	LF #3, Grade 40, Columns, Steel Reinforcement Bar	0.83	
	For Up To 100, Add	0.57	
	For >100 To 200, Add	0.31	
	For >200 To 500, Add	0.12	
03 21 11 00-0042	LF #4, Grade 40, Columns, Steel Reinforcement Bar	1.43	
	For Up To 100, Add	0.99	
	For >100 To 200, Add	0.53	
	For >200 To 500, Add	0.21	
03 21 11 00-0043	LF #5, Grade 40, Columns, Steel Reinforcement Bar	2.12	
	For Up To 100, Add	1.49	
	For >100 To 200, Add	0.80	
	For >200 To 500, Add	0.32	
03 21 11 00-0044	LF #6, Grade 40, Columns, Steel Reinforcement Bar	2.94	
	For Up To 100, Add	2.10	
	For >100 To 200, Add	1.12	
	For >200 To 500, Add	0.45	
03 21 11 00-0045	LF #3, Grade 50, Columns, Steel Reinforcement Bar	0.85	
	For Up To 100, Add	0.59	
	For >100 To 200, Add	0.32	
	For >200 To 500, Add	0.13	
03 21 11 00-0046	LF #4, Grade 50, Columns, Steel Reinforcement Bar	1.46	
	For Up To 100, Add	1.02	
	For >100 To 200, Add	0.55	
	For >200 To 500, Add	0.22	
03 21 11 00-0047	LF #5, Grade 50, Columns, Steel Reinforcement Bar	2.17	
	For Up To 100, Add	1.54	
	For >100 To 200, Add	0.82	
	For >200 To 500, Add	0.33	
03 21 11 00-0048	LF #6, Grade 50, Columns, Steel Reinforcement Bar	3.02	
	For Up To 100, Add	2.18	
	For >100 To 200, Add	1.16	
	For >200 To 500, Add	0.46	
03 21 11 00-0049	LF #3, Grade 60, Columns, Steel Reinforcement Bar	0.87	
	For Up To 100, Add	0.61	
	For >100 To 200, Add	0.33	
	For >200 To 500, Add	0.13	
03 21 11 00-0050	LF #4, Grade 60, Columns, Steel Reinforcement Bar	1.51	
	For Up To 100, Add	1.07	
	For >100 To 200, Add	0.57	
	For >200 To 500, Add	0.23	
03 21 11 00-0051	LF #5, Grade 60, Columns, Steel Reinforcement Bar	2.25	
	For Up To 100, Add	1.62	
	For >100 To 200, Add	0.86	
	For >200 To 500, Add	0.35	
03 21 11 00-0052	LF #6, Grade 60, Columns, Steel Reinforcement Bar	3.13	
	For Up To 100, Add	2.29	
	For >100 To 200, Add	1.22	
	For >200 To 500, Add	0.49	
03 21 11 00-0053	LF #7, Grade 60, Columns, Steel Reinforcement Bar	4.09	
	For Up To 100, Add	2.38	
	For >100 To 200, Add	1.38	
	For >200 To 400, Add	0.65	
03 21 11 00-0054	LF #8, Grade 60, Columns, Steel Reinforcement Bar	5.10	
	For Up To 100, Add	3.02	
	For >100 To 200, Add	1.74	
	For >200 To 400, Add	0.82	
03 21 11 00-0055	LF #9, Grade 60, Columns, Steel Reinforcement Bar	6.30	
	For Up To 100, Add	3.78	
	For >100 To 200, Add	2.16	
	For >200 To 400, Add	1.02	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0056	LF		#10, Grade 60, Columns, Steel Reinforcement Bar.....	7.72	
			For Up To 100, Add	3.81	
			For >100 To 200, Add	2.04	
			For >200 To 300, Add	1.02	
03 21 11 00-0057	LF		#11, Grade 60, Columns, Steel Reinforcement Bar.....	9.23	
			For Up To 100, Add	4.61	
			For >100 To 200, Add	2.46	
			For >200 To 300, Add	1.23	
03 21 11 00-0058	LF		#14, Grade 60, Columns, Steel Reinforcement Bar.....	12.85	
			For Up To 100, Add	6.50	
			For >100 To 200, Add	3.45	
			For >200 To 300, Add	1.73	
03 21 11 00-0059	LF		#18, Grade 60, Columns, Steel Reinforcement Bar.....	22.04	
			For Up To 100, Add	11.32	
			For >100 To 200, Add	5.98	
			For >200 To 300, Add	2.99	
03 21 11 00-0060	LF		#6, Grade 75, Columns, Steel Reinforcement Bar.....	3.25	
			For Up To 100, Add	2.41	
			For >100 To 200, Add	1.28	
			For >200 To 500, Add	0.51	
03 21 11 00-0061	LF		#7, Grade 75, Columns, Steel Reinforcement Bar.....	4.25	
			For Up To 100, Add	2.50	
			For >100 To 200, Add	1.44	
			For >200 To 400, Add	0.68	
03 21 11 00-0062	LF		#8, Grade 75, Columns, Steel Reinforcement Bar.....	5.31	
			For Up To 100, Add	3.17	
			For >100 To 200, Add	1.82	
			For >200 To 400, Add	0.66	
03 21 11 00-0063	LF		#9, Grade 75, Columns, Steel Reinforcement Bar.....	6.56	
			For Up To 100, Add	3.97	
			For >100 To 200, Add	2.27	
			For >200 To 400, Add	1.08	
03 21 11 00-0064	LF		#10, Grade 75, Columns, Steel Reinforcement Bar.....	8.05	
			For Up To 100, Add	4.01	
			For >100 To 200, Add	2.14	
			For >200 To 300, Add	1.07	
03 21 11 00-0065	LF		#11, Grade 75, Columns, Steel Reinforcement Bar.....	9.63	
			For Up To 100, Add	4.85	
			For >100 To 200, Add	2.58	
			For >200 To 300, Add	1.29	
03 21 11 00-0066	LF		#14, Grade 75, Columns, Steel Reinforcement Bar.....	13.44	
			For Up To 100, Add	6.86	
			For >100 To 200, Add	3.63	
			For >200 To 300, Add	1.82	
03 21 11 00-0067	LF		#18, Grade 75, Columns, Steel Reinforcement Bar.....	23.09	
			For Up To 100, Add	11.95	
			For >100 To 200, Add	6.29	
			For >200 To 300, Add	3.15	
03 21 11 00-0068	LF		#3, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	0.90	
			For Up To 100, Add	0.64	
			For >100 To 200, Add	0.34	
			For >200 To 500, Add	0.14	
03 21 11 00-0069	LF		#4, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	1.55	
			For Up To 100, Add	1.11	
			For >100 To 200, Add	0.59	
			For >200 To 500, Add	0.24	
03 21 11 00-0070	LF		#5, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	2.31	
			For Up To 100, Add	1.68	
			For >100 To 200, Add	0.89	
			For >200 To 500, Add	0.36	
03 21 11 00-0071	LF		#6, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	3.22	
			For Up To 100, Add	2.38	
			For >100 To 200, Add	1.26	
			For >200 To 500, Add	0.50	
03 21 11 00-0072	LF		#7, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	4.21	
			For Up To 100, Add	2.47	
			For >100 To 200, Add	1.42	
			For >200 To 400, Add	0.67	
03 21 11 00-0073	LF		#8, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	5.26	
			For Up To 100, Add	3.14	
			For >100 To 200, Add	1.80	
			For >200 To 400, Add	0.85	
03 21 11 00-0074	LF		#9, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	6.49	
			For Up To 100, Add	3.92	
			For >100 To 200, Add	2.24	
			For >200 To 400, Add	1.06	
03 21 11 00-0075	LF		#10, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	7.97	
			For Up To 100, Add	3.96	
			For >100 To 200, Add	2.12	
			For >200 To 300, Add	1.06	
03 21 11 00-0076	LF		#11, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	9.53	
			For Up To 100, Add	4.79	
			For >100 To 200, Add	2.55	
			For >200 To 300, Add	1.28	
03 21 11 00-0077	LF		#14, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	13.29	
			For Up To 100, Add	6.77	
			For >100 To 200, Add	3.59	
			For >200 To 300, Add	1.79	

03 Concrete
03 20 Concrete Reinforcing
03 21 Reinforcement Bars

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 21 11 00-0078	LF #18, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	22.83	
	For Up To 100, Add	11.80	
	For >100 To 200, Add	6.22	
	For >200 To 300, Add	3.11	

03 21 11 00-0079 Footings, Steel Reinforcement Bar (03 21 11)
Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0080	LF #3, Grade 40, Footings, Steel Reinforcement Bar	0.74	
	For Up To 100, Add	0.53	
	For >100 To 200, Add	0.28	
	For >200 To 500, Add	0.11	
03 21 11 00-0081	LF #4, Grade 40, Footings, Steel Reinforcement Bar	1.26	
	For Up To 100, Add	0.92	
	For >100 To 200, Add	0.49	
	For >200 To 500, Add	0.20	
03 21 11 00-0082	LF #5, Grade 40, Footings, Steel Reinforcement Bar	1.89	
	For Up To 100, Add	1.40	
	For >100 To 200, Add	0.74	
	For >200 To 500, Add	0.30	
03 21 11 00-0083	LF #6, Grade 40, Footings, Steel Reinforcement Bar	2.63	
	For Up To 100, Add	1.98	
	For >100 To 200, Add	1.04	
	For >200 To 500, Add	0.42	
03 21 11 00-0084	LF #3, Grade 50, Footings, Steel Reinforcement Bar	0.76	
	For Up To 100, Add	0.55	
	For >100 To 200, Add	0.29	
	For >200 To 500, Add	0.12	
03 21 11 00-0085	LF #4, Grade 50, Footings, Steel Reinforcement Bar	1.29	
	For Up To 100, Add	0.95	
	For >100 To 200, Add	0.50	
	For >200 To 500, Add	0.20	
03 21 11 00-0086	LF #5, Grade 50, Footings, Steel Reinforcement Bar	1.94	
	For Up To 100, Add	1.45	
	For >100 To 200, Add	0.77	
	For >200 To 500, Add	0.31	
03 21 11 00-0087	LF #6, Grade 50, Footings, Steel Reinforcement Bar	2.71	
	For Up To 100, Add	2.06	
	For >100 To 200, Add	1.08	
	For >200 To 500, Add	0.43	
03 21 11 00-0088	LF #3, Grade 60, Footings, Steel Reinforcement Bar	0.78	
	For Up To 100, Add	0.57	
	For >100 To 200, Add	0.30	
	For >200 To 500, Add	0.12	
03 21 11 00-0089	LF #4, Grade 60, Footings, Steel Reinforcement Bar	1.34	
	For Up To 100, Add	1.00	
	For >100 To 200, Add	0.53	
	For >200 To 500, Add	0.21	
03 21 11 00-0090	LF #5, Grade 60, Footings, Steel Reinforcement Bar	2.02	
	For Up To 100, Add	1.53	
	For >100 To 200, Add	0.81	
	For >200 To 500, Add	0.32	
03 21 11 00-0091	LF #6, Grade 60, Footings, Steel Reinforcement Bar	2.82	
	For Up To 100, Add	2.17	
	For >100 To 200, Add	1.14	
	For >200 To 500, Add	0.46	
03 21 11 00-0092	LF #7, Grade 60, Footings, Steel Reinforcement Bar	3.70	
	For Up To 100, Add	2.24	
	For >100 To 200, Add	1.28	
	For >200 To 400, Add	0.61	
03 21 11 00-0093	LF #8, Grade 60, Footings, Steel Reinforcement Bar	4.65	
	For Up To 100, Add	2.86	
	For >100 To 200, Add	1.62	
	For >200 To 400, Add	0.77	
03 21 11 00-0094	LF #9, Grade 60, Footings, Steel Reinforcement Bar	5.76	
	For Up To 100, Add	3.59	
	For >100 To 200, Add	2.03	
	For >200 To 400, Add	0.97	
03 21 11 00-0095	LF #10, Grade 60, Footings, Steel Reinforcement Bar	7.10	
	For Up To 100, Add	4.47	
	For >100 To 200, Add	2.52	
	For >200 To 400, Add	1.21	
	For Up To 100, Add	3.62	
	For >100 To 200, Add	1.92	
	For >200 To 300, Add	0.96	
03 21 11 00-0096	LF #11, Grade 60, Footings, Steel Reinforcement Bar	8.53	
	For Up To 100, Add	5.44	
	For >100 To 200, Add	3.05	
	For >200 To 400, Add	1.47	
	For Up To 100, Add	4.40	
	For >100 To 200, Add	2.32	
	For >200 To 300, Add	1.16	
03 21 11 00-0097	LF #14, Grade 60, Footings, Steel Reinforcement Bar	11.93	
	For Up To 100, Add	7.71	
	For >100 To 200, Add	4.31	
	For >200 To 400, Add	2.08	
	For Up To 100, Add	6.23	
	For >100 To 200, Add	3.27	
	For >200 To 300, Add	1.63	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0098	LF	#18, Grade 60, Footings, Steel Reinforcement Bar	.....	20.59	
		For Up To 100, Add	.....	13.49	
		For >100 To 200, Add	.....	7.50	
		For >200 To 400, Add	.....	3.63	
		For Up To 100, Add	.....	10.89	
		For >100 To 200, Add	.....	5.69	
		For >200 To 300, Add	.....	2.84	
03 21 11 00-0099	LF	#6, Grade 75, Footings, Steel Reinforcement Bar	.....	2.94	
		For Up To 100, Add	.....	2.29	
		For >100 To 200, Add	.....	1.20	
		For >200 To 500, Add	.....	0.48	
		For Up To 100, Add	.....	1.77	
		For >100 To 200, Add	.....	1.01	
		For >200 To 400, Add	.....	0.48	
03 21 11 00-0100	LF	#7, Grade 75, Footings, Steel Reinforcement Bar	.....	3.86	
		For Up To 100, Add	.....	2.36	
		For >100 To 200, Add	.....	1.34	
		For >200 To 400, Add	.....	0.64	
03 21 11 00-0101	LF	#8, Grade 75, Footings, Steel Reinforcement Bar	.....	4.86	
		For Up To 100, Add	.....	3.02	
		For >100 To 200, Add	.....	1.71	
		For >200 To 400, Add	.....	0.82	
03 21 11 00-0102	LF	#9, Grade 75, Footings, Steel Reinforcement Bar	.....	6.02	
		For Up To 100, Add	.....	3.78	
		For >100 To 200, Add	.....	2.13	
		For >200 To 400, Add	.....	1.02	
03 21 11 00-0103	LF	#10, Grade 75, Footings, Steel Reinforcement Bar	.....	7.43	
		For Up To 100, Add	.....	3.82	
		For >100 To 200, Add	.....	2.02	
		For >200 To 300, Add	.....	1.01	
03 21 11 00-0104	LF	#11, Grade 75, Footings, Steel Reinforcement Bar	.....	8.93	
		For Up To 100, Add	.....	4.64	
		For >100 To 200, Add	.....	2.44	
		For >200 To 300, Add	.....	1.22	
03 21 11 00-0105	LF	#14, Grade 75, Footings, Steel Reinforcement Bar	.....	12.52	
		For Up To 100, Add	.....	6.58	
		For >100 To 200, Add	.....	3.45	
		For >200 To 300, Add	.....	1.72	
03 21 11 00-0106	LF	#18, Grade 75, Footings, Steel Reinforcement Bar	.....	21.64	
		For Up To 100, Add	.....	11.52	
		For >100 To 200, Add	.....	6.00	
		For >200 To 300, Add	.....	3.00	
03 21 11 00-0107	LF	#3, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	.....	0.81	
		For Up To 100, Add	.....	0.60	
		For >100 To 200, Add	.....	0.32	
		For >200 To 500, Add	.....	0.13	
03 21 11 00-0108	LF	#4, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	.....	1.38	
		For Up To 100, Add	.....	1.04	
		For >100 To 200, Add	.....	0.55	
		For >200 To 500, Add	.....	0.22	
03 21 11 00-0109	LF	#5, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	.....	2.08	
		For Up To 100, Add	.....	1.59	
		For >100 To 200, Add	.....	0.84	
		For >200 To 500, Add	.....	0.33	
03 21 11 00-0110	LF	#6, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	.....	2.91	
		For Up To 100, Add	.....	2.26	
		For >100 To 200, Add	.....	1.18	
		For >200 To 500, Add	.....	0.47	
03 21 11 00-0111	LF	#7, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	.....	3.82	
		For Up To 100, Add	.....	2.33	
		For >100 To 200, Add	.....	1.33	
		For >200 To 400, Add	.....	0.63	
03 21 11 00-0112	LF	#8, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	.....	4.81	
		For Up To 100, Add	.....	2.98	
		For >100 To 200, Add	.....	1.69	
		For >200 To 400, Add	.....	0.81	
03 21 11 00-0113	LF	#9, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	.....	5.95	
		For Up To 100, Add	.....	3.73	
		For >100 To 200, Add	.....	2.11	
		For >200 To 400, Add	.....	1.01	
03 21 11 00-0114	LF	#10, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	.....	7.35	
		For Up To 100, Add	.....	3.77	
		For >100 To 200, Add	.....	1.99	
		For >200 To 300, Add	.....	1.00	
03 21 11 00-0115	LF	#11, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	.....	8.83	
		For Up To 100, Add	.....	4.58	
		For >100 To 200, Add	.....	2.41	
		For >200 To 300, Add	.....	1.21	
03 21 11 00-0116	LF	#14, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	.....	12.37	
		For Up To 100, Add	.....	6.49	
		For >100 To 200, Add	.....	3.40	
		For >200 To 300, Add	.....	1.70	
03 21 11 00-0117	LF	#18, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	.....	21.38	
		For Up To 100, Add	.....	11.36	
		For >100 To 200, Add	.....	5.93	
		For >200 To 300, Add	.....	2.96	

03 21 11 00-0118 Slab On Grade, Steel Reinforcement Bar (03 21 11)
Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 Concrete**03 20 Concrete Reinforcing****03 21 Reinforcement Bars**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

03 21 11 00-0119	LF #3, Grade 40, Slab On Grade, Steel Reinforcement Bar	0.72	
	For Up To 100, Add	0.52	
	For >100 To 200, Add	0.28	
	For >200 To 500, Add	0.11	
03 21 11 00-0120	LF #4, Grade 40, Slab On Grade, Steel Reinforcement Bar	1.23	
	For Up To 100, Add	0.91	
	For >100 To 200, Add	0.48	
	For >200 To 500, Add	0.19	
03 21 11 00-0121	LF #5, Grade 40, Slab On Grade, Steel Reinforcement Bar	1.84	
	For Up To 100, Add	1.38	
	For >100 To 200, Add	0.73	
	For >200 To 500, Add	0.29	
03 21 11 00-0122	LF #6, Grade 40, Slab On Grade, Steel Reinforcement Bar	2.55	
	For Up To 100, Add	1.94	
	For >100 To 200, Add	1.02	
	For >200 To 500, Add	0.41	
03 21 11 00-0123	LF #3, Grade 50, Slab On Grade, Steel Reinforcement Bar	0.74	
	For Up To 100, Add	0.54	
	For >100 To 200, Add	0.29	
	For >200 To 500, Add	0.12	
03 21 11 00-0124	LF #4, Grade 50, Slab On Grade, Steel Reinforcement Bar	1.26	
	For Up To 100, Add	0.94	
	For >100 To 200, Add	0.50	
	For >200 To 500, Add	0.20	
03 21 11 00-0125	LF #5, Grade 50, Slab On Grade, Steel Reinforcement Bar	1.89	
	For Up To 100, Add	1.43	
	For >100 To 200, Add	0.75	
	For >200 To 500, Add	0.30	
03 21 11 00-0126	LF #6, Grade 50, Slab On Grade, Steel Reinforcement Bar	2.63	
	For Up To 100, Add	2.02	
	For >100 To 200, Add	1.06	
	For >200 To 500, Add	0.43	
03 21 11 00-0127	LF #3, Grade 60, Slab On Grade, Steel Reinforcement Bar	0.76	
	For Up To 100, Add	0.56	
	For >100 To 200, Add	0.30	
	For >200 To 500, Add	0.12	
03 21 11 00-0128	LF #4, Grade 60, Slab On Grade, Steel Reinforcement Bar	1.31	
	For Up To 100, Add	0.99	
	For >100 To 200, Add	0.52	
	For >200 To 500, Add	0.21	
03 21 11 00-0129	LF #5, Grade 60, Slab On Grade, Steel Reinforcement Bar	1.97	
	For Up To 100, Add	1.51	
	For >100 To 200, Add	0.79	
	For >200 To 500, Add	0.32	
03 21 11 00-0130	LF #6, Grade 60, Slab On Grade, Steel Reinforcement Bar	2.74	
	For Up To 100, Add	2.13	
	For >100 To 200, Add	1.12	
	For >200 To 500, Add	0.45	
03 21 11 00-0131	LF #7, Grade 60, Slab On Grade, Steel Reinforcement Bar	3.62	
	For Up To 100, Add	2.21	
	For >100 To 200, Add	1.26	
	For >200 To 400, Add	0.60	
03 21 11 00-0132	LF #8, Grade 60, Slab On Grade, Steel Reinforcement Bar	4.56	
	For Up To 100, Add	2.83	
	For >100 To 200, Add	1.60	
	For >200 To 400, Add	0.76	
03 21 11 00-0133	LF #9, Grade 60, Slab On Grade, Steel Reinforcement Bar	5.66	
	For Up To 100, Add	3.55	
	For >100 To 200, Add	2.00	
	For >200 To 400, Add	0.96	
03 21 11 00-0134	LF #10, Grade 60, Slab On Grade, Steel Reinforcement Bar	6.97	
	For Up To 100, Add	3.58	
	For >100 To 200, Add	1.89	
	For >200 To 300, Add	0.95	
03 21 11 00-0135	LF #11, Grade 60, Slab On Grade, Steel Reinforcement Bar	8.40	
	For Up To 100, Add	4.36	
	For >100 To 200, Add	2.29	
	For >200 To 300, Add	1.15	
03 21 11 00-0136	LF #14, Grade 60, Slab On Grade, Steel Reinforcement Bar	11.74	
	For Up To 100, Add	6.17	
	For >100 To 200, Add	3.23	
	For >200 To 300, Add	1.62	
03 21 11 00-0137	LF #18, Grade 60, Slab On Grade, Steel Reinforcement Bar	20.31	
	For Up To 100, Add	10.80	
	For >100 To 200, Add	5.63	
	For >200 To 300, Add	2.82	
03 21 11 00-0138	LF #6, Grade 75, Slab On Grade, Steel Reinforcement Bar	2.86	
	For Up To 100, Add	2.25	
	For >100 To 200, Add	1.18	
	For >200 To 500, Add	0.47	
03 21 11 00-0139	LF #7, Grade 75, Slab On Grade, Steel Reinforcement Bar	3.78	
	For Up To 100, Add	2.33	
	For >100 To 200, Add	1.32	
	For >200 To 400, Add	0.63	
03 21 11 00-0140	LF #8, Grade 75, Slab On Grade, Steel Reinforcement Bar	4.77	
	For Up To 100, Add	2.99	
	For >100 To 200, Add	1.69	
	For >200 To 400, Add	0.81	

	Concrete	03	03
	Concrete Reinforcing	03 20	
	Reinforcement Bars	03 21	
	TOTAL DIRECT	DEMOLITION	
	UNIT COST	UNIT COST	

03 21 11 00-0141	LF #9, Grade 75, Slab On Grade, Steel Reinforcement Bar	5.92
	For Up To 100, Add	3.75
	For >100 To 200, Add	2.11
	For >200 To 400, Add	1.01
03 21 11 00-0142	LF #10, Grade 75, Slab On Grade, Steel Reinforcement Bar	7.30
	For Up To 100, Add	3.78
	For >100 To 200, Add	1.99
	For >200 To 300, Add	1.00
03 21 11 00-0143	LF #11, Grade 75, Slab On Grade, Steel Reinforcement Bar	8.80
	For Up To 100, Add	4.60
	For >100 To 200, Add	2.41
	For >200 To 300, Add	1.21
03 21 11 00-0144	LF #14, Grade 75, Slab On Grade, Steel Reinforcement Bar	12.33
	For Up To 100, Add	6.53
	For >100 To 200, Add	3.41
	For >200 To 300, Add	1.70
03 21 11 00-0145	LF #18, Grade 75, Slab On Grade, Steel Reinforcement Bar	21.36
	For Up To 100, Add	11.43
	For >100 To 200, Add	5.95
	For >200 To 300, Add	2.97
03 21 11 00-0146	LF #3, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	0.79
	For Up To 100, Add	0.59
	For >100 To 200, Add	0.31
	For >200 To 500, Add	0.13
03 21 11 00-0147	LF #4, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	1.35
	For Up To 100, Add	1.03
	For >100 To 200, Add	0.54
	For >200 To 500, Add	0.22
03 21 11 00-0148	LF #5, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	2.03
	For Up To 100, Add	1.57
	For >100 To 200, Add	0.82
	For >200 To 500, Add	0.33
03 21 11 00-0149	LF #6, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	2.83
	For Up To 100, Add	2.22
	For >100 To 200, Add	1.16
	For >200 To 500, Add	0.47
03 21 11 00-0150	LF #7, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	3.74
	For Up To 100, Add	2.30
	For >100 To 200, Add	1.31
	For >200 To 400, Add	0.62
03 21 11 00-0151	LF #8, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	4.72
	For Up To 100, Add	2.95
	For >100 To 200, Add	1.67
	For >200 To 400, Add	0.80
03 21 11 00-0152	LF #9, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	5.85
	For Up To 100, Add	3.70
	For >100 To 200, Add	2.08
	For >200 To 400, Add	1.00
03 21 11 00-0153	LF #10, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	7.22
	For Up To 100, Add	3.73
	For >100 To 200, Add	1.97
	For >200 To 300, Add	0.98
03 21 11 00-0154	LF #11, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	8.70
	For Up To 100, Add	4.54
	For >100 To 200, Add	2.38
	For >200 To 300, Add	1.19
03 21 11 00-0155	LF #14, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	12.18
	For Up To 100, Add	6.44
	For >100 To 200, Add	3.36
	For >200 To 300, Add	1.68
03 21 11 00-0156	LF #18, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	21.10
	For Up To 100, Add	11.28
	For >100 To 200, Add	5.87
	For >200 To 300, Add	2.93

03 21 11 00-0157 Elevated Slabs, Steel Reinforcement Bar (03 21 11)

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0158	LF #3, Grade 40, Elevated Slabs, Steel Reinforcement Bar	0.67
	For Up To 100, Add	0.50
	For >100 To 200, Add	0.27
	For >200 To 500, Add	0.11
03 21 11 00-0159	LF #4, Grade 40, Elevated Slabs, Steel Reinforcement Bar	1.15
	For Up To 100, Add	0.87
	For >100 To 200, Add	0.46
	For >200 To 500, Add	0.18
03 21 11 00-0160	LF #5, Grade 40, Elevated Slabs, Steel Reinforcement Bar	1.74
	For Up To 100, Add	1.34
	For >100 To 200, Add	0.70
	For >200 To 500, Add	0.28
03 21 11 00-0161	LF #6, Grade 40, Elevated Slabs, Steel Reinforcement Bar	2.43
	For Up To 100, Add	1.90
	For >100 To 200, Add	0.99
	For >200 To 500, Add	0.40
03 21 11 00-0162	LF #3, Grade 50, Elevated Slabs, Steel Reinforcement Bar	0.69
	For Up To 100, Add	0.52
	For >100 To 200, Add	0.28
	For >200 To 500, Add	0.11

03 Concrete**03 20 Concrete Reinforcing****03 21 Reinforcement Bars**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

03 21 11 00-0163	LF #4, Grade 50, Elevated Slabs, Steel Reinforcement Bar	1.18	
	For Up To 100, Add	0.90	
	For >100 To 200, Add	0.48	
	For >200 To 500, Add	0.19	
03 21 11 00-0164	LF #5, Grade 50, Elevated Slabs, Steel Reinforcement Bar	1.79	
	For Up To 100, Add	1.39	
	For >100 To 200, Add	0.73	
	For >200 To 500, Add	0.29	
03 21 11 00-0165	LF #6, Grade 50, Elevated Slabs, Steel Reinforcement Bar	2.51	
	For Up To 100, Add	1.98	
	For >100 To 200, Add	1.03	
	For >200 To 500, Add	0.41	
03 21 11 00-0166	LF #3, Grade 60, Elevated Slabs, Steel Reinforcement Bar	0.71	
	For Up To 100, Add	0.54	
	For >100 To 200, Add	0.29	
	For >200 To 500, Add	0.11	
03 21 11 00-0167	LF #4, Grade 60, Elevated Slabs, Steel Reinforcement Bar	1.23	
	For Up To 100, Add	0.95	
	For >100 To 200, Add	0.50	
	For >200 To 500, Add	0.20	
03 21 11 00-0168	LF #5, Grade 60, Elevated Slabs, Steel Reinforcement Bar	1.87	
	For Up To 100, Add	1.47	
	For >100 To 200, Add	0.77	
	For >200 To 500, Add	0.31	
03 21 11 00-0169	LF #6, Grade 60, Elevated Slabs, Steel Reinforcement Bar	2.62	
	For Up To 100, Add	2.09	
	For >100 To 200, Add	1.09	
	For >200 To 500, Add	0.44	
03 21 11 00-0170	LF #7, Grade 60, Elevated Slabs, Steel Reinforcement Bar	3.47	
	For Up To 100, Add	2.16	
	For >100 To 200, Add	1.22	
	For >200 To 400, Add	0.58	
03 21 11 00-0171	LF #8, Grade 60, Elevated Slabs, Steel Reinforcement Bar	4.37	
	For Up To 100, Add	2.76	
	For >100 To 200, Add	1.55	
	For >200 To 400, Add	0.75	
03 21 11 00-0172	LF #9, Grade 60, Elevated Slabs, Steel Reinforcement Bar	5.45	
	For Up To 100, Add	3.48	
	For >100 To 200, Add	1.95	
	For >200 To 400, Add	0.94	
03 21 11 00-0173	LF #10, Grade 60, Elevated Slabs, Steel Reinforcement Bar	6.73	
	For Up To 100, Add	3.51	
	For >100 To 200, Add	1.84	
	For >200 To 300, Add	0.92	
03 21 11 00-0174	LF #11, Grade 60, Elevated Slabs, Steel Reinforcement Bar	8.11	
	For Up To 100, Add	4.28	
	For >100 To 200, Add	2.24	
	For >200 To 300, Add	1.12	
03 21 11 00-0175	LF #14, Grade 60, Elevated Slabs, Steel Reinforcement Bar	11.38	
	For Up To 100, Add	6.06	
	For >100 To 200, Add	3.16	
	For >200 To 300, Add	1.58	
03 21 11 00-0176	LF #18, Grade 60, Elevated Slabs, Steel Reinforcement Bar	19.74	
	For Up To 100, Add	10.63	
	For >100 To 200, Add	5.52	
	For >200 To 300, Add	2.76	
03 21 11 00-0177	LF #6, Grade 75, Elevated Slabs, Steel Reinforcement Bar	2.74	
	For Up To 100, Add	2.21	
	For >100 To 200, Add	1.15	
	For >200 To 500, Add	0.46	
03 21 11 00-0178	LF #7, Grade 75, Elevated Slabs, Steel Reinforcement Bar	3.63	
	For Up To 100, Add	2.28	
	For >100 To 200, Add	1.29	
	For >200 To 400, Add	0.62	
03 21 11 00-0179	LF #8, Grade 75, Elevated Slabs, Steel Reinforcement Bar	4.58	
	For Up To 100, Add	2.92	
	For >100 To 200, Add	1.64	
	For >200 To 400, Add	0.79	
03 21 11 00-0180	LF #9, Grade 75, Elevated Slabs, Steel Reinforcement Bar	5.71	
	For Up To 100, Add	3.67	
	For >100 To 200, Add	2.06	
	For >200 To 400, Add	0.99	
03 21 11 00-0181	LF #10, Grade 75, Elevated Slabs, Steel Reinforcement Bar	7.06	
	For Up To 100, Add	3.71	
	For >100 To 200, Add	1.94	
	For >200 To 300, Add	0.97	
03 21 11 00-0182	LF #11, Grade 75, Elevated Slabs, Steel Reinforcement Bar	8.51	
	For Up To 100, Add	4.52	
	For >100 To 200, Add	2.36	
	For >200 To 300, Add	1.18	
03 21 11 00-0183	LF #14, Grade 75, Elevated Slabs, Steel Reinforcement Bar	11.97	
	For Up To 100, Add	6.42	
	For >100 To 200, Add	3.34	
	For >200 To 300, Add	1.67	
03 21 11 00-0184	LF #18, Grade 75, Elevated Slabs, Steel Reinforcement Bar	20.79	
	For Up To 100, Add	11.26	
	For >100 To 200, Add	5.83	
	For >200 To 300, Add	2.92	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0185	LF	#3, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar.....	0.74	
		For Up To 100, Add	0.57	
		For >100 To 200, Add	0.30	
		For >200 To 500, Add	0.12	
03 21 11 00-0186	LF	#4, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar.....	1.27	
		For Up To 100, Add	0.99	
		For >100 To 200, Add	0.52	
		For >200 To 500, Add	0.21	
03 21 11 00-0187	LF	#5, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar.....	1.93	
		For Up To 100, Add	1.53	
		For >100 To 200, Add	0.80	
		For >200 To 500, Add	0.32	
03 21 11 00-0188	LF	#6, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar.....	2.71	
		For Up To 100, Add	2.18	
		For >100 To 200, Add	1.13	
		For >200 To 500, Add	0.45	
03 21 11 00-0189	LF	#7, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar.....	3.59	
		For Up To 100, Add	2.25	
		For >100 To 200, Add	1.27	
		For >200 To 400, Add	0.61	
03 21 11 00-0190	LF	#8, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar.....	4.53	
		For Up To 100, Add	2.88	
		For >100 To 200, Add	1.62	
		For >200 To 400, Add	0.78	
03 21 11 00-0191	LF	#9, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar.....	5.64	
		For Up To 100, Add	3.62	
		For >100 To 200, Add	2.03	
		For >200 To 400, Add	0.98	
03 21 11 00-0192	LF	#10, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar.....	6.98	
		For Up To 100, Add	3.66	
		For >100 To 200, Add	1.92	
		For >200 To 300, Add	0.96	
03 21 11 00-0193	LF	#11, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar.....	8.41	
		For Up To 100, Add	4.46	
		For >100 To 200, Add	2.33	
		For >200 To 300, Add	1.16	
03 21 11 00-0194	LF	#14, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar.....	11.82	
		For Up To 100, Add	6.33	
		For >100 To 200, Add	3.29	
		For >200 To 300, Add	1.65	
03 21 11 00-0195	LF	#18, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar.....	20.53	
		For Up To 100, Add	11.11	
		For >100 To 200, Add	5.76	
		For >200 To 300, Add	2.88	
03 21 11 00-0196		Walls, Steel Reinforcement Bar ^(03 21 11)		
		Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.		
03 21 11 00-0197	LF	#3, Grade 40, Walls, Steel Reinforcement Bar.....	0.65	
		For Up To 100, Add	0.49	
		For >100 To 200, Add	0.26	
		For >200 To 500, Add	0.10	
03 21 11 00-0198	LF	#4, Grade 40, Walls, Steel Reinforcement Bar.....	1.12	
		For Up To 100, Add	0.86	
		For >100 To 200, Add	0.45	
		For >200 To 500, Add	0.18	
03 21 11 00-0199	LF	#5, Grade 40, Walls, Steel Reinforcement Bar.....	1.69	
		For Up To 100, Add	1.32	
		For >100 To 200, Add	0.69	
		For >200 To 500, Add	0.28	
03 21 11 00-0200	LF	#6, Grade 40, Walls, Steel Reinforcement Bar.....	2.36	
		For Up To 100, Add	1.87	
		For >100 To 200, Add	0.98	
		For >200 To 500, Add	0.39	
03 21 11 00-0201	LF	#3, Grade 50, Walls, Steel Reinforcement Bar.....	0.67	
		For Up To 100, Add	0.51	
		For >100 To 200, Add	0.27	
		For >200 To 500, Add	0.11	
03 21 11 00-0202	LF	#4, Grade 50, Walls, Steel Reinforcement Bar.....	1.15	
		For Up To 100, Add	0.89	
		For >100 To 200, Add	0.47	
		For >200 To 500, Add	0.19	
03 21 11 00-0203	LF	#5, Grade 50, Walls, Steel Reinforcement Bar.....	1.74	
		For Up To 100, Add	1.37	
		For >100 To 200, Add	0.72	
		For >200 To 500, Add	0.29	
03 21 11 00-0204	LF	#6, Grade 50, Walls, Steel Reinforcement Bar.....	2.44	
		For Up To 100, Add	1.95	
		For >100 To 200, Add	1.02	
		For >200 To 500, Add	0.41	
03 21 11 00-0205	LF	#3, Grade 60, Walls, Steel Reinforcement Bar.....	0.69	
		For Up To 100, Add	0.53	
		For >100 To 200, Add	0.28	
		For >200 To 500, Add	0.11	
03 21 11 00-0206	LF	#4, Grade 60, Walls, Steel Reinforcement Bar.....	1.20	
		For Up To 100, Add	0.94	
		For >100 To 200, Add	0.49	
		For >200 To 500, Add	0.20	

03 Concrete**03 20 Concrete Reinforcing****03 21 Reinforcement Bars**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

03 21 11 00-0207	LF #5, Grade 60, Walls, Steel Reinforcement Bar	1.82	
	For Up To 100, Add	1.45	
	For >100 To 200, Add	0.76	
	For >200 To 500, Add	0.30	
03 21 11 00-0208	LF #6, Grade 60, Walls, Steel Reinforcement Bar	2.55	
	For Up To 100, Add	2.06	
	For >100 To 200, Add	1.07	
	For >200 To 500, Add	0.43	
03 21 11 00-0209	LF #7, Grade 60, Walls, Steel Reinforcement Bar	3.37	
	For Up To 100, Add	2.12	
	For >100 To 200, Add	1.20	
	For >200 To 400, Add	0.57	
03 21 11 00-0210	LF #8, Grade 60, Walls, Steel Reinforcement Bar	4.28	
	For Up To 100, Add	2.73	
	For >100 To 200, Add	1.53	
	For >200 To 400, Add	0.74	
03 21 11 00-0211	LF #9, Grade 60, Walls, Steel Reinforcement Bar	5.34	
	For Up To 100, Add	3.44	
	For >100 To 200, Add	1.92	
	For >200 To 400, Add	0.93	
03 21 11 00-0212	LF #10, Grade 60, Walls, Steel Reinforcement Bar	6.60	
	For Up To 100, Add	3.47	
	For >100 To 200, Add	1.82	
	For >200 To 300, Add	0.91	
03 21 11 00-0213	LF #11, Grade 60, Walls, Steel Reinforcement Bar	7.97	
	For Up To 100, Add	4.23	
	For >100 To 200, Add	2.21	
	For >200 To 300, Add	1.10	
03 21 11 00-0214	LF #14, Grade 60, Walls, Steel Reinforcement Bar	11.20	
	For Up To 100, Add	6.01	
	For >100 To 200, Add	3.12	
	For >200 To 300, Add	1.56	
03 21 11 00-0215	LF #18, Grade 60, Walls, Steel Reinforcement Bar	19.45	
	For Up To 100, Add	10.55	
	For >100 To 200, Add	5.46	
	For >200 To 300, Add	2.73	
03 21 11 00-0216	LF #6, Grade 75, Walls, Steel Reinforcement Bar	2.67	
	For Up To 100, Add	2.18	
	For >100 To 200, Add	1.13	
	For >200 To 500, Add	0.45	
03 21 11 00-0217	LF #7, Grade 75, Walls, Steel Reinforcement Bar	3.53	
	For Up To 100, Add	2.24	
	For >100 To 200, Add	1.26	
	For >200 To 400, Add	0.61	
03 21 11 00-0218	LF #8, Grade 75, Walls, Steel Reinforcement Bar	4.49	
	For Up To 100, Add	2.89	
	For >100 To 200, Add	1.62	
	For >200 To 400, Add	0.78	
03 21 11 00-0219	LF #9, Grade 75, Walls, Steel Reinforcement Bar	5.60	
	For Up To 100, Add	3.64	
	For >100 To 200, Add	2.03	
	For >200 To 400, Add	0.98	
03 21 11 00-0220	LF #10, Grade 75, Walls, Steel Reinforcement Bar	6.93	
	For Up To 100, Add	3.67	
	For >100 To 200, Add	1.92	
	For >200 To 300, Add	0.96	
03 21 11 00-0221	LF #11, Grade 75, Walls, Steel Reinforcement Bar	8.37	
	For Up To 100, Add	4.47	
	For >100 To 200, Add	2.33	
	For >200 To 300, Add	1.16	
03 21 11 00-0222	LF #14, Grade 75, Walls, Steel Reinforcement Bar	11.79	
	For Up To 100, Add	6.36	
	For >100 To 200, Add	3.30	
	For >200 To 300, Add	1.65	
03 21 11 00-0223	LF #18, Grade 75, Walls, Steel Reinforcement Bar	20.50	
	For Up To 100, Add	11.18	
	For >100 To 200, Add	5.78	
	For >200 To 300, Add	2.89	
03 21 11 00-0224	LF #3, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	0.72	
	For Up To 100, Add	0.56	
	For >100 To 200, Add	0.30	
	For >200 To 500, Add	0.12	
03 21 11 00-0225	LF #4, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	1.24	
	For Up To 100, Add	0.98	
	For >100 To 200, Add	0.51	
	For >200 To 500, Add	0.21	
03 21 11 00-0226	LF #5, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	1.88	
	For Up To 100, Add	1.51	
	For >100 To 200, Add	0.79	
	For >200 To 500, Add	0.31	
03 21 11 00-0227	LF #6, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	2.64	
	For Up To 100, Add	2.15	
	For >100 To 200, Add	1.12	
	For >200 To 500, Add	0.45	
03 21 11 00-0228	LF #7, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	3.49	
	For Up To 100, Add	2.21	
	For >100 To 200, Add	1.24	
	For >200 To 400, Add	0.60	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0229	LF	#8, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	.....	4.44	
		For Up To 100, Add	.....	2.85	
		For >100 To 200, Add	.....	1.60	
		For >200 To 400, Add	.....	0.77	
03 21 11 00-0230	LF	#9, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	.....	5.53	
		For Up To 100, Add	.....	3.58	
		For >100 To 200, Add	.....	2.00	
		For >200 To 400, Add	.....	0.97	
03 21 11 00-0231	LF	#10, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	.....	6.85	
		For Up To 100, Add	.....	3.62	
		For >100 To 200, Add	.....	1.89	
		For >200 To 300, Add	.....	0.95	
03 21 11 00-0232	LF	#11, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	.....	8.27	
		For Up To 100, Add	.....	4.41	
		For >100 To 200, Add	.....	2.30	
		For >200 To 300, Add	.....	1.15	
03 21 11 00-0233	LF	#14, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	.....	11.64	
		For Up To 100, Add	.....	6.27	
		For >100 To 200, Add	.....	3.26	
		For >200 To 300, Add	.....	1.63	
03 21 11 00-0234	LF	#18, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	.....	20.24	
		For Up To 100, Add	.....	11.02	
		For >100 To 200, Add	.....	5.70	
		For >200 To 300, Add	.....	2.85	
03 21 11 00-0235		Mechanical Joint Connection (03 21 11)			
03 21 11 00-0236		Thermal Type Mechanical Joint Connection (03 21 11 00-0235)			
03 21 11 00-0237	EA	Thermal Type Mechanical Joint Connection, Add Per Splice	.....	282.68	
03 21 11 00-0238		Screwed Type Mechanical Joint Connection (03 21 11 00-0235)			
03 21 11 00-0239	EA	Screwed Type Mechanical Joint Connection, Add Per Splice	.....	152.94	
03 21 11 00-0240		Deformed Straight Dowels (03 21 11)			
		Note: Excludes drilling. See CSI section 02 41 19 13-0221 for drilling in concrete.			
03 21 11 00-0241	EA	3/8" Diameter x 24" Long, Deformed Straight Dowel	.....	3.47	
		For Up To 12" Length, Deduct	.....	-0.49	
		For >12" To <24" Length, Deduct	.....	-0.25	
03 21 11 00-0242	EA	1/2" Diameter x 24" Long, Deformed Straight Dowel	.....	4.19	
		For Up To 12" Length, Deduct	.....	-0.65	
		For >12" To <24" Length, Deduct	.....	-0.32	
03 21 11 00-0243	EA	5/8" Diameter x 24" Long, Deformed Straight Dowel	.....	5.27	
		For Up To 12" Length, Deduct	.....	-1.02	
		For >12" To <24" Length, Deduct	.....	-0.51	
03 21 11 00-0244	EA	3/4" Diameter x 24" Long, Deformed Straight Dowel	.....	6.55	
		For Up To 12" Length, Deduct	.....	-1.48	
		For >12" To <24" Length, Deduct	.....	-0.74	
03 21 11 00-0245	EA	7/8" Diameter x 24" Long, Deformed Straight Dowel	.....	7.92	
		For Up To 12" Length, Deduct	.....	-2.06	
		For >12" To <24" Length, Deduct	.....	-1.03	
03 21 11 00-0246	EA	1" Diameter x 24" Long, Deformed Straight Dowel	.....	10.01	
		For Up To 12" Length, Deduct	.....	-2.64	
		For >12" To <24" Length, Deduct	.....	-1.32	
03 21 11 00-0247	EA	1-1/8" Diameter x 24" Long, Deformed Straight Dowel	.....	11.88	
		For Up To 12" Length, Deduct	.....	-3.25	
		For >12" To <24" Length, Deduct	.....	-1.62	
03 21 11 00-0248	EA	1-1/4" Diameter x 24" Long, Deformed Straight Dowel	.....	14.72	
		For Up To 12" Length, Deduct	.....	-4.25	
		For >12" To <24" Length, Deduct	.....	-2.12	
03 21 11 00-0249	EA	1-3/8" Diameter x 24" Long, Deformed Straight Dowel	.....	17.60	
		For Up To 12" Length, Deduct	.....	-5.24	
		For >12" To <24" Length, Deduct	.....	-2.62	
03 21 11 00-0250		Spirals, Reinforcing Steel (03 21 11)			
03 21 11 00-0251	TON	Up To 15" Diameter, Grade 60, Spirals, Reinforcing Steel	.....	3,576.06	
		For Grade 75, Add	.....	137.94	
03 21 11 00-0252	TON	>15" To 24" Diameter, Grade 60, Spirals, Reinforcing Steel	.....	3,534.37	
		For Grade 75, Add	.....	137.94	
03 21 11 00-0253	TON	>24" To 36" Diameter, Grade 60, Spirals, Reinforcing Steel	.....	3,502.58	
		For Grade 75, Add	.....	137.94	
03 21 11 00-0254	TON	>36" To 48" Diameter, Grade 60, Spirals, Reinforcing Steel	.....	3,450.58	
		For Grade 75, Add	.....	137.94	
03 21 11 00-0255	TON	>48" To 64" Diameter, Grade 60, Spirals, Reinforcing Steel	.....	3,380.26	
		For Grade 75, Add	.....	137.94	
03 21 11 00-0256	TON	>64" To 84" Diameter, Grade 60, Spirals, Reinforcing Steel	.....	3,355.95	
		For Grade 75, Add	.....	141.33	
03 21 11 00-0257	TON	>84" To 96" Diameter, Grade 60, Spirals, Reinforcing Steel	.....	3,297.08	
		For Grade 75, Add	.....	141.33	
03 21 11 00-0258		Accessories For Reinforcing Steel (03 21 11)			
03 21 11 00-0259		Reinforcing Steel Lap-Weld Splice (03 21 11 00-0258)			
03 21 11 00-0260	EA	Up To #6 Reinforcing Steel Lap-Weld Splice	.....	69.27	

03 Concrete
03 20 Concrete Reinforcing
03 21 Reinforcement Bars

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 21 11 00-0261 EA >#6 Reinforcing Steel Lap-Weld Splice112.20

03 21 11 00-0262 Reinforcing Steel Sleeve And Wedge Splice Joint (03 21 11 00-0258)

03 21 11 00-0263 EA Up To #4 Reinforcing Steel, Sleeve And Wedge Splice Joint37.14
03 21 11 00-0264 EA #5 Reinforcing Steel, Sleeve And Wedge Splice Joint59.60
03 21 11 00-0265 EA #6 Reinforcing Steel, Sleeve And Wedge Splice Joint92.00

03 21 13 Galvanized Reinforcement Steel Bars (03 21)

03 21 13 00-0001 Beams And Girders, Galvanized Steel Reinforcement Bar (03 21 13)

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0002 LF #3, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar0.99
For Up To 100, Add 0.74
For >100 To 200, Add 0.39
For >200 To 500, Add 0.16
03 21 13 00-0003 LF #4, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar1.70
For Up To 100, Add 1.30
For >100 To 200, Add 0.69
For >200 To 500, Add 0.27
03 21 13 00-0004 LF #5, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar2.58
For Up To 100, Add 2.00
For >100 To 200, Add 1.05
For >200 To 500, Add 0.42
03 21 13 00-0005 LF #6, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar3.61
For Up To 100, Add 2.84
For >100 To 200, Add 1.49
For >200 To 500, Add 0.59
03 21 13 00-0006 LF #3, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar1.01
For Up To 100, Add 0.76
For >100 To 200, Add 0.40
For >200 To 500, Add 0.16
03 21 13 00-0007 LF #4, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar1.73
For Up To 100, Add 1.33
For >100 To 200, Add 0.70
For >200 To 500, Add 0.28
03 21 13 00-0008 LF #5, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar2.63
For Up To 100, Add 2.05
For >100 To 200, Add 1.08
For >200 To 500, Add 0.43
03 21 13 00-0009 LF #6, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar3.69
For Up To 100, Add 2.92
For >100 To 200, Add 1.53
For >200 To 500, Add 0.61
03 21 13 00-0010 LF #3, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar1.04
For Up To 100, Add 0.79
For >100 To 200, Add 0.42
For >200 To 500, Add 0.17
03 21 13 00-0011 LF #4, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar1.78
For Up To 100, Add 1.38
For >100 To 200, Add 0.73
For >200 To 500, Add 0.29
03 21 13 00-0012 LF #5, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar2.71
For Up To 100, Add 2.13
For >100 To 200, Add 1.12
For >200 To 500, Add 0.45
03 21 13 00-0013 LF #6, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar3.80
For Up To 100, Add 3.03
For >100 To 200, Add 1.58
For >200 To 500, Add 0.63
03 21 13 00-0014 LF #7, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar5.00
For Up To 100, Add 3.12
For >100 To 200, Add 1.76
For >200 To 400, Add 0.84
03 21 13 00-0015 LF #8, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar6.33
For Up To 100, Add 4.01
For >100 To 200, Add 2.26
For >200 To 400, Add 1.08
03 21 13 00-0016 LF #9, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar7.87
For Up To 100, Add 5.04
For >100 To 200, Add 2.82
For >200 To 400, Add 1.36
03 21 13 00-0017 LF #10, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar9.74
For Up To 100, Add 5.09
For >100 To 200, Add 2.67
For >200 To 300, Add 1.34
03 21 13 00-0018 LF #11, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar11.74
For Up To 100, Add 6.20
For >100 To 200, Add 3.24
For >200 To 300, Add 1.62
03 21 13 00-0019 LF #14, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar16.50
For Up To 100, Add 8.81
For >100 To 200, Add 4.59
For >200 To 300, Add 2.29
03 21 13 00-0020 LF #18, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar28.62
For Up To 100, Add 15.44
For >100 To 200, Add 8.01
For >200 To 300, Add 4.00

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0021	LF	#6, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar.....	3.92	
		For Up To 100, Add	3.15	
		For >100 To 200, Add	1.64	
		For >200 To 500, Add	0.66	
03 21 13 00-0022	LF	#7, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar.....	5.16	
		For Up To 100, Add	3.24	
		For >100 To 200, Add	1.83	
		For >200 To 400, Add	0.88	
03 21 13 00-0023	LF	#8, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar.....	6.53	
		For Up To 100, Add	4.16	
		For >100 To 200, Add	2.34	
		For >200 To 400, Add	1.12	
03 21 13 00-0024	LF	#9, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar.....	8.13	
		For Up To 100, Add	5.23	
		For >100 To 200, Add	2.93	
		For >200 To 400, Add	1.41	
03 21 13 00-0025	LF	#10, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar.....	10.07	
		For Up To 100, Add	5.29	
		For >100 To 200, Add	2.77	
		For >200 To 300, Add	1.39	
03 21 13 00-0026	LF	#11, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar.....	12.14	
		For Up To 100, Add	6.44	
		For >100 To 200, Add	3.36	
		For >200 To 300, Add	1.68	
03 21 13 00-0027	LF	#14, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar.....	17.09	
		For Up To 100, Add	9.16	
		For >100 To 200, Add	4.76	
		For >200 To 300, Add	2.38	
03 21 13 00-0028	LF	#18, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar.....	29.66	
		For Up To 100, Add	16.07	
		For >100 To 200, Add	8.32	
		For >200 To 300, Add	4.16	
03 21 13 00-0029		Columns, Galvanized Steel Reinforcement Bar (03 21 13)		
		Note: ASTM A-767 Hot Dipped Galvanized Steel.		
03 21 13 00-0030	LF	#3, Grade 40, Columns, Galvanized Steel Reinforcement Bar.....	1.02	
		For Up To 100, Add	0.76	
		For >100 To 200, Add	0.40	
		For >200 To 500, Add	0.16	
03 21 13 00-0031	LF	#4, Grade 40, Columns, Galvanized Steel Reinforcement Bar.....	1.78	
		For Up To 100, Add	1.34	
		For >100 To 200, Add	0.71	
		For >200 To 500, Add	0.28	
03 21 13 00-0032	LF	#5, Grade 40, Columns, Galvanized Steel Reinforcement Bar.....	2.67	
		For Up To 100, Add	2.04	
		For >100 To 200, Add	1.07	
		For >200 To 500, Add	0.43	
03 21 13 00-0033	LF	#6, Grade 40, Columns, Galvanized Steel Reinforcement Bar.....	3.73	
		For Up To 100, Add	2.89	
		For >100 To 200, Add	1.52	
		For >200 To 500, Add	0.61	
03 21 13 00-0034	LF	#3, Grade 50, Columns, Galvanized Steel Reinforcement Bar.....	1.04	
		For Up To 100, Add	0.78	
		For >100 To 200, Add	0.41	
		For >200 To 500, Add	0.16	
03 21 13 00-0035	LF	#4, Grade 50, Columns, Galvanized Steel Reinforcement Bar.....	1.81	
		For Up To 100, Add	1.37	
		For >100 To 200, Add	0.72	
		For >200 To 500, Add	0.29	
03 21 13 00-0036	LF	#5, Grade 50, Columns, Galvanized Steel Reinforcement Bar.....	2.72	
		For Up To 100, Add	2.09	
		For >100 To 200, Add	1.10	
		For >200 To 500, Add	0.44	
03 21 13 00-0037	LF	#6, Grade 50, Columns, Galvanized Steel Reinforcement Bar.....	3.81	
		For Up To 100, Add	2.97	
		For >100 To 200, Add	1.56	
		For >200 To 500, Add	0.62	
03 21 13 00-0038	LF	#3, Grade 60, Columns, Galvanized Steel Reinforcement Bar.....	1.07	
		For Up To 100, Add	0.81	
		For >100 To 200, Add	0.43	
		For >200 To 500, Add	0.17	
03 21 13 00-0039	LF	#4, Grade 60, Columns, Galvanized Steel Reinforcement Bar.....	1.86	
		For Up To 100, Add	1.42	
		For >100 To 200, Add	0.75	
		For >200 To 500, Add	0.30	
03 21 13 00-0040	LF	#5, Grade 60, Columns, Galvanized Steel Reinforcement Bar.....	2.80	
		For Up To 100, Add	2.17	
		For >100 To 200, Add	1.14	
		For >200 To 500, Add	0.46	
03 21 13 00-0041	LF	#6, Grade 60, Columns, Galvanized Steel Reinforcement Bar.....	3.92	
		For Up To 100, Add	3.08	
		For >100 To 200, Add	1.61	
		For >200 To 500, Add	0.64	
03 21 13 00-0042	LF	#7, Grade 60, Columns, Galvanized Steel Reinforcement Bar.....	5.16	
		For Up To 100, Add	3.18	
		For >100 To 200, Add	1.80	
		For >200 To 400, Add	0.86	

03 Concrete
03 20 Concrete Reinforcing
03 21 Reinforcement Bars

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 21 13 00-0043	LF #8, Grade 60, Columns, Galvanized Steel Reinforcement Bar	6.51	
	For Up To 100, Add	4.07	
	For >100 To 200, Add	2.30	
	For >200 To 400, Add	1.10	
03 21 13 00-0044	LF #9, Grade 60, Columns, Galvanized Steel Reinforcement Bar	8.08	
	For Up To 100, Add	5.11	
	For >100 To 200, Add	2.88	
	For >200 To 400, Add	1.38	
03 21 13 00-0045	LF #10, Grade 60, Columns, Galvanized Steel Reinforcement Bar	9.98	
	For Up To 100, Add	5.16	
	For >100 To 200, Add	2.72	
	For >200 To 300, Add	1.36	
03 21 13 00-0046	LF #11, Grade 60, Columns, Galvanized Steel Reinforcement Bar	12.02	
	For Up To 100, Add	6.29	
	For >100 To 200, Add	3.30	
	For >200 To 300, Add	1.65	
03 21 13 00-0047	LF #14, Grade 60, Columns, Galvanized Steel Reinforcement Bar	16.87	
	For Up To 100, Add	8.92	
	For >100 To 200, Add	4.66	
	For >200 To 300, Add	2.33	
03 21 13 00-0048	LF #18, Grade 60, Columns, Galvanized Steel Reinforcement Bar	29.19	
	For Up To 100, Add	15.61	
	For >100 To 200, Add	8.12	
	For >200 To 300, Add	4.06	
03 21 13 00-0049	LF #6, Grade 75, Columns, Galvanized Steel Reinforcement Bar	4.04	
	For Up To 100, Add	3.20	
	For >100 To 200, Add	1.67	
	For >200 To 500, Add	0.67	
03 21 13 00-0050	LF #7, Grade 75, Columns, Galvanized Steel Reinforcement Bar	5.32	
	For Up To 100, Add	3.30	
	For >100 To 200, Add	1.87	
	For >200 To 400, Add	0.89	
03 21 13 00-0051	LF #8, Grade 75, Columns, Galvanized Steel Reinforcement Bar	6.71	
	For Up To 100, Add	4.22	
	For >100 To 200, Add	2.38	
	For >200 To 400, Add	1.14	
03 21 13 00-0052	LF #9, Grade 75, Columns, Galvanized Steel Reinforcement Bar	8.34	
	For Up To 100, Add	5.31	
	For >100 To 200, Add	2.98	
	For >200 To 400, Add	1.43	
03 21 13 00-0053	LF #10, Grade 75, Columns, Galvanized Steel Reinforcement Bar	10.31	
	For Up To 100, Add	5.36	
	For >100 To 200, Add	2.82	
	For >200 To 300, Add	1.41	
03 21 13 00-0054	LF #11, Grade 75, Columns, Galvanized Steel Reinforcement Bar	12.42	
	For Up To 100, Add	6.53	
	For >100 To 200, Add	3.42	
	For >200 To 300, Add	1.71	
03 21 13 00-0055	LF #14, Grade 75, Columns, Galvanized Steel Reinforcement Bar	17.46	
	For Up To 100, Add	9.27	
	For >100 To 200, Add	4.84	
	For >200 To 300, Add	2.42	
03 21 13 00-0056	LF #18, Grade 75, Columns, Galvanized Steel Reinforcement Bar	30.23	
	For Up To 100, Add	16.24	
	For >100 To 200, Add	8.44	
	For >200 To 300, Add	4.22	

03 21 13 00-0057 Footings, Galvanized Steel Reinforcement Bar (03 21 13)

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0058	LF #3, Grade 40, Footings, Galvanized Steel Reinforcement Bar	0.93	
	For Up To 100, Add	0.72	
	For >100 To 200, Add	0.38	
	For >200 To 500, Add	0.15	
03 21 13 00-0059	LF #4, Grade 40, Footings, Galvanized Steel Reinforcement Bar	1.61	
	For Up To 100, Add	1.27	
	For >100 To 200, Add	0.66	
	For >200 To 500, Add	0.27	
03 21 13 00-0060	LF #5, Grade 40, Footings, Galvanized Steel Reinforcement Bar	2.44	
	For Up To 100, Add	1.95	
	For >100 To 200, Add	1.02	
	For >200 To 500, Add	0.41	
03 21 13 00-0061	LF #6, Grade 40, Footings, Galvanized Steel Reinforcement Bar	3.42	
	For Up To 100, Add	2.77	
	For >100 To 200, Add	1.44	
	For >200 To 500, Add	0.58	
03 21 13 00-0062	LF #3, Grade 50, Footings, Galvanized Steel Reinforcement Bar	0.95	
	For Up To 100, Add	0.74	
	For >100 To 200, Add	0.39	
	For >200 To 500, Add	0.16	
03 21 13 00-0063	LF #4, Grade 50, Footings, Galvanized Steel Reinforcement Bar	1.64	
	For Up To 100, Add	1.30	
	For >100 To 200, Add	0.68	
	For >200 To 500, Add	0.27	
03 21 13 00-0064	LF #5, Grade 50, Footings, Galvanized Steel Reinforcement Bar	2.49	
	For Up To 100, Add	2.00	
	For >100 To 200, Add	1.04	
	For >200 To 500, Add	0.42	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0065	LF	#6, Grade 50, Footings, Galvanized Steel Reinforcement Bar	.....	3.50	
		For Up To 100, Add	.....	2.85	
		For >100 To 200, Add	.....	1.48	
		For >200 To 500, Add	.....	0.59	
03 21 13 00-0066	LF	#3, Grade 60, Footings, Galvanized Steel Reinforcement Bar	.....	0.98	
		For Up To 100, Add	.....	0.77	
		For >100 To 200, Add	.....	0.40	
		For >200 To 500, Add	.....	0.16	
03 21 13 00-0067	LF	#4, Grade 60, Footings, Galvanized Steel Reinforcement Bar	.....	1.69	
		For Up To 100, Add	.....	1.35	
		For >100 To 200, Add	.....	0.70	
		For >200 To 500, Add	.....	0.28	
03 21 13 00-0068	LF	#5, Grade 60, Footings, Galvanized Steel Reinforcement Bar	.....	2.57	
		For Up To 100, Add	.....	2.08	
		For >100 To 200, Add	.....	1.08	
		For >200 To 500, Add	.....	0.43	
03 21 13 00-0069	LF	#6, Grade 60, Footings, Galvanized Steel Reinforcement Bar	.....	3.61	
		For Up To 100, Add	.....	2.96	
		For >100 To 200, Add	.....	1.53	
		For >200 To 500, Add	.....	0.61	
03 21 13 00-0070	LF	#7, Grade 60, Footings, Galvanized Steel Reinforcement Bar	.....	4.77	
		For Up To 100, Add	.....	3.04	
		For >100 To 200, Add	.....	1.71	
		For >200 To 400, Add	.....	0.82	
03 21 13 00-0071	LF	#8, Grade 60, Footings, Galvanized Steel Reinforcement Bar	.....	6.06	
		For Up To 100, Add	.....	3.92	
		For >100 To 200, Add	.....	2.19	
		For >200 To 400, Add	.....	1.06	
03 21 13 00-0072	LF	#9, Grade 60, Footings, Galvanized Steel Reinforcement Bar	.....	7.54	
		For Up To 100, Add	.....	4.92	
		For >100 To 200, Add	.....	2.74	
		For >200 To 400, Add	.....	1.33	
03 21 13 00-0073	LF	#10, Grade 60, Footings, Galvanized Steel Reinforcement Bar	.....	9.36	
		For Up To 100, Add	.....	4.98	
		For >100 To 200, Add	.....	2.60	
		For >200 To 300, Add	.....	1.30	
03 21 13 00-0074	LF	#11, Grade 60, Footings, Galvanized Steel Reinforcement Bar	.....	11.32	
		For Up To 100, Add	.....	6.08	
		For >100 To 200, Add	.....	3.16	
		For >200 To 300, Add	.....	1.58	
03 21 13 00-0075	LF	#14, Grade 60, Footings, Galvanized Steel Reinforcement Bar	.....	15.95	
		For Up To 100, Add	.....	8.64	
		For >100 To 200, Add	.....	4.48	
		For >200 To 300, Add	.....	2.24	
03 21 13 00-0076	LF	#18, Grade 60, Footings, Galvanized Steel Reinforcement Bar	.....	27.74	
		For Up To 100, Add	.....	15.18	
		For >100 To 200, Add	.....	7.83	
		For >200 To 300, Add	.....	3.92	
03 21 13 00-0077	LF	#6, Grade 75, Footings, Galvanized Steel Reinforcement Bar	.....	3.73	
		For Up To 100, Add	.....	3.08	
		For >100 To 200, Add	.....	1.59	
		For >200 To 500, Add	.....	0.64	
03 21 13 00-0078	LF	#7, Grade 75, Footings, Galvanized Steel Reinforcement Bar	.....	4.93	
		For Up To 100, Add	.....	3.16	
		For >100 To 200, Add	.....	1.77	
		For >200 To 400, Add	.....	0.85	
03 21 13 00-0079	LF	#8, Grade 75, Footings, Galvanized Steel Reinforcement Bar	.....	6.26	
		For Up To 100, Add	.....	4.07	
		For >100 To 200, Add	.....	2.27	
		For >200 To 400, Add	.....	1.10	
03 21 13 00-0080	LF	#9, Grade 75, Footings, Galvanized Steel Reinforcement Bar	.....	7.80	
		For Up To 100, Add	.....	5.12	
		For >100 To 200, Add	.....	2.85	
		For >200 To 400, Add	.....	1.38	
03 21 13 00-0081	LF	#10, Grade 75, Footings, Galvanized Steel Reinforcement Bar	.....	9.69	
		For Up To 100, Add	.....	5.18	
		For >100 To 200, Add	.....	2.69	
		For >200 To 300, Add	.....	1.35	
03 21 13 00-0082	LF	#11, Grade 75, Footings, Galvanized Steel Reinforcement Bar	.....	11.72	
		For Up To 100, Add	.....	6.32	
		For >100 To 200, Add	.....	3.28	
		For >200 To 300, Add	.....	1.64	
03 21 13 00-0083	LF	#14, Grade 75, Footings, Galvanized Steel Reinforcement Bar	.....	16.54	
		For Up To 100, Add	.....	8.99	
		For >100 To 200, Add	.....	4.65	
		For >200 To 300, Add	.....	2.33	
03 21 13 00-0084	LF	#18, Grade 75, Footings, Galvanized Steel Reinforcement Bar	.....	28.78	
		For Up To 100, Add	.....	15.80	
		For >100 To 200, Add	.....	8.15	
		For >200 To 300, Add	.....	4.07	
03 21 13 00-0085		Slab On Grade, Galvanized Steel Reinforcement Bar (03 21 13)			
		Note: ASTM A-767 Hot Dipped Galvanized Steel.			
03 21 13 00-0086	LF	#3, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	.....	0.91	
		For Up To 100, Add	.....	0.71	
		For >100 To 200, Add	.....	0.37	
		For >200 To 500, Add	.....	0.15	

03 Concrete
03 20 Concrete Reinforcing
03 21 Reinforcement Bars

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 21 13 00-0087	LF #4, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	1.58	
	For Up To 100, Add	1.26	
	For >100 To 200, Add	0.66	
	For >200 To 500, Add	0.26	
03 21 13 00-0088	LF #5, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	2.39	
	For Up To 100, Add	1.93	
	For >100 To 200, Add	1.00	
	For >200 To 500, Add	0.40	
03 21 13 00-0089	LF #6, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	3.34	
	For Up To 100, Add	2.73	
	For >100 To 200, Add	1.42	
	For >200 To 500, Add	0.57	
03 21 13 00-0090	LF #3, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	0.93	
	For Up To 100, Add	0.73	
	For >100 To 200, Add	0.38	
	For >200 To 500, Add	0.15	
03 21 13 00-0091	LF #4, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	1.61	
	For Up To 100, Add	1.29	
	For >100 To 200, Add	0.67	
	For >200 To 500, Add	0.27	
03 21 13 00-0092	LF #5, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	2.44	
	For Up To 100, Add	1.98	
	For >100 To 200, Add	1.03	
	For >200 To 500, Add	0.41	
03 21 13 00-0093	LF #6, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	3.42	
	For Up To 100, Add	2.81	
	For >100 To 200, Add	1.46	
	For >200 To 500, Add	0.58	
03 21 13 00-0094	LF #3, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	0.96	
	For Up To 100, Add	0.76	
	For >100 To 200, Add	0.40	
	For >200 To 500, Add	0.16	
03 21 13 00-0095	LF #4, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	1.66	
	For Up To 100, Add	1.34	
	For >100 To 200, Add	0.70	
	For >200 To 500, Add	0.28	
03 21 13 00-0096	LF #5, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	2.52	
	For Up To 100, Add	2.06	
	For >100 To 200, Add	1.07	
	For >200 To 500, Add	0.43	
03 21 13 00-0097	LF #6, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	3.53	
	For Up To 100, Add	2.92	
	For >100 To 200, Add	1.51	
	For >200 To 500, Add	0.61	
03 21 13 00-0098	LF #7, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	4.69	
	For Up To 100, Add	3.01	
	For >100 To 200, Add	1.69	
	For >200 To 400, Add	0.81	
03 21 13 00-0099	LF #8, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	5.97	
	For Up To 100, Add	3.89	
	For >100 To 200, Add	2.17	
	For >200 To 400, Add	1.05	
03 21 13 00-0100	LF #9, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	7.44	
	For Up To 100, Add	4.89	
	For >100 To 200, Add	2.72	
	For >200 To 400, Add	1.32	
03 21 13 00-0101	LF #10, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	9.23	
	For Up To 100, Add	4.94	
	For >100 To 200, Add	2.57	
	For >200 To 300, Add	1.28	
03 21 13 00-0102	LF #11, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	11.19	
	For Up To 100, Add	6.04	
	For >100 To 200, Add	3.13	
	For >200 To 300, Add	1.57	
03 21 13 00-0103	LF #14, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	15.76	
	For Up To 100, Add	8.58	
	For >100 To 200, Add	4.44	
	For >200 To 300, Add	2.22	
03 21 13 00-0104	LF #18, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	27.46	
	For Up To 100, Add	15.09	
	For >100 To 200, Add	7.78	
	For >200 To 300, Add	3.89	
03 21 13 00-0105	LF #6, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	3.65	
	For Up To 100, Add	3.04	
	For >100 To 200, Add	1.57	
	For >200 To 500, Add	0.63	
03 21 13 00-0106	LF #7, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	4.85	
	For Up To 100, Add	3.13	
	For >100 To 200, Add	1.75	
	For >200 To 400, Add	0.84	
03 21 13 00-0107	LF #8, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	6.17	
	For Up To 100, Add	4.04	
	For >100 To 200, Add	2.25	
	For >200 To 400, Add	1.09	
03 21 13 00-0108	LF #9, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	7.70	
	For Up To 100, Add	5.08	
	For >100 To 200, Add	2.82	
	For >200 To 400, Add	1.37	

			Concrete	03	3
			Concrete Reinforcing	03 20	
			Reinforcement Bars	03 21	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

03 21 13 00-0109	LF	#10, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	9.56		
		For Up To 100, Add	5.14		
		For >100 To 200, Add	2.67		
		For >200 To 300, Add	1.33		
03 21 13 00-0110	LF	#11, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	11.59		
		For Up To 100, Add	6.28		
		For >100 To 200, Add	3.25		
		For >200 To 300, Add	1.63		
03 21 13 00-0111	LF	#14, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	16.35		
		For Up To 100, Add	8.94		
		For >100 To 200, Add	4.61		
		For >200 To 300, Add	2.31		
03 21 13 00-0112	LF	#18, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	28.50		
		For Up To 100, Add	15.72		
		For >100 To 200, Add	8.09		
		For >200 To 300, Add	4.04		

03 21 13 00-0113 Elevated Slabs, Galvanized Steel Reinforcement Bar (03 21 13)

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0114	LF	#3, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.86		
		For Up To 100, Add	0.69		
		For >100 To 200, Add	0.36		
		For >200 To 500, Add	0.14		
03 21 13 00-0115	LF	#4, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.50		
		For Up To 100, Add	1.22		
		For >100 To 200, Add	0.64		
		For >200 To 500, Add	0.25		
03 21 13 00-0116	LF	#5, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	2.29		
		For Up To 100, Add	1.89		
		For >100 To 200, Add	0.98		
		For >200 To 500, Add	0.39		
03 21 13 00-0117	LF	#6, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	3.22		
		For Up To 100, Add	2.69		
		For >100 To 200, Add	1.39		
		For >200 To 500, Add	0.56		
03 21 13 00-0118	LF	#3, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.88		
		For Up To 100, Add	0.71		
		For >100 To 200, Add	0.37		
		For >200 To 500, Add	0.15		
03 21 13 00-0119	LF	#4, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.53		
		For Up To 100, Add	1.25		
		For >100 To 200, Add	0.65		
		For >200 To 500, Add	0.26		
03 21 13 00-0120	LF	#5, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	2.34		
		For Up To 100, Add	1.94		
		For >100 To 200, Add	1.00		
		For >200 To 500, Add	0.40		
03 21 13 00-0121	LF	#6, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	3.30		
		For Up To 100, Add	2.77		
		For >100 To 200, Add	1.43		
		For >200 To 500, Add	0.57		
03 21 13 00-0122	LF	#3, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.91		
		For Up To 100, Add	0.74		
		For >100 To 200, Add	0.39		
		For >200 To 500, Add	0.15		
03 21 13 00-0123	LF	#4, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.58		
		For Up To 100, Add	1.30		
		For >100 To 200, Add	0.68		
		For >200 To 500, Add	0.27		
03 21 13 00-0124	LF	#5, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	2.42		
		For Up To 100, Add	2.02		
		For >100 To 200, Add	1.04		
		For >200 To 500, Add	0.42		
03 21 13 00-0125	LF	#6, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	3.41		
		For Up To 100, Add	2.88		
		For >100 To 200, Add	1.48		
		For >200 To 500, Add	0.59		
03 21 13 00-0126	LF	#7, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	4.54		
		For Up To 100, Add	2.96		
		For >100 To 200, Add	1.65		
		For >200 To 400, Add	0.80		
03 21 13 00-0127	LF	#8, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	5.78		
		For Up To 100, Add	3.82		
		For >100 To 200, Add	2.12		
		For >200 To 400, Add	1.03		
03 21 13 00-0128	LF	#9, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	7.23		
		For Up To 100, Add	4.81		
		For >100 To 200, Add	2.66		
		For >200 To 400, Add	1.29		
03 21 13 00-0129	LF	#10, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	8.99		
		For Up To 100, Add	4.87		
		For >100 To 200, Add	2.52		
		For >200 To 300, Add	1.26		
03 21 13 00-0130	LF	#11, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	10.90		
		For Up To 100, Add	5.95		
		For >100 To 200, Add	3.07		
		For >200 To 300, Add	1.54		

03 Concrete**03 20 Concrete Reinforcing****03 21 Reinforcement Bars**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

03 21 13 00-0131	LF	#14, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	15.40	
		For Up To 100, Add	8.48	
		For >100 To 200, Add	4.37	
		For >200 To 300, Add	2.18	
03 21 13 00-0132	LF	#18, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	26.89	
		For Up To 100, Add	14.92	
		For >100 To 200, Add	7.66	
		For >200 To 300, Add	3.83	
03 21 13 00-0133	LF	#6, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	3.53	
		For Up To 100, Add	3.00	
		For >100 To 200, Add	1.54	
		For >200 To 500, Add	0.62	
03 21 13 00-0134	LF	#7, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	4.70	
		For Up To 100, Add	3.08	
		For >100 To 200, Add	1.71	
		For >200 To 400, Add	0.83	
03 21 13 00-0135	LF	#8, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	5.98	
		For Up To 100, Add	3.97	
		For >100 To 200, Add	2.20	
		For >200 To 400, Add	1.07	
03 21 13 00-0136	LF	#9, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	7.49	
		For Up To 100, Add	5.01	
		For >100 To 200, Add	2.77	
		For >200 To 400, Add	1.35	
03 21 13 00-0137	LF	#10, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	9.32	
		For Up To 100, Add	5.06	
		For >100 To 200, Add	2.62	
		For >200 To 300, Add	1.31	
03 21 13 00-0138	LF	#11, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	11.30	
		For Up To 100, Add	6.19	
		For >100 To 200, Add	3.19	
		For >200 To 300, Add	1.60	
03 21 13 00-0139	LF	#14, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	15.99	
		For Up To 100, Add	8.83	
		For >100 To 200, Add	4.54	
		For >200 To 300, Add	2.27	
03 21 13 00-0140	LF	#18, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	27.93	
		For Up To 100, Add	15.55	
		For >100 To 200, Add	7.98	
		For >200 To 300, Add	3.99	

03 21 13 00-0141 Walls, Galvanized Steel Reinforcement Bar (03 21 13)

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0142	LF	#3, Grade 40, Walls, Galvanized Steel Reinforcement Bar	0.84	
		For Up To 100, Add	0.68	
		For >100 To 200, Add	0.36	
		For >200 To 500, Add	0.14	
03 21 13 00-0143	LF	#4, Grade 40, Walls, Galvanized Steel Reinforcement Bar	1.47	
		For Up To 100, Add	1.21	
		For >100 To 200, Add	0.63	
		For >200 To 500, Add	0.25	
03 21 13 00-0144	LF	#5, Grade 40, Walls, Galvanized Steel Reinforcement Bar	2.24	
		For Up To 100, Add	1.87	
		For >100 To 200, Add	0.97	
		For >200 To 500, Add	0.39	
03 21 13 00-0145	LF	#6, Grade 40, Walls, Galvanized Steel Reinforcement Bar	3.15	
		For Up To 100, Add	2.66	
		For >100 To 200, Add	1.37	
		For >200 To 500, Add	0.55	
03 21 13 00-0146	LF	#3, Grade 50, Walls, Galvanized Steel Reinforcement Bar	0.86	
		For Up To 100, Add	0.70	
		For >100 To 200, Add	0.37	
		For >200 To 500, Add	0.15	
03 21 13 00-0147	LF	#4, Grade 50, Walls, Galvanized Steel Reinforcement Bar	1.50	
		For Up To 100, Add	1.24	
		For >100 To 200, Add	0.64	
		For >200 To 500, Add	0.26	
03 21 13 00-0148	LF	#5, Grade 50, Walls, Galvanized Steel Reinforcement Bar	2.29	
		For Up To 100, Add	1.92	
		For >100 To 200, Add	0.99	
		For >200 To 500, Add	0.40	
03 21 13 00-0149	LF	#6, Grade 50, Walls, Galvanized Steel Reinforcement Bar	3.23	
		For Up To 100, Add	2.74	
		For >100 To 200, Add	1.41	
		For >200 To 500, Add	0.56	
03 21 13 00-0150	LF	#3, Grade 60, Walls, Galvanized Steel Reinforcement Bar	0.89	
		For Up To 100, Add	0.73	
		For >100 To 200, Add	0.38	
		For >200 To 500, Add	0.15	
03 21 13 00-0151	LF	#4, Grade 60, Walls, Galvanized Steel Reinforcement Bar	1.55	
		For Up To 100, Add	1.29	
		For >100 To 200, Add	0.67	
		For >200 To 500, Add	0.27	
03 21 13 00-0152	LF	#5, Grade 60, Walls, Galvanized Steel Reinforcement Bar	2.37	
		For Up To 100, Add	2.00	
		For >100 To 200, Add	1.03	
		For >200 To 500, Add	0.41	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0153	LF	#6, Grade 60, Walls, Galvanized Steel Reinforcement Bar	.....	3.34	
		For Up To 100, Add		2.85	
		For >100 To 200, Add		1.47	
		For >200 To 500, Add		0.59	
03 21 13 00-0154	LF	#7, Grade 60, Walls, Galvanized Steel Reinforcement Bar	.....	4.44	
		For Up To 100, Add		2.93	
		For >100 To 200, Add		1.62	
		For >200 To 400, Add		0.79	
03 21 13 00-0155	LF	#8, Grade 60, Walls, Galvanized Steel Reinforcement Bar	.....	5.69	
		For Up To 100, Add		3.79	
		For >100 To 200, Add		2.10	
		For >200 To 400, Add		1.02	
03 21 13 00-0156	LF	#9, Grade 60, Walls, Galvanized Steel Reinforcement Bar	.....	7.12	
		For Up To 100, Add		4.78	
		For >100 To 200, Add		2.64	
		For >200 To 400, Add		1.28	
03 21 13 00-0157	LF	#10, Grade 60, Walls, Galvanized Steel Reinforcement Bar	.....	8.86	
		For Up To 100, Add		4.83	
		For >100 To 200, Add		2.50	
		For >200 To 300, Add		1.25	
03 21 13 00-0158	LF	#11, Grade 60, Walls, Galvanized Steel Reinforcement Bar	.....	10.76	
		For Up To 100, Add		5.91	
		For >100 To 200, Add		3.05	
		For >200 To 300, Add		1.52	
03 21 13 00-0159	LF	#14, Grade 60, Walls, Galvanized Steel Reinforcement Bar	.....	15.22	
		For Up To 100, Add		8.42	
		For >100 To 200, Add		4.33	
		For >200 To 300, Add		2.16	
03 21 13 00-0160	LF	#18, Grade 60, Walls, Galvanized Steel Reinforcement Bar	.....	26.60	
		For Up To 100, Add		14.84	
		For >100 To 200, Add		7.61	
		For >200 To 300, Add		3.80	
03 21 13 00-0161	LF	#6, Grade 75, Walls, Galvanized Steel Reinforcement Bar	.....	3.46	
		For Up To 100, Add		2.97	
		For >100 To 200, Add		1.53	
		For >200 To 500, Add		0.61	
03 21 13 00-0162	LF	#7, Grade 75, Walls, Galvanized Steel Reinforcement Bar	.....	4.60	
		For Up To 100, Add		3.05	
		For >100 To 200, Add		1.69	
		For >200 To 400, Add		0.82	
03 21 13 00-0163	LF	#8, Grade 75, Walls, Galvanized Steel Reinforcement Bar	.....	5.89	
		For Up To 100, Add		3.94	
		For >100 To 200, Add		2.18	
		For >200 To 400, Add		1.06	
03 21 13 00-0164	LF	#9, Grade 75, Walls, Galvanized Steel Reinforcement Bar	.....	7.38	
		For Up To 100, Add		4.97	
		For >100 To 200, Add		2.74	
		For >200 To 400, Add		1.34	
03 21 13 00-0165	LF	#10, Grade 75, Walls, Galvanized Steel Reinforcement Bar	.....	9.19	
		For Up To 100, Add		5.03	
		For >100 To 200, Add		2.59	
		For >200 To 300, Add		1.30	
03 21 13 00-0166	LF	#11, Grade 75, Walls, Galvanized Steel Reinforcement Bar	.....	11.16	
		For Up To 100, Add		6.15	
		For >100 To 200, Add		3.17	
		For >200 To 300, Add		1.58	
03 21 13 00-0167	LF	#14, Grade 75, Walls, Galvanized Steel Reinforcement Bar	.....	15.81	
		For Up To 100, Add		8.78	
		For >100 To 200, Add		4.51	
		For >200 To 300, Add		2.25	
03 21 13 00-0168	LF	#18, Grade 75, Walls, Galvanized Steel Reinforcement Bar	.....	27.64	
		For Up To 100, Add		15.46	
		For >100 To 200, Add		7.92	
		For >200 To 500, Add		3.96	

03 21 16 Epoxy-Coated Reinforcement Steel Bars (03 21)

03 21 16 00-0001 Beams And Girders, Epoxy Coated Steel Reinforcement Bar (03 21 16)

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0002	LF	#3, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	.....	0.97	
		For Up To 100, Add		0.72	
		For >100 To 200, Add		0.38	
		For >200 To 500, Add		0.15	
03 21 16 00-0003	LF	#4, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	.....	1.66	
		For Up To 100, Add		1.26	
		For >100 To 200, Add		0.67	
		For >200 To 500, Add		0.27	
03 21 16 00-0004	LF	#5, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	.....	2.52	
		For Up To 100, Add		1.94	
		For >100 To 200, Add		1.02	
		For >200 To 500, Add		0.41	
03 21 16 00-0005	LF	#6, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	.....	3.52	
		For Up To 100, Add		2.75	
		For >100 To 200, Add		1.44	
		For >200 To 500, Add		0.58	
03 21 16 00-0006	LF	#3, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	.....	0.99	
		For Up To 100, Add		0.74	
		For >100 To 200, Add		0.39	
		For >200 To 500, Add		0.16	

03 Concrete
03 20 Concrete Reinforcing
03 21 Reinforcement Bars

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 21 16 00-0007	LF #4, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.69	
	For Up To 100, Add	1.29	
	For >100 To 200, Add	0.68	
	For >200 To 500, Add	0.27	
03 21 16 00-0008	LF #5, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.57	
	For Up To 100, Add	1.99	
	For >100 To 200, Add	1.05	
	For >200 To 500, Add	0.42	
03 21 16 00-0009	LF #6, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	3.60	
	For Up To 100, Add	2.83	
	For >100 To 200, Add	1.48	
	For >200 To 500, Add	0.59	
03 21 16 00-0010	LF #3, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.02	
	For Up To 100, Add	0.77	
	For >100 To 200, Add	0.41	
	For >200 To 500, Add	0.16	
03 21 16 00-0011	LF #4, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.74	
	For Up To 100, Add	1.34	
	For >100 To 200, Add	0.71	
	For >200 To 500, Add	0.28	
03 21 16 00-0012	LF #5, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.65	
	For Up To 100, Add	2.07	
	For >100 To 200, Add	1.09	
	For >200 To 500, Add	0.43	
03 21 16 00-0013	LF #6, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	3.72	
	For Up To 100, Add	2.95	
	For >100 To 200, Add	1.54	
	For >200 To 500, Add	0.62	
03 21 16 00-0014	LF #7, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	4.89	
	For Up To 100, Add	3.04	
	For >100 To 200, Add	1.72	
	For >200 To 400, Add	0.82	
03 21 16 00-0015	LF #8, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	6.17	
	For Up To 100, Add	3.89	
	For >100 To 200, Add	2.19	
	For >200 To 400, Add	1.05	
03 21 16 00-0016	LF #9, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	7.68	
	For Up To 100, Add	4.90	
	For >100 To 200, Add	2.75	
	For >200 To 400, Add	1.32	
03 21 16 00-0017	LF #10, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	9.49	
	For Up To 100, Add	4.94	
	For >100 To 200, Add	2.60	
	For >200 To 300, Add	1.30	
03 21 16 00-0018	LF #11, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	11.43	
	For Up To 100, Add	6.02	
	For >100 To 200, Add	3.15	
	For >200 To 300, Add	1.57	
03 21 16 00-0019	LF #14, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	16.06	
	For Up To 100, Add	8.54	
	For >100 To 200, Add	4.45	
	For >200 To 300, Add	2.23	
03 21 16 00-0020	LF #18, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	27.84	
	For Up To 100, Add	14.97	
	For >100 To 200, Add	7.78	
	For >200 To 300, Add	3.89	
03 21 16 00-0021	LF #6, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	3.83	
	For Up To 100, Add	3.06	
	For >100 To 200, Add	1.60	
	For >200 To 500, Add	0.64	
03 21 16 00-0022	LF #7, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	5.04	
	For Up To 100, Add	3.15	
	For >100 To 200, Add	1.78	
	For >200 To 400, Add	0.85	
03 21 16 00-0023	LF #8, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	6.38	
	For Up To 100, Add	4.05	
	For >100 To 200, Add	2.28	
	For >200 To 400, Add	1.09	
03 21 16 00-0024	LF #9, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	7.94	
	For Up To 100, Add	5.09	
	For >100 To 200, Add	2.85	
	For >200 To 400, Add	1.37	
03 21 16 00-0025	LF #10, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	9.82	
	For Up To 100, Add	5.14	
	For >100 To 200, Add	2.70	
	For >200 To 300, Add	1.35	
03 21 16 00-0026	LF #11, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	11.84	
	For Up To 100, Add	6.26	
	For >100 To 200, Add	3.27	
	For >200 To 300, Add	1.64	
03 21 16 00-0027	LF #14, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	16.65	
	For Up To 100, Add	8.90	
	For >100 To 200, Add	4.63	
	For >200 To 300, Add	2.32	
03 21 16 00-0028	LF #18, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	28.88	
	For Up To 100, Add	15.60	
	For >100 To 200, Add	8.09	
	For >200 To 300, Add	4.04	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST

03 21 16 00-0029 Columns, Epoxy Coated Steel Reinforcement Bar (03 21 16)

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0030	LF	#3, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	1.00		
		For Up To 100, Add	0.74		
		For >100 To 200, Add	0.39		
		For >200 To 500, Add	0.16		
03 21 16 00-0031	LF	#4, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	1.74		
		For Up To 100, Add	1.30		
		For >100 To 200, Add	0.69		
		For >200 To 500, Add	0.27		
03 21 16 00-0032	LF	#5, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	2.61		
		For Up To 100, Add	1.98		
		For >100 To 200, Add	1.04		
		For >200 To 500, Add	0.42		
03 21 16 00-0033	LF	#6, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	3.64		
		For Up To 100, Add	2.80		
		For >100 To 200, Add	1.47		
		For >200 To 500, Add	0.59		
03 21 16 00-0034	LF	#3, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	1.02		
		For Up To 100, Add	0.76		
		For >100 To 200, Add	0.40		
		For >200 To 500, Add	0.16		
03 21 16 00-0035	LF	#4, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	1.77		
		For Up To 100, Add	1.33		
		For >100 To 200, Add	0.70		
		For >200 To 500, Add	0.28		
03 21 16 00-0036	LF	#5, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	2.66		
		For Up To 100, Add	2.03		
		For >100 To 200, Add	1.07		
		For >200 To 500, Add	0.43		
03 21 16 00-0037	LF	#6, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	3.72		
		For Up To 100, Add	2.88		
		For >100 To 200, Add	1.51		
		For >200 To 500, Add	0.60		
03 21 16 00-0038	LF	#3, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	1.05		
		For Up To 100, Add	0.79		
		For >100 To 200, Add	0.42		
		For >200 To 500, Add	0.17		
03 21 16 00-0039	LF	#4, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	1.82		
		For Up To 100, Add	1.38		
		For >100 To 200, Add	0.73		
		For >200 To 500, Add	0.29		
03 21 16 00-0040	LF	#5, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	2.74		
		For Up To 100, Add	2.11		
		For >100 To 200, Add	1.11		
		For >200 To 500, Add	0.44		
03 21 16 00-0041	LF	#6, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	3.84		
		For Up To 100, Add	3.00		
		For >100 To 200, Add	1.57		
		For >200 To 500, Add	0.63		
03 21 16 00-0042	LF	#7, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	5.05		
		For Up To 100, Add	3.10		
		For >100 To 200, Add	1.76		
		For >200 To 400, Add	0.84		
03 21 16 00-0043	LF	#8, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	6.35		
		For Up To 100, Add	3.95		
		For >100 To 200, Add	2.24		
		For >200 To 400, Add	1.07		
03 21 16 00-0044	LF	#9, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	7.89		
		For Up To 100, Add	4.97		
		For >100 To 200, Add	2.80		
		For >200 To 400, Add	1.34		
03 21 16 00-0045	LF	#10, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	9.73		
		For Up To 100, Add	5.01		
		For >100 To 200, Add	2.64		
		For >200 To 300, Add	1.32		
03 21 16 00-0046	LF	#11, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	11.71		
		For Up To 100, Add	6.10		
		For >100 To 200, Add	3.20		
		For >200 To 300, Add	1.60		
03 21 16 00-0047	LF	#14, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	16.43		
		For Up To 100, Add	8.65		
		For >100 To 200, Add	4.53		
		For >200 To 300, Add	2.26		
03 21 16 00-0048	LF	#18, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	28.41		
		For Up To 100, Add	15.14		
		For >100 To 200, Add	7.89		
		For >200 To 300, Add	3.94		
03 21 16 00-0049	LF	#6, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	3.95		
		For Up To 100, Add	3.11		
		For >100 To 200, Add	1.63		
		For >200 To 500, Add	0.65		
03 21 16 00-0050	LF	#7, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	5.20		
		For Up To 100, Add	3.21		
		For >100 To 200, Add	1.82		
		For >200 To 400, Add	0.87		
03 21 16 00-0051	LF	#8, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	6.56		
		For Up To 100, Add	4.11		
		For >100 To 200, Add	2.32		
		For >200 To 400, Add	1.11		

03 Concrete**03 20 Concrete Reinforcing****03 21 Reinforcement Bars**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

03 21 16 00-0052	LF	#9, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	8.15	
		For Up To 100, Add	5.16	
		For >100 To 200, Add	2.90	
		For >200 To 400, Add	1.39	
03 21 16 00-0053	LF	#10, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	10.06	
		For Up To 100, Add	5.21	
		For >100 To 200, Add	2.74	
		For >200 To 300, Add	1.37	
03 21 16 00-0054	LF	#11, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	12.12	
		For Up To 100, Add	6.35	
		For >100 To 200, Add	3.33	
		For >200 To 300, Add	1.66	
03 21 16 00-0055	LF	#14, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	17.02	
		For Up To 100, Add	9.01	
		For >100 To 200, Add	4.70	
		For >200 To 300, Add	2.35	
03 21 16 00-0056	LF	#18, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	29.45	
		For Up To 100, Add	15.77	
		For >100 To 200, Add	8.20	
		For >200 To 300, Add	4.10	

03 21 16 00-0057 Footings, Epoxy Coated Steel Reinforcement Bar (03 21 16)

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0058	LF	#3, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	0.91	
		For Up To 100, Add	0.70	
		For >100 To 200, Add	0.37	
		For >200 To 500, Add	0.15	
03 21 16 00-0059	LF	#4, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	1.57	
		For Up To 100, Add	1.23	
		For >100 To 200, Add	0.64	
		For >200 To 500, Add	0.26	
03 21 16 00-0060	LF	#5, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	2.38	
		For Up To 100, Add	1.89	
		For >100 To 200, Add	0.99	
		For >200 To 500, Add	0.39	
03 21 16 00-0061	LF	#6, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	3.33	
		For Up To 100, Add	2.68	
		For >100 To 200, Add	1.39	
		For >200 To 500, Add	0.56	
03 21 16 00-0062	LF	#3, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	0.93	
		For Up To 100, Add	0.72	
		For >100 To 200, Add	0.38	
		For >200 To 500, Add	0.15	
03 21 16 00-0063	LF	#4, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	1.60	
03 21 16 00-0064	LF	#5, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	2.43	
		For Up To 100, Add	1.94	
		For >100 To 200, Add	1.01	
		For >200 To 500, Add	0.40	
03 21 16 00-0065	LF	#6, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	3.41	
		For Up To 100, Add	2.76	
		For >100 To 200, Add	1.43	
		For >200 To 500, Add	0.57	
03 21 16 00-0066	LF	#3, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	0.96	
		For Up To 100, Add	0.75	
		For >100 To 200, Add	0.39	
		For >200 To 500, Add	0.16	
03 21 16 00-0067	LF	#4, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	1.65	
		For Up To 100, Add	1.31	
		For >100 To 200, Add	0.68	
		For >200 To 500, Add	0.27	
03 21 16 00-0068	LF	#5, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	2.51	
		For Up To 100, Add	2.02	
		For >100 To 200, Add	1.05	
		For >200 To 500, Add	0.42	
03 21 16 00-0069	LF	#6, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	3.53	
		For Up To 100, Add	2.88	
		For >100 To 200, Add	1.49	
		For >200 To 500, Add	0.60	
03 21 16 00-0070	LF	#7, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	4.66	
		For Up To 100, Add	2.96	
		For >100 To 200, Add	1.66	
		For >200 To 400, Add	0.80	
03 21 16 00-0071	LF	#8, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	5.90	
		For Up To 100, Add	3.80	
		For >100 To 200, Add	2.12	
		For >200 To 400, Add	1.02	
03 21 16 00-0072	LF	#9, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	7.35	
		For Up To 100, Add	4.78	
		For >100 To 200, Add	2.67	
		For >200 To 400, Add	1.29	
03 21 16 00-0073	LF	#10, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	9.11	
		For Up To 100, Add	4.83	
		For >100 To 200, Add	2.52	
		For >200 To 300, Add	1.26	
03 21 16 00-0074	LF	#11, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	11.01	
		For Up To 100, Add	5.89	
		For >100 To 200, Add	3.06	
		For >200 To 300, Add	1.53	

	Concrete	03	03
	Concrete Reinforcing	03 20	
	Reinforcement Bars	03 21	
	TOTAL DIRECT	DEMOLITION	
	UNIT COST	UNIT COST	

03 21 16 00-0075	LF #14, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar.....	15.51
	For Up To 100, Add	8.38
	For >100 To 200, Add	4.34
	For >200 To 300, Add	2.17
03 21 16 00-0076	LF #18, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar.....	26.96
	For Up To 100, Add	14.71
	For >100 To 200, Add	7.60
	For >200 To 300, Add	3.80
03 21 16 00-0077	LF #6, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar.....	3.64
	For Up To 100, Add	2.99
	For >100 To 200, Add	1.55
	For >200 To 500, Add	0.62
03 21 16 00-0078	LF #7, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar.....	4.81
	For Up To 100, Add	3.07
	For >100 To 200, Add	1.72
	For >200 To 400, Add	0.83
03 21 16 00-0079	LF #8, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar.....	6.11
	For Up To 100, Add	3.95
	For >100 To 200, Add	2.21
	For >200 To 400, Add	1.07
03 21 16 00-0080	LF #9, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar.....	7.61
	For Up To 100, Add	4.98
	For >100 To 200, Add	2.77
	For >200 To 400, Add	1.34
03 21 16 00-0081	LF #10, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar.....	9.44
	For Up To 100, Add	5.03
	For >100 To 200, Add	2.62
	For >200 To 300, Add	1.31
03 21 16 00-0082	LF #11, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar.....	11.42
	For Up To 100, Add	6.14
	For >100 To 200, Add	3.19
	For >200 To 300, Add	1.59
03 21 16 00-0083	LF #14, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar.....	16.10
	For Up To 100, Add	8.73
	For >100 To 200, Add	4.52
	For >200 To 300, Add	2.26
03 21 16 00-0084	LF #18, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar.....	28.00
	For Up To 100, Add	15.33
	For >100 To 200, Add	7.91
	For >200 To 300, Add	3.96

03 21 16 00-0085 Slab On Grade, Epoxy Coated Steel Reinforcement Bar (03 21 16)

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0086	LF #3, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	0.89
	For Up To 100, Add	0.69
	For >100 To 200, Add	0.36
	For >200 To 500, Add	0.15
03 21 16 00-0087	LF #4, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	1.54
	For Up To 100, Add	1.22
	For >100 To 200, Add	0.64
	For >200 To 500, Add	0.25
03 21 16 00-0088	LF #5, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	2.33
	For Up To 100, Add	1.87
	For >100 To 200, Add	0.97
	For >200 To 500, Add	0.39
03 21 16 00-0089	LF #6, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	3.25
	For Up To 100, Add	2.64
	For >100 To 200, Add	1.37
	For >200 To 500, Add	0.55
03 21 16 00-0090	LF #3, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	0.91
	For Up To 100, Add	0.71
	For >100 To 200, Add	0.37
	For >200 To 500, Add	0.15
03 21 16 00-0091	LF #4, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	1.57
	For Up To 100, Add	1.25
	For >100 To 200, Add	0.65
	For >200 To 500, Add	0.26
03 21 16 00-0092	LF #5, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	2.38
	For Up To 100, Add	1.92
	For >100 To 200, Add	1.00
	For >200 To 500, Add	0.40
03 21 16 00-0093	LF #6, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	3.33
	For Up To 100, Add	2.72
	For >100 To 200, Add	1.41
	For >200 To 500, Add	0.57
03 21 16 00-0094	LF #3, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	0.94
	For Up To 100, Add	0.74
	For >100 To 200, Add	0.39
	For >200 To 500, Add	0.16
03 21 16 00-0095	LF #4, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	1.62
	For Up To 100, Add	1.30
	For >100 To 200, Add	0.68
	For >200 To 500, Add	0.27
03 21 16 00-0096	LF #5, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	2.46
	For Up To 100, Add	2.00
	For >100 To 200, Add	1.04
	For >200 To 500, Add	0.42

03 Concrete
03 20 Concrete Reinforcing
03 21 Reinforcement Bars

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 21 16 00-0097	LF #6, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	3.45	
	For Up To 100, Add	2.84	
	For >100 To 200, Add	1.47	
	For >200 To 500, Add	0.59	
03 21 16 00-0098	LF #7, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	4.58	
	For Up To 100, Add	2.93	
	For >100 To 200, Add	1.64	
	For >200 To 400, Add	0.79	
03 21 16 00-0099	LF #8, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	5.81	
	For Up To 100, Add	3.77	
	For >100 To 200, Add	2.10	
	For >200 To 400, Add	1.01	
03 21 16 00-0100	LF #9, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	7.25	
	For Up To 100, Add	4.75	
	For >100 To 200, Add	2.64	
	For >200 To 400, Add	1.28	
03 21 16 00-0101	LF #10, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	8.98	
	For Up To 100, Add	4.79	
	For >100 To 200, Add	2.49	
	For >200 To 300, Add	1.25	
03 21 16 00-0102	LF #11, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	10.88	
	For Up To 100, Add	5.85	
	For >100 To 200, Add	3.04	
	For >200 To 300, Add	1.52	
03 21 16 00-0103	LF #14, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	15.32	
	For Up To 100, Add	8.32	
	For >100 To 200, Add	4.31	
	For >200 To 300, Add	2.15	
03 21 16 00-0104	LF #18, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	26.68	
	For Up To 100, Add	14.63	
	For >100 To 200, Add	7.54	
	For >200 To 300, Add	3.77	
03 21 16 00-0105	LF #6, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	3.56	
	For Up To 100, Add	2.95	
	For >100 To 200, Add	1.53	
	For >200 To 500, Add	0.61	
03 21 16 00-0106	LF #7, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	4.73	
	For Up To 100, Add	3.04	
	For >100 To 200, Add	1.70	
	For >200 To 400, Add	0.82	
03 21 16 00-0107	LF #8, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	6.02	
	For Up To 100, Add	3.92	
	For >100 To 200, Add	2.19	
	For >200 To 400, Add	1.06	
03 21 16 00-0108	LF #9, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	7.51	
	For Up To 100, Add	4.94	
	For >100 To 200, Add	2.74	
	For >200 To 400, Add	1.33	
03 21 16 00-0109	LF #10, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	9.31	
	For Up To 100, Add	4.99	
	For >100 To 200, Add	2.59	
	For >200 To 300, Add	1.30	
03 21 16 00-0110	LF #11, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	11.29	
	For Up To 100, Add	6.10	
	For >100 To 200, Add	3.16	
	For >200 To 300, Add	1.58	
03 21 16 00-0111	LF #14, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	15.91	
	For Up To 100, Add	8.67	
	For >100 To 200, Add	4.48	
	For >200 To 300, Add	2.24	
03 21 16 00-0112	LF #18, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	27.72	
	For Up To 100, Add	15.25	
	For >100 To 200, Add	7.86	
	For >200 To 300, Add	3.93	

03 21 16 00-0113 Elevated Slabs, Epoxy Coated Steel Reinforcement Bar (03 21 16)

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0114	LF #3, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	0.84	
	For Up To 100, Add	0.67	
	For >100 To 200, Add	0.35	
	For >200 To 500, Add	0.14	
03 21 16 00-0115	LF #4, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	1.46	
	For Up To 100, Add	1.18	
	For >100 To 200, Add	0.62	
	For >200 To 500, Add	0.25	
03 21 16 00-0116	LF #5, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	2.23	
	For Up To 100, Add	1.83	
	For >100 To 200, Add	0.95	
	For >200 To 500, Add	0.38	
03 21 16 00-0117	LF #6, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	3.13	
	For Up To 100, Add	2.60	
	For >100 To 200, Add	1.34	
	For >200 To 500, Add	0.54	
03 21 16 00-0118	LF #3, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	0.86	
	For Up To 100, Add	0.69	
	For >100 To 200, Add	0.36	
	For >200 To 500, Add	0.14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0119	LF	#4, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	1.49		
		For Up To 100, Add	1.21		
		For >100 To 200, Add	0.63		
		For >200 To 500, Add	0.25		
03 21 16 00-0120	LF	#5, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	2.28		
		For Up To 100, Add	1.88		
		For >100 To 200, Add	0.97		
		For >200 To 500, Add	0.39		
03 21 16 00-0121	LF	#6, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	3.21		
		For Up To 100, Add	2.68		
		For >100 To 200, Add	1.38		
		For >200 To 500, Add	0.55		
03 21 16 00-0122	LF	#3, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	0.89		
		For Up To 100, Add	0.72		
		For >100 To 200, Add	0.38		
		For >200 To 500, Add	0.15		
03 21 16 00-0123	LF	#4, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	1.54		
		For Up To 100, Add	1.26		
		For >100 To 200, Add	0.66		
		For >200 To 500, Add	0.26		
03 21 16 00-0124	LF	#5, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	2.36		
		For Up To 100, Add	1.96		
		For >100 To 200, Add	1.01		
		For >200 To 500, Add	0.41		
03 21 16 00-0125	LF	#6, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	3.33		
		For Up To 100, Add	2.80		
		For >100 To 200, Add	1.44		
		For >200 To 500, Add	0.58		
03 21 16 00-0126	LF	#7, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	4.43		
		For Up To 100, Add	2.88		
		For >100 To 200, Add	1.61		
		For >200 To 400, Add	0.78		
03 21 16 00-0127	LF	#8, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	5.62		
		For Up To 100, Add	3.70		
		For >100 To 200, Add	2.05		
		For >200 To 400, Add	1.00		
03 21 16 00-0128	LF	#9, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	7.04		
		For Up To 100, Add	4.67		
		For >100 To 200, Add	2.59		
		For >200 To 400, Add	1.26		
03 21 16 00-0129	LF	#10, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	8.74		
		For Up To 100, Add	4.72		
		For >100 To 200, Add	2.45		
		For >200 To 300, Add	1.22		
03 21 16 00-0130	LF	#11, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	10.59		
		For Up To 100, Add	5.76		
		For >100 To 200, Add	2.98		
		For >200 To 300, Add	1.49		
03 21 16 00-0131	LF	#14, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	14.96		
		For Up To 100, Add	8.21		
		For >100 To 200, Add	4.23		
		For >200 To 300, Add	2.12		
03 21 16 00-0132	LF	#18, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	26.11		
		For Up To 100, Add	14.45		
		For >100 To 200, Add	7.43		
		For >200 To 300, Add	3.71		
03 21 16 00-0133	LF	#6, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	3.44		
		For Up To 100, Add	2.91		
		For >100 To 200, Add	1.50		
		For >200 To 500, Add	0.60		
03 21 16 00-0134	LF	#7, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	4.58		
		For Up To 100, Add	2.99		
		For >100 To 200, Add	1.67		
		For >200 To 400, Add	0.81		
03 21 16 00-0135	LF	#8, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	5.83		
		For Up To 100, Add	3.86		
		For >100 To 200, Add	2.14		
		For >200 To 400, Add	1.04		
03 21 16 00-0136	LF	#9, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	7.30		
		For Up To 100, Add	4.87		
		For >100 To 200, Add	2.69		
		For >200 To 400, Add	1.31		
03 21 16 00-0137	LF	#10, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	9.07		
		For Up To 100, Add	4.91		
		For >100 To 200, Add	2.55		
		For >200 To 300, Add	1.27		
03 21 16 00-0138	LF	#11, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	11.00		
		For Up To 100, Add	6.01		
		For >100 To 200, Add	3.10		
		For >200 To 300, Add	1.55		
03 21 16 00-0139	LF	#14, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	15.55		
		For Up To 100, Add	8.57		
		For >100 To 200, Add	4.41		
		For >200 To 300, Add	2.21		
03 21 16 00-0140	LF	#18, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	27.15		
		For Up To 100, Add	15.08		
		For >100 To 200, Add	7.74		
		For >200 To 300, Add	3.87		

03 Concrete
03 20 Concrete Reinforcing
03 21 Reinforcement Bars

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 21 16 00-0141 Walls, Epoxy Coated Steel Reinforcement Bar (03 21 16)		
Note: ASTM A-775 Epoxy Coated Steel.		
03 21 16 00-0142 LF #3, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar.....	0.82	
For Up To 100, Add	0.66	
For >100 To 200, Add	0.35	
For >200 To 500, Add	0.14	
03 21 16 00-0143 LF #4, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.43	
For Up To 100, Add	1.17	
For >100 To 200, Add	0.61	
For >200 To 500, Add	0.24	
03 21 16 00-0144 LF #5, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar.....	2.18	
For Up To 100, Add	1.81	
For >100 To 200, Add	0.94	
For >200 To 500, Add	0.37	
03 21 16 00-0145 LF #6, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar.....	3.06	
For Up To 100, Add	2.57	
For >100 To 200, Add	1.33	
For >200 To 500, Add	0.53	
03 21 16 00-0146 LF #3, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar.....	0.84	
For Up To 100, Add	0.68	
For >100 To 200, Add	0.36	
For >200 To 500, Add	0.14	
03 21 16 00-0147 LF #4, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.46	
For Up To 100, Add	1.20	
For >100 To 200, Add	0.62	
For >200 To 500, Add	0.25	
03 21 16 00-0148 LF #5, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar.....	2.23	
For Up To 100, Add	1.86	
For >100 To 200, Add	0.96	
For >200 To 500, Add	0.38	
03 21 16 00-0149 LF #6, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar.....	3.14	
For Up To 100, Add	2.65	
For >100 To 200, Add	1.37	
For >200 To 500, Add	0.55	
03 21 16 00-0150 LF #3, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	0.87	
For Up To 100, Add	0.71	
For >100 To 200, Add	0.37	
For >200 To 500, Add	0.15	
03 21 16 00-0151 LF #4, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.51	
For Up To 100, Add	1.25	
For >100 To 200, Add	0.65	
For >200 To 500, Add	0.26	
03 21 16 00-0152 LF #5, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	2.31	
For Up To 100, Add	1.94	
For >100 To 200, Add	1.00	
For >200 To 500, Add	0.40	
03 21 16 00-0153 LF #6, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	3.26	
For Up To 100, Add	2.77	
For >100 To 200, Add	1.43	
For >200 To 500, Add	0.57	
03 21 16 00-0154 LF #7, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	4.33	
For Up To 100, Add	2.84	
For >100 To 200, Add	1.58	
For >200 To 400, Add	0.77	
03 21 16 00-0155 LF #8, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	5.53	
For Up To 100, Add	3.67	
For >100 To 200, Add	2.03	
For >200 To 400, Add	0.99	
03 21 16 00-0156 LF #9, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	6.93	
For Up To 100, Add	4.63	
For >100 To 200, Add	2.56	
For >200 To 400, Add	1.25	
03 21 16 00-0157 LF #10, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	8.61	
For Up To 100, Add	4.68	
For >100 To 200, Add	2.42	
For >200 To 300, Add	1.21	
03 21 16 00-0158 LF #11, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	10.45	
For Up To 100, Add	5.72	
For >100 To 200, Add	2.95	
For >200 To 300, Add	1.48	
03 21 16 00-0159 LF #14, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	14.78	
For Up To 100, Add	8.16	
For >100 To 200, Add	4.20	
For >200 To 300, Add	2.10	
03 21 16 00-0160 LF #18, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	25.82	
For Up To 100, Add	14.37	
For >100 To 200, Add	7.37	
For >200 To 300, Add	3.69	
03 21 16 00-0161 LF #6, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	3.37	
For Up To 100, Add	2.88	
For >100 To 200, Add	1.48	
For >200 To 500, Add	0.59	
03 21 16 00-0162 LF #7, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	4.48	
For Up To 100, Add	2.96	
For >100 To 200, Add	1.64	
For >200 To 400, Add	0.80	
03 21 16 00-0163 LF #8, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	5.74	
For Up To 100, Add	3.83	
For >100 To 200, Add	2.12	
For >200 To 400, Add	1.03	

			Concrete	03	CS
			Concrete Reinforcing	03 20	
			Reinforcement Bars	03 21	
MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
			UNIT COST	UNIT COST	

03 21 16 00-0164	LF	#9, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	7.19		
		For Up To 100, Add	4.83		
		For >100 To 200, Add	2.66		
		For >200 To 400, Add	1.30		
03 21 16 00-0165	LF	#10, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	8.94		
		For Up To 100, Add	4.88		
		For >100 To 200, Add	2.52		
		For >200 To 300, Add	1.26		
03 21 16 00-0166	LF	#11, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	10.86		
		For Up To 100, Add	5.97		
		For >100 To 200, Add	3.08		
		For >200 To 300, Add	1.54		
03 21 16 00-0167	LF	#14, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	15.37		
		For Up To 100, Add	8.51		
		For >100 To 200, Add	4.37		
		For >200 To 300, Add	2.19		
03 21 16 00-0168	LF	#18, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	26.86		
		For Up To 100, Add	14.99		
		For >100 To 200, Add	7.68		
		For >200 To 300, Add	3.84		

03 21 16 00-0169 Epoxy Coated Deformed Straight Dowels (03 21 16)

Note: Excludes drilling. See CSI section 02 41 19 13-0221 for drilling in concrete.

03 21 16 00-0170	EA	3/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	5.70		
		For Up To 12" Length, Deduct	-0.69		
		For >12" To <24" Length, Deduct	-0.34		
03 21 16 00-0171	EA	1/2" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	6.85		
		For Up To 12" Length, Deduct	-1.04		
		For >12" To <24" Length, Deduct	-0.52		
03 21 16 00-0172	EA	5/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	8.63		
		For Up To 12" Length, Deduct	-1.55		
		For >12" To <24" Length, Deduct	-0.78		
03 21 16 00-0173	EA	3/4" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	10.81		
		For Up To 12" Length, Deduct	-2.06		
		For >12" To <24" Length, Deduct	-1.03		
03 21 16 00-0174	EA	7/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	13.20		
		For Up To 12" Length, Deduct	-2.81		
		For >12" To <24" Length, Deduct	-1.41		
03 21 16 00-0175	EA	1" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	15.45		
		For Up To 12" Length, Deduct	-3.46		
		For >12" To <24" Length, Deduct	-1.73		
03 21 16 00-0176	EA	1-1/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	18.30		
		For Up To 12" Length, Deduct	-4.19		
		For >12" To <24" Length, Deduct	-2.09		
03 21 16 00-0177	EA	1-1/4" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	22.06		
		For Up To 12" Length, Deduct	-5.07		
		For >12" To <24" Length, Deduct	-2.54		

03 22 Fabric and Grid Reinforcing (03 20)

03 22 11 Plain Steel Welded Wire Fabric Reinforcing (03 22)

Note: Includes cutting, tie wire, tying, overlap, bar chairs and all non-mechanical splicing.

03 22 11 00-0001 Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (03 22 11)

Note: Includes bar chairs. Under 5 tons. ASTM A-185

03 22 11 00-0002	SF	6" x 6" x #10, 21 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4).....	0.83		
		For >5 Ton, Deduct	-0.13		
03 22 11 00-0003	SF	6" x 6" x #8, 30 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1).....	0.95		
		For >5 Ton, Deduct	-0.14		
03 22 11 00-0004	SF	6" x 6" x #6, 42 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9).....	1.08		
		For >5 Ton, Deduct	-0.16		
03 22 11 00-0005	SF	6" x 6" x #4, 58 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0).....	1.28		
		For >5 Ton, Deduct	-0.18		
03 22 11 00-0006	SF	4" x 4" x #10, 31 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4).....	1.00		
		For >5 Ton, Deduct	-0.15		
03 22 11 00-0007	SF	4" x 4" x #8, 44 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1).....	1.12		
		For >5 Ton, Deduct	-0.16		
03 22 11 00-0008	SF	4" x 4" x #6, 62 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9).....	1.41		
		For >5 Ton, Deduct	-0.19		
03 22 11 00-0009	SF	4" x 4" x #4, 85 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0).....	1.64		
		For >5 Ton, Deduct	-0.22		
03 22 11 00-0010	SF	2" x 2" x #12, 37 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W0.9 x W0.9).....	1.53		
		For >5 Ton, Deduct	-0.20		

03 22 13 Galvanized Welded Wire Fabric Reinforcing (03 22)

03 22 13 00-0001 Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (03 22 13)

Note: Includes bar chairs. Under 5 tons.

03 22 13 00-0002	SF	6" x 6" x #10, 21 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4).....	0.92		
		For >5 Ton, Deduct	-0.13		
03 22 13 00-0003	SF	6" x 6" x #8, 29 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1).....	1.06		
		For >5 Ton, Deduct	-0.15		
03 22 13 00-0004	SF	6" x 6" x #6, 42 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9).....	1.23		
		For >5 Ton, Deduct	-0.17		
03 22 13 00-0005	SF	6" x 6" x #4, 58 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0).....	1.48		
		For >5 Ton, Deduct	-0.20		

03 Concrete**03 20 Concrete Reinforcing****03 22 Fabric and Grid Reinforcing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

03 22 13 00-0006	SF	4" x 4" x #10, 31 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4).....	1.12
		<i>For >5 Ton, Deduct</i>	-0.16
03 22 13 00-0007	SF	4" x 4" x #8, 43 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1).....	1.28
		<i>For >5 Ton, Deduct</i>	-0.18
03 22 13 00-0008	SF	4" x 4" x #6, 62 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9).....	1.66
		<i>For >5 Ton, Deduct</i>	-0.22
03 22 13 00-0009	SF	4" x 4" x #4, 85 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0).....	1.95
		<i>For >5 Ton, Deduct</i>	-0.25

03 22 13 00-0010 Galvanized Welded Wire Reinforcement Wrap Placed In Beams And Columns ^(03 22 13)

Note: Includes bar chairs. Under 5 tons.

03 22 13 00-0011	SF	2" x 2" x #14, 21 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Wrap Placed In Beams And Columns (W0.5 x W0.5).....	3.25
		<i>For >5 Ton, Deduct</i>	-0.51

03 22 16 Epoxy-Coated Welded Wire Fabric Reinforcing ^(03 22)
03 22 16 00-0001 Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs ^(03 22 16)

Note: Includes bar chairs. Under 5 tons.

03 22 16 00-0002	SF	6" x 6" x #10, 21 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4).....	0.91
		<i>For >5 Ton, Deduct</i>	-0.13
03 22 16 00-0003	SF	6" x 6" x #8, 29 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1).....	1.05
		<i>For >5 Ton, Deduct</i>	-0.15
03 22 16 00-0004	SF	6" x 6" x #6, 42 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9).....	1.21
		<i>For >5 Ton, Deduct</i>	-0.17
03 22 16 00-0005	SF	6" x 6" x #4, 58 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0).....	1.45
		<i>For >5 Ton, Deduct</i>	-0.20
03 22 16 00-0006	SF	4" x 4" x #10, 31 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4).....	1.11
		<i>For >5 Ton, Deduct</i>	-0.16
03 22 16 00-0007	SF	4" x 4" x #8, 43 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1).....	1.26
		<i>For >5 Ton, Deduct</i>	-0.18
03 22 16 00-0008	SF	4" x 4" x #6, 62 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9).....	1.63
		<i>For >5 Ton, Deduct</i>	-0.22
03 22 16 00-0009	SF	4" x 4" x #4, 85 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0).....	1.91
		<i>For >5 Ton, Deduct</i>	-0.25

03 30 Cast-In-Place Concrete ⁽⁰³⁾

See CSI section 01 74 19 00-0045 for hauling over 15 miles.

03 30 53 Miscellaneous Cast-in-Place Concrete ^(03 30)
03 30 53 00-0001 Place Concrete Duct Bank ^(03 30 53)

03 30 53 00-0002	CY	Direct Chute, Place 3,000 PSI Concrete Duct Bank.....	190.72
		<i>For 2,000 PSI Concrete, Deduct</i>	-8.38
		<i>For 2,500 PSI Concrete, Deduct</i>	-4.19
		<i>For 3,500 PSI Concrete, Add</i>	7.76
		<i>For 3,750 PSI Concrete, Add</i>	10.55
		<i>For 4,000 PSI Concrete, Add</i>	13.34
		<i>For 4,500 PSI Concrete, Add</i>	15.52
		<i>For 5,000 PSI Concrete, Add</i>	17.69
		<i>For 6,000 PSI Concrete, Add</i>	41.89
		<i>For White Cement Concrete, Add</i>	18.62
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	20.17
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	15.52
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	54.31
		<i>For Up To 20, Add</i>	14.22
		<i>For >20 To 50, Add</i>	5.33
		<i>For >100 To 200, Deduct</i>	-3.81
		<i>For >200 To 400, Deduct</i>	-7.63
		<i>For >400, Deduct</i>	-11.44

03 30 53 00-0003 Place Concrete Thrust Blocks And Backfill ^(03 30 53)

03 30 53 00-0004	CY	Direct Chute, Place 3,000 PSI Concrete Thrust Blocks.....	235.47
		<i>For 2,000 PSI Concrete, Deduct</i>	-8.38
		<i>For 2,500 PSI Concrete, Deduct</i>	-4.19
		<i>For 3,500 PSI Concrete, Add</i>	7.76
		<i>For 3,750 PSI Concrete, Add</i>	10.55
		<i>For 4,000 PSI Concrete, Add</i>	13.34
		<i>For 4,500 PSI Concrete, Add</i>	15.52
		<i>For 5,000 PSI Concrete, Add</i>	17.69
		<i>For 6,000 PSI Concrete, Add</i>	41.90
		<i>For White Cement Concrete, Add</i>	18.62
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	20.17
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	15.52
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	54.31
		<i>For Up To 20, Add</i>	32.12
		<i>For >20 To 50, Add</i>	12.05
		<i>For >100 To 200, Deduct</i>	-4.71
		<i>For >200 To 400, Deduct</i>	-9.42
		<i>For >400, Deduct</i>	-14.13

			Concrete	03	CS
			Cast-In-Place Concrete	03 30	
			Miscellaneous Cast-in-Place Concrete	03 30 53	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

03 30 53 00-0005			Place Concrete Slurry (03 30 53)		
03 30 53 00-0006	CY		Direct Chute, Place Two Sack Cement, Concrete Slurry.....	178.28	
			Note: Two 94# sack cement per CY.		
03 30 53 00-0007	CY		Concrete Pump, Place Two Sack Cement, Concrete Slurry.....	171.20	
			Note: Two 94# sack cement per CY. Excludes pumping equipment.		
03 30 53 00-0008			Hand Mix And Place Concrete (03 30 53)		
03 30 53 00-0009	CF		Hand Mix And Place 3,000 PSI Concrete.....	19.62	
			Note: For use where conventional equipment access is limited or when directed by the owner. Includes local aggregate, sand, bagged cement (Type I) and water.		
			For Up To 25 CF, Add	2.29	
			For 2,000 PSI Concrete, Deduct	-0.36	
			For 2,500 PSI Concrete, Deduct	-0.18	
			For 3,500 PSI Concrete, Add	0.33	
			For 3,750 PSI Concrete, Add	0.45	
			For 4,000 PSI Concrete, Add	0.57	
			For 4,500 PSI Concrete, Add	0.66	
			For 5,000 PSI Concrete, Add	0.76	
			For 6,000 PSI Concrete, Add	1.79	
			For White Cement Concrete, Add	0.80	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	0.86	
			For High Early Strength, Type 3 ASTM C150, Add	0.66	
			For Lightweight Aggregate, ASTM C330, Add	2.32	

03 31 Structural Concrete (03 30)

03 31 13 Heavyweight Structural Concrete (03 31)

Note: Includes delivery, fuel charge and placement of material. See CSI section 02 41 00 00-0000 for demolition, 03 05 13 00-0001 for admixtures, 03 11 00 00-0000 for forming, 03 20 00 00-0000 for reinforcing, 03 31 13 00-0086 for small concrete purchases (short load), 03 35 00 00-0000 for finishing, 03 39 00 00-0000 for curing.

03 31 13 00-0001 Concrete Slab Assemblies (03 31 13)

03 31 13 00-0002 3,000 PSI Slab On Grade Concrete Slabs Assemblies (03 31 13 00-0001)

Note: Includes forms, welded wire reinforcement (where necessary), #3 to #6 reinforcing rods at 12" on center each way with chairs (where necessary), vapor barrier, concrete, curing, latex or hot asphalt expansion joints, control joints, screed, float, and finish for pedestrian slabs. Excludes excavation, base, earthwork, and expansion joints along existing slab. See CSI section 03 05 13 00-0001 for color additive alternative, 03 37 16 00-0001 for concrete pumping equipment.

03 31 13 00-0003	SF		4" 3,000 PSI Slab On Grade Concrete Slab Assembly.....	7.83	
			For 2,000 PSI Concrete, Deduct	-0.20	
			For 2,500 PSI Concrete, Deduct	-0.10	
			For 3,500 PSI Concrete, Add	0.07	
			For 4,000 PSI Concrete, Add	0.24	
			For 4,500 PSI Concrete, Add	0.30	
			For 5,000 PSI Concrete, Add	0.34	
			For Reinforcing Rods Are At 18" On Center, Deduct	-0.58	
			For Reinforcing Rods Are At 24" On Center, Deduct	-0.86	
			For Up To 500, Add	3.19	
			For >500 To 1,000, Add	2.19	
			For >1,000 To 2,000, Add	1.19	
			For >2,000 To 5,000, Add	0.59	
			For >10,000 To 20,000, Deduct	-0.19	
			For >20,000 To 35,000, Deduct	-0.38	
			For >35,000 To 50,000, Deduct	-0.58	
			For >50,000 To 70,000, Deduct	-0.78	
			For >70,000, Deduct	-0.97	
03 31 13 00-0004	SF		5" 3,000 PSI Slab On Grade Concrete Slab Assembly.....	8.53	
			For 2,000 PSI Concrete, Deduct	-0.23	
			For 2,500 PSI Concrete, Deduct	-0.12	
			For 3,500 PSI Concrete, Add	0.08	
			For 4,000 PSI Concrete, Add	0.27	
			For 4,500 PSI Concrete, Add	0.34	
			For 5,000 PSI Concrete, Add	0.39	
			For Reinforcing Rods Are At 18" On Center, Deduct	-0.58	
			For Reinforcing Rods Are At 24" On Center, Deduct	-0.86	
			For Up To 500, Add	3.41	
			For >500 To 1,000, Add	2.34	
			For >1,000 To 2,000, Add	1.28	
			For >2,000 To 5,000, Add	0.64	
			For >10,000 To 20,000, Deduct	-0.21	
			For >20,000 To 35,000, Deduct	-0.43	
			For >35,000 To 50,000, Deduct	-0.64	
			For >50,000 To 70,000, Deduct	-0.85	
			For >70,000, Deduct	-1.07	

03 Concrete**03 30 Cast-In-Place Concrete****03 31 Structural Concrete**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

03 31 13 00-0005	SF	6" 3,000 PSI Slab On Grade Concrete Slab Assembly.....	9.53	
		For 2,000 PSI Concrete, Deduct	-0.27	
		For 2,500 PSI Concrete, Deduct	-0.14	
		For 3,500 PSI Concrete, Add	0.10	
		For 4,000 PSI Concrete, Add	0.32	
		For 4,500 PSI Concrete, Add	0.40	
		For 5,000 PSI Concrete, Add	0.46	
		For Reinforcing Rods Are At 18" On Center, Deduct	-0.58	
		For Reinforcing Rods Are At 24" On Center, Deduct	-0.86	
		For Up To 500, Add	3.72	
		For >500 To 1,000, Add	2.56	
		For >1,000 To 2,000, Add	1.41	
		For >2,000 To 5,000, Add	0.70	
		For >10,000 To 20,000, Deduct	-0.25	
		For >20,000 To 35,000, Deduct	-0.49	
		For >35,000 To 50,000, Deduct	-0.73	
		For >50,000 To 70,000, Deduct	-0.96	
		For >70,000, Deduct	-1.20	
03 31 13 00-0006	SF	7" 3,000 PSI Slab On Grade Concrete Slab Assembly.....	10.47	
		For 2,000 PSI Concrete, Deduct	-0.31	
		For 2,500 PSI Concrete, Deduct	-0.16	
		For 3,500 PSI Concrete, Add	0.11	
		For 4,000 PSI Concrete, Add	0.36	
		For 4,500 PSI Concrete, Add	0.45	
		For 5,000 PSI Concrete, Add	0.52	
		For Reinforcing Rods Are At 18" On Center, Deduct	-0.58	
		For Reinforcing Rods Are At 24" On Center, Deduct	-0.86	
		For Up To 500, Add	3.98	
		For >500 To 1,000, Add	2.75	
		For >1,000 To 2,000, Add	1.52	
		For >2,000 To 5,000, Add	0.76	
		For >10,000 To 20,000, Deduct	-0.29	
		For >20,000 To 35,000, Deduct	-0.55	
		For >35,000 To 50,000, Deduct	-0.81	
		For >50,000 To 70,000, Deduct	-1.07	
		For >70,000, Deduct	-1.33	
03 31 13 00-0007	SF	8" 3,000 PSI Slab On Grade Concrete Slab Assembly.....	11.28	
		For 2,000 PSI Concrete, Deduct	-0.34	
		For 2,500 PSI Concrete, Deduct	-0.17	
		For 3,500 PSI Concrete, Add	0.12	
		For 4,000 PSI Concrete, Add	0.40	
		For 4,500 PSI Concrete, Add	0.50	
		For 5,000 PSI Concrete, Add	0.58	
		For Reinforcing Rods Are At 18" On Center, Deduct	-0.58	
		For Reinforcing Rods Are At 24" On Center, Deduct	-0.86	
		For Up To 500, Add	4.22	
		For >500 To 1,000, Add	2.92	
		For >1,000 To 2,000, Add	1.62	
		For >2,000 To 5,000, Add	0.81	
		For >10,000 To 20,000, Deduct	-0.32	
		For >20,000 To 35,000, Deduct	-0.60	
		For >35,000 To 50,000, Deduct	-0.88	
		For >50,000 To 70,000, Deduct	-1.16	
		For >70,000, Deduct	-1.45	
03 31 13 00-0008	SF	10" 3,000 PSI Slab On Grade Concrete Slab Assembly.....	13.34	
		For 2,000 PSI Concrete, Deduct	-0.43	
		For 2,500 PSI Concrete, Deduct	-0.22	
		For 3,500 PSI Concrete, Add	0.15	
		For 4,000 PSI Concrete, Add	0.51	
		For 4,500 PSI Concrete, Add	0.64	
		For 5,000 PSI Concrete, Add	0.73	
		For Reinforcing Rods Are At 18" On Center, Deduct	-0.58	
		For Reinforcing Rods Are At 24" On Center, Deduct	-0.86	
		For Up To 500, Add	4.78	
		For >500 To 1,000, Add	3.32	
		For >1,000 To 2,000, Add	1.86	
		For >2,000 To 5,000, Add	0.93	
		For >10,000 To 20,000, Deduct	-0.40	
		For >20,000 To 35,000, Deduct	-0.74	
		For >35,000 To 50,000, Deduct	-1.07	
		For >50,000 To 70,000, Deduct	-1.40	
		For >70,000, Deduct	-1.74	
03 31 13 00-0009	SF	12" 3,000 PSI Slab On Grade Concrete Slab Assembly.....	14.94	
		For 2,000 PSI Concrete, Deduct	-0.50	
		For 2,500 PSI Concrete, Deduct	-0.25	
		For 3,500 PSI Concrete, Add	0.18	
		For 4,000 PSI Concrete, Add	0.58	
		For 4,500 PSI Concrete, Add	0.73	
		For 5,000 PSI Concrete, Add	0.84	
		For Reinforcing Rods Are At 18" On Center, Deduct	-0.58	
		For Reinforcing Rods Are At 24" On Center, Deduct	-0.86	
		For Up To 500, Add	5.26	
		For >500 To 1,000, Add	3.66	
		For >1,000 To 2,000, Add	2.06	
		For >2,000 To 5,000, Add	1.03	
		For >10,000 To 20,000, Deduct	-0.46	
		For >20,000 To 35,000, Deduct	-0.84	
		For >35,000 To 50,000, Deduct	-1.21	
		For >50,000 To 70,000, Deduct	-1.58	
		For >70,000, Deduct	-1.96	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 31 13 00-0010		Concrete Delivery And Placement (03 31 13)		
		Note: Includes cleaning out equipment and standard concrete placement tests.		
03 31 13 00-0011		Place Concrete By Method Indicated (03 31 13 00-0010)		
		Note: Tasks for concrete placement "By Concrete Pump" exclude the pumping equipment. See CSI section 03 37 16 00-0001 for concrete pumping equipment.		
03 31 13 00-0012		Place Concrete Pile Caps (03 31 13 00-0011)		
03 31 13 00-0013	CY	Crane And Bucket, Place 3,000 PSI Concrete Pile Caps	287.39	
		For 2,000 PSI Concrete, Deduct	-8.38	
		For 2,500 PSI Concrete, Deduct	-4.19	
		For 3,500 PSI Concrete, Add	7.76	
		For 3,750 PSI Concrete, Add	10.55	
		For 4,000 PSI Concrete, Add	13.34	
		For 4,500 PSI Concrete, Add	15.52	
		For 5,000 PSI Concrete, Add	17.69	
		For 6,000 PSI Concrete, Add	41.90	
		For White Cement Concrete, Add	18.62	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	20.17	
		For High Early Strength, Type 3 ASTM C150, Add	15.52	
		For Lightweight Aggregate, ASTM C330, Add	54.31	
		For Up To 20, Add	52.89	
		For >20 To 50, Add	19.83	
		For >100 To 200, Deduct	-5.75	
		For >200 To 400, Deduct	-11.50	
		For >400, Deduct	-17.24	
03 31 13 00-0014	CY	Direct Chute, Place 3,000 PSI Concrete Pile Caps	214.21	
		For 2,000 PSI Concrete, Deduct	-8.38	
		For 2,500 PSI Concrete, Deduct	-4.19	
		For 3,500 PSI Concrete, Add	7.76	
		For 3,750 PSI Concrete, Add	10.55	
		For 4,000 PSI Concrete, Add	13.34	
		For 4,500 PSI Concrete, Add	15.52	
		For 5,000 PSI Concrete, Add	17.69	
		For 6,000 PSI Concrete, Add	41.90	
		For White Cement Concrete, Add	18.62	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	20.17	
		For High Early Strength, Type 3 ASTM C150, Add	15.52	
		For Lightweight Aggregate, ASTM C330, Add	54.31	
		For Up To 20, Add	23.62	
		For >20 To 50, Add	8.86	
		For >100 To 200, Deduct	-4.28	
		For >200 To 400, Deduct	-8.57	
		For >400, Deduct	-12.85	
03 31 13 00-0015	CY	Concrete Pump, Place 3,000 PSI Concrete Pile Caps	224.31	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	-9.08	
		For 2,500 PSI Concrete, Deduct	-4.54	
		For 3,500 PSI Concrete, Add	8.40	
		For 3,750 PSI Concrete, Add	11.43	
		For 4,000 PSI Concrete, Add	14.46	
		For 4,500 PSI Concrete, Add	16.81	
		For 5,000 PSI Concrete, Add	19.16	
		For 6,000 PSI Concrete, Add	45.38	
		For White Cement Concrete, Add	20.17	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.85	
		For High Early Strength, Type 3 ASTM C150, Add	16.81	
		For Lightweight Aggregate, ASTM C330, Add	58.83	
		For Up To 20, Add	22.49	
		For >20 To 50, Add	8.43	
		For >100 To 200, Deduct	-4.49	
		For >200 To 400, Deduct	-8.97	
		For >400, Deduct	-13.46	
03 31 13 00-0016		Place Concrete Continuous Footings (03 31 13 00-0011)		
03 31 13 00-0017	CY	Crane And Bucket, Place 3,000 PSI Concrete Continuous Footings	272.70	
		For 2,000 PSI Concrete, Deduct	-8.38	
		For 2,500 PSI Concrete, Deduct	-4.19	
		For 3,500 PSI Concrete, Add	7.76	
		For 3,750 PSI Concrete, Add	10.55	
		For 4,000 PSI Concrete, Add	13.34	
		For 4,500 PSI Concrete, Add	15.52	
		For 5,000 PSI Concrete, Add	17.69	
		For 6,000 PSI Concrete, Add	41.90	
		For White Cement Concrete, Add	18.62	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	20.17	
		For High Early Strength, Type 3 ASTM C150, Add	15.52	
		For Lightweight Aggregate, ASTM C330, Add	54.31	
		For Up To 20, Add	47.01	
		For >20 To 50, Add	17.63	
		For >100 To 200, Deduct	-5.45	
		For >200 To 400, Deduct	-10.91	
		For >400, Deduct	-16.36	

03 Concrete**03 30 Cast-In-Place Concrete****03 31 Structural Concrete**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

03 31 13 00-0018	CY	Direct Chute, Place 3,000 PSI Concrete Continuous Footings	207.65	
		For 2,000 PSI Concrete, Deduct	-8.38	
		For 2,500 PSI Concrete, Deduct	-4.19	
		For 3,500 PSI Concrete, Add	7.76	
		For 3,750 PSI Concrete, Add	10.55	
		For 4,000 PSI Concrete, Add	13.34	
		For 4,500 PSI Concrete, Add	15.52	
		For 5,000 PSI Concrete, Add	17.69	
		For 6,000 PSI Concrete, Add	41.89	
		For White Cement Concrete, Add	18.62	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	20.17	
		For High Early Strength, Type 3 ASTM C150, Add	15.52	
		For Lightweight Aggregate, ASTM C330, Add	54.31	
		For Up To 20, Add	21.00	
		For >20 To 50, Add	7.87	
		For >100 To 200, Deduct	-4.15	
		For >200 To 400, Deduct	-8.31	
		For >400, Deduct	-12.46	
03 31 13 00-0019	CY	Concrete Pump, Place 3,000 PSI Concrete Continuous Footings	218.07	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	-9.08	
		For 2,500 PSI Concrete, Deduct	-4.54	
		For 3,500 PSI Concrete, Add	8.40	
		For 3,750 PSI Concrete, Add	11.43	
		For 4,000 PSI Concrete, Add	14.46	
		For 4,500 PSI Concrete, Add	16.81	
		For 5,000 PSI Concrete, Add	19.16	
		For 6,000 PSI Concrete, Add	45.38	
		For White Cement Concrete, Add	20.17	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.85	
		For High Early Strength, Type 3 ASTM C150, Add	16.81	
		For Lightweight Aggregate, ASTM C330, Add	58.83	
		For Up To 20, Add	19.99	
		For >20 To 50, Add	7.50	
		For >100 To 200, Deduct	-4.36	
		For >200 To 400, Deduct	-8.72	
		For >400, Deduct	-13.08	

03 31 13 00-0020 Place Concrete Spread Footings (03 31 13 00-0011)

03 31 13 00-0021	CY	Crane And Bucket, Place 3,000 PSI Concrete Spread Footings	353.49	
		For 2,000 PSI Concrete, Deduct	-8.38	
		For 2,500 PSI Concrete, Deduct	-4.19	
		For 3,500 PSI Concrete, Add	7.76	
		For 3,750 PSI Concrete, Add	10.55	
		For 4,000 PSI Concrete, Add	13.34	
		For 4,500 PSI Concrete, Add	15.52	
		For 5,000 PSI Concrete, Add	17.69	
		For 6,000 PSI Concrete, Add	41.89	
		For White Cement Concrete, Add	18.62	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	20.17	
		For High Early Strength, Type 3 ASTM C150, Add	15.52	
		For Lightweight Aggregate, ASTM C330, Add	54.31	
		For Up To 20, Add	79.33	
		For >20 To 50, Add	29.75	
		For >100 To 200, Deduct	-7.07	
		For >200 To 400, Deduct	-14.14	
		For >400, Deduct	-21.21	
03 31 13 00-0022	CY	Direct Chute, Place 3,000 PSI Concrete Spread Footings.....	243.72	
		For 2,000 PSI Concrete, Deduct	-8.38	
		For 2,500 PSI Concrete, Deduct	-4.19	
		For 3,500 PSI Concrete, Add	7.76	
		For 3,750 PSI Concrete, Add	10.55	
		For 4,000 PSI Concrete, Add	13.34	
		For 4,500 PSI Concrete, Add	15.52	
		For 5,000 PSI Concrete, Add	17.69	
		For 6,000 PSI Concrete, Add	41.89	
		For White Cement Concrete, Add	18.62	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	20.17	
		For High Early Strength, Type 3 ASTM C150, Add	15.52	
		For Lightweight Aggregate, ASTM C330, Add	54.31	
		For Up To 20, Add	35.42	
		For >20 To 50, Add	13.28	
		For >100 To 200, Deduct	-4.87	
		For >200 To 400, Deduct	-9.75	
		For >400, Deduct	-14.62	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0023	CY		Concrete Pump, Place 3,000 PSI Concrete Spread Footings	252.44	
			Note: Excludes pumping equipment.		
			For 2,000 PSI Concrete, Deduct	-9.08	
			For 2,500 PSI Concrete, Deduct	-4.54	
			For 3,500 PSI Concrete, Add	8.40	
			For 3,750 PSI Concrete, Add	11.43	
			For 4,000 PSI Concrete, Add	14.46	
			For 4,500 PSI Concrete, Add	16.81	
			For 5,000 PSI Concrete, Add	19.16	
			For 6,000 PSI Concrete, Add	45.38	
			For White Cement Concrete, Add	20.17	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.85	
			For High Early Strength, Type 3 ASTM C150, Add	16.81	
			For Lightweight Aggregate, ASTM C330, Add	58.83	
			For Up To 20, Add	33.74	
			For >20 To 50, Add	12.65	
			For >100 To 200, Deduct	-5.05	
			For >200 To 400, Deduct	-10.10	
			For >400, Deduct	-15.15	
03 31 13 00-0024			Place Concrete Mat Foundation (03 31 13 00-0011)		
03 31 13 00-0025	CY		Crane And Bucket, Place 3,000 PSI Concrete Mat Foundation.....	190.42	
			For 2,000 PSI Concrete, Deduct	-8.38	
			For 2,500 PSI Concrete, Deduct	-4.19	
			For 3,500 PSI Concrete, Add	7.76	
			For 3,750 PSI Concrete, Add	10.55	
			For 4,000 PSI Concrete, Add	13.34	
			For 4,500 PSI Concrete, Add	15.52	
			For 5,000 PSI Concrete, Add	17.69	
			For 6,000 PSI Concrete, Add	41.89	
			For White Cement Concrete, Add	18.62	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	20.17	
			For High Early Strength, Type 3 ASTM C150, Add	15.52	
			For Lightweight Aggregate, ASTM C330, Add	54.31	
			For Up To 20, Add	14.10	
			For >20 To 50, Add	5.29	
			For >100 To 200, Deduct	-3.81	
			For >200 To 400, Deduct	-7.62	
			For >400, Deduct	-11.43	
03 31 13 00-0026	CY		Direct Chute, Place 3,000 PSI Concrete Mat Foundation.....	170.90	
			For 2,000 PSI Concrete, Deduct	-8.38	
			For 2,500 PSI Concrete, Deduct	-4.19	
			For 3,500 PSI Concrete, Add	7.76	
			For 3,750 PSI Concrete, Add	10.55	
			For 4,000 PSI Concrete, Add	13.34	
			For 4,500 PSI Concrete, Add	15.52	
			For 5,000 PSI Concrete, Add	17.69	
			For 6,000 PSI Concrete, Add	41.89	
			For White Cement Concrete, Add	18.62	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	20.17	
			For High Early Strength, Type 3 ASTM C150, Add	15.52	
			For Lightweight Aggregate, ASTM C330, Add	54.31	
			For Up To 20, Add	6.30	
			For >20 To 50, Add	2.36	
			For >100 To 200, Deduct	-3.42	
			For >200 To 400, Deduct	-6.84	
			For >400, Deduct	-10.25	
03 31 13 00-0027	CY		Concrete Pump, Place 3,000 PSI Concrete Mat Foundation.....	181.21	
			Note: Excludes pumping equipment.		
			For 2,000 PSI Concrete, Deduct	-9.08	
			For 2,500 PSI Concrete, Deduct	-4.54	
			For 3,500 PSI Concrete, Add	8.40	
			For 3,750 PSI Concrete, Add	11.43	
			For 4,000 PSI Concrete, Add	14.46	
			For 4,500 PSI Concrete, Add	16.81	
			For 5,000 PSI Concrete, Add	19.16	
			For 6,000 PSI Concrete, Add	45.38	
			For White Cement Concrete, Add	20.17	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.85	
			For High Early Strength, Type 3 ASTM C150, Add	16.81	
			For Lightweight Aggregate, ASTM C330, Add	58.83	
			For Up To 20, Add	5.25	
			For >20 To 50, Add	1.97	
			For >100 To 200, Deduct	-3.62	
			For >200 To 400, Deduct	-7.25	
			For >400, Deduct	-10.87	
03 31 13 00-0028			Place Concrete Grade Beams (03 31 13 00-0011)		

03 Concrete**03 30 Cast-In-Place Concrete****03 31 Structural Concrete**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

03 31 13 00-0029	CY	Crane And Bucket, Place 3,000 PSI Concrete Grade Beams.....	249.19	
		For 2,000 PSI Concrete, Deduct	-8.38	
		For 2,500 PSI Concrete, Deduct	-4.19	
		For 3,500 PSI Concrete, Add	7.76	
		For 3,750 PSI Concrete, Add	10.55	
		For 4,000 PSI Concrete, Add	13.34	
		For 4,500 PSI Concrete, Add	15.52	
		For 5,000 PSI Concrete, Add	17.69	
		For 6,000 PSI Concrete, Add	41.90	
		For White Cement Concrete, Add	18.62	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	20.17	
		For High Early Strength, Type 3 ASTM C150, Add	15.52	
		For Lightweight Aggregate, ASTM C330, Add	54.31	
		For Up To 20, Add	37.61	
		For >20 To 50, Add	14.10	
		For >100 To 200, Deduct	-4.98	
		For >200 To 400, Deduct	-9.97	
		For >400, Deduct	-14.95	
03 31 13 00-0030	CY	Direct Chute, Place 3,000 PSI Concrete Grade Beams.....	197.14	
		For 2,000 PSI Concrete, Deduct	-8.38	
		For 2,500 PSI Concrete, Deduct	-4.19	
		For 3,500 PSI Concrete, Add	7.76	
		For 3,750 PSI Concrete, Add	10.55	
		For 4,000 PSI Concrete, Add	13.34	
		For 4,500 PSI Concrete, Add	15.52	
		For 5,000 PSI Concrete, Add	17.69	
		For 6,000 PSI Concrete, Add	41.89	
		For White Cement Concrete, Add	18.62	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	20.17	
		For High Early Strength, Type 3 ASTM C150, Add	15.52	
		For Lightweight Aggregate, ASTM C330, Add	54.31	
		For Up To 20, Add	16.79	
		For >20 To 50, Add	6.30	
		For >100 To 200, Deduct	-3.94	
		For >200 To 400, Deduct	-7.89	
		For >400, Deduct	-11.83	
03 31 13 00-0031	CY	Concrete Pump, Place 3,000 PSI Concrete Grade Beams.....	208.08	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	-9.08	
		For 2,500 PSI Concrete, Deduct	-4.54	
		For 3,500 PSI Concrete, Add	8.40	
		For 3,750 PSI Concrete, Add	11.43	
		For 4,000 PSI Concrete, Add	14.46	
		For 4,500 PSI Concrete, Add	16.81	
		For 5,000 PSI Concrete, Add	19.16	
		For 6,000 PSI Concrete, Add	45.38	
		For White Cement Concrete, Add	20.17	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.85	
		For High Early Strength, Type 3 ASTM C150, Add	16.81	
		For Lightweight Aggregate, ASTM C330, Add	58.83	
		For Up To 20, Add	16.00	
		For >20 To 50, Add	6.00	
		For >100 To 200, Deduct	-4.16	
		For >200 To 400, Deduct	-8.32	
		For >400, Deduct	-12.48	

03 31 13 00-0032 Place Concrete Slab On Grade (03 31 13 00-0011)

03 31 13 00-0033	CY	Up To 6", By Crane And Bucket, Place 3,000 PSI Concrete Slab On Grade.....	251.40	
		For 2,000 PSI Concrete, Deduct	-8.38	
		For 2,500 PSI Concrete, Deduct	-4.19	
		For 3,500 PSI Concrete, Add	7.76	
		For 3,750 PSI Concrete, Add	10.55	
		For 4,000 PSI Concrete, Add	13.34	
		For 4,500 PSI Concrete, Add	15.52	
		For 5,000 PSI Concrete, Add	17.69	
		For 6,000 PSI Concrete, Add	41.89	
		For White Cement Concrete, Add	18.62	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	20.17	
		For High Early Strength, Type 3 ASTM C150, Add	15.52	
		For Lightweight Aggregate, ASTM C330, Add	54.31	
		For Up To 20, Add	38.50	
		For >20 To 50, Add	14.44	
		For >100 To 200, Deduct	-5.03	
		For >200 To 400, Deduct	-10.06	
		For >400, Deduct	-15.08	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0034	CY	>6", By Crane And Bucket, Place 3,000 PSI Concrete Slab On Grade	228.18	
		For 2,000 PSI Concrete, Deduct	-8.38	
		For 2,500 PSI Concrete, Deduct	-4.19	
		For 3,500 PSI Concrete, Add	7.76	
		For 3,750 PSI Concrete, Add	10.55	
		For 4,000 PSI Concrete, Add	13.34	
		For 4,500 PSI Concrete, Add	15.52	
		For 5,000 PSI Concrete, Add	17.69	
		For 6,000 PSI Concrete, Add	41.89	
		For White Cement Concrete, Add	18.62	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	20.17	
		For High Early Strength, Type 3 ASTM C150, Add	15.52	
		For Lightweight Aggregate, ASTM C330, Add	54.31	
		For Up To 20, Add	29.21	
		For >20 To 50, Add	10.95	
		For >100 To 200, Deduct	-4.56	
		For >200 To 400, Deduct	-9.13	
		For >400, Deduct	-13.69	
03 31 13 00-0035	CY	Up To 6", By Direct Chute, Place 3,000 PSI Concrete Slab On Grade.....	198.13	
		For 2,000 PSI Concrete, Deduct	-8.38	
		For 2,500 PSI Concrete, Deduct	-4.19	
		For 3,500 PSI Concrete, Add	7.76	
		For 3,750 PSI Concrete, Add	10.55	
		For 4,000 PSI Concrete, Add	13.34	
		For 4,500 PSI Concrete, Add	15.52	
		For 5,000 PSI Concrete, Add	17.69	
		For 6,000 PSI Concrete, Add	41.89	
		For White Cement Concrete, Add	18.62	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	20.17	
		For High Early Strength, Type 3 ASTM C150, Add	15.52	
		For Lightweight Aggregate, ASTM C330, Add	54.31	
		For Up To 20, Add	17.19	
		For >20 To 50, Add	6.45	
		For >100 To 200, Deduct	-3.96	
		For >200 To 400, Deduct	-7.93	
		For >400, Deduct	-11.89	
03 31 13 00-0036	CY	>6", By Direct Chute, Place 3,000 PSI Concrete Slab On Grade	187.76	
		For 2,000 PSI Concrete, Deduct	-8.38	
		For 2,500 PSI Concrete, Deduct	-4.19	
		For 3,500 PSI Concrete, Add	7.76	
		For 3,750 PSI Concrete, Add	10.55	
		For 4,000 PSI Concrete, Add	13.34	
		For 4,500 PSI Concrete, Add	15.52	
		For 5,000 PSI Concrete, Add	17.69	
		For 6,000 PSI Concrete, Add	41.89	
		For White Cement Concrete, Add	18.62	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	20.17	
		For High Early Strength, Type 3 ASTM C150, Add	15.52	
		For Lightweight Aggregate, ASTM C330, Add	54.31	
		For Up To 20, Add	13.04	
		For >20 To 50, Add	4.89	
		For >100 To 200, Deduct	-3.76	
		For >200 To 400, Deduct	-7.51	
		For >400, Deduct	-11.27	
03 31 13 00-0037	CY	Up To 6", By Concrete Pump, Place 3,000 PSI Concrete Slab On Grade.....	203.90	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	-9.08	
		For 2,500 PSI Concrete, Deduct	-4.54	
		For 3,500 PSI Concrete, Add	8.40	
		For 3,750 PSI Concrete, Add	11.43	
		For 4,000 PSI Concrete, Add	14.46	
		For 4,500 PSI Concrete, Add	16.81	
		For 5,000 PSI Concrete, Add	19.16	
		For 6,000 PSI Concrete, Add	45.38	
		For White Cement Concrete, Add	20.17	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.85	
		For High Early Strength, Type 3 ASTM C150, Add	16.81	
		For Lightweight Aggregate, ASTM C330, Add	58.83	
		For Up To 20, Add	14.32	
		For >20 To 50, Add	5.37	
		For >100 To 200, Deduct	-4.08	
		For >200 To 400, Deduct	-8.16	
		For >400, Deduct	-12.23	
03 31 13 00-0038	CY	>6", By Concrete Pump, Place 3,000 PSI Concrete Slab On Grade	195.26	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	-9.08	
		For 2,500 PSI Concrete, Deduct	-4.54	
		For 3,500 PSI Concrete, Add	8.40	
		For 3,750 PSI Concrete, Add	11.43	
		For 4,000 PSI Concrete, Add	14.46	
		For 4,500 PSI Concrete, Add	16.81	
		For 5,000 PSI Concrete, Add	19.16	
		For 6,000 PSI Concrete, Add	45.38	
		For White Cement Concrete, Add	20.17	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.85	
		For High Early Strength, Type 3 ASTM C150, Add	16.81	
		For Lightweight Aggregate, ASTM C330, Add	58.83	
		For Up To 20, Add	10.87	
		For >20 To 50, Add	4.08	
		For >100 To 200, Deduct	-3.91	
		For >200 To 400, Deduct	-7.81	
		For >400, Deduct	-11.72	

03 Concrete**03 30 Cast-In-Place Concrete****03 31 Structural Concrete**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

03 31 13 00-0039 Place Concrete Stairs (03 31 13 00-0011)		
03 31 13 00-0040	CY Crane And Bucket, Place 3,000 PSI On Grade Concrete Stairs.....	588.15
	For 2,000 PSI Concrete, Deduct	-8.38
	For 2,500 PSI Concrete, Deduct	-4.19
	For 3,500 PSI Concrete, Add	7.76
	For 3,750 PSI Concrete, Add	10.55
	For 4,000 PSI Concrete, Add	13.34
	For 4,500 PSI Concrete, Add	15.52
	For 5,000 PSI Concrete, Add	17.69
	For 6,000 PSI Concrete, Add	41.90
	For White Cement Concrete, Add	18.62
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	20.17
	For High Early Strength, Type 3 ASTM C150, Add	15.52
	For Lightweight Aggregate, ASTM C330, Add	54.31
	For Up To 20, Add	173.19
	For >20 To 50, Add	64.95
	For >100 To 200, Deduct	-11.76
	For >200 To 400, Deduct	-23.53
	For >400, Deduct	-35.29
03 31 13 00-0041	CY Direct Chute, Place 3,000 PSI On Grade Concrete Stairs	348.53
	For 2,000 PSI Concrete, Deduct	-8.38
	For 2,500 PSI Concrete, Deduct	-4.19
	For 3,500 PSI Concrete, Add	7.76
	For 3,750 PSI Concrete, Add	10.55
	For 4,000 PSI Concrete, Add	13.34
	For 4,500 PSI Concrete, Add	15.52
	For 5,000 PSI Concrete, Add	17.69
	For 6,000 PSI Concrete, Add	41.89
	For White Cement Concrete, Add	18.62
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	20.17
	For High Early Strength, Type 3 ASTM C150, Add	15.52
	For Lightweight Aggregate, ASTM C330, Add	54.31
	For Up To 20, Add	77.35
	For >20 To 50, Add	29.01
	For >100 To 200, Deduct	-6.97
	For >200 To 400, Deduct	-13.94
	For >400, Deduct	-20.91
03 31 13 00-0042	CY Concrete Pump, Place 3,000 PSI On Grade Concrete Stairs	329.25
	Note: Excludes pumping equipment.	
	For 2,000 PSI Concrete, Deduct	-9.08
	For 2,500 PSI Concrete, Deduct	-4.54
	For 3,500 PSI Concrete, Add	8.40
	For 3,750 PSI Concrete, Add	11.43
	For 4,000 PSI Concrete, Add	14.46
	For 4,500 PSI Concrete, Add	16.81
	For 5,000 PSI Concrete, Add	19.16
	For 6,000 PSI Concrete, Add	45.38
	For White Cement Concrete, Add	20.17
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.85
	For High Early Strength, Type 3 ASTM C150, Add	16.81
	For Lightweight Aggregate, ASTM C330, Add	58.83
	For Up To 20, Add	64.46
	For >20 To 50, Add	24.17
	For >100 To 200, Deduct	-6.59
	For >200 To 400, Deduct	-13.17
	For >400, Deduct	-19.76
03 31 13 00-0043 Place Concrete Superstructure By Method Indicated (03 31 13 00-0010)		
See CSI section 03 37 16 00-0001 for concrete pump truck.		
03 31 13 00-0044 Place Elevated Concrete Beams (03 31 13 00-0043)		
03 31 13 00-0045	CY Crane And Bucket, Place 3,000 PSI Elevated Concrete Beams.....	390.23
	For 2,000 PSI Concrete, Deduct	-8.38
	For 2,500 PSI Concrete, Deduct	-4.19
	For 3,500 PSI Concrete, Add	7.76
	For 3,750 PSI Concrete, Add	10.55
	For 4,000 PSI Concrete, Add	13.34
	For 4,500 PSI Concrete, Add	15.52
	For 5,000 PSI Concrete, Add	17.69
	For 6,000 PSI Concrete, Add	41.89
	For White Cement Concrete, Add	18.62
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	20.17
	For High Early Strength, Type 3 ASTM C150, Add	15.52
	For Lightweight Aggregate, ASTM C330, Add	54.31
	For Up To 20, Add	94.03
	For >20 To 50, Add	35.26
	For >100 To 200, Deduct	-7.80
	For >200 To 400, Deduct	-15.61
	For >400, Deduct	-23.41

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03 31 13 00-0046	CY	Concrete Pump, Place 3,000 PSI Elevated Concrete Beams.....	268.05		
		Note: Excludes pumping equipment.			
		For 2,000 PSI Concrete, Deduct	-9.08		
		For 2,500 PSI Concrete, Deduct	-4.54		
		For 3,500 PSI Concrete, Add	8.40		
		For 3,750 PSI Concrete, Add	11.43		
		For 4,000 PSI Concrete, Add	14.46		
		For 4,500 PSI Concrete, Add	16.81		
		For 5,000 PSI Concrete, Add	19.16		
		For 6,000 PSI Concrete, Add	45.38		
		For White Cement Concrete, Add	20.17		
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.85		
		For High Early Strength, Type 3 ASTM C150, Add	16.81		
		For Lightweight Aggregate, ASTM C330, Add	58.83		
		For Up To 20, Add	39.98		
		For >20 To 50, Add	14.99		
		For >100 To 200, Deduct	-5.36		
		For >200 To 400, Deduct	-10.72		
		For >400, Deduct	-16.08		

03 31 13 00-0047 Place Elevated Concrete Slab (03 31 13 00-0043)

03 31 13 00-0048	CY	Up To 6", By Crane And Bucket, Place 3,000 PSI Elevated Concrete Slab	265.83		
		For 2,000 PSI Concrete, Deduct	-8.38		
		For 2,500 PSI Concrete, Deduct	-4.19		
		For 3,500 PSI Concrete, Add	7.76		
		For 3,750 PSI Concrete, Add	10.55		
		For 4,000 PSI Concrete, Add	13.34		
		For 4,500 PSI Concrete, Add	15.52		
		For 5,000 PSI Concrete, Add	17.69		
		For 6,000 PSI Concrete, Add	41.89		
		For White Cement Concrete, Add	18.62		
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	20.17		
		For High Early Strength, Type 3 ASTM C150, Add	15.52		
		For Lightweight Aggregate, ASTM C330, Add	54.31		
		For Up To 20, Add	44.27		
		For >20 To 50, Add	16.60		
		For >100 To 200, Deduct	-5.32		
		For >200 To 400, Deduct	-10.63		
		For >400, Deduct	-15.95		
03 31 13 00-0049	CY	>6", By Crane And Bucket, Place 3,000 PSI Elevated Concrete Slab	239.13		
		For 2,000 PSI Concrete, Deduct	-8.38		
		For 2,500 PSI Concrete, Deduct	-4.19		
		For 3,500 PSI Concrete, Add	7.76		
		For 3,750 PSI Concrete, Add	10.55		
		For 4,000 PSI Concrete, Add	13.34		
		For 4,500 PSI Concrete, Add	15.52		
		For 5,000 PSI Concrete, Add	17.69		
		For 6,000 PSI Concrete, Add	41.89		
		For White Cement Concrete, Add	18.62		
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	20.17		
		For High Early Strength, Type 3 ASTM C150, Add	15.52		
		For Lightweight Aggregate, ASTM C330, Add	54.31		
		For Up To 20, Add	33.59		
		For >20 To 50, Add	12.60		
		For >100 To 200, Deduct	-4.78		
		For >200 To 400, Deduct	-9.57		
		For >400, Deduct	-14.35		
03 31 13 00-0050	CY	Up To 6", By Concrete Pump, Place 3,000 PSI Elevated Concrete Slab.....	215.15		
		Note: Excludes pumping equipment.			
		For 2,000 PSI Concrete, Deduct	-9.08		
		For 2,500 PSI Concrete, Deduct	-4.54		
		For 3,500 PSI Concrete, Add	8.40		
		For 3,750 PSI Concrete, Add	11.43		
		For 4,000 PSI Concrete, Add	14.46		
		For 4,500 PSI Concrete, Add	16.81		
		For 5,000 PSI Concrete, Add	19.16		
		For 6,000 PSI Concrete, Add	45.38		
		For White Cement Concrete, Add	20.17		
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.85		
		For High Early Strength, Type 3 ASTM C150, Add	16.81		
		For Lightweight Aggregate, ASTM C330, Add	58.83		
		For Up To 20, Add	18.82		
		For >20 To 50, Add	7.06		
		For >100 To 200, Deduct	-4.30		
		For >200 To 400, Deduct	-8.61		
		For >400, Deduct	-12.91		

03 Concrete**03 30 Cast-In-Place Concrete****03 31 Structural Concrete**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

03 31 13 00-0051	CY	>6", By Concrete Pump, Place 3,000 PSI Elevated Concrete Slab	203.80	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	-9.08	
		For 2,500 PSI Concrete, Deduct	-4.54	
		For 3,500 PSI Concrete, Add	8.40	
		For 3,750 PSI Concrete, Add	11.43	
		For 4,000 PSI Concrete, Add	14.46	
		For 4,500 PSI Concrete, Add	16.81	
		For 5,000 PSI Concrete, Add	19.16	
		For 6,000 PSI Concrete, Add	45.38	
		For White Cement Concrete, Add	20.17	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.85	
		For High Early Strength, Type 3 ASTM C150, Add	16.81	
		For Lightweight Aggregate, ASTM C330, Add	58.83	
		For Up To 20, Add	14.28	
		For >20 To 50, Add	5.36	
		For >100 To 200, Deduct	-4.08	
		For >200 To 400, Deduct	-8.15	
		For >400, Deduct	-12.23	

03 31 13 00-0052 Place Concrete Columns (03 31 13 00-0043)

03 31 13 00-0053	CY	12" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	409.04	
		For 2,000 PSI Concrete, Deduct	-8.38	
		For 2,500 PSI Concrete, Deduct	-4.19	
		For 3,500 PSI Concrete, Add	7.76	
		For 3,750 PSI Concrete, Add	10.55	
		For 4,000 PSI Concrete, Add	13.34	
		For 4,500 PSI Concrete, Add	15.52	
		For 5,000 PSI Concrete, Add	17.69	
		For 6,000 PSI Concrete, Add	41.90	
		For White Cement Concrete, Add	18.62	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	20.17	
		For High Early Strength, Type 3 ASTM C150, Add	15.52	
		For Lightweight Aggregate, ASTM C330, Add	54.31	
		For Up To 20, Add	101.55	
		For >20 To 50, Add	38.08	
		For >100 To 200, Deduct	-8.18	
		For >200 To 400, Deduct	-16.36	
		For >400, Deduct	-24.54	
03 31 13 00-0054	CY	18" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	339.69	
		For 2,000 PSI Concrete, Deduct	-8.38	
		For 2,500 PSI Concrete, Deduct	-4.19	
		For 3,500 PSI Concrete, Add	7.76	
		For 3,750 PSI Concrete, Add	10.55	
		For 4,000 PSI Concrete, Add	13.34	
		For 4,500 PSI Concrete, Add	15.52	
		For 5,000 PSI Concrete, Add	17.69	
		For 6,000 PSI Concrete, Add	41.89	
		For White Cement Concrete, Add	18.62	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	20.17	
		For High Early Strength, Type 3 ASTM C150, Add	15.52	
		For Lightweight Aggregate, ASTM C330, Add	54.31	
		For Up To 20, Add	73.81	
		For >20 To 50, Add	27.68	
		For >100 To 200, Deduct	-6.79	
		For >200 To 400, Deduct	-13.59	
		For >400, Deduct	-20.38	
03 31 13 00-0055	CY	24" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	290.09	
		For 2,000 PSI Concrete, Deduct	-8.38	
		For 2,500 PSI Concrete, Deduct	-4.19	
		For 3,500 PSI Concrete, Add	7.76	
		For 3,750 PSI Concrete, Add	10.55	
		For 4,000 PSI Concrete, Add	13.34	
		For 4,500 PSI Concrete, Add	15.52	
		For 5,000 PSI Concrete, Add	17.69	
		For 6,000 PSI Concrete, Add	41.89	
		For White Cement Concrete, Add	18.62	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	20.17	
		For High Early Strength, Type 3 ASTM C150, Add	15.52	
		For Lightweight Aggregate, ASTM C330, Add	54.31	
		For Up To 20, Add	53.97	
		For >20 To 50, Add	20.24	
		For >100 To 200, Deduct	-5.80	
		For >200 To 400, Deduct	-11.60	
		For >400, Deduct	-17.41	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
03 31 13 00-0056	CY		36" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	268.00	
			For 2,000 PSI Concrete, Deduct	-8.38	
			For 2,500 PSI Concrete, Deduct	-4.19	
			For 3,500 PSI Concrete, Add	7.76	
			For 3,750 PSI Concrete, Add	10.55	
			For 4,000 PSI Concrete, Add	13.34	
			For 4,500 PSI Concrete, Add	15.52	
			For 5,000 PSI Concrete, Add	17.69	
			For 6,000 PSI Concrete, Add	41.90	
			For White Cement Concrete, Add	18.62	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	20.17	
			For High Early Strength, Type 3 ASTM C150, Add	15.52	
			For Lightweight Aggregate, ASTM C330, Add	54.31	
			For Up To 20, Add	45.13	
			For >20 To 50, Add	16.92	
			For >100 To 200, Deduct	-5.36	
			For >200 To 400, Deduct	-10.72	
			For >400, Deduct	-16.08	
03 31 13 00-0057	CY		12" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns	276.06	
			Note: Excludes pumping equipment.		
			For 2,000 PSI Concrete, Deduct	-9.08	
			For 2,500 PSI Concrete, Deduct	-4.54	
			For 3,500 PSI Concrete, Add	8.40	
			For 3,750 PSI Concrete, Add	11.43	
			For 4,000 PSI Concrete, Add	14.46	
			For 4,500 PSI Concrete, Add	16.81	
			For 5,000 PSI Concrete, Add	19.16	
			For 6,000 PSI Concrete, Add	45.38	
			For White Cement Concrete, Add	20.17	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.85	
			For High Early Strength, Type 3 ASTM C150, Add	16.81	
			For Lightweight Aggregate, ASTM C330, Add	58.83	
			For Up To 20, Add	43.19	
			For >20 To 50, Add	16.20	
			For >100 To 200, Deduct	-5.52	
			For >200 To 400, Deduct	-11.04	
			For >400, Deduct	-16.56	
03 31 13 00-0058	CY		18" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns	246.57	
			Note: Excludes pumping equipment.		
			For 2,000 PSI Concrete, Deduct	-9.08	
			For 2,500 PSI Concrete, Deduct	-4.54	
			For 3,500 PSI Concrete, Add	8.40	
			For 3,750 PSI Concrete, Add	11.43	
			For 4,000 PSI Concrete, Add	14.46	
			For 4,500 PSI Concrete, Add	16.81	
			For 5,000 PSI Concrete, Add	19.16	
			For 6,000 PSI Concrete, Add	45.38	
			For White Cement Concrete, Add	20.17	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.85	
			For High Early Strength, Type 3 ASTM C150, Add	16.81	
			For Lightweight Aggregate, ASTM C330, Add	58.83	
			For Up To 20, Add	31.39	
			For >20 To 50, Add	11.77	
			For >100 To 200, Deduct	-4.93	
			For >200 To 400, Deduct	-9.86	
			For >400, Deduct	-14.79	
03 31 13 00-0059	CY		24" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns	225.47	
			Note: Excludes pumping equipment.		
			For 2,000 PSI Concrete, Deduct	-9.08	
			For 2,500 PSI Concrete, Deduct	-4.54	
			For 3,500 PSI Concrete, Add	8.40	
			For 3,750 PSI Concrete, Add	11.43	
			For 4,000 PSI Concrete, Add	14.46	
			For 4,500 PSI Concrete, Add	16.81	
			For 5,000 PSI Concrete, Add	19.16	
			For 6,000 PSI Concrete, Add	45.38	
			For White Cement Concrete, Add	20.17	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.85	
			For High Early Strength, Type 3 ASTM C150, Add	16.81	
			For Lightweight Aggregate, ASTM C330, Add	58.83	
			For Up To 20, Add	22.95	
			For >20 To 50, Add	8.61	
			For >100 To 200, Deduct	-4.51	
			For >200 To 400, Deduct	-9.02	
			For >400, Deduct	-13.53	

03 Concrete**03 30 Cast-In-Place Concrete****03 31 Structural Concrete**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

03 31 13 00-0060	CY	36" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns	216.06	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	-9.08	
		For 2,500 PSI Concrete, Deduct	-4.54	
		For 3,500 PSI Concrete, Add	8.40	
		For 3,750 PSI Concrete, Add	11.43	
		For 4,000 PSI Concrete, Add	14.46	
		For 4,500 PSI Concrete, Add	16.81	
		For 5,000 PSI Concrete, Add	19.16	
		For 6,000 PSI Concrete, Add	45.38	
		For White Cement Concrete, Add	20.17	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.85	
		For High Early Strength, Type 3 ASTM C150, Add	16.81	
		For Lightweight Aggregate, ASTM C330, Add	58.83	
		For Up To 20, Add	19.19	
		For >20 To 50, Add	7.20	
		For >100 To 200, Deduct	-4.32	
		For >200 To 400, Deduct	-8.64	
		For >400, Deduct	-12.96	

03 31 13 00-0061 Place Concrete Walls (03 31 13 00-0043)

03 31 13 00-0062	CY	Up To 8" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls	393.16	
		For 2,000 PSI Concrete, Deduct	-8.38	
		For 2,500 PSI Concrete, Deduct	-4.19	
		For 3,500 PSI Concrete, Add	7.76	
		For 3,750 PSI Concrete, Add	10.55	
		For 4,000 PSI Concrete, Add	13.34	
		For 4,500 PSI Concrete, Add	15.52	
		For 5,000 PSI Concrete, Add	17.69	
		For 6,000 PSI Concrete, Add	41.89	
		For White Cement Concrete, Add	18.62	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	20.17	
		For High Early Strength, Type 3 ASTM C150, Add	15.52	
		For Lightweight Aggregate, ASTM C330, Add	54.31	
		For Up To 20, Add	95.20	
		For >20 To 50, Add	35.70	
		For >100 To 200, Deduct	-7.86	
		For >200 To 400, Deduct	-15.73	
		For >400, Deduct	-23.59	
03 31 13 00-0063	CY	12" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls	373.43	
		For 2,000 PSI Concrete, Deduct	-8.38	
		For 2,500 PSI Concrete, Deduct	-4.19	
		For 3,500 PSI Concrete, Add	7.76	
		For 3,750 PSI Concrete, Add	10.55	
		For 4,000 PSI Concrete, Add	13.34	
		For 4,500 PSI Concrete, Add	15.52	
		For 5,000 PSI Concrete, Add	17.69	
		For 6,000 PSI Concrete, Add	41.89	
		For White Cement Concrete, Add	18.62	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	20.17	
		For High Early Strength, Type 3 ASTM C150, Add	15.52	
		For Lightweight Aggregate, ASTM C330, Add	54.31	
		For Up To 20, Add	87.31	
		For >20 To 50, Add	32.74	
		For >100 To 200, Deduct	-7.47	
		For >200 To 400, Deduct	-14.94	
		For >400, Deduct	-22.41	
03 31 13 00-0064	CY	15" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls	321.76	
		For 2,000 PSI Concrete, Deduct	-8.38	
		For 2,500 PSI Concrete, Deduct	-4.19	
		For 3,500 PSI Concrete, Add	7.76	
		For 3,750 PSI Concrete, Add	10.55	
		For 4,000 PSI Concrete, Add	13.34	
		For 4,500 PSI Concrete, Add	15.52	
		For 5,000 PSI Concrete, Add	17.69	
		For 6,000 PSI Concrete, Add	41.89	
		For White Cement Concrete, Add	18.62	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	20.17	
		For High Early Strength, Type 3 ASTM C150, Add	15.52	
		For Lightweight Aggregate, ASTM C330, Add	54.31	
		For Up To 20, Add	66.64	
		For >20 To 50, Add	24.99	
		For >100 To 200, Deduct	-6.44	
		For >200 To 400, Deduct	-12.87	
		For >400, Deduct	-19.31	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
03 31 13 00-0065	CY		Up To 8" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls	261.44	
			For 2,000 PSI Concrete, Deduct	-8.38	
			For 2,500 PSI Concrete, Deduct	-4.19	
			For 3,500 PSI Concrete, Add	7.76	
			For 3,750 PSI Concrete, Add	10.55	
			For 4,000 PSI Concrete, Add	13.34	
			For 4,500 PSI Concrete, Add	15.52	
			For 5,000 PSI Concrete, Add	17.69	
			For 6,000 PSI Concrete, Add	41.89	
			For White Cement Concrete, Add	18.62	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	20.17	
			For High Early Strength, Type 3 ASTM C150, Add	15.52	
			For Lightweight Aggregate, ASTM C330, Add	54.31	
			For Up To 20, Add	42.51	
			For >20 To 50, Add	15.94	
			For >100 To 200, Deduct	-5.23	
			For >200 To 400, Deduct	-10.46	
			For >400, Deduct	-15.69	
03 31 13 00-0066	CY		12" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls	240.18	
			For 2,000 PSI Concrete, Deduct	-8.38	
			For 2,500 PSI Concrete, Deduct	-4.19	
			For 3,500 PSI Concrete, Add	7.76	
			For 3,750 PSI Concrete, Add	10.55	
			For 4,000 PSI Concrete, Add	13.34	
			For 4,500 PSI Concrete, Add	15.52	
			For 5,000 PSI Concrete, Add	17.69	
			For 6,000 PSI Concrete, Add	41.89	
			For White Cement Concrete, Add	18.62	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	20.17	
			For High Early Strength, Type 3 ASTM C150, Add	15.52	
			For Lightweight Aggregate, ASTM C330, Add	54.31	
			For Up To 20, Add	34.01	
			For >20 To 50, Add	12.75	
			For >100 To 200, Deduct	-4.80	
			For >200 To 400, Deduct	-9.61	
			For >400, Deduct	-14.41	
03 31 13 00-0067	CY		15" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls	229.55	
			For 2,000 PSI Concrete, Deduct	-8.38	
			For 2,500 PSI Concrete, Deduct	-4.19	
			For 3,500 PSI Concrete, Add	7.76	
			For 3,750 PSI Concrete, Add	10.55	
			For 4,000 PSI Concrete, Add	13.34	
			For 4,500 PSI Concrete, Add	15.52	
			For 5,000 PSI Concrete, Add	17.69	
			For 6,000 PSI Concrete, Add	41.89	
			For White Cement Concrete, Add	18.62	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	20.17	
			For High Early Strength, Type 3 ASTM C150, Add	15.52	
			For Lightweight Aggregate, ASTM C330, Add	54.31	
			For Up To 20, Add	29.76	
			For >20 To 50, Add	11.16	
			For >100 To 200, Deduct	-4.59	
			For >200 To 400, Deduct	-9.18	
			For >400, Deduct	-13.77	
03 31 13 00-0068	CY		Up To 8" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls	269.30	
			Note: Excludes pumping equipment.		
			For 2,000 PSI Concrete, Deduct	-9.08	
			For 2,500 PSI Concrete, Deduct	-4.54	
			For 3,500 PSI Concrete, Add	8.40	
			For 3,750 PSI Concrete, Add	11.43	
			For 4,000 PSI Concrete, Add	14.46	
			For 4,500 PSI Concrete, Add	16.81	
			For 5,000 PSI Concrete, Add	19.16	
			For 6,000 PSI Concrete, Add	45.38	
			For White Cement Concrete, Add	20.17	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.85	
			For High Early Strength, Type 3 ASTM C150, Add	16.81	
			For Lightweight Aggregate, ASTM C330, Add	58.83	
			For Up To 20, Add	40.48	
			For >20 To 50, Add	15.18	
			For >100 To 200, Deduct	-5.39	
			For >200 To 400, Deduct	-10.77	
			For >400, Deduct	-16.16	
03 31 13 00-0069	CY		12" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls	249.05	
			Note: Excludes pumping equipment.		
			For 2,000 PSI Concrete, Deduct	-9.08	
			For 2,500 PSI Concrete, Deduct	-4.54	
			For 3,500 PSI Concrete, Add	8.40	
			For 3,750 PSI Concrete, Add	11.43	
			For 4,000 PSI Concrete, Add	14.46	
			For 4,500 PSI Concrete, Add	16.81	
			For 5,000 PSI Concrete, Add	19.16	
			For 6,000 PSI Concrete, Add	45.38	
			For White Cement Concrete, Add	20.17	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.85	
			For High Early Strength, Type 3 ASTM C150, Add	16.81	
			For Lightweight Aggregate, ASTM C330, Add	58.83	
			For Up To 20, Add	32.38	
			For >20 To 50, Add	12.14	
			For >100 To 200, Deduct	-4.98	
			For >200 To 400, Deduct	-9.96	
			For >400, Deduct	-14.94	

03 Concrete**03 30 Cast-In-Place Concrete****03 31 Structural Concrete**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

03 31 13 00-0070	CY	15" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls	238.94	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	-9.08	
		For 2,500 PSI Concrete, Deduct	-4.54	
		For 3,500 PSI Concrete, Add	8.40	
		For 3,750 PSI Concrete, Add	11.43	
		For 4,000 PSI Concrete, Add	14.46	
		For 4,500 PSI Concrete, Add	16.81	
		For 5,000 PSI Concrete, Add	19.16	
		For 6,000 PSI Concrete, Add	45.38	
		For White Cement Concrete, Add	20.17	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.85	
		For High Early Strength, Type 3 ASTM C150, Add	16.81	
		For Lightweight Aggregate, ASTM C330, Add	58.83	
		For Up To 20, Add	28.34	
		For >20 To 50, Add	10.63	
		For >100 To 200, Deduct	-4.78	
		For >200 To 400, Deduct	-9.56	
		For >400, Deduct	-14.34	

03 31 13 00-0071 Place Elevated Concrete Stairs (03 31 13 00-0043)

03 31 13 00-0072	CY	Crane And Bucket, Place 3,000 PSI Elevated Concrete Stairs.....	636.31	
		For 2,000 PSI Concrete, Deduct	-8.38	
		For 2,500 PSI Concrete, Deduct	-4.19	
		For 3,500 PSI Concrete, Add	7.76	
		For 3,750 PSI Concrete, Add	10.55	
		For 4,000 PSI Concrete, Add	13.34	
		For 4,500 PSI Concrete, Add	15.52	
		For 5,000 PSI Concrete, Add	17.69	
		For 6,000 PSI Concrete, Add	41.89	
		For White Cement Concrete, Add	18.62	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	20.17	
		For High Early Strength, Type 3 ASTM C150, Add	15.52	
		For Lightweight Aggregate, ASTM C330, Add	54.31	
		For Up To 20, Add	192.46	
		For >20 To 50, Add	72.17	
		For >100 To 200, Deduct	-12.73	
		For >200 To 400, Deduct	-25.45	
		For >400, Deduct	-38.18	
03 31 13 00-0073	CY	Direct Chute, Place 3,000 PSI Elevated Concrete Stairs.....	370.02	
		For 2,000 PSI Concrete, Deduct	-8.38	
		For 2,500 PSI Concrete, Deduct	-4.19	
		For 3,500 PSI Concrete, Add	7.76	
		For 3,750 PSI Concrete, Add	10.55	
		For 4,000 PSI Concrete, Add	13.34	
		For 4,500 PSI Concrete, Add	15.52	
		For 5,000 PSI Concrete, Add	17.69	
		For 6,000 PSI Concrete, Add	41.90	
		For White Cement Concrete, Add	18.62	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	20.17	
		For High Early Strength, Type 3 ASTM C150, Add	15.52	
		For Lightweight Aggregate, ASTM C330, Add	54.31	
		For Up To 20, Add	85.94	
		For >20 To 50, Add	32.23	
		For >100 To 200, Deduct	-7.40	
		For >200 To 400, Deduct	-14.80	
		For >400, Deduct	-22.20	
03 31 13 00-0074	CY	Concrete Pump, Place 3,000 PSI Elevated Concrete Stairs.....	347.13	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	-9.08	
		For 2,500 PSI Concrete, Deduct	-4.54	
		For 3,500 PSI Concrete, Add	8.40	
		For 3,750 PSI Concrete, Add	11.43	
		For 4,000 PSI Concrete, Add	14.46	
		For 4,500 PSI Concrete, Add	16.81	
		For 5,000 PSI Concrete, Add	19.16	
		For 6,000 PSI Concrete, Add	45.38	
		For White Cement Concrete, Add	20.17	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.85	
		For High Early Strength, Type 3 ASTM C150, Add	16.81	
		For Lightweight Aggregate, ASTM C330, Add	58.83	
		For Up To 20, Add	71.62	
		For >20 To 50, Add	26.86	
		For >100 To 200, Deduct	-6.94	
		For >200 To 400, Deduct	-13.89	
		For >400, Deduct	-20.83	

03 31 13 00-0075 Place Concrete Coping (03 31 13 00-0043)

Cal Poly Humboldt.		Concrete 03		CS
		Cast-In-Place Concrete 03 30		
		Structural Concrete 03 31		
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
03 31 13 00-0076	CY Crane And Bucket, Place 3,000 PSI Concrete Coping	652.95		
	For 2,000 PSI Concrete, Deduct	-8.38		
	For 2,500 PSI Concrete, Deduct	-4.19		
	For 3,500 PSI Concrete, Add	7.76		
	For 3,750 PSI Concrete, Add	10.55		
	For 4,000 PSI Concrete, Add	13.34		
	For 4,500 PSI Concrete, Add	15.52		
	For 5,000 PSI Concrete, Add	17.69		
	For 6,000 PSI Concrete, Add	41.90		
	For White Cement Concrete, Add	18.62		
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	20.17		
	For High Early Strength, Type 3 ASTM C150, Add	15.52		
	For Lightweight Aggregate, ASTM C330, Add	54.31		
	For Up To 20, Add	199.11		
	For >20 To 50, Add	74.67		
	For >100 To 200, Deduct	-13.06		
	For >200 To 400, Deduct	-26.12		
	For >400, Deduct	-39.18		
03 31 13 00-0077	CY Direct Chute, Place 3,000 PSI Concrete Coping	368.57		
	For 2,000 PSI Concrete, Deduct	-8.38		
	For 2,500 PSI Concrete, Deduct	-4.19		
	For 3,500 PSI Concrete, Add	7.76		
	For 3,750 PSI Concrete, Add	10.55		
	For 4,000 PSI Concrete, Add	13.34		
	For 4,500 PSI Concrete, Add	15.52		
	For 5,000 PSI Concrete, Add	17.69		
	For 6,000 PSI Concrete, Add	41.90		
	For White Cement Concrete, Add	18.62		
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	20.17		
	For High Early Strength, Type 3 ASTM C150, Add	15.52		
	For Lightweight Aggregate, ASTM C330, Add	54.31		
	For Up To 20, Add	85.36		
	For >20 To 50, Add	32.01		
	For >100 To 200, Deduct	-7.37		
	For >200 To 400, Deduct	-14.74		
	For >400, Deduct	-22.11		
03 31 13 00-0078	CY Concrete Pump, Place 3,000 PSI Concrete Coping	491.32		
	Note: Excludes pumping equipment.			
	For 2,000 PSI Concrete, Deduct	-9.08		
	For 2,500 PSI Concrete, Deduct	-4.54		
	For 3,500 PSI Concrete, Add	8.40		
	For 3,750 PSI Concrete, Add	11.43		
	For 4,000 PSI Concrete, Add	14.46		
	For 4,500 PSI Concrete, Add	16.81		
	For 5,000 PSI Concrete, Add	19.16		
	For 6,000 PSI Concrete, Add	45.38		
	For White Cement Concrete, Add	20.17		
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.85		
	For High Early Strength, Type 3 ASTM C150, Add	16.81		
	For Lightweight Aggregate, ASTM C330, Add	58.83		
	For Up To 20, Add	129.29		
	For >20 To 50, Add	48.48		
	For >100 To 200, Deduct	-9.83		
	For >200 To 400, Deduct	-19.65		
	For >400, Deduct	-29.48		
03 31 13 00-0079	Concrete Carts (03 31 13 00-0010)			
	Note: Used to place concrete were necessary.			
03 31 13 00-0080	CY 50' Haul, Non-Motorized, Concrete Buggy.....	25.13		
03 31 13 00-0081	CY 150' Haul, Non-Motorized, Concrete Buggy.....	33.64		
03 31 13 00-0082	CY 250' Haul, Non-Motorized, Concrete Buggy.....	44.87		
03 31 13 00-0083	CY 50' Haul, Motorized, Concrete Buggy	11.52		
03 31 13 00-0084	CY 150' Haul, Motorized, Concrete Buggy	15.43		
03 31 13 00-0085	CY 250' Haul, Motorized, Concrete Buggy	20.58		
03 31 13 00-0086	Delivery Fee For Small Concrete Purchases (Short Load) (03 31 13)			
03 31 13 00-0087	CY Delivery Fee For Small Concrete Purchases (Short Load) Per CY For Each CY Less Than 9 CY.....	27.00		
	Note: The task quantity is 9 minus the number of CY's delivered. For example, the delivery fee for 2CY's is: (9-2) = 7.			
03 31 13 00-0088	Equipment Pads (03 31 13)			
03 31 13 00-0089	Small Concrete Equipment Housekeeping Pad Assemblies (03 31 13 00-0088)			
	Note: Includes forms, hand mix concrete, finish, curing and reinforcing. For up to 50 SF per pad and up to 5 pads per project. See CSI section 03 31 13 00-0002 for >50 SF concrete pads.			
03 31 13 00-0090	SF 4" Equipment Pad With Welded Wire Reinforcement Assembly.....	19.69		
	For >5 To 20 Pads, Deduct	-2.49		
	For >20 To 50 Pads, Deduct	-4.57		
	For >50 Pads, Deduct	-6.64		
03 31 13 00-0091	SF 4" Equipment Pad With Rebar Assembly.....	25.60		
	For >5 To 20 Pads, Deduct	-2.87		
	For >20 To 50 Pads, Deduct	-5.27		
	For >50 Pads, Deduct	-7.66		
03 31 13 00-0092	SF 6" Equipment Pad With Rebar Assembly.....	31.89		
	For >5 To 20 Pads, Deduct	-3.61		
	For >20 To 50 Pads, Deduct	-6.62		
	For >50 Pads, Deduct	-9.63		

03 Concrete**03 30 Cast-In-Place Concrete****03 31 Structural Concrete**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

03 31 13 00-0093	SF	8" Equipment Pad With Rebar Assembly.....	39.78	
		<i>For >5 To 20 Pads, Deduct</i>	-4.59	
		<i>For >20 To 50 Pads, Deduct</i>	-8.41	
		<i>For >50 Pads, Deduct</i>	-12.23	

03 31 16 Lightweight Structural Concrete (03 31)**03 31 16 00-0001 Low Density Cellular / Foam Concrete Fill (03 31 16)**

03 31 16 00-0002	CY	Lightweight Low Density Pervious Cellular/Foam Concrete, 100 To 120 PCF Density Range	315.00	
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03 35 Concrete Finishing (03 30)**03 35 13 High-Tolerance Concrete Floor Finishing (03 35)****03 35 13 00-0001 Floor Finishes (03 35 13)**

Note: Task is for final finish type and includes all required prior finishes.

03 35 13 00-0002	SF	Screed, Concrete Floor Finish	1.09	
		<i>For Up To 100, Add</i>	2.18	
		<i>For >100 To 250, Add</i>	0.55	
		<i>For >250 To 500, Add</i>	0.27	
		<i>For >5,000 To 10,000, Deduct</i>	-0.05	
		<i>For >10,000, Deduct</i>	-0.11	
03 35 13 00-0003	SF	Darby, Concrete Floor Finish	1.31	
		<i>For Up To 100, Add</i>	2.62	
		<i>For >100 To 250, Add</i>	0.66	
		<i>For >250 To 500, Add</i>	0.33	
		<i>For >5,000 To 10,000, Deduct</i>	-0.07	
		<i>For >10,000, Deduct</i>	-0.13	
03 35 13 00-0004	SF	Broom, Concrete Floor Finish	1.44	
		<i>For Up To 100, Add</i>	2.88	
		<i>For >100 To 250, Add</i>	0.72	
		<i>For >250 To 500, Add</i>	0.36	
		<i>For >5,000 To 10,000, Deduct</i>	-0.07	
		<i>For >10,000, Deduct</i>	-0.14	
03 35 13 00-0005	SF	Final Float, Concrete Floor Finish	1.68	
		<i>For Up To 100, Add</i>	3.36	
		<i>For >100 To 250, Add</i>	0.84	
		<i>For >250 To 500, Add</i>	0.42	
		<i>For >5,000 To 10,000, Deduct</i>	-0.08	
		<i>For >10,000, Deduct</i>	-0.17	
03 35 13 00-0006	SF	Steel Trowel, Concrete Floor Finish	1.89	
		<i>For Up To 100, Add</i>	3.78	
		<i>For >100 To 250, Add</i>	0.95	
		<i>For >250 To 500, Add</i>	0.47	
		<i>For >5,000 To 10,000, Deduct</i>	-0.09	
		<i>For >10,000, Deduct</i>	-0.19	
03 35 13 00-0007	SF	Concrete Floor Finishes, Machine	1.68	
		<i>For Up To 100, Add</i>	3.36	
		<i>For >100 To 250, Add</i>	0.84	
		<i>For >250 To 500, Add</i>	0.42	
		<i>For >5,000 To 10,000, Deduct</i>	-0.08	
		<i>For >10,000, Deduct</i>	-0.17	

03 35 16 Heavy-Duty Concrete Floor Finishing (03 35)**03 35 16 00-0001 Shake On Floor Hardeners (03 35 16)**

03 35 16 00-0002	SF	0.3 Lb./SF, Metallic, Shake On Floor Hardener	1.30	
03 35 16 00-0003	SF	0.65 Lb./SF, Metallic, Shake On Floor Hardener	1.96	
03 35 16 00-0004	SF	0.3 Lb./SF, Non-Metallic, Shake On Floor Hardener	1.24	
03 35 16 00-0005	SF	0.65 Lb./SF, Non-Metallic, Shake On Floor Hardener	1.47	

03 35 19 Colored Concrete Finishing (03 35)**03 35 19 00-0001 Concrete Surface Treatments (03 35 19)**

03 35 19 00-0002	SF	Acrylic Latex Bonding Agent	0.56	
03 35 19 00-0003	SF	Epoxy Resin Bonding Agent	3.34	
03 35 19 00-0004	SF	Clear Acrylic Sealer, Hardener And Dustproofer	0.40	
03 35 19 00-0005	SF	Colored Acrylic Sealer, Hardener And Dustproofer	0.42	

03 35 23 Exposed Aggregate Concrete Finishing (03 35)**03 35 23 00-0001 Exposed Aggregate, Concrete Finish (03 35 23)**

03 35 23 00-0002	SF	Exposed Aggregate, Concrete Floor Finish	3.94	
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03 35 26 Grooved Concrete Surface Finishing (03 35)**03 35 26 00-0001 Ramp, Grooved Concrete Surface Finishing (03 35 26)**

03 35 26 00-0002	SF	Ramp, Grooved Concrete Surface Finishing	4.60	
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03 35 29 Tooled Concrete Finishing (03 35)**03 35 29 00-0001 Solid Board Concrete Finish (03 35 29)**

		Concrete	03	03
		Cast-In-Place Concrete	03 30	
		Concrete Finishing	03 35	
MINOR	TOTAL DIRECT	DEMOLITION		
CSI UOM DESCRIPTION	UNIT COST	UNIT COST		

03 35 29 00-0002	SF	Solid Board Concrete, Uniform Finish, 1 Use, Add To Formwork	16.73	
03 35 29 00-0003	SF	Solid Board Concrete, Non-Uniform Finish, 1 Use, Add To Formwork	17.95	
03 35 29 00-0004		Marblecrete Finishes (03 35 29)		
03 35 29 00-0005	SF	2" Thick Marblecrete And Finish	38.21	
03 35 29 00-0006	SF	4" Thick Marblecrete And Finish	51.27	
03 35 33		Stamped Concrete Finishing (03 35)		
03 35 33 00-0001		Stamped Concrete Finishes (03 35 33)		
03 35 33 00-0002	SF	Up To 2,500 SF Stamped Concrete Finish	4.37	
03 35 33 00-0003	SF	>2,500 To 10,000 SF Stamped Concrete Finish	3.97	
03 35 33 00-0004	SF	>10,000 SF Stamped Concrete Finish	3.79	
03 35 43		Polished Concrete Finishing (03 35)		
03 35 43 00-0001		Concrete Floor Polishing System (03 35 43)		
Note: The floor polishing system below may consist of one or multiple applications of each task/step below depending on existing conditions and desired results.				
03 35 43 00-0002	SF	Mechanically Grind Concrete Floor With 40 Grit Metal Bonded Diamond Wheels	2.06	
		For Up To 500, Add	3.92	
		For >500 To 1,000, Add	3.64	
		For >1,000 To 2,500, Add	2.40	
		For >2,500 To 4,000, Add	1.25	
		For >8,000 To 15,000, Deduct	-0.48	
		For >15,000 To 25,000, Deduct	-0.62	
		For >25,000, Deduct	-0.87	
03 35 43 00-0003	SF	Mechanically Grind Concrete Floor With 80 Grit Metal Bonded Diamond Wheels	1.65	
		For Up To 500, Add	3.12	
		For >500 To 1,000, Add	2.90	
		For >1,000 To 2,500, Add	1.92	
		For >2,500 To 4,000, Add	1.00	
		For >8,000 To 15,000, Deduct	-0.39	
		For >15,000 To 25,000, Deduct	-0.49	
		For >25,000, Deduct	-0.69	
03 35 43 00-0004	SF	Mechanically Grind Concrete Floor With 100 Grit Resin Bonded Diamond Wheels	1.38	
		For Up To 500, Add	2.60	
		For >500 To 1,000, Add	2.41	
		For >1,000 To 2,500, Add	1.59	
		For >2,500 To 4,000, Add	0.83	
		For >8,000 To 15,000, Deduct	-0.32	
		For >15,000 To 25,000, Deduct	-0.41	
		For >25,000, Deduct	-0.58	
03 35 43 00-0005	SF	Mechanically Grind Concrete Floor With 150 Grit Metal Bonded Diamond Wheels	1.29	
		For Up To 500, Add	2.43	
		For >500 To 1,000, Add	2.25	
		For >1,000 To 2,500, Add	1.49	
		For >2,500 To 4,000, Add	0.78	
		For >8,000 To 15,000, Deduct	-0.30	
		For >15,000 To 25,000, Deduct	-0.38	
		For >25,000, Deduct	-0.54	
03 35 43 00-0006	SF	Mechanically Grind Concrete Floor With 200 Grit Resin Bonded Diamond Wheels	1.19	
		For Up To 500, Add	2.23	
		For >500 To 1,000, Add	2.07	
		For >1,000 To 2,500, Add	1.37	
		For >2,500 To 4,000, Add	0.71	
		For >8,000 To 15,000, Deduct	-0.28	
		For >15,000 To 25,000, Deduct	-0.35	
		For >25,000, Deduct	-0.49	
03 35 43 00-0007	SF	Mechanically Grind Concrete Floor With 400 Grit Resin Bonded Diamond Wheels	1.19	
		For Up To 500, Add	2.23	
		For >500 To 1,000, Add	2.07	
		For >1,000 To 2,500, Add	1.37	
		For >2,500 To 4,000, Add	0.71	
		For >8,000 To 15,000, Deduct	-0.28	
		For >15,000 To 25,000, Deduct	-0.35	
		For >25,000, Deduct	-0.49	
03 35 43 00-0008	SF	Mechanically Grind Concrete Floor With 800 Grit Resin Bonded Diamond Wheels	1.19	
		For Up To 500, Add	2.23	
		For >500 To 1,000, Add	2.07	
		For >1,000 To 2,500, Add	1.37	
		For >2,500 To 4,000, Add	0.71	
		For >8,000 To 15,000, Deduct	-0.28	
		For >15,000 To 25,000, Deduct	-0.35	
		For >25,000, Deduct	-0.49	
03 35 43 00-0009	SF	Mechanically Grind Concrete Floor With 1,500 Grit Resin Bonded Diamond Wheels	1.19	
		For Up To 500, Add	2.23	
		For >500 To 1,000, Add	2.07	
		For >1,000 To 2,500, Add	1.37	
		For >2,500 To 4,000, Add	0.71	
		For >8,000 To 15,000, Deduct	-0.28	
		For >15,000 To 25,000, Deduct	-0.35	
		For >25,000, Deduct	-0.49	

03 Concrete**03 30 Cast-In-Place Concrete****03 35 Concrete Finishing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

03 35 43 00-0010	SF	High Speed Burnish Concrete Floor With Diamond Pads.....	0.29
		For Up To 500, Add	0.49
		For >500 To 1,000, Add	0.45
		For >1,000 To 2,500, Add	0.30
		For >2,500 To 4,000, Add	0.16
		For >8,000 To 15,000, Deduct	-0.06
		For >15,000 To 25,000, Deduct	-0.08
		For >25,000, Deduct	-0.11
03 35 43 00-0011	SF	Apply 1 Coat Of Concrete Densifier For Concrete Floor Polishing	0.61
		For Up To 500, Add	0.60
		For >500 To 1,000, Add	0.56
		For >1,000 To 2,500, Add	0.37
		For >2,500 To 4,000, Add	0.19
		For >8,000 To 15,000, Deduct	-0.07
		For >15,000 To 25,000, Deduct	-0.09
		For >25,000, Deduct	-0.13
03 35 43 00-0012	SF	Apply 2 Coats Of Concrete Densifier With Stain Protector For Concrete Floor Polishing	1.07
		For Up To 500, Add	0.89
		For >500 To 1,000, Add	0.83
		For >1,000 To 2,500, Add	0.55
		For >2,500 To 4,000, Add	0.29
		For >8,000 To 15,000, Deduct	-0.11
		For >15,000 To 25,000, Deduct	-0.14
		For >25,000, Deduct	-0.20
03 35 43 00-0013	SF	Concrete Floor Polishing Final Clean Up	0.16
		For Up To 500, Add	0.31
		For >500 To 1,000, Add	0.29
		For >1,000 To 2,500, Add	0.19
		For >2,500 To 4,000, Add	0.10
		For >8,000 To 15,000, Deduct	-0.04
		For >15,000 To 25,000, Deduct	-0.05
		For >25,000, Deduct	-0.07

03 35 43 00-0014 Additional Concrete Floor Polishing Tasks (03 35 43)

Note: The following tasks are only to be used with concrete floor polishing systems.

03 35 43 00-0015	SF	Removal Of Carpet And Mastic For Concrete Floor Polishing	0.96
03 35 43 00-0016	SF	Removal Of VCT And Mastic For Concrete Floor Polishing	1.22
03 35 43 00-0017	SF	8 Mil, 100% Solids, Epoxy Grout Coat For Concrete Floor Polishing	1.33
03 35 43 00-0018	LF	Picture Frame Epoxy Boarders For Concrete Floor Polishing	7.05
		Note: Includes layout and up to 6" width water based or 100% solids epoxy boarder.	
03 35 43 00-0019	LF	Install Cementitious Overlays For Concrete Floor Polishing	27.60
		Note: 3/8" overlay for damaged concrete or for decorative work.	
03 35 43 00-0020	LF	Up To 1/4" Wide, Joint Fill For Concrete Floor Polishing	4.02
		Note: Includes urethane, polyurea or epoxy joint fill material.	
03 35 43 00-0021	LF	Up To 1/4" Wide, Joint Replacement For Concrete Floor Polishing	7.08
		Note: Includes removing existing joint material and replacing with urethane, polyurea or epoxy joint fill material.	
03 35 43 00-0022	LF	Up To 1/4" Wide, Joint Reconstruction For Concrete Floor Polishing	43.94
		Note: Includes milling out damaged joint up to 1/2" depth and up to 3" on both sides. Includes rebuilding damaged joint with high impact plastic mortar and cutting new joint.	
03 35 43 00-0023	LF	Up To 1/4" Wide, Crack Fill For Concrete Floor Polishing	5.85
		Note: Includes urethane, polyurea or epoxy crack fill material.	
03 35 43 00-0024	LF	Up To 1/4" Wide, Crack Chase And Fill For Concrete Floor Polishing	9.94
		Note: Includes chasing crack and filling crack with urethane, polyurea or epoxy crack fill material.	
03 35 43 00-0025	LF	Hand Detail Work/Grinding For Concrete Floor Polishing	38.81
03 35 43 00-0026	SF	Dye For Concrete Floor Polishing	1.12

03 35 63 Slip-Resistant Floor Finishing (03 35)**03 35 63 00-0001 Slip-Resistant Floor Finishing (03 35 63)**

03 35 63 00-0002	SF	Aluminum Oxide Abrasive Floor Finish, 0.25 Lb./SF	1.71
		For Up To 100, Add	2.08
		For >100 To 250, Add	0.52
		For >250 To 500, Add	0.26
		For >5,000 To 10,000, Deduct	-0.05
		For >10,000, Deduct	-0.10
03 35 63 00-0003	SF	Silicone Carbide Abrasive Floor Finish 0.25 Lb./SF	1.41
		For Up To 100, Add	2.08
		For >100 To 250, Add	0.52
		For >250 To 500, Add	0.26
		For >5,000 To 10,000, Deduct	-0.05
		For >10,000, Deduct	-0.10

03 35 66 Acid Etch Floor Finishing (03 35)**03 35 66 00-0001 Acid Etch Floor (03 35 66)**

03 35 66 00-0002	SF	Concrete Floor Finishes, Etch With Acid And Rinse	0.99
		For Up To 100, Add	1.00
		For >100 To 250, Add	0.25
		For >250 To 500, Add	0.13
		For >5,000 To 10,000, Deduct	-0.03
		For >10,000, Deduct	-0.05

03 35 83 Concrete Wall Finishing (03 35)**03 35 83 00-0001 Wall Finishes (03 35 83)**

Concrete 03			03
Cast-In-Place Concrete 03 30			
Concrete Finishing 03 35			
MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

03 35 83 00-0002	SF Burlap Rub With Grout, New Concrete Wall Finishes.....	1.92	
	For Up To 100, Add	3.66	
	For >100 To 250, Add	0.92	
	For >250 To 500, Add	0.46	
	For >5,000 To 10,000, Deduct	-0.09	
	For >10,000, Deduct	-0.18	
03 35 83 00-0003	SF 1/16" Float Finish, New Concrete Wall Finishes.....	2.86	
	For Up To 100, Add	5.46	
	For >100 To 250, Add	1.37	
	For >250 To 500, Add	0.68	
	For >5,000 To 10,000, Deduct	-0.14	
	For >10,000, Deduct	-0.27	
03 35 83 00-0004	SF Etch With Acid And Rinse, New Concrete Wall Finishes.....	1.09	
	For Up To 100, Add	1.20	
	For >100 To 250, Add	0.30	
	For >250 To 500, Add	0.15	
	For >5,000 To 10,000, Deduct	-0.03	
	For >10,000, Deduct	-0.06	
03 35 83 00-0005	SF Bush Hammer Green Concrete, New Concrete Wall Finishes.....	5.83	
	For Up To 100, Add	11.58	
	For >100 To 250, Add	2.90	
	For >250 To 500, Add	1.45	
	For >5,000 To 10,000, Deduct	-0.29	
	For >10,000, Deduct	-0.58	
03 35 83 00-0006	SF Bush Hammer Cured Concrete, New Concrete Wall Finishes.....	9.03	
	For Up To 100, Add	17.88	
	For >100 To 250, Add	4.47	
	For >250 To 500, Add	2.24	
	For >5,000 To 10,000, Deduct	-0.45	
	For >10,000, Deduct	-0.89	
03 35 83 00-0007	SF Break Ties And Patch, New Concrete Wall Finishes.....	1.09	
	For Up To 100, Add	1.96	
	For >100 To 250, Add	0.49	
	For >250 To 500, Add	0.25	
	For >5,000 To 10,000, Deduct	-0.05	
	For >10,000, Deduct	-0.10	
03 35 83 00-0008	SF Carborundum Dry Rub, New Concrete Wall Finishes.....	3.75	
	For Up To 100, Add	7.28	
	For >100 To 250, Add	1.82	
	For >250 To 500, Add	0.91	
	For >5,000 To 10,000, Deduct	-0.18	
	For >10,000, Deduct	-0.36	
03 35 83 00-0009	SF Carborundum Wet Rub, New Concrete Wall Finishes.....	5.73	
	For Up To 100, Add	11.24	
	For >100 To 250, Add	2.81	
	For >250 To 500, Add	1.41	
	For >5,000 To 10,000, Deduct	-0.28	
	For >10,000, Deduct	-0.56	
03 35 83 00-0010	SF Up To 1/4" Penetration Abrasive Media Blasting, New Concrete Wall Finishes.....	5.74	
	Note: 4.5 Lb. of sand or abrasive media material per SF		
	For Up To 100, Add	9.18	
	For >100 To 250, Add	2.30	
	For >250 To 500, Add	1.15	
	For >5,000 To 10,000, Deduct	-0.23	
	For >10,000, Deduct	-0.46	
03 35 83 00-0011	SF >1/4" To 1/2" Penetration Abrasive Media Blasting, New Concrete Wall Finishes.....	11.48	
	Note: 9 Lb. of sand abrasive media material per SF		
	For Up To 100, Add	18.38	
	For >100 To 250, Add	4.60	
	For >250 To 500, Add	2.30	
	For >5,000 To 10,000, Deduct	-0.46	
	For >10,000, Deduct	-0.92	

03 37 Specialty Placed Concrete (03 30)

Note: Includes gun finish. Not to be used for pumping concrete tasks. See CSI section 03 35 00 00-0000 for finishing.

03 37 13 Shotcrete (03 37)

03 37 13 00-0001 Shotcrete, Fiber Reinforced, Structural Repair (03 37 13)

03 37 13 00-0002	SF 1" Thick Shotcrete, Fiber Reinforced.....	3.60	
	For Up To 25, Add	0.68	
	For >25 To 50, Add	0.39	
	For >50 To 150, Add	0.16	
03 37 13 00-0003	SF 2" Thick Shotcrete, Fiber Reinforced.....	6.77	
	For Up To 25, Add	1.25	
	For >25 To 50, Add	0.72	
	For >50 To 150, Add	0.29	
03 37 13 00-0004	SF 3" Thick Shotcrete, Fiber Reinforced.....	9.58	
	For Up To 25, Add	1.74	
	For >25 To 50, Add	1.00	
	For >50 To 150, Add	0.39	
03 37 13 00-0005	SF 4" Thick Shotcrete, Fiber Reinforced.....	12.08	
	For Up To 25, Add	2.14	
	For >25 To 50, Add	1.23	
	For >50 To 150, Add	0.47	
03 37 13 00-0006	SF 6" Thick Shotcrete, Fiber Reinforced.....	16.34	
	For Up To 25, Add	2.77	
	For >25 To 50, Add	1.57	
	For >50 To 150, Add	0.57	

03 Concrete**03 30 Cast-In-Place Concrete****03 37 Specialty Placed Concrete**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

03 37 13 00-0007		Gunit (Dry Mix Shotcrete), Sprayed (03 37 13)	
		See CSI section 03 22 11 00-0001 for wire mesh reinforcing.	
03 37 13 00-0008	SF	1" Thick Gunit (Dry Mix Shotcrete), Sprayed	3.94
		For Radius Or Irregular Surface, Add	1.18
		For Up To 25, Add	0.84
		For >25 To 50, Add	0.49
		For >50 To 150, Add	0.22
03 37 13 00-0009	SF	2" Thick Gunit (Dry Mix Shotcrete), Sprayed	7.27
		For Radius Or Irregular Surface, Add	2.11
		For Up To 25, Add	1.52
		For >25 To 50, Add	0.89
		For >50 To 150, Add	0.40
03 37 13 00-0010	SF	3" Thick Gunit (Dry Mix Shotcrete), Sprayed	10.13
		For Radius Or Irregular Surface, Add	2.86
		For Up To 25, Add	2.08
		For >25 To 50, Add	1.22
		For >50 To 150, Add	0.54
03 37 13 00-0011	SF	4" Thick Gunit (Dry Mix Shotcrete), Sprayed	12.54
		For Radius Or Irregular Surface, Add	3.42
		For Up To 25, Add	2.54
		For >25 To 50, Add	1.48
		For >50 To 150, Add	0.64
03 37 13 00-0012	SF	5" Thick Gunit (Dry Mix Shotcrete), Sprayed	14.61
		For Radius Or Irregular Surface, Add	3.85
		For Up To 25, Add	2.91
		For >25 To 50, Add	1.69
		For >50 To 150, Add	0.72
03 37 13 00-0013	SF	6" Thick Gunit (Dry Mix Shotcrete), Sprayed	16.37
		For Radius Or Irregular Surface, Add	4.16
		For Up To 25, Add	3.20
		For >25 To 50, Add	1.86
		For >50 To 150, Add	0.78
03 37 13 00-0014	SF	8" Thick Gunit (Dry Mix Shotcrete), Sprayed	20.45
		For Radius Or Irregular Surface, Add	4.99
		For Up To 25, Add	3.92
		For >25 To 50, Add	2.27
		For >50 To 150, Add	0.94
03 37 13 00-0015	SF	10" Thick Gunit (Dry Mix Shotcrete), Sprayed	24.00
		For Radius Or Irregular Surface, Add	5.61
		For Up To 25, Add	4.50
		For >25 To 50, Add	2.60
		For >50 To 150, Add	1.05
03 37 13 00-0016	SF	12" Thick Gunit (Dry Mix Shotcrete), Sprayed	27.11
		For Radius Or Irregular Surface, Add	6.06
		For Up To 25, Add	4.98
		For >25 To 50, Add	2.87
		For >50 To 150, Add	1.14

03 37 16 Pumped Concrete (03 37)

03 37 16 00-0001		Concrete Pumping With Boom Truck (03 37 16)	
		Note: Includes truck rental, operator, and local travel delivery. For delivery/set-up of equipment add one hour, for clean-up of equipment add one hour. Use four hours as the minimum cost including set-up and clean-up. Excludes concrete, use "Concrete Pump" concrete tasks from appropriate section to place into pump hopper and place concrete. Sizes are measured at a 30 degree vertical reach. See CSI section 03 31 13 00-0010 for concrete placement.	
03 37 16 00-0002	HR	55' To 60' Boom Truck For Concrete Placement (95 CY Per Hour Rating)	186.18
03 37 16 00-0003	HR	70' To 80' Boom Truck For Concrete Placement (117 CY Per Hour Rating)	195.95
03 37 16 00-0004	HR	90' To 100' Boom Truck For Concrete Placement (117 CY Per Hour Rating)	231.22
03 37 16 00-0005	HR	105' To 115' Boom Truck For Concrete Placement (117 CY Per Hour Rating)	253.18
03 37 16 00-0006	HR	120' To 130' Boom Truck For Concrete Placement (170 CY Per Hour Rating)	275.83
03 37 16 00-0007	HR	135' To 140' Boom Truck For Concrete Placement (170 CY Per Hour Rating)	323.82
03 37 16 00-0008	HR	148' To 155' Boom Truck For Concrete Placement (170 CY Per Hour Rating)	352.45
03 37 16 00-0009	HR	170' To 175' Boom Truck For Concrete Placement (182 CY Per Hour Rating)	421.80
03 37 16 00-0010	HR	35 CY/HR, 66 HP Trailer Mounted Concrete Pump	127.33
		Note: Includes hoses	

03 39 Concrete Curing (03 39)**03 39 13 Water Concrete Curing** (03 39)

03 39 13 00-0001		Water Concrete Curing (03 39 13)	
03 39 13 00-0002	SF	Water Based Curing, Sealing, Hardening And Dustproofing Compound	0.37
		Note: Coverage rates: rough finish = 300 SF/GAL, broom finish = 300 to 400 SF/GAL, steel troweled = 500 to 600 SF/GAL, and vertical surface = 400 - 500 SF/GAL.	

03 39 23 Membrane Concrete Curing (03 39)**03 39 23 23 Sheet Membrane Concrete Curing** (03 39 23)

03 39 23 23-0001		Warm Weather Concrete Curing Blankets (03 39 23 23)	
03 39 23 23-0002	CSF	Warm Weather Concrete Curing Blankets	32.61

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03 39 23 23-0003	Cold Weather Concrete Curing Blankets (03 39 23 23)			
03 39 23 23-0004	CSF	Electric, Cold Weather Concrete Curing Blanket	182.93	
03 39 23 23-0005	CSF	Non-Electric, Cold Weather Concrete Curing Blanket	38.74	

03 40 Precast Concrete (03)

Note: Precast concrete material prices are based on a precast operation producing large quantities of precast products. Includes the concrete panel, delivery to construction site and overhead/mobilization charges for the precast plant.

03 41 Precast Structural Concrete (03 40)

03 41 16 Precast Concrete Slabs (03 41)

03 41 16 00-0001	Flat Floor Slab/Floor Plank (03 41 16)			
03 41 16 00-0002	Erection Costs For Using A 90 Ton Crawler Crane (03 41 16 00-0001)			
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.				
03 41 16 00-0003	EA	Erect Precast Floor Deck, 0-2 Ton/Piece 150' Maximum Radius With 90 Ton Crane	363.58	290.89
03 41 16 00-0004	EA	Erect Precast Floor Deck, 2-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	404.18	323.29
03 41 16 00-0005	EA	Erect Precast Floor Deck, 3-4 Ton/Piece 105' Maximum Radius With 90 Ton Crane	429.18	343.32
03 41 16 00-0006	EA	Erect Precast Floor Deck, 4-5 Ton/Piece 88' Maximum Radius With 90 Ton Crane	454.97	364.00
03 41 16 00-0007	EA	Erect Precast Floor Deck, 5-6 Ton/Piece 82' Maximum Radius With 90 Ton Crane	486.90	389.50
03 41 16 00-0008	EA	Erect Precast Floor Deck, 6-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	520.37	416.30
03 41 16 00-0009	EA	Erect Precast Floor Deck, 7-8 Ton/Piece 70' Maximum Radius With 90 Ton Crane	558.79	447.00
03 41 16 00-0010	EA	Erect Precast Floor Deck, 8-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	607.73	486.17
03 41 16 00-0011	EA	Erect Precast Floor Deck, 9-10 Ton/Piece 60' Maximum Radius With 90 Ton Crane	660.79	528.70

03 41 16 00-0012 Material Cost (03 41 16 00-0001)

Note: Includes cost for 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operations cost.				
03 41 16 00-0013	SF	4" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect	33.15	
		For 3,500 PSI Concrete, Add	0.66	
		For 4,000 PSI Concrete, Add	0.99	
		For 4,500 PSI Concrete, Add	1.33	
		For 5,000 PSI Concrete, Add	1.99	
03 41 16 00-0014	SF	5" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect	39.78	
		For 3,500 PSI Concrete, Add	0.80	
		For 4,000 PSI Concrete, Add	1.19	
		For 4,500 PSI Concrete, Add	1.59	
		For 5,000 PSI Concrete, Add	2.39	
03 41 16 00-0015	SF	6" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect	48.62	
		For 3,500 PSI Concrete, Add	0.97	
		For 4,000 PSI Concrete, Add	1.46	
		For 4,500 PSI Concrete, Add	1.94	
		For 5,000 PSI Concrete, Add	2.92	
03 41 16 00-0016	SF	8" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect	64.53	
		For 3,500 PSI Concrete, Add	1.29	
		For 4,000 PSI Concrete, Add	1.94	
		For 4,500 PSI Concrete, Add	2.58	
		For 5,000 PSI Concrete, Add	3.87	

03 41 16 00-0017 Floor Units, Combination Beam And Slab (03 41 16)

03 41 16 00-0018		Erection Costs For Using 90 Ton Crawler Crane (03 41 16 00-0017)		
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.				
03 41 16 00-0019	EA	Erect Precast Comb Deck, 0-5 Ton/Piece Beam And Slab, 88' Maximum Radius With 90 Ton Crane	446.60	357.26
03 41 16 00-0020	EA	Erect Precast Comb Deck, 5-10 Ton/Piece Beam And Slab, 60' Maximum Radius With 90 Ton Crane	486.76	389.46
03 41 16 00-0021	EA	Erect Precast Comb Deck, 10-15 Ton/Piece Beam And Slab, 43' Maximum Radius With 90 Ton Crane	538.01	430.35
03 41 16 00-0022	EA	Erect Precast Comb Deck, 15-20 Ton/Piece Beam And Slab, 36' Maximum Radius With 90 Ton Crane	597.40	477.88
03 41 16 00-0023	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 31' Maximum Radius With 90 Ton Crane	671.53	537.17

03 41 16 00-0024 Erection Costs Using A 125 Ton Crawler Crane (03 41 16 00-0017)

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.				
03 41 16 00-0025	EA	Erect Precast Comb Deck, 0-5 Ton/Piece Beam And Slab, 110' Maximum Radius, 125 Ton Crane	564.40	451.54
03 41 16 00-0026	EA	Erect Precast Comb Deck, 5-10 Ton/Piece Beam And Slab, 75' Maximum Radius, 125 Ton Crane	615.16	492.09
03 41 16 00-0027	EA	Erect Precast Comb Deck, 10-15 Ton/Piece Beam And Slab, 55' Maximum Radius, 125 Ton Crane	679.92	543.98
03 41 16 00-0028	EA	Erect Precast Comb Deck, 15-20 Ton/Piece Beam And Slab, 50' Maximum Radius, 125 Ton Crane	754.97	604.00
03 41 16 00-0029	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 40' Maximum Radius, 125 Ton Crane	848.66	678.99
03 41 16 00-0030	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 33' Maximum Radius, 125 Ton Crane	922.74	738.14
03 41 16 00-0031	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 30' Maximum Radius, 125 Ton Crane	1,019.88	815.90
03 41 16 00-0032	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 28' Maximum Radius, 125 Ton Crane	1,128.79	903.09
03 41 16 00-0033	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 26' Maximum Radius, 125 Ton Crane	1,277.64	1,022.12

03 41 16 00-0034 Material Cost (03 41 16 00-0017)

Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operation.

03 41 16 00-0035 4" Slab (03 41 16 00-0034)

03 Concrete**03 40 Precast Concrete****03 41 Precast Structural Concrete**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 41 16 00-0036	CY	Precast Combination Deck, 4" Slab With Beams Edge Beam Only, 3,000 PSI Concrete.....	3,491.50	
		For 3,500 PSI Concrete, Add	69.83	
		For 4,000 PSI Concrete, Add	104.75	
		For 4,500 PSI Concrete, Add	139.66	
		For 5,000 PSI Concrete, Add	209.49	
03 41 16 00-0037	CY	Precast Combination Deck, 4" Slab With Beams Edge Beam + 1 Interim Beam, 3,000 PSI Concrete.....	3,535.69	
		For 3,500 PSI Concrete, Add	70.71	
		For 4,000 PSI Concrete, Add	106.07	
		For 4,500 PSI Concrete, Add	141.43	
		For 5,000 PSI Concrete, Add	212.14	
03 41 16 00-0038	CY	Precast Combination Deck, 4" Slab With Beams Edge Beam + 2 Interim Beam, 3,000 PSI Concrete.....	3,977.65	
		For 3,500 PSI Concrete, Add	79.55	
		For 4,000 PSI Concrete, Add	119.33	
		For 4,500 PSI Concrete, Add	159.11	
		For 5,000 PSI Concrete, Add	238.66	

03 41 16 00-0039 5" Slab (03 41 16 00-0034)

03 41 16 00-0040	CY	Precast Combination Deck, 5" Slab With Beams Edge Beam Only, 3,000 PSI Concrete.....	3,579.89	
		For 3,500 PSI Concrete, Add	71.60	
		For 4,000 PSI Concrete, Add	107.40	
		For 4,500 PSI Concrete, Add	143.20	
		For 5,000 PSI Concrete, Add	214.79	
03 41 16 00-0041	CY	Precast Combination Deck, 5" Slab With Beams Edge Beam + 1 Interim Beam, 3,000 PSI Concrete.....	3,712.48	
		For 3,500 PSI Concrete, Add	74.25	
		For 4,000 PSI Concrete, Add	111.37	
		For 4,500 PSI Concrete, Add	148.50	
		For 5,000 PSI Concrete, Add	222.75	
03 41 16 00-0042	CY	Precast Combination Deck, 5" Slab With Beams Edge Beam + 2 Interim Beam, 3,000 PSI Concrete.....	4,728.99	
		For 3,500 PSI Concrete, Add	94.58	
		For 4,000 PSI Concrete, Add	141.87	
		For 4,500 PSI Concrete, Add	189.16	
		For 5,000 PSI Concrete, Add	283.74	

03 41 16 00-0043 6" Slab (03 41 16 00-0034)

03 41 16 00-0044	CY	Precast Combination Deck, 6" Slab With Beams Edge Beam Only, 3,000 PSI Concrete.....	3,712.48	
		For 3,500 PSI Concrete, Add	74.25	
		For 4,000 PSI Concrete, Add	111.37	
		For 4,500 PSI Concrete, Add	148.50	
		For 5,000 PSI Concrete, Add	222.75	
03 41 16 00-0045	CY	Precast Combination Deck, 6" Slab With Beams Edge Beam + 1 Interim Beam, 3,000 PSI Concrete.....	4,419.61	
		For 3,500 PSI Concrete, Add	88.39	
		For 4,000 PSI Concrete, Add	132.59	
		For 4,500 PSI Concrete, Add	176.78	
		For 5,000 PSI Concrete, Add	265.18	
03 41 16 00-0046	CY	Precast Combination Deck, 6" Slab With Beams Edge Beam + 2 Interim Beam, 3,000 PSI Concrete.....	5,391.93	
		For 3,500 PSI Concrete, Add	107.84	
		For 4,000 PSI Concrete, Add	161.76	
		For 4,500 PSI Concrete, Add	215.68	
		For 5,000 PSI Concrete, Add	323.52	

03 41 19 Precast Concrete Wall Panels (03 41)**03 41 19 00-0001 Structural Wall Panels** (03 41 19)

Note: Gray, smooth form or board finish one side.

03 41 19 00-0002 Erection Cost Using 50 Ton Hydraulic Crane (03 41 19 00-0001)

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking of joints.

03 41 19 00-0003	EA	Erect Precast Wall Panel 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane.....	357.53	286.05
03 41 19 00-0004	EA	Erect Precast Wall Panel 1-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane.....	397.46	317.91
03 41 19 00-0005	EA	Erect Precast Wall Panel 3-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane.....	447.41	357.95
03 41 19 00-0006	EA	Erect Precast Wall Panel 5-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane.....	478.80	383.03
03 41 19 00-0007	EA	Erect Precast Wall Panel 7-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane.....	511.72	409.38
03 41 19 00-0008	EA	Erect Precast Wall Panel 9-11 Ton/Piece 30' Maximum Radius With 50 Ton Crane.....	549.50	439.57
03 41 19 00-0009	EA	Erect Precast Wall Panel 11-13 Ton/Piece 25' Maximum Radius With 50 Ton Crane.....	597.63	478.08
03 41 19 00-0010	EA	Erect Precast Wall Panel 13-15 Ton/Piece 23' Maximum Radius With 50 Ton Crane.....	649.80	519.91

03 41 19 00-0011 Erection Cost Using 90 Ton Crawler Crane (03 41 19 00-0001)

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking of joints.

03 41 19 00-0012	EA	Erect Precast Wall Panel 0-1 Ton/Piece 180' Maximum Radius With 90 Ton Crane.....	401.74	321.36
03 41 19 00-0013	EA	Erect Precast Wall Panel 1-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane.....	446.60	357.26
03 41 19 00-0014	EA	Erect Precast Wall Panel 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane.....	502.73	402.24
03 41 19 00-0015	EA	Erect Precast Wall Panel 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane.....	538.01	430.35
03 41 19 00-0016	EA	Erect Precast Wall Panel 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane.....	574.99	459.99
03 41 19 00-0017	EA	Erect Precast Wall Panel 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane.....	617.44	493.98
03 41 19 00-0018	EA	Erect Precast Wall Panel 11-13 Ton/Piece 50' Maximum Radius With 90 Ton Crane.....	671.53	537.17
03 41 19 00-0019	EA	Erect Precast Wall Panel 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane.....	730.15	584.07
03 41 19 00-0020	EA	Erect Precast Wall Panel 15-20 Ton/Piece 36' Maximum Radius With 90 Ton Crane.....	807.01	645.66
03 41 19 00-0021	EA	Erect Precast Wall Panel 20-25 Ton/Piece 31' Maximum Radius With 90 Ton Crane.....	893.20	714.53
03 41 19 00-0022	EA	Erect Precast Wall Panel 25-30 Ton/Piece 26' Maximum Radius With 90 Ton Crane.....	1,010.98	808.82
03 41 19 00-0023	EA	Erect Precast Wall Panel 30-35 Ton/Piece 25' Maximum Radius With 90 Ton Crane.....	1,149.99	919.99
03 41 19 00-0024	EA	Erect Precast Wall Panel 35-40 Ton/Piece 23' Maximum Radius With 90 Ton Crane.....	1,333.32	1,066.68

Concrete			03	03
Precast Concrete			03 40	
Precast Structural Concrete			03 41	
TOTAL DIRECT			DEMOLITION	
UNIT COST			UNIT COST	

03 41 19 00-0025

Material Cost (03 41 19 00-0001)

Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operations.

03 41 19 00-0026	SF	4" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect.....	44.20	
		For 3,500 PSI Concrete, Add	0.88	
		For 4,000 PSI Concrete, Add	1.33	
		For 4,500 PSI Concrete, Add	1.77	
		For 5,000 PSI Concrete, Add	2.65	
		For White Facing, Add	8.84	
		For Solid White Through Thickness, Add	8.84	
		For Broken Rib Finish, Add	4.42	
		For Fluted Surface, Add	4.42	
		For Exposed Aggregate, Add	8.84	
		For Sandblasting Of Surface, Add	4.42	
		For 2" Polystyrene Insulation, Add	2.19	
03 41 19 00-0027	SF	5" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect.....	54.36	
		For 3,500 PSI Concrete, Add	1.09	
		For 4,000 PSI Concrete, Add	1.63	
		For 4,500 PSI Concrete, Add	2.17	
		For 5,000 PSI Concrete, Add	3.26	
		For White Facing, Add	10.87	
		For Solid White Through Thickness, Add	10.87	
		For Broken Rib Finish, Add	5.44	
		For Fluted Surface, Add	5.44	
		For Exposed Aggregate, Add	10.87	
		For Sandblasting Of Surface, Add	5.44	
		For 2" Polystyrene Insulation, Add	2.19	
03 41 19 00-0028	SF	6" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect.....	65.41	
		For 3,500 PSI Concrete, Add	1.31	
		For 4,000 PSI Concrete, Add	1.96	
		For 4,500 PSI Concrete, Add	2.62	
		For 5,000 PSI Concrete, Add	3.92	
		For White Facing, Add	13.08	
		For Solid White Through Thickness, Add	13.08	
		For Broken Rib Finish, Add	6.54	
		For Fluted Surface, Add	6.54	
		For Exposed Aggregate, Add	13.08	
		For Sandblasting Of Surface, Add	6.54	
		For 2" Polystyrene Insulation, Add	2.19	
03 41 19 00-0029	SF	8" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect.....	86.18	
		For 3,500 PSI Concrete, Add	1.72	
		For 4,000 PSI Concrete, Add	2.59	
		For 4,500 PSI Concrete, Add	3.45	
		For 5,000 PSI Concrete, Add	5.17	
		For White Facing, Add	17.24	
		For Solid White Through Thickness, Add	17.24	
		For Broken Rib Finish, Add	8.62	
		For Fluted Surface, Add	8.62	
		For Exposed Aggregate, Add	17.24	
		For Sandblasting Of Surface, Add	8.62	
		For 2" Polystyrene Insulation, Add	2.19	

03 41 19 00-0030

Partition Panels (03 41 19)

03 41 19 00-0031

Erection Costs Using 20 Ton Hydraulic Crane (03 41 19 00-0030)

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 19 00-0032	EA	Erect Precast Partition Wall 0-1 Ton/Piece 69' Maximum Radius With 20 Ton Crane.....	285.40	228.28
03 41 19 00-0033	EA	Erect Precast Partition Wall 1-2 Ton/Piece 50' Maximum Radius With 20 Ton Crane.....	317.26	253.84
03 41 19 00-0034	EA	Erect Precast Partition Wall 2-3 Ton/Piece 41' Maximum Radius With 20 Ton Crane.....	357.14	285.70
03 41 19 00-0035	EA	Erect Precast Partition Wall 3-4 Ton/Piece 33' Maximum Radius With 20 Ton Crane.....	408.48	326.78
03 41 19 00-0036	EA	Erect Precast Partition Wall 4-5 Ton/Piece 30' Maximum Radius With 20 Ton Crane.....	438.64	350.95
03 41 19 00-0037	EA	Erect Precast Partition Wall 5-6 Ton/Piece 26' Maximum Radius With 20 Ton Crane.....	477.06	381.63
03 41 19 00-0038	EA	Erect Precast Partition Wall 6-7 Ton/Piece 23' Maximum Radius With 20 Ton Crane.....	518.71	415.02
03 41 19 00-0039	EA	Erect Precast Partition Wall 7-8 Ton/Piece 20' Maximum Radius With 20 Ton Crane.....	573.30	458.66

03 41 19 00-0040

Erection Costs Using 50 Ton Hydraulic Crane (03 41 19 00-0030)

Note: Includes handling, hoisting in place, alignment, bracing and permanent connections. Excludes grouting or caulking of joints.

03 41 19 00-0041	EA	Erect Precast Partition Wall 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane.....	357.53	286.05
03 41 19 00-0042	EA	Erect Precast Partition Wall 1-2 Ton/Piece 82' Maximum Radius With 50 Ton Crane.....	397.46	317.91
03 41 19 00-0043	EA	Erect Precast Partition Wall 2-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane.....	447.41	357.95
03 41 19 00-0044	EA	Erect Precast Partition Wall 3-4 Ton/Piece 57' Maximum Radius With 50 Ton Crane.....	511.72	409.38
03 41 19 00-0045	EA	Erect Precast Partition Wall 4-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane.....	549.50	439.57
03 41 19 00-0046	EA	Erect Precast Partition Wall 5-6 Ton/Piece 44' Maximum Radius With 50 Ton Crane.....	597.63	478.08
03 41 19 00-0047	EA	Erect Precast Partition Wall 6-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane.....	649.80	519.91
03 41 19 00-0048	EA	Erect Precast Partition Wall 7-8 Ton/Piece 36' Maximum Radius With 50 Ton Crane.....	718.20	574.54
03 41 19 00-0049	EA	Erect Precast Partition Wall 8-10 Ton/Piece 31' Maximum Radius With 50 Ton Crane.....	794.90	635.95
03 41 19 00-0050	EA	Erect Precast Partition Wall 10-12 Ton/Piece 26' Maximum Radius With 50 Ton Crane.....	899.73	719.74
03 41 19 00-0051	EA	Erect Precast Partition Wall 12-14 Ton/Piece 25' Maximum Radius With 50 Ton Crane.....	1,023.44	818.76
03 41 19 00-0052	EA	Erect Precast Partition Wall 14-16 Ton/Piece 21' Maximum Radius With 50 Ton Crane.....	1,186.60	949.25

03 41 19 00-0053

Material Cost (03 41 19 00-0030)

Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operations.

03 Concrete**03 40 Precast Concrete****03 41 Precast Structural Concrete**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 41 19 00-0054	SF	4" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect.....	41.99	
		For 4,000 PSI Concrete, Add	1.26	
		For 4,500 PSI Concrete, Add	1.68	
		For 5,000 PSI Concrete, Add	2.52	
		For White Facing, Add	8.40	
		For Solid White Through Thickness, Add	8.40	
		For Broken Rib Finish, Add	4.20	
		For Fluted Surface, Add	4.20	
		For Exposed Aggregate, Add	8.40	
		For Sandblasting Of Surface, Add	4.20	
03 41 19 00-0055	SF	5" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect.....	51.71	
		For 4,000 PSI Concrete, Add	1.55	
		For 4,500 PSI Concrete, Add	2.07	
		For 5,000 PSI Concrete, Add	3.10	
		For White Facing, Add	10.34	
		For Solid White Through Thickness, Add	10.34	
		For Broken Rib Finish, Add	5.17	
		For Fluted Surface, Add	5.17	
		For Exposed Aggregate, Add	10.34	
		For Sandblasting Of Surface, Add	5.17	
03 41 19 00-0056	SF	6" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect.....	61.87	
		For 4,000 PSI Concrete, Add	1.86	
		For 4,500 PSI Concrete, Add	2.47	
		For 5,000 PSI Concrete, Add	3.71	
		For White Facing, Add	12.37	
		For Solid White Through Thickness, Add	12.37	
		For Broken Rib Finish, Add	6.19	
		For Fluted Surface, Add	6.19	
		For Exposed Aggregate, Add	12.37	
		For Sandblasting Of Surface, Add	6.19	
03 41 19 00-0057	SF	8" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect.....	81.76	
		For 4,000 PSI Concrete, Add	2.45	
		For 4,500 PSI Concrete, Add	3.27	
		For 5,000 PSI Concrete, Add	4.91	
		For White Facing, Add	16.35	
		For Solid White Through Thickness, Add	16.35	
		For Broken Rib Finish, Add	8.18	
		For Fluted Surface, Add	8.18	
		For Exposed Aggregate, Add	16.35	
		For Sandblasting Of Surface, Add	8.18	

03 41 19 00-0058 Cladding Panels (03 41 19)**03 41 19 00-0059 Erection Costs Using 50 Ton Hydraulic Crane** (03 41 19 00-0058)

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 19 00-0060	EA	Erect Precast Cladding 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane.....	377.30	301.79
03 41 19 00-0061	EA	Erect Precast Cladding 1-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane.....	422.04	337.61
03 41 19 00-0062	EA	Erect Precast Cladding 3-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane.....	478.80	383.03
03 41 19 00-0063	EA	Erect Precast Cladding 5-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane.....	511.72	409.38
03 41 19 00-0064	EA	Erect Precast Cladding 7-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane.....	549.50	439.57
03 41 19 00-0065	EA	Erect Precast Cladding 9-11 Ton/Piece 30' Maximum Radius With 50 Ton Crane.....	597.63	478.08
03 41 19 00-0066	EA	Erect Precast Cladding 11-13 Ton/Piece 25' Maximum Radius With 50 Ton Crane.....	649.80	519.91
03 41 19 00-0067	EA	Erect Precast Cladding 13-15 Ton/Piece 23' Maximum Radius With 50 Ton Crane.....	718.20	574.54

03 41 19 00-0068 Erection Costs Using 90 Ton Crawler Crane (03 41 19 00-0058)

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 19 00-0069	EA	Erect Precast Cladding 0-1 Ton/Piece 180' Maximum Radius With 90 Ton Crane.....	423.96	339.12
03 41 19 00-0070	EA	Erect Precast Cladding 1-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane.....	474.22	379.37
03 41 19 00-0071	EA	Erect Precast Cladding 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane.....	538.01	430.35
03 41 19 00-0072	EA	Erect Precast Cladding 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane.....	574.99	459.99
03 41 19 00-0073	EA	Erect Precast Cladding 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane.....	617.44	493.98
03 41 19 00-0074	EA	Erect Precast Cladding 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane.....	671.53	537.17
03 41 19 00-0075	EA	Erect Precast Cladding 11-13 Ton/Piece 90' Maximum Radius With 90 Ton Crane.....	730.15	584.07
03 41 19 00-0076	EA	Erect Precast Cladding 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane.....	807.01	645.66
03 41 19 00-0077	EA	Erect Precast Cladding 15-20 Ton/Piece 36' Maximum Radius With 90 Ton Crane.....	893.20	714.53
03 41 19 00-0078	EA	Erect Precast Cladding 20-25 Ton/Piece 31' Maximum Radius With 90 Ton Crane.....	1,010.98	808.82
03 41 19 00-0079	EA	Erect Precast Cladding 25-30 Ton/Piece 26' Maximum Radius With 90 Ton Crane.....	1,149.99	919.99
03 41 19 00-0080	EA	Erect Precast Cladding 30-35 Ton/Piece 25' Maximum Radius With 90 Ton Crane.....	1,333.32	1,066.68

03 41 19 00-0081 Material Cost (03 41 19 00-0058)

Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast plant operations.

03 41 19 00-0082	SF	4" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect.....	41.99	
		For 3,500 PSI Concrete, Add	0.84	
		For 4,000 PSI Concrete, Add	1.26	
		For 4,500 PSI Concrete, Add	1.68	
		For 5,000 PSI Concrete, Add	2.52	
		For White Facing, Add	8.40	
		For Solid White Through Thickness, Add	8.40	
		For Broken Rib Finish, Add	4.20	
		For Fluted Surface, Add	4.20	
		For Exposed Aggregate, Add	8.40	
		For Sandblasting Of Surface, Add	4.20	

			Concrete	03	3
			Precast Concrete	03 40	
			Precast Structural Concrete	03 41	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST

03 41 19 00-0083	SF		5" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect.....	51.71	
			For 3,500 PSI Concrete, Add	1.03	
			For 4,000 PSI Concrete, Add	1.55	
			For 4,500 PSI Concrete, Add	2.07	
			For 5,000 PSI Concrete, Add	3.10	
			For White Facing, Add	10.34	
			For Solid White Through Thickness, Add	10.34	
			For Broken Rib Finish, Add	5.17	
			For Fluted Surface, Add	5.17	
			For Exposed Aggregate, Add	10.34	
			For Sandblasting Of Surface, Add	5.17	
03 41 19 00-0084	SF		6" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect.....	61.87	
			For 3,500 PSI Concrete, Add	1.24	
			For 4,000 PSI Concrete, Add	1.86	
			For 4,500 PSI Concrete, Add	2.47	
			For 5,000 PSI Concrete, Add	3.71	
			For White Facing, Add	12.37	
			For Solid White Through Thickness, Add	12.37	
			For Broken Rib Finish, Add	6.19	
			For Fluted Surface, Add	6.19	
			For Exposed Aggregate, Add	12.37	
			For Sandblasting Of Surface, Add	6.19	
03 41 19 00-0085	SF		8" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect.....	81.76	
			For 3,500 PSI Concrete, Add	1.64	
			For 4,000 PSI Concrete, Add	2.45	
			For 4,500 PSI Concrete, Add	3.27	
			For 5,000 PSI Concrete, Add	4.91	
			For White Facing, Add	16.35	
			For Solid White Through Thickness, Add	16.35	
			For Broken Rib Finish, Add	8.18	
			For Fluted Surface, Add	8.18	
			For Exposed Aggregate, Add	16.35	
			For Sandblasting Of Surface, Add	8.18	

03 41 19 00-0086 Sandwich Panel (03 41 19)

03 41 19 00-0087 Erection Costs Using 50 Ton Hydraulic Crane (03 41 19 00-0086)

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 19 00-0088	EA		Erect Precast Sandwich Panel 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane	377.30	301.79
03 41 19 00-0089	EA		Erect Precast Sandwich Panel 1-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane	422.04	337.61
03 41 19 00-0090	EA		Erect Precast Sandwich Panel 3-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane	478.80	383.03
03 41 19 00-0091	EA		Erect Precast Sandwich Panel 5-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane	511.72	409.38
03 41 19 00-0092	EA		Erect Precast Sandwich Panel 7-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane	549.50	439.57
03 41 19 00-0093	EA		Erect Precast Sandwich Panel 9-11 Ton/Piece 30' Maximum Radius With 50 Ton Crane	597.63	478.08
03 41 19 00-0094	EA		Erect Precast Sandwich Panel 11-13 Ton/Piece 25' Maximum Radius With 50 Ton Crane	649.80	519.91
03 41 19 00-0095	EA		Erect Precast Sandwich Panel 13-15 Ton/Piece 23' Maximum Radius With 50 Ton Crane	718.20	574.54

03 41 19 00-0096 Erection Costs Using 90 Ton Crawler Crane (03 41 19 00-0086)

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 19 00-0097	EA		Erect Precast Sandwich Panel 0-1 Ton/Piece 180' Maximum Radius With 90 Ton Crane	383.68	306.89
03 41 19 00-0098	EA		Erect Precast Sandwich Panel 1-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	429.18	343.32
03 41 19 00-0099	EA		Erect Precast Sandwich Panel 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane	486.90	389.50
03 41 19 00-0100	EA		Erect Precast Sandwich Panel 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	520.37	416.30
03 41 19 00-0101	EA		Erect Precast Sandwich Panel 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	558.79	447.00
03 41 19 00-0102	EA		Erect Precast Sandwich Panel 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane	607.73	486.17
03 41 19 00-0103	EA		Erect Precast Sandwich Panel 11-13 Ton/Piece 50' Maximum Radius With 90 Ton Crane	660.79	528.70
03 41 19 00-0104	EA		Erect Precast Sandwich Panel 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane	730.35	584.26
03 41 19 00-0105	EA		Erect Precast Sandwich Panel 15-20 Ton/Piece 36' Maximum Radius With 90 Ton Crane	808.35	646.70
03 41 19 00-0106	EA		Erect Precast Sandwich Panel 20-25 Ton/Piece 31' Maximum Radius With 90 Ton Crane	914.94	731.91
03 41 19 00-0107	EA		Erect Precast Sandwich Panel 25-30 Ton/Piece 26' Maximum Radius With 90 Ton Crane	1,040.75	832.60
03 41 19 00-0108	EA		Erect Precast Sandwich Panel 30-35 Ton/Piece 25' Maximum Radius With 90 Ton Crane	1,206.66	965.30

03 41 19 00-0109 Material Cost (03 41 19 00-0086)

Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast plant operations. Sandwich panel consists of 2.5" cladding panel, 2" fiber board insulation and the structural panel as defined.

03 41 19 00-0110	SF		4" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	57.45	
			For 3,500 PSI Concrete, Add	1.15	
			For 4,000 PSI Concrete, Add	1.72	
			For 4,500 PSI Concrete, Add	2.30	
			For 5,000 PSI Concrete, Add	3.45	
			For White Facing, Add	11.49	
			For Solid White Through Thickness, Add	11.49	
			For Broken Rib Finish, Add	5.75	
			For Fluted Surface, Add	5.75	
			For Exposed Aggregate, Add	11.49	
			For Sandblasting Of Surface, Add	5.75	

03 Concrete**03 40 Precast Concrete****03 41 Precast Structural Concrete**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 41 19 00-0111	SF	5" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	67.62	
		For 3,500 PSI Concrete, Add	1.35	
		For 4,000 PSI Concrete, Add	2.03	
		For 4,500 PSI Concrete, Add	2.70	
		For 5,000 PSI Concrete, Add	4.06	
		For White Facing, Add	13.52	
		For Solid White Through Thickness, Add	13.52	
		For Broken Rib Finish, Add	6.76	
		For Fluted Surface, Add	6.76	
		For Exposed Aggregate, Add	13.52	
		For Sandblasting Of Surface, Add	6.76	
03 41 19 00-0112	SF	6" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	78.67	
		For 3,500 PSI Concrete, Add	1.57	
		For 4,000 PSI Concrete, Add	2.36	
		For 4,500 PSI Concrete, Add	3.15	
		For 5,000 PSI Concrete, Add	4.72	
		For White Facing, Add	15.73	
		For Solid White Through Thickness, Add	15.73	
		For Broken Rib Finish, Add	7.87	
		For Fluted Surface, Add	7.87	
		For Exposed Aggregate, Add	15.73	
		For Sandblasting Of Surface, Add	7.87	
03 41 19 00-0113	SF	8" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	99.44	
		For 3,500 PSI Concrete, Add	1.99	
		For 4,000 PSI Concrete, Add	2.98	
		For 4,500 PSI Concrete, Add	3.98	
		For 5,000 PSI Concrete, Add	5.97	
		For White Facing, Add	19.89	
		For Solid White Through Thickness, Add	19.89	
		For Broken Rib Finish, Add	9.94	
		For Fluted Surface, Add	9.94	
		For Exposed Aggregate, Add	19.89	
		For Sandblasting Of Surface, Add	9.94	

03 41 23 Precast Concrete Stairs (03 41)**03 41 23 00-0001 Erection Costs Using A 50 Ton Hydraulic Crane (03 41 23)**

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 23 00-0002	EA	Erect Precast Stairs, 0-2 Ton/Piece 82' Maximum Radius With 50 Ton Crane	397.46	317.91
03 41 23 00-0003	EA	Erect Precast Stairs, 2-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane	422.04	337.61
03 41 23 00-0004	EA	Erect Precast Stairs, 3-4 Ton/Piece 57' Maximum Radius With 50 Ton Crane	447.41	357.95
03 41 23 00-0005	EA	Erect Precast Stairs, 4-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane	478.80	383.03
03 41 23 00-0006	EA	Erect Precast Stairs, 5-6 Ton/Piece 44' Maximum Radius With 50 Ton Crane	511.72	409.38
03 41 23 00-0007	EA	Erect Precast Stairs, 6-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane	549.50	439.57
03 41 23 00-0008	EA	Erect Precast Stairs, 7-8 Ton/Piece 36' Maximum Radius With 50 Ton Crane	597.63	478.08
03 41 23 00-0009	EA	Erect Precast Stairs, 8-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane	649.80	519.91

03 41 23 00-0010 Erection Costs Using A 90 Ton Crawler Crane (03 41 23)

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 23 00-0011	EA	Erect Precast Stairs, 0-2 Ton/Piece 151' Maximum Radius With 90 Ton Crane	397.46	317.91
03 41 23 00-0012	EA	Erect Precast Stairs, 2-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	422.04	337.61
03 41 23 00-0013	EA	Erect Precast Stairs, 3-4 Ton/Piece 105' Maximum Radius With 90 Ton Crane	447.41	357.95
03 41 23 00-0014	EA	Erect Precast Stairs, 4-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane	478.80	383.03
03 41 23 00-0015	EA	Erect Precast Stairs, 5-6 Ton/Piece 82' Maximum Radius With 90 Ton Crane	511.72	409.38
03 41 23 00-0016	EA	Erect Precast Stairs, 6-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	549.50	439.57
03 41 23 00-0017	EA	Erect Precast Stairs, 7-8 Ton/Piece 70' Maximum Radius With 90 Ton Crane	597.63	478.08
03 41 23 00-0018	EA	Erect Precast Stairs, 8-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	649.80	519.91

03 41 23 00-0019 Material Cost (03 41 23)

Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast operations.

03 41 23 00-0020	EA	3' Wide With 10-1/2" Depth Treads Precast Concrete Stair Unit, Per Riser	885.74	
		For 3,500 PSI Concrete, Add	115.59	
		For 4,000 PSI Concrete, Add	217.18	
		For 4,500 PSI Concrete, Add	319.22	
		For 5,000 PSI Concrete, Add	434.28	

03 41 26 Precast Concrete Structural Sections (03 41)**03 41 26 00-0001 Precast Beams, Girder And Joists (03 41 26)****03 41 26 00-0002 Erection Costs Using A 90 Ton Crawler Crane (03 41 26 00-0001)**

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 26 00-0003	EA	Erect Precast Structural Sections, 0-5 Ton/Piece Beam, Girder, Joist; 89' Maximum Radius, 90 Ton Crane	502.73	402.24
03 41 26 00-0004	EA	Erect Precast Structural Sections, 5-10 Ton/Piece Beam, Girder, Joist; 60' Maximum Radius, 90 Ton Crane	538.01	430.35
03 41 26 00-0005	EA	Erect Precast Structural Sections, 10-15 Ton/Piece Beam, Girder, Joist; 43' Maximum Radius, 90 Ton Crane	574.99	459.99
03 41 26 00-0006	EA	Erect Precast Structural Sections, 15-20 Ton/Piece Beam, Girder, Joist; 36' Maximum Radius, 90 Ton Crane	617.44	493.98

03 41 26 00-0007 Erection Costs Using A 125 Ton Crawler Crane (03 41 26 00-0001)

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 26 00-0008	EA	Erect Precast Structural Sections, 0-5 Ton/Piece Beam, Girder, Joist; 110' Maximum Radius, 125 Ton Crane	635.33	508.23
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	Concrete	03	
	Precast Concrete	03 40	3
	Precast Structural Concrete	03 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 41 26 00-0009	EA	Erect Precast Structural Sections, 5-10 Ton/Piece Beam, Girder, Joist; 75' Maximum Radius, 125 Ton Crane	679.92	543.98
03 41 26 00-0010	EA	Erect Precast Structural Sections, 10-15 Ton/Piece Beam, Girder, Joist; 55' Maximum Radius, 125 Ton Crane	726.67	581.33
03 41 26 00-0011	EA	Erect Precast Structural Sections, 15-20 Ton/Piece Beam, Girder, Joist; 50' Maximum Radius, 125 Ton Crane	780.30	624.20
03 41 26 00-0012	EA	Erect Precast Structural Sections, 20-25 Ton/Piece Beam, Girder, Joist; 40' Maximum Radius, 125 Ton Crane	848.66	678.99
03 41 26 00-0013	EA	Erect Precast Structural Sections, 25-30 Ton/Piece Beam, Girder, Joist; 33' Maximum Radius, 125 Ton Crane	922.74	738.14
03 41 26 00-0014	EA	Erect Precast Structural Sections, 30-35 Ton/Piece Beam, Girder, Joist; 30' Maximum Radius, 125 Ton Crane	1,019.88	815.90
03 41 26 00-0015	EA	Erect Precast Structural Sections, 35-40 Ton/Piece Beam, Girder, Joist; 28' Maximum Radius, 125 Ton Crane	1,128.79	903.09

03 41 26 00-0016 **Material Cost** (03 41 26 00-0001)
Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast plant operations.

03 41 26 00-0017		1,000 Lb./LF Live Load (03 41 26 00-0016)		
03 41 26 00-0018	LF	Precast Structural Sections, 1,000 Lb./LF, 15' Span Live Load, Span, 3,000 PSI	177.12	
		For 3,500 PSI Concrete, Add	4.84	
		For 4,000 PSI Concrete, Add	7.26	
		For 4,500 PSI Concrete, Add	9.67	
		For 5,000 PSI Concrete, Add	14.52	
03 41 26 00-0019	LF	Precast Structural Sections, 1,000 Lb./LF, 20' Span Live Load, Span, 3,000 PSI	221.40	
		For 3,500 PSI Concrete, Add	6.04	
		For 4,000 PSI Concrete, Add	9.08	
		For 4,500 PSI Concrete, Add	12.09	
		For 5,000 PSI Concrete, Add	18.15	
03 41 26 00-0020	LF	Precast Structural Sections, 1,000 Lb./LF, 30' Span Live Load, Span, 3,000 PSI	265.68	
		For 3,500 PSI Concrete, Add	7.25	
		For 4,000 PSI Concrete, Add	10.89	
		For 4,500 PSI Concrete, Add	14.51	
		For 5,000 PSI Concrete, Add	21.79	

03 41 26 00-0021		3,000 Lb./LF Live Load (03 41 26 00-0016)		
03 41 26 00-0022	LF	Precast Structural Sections, 3,000 Lb./LF, 15' Span Live Load, Span, 3,000 PSI	221.40	
		For 3,500 PSI Concrete, Add	6.04	
		For 4,000 PSI Concrete, Add	9.08	
		For 4,500 PSI Concrete, Add	12.09	
		For 5,000 PSI Concrete, Add	18.15	
03 41 26 00-0023	LF	Precast Structural Sections, 3,000 Lb./LF, 20' Span Live Load, Span, 3,000 PSI	265.68	
		For 3,500 PSI Concrete, Add	7.25	
		For 4,000 PSI Concrete, Add	10.89	
		For 4,500 PSI Concrete, Add	14.51	
		For 5,000 PSI Concrete, Add	21.79	
03 41 26 00-0024	LF	Precast Structural Sections, 3,000 Lb./LF, 30' Span Live Load, Span, 3,000 PSI	354.24	
		For 3,500 PSI Concrete, Add	9.67	
		For 4,000 PSI Concrete, Add	14.52	
		For 4,500 PSI Concrete, Add	19.34	
		For 5,000 PSI Concrete, Add	29.05	

03 41 26 00-0025		5,000 Lb./LF Live Load (03 41 26 00-0016)		
03 41 26 00-0026	LF	Precast Structural Sections, 5,000 Lb./LF, 15' Span Live Load, Span, 3,000 PSI	309.96	
		For 3,500 PSI Concrete, Add	8.46	
		For 4,000 PSI Concrete, Add	12.71	
		For 4,500 PSI Concrete, Add	16.92	
		For 5,000 PSI Concrete, Add	25.42	
03 41 26 00-0027	LF	Precast Structural Sections, 5,000 Lb./LF, 20' Span Live Load, Span, 3,000 PSI	354.24	
		For 3,500 PSI Concrete, Add	9.67	
		For 4,000 PSI Concrete, Add	14.52	
		For 4,500 PSI Concrete, Add	19.34	
		For 5,000 PSI Concrete, Add	29.05	
03 41 26 00-0028	LF	Precast Structural Sections, 5,000 Lb./LF, 30' Span Live Load, Span, 3,000 PSI	442.80	
		For 3,500 PSI Concrete, Add	12.09	
		For 4,000 PSI Concrete, Add	18.15	
		For 4,500 PSI Concrete, Add	24.18	
		For 5,000 PSI Concrete, Add	36.31	

03 41 26 00-0029 **Precast Concrete Columns** (03 41 26)

03 41 26 00-0030		Erection Costs Using A 90 Ton Crawler Crane (03 41 26 00-0029)		
		Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 26 00-0031	EA	Erect Precast Concrete Columns, 0-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	291.12	232.87
03 41 26 00-0032	EA	Erect Precast Concrete Columns, 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane	309.52	247.56
03 41 26 00-0033	EA	Erect Precast Concrete Columns, 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	331.71	265.39
03 41 26 00-0034	EA	Erect Precast Concrete Columns, 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	355.81	284.65
03 41 26 00-0035	EA	Erect Precast Concrete Columns, 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane	383.68	306.89
03 41 26 00-0036	EA	Erect Precast Concrete Columns, 11-13 Ton/Piece 50' Maximum Radius With 90 Ton Crane	416.30	333.04
03 41 26 00-0037	EA	Erect Precast Concrete Columns, 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane	454.97	364.00

03 41 26 00-0038 **Material Cost** (03 41 26 00-0029)
Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast operations.

03 41 26 00-0039 **12" x 12" Column, Square, Tied** (03 41 26 00-0038)

03 Concrete**03 40 Precast Concrete****03 41 Precast Structural Concrete**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 41 26 00-0040	CY	12" x 12" Precast Column, Tied, Average Reinforced 351 Lb./CY.....	916.75	
		For 3,500 PSI Concrete, Add	68.76	
		For 4,000 PSI Concrete, Add	129.26	
		For 4,500 PSI Concrete, Add	190.68	
		For 5,000 PSI Concrete, Add	259.44	
03 41 26 00-0041		16" x 16" Column, Square, Tied (03 41 26 00-0038)		
03 41 26 00-0042	CY	16" x 16" Precast Column, Tied, Average Reinforced 368 Lb./CY.....	939.38	
		For 3,500 PSI Concrete, Add	70.45	
		For 4,000 PSI Concrete, Add	132.45	
		For 4,500 PSI Concrete, Add	195.39	
		For 5,000 PSI Concrete, Add	265.84	
03 41 26 00-0043		20" x 20" Column, Square, Tied (03 41 26 00-0038)		
03 41 26 00-0044	CY	20" x 20" Precast Column, Tied, Average Reinforced 357 Lb./CY.....	941.20	
		For 3,500 PSI Concrete, Add	70.59	
		For 4,000 PSI Concrete, Add	132.71	
		For 4,500 PSI Concrete, Add	195.77	
		For 5,000 PSI Concrete, Add	266.36	
03 41 26 00-0045		24" x 24" Column, Square, Tied (03 41 26 00-0038)		
03 41 26 00-0046	CY	24" x 24" Precast Column, Tied, Average Reinforced 365 Lb./CY.....	941.20	
		For 3,500 PSI Concrete, Add	70.59	
		For 4,000 PSI Concrete, Add	132.71	
		For 4,500 PSI Concrete, Add	195.77	
		For 5,000 PSI Concrete, Add	266.36	
03 41 26 00-0047		28" x 28" Column, Square, Tied (03 41 26 00-0038)		
03 41 26 00-0048	CY	28" x 28" Precast Column, Tied, Average Reinforced 347 Lb./CY.....	941.20	
		For 3,500 PSI Concrete, Add	70.59	
		For 4,000 PSI Concrete, Add	132.71	
		For 4,500 PSI Concrete, Add	195.77	
		For 5,000 PSI Concrete, Add	266.36	
03 41 26 00-0049		32" x 32" Column, Square, Tied (03 41 26 00-0038)		
03 41 26 00-0050	CY	32" x 32" Precast Column, Tied, Average Reinforced 351 Lb./CY.....	939.38	
		For 3,500 PSI Concrete, Add	70.45	
		For 4,000 PSI Concrete, Add	132.45	
		For 4,500 PSI Concrete, Add	195.39	
		For 5,000 PSI Concrete, Add	265.84	
03 41 26 00-0051		36" x 36" Column, Square, Tied (03 41 26 00-0038)		
03 41 26 00-0052	CY	36" x 36" Precast Column, Tied, Average Reinforced 278 Lb./CY.....	941.20	
		For 3,500 PSI Concrete, Add	70.59	
		For 4,000 PSI Concrete, Add	132.71	
		For 4,500 PSI Concrete, Add	195.77	
		For 5,000 PSI Concrete, Add	266.36	
03 41 33		Precast Structural Pretensioned Concrete (03 41)		
03 41 33 00-0001		Slabs, Roof And Floor Members (03 41 33)		
03 41 33 00-0002	SF	4" Thick Precast Prestressed Slab, 12-16' Span Roof/Floor.....	18.67	2.39
03 41 33 00-0003	SF	6" Thick Precast Prestressed Slab, 16-25' Span Roof/Floor.....	23.27	2.39
03 41 33 00-0004	SF	8" Thick Precast Prestressed Slab, 25-32' Span Roof/Floor.....	27.89	2.51
03 41 33 00-0005	SF	10" Thick Precast Prestressed Slab, 32-40' Span Roof/Floor.....	32.52	2.63
03 41 33 00-0006		Tee Members (03 41 33)		
03 41 33 00-0007		Multiple Tee, Roof And Floor (03 41 33 00-0006)		
03 41 33 00-0008	SF	Prestressed Multiple Tee, Roof And Floor Members.....	41.99	3.11
03 41 33 00-0009		Double Tee Wall Member (03 41 33 00-0006)		
03 41 33 00-0010	SF	Prestressed Double Tee Wall Members Precast Concrete, <40' Span.....	59.32	8.47
03 41 33 00-0011		Single Tee, Short Span, Roof Members (03 41 33 00-0006)		
03 41 33 00-0012	SF	Prestressed Single Tee, Short Span Roof Precast Concrete Members, <40' Span.....	49.32	5.13
03 41 33 00-0013		Single Tee, Long Span, Roof Members (03 41 33 00-0006)		
03 41 33 00-0014	SF	Prestressed Single Tee, Long Span Roof Precast Concrete Members, <40' Span.....	59.23	4.41
03 41 33 00-0015		Prestressed Concrete Items (03 41 33)		
03 41 33 00-0016		Prestressed Quad Tee (03 41 33 00-0015)		
03 41 33 00-0017	SF	Tees, Prestressed Quad Tee, Short Spans, Roof.....	30.43	0.95

			Concrete	03	CS
			Precast Concrete	03 40	
			Precast Structural Concrete	03 41	
MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
			UNIT COST	UNIT COST	
03 41 33 00-0018	SF	Tees, Prestressed Quad Tee, Short Spans, Floor	31.76	0.95	
03 41 33 00-0019		Prestressed Double Tee (03 41 33 00-0015)			
03 41 33 00-0020	SF	Tees, Double Tee, Floor Members , 60' Span	50.62	0.84	
03 41 33 00-0021	SF	Tees, Double Tee, Floor Members , 80' Span	69.72	0.84	
03 41 33 00-0022	SF	Tees, Double Tee, Roof Members, 30' Span	34.53	1.43	
03 41 33 00-0023	SF	Tees, Double Tee, Roof Members, 50' Span	53.52	0.95	
03 41 33 00-0024	SF	Tees, Double Tee, Wall Members, Up To 55' High	37.40	1.90	
03 41 33 00-0025		Prestressed Single Tee (03 41 33 00-0015)			
03 41 33 00-0026	SF	Tees, Single Tee Roof Members, 40' Span	59.87	2.14	
03 41 33 00-0027	SF	Tees, Single Tee Roof Members, 80' Span	69.39	1.31	
03 41 33 00-0028	SF	Tees, Single Tee Roof Members, 100' Span	91.82	1.19	
03 41 33 00-0029	SF	Tees, Single Tee Roof Members, 120' Span	96.69	1.19	
03 41 33 00-0030		Prestressed Double Tee Floor Members (03 41 33 00-0015)			
03 41 33 00-0031	EA	Tees, Double Tees, Floor Members, Lightweight, 20" X 8' Wide, 45'	15,486.93	343.60	
03 41 33 00-0032	EA	Tees, Double Tees, Floor Members, Lightweight, 24" X 8' Wide, 50'	16,863.21	381.77	
03 41 33 00-0033	EA	Tees, Double Tees, Floor Members, Lightweight, 32" X 10' Wide, 60'	28,215.83	429.49	
03 41 33 00-0034	EA	Tees, Double Tees, Floor Members, Standard Weight, 12" X 8' Wide, 25'	6,059.19	312.46	
03 41 33 00-0035	EA	Tees, Double Tees, Floor Members, Standard Weight, 16" X 8' Wide, 25'	7,958.24	343.60	
03 41 33 00-0036	EA	Tees, Double Tees, Floor Members, Standard Weight, 18" X 8' Wide, 35'	10,172.56	343.60	
03 41 33 00-0037	EA	Tees, Double Tees, Floor Members, Standard Weight, 20" X 8' Wide, 45'	11,327.40	381.77	
03 41 33 00-0038	EA	Tees, Double Tees, Floor Members, Standard Weight, 24" X 8' Wide, 50'	14,487.03	429.49	
03 41 33 00-0039	EA	Tees, Double Tees, Floor Members, Standard Weight, 32" X 10' Wide, 60'	26,078.49	491.06	
03 41 33 00-0040		Prestressed Double Tee Roof Members (03 41 33 00-0015)			
03 41 33 00-0041	EA	Tees, Double Tees, Roof Members, Lightweight, 20" X 8' Wide, 45'	12,165.45	343.60	
03 41 33 00-0042	EA	Tees, Double Tees, Roof Members, Lightweight, 24" X 8' Wide, 50'	15,977.48	381.77	
03 41 33 00-0043	EA	Tees, Double Tees, Roof Members, Lightweight, 32" X 10' Wide, 60'	26,222.94	429.49	
03 41 33 00-0044	EA	Tees, Double Tees, Roof Members, Standard Weight, 12" X 8' Wide, 30'	8,140.65	312.46	
03 41 33 00-0045	EA	Tees, Double Tees, Roof Members, Standard Weight, 16" X 8' Wide, 30'	8,578.25	343.60	
03 41 33 00-0046	EA	Tees, Double Tees, Roof Members, Standard Weight, 18" X 8' Wide, 30'	9,508.26	343.60	
03 41 33 00-0047	EA	Tees, Double Tees, Roof Members, Standard Weight, 20" X 8' Wide, 40'	9,777.37	381.77	
03 41 33 00-0048	EA	Tees, Double Tees, Roof Members, Standard Weight, 24" X 8' Wide, 50'	12,937.01	429.49	
03 41 33 00-0049	EA	Tees, Double Tees, Roof Members, Standard Weight, 32" X 10' Wide, 60'	22,314.14	491.06	
03 41 33 00-0050		Plant Produced Pretensioned Prestressed Concrete Hollow Core Slab (03 41 33)			
03 41 33 00-0051	SF	Hollow Core Slab, 4" Slab, 12' - 16' Spans, Plant Produced Pretensioned Prestressed Concrete	32.17		
03 41 33 00-0052	SF	Hollow Core Slab, 6" Slab, 16' - 25' Spans, Plant Produced Pretensioned Prestressed Concrete	33.47		
03 41 33 00-0053	SF	Hollow Core Slab, 8" Slab, 25' - 30' Spans, Plant Produced Pretensioned Prestressed Concrete	35.03		
03 41 33 00-0054	SF	Hollow Core Slab, 10" Slab, 30' - 35' Spans, Plant Produced Pretensioned Prestressed Concrete	36.18		
03 41 33 00-0055	SF	Hollow Core Slab, 12" Slab, 35' - 40' Spans, Plant Produced Pretensioned Prestressed Concrete	38.66		
03 41 33 00-0056		Double And Single Tees (03 41 33)			
03 41 33 00-0057		Double And Single Tees With 16" Roof And Floor Loading (03 41 33 00-0056)			
03 41 33 00-0058	SF	Double Tee With 16" Roof Loading, 30' Span, Pretensioned Prestressed Concrete	38.86		
03 41 33 00-0059	SF	Double Tee With 16" Roof Loading, 40' Span, Pretensioned Prestressed Concrete	37.94		
03 41 33 00-0060	SF	Double Tee With 16" Roof Loading, 45' Span, Pretensioned Prestressed Concrete	35.83		
03 41 33 00-0061	SF	Double Tee With 16" Floor Loading, 30' Span, Pretensioned Prestressed Concrete	38.86		
03 41 33 00-0062	SF	Double Tee With 16" Floor Loading, 40' Span, Pretensioned Prestressed Concrete	38.74		
03 41 33 00-0063	SF	Single Tee With 16" Roof Loading, 30' Span, Pretensioned Prestressed Concrete	59.59		
03 41 33 00-0064	SF	Single Tee With 16" Roof Loading, 40' Span, Pretensioned Prestressed Concrete	58.27		
03 41 33 00-0065	SF	Single Tee With 16" Roof Loading, 45' Span, Pretensioned Prestressed Concrete	54.56		
03 41 33 00-0066	SF	Single Tee With 16" Floor Loading, 30' Span, Pretensioned Prestressed Concrete	59.59		
03 41 33 00-0067	SF	Single Tee With 16" Floor Loading, 40' Span, Pretensioned Prestressed Concrete	55.88		
03 41 33 00-0068		Double And Single Tees With 24" Roof And Floor Loading (03 41 33 00-0056)			
03 41 33 00-0069	SF	Double Tee With 24" Roof Loading, 30' Span, Pretensioned Prestressed Concrete	40.05		
03 41 33 00-0070	SF	Double Tee With 24" Roof Loading, 40' Span, Pretensioned Prestressed Concrete	39.14		
03 41 33 00-0071	SF	Double Tee With 24" Roof Loading, 45' Span, Pretensioned Prestressed Concrete	37.82		
03 41 33 00-0072	SF	Double Tee With 24" Floor Loading, 30' Span, Pretensioned Prestressed Concrete	40.05		
03 41 33 00-0073	SF	Double Tee With 24" Floor Loading, 40' Span, Pretensioned Prestressed Concrete	38.74		
03 41 33 00-0074	SF	Single Tee With 24" Roof Loading, 30' Span, Pretensioned Prestressed Concrete	61.18		
03 41 33 00-0075	SF	Single Tee With 24" Roof Loading, 40' Span, Pretensioned Prestressed Concrete	59.86		
03 41 33 00-0076	SF	Single Tee With 24" Roof Loading, 45' Span, Pretensioned Prestressed Concrete	57.75		
03 41 33 00-0077	SF	Single Tee With 24" Floor Loading, 30' Span, Pretensioned Prestressed Concrete	61.18		
03 41 33 00-0078	SF	Single Tee With 24" Floor Loading, 40' Span, Pretensioned Prestressed Concrete	59.47		
03 41 33 00-0079		Double And Single Tees With 32" Roof And Floor Loading (03 41 33 00-0056)			
03 41 33 00-0080	SF	Double Tee With 32" Roof Load, 50' Span, Pretensioned Prestressed Concrete	42.21		
03 41 33 00-0081	SF	Double Tee With 32" Roof Load, 60' Span, Pretensioned Prestressed Concrete	40.88		
03 41 33 00-0082	SF	Double Tee With 32" Roof Load, 70' Span, Pretensioned Prestressed Concrete	39.57		
03 41 33 00-0083	SF	Single Tee With 32" Roof Load, 50' Span, Pretensioned Prestressed Concrete	64.93		
03 41 33 00-0084	SF	Single Tee With 32" Roof Load, 60' Span, Pretensioned Prestressed Concrete	62.80		

03 Concrete**03 40 Precast Concrete****03 41 Precast Structural Concrete**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

03 41 33 00-0085 SF Single Tee With 32" Roof Load, 70' Span, Pretensioned Prestressed Concrete 60.29

03 48 Precast Concrete Specialties (03 40)**03 48 16 Precast Concrete Splash Blocks** (03 48)**03 48 16 00-0001 Precast Concrete Splash Blocks** (03 48 16)

03 48 16 00-0002 EA Precast Concrete Splash Blocks, 20" x 12" x 3" 41.10 4.03

03 48 21 Precast Concrete Handrails (03 48)**03 48 21 00-0001 Installation Cost** (03 48 21)

Note: Includes handling, hoisting into place, alignment, and permanent connections. Excludes grouting.

03 48 21 00-0002 EA Install Precast Handrails, 0-2 Ton/Handrail 163.08 73.41

03 48 21 00-0003 EA Install Precast Handrails, Over 2 Ton/Handrail 195.57 87.98

03 48 21 00-0004 Material Cost (03 48 21)

Note: Includes 3000 PSI concrete, imbedded items, formwork and precast operations.

03 48 21 00-0005 CY 4" Thick 3,000 PSI Concrete Precast Concrete Handrail 3,498.75

For 3,500 PSI Concrete, Add 228.29

For 4,000 PSI Concrete, Add 428.95

For 4,500 PSI Concrete, Add 630.47

For 5,000 PSI Concrete, Add 857.72

03 48 21 00-0006 CY 5" Thick 3,000 PSI Concrete Precast Concrete Handrail 3,631.61

For 3,500 PSI Concrete, Add 236.96

For 4,000 PSI Concrete, Add 445.24

For 4,500 PSI Concrete, Add 654.42

For 5,000 PSI Concrete, Add 890.29

03 48 21 00-0007 CY 6" Thick 3,000 PSI Concrete Precast Concrete Handrail 3,764.47

For 3,500 PSI Concrete, Add 245.63

For 4,000 PSI Concrete, Add 461.52

For 4,500 PSI Concrete, Add 678.36

For 5,000 PSI Concrete, Add 922.86

03 48 21 00-0008 CY 8" Thick 3,000 PSI Concrete Precast Concrete Handrail 3,941.62

For 3,500 PSI Concrete, Add 257.19

For 4,000 PSI Concrete, Add 483.24

For 4,500 PSI Concrete, Add 710.28

For 5,000 PSI Concrete, Add 966.29

03 48 22 Precast Concrete Sun Screen and Trellis (03 48)**03 48 22 00-0001 Sun Screen Blades** (03 48 22)**03 48 22 00-0002 Installation Cost** (03 48 22 00-0001)

Note: Includes handling, hoisting into place, alignment, bracing, and permanent connections.

03 48 22 00-0003 EA Install Precast Sun Screen Blade, 0-1 Ton/Each 81.54 36.70

03 48 22 00-0004 EA Install Precast Sun Screen Blade, 1-2 Ton/Each 97.95 44.05

03 48 22 00-0005 EA Install Precast Sun Screen Blade, 2-3 Ton/Each 122.39 55.12

03 48 22 00-0006 Material Cost (03 48 22 00-0001)

Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.

03 48 22 00-0007 CY 4" Thick 3,000 PSI Concrete Precast Sun Screen Blades 3,720.18

For 3,500 PSI Concrete, Add 242.74

For 4,000 PSI Concrete, Add 456.09

For 4,500 PSI Concrete, Add 670.38

For 5,000 PSI Concrete, Add 912.00

03 48 22 00-0008 CY 5" Thick 3,000 PSI Concrete Precast Sun Screen Blades 3,853.05

For 3,500 PSI Concrete, Add 251.41

For 4,000 PSI Concrete, Add 472.38

For 4,500 PSI Concrete, Add 694.32

For 5,000 PSI Concrete, Add 944.58

03 48 22 00-0009 CY 6" Thick 3,000 PSI Concrete Precast Sun Screen Blades 4,030.20

For 3,500 PSI Concrete, Add 262.97

For 4,000 PSI Concrete, Add 494.10

For 4,500 PSI Concrete, Add 726.24

For 5,000 PSI Concrete, Add 988.00

03 48 22 00-0010 CY 8" Thick 3,000 PSI Concrete Precast Sun Screen Blades 4,207.35

For 3,500 PSI Concrete, Add 274.53

For 4,000 PSI Concrete, Add 515.82

For 4,500 PSI Concrete, Add 758.16

For 5,000 PSI Concrete, Add 1,031.43

03 48 22 00-0011 Sun Screen/Trellis Units (03 48 22)**03 48 22 00-0012 Installation Cost Using A 50 Ton Hydraulic Crane** (03 48 22 00-0011)

Note: Includes handling, hoisting into place, alignment, bracing and permanent to connections.

03 48 22 00-0013 EA Install Precast Trellis, 0-1 Tons/Unit 100' Maximum Radius With 50 Ton Crane 377.30 169.76

03 48 22 00-0014 EA Install Precast Trellis, 1-3 Tons/Unit 65' Maximum Radius With 50 Ton Crane 422.04 189.98

03 48 22 00-0015 EA Install Precast Trellis, 3-5 Tons/Unit 50' Maximum Radius With 50 Ton Crane 478.80 215.44

03 48 22 00-0016 EA Install Precast Trellis, 5-7 Tons/Unit 40' Maximum Radius With 50 Ton Crane 511.72 230.28

		Concrete		03	CS
		Precast Concrete		03 40	
		Precast Concrete Specialties		03 48	
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT		DEMOLITION	
		UNIT COST		UNIT COST	
03 48 22 00-0017	Material Cost (03 48 22 00-0011) Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.				
03 48 22 00-0018	CY 4" Thick 3,000 PSI Concrete Precast Trellises Blades	4,295.93			
	For 3,500 PSI Concrete, Add	280.31			
	For 4,000 PSI Concrete, Add	526.68			
	For 4,500 PSI Concrete, Add	774.13			
	For 5,000 PSI Concrete, Add	1,053.15			
03 48 22 00-0019	CY 5" Thick 3,000 PSI Concrete Precast Trellises Blades	4,428.79			
	For 3,500 PSI Concrete, Add	288.98			
	For 4,000 PSI Concrete, Add	542.97			
	For 4,500 PSI Concrete, Add	798.07			
	For 5,000 PSI Concrete, Add	1,085.72			
03 48 22 00-0020	CY 6" Thick 3,000 PSI Concrete Precast Trellises Blades	4,605.94			
	For 3,500 PSI Concrete, Add	300.54			
	For 4,000 PSI Concrete, Add	564.69			
	For 4,500 PSI Concrete, Add	829.99			
	For 5,000 PSI Concrete, Add	1,129.15			
03 48 22 00-0021	CY 8" Thick 3,000 PSI Concrete Precast Trellises Blades	4,827.38			
	For 3,500 PSI Concrete, Add	314.99			
	For 4,000 PSI Concrete, Add	591.84			
	For 4,500 PSI Concrete, Add	869.89			
	For 5,000 PSI Concrete, Add	1,183.43			
03 48 24	Precast Minaret Segments (03 48)				
03 48 24 00-0001	Installation Costs Using A 50 Ton Hydraulic Crane (03 48 24) Note: Includes handling, hoisting into place, alignment, bracing and permanent connections.				
03 48 24 00-0002	L - Shaped Segments (03 48 24 00-0001)				
03 48 24 00-0003	EA Install Minaret, L-Shape Segment, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane	367.16		293.72	
03 48 24 00-0004	EA Install Minaret, L-Shape Segment, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane	411.43		329.16	
03 48 24 00-0005	EA Install Minaret, L-Shape Segment, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane	465.20		372.15	
03 48 24 00-0006	EA Install Minaret, L-Shape Segment, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane	496.21		396.97	
03 48 24 00-0007	O - Shaped Segments (03 48 24 00-0001)				
03 48 24 00-0008	EA Install Minaret, O-Shape Segment, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane	388.03		310.48	
03 48 24 00-0009	EA Install Minaret, O-Shape Segment, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane	435.51		348.36	
03 48 24 00-0010	EA Install Minaret, O-Shape Segment, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane	493.22		394.54	
03 48 24 00-0011	EA Install Minaret, O-Shape Segment, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane	528.23		422.56	
03 48 24 00-0012	Platform Segment (03 48 24 00-0001)				
03 48 24 00-0013	EA Install Minaret, Platform Segments, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane	744.33		595.51	
03 48 24 00-0014	EA Install Minaret, Platform Segments, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane	899.73		719.74	
03 48 24 00-0015	EA Install Minaret, Platform Segments, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane	998.48		798.79	
03 48 24 00-0016	EA Install Minaret, Platform Segments, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane	1,121.58		897.30	
03 48 24 00-0017	Cap Segment (03 48 24 00-0001)				
03 48 24 00-0018	EA Install Minaret, Cap Segments, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane	407.34		325.84	
03 48 24 00-0019	EA Install Minaret, Cap Segments, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane	454.86		363.83	
03 48 24 00-0020	EA Install Minaret, Cap Segments, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane	518.20		414.49	
03 48 24 00-0021	EA Install Minaret, Cap Segments, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane	553.21		442.51	
03 48 24 00-0022	Installation Costs Using A 90 Ton Crawler Crane (03 48 24) Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting and caulking of joints.				
03 48 24 00-0023	L - Shaped Segments (03 48 24 00-0022)				
03 48 24 00-0024	EA Install Minaret, L-Shaped Segments, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	373.37		298.69	
03 48 24 00-0025	EA Install Minaret, L-Shaped Segments, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	418.39		334.73	
03 48 24 00-0026	EA Install Minaret, L-Shaped Segments, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	473.07		378.44	
03 48 24 00-0027	EA Install Minaret, L-Shaped Segments, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane	504.60		403.68	
03 48 24 00-0028	O - Shaped Segment (03 48 24 00-0022)				
03 48 24 00-0029	EA Install Minaret, O-Shaped Segments, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	394.60		315.73	
03 48 24 00-0030	EA Install Minaret, O-Shaped Segments, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	442.88		354.25	
03 48 24 00-0031	EA Install Minaret, O-Shaped Segments, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	501.56		401.21	
03 48 24 00-0032	EA Install Minaret, O-Shaped Segments, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane	537.16		429.70	
03 48 24 00-0033	Platform Segment (03 48 24 00-0022)				
03 48 24 00-0034	EA Install Minaret, Platform Segment, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	603.34		482.65	
03 48 24 00-0035	EA Install Minaret, Platform Segment, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	730.35		584.26	
03 48 24 00-0036	EA Install Minaret, Platform Segment, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	808.35		646.70	
03 48 24 00-0037	EA Install Minaret, Platform Segment, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane	914.94		731.91	
03 48 24 00-0038	Cap Segment (03 48 24 00-0022)				
03 48 24 00-0039	EA Install Minaret, Cap Segment, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	414.23		331.35	
03 48 24 00-0040	EA Install Minaret, Cap Segment, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	462.56		369.98	
03 48 24 00-0041	EA Install Minaret, Cap Segment, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	526.96		421.50	

03 Concrete**03 40 Precast Concrete****03 48 Precast Concrete Specialties**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

03 48 24 00-0042 EA Install Minaret, Cap Segment, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane.....562.56 449.99

03 48 24 00-0043**Material Costs (03 48 24)**

Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.

 03 48 24 00-0044 CY Precast Concrete Minaret, L-Shaped Segments, 3,000 PSI Concrete10,628.51
 Note: Including Post Tension Cost

 03 48 24 00-0045 CY Precast Concrete Minaret, O-Shaped Segments, 3,000 PSI Concrete.....10,628.51
 Note: Including Post Tension Cost

 03 48 24 00-0046 CY Precast Concrete Minaret, Platform Segments, 3,000 PSI Concrete.....10,628.51
 Note: Including Post Tension Cost

 03 48 24 00-0047 CY Precast Concrete Minaret, Cap Segments, 3,000 PSI Concrete10,628.51
 Note: Including Post Tension Cost
03 48 29**Precast Accessories (03 48)**

Note: Includes installation labor, material and equipment.

03 48 29 00-0001**Bearing Pads For Precast Members (03 48 29)****03 48 29 00-0002****Continuous 2" Wide Strips (03 48 29 00-0001)**
 03 48 29 00-0003 LF Bearing Pads, Continuous 2" Wide x 1/8" Thick Strips1.37
 Note: For precast members

 03 48 29 00-0004 LF Bearing Pads, Continuous 2" Wide x 1/4" Thick Strips1.91
 Note: For precast members.

 03 48 29 00-0005 LF Bearing Pads, Continuous 2" Wide x 1/2" Thick Strips3.10
 Note: For precast members

 03 48 29 00-0006 LF Bearing Pads, Continuous 2" Wide x 3/4" Thick Strips4.32
 Note: For precast members

 03 48 29 00-0007 LF Bearing Pads, Continuous 2" Wide x 1" Thick Strips5.60
 Note: For precast members

 03 48 29 00-0008 LF Bearing Pads, Continuous 2" Wide x 1-1/2" Thick Strips8.01
 Note: For precast members
03 48 29 00-0009**Bearing Pad Pipe Supports (03 48 29)**

03 48 29 00-0010 LF 4" x 4" Precast Pipe Support.....10.78

03 48 46**Precast Skylight Shells (03 48)****03 48 46 00-0001****Installation Cost Using A 90 Ton Crawler Crane (03 48 46)**

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections.

03 48 46 00-0002 EA Install Precast Skylight Shell, 0-4 Tons/Each Based On 90 Ton Crawler Crane.....538.01 242.14

03 48 46 00-0003 EA Install Precast Skylight Shell, 4-6 Tons/Each Based On 90 Ton Crawler Crane.....597.40 268.84

03 48 46 00-0004 EA Install Precast Skylight Shell, 6-8 Tons/Each Based On 90 Ton Crawler Crane.....671.53 302.19

03 48 46 00-0005**Material Cost (03 48 46)**

Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.

03 48 46 00-0006 CY 3.5" Thick 3,000 PSI Concrete Precast Skylight With 4.4' Radius4,446.63

03 48 49**Precast Landings (03 48)**

03 48 49 00-0001 SF 3" Thick Precast Landing109.51

03 48 49 00-0002 SF 4" Thick Precast Landing127.77

03 48 49 00-0003 SF 5" Thick Precast Landing145.05

03 48 49 00-0004 SF 6" Thick Precast Landing167.20

03 48 54**Precast Concrete Blocks (03 48)****03 48 54 00-0001****Precast Interlocking Concrete Blocks (03 48 54)**

Note: Includes lifting loop

03 48 54 00-0002 EA 2' x 2' x 2' Precast Interlocking Concrete (Ecology) Block144.74 44.37

03 48 54 00-0003 EA 2' x 2' x 3' Precast Interlocking Concrete (Ecology) Block173.24 49.92

03 48 54 00-0004 EA 2' x 2' x 4' Precast Interlocking Concrete (Ecology) Block201.73 55.47

03 48 54 00-0005 EA 2' x 2' x 6' Precast Interlocking Concrete (Ecology) Block273.35 61.01

03 48 54 00-0006 EA 2' x 2' x 8' Precast Interlocking Concrete (Ecology) Block328.32 66.56

03 50 Cast Decks and Underlayment (03)**03 51****Cast Roof Decks (03 50)****03 51 13****Cementitious Wood Fiber Decks (03 51)****03 51 13 00-0001****Cement Fiber Tongue And Groove Planks (03 51 13)**

03 51 13 00-0002 SF 1" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System3.83

03 51 13 00-0003 SF 1-1/2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System3.97

03 51 13 00-0004 SF 2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System4.16

03 51 13 00-0005 SF 2-1/2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System4.67

03 51 13 00-0006 SF 3" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System5.23

03 51 13 00-0007 SF 3-1/2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System5.88

03 51 13 00-0008 SF 4" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System6.66

Concrete			03
Cast Decks and Underlayment			03 50
Cast Roof Decks			03 51
MINOR	CSI	UOM	DESCRIPTION
			TOTAL DIRECT UNIT COST
			DEMOLITION UNIT COST

03 51 16 Gypsum Concrete Roof Decks (03 51)

03 51 16 00-0001 Class A Gypsum Fill Concrete Deck (03 51 16)

03 51 16 00-0002	SF	2" Thick Precast Gypsum Fill Concrete Deck, Class A.....	12.25	0.60
03 51 16 00-0003	SF	2-1/2" Thick Precast Gypsum Fill Concrete Deck, Class A.....	15.18	0.71
03 51 16 00-0004	SF	3" Thick Precast Gypsum Fill Concrete Deck, Class A.....	18.13	0.81
03 51 16 00-0005	SF	3-1/2" Thick Precast Gypsum Fill Concrete Deck, Class A.....	21.11	0.90
03 51 16 00-0006	SF	4" Thick Precast Gypsum Fill Concrete Deck, Class A.....	24.11	1.00

03 51 16 00-0007 Form Board For Lightweight Deck (03 51 16)

03 51 16 00-0008	SF	Gypsum Deck Form Board, 1/2" Drywall For Lightweight Deck.....	2.44	
03 51 16 00-0009	SF	Gypsum Deck Form Board, 1" Mineral Fiber Board For Lightweight Deck.....	3.23	
03 51 16 00-0010	SF	Gypsum Deck Form Board, 1-1/2" Mineral Fiber Board For Lightweight Deck.....	6.61	
03 51 16 00-0011	SF	Gypsum Deck Form Board, 1" Cementitious Fiber Board For Lightweight Deck.....	2.70	0.66
03 51 16 00-0012	SF	Gypsum Deck Form Board, 1-1/2" Cementitious Fiber Board For Lightweight Deck.....	3.26	0.66
03 51 16 00-0013	SF	Gypsum Deck Form Board, 1" Glass Fiber Board For Lightweight Deck.....	3.61	0.66
03 51 16 00-0014	SF	Gypsum Deck Form Board, 1-1/2" Glass Fiber Board For Lightweight Deck.....	4.45	0.66

03 51 16 00-0015 Gypsum Plank (03 51 16)

03 51 16 00-0016	SF	2" Thick, Insulating Concrete Gypsum Plank, Roof Deck.....	3.91	
03 51 16 00-0017	SF	3" Thick, Insulating Concrete Gypsum Plank, Roof Deck.....	5.08	

03 53 Concrete Topping (03 50)

Note: Installed over new or existing concrete.

03 53 14 Granolithic Concrete Topping (03 53)

03 53 14 00-0001 Granolithic Topping Laid After (03 53 14)

Note: Using 1:1-1/2 mix.

03 53 14 00-0002	SF	1/2" Thick Concrete Topping, Granolithic Laid After Finish, 1:1-1/2 Mix.....	4.55	
03 53 14 00-0003	SF	1" Thick Concrete Topping, Granolithic Laid After Finish, 1:1-1/2 Mix.....	4.88	
03 53 14 00-0004	SF	2" Thick Concrete Topping, Granolithic Laid After Finish, 1:1-1/2 Mix.....	6.08	

03 53 19 Concrete Overlayment (03 53)

03 53 19 00-0001 Integral Topping Including Hard Trowel Finish (03 53 19)

Note: Using 1:1:2 mix.

03 53 19 00-0002	SF	3/16" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix.....	2.70	
03 53 19 00-0003	SF	1/2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix.....	3.01	
03 53 19 00-0004	SF	3/4" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix.....	3.50	
03 53 19 00-0005	SF	1" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix.....	4.13	
03 53 19 00-0006	SF	2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix.....	5.79	
03 53 19 00-0007	SF	2-1/2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix.....	4.87	
03 53 19 00-0008	SF	3" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix.....	5.43	

03 54 Cast Underlayment (03 50)

Note: Includes primer. Excludes sandblasting existing smooth finished concrete surface (where necessary).

03 54 16 Hydraulic Cement Underlayment (03 54)

03 54 16 00-0001 Self Leveling Cementitious Underlayment For Floors (03 54 16)

Note: Includes primer.

03 54 16 00-0002	SF	1/8" Thick Self Leveling Cementitious Underlayment For Floors.....	1.63	
Note: Including Surface Preparation				
For Up To 100 SF, Add			0.15	
For >100 To 250 SF, Add			0.08	
03 54 16 00-0003	SF	1/4" Thick Self Leveling Cementitious Underlayment For Floors.....	2.73	
Note: Including Surface Preparation				
For Up To 100 SF, Add			0.15	
For >100 To 250 SF, Add			0.08	
03 54 16 00-0004	SF	3/8" Thick Self Leveling Cementitious Underlayment For Floors.....	3.46	
Note: Including Surface Preparation				
For Up To 100 SF, Add			0.15	
For >100 To 250 SF, Add			0.08	
03 54 16 00-0005	SF	1/2" Thick Self Leveling Cementitious Underlayment For Floors.....	4.93	
Note: Including Surface Preparation				
For Up To 100 SF, Add			0.15	
For >100 To 250 SF, Add			0.08	
03 54 16 00-0006	SF	5/8" Thick Self Leveling Cementitious Underlayment For Floors.....	5.81	
Note: Including Surface Preparation				
For Up To 100 SF, Add			0.15	
For >100 To 250 SF, Add			0.08	
03 54 16 00-0007	SF	3/4" Thick Self Leveling Cementitious Underlayment For Floors.....	7.18	
Note: Including Surface Preparation				
For Up To 100 SF, Add			0.18	
For >100 To 250 SF, Add			0.09	
03 54 16 00-0008	SF	1" Thick Self Leveling Cementitious Underlayment For Floors.....	9.38	
Note: Including Surface Preparation				
For Up To 100 SF, Add			0.18	
For >100 To 250 SF, Add			0.09	

03 Concrete**03 50 Cast Decks and Underlayment****03 54 Cast Underlayment**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 54 16 00-0009	SF	1-1/4" Thick Self Leveling Cementitious Underlayment For Floors.....	12.36	
		Note: Including Surface Preparation		
		For Up To 100 SF, Add	0.20	
		For >100 To 250 SF, Add	0.10	
03 54 16 00-0010	SF	1-1/2" Thick Self Leveling Cementitious Underlayment For Floors.....	13.83	
		Note: Including Surface Preparation		
		For Up To 100 SF, Add	0.20	
		For >100 To 250 SF, Add	0.10	
03 54 16 00-0011	SF	1-3/4" Thick Self Leveling Cementitious Underlayment For Floors.....	18.34	
		Note: Including Surface Preparation		
		For Up To 100 SF, Add	0.25	
		For >100 To 250 SF, Add	0.13	

03 60 Grouting ⁽⁰³⁾**03 61 Cementitious Grouting** ^(03 60)

Note: 1 part cement to 3 parts sand by volume.

03 61 16 Cementitious Flowable Grout ^(03 61)

03 61 16 00-0001		Cementitious Flowable Grout ^(03 61 16)		
03 61 16 00-0002	CY	Cementitious Flowable Grout.....	453.85	

03 62 Non-Shrink Grouting ^(03 60)**03 62 13 Non-Metallic Non-Shrink Grouting** ^(03 62)

03 62 13 00-0001		Fluid Type, Non-Metallic Non-Shrink Grouting For Bases ^(03 62 13)		
03 62 13 00-0002	SF	1" Deep, Fluid Type, Non-Metallic Non-Shrink Grout For Bases	27.00	
03 62 13 00-0003	SF	2" Deep, Fluid Type, Non-Metallic Non-Shrink Grout For Bases	39.23	

03 62 13 00-0004		Non-Metallic Non-Shrink Grouting For Bases ^(03 62 13)		
03 62 13 00-0005	SF	1" Deep, Non-Metallic Non-Shrink Grout For Bases	41.02	
03 62 13 00-0006	SF	2" Deep, Non-Metallic Non-Shrink Grout For Bases	64.84	

03 62 13 00-0007		Non-Metallic Non-Shrink Grouting For Joints ^(03 62 13)		
03 62 13 00-0008		1/2" Joint Thickness, Non-Metallic Non-Shrink Grout For Joints ^(03 62 13 00-0007)		
03 62 13 00-0009	LF	4" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints	2.15	
03 62 13 00-0010	LF	6" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints	2.80	
03 62 13 00-0011	LF	8" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints	3.71	

03 62 13 00-0012		1" Joint Thickness, Non-Metallic Non-Shrink Grout For Joints ^(03 62 13 00-0007)		
03 62 13 00-0013	LF	4" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints	3.14	
03 62 13 00-0014	LF	6" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints	4.15	
03 62 13 00-0015	LF	8" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints	5.51	

03 62 16 Metallic Non-Shrink Grouting ^(03 62)

03 62 16 00-0001		Metallic Non-Shrink Grouting For Bases ^(03 62 16)		
03 62 16 00-0002	SF	1" Deep, Metallic Non-Shrink Grout For Bases	35.42	
03 62 16 00-0003	SF	2" Deep, Metallic Non-Shrink Grout For Bases	53.97	

03 62 16 00-0004		Metallic Non-Shrink Grouting For Joints ^(03 62 16)		
03 62 16 00-0005		1/2" Joint Thickness, Metallic Non-Shrink Grout For Joints ^(03 62 16 00-0004)		
03 62 16 00-0006	LF	4" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints	1.80	
03 62 16 00-0007	LF	6" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints	2.27	
03 62 16 00-0008	LF	8" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints	3.03	

03 62 16 00-0009		1" Joint Thickness, Metallic Non-Shrink Grout For Joints ^(03 62 16 00-0004)		
03 62 16 00-0010	LF	4" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints	2.46	
03 62 16 00-0011	LF	6" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints	3.10	
03 62 16 00-0012	LF	8" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints	4.13	

03 63 Epoxy Grouting ^(03 60)

03 63 00 00-0001		Spray On Concrete Epoxy Grout ^(03 63)		
		Note: (Sika 224) per thickness per coat.		
03 63 00 00-0002	SF	1/4" Thick Coat Spray On Concrete Epoxy Grout.....	4.28	
		For Color, Add	1.14	
03 63 00 00-0003	SF	3/8" Thick Coat Spray On Concrete Epoxy Grout.....	5.93	
		For Color, Add	1.70	
03 63 00 00-0004	SF	1/2" Thick Coat Spray On Concrete Epoxy Grout.....	7.61	
		For Color, Add	2.27	
03 63 00 00-0005	SF	5/8" Thick Coat Spray On Concrete Epoxy Grout.....	9.13	
		For Color, Add	2.84	

Concrete	03	03
Grouting	03 60	
Epoxy Grouting	03 63	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 63 00 00-0006	SF	3/4" Thick Coat Spray On Concrete Epoxy Grout.....	10.66	
		For Color, Add	3.41	
03 63 00 00-0007	SF	1" Thick Coat Spray On Concrete Epoxy Grout.....	13.82	
		For Color, Add	4.55	

03 64 Injection Grouting ^(03 60)

Note: By volume of void filled. Includes injection ports.

03 64 23 Epoxy Injection Grouting ^(03 64)

03 64 23 00-0001 Pressure Injected Epoxy Grout ^(03 64 23)

03 64 23 00-0002	CF	Pressure Injected Epoxy Grout.....	1,375.87	
		For >4, Deduct	-145.67	

03 64 26 Cementitious Injection Grouting ^(03 64)

03 64 26 00-0001 Pressure Injected Cementitious Grout ^(03 64 26)

03 64 26 00-0002	CF	Pressure Injected Cementitious Grout.....	239.83	
		For >4, Deduct	-62.50	

03 80 Concrete Cutting and Boring ⁽⁰³⁾

03 81 Concrete Cutting ^(03 80)

03 81 13 Flat Concrete Sawing ^(03 81)

See CSI section 02 41 19 13-0001 for saw cutting.

03 81 16 Track Mounted Concrete Wall Sawing ^(03 81)

See CSI section 02 41 19 13-0001 for saw cutting.

03 82 Concrete Boring ^(03 80)

03 82 13 Concrete Core Drilling ^(03 82)

See CSI section 02 41 19 13-0024 for core drilling.

END OF SECTION 03

03	03	Concrete
	03 80	Concrete Cutting and Boring
	03 82	Concrete Boring



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST

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		Masonry	04	04
		Maintenance of Masonry	04 01	
		Maintenance of Unit Masonry	04 01 20	
MINOR	CSI	UOM	DESCRIPTION	
			TOTAL DIRECT	DEMOLITION
			UNIT COST	UNIT COST

04 Masonry

04 01 Maintenance of Masonry ⁽⁰⁴⁾

04 01 20 Maintenance of Unit Masonry ^(04 01)

Note: For use on existing brick. Includes clean-up of debris. Excludes disposal.

04 01 20 41 Unit Masonry Stabilization ^(04 01 20)

04 01 20 41-0001 Unit Masonry Stabilization (Helifix®) ^(04 01 20 41)

04 01 20 41-0002 Grouted Ties For Stabilizing Solid Masonry (Helifix® CemTie) ^(04 01 20 41-0001)

Note: Austenitic stainless steel. For stabilizing solid masonry. Includes drilling, cementitious grout and patching surface.

04 01 20 41-0003 304 Stainless Steel Helical Pin, Grouted Ties For Stabilizing Solid Masonry (Helifix® CemTie) ^(04 01 20 41-0002)

04 01 20 41-0004	EA	8mm Diameter, 350mm Length, 304 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	22.04
		For Up To 10, Add	11.55
		For >10 To 50, Add	5.78
04 01 20 41-0005	EA	8mm Diameter, 600mm Length, 304 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	30.25
		For Up To 10, Add	11.55
		For >10 To 50, Add	5.78
04 01 20 41-0006	EA	8mm Diameter, 900mm Length, 304 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	39.17
		For Up To 10, Add	11.55
		For >10 To 50, Add	5.78

04 01 20 41-0007 316 Stainless Steel Helical Pin, Grouted Ties For Stabilizing Solid Masonry (Helifix® CemTie) ^(04 01 20 41-0002)

04 01 20 41-0008	EA	8mm Diameter, 350mm Length, 316 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	23.82
		For Up To 10, Add	11.55
		For >10 To 50, Add	5.78
04 01 20 41-0009	EA	8mm Diameter, 600mm Length, 316 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	33.41
		For Up To 10, Add	11.55
		For >10 To 50, Add	5.78
04 01 20 41-0010	EA	8mm Diameter, 900mm Length, 316 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	43.91
		For Up To 10, Add	11.55
		For >10 To 50, Add	5.78

04 01 20 41-0011 Ties For Stitching Masonry Cracks (Helifix® Helibar) ^(04 01 20 41-0001)

Note: Austenitic stainless steel. For stabilizing cracked masonry. Includes removing horizontal mortar and re-pointing mortar bed. Includes cementitious grout. Excludes repairing vertical crack.

04 01 20 41-0012 304 Stainless Steel Helical Pin, Ties For Stitching Masonry Cracks (Helifix® Helibar) ^(04 01 20 41-0011)

04 01 20 41-0013	EA	4.5mm Diameter, 1m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	63.47
		For Up To 10, Add	46.20
		For >10 To 50, Add	23.10
04 01 20 41-0014	EA	4.5mm Diameter, 1.2m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	68.14
		For Up To 10, Add	46.20
		For >10 To 50, Add	23.10
04 01 20 41-0015	EA	4.5mm Diameter, 7m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	176.40
		For Up To 10, Add	46.20
		For >10 To 50, Add	23.10
04 01 20 41-0016	EA	6mm Diameter, 1m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	63.47
		For Up To 10, Add	46.20
		For >10 To 50, Add	23.10
04 01 20 41-0017	EA	6mm Diameter, 1.2m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	68.14
		For Up To 10, Add	46.20
		For >10 To 50, Add	23.10
04 01 20 41-0018	EA	6mm Diameter, 1.5m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	73.45
		For Up To 10, Add	46.20
		For >10 To 50, Add	23.10
04 01 20 41-0019	EA	6mm Diameter, 2m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	83.42
		For Up To 10, Add	46.20
		For >10 To 50, Add	23.10
04 01 20 41-0020	EA	6mm Diameter, 7m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	176.40
		For Up To 10, Add	46.20
		For >10 To 50, Add	23.10

04 01 20 41-0021 316 Stainless Steel Helical Pin, Ties For Stitching Masonry Cracks (Helifix® Helibar) ^(04 01 20 41-0011)

04 01 20 41-0022	EA	4.5mm Diameter, 1m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	66.02
		For Up To 10, Add	46.20
		For >10 To 50, Add	23.10

04 Masonry**04 01 Maintenance of Masonry****04 01 20 Maintenance of Unit Masonry**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

04 01 20 41-0023	EA	4.5mm Diameter, 1.2m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	71.53
		For Up To 10, Add	46.20
		For >10 To 50, Add	23.10
04 01 20 41-0024	EA	4.5mm Diameter, 7m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	197.57
		For Up To 10, Add	46.20
		For >10 To 50, Add	23.10
04 01 20 41-0025	EA	6mm Diameter, 1m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	66.02
		For Up To 10, Add	46.20
		For >10 To 50, Add	23.10
04 01 20 41-0026	EA	6mm Diameter, 1.2m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	71.53
		For Up To 10, Add	46.20
		For >10 To 50, Add	23.10
04 01 20 41-0027	EA	6mm Diameter, 1.5m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	77.68
		For Up To 10, Add	46.20
		For >10 To 50, Add	23.10
04 01 20 41-0028	EA	6mm Diameter, 2m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	89.35
		For Up To 10, Add	46.20
		For >10 To 50, Add	23.10
04 01 20 41-0029	EA	6mm Diameter, 7m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	197.57
		For Up To 10, Add	46.20
		For >10 To 50, Add	23.10

04 01 20 41-0030 Mechanical Repair Anchors (Helifix® TorkFix) (04 01 20 41-0001)
 Note: Austenitic stainless steel. For stabilizing masonry veneer walls to inner wythes of brick, concrete block, wood studs or steel studs. Includes drilling and patching surface.

04 01 20 41-0031		304 Stainless Steel, Mechanical Repair Anchors (Helifix® TorkFix) (04 01 20 41-0030)	
04 01 20 41-0032	EA	4-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	11.46
		For Up To 10, Add	6.93
		For >10 To 50, Add	3.47
04 01 20 41-0033	EA	5-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	12.29
		For Up To 10, Add	6.93
		For >10 To 50, Add	3.47
04 01 20 41-0034	EA	6-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	13.13
		For Up To 10, Add	6.93
		For >10 To 50, Add	3.47
04 01 20 41-0035	EA	7-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	13.97
		For Up To 10, Add	6.93
		For >10 To 50, Add	3.47
04 01 20 41-0036	EA	8-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	14.80
		For Up To 10, Add	6.93
		For >10 To 50, Add	3.47
04 01 20 41-0037	EA	9-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	15.64
		For Up To 10, Add	6.93
		For >10 To 50, Add	3.47
04 01 20 41-0038	EA	4-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	11.46
		For Up To 10, Add	6.93
		For >10 To 50, Add	3.47
04 01 20 41-0039	EA	5-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	12.29
		For Up To 10, Add	6.93
		For >10 To 50, Add	3.47
04 01 20 41-0040	EA	6-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	13.13
		For Up To 10, Add	6.93
		For >10 To 50, Add	3.47
04 01 20 41-0041	EA	7-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	13.97
		For Up To 10, Add	6.93
		For >10 To 50, Add	3.47
04 01 20 41-0042	EA	8-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	14.80
		For Up To 10, Add	6.93
		For >10 To 50, Add	3.47
04 01 20 41-0043	EA	10-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	16.48
		For Up To 10, Add	6.93
		For >10 To 50, Add	3.47
04 01 20 41-0044	EA	4-1/2" Length, 304 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	11.46
		For Up To 10, Add	6.93
		For >10 To 50, Add	3.47
04 01 20 41-0045	EA	6-1/2" Length, 304 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	13.13
		For Up To 10, Add	6.93
		For >10 To 50, Add	3.47
04 01 20 41-0046	EA	8" Length, 304 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	14.38
		For Up To 10, Add	6.93
		For >10 To 50, Add	3.47

04 01 20 41-0047 316 Stainless Steel, Mechanical Repair Anchors (Helifix® TorkFix) (04 01 20 41-0030)

04 01 20 41-0048	EA	4-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	11.46
		For Up To 10, Add	6.93
		For >10 To 50, Add	3.47
04 01 20 41-0049	EA	5-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	12.29
		For Up To 10, Add	6.93
		For >10 To 50, Add	3.47

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0050	EA	6-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	13.13	
		For Up To 10, Add	6.93	
		For >10 To 50, Add	3.47	
04 01 20 41-0051	EA	7-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	13.97	
		For Up To 10, Add	6.93	
		For >10 To 50, Add	3.47	
04 01 20 41-0052	EA	8-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	14.80	
		For Up To 10, Add	6.93	
		For >10 To 50, Add	3.47	
04 01 20 41-0053	EA	9-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	15.64	
		For Up To 10, Add	6.93	
		For >10 To 50, Add	3.47	
04 01 20 41-0054	EA	4-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	11.46	
		For Up To 10, Add	6.93	
		For >10 To 50, Add	3.47	
04 01 20 41-0055	EA	5-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	12.29	
		For Up To 10, Add	6.93	
		For >10 To 50, Add	3.47	
04 01 20 41-0056	EA	6-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	13.13	
		For Up To 10, Add	6.93	
		For >10 To 50, Add	3.47	
04 01 20 41-0057	EA	7-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	13.97	
		For Up To 10, Add	6.93	
		For >10 To 50, Add	3.47	
04 01 20 41-0058	EA	8-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	14.80	
		For Up To 10, Add	6.93	
		For >10 To 50, Add	3.47	
04 01 20 41-0059	EA	10-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	16.48	
		For Up To 10, Add	6.93	
		For >10 To 50, Add	3.47	
04 01 20 41-0060	EA	4-1/2" Length, 316 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix).....	11.46	
		For Up To 10, Add	6.93	
		For >10 To 50, Add	3.47	
04 01 20 41-0061	EA	6-1/2" Length, 316 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix).....	13.13	
		For Up To 10, Add	6.93	
		For >10 To 50, Add	3.47	
04 01 20 41-0062	EA	8" Length, 316 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix).....	14.38	
		For Up To 10, Add	6.93	
		For >10 To 50, Add	3.47	
04 01 20 41-0063		Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) (04 01 20 41-0001) Note: Austenitic stainless steel. For pinning stucco, terracotta, granite, marble, etc., to concrete block, brick or solid concrete. Includes drilling and patching surface.		
04 01 20 41-0064		304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) (04 01 20 41-0063)		
04 01 20 41-0065	EA	8mm Diameter, 115mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.49	
		For Up To 10, Add	6.93	
		For >10 To 50, Add	3.47	
		For Metal Stud Clip, Add	2.49	
04 01 20 41-0066	EA	8mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.79	
		For Up To 10, Add	6.93	
		For >10 To 50, Add	3.47	
		For Metal Stud Clip, Add	2.49	
04 01 20 41-0067	EA	8mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.85	
		For Up To 10, Add	6.93	
		For >10 To 50, Add	3.47	
		For Metal Stud Clip, Add	2.49	
04 01 20 41-0068	EA	8mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.97	
		For Up To 10, Add	6.93	
		For >10 To 50, Add	3.47	
		For Metal Stud Clip, Add	2.49	
04 01 20 41-0069	EA	8mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.19	
		For Up To 10, Add	6.93	
		For >10 To 50, Add	3.47	
		For Metal Stud Clip, Add	2.49	
04 01 20 41-0070	EA	8mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.38	
		For Up To 10, Add	6.93	
		For >10 To 50, Add	3.47	
		For Metal Stud Clip, Add	2.49	
04 01 20 41-0071	EA	8mm Diameter, 270mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.47	
		For Up To 10, Add	6.93	
		For >10 To 50, Add	3.47	
		For Metal Stud Clip, Add	2.49	

04 Masonry**04 01 Maintenance of Masonry****04 01 20 Maintenance of Unit Masonry**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

04 01 20 41-0072	EA	8mm Diameter, 295mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.59
		For Up To 10, Add	6.93
		For >10 To 50, Add	3.47
		For Metal Stud Clip, Add	2.49
04 01 20 41-0073	EA	8mm Diameter, 325mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.12
		For Up To 10, Add	6.93
		For >10 To 50, Add	3.47
		For Metal Stud Clip, Add	2.49
04 01 20 41-0074	EA	8mm Diameter, 350mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.20
		For Up To 10, Add	6.93
		For >10 To 50, Add	3.47
		For Metal Stud Clip, Add	2.49
04 01 20 41-0075	EA	8mm Diameter, 400mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.84
		For Up To 10, Add	6.93
		For >10 To 50, Add	3.47
		For Metal Stud Clip, Add	2.49
04 01 20 41-0076	EA	8mm Diameter, 450mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	12.38
		For Up To 10, Add	6.93
		For >10 To 50, Add	3.47
		For Metal Stud Clip, Add	2.49
04 01 20 41-0077	EA	8mm Diameter, 500mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	12.85
		For Up To 10, Add	6.93
		For >10 To 50, Add	3.47
		For Metal Stud Clip, Add	2.49
04 01 20 41-0078	EA	8mm Diameter, 550mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	14.49
		For Up To 10, Add	6.93
		For >10 To 50, Add	3.47
		For Metal Stud Clip, Add	2.49
04 01 20 41-0079	EA	8mm Diameter, 600mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	15.95
		For Up To 10, Add	6.93
		For >10 To 50, Add	3.47
		For Metal Stud Clip, Add	2.49
04 01 20 41-0080	EA	8mm Diameter, 700mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	17.89
		For Up To 10, Add	6.93
		For >10 To 50, Add	3.47
		For Metal Stud Clip, Add	2.49
04 01 20 41-0081	EA	10mm Diameter, 125mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.59
		For Up To 10, Add	6.93
		For >10 To 50, Add	3.47
		For Metal Stud Clip, Add	2.49
04 01 20 41-0082	EA	10mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.92
		For Up To 10, Add	6.93
		For >10 To 50, Add	3.47
		For Metal Stud Clip, Add	2.49
04 01 20 41-0083	EA	10mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.21
		For Up To 10, Add	6.93
		For >10 To 50, Add	3.47
		For Metal Stud Clip, Add	2.49
04 01 20 41-0084	EA	10mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.47
		For Up To 10, Add	6.93
		For >10 To 50, Add	3.47
		For Metal Stud Clip, Add	2.49
04 01 20 41-0085	EA	10mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.64
		For Up To 10, Add	6.93
		For >10 To 50, Add	3.47
		For Metal Stud Clip, Add	2.49
04 01 20 41-0086	EA	10mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.75
		For Up To 10, Add	6.93
		For >10 To 50, Add	3.47
		For Metal Stud Clip, Add	2.49
04 01 20 41-0087	EA	10mm Diameter, 270mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.95
		For Up To 10, Add	6.93
		For >10 To 50, Add	3.47
		For Metal Stud Clip, Add	2.49
04 01 20 41-0088	EA	10mm Diameter, 300mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.03
		For Up To 10, Add	6.93
		For >10 To 50, Add	3.47
		For Metal Stud Clip, Add	2.49
04 01 20 41-0089	EA	10mm Diameter, 350mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.40
		For Up To 10, Add	6.93
		For >10 To 50, Add	3.47
		For Metal Stud Clip, Add	2.49

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0090	EA	10mm Diameter, 400mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.95	
		For Up To 10, Add	6.93	
		For >10 To 50, Add	3.47	
		For Metal Stud Clip, Add	2.49	
04 01 20 41-0091	EA	10mm Diameter, 450mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	12.40	
		For Up To 10, Add	6.93	
		For >10 To 50, Add	3.47	
		For Metal Stud Clip, Add	2.49	
04 01 20 41-0092	EA	10mm Diameter, 500mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	12.97	
		For Up To 10, Add	6.93	
		For >10 To 50, Add	3.47	
		For Metal Stud Clip, Add	2.49	
04 01 20 41-0093	EA	10mm Diameter, 550mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	16.04	
		For Up To 10, Add	6.93	
		For >10 To 50, Add	3.47	
		For Metal Stud Clip, Add	2.49	
04 01 20 41-0094	EA	10mm Diameter, 600mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	17.77	
		For Up To 10, Add	6.93	
		For >10 To 50, Add	3.47	
		For Metal Stud Clip, Add	2.49	
04 01 20 41-0095	EA	10mm Diameter, 700mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	20.44	
		For Up To 10, Add	6.93	
		For >10 To 50, Add	3.47	
		For Metal Stud Clip, Add	2.49	
04 01 20 41-0096	EA	8mm Tapered To 6.5mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	10.30	
		For Up To 10, Add	6.93	
		For >10 To 50, Add	3.47	
		For Metal Stud Clip, Add	2.49	
04 01 20 41-0097	EA	8mm Tapered To 6.5mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	10.49	
		For Up To 10, Add	6.93	
		For >10 To 50, Add	3.47	
		For Metal Stud Clip, Add	2.49	
04 01 20 41-0098	EA	8mm Tapered To 6.5mm Diameter, 185mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	10.61	
		For Up To 10, Add	6.93	
		For >10 To 50, Add	3.47	
		For Metal Stud Clip, Add	2.49	
04 01 20 41-0099	EA	8mm Tapered To 6.5mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	10.71	
		For Up To 10, Add	6.93	
		For >10 To 50, Add	3.47	
		For Metal Stud Clip, Add	2.49	
04 01 20 41-0100	EA	8mm Tapered To 6.5mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	10.97	
		For Up To 10, Add	6.93	
		For >10 To 50, Add	3.47	
		For Metal Stud Clip, Add	2.49	
04 01 20 41-0101	EA	8mm Tapered To 6.5mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	11.40	
		For Up To 10, Add	6.93	
		For >10 To 50, Add	3.47	
		For Metal Stud Clip, Add	2.49	
04 01 20 41-0102	EA	8mm Tapered To 6.5mm Diameter, 270mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	11.56	
		For Up To 10, Add	6.93	
		For >10 To 50, Add	3.47	
		For Metal Stud Clip, Add	2.49	
04 01 20 41-0103	EA	8mm Tapered To 6.5mm Diameter, 295mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	11.98	
		For Up To 10, Add	6.93	
		For >10 To 50, Add	3.47	
		For Metal Stud Clip, Add	2.49	
04 01 20 41-0104	EA	10mm Tapered To 8mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	10.79	
		For Up To 10, Add	6.93	
		For >10 To 50, Add	3.47	
		For Metal Stud Clip, Add	2.49	
04 01 20 41-0105	EA	10mm Tapered To 8mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	11.16	
		For Up To 10, Add	6.93	
		For >10 To 50, Add	3.47	
		For Metal Stud Clip, Add	2.49	
04 01 20 41-0106	EA	10mm Tapered To 8mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	11.42	
		For Up To 10, Add	6.93	
		For >10 To 50, Add	3.47	
		For Metal Stud Clip, Add	2.49	
04 01 20 41-0107	EA	10mm Tapered To 8mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	11.59	
		For Up To 10, Add	6.93	
		For >10 To 50, Add	3.47	
		For Metal Stud Clip, Add	2.49	

04 Masonry**04 01 Maintenance of Masonry****04 01 20 Maintenance of Unit Masonry**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

04 01 20 41-0108	EA	10mm Tapered To 8mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.71
		For Up To 10, Add	6.93
		For >10 To 50, Add	3.47
		For Metal Stud Clip, Add	2.49
04 01 20 41-0109	EA	10mm Tapered To 8mm Diameter, 300mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.98
		For Up To 10, Add	6.93
		For >10 To 50, Add	3.47
		For Metal Stud Clip, Add	2.49
04 01 20 41-0110	EA	304 Stainless Steel, Seismic Connector (Helifix® DryFix®)	4.98
		Note: For installation over the DryFix® helical pin. Excludes removal of grout from the horizontal joint and installation of Helibar or 9 gauge continuous wire.	
		For Up To 10, Add	3.47
		For >10 To 50, Add	1.74

04 01 20 41-0111 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) (04 01 20 41-0063)

04 01 20 41-0112	EA	8mm Diameter, 115mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.97
		For Up To 10, Add	6.93
		For >10 To 50, Add	3.47
		For Metal Stud Clip, Add	2.49
04 01 20 41-0113	EA	8mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.34
		For Up To 10, Add	6.93
		For >10 To 50, Add	3.47
		For Metal Stud Clip, Add	2.49
04 01 20 41-0114	EA	8mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.42
		For Up To 10, Add	6.93
		For >10 To 50, Add	3.47
		For Metal Stud Clip, Add	2.49
04 01 20 41-0115	EA	8mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.57
		For Up To 10, Add	6.93
		For >10 To 50, Add	3.47
		For Metal Stud Clip, Add	2.49
04 01 20 41-0116	EA	8mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.84
		For Up To 10, Add	6.93
		For >10 To 50, Add	3.47
		For Metal Stud Clip, Add	2.49
04 01 20 41-0117	EA	8mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.07
		For Up To 10, Add	6.93
		For >10 To 50, Add	3.47
		For Metal Stud Clip, Add	2.49
04 01 20 41-0118	EA	8mm Diameter, 270mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.19
		For Up To 10, Add	6.93
		For >10 To 50, Add	3.47
		For Metal Stud Clip, Add	2.49
04 01 20 41-0119	EA	8mm Diameter, 295mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.34
		For Up To 10, Add	6.93
		For >10 To 50, Add	3.47
		For Metal Stud Clip, Add	2.49
04 01 20 41-0120	EA	8mm Diameter, 325mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.89
		For Up To 10, Add	6.93
		For >10 To 50, Add	3.47
		For Metal Stud Clip, Add	2.49
04 01 20 41-0121	EA	8mm Diameter, 350mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.99
		For Up To 10, Add	6.93
		For >10 To 50, Add	3.47
		For Metal Stud Clip, Add	2.49
04 01 20 41-0122	EA	8mm Diameter, 400mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.79
		For Up To 10, Add	6.93
		For >10 To 50, Add	3.47
		For Metal Stud Clip, Add	2.49
04 01 20 41-0123	EA	8mm Diameter, 450mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	13.47
		For Up To 10, Add	6.93
		For >10 To 50, Add	3.47
		For Metal Stud Clip, Add	2.49
04 01 20 41-0124	EA	8mm Diameter, 500mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	14.06
		For Up To 10, Add	6.93
		For >10 To 50, Add	3.47
		For Metal Stud Clip, Add	2.49
04 01 20 41-0125	EA	8mm Diameter, 550mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	16.10
		For Up To 10, Add	6.93
		For >10 To 50, Add	3.47
		For Metal Stud Clip, Add	2.49

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0126	EA		8mm Diameter, 600mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	17.77	
			For Up To 10, Add	6.93	
			For >10 To 50, Add	3.47	
			For Metal Stud Clip, Add	2.49	
04 01 20 41-0127	EA		8mm Diameter, 700mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	20.19	
			For Up To 10, Add	6.93	
			For >10 To 50, Add	3.47	
			For Metal Stud Clip, Add	2.49	
04 01 20 41-0128	EA		10mm Diameter, 125mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.16	
			For Up To 10, Add	6.93	
			For >10 To 50, Add	3.47	
			For Metal Stud Clip, Add	2.49	
04 01 20 41-0129	EA		10mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.53	
			For Up To 10, Add	6.93	
			For >10 To 50, Add	3.47	
			For Metal Stud Clip, Add	2.49	
04 01 20 41-0130	EA		10mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.90	
			For Up To 10, Add	6.93	
			For >10 To 50, Add	3.47	
			For Metal Stud Clip, Add	2.49	
04 01 20 41-0131	EA		10mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.22	
			For Up To 10, Add	6.93	
			For >10 To 50, Add	3.47	
			For Metal Stud Clip, Add	2.49	
04 01 20 41-0132	EA		10mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.43	
			For Up To 10, Add	6.93	
			For >10 To 50, Add	3.47	
			For Metal Stud Clip, Add	2.49	
04 01 20 41-0133	EA		10mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.57	
			For Up To 10, Add	6.93	
			For >10 To 50, Add	3.47	
			For Metal Stud Clip, Add	2.49	
04 01 20 41-0134	EA		10mm Diameter, 270mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.82	
			For Up To 10, Add	6.93	
			For >10 To 50, Add	3.47	
			For Metal Stud Clip, Add	2.49	
04 01 20 41-0135	EA		10mm Diameter, 300mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.92	
			For Up To 10, Add	6.93	
			For >10 To 50, Add	3.47	
			For Metal Stud Clip, Add	2.49	
04 01 20 41-0136	EA		10mm Diameter, 350mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	12.36	
			For Up To 10, Add	6.93	
			For >10 To 50, Add	3.47	
			For Metal Stud Clip, Add	2.49	
04 01 20 41-0137	EA		10mm Diameter, 400mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	12.97	
			For Up To 10, Add	6.93	
			For >10 To 50, Add	3.47	
			For Metal Stud Clip, Add	2.49	
04 01 20 41-0138	EA		10mm Diameter, 450mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	13.53	
			For Up To 10, Add	6.93	
			For >10 To 50, Add	3.47	
			For Metal Stud Clip, Add	2.49	
04 01 20 41-0139	EA		10mm Diameter, 500mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	14.24	
			For Up To 10, Add	6.93	
			For >10 To 50, Add	3.47	
			For Metal Stud Clip, Add	2.49	
04 01 20 41-0140	EA		10mm Diameter, 550mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	18.09	
			For Up To 10, Add	6.93	
			For >10 To 50, Add	3.47	
			For Metal Stud Clip, Add	2.49	
04 01 20 41-0141	EA		10mm Diameter, 600mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	19.93	
			For Up To 10, Add	6.93	
			For >10 To 50, Add	3.47	
			For Metal Stud Clip, Add	2.49	
04 01 20 41-0142	EA		10mm Diameter, 700mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	23.27	
			For Up To 10, Add	6.93	
			For >10 To 50, Add	3.47	
			For Metal Stud Clip, Add	2.49	
04 01 20 41-0143	EA		8mm Tapered To 6.5mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	11.06	
			For Up To 10, Add	6.93	
			For >10 To 50, Add	3.47	
			For Metal Stud Clip, Add	2.49	

04 Masonry**04 01 Maintenance of Masonry****04 01 20 Maintenance of Unit Masonry**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

04 01 20 41-0144	EA	8mm Tapered To 6.5mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.27
		For Up To 10, Add	6.93
		For >10 To 50, Add	3.47
		For Metal Stud Clip, Add	2.49
04 01 20 41-0145	EA	8mm Tapered To 6.5mm Diameter, 185mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.42
		For Up To 10, Add	6.93
		For >10 To 50, Add	3.47
		For Metal Stud Clip, Add	2.49
04 01 20 41-0146	EA	8mm Tapered To 6.5mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.53
		For Up To 10, Add	6.93
		For >10 To 50, Add	3.47
		For Metal Stud Clip, Add	2.49
04 01 20 41-0147	EA	8mm Tapered To 6.5mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.87
		For Up To 10, Add	6.93
		For >10 To 50, Add	3.47
		For Metal Stud Clip, Add	2.49
04 01 20 41-0148	EA	8mm Tapered To 6.5mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	12.40
		For Up To 10, Add	6.93
		For >10 To 50, Add	3.47
		For Metal Stud Clip, Add	2.49
04 01 20 41-0149	EA	8mm Tapered To 6.5mm Diameter, 270mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	12.58
		For Up To 10, Add	6.93
		For >10 To 50, Add	3.47
		For Metal Stud Clip, Add	2.49
04 01 20 41-0150	EA	8mm Tapered To 6.5mm Diameter, 295mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	13.10
		For Up To 10, Add	6.93
		For >10 To 50, Add	3.47
		For Metal Stud Clip, Add	2.49
04 01 20 41-0151	EA	10mm Tapered To 8mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.60
		For Up To 10, Add	6.93
		For >10 To 50, Add	3.47
		For Metal Stud Clip, Add	2.49
04 01 20 41-0152	EA	10mm Tapered To 8mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	12.06
		For Up To 10, Add	6.93
		For >10 To 50, Add	3.47
		For Metal Stud Clip, Add	2.49
04 01 20 41-0153	EA	10mm Tapered To 8mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	12.38
		For Up To 10, Add	6.93
		For >10 To 50, Add	3.47
		For Metal Stud Clip, Add	2.49
04 01 20 41-0154	EA	10mm Tapered To 8mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	12.59
		For Up To 10, Add	6.93
		For >10 To 50, Add	3.47
		For Metal Stud Clip, Add	2.49
04 01 20 41-0155	EA	10mm Tapered To 8mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	12.73
		For Up To 10, Add	6.93
		For >10 To 50, Add	3.47
		For Metal Stud Clip, Add	2.49
04 01 20 41-0156	EA	10mm Tapered To 8mm Diameter, 300mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	13.08
		For Up To 10, Add	6.93
		For >10 To 50, Add	3.47
		For Metal Stud Clip, Add	2.49
04 01 20 41-0157	EA	316 Stainless Steel, Seismic Connector (Helifix® DryFix®)	5.35
		Note: For installation over the DryFix® helical pin. Excludes removal of grout from the horizontal mortar joint and installation of Helibar or 9 gauge continuous wire.	
		For Up To 10, Add	3.47
		For >10 To 50, Add	1.74

04 01 20 41-0158 Concrete Patching Pins (Helifix® PatchPin) (04 01 20 41-0001)

Note: Austenitic stainless steel. For patching reinforced concrete. Includes drilling. Excludes patching mortar.

04 01 20 41-0159 304 Stainless Steel Helical Pin, Concrete Patching Pins (Helifix® PatchPin)

(04 01 20 41-0158)

04 01 20 41-0160	EA	8mm Diameter, 70mm Length, 304 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin)	8.32
		For Up To 10, Add	6.93
		For >10 To 50, Add	3.47
04 01 20 41-0161	EA	8mm Diameter, 102mm Length, 304 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin)	8.37
		For Up To 10, Add	6.93
		For >10 To 50, Add	3.47

04 01 20 41-0162 316 Stainless Steel Helical Pin, Concrete Patching Pins (Helifix® PatchPin)

(04 01 20 41-0158)

04 01 20 41-0163	EA	8mm Diameter, 70mm Length, 316 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin)	8.58
		For Up To 10, Add	6.93
		For >10 To 50, Add	3.47

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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04 01 20 41-0164	EA	8mm Diameter, 102mm Length, 316 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin) <i>For Up To 10, Add</i> <i>For >10 To 50, Add</i>	8.64 6.93 3.47	
04 01 20 41-0165		Movement Joint Ties (Helifix® Movement Joint Tie) (04 01 20 41-0001) Note: Austenitic stainless steel. For creating movement joints in existing walls. Includes removing horizontal mortar and re-pointing mortar bed. Includes cementitious grout.		
04 01 20 41-0166		304 Stainless Steel Helical Pin, Movement Joint Ties (Helifix® Movement Joint Tie) (04 01 20 41-0165)		
04 01 20 41-0167	EA	6mm Diameter, 400mm Length, 304 Stainless Steel Helical Pin, Movement Joint Tie With De-Bond Sleeve (Helifix® Movement Joint Tie) <i>For Up To 10, Add</i> <i>For >10 To 50, Add</i>	54.15 46.20 23.10	
04 01 20 41-0168		316 Stainless Steel Helical Pin, Movement Joint Ties (Helifix® Movement Joint Tie) (04 01 20 41-0165)		
04 01 20 41-0169	EA	6mm Diameter, 400mm Length, 316 Stainless Steel Helical Pin, Movement Joint Tie With De-Bond Sleeve (Helifix® Movement Joint Tie) <i>For Up To 10, Add</i> <i>For >10 To 50, Add</i>	55.33 46.20 23.10	
04 01 20 41-0170		Unit Masonry Stabilization (04 01 20 41)		
04 01 20 41-0171		Repair Bulging Or Loose Masonry (04 01 20 41-0170)		
04 01 20 41-0172	SF	Repair Bulging Or Loose Masonry Using Existing Masonry Note: Includes saw cutting, toothing, removing loose masonry, installing anchor and reinstalling brick and mortar.	89.86	
04 01 20 41-0173	SF	Repair Bulging Or Loose Masonry Using New Masonry Note: Includes saw cutting, toothing, removing loose masonry, installing anchor and installing new brick and mortar.	95.64	
04 01 20 51		Unit Masonry Maintenance (04 01 20)		
04 01 20 51-0001		Repair Masonry (04 01 20 51) Note: Includes mortar for repair.		
04 01 20 51-0002	SF	Patch And Repair Terra Cotta Walls Or Coping Note: Including Replacement Of Damaged Material	21.27	
04 01 20 51-0003	SF	Patch And Repair Terra Cotta Floors Note: Including Replacement Of Damaged Material	19.80	
04 01 20 51-0004	LF	Chip And Repair With Masonry Patch, Cracks Up To 1/4" Note: Including Replacement Of Damaged Material	5.30	
04 01 20 51-0005	SF	Patching Over Masonry Surface With Elastomeric Paint Using A Trowel 6" Blade Note: Including Replacement Of Damaged Material	7.96	
04 01 20 51-0006	LF	Up To 1/4" Wide, Water Activated Polyurethane Foam Grout, Non-Structural Crack Repair For Masonry, Installed With Automated Injection Equipment (SealBoss 1570) <i>For Cracks Accessible From Both Sides, Add</i>	35.25 7.17	
04 01 20 51-0007	LF	Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Masonry, Installed With Automated Injection Equipment (Sikadur® 52) <i>For Cracks Accessible From Both Sides, Add</i>	30.96 7.17	
04 01 20 51-0008	LF	Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Masonry, Surface Applied Trowel (Sikadur® 52) <i>For V-Grooving Crack With Grinder, Add</i>	8.32 5.90	
04 01 20 51-0009	LF	>1/4" To 1/2" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Masonry, Surface Applied With Trowel (Sikadur® 52) <i>For V-Grooving Crack With Grinder, Add</i>	11.27 5.61	
04 01 20 51-0010		Grind Unit Masonry (04 01 20 51)		
04 01 20 51-0011	SF	Grind Smooth Masonry Wall <i>For V-Grooving Crack With Grinder, Add</i>	4.18	
04 01 20 52		Unit Masonry Cleaning (04 01 20) See CSI section 09 01 90 52-0002 for cleaning of unit masonry surfaces.		
04 01 20 91		Unit Masonry Restoration (04 01 20)		
04 01 20 91-0001		Cut And Repoint Masonry (04 01 20 91) Note: Remove existing mortar to 3/4" depth. Repoint with pointing mortar. Includes pointing mortar, cutting, rinsing and cleaning joint.		
04 01 20 91-0002	SF	Cut And Repoint, Hard Mortar, Running Bond, Brick <i>For Common Bond, Add</i> <i>For Flemish Bond, Add</i> <i>For English Bond, Add</i> <i>For Oversized Or Larger Than Standard, Deduct</i> <i>For >250 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	11.51 0.43 1.51 2.49 -1.73 -0.54 -1.12	
04 01 20 91-0003	SF	Cut And Repoint, Soft, Loose Or Crumbling Mortar, Running Bond, Brick <i>For Common Bond, Add</i> <i>For Flemish Bond, Add</i> <i>For English Bond, Add</i> <i>For Oversized Or Larger Than Standard, Deduct</i> <i>For >250 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	8.04 0.29 1.03 1.69 -1.21 -0.37 -0.77	

04 Masonry**04 01 Maintenance of Masonry****04 01 20 Maintenance of Unit Masonry**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

04 01 20 91-0004	SF	Cut And Repoint, Hard Mortar, Running Bond, Concrete Block.....	5.91	
		For Common Bond, Add	0.21	
		For Oversized Or Larger Than Standard, Deduct	-0.89	
		For >250 To 1,000, Deduct	-0.26	
		For >1,000, Deduct	-0.56	
04 01 20 91-0005	SF	Cut And Repoint, Soft, Loose Or Crumbling Mortar, Running Bond, Concrete Block.....	4.25	
		For Common Bond, Add	0.14	
		For Oversized Or Larger Than Standard, Deduct	-0.64	
		For >250 To 1,000, Deduct	-0.18	
		For >1,000, Deduct	-0.39	
04 01 20 91-0006	LF	Cut And Repoint Brick/Block, Irregular Shapes And Other Than Complete SF Area.....	3.57	

04 01 50 Maintenance of Refractory Masonry (04 01)**04 01 50 52 Refractory Masonry Cleaning** (04 01 50)**04 01 50 52-0001 Chimney Cleaning** (04 01 50 52)

04 01 50 52-0002	LF	Up To 2 SF Cross Section Chimney Cleaning	7.19	
04 01 50 52-0003	LF	>2 To 4 SF Cross Section Chimney Cleaning.....	14.36	
04 01 50 52-0004	LF	>4 SF Cross Section Chimney Cleaning.....	21.54	

04 05 Common Work Results for Masonry (04)**04 05 13 Masonry Mortaring** (04 05)**04 05 13 26 Engineered Masonry Mortaring** (04 05 13)

Note: Mortar, sand and standard supplements are included in the cost of brick, block, stone, simulated or synthetic masonry units.

04 05 13 26-0001 Masonry Cement Mortar (04 05 13 26)

Note: Ratio is bag material to sand.

04 05 13 26-0002	CF	Type M Masonry Cement 1:1:6 Mix	8.41	
04 05 13 26-0003	CF	Type N Masonry Cement 1:3 Mix	7.76	
04 05 13 26-0004	CF	Type O Masonry Cement 1:3 Mix	7.96	
04 05 13 26-0005	CF	Type PM Masonry Cement 1:1:6 Mix, 2,500 PSI	8.72	
04 05 13 26-0006	CF	Type S Masonry Cement 1/2:1:4 Mix	9.19	

04 05 13 26-0007 Mortar Admixture (04 05 13 26)

04 05 13 26-0008	CF	Water - Repellent Stearate - Cost Based On CF Of Mortar	0.38	
04 05 13 26-0009	CF	Pozzolanic Plasticizers - Cost Based On CF Of Mortar	0.07	

04 05 13 26-0010 Color Admixtures For Mortar (04 05 13 26)

Note: Costs are based on CF of mortar.

04 05 13 26-0011	CF	Buff Colored Admixture	2.42	
04 05 13 26-0012	CF	Brown Colored Admixture	2.75	
04 05 13 26-0013	CF	Black Colored Admixture	3.40	
04 05 13 26-0014	CF	Red Colored Admixture.....	7.44	

04 05 13 26-0015 Portland Cement (04 05 13 26)

04 05 13 26-0016	CF	Normal Portland Cement (Type I)	12.89	
04 05 13 26-0017	CF	Modified Portland Cement (Type II)	6.43	
04 05 13 26-0018	CF	High Early Strength Portland Cement (Type III)	6.82	
04 05 13 26-0019	CF	White Non-Staining Portland Cement (Type I)	14.28	

04 05 16 Masonry Grouting (04 05)**04 05 16 26 Engineered Masonry Grouting** (04 05 16)

Note: Excludes reinforcement.

04 05 16 26-0001 Grout Bond Beams And Lintels, Grout Fill (04 05 16 26)

Note: Excludes block.

04 05 16 26-0002	LF	Grout Bond Beams And Lintels - 6" Block, Grout Fill Only, 0.1125 CF/LF, 8" Deep	4.76	
04 05 16 26-0003	LF	Grout Bond Beams And Lintels - 8" Block, Grout Fill Only, 0.20 CF/LF, 8" Deep	5.17	
04 05 16 26-0004	LF	Grout Bond Beams And Lintels - 10" Block, Grout Fill Only, 0.25 CF/LF, 8" Deep	5.73	
04 05 16 26-0005	LF	Grout Bond Beams And Lintels, 12" Block, Grout Fill Only, 0.30 CF/LF, 8" Deep	6.39	

04 05 16 26-0006 Grout Concrete Block Cores, Grout Fill (04 05 16 26)

Note: Per SF of face area filled.

04 05 16 26-0007	SF	Grout Concrete Block Cores- 4" Block, Grout Fill Block Solid (0.067 CF/SF)	3.78	
04 05 16 26-0008	SF	Grout Concrete Block Cores- 6" Block, Grout Fill Block Solid (0.175 CF/SF)	5.41	
04 05 16 26-0009	SF	Grout Concrete Block Cores- 8" Block, Grout Fill Block Solid (0.258 CF/SF)	7.71	
04 05 16 26-0010	SF	Grout Concrete Block Cores- 10" Block, Grout Fill Block Solid (0.34 CF/SF)	9.44	
04 05 16 26-0011	SF	Grout Concrete Block Cores- 12" Block, Grout Fill Block Solid (0.422 CF/SF)	11.12	

04 05 16 26-0012 Grout Cavity Walls, Grout Fill (04 05 16 26)

Note: Per SF of face area filled.

04 05 16 26-0013	SF	Grout Cavity Walls - 2" Space, Grout Fill (0.167 CF/SF)	4.35	
04 05 16 26-0014	SF	Grout Cavity Walls - 3" Space, Grout Fill (0.250 CF/SF)	6.11	
04 05 16 26-0015	SF	Grout Cavity Walls - 4" Space, Grout Fill (0.333 CF/SF)	7.66	

04 05 16 26-0016	SF	Grout Cavity Walls - 6" Space, Grout Fill (0.500 CF/SF)	10.33	
04 05 16 26-0017		Grout Frames, Grout Fill (04 05 16 26)		
04 05 16 26-0018	LF	Grout Door Frames - Grout Fill	6.77	
04 05 16 26-0019	LF	Grout Window Frames - Grout Fill	5.78	
04 05 16 26-0020		Sand Filled Walls (04 05 16 26)		
04 05 16 26-0021		Sand Fill Cavity Walls, Sand Fill (04 05 16 26-0020)		
		Note: Per SF of face area filled.		
04 05 16 26-0022	SF	Sand Fill Cavity Walls - 2" Space, Sand Fill (0.167 CF/SF)	3.76	
04 05 16 26-0023	SF	Sand Fill Cavity Walls - 3" Space, Sand Fill (0.250 CF/SF)	5.19	
04 05 16 26-0024	SF	Sand Fill Cavity Walls - 4" Space, Sand Fill (0.333 CF/SF)	6.38	
04 05 16 26-0025	SF	Sand Fill Cavity Walls - 6" Space, Sand Fill (0.500 CF/SF)	8.51	

04 05 19 Masonry Anchorage and Reinforcing (04 05)

04 05 19 13 Continuous Joint Reinforcing (04 05 19)

Note: Includes cutting and bending.

04 05 19 13-0001		Continuous Joint Reinforcing (04 05 19 13)		
04 05 19 13-0002		Ladder-Type, Masonry Wall Reinforcement (04 05 19 13-0001)		
04 05 19 13-0003		Ladder-Type, Masonry Wall Reinforcement (04 05 19 13-0002)		
04 05 19 13-0004		Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement (04 05 19 13-0003)		
04 05 19 13-0005	CLF	#4 (For 4" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	69.85	
		For Hot-Dipped Galvanized, Add	12.32	
		For Stainless Steel, Add	49.26	
04 05 19 13-0006	CLF	#6 (For 6" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	74.19	
		For Hot-Dipped Galvanized, Add	12.94	
		For Stainless Steel, Add	51.74	
04 05 19 13-0007	CLF	#8 (For 8" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	79.98	
		For Hot-Dipped Galvanized, Add	13.64	
		For Stainless Steel, Add	54.54	
04 05 19 13-0008	CLF	#10 (For 10" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	86.83	
		For Hot-Dipped Galvanized, Add	14.43	
		For Stainless Steel, Add	57.70	
04 05 19 13-0009	CLF	#12 (For 12" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	94.83	
		For Hot-Dipped Galvanized, Add	15.20	
		For Stainless Steel, Add	60.80	
04 05 19 13-0010	CLF	#13 (For 13" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	100.73	
		For Hot-Dipped Galvanized, Add	15.58	
		For Stainless Steel, Add	62.30	
04 05 19 13-0011	CLF	#14 (For 14" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	105.07	
		For Hot-Dipped Galvanized, Add	16.01	
		For Stainless Steel, Add	64.04	
04 05 19 13-0012	CLF	#16 (For 16" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	121.70	
		For Hot-Dipped Galvanized, Add	22.01	
		For Stainless Steel, Add	88.02	
04 05 19 13-0013	CLF	#18 (For 18" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	150.37	
		For Hot-Dipped Galvanized, Add	34.02	
		For Stainless Steel, Add	136.08	
04 05 19 13-0014		Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement (04 05 19 13-0003)		
04 05 19 13-0015	CLF	#4 (For 4" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	83.51	
		For Hot-Dipped Galvanized, Add	19.14	
		For Stainless Steel, Add	76.56	
04 05 19 13-0016	CLF	#6 (For 6" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	88.00	
		For Hot-Dipped Galvanized, Add	19.84	
		For Stainless Steel, Add	79.36	
04 05 19 13-0017	CLF	#8 (For 8" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	93.93	
		For Hot-Dipped Galvanized, Add	20.61	
		For Stainless Steel, Add	82.44	
04 05 19 13-0018	CLF	#10 (For 10" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	100.64	
		For Hot-Dipped Galvanized, Add	21.33	
		For Stainless Steel, Add	85.32	

04 Masonry**04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
04 05 19 13-0019	CLF #12 (For 12" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	108.60		
	For Hot-Dipped Galvanized, Add	22.09		
	For Stainless Steel, Add	88.34		
04 05 19 13-0020	CLF #13 (For 13" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	114.56		
	For Hot-Dipped Galvanized, Add	22.50		
	For Stainless Steel, Add	90.00		
04 05 19 13-0021	CLF #14 (For 14" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	118.81		
	For Hot-Dipped Galvanized, Add	22.88		
	For Stainless Steel, Add	91.50		
04 05 19 13-0022	CLF #16 (For 16" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	139.85		
	For Hot-Dipped Galvanized, Add	31.09		
	For Stainless Steel, Add	124.34		
04 05 19 13-0023	CLF #18 (For 18" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	181.51		
	For Hot-Dipped Galvanized, Add	49.60		
	For Stainless Steel, Add	198.38		
04 05 19 13-0024 Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement (04 05 19 13-0003)				
04 05 19 13-0025	CLF #4 (For 4" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	96.75		
	For Hot-Dipped Galvanized, Add	25.76		
	For Stainless Steel, Add	103.04		
04 05 19 13-0026	CLF #6 (For 6" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	103.06		
	For Hot-Dipped Galvanized, Add	27.18		
	For Stainless Steel, Add	108.70		
04 05 19 13-0027	CLF #8 (For 8" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	109.37		
	For Hot-Dipped Galvanized, Add	28.59		
	For Stainless Steel, Add	114.36		
04 05 19 13-0028	CLF #10 (For 10" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	118.55		
	For Hot-Dipped Galvanized, Add	30.29		
	For Stainless Steel, Add	121.14		
04 05 19 13-0029	CLF #12 (For 12" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	127.72		
	For Hot-Dipped Galvanized, Add	31.97		
	For Stainless Steel, Add	127.86		
04 05 19 13-0030	CLF #13 (For 13" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	135.32		
	For Hot-Dipped Galvanized, Add	32.87		
	For Stainless Steel, Add	131.48		
04 05 19 13-0031	CLF #14 (For 14" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	139.77		
	For Hot-Dipped Galvanized, Add	33.65		
	For Stainless Steel, Add	134.58		
04 05 19 13-0032	CLF #16 (For 16" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	148.08		
	For Hot-Dipped Galvanized, Add	35.19		
	For Stainless Steel, Add	140.76		
04 05 19 13-0033	CLF #18 (For 18" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	199.26		
	For Hot-Dipped Galvanized, Add	58.46		
	For Stainless Steel, Add	233.84		
04 05 19 13-0034 Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement (04 05 19 13-0003)				
04 05 19 13-0035	CLF #4 (For 4" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	101.30		
	For Hot-Dipped Galvanized, Add	28.04		
	For Stainless Steel, Add	112.14		
04 05 19 13-0036	CLF #6 (For 6" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	105.61		
	For Hot-Dipped Galvanized, Add	28.65		
	For Stainless Steel, Add	114.58		
04 05 19 13-0037	CLF #8 (For 8" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	111.40		
	For Hot-Dipped Galvanized, Add	29.35		
	For Stainless Steel, Add	117.38		
04 05 19 13-0038	CLF #10 (For 10" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	118.25		
	For Hot-Dipped Galvanized, Add	30.14		
	For Stainless Steel, Add	120.54		
04 05 19 13-0039	CLF #12 (For 12" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	126.25		
	For Hot-Dipped Galvanized, Add	30.91		
	For Stainless Steel, Add	123.64		
04 05 19 13-0040	CLF #13 (For 13" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	132.15		
	For Hot-Dipped Galvanized, Add	31.29		
	For Stainless Steel, Add	125.14		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0041 CLF #14 (For 14" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	136.88	
For Hot-Dipped Galvanized, Add	31.72	
For Stainless Steel, Add	126.86	
04 05 19 13-0042 CLF #16 (For 16" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	153.13	
For Hot-Dipped Galvanized, Add	37.72	
For Stainless Steel, Add	150.86	
04 05 19 13-0043 Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement (04 05 19 13-0003)		
04 05 19 13-0044 CLF #4 (For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	114.95	
For Hot-Dipped Galvanized, Add	34.86	
For Stainless Steel, Add	139.44	
04 05 19 13-0045 CLF #6 (For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	119.44	
For Hot-Dipped Galvanized, Add	35.56	
For Stainless Steel, Add	142.24	
04 05 19 13-0046 CLF #8 (For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	125.38	
For Hot-Dipped Galvanized, Add	36.34	
For Stainless Steel, Add	145.34	
04 05 19 13-0047 CLF #10 (For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	132.08	
For Hot-Dipped Galvanized, Add	37.05	
For Stainless Steel, Add	148.20	
04 05 19 13-0048 CLF #12 (For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	140.04	
For Hot-Dipped Galvanized, Add	37.81	
For Stainless Steel, Add	151.22	
04 05 19 13-0049 CLF #13 (For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	146.00	
For Hot-Dipped Galvanized, Add	38.22	
For Stainless Steel, Add	152.88	
04 05 19 13-0050 CLF #14 (For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	150.25	
For Hot-Dipped Galvanized, Add	38.60	
For Stainless Steel, Add	154.38	
04 05 19 13-0051 CLF #16 (For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	171.30	
For Hot-Dipped Galvanized, Add	46.81	
For Stainless Steel, Add	187.22	
04 05 19 13-0052 CLF #18 (For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	212.95	
For Hot-Dipped Galvanized, Add	65.32	
For Stainless Steel, Add	261.28	
04 05 19 13-0053 Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement (04 05 19 13-0003)		
04 05 19 13-0054 CLF #4 (For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	128.17	
For Hot-Dipped Galvanized, Add	41.47	
For Stainless Steel, Add	165.88	
04 05 19 13-0055 CLF #6 (For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	134.49	
For Hot-Dipped Galvanized, Add	42.89	
For Stainless Steel, Add	171.56	
04 05 19 13-0056 CLF #8 (For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	140.80	
For Hot-Dipped Galvanized, Add	44.31	
For Stainless Steel, Add	177.22	
04 05 19 13-0057 CLF #10 (For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	149.97	
For Hot-Dipped Galvanized, Add	46.00	
For Stainless Steel, Add	183.98	
04 05 19 13-0058 CLF #12 (For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	159.16	
For Hot-Dipped Galvanized, Add	47.69	
For Stainless Steel, Add	190.74	
04 05 19 13-0059 CLF #13 (For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	166.74	
For Hot-Dipped Galvanized, Add	48.58	
For Stainless Steel, Add	194.32	
04 05 19 13-0060 CLF #14 (For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	171.19	
For Hot-Dipped Galvanized, Add	49.36	
For Stainless Steel, Add	197.42	
04 05 19 13-0061 CLF #16 (For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	179.50	
For Hot-Dipped Galvanized, Add	50.90	
For Stainless Steel, Add	203.60	
04 05 19 13-0062 CLF #18 (For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	230.69	
For Hot-Dipped Galvanized, Add	74.18	
For Stainless Steel, Add	296.70	

04 Masonry**04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

04 05 19 13-0063	Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement (04 05 19 13-0003)		
04 05 19 13-0064	CLF #4 (For 4" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	132.73	
	For Hot-Dipped Galvanized, Add	43.75	
	For Stainless Steel, Add	175.00	
04 05 19 13-0065	CLF #6 (For 6" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	137.04	
	For Hot-Dipped Galvanized, Add	44.36	
	For Stainless Steel, Add	177.44	
04 05 19 13-0066	CLF #8 (For 8" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	142.83	
	For Hot-Dipped Galvanized, Add	45.06	
	For Stainless Steel, Add	180.24	
04 05 19 13-0067	CLF #10 (For 10" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	149.68	
	For Hot-Dipped Galvanized, Add	45.85	
	For Stainless Steel, Add	183.40	
04 05 19 13-0068	CLF #12 (For 12" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	157.68	
	For Hot-Dipped Galvanized, Add	46.63	
	For Stainless Steel, Add	186.50	
04 05 19 13-0069	CLF #13 (For 13" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	163.58	
	For Hot-Dipped Galvanized, Add	47.00	
	For Stainless Steel, Add	188.00	
04 05 19 13-0070	CLF #14 (For 14" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	167.91	
	For Hot-Dipped Galvanized, Add	47.43	
	For Stainless Steel, Add	189.72	
04 05 19 13-0071	CLF #16 (For 16" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	184.56	
	For Hot-Dipped Galvanized, Add	53.43	
	For Stainless Steel, Add	213.72	
04 05 19 13-0072	CLF #18 (For 18" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	213.22	
	For Hot-Dipped Galvanized, Add	65.45	
	For Stainless Steel, Add	261.78	
04 05 19 13-0073	Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement (04 05 19 13-0003)		
04 05 19 13-0074	CLF #4 (For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	146.38	
	For Hot-Dipped Galvanized, Add	50.58	
	For Stainless Steel, Add	202.30	
04 05 19 13-0075	CLF #6 (For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	150.87	
	For Hot-Dipped Galvanized, Add	51.28	
	For Stainless Steel, Add	205.10	
04 05 19 13-0076	CLF #8 (For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	156.81	
	For Hot-Dipped Galvanized, Add	52.05	
	For Stainless Steel, Add	208.20	
04 05 19 13-0077	CLF #10 (For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, Four-Wire, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	163.51	
	For Hot-Dipped Galvanized, Add	52.77	
	For Stainless Steel, Add	211.06	
04 05 19 13-0078	CLF #12 (For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	171.47	
	For Hot-Dipped Galvanized, Add	53.52	
	For Stainless Steel, Add	214.08	
04 05 19 13-0079	CLF #13 (For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	177.43	
	For Hot-Dipped Galvanized, Add	53.94	
	For Stainless Steel, Add	215.74	
04 05 19 13-0080	CLF #14 (For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	181.68	
	For Hot-Dipped Galvanized, Add	54.31	
	For Stainless Steel, Add	217.24	
04 05 19 13-0081	CLF #16 (For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	202.73	
	For Hot-Dipped Galvanized, Add	62.52	
	For Stainless Steel, Add	250.08	
04 05 19 13-0082	CLF #18 (For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	244.38	
	For Hot-Dipped Galvanized, Add	81.04	
	For Stainless Steel, Add	324.14	
04 05 19 13-0083	Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement (04 05 19 13-0003)		
04 05 19 13-0084	CLF #4 (For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	159.60	
	For Hot-Dipped Galvanized, Add	57.19	
	For Stainless Steel, Add	228.74	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0085	CLF	#6 (For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	165.92	
		For Hot-Dipped Galvanized, Add	58.61	
		For Stainless Steel, Add	234.42	
04 05 19 13-0086	CLF	#8 (For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	172.23	
		For Hot-Dipped Galvanized, Add	60.02	
		For Stainless Steel, Add	240.08	
04 05 19 13-0087	CLF	#10 (For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	181.40	
		For Hot-Dipped Galvanized, Add	61.71	
		For Stainless Steel, Add	246.84	
04 05 19 13-0088	CLF	#12 (For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	190.59	
		For Hot-Dipped Galvanized, Add	63.40	
		For Stainless Steel, Add	253.60	
04 05 19 13-0089	CLF	#13 (For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	198.17	
		For Hot-Dipped Galvanized, Add	64.30	
		For Stainless Steel, Add	257.18	
04 05 19 13-0090	CLF	#14 (For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	202.62	
		For Hot-Dipped Galvanized, Add	65.07	
		For Stainless Steel, Add	260.28	
04 05 19 13-0091	CLF	#16 (For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	210.93	
		For Hot-Dipped Galvanized, Add	66.62	
		For Stainless Steel, Add	266.46	
04 05 19 13-0092	CLF	#18 (For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	262.12	
		For Hot-Dipped Galvanized, Add	89.89	
		For Stainless Steel, Add	359.56	
04 05 19 13-0093		Ladder-Type With Tabs, Masonry Wall Reinforcement (04 05 19 13-0002)		
04 05 19 13-0094		9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement (04 05 19 13-0093)		
04 05 19 13-0095	CLF	#8 (For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	100.57	
		For Hot-Dipped Galvanized, Add	20.93	
		For Stainless Steel, Add	83.72	
04 05 19 13-0096	CLF	#10 (For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	110.94	
		For Hot-Dipped Galvanized, Add	22.86	
		For Stainless Steel, Add	91.42	
04 05 19 13-0097	CLF	#12 (For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	120.87	
		For Hot-Dipped Galvanized, Add	24.56	
		For Stainless Steel, Add	98.22	
04 05 19 13-0098	CLF	#13 (For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	129.35	
		For Hot-Dipped Galvanized, Add	25.54	
		For Stainless Steel, Add	102.14	
04 05 19 13-0099	CLF	#14 (For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	134.42	
		For Hot-Dipped Galvanized, Add	26.44	
		For Stainless Steel, Add	105.76	
04 05 19 13-0100	CLF	#16 (For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	144.32	
		For Hot-Dipped Galvanized, Add	28.46	
		For Stainless Steel, Add	113.82	
04 05 19 13-0101	CLF	#18 (For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	152.86	
		For Hot-Dipped Galvanized, Add	30.12	
		For Stainless Steel, Add	120.46	
04 05 19 13-0102		3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement (04 05 19 13-0093)		
04 05 19 13-0103	CLF	#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	117.58	
		For Hot-Dipped Galvanized, Add	29.44	
		For Stainless Steel, Add	117.74	
04 05 19 13-0104	CLF	#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	127.99	
		For Hot-Dipped Galvanized, Add	31.38	
		For Stainless Steel, Add	125.52	
04 05 19 13-0105	CLF	#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	137.73	
		For Hot-Dipped Galvanized, Add	32.99	
		For Stainless Steel, Add	131.94	
04 05 19 13-0106	CLF	#13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	146.40	
		For Hot-Dipped Galvanized, Add	34.06	
		For Stainless Steel, Add	136.24	

04 Masonry**04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

04 05 19 13-0107	CLF #14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	151.43	
	<i>For Hot-Dipped Galvanized, Add</i>	34.95	
	<i>For Stainless Steel, Add</i>	139.78	
04 05 19 13-0108	CLF #16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	161.33	
	<i>For Hot-Dipped Galvanized, Add</i>	36.96	
	<i>For Stainless Steel, Add</i>	147.84	
04 05 19 13-0109	CLF #18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	170.10	
	<i>For Hot-Dipped Galvanized, Add</i>	38.74	
	<i>For Stainless Steel, Add</i>	154.94	

04 05 19 13-0110 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement
(04 05 19 13-0093)

04 05 19 13-0111	CLF #8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	125.84	
	<i>For Hot-Dipped Galvanized, Add</i>	33.57	
	<i>For Stainless Steel, Add</i>	134.26	
04 05 19 13-0112	CLF #10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	138.21	
	<i>For Hot-Dipped Galvanized, Add</i>	36.49	
	<i>For Stainless Steel, Add</i>	145.96	
04 05 19 13-0113	CLF #12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	150.47	
	<i>For Hot-Dipped Galvanized, Add</i>	39.36	
	<i>For Stainless Steel, Add</i>	157.42	
04 05 19 13-0114	CLF #13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	160.05	
	<i>For Hot-Dipped Galvanized, Add</i>	40.89	
	<i>For Stainless Steel, Add</i>	163.54	
04 05 19 13-0115	CLF #14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	166.10	
	<i>For Hot-Dipped Galvanized, Add</i>	42.28	
	<i>For Stainless Steel, Add</i>	169.12	
04 05 19 13-0116	CLF #16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	177.93	
	<i>For Hot-Dipped Galvanized, Add</i>	45.26	
	<i>For Stainless Steel, Add</i>	181.04	
04 05 19 13-0117	CLF #18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	188.99	
	<i>For Hot-Dipped Galvanized, Add</i>	48.18	
	<i>For Stainless Steel, Add</i>	192.72	

04 05 19 13-0118 Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement
(04 05 19 13-0002)
04 05 19 13-0119 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement
(04 05 19 13-0118)

04 05 19 13-0120	CLF #8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	146.36	
	<i>For Hot-Dipped Galvanized, Add</i>	43.83	
	<i>For Stainless Steel, Add</i>	175.30	
04 05 19 13-0121	CLF #10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	155.56	
	<i>For Hot-Dipped Galvanized, Add</i>	45.17	
	<i>For Stainless Steel, Add</i>	180.66	
04 05 19 13-0122	CLF #12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	164.81	
	<i>For Hot-Dipped Galvanized, Add</i>	46.53	
	<i>For Stainless Steel, Add</i>	186.10	
04 05 19 13-0123	CLF #14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	177.60	
	<i>For Hot-Dipped Galvanized, Add</i>	48.03	
	<i>For Stainless Steel, Add</i>	192.12	
04 05 19 13-0124	CLF #16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	186.49	
	<i>For Hot-Dipped Galvanized, Add</i>	49.54	
	<i>For Stainless Steel, Add</i>	198.16	
04 05 19 13-0125	CLF #18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	196.31	
	<i>For Hot-Dipped Galvanized, Add</i>	51.84	
	<i>For Stainless Steel, Add</i>	207.36	

04 05 19 13-0126 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement
(04 05 19 13-0118)

04 05 19 13-0127	CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	173.03	
	<i>For Hot-Dipped Galvanized, Add</i>	57.16	
	<i>For Stainless Steel, Add</i>	228.64	
04 05 19 13-0128	CLF #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	182.26	
	<i>For Hot-Dipped Galvanized, Add</i>	58.52	
	<i>For Stainless Steel, Add</i>	234.06	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0129	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	191.85	
		For Hot-Dipped Galvanized, Add	60.05	
		For Stainless Steel, Add	240.18	
04 05 19 13-0130	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	204.31	
		For Hot-Dipped Galvanized, Add	61.39	
		For Stainless Steel, Add	245.54	
04 05 19 13-0131	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	213.23	
		For Hot-Dipped Galvanized, Add	62.91	
		For Stainless Steel, Add	251.64	
04 05 19 13-0132	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	221.51	
		For Hot-Dipped Galvanized, Add	64.44	
		For Stainless Steel, Add	257.76	
04 05 19 13-0133 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement (04 05 19 13-0118)				
04 05 19 13-0134	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	174.99	
		For Hot-Dipped Galvanized, Add	58.14	
		For Stainless Steel, Add	232.56	
04 05 19 13-0135	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	185.69	
		For Hot-Dipped Galvanized, Add	60.23	
		For Stainless Steel, Add	240.92	
04 05 19 13-0136	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	196.37	
		For Hot-Dipped Galvanized, Add	62.31	
		For Stainless Steel, Add	249.22	
04 05 19 13-0137	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	211.17	
		For Hot-Dipped Galvanized, Add	64.82	
		For Stainless Steel, Add	259.26	
04 05 19 13-0138	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	222.02	
		For Hot-Dipped Galvanized, Add	67.31	
		For Stainless Steel, Add	269.22	
04 05 19 13-0139	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	232.18	
		For Hot-Dipped Galvanized, Add	69.78	
		For Stainless Steel, Add	279.10	
04 05 19 13-0140 Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement (04 05 19 13-0002)				
04 05 19 13-0141 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement (04 05 19 13-0140)				
04 05 19 13-0142	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	157.86	
		For Hot-Dipped Galvanized, Add	46.32	
		For Stainless Steel, Add	185.26	
04 05 19 13-0143	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	167.03	
		For Hot-Dipped Galvanized, Add	47.64	
		For Stainless Steel, Add	190.54	
04 05 19 13-0144	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	179.45	
		For Hot-Dipped Galvanized, Add	48.96	
		For Stainless Steel, Add	195.82	
04 05 19 13-0145	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	188.45	
		For Hot-Dipped Galvanized, Add	50.52	
		For Stainless Steel, Add	202.08	
04 05 19 13-0146	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	196.69	
		For Hot-Dipped Galvanized, Add	52.03	
		For Stainless Steel, Add	208.12	
04 05 19 13-0147	CLF	#20 (For 14" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	206.39	
		For Hot-Dipped Galvanized, Add	55.07	
		For Stainless Steel, Add	220.26	
04 05 19 13-0148 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement (04 05 19 13-0140)				
04 05 19 13-0149	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	184.56	
		For Hot-Dipped Galvanized, Add	59.67	
		For Stainless Steel, Add	238.66	
04 05 19 13-0150	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	193.77	
		For Hot-Dipped Galvanized, Add	61.01	
		For Stainless Steel, Add	244.02	

04 Masonry**04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
04 05 19 13-0151	CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	206.57		
	For Hot-Dipped Galvanized, Add	62.52		
	For Stainless Steel, Add	250.06		
04 05 19 13-0152	CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	215.12		
	For Hot-Dipped Galvanized, Add	63.86		
	For Stainless Steel, Add	255.42		
04 05 19 13-0153	CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	223.39		
	For Hot-Dipped Galvanized, Add	65.38		
	For Stainless Steel, Add	261.52		
04 05 19 13-0154	CLF #20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	233.43		
	For Hot-Dipped Galvanized, Add	68.59		
	For Stainless Steel, Add	274.34		
04 05 19 13-0155	3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement (04 05 19 13-0140)			
04 05 19 13-0156	CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	186.45		
	For Hot-Dipped Galvanized, Add	60.61		
	For Stainless Steel, Add	242.44		
04 05 19 13-0157	CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	197.17		
	For Hot-Dipped Galvanized, Add	62.71		
	For Stainless Steel, Add	250.82		
04 05 19 13-0158	CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	211.17		
	For Hot-Dipped Galvanized, Add	64.82		
	For Stainless Steel, Add	259.26		
04 05 19 13-0159	CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	222.02		
	For Hot-Dipped Galvanized, Add	67.31		
	For Stainless Steel, Add	269.22		
04 05 19 13-0160	CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	232.18		
	For Hot-Dipped Galvanized, Add	69.78		
	For Stainless Steel, Add	279.10		
04 05 19 13-0161	CLF #20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	242.90		
	For Hot-Dipped Galvanized, Add	73.32		
	For Stainless Steel, Add	293.28		
04 05 19 13-0162	Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement (04 05 19 13-0002)			
04 05 19 13-0163	9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement (04 05 19 13-0162)			
04 05 19 13-0164	CLF #8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	149.07		
	For Hot-Dipped Galvanized, Add	41.92		
	For Stainless Steel, Add	167.68		
	For Seismic Hook And Eye, Add	18.03		
04 05 19 13-0165	CLF #10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	157.79		
	For Hot-Dipped Galvanized, Add	43.02		
	For Stainless Steel, Add	172.06		
	For Seismic Hook And Eye, Add	18.50		
04 05 19 13-0166	CLF #12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	169.91		
	For Hot-Dipped Galvanized, Add	44.19		
	For Stainless Steel, Add	176.74		
	For Seismic Hook And Eye, Add	19.00		
04 05 19 13-0167	CLF #14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	178.27		
	For Hot-Dipped Galvanized, Add	45.43		
	For Stainless Steel, Add	181.72		
	For Seismic Hook And Eye, Add	19.53		
04 05 19 13-0168	CLF #16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	186.09		
	For Hot-Dipped Galvanized, Add	46.73		
	For Stainless Steel, Add	186.92		
	For Seismic Hook And Eye, Add	20.09		
04 05 19 13-0169	CLF #18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	192.06		
	For Hot-Dipped Galvanized, Add	47.90		
	For Stainless Steel, Add	191.60		
	For Seismic Hook And Eye, Add	20.60		
04 05 19 13-0170	3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement (04 05 19 13-0162)			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST

04 05 19 13-0171	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	174.12		
		For Hot-Dipped Galvanized, Add	54.45		
		For Stainless Steel, Add	217.78		
		For Seismic Hook And Eye, Add	23.41		
04 05 19 13-0172	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	182.34		
		For Hot-Dipped Galvanized, Add	55.29		
		For Stainless Steel, Add	221.16		
		For Seismic Hook And Eye, Add	23.77		
04 05 19 13-0173	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	194.54		
		For Hot-Dipped Galvanized, Add	56.50		
		For Stainless Steel, Add	226.00		
		For Seismic Hook And Eye, Add	24.30		
04 05 19 13-0174	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	202.75		
		For Hot-Dipped Galvanized, Add	57.67		
		For Stainless Steel, Add	230.68		
		For Seismic Hook And Eye, Add	24.80		
04 05 19 13-0175	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	210.30		
		For Hot-Dipped Galvanized, Add	58.84		
		For Stainless Steel, Add	235.34		
		For Seismic Hook And Eye, Add	25.30		
04 05 19 13-0176	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	218.99		
		For Hot-Dipped Galvanized, Add	61.37		
		For Stainless Steel, Add	245.46		
		For Seismic Hook And Eye, Add	26.39		

**04 05 19 13-0177 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties
For Composite Walls, Masonry Wall Reinforcement** (04 05 19 13-0162)

04 05 19 13-0178	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	175.96		
		For Hot-Dipped Galvanized, Add	55.37		
		For Stainless Steel, Add	221.46		
		For Seismic Hook And Eye, Add	23.81		
04 05 19 13-0179	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	186.49		
		For Hot-Dipped Galvanized, Add	57.37		
		For Stainless Steel, Add	229.46		
		For Seismic Hook And Eye, Add	24.67		
04 05 19 13-0180	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	200.23		
		For Hot-Dipped Galvanized, Add	59.35		
		For Stainless Steel, Add	237.38		
		For Seismic Hook And Eye, Add	25.52		
04 05 19 13-0181	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	210.85		
		For Hot-Dipped Galvanized, Add	61.72		
		For Stainless Steel, Add	246.88		
		For Seismic Hook And Eye, Add	26.54		
04 05 19 13-0182	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	220.83		
		For Hot-Dipped Galvanized, Add	64.10		
		For Stainless Steel, Add	256.40		
		For Seismic Hook And Eye, Add	27.56		
04 05 19 13-0183	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	229.17		
		For Hot-Dipped Galvanized, Add	66.46		
		For Stainless Steel, Add	265.82		
		For Seismic Hook And Eye, Add	28.58		

**04 05 19 13-0184 Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall
Reinforcement** (04 05 19 13-0002)

**04 05 19 13-0185 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And
Eye Ties For Cavity Walls, Masonry Wall Reinforcement** (04 05 19 13-0184)

04 05 19 13-0186	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	160.58		
		For Hot-Dipped Galvanized, Add	44.41		
		For Stainless Steel, Add	177.64		
		For Seismic Hook And Eye, Add	19.10		
04 05 19 13-0187	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	172.51		
		For Hot-Dipped Galvanized, Add	45.49		
		For Stainless Steel, Add	181.94		
		For Seismic Hook And Eye, Add	19.56		
04 05 19 13-0188	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	180.53		
		For Hot-Dipped Galvanized, Add	46.56		
		For Stainless Steel, Add	186.24		
		For Seismic Hook And Eye, Add	20.02		

04 Masonry**04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

04 05 19 13-0189	CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	188.50
	<i>For Hot-Dipped Galvanized, Add</i>	47.94
	<i>For Stainless Steel, Add</i>	191.74
	<i>For Seismic Hook And Eye, Add</i>	20.61
04 05 19 13-0190	CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	194.62
	<i>For Hot-Dipped Galvanized, Add</i>	49.18
	<i>For Stainless Steel, Add</i>	196.72
	<i>For Seismic Hook And Eye, Add</i>	21.15

04 05 19 13-0191 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement
(04 05 19 13-0184)

04 05 19 13-0192	CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	184.72
	<i>For Hot-Dipped Galvanized, Add</i>	56.48
	<i>For Stainless Steel, Add</i>	225.92
	<i>For Seismic Hook And Eye, Add</i>	24.29
04 05 19 13-0193	CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	196.84
	<i>For Hot-Dipped Galvanized, Add</i>	57.65
	<i>For Stainless Steel, Add</i>	230.60
	<i>For Seismic Hook And Eye, Add</i>	24.79
04 05 19 13-0194	CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	205.20
	<i>For Hot-Dipped Galvanized, Add</i>	58.90
	<i>For Stainless Steel, Add</i>	235.58
	<i>For Seismic Hook And Eye, Add</i>	25.32
04 05 19 13-0195	CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	212.42
	<i>For Hot-Dipped Galvanized, Add</i>	59.90
	<i>For Stainless Steel, Add</i>	239.58
	<i>For Seismic Hook And Eye, Add</i>	25.75
04 05 19 13-0196	CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	218.76
	<i>For Hot-Dipped Galvanized, Add</i>	61.25
	<i>For Stainless Steel, Add</i>	245.00
	<i>For Seismic Hook And Eye, Add</i>	26.34

04 05 19 13-0197 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement
(04 05 19 13-0184)

04 05 19 13-0198	CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	187.21
	<i>For Hot-Dipped Galvanized, Add</i>	57.73
	<i>For Stainless Steel, Add</i>	230.90
	<i>For Seismic Hook And Eye, Add</i>	24.82
04 05 19 13-0199	CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	200.99
	<i>For Hot-Dipped Galvanized, Add</i>	59.73
	<i>For Stainless Steel, Add</i>	238.90
	<i>For Seismic Hook And Eye, Add</i>	25.68
04 05 19 13-0200	CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	210.85
	<i>For Hot-Dipped Galvanized, Add</i>	61.72
	<i>For Stainless Steel, Add</i>	246.88
	<i>For Seismic Hook And Eye, Add</i>	26.54
04 05 19 13-0201	CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	220.83
	<i>For Hot-Dipped Galvanized, Add</i>	64.10
	<i>For Stainless Steel, Add</i>	256.40
	<i>For Seismic Hook And Eye, Add</i>	27.56
04 05 19 13-0202	CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	229.17
	<i>For Hot-Dipped Galvanized, Add</i>	66.46
	<i>For Stainless Steel, Add</i>	265.82
	<i>For Seismic Hook And Eye, Add</i>	28.58

04 05 19 13-0203 Truss-Type, Masonry Wall Reinforcement
(04 05 19 13-0001)
04 05 19 13-0204 Truss-Type, Masonry Wall Reinforcement
(04 05 19 13-0203)
04 05 19 13-0205 Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement
(04 05 19 13-0204)

04 05 19 13-0206	CLF #4 (For 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	80.14
	<i>For Hot-Dipped Galvanized, Add</i>	17.46
	<i>For Stainless Steel, Add</i>	69.84
04 05 19 13-0207	CLF #6 (For 6" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	83.62
	<i>For Hot-Dipped Galvanized, Add</i>	17.65
	<i>For Stainless Steel, Add</i>	70.60
04 05 19 13-0208	CLF #8 (For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	89.41
	<i>For Hot-Dipped Galvanized, Add</i>	18.35
	<i>For Stainless Steel, Add</i>	73.40

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0209	CLF	#10 (For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	96.49	
		For Hot-Dipped Galvanized, Add	19.26	
		For Stainless Steel, Add	77.02	
04 05 19 13-0210	CLF	#12 (For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	104.97	
		For Hot-Dipped Galvanized, Add	20.27	
		For Stainless Steel, Add	81.08	
04 05 19 13-0211	CLF	#13 (For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	111.22	
		For Hot-Dipped Galvanized, Add	20.82	
		For Stainless Steel, Add	83.28	
04 05 19 13-0212	CLF	#14 (For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	115.70	
		For Hot-Dipped Galvanized, Add	21.61	
		For Stainless Steel, Add	86.44	
04 05 19 13-0213	CLF	#16 (For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	138.40	
		For Hot-Dipped Galvanized, Add	30.36	
		For Stainless Steel, Add	121.44	
04 05 19 13-0214	CLF	#18 (For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	146.51	
		For Hot-Dipped Galvanized, Add	32.10	
		For Stainless Steel, Add	128.38	
04 05 19 13-0215	CLF	#20 (For 20" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	199.17	
		For Hot-Dipped Galvanized, Add	55.52	
		For Stainless Steel, Add	222.08	
04 05 19 13-0216 Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement				
		(04 05 19 13-0204)		
04 05 19 13-0217	CLF	#4 (For 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	93.66	
		For Hot-Dipped Galvanized, Add	24.22	
		For Stainless Steel, Add	96.86	
04 05 19 13-0218	CLF	#6 (For 6" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	97.43	
		For Hot-Dipped Galvanized, Add	24.56	
		For Stainless Steel, Add	98.22	
04 05 19 13-0219	CLF	#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	103.21	
		For Hot-Dipped Galvanized, Add	25.25	
		For Stainless Steel, Add	101.00	
04 05 19 13-0220	CLF	#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	110.25	
		For Hot-Dipped Galvanized, Add	26.14	
		For Stainless Steel, Add	104.54	
04 05 19 13-0221	CLF	#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	118.55	
		For Hot-Dipped Galvanized, Add	27.06	
		For Stainless Steel, Add	108.24	
04 05 19 13-0222	CLF	#13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	124.96	
		For Hot-Dipped Galvanized, Add	27.70	
		For Stainless Steel, Add	110.80	
04 05 19 13-0223	CLF	#14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	129.24	
		For Hot-Dipped Galvanized, Add	28.38	
		For Stainless Steel, Add	113.52	
04 05 19 13-0224	CLF	#16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	156.58	
		For Hot-Dipped Galvanized, Add	39.45	
		For Stainless Steel, Add	157.80	
04 05 19 13-0225	CLF	#18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	164.69	
		For Hot-Dipped Galvanized, Add	41.19	
		For Stainless Steel, Add	164.74	
04 05 19 13-0226	CLF	#20 (For 20" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	237.94	
		For Hot-Dipped Galvanized, Add	77.81	
		For Stainless Steel, Add	311.24	
04 05 19 13-0227 Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement				
		(04 05 19 13-0204)		
04 05 19 13-0228	CLF	#4 (For 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	114.33	
		For Hot-Dipped Galvanized, Add	34.55	
		For Stainless Steel, Add	138.20	
04 05 19 13-0229	CLF	#6 (For 6" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	118.67	
		For Hot-Dipped Galvanized, Add	34.98	
		For Stainless Steel, Add	139.92	
04 05 19 13-0230	CLF	#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	124.72	
		For Hot-Dipped Galvanized, Add	36.27	
		For Stainless Steel, Add	145.06	
04 05 19 13-0231	CLF	#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	134.02	
		For Hot-Dipped Galvanized, Add	38.02	
		For Stainless Steel, Add	152.08	

04 Masonry**04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

04 05 19 13-0232	CLF #12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	144.20	
	<i>For Hot-Dipped Galvanized, Add</i>	40.21	
	<i>For Stainless Steel, Add</i>	160.82	
04 05 19 13-0233	CLF #13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	151.99	
	<i>For Hot-Dipped Galvanized, Add</i>	41.21	
	<i>For Stainless Steel, Add</i>	164.82	
04 05 19 13-0234	CLF #14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	157.87	
	<i>For Hot-Dipped Galvanized, Add</i>	42.70	
	<i>For Stainless Steel, Add</i>	170.78	
04 05 19 13-0235	CLF #16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	197.56	
	<i>For Hot-Dipped Galvanized, Add</i>	59.93	
	<i>For Stainless Steel, Add</i>	239.72	
04 05 19 13-0236	CLF #18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	208.99	
	<i>For Hot-Dipped Galvanized, Add</i>	63.33	
	<i>For Stainless Steel, Add</i>	253.30	
04 05 19 13-0237	CLF #20 (For 20" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	307.11	
	<i>For Hot-Dipped Galvanized, Add</i>	109.49	
	<i>For Stainless Steel, Add</i>	437.96	

04 05 19 13-0238 Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement

(04 05 19 13-0204)

04 05 19 13-0239	CLF #4 (For 4" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	101.30	
	<i>For Hot-Dipped Galvanized, Add</i>	28.04	
	<i>For Stainless Steel, Add</i>	112.14	
04 05 19 13-0240	CLF #6 (For 6" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	105.61	
	<i>For Hot-Dipped Galvanized, Add</i>	28.65	
	<i>For Stainless Steel, Add</i>	114.58	
04 05 19 13-0241	CLF #8 (For 8" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	111.40	
	<i>For Hot-Dipped Galvanized, Add</i>	29.35	
	<i>For Stainless Steel, Add</i>	117.38	
04 05 19 13-0242	CLF #10 (For 10" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	118.25	
	<i>For Hot-Dipped Galvanized, Add</i>	30.14	
	<i>For Stainless Steel, Add</i>	120.54	
04 05 19 13-0243	CLF #12 (For 12" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	126.25	
	<i>For Hot-Dipped Galvanized, Add</i>	30.91	
	<i>For Stainless Steel, Add</i>	123.64	
04 05 19 13-0244	CLF #13 (For 13" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	132.15	
	<i>For Hot-Dipped Galvanized, Add</i>	31.29	
	<i>For Stainless Steel, Add</i>	125.14	
04 05 19 13-0245	CLF #14 (For 14" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	136.48	
	<i>For Hot-Dipped Galvanized, Add</i>	31.72	
	<i>For Stainless Steel, Add</i>	126.86	
04 05 19 13-0246	CLF #16 (For 16" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	153.13	
	<i>For Hot-Dipped Galvanized, Add</i>	37.72	
	<i>For Stainless Steel, Add</i>	150.86	

04 05 19 13-0247 Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement

(04 05 19 13-0204)

04 05 19 13-0248	CLF #4 (For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	114.95	
	<i>For Hot-Dipped Galvanized, Add</i>	34.86	
	<i>For Stainless Steel, Add</i>	139.44	
04 05 19 13-0249	CLF #6 (For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	119.44	
	<i>For Hot-Dipped Galvanized, Add</i>	35.56	
	<i>For Stainless Steel, Add</i>	142.24	
04 05 19 13-0250	CLF #8 (For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	125.38	
	<i>For Hot-Dipped Galvanized, Add</i>	36.34	
	<i>For Stainless Steel, Add</i>	145.34	
04 05 19 13-0251	CLF #10 (For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	132.08	
	<i>For Hot-Dipped Galvanized, Add</i>	37.05	
	<i>For Stainless Steel, Add</i>	148.20	
04 05 19 13-0252	CLF #12 (For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	140.04	
	<i>For Hot-Dipped Galvanized, Add</i>	37.81	
	<i>For Stainless Steel, Add</i>	151.22	
04 05 19 13-0253	CLF #13 (For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	146.00	
	<i>For Hot-Dipped Galvanized, Add</i>	38.22	
	<i>For Stainless Steel, Add</i>	152.88	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
04 05 19 13-0254	CLF	#14	(For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	150.25	
			For Hot-Dipped Galvanized, Add	38.60	
			For Stainless Steel, Add	154.38	
04 05 19 13-0255	CLF	#16	(For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	171.30	
			For Hot-Dipped Galvanized, Add	46.81	
			For Stainless Steel, Add	187.22	
04 05 19 13-0256	CLF	#18	(For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	212.95	
			For Hot-Dipped Galvanized, Add	65.32	
			For Stainless Steel, Add	261.28	
04 05 19 13-0257 Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement					
			(04 05 19 13-0204)		
04 05 19 13-0258	CLF	#4	(For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	128.17	
			For Hot-Dipped Galvanized, Add	41.47	
			For Stainless Steel, Add	165.88	
04 05 19 13-0259	CLF	#6	(For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	134.49	
			For Hot-Dipped Galvanized, Add	42.89	
			For Stainless Steel, Add	171.56	
04 05 19 13-0260	CLF	#8	(For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	140.80	
			For Hot-Dipped Galvanized, Add	44.31	
			For Stainless Steel, Add	177.22	
04 05 19 13-0261	CLF	#10	(For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	149.97	
			For Hot-Dipped Galvanized, Add	46.00	
			For Stainless Steel, Add	183.98	
04 05 19 13-0262	CLF	#12	(For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	159.16	
			For Hot-Dipped Galvanized, Add	47.69	
			For Stainless Steel, Add	190.74	
04 05 19 13-0263	CLF	#13	(For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	166.74	
			For Hot-Dipped Galvanized, Add	48.58	
			For Stainless Steel, Add	194.32	
04 05 19 13-0264	CLF	#14	(For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	171.19	
			For Hot-Dipped Galvanized, Add	49.36	
			For Stainless Steel, Add	197.42	
04 05 19 13-0265	CLF	#16	(For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	179.50	
			For Hot-Dipped Galvanized, Add	50.90	
			For Stainless Steel, Add	203.60	
04 05 19 13-0266	CLF	#18	(For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	230.69	
			For Hot-Dipped Galvanized, Add	74.18	
			For Stainless Steel, Add	296.70	
04 05 19 13-0267 Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement					
			(04 05 19 13-0204)		
04 05 19 13-0268	CLF	#4	(For 4" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	132.73	
			For Hot-Dipped Galvanized, Add	43.75	
			For Stainless Steel, Add	175.00	
04 05 19 13-0269	CLF	#6	(For 6" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	137.04	
			For Hot-Dipped Galvanized, Add	44.36	
			For Stainless Steel, Add	177.44	
04 05 19 13-0270	CLF	#8	(For 8" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	142.83	
			For Hot-Dipped Galvanized, Add	45.06	
			For Stainless Steel, Add	180.24	
04 05 19 13-0271	CLF	#10	(For 10" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	149.68	
			For Hot-Dipped Galvanized, Add	45.85	
			For Stainless Steel, Add	183.40	
04 05 19 13-0272	CLF	#12	(For 12" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	157.68	
			For Hot-Dipped Galvanized, Add	46.63	
			For Stainless Steel, Add	186.50	
04 05 19 13-0273	CLF	#13	(For 13" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	163.58	
			For Hot-Dipped Galvanized, Add	47.00	
			For Stainless Steel, Add	188.00	
04 05 19 13-0274	CLF	#14	(For 14" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	167.91	
			For Hot-Dipped Galvanized, Add	47.43	
			For Stainless Steel, Add	189.72	
04 05 19 13-0275	CLF	#16	(For 16" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	184.56	
			For Hot-Dipped Galvanized, Add	53.43	
			For Stainless Steel, Add	213.72	

04 Masonry**04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

04 05 19 13-0276	CLF #18 (For 18" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	213.22
	<i>For Hot-Dipped Galvanized, Add</i>	65.45
	<i>For Stainless Steel, Add</i>	261.78

04 05 19 13-0277 Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement

(04 05 19 13-0204)

04 05 19 13-0278	CLF #4 (For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	146.38
	<i>For Hot-Dipped Galvanized, Add</i>	50.58
	<i>For Stainless Steel, Add</i>	202.30
04 05 19 13-0279	CLF #6 (For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	150.87
	<i>For Hot-Dipped Galvanized, Add</i>	51.28
	<i>For Stainless Steel, Add</i>	205.10
04 05 19 13-0280	CLF #8 (For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	156.81
	<i>For Hot-Dipped Galvanized, Add</i>	52.05
	<i>For Stainless Steel, Add</i>	208.20
04 05 19 13-0281	CLF #10 (For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	163.51
	<i>For Hot-Dipped Galvanized, Add</i>	52.77
	<i>For Stainless Steel, Add</i>	211.06
04 05 19 13-0282	CLF #12 (For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	171.47
	<i>For Hot-Dipped Galvanized, Add</i>	53.52
	<i>For Stainless Steel, Add</i>	214.08
04 05 19 13-0283	CLF #13 (For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	177.43
	<i>For Hot-Dipped Galvanized, Add</i>	53.94
	<i>For Stainless Steel, Add</i>	215.74
04 05 19 13-0284	CLF #14 (For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	181.68
	<i>For Hot-Dipped Galvanized, Add</i>	54.31
	<i>For Stainless Steel, Add</i>	217.24
04 05 19 13-0285	CLF #16 (For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	202.73
	<i>For Hot-Dipped Galvanized, Add</i>	62.52
	<i>For Stainless Steel, Add</i>	250.08
04 05 19 13-0286	CLF #18 (For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	244.38
	<i>For Hot-Dipped Galvanized, Add</i>	81.04
	<i>For Stainless Steel, Add</i>	324.14

04 05 19 13-0287 Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement

(04 05 19 13-0204)

04 05 19 13-0288	CLF #4 (For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	159.60
	<i>For Hot-Dipped Galvanized, Add</i>	57.19
	<i>For Stainless Steel, Add</i>	228.74
04 05 19 13-0289	CLF #6 (For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	165.92
	<i>For Hot-Dipped Galvanized, Add</i>	58.61
	<i>For Stainless Steel, Add</i>	234.42
04 05 19 13-0290	CLF #8 (For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	172.23
	<i>For Hot-Dipped Galvanized, Add</i>	60.02
	<i>For Stainless Steel, Add</i>	240.08
04 05 19 13-0291	CLF #10 (For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	181.40
	<i>For Hot-Dipped Galvanized, Add</i>	61.71
	<i>For Stainless Steel, Add</i>	246.84
04 05 19 13-0292	CLF #12 (For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	190.59
	<i>For Hot-Dipped Galvanized, Add</i>	63.40
	<i>For Stainless Steel, Add</i>	253.60
04 05 19 13-0293	CLF #13 (For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	198.17
	<i>For Hot-Dipped Galvanized, Add</i>	64.30
	<i>For Stainless Steel, Add</i>	257.18
04 05 19 13-0294	CLF #14 (For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	202.62
	<i>For Hot-Dipped Galvanized, Add</i>	65.07
	<i>For Stainless Steel, Add</i>	260.28
04 05 19 13-0295	CLF #16 (For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	210.93
	<i>For Hot-Dipped Galvanized, Add</i>	66.62
	<i>For Stainless Steel, Add</i>	266.46
04 05 19 13-0296	CLF #18 (For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	262.12
	<i>For Hot-Dipped Galvanized, Add</i>	89.89
	<i>For Stainless Steel, Add</i>	359.56

04 05 19 13-0297 Truss-Type With Tabs, Masonry Wall Reinforcement

(04 05 19 13-0203)

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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04 05 19 13-0298	9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement (04 05 19 13-0297)		
04 05 19 13-0299	CLF #8 (For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	113.44	
	For Hot-Dipped Galvanized, Add	27.37	
	For Stainless Steel, Add	109.46	
04 05 19 13-0300	CLF #10 (For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	122.60	
	For Hot-Dipped Galvanized, Add	28.69	
	For Stainless Steel, Add	114.74	
04 05 19 13-0301	CLF #12 (For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	132.48	
	For Hot-Dipped Galvanized, Add	30.36	
	For Stainless Steel, Add	121.44	
04 05 19 13-0302	CLF #13 (For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	141.30	
	For Hot-Dipped Galvanized, Add	31.51	
	For Stainless Steel, Add	126.04	
04 05 19 13-0303	CLF #14 (For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	146.49	
	For Hot-Dipped Galvanized, Add	32.48	
	For Stainless Steel, Add	129.90	
04 05 19 13-0304	CLF #16 (For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	157.00	
	For Hot-Dipped Galvanized, Add	34.80	
	For Stainless Steel, Add	139.18	
04 05 19 13-0305	CLF #18 (For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	166.86	
	For Hot-Dipped Galvanized, Add	37.12	
	For Stainless Steel, Add	148.46	
04 05 19 13-0306	3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement (04 05 19 13-0297)		
04 05 19 13-0307	CLF #8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	130.48	
	For Hot-Dipped Galvanized, Add	35.89	
	For Stainless Steel, Add	143.54	
04 05 19 13-0308	CLF #10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	139.68	
	For Hot-Dipped Galvanized, Add	37.23	
	For Stainless Steel, Add	148.90	
04 05 19 13-0309	CLF #12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	149.49	
	For Hot-Dipped Galvanized, Add	38.87	
	For Stainless Steel, Add	155.46	
04 05 19 13-0310	CLF #13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	158.35	
	For Hot-Dipped Galvanized, Add	40.04	
	For Stainless Steel, Add	160.14	
04 05 19 13-0311	CLF #14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	163.42	
	For Hot-Dipped Galvanized, Add	40.94	
	For Stainless Steel, Add	163.76	
04 05 19 13-0312	CLF #16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	173.97	
	For Hot-Dipped Galvanized, Add	43.28	
	For Stainless Steel, Add	173.12	
04 05 19 13-0313	CLF #18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	183.90	
	For Hot-Dipped Galvanized, Add	45.64	
	For Stainless Steel, Add	182.54	
04 05 19 13-0314	3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement (04 05 19 13-0297)		
04 05 19 13-0315	CLF #8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	146.29	
	For Hot-Dipped Galvanized, Add	43.79	
	For Stainless Steel, Add	175.16	
04 05 19 13-0316	CLF #10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	156.96	
	For Hot-Dipped Galvanized, Add	45.87	
	For Stainless Steel, Add	183.46	
04 05 19 13-0317	CLF #12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	169.18	
	For Hot-Dipped Galvanized, Add	48.71	
	For Stainless Steel, Add	194.84	
04 05 19 13-0318	CLF #13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	178.79	
	For Hot-Dipped Galvanized, Add	50.26	
	For Stainless Steel, Add	201.02	
04 05 19 13-0319	CLF #14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	185.15	
	For Hot-Dipped Galvanized, Add	51.81	
	For Stainless Steel, Add	207.22	

04 Masonry**04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

04 05 19 13-0320	CLF #16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	197.99
	For Hot-Dipped Galvanized, Add	55.29
	For Stainless Steel, Add	221.16
04 05 19 13-0321	CLF #18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	208.98
	For Hot-Dipped Galvanized, Add	58.18
	For Stainless Steel, Add	232.70
04 05 19 13-0322	Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement (04 05 19 13-0203)	
04 05 19 13-0323	9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement (04 05 19 13-0322)	
04 05 19 13-0324	CLF #8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	166.58
	For Hot-Dipped Galvanized, Add	53.94
	For Stainless Steel, Add	215.74
04 05 19 13-0325	CLF #10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	173.85
	For Hot-Dipped Galvanized, Add	54.31
	For Stainless Steel, Add	217.24
04 05 19 13-0326	CLF #12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	183.02
	For Hot-Dipped Galvanized, Add	55.63
	For Stainless Steel, Add	222.52
04 05 19 13-0327	CLF #14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	196.31
	For Hot-Dipped Galvanized, Add	57.39
	For Stainless Steel, Add	229.54
04 05 19 13-0328	CLF #16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	206.33
	For Hot-Dipped Galvanized, Add	59.46
	For Stainless Steel, Add	237.84
04 05 19 13-0329	CLF #18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	216.60
	For Hot-Dipped Galvanized, Add	61.99
	For Stainless Steel, Add	247.94
04 05 19 13-0330	3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement (04 05 19 13-0322)	
04 05 19 13-0331	CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	192.94
	For Hot-Dipped Galvanized, Add	67.12
	For Stainless Steel, Add	268.46
04 05 19 13-0332	CLF #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	200.59
	For Hot-Dipped Galvanized, Add	67.68
	For Stainless Steel, Add	270.72
04 05 19 13-0333	CLF #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	209.76
	For Hot-Dipped Galvanized, Add	69.00
	For Stainless Steel, Add	276.00
04 05 19 13-0334	CLF #14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	222.98
	For Hot-Dipped Galvanized, Add	70.72
	For Stainless Steel, Add	282.88
04 05 19 13-0335	CLF #16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	232.65
	For Hot-Dipped Galvanized, Add	72.62
	For Stainless Steel, Add	290.48
04 05 19 13-0336	CLF #18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	241.72
	For Hot-Dipped Galvanized, Add	74.55
	For Stainless Steel, Add	298.18
04 05 19 13-0337	3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement (04 05 19 13-0322)	
04 05 19 13-0338	CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	207.39
	For Hot-Dipped Galvanized, Add	74.34
	For Stainless Steel, Add	297.36
04 05 19 13-0339	CLF #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	215.04
	For Hot-Dipped Galvanized, Add	74.91
	For Stainless Steel, Add	299.62
04 05 19 13-0340	CLF #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	225.72
	For Hot-Dipped Galvanized, Add	76.98
	For Stainless Steel, Add	307.92
04 05 19 13-0341	CLF #14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	240.93
	For Hot-Dipped Galvanized, Add	79.70
	For Stainless Steel, Add	318.78

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0342	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	253.66	
		For Hot-Dipped Galvanized, Add	83.13	
		For Stainless Steel, Add	332.50	
04 05 19 13-0343	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	266.50	
		For Hot-Dipped Galvanized, Add	86.94	
		For Stainless Steel, Add	347.74	
04 05 19 13-0344		Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement (04 05 19 13-0203)		
04 05 19 13-0345		9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement (04 05 19 13-0344)		
04 05 19 13-0346	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	178.11	
		For Hot-Dipped Galvanized, Add	56.44	
		For Stainless Steel, Add	225.76	
04 05 19 13-0347	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	185.44	
		For Hot-Dipped Galvanized, Add	56.84	
		For Stainless Steel, Add	227.36	
04 05 19 13-0348	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	197.78	
		For Hot-Dipped Galvanized, Add	58.12	
		For Stainless Steel, Add	232.48	
04 05 19 13-0349	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	207.12	
		For Hot-Dipped Galvanized, Add	59.86	
		For Stainless Steel, Add	239.42	
04 05 19 13-0350	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	216.56	
		For Hot-Dipped Galvanized, Add	61.97	
		For Stainless Steel, Add	247.86	
04 05 19 13-0351	CLF	#20 (For 14" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	224.49	
		For Hot-Dipped Galvanized, Add	64.12	
		For Stainless Steel, Add	256.46	
04 05 19 13-0352		3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement (04 05 19 13-0344)		
04 05 19 13-0353	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	204.40	
		For Hot-Dipped Galvanized, Add	69.59	
		For Stainless Steel, Add	278.34	
04 05 19 13-0354	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	212.06	
		For Hot-Dipped Galvanized, Add	70.15	
		For Stainless Steel, Add	280.60	
04 05 19 13-0355	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	224.48	
		For Hot-Dipped Galvanized, Add	71.47	
		For Stainless Steel, Add	285.88	
04 05 19 13-0356	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	233.82	
		For Hot-Dipped Galvanized, Add	73.21	
		For Stainless Steel, Add	292.82	
04 05 19 13-0357	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	242.85	
		For Hot-Dipped Galvanized, Add	75.11	
		For Stainless Steel, Add	300.44	
04 05 19 13-0358	CLF	#20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	251.01	
		For Hot-Dipped Galvanized, Add	77.38	
		For Stainless Steel, Add	309.50	
04 05 19 13-0359		3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement (04 05 19 13-0344)		
04 05 19 13-0360	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	218.89	
		For Hot-Dipped Galvanized, Add	76.83	
		For Stainless Steel, Add	307.32	
04 05 19 13-0361	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	226.51	
		For Hot-Dipped Galvanized, Add	77.38	
		For Stainless Steel, Add	309.50	
04 05 19 13-0362	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	240.51	
		For Hot-Dipped Galvanized, Add	79.49	
		For Stainless Steel, Add	317.94	
04 05 19 13-0363	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	251.78	
		For Hot-Dipped Galvanized, Add	82.19	
		For Stainless Steel, Add	328.74	

04 Masonry**04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

04 05 19 13-0364	CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	263.82
	For Hot-Dipped Galvanized, Add	85.60
	For Stainless Steel, Add	342.38
04 05 19 13-0365	CLF #20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	272.66
	For Hot-Dipped Galvanized, Add	88.20
	For Stainless Steel, Add	352.80
04 05 19 13-0366	Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement (04 05 19 13-0203)	
04 05 19 13-0367	9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement (04 05 19 13-0366)	
04 05 19 13-0368	CLF #8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	167.97
	For Hot-Dipped Galvanized, Add	51.37
	For Stainless Steel, Add	205.48
	For Seismic Hook And Eye, Add	22.09
04 05 19 13-0369	CLF #10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	175.22
	For Hot-Dipped Galvanized, Add	51.73
	For Stainless Steel, Add	206.92
	For Seismic Hook And Eye, Add	22.24
04 05 19 13-0370	CLF #12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	187.22
	For Hot-Dipped Galvanized, Add	52.84
	For Stainless Steel, Add	211.36
	For Seismic Hook And Eye, Add	22.72
04 05 19 13-0371	CLF #14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	196.30
	For Hot-Dipped Galvanized, Add	54.45
	For Stainless Steel, Add	217.78
	For Seismic Hook And Eye, Add	23.41
04 05 19 13-0372	CLF #16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	204.84
	For Hot-Dipped Galvanized, Add	56.11
	For Stainless Steel, Add	224.42
	For Seismic Hook And Eye, Add	24.13
04 05 19 13-0373	CLF #18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	212.54
	For Hot-Dipped Galvanized, Add	58.14
	For Stainless Steel, Add	232.56
	For Seismic Hook And Eye, Add	25.00
04 05 19 13-0374	3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement (04 05 19 13-0366)	
04 05 19 13-0375	CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	192.18
	For Hot-Dipped Galvanized, Add	63.48
	For Stainless Steel, Add	253.90
	For Seismic Hook And Eye, Add	27.29
04 05 19 13-0376	CLF #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	199.69
	For Hot-Dipped Galvanized, Add	63.97
	For Stainless Steel, Add	255.86
	For Seismic Hook And Eye, Add	27.50
04 05 19 13-0377	CLF #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	211.51
	For Hot-Dipped Galvanized, Add	64.99
	For Stainless Steel, Add	259.94
	For Seismic Hook And Eye, Add	27.94
04 05 19 13-0378	CLF #14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	220.43
	For Hot-Dipped Galvanized, Add	66.51
	For Stainless Steel, Add	266.04
	For Seismic Hook And Eye, Add	28.60
04 05 19 13-0379	CLF #16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	228.94
	For Hot-Dipped Galvanized, Add	68.16
	For Stainless Steel, Add	272.62
	For Seismic Hook And Eye, Add	29.31
04 05 19 13-0380	CLF #18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	236.19
	For Hot-Dipped Galvanized, Add	69.97
	For Stainless Steel, Add	279.86
	For Seismic Hook And Eye, Add	30.08
04 05 19 13-0381	3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement (04 05 19 13-0366)	
04 05 19 13-0382	CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	206.82
	For Hot-Dipped Galvanized, Add	70.80
	For Stainless Steel, Add	283.18
	For Seismic Hook And Eye, Add	30.44

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0383	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	214.44		
		For Hot-Dipped Galvanized, Add	71.34		
		For Stainless Steel, Add	285.36		
		For Seismic Hook And Eye, Add	30.68		
04 05 19 13-0384	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	228.18		
		For Hot-Dipped Galvanized, Add	73.32		
		For Stainless Steel, Add	293.28		
		For Seismic Hook And Eye, Add	31.53		
04 05 19 13-0385	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	239.22		
		For Hot-Dipped Galvanized, Add	75.91		
		For Stainless Steel, Add	303.62		
		For Seismic Hook And Eye, Add	32.64		
04 05 19 13-0386	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	250.96		
		For Hot-Dipped Galvanized, Add	79.17		
		For Stainless Steel, Add	316.66		
		For Seismic Hook And Eye, Add	34.04		
04 05 19 13-0387	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	261.83		
		For Hot-Dipped Galvanized, Add	82.79		
		For Stainless Steel, Add	331.14		
		For Seismic Hook And Eye, Add	35.60		
04 05 19 13-0388		Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement (04 05 19 13-0203)			
04 05 19 13-0389		9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall (04 05 19 13-0388)			
04 05 19 13-0390	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	179.33		
		For Hot-Dipped Galvanized, Add	53.79		
		For Stainless Steel, Add	215.14		
		For Seismic Hook And Eye, Add	23.13		
04 05 19 13-0391	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	189.86		
		For Hot-Dipped Galvanized, Add	54.16		
		For Stainless Steel, Add	216.64		
		For Seismic Hook And Eye, Add	23.29		
04 05 19 13-0392	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	198.11		
		For Hot-Dipped Galvanized, Add	55.35		
		For Stainless Steel, Add	221.40		
		For Seismic Hook And Eye, Add	23.80		
04 05 19 13-0393	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	206.72		
		For Hot-Dipped Galvanized, Add	57.05		
		For Stainless Steel, Add	228.18		
		For Seismic Hook And Eye, Add	24.53		
04 05 19 13-0394	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	214.27		
		For Hot-Dipped Galvanized, Add	59.01		
		For Stainless Steel, Add	236.02		
		For Seismic Hook And Eye, Add	25.37		
04 05 19 13-0395		3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement (04 05 19 13-0388)			
04 05 19 13-0396	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	205.43		
		For Hot-Dipped Galvanized, Add	66.84		
		For Stainless Steel, Add	267.34		
		For Seismic Hook And Eye, Add	28.74		
04 05 19 13-0397	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	216.04		
		For Hot-Dipped Galvanized, Add	67.25		
		For Stainless Steel, Add	269.00		
		For Seismic Hook And Eye, Add	28.92		
04 05 19 13-0398	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	224.21		
		For Hot-Dipped Galvanized, Add	68.40		
		For Stainless Steel, Add	273.60		
		For Seismic Hook And Eye, Add	29.41		
04 05 19 13-0399	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	232.52		
		For Hot-Dipped Galvanized, Add	69.95		
		For Stainless Steel, Add	279.78		
		For Seismic Hook And Eye, Add	30.08		
04 05 19 13-0400	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	239.32		
		For Hot-Dipped Galvanized, Add	71.53		
		For Stainless Steel, Add	286.12		
		For Seismic Hook And Eye, Add	30.76		

04 Masonry**04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

04 05 19 13-0401	3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement (04 05 19 13-0388)		
04 05 19 13-0402	CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	218.10	
	For Hot-Dipped Galvanized, Add	73.17	
	For Stainless Steel, Add	292.68	
	For Seismic Hook And Eye, Add	31.46	
04 05 19 13-0403	CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	228.93	
	For Hot-Dipped Galvanized, Add	73.70	
	For Stainless Steel, Add	294.78	
	For Seismic Hook And Eye, Add	31.69	
04 05 19 13-0404	CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	238.80	
	For Hot-Dipped Galvanized, Add	75.70	
	For Stainless Steel, Add	302.78	
	For Seismic Hook And Eye, Add	32.55	
04 05 19 13-0405	CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	249.15	
	For Hot-Dipped Galvanized, Add	78.26	
	For Stainless Steel, Add	313.04	
	For Seismic Hook And Eye, Add	33.65	
04 05 19 13-0406	CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	259.31	
	For Hot-Dipped Galvanized, Add	81.53	
	For Stainless Steel, Add	326.10	
	For Seismic Hook And Eye, Add	35.06	

04 05 19 16 Masonry Anchors (04 05 19)

04 05 19 16-0001	Rectangular, Wire Masonry Wall Ties (04 05 19 16)		
04 05 19 16-0002	Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Ties (04 05 19 16-0001)		
04 05 19 16-0003	EA 2" Width x 4" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.59	
04 05 19 16-0004	EA 2" Width x 6" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.70	
04 05 19 16-0005	EA 2" Width x 8" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.81	
04 05 19 16-0006	EA 2" Width x 10" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.94	
04 05 19 16-0007	EA 2" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	2.07	
04 05 19 16-0008	EA 4" Width x 6" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.81	
04 05 19 16-0009	EA 4" Width x 8" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.94	
04 05 19 16-0010	EA 4" Width x 10" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	2.07	
04 05 19 16-0011	EA 4" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	2.20	

04 05 19 16-0012	Mill Galvanized, Rectangular, Wire Masonry Wall Ties (04 05 19 16-0001)		
04 05 19 16-0013	EA 2" Width x 4" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.40	
04 05 19 16-0014	EA 2" Width x 6" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.44	
04 05 19 16-0015	EA 2" Width x 8" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.49	
04 05 19 16-0016	EA 2" Width x 10" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.56	
04 05 19 16-0017	EA 2" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.63	
04 05 19 16-0018	EA 4" Width x 6" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.49	
04 05 19 16-0019	EA 4" Width x 8" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.56	
04 05 19 16-0020	EA 4" Width x 10" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.63	
04 05 19 16-0021	EA 4" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.71	

04 05 19 16-0022	Z-Type, Wire Masonry Wall Ties (04 05 19 16)		
04 05 19 16-0023	Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Ties (04 05 19 16-0022)		
04 05 19 16-0024	EA 6" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.40	
04 05 19 16-0025	EA 8" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.47	
04 05 19 16-0026	EA 10" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.66	
04 05 19 16-0027	EA 12" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.75	
04 05 19 16-0028	EA 6" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.77	
04 05 19 16-0029	EA 8" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.89	
04 05 19 16-0030	EA 10" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	2.04	
04 05 19 16-0031	EA 12" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	2.13	

04 05 19 16-0032	Mill Galvanized, Z-Type, Wire Masonry Wall Ties (04 05 19 16-0022)		
04 05 19 16-0033	EA 6" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.26	
04 05 19 16-0034	EA 8" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.28	
04 05 19 16-0035	EA 10" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.43	
04 05 19 16-0036	EA 12" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.47	
04 05 19 16-0037	EA 6" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.48	
04 05 19 16-0038	EA 8" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.56	
04 05 19 16-0039	EA 10" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.63	
04 05 19 16-0040	EA 12" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.73	

04 05 19 16-0041	Wire Beam Ties (04 05 19 16)		
04 05 19 16-0042	Hot-Dipped Galvanized, Wire Beam Ties (04 05 19 16-0041)		
04 05 19 16-0043	EA 2" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie	1.93	
04 05 19 16-0044	EA 4" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie	1.98	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 16-0045 EA 6" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie	2.02	
04 05 19 16-0046 EA 8" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie	2.07	
04 05 19 16-0047 EA 10" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie	2.16	
 04 05 19 16-0048 Mill Galvanized, Wire Beam Ties (04 05 19 16-0041)		
04 05 19 16-0049 EA 2" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie	2.32	
04 05 19 16-0050 EA 4" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie	2.43	
04 05 19 16-0051 EA 6" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie	2.55	
04 05 19 16-0052 EA 8" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie	2.60	
04 05 19 16-0053 EA 10" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie	2.69	
 04 05 19 16-0054 Adjustable Double Pintle, Wire Masonry Wall Ties (04 05 19 16)		
04 05 19 16-0055 Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Ties		
(04 05 19 16-0054)		
04 05 19 16-0056 EA 6" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	2.16	
04 05 19 16-0057 EA 7" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	2.26	
04 05 19 16-0058 EA 8" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	2.29	
04 05 19 16-0059 EA 9" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	2.38	
04 05 19 16-0060 EA 10" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	2.41	
 04 05 19 16-0061 Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Ties (04 05 19 16-0054)		
04 05 19 16-0062 EA 6" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.81	
04 05 19 16-0063 EA 7" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.87	
04 05 19 16-0064 EA 8" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.90	
04 05 19 16-0065 EA 9" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.95	
04 05 19 16-0066 EA 10" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.97	
 04 05 19 16-0067 Corrugated Buck (Brick) Anchors (04 05 19 16)		
04 05 19 16-0068 Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchors (04 05 19 16-0067)		
04 05 19 16-0069 EA 3-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	2.65	
04 05 19 16-0070 EA 4-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	2.76	
04 05 19 16-0071 EA 5-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	2.86	
04 05 19 16-0072 EA 6-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	2.97	
04 05 19 16-0073 EA 7-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	3.08	
04 05 19 16-0074 EA 3-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	2.74	
04 05 19 16-0075 EA 4-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	2.86	
04 05 19 16-0076 EA 5-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	2.97	
04 05 19 16-0077 EA 6-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	3.09	
04 05 19 16-0078 EA 7-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	3.21	
 04 05 19 16-0079 Mill Galvanized, Corrugated Buck (Brick) Anchors (04 05 19 16-0067)		
04 05 19 16-0080 EA 3-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	2.27	
04 05 19 16-0081 EA 4-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	2.35	
04 05 19 16-0082 EA 5-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	2.42	
04 05 19 16-0083 EA 6-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	2.50	
04 05 19 16-0084 EA 7-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	2.58	
04 05 19 16-0085 EA 3-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	2.34	
04 05 19 16-0086 EA 4-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	2.42	
04 05 19 16-0087 EA 5-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	2.51	
04 05 19 16-0088 EA 6-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	2.59	
04 05 19 16-0089 EA 7-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	2.68	
 04 05 19 16-0090 Corrugated Wall Ties (04 05 19 16)		
04 05 19 16-0091 Hot-Dipped Galvanized, Corrugated Wall Ties (04 05 19 16-0090)		
04 05 19 16-0092 EA 7/8" Width, 7" Length, 28 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie	1.25	
04 05 19 16-0093 EA 7/8" Width, 7" Length, 26 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie	1.34	
04 05 19 16-0094 EA 7/8" Width, 7" Length, 24 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie	1.38	
04 05 19 16-0095 EA 7/8" Width, 7" Length, 22 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie	1.41	
04 05 19 16-0096 EA 7/8" Width, 7" Length, 16 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie	1.71	
 04 05 19 16-0097 Mill Galvanized, Corrugated Wall Ties (04 05 19 16-0090)		
04 05 19 16-0098 EA 7/8" Width, 7" Length, 26 Gauge, Mill Galvanized, Corrugated Wall Tie	1.29	
04 05 19 16-0099 EA 7/8" Width, 7" Length, 24 Gauge, Mill Galvanized, Corrugated Wall Tie	1.31	
04 05 19 16-0100 EA 7/8" Width, 7" Length, 22 Gauge, Mill Galvanized, Corrugated Wall Tie	1.34	
04 05 19 16-0101 EA 7/8" Width, 7" Length, 16 Gauge, Mill Galvanized, Corrugated Wall Tie	1.57	
 04 05 19 16-0102 Stainless Steel, Corrugated Wall Ties (04 05 19 16-0090)		
04 05 19 16-0103 EA 7/8" Width, 7" Length, 28 Gauge, Stainless Steel, Corrugated Wall Tie	1.56	
04 05 19 16-0104 EA 7/8" Width, 7" Length, 26 Gauge, Stainless Steel, Corrugated Wall Tie	1.62	
04 05 19 16-0105 EA 7/8" Width, 7" Length, 24 Gauge, Stainless Steel, Corrugated Wall Tie	1.69	
04 05 19 16-0106 EA 7/8" Width, 7" Length, 22 Gauge, Stainless Steel, Corrugated Wall Tie	1.75	
04 05 19 16-0107 EA 7/8" Width, 7" Length, 16 Gauge, Stainless Steel, Corrugated Wall Tie	2.08	

04 Masonry**04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**
 MINOR
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 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

04 05 19 16-0108		Wire Mesh Wall Ties (04 05 19 16)	
		Note: 1/2" square mesh.	
04 05 19 16-0109	EA	3" Width, 8" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie.....	2.61
04 05 19 16-0110	EA	3" Width, 12" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie.....	3.21
04 05 19 16-0111	EA	6" Width, 8" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie.....	3.83
04 05 19 16-0112	EA	6" Width, 12" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie.....	4.95
04 05 19 16-0113	EA	10" Width, 8" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie.....	4.60
04 05 19 16-0114	EA	10" Width, 12" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie.....	5.74
04 05 19 16-0115		Triangle Brick Ties (04 05 19 16)	
04 05 19 16-0116		Hot-Dipped Galvanized, Triangle Brick Ties (04 05 19 16-0115)	
04 05 19 16-0117	EA	3" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.30
04 05 19 16-0118	EA	3-1/2" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.35
04 05 19 16-0119	EA	4" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.40
04 05 19 16-0120	EA	4-1/2" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.49
04 05 19 16-0121	EA	5" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.54
04 05 19 16-0122	EA	6" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.69
04 05 19 16-0123	EA	7" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.79
04 05 19 16-0124	EA	9" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	3.02
04 05 19 16-0125	EA	3" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.79
04 05 19 16-0126	EA	3-1/2" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.82
04 05 19 16-0127	EA	4" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.86
04 05 19 16-0128	EA	4-1/2" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.94
04 05 19 16-0129	EA	5" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.98
04 05 19 16-0130	EA	6" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	3.12
04 05 19 16-0131	EA	7" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	3.20
04 05 19 16-0132	EA	9" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	3.44
04 05 19 16-0133		Mill Galvanized, Triangle Brick Ties (04 05 19 16-0115)	
04 05 19 16-0134	EA	3" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	2.07
04 05 19 16-0135	EA	3-1/2" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	2.08
04 05 19 16-0136	EA	4" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	2.10
04 05 19 16-0137	EA	4-1/2" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	2.17
04 05 19 16-0138	EA	5" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	2.18
04 05 19 16-0139	EA	6" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	2.28
04 05 19 16-0140	EA	7" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	2.31
04 05 19 16-0141	EA	9" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	2.39
04 05 19 16-0142	EA	3" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	2.35
04 05 19 16-0143	EA	3-1/2" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	2.38
04 05 19 16-0144	EA	4" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	2.41
04 05 19 16-0145	EA	4-1/2" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	2.49
04 05 19 16-0146	EA	5" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	2.51
04 05 19 16-0147	EA	6" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	2.62
04 05 19 16-0148	EA	7" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	2.67
04 05 19 16-0149	EA	9" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	2.81
04 05 19 16-0150		Seismic Veneer Anchors (04 05 19 16)	
04 05 19 16-0151	EA	3-1/2" Length, 1-1/4" Width, Stainless Steel, Seismic Notch Veneer Anchor	6.31
		Note: For horizontal wire attachment. Excludes wire.	
04 05 19 16-0152		Slip-Set, Joint Stabilization Anchors (04 05 19 16)	
		Note: For restraining lateral movement at control joints. Field bendable.	
04 05 19 16-0153	EA	9-5/8" Length, 1-5/8" Width, Mill Galvanized, Slip-Set, Joint Stabilization Anchor	8.16
04 05 19 16-0154	EA	9-5/8" Length, 1-5/8" Width, Hot-Dipped Galvanized, Slip-Set, Joint Stabilization Anchor	8.86
04 05 19 16-0155	EA	9-5/8" Length, 1-5/8" Width, Stainless Steel, Slip-Set, Joint Stabilization Anchor	6.31
04 05 19 16-0156		Strap Partition Top Anchors (04 05 19 16)	
04 05 19 16-0157	EA	12 Gauge Strap, 3/8" Rod, Hot-Dipped Galvanized, Partition Top Anchor	4.63
04 05 19 16-0158	EA	12 Gauge Strap, 3/8" Rod, Stainless Steel, Partition Top Anchor	6.63
04 05 19 16-0159		Rigid Partition Anchors (04 05 19 16)	
04 05 19 16-0160		Hot-Dipped Galvanized, Rigid Partition Anchors (04 05 19 16-0159)	
04 05 19 16-0161	EA	1" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	3.37
04 05 19 16-0162	EA	1-1/4" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	3.67
04 05 19 16-0163	EA	1-1/2" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	4.04
04 05 19 16-0164	EA	1-3/4" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	4.38
04 05 19 16-0165	EA	2" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	4.71
04 05 19 16-0166	EA	2-1/4" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	5.05
04 05 19 16-0167	EA	1" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	4.72
04 05 19 16-0168	EA	1-1/4" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	5.79
04 05 19 16-0169	EA	1-1/2" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	6.87
04 05 19 16-0170	EA	1-3/4" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	7.95
04 05 19 16-0171	EA	2" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	9.02
04 05 19 16-0172	EA	2-1/4" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	10.10

04 05 19 16-0173		Mill Galvanized, Rigid Partition Anchors (04 05 19 16-0159)	
04 05 19 16-0174	EA	1" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor.....	3.07
04 05 19 16-0175	EA	1-1/4" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor.....	3.33
04 05 19 16-0176	EA	1-1/2" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor.....	3.60
04 05 19 16-0177	EA	1-3/4" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor.....	3.86
04 05 19 16-0178	EA	2" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor.....	4.12
04 05 19 16-0179	EA	2-1/4" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor.....	4.38

04 05 19 16-0180		Screw-On Masonry Veneer Anchor Plates (04 05 19 16)	
04 05 19 16-0181	EA	12 Gauge, Hot-Dipped Galvanized, Screw-On Masonry Veneer Anchor Plate	2.16
04 05 19 16-0182	EA	14 Gauge, Hot-Dipped Galvanized, Screw-On Masonry Veneer Anchor Plate	2.28

04 05 19 16-0183		Wire Column Ties (04 05 19 16)	
04 05 19 16-0184		Hot-Dipped Galvanized, Wire Column Ties (04 05 19 16-0183)	
04 05 19 16-0185	EA	3" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	2.63
04 05 19 16-0186	EA	5" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	2.81
04 05 19 16-0187	EA	7" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	2.94
04 05 19 16-0188	EA	9" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	3.12
04 05 19 16-0189	EA	10" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	2.78
04 05 19 16-0190	EA	12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	2.94
04 05 19 16-0191	EA	14" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	3.05
04 05 19 16-0192	EA	16" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	3.17
04 05 19 16-0193	EA	3" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	3.57
04 05 19 16-0194	EA	5" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	3.88
04 05 19 16-0195	EA	7" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	4.09
04 05 19 16-0196	EA	9" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	4.38
04 05 19 16-0197	EA	10" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	3.88
04 05 19 16-0198	EA	12" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	4.09
04 05 19 16-0199	EA	14" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	4.27
04 05 19 16-0200	EA	16" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	4.47

04 05 19 16-0201		Mill Galvanized, Wire Column Ties (04 05 19 16-0183)	
04 05 19 16-0202	EA	3" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	2.31
04 05 19 16-0203	EA	5" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	2.42
04 05 19 16-0204	EA	7" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	2.49
04 05 19 16-0205	EA	9" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	2.60
04 05 19 16-0206	EA	10" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	2.36
04 05 19 16-0207	EA	12" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	2.47
04 05 19 16-0208	EA	14" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	2.54
04 05 19 16-0209	EA	16" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	2.63
04 05 19 16-0210	EA	3" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	3.01
04 05 19 16-0211	EA	5" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	3.21
04 05 19 16-0212	EA	7" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	3.30
04 05 19 16-0213	EA	9" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	3.50
04 05 19 16-0214	EA	10" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	2.92
04 05 19 16-0215	EA	12" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	3.26
04 05 19 16-0216	EA	14" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	3.39
04 05 19 16-0217	EA	16" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	3.50

04 05 19 16-0218		Dovetail Anchors, Slots And Ties (04 05 19 16)	
04 05 19 16-0219		Dovetail Anchor Slots (04 05 19 16-0218)	
04 05 19 16-0220		Hot-Dipped Galvanized, Dovetail Anchor Slot (04 05 19 16-0219)	
04 05 19 16-0221	LF	24 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot.....	4.97
04 05 19 16-0222	LF	22 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot.....	5.50
04 05 19 16-0223	LF	20 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot.....	5.81
04 05 19 16-0224	LF	18 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot.....	5.96
04 05 19 16-0225	LF	16 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot.....	6.32

04 05 19 16-0226		Mill Galvanized, Dovetail Anchor Slot (04 05 19 16-0219)	
04 05 19 16-0227	LF	24 Gauge, Mill Galvanized, Dovetail Anchor Slot	3.92
04 05 19 16-0228	LF	22 Gauge, Mill Galvanized, Dovetail Anchor Slot	4.59
04 05 19 16-0229	LF	20 Gauge, Mill Galvanized, Dovetail Anchor Slot	4.74
04 05 19 16-0230	LF	18 Gauge, Mill Galvanized, Dovetail Anchor Slot	4.97
04 05 19 16-0231	LF	16 Gauge, Mill Galvanized, Dovetail Anchor Slot	5.12

04 05 19 16-0232		304 Stainless Steel, Dovetail Anchor Slot (04 05 19 16-0219)	
04 05 19 16-0233	LF	24 Gauge, 304 Stainless Steel, Dovetail Anchor Slot.....	4.48
04 05 19 16-0234	LF	22 Gauge, 304 Stainless Steel, Dovetail Anchor Slot.....	4.92
04 05 19 16-0235	LF	20 Gauge, 304 Stainless Steel, Dovetail Anchor Slot.....	5.07
04 05 19 16-0236	LF	18 Gauge, 304 Stainless Steel, Dovetail Anchor Slot.....	5.57
04 05 19 16-0237	LF	16 Gauge, 304 Stainless Steel, Dovetail Anchor Slot.....	6.05

04 05 19 16-0238		316 Stainless Steel, Dovetail Anchor Slot (04 05 19 16-0219)	
04 05 19 16-0239	LF	24 Gauge, 316 Stainless Steel, Dovetail Anchor Slot.....	4.82

04 Masonry**04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

04 05 19 16-0240	LF	22 Gauge, 316 Stainless Steel, Dovetail Anchor Slot.....	5.16
04 05 19 16-0241	LF	20 Gauge, 316 Stainless Steel, Dovetail Anchor Slot.....	5.49
04 05 19 16-0242	LF	18 Gauge, 316 Stainless Steel, Dovetail Anchor Slot.....	5.92
04 05 19 16-0243	LF	16 Gauge, 316 Stainless Steel, Dovetail Anchor Slot.....	6.17

04 05 19 16-0244 Dovetail Corrugated Brick Ties (04 05 19 16-0218)**04 05 19 16-0245 Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie** (04 05 19 16-0244)

04 05 19 16-0246	EA	3-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie.....	1.65
04 05 19 16-0247	EA	5-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie.....	1.82
04 05 19 16-0248	EA	7-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie.....	1.99
04 05 19 16-0249	EA	3-1/2" Length, 1" Width, 14 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie.....	1.69
04 05 19 16-0250	EA	5-1/2" Length, 1" Width, 14 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie.....	2.01
04 05 19 16-0251	EA	7-1/2" Length, 1" Width, 14 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie.....	2.25
04 05 19 16-0252	EA	3-1/2" Length, 1" Width, 12 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie.....	1.78
04 05 19 16-0253	EA	5-1/2" Length, 1" Width, 12 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie.....	2.00
04 05 19 16-0254	EA	7-1/2" Length, 1" Width, 12 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie.....	2.22

04 05 19 16-0255 Mill Galvanized, Dovetail Corrugated Brick Tie (04 05 19 16-0244)

04 05 19 16-0256	EA	3-1/2" Length, 1" Width, 16 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	1.50
04 05 19 16-0257	EA	5-1/2" Length, 1" Width, 16 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	1.60
04 05 19 16-0258	EA	7-1/2" Length, 1" Width, 16 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	1.71
04 05 19 16-0259	EA	3-1/2" Length, 1" Width, 14 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	1.58
04 05 19 16-0260	EA	5-1/2" Length, 1" Width, 14 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	1.79
04 05 19 16-0261	EA	7-1/2" Length, 1" Width, 14 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	1.96
04 05 19 16-0262	EA	3-1/2" Length, 1" Width, 12 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	1.62
04 05 19 16-0263	EA	5-1/2" Length, 1" Width, 12 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	1.87
04 05 19 16-0264	EA	7-1/2" Length, 1" Width, 12 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	2.04

04 05 19 16-0265 Dovetail Stone Anchors (04 05 19 16-0218)**04 05 19 16-0266 Hot-Dipped Galvanized, Dovetail Stone Anchors** (04 05 19 16-0265)

04 05 19 16-0267	EA	3-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Stone Anchor.....	2.01
04 05 19 16-0268	EA	5-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Stone Anchor.....	2.18
04 05 19 16-0269	EA	7-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Stone Anchor.....	2.36

04 05 19 16-0270 Dovetail Partition Top Anchors (04 05 19 16-0218)

04 05 19 16-0271	EA	3/8" Rod, Hot-Dipped Galvanized, Dovetail Partition Top Anchor.....	4.82
04 05 19 16-0272	EA	3/8" Rod, Stainless Steel, Dovetail Partition Top Anchor.....	7.15

04 05 19 16-0273 Dovetail Flexible Triangle Brick Ties (04 05 19 16-0218)**04 05 19 16-0274 Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Ties** (04 05 19 16-0273)

04 05 19 16-0275	EA	3" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie.....	3.02
04 05 19 16-0276	EA	5" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie.....	3.25
04 05 19 16-0277	EA	7" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie.....	3.40
04 05 19 16-0278	EA	9" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie.....	3.56

04 05 19 16-0279 Mill Galvanized, Dovetail Flexible Triangle Brick Ties (04 05 19 16-0273)

04 05 19 16-0280	EA	3" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie.....	2.70
04 05 19 16-0281	EA	5" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie.....	2.72
04 05 19 16-0282	EA	7" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie.....	2.82
04 05 19 16-0283	EA	9" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie.....	3.07

04 05 19 26 Masonry Reinforcing Bars (04 05 19)

Note: Includes cutting and bending.

04 05 19 26-0001 Plain Steel Masonry Reinforcement Bar (04 05 19 26)

04 05 19 26-0002	LF	#3, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar.....	1.10
04 05 19 26-0003	LF	#4, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar.....	1.81
04 05 19 26-0004	LF	#5, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar.....	2.57
04 05 19 26-0005	LF	#6, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar.....	3.38
04 05 19 26-0006	LF	#3, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar.....	1.12
04 05 19 26-0007	LF	#4, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar.....	1.84
04 05 19 26-0008	LF	#5, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar.....	2.62
04 05 19 26-0009	LF	#6, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar.....	3.46
04 05 19 26-0010	LF	#3, Grade 60, Horizontal Placed, Steel Masonry Reinforcement Bar.....	1.14
04 05 19 26-0011	LF	#4, Grade 60, Horizontal Placed, Steel Masonry Reinforcement Bar.....	1.89
04 05 19 26-0012	LF	#5, Grade 60, Horizontal Placed, Steel Masonry Reinforcement Bar.....	2.70
04 05 19 26-0013	LF	#6, Grade 60, Horizontal Placed, Steel Masonry Reinforcement Bar.....	3.57
04 05 19 26-0014	LF	#3, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar.....	1.28
04 05 19 26-0015	LF	#4, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar.....	2.08
04 05 19 26-0016	LF	#5, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar.....	2.95
04 05 19 26-0017	LF	#6, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar.....	3.85
04 05 19 26-0018	LF	#3, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar.....	1.30
04 05 19 26-0019	LF	#4, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar.....	2.11
04 05 19 26-0020	LF	#5, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar.....	3.00
04 05 19 26-0021	LF	#6, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar.....	3.93

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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04 05 19 26-0022	LF	#3, Grade 60, Vertical Placed, Steel Masonry Reinforcement Bar	1.32	
04 05 19 26-0023	LF	#4, Grade 60, Vertical Placed, Steel Masonry Reinforcement Bar	2.16	
04 05 19 26-0024	LF	#5, Grade 60, Vertical Placed, Steel Masonry Reinforcement Bar	3.08	
04 05 19 26-0025	LF	#6, Grade 60, Vertical Placed, Steel Masonry Reinforcement Bar	4.04	

04 05 19 26-0026 Galvanized Steel Masonry Reinforcement Bar (04 05 19 26)

04 05 19 26-0027	LF	#3, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	1.29	
04 05 19 26-0028	LF	#4, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	2.16	
04 05 19 26-0029	LF	#5, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	3.12	
04 05 19 26-0030	LF	#6, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	4.17	
04 05 19 26-0031	LF	#3, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	1.31	
04 05 19 26-0032	LF	#4, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	2.19	
04 05 19 26-0033	LF	#5, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	3.17	
04 05 19 26-0034	LF	#6, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	4.25	
04 05 19 26-0035	LF	#3, Grade 60, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	1.34	
04 05 19 26-0036	LF	#4, Grade 60, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	2.24	
04 05 19 26-0037	LF	#5, Grade 60, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	3.25	
04 05 19 26-0038	LF	#6, Grade 60, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	4.36	
04 05 19 26-0039	LF	#3, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	1.47	
04 05 19 26-0040	LF	#4, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	2.43	
04 05 19 26-0041	LF	#5, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	3.50	
04 05 19 26-0042	LF	#6, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	4.64	
04 05 19 26-0043	LF	#3, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	1.49	
04 05 19 26-0044	LF	#4, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	2.46	
04 05 19 26-0045	LF	#5, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	3.55	
04 05 19 26-0046	LF	#6, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	4.72	
04 05 19 26-0047	LF	#3, Grade 60, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	1.52	
04 05 19 26-0048	LF	#4, Grade 60, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	2.51	
04 05 19 26-0049	LF	#5, Grade 60, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	3.63	
04 05 19 26-0050	LF	#6, Grade 60, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	4.83	

04 05 19 26-0051 Epoxy-Coated Masonry Reinforcement Bar (04 05 19 26)

04 05 19 26-0052	LF	#3, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	1.27	
04 05 19 26-0053	LF	#4, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	2.12	
04 05 19 26-0054	LF	#5, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	3.06	
04 05 19 26-0055	LF	#6, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	4.08	
04 05 19 26-0056	LF	#3, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	1.29	
04 05 19 26-0057	LF	#4, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	2.15	
04 05 19 26-0058	LF	#5, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	3.11	
04 05 19 26-0059	LF	#6, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	4.16	
04 05 19 26-0060	LF	#3, Grade 60, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	1.32	
04 05 19 26-0061	LF	#4, Grade 60, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	2.20	
04 05 19 26-0062	LF	#5, Grade 60, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	3.19	
04 05 19 26-0063	LF	#6, Grade 60, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	4.28	
04 05 19 26-0064	LF	#3, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	1.45	
04 05 19 26-0065	LF	#4, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	2.39	
04 05 19 26-0066	LF	#5, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	3.44	
04 05 19 26-0067	LF	#6, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	4.55	
04 05 19 26-0068	LF	#3, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	1.47	
04 05 19 26-0069	LF	#4, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	2.42	
04 05 19 26-0070	LF	#5, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	3.49	
04 05 19 26-0071	LF	#6, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	4.63	
04 05 19 26-0072	LF	#3, Grade 60, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	1.50	
04 05 19 26-0073	LF	#4, Grade 60, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	2.47	
04 05 19 26-0074	LF	#5, Grade 60, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	3.57	
04 05 19 26-0075	LF	#6, Grade 60, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	4.75	

04 05 23 Masonry Accessories (04 05)

04 05 23 13 Masonry Control and Expansion Joints (04 05 23)

04 05 23 13-0001		Masonry Control Joints (04 05 23 13)		
04 05 23 13-0002		Rubber, Masonry Control Joints (04 05 23 13-0001)		
04 05 23 13-0003	LF	1-5/8" Width, T-Style, Rubber, Masonry Control Joint	7.62	1.16
04 05 23 13-0004	LF	2-5/8" Width, Rubber, Masonry Control Joint	7.40	1.16
04 05 23 13-0005	LF	6-7/8" Width, Rubber, Masonry Control Joint	15.80	1.16

04 05 23 13-0006 Polyvinyl Chloride (PVC), Masonry Control Joints (04 05 23 13-0001)

04 05 23 13-0007	LF	1-5/8" Width, T-Style, Polyvinyl Chloride (PVC), Masonry Control Joint	4.55	1.16
04 05 23 13-0008	LF	2-5/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint	4.73	1.16
04 05 23 13-0009	LF	4-7/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint	5.98	1.16
04 05 23 13-0010	LF	6-7/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint	6.62	1.16
04 05 23 13-0011	LF	11-1/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint	6.23	1.16

04 05 23 16 Masonry Embedded Flashing (04 05 23)

04 05 23 16-0001		Lead Coated Copper Through Wall Flashing (04 05 23 16)		
04 05 23 16-0002		Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing (04 05 23 16-0001)		

04 Masonry**04 05 Common Work Results for Masonry****04 05 23 Masonry Accessories**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

04 05 23 16-0003	SF	2 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing	10.71	2.65
04 05 23 16-0004	SF	3 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing	11.67	2.65
04 05 23 16-0005	SF	5 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing	14.33	2.65
04 05 23 16-0006	SF	7 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing	16.67	2.65

04 05 23 16-0007 Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing (04 05 23 16-0001)

04 05 23 16-0008	SF	2 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	11.65	2.65
04 05 23 16-0009	SF	3 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	12.51	2.65
04 05 23 16-0010	SF	5 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	15.57	2.65
04 05 23 16-0011	SF	7 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	18.40	2.65

04 05 23 16-0012 Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing (04 05 23 16-0001)

04 05 23 16-0013	SF	2 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing	10.93	2.65
04 05 23 16-0014	SF	3 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing	12.12	2.65
04 05 23 16-0015	SF	5 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing	13.85	2.65
04 05 23 16-0016	SF	7 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing	17.44	2.65

04 05 23 16-0017 Copper Through Wall Flashing (04 05 23 16)

04 05 23 16-0018 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing (04 05 23 16-0017)

04 05 23 16-0019	SF	2 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing	9.27	2.47
04 05 23 16-0020	SF	3 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing	9.98	2.47
04 05 23 16-0021	SF	5 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing	11.93	2.47
04 05 23 16-0022	SF	7 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing	13.65	2.47
04 05 23 16-0023	SF	10 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing	14.37	2.47

04 05 23 16-0024 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing (04 05 23 16-0017)

04 05 23 16-0025	SF	2 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing	9.97	2.47
04 05 23 16-0026	SF	3 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing	10.59	2.47
04 05 23 16-0027	SF	5 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing	12.84	2.47
04 05 23 16-0028	SF	7 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing	14.90	2.47
04 05 23 16-0029	SF	10 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing	16.12	2.47

04 05 23 16-0030 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing (04 05 23 16-0017)

04 05 23 16-0031	SF	2 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	9.35	2.47
04 05 23 16-0032	SF	3 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	10.07	2.47
04 05 23 16-0033	SF	5 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	12.00	2.47
04 05 23 16-0034	SF	7 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	13.72	2.47
04 05 23 16-0035	SF	10 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	14.45	2.47

04 05 23 16-0036 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing (04 05 23 16-0017)

04 05 23 16-0037	SF	2 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	9.44	2.47
04 05 23 16-0038	SF	3 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	10.31	2.47
04 05 23 16-0039	SF	5 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	11.57	2.47
04 05 23 16-0040	SF	7 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	14.21	2.47
04 05 23 16-0041	SF	10 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	11.52	2.47

04 05 23 16-0042 2 Sides Kraft Paper Reinforced With Glass Fabric And Asphalt, Thru-Wall Copper Flashing (04 05 23 16-0017)

04 05 23 16-0043	SF	3 Ounce, 2 Sides Kraft Paper Reinforced With Glass Fabric And Asphalt, Thru-Wall Copper Flashing	12.33	2.47
04 05 23 16-0044	SF	5 Ounce, 2 Sides Kraft Paper Reinforced With Glass Fabric And Asphalt, Thru-Wall Copper Flashing	14.93	2.47

04 05 23 16-0045 2 Sides Glass Fabric, Thru-Wall Copper Flashing (04 05 23 16-0017)

Note: Glass fabric is bonded to both sides with a non-asphaltic adhesive.

04 05 23 16-0046	SF	3 Ounce, 2 Sides Glass Fabric, Thru-Wall Copper Flashing	10.82	2.47
04 05 23 16-0047	SF	5 Ounce, 2 Sides Glass Fabric, Thru-Wall Copper Flashing	13.15	2.47

04 05 23 16-0048 Stainless Steel Through Wall Flashing (04 05 23 16)

04 05 23 16-0049 Paper Backed 2 Sides, Stainless Steel Through Wall Flashing (04 05 23 16-0048)

04 05 23 16-0050	SF	0.005" Thick Paper Backed 2 Sides, Stainless Steel Through Wall Flashing	8.31	2.47
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04 05 23 16-0051 Polyvinyl Chloride (PVC) Through Wall Flashing (04 05 23 16)

04 05 23 16-0052	SF	0.010" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing	4.91	2.06
04 05 23 16-0053	SF	0.020" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing	5.17	2.06
04 05 23 16-0054	SF	0.030" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing	5.48	2.06
04 05 23 16-0055	SF	0.056" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing	6.49	2.06

04 05 23 19 Masonry Cavity Drainage, Weepholes, and Vents (04 05 23)

04 05 23 19-0001 Brick Vents, 4" Deep, With Insect Screen (04 05 23 19)

Note: 0.100" nominal wall thickness, three mortar ribs on top and bottom of frame.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 23 19-0002	EA	8-1/8" x 2-3/8" Aluminum Brick Vent.....	85.37	
04 05 23 19-0003	EA	8-1/8" x 4-3/4" Aluminum Brick Vent.....	106.03	
04 05 23 19-0004	EA	8-1/8" x 7-3/4" Aluminum Brick Vent.....	134.03	
04 05 23 19-0005	EA	12" x 2-3/8" Aluminum Brick Vent.....	105.02	
04 05 23 19-0006	EA	12" x 4-3/4" Aluminum Brick Vent.....	129.92	
04 05 23 19-0007	EA	12" x 7-3/4" Aluminum Brick Vent.....	164.69	
04 05 23 19-0008	EA	16-1/2" x 2-3/8" Aluminum Brick Vent.....	124.51	
04 05 23 19-0009	EA	16-1/2" x 4-3/4" Aluminum Brick Vent.....	169.17	
04 05 23 19-0010	EA	16-1/2" x 7-3/4" Aluminum Brick Vent.....	207.21	
04 05 23 19-0011	EA	24" x 2-3/8" Aluminum Brick Vent.....	170.12	
04 05 23 19-0012	EA	24" x 4-3/4" Aluminum Brick Vent.....	221.72	
04 05 23 19-0013	EA	24" x 7-3/4" Aluminum Brick Vent.....	273.26	

04 20 Unit Masonry ⁽⁰⁴⁾

Note: Includes finishing joints (pointing) and cleaning of new brick and mortar. Cutting of new bricks/blocks to size. Weep holes and wicking material.

04 21 Clay Unit Masonry ^(04 20)

04 21 13 Brick Masonry ^(04 21)

Note: Includes brick and mortar. See CSI section 04 05 19 13-0000 for reinforcing, 04 05 19 16-0000 for masonry anchors.

04 21 13 00-0001 Brick Masonry ^(04 21 13)

04 21 13 00-0002	SF	Standard Size Red Brick, Running Bond.....	27.75	
		Note: Standard size brick, 3-5/8" x 2-1/4" x 8". (6.55 Bricks/SF)		
		For Buff Or Gray, Add	0.96	
		For Common Or American Bond, Add	0.88	
		For English Bond, Add	1.76	
		For Flemish Bond, Add	3.58	
		For Stacked Bond, Add	2.49	
		For <10, Small Area Replacements (Individual Areas), Add	33.24	
		For Curved Wall, Add	4.39	
		For Corbels, Add	16.48	
		For Severe Weather (SW) Brick, Add	0.87	
		For Glazed Brick, Add	20.23	
04 21 13 00-0003	SF	Engineer Standard Size Red Brick, Running Bond.....	28.63	
		Note: Engineer standard size brick, 3-5/8" x 2-3/4" x 8". (5.39 Bricks/SF)		
		For Buff Or Gray, Add	1.19	
		For Common Or American Bond, Add	0.86	
		For English Bond, Add	1.72	
		For Flemish Bond, Add	3.58	
		For Stacked Bond, Add	2.51	
		For <10, Small Area Replacements (Individual Areas), Add	32.56	
		For Curved Wall, Add	4.29	
		For Corbels, Add	16.10	
		For Severe Weather (SW) Brick, Add	1.07	
		For Glazed Brick, Add	25.06	
04 21 13 00-0004	SF	Modular Size Red Brick, Running Bond.....	27.75	
		Note: Modular size brick, 3-5/8" x 2-1/4" x 7-5/8". (6.75 Bricks/SF)		
		For Buff Or Gray, Add	0.96	
		For Common Or American Bond, Add	0.88	
		For English Bond, Add	1.76	
		For Flemish Bond, Add	3.58	
		For Stacked Bond, Add	2.49	
		For <10, Small Area Replacements (Individual Areas), Add	33.24	
		For Curved Wall, Add	4.39	
		For Corbels, Add	16.48	
		For Severe Weather (SW) Brick, Add	0.87	
		For Glazed Brick, Add	20.23	
04 21 13 00-0005	SF	Engineer Modular Size Red Brick, Running Bond.....	28.63	
		Note: Engineer modular size brick, 3-5/8" x 2-3/4" x 7-5/8". (5.63 Bricks/SF)		
		For Buff Or Gray, Add	1.19	
		For Common Or American Bond, Add	0.86	
		For English Bond, Add	1.72	
		For Flemish Bond, Add	3.58	
		For Stacked Bond, Add	2.51	
		For <10, Small Area Replacements (Individual Areas), Add	32.56	
		For Curved Wall, Add	4.29	
		For Corbels, Add	16.10	
		For Severe Weather (SW) Brick, Add	1.07	
		For Glazed Brick, Add	25.06	
04 21 13 00-0006	SF	Economy Size Red Brick, Running Bond.....	28.44	
		Note: Economy size brick, 3-5/8" x 3-5/8" x 7-5/8". (4.5 Bricks/SF)		
		For Buff Or Gray, Add	1.16	
		For Common Or American Bond, Add	0.86	
		For English Bond, Add	1.72	
		For Flemish Bond, Add	3.57	
		For Stacked Bond, Add	2.50	
		For <10, Small Area Replacements (Individual Areas), Add	32.55	
		For Curved Wall, Add	4.29	
		For Corbels, Add	16.10	
		For Severe Weather (SW) Brick, Add	1.05	
		For Glazed Brick, Add	24.40	

04 Masonry**04 20 Unit Masonry****04 21 Clay Unit Masonry**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
04 21 13 00-0007	SF	Utility Size Red Brick, Running Bond.....	20.97	
		Note: Utility size brick, 3-5/8" x 3-5/8" x 11-5/8". (3.0 Bricks/SF)		
		For Buff Or Gray, Add	1.00	
		For Common Or American Bond, Add	0.60	
		For English Bond, Add	1.20	
		For Flemish Bond, Add	2.55	
		For Stacked Bond, Add	1.80	
		For <10, Small Area Replacements (Individual Areas), Add	22.80	
		For Curved Wall, Add	3.00	
		For Corbels, Add	11.25	
		For Severe Weather (SW) Brick, Add	0.90	
		For Glazed Brick, Add	20.90	
04 21 13 00-0008	SF	Double Utility Size Red Brick, Running Bond.....	19.18	
		Note: Double utility size brick, 3-5/8" x 7-5/8" x 11-5/8". (1.5 Bricks/SF)		
		For Buff Or Gray, Add	0.70	
		For Common Or American Bond, Add	0.60	
		For English Bond, Add	1.20	
		For Flemish Bond, Add	2.46	
		For Stacked Bond, Add	1.71	
		For <10, Small Area Replacements (Individual Areas), Add	22.71	
		For Curved Wall, Add	3.00	
		For Corbels, Add	11.25	
		For Severe Weather (SW) Brick, Add	0.63	
		For Glazed Brick, Add	14.63	
04 21 13 00-0009	SF	Norman Size Red Brick, Running Bond.....	28.99	
		Note: Norman size brick, 3-5/8" x 2-1/4" x 11-5/8". (4.5 Bricks/SF)		
		For Buff Or Gray, Add	1.25	
		For Common Or American Bond, Add	0.86	
		For English Bond, Add	1.72	
		For Flemish Bond, Add	3.60	
		For Stacked Bond, Add	2.52	
		For <10, Small Area Replacements (Individual Areas), Add	32.58	
		For Curved Wall, Add	4.29	
		For Corbels, Add	16.10	
		For Severe Weather (SW) Brick, Add	1.13	
		For Glazed Brick, Add	26.32	
04 21 13 00-0010	SF	Roman Size Red Brick, Running Bond.....	30.57	
		Note: Roman size brick, 3-5/8" x 1-5/8" x 11-5/8". (6.0 Bricks/SF)		
		For Buff Or Gray, Add	1.52	
		For Common Or American Bond, Add	0.86	
		For English Bond, Add	1.72	
		For Flemish Bond, Add	3.68	
		For Stacked Bond, Add	2.60	
		For <10, Small Area Replacements (Individual Areas), Add	32.66	
		For Curved Wall, Add	4.29	
		For Corbels, Add	16.10	
		For Severe Weather (SW) Brick, Add	1.37	
		For Glazed Brick, Add	31.85	
04 21 13 00-0011		Fire Brick (04 21 13)		
04 21 13 00-0012	SF	Running Bond, Red Fire Brick	32.16	
		For Buff Or Gray, Add	1.78	
		For Common Or American Bond, Add	0.86	
		For English Bond, Add	1.72	
		For Flemish Bond, Add	3.76	
		For Stacked Bond, Add	2.68	
		For <10, Small Area Replacements (Individual Areas), Add	32.74	
04 21 13 00-0013		Window Sill (04 21 13)		
04 21 13 00-0014	LF	Standard Size Red Brick, Window Sill	25.12	
		Note: Standard size brick, 3-5/8" x 2-1/4" x 8", placed on edge.		
		For Buff Or Gray, Add	0.29	
04 21 13 00-0015	LF	Engineer Standard Size Red Brick, Window Sill.....	25.32	
		Note: Engineer standard size brick, 3-5/8" x 2-3/4" x 8", placed on edge.		
		For Buff Or Gray, Add	0.32	
04 21 13 00-0016	LF	Modular Size Red Brick, Window Sill	25.12	
		Note: Modular size brick, 3-5/8" x 2-1/4" x 7-5/8", placed on edge.		
		For Buff Or Gray, Add	0.29	
04 21 13 00-0017	LF	Engineer Modular Size Red Brick, Window Sill.....	25.46	
		Note: Engineer modular size brick, 3-5/8" x 2-3/4" x 7-5/8", placed on edge.		
		For Buff Or Gray, Add	0.34	
04 21 13 00-0018	LF	Economy Size Red Brick, Window Sill.....	26.36	
		Note: Economy size brick, 3-5/8" x 3-5/8" x 7-5/8", placed on edge.		
		For Buff Or Gray, Add	0.49	
04 21 13 00-0019	LF	Utility Size Red Brick, Window Sill	26.54	
		Note: Utility size brick, 3-5/8" x 3-5/8" x 11-5/8", placed on edge.		
		For Buff Or Gray, Add	0.52	
04 21 13 00-0020	LF	Double Utility Size Red Brick, Window Sill.....	26.54	
		Note: Double utility size brick, 3-5/8" x 7-5/8" x 11-5/8", placed on edge.		
		For Buff Or Gray, Add	0.52	
04 21 13 00-0021	LF	Norman Size Red Brick, Window Sill	25.58	
		Note: Norman size brick, 3-5/8" x 2-1/4" x 11-5/8", placed on edge.		
		For Buff Or Gray, Add	0.36	
04 21 13 00-0022	LF	Roman Size Red Brick, Window Sill	25.67	
		Note: Roman size brick, 3-5/8" x 1-5/8" x 11-5/8", placed on edge.		
		For Buff Or Gray, Add	0.38	

			Masonry	04	04
			Unit Masonry	04 20	
			Clay Unit Masonry	04 21	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

04 21 19 Clay Tile Masonry (04 21)

04 21 19 00-0001	Scored Face, Hollow, Clay Backing Tile (04 21 19)	
04 21 19 00-0002	Load Bearing, Scored Face, Hollow, Clay Backing Tile (04 21 19 00-0001)	
04 21 19 00-0003	SF 4" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile	24.16
	For Smooth Face, One Side, Add	1.44
	For Smooth Face, Two Sides, Add	2.39
04 21 19 00-0004	SF 6" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile	26.18
	For Smooth Face, One Side, Add	1.59
	For Smooth Face, Two Sides, Add	2.65
04 21 19 00-0005	SF 8" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile	29.21
	For Smooth Face, One Side, Add	1.63
	For Smooth Face, Two Sides, Add	3.09
04 21 19 00-0006	SF 10" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile	39.39
	For Smooth Face, One Side, Add	2.79
	For Smooth Face, Two Sides, Add	4.79
04 21 19 00-0007	SF 12" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile	51.22
	For Smooth Face, One Side, Add	3.86
	For Smooth Face, Two Sides, Add	6.70

04 21 19 00-0008 Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile (04 21 19 00-0001)

04 21 19 00-0009	SF 3" Thick Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile	20.34
	For Smooth Face, One Side, Add	1.17
	For Smooth Face, Two Sides, Add	1.92
04 21 19 00-0010	SF 4" Thick Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile	24.07
	For Smooth Face, One Side, Add	1.50
	For Smooth Face, Two Sides, Add	2.51
04 21 19 00-0011	SF 6" Thick Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile	24.74
	For Smooth Face, One Side, Add	1.52
	For Smooth Face, Two Sides, Add	2.55
04 21 19 00-0012	SF 8" Thick Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile	36.83
	For Smooth Face, One Side, Add	2.65
	For Smooth Face, Two Sides, Add	4.57
04 21 19 00-0013	SF 12" Thick Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile	49.63
	For Smooth Face, One Side, Add	3.81
	For Smooth Face, Two Sides, Add	6.63

04 21 26 Glazed Structural Clay Tile Masonry (04 21)

Note: Includes tile and mortar in all colors.

04 21 26 00-0001 6T Series Structural Glazed Clay Tile (04 21 26)

04 21 26 00-0002 Glazed On One Side 6T Series Structural Glazed Clay Tile (04 21 26 00-0001)

04 21 26 00-0003	SF 2" Thick 1 Sided 6T Series Structural Glazed Clay Tile, 5-1/3" x 12"	34.94
	For Stacked Bond, Add	2.34
04 21 26 00-0004	SF 4" Thick 1 Sided 6T Series Structural Glazed Clay Tile, 5-1/3" x 12"	38.95
	For Stacked Bond, Add	2.34
04 21 26 00-0005	SF 6" Thick 1 Sided 6T Series Structural Glazed Clay Tile, 5-1/3" x 12"	47.28
	For Stacked Bond, Add	2.45

04 21 26 00-0006 Special Shapes 6T Series Structural Glazed Clay Tile (04 21 26 00-0001)

04 21 26 00-0007	LF Bullnose, Jamb Or Sill Shapes 6T Series Structural Glazed Clay Tile	36.81
	For Stacked Bond, Add	2.77
04 21 26 00-0008	LF 2" Or 4" Cove Base 6T Series Structural Glazed Clay Tile	43.49
	For Stacked Bond, Add	2.77

04 21 26 00-0009 8W Series Structural Glazed Clay Tile (04 21 26)

04 21 26 00-0010 Glazed On One Side 8W Series Structural Glazed Clay Tile (04 21 26 00-0009)

04 21 26 00-0011	SF 2" Thick 1 Sided 8W Series Structural Glazed Clay Tile, 8" x 16"	27.17
	For Stacked Bond, Add	1.49
04 21 26 00-0012	SF 4" Thick 1 Sided 8W Series Structural Glazed Clay Tile, 8" x 16"	33.63
	For Stacked Bond, Add	1.60
04 21 26 00-0013	SF 6" Thick 1 Sided 8W Series Structural Glazed Clay Tile, 8" x 16"	46.10
	For Stacked Bond, Add	1.70

04 21 26 00-0014 Special Shapes 8W Series Structural Glazed Clay Tile (04 21 26 00-0009)

04 21 26 00-0015	LF Bullnose, Jamb Or Sill Shapes 8W Series Structural Glazed Clay Tile	37.09
	For Stacked Bond, Add	1.92
04 21 26 00-0016	LF 2" Or 4" Cove Base 8W Series Structural Glazed Clay Tile	37.03
	For Stacked Bond, Add	1.92

04 21 26 00-0017 4W Series Structural Glazed Clay Tile (04 21 26)

04 21 26 00-0018 Glazed On One Side 4W Series Structural Glazed Clay Tile (04 21 26 00-0017)

04 21 26 00-0019	SF 2" Thick 1 Sided 4W Series Structural Glazed Tile, 8" x 8"	36.45
	For Stacked Bond, Add	2.34
04 21 26 00-0020	SF 4" Thick 1 Sided 4W Series Structural Glazed Tile, 8" x 8"	38.45
	For Stacked Bond, Add	2.34
04 21 26 00-0021	SF 6" Thick 1 Sided 4W Series Structural Glazed Tile, 8" x 8"	47.54
	For Stacked Bond, Add	2.45

04	04	Masonry
	04 20	Unit Masonry
	04 21	Clay Unit Masonry



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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04 21 26 00-0022			Special Shapes 4W Series Structural Glazed Clay Tile (04 21 26 00-0017)		
04 21 26 00-0023	LF		Bullnose, Jamb Or Sill Shapes 4W Series Structural Glazed Clay Tile	38.03	
			<i>For Stacked Bond, Add</i>	2.77	
04 21 26 00-0024	LF		2" Or 4" Cove Base 4W Series Structural Glazed Clay Tile.....	43.38	
			<i>For Stacked Bond, Add</i>	2.77	
04 21 26 00-0025			6T Series Sound Absorbing Structural Glazed Tile (04 21 26)		
04 21 26 00-0026	SF		4" Thick, 6T Sound Absorbing Structural Glazed Tile	37.74	
04 21 26 00-0027	SF		6" Thick, 6T Sound Absorbing Structural Glazed Tile	40.74	
04 21 26 00-0028	SF		8" Thick, 6T Sound Absorbing Structural Glazed Tile	47.55	
04 21 26 00-0029			8T Series Sound Absorbing Structural Glazed Tile (04 21 26)		
04 21 26 00-0030	SF		4" Thick, 8T Sound Absorbing Structural Glazed Tile	41.12	
04 21 26 00-0031	SF		6" Thick, 8T Sound Absorbing Structural Glazed Tile	46.32	
04 21 26 00-0032	SF		8" Thick, 8T Acoustical Glazed Tile	55.04	
04 21 29			Terra Cotta Masonry (04 21)		
04 21 29 00-0001			Coping (04 21 29)		
			Note: Includes caulk and ties. Excludes drilling into existing materials or other anchoring bolts.		
04 21 29 00-0002	SF		Terra Cotta Coping	119.04	44.71
			<i>For Smooth Tile Instead Of Scored, Add</i>	3.79	
			<i>For Reinforcing With Steel Rods, Add</i>	8.06	
04 21 29 00-0003			Partition Or Back Up (Scored) (04 21 29)		
04 21 29 00-0004			Non-load Bearing, 12" x 12" (04 21 29 00-0003)		
04 21 29 00-0005	SF		3" Thick Terra Cotta, Non-Load Bearing 12" x 12" Scored Face, Back-Up Partitions.....	25.97	
			<i>For Smooth Tile Instead Of Scored, Add</i>	3.21	
			<i>For Reinforcing With Steel Rods, Add</i>	3.08	
04 21 29 00-0006	SF		4" Thick Terra Cotta, Non-Load Bearing 12" x 12" Scored Face, Back-Up Partitions.....	27.61	
			<i>For Smooth Tile Instead Of Scored, Add</i>	3.36	
			<i>For Reinforcing With Steel Rods, Add</i>	3.25	
04 21 29 00-0007	SF		6" Thick Terra Cotta, Non-Load Bearing 12" x 12" Scored Face, Back-Up Partitions.....	35.42	
			<i>For Smooth Tile Instead Of Scored, Add</i>	4.59	
			<i>For Reinforcing With Steel Rods, Add</i>	4.32	
04 21 29 00-0008	SF		8" Thick Terra Cotta, Non-Load Bearing 12" x 12" Scored Face, Back-Up Partitions.....	43.23	
			<i>For Smooth Tile Instead Of Scored, Add</i>	5.77	
			<i>For Reinforcing With Steel Rods, Add</i>	5.37	
04 21 29 00-0009			Load Bearing, 12" x 12" (04 21 29 00-0003)		
04 21 29 00-0010			In Walls (04 21 29 00-0009)		
04 21 29 00-0011	SF		4" Thick Terra Cotta, Walls 12" x 12" Load Bearing Scored Face	29.24	
			<i>For Smooth Tile Instead Of Scored, Add</i>	3.65	
			<i>For Reinforcing With Steel Rods, Add</i>	3.49	
04 21 29 00-0012	SF		6" Thick Terra Cotta, Walls 12" x 12" Load Bearing Scored Face	39.16	
			<i>For Smooth Tile Instead Of Scored, Add</i>	5.26	
			<i>For Reinforcing With Steel Rods, Add</i>	4.88	
04 21 29 00-0013	SF		8" Thick Terra Cotta, Walls 12" x 12" Load Bearing Scored Face	46.87	
			<i>For Smooth Tile Instead Of Scored, Add</i>	6.42	
			<i>For Reinforcing With Steel Rods, Add</i>	5.91	
04 21 29 00-0014	SF		10" Thick Terra Cotta, Walls 12" x 12" Load Bearing Scored Face	49.28	
			<i>For Smooth Tile Instead Of Scored, Add</i>	6.57	
			<i>For Reinforcing With Steel Rods, Add</i>	6.12	
04 21 29 00-0015	SF		12" Thick Terra Cotta, Walls 12" x 12" Load Bearing Scored Face	59.14	
			<i>For Smooth Tile Instead Of Scored, Add</i>	7.97	
			<i>For Reinforcing With Steel Rods, Add</i>	7.38	
04 21 29 00-0016			In Floors (04 21 29 00-0009)		
04 21 29 00-0017	SF		4" Thick Terra Cotta, Floors 12" x 12" Load Bearing Scored Face	26.26	
			<i>For Smooth Tile Instead Of Scored, Add</i>	3.65	
			<i>For Reinforcing With Steel Rods, Add</i>	3.34	
04 21 29 00-0018	SF		6" Thick Terra Cotta, Floors 12" x 12" Load Bearing Scored Face	35.85	
			<i>For Smooth Tile Instead Of Scored, Add</i>	5.26	
			<i>For Reinforcing With Steel Rods, Add</i>	4.72	
04 21 29 00-0019	SF		8" Thick Terra Cotta, Floors 12" x 12" Load Bearing Scored Face	43.46	
			<i>For Smooth Tile Instead Of Scored, Add</i>	6.42	
			<i>For Reinforcing With Steel Rods, Add</i>	5.74	
04 21 29 00-0020	SF		10" Thick Terra Cotta, Floors 12" x 12" Load Bearing Scored Face	45.45	
			<i>For Smooth Tile Instead Of Scored, Add</i>	6.57	
			<i>For Reinforcing With Steel Rods, Add</i>	5.92	
04 21 29 00-0021	SF		12" Thick Terra Cotta, Floors 12" x 12" Load Bearing Scored Face	54.18	
			<i>For Smooth Tile Instead Of Scored, Add</i>	7.97	
			<i>For Reinforcing With Steel Rods, Add</i>	7.13	

04 22 Concrete Unit Masonry (04 20)

Note: Includes block and mortar. Excludes horizontal and vertical reinforcing. See CSI section 04 05 19 13-0000 for joint reinforcing.

		Masonry	04	04
		Unit Masonry	04 20	
		Concrete Unit Masonry	04 22	
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
		UNIT COST	UNIT COST	

04 22 23 Architectural Concrete Unit Masonry (04 22)

04 22 23 13 Exposed Aggregate Concrete Unit Masonry (04 22 23)

04 22 23 13-0001	Concrete Blocks (04 22 23 13)	
04 22 23 13-0002	Lightweight Concrete Blocks (04 22 23 13-0001)	
04 22 23 13-0003	Cored, Lightweight, Concrete Blocks (04 22 23 13-0002)	
04 22 23 13-0004	SF 4" x 8" x 16", Cored, Lightweight, Concrete Block	13.21
	For Stacked Bond, Add	2.94
	For Scored Block, Add	0.38
	For Curved Wall Application, Add	2.26
	For <10, Small Area Replacements (Individual Areas), Add	17.12
04 22 23 13-0005	SF 6" x 8" x 16", Cored, Lightweight, Concrete Block	14.64
	For Stacked Bond, Add	3.18
	For Scored Block, Add	0.48
	For Curved Wall Application, Add	2.45
	For <10, Small Area Replacements (Individual Areas), Add	18.54
04 22 23 13-0006	SF 8" x 8" x 16", Cored, Lightweight, Concrete Block	15.85
	For Stacked Bond, Add	3.42
	For Scored Block, Add	0.54
	For Curved Wall Application, Add	2.63
	For <10, Small Area Replacements (Individual Areas), Add	19.93
04 22 23 13-0007	SF 10" x 8" x 16", Cored, Lightweight, Concrete Block	17.35
	For Stacked Bond, Add	3.58
	For Scored Block, Add	0.72
	For Curved Wall Application, Add	2.75
	For <10, Small Area Replacements (Individual Areas), Add	20.90
04 22 23 13-0008	SF 12" x 8" x 16", Cored, Lightweight, Concrete Block	20.57
	For Stacked Bond, Add	4.34
	For Scored Block, Add	0.77
	For Curved Wall Application, Add	3.34
	For <10, Small Area Replacements (Individual Areas), Add	25.35

04 22 23 13-0009 Solid, Lightweight, Concrete Blocks (04 22 23 13-0002)

04 22 23 13-0010	SF 4" x 8" x 16", Solid, Lightweight, Concrete Block	14.13
	For Stacked Bond, Add	3.02
	For Scored Block, Add	0.50
	For Curved Wall Application, Add	2.32
	For <10, Small Area Replacements (Individual Areas), Add	17.60
04 22 23 13-0011	SF 6" x 8" x 16", Solid, Lightweight, Concrete Block	15.50
	For Stacked Bond, Add	3.32
	For Scored Block, Add	0.55
	For Curved Wall Application, Add	2.55
	For <10, Small Area Replacements (Individual Areas), Add	19.36
04 22 23 13-0012	SF 8" x 8" x 16", Solid, Lightweight, Concrete Block	16.37
	For Stacked Bond, Add	3.52
	For Scored Block, Add	0.56
	For Curved Wall Application, Add	2.71
	For <10, Small Area Replacements (Individual Areas), Add	20.54
04 22 23 13-0013	SF 10" x 8" x 16", Solid, Lightweight, Concrete Block	18.08
	For Stacked Bond, Add	3.69
	For Scored Block, Add	0.78
	For Curved Wall Application, Add	2.84
	For <10, Small Area Replacements (Individual Areas), Add	21.58
04 22 23 13-0014	SF 12" x 8" x 16", Solid, Lightweight, Concrete Block	21.43
	For Stacked Bond, Add	4.49
	For Scored Block, Add	0.83
	For Curved Wall Application, Add	3.45
	For <10, Small Area Replacements (Individual Areas), Add	26.22

04 22 23 13-0015 Normal Weight Concrete Blocks (04 22 23 13-0001)

04 22 23 13-0016 Cored, Normal Weight, Concrete Blocks (04 22 23 13-0015)

04 22 23 13-0017	SF 4" x 8" x 16", Cored, Normal Weight, Concrete Block	13.50
	For Stacked Bond, Add	3.02
	For Scored Block, Add	0.38
	For Curved Wall Application, Add	2.32
	For <10, Small Area Replacements (Individual Areas), Add	17.56
	For 3,500 PSI, Add	0.40
	For 5,000 PSI, Add	0.68
04 22 23 13-0018	SF 6" x 8" x 16", Cored, Normal Weight, Concrete Block	14.93
	For Stacked Bond, Add	3.32
	For Scored Block, Add	0.43
	For Curved Wall Application, Add	2.55
	For <10, Small Area Replacements (Individual Areas), Add	19.32
	For 3,500 PSI, Add	0.45
	For 5,000 PSI, Add	0.78
04 22 23 13-0019	SF 8" x 8" x 16", Cored, Normal Weight, Concrete Block	16.04
	For Stacked Bond, Add	3.52
	For Scored Block, Add	0.50
	For Curved Wall Application, Add	2.71
	For <10, Small Area Replacements (Individual Areas), Add	20.51
	For 3,500 PSI, Add	0.52
	For 5,000 PSI, Add	0.90

04 Masonry**04 20 Unit Masonry****04 22 Concrete Unit Masonry**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
04 22 23 13-0020	SF 10" x 8" x 16", Cored, Normal Weight, Concrete Block.....	18.98		
	For Stacked Bond, Add	3.69		
	For Scored Block, Add	0.96		
	For Curved Wall Application, Add	2.84		
	For <10, Small Area Replacements (Individual Areas), Add	21.64		
	For 3,500 PSI, Add	1.01		
	For 5,000 PSI, Add	1.72		
04 22 23 13-0021	SF 12" x 8" x 16", Cored, Normal Weight, Concrete Block.....	22.21		
	For Stacked Bond, Add	4.49		
	For Scored Block, Add	0.99		
	For Curved Wall Application, Add	3.45		
	For <10, Small Area Replacements (Individual Areas), Add	26.28		
	For 3,500 PSI, Add	1.04		
	For 5,000 PSI, Add	1.78		
04 22 23 13-0022 Solid, Normal Weight, Concrete Blocks (04 22 23 13-0015)				
04 22 23 13-0023	SF 4" x 8" x 16", Solid, Normal Weight, Concrete Block.....	14.32		
	For Stacked Bond, Add	3.10		
	For Scored Block, Add	0.48		
	For Curved Wall Application, Add	2.38		
	For <10, Small Area Replacements (Individual Areas), Add	18.06		
	For 3,500 PSI, Add	0.50		
	For 5,000 PSI, Add	0.86		
04 22 23 13-0024	SF 6" x 8" x 16", Solid, Normal Weight, Concrete Block.....	15.37		
	For Stacked Bond, Add	3.42		
	For Scored Block, Add	0.44		
	For Curved Wall Application, Add	2.63		
	For <10, Small Area Replacements (Individual Areas), Add	19.89		
	For 3,500 PSI, Add	0.47		
	For 5,000 PSI, Add	0.80		
04 22 23 13-0025	SF 8" x 8" x 16", Solid, Normal Weight, Concrete Block.....	16.55		
	For Stacked Bond, Add	3.63		
	For Scored Block, Add	0.52		
	For Curved Wall Application, Add	2.79		
	For <10, Small Area Replacements (Individual Areas), Add	21.15		
	For 3,500 PSI, Add	0.54		
	For 5,000 PSI, Add	0.93		
04 22 23 13-0026	SF 10" x 8" x 16", Solid, Normal Weight, Concrete Block.....	18.10		
	For Stacked Bond, Add	3.81		
	For Scored Block, Add	0.69		
	For Curved Wall Application, Add	2.93		
	For <10, Small Area Replacements (Individual Areas), Add	22.23		
	For 3,500 PSI, Add	0.72		
	For 5,000 PSI, Add	1.24		
04 22 23 13-0027	SF 12" x 8" x 16", Solid, Normal Weight, Concrete Block.....	21.47		
	For Stacked Bond, Add	4.65		
	For Scored Block, Add	0.72		
	For Curved Wall Application, Add	3.57		
	For <10, Small Area Replacements (Individual Areas), Add	27.08		
	For 3,500 PSI, Add	0.76		
	For 5,000 PSI, Add	1.30		
04 22 23 13-0028 Bond Beam Or Lintel Concrete Blocks (04 22 23 13)				
04 22 23 13-0029 Lightweight, Bond Beam Or Lintel Concrete Blocks (04 22 23 13-0028)				
Note: Excludes concrete fill and reinforcing.				
04 22 23 13-0030	LF 6" x 8" x 16", Lightweight, Bond Beam Or Lintel Concrete Block.....	15.19		
	For Stacked Bond, Add	3.18		
	For Grout And Fill With 2 #5 Rebar, Add	9.07		
	For Scored Block, Add	0.59		
	For Curved Wall Application, Add	2.45		
04 22 23 13-0031	LF 8" x 8" x 16", Lightweight, Bond Beam Or Lintel Concrete Block.....	16.72		
	For Stacked Bond, Add	3.42		
	For Grout And Fill With 2 #5 Rebar, Add	10.15		
	For Scored Block, Add	0.71		
	For Curved Wall Application, Add	2.63		
04 22 23 13-0032	LF 12" x 8" x 16", Lightweight, Bond Beam Or Lintel Concrete Block.....	20.51		
	For Stacked Bond, Add	4.34		
	For Grout And Fill With 2 #5 Rebar, Add	12.16		
	For Scored Block, Add	0.76		
	For Curved Wall Application, Add	3.34		
04 22 23 13-0033 Normal Weight, Bond Beam Or Lintel Concrete Blocks (04 22 23 13-0028)				
Note: Excludes concrete fill and reinforcing.				
04 22 23 13-0034	LF 6" x 8" x 16", Normal Weight, Bond Beam Or Lintel Concrete Block.....	15.30		
	For Stacked Bond, Add	3.32		
	For Grout And Fill With 2 #5 Rebar, Add	8.92		
	For Scored Block, Add	0.51		
	For Curved Wall Application, Add	2.55		
	For 3,500 PSI, Add	0.53		
	For 5,000 PSI, Add	0.91		
04 22 23 13-0035	LF 8" x 8" x 16", Normal Weight, Bond Beam Or Lintel Concrete Block.....	16.70		
	For Stacked Bond, Add	3.52		
	For Grout And Fill With 2 #5 Rebar, Add	9.93		
	For Scored Block, Add	0.63		
	For Curved Wall Application, Add	2.71		
	For 3,500 PSI, Add	0.66		
	For 5,000 PSI, Add	1.13		

Cal Poly Humboldt.		Masonry 04		04
		Unit Masonry	04 20	
		Concrete Unit Masonry	04 22	
MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
04 22 23 13-0036	LF	12" x 8" x 16", Normal Weight, Bond Beam Or Lintel Concrete Block	20.65	
		For Stacked Bond, Add	4.49	
		For Grout And Fill With 2 #5 Rebar, Add	12.02	
		For Scored Block, Add	0.68	
		For Curved Wall Application, Add	3.45	
		For 3,500 PSI, Add	0.71	
		For 5,000 PSI, Add	1.22	
04 22 23 23 Prefaced Concrete Unit Masonry (04 22 23)				
04 22 23 23-0001 Ground Face Concrete Blocks (04 22 23 23)				
04 22 23 23-0002	SF	4" x 8" x 16", Ground Face, Concrete Block	17.22	
		For Stacked Bond, Add	3.69	
		For Scored Block, Add	0.61	
		For Curved Wall Application, Add	2.84	
		For <10, Small Area Replacements (Individual Areas), Add	21.51	
04 22 23 23-0003	SF	6" x 8" x 16", Ground Face, Concrete Block	19.41	
		For Stacked Bond, Add	4.15	
		For Scored Block, Add	0.69	
		For Curved Wall Application, Add	3.19	
		For <10, Small Area Replacements (Individual Areas), Add	24.20	
04 22 23 23-0004	SF	8" x 8" x 16", Ground Face, Concrete Block	20.94	
		For Stacked Bond, Add	4.38	
		For Scored Block, Add	0.82	
		For Curved Wall Application, Add	3.37	
		For <10, Small Area Replacements (Individual Areas), Add	25.60	
04 22 23 23-0005	SF	10" x 8" x 16", Ground Face, Concrete Block	22.37	
		For Stacked Bond, Add	4.65	
		For Scored Block, Add	0.90	
		For Curved Wall Application, Add	3.58	
		For <10, Small Area Replacements (Individual Areas), Add	27.16	
04 22 23 23-0006	SF	12" x 8" x 16", Ground Face, Concrete Block	26.50	
		For Stacked Bond, Add	5.61	
		For Scored Block, Add	0.98	
		For Curved Wall Application, Add	4.32	
		For <10, Small Area Replacements (Individual Areas), Add	32.75	
04 22 23 26 Sound-Absorbing Concrete Unit Masonry (04 22 23)				
04 22 23 26-0001 Slotted, Acoustical Concrete Block (04 22 23 26)				
04 22 23 26-0002	SF	4" x 8" x 16", .45 - .55 NRC, Slotted, Acoustical Concrete Block	22.55	
		For Stacked Bond, Add	3.69	
		For Curved Wall Application, Add	2.84	
		For <10, Small Area Replacements (Individual Areas), Add	21.91	
04 22 23 26-0003	SF	6" x 8" x 16", .45 - .55 NRC, Slotted, Acoustical Concrete Block	25.22	
		For Stacked Bond, Add	4.01	
		For Curved Wall Application, Add	3.08	
		For <10, Small Area Replacements (Individual Areas), Add	23.87	
04 22 23 26-0004	SF	8" x 8" x 16", .45 - .55 NRC, Slotted, Acoustical Concrete Block	28.93	
		For Stacked Bond, Add	4.38	
		For Curved Wall Application, Add	3.37	
		For <10, Small Area Replacements (Individual Areas), Add	26.20	
04 22 23 29 Split-Face Concrete Unit Masonry (04 22 23)				
04 22 23 29-0001 Split Face, Concrete Blocks (04 22 23 29)				
04 22 23 29-0002 Plain Or Scored, Split Face, Concrete Blocks (04 22 23 29-0001)				
04 22 23 29-0003	SF	4" x 8" x 16", Plain Or Scored, Split Face, Concrete Block	17.58	
		For Stacked Bond, Add	3.69	
		For Curved Wall Application, Add	2.84	
		For <10, Small Area Replacements (Individual Areas), Add	21.54	
04 22 23 29-0004	SF	6" x 8" x 16", Plain Or Scored, Split Face, Concrete Block	19.83	
		For Stacked Bond, Add	4.15	
		For Curved Wall Application, Add	3.19	
		For <10, Small Area Replacements (Individual Areas), Add	24.23	
04 22 23 29-0005	SF	8" x 8" x 16", Plain Or Scored, Split Face, Concrete Block	21.41	
		For Stacked Bond, Add	4.38	
		For Curved Wall Application, Add	3.37	
		For <10, Small Area Replacements (Individual Areas), Add	25.63	
04 22 23 29-0006	SF	10" x 8" x 16", Plain Or Scored, Split Face, Concrete Block	22.94	
		For Stacked Bond, Add	4.65	
		For Curved Wall Application, Add	3.58	
		For <10, Small Area Replacements (Individual Areas), Add	27.20	
04 22 23 29-0007	SF	12" x 8" x 16", Plain Or Scored, Split Face, Concrete Block	26.84	
		For Stacked Bond, Add	5.61	
		For Curved Wall Application, Add	4.32	
		For <10, Small Area Replacements (Individual Areas), Add	32.78	
04 22 23 29-0008 Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Blocks (04 22 23 29-0001)				
04 22 23 29-0009	SF	4" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block	18.42	
		For Stacked Bond, Add	3.69	
		For Grout And Fill With 2 #5 Rebar, Add	11.33	
		For Curved Wall Application, Add	2.84	
		For <10, Small Area Replacements (Individual Areas), Add	21.60	

04 Masonry**04 20 Unit Masonry****04 22 Concrete Unit Masonry**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

04 22 23 29-0010	SF 6" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block	20.79	
	For Stacked Bond, Add	4.15	
	For Grout And Fill With 2 #5 Rebar, Add	12.81	
	For Curved Wall Application, Add	3.19	
	For <10, Small Area Replacements (Individual Areas), Add	24.30	
04 22 23 29-0011	SF 8" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block	22.55	
	For Stacked Bond, Add	4.38	
	For Grout And Fill With 2 #5 Rebar, Add	14.12	
	For Curved Wall Application, Add	3.37	
	For <10, Small Area Replacements (Individual Areas), Add	25.72	
04 22 23 29-0012	SF 10" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block	24.21	
	For Stacked Bond, Add	4.65	
	For Grout And Fill With 2 #5 Rebar, Add	15.27	
	For Curved Wall Application, Add	3.58	
	For <10, Small Area Replacements (Individual Areas), Add	27.29	
04 22 23 29-0013	SF 12" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block	28.15	
	For Stacked Bond, Add	5.61	
	For Grout And Fill With 2 #5 Rebar, Add	17.36	
	For Curved Wall Application, Add	4.32	
	For <10, Small Area Replacements (Individual Areas), Add	32.88	

04 22 23 29-0014 Split Rib, Concrete Block (04 22 23 29)**04 22 23 29-0015 Split Rib, Concrete Block (04 22 23 29-0014)**

04 22 23 29-0016	SF 4" x 8" x 16", Split Rib, Concrete Block	17.31	
	For Stacked Bond, Add	3.69	
	For Curved Wall Application, Add	2.84	
	For <10, Small Area Replacements (Individual Areas), Add	21.52	
04 22 23 29-0017	SF 6" x 8" x 16", Split Rib, Concrete Block	20.45	
	For Stacked Bond, Add	4.15	
	For Curved Wall Application, Add	3.19	
	For <10, Small Area Replacements (Individual Areas), Add	24.28	
04 22 23 29-0018	SF 8" x 8" x 16", Split Rib, Concrete Block	21.74	
	For Stacked Bond, Add	4.38	
	For Curved Wall Application, Add	3.37	
	For <10, Small Area Replacements (Individual Areas), Add	25.66	
04 22 23 29-0019	SF 10" x 8" x 16", Split Rib, Concrete Block	23.21	
	For Stacked Bond, Add	4.65	
	For Curved Wall Application, Add	3.58	
	For <10, Small Area Replacements (Individual Areas), Add	27.22	
04 22 23 29-0020	SF 12" x 8" x 16", Split Rib, Concrete Block	27.43	
	For Stacked Bond, Add	5.61	
	For Curved Wall Application, Add	4.32	
	For <10, Small Area Replacements (Individual Areas), Add	32.82	

04 22 23 31 Glazed Concrete Masonry Unit (04 22 23)**04 22 23 31-0001 One Glazed Face, Concrete Blocks (04 22 23 31)****04 22 23 31-0002 One Glazed Face, Concrete Blocks (04 22 23 31-0001)**

04 22 23 31-0003	SF 4" x 8" x 16", One Glazed Face, Concrete Block	28.73	
	For Stacked Bond, Add	3.58	
	For Curved Wall Application, Add	2.75	
	For <10, Small Area Replacements (Individual Areas), Add	21.75	
04 22 23 31-0004	SF 6" x 8" x 16", One Glazed Face, Concrete Block	30.83	
	For Stacked Bond, Add	3.94	
	For Curved Wall Application, Add	3.03	
	For <10, Small Area Replacements (Individual Areas), Add	23.90	
04 22 23 31-0005	SF 8" x 8" x 16", One Glazed Face, Concrete Block	32.63	
	For Stacked Bond, Add	4.15	
	For Curved Wall Application, Add	3.19	
	For <10, Small Area Replacements (Individual Areas), Add	25.19	
04 22 23 31-0006	SF 10" x 8" x 16", One Glazed Face, Concrete Block	34.56	
	For Stacked Bond, Add	4.38	
	For Curved Wall Application, Add	3.37	
	For <10, Small Area Replacements (Individual Areas), Add	26.62	
04 22 23 31-0007	SF 12" x 8" x 16", One Glazed Face, Concrete Block	38.88	
	For Stacked Bond, Add	5.28	
	For Curved Wall Application, Add	4.06	
	For <10, Small Area Replacements (Individual Areas), Add	31.87	

04 22 23 31-0008 Two Glazed Faces, Concrete Blocks (04 22 23 31)**04 22 23 31-0009 Two Glazed Faces, Concrete Blocks (04 22 23 31-0008)**

04 22 23 31-0010	SF 4" x 8" x 16", Two Glazed Faces, Concrete Block	37.93	
	For Stacked Bond, Add	4.08	
	For Curved Wall Application, Add	3.14	
	For <10, Small Area Replacements (Individual Areas), Add	25.20	
04 22 23 31-0011	SF 6" x 8" x 16", Two Glazed Faces, Concrete Block	39.84	
	For Stacked Bond, Add	4.38	
	For Curved Wall Application, Add	3.37	
	For <10, Small Area Replacements (Individual Areas), Add	27.01	
04 22 23 31-0012	SF 8" x 8" x 16", Two Glazed Faces, Concrete Block	42.59	
	For Stacked Bond, Add	4.84	
	For Curved Wall Application, Add	3.72	
	For <10, Small Area Replacements (Individual Areas), Add	29.73	

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

04 23 Glass Unit Masonry (04 20)

04 23 13 Vertical Glass Unit Masonry (04 23)

Note: Includes 1/4" mortar joints and caulking. Excludes joint reinforcement and anchors.

04 23 13 00-0001 Glass Block Unit Masonry (04 23 13)

04 23 13 00-0002	SF	6" x 6" x 4" Plain Glass Block	92.18	
		For Solar Reflective (Suntrol) Blocks, Add	19.60	
		For Essex (Horizontal Striated) Blocks, Add	11.20	
		For Sculptured Or Patterned Blocks, Add	19.60	
		For Colored Glass, Add	56.00	
		For Thinline Block, Deduct	-14.00	
		For >1,000 To 5,000, Deduct	-6.40	
		For >5,000, Deduct	-11.00	
04 23 13 00-0003	SF	8" x 8" x 4" Plain Glass Block	66.24	
		For Solar Reflective (Suntrol) Blocks, Add	13.87	
		For Essex (Horizontal Striated) Blocks, Add	7.93	
		For Sculptured Or Patterned Blocks, Add	13.87	
		For Colored Glass, Add	39.64	
		For Thinline Block, Deduct	-9.91	
		For >1,000 To 5,000, Deduct	-4.63	
		For >5,000, Deduct	-7.94	
04 23 13 00-0004	SF	12" x 12" x 4" Plain Glass Block	75.12	
		For Solar Reflective (Suntrol) Blocks, Add	17.73	
		For Essex (Horizontal Striated) Blocks, Add	10.13	
		For Sculptured Or Patterned Blocks, Add	17.73	
		For Colored Glass, Add	50.65	
		For Thinline Block, Deduct	-12.66	
		For >1,000 To 5,000, Deduct	-4.97	
		For >5,000, Deduct	-8.72	

04 23 13 00-0005 Solid Glass Block (Vistabrik®) (04 23 13)

04 23 13 00-0006	SF	3" x 8" x 3" Solid Glass Block (Vistabrik®)	930.34	
04 23 13 00-0007	SF	4" x 8" x 3" Solid Glass Block (Vistabrik®)	703.89	
04 23 13 00-0008	SF	6" x 8" x 3" Solid Glass Block (Vistabrik®)	480.14	
04 23 13 00-0009	SF	8" x 8" x 3" Solid Glass Block (Vistabrik®)	335.91	

04 40 Stone Assemblies (04)

Note: Includes pointing and cleaning of new stone and mortar. All stone prices include material and mortar.

04 41 Dry-Placed Stone (04 40)

04 41 00 00-0001 Ashlar Veneer, Random Size, Square Cut Rough Stone (04 41)

04 41 00 00-0002	SF	4" Thick Ashlar Veneer, Random Size, Square Cut Rough Stone	28.54	8.91
04 41 00 00-0003	SF	6" Thick Ashlar Veneer, Random Size, Square Cut Rough Stone	29.00	8.91

04 42 Exterior Stone Cladding (04 40)

04 42 43 Stone Panels for Curtain Walls (04 42)

04 42 43 00-0001 Marble Facing Panels (04 42 43)

Note: 3' x 1.5'

04 42 43 00-0002	SF	3/4" Thick Marble Facing Panels	65.27	18.71
04 42 43 00-0003	SF	7/8" Thick Marble Facing Panels	68.36	18.96
04 42 43 00-0004	SF	1-1/2" Thick Marble Facing Panels	77.40	19.32
04 42 43 00-0005	SF	2" Thick Marble Facing Panels	84.24	19.92
04 42 43 00-0006	SF	2-1/4" Thick Marble Facing Panels	89.72	21.12
04 42 43 00-0007	CF	Marble Face Panel	365.42	68.82

04 42 43 00-0008 Smooth Limestone Panels (04 42 43)

Note: Up to 12' x 5' panels.

04 42 43 00-0009	SF	1-1/2" Thick Smooth Limestone Panels	63.22	37.55
04 42 43 00-0010	SF	2" Thick Smooth Limestone Panels	66.97	39.36
04 42 43 00-0011	SF	3" Thick Smooth Limestone Panels	70.89	41.16
04 42 43 00-0012	SF	4" Thick Smooth Limestone Panels	81.72	45.27

04 42 43 00-0013 Sandstone Panels (04 42 43)

04 42 43 00-0014	SF	2-1/2" Thick Sandstone Panels	71.86	39.36
04 42 43 00-0015	SF	4" Thick Sandstone Panels	79.25	45.27
04 42 43 00-0016	SF	Split Face Sandstone Panels, Random Sizes	73.46	45.27

04 43 Stone Masonry (04 40)

04 43 16 Stone Fabrications (04 43)

04 43 16 00-0001 Marble (04 43 16)

04 43 16 00-0002 Marble Base (04 43 16 00-0001)

Note: 1" thick.

04 43 16 00-0003	LF	4" High Marble Base	114.67	76.74
04 43 16 00-0004	LF	6" High Marble Base	128.52	83.59

04	04	Masonry
	04 40	Stone Assemblies
	04 43	Stone Masonry



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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04 43 16 00-0005			Marble Columns (04 43 16 00-0001)		
04 43 16 00-0006	CF		Plain Faced Solid Marble Columns.....	265.48	68.82
04 43 16 00-0007	CF		Fluted, Carved Solid Marble Columns.....	412.32	68.82
04 43 16 00-0008			Marble Flooring (04 43 16 00-0001)		
04 43 16 00-0009	SF		3/8" Uniform Color Marble Flooring.....	30.37	17.57
04 43 16 00-0010	SF		1/2" Uniform Color Marble Flooring.....	32.00	17.57
04 43 16 00-0011	SF		1/2" Travertine Marble Flooring.....	37.93	20.06
04 43 16 00-0012			Marble Items (04 43 16 00-0001)		
04 43 16 00-0013	LF		12" Wide Marble Stair Treads.....	72.39	27.88
04 43 16 00-0014	LF		6" Wide Marble Stair Risers.....	55.61	22.35
04 43 16 00-0015	LF		6" Wide x 2" Thick Marble Window Sills.....	34.61	16.43
04 43 16 00-0016	LF		5" Wide x 7/8" Thick Marble Window Stool, Polished.....	61.91	20.17
04 43 16 00-0017	SF		7/8" Thick, Non-Skid, Marble Patio Blocks.....	41.48	25.47
04 43 16 00-0018			Limestone (04 43 16)		
04 43 16 00-0019			Ashlar Veneer Limestone (04 43 16 00-0018)		
04 43 16 00-0020	SF		4" Ashlar Veneer Limestone, Random Sizes.....	63.22	27.88
04 43 16 00-0021	SF		6" To 8" Thick, Pitched Face Ashlar Veneer Limestone, Random Sizes.....	95.17	38.31
04 43 16 00-0022			Limestone Coping (04 43 16 00-0018)		
			Note: Measured from the highest point. Includes drilling into existing materials, caulk and ties.		
04 43 16 00-0023	SF		2-1/2" Thick Limestone Coping.....	30.49	9.66
04 43 16 00-0024	SF		3" Thick Limestone Coping.....	33.93	10.26
04 43 16 00-0025	SF		3-1/2" Thick Limestone Coping.....	37.37	10.87
04 43 16 00-0026	SF		4" Thick Limestone Coping.....	39.60	11.23
04 43 16 00-0027	SF		5" Thick Limestone Coping.....	45.28	11.46
04 43 16 00-0028	SF		6" Thick Limestone Coping.....	64.10	12.07
04 43 16 00-0029	CF		>6" Thick Limestone Coping.....	106.27	24.95
04 43 16 00-0030			Limestone Stair Treads (04 43 16 00-0018)		
04 43 16 00-0031	SF		2" Thick Limestone Treads.....	37.31	9.05
04 43 16 00-0032	SF		2-1/2" Thick Limestone Treads.....	39.58	9.66
04 43 16 00-0033	SF		3" Thick Limestone Treads.....	44.12	10.26
04 43 16 00-0034	SF		3-1/2" Thick Limestone Treads.....	47.46	10.87
04 43 16 00-0035	SF		4" Thick Limestone Treads.....	50.79	10.87
04 43 16 00-0036	SF		5" Thick Limestone Treads.....	55.03	11.46
04 43 16 00-0037	SF		6" Thick Limestone Tread, Smooth Finish.....	74.17	12.07
04 43 16 00-0038			Limestone Items (04 43 16 00-0018)		
04 43 16 00-0039	CF		Sawn Edge Limestone Block, Sill, Lintel, Jamb And Other Trim.....	193.89	93.57
04 43 16 00-0040			Granite (04 43 16)		
04 43 16 00-0041			Polished Granite Veneer Facing Panels (04 43 16 00-0040)		
			Note: Excludes structural support steel.		
04 43 16 00-0042	SF		7/8" Thick Black Polished Granite Veneer Facing Panels.....	120.12	37.79
04 43 16 00-0043	SF		7/8" Thick Gray Polished Granite Veneer Facing Panels.....	109.08	37.79
04 43 16 00-0044			Granite Stair Treads (04 43 16 00-0040)		
04 43 16 00-0045	SF		2" Thick Granite Stair Tread.....	70.37	9.05
04 43 16 00-0046			Slate (04 43 16)		
04 43 16 00-0047			Slate Panels Or Sills (04 43 16 00-0046)		
04 43 16 00-0048	SF		1" Thick Slate Panels.....	65.04	37.79
04 43 16 00-0049	SF		2" Thick Slate Panels.....	74.56	37.79
04 43 16 00-0050			Slate Sills Or Stools (04 43 16 00-0046)		
04 43 16 00-0051	LF		6" Wide, 1" Thick Slate Sills Or Stools With Sand Finish.....	29.83	16.53
04 43 16 00-0052	LF		10" Wide, 1" Thick Slate Sills Or Stools With Sand Finish.....	35.88	16.53
04 43 16 00-0053	LF		6" Wide, 2" Thick Slate Sills Or Stools With Sand Finish.....	35.03	16.53
04 43 16 00-0054	LF		10" Wide, 2" Thick Slate Sills Or Stools With Sand Finish.....	48.01	16.53
04 43 16 00-0055			Slate Stair Treads (04 43 16 00-0046)		
04 43 16 00-0056	SF		2" Thick Slate Stair Tread.....	43.20	9.05

04 50 Refractory Masonry (04)

04 51 Flue Liner Masonry (04 50)

Note: Includes mortar joints.

04 51 00 00-0001 Rectangular Flue Liners (04 51)

04 51 00 00-0002	VLF	4" x 8" Clay Flue Liners	19.80
04 51 00 00-0003	VLF	8" x 8" Clay Flue Liners	26.83
04 51 00 00-0004	VLF	8" x 12" Clay Flue Liners.....	30.73
04 51 00 00-0005	VLF	12" x 12" Clay Flue Liners.....	38.15
04 51 00 00-0006	VLF	12" x 16" Clay Flue Liners.....	46.05
04 51 00 00-0007	VLF	12" x 18" Clay Flue Liners.....	52.17
04 51 00 00-0008	VLF	16" x 16" Clay Flue Liners.....	57.02
04 51 00 00-0009	VLF	16" x 20" Clay Flue Liners.....	69.74
04 51 00 00-0010	VLF	18" x 18" Clay Flue Liners.....	74.44
04 51 00 00-0011	VLF	20" x 20" Clay Flue Liners.....	95.37
04 51 00 00-0012	VLF	20" x 24" Clay Flue Liners.....	103.82
04 51 00 00-0013	VLF	24" x 24" Clay Flue Liners.....	122.66

04 51 00 00-0014 Round Flue Liners (04 51)

04 51 00 00-0015	VLF	6" Diameter Clay Flue Liners	47.10
04 51 00 00-0016	VLF	8" Diameter Clay Flue Liners	67.40
04 51 00 00-0017	VLF	10" Diameter Clay Flue Liners	88.04
04 51 00 00-0018	VLF	12" Diameter Clay Flue Liners	106.83
04 51 00 00-0019	VLF	15" Diameter Clay Flue Liners	130.44
04 51 00 00-0020	VLF	18" Diameter Clay Flue Liners	140.95
04 51 00 00-0021	VLF	21" Diameter Clay Flue Liners	179.48
04 51 00 00-0022	VLF	24" Diameter Clay Flue Liners	220.12
04 51 00 00-0023	VLF	27" Diameter Clay Flue Liners	253.91
04 51 00 00-0024	VLF	30" Diameter Clay Flue Liners	288.73
04 51 00 00-0025	VLF	33" Diameter Clay Flue Liners	303.29
04 51 00 00-0026	VLF	36" Diameter Clay Flue Liners	307.96

04 51 00 00-0027 Standard Chimney Block (04 51)

Note: Includes refractory mortar. Excludes flue liners.

04 51 00 00-0028	EA	14" x 14" x 8" Concrete Block Chimney Unit.....	34.59
04 51 00 00-0029	EA	14" x 18" x 8" Concrete Block Chimney Unit.....	37.87
04 51 00 00-0030	EA	16" x 16" x 8" Concrete Block Chimney Unit.....	38.11
04 51 00 00-0031	EA	17" x 17" x 8" Concrete Block Chimney Unit.....	40.00
04 51 00 00-0032	EA	16" x 20" x 8" Concrete Block Chimney Unit.....	42.10
04 51 00 00-0033	EA	17" x 21" x 8" Concrete Block Chimney Unit.....	44.36
04 51 00 00-0034	EA	21" x 21" x 8" Concrete Block Chimney Unit.....	50.11

04 70 Manufactured Masonry (04)

04 72 Cast Stone Masonry (04 70)

04 72 00 00-0001 Precast Concrete Lintels (04 72)

04 72 00 00-0002 Solid Precast Concrete Lintels (04 72 00 00-0001)

04 72 00 00-0003	LF	4" x 8", Solid Precast Concrete Lintel	18.83
04 72 00 00-0004	LF	6" x 8", Solid Precast Concrete Lintel	23.98
04 72 00 00-0005	LF	8" x 8", Solid Precast Concrete Lintel	29.61

04 72 00 00-0006 U Shaped Precast Concrete Lintels (04 72 00 00-0001)

Note: Excludes concrete fill and field added reinforcing. See CSI section 04 05 16 26-0001 for concrete fill.

04 72 00 00-0007	LF	6" x 8", U Shaped Precast Concrete Lintel	20.19
04 72 00 00-0008	LF	8" x 8", U Shaped Precast Concrete Lintel	24.47
04 72 00 00-0009	LF	12" x 8", U Shaped Precast Concrete Lintel	40.15

04 72 00 00-0010 Precast Concrete Coping (04 72)

Note: Includes caulk and ties. Excludes drilling into existing materials or other anchoring bolts.

04 72 00 00-0011 Precast Concrete Coping (04 72 00 00-0010)

Note: Measured at highest point.

04 72 00 00-0012	SF	2" Thick Precast Concrete Coping.....	53.49	13.52
04 72 00 00-0013	SF	2-1/2" Thick Precast Concrete Coping.....	59.51	14.56
04 72 00 00-0014	SF	3" Thick Precast Concrete Coping.....	68.33	15.59
04 72 00 00-0015	SF	3-1/2" Thick Precast Concrete Coping.....	73.00	16.64
04 72 00 00-0016	SF	4" Thick Precast Concrete Coping.....	77.72	17.67
04 72 00 00-0017	SF	5" Thick Precast Concrete Coping.....	91.60	18.72
04 72 00 00-0018	SF	6" Thick Precast Concrete Coping.....	103.67	19.75

04 72 00 00-0019 Precast Concrete Window Sills (04 72)

Note: Includes caulk and ties.

04 72 00 00-0020 Precast Concrete Window Sills (04 72 00 00-0019)

04 72 00 00-0021	LF	6" Wide Precast Concrete Window Sill	38.78	10.39
04 72 00 00-0022	LF	10" Wide Precast Concrete Window Sill	56.32	10.39

04	04	Masonry	
	04 70	Manufactured Masonry	
	04 72	Cast Stone Masonry	



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
04 72 00 00-0023	LF	14" Wide Precast Concrete Window Sill		65.71	10.39

END OF SECTION 04

		Metals	05
		Maintenance of Metals	05 01
		Maintenance of Metal Fabrications	05 01 50
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION
		UNIT COST	UNIT COST

05 Metals

05 01 Maintenance of Metals ⁽⁰⁵⁾

05 01 50 Maintenance of Metal Fabrications ^(05 01)

- 05 01 50 51 Cleaning of Metal Fabrications** ^(05 01 50)
See CSI section 09 01 90 52-0016 for cleaning of metal surfaces.
- 05 01 50 61 Repair of Metal Fabrications** ^(05 01 50)
See CSI section 05 05 21 00-0001 for welding, 05 05 23 00-1580 for torch cutting.
- 05 01 50 63 Refinishing of Metal Fabrications** ^(05 01 50)
See CSI section 05 12 23 00-0143 for field applied cold galvanizing, 05 12 23 00-0145 for metal grinding.

05 01 70 Maintenance of Decorative Metal ^(05 01)

- 05 01 70 51 Cleaning of Decorative Metal** ^(05 01 70)
See CSI section 09 01 90 52-0016 for cleaning of metal surfaces.
- 05 01 70 61 Repair of Decorative Metal** ^(05 01 70)
See CSI section 05 05 21 00-0001 for welding, 05 05 23 00-1580 for torch cutting.
- 05 01 70 63 Refinishing of Decorative Metal** ^(05 01 70)
See CSI section 05 12 23 00-0143 for field applied cold galvanizing, 05 12 23 00-0145 for metal grinding.

05 05 Common Work Results for Metals ⁽⁰⁵⁾

05 05 19 Post-Installed Concrete Anchors ^(05 05)

See CSI section 03 15 19 00-0000 for cast-in concrete anchors.

05 05 19 00-0001	Concrete And Masonry Anchors	^(05 05 19)	
05 05 19 00-0002	Expansion Anchors	^(05 05 19 00-0001)	
	Note: Includes drilling.		
05 05 19 00-0003	Wedge Expansion Bolt Anchors	^(05 05 19 00-0002)	
05 05 19 00-0004	Zinc Plated Steel, Wedge Anchor Expansion Bolt	^(05 05 19 00-0003)	
	Note: Includes nut and washer.		
05 05 19 00-0005	EA 1/4" Diameter x 1-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt		13.67
	For >10 To 50, Deduct		-0.63
	For >50 To 100, Deduct		-1.29
	For >100, Deduct		-2.58
05 05 19 00-0006	EA 1/4" Diameter x 2-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt		13.83
	For >10 To 50, Deduct		-0.63
	For >50 To 100, Deduct		-1.30
	For >100, Deduct		-2.59
05 05 19 00-0007	EA 1/4" Diameter x 3-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt		14.27
	For >10 To 50, Deduct		-0.65
	For >50 To 100, Deduct		-1.33
	For >100, Deduct		-2.66
05 05 19 00-0008	EA 3/8" Diameter x 2-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt		16.83
	For >10 To 50, Deduct		-0.77
	For >50 To 100, Deduct		-1.58
	For >100, Deduct		-3.15
05 05 19 00-0009	EA 3/8" Diameter x 2-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt		16.94
	For >10 To 50, Deduct		-0.77
	For >50 To 100, Deduct		-1.58
	For >100, Deduct		-3.16
05 05 19 00-0010	EA 3/8" Diameter x 3" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt		16.98
	For >10 To 50, Deduct		-0.77
	For >50 To 100, Deduct		-1.58
	For >100, Deduct		-3.16
05 05 19 00-0011	EA 3/8" Diameter x 5" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt		17.44
	For >10 To 50, Deduct		-0.77
	For >50 To 100, Deduct		-1.59
	For >100, Deduct		-3.18
05 05 19 00-0012	EA 1/2" Diameter x 2-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt		24.48
	For >10 To 50, Deduct		-1.10
	For >50 To 100, Deduct		-2.25
	For >100, Deduct		-4.51
05 05 19 00-0013	EA 1/2" Diameter x 3-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt		24.57
	For >10 To 50, Deduct		-1.10
	For >50 To 100, Deduct		-2.26
	For >100, Deduct		-4.51
05 05 19 00-0014	EA 1/2" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt		24.76
	For >10 To 50, Deduct		-1.10
	For >50 To 100, Deduct		-2.26
	For >100, Deduct		-4.52
05 05 19 00-0015	EA 1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt		25.28
	For >10 To 50, Deduct		-1.10
	For >50 To 100, Deduct		-2.27
	For >100, Deduct		-4.55
05 05 19 00-0016	EA 1/2" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt		25.98
	For >10 To 50, Deduct		-1.10
	For >50 To 100, Deduct		-2.29
	For >100, Deduct		-4.58

05 Metals**05 05 Common Work Results for Metals****05 05 19 Post-Installed Concrete Anchors**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 05 19 00-0017	EA	5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	32.23	
		For >10 To 50, Deduct	-1.35	
		For >50 To 100, Deduct	-2.83	
		For >100, Deduct	-5.67	
05 05 19 00-0018	EA	5/8" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	32.38	
		For >10 To 50, Deduct	-1.35	
		For >50 To 100, Deduct	-2.84	
		For >100, Deduct	-5.67	
05 05 19 00-0019	EA	5/8" Diameter x 5" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	32.70	
		For >10 To 50, Deduct	-1.35	
		For >50 To 100, Deduct	-2.84	
		For >100, Deduct	-5.69	
05 05 19 00-0020	EA	5/8" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	33.33	
		For >10 To 50, Deduct	-1.35	
		For >50 To 100, Deduct	-2.86	
		For >100, Deduct	-5.72	
05 05 19 00-0021	EA	5/8" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	33.95	
		For >10 To 50, Deduct	-1.35	
		For >50 To 100, Deduct	-2.88	
		For >100, Deduct	-5.75	
05 05 19 00-0022	EA	5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	38.90	
		For >10 To 50, Deduct	-1.35	
		For >50 To 100, Deduct	-3.00	
		For >100, Deduct	-6.00	
05 05 19 00-0023	EA	5/8" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	43.15	
		For >10 To 50, Deduct	-1.35	
		For >50 To 100, Deduct	-3.11	
		For >100, Deduct	-6.21	
05 05 19 00-0024	EA	3/4" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	39.03	
		For >10 To 50, Deduct	-1.61	
		For >50 To 100, Deduct	-3.39	
		For >100, Deduct	-6.78	
05 05 19 00-0025	EA	3/4" Diameter x 4-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	39.16	
		For >10 To 50, Deduct	-1.61	
		For >50 To 100, Deduct	-3.39	
		For >100, Deduct	-6.78	
05 05 19 00-0026	EA	3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	39.92	
		For >10 To 50, Deduct	-1.61	
		For >50 To 100, Deduct	-3.41	
		For >100, Deduct	-6.82	
05 05 19 00-0027	EA	3/4" Diameter x 6-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	40.83	
		For >10 To 50, Deduct	-1.61	
		For >50 To 100, Deduct	-3.43	
		For >100, Deduct	-6.87	
05 05 19 00-0028	EA	3/4" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	41.87	
		For >10 To 50, Deduct	-1.61	
		For >50 To 100, Deduct	-3.46	
		For >100, Deduct	-6.92	
05 05 19 00-0029	EA	3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	45.83	
		For >10 To 50, Deduct	-1.61	
		For >50 To 100, Deduct	-3.56	
		For >100, Deduct	-7.12	
05 05 19 00-0030	EA	3/4" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	51.11	
		For >10 To 50, Deduct	-1.61	
		For >50 To 100, Deduct	-3.69	
		For >100, Deduct	-7.38	
05 05 19 00-0031	EA	3/4" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	57.06	
		For >10 To 50, Deduct	-1.61	
		For >50 To 100, Deduct	-3.84	
		For >100, Deduct	-7.68	
05 05 19 00-0032	EA	7/8" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	54.53	
		For >10 To 50, Deduct	-1.75	
		For >50 To 100, Deduct	-3.98	
		For >100, Deduct	-7.96	
05 05 19 00-0033	EA	7/8" Diameter x 8" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	57.66	
		For >10 To 50, Deduct	-1.75	
		For >50 To 100, Deduct	-4.06	
		For >100, Deduct	-8.12	
05 05 19 00-0034	EA	7/8" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	61.81	
		For >10 To 50, Deduct	-1.75	
		For >50 To 100, Deduct	-4.16	
		For >100, Deduct	-8.33	
05 05 19 00-0035	EA	1" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	66.99	
		For >10 To 50, Deduct	-2.26	
		For >50 To 100, Deduct	-5.06	
		For >100, Deduct	-10.12	
05 05 19 00-0036	EA	1" Diameter x 9" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	72.89	
		For >10 To 50, Deduct	-2.26	
		For >50 To 100, Deduct	-5.21	
		For >100, Deduct	-10.42	
05 05 19 00-0037	EA	1" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	78.73	
		For >10 To 50, Deduct	-2.26	
		For >50 To 100, Deduct	-5.36	
		For >100, Deduct	-10.71	
05 05 19 00-0038	EA	1-1/4" Diameter x 9" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	87.54	
		For >10 To 50, Deduct	-2.89	
		For >50 To 100, Deduct	-6.53	
		For >100, Deduct	-13.05	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
05 05 19 00-0039	EA		1-1/4" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	91.75	
			For >10 To 50, Deduct	-2.89	
			For >50 To 100, Deduct	-6.63	
			For >100, Deduct	-13.26	
05 05 19 00-0040			304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt (05 05 19 00-0003)		
			Note: Includes nut and washer.		
05 05 19 00-0041	EA		1/4" Diameter x 1-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	14.86	
			For >10 To 50, Deduct	-0.63	
			For >50 To 100, Deduct	-1.32	
			For >100, Deduct	-2.64	
05 05 19 00-0042	EA		1/4" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	15.37	
			For >10 To 50, Deduct	-0.63	
			For >50 To 100, Deduct	-1.33	
			For >100, Deduct	-2.67	
05 05 19 00-0043	EA		1/4" Diameter x 3-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	16.03	
			For >10 To 50, Deduct	-0.65	
			For >50 To 100, Deduct	-1.38	
			For >100, Deduct	-2.75	
05 05 19 00-0044	EA		3/8" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	19.10	
			For >10 To 50, Deduct	-0.77	
			For >50 To 100, Deduct	-1.63	
			For >100, Deduct	-3.27	
05 05 19 00-0045	EA		3/8" Diameter x 2-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	19.54	
			For >10 To 50, Deduct	-0.77	
			For >50 To 100, Deduct	-1.64	
			For >100, Deduct	-3.29	
05 05 19 00-0046	EA		3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	19.85	
			For >10 To 50, Deduct	-0.77	
			For >50 To 100, Deduct	-1.65	
			For >100, Deduct	-3.30	
05 05 19 00-0047	EA		3/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	22.24	
			For >10 To 50, Deduct	-0.77	
			For >50 To 100, Deduct	-1.71	
			For >100, Deduct	-3.42	
05 05 19 00-0048	EA		1/2" Diameter x 2-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	29.65	
			For >10 To 50, Deduct	-1.10	
			For >50 To 100, Deduct	-2.38	
			For >100, Deduct	-4.77	
05 05 19 00-0049	EA		1/2" Diameter x 3-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	30.48	
			For >10 To 50, Deduct	-1.10	
			For >50 To 100, Deduct	-2.40	
			For >100, Deduct	-4.81	
05 05 19 00-0050	EA		1/2" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	30.96	
			For >10 To 50, Deduct	-1.10	
			For >50 To 100, Deduct	-2.42	
			For >100, Deduct	-4.83	
05 05 19 00-0051	EA		1/2" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	33.14	
			For >10 To 50, Deduct	-1.10	
			For >50 To 100, Deduct	-2.47	
			For >100, Deduct	-4.94	
05 05 19 00-0052	EA		1/2" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	36.42	
			For >10 To 50, Deduct	-1.10	
			For >50 To 100, Deduct	-2.55	
			For >100, Deduct	-5.11	
05 05 19 00-0053	EA		5/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	42.74	
			For >10 To 50, Deduct	-1.35	
			For >50 To 100, Deduct	-3.10	
			For >100, Deduct	-6.19	
05 05 19 00-0054	EA		5/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	44.88	
			For >10 To 50, Deduct	-1.35	
			For >50 To 100, Deduct	-3.15	
			For >100, Deduct	-6.30	
05 05 19 00-0055	EA		5/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	47.18	
			For >10 To 50, Deduct	-1.35	
			For >50 To 100, Deduct	-3.21	
			For >100, Deduct	-6.41	
05 05 19 00-0056	EA		5/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	50.25	
			For >10 To 50, Deduct	-1.35	
			For >50 To 100, Deduct	-3.28	
			For >100, Deduct	-6.57	
05 05 19 00-0057	EA		5/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	63.71	
			For >10 To 50, Deduct	-1.35	
			For >50 To 100, Deduct	-3.62	
			For >100, Deduct	-7.24	
05 05 19 00-0058	EA		3/4" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	51.03	
			For >10 To 50, Deduct	-1.61	
			For >50 To 100, Deduct	-3.69	
			For >100, Deduct	-7.38	
05 05 19 00-0059	EA		3/4" Diameter x 4-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	55.36	
			For >10 To 50, Deduct	-1.61	
			For >50 To 100, Deduct	-3.80	
			For >100, Deduct	-7.59	
05 05 19 00-0060	EA		3/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	59.06	
			For >10 To 50, Deduct	-1.61	
			For >50 To 100, Deduct	-3.89	
			For >100, Deduct	-7.78	

05 Metals**05 05 Common Work Results for Metals****05 05 19 Post-Installed Concrete Anchors**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 05 19 00-0061	EA	3/4" Diameter x 6-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	59.52	
		For >10 To 50, Deduct	-1.61	
		For >50 To 100, Deduct	-3.90	
		For >100, Deduct	-7.80	
05 05 19 00-0062	EA	3/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	62.99	
		For >10 To 50, Deduct	-1.61	
		For >50 To 100, Deduct	-3.99	
		For >100, Deduct	-7.97	
05 05 19 00-0063	EA	3/4" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	72.01	
		For >10 To 50, Deduct	-1.61	
		For >50 To 100, Deduct	-4.21	
		For >100, Deduct	-8.42	
05 05 19 00-0064	EA	3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	84.73	
		For >10 To 50, Deduct	-1.61	
		For >50 To 100, Deduct	-4.53	
		For >100, Deduct	-9.06	
05 05 19 00-0065	EA	7/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	85.11	
		For >10 To 50, Deduct	-1.75	
		For >50 To 100, Deduct	-4.75	
		For >100, Deduct	-9.49	
05 05 19 00-0066	EA	1" Diameter x 6" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	123.91	
		For >10 To 50, Deduct	-2.26	
		For >50 To 100, Deduct	-6.48	
		For >100, Deduct	-12.97	
05 05 19 00-0067	EA	1" Diameter x 9" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	142.72	
		For >10 To 50, Deduct	-2.26	
		For >50 To 100, Deduct	-6.96	
		For >100, Deduct	-13.91	

05 05 19 00-0068 316 Stainless Steel, Wedge Anchor Expansion Bolt (05 05 19 00-0003)

Note: Includes nut and washer.

05 05 19 00-0069	EA	1/4" Diameter x 2-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	15.30	
		For >10 To 50, Deduct	-0.63	
		For >50 To 100, Deduct	-1.33	
		For >100, Deduct	-2.66	
05 05 19 00-0070	EA	1/4" Diameter x 3-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	16.22	
		For >10 To 50, Deduct	-0.65	
		For >50 To 100, Deduct	-1.38	
		For >100, Deduct	-2.76	
05 05 19 00-0071	EA	3/8" Diameter x 2-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	20.53	
		For >10 To 50, Deduct	-0.77	
		For >50 To 100, Deduct	-1.67	
		For >100, Deduct	-3.34	
05 05 19 00-0072	EA	3/8" Diameter x 2-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	21.28	
		For >10 To 50, Deduct	-0.77	
		For >50 To 100, Deduct	-1.69	
		For >100, Deduct	-3.37	
05 05 19 00-0073	EA	3/8" Diameter x 3" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	21.47	
		For >10 To 50, Deduct	-0.77	
		For >50 To 100, Deduct	-1.69	
		For >100, Deduct	-3.38	
05 05 19 00-0074	EA	3/8" Diameter x 5" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	25.08	
		For >10 To 50, Deduct	-0.77	
		For >50 To 100, Deduct	-1.78	
		For >100, Deduct	-3.56	
05 05 19 00-0075	EA	1/2" Diameter x 2-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	33.10	
		For >10 To 50, Deduct	-1.10	
		For >50 To 100, Deduct	-2.47	
		For >100, Deduct	-4.94	
05 05 19 00-0076	EA	1/2" Diameter x 3-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	35.20	
		For >10 To 50, Deduct	-1.10	
		For >50 To 100, Deduct	-2.52	
		For >100, Deduct	-5.05	
05 05 19 00-0077	EA	1/2" Diameter x 4-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	39.01	
		For >10 To 50, Deduct	-1.10	
		For >50 To 100, Deduct	-2.62	
		For >100, Deduct	-5.24	
05 05 19 00-0078	EA	1/2" Diameter x 5-1/2" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	39.96	
		For >10 To 50, Deduct	-1.10	
		For >50 To 100, Deduct	-2.64	
		For >100, Deduct	-5.28	
05 05 19 00-0079	EA	5/8" Diameter x 5" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	54.41	
		For >10 To 50, Deduct	-1.35	
		For >50 To 100, Deduct	-3.39	
		For >100, Deduct	-6.78	
05 05 19 00-0080	EA	5/8" Diameter x 7" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	55.55	
		For >10 To 50, Deduct	-1.35	
		For >50 To 100, Deduct	-3.42	
		For >100, Deduct	-6.83	
05 05 19 00-0081	EA	3/4" Diameter x 4-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	67.34	
		For >10 To 50, Deduct	-1.61	
		For >50 To 100, Deduct	-4.10	
		For >100, Deduct	-8.19	
05 05 19 00-0082	EA	3/4" Diameter x 5-1/2" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	72.10	
		For >10 To 50, Deduct	-1.61	
		For >50 To 100, Deduct	-4.21	
		For >100, Deduct	-8.43	

05 05 19 00-0083	Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt (05 05 19 00-0003)			
	Note: Includes nut and washer.			
05 05 19 00-0084	EA	1/2"	1/2" Diameter x 2-3/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	27.69
			For >10 To 50, Deduct	-1.10
			For >50 To 100, Deduct	-2.33
			For >100, Deduct	-4.67
05 05 19 00-0085	EA	1/2"	1/2" Diameter x 4-1/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	29.21
			For >10 To 50, Deduct	-1.10
			For >50 To 100, Deduct	-2.37
			For >100, Deduct	-4.75
05 05 19 00-0086	EA	1/2"	1/2" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	30.74
			For >10 To 50, Deduct	-1.10
			For >50 To 100, Deduct	-2.41
			For >100, Deduct	-4.82
05 05 19 00-0087	EA	1/2"	1/2" Diameter x 7" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	31.50
			For >10 To 50, Deduct	-1.10
			For >50 To 100, Deduct	-2.43
			For >100, Deduct	-4.86
05 05 19 00-0088	EA	5/8"	5/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	38.00
			For >10 To 50, Deduct	-1.35
			For >50 To 100, Deduct	-2.98
			For >100, Deduct	-5.95
05 05 19 00-0089	EA	5/8"	5/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	36.17
			For >10 To 50, Deduct	-1.35
			For >50 To 100, Deduct	-2.93
			For >100, Deduct	-5.86
05 05 19 00-0090	EA	3/4"	3/4" Diameter x 4-3/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	49.24
			For >10 To 50, Deduct	-1.61
			For >50 To 100, Deduct	-3.64
			For >100, Deduct	-7.29
05 05 19 00-0091	EA	3/4"	3/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	50.92
			For >10 To 50, Deduct	-1.61
			For >50 To 100, Deduct	-3.69
			For >100, Deduct	-7.37
05 05 19 00-0092	EA	3/4"	3/4" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	59.16
			For >10 To 50, Deduct	-1.61
			For >50 To 100, Deduct	-3.89
			For >100, Deduct	-7.78
05 05 19 00-0093	EA	1"	1" Diameter x 6" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	62.73
			For >10 To 50, Deduct	-2.26
			For >50 To 100, Deduct	-4.96
			For >100, Deduct	-9.91
05 05 19 00-0094	EA	1"	1" Diameter x 9" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	67.48
			For >10 To 50, Deduct	-2.26
			For >50 To 100, Deduct	-5.07
			For >100, Deduct	-10.15
05 05 19 00-0095	EA	1"	1" Diameter x 12" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	72.18
			For >10 To 50, Deduct	-2.26
			For >50 To 100, Deduct	-5.19
			For >100, Deduct	-10.38

05 05 19 00-0096	Concrete Sleeve Anchors (05 05 19 00-0002)			
05 05 19 00-0097	Zinc Plated Steel, Concrete Sleeve Anchors (05 05 19 00-0096)			
	Note: Includes nut and washer.			
05 05 19 00-0098	EA	1/4"	1/4" Diameter x 5/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor	13.68
			For >10 To 50, Deduct	-0.65
			For >50 To 100, Deduct	-1.31
			For >100, Deduct	-2.63
05 05 19 00-0099	EA	1/4"	1/4" Diameter x 1-3/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor	13.90
			For >10 To 50, Deduct	-0.65
			For >50 To 100, Deduct	-1.32
			For >100, Deduct	-2.64
05 05 19 00-0100	EA	1/4"	1/4" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	14.18
			For >10 To 50, Deduct	-0.65
			For >50 To 100, Deduct	-1.33
			For >100, Deduct	-2.65
05 05 19 00-0101	EA	5/16"	5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	14.43
			For >10 To 50, Deduct	-0.68
			For >50 To 100, Deduct	-1.38
			For >100, Deduct	-2.76
05 05 19 00-0102	EA	5/16"	5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	14.64
			For >10 To 50, Deduct	-0.68
			For >50 To 100, Deduct	-1.39
			For >100, Deduct	-2.77
05 05 19 00-0103	EA	3/8"	3/8" Diameter x 1-7/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor	16.34
			For >10 To 50, Deduct	-0.77
			For >50 To 100, Deduct	-1.56
			For >100, Deduct	-3.12
05 05 19 00-0104	EA	3/8"	3/8" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor	16.73
			For >10 To 50, Deduct	-0.77
			For >50 To 100, Deduct	-1.57
			For >100, Deduct	-3.14
05 05 19 00-0105	EA	3/8"	3/8" Diameter x 4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	17.09
			For >10 To 50, Deduct	-0.77
			For >50 To 100, Deduct	-1.58
			For >100, Deduct	-3.16

05 Metals**05 05 Common Work Results for Metals****05 05 19 Post-Installed Concrete Anchors**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 05 19 00-0106	EA	1/2" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	23.64	
		For >10 To 50, Deduct	-1.09	
		For >50 To 100, Deduct	-2.23	
		For >100, Deduct	-4.46	
05 05 19 00-0107	EA	1/2" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor	24.11	
		For >10 To 50, Deduct	-1.09	
		For >50 To 100, Deduct	-2.24	
		For >100, Deduct	-4.49	
05 05 19 00-0108	EA	1/2" Diameter x 4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	24.53	
		For >10 To 50, Deduct	-1.09	
		For >50 To 100, Deduct	-2.25	
		For >100, Deduct	-4.51	
05 05 19 00-0109	EA	1/2" Diameter x 6" Length, Zinc Plated Steel, Concrete Sleeve Anchor	25.02	
		For >10 To 50, Deduct	-1.09	
		For >50 To 100, Deduct	-2.27	
		For >100, Deduct	-4.53	
05 05 19 00-0110	EA	5/8" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	29.75	
		For >10 To 50, Deduct	-1.35	
		For >50 To 100, Deduct	-2.77	
		For >100, Deduct	-5.54	
05 05 19 00-0111	EA	5/8" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor	30.47	
		For >10 To 50, Deduct	-1.35	
		For >50 To 100, Deduct	-2.79	
		For >100, Deduct	-5.58	
05 05 19 00-0112	EA	5/8" Diameter x 4-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	31.02	
		For >10 To 50, Deduct	-1.35	
		For >50 To 100, Deduct	-2.80	
		For >100, Deduct	-5.60	
05 05 19 00-0113	EA	5/8" Diameter x 6" Length, Zinc Plated Steel, Concrete Sleeve Anchor	32.58	
		For >10 To 50, Deduct	-1.35	
		For >50 To 100, Deduct	-2.84	
		For >100, Deduct	-5.68	
05 05 19 00-0114	EA	3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	36.70	
		For >10 To 50, Deduct	-1.61	
		For >50 To 100, Deduct	-3.33	
		For >100, Deduct	-6.66	
05 05 19 00-0115	EA	3/4" Diameter x 4-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	38.05	
		For >10 To 50, Deduct	-1.61	
		For >50 To 100, Deduct	-3.36	
		For >100, Deduct	-6.73	
05 05 19 00-0116	EA	3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	39.26	
		For >10 To 50, Deduct	-1.61	
		For >50 To 100, Deduct	-3.39	
		For >100, Deduct	-6.79	
05 05 19 00-0117	EA	3/4" Diameter x 6-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	41.20	
		For >10 To 50, Deduct	-1.61	
		For >50 To 100, Deduct	-3.44	
		For >100, Deduct	-6.88	

05 05 19 00-0118 304/18-8 Stainless Steel, Concrete Sleeve Anchors (05 05 19 00-0096)

Note: Includes nut and washer.

05 05 19 00-0119	EA	1/4" Diameter x 1-3/8" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	15.67	
		For >10 To 50, Deduct	-0.65	
		For >50 To 100, Deduct	-1.36	
		For >100, Deduct	-2.72	
05 05 19 00-0120	EA	3/8" Diameter x 1-7/8" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	20.49	
		For >10 To 50, Deduct	-0.77	
		For >50 To 100, Deduct	-1.67	
		For >100, Deduct	-3.33	
05 05 19 00-0121	EA	3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	22.51	
		For >10 To 50, Deduct	-0.77	
		For >50 To 100, Deduct	-1.72	
		For >100, Deduct	-3.43	
05 05 19 00-0122	EA	1/2" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	30.54	
		For >10 To 50, Deduct	-1.09	
		For >50 To 100, Deduct	-2.40	
		For >100, Deduct	-4.81	
05 05 19 00-0123	EA	1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	34.18	
		For >10 To 50, Deduct	-1.09	
		For >50 To 100, Deduct	-2.49	
		For >100, Deduct	-4.99	
05 05 19 00-0124	EA	5/8" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	46.84	
		For >10 To 50, Deduct	-1.35	
		For >50 To 100, Deduct	-3.20	
		For >100, Deduct	-6.40	

05 05 19 00-0125 Concrete Strike Anchors (05 05 19 00-0002)

Note: Includes nut and washer.

05 05 19 00-0126	EA	1/4" Diameter x 1-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	14.78	
		For >10 To 50, Deduct	-0.65	
		For >50 To 100, Deduct	-1.34	
		For >100, Deduct	-2.68	
05 05 19 00-0127	EA	1/4" Diameter x 2-3/8" Length, Zinc Plated Steel, Concrete Strike Anchor	15.16	
		For >10 To 50, Deduct	-0.65	
		For >50 To 100, Deduct	-1.35	
		For >100, Deduct	-2.70	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0128	EA	5/16" Diameter x 2-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	15.79	
		For >10 To 50, Deduct	-0.68	
		For >50 To 100, Deduct	-1.41	
		For >100, Deduct	-2.83	
05 05 19 00-0129	EA	5/16" Diameter x 4" Length, Zinc Plated Steel, Concrete Strike Anchor	17.36	
		For >10 To 50, Deduct	-0.68	
		For >50 To 100, Deduct	-1.45	
		For >100, Deduct	-2.91	
05 05 19 00-0130	EA	3/8" Diameter x 2-3/8" Length, Zinc Plated Steel, Concrete Strike Anchor	18.05	
		For >10 To 50, Deduct	-0.77	
		For >50 To 100, Deduct	-1.60	
		For >100, Deduct	-3.21	
05 05 19 00-0131	EA	3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Concrete Strike Anchor	19.23	
		For >10 To 50, Deduct	-0.77	
		For >50 To 100, Deduct	-1.63	
		For >100, Deduct	-3.27	
05 05 19 00-0132	EA	3/8" Diameter x 5" Length, Zinc Plated Steel, Concrete Strike Anchor	20.14	
		For >10 To 50, Deduct	-0.77	
		For >50 To 100, Deduct	-1.66	
		For >100, Deduct	-3.31	
05 05 19 00-0133	EA	1/2" Diameter x 2-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	26.55	
		For >10 To 50, Deduct	-1.09	
		For >50 To 100, Deduct	-2.30	
		For >100, Deduct	-4.61	
05 05 19 00-0134	EA	1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Concrete Strike Anchor	27.26	
		For >10 To 50, Deduct	-1.09	
		For >50 To 100, Deduct	-2.32	
		For >100, Deduct	-4.64	
05 05 19 00-0135	EA	1/2" Diameter x 4-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	29.32	
		For >10 To 50, Deduct	-1.09	
		For >50 To 100, Deduct	-2.37	
		For >100, Deduct	-4.75	
05 05 19 00-0136	EA	1/2" Diameter x 6" Length, Zinc Plated Steel, Concrete Strike Anchor	32.00	
		For >10 To 50, Deduct	-1.09	
		For >50 To 100, Deduct	-2.44	
		For >100, Deduct	-4.88	
05 05 19 00-0137	EA	5/8" Diameter x 4" Length, Zinc Plated Steel, Concrete Strike Anchor	35.95	
		For >10 To 50, Deduct	-1.35	
		For >50 To 100, Deduct	-2.93	
		For >100, Deduct	-5.85	
05 05 19 00-0138	EA	5/8" Diameter x 4-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	38.42	
		For >10 To 50, Deduct	-1.35	
		For >50 To 100, Deduct	-2.99	
		For >100, Deduct	-5.97	
05 05 19 00-0139	EA	5/8" Diameter x 6" Length, Zinc Plated Steel, Concrete Strike Anchor	40.60	
		For >10 To 50, Deduct	-1.35	
		For >50 To 100, Deduct	-3.04	
		For >100, Deduct	-6.08	
05 05 19 00-0140	EA	3/4" Diameter x 5" Length, Zinc Plated Steel, Concrete Strike Anchor	47.00	
		For >10 To 50, Deduct	-1.61	
		For >50 To 100, Deduct	-3.59	
		For >100, Deduct	-7.17	
05 05 19 00-0141	EA	3/4" Diameter x 6" Length, Zinc Plated Steel, Concrete Strike Anchor	49.31	
		For >10 To 50, Deduct	-1.61	
		For >50 To 100, Deduct	-3.64	
		For >100, Deduct	-7.29	
05 05 19 00-0142		Multi-Set Drop-In Anchors (05 05 19 00-0002)		
05 05 19 00-0143		Zinc Plated Steel, Multi-Set Drop-In Anchors (05 05 19 00-0142)		
		Note: Excludes bolt, nut and washer.		
05 05 19 00-0144	EA	1/4" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	18.99	
		For >10 To 50, Deduct	-0.90	
		For >50 To 100, Deduct	-1.83	
		For >100, Deduct	-3.65	
05 05 19 00-0145	EA	3/8" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	23.25	
		For >10 To 50, Deduct	-1.10	
		For >50 To 100, Deduct	-2.23	
		For >100, Deduct	-4.46	
05 05 19 00-0146	EA	1/2" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	28.63	
		For >10 To 50, Deduct	-1.29	
		For >50 To 100, Deduct	-2.66	
		For >100, Deduct	-5.31	
05 05 19 00-0147	EA	5/8" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	32.78	
		For >10 To 50, Deduct	-1.42	
		For >50 To 100, Deduct	-2.95	
		For >100, Deduct	-5.91	
05 05 19 00-0148	EA	3/4" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	39.80	
		For >10 To 50, Deduct	-1.62	
		For >50 To 100, Deduct	-3.42	
		For >100, Deduct	-6.84	
05 05 19 00-0149		304/18-8 Stainless Steel, Multi-Set Drop-In Anchors (05 05 19 00-0142)		
		Note: Excludes bolt, nut and washer.		
05 05 19 00-0150	EA	1/4" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor	23.14	
		For >10 To 50, Deduct	-0.90	
		For >50 To 100, Deduct	-1.93	
		For >100, Deduct	-3.86	

05 Metals**05 05 Common Work Results for Metals****05 05 19 Post-Installed Concrete Anchors**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 05 19 00-0151	EA	3/8" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor.....	31.14	
		For >10 To 50, Deduct	-1.10	
		For >50 To 100, Deduct	-2.43	
		For >100, Deduct	-4.85	
05 05 19 00-0152	EA	1/2" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor.....	38.92	
		For >10 To 50, Deduct	-1.29	
		For >50 To 100, Deduct	-2.91	
		For >100, Deduct	-5.83	
05 05 19 00-0153	EA	5/8" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor.....	49.35	
		For >10 To 50, Deduct	-1.42	
		For >50 To 100, Deduct	-3.37	
		For >100, Deduct	-6.73	
05 05 19 00-0154	EA	3/4" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor.....	68.29	
		For >10 To 50, Deduct	-1.62	
		For >50 To 100, Deduct	-4.13	
		For >100, Deduct	-8.27	

05 05 19 00-0155 Single Bolt Expansion Anchors (05 05 19 00-0002)

Note: Excludes bolt, nut and washer.

05 05 19 00-0156	EA	1/4" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	14.01	
		For >10 To 50, Deduct	-0.65	
		For >50 To 100, Deduct	-1.32	
		For >100, Deduct	-2.64	
05 05 19 00-0157	EA	5/16" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	15.05	
		For >10 To 50, Deduct	-0.68	
		For >50 To 100, Deduct	-1.40	
		For >100, Deduct	-2.79	
05 05 19 00-0158	EA	3/8" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	17.01	
		For >10 To 50, Deduct	-0.77	
		For >50 To 100, Deduct	-1.58	
		For >100, Deduct	-3.16	
05 05 19 00-0159	EA	1/2" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	25.02	
		For >10 To 50, Deduct	-1.09	
		For >50 To 100, Deduct	-2.27	
		For >100, Deduct	-4.53	
05 05 19 00-0160	EA	5/8" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	35.65	
		For >10 To 50, Deduct	-1.35	
		For >50 To 100, Deduct	-2.92	
		For >100, Deduct	-5.84	
05 05 19 00-0161	EA	3/4" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	43.13	
		For >10 To 50, Deduct	-1.61	
		For >50 To 100, Deduct	-3.49	
		For >100, Deduct	-6.98	

05 05 19 00-0162 Concrete Lag Shield Anchors (05 05 19 00-0002)

Note: Excludes lag bolt and washer.

05 05 19 00-0163	EA	1/4" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor.....	13.97	
		For >10 To 50, Deduct	-0.65	
		For >50 To 100, Deduct	-1.32	
		For >100, Deduct	-2.64	
05 05 19 00-0164	EA	5/16" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor.....	16.61	
		For >10 To 50, Deduct	-0.77	
		For >50 To 100, Deduct	-1.57	
		For >100, Deduct	-3.14	
05 05 19 00-0165	EA	3/8" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor.....	17.44	
		For >10 To 50, Deduct	-0.77	
		For >50 To 100, Deduct	-1.59	
		For >100, Deduct	-3.18	
05 05 19 00-0166	EA	1/2" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor.....	24.57	
		For >10 To 50, Deduct	-1.09	
		For >50 To 100, Deduct	-2.25	
		For >100, Deduct	-4.51	
05 05 19 00-0167	EA	5/8" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor.....	34.17	
		For >10 To 50, Deduct	-1.35	
		For >50 To 100, Deduct	-2.88	
		For >100, Deduct	-5.76	
05 05 19 00-0168	EA	3/4" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor.....	37.80	
		For >10 To 50, Deduct	-1.61	
		For >50 To 100, Deduct	-3.36	
		For >100, Deduct	-6.71	

05 05 19 00-0169 Chemical And Adhesive Anchors (05 05 19 00-0001)**05 05 19 00-0170 Chemically Adhered Anchor Rods (05 05 19 00-0169)**

Note: Includes drilling hole, injected adhesive or pre-placed adhesive cartridge, nut and washer. Zinc coated carbon steel.

05 05 19 00-0171	EA	1/4" x 1-9/16" Long Chemically Adhered Anchor Rod.....	18.60	
		For >10 To 50, Deduct	-0.71	
		For >50 To 100, Deduct	-1.53	
		For >100, Deduct	-3.06	
05 05 19 00-0172	EA	5/16" x 2-3/8" Long Chemically Adhered Anchor Rod.....	21.89	
		For >10 To 50, Deduct	-0.78	
		For >50 To 100, Deduct	-1.71	
		For >100, Deduct	-3.42	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0173	EA	3/8" x 2-3/4" Long Chemically Adhered Anchor Rod	.....	27.13	
		For >10 To 50, Deduct	.....	-0.97	
		For >50 To 100, Deduct	.....	-2.13	
		For >100, Deduct	.....	-4.27	
05 05 19 00-0174	EA	1/2" x 3-11/16" Long Chemically Adhered Anchor Rod	.....	32.07	
		For >10 To 50, Deduct	.....	-1.09	
		For >50 To 100, Deduct	.....	-2.44	
		For >100, Deduct	.....	-4.88	
05 05 19 00-0175	EA	1/2" x 5-1/2" Long Chemically Adhered Anchor Rod	.....	34.40	
		For >10 To 50, Deduct	.....	-1.09	
		For >50 To 100, Deduct	.....	-2.50	
		For >100, Deduct	.....	-5.00	
05 05 19 00-0176	EA	5/8" x 7" Long Chemically Adhered Anchor Rod	.....	42.58	
		For >10 To 50, Deduct	.....	-1.35	
		For >50 To 100, Deduct	.....	-3.09	
		For >100, Deduct	.....	-6.18	
05 05 19 00-0177	EA	3/4" x 9-1/2" Long Chemically Adhered Anchor Rod	.....	56.25	
		For >10 To 50, Deduct	.....	-1.61	
		For >50 To 100, Deduct	.....	-3.82	
		For >100, Deduct	.....	-7.64	
05 05 19 00-0178	EA	7/8" x 10" Long Chemically Adhered Anchor Rod	.....	67.73	
		For >10 To 50, Deduct	.....	-1.74	
		For >50 To 100, Deduct	.....	-4.30	
		For >100, Deduct	.....	-8.61	
05 05 19 00-0179	EA	1" x 11-3/4" Long Chemically Adhered Anchor Rod	.....	93.35	
		For >10 To 50, Deduct	.....	-2.26	
		For >50 To 100, Deduct	.....	-5.72	
		For >100, Deduct	.....	-11.44	
05 05 19 00-0180	EA	1-1/4" x 14" Long Chemically Adhered Anchor Rod	.....	136.55	
		For >10 To 50, Deduct	.....	-2.85	
		For >50 To 100, Deduct	.....	-7.68	
		For >100, Deduct	.....	-15.37	
05 05 19 00-0181		Chemical Adhesives For Bolts, Dowels Or Threaded Rod (05 05 19 00-0169)			
		Note: Injected or drop in cartridge. Sizes listed are for the diameter of the bolt, dowel or rod to be anchored. Includes drilling. Drill a hole 1/16" to 1/4" larger than the diameter of the thread and a depth a minimum of 4-1/2 times the diameter of the bolt. Excludes bolt, dowel or rod.			
05 05 19 00-0182	EA	1/4" Chemical Adhesive For Bolt Or Threaded Rod	.....	14.77	
		For >10 To 50, Deduct	.....	-0.71	
		For >50 To 100, Deduct	.....	-1.44	
		For >100, Deduct	.....	-2.87	
05 05 19 00-0183	EA	5/16" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	.....	16.20	
		For >10 To 50, Deduct	.....	-0.78	
		For >50 To 100, Deduct	.....	-1.57	
		For >100, Deduct	.....	-3.14	
05 05 19 00-0184	EA	3/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	.....	19.02	
		For >10 To 50, Deduct	.....	-0.91	
		For >50 To 100, Deduct	.....	-1.83	
		For >100, Deduct	.....	-3.67	
05 05 19 00-0185	EA	1/2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	.....	23.14	
		For >10 To 50, Deduct	.....	-1.09	
		For >50 To 100, Deduct	.....	-2.22	
		For >100, Deduct	.....	-4.44	
05 05 19 00-0186	EA	5/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	.....	26.51	
		For >10 To 50, Deduct	.....	-1.17	
		For >50 To 100, Deduct	.....	-2.42	
		For >100, Deduct	.....	-4.84	
05 05 19 00-0187	EA	3/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	.....	34.13	
		For >10 To 50, Deduct	.....	-1.44	
		For >50 To 100, Deduct	.....	-3.01	
		For >100, Deduct	.....	-6.01	
05 05 19 00-0188	EA	7/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	.....	38.00	
		For >10 To 50, Deduct	.....	-1.54	
		For >50 To 100, Deduct	.....	-3.26	
		For >100, Deduct	.....	-6.52	
05 05 19 00-0189	EA	1" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	.....	47.96	
		For >10 To 50, Deduct	.....	-1.86	
		For >50 To 100, Deduct	.....	-3.98	
		For >100, Deduct	.....	-7.97	
05 05 19 00-0190	EA	1-1/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	.....	53.55	
		For >10 To 50, Deduct	.....	-2.01	
		For >50 To 100, Deduct	.....	-4.36	
		For >100, Deduct	.....	-8.71	
05 05 19 00-0191	EA	1-1/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	.....	62.85	
		For >10 To 50, Deduct	.....	-2.28	
		For >50 To 100, Deduct	.....	-4.99	
		For >100, Deduct	.....	-9.97	
05 05 19 00-0192	EA	1-3/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	.....	71.32	
		For >10 To 50, Deduct	.....	-2.48	
		For >50 To 100, Deduct	.....	-5.51	
		For >100, Deduct	.....	-11.02	
05 05 19 00-0193	EA	1-1/2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	.....	82.93	
		For >10 To 50, Deduct	.....	-2.70	
		For >50 To 100, Deduct	.....	-6.13	
		For >100, Deduct	.....	-12.26	
05 05 19 00-0194	EA	1-3/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	.....	106.80	
		For >10 To 50, Deduct	.....	-3.18	
		For >50 To 100, Deduct	.....	-7.43	
		For >100, Deduct	.....	-14.87	

05 Metals**05 05 Common Work Results for Metals****05 05 19 Post-Installed Concrete Anchors**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 05 19 00-0195	EA	2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	163.27
		For >10 To 50, Deduct	-3.84
		For >50 To 100, Deduct	-9.84
		For >100, Deduct	-19.67

05 05 19 00-0196 Grout Concrete Anchor Bolt Or Threaded Rod (05 05 19 00-0169)

05 05 19 00-0197	EA	Grout Concrete Anchor Bolt or Threaded Rod	5.05
		For >10 To 50, Deduct	-0.25
		For >50 To 100, Deduct	-0.49
		For >100, Deduct	-0.99

05 05 19 00-0198 Other Concrete And Masonry Anchors (05 05 19 00-0001)**05 05 19 00-0199 Tapcon Masonry Screws (05 05 19 00-0198)**

Note: Includes drilling. Countersunk or hex head.

05 05 19 00-0200	EA	3/16" x 1-1/4" Tapcon Masonry Screw.....	13.37
		For >10 To 50, Deduct	-0.65
		For >50 To 100, Deduct	-1.30
		For >100, Deduct	-2.61
05 05 19 00-0201	EA	3/16" x 2-1/4" Tapcon Masonry Screw.....	13.49
		For >10 To 50, Deduct	-0.65
		For >50 To 100, Deduct	-1.31
		For >100, Deduct	-2.62
05 05 19 00-0202	EA	3/16" x 3-1/4" Tapcon Masonry Screw.....	13.74
		For >10 To 50, Deduct	-0.65
		For >50 To 100, Deduct	-1.31
		For >100, Deduct	-2.63
05 05 19 00-0203	EA	1/4" x 1-1/4" Tapcon Masonry Screw.....	13.51
		For >10 To 50, Deduct	-0.65
		For >50 To 100, Deduct	-1.31
		For >100, Deduct	-2.62
05 05 19 00-0204	EA	1/4" x 2-1/4" Tapcon Masonry Screw.....	13.65
		For >10 To 50, Deduct	-0.65
		For >50 To 100, Deduct	-1.31
		For >100, Deduct	-2.62
05 05 19 00-0205	EA	1/4" x 3-1/4" Tapcon Masonry Screw.....	13.94
		For >10 To 50, Deduct	-0.65
		For >50 To 100, Deduct	-1.32
		For >100, Deduct	-2.64

05 05 19 00-0206 Large Diameter, Self-Threading Concrete Fasteners (05 05 19 00-0198)

Note: Includes drilling. Zinc plated.

05 05 19 00-0207	EA	3/8" x 1-3/4", Large Diameter, Self-Threading Concrete Fastener.....	14.80
		For >10 To 50, Deduct	-0.65
		For >50 To 100, Deduct	-1.34
		For >100, Deduct	-2.68
05 05 19 00-0208	EA	3/8" x 2-1/2", Large Diameter, Self-Threading Concrete Fastener.....	15.47
		For >10 To 50, Deduct	-0.65
		For >50 To 100, Deduct	-1.36
		For >100, Deduct	-2.71
05 05 19 00-0209	EA	3/8" x 3", Large Diameter, Self-Threading Concrete Fastener.....	15.65
		For >10 To 50, Deduct	-0.65
		For >50 To 100, Deduct	-1.36
		For >100, Deduct	-2.72
05 05 19 00-0210	EA	3/8" x 4", Large Diameter, Self-Threading Concrete Fastener.....	15.98
		For >10 To 50, Deduct	-0.65
		For >50 To 100, Deduct	-1.37
		For >100, Deduct	-2.74
05 05 19 00-0211	EA	3/8" x 5", Large Diameter, Self-Threading Concrete Fastener.....	16.25
		For >10 To 50, Deduct	-0.65
		For >50 To 100, Deduct	-1.38
		For >100, Deduct	-2.75
05 05 19 00-0212	EA	1/2" x 3", Large Diameter, Self-Threading Concrete Fastener.....	16.83
		For >10 To 50, Deduct	-0.65
		For >50 To 100, Deduct	-1.39
		For >100, Deduct	-2.78
05 05 19 00-0213	EA	1/2" x 4", Large Diameter, Self-Threading Concrete Fastener.....	17.55
		For >10 To 50, Deduct	-0.65
		For >50 To 100, Deduct	-1.41
		For >100, Deduct	-2.82
05 05 19 00-0214	EA	1/2" x 5", Large Diameter, Self-Threading Concrete Fastener.....	18.21
		For >10 To 50, Deduct	-0.65
		For >50 To 100, Deduct	-1.43
		For >100, Deduct	-2.85
05 05 19 00-0215	EA	1/2" x 6", Large Diameter, Self-Threading Concrete Fastener.....	20.06
		For >10 To 50, Deduct	-0.65
		For >50 To 100, Deduct	-1.47
		For >100, Deduct	-2.94
05 05 19 00-0216	EA	5/8" x 3", Large Diameter, Self-Threading Concrete Fastener.....	20.28
		For >10 To 50, Deduct	-0.65
		For >50 To 100, Deduct	-1.48
		For >100, Deduct	-2.96
05 05 19 00-0217	EA	5/8" x 4", Large Diameter, Self-Threading Concrete Fastener.....	21.41
		For >10 To 50, Deduct	-0.65
		For >50 To 100, Deduct	-1.51
		For >100, Deduct	-3.01

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 05 19 00-0218	EA	5/8" x 5", Large Diameter, Self-Threading Concrete Fastener.....	22.57	
		For >10 To 50, Deduct	-0.65	
		For >50 To 100, Deduct	-1.53	
		For >100, Deduct	-3.07	
05 05 19 00-0219	EA	5/8" x 6", Large Diameter, Self-Threading Concrete Fastener.....	23.32	
		For >10 To 50, Deduct	-0.65	
		For >50 To 100, Deduct	-1.55	
		For >100, Deduct	-3.11	
05 05 19 00-0220	EA	3/4" x 4-1/2", Large Diameter, Self-Threading Concrete Fastener.....	22.99	
		For >10 To 50, Deduct	-0.65	
		For >50 To 100, Deduct	-1.55	
		For >100, Deduct	-3.09	
05 05 19 00-0221	EA	3/4" x 5-1/2", Large Diameter, Self-Threading Concrete Fastener.....	24.06	
		For >10 To 50, Deduct	-0.65	
		For >50 To 100, Deduct	-1.57	
		For >100, Deduct	-3.14	
05 05 19 00-0222	EA	3/4" x 6-1/4", Large Diameter, Self-Threading Concrete Fastener.....	26.57	
		For >10 To 50, Deduct	-0.65	
		For >50 To 100, Deduct	-1.63	
		For >100, Deduct	-3.27	
05 05 19 00-0223		Pin Bolt Drives (05 05 19 00-0198)		
		Note: Includes drilling. Zinc plated.		
05 05 19 00-0224	EA	1/4" x 1" Pin Bolt Drive.....	8.43	
		For >10 To 50, Deduct	-0.39	
		For >50 To 100, Deduct	-0.79	
		For >100, Deduct	-1.59	
05 05 19 00-0225	EA	1/4" x 1-1/4" Pin Bolt Drive.....	8.43	
		For >10 To 50, Deduct	-0.39	
		For >50 To 100, Deduct	-0.79	
		For >100, Deduct	-1.59	
05 05 19 00-0226	EA	1/4" x 1-1/2" Pin Bolt Drive.....	8.52	
		For >10 To 50, Deduct	-0.39	
		For >50 To 100, Deduct	-0.80	
		For >100, Deduct	-1.59	
05 05 19 00-0227	EA	1/4" x 2" Pin Bolt Drive.....	8.54	
		For >10 To 50, Deduct	-0.39	
		For >50 To 100, Deduct	-0.80	
		For >100, Deduct	-1.59	
05 05 19 00-0228		Powder Actuated, Shot-In Place Anchors (05 05 19 00-0198)		
05 05 19 00-0229	EA	0.15" Diameter x 1/2" Length, Stud Powder Actuated Anchor	2.15	
		For >10 To 50, Deduct	-0.09	
		For >50 To 100, Deduct	-0.18	
		For >100, Deduct	-0.37	
05 05 19 00-0230	EA	0.15" Diameter x 3/4" Length, Stud Powder Actuated Anchor	2.29	
		For >10 To 50, Deduct	-0.09	
		For >50 To 100, Deduct	-0.19	
		For >100, Deduct	-0.39	
05 05 19 00-0231	EA	0.15"/0.18" Diameter x 1" Length, Stud Powder Actuated Anchor	2.49	
		For >10 To 50, Deduct	-0.10	
		For >50 To 100, Deduct	-0.21	
		For >100, Deduct	-0.42	
05 05 19 00-0232	EA	0.15"/0.18" Diameter x 1-1/4" Length, Stud Powder Actuated Anchor.....	2.78	
		For >10 To 50, Deduct	-0.10	
		For >50 To 100, Deduct	-0.22	
		For >100, Deduct	-0.45	
05 05 19 00-0233	EA	0.15"/0.18" Diameter x 1-7/8" Length, Stud Powder Actuated Anchor.....	2.96	
		For >10 To 50, Deduct	-0.10	
		For >50 To 100, Deduct	-0.23	
		For >100, Deduct	-0.46	
05 05 19 00-0234		Powder Actuated, Shot-In Place Anchors With Exposed Thread (05 05 19 00-0198)		
05 05 19 00-0235	EA	0.145" Diameter x 1" Long Shank, 3/4" Thread Length, 1/4" - 20 Treaded Stud Powder Actuated Anchor.....	2.62	
		For >10 To 50, Deduct	-0.09	
		For >50 To 100, Deduct	-0.20	
		For >100, Deduct	-0.40	
05 05 19 00-0236	EA	0.205" Diameter x 1-1/6" Long Shank, 1" Thread Length, 3/8" - 16 Treaded Stud Powder Actuated Anchor.....	3.63	
		For >10 To 50, Deduct	-0.11	
		For >50 To 100, Deduct	-0.26	
		For >100, Deduct	-0.51	

05 05 21 Fastening Methods for Metal (05 05)

05 05 21 00-0001		Welding (05 05 21)		
05 05 21 00-0002		Minimum Charge For Welding (05 05 21 00-0001)		
05 05 21 00-0003	EA	Welding Minimum Charge	494.81	
		Note: For projects where the total welding charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
05 05 21 00-0004		Spot Welding (05 05 21 00-0001)		

05 Metals**05 05 Common Work Results for Metals****05 05 21 Fastening Methods for Metal**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
05 05 21 00-0005	EA Up To 15 Spot Weldings, Welds Up To 1" Length Each	12.26		
	For Aluminum Welding, Add	1.94		
	For Stainless Steel Welding, Add	3.19		
05 05 21 00-0006	EA >15 Spot Weldings, Welds Up To 1" Length Each	9.58		
	For Aluminum Welding, Add	1.54		
	For Stainless Steel Welding, Add	2.52		
05 05 21 00-0007	Field Welding (Seam And Stitch Welding) (05 05 21 00-0001)			
05 05 21 00-0008	Vertical Fillet Welds (05 05 21 00-0007)			
	Note: For existing steel and moment connections. Includes tack welds for proper alignment until the final welds are made.			
05 05 21 00-0009	LF 1/8" Vertical Fillet Weld	8.06		
	For Aluminum Welding, Add	1.73		
	For Stainless Steel Welding, Add	2.67		
	For Up To 25, Add	2.60		
	For >25 To 50, Add	1.84		
05 05 21 00-0010	LF 3/16" Vertical Fillet Weld	15.45		
	For Aluminum Welding, Add	2.96		
	For Stainless Steel Welding, Add	4.67		
	For Up To 25, Add	5.14		
	For >25 To 50, Add	3.65		
05 05 21 00-0011	LF 1/4" Vertical Fillet Weld	23.21		
	For Aluminum Welding, Add	4.47		
	For Stainless Steel Welding, Add	7.03		
	For Up To 25, Add	7.71		
	For >25 To 50, Add	5.47		
05 05 21 00-0012	LF 5/16" Vertical Fillet Weld	30.62		
	For Aluminum Welding, Add	5.91		
	For Stainless Steel Welding, Add	9.31		
	For Up To 25, Add	10.17		
	For >25 To 50, Add	7.22		
05 05 21 00-0013	LF 3/8" Vertical Fillet Weld	38.66		
	For Aluminum Welding, Add	7.43		
	For Stainless Steel Welding, Add	11.70		
	For Up To 25, Add	12.85		
	For >25 To 50, Add	9.12		
05 05 21 00-0014	LF 7/16" Vertical Fillet Weld	44.73		
	For Aluminum Welding, Add	8.00		
	For Stainless Steel Welding, Add	12.80		
	For Up To 25, Add	15.12		
	For >25 To 50, Add	10.75		
05 05 21 00-0015	LF 1/2" Vertical Fillet Weld	52.88		
	For Aluminum Welding, Add	10.20		
	For Stainless Steel Welding, Add	16.06		
	For Up To 25, Add	17.56		
	For >25 To 50, Add	12.46		
05 05 21 00-0016	LF 9/16" Vertical Fillet Weld	61.58		
	For Aluminum Welding, Add	11.27		
	For Stainless Steel Welding, Add	17.94		
	For Up To 25, Add	20.71		
	For >25 To 50, Add	14.72		
05 05 21 00-0017	LF 5/8" Vertical Fillet Weld	71.42		
	For Aluminum Welding, Add	13.12		
	For Stainless Steel Welding, Add	20.86		
	For Up To 25, Add	23.99		
	For >25 To 50, Add	17.05		
05 05 21 00-0018	LF 3/4" Vertical Fillet Weld	96.77		
	For Aluminum Welding, Add	18.65		
	For Stainless Steel Welding, Add	29.36		
	For Up To 25, Add	32.15		
	For >25 To 50, Add	22.81		
05 05 21 00-0019	LF 7/8" Vertical Fillet Weld	142.50		
	For Aluminum Welding, Add	25.98		
	For Stainless Steel Welding, Add	41.39		
	For Up To 25, Add	47.96		
	For >25 To 50, Add	34.09		
05 05 21 00-0020	LF 1" Vertical Fillet Weld	192.65		
	For Aluminum Welding, Add	36.63		
	For Stainless Steel Welding, Add	57.82		
	For Up To 25, Add	64.21		
	For >25 To 50, Add	45.59		
05 05 21 00-0021	Horizontal Or Flat Fillet Welds (05 05 21 00-0007)			
	Note: For existing steel and moment connections. Includes tack welds for proper alignment until the final welds are made.			
05 05 21 00-0022	LF 1/8" Horizontal Or Flat Fillet Weld	6.82		
	For Aluminum Welding, Add	1.55		
	For Stainless Steel Welding, Add	2.36		
	For Up To 25, Add	2.17		
	For >25 To 50, Add	1.53		
05 05 21 00-0023	LF 3/16" Horizontal Or Flat Fillet Weld	13.15		
	For Aluminum Welding, Add	2.65		
	For Stainless Steel Welding, Add	4.14		
	For Up To 25, Add	4.32		
	For >25 To 50, Add	3.06		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 21 00-0024	LF	1/4" Horizontal Or Flat Fillet Weld.....	19.67	
		For Aluminum Welding, Add	3.96	
		For Stainless Steel Welding, Add	6.19	
		For Up To 25, Add	6.46	
		For >25 To 50, Add	4.58	
05 05 21 00-0025	LF	5/16" Horizontal Or Flat Fillet Weld.....	26.02	
		For Aluminum Welding, Add	5.30	
		For Stainless Steel Welding, Add	8.25	
		For Up To 25, Add	8.53	
		For >25 To 50, Add	6.04	
05 05 21 00-0026	LF	3/8" Horizontal Or Flat Fillet Weld.....	32.82	
		For Aluminum Welding, Add	6.62	
		For Stainless Steel Welding, Add	10.32	
		For Up To 25, Add	10.78	
		For >25 To 50, Add	7.64	
05 05 21 00-0027	LF	7/16" Horizontal Or Flat Fillet Weld.....	37.77	
		For Aluminum Welding, Add	7.02	
		For Stainless Steel Welding, Add	11.14	
		For Up To 25, Add	12.65	
		For >25 To 50, Add	8.99	
05 05 21 00-0028	LF	1/2" Horizontal Or Flat Fillet Weld.....	44.85	
		For Aluminum Welding, Add	9.10	
		For Stainless Steel Welding, Add	14.18	
		For Up To 25, Add	14.71	
		For >25 To 50, Add	10.42	
05 05 21 00-0029	LF	9/16" Horizontal Or Flat Fillet Weld.....	52.14	
		For Aluminum Welding, Add	9.99	
		For Stainless Steel Welding, Add	15.74	
		For Up To 25, Add	17.35	
		For >25 To 50, Add	12.31	
05 05 21 00-0030	LF	5/8" Horizontal Or Flat Fillet Weld.....	60.86	
		For Aluminum Welding, Add	11.94	
		For Stainless Steel Welding, Add	18.73	
		For Up To 25, Add	20.13	
		For >25 To 50, Add	14.28	
05 05 21 00-0031	LF	3/4" Horizontal Or Flat Fillet Weld.....	82.17	
		For Aluminum Welding, Add	16.66	
		For Stainless Steel Welding, Add	25.97	
		For Up To 25, Add	26.95	
		For >25 To 50, Add	19.10	
05 05 21 00-0032	LF	7/8" Horizontal Or Flat Fillet Weld.....	119.52	
		For Aluminum Welding, Add	22.23	
		For Stainless Steel Welding, Add	35.26	
		For Up To 25, Add	40.04	
		For >25 To 50, Add	28.45	
05 05 21 00-0033	LF	1" Horizontal Or Flat Fillet Weld.....	162.93	
		For Aluminum Welding, Add	32.54	
		For Stainless Steel Welding, Add	50.86	
		For Up To 25, Add	53.65	
		For >25 To 50, Add	38.03	

05 05 23 Metal Fastenings (05 05)

05 05 23 00-0001	Hex Bolts (05 05 23)			
Note: For owner furnished materials or where requested by the owner. Excludes drilling through wood, steel, concrete, brick or block. See CSI section 02 41 19 13-0221 for drilling into concrete, 02 41 19 13-0236 for drilling into brick or block, 02 41 19 13-0251 for drilling into wood or plastic, 05 05 23 00-1567 for drilling through steel.				
05 05 23 00-0002	A307B Heavy Hex Bolts (05 05 23 00-0001)			
Note: Includes A307B heavy hex nut and two structural washers.				
05 05 23 00-0003	Plain Finish A307B Heavy Hex Bolts (05 05 23 00-0002)			
05 05 23 00-0004	EA 1/2" Diameter x 1-1/2" Long, Plain Finish A307B Heavy Hex Bolt.....	14.33	1.37	
	For >10 To 50, Deduct	-0.57		
	For >50 To 100, Deduct	-1.22		
	For >100, Deduct	-2.43		
05 05 23 00-0005	EA 1/2" Diameter x 3" Long, Plain Finish A307B Heavy Hex Bolt.....	15.99	1.37	
	For >10 To 50, Deduct	-0.57		
	For >50 To 100, Deduct	-1.26		
	For >100, Deduct	-2.52		
05 05 23 00-0006	EA 5/8" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt.....	16.03	1.37	
	For >10 To 50, Deduct	-0.57		
	For >50 To 100, Deduct	-1.26		
	For >100, Deduct	-2.52		
05 05 23 00-0007	EA 5/8" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt.....	19.19	1.57	
	For >10 To 50, Deduct	-0.65		
	For >50 To 100, Deduct	-1.46		
	For >100, Deduct	-2.92		
05 05 23 00-0008	EA 3/4" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt.....	18.82	1.37	
	For >10 To 50, Deduct	-0.57		
	For >50 To 100, Deduct	-1.33		
	For >100, Deduct	-2.66		
05 05 23 00-0009	EA 3/4" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt.....	22.66	1.57	
	For >10 To 50, Deduct	-0.65		
	For >50 To 100, Deduct	-1.55		
	For >100, Deduct	-3.09		
05 05 23 00-0010	EA 3/4" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt.....	29.09	1.64	
	For >10 To 50, Deduct	-0.68		
	For >50 To 100, Deduct	-1.75		
	For >100, Deduct	-3.50		

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
05 05 23 00-0011	EA 3/4" Diameter x 8" Long, Plain Finish A307B Heavy Hex Bolt	31.30		1.72
	For >10 To 50, Deduct	-0.72		
	For >50 To 100, Deduct	-1.86		
	For >100, Deduct	-3.72		
05 05 23 00-0012	EA 7/8" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt	22.75		1.49
	For >10 To 50, Deduct	-0.62		
	For >50 To 100, Deduct	-1.50		
	For >100, Deduct	-3.00		
05 05 23 00-0013	EA 7/8" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	27.64		1.64
	For >10 To 50, Deduct	-0.68		
	For >50 To 100, Deduct	-1.71		
	For >100, Deduct	-3.43		
05 05 23 00-0014	EA 1" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	32.79		1.72
	For >10 To 50, Deduct	-0.72		
	For >50 To 100, Deduct	-1.90		
	For >100, Deduct	-3.80		
05 05 23 00-0015	EA 1" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt	47.65		1.81
	For >10 To 50, Deduct	-0.76		
	For >50 To 100, Deduct	-2.32		
	For >100, Deduct	-4.65		
05 05 23 00-0016	EA 1-1/4" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	55.88		2.05
	For >10 To 50, Deduct	-0.85		
	For >50 To 100, Deduct	-2.68		
	For >100, Deduct	-5.35		
05 05 23 00-0017	EA 1-1/4" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt	63.04		2.19
	For >10 To 50, Deduct	-0.91		
	For >50 To 100, Deduct	-2.95		
	For >100, Deduct	-5.89		
05 05 23 00-0018 Galvanized A307B Heavy Hex Bolts (05 05 23 00-0002)				
05 05 23 00-0019	EA 1/2" Diameter x 1-1/2" Long, Galvanized A307B Heavy Hex Bolt	15.14		1.37
	For >10 To 50, Deduct	-0.57		
	For >50 To 100, Deduct	-1.24		
	For >100, Deduct	-2.47		
05 05 23 00-0020	EA 1/2" Diameter x 3" Long, Galvanized A307B Heavy Hex Bolt	16.53		1.37
	For >10 To 50, Deduct	-0.57		
	For >50 To 100, Deduct	-1.27		
	For >100, Deduct	-2.54		
05 05 23 00-0021	EA 5/8" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt	18.04		1.37
	For >10 To 50, Deduct	-0.57		
	For >50 To 100, Deduct	-1.31		
	For >100, Deduct	-2.62		
05 05 23 00-0022	EA 5/8" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt	21.20		1.57
	For >10 To 50, Deduct	-0.65		
	For >50 To 100, Deduct	-1.51		
	For >100, Deduct	-3.02		
05 05 23 00-0023	EA 3/4" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt	21.11		1.37
	For >10 To 50, Deduct	-0.57		
	For >50 To 100, Deduct	-1.39		
	For >100, Deduct	-2.77		
05 05 23 00-0024	EA 3/4" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt	26.88		1.57
	For >10 To 50, Deduct	-0.65		
	For >50 To 100, Deduct	-1.65		
	For >100, Deduct	-3.30		
05 05 23 00-0025	EA 3/4" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt	36.37		1.64
	For >10 To 50, Deduct	-0.68		
	For >50 To 100, Deduct	-1.93		
	For >100, Deduct	-3.87		
05 05 23 00-0026	EA 3/4" Diameter x 8" Long, Galvanized A307B Heavy Hex Bolt	43.08		1.72
	For >10 To 50, Deduct	-0.72		
	For >50 To 100, Deduct	-2.15		
	For >100, Deduct	-4.31		
05 05 23 00-0027	EA 7/8" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt	28.73		1.49
	For >10 To 50, Deduct	-0.62		
	For >50 To 100, Deduct	-1.65		
	For >100, Deduct	-3.30		
05 05 23 00-0028	EA 7/8" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt	34.38		1.64
	For >10 To 50, Deduct	-0.68		
	For >50 To 100, Deduct	-1.88		
	For >100, Deduct	-3.77		
05 05 23 00-0029	EA 1" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt	41.48		1.72
	For >10 To 50, Deduct	-0.72		
	For >50 To 100, Deduct	-2.11		
	For >100, Deduct	-4.23		
05 05 23 00-0030	EA 1" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt	63.42		1.81
	For >10 To 50, Deduct	-0.76		
	For >50 To 100, Deduct	-2.72		
	For >100, Deduct	-5.44		
05 05 23 00-0031	EA 1-1/4" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt	62.94		2.05
	For >10 To 50, Deduct	-0.85		
	For >50 To 100, Deduct	-2.85		
	For >100, Deduct	-5.70		
05 05 23 00-0032	EA 1-1/4" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt	79.37		2.19
	For >10 To 50, Deduct	-0.91		
	For >50 To 100, Deduct	-3.35		
	For >100, Deduct	-6.71		

05 05 23 00-0033 A325 High Strength Structural Bolts (05 05 23 00-0001)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 05 23 00-0034 Plain Finish A325 High Strength Structural Bolts (05 05 23 00-0033)

Note: Includes A325 heavy hex nut and structural washer.

05 05 23 00-0035	EA	1/2" Diameter x 1-1/2" Long, Plain Finish A325 High Strength Structural Bolt.....	13.94	1.37
		For >10 To 50, Deduct	-0.57	
		For >50 To 100, Deduct	-1.21	
		For >100, Deduct	-2.41	
05 05 23 00-0036	EA	1/2" Diameter x 3" Long, Plain Finish A325 High Strength Structural Bolt.....	14.31	1.37
		For >10 To 50, Deduct	-0.57	
		For >50 To 100, Deduct	-1.22	
		For >100, Deduct	-2.43	
05 05 23 00-0037	EA	5/8" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt.....	15.48	1.37
		For >10 To 50, Deduct	-0.57	
		For >50 To 100, Deduct	-1.25	
		For >100, Deduct	-2.49	
05 05 23 00-0038	EA	5/8" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	19.22	1.57
		For >10 To 50, Deduct	-0.65	
		For >50 To 100, Deduct	-1.46	
		For >100, Deduct	-2.92	
05 05 23 00-0039	EA	5/8" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	22.59	1.64
		For >10 To 50, Deduct	-0.68	
		For >50 To 100, Deduct	-1.59	
		For >100, Deduct	-3.18	
05 05 23 00-0040	EA	3/4" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt.....	17.11	1.37
		For >10 To 50, Deduct	-0.57	
		For >50 To 100, Deduct	-1.29	
		For >100, Deduct	-2.57	
05 05 23 00-0041	EA	3/4" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	20.96	1.57
		For >10 To 50, Deduct	-0.65	
		For >50 To 100, Deduct	-1.50	
		For >100, Deduct	-3.01	
05 05 23 00-0042	EA	3/4" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	24.13	1.64
		For >10 To 50, Deduct	-0.68	
		For >50 To 100, Deduct	-1.63	
		For >100, Deduct	-3.26	
05 05 23 00-0043	EA	3/4" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt.....	30.26	1.72
		For >10 To 50, Deduct	-0.72	
		For >50 To 100, Deduct	-1.83	
		For >100, Deduct	-3.67	
05 05 23 00-0044	EA	7/8" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt.....	20.07	1.49
		For >10 To 50, Deduct	-0.62	
		For >50 To 100, Deduct	-1.43	
		For >100, Deduct	-2.87	
05 05 23 00-0045	EA	7/8" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	24.78	1.64
		For >10 To 50, Deduct	-0.68	
		For >50 To 100, Deduct	-1.64	
		For >100, Deduct	-3.29	
05 05 23 00-0046	EA	7/8" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	28.57	1.72
		For >10 To 50, Deduct	-0.72	
		For >50 To 100, Deduct	-1.79	
		For >100, Deduct	-3.58	
05 05 23 00-0047	EA	7/8" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt.....	31.07	1.81
		For >10 To 50, Deduct	-0.76	
		For >50 To 100, Deduct	-1.91	
		For >100, Deduct	-3.82	
05 05 23 00-0048	EA	1" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt.....	22.37	1.55
		For >10 To 50, Deduct	-0.65	
		For >50 To 100, Deduct	-1.53	
		For >100, Deduct	-3.06	
05 05 23 00-0049	EA	1" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	27.18	1.72
		For >10 To 50, Deduct	-0.72	
		For >50 To 100, Deduct	-1.76	
		For >100, Deduct	-3.51	
05 05 23 00-0050	EA	1" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	31.85	1.81
		For >10 To 50, Deduct	-0.76	
		For >50 To 100, Deduct	-1.93	
		For >100, Deduct	-3.86	
05 05 23 00-0051	EA	1" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt.....	41.56	1.92
		For >10 To 50, Deduct	-0.80	
		For >50 To 100, Deduct	-2.25	
		For >100, Deduct	-4.49	
05 05 23 00-0052	EA	1-1/4" Diameter x 3" Long, Plain Finish A325 High Strength Structural Bolt.....	39.51	1.92
		For >10 To 50, Deduct	-0.80	
		For >50 To 100, Deduct	-2.19	
		For >100, Deduct	-4.39	
05 05 23 00-0053	EA	1-1/4" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	45.04	2.05
		For >10 To 50, Deduct	-0.85	
		For >50 To 100, Deduct	-2.40	
		For >100, Deduct	-4.81	
05 05 23 00-0054	EA	1-1/4" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	53.29	2.19
		For >10 To 50, Deduct	-0.91	
		For >50 To 100, Deduct	-2.70	
		For >100, Deduct	-5.41	
05 05 23 00-0055	EA	1-1/4" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt.....	63.02	2.34
		For >10 To 50, Deduct	-0.97	
		For >50 To 100, Deduct	-3.04	
		For >100, Deduct	-6.07	

05 05 23 00-0056 Galvanized A325 High Strength Structural Bolts (05 05 23 00-0033)

Note: Includes A325 heavy hex nut and structural washer.

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
05 05 23 00-0057	EA 1/2" Diameter x 1-1/2" Long, Galvanized A325 High Strength Structural Bolt For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	14.68		1.37	
		-0.57			
		-1.23			
		-2.45			
05 05 23 00-0058	EA 1/2" Diameter x 3" Long, Galvanized A325 High Strength Structural Bolt..... For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	14.94		1.37	
		-0.57			
		-1.23			
		-2.46			
05 05 23 00-0059	EA 5/8" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt..... For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	17.03		1.37	
		-0.57			
		-1.28			
		-2.57			
05 05 23 00-0060	EA 5/8" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt..... For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	20.32		1.57	
		-0.65			
		-1.49			
		-2.98			
05 05 23 00-0061	EA 5/8" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt..... For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	21.54		1.64	
		-0.68			
		-1.56			
		-3.13			
05 05 23 00-0062	EA 3/4" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt..... For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	17.83		1.37	
		-0.57			
		-1.30			
		-2.61			
05 05 23 00-0063	EA 3/4" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt..... For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	21.86		1.57	
		-0.65			
		-1.53			
		-3.05			
05 05 23 00-0064	EA 3/4" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt..... For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	25.53		1.64	
		-0.68			
		-1.66			
		-3.33			
05 05 23 00-0065	EA 3/4" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt..... For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	33.57		1.72	
		-0.72			
		-1.92			
		-3.83			
05 05 23 00-0066	EA 7/8" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt..... For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	24.34		1.49	
		-0.62			
		-1.54			
		-3.08			
05 05 23 00-0067	EA 7/8" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt..... For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	27.31		1.64	
		-0.68			
		-1.71			
		-3.41			
05 05 23 00-0068	EA 7/8" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt..... For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	31.63		1.72	
		-0.72			
		-1.87			
		-3.74			
05 05 23 00-0069	EA 7/8" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt..... For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	40.25		1.81	
		-0.76			
		-2.14			
		-4.28			
05 05 23 00-0070	EA 1" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt..... For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	25.69		1.55	
		-0.65			
		-1.61			
		-3.22			
05 05 23 00-0071	EA 1" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt..... For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	34.79		1.72	
		-0.72			
		-1.95			
		-3.90			
05 05 23 00-0072	EA 1" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt..... For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	38.22		1.81	
		-0.76			
		-2.09			
		-4.18			
05 05 23 00-0073	EA 1" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt..... For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	49.42		1.92	
		-0.80			
		-2.44			
		-4.88			
05 05 23 00-0074	EA 1-1/4" Diameter x 3" Long, Galvanized A325 High Strength Structural Bolt For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	49.10		1.92	
		-0.80			
		-2.43			
		-4.87			
05 05 23 00-0075	EA 1-1/4" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	52.37		2.05	
		-0.85			
		-2.59			
		-5.18			
05 05 23 00-0076	EA 1-1/4" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	61.68		2.19	
		-0.91			
		-2.91			
		-5.82			
05 05 23 00-0077	EA 1-1/4" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	71.78		2.34	
		-0.97			
		-3.26			
		-6.51			

05 05 23 00-0078 A490 High Strength Structural Bolts (05 05 23 00-0001)

Note: Includes A490 heavy hex nut and two structural washers.

05 05 23 00-0079 Plain Finish A490 High Strength Structural Bolts (05 05 23 00-0078)

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0080	EA	5/8" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt.....	16.06	1.37
		For >10 To 50, Deduct	-0.57	
		For >50 To 100, Deduct	-1.26	
		For >100, Deduct	-2.52	
05 05 23 00-0081	EA	5/8" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt.....	23.21	1.57
		For >10 To 50, Deduct	-0.65	
		For >50 To 100, Deduct	-1.56	
		For >100, Deduct	-3.12	
05 05 23 00-0082	EA	5/8" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt.....	24.88	1.64
		For >10 To 50, Deduct	-0.68	
		For >50 To 100, Deduct	-1.65	
		For >100, Deduct	-3.29	
05 05 23 00-0083	EA	3/4" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt.....	18.32	1.37
		For >10 To 50, Deduct	-0.57	
		For >50 To 100, Deduct	-1.32	
		For >100, Deduct	-2.63	
05 05 23 00-0084	EA	3/4" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt.....	22.34	1.57
		For >10 To 50, Deduct	-0.65	
		For >50 To 100, Deduct	-1.54	
		For >100, Deduct	-3.08	
05 05 23 00-0085	EA	3/4" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt.....	26.35	1.64
		For >10 To 50, Deduct	-0.68	
		For >50 To 100, Deduct	-1.68	
		For >100, Deduct	-3.37	
05 05 23 00-0086	EA	3/4" Diameter x 8" Long, Plain Finish A490 High Strength Structural Bolt.....	34.57	1.72
		For >10 To 50, Deduct	-0.72	
		For >50 To 100, Deduct	-1.94	
		For >100, Deduct	-3.88	
05 05 23 00-0087	EA	7/8" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt.....	21.46	1.49
		For >10 To 50, Deduct	-0.62	
		For >50 To 100, Deduct	-1.47	
		For >100, Deduct	-2.94	
05 05 23 00-0088	EA	7/8" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt.....	25.23	1.64
		For >10 To 50, Deduct	-0.68	
		For >50 To 100, Deduct	-1.65	
		For >100, Deduct	-3.31	
05 05 23 00-0089	EA	7/8" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt.....	37.56	1.72
		For >10 To 50, Deduct	-0.72	
		For >50 To 100, Deduct	-2.02	
		For >100, Deduct	-4.03	
05 05 23 00-0090	EA	1" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt.....	25.62	1.55
		For >10 To 50, Deduct	-0.65	
		For >50 To 100, Deduct	-1.61	
		For >100, Deduct	-3.22	
05 05 23 00-0091	EA	1" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt.....	30.83	1.72
		For >10 To 50, Deduct	-0.72	
		For >50 To 100, Deduct	-1.85	
		For >100, Deduct	-3.70	
05 05 23 00-0092	EA	1" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt.....	35.77	1.81
		For >10 To 50, Deduct	-0.76	
		For >50 To 100, Deduct	-2.03	
		For >100, Deduct	-4.05	
05 05 23 00-0093	EA	1-1/4" Diameter x 3" Long, Plain Finish A490 High Strength Structural Bolt.....	45.31	1.92
		For >10 To 50, Deduct	-0.80	
		For >50 To 100, Deduct	-2.34	
		For >100, Deduct	-4.68	
05 05 23 00-0094	EA	1-1/4" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt.....	58.89	2.05
		For >10 To 50, Deduct	-0.85	
		For >50 To 100, Deduct	-2.75	
		For >100, Deduct	-5.50	
05 05 23 00-0095	EA	1-1/4" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt.....	61.91	2.19
		For >10 To 50, Deduct	-0.91	
		For >50 To 100, Deduct	-2.92	
		For >100, Deduct	-5.84	
05 05 23 00-0096	EA	1-1/4" Diameter x 8" Long, Plain Finish A490 High Strength Structural Bolt.....	64.50	2.34
		For >10 To 50, Deduct	-0.97	
		For >50 To 100, Deduct	-3.07	
		For >100, Deduct	-6.15	
05 05 23 00-0097		Hex Head Bolts (05 05 23 00-0001)		
05 05 23 00-0098		Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0097)		
05 05 23 00-0099		1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0098)		
05 05 23 00-0100	EA	1/4" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.22	
		For >100 To 250, Deduct	-1.62	
		For >250 To 500, Deduct	-2.02	
		For >500, Deduct	-2.43	
05 05 23 00-0101	EA	1/4" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.25	
		For >100 To 250, Deduct	-1.62	
		For >250 To 500, Deduct	-2.02	
		For >500, Deduct	-2.43	
05 05 23 00-0102	EA	1/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.34	
		For >100 To 250, Deduct	-1.62	
		For >250 To 500, Deduct	-2.02	
		For >500, Deduct	-2.43	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 05 23 00-0103	EA 1/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.39	
	For >100 To 250, Deduct	-1.62	
	For >250 To 500, Deduct	-2.02	
	For >500, Deduct	-2.43	
05 05 23 00-0104	EA 1/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.68	
	For >100 To 250, Deduct	-1.66	
	For >250 To 500, Deduct	-2.08	
	For >500, Deduct	-2.50	
05 05 23 00-0105	EA 1/4" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.72	
	For >100 To 250, Deduct	-1.66	
	For >250 To 500, Deduct	-2.08	
	For >500, Deduct	-2.50	
05 05 23 00-0106	EA 1/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.86	
	For >100 To 250, Deduct	-1.66	
	For >250 To 500, Deduct	-2.08	
	For >500, Deduct	-2.50	
05 05 23 00-0107	EA 1/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.10	
	For >100 To 250, Deduct	-1.71	
	For >250 To 500, Deduct	-2.14	
	For >500, Deduct	-2.57	
05 05 23 00-0108	EA 1/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.15	
	For >100 To 250, Deduct	-1.71	
	For >250 To 500, Deduct	-2.14	
	For >500, Deduct	-2.57	
05 05 23 00-0109	EA 1/4" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.37	
	For >100 To 250, Deduct	-1.71	
	For >250 To 500, Deduct	-2.14	
	For >500, Deduct	-2.57	
05 05 23 00-0110	EA 1/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.76	
	For >100 To 250, Deduct	-1.76	
	For >250 To 500, Deduct	-2.20	
	For >500, Deduct	-2.63	
05 05 23 00-0111	EA 1/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.92	
	For >100 To 250, Deduct	-1.76	
	For >250 To 500, Deduct	-2.20	
	For >500, Deduct	-2.63	
05 05 23 00-0112	EA 1/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.15	
	For >100 To 250, Deduct	-1.76	
	For >250 To 500, Deduct	-2.20	
	For >500, Deduct	-2.63	
05 05 23 00-0113	EA 1/4" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.87	
	For >100 To 250, Deduct	-1.80	
	For >250 To 500, Deduct	-2.25	
	For >500, Deduct	-2.70	
05 05 23 00-0114	EA 1/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.22	
	For >100 To 250, Deduct	-1.80	
	For >250 To 500, Deduct	-2.25	
	For >500, Deduct	-2.70	
05 05 23 00-0115	EA 1/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.31	
	For >100 To 250, Deduct	-1.80	
	For >250 To 500, Deduct	-2.25	
	For >500, Deduct	-2.70	

05 05 23 00-0116 5/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts

(05 05 23 00-0098)

05 05 23 00-0117	EA 5/16" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.30	
	For >100 To 250, Deduct	-1.62	
	For >250 To 500, Deduct	-2.02	
	For >500, Deduct	-2.43	
05 05 23 00-0118	EA 5/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.33	
	For >100 To 250, Deduct	-1.62	
	For >250 To 500, Deduct	-2.02	
	For >500, Deduct	-2.43	
05 05 23 00-0119	EA 5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.41	
	For >100 To 250, Deduct	-1.62	
	For >250 To 500, Deduct	-2.02	
	For >500, Deduct	-2.43	
05 05 23 00-0120	EA 5/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.47	
	For >100 To 250, Deduct	-1.62	
	For >250 To 500, Deduct	-2.02	
	For >500, Deduct	-2.43	
05 05 23 00-0121	EA 5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.78	
	For >100 To 250, Deduct	-1.66	
	For >250 To 500, Deduct	-2.08	
	For >500, Deduct	-2.50	
05 05 23 00-0122	EA 5/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.93	
	For >100 To 250, Deduct	-1.66	
	For >250 To 500, Deduct	-2.08	
	For >500, Deduct	-2.50	
05 05 23 00-0123	EA 5/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.98	
	For >100 To 250, Deduct	-1.66	
	For >250 To 500, Deduct	-2.08	
	For >500, Deduct	-2.50	
05 05 23 00-0124	EA 5/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.36	
	For >100 To 250, Deduct	-1.71	
	For >250 To 500, Deduct	-2.14	
	For >500, Deduct	-2.57	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0125	EA	5/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.57	
		For >100 To 250, Deduct	-1.71	
		For >250 To 500, Deduct	-2.14	
		For >500, Deduct	-2.57	
05 05 23 00-0126	EA	5/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.65	
		For >100 To 250, Deduct	-1.71	
		For >250 To 500, Deduct	-2.14	
		For >500, Deduct	-2.57	
05 05 23 00-0127	EA	5/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.95	
		For >100 To 250, Deduct	-1.76	
		For >250 To 500, Deduct	-2.20	
		For >500, Deduct	-2.63	
05 05 23 00-0128	EA	5/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.03	
		For >100 To 250, Deduct	-1.76	
		For >250 To 500, Deduct	-2.20	
		For >500, Deduct	-2.63	
05 05 23 00-0129	EA	5/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.83	
		For >100 To 250, Deduct	-1.76	
		For >250 To 500, Deduct	-2.20	
		For >500, Deduct	-2.63	
05 05 23 00-0130	EA	5/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.45	
		For >100 To 250, Deduct	-1.80	
		For >250 To 500, Deduct	-2.25	
		For >500, Deduct	-2.70	
05 05 23 00-0131	EA	5/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.80	
		For >100 To 250, Deduct	-1.80	
		For >250 To 500, Deduct	-2.25	
		For >500, Deduct	-2.70	
05 05 23 00-0132	EA	5/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.12	
		For >100 To 250, Deduct	-1.80	
		For >250 To 500, Deduct	-2.25	
		For >500, Deduct	-2.70	
05 05 23 00-0133		3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05		
		23 00-0098)		
05 05 23 00-0134	EA	3/8" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.40	
		For >100 To 250, Deduct	-1.62	
		For >250 To 500, Deduct	-2.02	
		For >500, Deduct	-2.43	
05 05 23 00-0135	EA	3/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.43	
		For >100 To 250, Deduct	-1.62	
		For >250 To 500, Deduct	-2.02	
		For >500, Deduct	-2.43	
05 05 23 00-0136	EA	3/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.54	
		For >100 To 250, Deduct	-1.62	
		For >250 To 500, Deduct	-2.02	
		For >500, Deduct	-2.43	
05 05 23 00-0137	EA	3/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.64	
		For >100 To 250, Deduct	-1.62	
		For >250 To 500, Deduct	-2.02	
		For >500, Deduct	-2.43	
05 05 23 00-0138	EA	3/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.96	
		For >100 To 250, Deduct	-1.66	
		For >250 To 500, Deduct	-2.08	
		For >500, Deduct	-2.50	
05 05 23 00-0139	EA	3/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.15	
		For >100 To 250, Deduct	-1.66	
		For >250 To 500, Deduct	-2.08	
		For >500, Deduct	-2.50	
05 05 23 00-0140	EA	3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.33	
		For >100 To 250, Deduct	-1.66	
		For >250 To 500, Deduct	-2.08	
		For >500, Deduct	-2.50	
05 05 23 00-0141	EA	3/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.75	
		For >100 To 250, Deduct	-1.71	
		For >250 To 500, Deduct	-2.14	
		For >500, Deduct	-2.57	
05 05 23 00-0142	EA	3/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.99	
		For >100 To 250, Deduct	-1.71	
		For >250 To 500, Deduct	-2.14	
		For >500, Deduct	-2.57	
05 05 23 00-0143	EA	3/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.12	
		For >100 To 250, Deduct	-1.71	
		For >250 To 500, Deduct	-2.14	
		For >500, Deduct	-2.57	
05 05 23 00-0144	EA	3/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.60	
		For >100 To 250, Deduct	-1.76	
		For >250 To 500, Deduct	-2.20	
		For >500, Deduct	-2.63	
05 05 23 00-0145	EA	3/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.73	
		For >100 To 250, Deduct	-1.76	
		For >250 To 500, Deduct	-2.20	
		For >500, Deduct	-2.63	
05 05 23 00-0146	EA	3/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.83	
		For >100 To 250, Deduct	-1.76	
		For >250 To 500, Deduct	-2.20	
		For >500, Deduct	-2.63	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
05 05 23 00-0147	EA 3/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.12		
	For >100 To 250, Deduct	-1.80		
	For >250 To 500, Deduct	-2.25		
	For >500, Deduct	-2.70		
05 05 23 00-0148	EA 3/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.27		
	For >100 To 250, Deduct	-1.80		
	For >250 To 500, Deduct	-2.25		
	For >500, Deduct	-2.70		
05 05 23 00-0149	EA 3/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.48		
	For >100 To 250, Deduct	-1.80		
	For >250 To 500, Deduct	-2.25		
	For >500, Deduct	-2.70		
05 05 23 00-0150 7/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05				
	23 00-0098)			
05 05 23 00-0151	EA 7/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.00		
	For >100 To 250, Deduct	-1.85		
	For >250 To 500, Deduct	-2.31		
	For >500, Deduct	-2.77		
05 05 23 00-0152	EA 7/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.15		
	For >100 To 250, Deduct	-1.85		
	For >250 To 500, Deduct	-2.31		
	For >500, Deduct	-2.77		
05 05 23 00-0153	EA 7/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.17		
	For >100 To 250, Deduct	-1.85		
	For >250 To 500, Deduct	-2.31		
	For >500, Deduct	-2.77		
05 05 23 00-0154	EA 7/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.60		
	For >100 To 250, Deduct	-1.89		
	For >250 To 500, Deduct	-2.37		
	For >500, Deduct	-2.84		
05 05 23 00-0155	EA 7/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.83		
	For >100 To 250, Deduct	-1.89		
	For >250 To 500, Deduct	-2.37		
	For >500, Deduct	-2.84		
05 05 23 00-0156	EA 7/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.01		
	For >100 To 250, Deduct	-1.89		
	For >250 To 500, Deduct	-2.37		
	For >500, Deduct	-2.84		
05 05 23 00-0157	EA 7/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.73		
	For >100 To 250, Deduct	-1.94		
	For >250 To 500, Deduct	-2.43		
	For >500, Deduct	-2.91		
05 05 23 00-0158	EA 7/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.87		
	For >100 To 250, Deduct	-1.94		
	For >250 To 500, Deduct	-2.43		
	For >500, Deduct	-2.91		
05 05 23 00-0159	EA 7/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.14		
	For >100 To 250, Deduct	-1.94		
	For >250 To 500, Deduct	-2.43		
	For >500, Deduct	-2.91		
05 05 23 00-0160	EA 7/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.82		
	For >100 To 250, Deduct	-1.99		
	For >250 To 500, Deduct	-2.49		
	For >500, Deduct	-2.98		
05 05 23 00-0161	EA 7/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.96		
	For >100 To 250, Deduct	-1.99		
	For >250 To 500, Deduct	-2.49		
	For >500, Deduct	-2.98		
05 05 23 00-0162	EA 7/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.30		
	For >100 To 250, Deduct	-1.99		
	For >250 To 500, Deduct	-2.49		
	For >500, Deduct	-2.98		
05 05 23 00-0163	EA 7/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.68		
	For >100 To 250, Deduct	-2.03		
	For >250 To 500, Deduct	-2.54		
	For >500, Deduct	-3.05		
05 05 23 00-0164	EA 7/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.99		
	For >100 To 250, Deduct	-2.03		
	For >250 To 500, Deduct	-2.54		
	For >500, Deduct	-3.05		
05 05 23 00-0165	EA 7/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.60		
	For >100 To 250, Deduct	-2.03		
	For >250 To 500, Deduct	-2.54		
	For >500, Deduct	-3.05		
05 05 23 00-0166 1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05				
	23 00-0098)			
05 05 23 00-0167	EA 1/2" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.87		
	For >100 To 250, Deduct	-1.85		
	For >250 To 500, Deduct	-2.31		
	For >500, Deduct	-2.77		
05 05 23 00-0168	EA 1/2" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.05		
	For >100 To 250, Deduct	-1.85		
	For >250 To 500, Deduct	-2.31		
	For >500, Deduct	-2.77		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0169	EA	1/2" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.23	
		For >100 To 250, Deduct	-1.85	
		For >250 To 500, Deduct	-2.31	
		For >500, Deduct	-2.77	
05 05 23 00-0170	EA	1/2" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.67	
		For >100 To 250, Deduct	-1.89	
		For >250 To 500, Deduct	-2.37	
		For >500, Deduct	-2.84	
05 05 23 00-0171	EA	1/2" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.85	
		For >100 To 250, Deduct	-1.89	
		For >250 To 500, Deduct	-2.37	
		For >500, Deduct	-2.84	
05 05 23 00-0172	EA	1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.04	
		For >100 To 250, Deduct	-1.89	
		For >250 To 500, Deduct	-2.37	
		For >500, Deduct	-2.84	
05 05 23 00-0173	EA	1/2" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.52	
		For >100 To 250, Deduct	-1.94	
		For >250 To 500, Deduct	-2.43	
		For >500, Deduct	-2.91	
05 05 23 00-0174	EA	1/2" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.73	
		For >100 To 250, Deduct	-1.94	
		For >250 To 500, Deduct	-2.43	
		For >500, Deduct	-2.91	
05 05 23 00-0175	EA	1/2" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.11	
		For >100 To 250, Deduct	-1.94	
		For >250 To 500, Deduct	-2.43	
		For >500, Deduct	-2.91	
05 05 23 00-0176	EA	1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.40	
		For >100 To 250, Deduct	-1.99	
		For >250 To 500, Deduct	-2.49	
		For >500, Deduct	-2.98	
05 05 23 00-0177	EA	1/2" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.44	
		For >100 To 250, Deduct	-1.99	
		For >250 To 500, Deduct	-2.49	
		For >500, Deduct	-2.98	
05 05 23 00-0178	EA	1/2" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.76	
		For >100 To 250, Deduct	-1.99	
		For >250 To 500, Deduct	-2.49	
		For >500, Deduct	-2.98	
05 05 23 00-0179	EA	1/2" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.28	
		For >100 To 250, Deduct	-2.03	
		For >250 To 500, Deduct	-2.54	
		For >500, Deduct	-3.05	
05 05 23 00-0180	EA	1/2" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.48	
		For >100 To 250, Deduct	-2.03	
		For >250 To 500, Deduct	-2.54	
		For >500, Deduct	-3.05	
05 05 23 00-0181	EA	1/2" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.03	
		For >100 To 250, Deduct	-2.03	
		For >250 To 500, Deduct	-2.54	
		For >500, Deduct	-3.05	
05 05 23 00-0182	EA	1/2" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.54	
		For >100 To 250, Deduct	-2.08	
		For >250 To 500, Deduct	-2.60	
		For >500, Deduct	-3.12	
05 05 23 00-0183	EA	1/2" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.74	
		For >100 To 250, Deduct	-2.08	
		For >250 To 500, Deduct	-2.60	
		For >500, Deduct	-3.12	
05 05 23 00-0184	EA	1/2" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.51	
		For >100 To 250, Deduct	-2.08	
		For >250 To 500, Deduct	-2.60	
		For >500, Deduct	-3.12	
05 05 23 00-0185	EA	1/2" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.73	
		For >100 To 250, Deduct	-2.08	
		For >250 To 500, Deduct	-2.60	
		For >500, Deduct	-3.12	
05 05 23 00-0186		9/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0098)		
05 05 23 00-0187	EA	9/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.06	
		For >100 To 250, Deduct	-1.85	
		For >250 To 500, Deduct	-2.31	
		For >500, Deduct	-2.77	
05 05 23 00-0188	EA	9/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.31	
		For >100 To 250, Deduct	-1.85	
		For >250 To 500, Deduct	-2.31	
		For >500, Deduct	-2.77	
05 05 23 00-0189	EA	9/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.37	
		For >100 To 250, Deduct	-1.85	
		For >250 To 500, Deduct	-2.31	
		For >500, Deduct	-2.77	
05 05 23 00-0190	EA	9/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.41	
		For >100 To 250, Deduct	-1.89	
		For >250 To 500, Deduct	-2.37	
		For >500, Deduct	-2.84	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 05 23 00-0191	EA	9/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.73	
		For >100 To 250, Deduct	-1.89	
		For >250 To 500, Deduct	-2.37	
		For >500, Deduct	-2.84	
05 05 23 00-0192	EA	9/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.84	
		For >100 To 250, Deduct	-1.89	
		For >250 To 500, Deduct	-2.37	
		For >500, Deduct	-2.84	
05 05 23 00-0193	EA	9/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.11	
		For >100 To 250, Deduct	-1.94	
		For >250 To 500, Deduct	-2.43	
		For >500, Deduct	-2.91	
05 05 23 00-0194	EA	9/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.19	
		For >100 To 250, Deduct	-1.94	
		For >250 To 500, Deduct	-2.43	
		For >500, Deduct	-2.91	
05 05 23 00-0195	EA	9/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.46	
		For >100 To 250, Deduct	-1.94	
		For >250 To 500, Deduct	-2.43	
		For >500, Deduct	-2.91	
05 05 23 00-0196	EA	9/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.76	
		For >100 To 250, Deduct	-1.99	
		For >250 To 500, Deduct	-2.49	
		For >500, Deduct	-2.98	
05 05 23 00-0197	EA	9/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.84	
		For >100 To 250, Deduct	-1.99	
		For >250 To 500, Deduct	-2.49	
		For >500, Deduct	-2.98	
05 05 23 00-0198	EA	9/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.08	
		For >100 To 250, Deduct	-1.99	
		For >250 To 500, Deduct	-2.49	
		For >500, Deduct	-2.98	
05 05 23 00-0199	EA	9/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.57	
		For >100 To 250, Deduct	-2.03	
		For >250 To 500, Deduct	-2.54	
		For >500, Deduct	-3.05	
05 05 23 00-0200	EA	9/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.86	
		For >100 To 250, Deduct	-2.03	
		For >250 To 500, Deduct	-2.54	
		For >500, Deduct	-3.05	
05 05 23 00-0201	EA	9/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.15	
		For >100 To 250, Deduct	-2.03	
		For >250 To 500, Deduct	-2.54	
		For >500, Deduct	-3.05	
05 05 23 00-0202	EA	9/16" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.64	
		For >100 To 250, Deduct	-2.08	
		For >250 To 500, Deduct	-2.60	
		For >500, Deduct	-3.12	
05 05 23 00-0203	EA	9/16" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.98	
		For >100 To 250, Deduct	-2.08	
		For >250 To 500, Deduct	-2.60	
		For >500, Deduct	-3.12	
05 05 23 00-0204	EA	9/16" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.21	
		For >100 To 250, Deduct	-2.08	
		For >250 To 500, Deduct	-2.60	
		For >500, Deduct	-3.12	
05 05 23 00-0205	EA	9/16" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.56	
		For >100 To 250, Deduct	-2.08	
		For >250 To 500, Deduct	-2.60	
		For >500, Deduct	-3.12	

05 05 23 00-0206 5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts

23 00-0098

05 05 23 00-0207	EA	5/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.76	
		For >100 To 250, Deduct	-2.08	
		For >250 To 500, Deduct	-2.60	
		For >500, Deduct	-3.12	
05 05 23 00-0208	EA	5/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.93	
		For >100 To 250, Deduct	-2.08	
		For >250 To 500, Deduct	-2.60	
		For >500, Deduct	-3.12	
05 05 23 00-0209	EA	5/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.14	
		For >100 To 250, Deduct	-2.08	
		For >250 To 500, Deduct	-2.60	
		For >500, Deduct	-3.12	
05 05 23 00-0210	EA	5/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.66	
		For >100 To 250, Deduct	-2.13	
		For >250 To 500, Deduct	-2.66	
		For >500, Deduct	-3.19	
05 05 23 00-0211	EA	5/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.98	
		For >100 To 250, Deduct	-2.13	
		For >250 To 500, Deduct	-2.66	
		For >500, Deduct	-3.19	
05 05 23 00-0212	EA	5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.38	
		For >100 To 250, Deduct	-2.13	
		For >250 To 500, Deduct	-2.66	
		For >500, Deduct	-3.19	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0213	EA	5/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.11	
		For >100 To 250, Deduct	-2.17	
		For >250 To 500, Deduct	-2.72	
		For >500, Deduct	-3.26	
05 05 23 00-0214	EA	5/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.72	
		For >100 To 250, Deduct	-2.17	
		For >250 To 500, Deduct	-2.72	
		For >500, Deduct	-3.26	
05 05 23 00-0215	EA	5/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.20	
		For >100 To 250, Deduct	-2.17	
		For >250 To 500, Deduct	-2.72	
		For >500, Deduct	-3.26	
05 05 23 00-0216	EA	5/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.62	
		For >100 To 250, Deduct	-2.22	
		For >250 To 500, Deduct	-2.77	
		For >500, Deduct	-3.33	
05 05 23 00-0217	EA	5/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.68	
		For >100 To 250, Deduct	-2.22	
		For >250 To 500, Deduct	-2.77	
		For >500, Deduct	-3.33	
05 05 23 00-0218	EA	5/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.49	
		For >100 To 250, Deduct	-2.22	
		For >250 To 500, Deduct	-2.77	
		For >500, Deduct	-3.33	
05 05 23 00-0219	EA	5/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.18	
		For >100 To 250, Deduct	-2.26	
		For >250 To 500, Deduct	-2.83	
		For >500, Deduct	-3.40	
05 05 23 00-0220	EA	5/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.82	
		For >100 To 250, Deduct	-2.26	
		For >250 To 500, Deduct	-2.83	
		For >500, Deduct	-3.40	
05 05 23 00-0221	EA	5/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.57	
		For >100 To 250, Deduct	-2.26	
		For >250 To 500, Deduct	-2.83	
		For >500, Deduct	-3.40	
05 05 23 00-0222	EA	5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.61	
		For >100 To 250, Deduct	-2.31	
		For >250 To 500, Deduct	-2.89	
		For >500, Deduct	-3.47	
05 05 23 00-0223	EA	5/8" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.34	
		For >100 To 250, Deduct	-2.31	
		For >250 To 500, Deduct	-2.89	
		For >500, Deduct	-3.47	
05 05 23 00-0224	EA	5/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.09	
		For >100 To 250, Deduct	-2.31	
		For >250 To 500, Deduct	-2.89	
		For >500, Deduct	-3.47	
05 05 23 00-0225	EA	5/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.67	
		For >100 To 250, Deduct	-2.31	
		For >250 To 500, Deduct	-2.89	
		For >500, Deduct	-3.47	
05 05 23 00-0226		3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0098)		
05 05 23 00-0227	EA	3/4" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.31	
		For >100 To 250, Deduct	-2.08	
		For >250 To 500, Deduct	-2.60	
		For >500, Deduct	-3.12	
05 05 23 00-0228	EA	3/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.64	
		For >100 To 250, Deduct	-2.08	
		For >250 To 500, Deduct	-2.60	
		For >500, Deduct	-3.12	
05 05 23 00-0229	EA	3/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.95	
		For >100 To 250, Deduct	-2.08	
		For >250 To 500, Deduct	-2.60	
		For >500, Deduct	-3.12	
05 05 23 00-0230	EA	3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.56	
		For >100 To 250, Deduct	-2.13	
		For >250 To 500, Deduct	-2.66	
		For >500, Deduct	-3.19	
05 05 23 00-0231	EA	3/4" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.03	
		For >100 To 250, Deduct	-2.13	
		For >250 To 500, Deduct	-2.66	
		For >500, Deduct	-3.19	
05 05 23 00-0232	EA	3/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.45	
		For >100 To 250, Deduct	-2.13	
		For >250 To 500, Deduct	-2.66	
		For >500, Deduct	-3.19	
05 05 23 00-0233	EA	3/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.13	
		For >100 To 250, Deduct	-2.17	
		For >250 To 500, Deduct	-2.72	
		For >500, Deduct	-3.26	
05 05 23 00-0234	EA	3/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.71	
		For >100 To 250, Deduct	-2.17	
		For >250 To 500, Deduct	-2.72	
		For >500, Deduct	-3.26	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 05 23 00-0235	EA	3/4" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.17	
		For >100 To 250, Deduct	-2.17	
		For >250 To 500, Deduct	-2.72	
		For >500, Deduct	-3.26	
05 05 23 00-0236	EA	3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.35	
		For >100 To 250, Deduct	-2.22	
		For >250 To 500, Deduct	-2.77	
		For >500, Deduct	-3.33	
05 05 23 00-0237	EA	3/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.73	
		For >100 To 250, Deduct	-2.22	
		For >250 To 500, Deduct	-2.77	
		For >500, Deduct	-3.33	
05 05 23 00-0238	EA	3/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.45	
		For >100 To 250, Deduct	-2.22	
		For >250 To 500, Deduct	-2.77	
		For >500, Deduct	-3.33	
05 05 23 00-0239	EA	3/4" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.72	
		For >100 To 250, Deduct	-2.26	
		For >250 To 500, Deduct	-2.83	
		For >500, Deduct	-3.40	
05 05 23 00-0240	EA	3/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.40	
		For >100 To 250, Deduct	-2.26	
		For >250 To 500, Deduct	-2.83	
		For >500, Deduct	-3.40	
05 05 23 00-0241	EA	3/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.18	
		For >100 To 250, Deduct	-2.26	
		For >250 To 500, Deduct	-2.83	
		For >500, Deduct	-3.40	
05 05 23 00-0242	EA	3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	22.43	
		For >100 To 250, Deduct	-2.31	
		For >250 To 500, Deduct	-2.89	
		For >500, Deduct	-3.47	
05 05 23 00-0243	EA	3/4" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	23.21	
		For >100 To 250, Deduct	-2.31	
		For >250 To 500, Deduct	-2.89	
		For >500, Deduct	-3.47	
05 05 23 00-0244	EA	3/4" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	24.25	
		For >100 To 250, Deduct	-2.31	
		For >250 To 500, Deduct	-2.89	
		For >500, Deduct	-3.47	
05 05 23 00-0245	EA	3/4" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	25.26	
		For >100 To 250, Deduct	-2.31	
		For >250 To 500, Deduct	-2.89	
		For >500, Deduct	-3.47	

05 05 23 00-0246 7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0098)

05 05 23 00-0247	EA	7/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.21	
		For >100 To 250, Deduct	-2.31	
		For >250 To 500, Deduct	-2.89	
		For >500, Deduct	-3.47	
05 05 23 00-0248	EA	7/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.49	
		For >100 To 250, Deduct	-2.31	
		For >250 To 500, Deduct	-2.89	
		For >500, Deduct	-3.47	
05 05 23 00-0249	EA	7/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.63	
		For >100 To 250, Deduct	-2.31	
		For >250 To 500, Deduct	-2.89	
		For >500, Deduct	-3.47	
05 05 23 00-0250	EA	7/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.25	
		For >100 To 250, Deduct	-2.36	
		For >250 To 500, Deduct	-2.95	
		For >500, Deduct	-3.54	
05 05 23 00-0251	EA	7/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.01	
		For >100 To 250, Deduct	-2.36	
		For >250 To 500, Deduct	-2.95	
		For >500, Deduct	-3.54	
05 05 23 00-0252	EA	7/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.90	
		For >100 To 250, Deduct	-2.36	
		For >250 To 500, Deduct	-2.95	
		For >500, Deduct	-3.54	
05 05 23 00-0253	EA	7/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.87	
		For >100 To 250, Deduct	-2.40	
		For >250 To 500, Deduct	-3.01	
		For >500, Deduct	-3.61	
05 05 23 00-0254	EA	7/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.17	
		For >100 To 250, Deduct	-2.40	
		For >250 To 500, Deduct	-3.01	
		For >500, Deduct	-3.61	
05 05 23 00-0255	EA	7/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.89	
		For >100 To 250, Deduct	-2.40	
		For >250 To 500, Deduct	-3.01	
		For >500, Deduct	-3.61	
05 05 23 00-0256	EA	7/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.67	
		For >100 To 250, Deduct	-2.45	
		For >250 To 500, Deduct	-3.06	
		For >500, Deduct	-3.67	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0257	EA	7/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	22.10	
		For >100 To 250, Deduct	-2.45	
		For >250 To 500, Deduct	-3.06	
		For >500, Deduct	-3.67	
05 05 23 00-0258	EA	7/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	23.12	
		For >100 To 250, Deduct	-2.45	
		For >250 To 500, Deduct	-3.06	
		For >500, Deduct	-3.67	
05 05 23 00-0259	EA	7/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	24.38	
		For >100 To 250, Deduct	-2.49	
		For >250 To 500, Deduct	-3.12	
		For >500, Deduct	-3.74	
05 05 23 00-0260	EA	7/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	25.41	
		For >100 To 250, Deduct	-2.49	
		For >250 To 500, Deduct	-3.12	
		For >500, Deduct	-3.74	
05 05 23 00-0261	EA	7/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	26.44	
		For >100 To 250, Deduct	-2.49	
		For >250 To 500, Deduct	-3.12	
		For >500, Deduct	-3.74	
05 05 23 00-0262	EA	7/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	27.63	
		For >100 To 250, Deduct	-2.54	
		For >250 To 500, Deduct	-3.18	
		For >500, Deduct	-3.81	
05 05 23 00-0263	EA	7/8" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	28.71	
		For >100 To 250, Deduct	-2.54	
		For >250 To 500, Deduct	-3.18	
		For >500, Deduct	-3.81	
05 05 23 00-0264	EA	7/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	29.70	
		For >100 To 250, Deduct	-2.54	
		For >250 To 500, Deduct	-3.18	
		For >500, Deduct	-3.81	
05 05 23 00-0265	EA	7/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	30.77	
		For >100 To 250, Deduct	-2.54	
		For >250 To 500, Deduct	-3.18	
		For >500, Deduct	-3.81	
05 05 23 00-0266		1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0098)		
05 05 23 00-0267	EA	1" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.47	
		For >100 To 250, Deduct	-2.31	
		For >250 To 500, Deduct	-2.89	
		For >500, Deduct	-3.47	
05 05 23 00-0268	EA	1" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.34	
		For >100 To 250, Deduct	-2.31	
		For >250 To 500, Deduct	-2.89	
		For >500, Deduct	-3.47	
05 05 23 00-0269	EA	1" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.76	
		For >100 To 250, Deduct	-2.36	
		For >250 To 500, Deduct	-2.95	
		For >500, Deduct	-3.54	
05 05 23 00-0270	EA	1" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.24	
		For >100 To 250, Deduct	-2.36	
		For >250 To 500, Deduct	-2.95	
		For >500, Deduct	-3.54	
05 05 23 00-0271	EA	1" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	22.58	
		For >100 To 250, Deduct	-2.36	
		For >250 To 500, Deduct	-2.95	
		For >500, Deduct	-3.54	
05 05 23 00-0272	EA	1" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	24.20	
		For >100 To 250, Deduct	-2.40	
		For >250 To 500, Deduct	-3.01	
		For >500, Deduct	-3.61	
05 05 23 00-0273	EA	1" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	25.50	
		For >100 To 250, Deduct	-2.40	
		For >250 To 500, Deduct	-3.01	
		For >500, Deduct	-3.61	
05 05 23 00-0274	EA	1" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	26.84	
		For >100 To 250, Deduct	-2.40	
		For >250 To 500, Deduct	-3.01	
		For >500, Deduct	-3.61	
05 05 23 00-0275	EA	1" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	27.73	
		For >100 To 250, Deduct	-2.45	
		For >250 To 500, Deduct	-3.06	
		For >500, Deduct	-3.67	
05 05 23 00-0276	EA	1" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	28.37	
		For >100 To 250, Deduct	-2.45	
		For >250 To 500, Deduct	-3.06	
		For >500, Deduct	-3.67	
05 05 23 00-0277	EA	1" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	29.50	
		For >100 To 250, Deduct	-2.45	
		For >250 To 500, Deduct	-3.06	
		For >500, Deduct	-3.67	
05 05 23 00-0278	EA	1" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	30.86	
		For >100 To 250, Deduct	-2.49	
		For >250 To 500, Deduct	-3.12	
		For >500, Deduct	-3.74	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 05 23 00-0279	EA	1" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	31.98	
		For >100 To 250, Deduct	-2.49	
		For >250 To 500, Deduct	-3.12	
		For >500, Deduct	-3.74	
05 05 23 00-0280	EA	1" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	33.14	
		For >100 To 250, Deduct	-2.49	
		For >250 To 500, Deduct	-3.12	
		For >500, Deduct	-3.74	
05 05 23 00-0281	EA	1" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	34.30	
		For >100 To 250, Deduct	-2.54	
		For >250 To 500, Deduct	-3.18	
		For >500, Deduct	-3.81	
05 05 23 00-0282	EA	1" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	35.61	
		For >100 To 250, Deduct	-2.54	
		For >250 To 500, Deduct	-3.18	
		For >500, Deduct	-3.81	
05 05 23 00-0283	EA	1" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	36.77	
		For >100 To 250, Deduct	-2.54	
		For >250 To 500, Deduct	-3.18	
		For >500, Deduct	-3.81	
05 05 23 00-0284	EA	1" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	37.95	
		For >100 To 250, Deduct	-2.54	
		For >250 To 500, Deduct	-3.18	
		For >500, Deduct	-3.81	

05 05 23 00-0285 Zinc Plated Steel, Grade 5, Hex Head Bolts
(05 05 23 00-0097)
05 05 23 00-0286 1/4" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts
(05 05 23 00-0285)

05 05 23 00-0287	EA	1/4" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.28	
		For >100 To 250, Deduct	-1.62	
		For >250 To 500, Deduct	-2.02	
		For >500, Deduct	-2.43	
05 05 23 00-0288	EA	1/4" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.34	
		For >100 To 250, Deduct	-1.62	
		For >250 To 500, Deduct	-2.02	
		For >500, Deduct	-2.43	
05 05 23 00-0289	EA	1/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.39	
		For >100 To 250, Deduct	-1.62	
		For >250 To 500, Deduct	-2.02	
		For >500, Deduct	-2.43	
05 05 23 00-0290	EA	1/4" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.49	
		For >100 To 250, Deduct	-1.62	
		For >250 To 500, Deduct	-2.02	
		For >500, Deduct	-2.43	
05 05 23 00-0291	EA	1/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.82	
		For >100 To 250, Deduct	-1.66	
		For >250 To 500, Deduct	-2.08	
		For >500, Deduct	-2.50	
05 05 23 00-0292	EA	1/4" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.00	
		For >100 To 250, Deduct	-1.66	
		For >250 To 500, Deduct	-2.08	
		For >500, Deduct	-2.50	
05 05 23 00-0293	EA	1/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.19	
		For >100 To 250, Deduct	-1.66	
		For >250 To 500, Deduct	-2.08	
		For >500, Deduct	-2.50	
05 05 23 00-0294	EA	1/4" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.57	
		For >100 To 250, Deduct	-1.71	
		For >250 To 500, Deduct	-2.14	
		For >500, Deduct	-2.57	
05 05 23 00-0295	EA	1/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.81	
		For >100 To 250, Deduct	-1.71	
		For >250 To 500, Deduct	-2.14	
		For >500, Deduct	-2.57	
05 05 23 00-0296	EA	1/4" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.97	
		For >100 To 250, Deduct	-1.71	
		For >250 To 500, Deduct	-2.14	
		For >500, Deduct	-2.57	
05 05 23 00-0297	EA	1/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.37	
		For >100 To 250, Deduct	-1.76	
		For >250 To 500, Deduct	-2.20	
		For >500, Deduct	-2.63	
05 05 23 00-0298	EA	1/4" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.52	
		For >100 To 250, Deduct	-1.76	
		For >250 To 500, Deduct	-2.20	
		For >500, Deduct	-2.63	
05 05 23 00-0299	EA	1/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.67	
		For >100 To 250, Deduct	-1.76	
		For >250 To 500, Deduct	-2.20	
		For >500, Deduct	-2.63	
05 05 23 00-0300	EA	1/4" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.10	
		For >100 To 250, Deduct	-1.80	
		For >250 To 500, Deduct	-2.25	
		For >500, Deduct	-2.70	
05 05 23 00-0301	EA	1/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.31	
		For >100 To 250, Deduct	-1.80	
		For >250 To 500, Deduct	-2.25	
		For >500, Deduct	-2.70	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0302	EA	1/4" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.53	
		For >100 To 250, Deduct	-1.80	
		For >250 To 500, Deduct	-2.25	
		For >500, Deduct	-2.70	
05 05 23 00-0303		5/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0285)		
05 05 23 00-0304	EA	5/16" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.40	
		For >100 To 250, Deduct	-1.62	
		For >250 To 500, Deduct	-2.02	
		For >500, Deduct	-2.43	
05 05 23 00-0305	EA	5/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.44	
		For >100 To 250, Deduct	-1.62	
		For >250 To 500, Deduct	-2.02	
		For >500, Deduct	-2.43	
05 05 23 00-0306	EA	5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.51	
		For >100 To 250, Deduct	-1.62	
		For >250 To 500, Deduct	-2.02	
		For >500, Deduct	-2.43	
05 05 23 00-0307	EA	5/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.65	
		For >100 To 250, Deduct	-1.62	
		For >250 To 500, Deduct	-2.02	
		For >500, Deduct	-2.43	
05 05 23 00-0308	EA	5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.98	
		For >100 To 250, Deduct	-1.66	
		For >250 To 500, Deduct	-2.08	
		For >500, Deduct	-2.50	
05 05 23 00-0309	EA	5/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.15	
		For >100 To 250, Deduct	-1.66	
		For >250 To 500, Deduct	-2.08	
		For >500, Deduct	-2.50	
05 05 23 00-0310	EA	5/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.44	
		For >100 To 250, Deduct	-1.66	
		For >250 To 500, Deduct	-2.08	
		For >500, Deduct	-2.50	
05 05 23 00-0311	EA	5/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.82	
		For >100 To 250, Deduct	-1.71	
		For >250 To 500, Deduct	-2.14	
		For >500, Deduct	-2.57	
05 05 23 00-0312	EA	5/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.06	
		For >100 To 250, Deduct	-1.71	
		For >250 To 500, Deduct	-2.14	
		For >500, Deduct	-2.57	
05 05 23 00-0313	EA	5/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.27	
		For >100 To 250, Deduct	-1.71	
		For >250 To 500, Deduct	-2.14	
		For >500, Deduct	-2.57	
05 05 23 00-0314	EA	5/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.93	
		For >100 To 250, Deduct	-1.76	
		For >250 To 500, Deduct	-2.20	
		For >500, Deduct	-2.63	
05 05 23 00-0315	EA	5/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.01	
		For >100 To 250, Deduct	-1.76	
		For >250 To 500, Deduct	-2.20	
		For >500, Deduct	-2.63	
05 05 23 00-0316	EA	5/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.30	
		For >100 To 250, Deduct	-1.76	
		For >250 To 500, Deduct	-2.20	
		For >500, Deduct	-2.63	
05 05 23 00-0317	EA	5/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.91	
		For >100 To 250, Deduct	-1.80	
		For >250 To 500, Deduct	-2.25	
		For >500, Deduct	-2.70	
05 05 23 00-0318	EA	5/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.31	
		For >100 To 250, Deduct	-1.80	
		For >250 To 500, Deduct	-2.25	
		For >500, Deduct	-2.70	
05 05 23 00-0319	EA	5/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.69	
		For >100 To 250, Deduct	-1.80	
		For >250 To 500, Deduct	-2.25	
		For >500, Deduct	-2.70	
05 05 23 00-0320		3/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0285)		
05 05 23 00-0321	EA	3/8" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.46	
		For >100 To 250, Deduct	-1.62	
		For >250 To 500, Deduct	-2.02	
		For >500, Deduct	-2.43	
05 05 23 00-0322	EA	3/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.50	
		For >100 To 250, Deduct	-1.62	
		For >250 To 500, Deduct	-2.02	
		For >500, Deduct	-2.43	
05 05 23 00-0323	EA	3/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.63	
		For >100 To 250, Deduct	-1.62	
		For >250 To 500, Deduct	-2.02	
		For >500, Deduct	-2.43	
05 05 23 00-0324	EA	3/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.77	
		For >100 To 250, Deduct	-1.62	
		For >250 To 500, Deduct	-2.02	
		For >500, Deduct	-2.43	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 05 23 00-0325	EA 3/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.16	
	For >100 To 250, Deduct	-1.66	
	For >250 To 500, Deduct	-2.08	
	For >500, Deduct	-2.50	
05 05 23 00-0326	EA 3/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.32	
	For >100 To 250, Deduct	-1.66	
	For >250 To 500, Deduct	-2.08	
	For >500, Deduct	-2.50	
05 05 23 00-0327	EA 3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.58	
	For >100 To 250, Deduct	-1.66	
	For >250 To 500, Deduct	-2.08	
	For >500, Deduct	-2.50	
05 05 23 00-0328	EA 3/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.09	
	For >100 To 250, Deduct	-1.71	
	For >250 To 500, Deduct	-2.14	
	For >500, Deduct	-2.57	
05 05 23 00-0329	EA 3/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.70	
	For >100 To 250, Deduct	-1.71	
	For >250 To 500, Deduct	-2.14	
	For >500, Deduct	-2.57	
05 05 23 00-0330	EA 3/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.98	
	For >100 To 250, Deduct	-1.71	
	For >250 To 500, Deduct	-2.14	
	For >500, Deduct	-2.57	
05 05 23 00-0331	EA 3/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.57	
	For >100 To 250, Deduct	-1.76	
	For >250 To 500, Deduct	-2.20	
	For >500, Deduct	-2.63	
05 05 23 00-0332	EA 3/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.83	
	For >100 To 250, Deduct	-1.76	
	For >250 To 500, Deduct	-2.20	
	For >500, Deduct	-2.63	
05 05 23 00-0333	EA 3/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.29	
	For >100 To 250, Deduct	-1.76	
	For >250 To 500, Deduct	-2.20	
	For >500, Deduct	-2.63	
05 05 23 00-0334	EA 3/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.86	
	For >100 To 250, Deduct	-1.80	
	For >250 To 500, Deduct	-2.25	
	For >500, Deduct	-2.70	
05 05 23 00-0335	EA 3/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.47	
	For >100 To 250, Deduct	-1.80	
	For >250 To 500, Deduct	-2.25	
	For >500, Deduct	-2.70	
05 05 23 00-0336	EA 3/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.96	
	For >100 To 250, Deduct	-1.80	
	For >250 To 500, Deduct	-2.25	
	For >500, Deduct	-2.70	

05 05 23 00-0337 7/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0285)

05 05 23 00-0338	EA 7/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.89	
	For >100 To 250, Deduct	-1.85	
	For >250 To 500, Deduct	-2.31	
	For >500, Deduct	-2.77	
05 05 23 00-0339	EA 7/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.01	
	For >100 To 250, Deduct	-1.85	
	For >250 To 500, Deduct	-2.31	
	For >500, Deduct	-2.77	
05 05 23 00-0340	EA 7/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.33	
	For >100 To 250, Deduct	-1.85	
	For >250 To 500, Deduct	-2.31	
	For >500, Deduct	-2.77	
05 05 23 00-0341	EA 7/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.80	
	For >100 To 250, Deduct	-1.89	
	For >250 To 500, Deduct	-2.37	
	For >500, Deduct	-2.84	
05 05 23 00-0342	EA 7/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.03	
	For >100 To 250, Deduct	-1.89	
	For >250 To 500, Deduct	-2.37	
	For >500, Deduct	-2.84	
05 05 23 00-0343	EA 7/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.24	
	For >100 To 250, Deduct	-1.89	
	For >250 To 500, Deduct	-2.37	
	For >500, Deduct	-2.84	
05 05 23 00-0344	EA 7/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.75	
	For >100 To 250, Deduct	-1.94	
	For >250 To 500, Deduct	-2.43	
	For >500, Deduct	-2.91	
05 05 23 00-0345	EA 7/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.95	
	For >100 To 250, Deduct	-1.94	
	For >250 To 500, Deduct	-2.43	
	For >500, Deduct	-2.91	
05 05 23 00-0346	EA 7/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.49	
	For >100 To 250, Deduct	-1.94	
	For >250 To 500, Deduct	-2.43	
	For >500, Deduct	-2.91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST

05 05 23 00-0347	EA		7/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.89	
			For >100 To 250, Deduct	-1.99	
			For >250 To 500, Deduct	-2.49	
			For >500, Deduct	-2.98	
05 05 23 00-0348	EA		7/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.14	
			For >100 To 250, Deduct	-1.99	
			For >250 To 500, Deduct	-2.49	
			For >500, Deduct	-2.98	
05 05 23 00-0349	EA		7/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.40	
			For >100 To 250, Deduct	-1.99	
			For >250 To 500, Deduct	-2.49	
			For >500, Deduct	-2.98	
05 05 23 00-0350	EA		7/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.98	
			For >100 To 250, Deduct	-2.03	
			For >250 To 500, Deduct	-2.54	
			For >500, Deduct	-3.05	
05 05 23 00-0351	EA		7/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.33	
			For >100 To 250, Deduct	-2.03	
			For >250 To 500, Deduct	-2.54	
			For >500, Deduct	-3.05	
05 05 23 00-0352	EA		7/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.68	
			For >100 To 250, Deduct	-2.03	
			For >250 To 500, Deduct	-2.54	
			For >500, Deduct	-3.05	

05 05 23 00-0353 1/2" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0285)

05 05 23 00-0354	EA		1/2" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.05	
			For >100 To 250, Deduct	-1.85	
			For >250 To 500, Deduct	-2.31	
			For >500, Deduct	-2.77	
05 05 23 00-0355	EA		1/2" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.22	
			For >100 To 250, Deduct	-1.85	
			For >250 To 500, Deduct	-2.31	
			For >500, Deduct	-2.77	
05 05 23 00-0356	EA		1/2" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.40	
			For >100 To 250, Deduct	-1.85	
			For >250 To 500, Deduct	-2.31	
			For >500, Deduct	-2.77	
05 05 23 00-0357	EA		1/2" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.92	
			For >100 To 250, Deduct	-1.89	
			For >250 To 500, Deduct	-2.37	
			For >500, Deduct	-2.84	
05 05 23 00-0358	EA		1/2" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.19	
			For >100 To 250, Deduct	-1.89	
			For >250 To 500, Deduct	-2.37	
			For >500, Deduct	-2.84	
05 05 23 00-0359	EA		1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.48	
			For >100 To 250, Deduct	-1.89	
			For >250 To 500, Deduct	-2.37	
			For >500, Deduct	-2.84	
05 05 23 00-0360	EA		1/2" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.97	
			For >100 To 250, Deduct	-1.94	
			For >250 To 500, Deduct	-2.43	
			For >500, Deduct	-2.91	
05 05 23 00-0361	EA		1/2" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.92	
			For >100 To 250, Deduct	-1.94	
			For >250 To 500, Deduct	-2.43	
			For >500, Deduct	-2.91	
05 05 23 00-0362	EA		1/2" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.98	
			For >100 To 250, Deduct	-1.94	
			For >250 To 500, Deduct	-2.43	
			For >500, Deduct	-2.91	
05 05 23 00-0363	EA		1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.86	
			For >100 To 250, Deduct	-1.99	
			For >250 To 500, Deduct	-2.49	
			For >500, Deduct	-2.98	
05 05 23 00-0364	EA		1/2" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.23	
			For >100 To 250, Deduct	-1.99	
			For >250 To 500, Deduct	-2.49	
			For >500, Deduct	-2.98	
05 05 23 00-0365	EA		1/2" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.18	
			For >100 To 250, Deduct	-1.99	
			For >250 To 500, Deduct	-2.49	
			For >500, Deduct	-2.98	
05 05 23 00-0366	EA		1/2" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	16.26	
			For >100 To 250, Deduct	-2.03	
			For >250 To 500, Deduct	-2.54	
			For >500, Deduct	-3.05	
05 05 23 00-0367	EA		1/2" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	16.79	
			For >100 To 250, Deduct	-2.03	
			For >250 To 500, Deduct	-2.54	
			For >500, Deduct	-3.05	
05 05 23 00-0368	EA		1/2" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	16.99	
			For >100 To 250, Deduct	-2.03	
			For >250 To 500, Deduct	-2.54	
			For >500, Deduct	-3.05	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 05 23 00-0369	EA 1/2" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	18.20
	For >100 To 250, Deduct	-2.08
	For >250 To 500, Deduct	-2.60
	For >500, Deduct	-3.12
05 05 23 00-0370	EA 1/2" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	19.13
	For >100 To 250, Deduct	-2.08
	For >250 To 500, Deduct	-2.60
	For >500, Deduct	-3.12
05 05 23 00-0371	EA 1/2" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	20.44
	For >100 To 250, Deduct	-2.08
	For >250 To 500, Deduct	-2.60
	For >500, Deduct	-3.12
05 05 23 00-0372	EA 1/2" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	20.95
	For >100 To 250, Deduct	-2.08
	For >250 To 500, Deduct	-2.60
	For >500, Deduct	-3.12

05 05 23 00-0373 9/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0285)

05 05 23 00-0374	EA 9/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.57
	For >100 To 250, Deduct	-1.85
	For >250 To 500, Deduct	-2.31
	For >500, Deduct	-2.77
05 05 23 00-0375	EA 9/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.87
	For >100 To 250, Deduct	-1.85
	For >250 To 500, Deduct	-2.31
	For >500, Deduct	-2.77
05 05 23 00-0376	EA 9/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.15
	For >100 To 250, Deduct	-1.85
	For >250 To 500, Deduct	-2.31
	For >500, Deduct	-2.77
05 05 23 00-0377	EA 9/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.68
	For >100 To 250, Deduct	-1.89
	For >250 To 500, Deduct	-2.37
	For >500, Deduct	-2.84
05 05 23 00-0378	EA 9/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.06
	For >100 To 250, Deduct	-1.89
	For >250 To 500, Deduct	-2.37
	For >500, Deduct	-2.84
05 05 23 00-0379	EA 9/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.49
	For >100 To 250, Deduct	-1.89
	For >250 To 500, Deduct	-2.37
	For >500, Deduct	-2.84
05 05 23 00-0380	EA 9/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.21
	For >100 To 250, Deduct	-1.94
	For >250 To 500, Deduct	-2.43
	For >500, Deduct	-2.91
05 05 23 00-0381	EA 9/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.86
	For >100 To 250, Deduct	-1.94
	For >250 To 500, Deduct	-2.43
	For >500, Deduct	-2.91
05 05 23 00-0382	EA 9/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.29
	For >100 To 250, Deduct	-1.94
	For >250 To 500, Deduct	-2.43
	For >500, Deduct	-2.91
05 05 23 00-0383	EA 9/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	16.00
	For >100 To 250, Deduct	-1.99
	For >250 To 500, Deduct	-2.49
	For >500, Deduct	-2.98
05 05 23 00-0384	EA 9/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	16.46
	For >100 To 250, Deduct	-1.99
	For >250 To 500, Deduct	-2.49
	For >500, Deduct	-2.98
05 05 23 00-0385	EA 9/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	17.98
	For >100 To 250, Deduct	-1.99
	For >250 To 500, Deduct	-2.49
	For >500, Deduct	-2.98
05 05 23 00-0386	EA 9/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	20.09
	For >100 To 250, Deduct	-2.03
	For >250 To 500, Deduct	-2.54
	For >500, Deduct	-3.05
05 05 23 00-0387	EA 9/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	20.72
	For >100 To 250, Deduct	-2.03
	For >250 To 500, Deduct	-2.54
	For >500, Deduct	-3.05
05 05 23 00-0388	EA 9/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	21.77
	For >100 To 250, Deduct	-2.03
	For >250 To 500, Deduct	-2.54
	For >500, Deduct	-3.05
05 05 23 00-0389	EA 9/16" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	22.99
	For >100 To 250, Deduct	-2.08
	For >250 To 500, Deduct	-2.60
	For >500, Deduct	-3.12
05 05 23 00-0390	EA 9/16" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	23.37
	For >100 To 250, Deduct	-2.08
	For >250 To 500, Deduct	-2.60
	For >500, Deduct	-3.12

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0391	EA	9/16" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	23.76	
		For >100 To 250, Deduct	-2.08	
		For >250 To 500, Deduct	-2.60	
		For >500, Deduct	-3.12	
05 05 23 00-0392	EA	9/16" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	24.70	
		For >100 To 250, Deduct	-2.08	
		For >250 To 500, Deduct	-2.60	
		For >500, Deduct	-3.12	
05 05 23 00-0393		5/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0285)		
05 05 23 00-0394	EA	5/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.05	
		For >100 To 250, Deduct	-2.08	
		For >250 To 500, Deduct	-2.60	
		For >500, Deduct	-3.12	
05 05 23 00-0395	EA	5/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.16	
		For >100 To 250, Deduct	-2.08	
		For >250 To 500, Deduct	-2.60	
		For >500, Deduct	-3.12	
05 05 23 00-0396	EA	5/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.25	
		For >100 To 250, Deduct	-2.08	
		For >250 To 500, Deduct	-2.60	
		For >500, Deduct	-3.12	
05 05 23 00-0397	EA	5/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.77	
		For >100 To 250, Deduct	-2.13	
		For >250 To 500, Deduct	-2.66	
		For >500, Deduct	-3.19	
05 05 23 00-0398	EA	5/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.27	
		For >100 To 250, Deduct	-2.13	
		For >250 To 500, Deduct	-2.66	
		For >500, Deduct	-3.19	
05 05 23 00-0399	EA	5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.73	
		For >100 To 250, Deduct	-2.13	
		For >250 To 500, Deduct	-2.66	
		For >500, Deduct	-3.19	
05 05 23 00-0400	EA	5/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.43	
		For >100 To 250, Deduct	-2.17	
		For >250 To 500, Deduct	-2.72	
		For >500, Deduct	-3.26	
05 05 23 00-0401	EA	5/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.32	
		For >100 To 250, Deduct	-2.17	
		For >250 To 500, Deduct	-2.72	
		For >500, Deduct	-3.26	
05 05 23 00-0402	EA	5/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.79	
		For >100 To 250, Deduct	-2.17	
		For >250 To 500, Deduct	-2.72	
		For >500, Deduct	-3.26	
05 05 23 00-0403	EA	5/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	16.26	
		For >100 To 250, Deduct	-2.22	
		For >250 To 500, Deduct	-2.77	
		For >500, Deduct	-3.33	
05 05 23 00-0404	EA	5/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	17.03	
		For >100 To 250, Deduct	-2.22	
		For >250 To 500, Deduct	-2.77	
		For >500, Deduct	-3.33	
05 05 23 00-0405	EA	5/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	18.23	
		For >100 To 250, Deduct	-2.22	
		For >250 To 500, Deduct	-2.77	
		For >500, Deduct	-3.33	
05 05 23 00-0406	EA	5/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	19.56	
		For >100 To 250, Deduct	-2.26	
		For >250 To 500, Deduct	-2.83	
		For >500, Deduct	-3.40	
05 05 23 00-0407	EA	5/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	20.55	
		For >100 To 250, Deduct	-2.26	
		For >250 To 500, Deduct	-2.83	
		For >500, Deduct	-3.40	
05 05 23 00-0408	EA	5/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	20.71	
		For >100 To 250, Deduct	-2.26	
		For >250 To 500, Deduct	-2.83	
		For >500, Deduct	-3.40	
05 05 23 00-0409	EA	5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	22.74	
		For >100 To 250, Deduct	-2.31	
		For >250 To 500, Deduct	-2.89	
		For >500, Deduct	-3.47	
05 05 23 00-0410	EA	5/8" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	24.08	
		For >100 To 250, Deduct	-2.31	
		For >250 To 500, Deduct	-2.89	
		For >500, Deduct	-3.47	
05 05 23 00-0411	EA	5/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	26.05	
		For >100 To 250, Deduct	-2.31	
		For >250 To 500, Deduct	-2.89	
		For >500, Deduct	-3.47	
05 05 23 00-0412	EA	5/8" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	26.74	
		For >100 To 250, Deduct	-2.31	
		For >250 To 500, Deduct	-2.89	
		For >500, Deduct	-3.47	
05 05 23 00-0413		3/4" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0285)		

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 05 23 00-0414	EA 3/4" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.18	
	For >100 To 250, Deduct	-2.08	
	For >250 To 500, Deduct	-2.60	
	For >500, Deduct	-3.12	
05 05 23 00-0415	EA 3/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.38	
	For >100 To 250, Deduct	-2.08	
	For >250 To 500, Deduct	-2.60	
	For >500, Deduct	-3.12	
05 05 23 00-0416	EA 3/4" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.48	
	For >100 To 250, Deduct	-2.08	
	For >250 To 500, Deduct	-2.60	
	For >500, Deduct	-3.12	
05 05 23 00-0417	EA 3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.14	
	For >100 To 250, Deduct	-2.13	
	For >250 To 500, Deduct	-2.66	
	For >500, Deduct	-3.19	
05 05 23 00-0418	EA 3/4" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.64	
	For >100 To 250, Deduct	-2.13	
	For >250 To 500, Deduct	-2.66	
	For >500, Deduct	-3.19	
05 05 23 00-0419	EA 3/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.41	
	For >100 To 250, Deduct	-2.13	
	For >250 To 500, Deduct	-2.66	
	For >500, Deduct	-3.19	
05 05 23 00-0420	EA 3/4" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	16.16	
	For >100 To 250, Deduct	-2.17	
	For >250 To 500, Deduct	-2.72	
	For >500, Deduct	-3.26	
05 05 23 00-0421	EA 3/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	16.65	
	For >100 To 250, Deduct	-2.17	
	For >250 To 500, Deduct	-2.72	
	For >500, Deduct	-3.26	
05 05 23 00-0422	EA 3/4" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	17.68	
	For >100 To 250, Deduct	-2.17	
	For >250 To 500, Deduct	-2.72	
	For >500, Deduct	-3.26	
05 05 23 00-0423	EA 3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	18.39	
	For >100 To 250, Deduct	-2.22	
	For >250 To 500, Deduct	-2.77	
	For >500, Deduct	-3.33	
05 05 23 00-0424	EA 3/4" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	19.24	
	For >100 To 250, Deduct	-2.22	
	For >250 To 500, Deduct	-2.77	
	For >500, Deduct	-3.33	
05 05 23 00-0425	EA 3/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	20.28	
	For >100 To 250, Deduct	-2.22	
	For >250 To 500, Deduct	-2.77	
	For >500, Deduct	-3.33	
05 05 23 00-0426	EA 3/4" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	21.99	
	For >100 To 250, Deduct	-2.26	
	For >250 To 500, Deduct	-2.83	
	For >500, Deduct	-3.40	
05 05 23 00-0427	EA 3/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	23.07	
	For >100 To 250, Deduct	-2.26	
	For >250 To 500, Deduct	-2.83	
	For >500, Deduct	-3.40	
05 05 23 00-0428	EA 3/4" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	23.68	
	For >100 To 250, Deduct	-2.26	
	For >250 To 500, Deduct	-2.83	
	For >500, Deduct	-3.40	
05 05 23 00-0429	EA 3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	25.53	
	For >100 To 250, Deduct	-2.31	
	For >250 To 500, Deduct	-2.89	
	For >500, Deduct	-3.47	
05 05 23 00-0430	EA 3/4" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	26.08	
	For >100 To 250, Deduct	-2.31	
	For >250 To 500, Deduct	-2.89	
	For >500, Deduct	-3.47	
05 05 23 00-0431	EA 3/4" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	27.87	
	For >100 To 250, Deduct	-2.31	
	For >250 To 500, Deduct	-2.89	
	For >500, Deduct	-3.47	
05 05 23 00-0432	EA 3/4" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	28.31	
	For >100 To 250, Deduct	-2.31	
	For >250 To 500, Deduct	-2.89	
	For >500, Deduct	-3.47	

05 05 23 00-0433 7/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0285)

05 05 23 00-0434	EA 7/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.75	
	For >100 To 250, Deduct	-2.31	
	For >250 To 500, Deduct	-2.89	
	For >500, Deduct	-3.47	
05 05 23 00-0435	EA 7/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.99	
	For >100 To 250, Deduct	-2.31	
	For >250 To 500, Deduct	-2.89	
	For >500, Deduct	-3.47	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0436	EA	7/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.33	
		For >100 To 250, Deduct	-2.31	
		For >250 To 500, Deduct	-2.89	
		For >500, Deduct	-3.47	
05 05 23 00-0437	EA	7/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.90	
		For >100 To 250, Deduct	-2.36	
		For >250 To 500, Deduct	-2.95	
		For >500, Deduct	-3.54	
05 05 23 00-0438	EA	7/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.91	
		For >100 To 250, Deduct	-2.36	
		For >250 To 500, Deduct	-2.95	
		For >500, Deduct	-3.54	
05 05 23 00-0439	EA	7/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.58	
		For >100 To 250, Deduct	-2.36	
		For >250 To 500, Deduct	-2.95	
		For >500, Deduct	-3.54	
05 05 23 00-0440	EA	7/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.32	
		For >100 To 250, Deduct	-2.40	
		For >250 To 500, Deduct	-3.01	
		For >500, Deduct	-3.61	
05 05 23 00-0441	EA	7/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	20.51	
		For >100 To 250, Deduct	-2.40	
		For >250 To 500, Deduct	-3.01	
		For >500, Deduct	-3.61	
05 05 23 00-0442	EA	7/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	21.41	
		For >100 To 250, Deduct	-2.40	
		For >250 To 500, Deduct	-3.01	
		For >500, Deduct	-3.61	
05 05 23 00-0443	EA	7/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	22.05	
		For >100 To 250, Deduct	-2.45	
		For >250 To 500, Deduct	-3.06	
		For >500, Deduct	-3.67	
05 05 23 00-0444	EA	7/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	22.80	
		For >100 To 250, Deduct	-2.45	
		For >250 To 500, Deduct	-3.06	
		For >500, Deduct	-3.67	
05 05 23 00-0445	EA	7/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	26.01	
		For >100 To 250, Deduct	-2.45	
		For >250 To 500, Deduct	-3.06	
		For >500, Deduct	-3.67	
05 05 23 00-0446	EA	7/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	27.38	
		For >100 To 250, Deduct	-2.49	
		For >250 To 500, Deduct	-3.12	
		For >500, Deduct	-3.74	
05 05 23 00-0447	EA	7/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	28.79	
		For >100 To 250, Deduct	-2.49	
		For >250 To 500, Deduct	-3.12	
		For >500, Deduct	-3.74	
05 05 23 00-0448	EA	7/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	28.88	
		For >100 To 250, Deduct	-2.49	
		For >250 To 500, Deduct	-3.12	
		For >500, Deduct	-3.74	
05 05 23 00-0449	EA	7/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	31.14	
		For >100 To 250, Deduct	-2.54	
		For >250 To 500, Deduct	-3.18	
		For >500, Deduct	-3.81	
05 05 23 00-0450	EA	7/8" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	32.51	
		For >100 To 250, Deduct	-2.54	
		For >250 To 500, Deduct	-3.18	
		For >500, Deduct	-3.81	
05 05 23 00-0451	EA	7/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	33.69	
		For >100 To 250, Deduct	-2.54	
		For >250 To 500, Deduct	-3.18	
		For >500, Deduct	-3.81	
05 05 23 00-0452	EA	7/8" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	34.86	
		For >100 To 250, Deduct	-2.54	
		For >250 To 500, Deduct	-3.18	
		For >500, Deduct	-3.81	
05 05 23 00-0453		1" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0285)	17.99	
05 05 23 00-0454	EA	1" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.99	
		For >100 To 250, Deduct	-2.31	
		For >250 To 500, Deduct	-2.89	
		For >500, Deduct	-3.47	
05 05 23 00-0455	EA	1" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.07	
		For >100 To 250, Deduct	-2.31	
		For >250 To 500, Deduct	-2.89	
		For >500, Deduct	-3.47	
05 05 23 00-0456	EA	1" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.06	
		For >100 To 250, Deduct	-2.36	
		For >250 To 500, Deduct	-2.95	
		For >500, Deduct	-3.54	
05 05 23 00-0457	EA	1" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	20.03	
		For >100 To 250, Deduct	-2.36	
		For >250 To 500, Deduct	-2.95	
		For >500, Deduct	-3.54	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 05 23 00-0458	EA	1" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	20.75	
		For >100 To 250, Deduct	-2.36	
		For >250 To 500, Deduct	-2.95	
		For >500, Deduct	-3.54	
05 05 23 00-0459	EA	1" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	21.90	
		For >100 To 250, Deduct	-2.40	
		For >250 To 500, Deduct	-3.01	
		For >500, Deduct	-3.61	
05 05 23 00-0460	EA	1" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	23.04	
		For >100 To 250, Deduct	-2.40	
		For >250 To 500, Deduct	-3.01	
		For >500, Deduct	-3.61	
05 05 23 00-0461	EA	1" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	24.70	
		For >100 To 250, Deduct	-2.40	
		For >250 To 500, Deduct	-3.01	
		For >500, Deduct	-3.61	
05 05 23 00-0462	EA	1" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	26.12	
		For >100 To 250, Deduct	-2.45	
		For >250 To 500, Deduct	-3.06	
		For >500, Deduct	-3.67	
05 05 23 00-0463	EA	1" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	26.47	
		For >100 To 250, Deduct	-2.45	
		For >250 To 500, Deduct	-3.06	
		For >500, Deduct	-3.67	
05 05 23 00-0464	EA	1" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	28.79	
		For >100 To 250, Deduct	-2.45	
		For >250 To 500, Deduct	-3.06	
		For >500, Deduct	-3.67	
05 05 23 00-0465	EA	1" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	30.51	
		For >100 To 250, Deduct	-2.49	
		For >250 To 500, Deduct	-3.12	
		For >500, Deduct	-3.74	
05 05 23 00-0466	EA	1" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	32.98	
		For >100 To 250, Deduct	-2.49	
		For >250 To 500, Deduct	-3.12	
		For >500, Deduct	-3.74	
05 05 23 00-0467	EA	1" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	33.69	
		For >100 To 250, Deduct	-2.49	
		For >250 To 500, Deduct	-3.12	
		For >500, Deduct	-3.74	
05 05 23 00-0468	EA	1" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	41.84	
		For >100 To 250, Deduct	-2.54	
		For >250 To 500, Deduct	-3.18	
		For >500, Deduct	-3.81	
05 05 23 00-0469	EA	1" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	42.46	
		For >100 To 250, Deduct	-2.54	
		For >250 To 500, Deduct	-3.18	
		For >500, Deduct	-3.81	
05 05 23 00-0470	EA	1" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	44.16	
		For >100 To 250, Deduct	-2.54	
		For >250 To 500, Deduct	-3.18	
		For >500, Deduct	-3.81	
05 05 23 00-0471	EA	1" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	45.32	
		For >100 To 250, Deduct	-2.54	
		For >250 To 500, Deduct	-3.18	
		For >500, Deduct	-3.81	

05 05 23 00-0472 Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0097)

05 05 23 00-0473 1/4" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)

05 05 23 00-0474	EA	1/4" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.31	
		For >100 To 250, Deduct	-1.62	
		For >250 To 500, Deduct	-2.02	
		For >500, Deduct	-2.43	
05 05 23 00-0475	EA	1/4" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.43	
		For >100 To 250, Deduct	-1.62	
		For >250 To 500, Deduct	-2.02	
		For >500, Deduct	-2.43	
05 05 23 00-0476	EA	1/4" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.49	
		For >100 To 250, Deduct	-1.62	
		For >250 To 500, Deduct	-2.02	
		For >500, Deduct	-2.43	
05 05 23 00-0477	EA	1/4" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.62	
		For >100 To 250, Deduct	-1.62	
		For >250 To 500, Deduct	-2.02	
		For >500, Deduct	-2.43	
05 05 23 00-0478	EA	1/4" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.93	
		For >100 To 250, Deduct	-1.66	
		For >250 To 500, Deduct	-2.08	
		For >500, Deduct	-2.50	
05 05 23 00-0479	EA	1/4" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.07	
		For >100 To 250, Deduct	-1.66	
		For >250 To 500, Deduct	-2.08	
		For >500, Deduct	-2.50	
05 05 23 00-0480	EA	1/4" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.20	
		For >100 To 250, Deduct	-1.66	
		For >250 To 500, Deduct	-2.08	
		For >500, Deduct	-2.50	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST

05 05 23 00-0481	EA		1/4" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.44	
			For >100 To 250, Deduct	-1.71	
			For >250 To 500, Deduct	-2.14	
			For >500, Deduct	-2.57	
05 05 23 00-0482	EA		1/4" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.82	
			For >100 To 250, Deduct	-1.71	
			For >250 To 500, Deduct	-2.14	
			For >500, Deduct	-2.57	
05 05 23 00-0483	EA		1/4" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.18	
			For >100 To 250, Deduct	-1.71	
			For >250 To 500, Deduct	-2.14	
			For >500, Deduct	-2.57	
05 05 23 00-0484	EA		1/4" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.60	
			For >100 To 250, Deduct	-1.76	
			For >250 To 500, Deduct	-2.20	
			For >500, Deduct	-2.63	
05 05 23 00-0485	EA		1/4" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.79	
			For >100 To 250, Deduct	-1.76	
			For >250 To 500, Deduct	-2.20	
			For >500, Deduct	-2.63	
05 05 23 00-0486	EA		1/4" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.04	
			For >100 To 250, Deduct	-1.76	
			For >250 To 500, Deduct	-2.20	
			For >500, Deduct	-2.63	
05 05 23 00-0487	EA		1/4" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.44	
			For >100 To 250, Deduct	-1.80	
			For >250 To 500, Deduct	-2.25	
			For >500, Deduct	-2.70	
05 05 23 00-0488	EA		1/4" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.91	
			For >100 To 250, Deduct	-1.80	
			For >250 To 500, Deduct	-2.25	
			For >500, Deduct	-2.70	
05 05 23 00-0489	EA		1/4" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.12	
			For >100 To 250, Deduct	-1.80	
			For >250 To 500, Deduct	-2.25	
			For >500, Deduct	-2.70	

05 05 23 00-0490 5/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)

05 05 23 00-0491	EA		5/16" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.42	
			For >100 To 250, Deduct	-1.62	
			For >250 To 500, Deduct	-2.02	
			For >500, Deduct	-2.43	
05 05 23 00-0492	EA		5/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.49	
			For >100 To 250, Deduct	-1.62	
			For >250 To 500, Deduct	-2.02	
			For >500, Deduct	-2.43	
05 05 23 00-0493	EA		5/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.72	
			For >100 To 250, Deduct	-1.62	
			For >250 To 500, Deduct	-2.02	
			For >500, Deduct	-2.43	
05 05 23 00-0494	EA		5/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.76	
			For >100 To 250, Deduct	-1.62	
			For >250 To 500, Deduct	-2.02	
			For >500, Deduct	-2.43	
05 05 23 00-0495	EA		5/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.12	
			For >100 To 250, Deduct	-1.66	
			For >250 To 500, Deduct	-2.08	
			For >500, Deduct	-2.50	
05 05 23 00-0496	EA		5/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.46	
			For >100 To 250, Deduct	-1.66	
			For >250 To 500, Deduct	-2.08	
			For >500, Deduct	-2.50	
05 05 23 00-0497	EA		5/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.56	
			For >100 To 250, Deduct	-1.66	
			For >250 To 500, Deduct	-2.08	
			For >500, Deduct	-2.50	
05 05 23 00-0498	EA		5/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.98	
			For >100 To 250, Deduct	-1.71	
			For >250 To 500, Deduct	-2.14	
			For >500, Deduct	-2.57	
05 05 23 00-0499	EA		5/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.20	
			For >100 To 250, Deduct	-1.71	
			For >250 To 500, Deduct	-2.14	
			For >500, Deduct	-2.57	
05 05 23 00-0500	EA		5/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.69	
			For >100 To 250, Deduct	-1.71	
			For >250 To 500, Deduct	-2.14	
			For >500, Deduct	-2.57	
05 05 23 00-0501	EA		5/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.21	
			For >100 To 250, Deduct	-1.76	
			For >250 To 500, Deduct	-2.20	
			For >500, Deduct	-2.63	
05 05 23 00-0502	EA		5/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.39	
			For >100 To 250, Deduct	-1.76	
			For >250 To 500, Deduct	-2.20	
			For >500, Deduct	-2.63	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
05 05 23 00-0503	EA	5/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.68		
		For >100 To 250, Deduct	-1.76		
		For >250 To 500, Deduct	-2.20		
		For >500, Deduct	-2.63		
05 05 23 00-0504	EA	5/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.11		
		For >100 To 250, Deduct	-1.80		
		For >250 To 500, Deduct	-2.25		
		For >500, Deduct	-2.70		
05 05 23 00-0505	EA	5/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.32		
		For >100 To 250, Deduct	-1.80		
		For >250 To 500, Deduct	-2.25		
		For >500, Deduct	-2.70		
05 05 23 00-0506	EA	5/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.73		
		For >100 To 250, Deduct	-1.80		
		For >250 To 500, Deduct	-2.25		
		For >500, Deduct	-2.70		
05 05 23 00-0507 3/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)					
05 05 23 00-0508	EA	3/8" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.66		
		For >100 To 250, Deduct	-1.62		
		For >250 To 500, Deduct	-2.02		
		For >500, Deduct	-2.43		
05 05 23 00-0509	EA	3/8" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.69		
		For >100 To 250, Deduct	-1.62		
		For >250 To 500, Deduct	-2.02		
		For >500, Deduct	-2.43		
05 05 23 00-0510	EA	3/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.70		
		For >100 To 250, Deduct	-1.62		
		For >250 To 500, Deduct	-2.02		
		For >500, Deduct	-2.43		
05 05 23 00-0511	EA	3/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.97		
		For >100 To 250, Deduct	-1.62		
		For >250 To 500, Deduct	-2.02		
		For >500, Deduct	-2.43		
05 05 23 00-0512	EA	3/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.35		
		For >100 To 250, Deduct	-1.66		
		For >250 To 500, Deduct	-2.08		
		For >500, Deduct	-2.50		
05 05 23 00-0513	EA	3/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.62		
		For >100 To 250, Deduct	-1.66		
		For >250 To 500, Deduct	-2.08		
		For >500, Deduct	-2.50		
05 05 23 00-0514	EA	3/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.86		
		For >100 To 250, Deduct	-1.66		
		For >250 To 500, Deduct	-2.08		
		For >500, Deduct	-2.50		
05 05 23 00-0515	EA	3/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.85		
		For >100 To 250, Deduct	-1.71		
		For >250 To 500, Deduct	-2.14		
		For >500, Deduct	-2.57		
05 05 23 00-0516	EA	3/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.16		
		For >100 To 250, Deduct	-1.71		
		For >250 To 500, Deduct	-2.14		
		For >500, Deduct	-2.57		
05 05 23 00-0517	EA	3/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.22		
		For >100 To 250, Deduct	-1.71		
		For >250 To 500, Deduct	-2.14		
		For >500, Deduct	-2.57		
05 05 23 00-0518	EA	3/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.57		
		For >100 To 250, Deduct	-1.76		
		For >250 To 500, Deduct	-2.20		
		For >500, Deduct	-2.63		
05 05 23 00-0519	EA	3/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.91		
		For >100 To 250, Deduct	-1.76		
		For >250 To 500, Deduct	-2.20		
		For >500, Deduct	-2.63		
05 05 23 00-0520	EA	3/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.40		
		For >100 To 250, Deduct	-1.76		
		For >250 To 500, Deduct	-2.20		
		For >500, Deduct	-2.63		
05 05 23 00-0521	EA	3/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.99		
		For >100 To 250, Deduct	-1.80		
		For >250 To 500, Deduct	-2.25		
		For >500, Deduct	-2.70		
05 05 23 00-0522	EA	3/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.66		
		For >100 To 250, Deduct	-1.80		
		For >250 To 500, Deduct	-2.25		
		For >500, Deduct	-2.70		
05 05 23 00-0523	EA	3/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.23		
		For >100 To 250, Deduct	-1.80		
		For >250 To 500, Deduct	-2.25		
		For >500, Deduct	-2.70		
05 05 23 00-0524 7/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)					
05 05 23 00-0525	EA	7/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.07		
		For >100 To 250, Deduct	-1.85		
		For >250 To 500, Deduct	-2.31		
		For >500, Deduct	-2.77		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST

05 05 23 00-0526	EA		7/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.11	
			For >100 To 250, Deduct	-1.85	
			For >250 To 500, Deduct	-2.31	
			For >500, Deduct	-2.77	
05 05 23 00-0527	EA		7/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.53	
			For >100 To 250, Deduct	-1.85	
			For >250 To 500, Deduct	-2.31	
			For >500, Deduct	-2.77	
05 05 23 00-0528	EA		7/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.80	
			For >100 To 250, Deduct	-1.89	
			For >250 To 500, Deduct	-2.37	
			For >500, Deduct	-2.84	
05 05 23 00-0529	EA		7/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.27	
			For >100 To 250, Deduct	-1.89	
			For >250 To 500, Deduct	-2.37	
			For >500, Deduct	-2.84	
05 05 23 00-0530	EA		7/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.53	
			For >100 To 250, Deduct	-1.89	
			For >250 To 500, Deduct	-2.37	
			For >500, Deduct	-2.84	
05 05 23 00-0531	EA		7/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.81	
			For >100 To 250, Deduct	-1.94	
			For >250 To 500, Deduct	-2.43	
			For >500, Deduct	-2.91	
05 05 23 00-0532	EA		7/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.86	
			For >100 To 250, Deduct	-1.94	
			For >250 To 500, Deduct	-2.43	
			For >500, Deduct	-2.91	
05 05 23 00-0533	EA		7/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.68	
			For >100 To 250, Deduct	-1.94	
			For >250 To 500, Deduct	-2.43	
			For >500, Deduct	-2.91	
05 05 23 00-0534	EA		7/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.47	
			For >100 To 250, Deduct	-1.99	
			For >250 To 500, Deduct	-2.49	
			For >500, Deduct	-2.98	
05 05 23 00-0535	EA		7/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.76	
			For >100 To 250, Deduct	-1.99	
			For >250 To 500, Deduct	-2.49	
			For >500, Deduct	-2.98	
05 05 23 00-0536	EA		7/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.19	
			For >100 To 250, Deduct	-1.99	
			For >250 To 500, Deduct	-2.49	
			For >500, Deduct	-2.98	
05 05 23 00-0537	EA		7/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.06	
			For >100 To 250, Deduct	-2.03	
			For >250 To 500, Deduct	-2.54	
			For >500, Deduct	-3.05	
05 05 23 00-0538	EA		7/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	17.45	
			For >100 To 250, Deduct	-2.03	
			For >250 To 500, Deduct	-2.54	
			For >500, Deduct	-3.05	
05 05 23 00-0539	EA		7/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	17.56	
			For >100 To 250, Deduct	-2.03	
			For >250 To 500, Deduct	-2.54	
			For >500, Deduct	-3.05	

05 05 23 00-0540 1/2" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)

05 05 23 00-0541	EA		1/2" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.34	
			For >100 To 250, Deduct	-1.85	
			For >250 To 500, Deduct	-2.31	
			For >500, Deduct	-2.77	
05 05 23 00-0542	EA		1/2" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.65	
			For >100 To 250, Deduct	-1.85	
			For >250 To 500, Deduct	-2.31	
			For >500, Deduct	-2.77	
05 05 23 00-0543	EA		1/2" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.84	
			For >100 To 250, Deduct	-1.85	
			For >250 To 500, Deduct	-2.31	
			For >500, Deduct	-2.77	
05 05 23 00-0544	EA		1/2" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.27	
			For >100 To 250, Deduct	-1.89	
			For >250 To 500, Deduct	-2.37	
			For >500, Deduct	-2.84	
05 05 23 00-0545	EA		1/2" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.61	
			For >100 To 250, Deduct	-1.89	
			For >250 To 500, Deduct	-2.37	
			For >500, Deduct	-2.84	
05 05 23 00-0546	EA		1/2" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.37	
			For >100 To 250, Deduct	-1.89	
			For >250 To 500, Deduct	-2.37	
			For >500, Deduct	-2.84	
05 05 23 00-0547	EA		1/2" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.13	
			For >100 To 250, Deduct	-1.94	
			For >250 To 500, Deduct	-2.43	
			For >500, Deduct	-2.91	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 05 23 00-0548	EA 1/2" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.58	
	For >100 To 250, Deduct	-1.94	
	For >250 To 500, Deduct	-2.43	
	For >500, Deduct	-2.91	
05 05 23 00-0549	EA 1/2" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.90	
	For >100 To 250, Deduct	-1.94	
	For >250 To 500, Deduct	-2.43	
	For >500, Deduct	-2.91	
05 05 23 00-0550	EA 1/2" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.69	
	For >100 To 250, Deduct	-1.99	
	For >250 To 500, Deduct	-2.49	
	For >500, Deduct	-2.98	
05 05 23 00-0551	EA 1/2" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.65	
	For >100 To 250, Deduct	-1.99	
	For >250 To 500, Deduct	-2.49	
	For >500, Deduct	-2.98	
05 05 23 00-0552	EA 1/2" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.53	
	For >100 To 250, Deduct	-1.99	
	For >250 To 500, Deduct	-2.49	
	For >500, Deduct	-2.98	
05 05 23 00-0553	EA 1/2" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	17.53	
	For >100 To 250, Deduct	-2.03	
	For >250 To 500, Deduct	-2.54	
	For >500, Deduct	-3.05	
05 05 23 00-0554	EA 1/2" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	17.92	
	For >100 To 250, Deduct	-2.03	
	For >250 To 500, Deduct	-2.54	
	For >500, Deduct	-3.05	
05 05 23 00-0555	EA 1/2" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	19.02	
	For >100 To 250, Deduct	-2.03	
	For >250 To 500, Deduct	-2.54	
	For >500, Deduct	-3.05	
05 05 23 00-0556	EA 1/2" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	21.08	
	For >100 To 250, Deduct	-2.08	
	For >250 To 500, Deduct	-2.60	
	For >500, Deduct	-3.12	
05 05 23 00-0557	EA 1/2" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	21.88	
	For >100 To 250, Deduct	-2.08	
	For >250 To 500, Deduct	-2.60	
	For >500, Deduct	-3.12	
05 05 23 00-0558	EA 1/2" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	22.29	
	For >100 To 250, Deduct	-2.08	
	For >250 To 500, Deduct	-2.60	
	For >500, Deduct	-3.12	
05 05 23 00-0559	EA 1/2" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	24.26	
	For >100 To 250, Deduct	-2.08	
	For >250 To 500, Deduct	-2.60	
	For >500, Deduct	-3.12	

05 05 23 00-0560 9/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts
(05 05 23 00-0472)

05 05 23 00-0561	EA 9/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.63	
	For >100 To 250, Deduct	-1.85	
	For >250 To 500, Deduct	-2.31	
	For >500, Deduct	-2.77	
05 05 23 00-0562	EA 9/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.81	
	For >100 To 250, Deduct	-1.85	
	For >250 To 500, Deduct	-2.31	
	For >500, Deduct	-2.77	
05 05 23 00-0563	EA 9/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.24	
	For >100 To 250, Deduct	-1.85	
	For >250 To 500, Deduct	-2.31	
	For >500, Deduct	-2.77	
05 05 23 00-0564	EA 9/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.10	
	For >100 To 250, Deduct	-1.89	
	For >250 To 500, Deduct	-2.37	
	For >500, Deduct	-2.84	
05 05 23 00-0565	EA 9/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.25	
	For >100 To 250, Deduct	-1.89	
	For >250 To 500, Deduct	-2.37	
	For >500, Deduct	-2.84	
05 05 23 00-0566	EA 9/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.87	
	For >100 To 250, Deduct	-1.89	
	For >250 To 500, Deduct	-2.37	
	For >500, Deduct	-2.84	
05 05 23 00-0567	EA 9/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.52	
	For >100 To 250, Deduct	-1.94	
	For >250 To 500, Deduct	-2.43	
	For >500, Deduct	-2.91	
05 05 23 00-0568	EA 9/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.56	
	For >100 To 250, Deduct	-1.94	
	For >250 To 500, Deduct	-2.43	
	For >500, Deduct	-2.91	
05 05 23 00-0569	EA 9/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.96	
	For >100 To 250, Deduct	-1.94	
	For >250 To 500, Deduct	-2.43	
	For >500, Deduct	-2.91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST

05 05 23 00-0570	EA		9/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.52	
			For >100 To 250, Deduct	-1.99	
			For >250 To 500, Deduct	-2.49	
			For >500, Deduct	-2.98	
05 05 23 00-0571	EA		9/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	17.40	
			For >100 To 250, Deduct	-1.99	
			For >250 To 500, Deduct	-2.49	
			For >500, Deduct	-2.98	
05 05 23 00-0572	EA		9/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	20.75	
			For >100 To 250, Deduct	-1.99	
			For >250 To 500, Deduct	-2.49	
			For >500, Deduct	-2.98	
05 05 23 00-0573	EA		9/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	24.90	
			For >100 To 250, Deduct	-2.03	
			For >250 To 500, Deduct	-2.54	
			For >500, Deduct	-3.05	
05 05 23 00-0574	EA		9/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	29.74	
			For >100 To 250, Deduct	-2.03	
			For >250 To 500, Deduct	-2.54	
			For >500, Deduct	-3.05	
05 05 23 00-0575	EA		9/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	35.00	
			For >100 To 250, Deduct	-2.03	
			For >250 To 500, Deduct	-2.54	
			For >500, Deduct	-3.05	
05 05 23 00-0576 5/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)					
05 05 23 00-0577	EA		5/8" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.45	
			For >100 To 250, Deduct	-2.08	
			For >250 To 500, Deduct	-2.60	
			For >500, Deduct	-3.12	
05 05 23 00-0578	EA		5/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.63	
			For >100 To 250, Deduct	-2.08	
			For >250 To 500, Deduct	-2.60	
			For >500, Deduct	-3.12	
05 05 23 00-0579	EA		5/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.10	
			For >100 To 250, Deduct	-2.08	
			For >250 To 500, Deduct	-2.60	
			For >500, Deduct	-3.12	
05 05 23 00-0580	EA		5/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.02	
			For >100 To 250, Deduct	-2.13	
			For >250 To 500, Deduct	-2.66	
			For >500, Deduct	-3.19	
05 05 23 00-0581	EA		5/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.58	
			For >100 To 250, Deduct	-2.13	
			For >250 To 500, Deduct	-2.66	
			For >500, Deduct	-3.19	
05 05 23 00-0582	EA		5/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.89	
			For >100 To 250, Deduct	-2.13	
			For >250 To 500, Deduct	-2.66	
			For >500, Deduct	-3.19	
05 05 23 00-0583	EA		5/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.33	
			For >100 To 250, Deduct	-2.17	
			For >250 To 500, Deduct	-2.72	
			For >500, Deduct	-3.26	
05 05 23 00-0584	EA		5/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.34	
			For >100 To 250, Deduct	-2.17	
			For >250 To 500, Deduct	-2.72	
			For >500, Deduct	-3.26	
05 05 23 00-0585	EA		5/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.78	
			For >100 To 250, Deduct	-2.17	
			For >250 To 500, Deduct	-2.72	
			For >500, Deduct	-3.26	
05 05 23 00-0586	EA		5/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	17.49	
			For >100 To 250, Deduct	-2.22	
			For >250 To 500, Deduct	-2.77	
			For >500, Deduct	-3.33	
05 05 23 00-0587	EA		5/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	17.96	
			For >100 To 250, Deduct	-2.22	
			For >250 To 500, Deduct	-2.77	
			For >500, Deduct	-3.33	
05 05 23 00-0588	EA		5/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	18.95	
			For >100 To 250, Deduct	-2.22	
			For >250 To 500, Deduct	-2.77	
			For >500, Deduct	-3.33	
05 05 23 00-0589	EA		5/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	21.53	
			For >100 To 250, Deduct	-2.26	
			For >250 To 500, Deduct	-2.83	
			For >500, Deduct	-3.40	
05 05 23 00-0590	EA		5/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	22.66	
			For >100 To 250, Deduct	-2.26	
			For >250 To 500, Deduct	-2.83	
			For >500, Deduct	-3.40	
05 05 23 00-0591	EA		5/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	23.13	
			For >100 To 250, Deduct	-2.26	
			For >250 To 500, Deduct	-2.83	
			For >500, Deduct	-3.40	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 05 23 00-0592	EA	5/8" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	25.36	
		For >100 To 250, Deduct	-2.31	
		For >250 To 500, Deduct	-2.89	
		For >500, Deduct	-3.47	
05 05 23 00-0593	EA	5/8" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	27.58	
		For >100 To 250, Deduct	-2.31	
		For >250 To 500, Deduct	-2.89	
		For >500, Deduct	-3.47	
05 05 23 00-0594	EA	5/8" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	27.75	
		For >100 To 250, Deduct	-2.31	
		For >250 To 500, Deduct	-2.89	
		For >500, Deduct	-3.47	
05 05 23 00-0595	EA	5/8" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	29.81	
		For >100 To 250, Deduct	-2.31	
		For >250 To 500, Deduct	-2.89	
		For >500, Deduct	-3.47	

05 05 23 00-0596 3/4" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)

05 05 23 00-0597	EA	3/4" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.50	
		For >100 To 250, Deduct	-2.08	
		For >250 To 500, Deduct	-2.60	
		For >500, Deduct	-3.12	
05 05 23 00-0598	EA	3/4" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.70	
		For >100 To 250, Deduct	-2.08	
		For >250 To 500, Deduct	-2.60	
		For >500, Deduct	-3.12	
05 05 23 00-0599	EA	3/4" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.83	
		For >100 To 250, Deduct	-2.08	
		For >250 To 500, Deduct	-2.60	
		For >500, Deduct	-3.12	
05 05 23 00-0600	EA	3/4" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.35	
		For >100 To 250, Deduct	-2.13	
		For >250 To 500, Deduct	-2.66	
		For >500, Deduct	-3.19	
05 05 23 00-0601	EA	3/4" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.77	
		For >100 To 250, Deduct	-2.13	
		For >250 To 500, Deduct	-2.66	
		For >500, Deduct	-3.19	
05 05 23 00-0602	EA	3/4" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.97	
		For >100 To 250, Deduct	-2.13	
		For >250 To 500, Deduct	-2.66	
		For >500, Deduct	-3.19	
05 05 23 00-0603	EA	3/4" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.71	
		For >100 To 250, Deduct	-2.17	
		For >250 To 500, Deduct	-2.72	
		For >500, Deduct	-3.26	
05 05 23 00-0604	EA	3/4" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.81	
		For >100 To 250, Deduct	-2.17	
		For >250 To 500, Deduct	-2.72	
		For >500, Deduct	-3.26	
05 05 23 00-0605	EA	3/4" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	18.45	
		For >100 To 250, Deduct	-2.17	
		For >250 To 500, Deduct	-2.72	
		For >500, Deduct	-3.26	
05 05 23 00-0606	EA	3/4" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	19.27	
		For >100 To 250, Deduct	-2.22	
		For >250 To 500, Deduct	-2.77	
		For >500, Deduct	-3.33	
05 05 23 00-0607	EA	3/4" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	20.13	
		For >100 To 250, Deduct	-2.22	
		For >250 To 500, Deduct	-2.77	
		For >500, Deduct	-3.33	
05 05 23 00-0608	EA	3/4" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	21.73	
		For >100 To 250, Deduct	-2.22	
		For >250 To 500, Deduct	-2.77	
		For >500, Deduct	-3.33	
05 05 23 00-0609	EA	3/4" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	23.91	
		For >100 To 250, Deduct	-2.26	
		For >250 To 500, Deduct	-2.83	
		For >500, Deduct	-3.40	
05 05 23 00-0610	EA	3/4" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	24.77	
		For >100 To 250, Deduct	-2.26	
		For >250 To 500, Deduct	-2.83	
		For >500, Deduct	-3.40	
05 05 23 00-0611	EA	3/4" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	25.21	
		For >100 To 250, Deduct	-2.26	
		For >250 To 500, Deduct	-2.83	
		For >500, Deduct	-3.40	
05 05 23 00-0612	EA	3/4" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	27.55	
		For >100 To 250, Deduct	-2.31	
		For >250 To 500, Deduct	-2.89	
		For >500, Deduct	-3.47	
05 05 23 00-0613	EA	3/4" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	29.10	
		For >100 To 250, Deduct	-2.31	
		For >250 To 500, Deduct	-2.89	
		For >500, Deduct	-3.47	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0614	EA	3/4" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	30.22	
		For >100 To 250, Deduct	-2.31	
		For >250 To 500, Deduct	-2.89	
		For >500, Deduct	-3.47	
05 05 23 00-0615	EA	3/4" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	30.63	
		For >100 To 250, Deduct	-2.31	
		For >250 To 500, Deduct	-2.89	
		For >500, Deduct	-3.47	
05 05 23 00-0616		7/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)		
05 05 23 00-0617	EA	7/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	17.55	
		For >100 To 250, Deduct	-2.31	
		For >250 To 500, Deduct	-2.89	
		For >500, Deduct	-3.47	
05 05 23 00-0618	EA	7/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	18.08	
		For >100 To 250, Deduct	-2.31	
		For >250 To 500, Deduct	-2.89	
		For >500, Deduct	-3.47	
05 05 23 00-0619	EA	7/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	19.10	
		For >100 To 250, Deduct	-2.36	
		For >250 To 500, Deduct	-2.95	
		For >500, Deduct	-3.54	
05 05 23 00-0620	EA	7/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	20.69	
		For >100 To 250, Deduct	-2.36	
		For >250 To 500, Deduct	-2.95	
		For >500, Deduct	-3.54	
05 05 23 00-0621	EA	7/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	20.87	
		For >100 To 250, Deduct	-2.36	
		For >250 To 500, Deduct	-2.95	
		For >500, Deduct	-3.54	
05 05 23 00-0622	EA	7/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	21.44	
		For >100 To 250, Deduct	-2.40	
		For >250 To 500, Deduct	-3.01	
		For >500, Deduct	-3.61	
05 05 23 00-0623	EA	7/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	25.27	
		For >100 To 250, Deduct	-2.40	
		For >250 To 500, Deduct	-3.01	
		For >500, Deduct	-3.61	
05 05 23 00-0624	EA	7/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	26.25	
		For >100 To 250, Deduct	-2.40	
		For >250 To 500, Deduct	-3.01	
		For >500, Deduct	-3.61	
05 05 23 00-0625	EA	7/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	28.74	
		For >100 To 250, Deduct	-2.45	
		For >250 To 500, Deduct	-3.06	
		For >500, Deduct	-3.67	
05 05 23 00-0626	EA	7/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	30.18	
		For >100 To 250, Deduct	-2.45	
		For >250 To 500, Deduct	-3.06	
		For >500, Deduct	-3.67	
05 05 23 00-0627	EA	7/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	33.88	
		For >100 To 250, Deduct	-2.45	
		For >250 To 500, Deduct	-3.06	
		For >500, Deduct	-3.67	
05 05 23 00-0628	EA	7/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	35.35	
		For >100 To 250, Deduct	-2.49	
		For >250 To 500, Deduct	-3.12	
		For >500, Deduct	-3.74	
05 05 23 00-0629	EA	7/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	39.17	
		For >100 To 250, Deduct	-2.49	
		For >250 To 500, Deduct	-3.12	
		For >500, Deduct	-3.74	
05 05 23 00-0630	EA	7/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	40.71	
		For >100 To 250, Deduct	-2.49	
		For >250 To 500, Deduct	-3.12	
		For >500, Deduct	-3.74	
05 05 23 00-0631	EA	7/8" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	42.17	
		For >100 To 250, Deduct	-2.54	
		For >250 To 500, Deduct	-3.18	
		For >500, Deduct	-3.81	
05 05 23 00-0632	EA	7/8" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	42.62	
		For >100 To 250, Deduct	-2.54	
		For >250 To 500, Deduct	-3.18	
		For >500, Deduct	-3.81	
05 05 23 00-0633	EA	7/8" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	43.00	
		For >100 To 250, Deduct	-2.54	
		For >250 To 500, Deduct	-3.18	
		For >500, Deduct	-3.81	
05 05 23 00-0634	EA	7/8" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	43.91	
		For >100 To 250, Deduct	-2.54	
		For >250 To 500, Deduct	-3.18	
		For >500, Deduct	-3.81	
05 05 23 00-0635		1" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)		
05 05 23 00-0636	EA	1" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	19.06	
		For >100 To 250, Deduct	-2.31	
		For >250 To 500, Deduct	-2.89	
		For >500, Deduct	-3.47	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 05 23 00-0637	EA 1" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	20.39	
	For >100 To 250, Deduct	-2.31	
	For >250 To 500, Deduct	-2.89	
	For >500, Deduct	-3.47	
05 05 23 00-0638	EA 1" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	21.21	
	For >100 To 250, Deduct	-2.36	
	For >250 To 500, Deduct	-2.95	
	For >500, Deduct	-3.54	
05 05 23 00-0639	EA 1" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	22.20	
	For >100 To 250, Deduct	-2.36	
	For >250 To 500, Deduct	-2.95	
	For >500, Deduct	-3.54	
05 05 23 00-0640	EA 1" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	24.06	
	For >100 To 250, Deduct	-2.36	
	For >250 To 500, Deduct	-2.95	
	For >500, Deduct	-3.54	
05 05 23 00-0641	EA 1" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	24.78	
	For >100 To 250, Deduct	-2.40	
	For >250 To 500, Deduct	-3.01	
	For >500, Deduct	-3.61	
05 05 23 00-0642	EA 1" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	26.38	
	For >100 To 250, Deduct	-2.40	
	For >250 To 500, Deduct	-3.01	
	For >500, Deduct	-3.61	
05 05 23 00-0643	EA 1" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	28.52	
	For >100 To 250, Deduct	-2.40	
	For >250 To 500, Deduct	-3.01	
	For >500, Deduct	-3.61	
05 05 23 00-0644	EA 1" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	29.75	
	For >100 To 250, Deduct	-2.45	
	For >250 To 500, Deduct	-3.06	
	For >500, Deduct	-3.67	
05 05 23 00-0645	EA 1" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	30.65	
	For >100 To 250, Deduct	-2.45	
	For >250 To 500, Deduct	-3.06	
	For >500, Deduct	-3.67	
05 05 23 00-0646	EA 1" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	35.12	
	For >100 To 250, Deduct	-2.45	
	For >250 To 500, Deduct	-3.06	
	For >500, Deduct	-3.67	
05 05 23 00-0647	EA 1" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	36.04	
	For >100 To 250, Deduct	-2.49	
	For >250 To 500, Deduct	-3.12	
	For >500, Deduct	-3.74	
05 05 23 00-0648	EA 1" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	41.09	
	For >100 To 250, Deduct	-2.49	
	For >250 To 500, Deduct	-3.12	
	For >500, Deduct	-3.74	
05 05 23 00-0649	EA 1" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	41.96	
	For >100 To 250, Deduct	-2.49	
	For >250 To 500, Deduct	-3.12	
	For >500, Deduct	-3.74	
05 05 23 00-0650	EA 1" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	44.88	
	For >100 To 250, Deduct	-2.54	
	For >250 To 500, Deduct	-3.18	
	For >500, Deduct	-3.81	
05 05 23 00-0651	EA 1" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	46.34	
	For >100 To 250, Deduct	-2.54	
	For >250 To 500, Deduct	-3.18	
	For >500, Deduct	-3.81	
05 05 23 00-0652	EA 1" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	50.19	
	For >100 To 250, Deduct	-2.54	
	For >250 To 500, Deduct	-3.18	
	For >500, Deduct	-3.81	
05 05 23 00-0653	EA 1" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	52.54	
	For >100 To 250, Deduct	-2.54	
	For >250 To 500, Deduct	-3.18	
	For >500, Deduct	-3.81	

05 05 23 00-0654 Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0097)

05 05 23 00-0655 1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0654)

05 05 23 00-0656	EA 1/4" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.47	
	For >100 To 250, Deduct	-1.62	
	For >250 To 500, Deduct	-2.02	
	For >500, Deduct	-2.43	
05 05 23 00-0657	EA 1/4" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.49	
	For >100 To 250, Deduct	-1.62	
	For >250 To 500, Deduct	-2.02	
	For >500, Deduct	-2.43	
05 05 23 00-0658	EA 1/4" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.51	
	For >100 To 250, Deduct	-1.62	
	For >250 To 500, Deduct	-2.02	
	For >500, Deduct	-2.43	
05 05 23 00-0659	EA 1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.79	
	For >100 To 250, Deduct	-1.62	
	For >250 To 500, Deduct	-2.02	
	For >500, Deduct	-2.43	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0660	EA	1/4" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.15	
		For >100 To 250, Deduct	-1.66	
		For >250 To 500, Deduct	-2.08	
		For >500, Deduct	-2.50	
05 05 23 00-0661	EA	1/4" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.31	
		For >100 To 250, Deduct	-1.66	
		For >250 To 500, Deduct	-2.08	
		For >500, Deduct	-2.50	
05 05 23 00-0662	EA	1/4" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.38	
		For >100 To 250, Deduct	-1.66	
		For >250 To 500, Deduct	-2.08	
		For >500, Deduct	-2.50	
05 05 23 00-0663	EA	1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.63	
		For >100 To 250, Deduct	-1.71	
		For >250 To 500, Deduct	-2.14	
		For >500, Deduct	-2.57	
05 05 23 00-0664	EA	1/4" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.82	
		For >100 To 250, Deduct	-1.71	
		For >250 To 500, Deduct	-2.14	
		For >500, Deduct	-2.57	
05 05 23 00-0665	EA	1/4" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.87	
		For >100 To 250, Deduct	-1.71	
		For >250 To 500, Deduct	-2.14	
		For >500, Deduct	-2.57	
05 05 23 00-0666	EA	1/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.23	
		For >100 To 250, Deduct	-1.76	
		For >250 To 500, Deduct	-2.20	
		For >500, Deduct	-2.63	
05 05 23 00-0667	EA	1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.40	
		For >100 To 250, Deduct	-1.76	
		For >250 To 500, Deduct	-2.20	
		For >500, Deduct	-2.63	
05 05 23 00-0668	EA	1/4" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.46	
		For >100 To 250, Deduct	-1.76	
		For >250 To 500, Deduct	-2.20	
		For >500, Deduct	-2.63	
05 05 23 00-0669	EA	1/4" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.84	
		For >100 To 250, Deduct	-1.80	
		For >250 To 500, Deduct	-2.25	
		For >500, Deduct	-2.70	
05 05 23 00-0670	EA	1/4" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.30	
		For >100 To 250, Deduct	-1.80	
		For >250 To 500, Deduct	-2.25	
		For >500, Deduct	-2.70	
05 05 23 00-0671	EA	1/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.88	
		For >100 To 250, Deduct	-1.80	
		For >250 To 500, Deduct	-2.25	
		For >500, Deduct	-2.70	
05 05 23 00-0672		5/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0654)		
05 05 23 00-0673	EA	5/16" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.35	
		For >100 To 250, Deduct	-1.62	
		For >250 To 500, Deduct	-2.02	
		For >500, Deduct	-2.43	
05 05 23 00-0674	EA	5/16" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.87	
		For >100 To 250, Deduct	-1.62	
		For >250 To 500, Deduct	-2.02	
		For >500, Deduct	-2.43	
05 05 23 00-0675	EA	5/16" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.92	
		For >100 To 250, Deduct	-1.62	
		For >250 To 500, Deduct	-2.02	
		For >500, Deduct	-2.43	
05 05 23 00-0676	EA	5/16" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.94	
		For >100 To 250, Deduct	-1.62	
		For >250 To 500, Deduct	-2.02	
		For >500, Deduct	-2.43	
05 05 23 00-0677	EA	5/16" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.41	
		For >100 To 250, Deduct	-1.66	
		For >250 To 500, Deduct	-2.08	
		For >500, Deduct	-2.50	
05 05 23 00-0678	EA	5/16" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.91	
		For >100 To 250, Deduct	-1.66	
		For >250 To 500, Deduct	-2.08	
		For >500, Deduct	-2.50	
05 05 23 00-0679	EA	5/16" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.00	
		For >100 To 250, Deduct	-1.66	
		For >250 To 500, Deduct	-2.08	
		For >500, Deduct	-2.50	
05 05 23 00-0680	EA	5/16" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.37	
		For >100 To 250, Deduct	-1.71	
		For >250 To 500, Deduct	-2.14	
		For >500, Deduct	-2.57	
05 05 23 00-0681	EA	5/16" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.41	
		For >100 To 250, Deduct	-1.71	
		For >250 To 500, Deduct	-2.14	
		For >500, Deduct	-2.57	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 05 23 00-0682	EA	5/16" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.81	
		For >100 To 250, Deduct	-1.71	
		For >250 To 500, Deduct	-2.14	
		For >500, Deduct	-2.57	
05 05 23 00-0683	EA	5/16" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.15	
		For >100 To 250, Deduct	-1.76	
		For >250 To 500, Deduct	-2.20	
		For >500, Deduct	-2.63	
05 05 23 00-0684	EA	5/16" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.30	
		For >100 To 250, Deduct	-1.76	
		For >250 To 500, Deduct	-2.20	
		For >500, Deduct	-2.63	
05 05 23 00-0685	EA	5/16" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.68	
		For >100 To 250, Deduct	-1.76	
		For >250 To 500, Deduct	-2.20	
		For >500, Deduct	-2.63	
05 05 23 00-0686	EA	5/16" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.67	
		For >100 To 250, Deduct	-1.80	
		For >250 To 500, Deduct	-2.25	
		For >500, Deduct	-2.70	
05 05 23 00-0687	EA	5/16" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.28	
		For >100 To 250, Deduct	-1.80	
		For >250 To 500, Deduct	-2.25	
		For >500, Deduct	-2.70	
05 05 23 00-0688	EA	5/16" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.85	
		For >100 To 250, Deduct	-1.80	
		For >250 To 500, Deduct	-2.25	
		For >500, Deduct	-2.70	

05 05 23 00-0689 3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts

(05 05 23 00-0654)

05 05 23 00-0690	EA	3/8" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.51	
		For >100 To 250, Deduct	-1.62	
		For >250 To 500, Deduct	-2.02	
		For >500, Deduct	-2.43	
05 05 23 00-0691	EA	3/8" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.63	
		For >100 To 250, Deduct	-1.62	
		For >250 To 500, Deduct	-2.02	
		For >500, Deduct	-2.43	
05 05 23 00-0692	EA	3/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.76	
		For >100 To 250, Deduct	-1.62	
		For >250 To 500, Deduct	-2.02	
		For >500, Deduct	-2.43	
05 05 23 00-0693	EA	3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.08	
		For >100 To 250, Deduct	-1.62	
		For >250 To 500, Deduct	-2.02	
		For >500, Deduct	-2.43	
05 05 23 00-0694	EA	3/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.45	
		For >100 To 250, Deduct	-1.66	
		For >250 To 500, Deduct	-2.08	
		For >500, Deduct	-2.50	
05 05 23 00-0695	EA	3/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.72	
		For >100 To 250, Deduct	-1.66	
		For >250 To 500, Deduct	-2.08	
		For >500, Deduct	-2.50	
05 05 23 00-0696	EA	3/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.91	
		For >100 To 250, Deduct	-1.66	
		For >250 To 500, Deduct	-2.08	
		For >500, Deduct	-2.50	
05 05 23 00-0697	EA	3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.40	
		For >100 To 250, Deduct	-1.71	
		For >250 To 500, Deduct	-2.14	
		For >500, Deduct	-2.57	
05 05 23 00-0698	EA	3/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.53	
		For >100 To 250, Deduct	-1.71	
		For >250 To 500, Deduct	-2.14	
		For >500, Deduct	-2.57	
05 05 23 00-0699	EA	3/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.85	
		For >100 To 250, Deduct	-1.71	
		For >250 To 500, Deduct	-2.14	
		For >500, Deduct	-2.57	
05 05 23 00-0700	EA	3/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.22	
		For >100 To 250, Deduct	-1.76	
		For >250 To 500, Deduct	-2.20	
		For >500, Deduct	-2.63	
05 05 23 00-0701	EA	3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.66	
		For >100 To 250, Deduct	-1.76	
		For >250 To 500, Deduct	-2.20	
		For >500, Deduct	-2.63	
05 05 23 00-0702	EA	3/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.74	
		For >100 To 250, Deduct	-1.76	
		For >250 To 500, Deduct	-2.20	
		For >500, Deduct	-2.63	
05 05 23 00-0703	EA	3/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.00	
		For >100 To 250, Deduct	-1.80	
		For >250 To 500, Deduct	-2.25	
		For >500, Deduct	-2.70	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0704	EA	3/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.05	
		For >100 To 250, Deduct	-1.80	
		For >250 To 500, Deduct	-2.25	
		For >500, Deduct	-2.70	
05 05 23 00-0705	EA	3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.57	
		For >100 To 250, Deduct	-1.80	
		For >250 To 500, Deduct	-2.25	
		For >500, Deduct	-2.70	
05 05 23 00-0706 7/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0654)				
05 05 23 00-0707	EA	7/16" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.45	
		For >100 To 250, Deduct	-1.85	
		For >250 To 500, Deduct	-2.31	
		For >500, Deduct	-2.77	
05 05 23 00-0708	EA	7/16" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.03	
		For >100 To 250, Deduct	-1.85	
		For >250 To 500, Deduct	-2.31	
		For >500, Deduct	-2.77	
05 05 23 00-0709	EA	7/16" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.47	
		For >100 To 250, Deduct	-1.85	
		For >250 To 500, Deduct	-2.31	
		For >500, Deduct	-2.77	
05 05 23 00-0710	EA	7/16" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.45	
		For >100 To 250, Deduct	-1.89	
		For >250 To 500, Deduct	-2.37	
		For >500, Deduct	-2.84	
05 05 23 00-0711	EA	7/16" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.48	
		For >100 To 250, Deduct	-1.89	
		For >250 To 500, Deduct	-2.37	
		For >500, Deduct	-2.84	
05 05 23 00-0712	EA	7/16" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.52	
		For >100 To 250, Deduct	-1.89	
		For >250 To 500, Deduct	-2.37	
		For >500, Deduct	-2.84	
05 05 23 00-0713	EA	7/16" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.12	
		For >100 To 250, Deduct	-1.94	
		For >250 To 500, Deduct	-2.43	
		For >500, Deduct	-2.91	
05 05 23 00-0714	EA	7/16" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.53	
		For >100 To 250, Deduct	-1.94	
		For >250 To 500, Deduct	-2.43	
		For >500, Deduct	-2.91	
05 05 23 00-0715	EA	7/16" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.90	
		For >100 To 250, Deduct	-1.94	
		For >250 To 500, Deduct	-2.43	
		For >500, Deduct	-2.91	
05 05 23 00-0716	EA	7/16" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.55	
		For >100 To 250, Deduct	-1.99	
		For >250 To 500, Deduct	-2.49	
		For >500, Deduct	-2.98	
05 05 23 00-0717	EA	7/16" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.98	
		For >100 To 250, Deduct	-1.99	
		For >250 To 500, Deduct	-2.49	
		For >500, Deduct	-2.98	
05 05 23 00-0718 1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0654)				
05 05 23 00-0719	EA	1/2" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.20	
		For >100 To 250, Deduct	-1.85	
		For >250 To 500, Deduct	-2.31	
		For >500, Deduct	-2.77	
05 05 23 00-0720	EA	1/2" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.39	
		For >100 To 250, Deduct	-1.85	
		For >250 To 500, Deduct	-2.31	
		For >500, Deduct	-2.77	
05 05 23 00-0721	EA	1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.76	
		For >100 To 250, Deduct	-1.85	
		For >250 To 500, Deduct	-2.31	
		For >500, Deduct	-2.77	
05 05 23 00-0722	EA	1/2" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.42	
		For >100 To 250, Deduct	-1.89	
		For >250 To 500, Deduct	-2.37	
		For >500, Deduct	-2.84	
05 05 23 00-0723	EA	1/2" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.71	
		For >100 To 250, Deduct	-1.89	
		For >250 To 500, Deduct	-2.37	
		For >500, Deduct	-2.84	
05 05 23 00-0724	EA	1/2" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.25	
		For >100 To 250, Deduct	-1.89	
		For >250 To 500, Deduct	-2.37	
		For >500, Deduct	-2.84	
05 05 23 00-0725	EA	1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.57	
		For >100 To 250, Deduct	-1.94	
		For >250 To 500, Deduct	-2.43	
		For >500, Deduct	-2.91	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 05 23 00-0726	EA 1/2" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.77	
	For >100 To 250, Deduct	-1.94	
	For >250 To 500, Deduct	-2.43	
	For >500, Deduct	-2.91	
05 05 23 00-0727	EA 1/2" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.20	
	For >100 To 250, Deduct	-1.94	
	For >250 To 500, Deduct	-2.43	
	For >500, Deduct	-2.91	
05 05 23 00-0728	EA 1/2" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.63	
	For >100 To 250, Deduct	-1.99	
	For >250 To 500, Deduct	-2.49	
	For >500, Deduct	-2.98	
05 05 23 00-0729	EA 1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.11	
	For >100 To 250, Deduct	-1.99	
	For >250 To 500, Deduct	-2.49	
	For >500, Deduct	-2.98	
05 05 23 00-0730	EA 1/2" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.15	
	For >100 To 250, Deduct	-1.99	
	For >250 To 500, Deduct	-2.49	
	For >500, Deduct	-2.98	
05 05 23 00-0731	EA 1/2" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.47	
	For >100 To 250, Deduct	-2.03	
	For >250 To 500, Deduct	-2.54	
	For >500, Deduct	-3.05	
05 05 23 00-0732	EA 1/2" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.60	
	For >100 To 250, Deduct	-2.03	
	For >250 To 500, Deduct	-2.54	
	For >500, Deduct	-3.05	
05 05 23 00-0733	EA 1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.96	
	For >100 To 250, Deduct	-2.03	
	For >250 To 500, Deduct	-2.54	
	For >500, Deduct	-3.05	
05 05 23 00-0734	EA 1/2" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.90	
	For >100 To 250, Deduct	-2.08	
	For >250 To 500, Deduct	-2.60	
	For >500, Deduct	-3.12	
05 05 23 00-0735	EA 1/2" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.19	
	For >100 To 250, Deduct	-2.08	
	For >250 To 500, Deduct	-2.60	
	For >500, Deduct	-3.12	
05 05 23 00-0736	EA 1/2" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.25	
	For >100 To 250, Deduct	-2.08	
	For >250 To 500, Deduct	-2.60	
	For >500, Deduct	-3.12	
05 05 23 00-0737	EA 1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.42	
	For >100 To 250, Deduct	-2.08	
	For >250 To 500, Deduct	-2.60	
	For >500, Deduct	-3.12	

05 05 23 00-0738 5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts

(05 05 23 00-0654)

05 05 23 00-0739	EA 5/8" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.03	
	For >100 To 250, Deduct	-2.08	
	For >250 To 500, Deduct	-2.60	
	For >500, Deduct	-3.12	
05 05 23 00-0740	EA 5/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.32	
	For >100 To 250, Deduct	-2.08	
	For >250 To 500, Deduct	-2.60	
	For >500, Deduct	-3.12	
05 05 23 00-0741	EA 5/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.52	
	For >100 To 250, Deduct	-2.08	
	For >250 To 500, Deduct	-2.60	
	For >500, Deduct	-3.12	
05 05 23 00-0742	EA 5/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.07	
	For >100 To 250, Deduct	-2.13	
	For >250 To 500, Deduct	-2.66	
	For >500, Deduct	-3.19	
05 05 23 00-0743	EA 5/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.50	
	For >100 To 250, Deduct	-2.13	
	For >250 To 500, Deduct	-2.66	
	For >500, Deduct	-3.19	
05 05 23 00-0744	EA 5/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.45	
	For >100 To 250, Deduct	-2.13	
	For >250 To 500, Deduct	-2.66	
	For >500, Deduct	-3.19	
05 05 23 00-0745	EA 5/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.83	
	For >100 To 250, Deduct	-2.17	
	For >250 To 500, Deduct	-2.72	
	For >500, Deduct	-3.26	
05 05 23 00-0746	EA 5/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.00	
	For >100 To 250, Deduct	-2.17	
	For >250 To 500, Deduct	-2.72	
	For >500, Deduct	-3.26	
05 05 23 00-0747	EA 5/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.29	
	For >100 To 250, Deduct	-2.17	
	For >250 To 500, Deduct	-2.72	
	For >500, Deduct	-3.26	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0748	EA	5/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.90	
		For >100 To 250, Deduct	-2.22	
		For >250 To 500, Deduct	-2.77	
		For >500, Deduct	-3.33	
05 05 23 00-0749	EA	5/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.23	
		For >100 To 250, Deduct	-2.22	
		For >250 To 500, Deduct	-2.77	
		For >500, Deduct	-3.33	
05 05 23 00-0750	EA	5/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.21	
		For >100 To 250, Deduct	-2.22	
		For >250 To 500, Deduct	-2.77	
		For >500, Deduct	-3.33	
05 05 23 00-0751	EA	5/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.50	
		For >100 To 250, Deduct	-2.26	
		For >250 To 500, Deduct	-2.83	
		For >500, Deduct	-3.40	
05 05 23 00-0752	EA	5/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.21	
		For >100 To 250, Deduct	-2.26	
		For >250 To 500, Deduct	-2.83	
		For >500, Deduct	-3.40	
05 05 23 00-0753	EA	5/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.72	
		For >100 To 250, Deduct	-2.26	
		For >250 To 500, Deduct	-2.83	
		For >500, Deduct	-3.40	
05 05 23 00-0754	EA	5/8" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.66	
		For >100 To 250, Deduct	-2.31	
		For >250 To 500, Deduct	-2.89	
		For >500, Deduct	-3.47	
05 05 23 00-0755	EA	5/8" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.47	
		For >100 To 250, Deduct	-2.31	
		For >250 To 500, Deduct	-2.89	
		For >500, Deduct	-3.47	
05 05 23 00-0756	EA	5/8" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	23.32	
		For >100 To 250, Deduct	-2.31	
		For >250 To 500, Deduct	-2.89	
		For >500, Deduct	-3.47	
05 05 23 00-0757	EA	5/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	23.46	
		For >100 To 250, Deduct	-2.31	
		For >250 To 500, Deduct	-2.89	
		For >500, Deduct	-3.47	
05 05 23 00-0758 3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0654)				
05 05 23 00-0759	EA	3/4" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.42	
		For >100 To 250, Deduct	-2.08	
		For >250 To 500, Deduct	-2.60	
		For >500, Deduct	-3.12	
05 05 23 00-0760	EA	3/4" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.48	
		For >100 To 250, Deduct	-2.08	
		For >250 To 500, Deduct	-2.60	
		For >500, Deduct	-3.12	
05 05 23 00-0761	EA	3/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.83	
		For >100 To 250, Deduct	-2.08	
		For >250 To 500, Deduct	-2.60	
		For >500, Deduct	-3.12	
05 05 23 00-0762	EA	3/4" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.86	
		For >100 To 250, Deduct	-2.13	
		For >250 To 500, Deduct	-2.66	
		For >500, Deduct	-3.19	
05 05 23 00-0763	EA	3/4" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.19	
		For >100 To 250, Deduct	-2.13	
		For >250 To 500, Deduct	-2.66	
		For >500, Deduct	-3.19	
05 05 23 00-0764	EA	3/4" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.04	
		For >100 To 250, Deduct	-2.13	
		For >250 To 500, Deduct	-2.66	
		For >500, Deduct	-3.19	
05 05 23 00-0765	EA	3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.73	
		For >100 To 250, Deduct	-2.17	
		For >250 To 500, Deduct	-2.72	
		For >500, Deduct	-3.26	
05 05 23 00-0766	EA	3/4" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.81	
		For >100 To 250, Deduct	-2.17	
		For >250 To 500, Deduct	-2.72	
		For >500, Deduct	-3.26	
05 05 23 00-0767	EA	3/4" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.99	
		For >100 To 250, Deduct	-2.17	
		For >250 To 500, Deduct	-2.72	
		For >500, Deduct	-3.26	
05 05 23 00-0768	EA	3/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.34	
		For >100 To 250, Deduct	-2.22	
		For >250 To 500, Deduct	-2.77	
		For >500, Deduct	-3.33	
05 05 23 00-0769	EA	3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.47	
		For >100 To 250, Deduct	-2.22	
		For >250 To 500, Deduct	-2.77	
		For >500, Deduct	-3.33	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 05 23 00-0770	EA 3/4" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.94	
	For >100 To 250, Deduct	-2.22	
	For >250 To 500, Deduct	-2.77	
	For >500, Deduct	-3.33	
05 05 23 00-0771	EA 3/4" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.09	
	For >100 To 250, Deduct	-2.26	
	For >250 To 500, Deduct	-2.83	
	For >500, Deduct	-3.40	
05 05 23 00-0772	EA 3/4" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.24	
	For >100 To 250, Deduct	-2.26	
	For >250 To 500, Deduct	-2.83	
	For >500, Deduct	-3.40	
05 05 23 00-0773	EA 3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.70	
	For >100 To 250, Deduct	-2.26	
	For >250 To 500, Deduct	-2.83	
	For >500, Deduct	-3.40	
05 05 23 00-0774	EA 3/4" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	22.62	
	For >100 To 250, Deduct	-2.31	
	For >250 To 500, Deduct	-2.89	
	For >500, Deduct	-3.47	
05 05 23 00-0775	EA 3/4" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	23.10	
	For >100 To 250, Deduct	-2.31	
	For >250 To 500, Deduct	-2.89	
	For >500, Deduct	-3.47	
05 05 23 00-0776	EA 3/4" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	23.38	
	For >100 To 250, Deduct	-2.31	
	For >250 To 500, Deduct	-2.89	
	For >500, Deduct	-3.47	
05 05 23 00-0777	EA 3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	23.52	
	For >100 To 250, Deduct	-2.31	
	For >250 To 500, Deduct	-2.89	
	For >500, Deduct	-3.47	

05 05 23 00-0778 7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts
(05 05 23 00-0654)

05 05 23 00-0779	EA 7/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.34	
	For >100 To 250, Deduct	-2.31	
	For >250 To 500, Deduct	-2.89	
	For >500, Deduct	-3.47	
05 05 23 00-0780	EA 7/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.88	
	For >100 To 250, Deduct	-2.31	
	For >250 To 500, Deduct	-2.89	
	For >500, Deduct	-3.47	
05 05 23 00-0781	EA 7/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.43	
	For >100 To 250, Deduct	-2.36	
	For >250 To 500, Deduct	-2.95	
	For >500, Deduct	-3.54	
05 05 23 00-0782	EA 7/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.28	
	For >100 To 250, Deduct	-2.36	
	For >250 To 500, Deduct	-2.95	
	For >500, Deduct	-3.54	
05 05 23 00-0783	EA 7/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.71	
	For >100 To 250, Deduct	-2.36	
	For >250 To 500, Deduct	-2.95	
	For >500, Deduct	-3.54	
05 05 23 00-0784	EA 7/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	22.49	
	For >100 To 250, Deduct	-2.40	
	For >250 To 500, Deduct	-3.01	
	For >500, Deduct	-3.61	
05 05 23 00-0785	EA 7/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	23.09	
	For >100 To 250, Deduct	-2.40	
	For >250 To 500, Deduct	-3.01	
	For >500, Deduct	-3.61	
05 05 23 00-0786	EA 7/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	23.85	
	For >100 To 250, Deduct	-2.40	
	For >250 To 500, Deduct	-3.01	
	For >500, Deduct	-3.61	
05 05 23 00-0787	EA 7/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	24.60	
	For >100 To 250, Deduct	-2.45	
	For >250 To 500, Deduct	-3.06	
	For >500, Deduct	-3.67	
05 05 23 00-0788	EA 7/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	25.20	
	For >100 To 250, Deduct	-2.45	
	For >250 To 500, Deduct	-3.06	
	For >500, Deduct	-3.67	
05 05 23 00-0789	EA 7/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	29.92	
	For >100 To 250, Deduct	-2.45	
	For >250 To 500, Deduct	-3.06	
	For >500, Deduct	-3.67	
05 05 23 00-0790	EA 7/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	30.80	
	For >100 To 250, Deduct	-2.49	
	For >250 To 500, Deduct	-3.12	
	For >500, Deduct	-3.74	
05 05 23 00-0791	EA 7/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	31.90	
	For >100 To 250, Deduct	-2.49	
	For >250 To 500, Deduct	-3.12	
	For >500, Deduct	-3.74	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0792	EA	7/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	32.16	
		For >100 To 250, Deduct	-2.49	
		For >250 To 500, Deduct	-3.12	
		For >500, Deduct	-3.74	
05 05 23 00-0793	EA	7/8" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	32.70	
		For >100 To 250, Deduct	-2.54	
		For >250 To 500, Deduct	-3.18	
		For >500, Deduct	-3.81	
05 05 23 00-0794	EA	7/8" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	33.31	
		For >100 To 250, Deduct	-2.54	
		For >250 To 500, Deduct	-3.18	
		For >500, Deduct	-3.81	
05 05 23 00-0795	EA	7/8" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	34.07	
		For >100 To 250, Deduct	-2.54	
		For >250 To 500, Deduct	-3.18	
		For >500, Deduct	-3.81	
05 05 23 00-0796	EA	7/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	34.79	
		For >100 To 250, Deduct	-2.54	
		For >250 To 500, Deduct	-3.18	
		For >500, Deduct	-3.81	
05 05 23 00-0797 1" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0654)				
05 05 23 00-0798	EA	1" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.17	
		For >100 To 250, Deduct	-2.31	
		For >250 To 500, Deduct	-2.89	
		For >500, Deduct	-3.47	
05 05 23 00-0799	EA	1" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.57	
		For >100 To 250, Deduct	-2.36	
		For >250 To 500, Deduct	-2.95	
		For >500, Deduct	-3.54	
05 05 23 00-0800	EA	1" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	22.60	
		For >100 To 250, Deduct	-2.36	
		For >250 To 500, Deduct	-2.95	
		For >500, Deduct	-3.54	
05 05 23 00-0801	EA	1" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	23.41	
		For >100 To 250, Deduct	-2.36	
		For >250 To 500, Deduct	-2.95	
		For >500, Deduct	-3.54	
05 05 23 00-0802	EA	1" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	25.48	
		For >100 To 250, Deduct	-2.40	
		For >250 To 500, Deduct	-3.01	
		For >500, Deduct	-3.61	
05 05 23 00-0803	EA	1" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	25.90	
		For >100 To 250, Deduct	-2.40	
		For >250 To 500, Deduct	-3.01	
		For >500, Deduct	-3.61	
05 05 23 00-0804	EA	1" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	27.09	
		For >100 To 250, Deduct	-2.40	
		For >250 To 500, Deduct	-3.01	
		For >500, Deduct	-3.61	
05 05 23 00-0805	EA	1" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	27.43	
		For >100 To 250, Deduct	-2.45	
		For >250 To 500, Deduct	-3.06	
		For >500, Deduct	-3.67	
05 05 23 00-0806	EA	1" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	27.87	
		For >100 To 250, Deduct	-2.45	
		For >250 To 500, Deduct	-3.06	
		For >500, Deduct	-3.67	
05 05 23 00-0807	EA	1" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	31.92	
		For >100 To 250, Deduct	-2.45	
		For >250 To 500, Deduct	-3.06	
		For >500, Deduct	-3.67	
05 05 23 00-0808	EA	1" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	32.91	
		For >100 To 250, Deduct	-2.49	
		For >250 To 500, Deduct	-3.12	
		For >500, Deduct	-3.74	
05 05 23 00-0809	EA	1" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	34.60	
		For >100 To 250, Deduct	-2.49	
		For >250 To 500, Deduct	-3.12	
		For >500, Deduct	-3.74	
05 05 23 00-0810	EA	1" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	36.28	
		For >100 To 250, Deduct	-2.49	
		For >250 To 500, Deduct	-3.12	
		For >500, Deduct	-3.74	
05 05 23 00-0811	EA	1" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	37.02	
		For >100 To 250, Deduct	-2.54	
		For >250 To 500, Deduct	-3.18	
		For >500, Deduct	-3.81	
05 05 23 00-0812	EA	1" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	38.37	
		For >100 To 250, Deduct	-2.54	
		For >250 To 500, Deduct	-3.18	
		For >500, Deduct	-3.81	
05 05 23 00-0813	EA	1" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	39.41	
		For >100 To 250, Deduct	-2.54	
		For >250 To 500, Deduct	-3.18	
		For >500, Deduct	-3.81	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 05 23 00-0814	EA	1" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	40.94
		<i>For >100 To 250, Deduct</i>	-2.54
		<i>For >250 To 500, Deduct</i>	-3.18
		<i>For >500, Deduct</i>	-3.81

05 05 23 00-0815 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0097)**05 05 23 00-0816 1/4" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0815)**

05 05 23 00-0817	EA	1/4" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.41
		<i>For >100 To 250, Deduct</i>	-1.62
		<i>For >250 To 500, Deduct</i>	-2.02
		<i>For >500, Deduct</i>	-2.43
05 05 23 00-0818	EA	1/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.54
		<i>For >100 To 250, Deduct</i>	-1.62
		<i>For >250 To 500, Deduct</i>	-2.02
		<i>For >500, Deduct</i>	-2.43
05 05 23 00-0819	EA	1/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.70
		<i>For >100 To 250, Deduct</i>	-1.62
		<i>For >250 To 500, Deduct</i>	-2.02
		<i>For >500, Deduct</i>	-2.43
05 05 23 00-0820	EA	1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.87
		<i>For >100 To 250, Deduct</i>	-1.62
		<i>For >250 To 500, Deduct</i>	-2.02
		<i>For >500, Deduct</i>	-2.43
05 05 23 00-0821	EA	1/4" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.27
		<i>For >100 To 250, Deduct</i>	-1.66
		<i>For >250 To 500, Deduct</i>	-2.08
		<i>For >500, Deduct</i>	-2.50
05 05 23 00-0822	EA	1/4" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.53
		<i>For >100 To 250, Deduct</i>	-1.66
		<i>For >250 To 500, Deduct</i>	-2.08
		<i>For >500, Deduct</i>	-2.50
05 05 23 00-0823	EA	1/4" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.84
		<i>For >100 To 250, Deduct</i>	-1.66
		<i>For >250 To 500, Deduct</i>	-2.08
		<i>For >500, Deduct</i>	-2.50
05 05 23 00-0824	EA	1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.29
		<i>For >100 To 250, Deduct</i>	-1.71
		<i>For >250 To 500, Deduct</i>	-2.14
		<i>For >500, Deduct</i>	-2.57
05 05 23 00-0825	EA	1/4" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.66
		<i>For >100 To 250, Deduct</i>	-1.71
		<i>For >250 To 500, Deduct</i>	-2.14
		<i>For >500, Deduct</i>	-2.57
05 05 23 00-0826	EA	1/4" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.00
		<i>For >100 To 250, Deduct</i>	-1.71
		<i>For >250 To 500, Deduct</i>	-2.14
		<i>For >500, Deduct</i>	-2.57
05 05 23 00-0827	EA	1/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.51
		<i>For >100 To 250, Deduct</i>	-1.76
		<i>For >250 To 500, Deduct</i>	-2.20
		<i>For >500, Deduct</i>	-2.63
05 05 23 00-0828	EA	1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.07
		<i>For >100 To 250, Deduct</i>	-1.76
		<i>For >250 To 500, Deduct</i>	-2.20
		<i>For >500, Deduct</i>	-2.63
05 05 23 00-0829	EA	1/4" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.82
		<i>For >100 To 250, Deduct</i>	-1.76
		<i>For >250 To 500, Deduct</i>	-2.20
		<i>For >500, Deduct</i>	-2.63
05 05 23 00-0830	EA	1/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	22.35
		<i>For >100 To 250, Deduct</i>	-1.80
		<i>For >250 To 500, Deduct</i>	-2.25
		<i>For >500, Deduct</i>	-2.70
05 05 23 00-0831	EA	1/4" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	22.66
		<i>For >100 To 250, Deduct</i>	-1.80
		<i>For >250 To 500, Deduct</i>	-2.25
		<i>For >500, Deduct</i>	-2.70
05 05 23 00-0832	EA	1/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	23.42
		<i>For >100 To 250, Deduct</i>	-1.80
		<i>For >250 To 500, Deduct</i>	-2.25
		<i>For >500, Deduct</i>	-2.70

05 05 23 00-0833 5/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0815)

05 05 23 00-0834	EA	5/16" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.65
		<i>For >100 To 250, Deduct</i>	-1.62
		<i>For >250 To 500, Deduct</i>	-2.02
		<i>For >500, Deduct</i>	-2.43
05 05 23 00-0835	EA	5/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.76
		<i>For >100 To 250, Deduct</i>	-1.62
		<i>For >250 To 500, Deduct</i>	-2.02
		<i>For >500, Deduct</i>	-2.43
05 05 23 00-0836	EA	5/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.01
		<i>For >100 To 250, Deduct</i>	-1.62
		<i>For >250 To 500, Deduct</i>	-2.02
		<i>For >500, Deduct</i>	-2.43

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0837	EA	5/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	.....	9.20	
		For >100 To 250, Deduct		-1.62	
		For >250 To 500, Deduct		-2.02	
		For >500, Deduct		-2.43	
05 05 23 00-0838	EA	5/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	.....	9.79	
		For >100 To 250, Deduct		-1.66	
		For >250 To 500, Deduct		-2.08	
		For >500, Deduct		-2.50	
05 05 23 00-0839	EA	5/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	.....	9.91	
		For >100 To 250, Deduct		-1.66	
		For >250 To 500, Deduct		-2.08	
		For >500, Deduct		-2.50	
05 05 23 00-0840	EA	5/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	.....	10.54	
		For >100 To 250, Deduct		-1.66	
		For >250 To 500, Deduct		-2.08	
		For >500, Deduct		-2.50	
05 05 23 00-0841	EA	5/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	.....	11.21	
		For >100 To 250, Deduct		-1.71	
		For >250 To 500, Deduct		-2.14	
		For >500, Deduct		-2.57	
05 05 23 00-0842	EA	5/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	.....	11.91	
		For >100 To 250, Deduct		-1.71	
		For >250 To 500, Deduct		-2.14	
		For >500, Deduct		-2.57	
05 05 23 00-0843	EA	5/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	.....	12.27	
		For >100 To 250, Deduct		-1.71	
		For >250 To 500, Deduct		-2.14	
		For >500, Deduct		-2.57	
05 05 23 00-0844	EA	5/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	.....	13.57	
		For >100 To 250, Deduct		-1.76	
		For >250 To 500, Deduct		-2.20	
		For >500, Deduct		-2.63	
05 05 23 00-0845	EA	5/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	.....	15.33	
		For >100 To 250, Deduct		-1.76	
		For >250 To 500, Deduct		-2.20	
		For >500, Deduct		-2.63	
05 05 23 00-0846	EA	5/16" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	.....	19.35	
		For >100 To 250, Deduct		-1.76	
		For >250 To 500, Deduct		-2.20	
		For >500, Deduct		-2.63	
05 05 23 00-0847	EA	5/16" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	.....	26.08	
		For >100 To 250, Deduct		-1.80	
		For >250 To 500, Deduct		-2.25	
		For >500, Deduct		-2.70	
05 05 23 00-0848		3/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0815)			
05 05 23 00-0849	EA	3/8" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	.....	8.95	
		For >100 To 250, Deduct		-1.62	
		For >250 To 500, Deduct		-2.02	
		For >500, Deduct		-2.43	
05 05 23 00-0850	EA	3/8" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	.....	9.10	
		For >100 To 250, Deduct		-1.62	
		For >250 To 500, Deduct		-2.02	
		For >500, Deduct		-2.43	
05 05 23 00-0851	EA	3/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	.....	9.48	
		For >100 To 250, Deduct		-1.62	
		For >250 To 500, Deduct		-2.02	
		For >500, Deduct		-2.43	
05 05 23 00-0852	EA	3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	.....	9.96	
		For >100 To 250, Deduct		-1.62	
		For >250 To 500, Deduct		-2.02	
		For >500, Deduct		-2.43	
05 05 23 00-0853	EA	3/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	.....	10.43	
		For >100 To 250, Deduct		-1.66	
		For >250 To 500, Deduct		-2.08	
		For >500, Deduct		-2.50	
05 05 23 00-0854	EA	3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	.....	10.82	
		For >100 To 250, Deduct		-1.66	
		For >250 To 500, Deduct		-2.08	
		For >500, Deduct		-2.50	
05 05 23 00-0855	EA	3/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	.....	11.33	
		For >100 To 250, Deduct		-1.66	
		For >250 To 500, Deduct		-2.08	
		For >500, Deduct		-2.50	
05 05 23 00-0856	EA	3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	.....	12.02	
		For >100 To 250, Deduct		-1.71	
		For >250 To 500, Deduct		-2.14	
		For >500, Deduct		-2.57	
05 05 23 00-0857	EA	3/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	.....	12.62	
		For >100 To 250, Deduct		-1.71	
		For >250 To 500, Deduct		-2.14	
		For >500, Deduct		-2.57	
05 05 23 00-0858	EA	3/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	.....	13.94	
		For >100 To 250, Deduct		-1.71	
		For >250 To 500, Deduct		-2.14	
		For >500, Deduct		-2.57	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 05 23 00-0859	EA	3/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.33	
		For >100 To 250, Deduct	-1.76	
		For >250 To 500, Deduct	-2.20	
		For >500, Deduct	-2.63	
05 05 23 00-0860	EA	3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.42	
		For >100 To 250, Deduct	-1.76	
		For >250 To 500, Deduct	-2.20	
		For >500, Deduct	-2.63	
05 05 23 00-0861	EA	3/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.75	
		For >100 To 250, Deduct	-1.76	
		For >250 To 500, Deduct	-2.20	
		For >500, Deduct	-2.63	
05 05 23 00-0862	EA	3/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.52	
		For >100 To 250, Deduct	-1.80	
		For >250 To 500, Deduct	-2.25	
		For >500, Deduct	-2.70	
05 05 23 00-0863	EA	3/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.86	
		For >100 To 250, Deduct	-1.80	
		For >250 To 500, Deduct	-2.25	
		For >500, Deduct	-2.70	
05 05 23 00-0864	EA	3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	21.18	
		For >100 To 250, Deduct	-1.80	
		For >250 To 500, Deduct	-2.25	
		For >500, Deduct	-2.70	

05 05 23 00-0865 7/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0815)

05 05 23 00-0866	EA	7/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.34	
		For >100 To 250, Deduct	-1.85	
		For >250 To 500, Deduct	-2.31	
		For >500, Deduct	-2.77	
05 05 23 00-0867	EA	7/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.49	
		For >100 To 250, Deduct	-1.85	
		For >250 To 500, Deduct	-2.31	
		For >500, Deduct	-2.77	
05 05 23 00-0868	EA	7/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.11	
		For >100 To 250, Deduct	-1.85	
		For >250 To 500, Deduct	-2.31	
		For >500, Deduct	-2.77	
05 05 23 00-0869	EA	7/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.71	
		For >100 To 250, Deduct	-1.89	
		For >250 To 500, Deduct	-2.37	
		For >500, Deduct	-2.84	
05 05 23 00-0870	EA	7/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.45	
		For >100 To 250, Deduct	-1.89	
		For >250 To 500, Deduct	-2.37	
		For >500, Deduct	-2.84	
05 05 23 00-0871	EA	7/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.68	
		For >100 To 250, Deduct	-1.89	
		For >250 To 500, Deduct	-2.37	
		For >500, Deduct	-2.84	
05 05 23 00-0872	EA	7/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.48	
		For >100 To 250, Deduct	-1.94	
		For >250 To 500, Deduct	-2.43	
		For >500, Deduct	-2.91	
05 05 23 00-0873	EA	7/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.92	
		For >100 To 250, Deduct	-1.94	
		For >250 To 500, Deduct	-2.43	
		For >500, Deduct	-2.91	
05 05 23 00-0874	EA	7/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.56	
		For >100 To 250, Deduct	-1.94	
		For >250 To 500, Deduct	-2.43	
		For >500, Deduct	-2.91	
05 05 23 00-0875	EA	7/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.77	
		For >100 To 250, Deduct	-1.99	
		For >250 To 500, Deduct	-2.49	
		For >500, Deduct	-2.98	
05 05 23 00-0876	EA	7/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	21.97	
		For >100 To 250, Deduct	-1.99	
		For >250 To 500, Deduct	-2.49	
		For >500, Deduct	-2.98	
05 05 23 00-0877	EA	7/16" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	22.27	
		For >100 To 250, Deduct	-1.99	
		For >250 To 500, Deduct	-2.49	
		For >500, Deduct	-2.98	
05 05 23 00-0878	EA	7/16" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	22.77	
		For >100 To 250, Deduct	-2.03	
		For >250 To 500, Deduct	-2.54	
		For >500, Deduct	-3.05	

05 05 23 00-0879 1/2" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0815)

05 05 23 00-0880	EA	1/2" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.32	
		For >100 To 250, Deduct	-1.85	
		For >250 To 500, Deduct	-2.31	
		For >500, Deduct	-2.77	
05 05 23 00-0881	EA	1/2" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.49	
		For >100 To 250, Deduct	-1.85	
		For >250 To 500, Deduct	-2.31	
		For >500, Deduct	-2.77	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0882	EA	1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	.....	12.46	
		For >100 To 250, Deduct		-1.85	
		For >250 To 500, Deduct		-2.31	
		For >500, Deduct		-2.77	
05 05 23 00-0883	EA	1/2" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	.....	13.08	
		For >100 To 250, Deduct		-1.89	
		For >250 To 500, Deduct		-2.37	
		For >500, Deduct		-2.84	
05 05 23 00-0884	EA	1/2" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	.....	13.96	
		For >100 To 250, Deduct		-1.89	
		For >250 To 500, Deduct		-2.37	
		For >500, Deduct		-2.84	
05 05 23 00-0885	EA	1/2" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	.....	14.44	
		For >100 To 250, Deduct		-1.89	
		For >250 To 500, Deduct		-2.37	
		For >500, Deduct		-2.84	
05 05 23 00-0886	EA	1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	.....	15.25	
		For >100 To 250, Deduct		-1.94	
		For >250 To 500, Deduct		-2.43	
		For >500, Deduct		-2.91	
05 05 23 00-0887	EA	1/2" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	.....	15.67	
		For >100 To 250, Deduct		-1.94	
		For >250 To 500, Deduct		-2.43	
		For >500, Deduct		-2.91	
05 05 23 00-0888	EA	1/2" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	.....	17.98	
		For >100 To 250, Deduct		-1.94	
		For >250 To 500, Deduct		-2.43	
		For >500, Deduct		-2.91	
05 05 23 00-0889	EA	1/2" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	.....	18.85	
		For >100 To 250, Deduct		-1.99	
		For >250 To 500, Deduct		-2.49	
		For >500, Deduct		-2.98	
05 05 23 00-0890	EA	1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	.....	19.89	
		For >100 To 250, Deduct		-1.99	
		For >250 To 500, Deduct		-2.49	
		For >500, Deduct		-2.98	
05 05 23 00-0891	EA	1/2" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	.....	21.07	
		For >100 To 250, Deduct		-1.99	
		For >250 To 500, Deduct		-2.49	
		For >500, Deduct		-2.98	
05 05 23 00-0892	EA	1/2" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	.....	23.05	
		For >100 To 250, Deduct		-2.03	
		For >250 To 500, Deduct		-2.54	
		For >500, Deduct		-3.05	
05 05 23 00-0893	EA	1/2" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	.....	23.75	
		For >100 To 250, Deduct		-2.03	
		For >250 To 500, Deduct		-2.54	
		For >500, Deduct		-3.05	
05 05 23 00-0894	EA	1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	.....	24.86	
		For >100 To 250, Deduct		-2.03	
		For >250 To 500, Deduct		-2.54	
		For >500, Deduct		-3.05	
05 05 23 00-0895	EA	1/2" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	.....	30.52	
		For >100 To 250, Deduct		-2.08	
		For >250 To 500, Deduct		-2.60	
		For >500, Deduct		-3.12	
05 05 23 00-0896	EA	1/2" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	.....	30.96	
		For >100 To 250, Deduct		-2.08	
		For >250 To 500, Deduct		-2.60	
		For >500, Deduct		-3.12	
05 05 23 00-0897	EA	1/2" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	.....	34.02	
		For >100 To 250, Deduct		-2.08	
		For >250 To 500, Deduct		-2.60	
		For >500, Deduct		-3.12	
05 05 23 00-0898	EA	1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	.....	37.07	
		For >100 To 250, Deduct		-2.08	
		For >250 To 500, Deduct		-2.60	
		For >500, Deduct		-3.12	
05 05 23 00-0899		9/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0815)	.....	16.39	
	EA	9/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	.....	16.39	
		For >100 To 250, Deduct		-1.85	
		For >250 To 500, Deduct		-2.31	
		For >500, Deduct		-2.77	
05 05 23 00-0901	EA	9/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	.....	18.40	
		For >100 To 250, Deduct		-1.85	
		For >250 To 500, Deduct		-2.31	
		For >500, Deduct		-2.77	
05 05 23 00-0902	EA	9/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	.....	21.92	
		For >100 To 250, Deduct		-1.85	
		For >250 To 500, Deduct		-2.31	
		For >500, Deduct		-2.77	
05 05 23 00-0903	EA	9/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	.....	22.86	
		For >100 To 250, Deduct		-1.89	
		For >250 To 500, Deduct		-2.37	
		For >500, Deduct		-2.84	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
05 05 23 00-0904	EA 9/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	24.11		
	For >100 To 250, Deduct	-1.89		
	For >250 To 500, Deduct	-2.37		
	For >500, Deduct	-2.84		
05 05 23 00-0905	EA 9/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	26.29		
	For >100 To 250, Deduct	-1.89		
	For >250 To 500, Deduct	-2.37		
	For >500, Deduct	-2.84		
05 05 23 00-0906	EA 9/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	29.73		
	For >100 To 250, Deduct	-1.94		
	For >250 To 500, Deduct	-2.43		
	For >500, Deduct	-2.91		
05 05 23 00-0907	EA 9/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	30.22		
	For >100 To 250, Deduct	-1.94		
	For >250 To 500, Deduct	-2.43		
	For >500, Deduct	-2.91		
05 05 23 00-0908	EA 9/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	34.84		
	For >100 To 250, Deduct	-1.94		
	For >250 To 500, Deduct	-2.43		
	For >500, Deduct	-2.91		
05 05 23 00-0909	EA 9/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	37.25		
	For >100 To 250, Deduct	-1.99		
	For >250 To 500, Deduct	-2.49		
	For >500, Deduct	-2.98		
05 05 23 00-0910	EA 9/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	39.71		
	For >100 To 250, Deduct	-1.99		
	For >250 To 500, Deduct	-2.49		
	For >500, Deduct	-2.98		
05 05 23 00-0911 5/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0815)				
05 05 23 00-0912	EA 5/8" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.19		
	For >100 To 250, Deduct	-2.08		
	For >250 To 500, Deduct	-2.60		
	For >500, Deduct	-3.12		
05 05 23 00-0913	EA 5/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.65		
	For >100 To 250, Deduct	-2.08		
	For >250 To 500, Deduct	-2.60		
	For >500, Deduct	-3.12		
05 05 23 00-0914	EA 5/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.57		
	For >100 To 250, Deduct	-2.08		
	For >250 To 500, Deduct	-2.60		
	For >500, Deduct	-3.12		
05 05 23 00-0915	EA 5/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.11		
	For >100 To 250, Deduct	-2.13		
	For >250 To 500, Deduct	-2.66		
	For >500, Deduct	-3.19		
05 05 23 00-0916	EA 5/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.03		
	For >100 To 250, Deduct	-2.13		
	For >250 To 500, Deduct	-2.66		
	For >500, Deduct	-3.19		
05 05 23 00-0917	EA 5/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.33		
	For >100 To 250, Deduct	-2.13		
	For >250 To 500, Deduct	-2.66		
	For >500, Deduct	-3.19		
05 05 23 00-0918	EA 5/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	21.20		
	For >100 To 250, Deduct	-2.17		
	For >250 To 500, Deduct	-2.72		
	For >500, Deduct	-3.26		
05 05 23 00-0919	EA 5/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	21.22		
	For >100 To 250, Deduct	-2.17		
	For >250 To 500, Deduct	-2.72		
	For >500, Deduct	-3.26		
05 05 23 00-0920	EA 5/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	22.68		
	For >100 To 250, Deduct	-2.17		
	For >250 To 500, Deduct	-2.72		
	For >500, Deduct	-3.26		
05 05 23 00-0921	EA 5/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	23.74		
	For >100 To 250, Deduct	-2.22		
	For >250 To 500, Deduct	-2.77		
	For >500, Deduct	-3.33		
05 05 23 00-0922	EA 5/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	25.06		
	For >100 To 250, Deduct	-2.22		
	For >250 To 500, Deduct	-2.77		
	For >500, Deduct	-3.33		
05 05 23 00-0923	EA 5/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	29.89		
	For >100 To 250, Deduct	-2.22		
	For >250 To 500, Deduct	-2.77		
	For >500, Deduct	-3.33		
05 05 23 00-0924	EA 5/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	32.76		
	For >100 To 250, Deduct	-2.26		
	For >250 To 500, Deduct	-2.83		
	For >500, Deduct	-3.40		
05 05 23 00-0925	EA 5/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	34.94		
	For >100 To 250, Deduct	-2.26		
	For >250 To 500, Deduct	-2.83		
	For >500, Deduct	-3.40		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST

05 05 23 00-0926	EA		5/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	35.93	
			For >100 To 250, Deduct	-2.26	
			For >250 To 500, Deduct	-2.83	
			For >500, Deduct	-3.40	
05 05 23 00-0927	EA		5/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	40.19	
			For >100 To 250, Deduct	-2.31	
			For >250 To 500, Deduct	-2.89	
			For >500, Deduct	-3.47	
05 05 23 00-0928	EA		5/8" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	41.48	
			For >100 To 250, Deduct	-2.31	
			For >250 To 500, Deduct	-2.89	
			For >500, Deduct	-3.47	
05 05 23 00-0929	EA		5/8" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	47.22	
			For >100 To 250, Deduct	-2.31	
			For >250 To 500, Deduct	-2.89	
			For >500, Deduct	-3.47	
05 05 23 00-0930	EA		5/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	49.58	
			For >100 To 250, Deduct	-2.31	
			For >250 To 500, Deduct	-2.89	
			For >500, Deduct	-3.47	
05 05 23 00-0931			3/4" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0815)		
05 05 23 00-0932	EA		3/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.28	
			For >100 To 250, Deduct	-2.08	
			For >250 To 500, Deduct	-2.60	
			For >500, Deduct	-3.12	
05 05 23 00-0933	EA		3/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.18	
			For >100 To 250, Deduct	-2.08	
			For >250 To 500, Deduct	-2.60	
			For >500, Deduct	-3.12	
05 05 23 00-0934	EA		3/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.36	
			For >100 To 250, Deduct	-2.08	
			For >250 To 500, Deduct	-2.60	
			For >500, Deduct	-3.12	
05 05 23 00-0935	EA		3/4" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.88	
			For >100 To 250, Deduct	-2.13	
			For >250 To 500, Deduct	-2.66	
			For >500, Deduct	-3.19	
05 05 23 00-0936	EA		3/4" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	21.18	
			For >100 To 250, Deduct	-2.13	
			For >250 To 500, Deduct	-2.66	
			For >500, Deduct	-3.19	
05 05 23 00-0937	EA		3/4" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	23.38	
			For >100 To 250, Deduct	-2.13	
			For >250 To 500, Deduct	-2.66	
			For >500, Deduct	-3.19	
05 05 23 00-0938	EA		3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	24.92	
			For >100 To 250, Deduct	-2.17	
			For >250 To 500, Deduct	-2.72	
			For >500, Deduct	-3.26	
05 05 23 00-0939	EA		3/4" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	26.96	
			For >100 To 250, Deduct	-2.17	
			For >250 To 500, Deduct	-2.72	
			For >500, Deduct	-3.26	
05 05 23 00-0940	EA		3/4" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	28.60	
			For >100 To 250, Deduct	-2.17	
			For >250 To 500, Deduct	-2.72	
			For >500, Deduct	-3.26	
05 05 23 00-0941	EA		3/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	30.52	
			For >100 To 250, Deduct	-2.22	
			For >250 To 500, Deduct	-2.77	
			For >500, Deduct	-3.33	
05 05 23 00-0942	EA		3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	32.42	
			For >100 To 250, Deduct	-2.22	
			For >250 To 500, Deduct	-2.77	
			For >500, Deduct	-3.33	
05 05 23 00-0943	EA		3/4" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	36.00	
			For >100 To 250, Deduct	-2.22	
			For >250 To 500, Deduct	-2.77	
			For >500, Deduct	-3.33	
05 05 23 00-0944	EA		3/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	45.73	
			For >100 To 250, Deduct	-2.26	
			For >250 To 500, Deduct	-2.83	
			For >500, Deduct	-3.40	
05 05 23 00-0945	EA		3/4" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	48.76	
			For >100 To 250, Deduct	-2.26	
			For >250 To 500, Deduct	-2.83	
			For >500, Deduct	-3.40	
05 05 23 00-0946	EA		3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	55.24	
			For >100 To 250, Deduct	-2.26	
			For >250 To 500, Deduct	-2.83	
			For >500, Deduct	-3.40	
05 05 23 00-0947	EA		3/4" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	55.77	
			For >100 To 250, Deduct	-2.31	
			For >250 To 500, Deduct	-2.89	
			For >500, Deduct	-3.47	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
05 05 23 00-0948	EA	3/4" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	56.79	
		For >100 To 250, Deduct	-2.31	
		For >250 To 500, Deduct	-2.89	
		For >500, Deduct	-3.47	
05 05 23 00-0949	EA	3/4" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	59.56	
		For >100 To 250, Deduct	-2.31	
		For >250 To 500, Deduct	-2.89	
		For >500, Deduct	-3.47	
05 05 23 00-0950	EA	3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	61.69	
		For >100 To 250, Deduct	-2.31	
		For >250 To 500, Deduct	-2.89	
		For >500, Deduct	-3.47	
05 05 23 00-0951 7/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0815)				
05 05 23 00-0952	EA	7/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	23.07	
		For >100 To 250, Deduct	-2.31	
		For >250 To 500, Deduct	-2.89	
		For >500, Deduct	-3.47	
05 05 23 00-0953	EA	7/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	25.31	
		For >100 To 250, Deduct	-2.31	
		For >250 To 500, Deduct	-2.89	
		For >500, Deduct	-3.47	
05 05 23 00-0954	EA	7/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	27.26	
		For >100 To 250, Deduct	-2.36	
		For >250 To 500, Deduct	-2.95	
		For >500, Deduct	-3.54	
05 05 23 00-0955	EA	7/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	29.53	
		For >100 To 250, Deduct	-2.36	
		For >250 To 500, Deduct	-2.95	
		For >500, Deduct	-3.54	
05 05 23 00-0956	EA	7/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	30.27	
		For >100 To 250, Deduct	-2.36	
		For >250 To 500, Deduct	-2.95	
		For >500, Deduct	-3.54	
05 05 23 00-0957	EA	7/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	32.37	
		For >100 To 250, Deduct	-2.40	
		For >250 To 500, Deduct	-3.01	
		For >500, Deduct	-3.61	
05 05 23 00-0958	EA	7/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	33.09	
		For >100 To 250, Deduct	-2.40	
		For >250 To 500, Deduct	-3.01	
		For >500, Deduct	-3.61	
05 05 23 00-0959	EA	7/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	38.04	
		For >100 To 250, Deduct	-2.40	
		For >250 To 500, Deduct	-3.01	
		For >500, Deduct	-3.61	
05 05 23 00-0960	EA	7/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	39.00	
		For >100 To 250, Deduct	-2.45	
		For >250 To 500, Deduct	-3.06	
		For >500, Deduct	-3.67	
05 05 23 00-0961	EA	7/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	40.90	
		For >100 To 250, Deduct	-2.45	
		For >250 To 500, Deduct	-3.06	
		For >500, Deduct	-3.67	
05 05 23 00-0962	EA	7/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	51.38	
		For >100 To 250, Deduct	-2.45	
		For >250 To 500, Deduct	-3.06	
		For >500, Deduct	-3.67	
05 05 23 00-0963	EA	7/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	55.63	
		For >100 To 250, Deduct	-2.49	
		For >250 To 500, Deduct	-3.12	
		For >500, Deduct	-3.74	
05 05 23 00-0964	EA	7/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	60.33	
		For >100 To 250, Deduct	-2.49	
		For >250 To 500, Deduct	-3.12	
		For >500, Deduct	-3.74	
05 05 23 00-0965	EA	7/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	64.12	
		For >100 To 250, Deduct	-2.49	
		For >250 To 500, Deduct	-3.12	
		For >500, Deduct	-3.74	
05 05 23 00-0966	EA	7/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	75.86	
		For >100 To 250, Deduct	-2.54	
		For >250 To 500, Deduct	-3.18	
		For >500, Deduct	-3.81	
05 05 23 00-0967	EA	7/8" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	85.07	
		For >100 To 250, Deduct	-2.54	
		For >250 To 500, Deduct	-3.18	
		For >500, Deduct	-3.81	
05 05 23 00-0968	EA	7/8" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	89.33	
		For >100 To 250, Deduct	-2.54	
		For >250 To 500, Deduct	-3.18	
		For >500, Deduct	-3.81	
05 05 23 00-0969	EA	7/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	93.58	
		For >100 To 250, Deduct	-2.54	
		For >250 To 500, Deduct	-3.18	
		For >500, Deduct	-3.81	
05 05 23 00-0970 1" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0815)				

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0971	EA	1" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	28.50	
		For >100 To 250, Deduct	-2.31	
		For >250 To 500, Deduct	-2.89	
		For >500, Deduct	-3.47	
05 05 23 00-0972	EA	1" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	30.14	
		For >100 To 250, Deduct	-2.31	
		For >250 To 500, Deduct	-2.89	
		For >500, Deduct	-3.47	
05 05 23 00-0973	EA	1" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	32.81	
		For >100 To 250, Deduct	-2.36	
		For >250 To 500, Deduct	-2.95	
		For >500, Deduct	-3.54	
05 05 23 00-0974	EA	1" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	34.87	
		For >100 To 250, Deduct	-2.36	
		For >250 To 500, Deduct	-2.95	
		For >500, Deduct	-3.54	
05 05 23 00-0975	EA	1" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	38.25	
		For >100 To 250, Deduct	-2.36	
		For >250 To 500, Deduct	-2.95	
		For >500, Deduct	-3.54	
05 05 23 00-0976	EA	1" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	42.29	
		For >100 To 250, Deduct	-2.40	
		For >250 To 500, Deduct	-3.01	
		For >500, Deduct	-3.61	
05 05 23 00-0977	EA	1" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	44.65	
		For >100 To 250, Deduct	-2.40	
		For >250 To 500, Deduct	-3.01	
		For >500, Deduct	-3.61	
05 05 23 00-0978	EA	1" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	48.13	
		For >100 To 250, Deduct	-2.40	
		For >250 To 500, Deduct	-3.01	
		For >500, Deduct	-3.61	
05 05 23 00-0979	EA	1" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	51.63	
		For >100 To 250, Deduct	-2.45	
		For >250 To 500, Deduct	-3.06	
		For >500, Deduct	-3.67	
05 05 23 00-0980	EA	1" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	51.82	
		For >100 To 250, Deduct	-2.45	
		For >250 To 500, Deduct	-3.06	
		For >500, Deduct	-3.67	
05 05 23 00-0981	EA	1" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	61.18	
		For >100 To 250, Deduct	-2.45	
		For >250 To 500, Deduct	-3.06	
		For >500, Deduct	-3.67	
05 05 23 00-0982	EA	1" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	73.25	
		For >100 To 250, Deduct	-2.49	
		For >250 To 500, Deduct	-3.12	
		For >500, Deduct	-3.74	
05 05 23 00-0983	EA	1" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	75.01	
		For >100 To 250, Deduct	-2.49	
		For >250 To 500, Deduct	-3.12	
		For >500, Deduct	-3.74	
05 05 23 00-0984	EA	1" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	76.77	
		For >100 To 250, Deduct	-2.49	
		For >250 To 500, Deduct	-3.12	
		For >500, Deduct	-3.74	
05 05 23 00-0985	EA	1" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	80.52	
		For >100 To 250, Deduct	-2.54	
		For >250 To 500, Deduct	-3.18	
		For >500, Deduct	-3.81	
05 05 23 00-0986	EA	1" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	85.93	
		For >100 To 250, Deduct	-2.54	
		For >250 To 500, Deduct	-3.18	
		For >500, Deduct	-3.81	
05 05 23 00-0987	EA	1" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	110.47	
		For >100 To 250, Deduct	-2.54	
		For >250 To 500, Deduct	-3.18	
		For >500, Deduct	-3.81	
05 05 23 00-0988	EA	1" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	139.06	
		For >100 To 250, Deduct	-2.54	
		For >250 To 500, Deduct	-3.18	
		For >500, Deduct	-3.81	
05 05 23 00-0989		316 Stainless Steel, Hex Head Bolts (05 05 23 00-0987)		
05 05 23 00-0990		1/4" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)		
05 05 23 00-0991	EA	1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	8.66	
		For >100 To 250, Deduct	-1.62	
		For >250 To 500, Deduct	-2.02	
		For >500, Deduct	-2.43	
05 05 23 00-0992	EA	1" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	8.92	
		For >100 To 250, Deduct	-1.62	
		For >250 To 500, Deduct	-2.02	
		For >500, Deduct	-2.43	
05 05 23 00-0993	EA	1-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	9.11	
		For >100 To 250, Deduct	-1.62	
		For >250 To 500, Deduct	-2.02	
		For >500, Deduct	-2.43	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 05 23 00-0994	EA 2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	9.24	
	For >100 To 250, Deduct	-1.62	
	For >250 To 500, Deduct	-2.02	
	For >500, Deduct	-2.43	
05 05 23 00-0995	EA 2-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	9.83	
	For >100 To 250, Deduct	-1.66	
	For >250 To 500, Deduct	-2.08	
	For >500, Deduct	-2.50	
05 05 23 00-0996	EA 3" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	10.17	
	For >100 To 250, Deduct	-1.66	
	For >250 To 500, Deduct	-2.08	
	For >500, Deduct	-2.50	
05 05 23 00-0997	EA 3-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	10.50	
	For >100 To 250, Deduct	-1.66	
	For >250 To 500, Deduct	-2.08	
	For >500, Deduct	-2.50	
05 05 23 00-0998	EA 4" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	11.00	
	For >100 To 250, Deduct	-1.71	
	For >250 To 500, Deduct	-2.14	
	For >500, Deduct	-2.57	
05 05 23 00-0999	EA 4-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	11.28	
	For >100 To 250, Deduct	-1.71	
	For >250 To 500, Deduct	-2.14	
	For >500, Deduct	-2.57	
05 05 23 00-1000	EA 5" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	11.40	
	For >100 To 250, Deduct	-1.71	
	For >250 To 500, Deduct	-2.14	
	For >500, Deduct	-2.57	
05 05 23 00-1001	EA 5-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	12.50	
	For >100 To 250, Deduct	-1.76	
	For >250 To 500, Deduct	-2.20	
	For >500, Deduct	-2.63	
05 05 23 00-1002	EA 6" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	12.73	
	For >100 To 250, Deduct	-1.76	
	For >250 To 500, Deduct	-2.20	
	For >500, Deduct	-2.63	
05 05 23 00-1003	EA 6-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	21.32	
	For >100 To 250, Deduct	-1.76	
	For >250 To 500, Deduct	-2.20	
	For >500, Deduct	-2.63	
05 05 23 00-1004	EA 7" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	31.96	
	For >100 To 250, Deduct	-1.80	
	For >250 To 500, Deduct	-2.25	
	For >500, Deduct	-2.70	
05 05 23 00-1005	EA 7-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	54.90	
	For >100 To 250, Deduct	-1.80	
	For >250 To 500, Deduct	-2.25	
	For >500, Deduct	-2.70	
05 05 23 00-1006	EA 8" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	60.13	
	For >100 To 250, Deduct	-1.80	
	For >250 To 500, Deduct	-2.25	
	For >500, Deduct	-2.70	

05 05 23 00-1007 5/16" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)

05 05 23 00-1008	EA 5/16" Diameter x 1/2" Length, 316 Stainless Steel, Hex Head Bolt	9.01	
	For >100 To 250, Deduct	-1.62	
	For >250 To 500, Deduct	-2.02	
	For >500, Deduct	-2.43	
05 05 23 00-1009	EA 5/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	9.31	
	For >100 To 250, Deduct	-1.62	
	For >250 To 500, Deduct	-2.02	
	For >500, Deduct	-2.43	
05 05 23 00-1010	EA 5/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	9.79	
	For >100 To 250, Deduct	-1.62	
	For >250 To 500, Deduct	-2.02	
	For >500, Deduct	-2.43	
05 05 23 00-1011	EA 5/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	10.17	
	For >100 To 250, Deduct	-1.62	
	For >250 To 500, Deduct	-2.02	
	For >500, Deduct	-2.43	
05 05 23 00-1012	EA 5/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	10.56	
	For >100 To 250, Deduct	-1.66	
	For >250 To 500, Deduct	-2.08	
	For >500, Deduct	-2.50	
05 05 23 00-1013	EA 5/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	11.31	
	For >100 To 250, Deduct	-1.66	
	For >250 To 500, Deduct	-2.08	
	For >500, Deduct	-2.50	
05 05 23 00-1014	EA 5/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	11.84	
	For >100 To 250, Deduct	-1.66	
	For >250 To 500, Deduct	-2.08	
	For >500, Deduct	-2.50	
05 05 23 00-1015	EA 5/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	12.30	
	For >100 To 250, Deduct	-1.71	
	For >250 To 500, Deduct	-2.14	
	For >500, Deduct	-2.57	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST

05 05 23 00-1016	EA		5/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	13.43	
			For >100 To 250, Deduct	-1.71	
			For >250 To 500, Deduct	-2.14	
			For >500, Deduct	-2.57	
05 05 23 00-1017	EA		5/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	13.66	
			For >100 To 250, Deduct	-1.71	
			For >250 To 500, Deduct	-2.14	
			For >500, Deduct	-2.57	
05 05 23 00-1018	EA		5/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	14.68	
			For >100 To 250, Deduct	-1.76	
			For >250 To 500, Deduct	-2.20	
			For >500, Deduct	-2.63	
05 05 23 00-1019	EA		5/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	15.56	
			For >100 To 250, Deduct	-1.76	
			For >250 To 500, Deduct	-2.20	
			For >500, Deduct	-2.63	
05 05 23 00-1020	EA		5/16" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	22.87	
			For >100 To 250, Deduct	-1.76	
			For >250 To 500, Deduct	-2.20	
			For >500, Deduct	-2.63	
05 05 23 00-1021	EA		5/16" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	33.50	
			For >100 To 250, Deduct	-1.80	
			For >250 To 500, Deduct	-2.25	
			For >500, Deduct	-2.70	

05 05 23 00-1022 3/8" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)

05 05 23 00-1023	EA		3/8" Diameter x 1/2" Length, 316 Stainless Steel, Hex Head Bolt	9.79	
			For >100 To 250, Deduct	-1.62	
			For >250 To 500, Deduct	-2.02	
			For >500, Deduct	-2.43	
05 05 23 00-1024	EA		3/8" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	9.90	
			For >100 To 250, Deduct	-1.62	
			For >250 To 500, Deduct	-2.02	
			For >500, Deduct	-2.43	
05 05 23 00-1025	EA		3/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	10.36	
			For >100 To 250, Deduct	-1.62	
			For >250 To 500, Deduct	-2.02	
			For >500, Deduct	-2.43	
05 05 23 00-1026	EA		3/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	11.45	
			For >100 To 250, Deduct	-1.62	
			For >250 To 500, Deduct	-2.02	
			For >500, Deduct	-2.43	
05 05 23 00-1027	EA		3/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	12.07	
			For >100 To 250, Deduct	-1.66	
			For >250 To 500, Deduct	-2.08	
			For >500, Deduct	-2.50	
05 05 23 00-1028	EA		3/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	12.27	
			For >100 To 250, Deduct	-1.66	
			For >250 To 500, Deduct	-2.08	
			For >500, Deduct	-2.50	
05 05 23 00-1029	EA		3/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	13.22	
			For >100 To 250, Deduct	-1.66	
			For >250 To 500, Deduct	-2.08	
			For >500, Deduct	-2.50	
05 05 23 00-1030	EA		3/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	13.59	
			For >100 To 250, Deduct	-1.71	
			For >250 To 500, Deduct	-2.14	
			For >500, Deduct	-2.57	
05 05 23 00-1031	EA		3/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	14.19	
			For >100 To 250, Deduct	-1.71	
			For >250 To 500, Deduct	-2.14	
			For >500, Deduct	-2.57	
05 05 23 00-1032	EA		3/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	14.59	
			For >100 To 250, Deduct	-1.71	
			For >250 To 500, Deduct	-2.14	
			For >500, Deduct	-2.57	
05 05 23 00-1033	EA		3/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	16.14	
			For >100 To 250, Deduct	-1.76	
			For >250 To 500, Deduct	-2.20	
			For >500, Deduct	-2.63	
05 05 23 00-1034	EA		3/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	17.75	
			For >100 To 250, Deduct	-1.76	
			For >250 To 500, Deduct	-2.20	
			For >500, Deduct	-2.63	
05 05 23 00-1035	EA		3/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	17.82	
			For >100 To 250, Deduct	-1.76	
			For >250 To 500, Deduct	-2.20	
			For >500, Deduct	-2.63	
05 05 23 00-1036	EA		3/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	22.12	
			For >100 To 250, Deduct	-1.80	
			For >250 To 500, Deduct	-2.25	
			For >500, Deduct	-2.70	
05 05 23 00-1037	EA		3/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	28.74	
			For >100 To 250, Deduct	-1.80	
			For >250 To 500, Deduct	-2.25	
			For >500, Deduct	-2.70	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 05 23 00-1038	EA	3/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	35.89
		<i>For >100 To 250, Deduct</i>	-1.80
		<i>For >250 To 500, Deduct</i>	-2.25
		<i>For >500, Deduct</i>	-2.70

05 05 23 00-1039 7/16" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)

05 05 23 00-1040	EA	7/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	12.76
		<i>For >100 To 250, Deduct</i>	-1.85
		<i>For >250 To 500, Deduct</i>	-2.31
		<i>For >500, Deduct</i>	-2.77
05 05 23 00-1041	EA	7/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	13.45
		<i>For >100 To 250, Deduct</i>	-1.85
		<i>For >250 To 500, Deduct</i>	-2.31
		<i>For >500, Deduct</i>	-2.77
05 05 23 00-1042	EA	7/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	14.74
		<i>For >100 To 250, Deduct</i>	-1.85
		<i>For >250 To 500, Deduct</i>	-2.31
		<i>For >500, Deduct</i>	-2.77
05 05 23 00-1043	EA	7/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	16.08
		<i>For >100 To 250, Deduct</i>	-1.89
		<i>For >250 To 500, Deduct</i>	-2.37
		<i>For >500, Deduct</i>	-2.84
05 05 23 00-1044	EA	7/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	17.31
		<i>For >100 To 250, Deduct</i>	-1.89
		<i>For >250 To 500, Deduct</i>	-2.37
		<i>For >500, Deduct</i>	-2.84
05 05 23 00-1045	EA	7/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	19.34
		<i>For >100 To 250, Deduct</i>	-1.89
		<i>For >250 To 500, Deduct</i>	-2.37
		<i>For >500, Deduct</i>	-2.84
05 05 23 00-1046	EA	7/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	21.50
		<i>For >100 To 250, Deduct</i>	-1.94
		<i>For >250 To 500, Deduct</i>	-2.43
		<i>For >500, Deduct</i>	-2.91
05 05 23 00-1047	EA	7/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	21.86
		<i>For >100 To 250, Deduct</i>	-1.94
		<i>For >250 To 500, Deduct</i>	-2.43
		<i>For >500, Deduct</i>	-2.91
05 05 23 00-1048	EA	7/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	22.60
		<i>For >100 To 250, Deduct</i>	-1.94
		<i>For >250 To 500, Deduct</i>	-2.43
		<i>For >500, Deduct</i>	-2.91
05 05 23 00-1049	EA	7/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	23.33
		<i>For >100 To 250, Deduct</i>	-1.99
		<i>For >250 To 500, Deduct</i>	-2.49
		<i>For >500, Deduct</i>	-2.98
05 05 23 00-1050	EA	7/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	23.86
		<i>For >100 To 250, Deduct</i>	-1.99
		<i>For >250 To 500, Deduct</i>	-2.49
		<i>For >500, Deduct</i>	-2.98
05 05 23 00-1051	EA	7/16" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	24.39
		<i>For >100 To 250, Deduct</i>	-1.99
		<i>For >250 To 500, Deduct</i>	-2.49
		<i>For >500, Deduct</i>	-2.98
05 05 23 00-1052	EA	7/16" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	25.04
		<i>For >100 To 250, Deduct</i>	-2.03
		<i>For >250 To 500, Deduct</i>	-2.54
		<i>For >500, Deduct</i>	-3.05

05 05 23 00-1053 1/2" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)

05 05 23 00-1054	EA	1/2" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	12.73
		<i>For >100 To 250, Deduct</i>	-1.85
		<i>For >250 To 500, Deduct</i>	-2.31
		<i>For >500, Deduct</i>	-2.77
05 05 23 00-1055	EA	1/2" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	13.47
		<i>For >100 To 250, Deduct</i>	-1.85
		<i>For >250 To 500, Deduct</i>	-2.31
		<i>For >500, Deduct</i>	-2.77
05 05 23 00-1056	EA	1/2" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	14.51
		<i>For >100 To 250, Deduct</i>	-1.85
		<i>For >250 To 500, Deduct</i>	-2.31
		<i>For >500, Deduct</i>	-2.77
05 05 23 00-1057	EA	1/2" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	15.97
		<i>For >100 To 250, Deduct</i>	-1.89
		<i>For >250 To 500, Deduct</i>	-2.37
		<i>For >500, Deduct</i>	-2.84
05 05 23 00-1058	EA	1/2" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	17.12
		<i>For >100 To 250, Deduct</i>	-1.89
		<i>For >250 To 500, Deduct</i>	-2.37
		<i>For >500, Deduct</i>	-2.84
05 05 23 00-1059	EA	1/2" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	17.40
		<i>For >100 To 250, Deduct</i>	-1.89
		<i>For >250 To 500, Deduct</i>	-2.37
		<i>For >500, Deduct</i>	-2.84
05 05 23 00-1060	EA	1/2" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	18.10
		<i>For >100 To 250, Deduct</i>	-1.94
		<i>For >250 To 500, Deduct</i>	-2.43
		<i>For >500, Deduct</i>	-2.91

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST

05 05 23 00-1061	EA		1/2" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	20.31	
			For >100 To 250, Deduct	-1.94	
			For >250 To 500, Deduct	-2.43	
			For >500, Deduct	-2.91	
05 05 23 00-1062	EA		1/2" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	24.78	
			For >100 To 250, Deduct	-1.94	
			For >250 To 500, Deduct	-2.43	
			For >500, Deduct	-2.91	
05 05 23 00-1063	EA		1/2" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	25.35	
			For >100 To 250, Deduct	-1.99	
			For >250 To 500, Deduct	-2.49	
			For >500, Deduct	-2.98	
05 05 23 00-1064	EA		1/2" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	26.06	
			For >100 To 250, Deduct	-1.99	
			For >250 To 500, Deduct	-2.49	
			For >500, Deduct	-2.98	
05 05 23 00-1065	EA		1/2" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	31.59	
			For >100 To 250, Deduct	-1.99	
			For >250 To 500, Deduct	-2.49	
			For >500, Deduct	-2.98	
05 05 23 00-1066	EA		1/2" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	35.52	
			For >100 To 250, Deduct	-2.03	
			For >250 To 500, Deduct	-2.54	
			For >500, Deduct	-3.05	
05 05 23 00-1067	EA		1/2" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	37.92	
			For >100 To 250, Deduct	-2.03	
			For >250 To 500, Deduct	-2.54	
			For >500, Deduct	-3.05	
05 05 23 00-1068	EA		1/2" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	41.88	
			For >100 To 250, Deduct	-2.03	
			For >250 To 500, Deduct	-2.54	
			For >500, Deduct	-3.05	
05 05 23 00-1069	EA		1/2" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	52.59	
			For >100 To 250, Deduct	-2.08	
			For >250 To 500, Deduct	-2.60	
			For >500, Deduct	-3.12	
05 05 23 00-1070	EA		1/2" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	59.36	
			For >100 To 250, Deduct	-2.08	
			For >250 To 500, Deduct	-2.60	
			For >500, Deduct	-3.12	
05 05 23 00-1071	EA		1/2" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	60.47	
			For >100 To 250, Deduct	-2.08	
			For >250 To 500, Deduct	-2.60	
			For >500, Deduct	-3.12	
05 05 23 00-1072	EA		1/2" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	62.19	
			For >100 To 250, Deduct	-2.08	
			For >250 To 500, Deduct	-2.60	
			For >500, Deduct	-3.12	

05 05 23 00-1073 9/16" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)

05 05 23 00-1074	EA		9/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	31.26	
			For >100 To 250, Deduct	-1.85	
			For >250 To 500, Deduct	-2.31	
			For >500, Deduct	-2.77	
05 05 23 00-1075	EA		9/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	33.69	
			For >100 To 250, Deduct	-1.85	
			For >250 To 500, Deduct	-2.31	
			For >500, Deduct	-2.77	
05 05 23 00-1076	EA		9/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	41.83	
			For >100 To 250, Deduct	-1.85	
			For >250 To 500, Deduct	-2.31	
			For >500, Deduct	-2.77	
05 05 23 00-1077	EA		9/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	46.62	
			For >100 To 250, Deduct	-1.89	
			For >250 To 500, Deduct	-2.37	
			For >500, Deduct	-2.84	
05 05 23 00-1078	EA		9/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	51.43	
			For >100 To 250, Deduct	-1.89	
			For >250 To 500, Deduct	-2.37	
			For >500, Deduct	-2.84	
05 05 23 00-1079	EA		9/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	56.24	
			For >100 To 250, Deduct	-1.89	
			For >250 To 500, Deduct	-2.37	
			For >500, Deduct	-2.84	
05 05 23 00-1080	EA		9/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	59.47	
			For >100 To 250, Deduct	-1.94	
			For >250 To 500, Deduct	-2.43	
			For >500, Deduct	-2.91	
05 05 23 00-1081	EA		9/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	63.43	
			For >100 To 250, Deduct	-1.94	
			For >250 To 500, Deduct	-2.43	
			For >500, Deduct	-2.91	
05 05 23 00-1082	EA		9/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	66.95	
			For >100 To 250, Deduct	-1.94	
			For >250 To 500, Deduct	-2.43	
			For >500, Deduct	-2.91	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 05 23 00-1083	EA	9/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	68.25	
		<i>For >100 To 250, Deduct</i>	-1.99	
		<i>For >250 To 500, Deduct</i>	-2.49	
		<i>For >500, Deduct</i>	-2.98	
05 05 23 00-1084	EA	9/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	71.35	
		<i>For >100 To 250, Deduct</i>	-1.99	
		<i>For >250 To 500, Deduct</i>	-2.49	
		<i>For >500, Deduct</i>	-2.98	

05 05 23 00-1085 5/8" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)

05 05 23 00-1086	EA	5/8" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	17.66	
		<i>For >100 To 250, Deduct</i>	-2.08	
		<i>For >250 To 500, Deduct</i>	-2.60	
		<i>For >500, Deduct</i>	-3.12	
05 05 23 00-1087	EA	5/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	17.87	
		<i>For >100 To 250, Deduct</i>	-2.08	
		<i>For >250 To 500, Deduct</i>	-2.60	
		<i>For >500, Deduct</i>	-3.12	
05 05 23 00-1088	EA	5/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	17.94	
		<i>For >100 To 250, Deduct</i>	-2.08	
		<i>For >250 To 500, Deduct</i>	-2.60	
		<i>For >500, Deduct</i>	-3.12	
05 05 23 00-1089	EA	5/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	19.56	
		<i>For >100 To 250, Deduct</i>	-2.13	
		<i>For >250 To 500, Deduct</i>	-2.66	
		<i>For >500, Deduct</i>	-3.19	
05 05 23 00-1090	EA	5/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	20.99	
		<i>For >100 To 250, Deduct</i>	-2.13	
		<i>For >250 To 500, Deduct</i>	-2.66	
		<i>For >500, Deduct</i>	-3.19	
05 05 23 00-1091	EA	5/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	25.52	
		<i>For >100 To 250, Deduct</i>	-2.13	
		<i>For >250 To 500, Deduct</i>	-2.66	
		<i>For >500, Deduct</i>	-3.19	
05 05 23 00-1092	EA	5/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	26.70	
		<i>For >100 To 250, Deduct</i>	-2.17	
		<i>For >250 To 500, Deduct</i>	-2.72	
		<i>For >500, Deduct</i>	-3.26	
05 05 23 00-1093	EA	5/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	30.66	
		<i>For >100 To 250, Deduct</i>	-2.17	
		<i>For >250 To 500, Deduct</i>	-2.72	
		<i>For >500, Deduct</i>	-3.26	
05 05 23 00-1094	EA	5/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	32.04	
		<i>For >100 To 250, Deduct</i>	-2.17	
		<i>For >250 To 500, Deduct</i>	-2.72	
		<i>For >500, Deduct</i>	-3.26	
05 05 23 00-1095	EA	5/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	34.87	
		<i>For >100 To 250, Deduct</i>	-2.22	
		<i>For >250 To 500, Deduct</i>	-2.77	
		<i>For >500, Deduct</i>	-3.33	
05 05 23 00-1096	EA	5/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	36.00	
		<i>For >100 To 250, Deduct</i>	-2.22	
		<i>For >250 To 500, Deduct</i>	-2.77	
		<i>For >500, Deduct</i>	-3.33	
05 05 23 00-1097	EA	5/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	42.94	
		<i>For >100 To 250, Deduct</i>	-2.22	
		<i>For >250 To 500, Deduct</i>	-2.77	
		<i>For >500, Deduct</i>	-3.33	
05 05 23 00-1098	EA	5/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	45.67	
		<i>For >100 To 250, Deduct</i>	-2.26	
		<i>For >250 To 500, Deduct</i>	-2.83	
		<i>For >500, Deduct</i>	-3.40	
05 05 23 00-1099	EA	5/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	46.55	
		<i>For >100 To 250, Deduct</i>	-2.26	
		<i>For >250 To 500, Deduct</i>	-2.83	
		<i>For >500, Deduct</i>	-3.40	
05 05 23 00-1100	EA	5/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	49.80	
		<i>For >100 To 250, Deduct</i>	-2.26	
		<i>For >250 To 500, Deduct</i>	-2.83	
		<i>For >500, Deduct</i>	-3.40	
05 05 23 00-1101	EA	5/8" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	52.95	
		<i>For >100 To 250, Deduct</i>	-2.31	
		<i>For >250 To 500, Deduct</i>	-2.89	
		<i>For >500, Deduct</i>	-3.47	
05 05 23 00-1102	EA	5/8" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	55.70	
		<i>For >100 To 250, Deduct</i>	-2.31	
		<i>For >250 To 500, Deduct</i>	-2.89	
		<i>For >500, Deduct</i>	-3.47	
05 05 23 00-1103	EA	5/8" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	68.80	
		<i>For >100 To 250, Deduct</i>	-2.31	
		<i>For >250 To 500, Deduct</i>	-2.89	
		<i>For >500, Deduct</i>	-3.47	
05 05 23 00-1104	EA	5/8" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	82.81	
		<i>For >100 To 250, Deduct</i>	-2.31	
		<i>For >250 To 500, Deduct</i>	-2.89	
		<i>For >500, Deduct</i>	-3.47	

05 05 23 00-1105 3/4" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1106	EA	3/4" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	23.17	
		For >100 To 250, Deduct	-2.08	
		For >250 To 500, Deduct	-2.60	
		For >500, Deduct	-3.12	
05 05 23 00-1107	EA	3/4" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	23.67	
		For >100 To 250, Deduct	-2.08	
		For >250 To 500, Deduct	-2.60	
		For >500, Deduct	-3.12	
05 05 23 00-1108	EA	3/4" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	25.55	
		For >100 To 250, Deduct	-2.08	
		For >250 To 500, Deduct	-2.60	
		For >500, Deduct	-3.12	
05 05 23 00-1109	EA	3/4" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	27.44	
		For >100 To 250, Deduct	-2.13	
		For >250 To 500, Deduct	-2.66	
		For >500, Deduct	-3.19	
05 05 23 00-1110	EA	3/4" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	30.96	
		For >100 To 250, Deduct	-2.13	
		For >250 To 500, Deduct	-2.66	
		For >500, Deduct	-3.19	
05 05 23 00-1111	EA	3/4" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	33.00	
		For >100 To 250, Deduct	-2.13	
		For >250 To 500, Deduct	-2.66	
		For >500, Deduct	-3.19	
05 05 23 00-1112	EA	3/4" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	37.58	
		For >100 To 250, Deduct	-2.17	
		For >250 To 500, Deduct	-2.72	
		For >500, Deduct	-3.26	
05 05 23 00-1113	EA	3/4" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	39.38	
		For >100 To 250, Deduct	-2.17	
		For >250 To 500, Deduct	-2.72	
		For >500, Deduct	-3.26	
05 05 23 00-1114	EA	3/4" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	40.37	
		For >100 To 250, Deduct	-2.17	
		For >250 To 500, Deduct	-2.72	
		For >500, Deduct	-3.26	
05 05 23 00-1115	EA	3/4" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	41.92	
		For >100 To 250, Deduct	-2.22	
		For >250 To 500, Deduct	-2.77	
		For >500, Deduct	-3.33	
05 05 23 00-1116	EA	3/4" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	44.17	
		For >100 To 250, Deduct	-2.22	
		For >250 To 500, Deduct	-2.77	
		For >500, Deduct	-3.33	
05 05 23 00-1117	EA	3/4" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	51.12	
		For >100 To 250, Deduct	-2.22	
		For >250 To 500, Deduct	-2.77	
		For >500, Deduct	-3.33	
05 05 23 00-1118	EA	3/4" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	61.39	
		For >100 To 250, Deduct	-2.26	
		For >250 To 500, Deduct	-2.83	
		For >500, Deduct	-3.40	
05 05 23 00-1119	EA	3/4" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	69.21	
		For >100 To 250, Deduct	-2.26	
		For >250 To 500, Deduct	-2.83	
		For >500, Deduct	-3.40	
05 05 23 00-1120	EA	3/4" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	70.39	
		For >100 To 250, Deduct	-2.26	
		For >250 To 500, Deduct	-2.83	
		For >500, Deduct	-3.40	
05 05 23 00-1121	EA	3/4" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	75.32	
		For >100 To 250, Deduct	-2.31	
		For >250 To 500, Deduct	-2.89	
		For >500, Deduct	-3.47	
05 05 23 00-1122	EA	3/4" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	87.18	
		For >100 To 250, Deduct	-2.31	
		For >250 To 500, Deduct	-2.89	
		For >500, Deduct	-3.47	
05 05 23 00-1123	EA	3/4" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	88.18	
		For >100 To 250, Deduct	-2.31	
		For >250 To 500, Deduct	-2.89	
		For >500, Deduct	-3.47	
05 05 23 00-1124	EA	3/4" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	90.68	
		For >100 To 250, Deduct	-2.31	
		For >250 To 500, Deduct	-2.89	
		For >500, Deduct	-3.47	
05 05 23 00-1125		7/8" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)		
05 05 23 00-1126	EA	7/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	26.12	
		For >100 To 250, Deduct	-2.31	
		For >250 To 500, Deduct	-2.89	
		For >500, Deduct	-3.47	
05 05 23 00-1127	EA	7/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	29.38	
		For >100 To 250, Deduct	-2.31	
		For >250 To 500, Deduct	-2.89	
		For >500, Deduct	-3.47	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 05 23 00-1128	EA	7/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	31.40	
		For >100 To 250, Deduct	-2.36	
		For >250 To 500, Deduct	-2.95	
		For >500, Deduct	-3.54	
05 05 23 00-1129	EA	7/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	35.96	
		For >100 To 250, Deduct	-2.36	
		For >250 To 500, Deduct	-2.95	
		For >500, Deduct	-3.54	
05 05 23 00-1130	EA	7/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	38.00	
		For >100 To 250, Deduct	-2.36	
		For >250 To 500, Deduct	-2.95	
		For >500, Deduct	-3.54	
05 05 23 00-1131	EA	7/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	40.03	
		For >100 To 250, Deduct	-2.40	
		For >250 To 500, Deduct	-3.01	
		For >500, Deduct	-3.61	
05 05 23 00-1132	EA	7/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	42.80	
		For >100 To 250, Deduct	-2.40	
		For >250 To 500, Deduct	-3.01	
		For >500, Deduct	-3.61	
05 05 23 00-1133	EA	7/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	49.02	
		For >100 To 250, Deduct	-2.40	
		For >250 To 500, Deduct	-3.01	
		For >500, Deduct	-3.61	
05 05 23 00-1134	EA	7/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	49.39	
		For >100 To 250, Deduct	-2.45	
		For >250 To 500, Deduct	-3.06	
		For >500, Deduct	-3.67	
05 05 23 00-1135	EA	7/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	51.45	
		For >100 To 250, Deduct	-2.45	
		For >250 To 500, Deduct	-3.06	
		For >500, Deduct	-3.67	
05 05 23 00-1136	EA	7/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	68.86	
		For >100 To 250, Deduct	-2.45	
		For >250 To 500, Deduct	-3.06	
		For >500, Deduct	-3.67	
05 05 23 00-1137	EA	7/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	76.77	
		For >100 To 250, Deduct	-2.49	
		For >250 To 500, Deduct	-3.12	
		For >500, Deduct	-3.74	
05 05 23 00-1138	EA	7/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	85.03	
		For >100 To 250, Deduct	-2.49	
		For >250 To 500, Deduct	-3.12	
		For >500, Deduct	-3.74	
05 05 23 00-1139	EA	7/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	89.10	
		For >100 To 250, Deduct	-2.49	
		For >250 To 500, Deduct	-3.12	
		For >500, Deduct	-3.74	
05 05 23 00-1140	EA	7/8" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	94.62	
		For >100 To 250, Deduct	-2.54	
		For >250 To 500, Deduct	-3.18	
		For >500, Deduct	-3.81	
05 05 23 00-1141	EA	7/8" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	98.16	
		For >100 To 250, Deduct	-2.54	
		For >250 To 500, Deduct	-3.18	
		For >500, Deduct	-3.81	
05 05 23 00-1142	EA	7/8" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	101.66	
		For >100 To 250, Deduct	-2.54	
		For >250 To 500, Deduct	-3.18	
		For >500, Deduct	-3.81	
05 05 23 00-1143	EA	7/8" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	105.61	
		For >100 To 250, Deduct	-2.54	
		For >250 To 500, Deduct	-3.18	
		For >500, Deduct	-3.81	

05 05 23 00-1144 1" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)

05 05 23 00-1145	EA	1" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	33.29	
		For >100 To 250, Deduct	-2.31	
		For >250 To 500, Deduct	-2.89	
		For >500, Deduct	-3.47	
05 05 23 00-1146	EA	1" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	38.55	
		For >100 To 250, Deduct	-2.36	
		For >250 To 500, Deduct	-2.95	
		For >500, Deduct	-3.54	
05 05 23 00-1147	EA	1" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	41.91	
		For >100 To 250, Deduct	-2.36	
		For >250 To 500, Deduct	-2.95	
		For >500, Deduct	-3.54	
05 05 23 00-1148	EA	1" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	47.29	
		For >100 To 250, Deduct	-2.36	
		For >250 To 500, Deduct	-2.95	
		For >500, Deduct	-3.54	
05 05 23 00-1149	EA	1" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	49.44	
		For >100 To 250, Deduct	-2.40	
		For >250 To 500, Deduct	-3.01	
		For >500, Deduct	-3.61	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST

05 05 23 00-1150	EA		1" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	53.08	
			For >100 To 250, Deduct	-2.40	
			For >250 To 500, Deduct	-3.01	
			For >500, Deduct	-3.61	
05 05 23 00-1151	EA		1" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	56.77	
			For >100 To 250, Deduct	-2.40	
			For >250 To 500, Deduct	-3.01	
			For >500, Deduct	-3.61	
05 05 23 00-1152	EA		1" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	60.69	
			For >100 To 250, Deduct	-2.45	
			For >250 To 500, Deduct	-3.06	
			For >500, Deduct	-3.67	
05 05 23 00-1153	EA		1" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	70.20	
			For >100 To 250, Deduct	-2.45	
			For >250 To 500, Deduct	-3.06	
			For >500, Deduct	-3.67	
05 05 23 00-1154	EA		1" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	79.57	
			For >100 To 250, Deduct	-2.45	
			For >250 To 500, Deduct	-3.06	
			For >500, Deduct	-3.67	
05 05 23 00-1155	EA		1" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	92.63	
			For >100 To 250, Deduct	-2.49	
			For >250 To 500, Deduct	-3.12	
			For >500, Deduct	-3.74	
05 05 23 00-1156	EA		1" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	103.41	
			For >100 To 250, Deduct	-2.49	
			For >250 To 500, Deduct	-3.12	
			For >500, Deduct	-3.74	
05 05 23 00-1157	EA		1" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	104.96	
			For >100 To 250, Deduct	-2.49	
			For >250 To 500, Deduct	-3.12	
			For >500, Deduct	-3.74	
05 05 23 00-1158	EA		1" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	108.71	
			For >100 To 250, Deduct	-2.54	
			For >250 To 500, Deduct	-3.18	
			For >500, Deduct	-3.81	
05 05 23 00-1159	EA		1" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	110.19	
			For >100 To 250, Deduct	-2.54	
			For >250 To 500, Deduct	-3.18	
			For >500, Deduct	-3.81	
05 05 23 00-1160	EA		1" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	128.09	
			For >100 To 250, Deduct	-2.54	
			For >250 To 500, Deduct	-3.18	
			For >500, Deduct	-3.81	
05 05 23 00-1161	EA		1" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	145.37	
			For >100 To 250, Deduct	-2.54	
			For >250 To 500, Deduct	-3.18	
			For >500, Deduct	-3.81	

05 05 23 00-1162 Screws (05 05 23)

05 05 23 00-1163 Teks® 5 Self Drilling Screws (05 05 23 00-1162)

Note: Includes Climaseal® finish, self-drill point and tapping threads.

05 05 23 00-1164	EA		12-24 x 1-1/4", Hex Washer Head, Teks® 5 Self Drilling Screw	4.39	
			For >10 To 50, Deduct	-0.19	
			For >50 To 100, Deduct	-0.40	
			For >100, Deduct	-0.80	
05 05 23 00-1165	EA		12-24 x 1-1/2", Hex Washer Head, Teks® 5 Self Drilling Screw	4.58	
			For >10 To 50, Deduct	-0.19	
			For >50 To 100, Deduct	-0.40	
			For >100, Deduct	-0.81	
05 05 23 00-1166	EA		12-24 x 2", Hex Washer Head, Teks® 5 Self Drilling Screw	5.11	
			For >10 To 50, Deduct	-0.21	
			For >50 To 100, Deduct	-0.44	
			For >100, Deduct	-0.87	
05 05 23 00-1167	EA		1/4" x 3", 28 TPI, Hex Washer Head, Teks® 5 Self Drilling Screw	7.04	
			For >10 To 50, Deduct	-0.26	
			For >50 To 100, Deduct	-0.56	
			For >100, Deduct	-1.12	
05 05 23 00-1168	EA		1/4" x 4", 28 TPI, Hex Washer Head, Teks® 5 Self Drilling Screw	7.53	
			For >10 To 50, Deduct	-0.27	
			For >50 To 100, Deduct	-0.59	
			For >100, Deduct	-1.19	
05 05 23 00-1169	EA		1/4" x 6", 28 TPI, Hex Washer Head, Teks® 5 Self Drilling Screw	9.34	
			For >10 To 50, Deduct	-0.28	
			For >50 To 100, Deduct	-0.66	
			For >100, Deduct	-1.31	
05 05 23 00-1170	EA		1/4" x 8", 28 TPI, Hex Washer Head, Teks® 5 Self Drilling Screw	10.44	
			For >10 To 50, Deduct	-0.30	
			For >50 To 100, Deduct	-0.70	
			For >100, Deduct	-1.41	

05 05 23 00-1171 Security Screws (05 05 23 00-1162)

05 05 23 00-1172 304/18-8 Stainless Steel, Security Screws (05 05 23 00-1171)

Note: Includes "security" style drive in machine or sheet metal screw threads.

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 05 23 00-1173	EA #4 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screws	3.42	
	For >10 To 50, Deduct	-0.16	
	For >50 To 100, Deduct	-0.33	
	For >100, Deduct	-0.66	
05 05 23 00-1174	EA #6 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw	3.93	
	For >10 To 50, Deduct	-0.16	
	For >50 To 100, Deduct	-0.34	
	For >100, Deduct	-0.68	
05 05 23 00-1175	EA #6 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw	4.36	
	For >10 To 50, Deduct	-0.16	
	For >50 To 100, Deduct	-0.35	
	For >100, Deduct	-0.70	
05 05 23 00-1176	EA #6 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw	4.51	
	For >10 To 50, Deduct	-0.16	
	For >50 To 100, Deduct	-0.36	
	For >100, Deduct	-0.71	
05 05 23 00-1177	EA #6 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw	4.79	
	For >10 To 50, Deduct	-0.16	
	For >50 To 100, Deduct	-0.36	
	For >100, Deduct	-0.72	
05 05 23 00-1178	EA #8 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw	4.04	
	For >10 To 50, Deduct	-0.16	
	For >50 To 100, Deduct	-0.34	
	For >100, Deduct	-0.69	
05 05 23 00-1179	EA #8 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw	4.24	
	For >10 To 50, Deduct	-0.16	
	For >50 To 100, Deduct	-0.35	
	For >100, Deduct	-0.70	
05 05 23 00-1180	EA #8 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw	4.68	
	For >10 To 50, Deduct	-0.16	
	For >50 To 100, Deduct	-0.36	
	For >100, Deduct	-0.72	
05 05 23 00-1181	EA #8 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw	4.81	
	For >10 To 50, Deduct	-0.16	
	For >50 To 100, Deduct	-0.36	
	For >100, Deduct	-0.73	
05 05 23 00-1182	EA #10 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw	4.17	
	For >10 To 50, Deduct	-0.16	
	For >50 To 100, Deduct	-0.35	
	For >100, Deduct	-0.69	
05 05 23 00-1183	EA #10 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw	4.23	
	For >10 To 50, Deduct	-0.16	
	For >50 To 100, Deduct	-0.35	
	For >100, Deduct	-0.70	
05 05 23 00-1184	EA #10 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw	4.41	
	For >10 To 50, Deduct	-0.16	
	For >50 To 100, Deduct	-0.35	
	For >100, Deduct	-0.71	
05 05 23 00-1185	EA #10 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw	5.00	
	For >10 To 50, Deduct	-0.16	
	For >50 To 100, Deduct	-0.37	
	For >100, Deduct	-0.73	
05 05 23 00-1186	EA 1/4" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw	4.51	
	For >10 To 50, Deduct	-0.16	
	For >50 To 100, Deduct	-0.36	
	For >100, Deduct	-0.71	
05 05 23 00-1187	EA 1/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw	4.64	
	For >10 To 50, Deduct	-0.16	
	For >50 To 100, Deduct	-0.36	
	For >100, Deduct	-0.72	
05 05 23 00-1188	EA 1/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw	5.20	
	For >10 To 50, Deduct	-0.16	
	For >50 To 100, Deduct	-0.37	
	For >100, Deduct	-0.74	
05 05 23 00-1189	EA 1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw	6.09	
	For >10 To 50, Deduct	-0.16	
	For >50 To 100, Deduct	-0.39	
	For >100, Deduct	-0.79	

05 05 23 00-1190 Threaded Rod (05 05 23)

Note: Fully threaded. See CSI section 05 05 19 00-0169 for anchoring adhesive, 05 05 23 00-1283 for nuts and washers.

05 05 23 00-1191 Plain Finish Steel, Low Carbon Threaded Rod (05 05 23 00-1190)

05 05 23 00-1192	LF 1/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	2.78	0.54
	For Left Hand Threaded Rod, Add	0.17	
05 05 23 00-1193	LF 5/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	3.75	0.60
	For Left Hand Threaded Rod, Add	0.26	
05 05 23 00-1194	LF 3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	4.37	0.69
	For Left Hand Threaded Rod, Add	0.30	
05 05 23 00-1195	LF 7/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	6.07	0.71
	For Left Hand Threaded Rod, Add	0.47	
05 05 23 00-1196	LF 1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	6.22	0.74
	For Left Hand Threaded Rod, Add	0.48	
05 05 23 00-1197	LF 9/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	7.84	0.75
	For Left Hand Threaded Rod, Add	0.64	
05 05 23 00-1198	LF 5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	8.90	0.76
	For Left Hand Threaded Rod, Add	0.74	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1199	LF	3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	14.98 1.34	0.78
05 05 23 00-1200	LF	7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	16.37 1.48	0.81
05 05 23 00-1201	LF	1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	22.54 2.07	0.91
05 05 23 00-1202	LF	1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	28.17 2.61	1.01
05 05 23 00-1203	LF	1-1/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	37.53 3.53	1.09
05 05 23 00-1204	LF	1-3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	46.89 4.45	1.19
05 05 23 00-1205	LF	1-1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	56.24 5.38	1.24
05 05 23 00-1206	LF	1-3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	69.15 6.66	1.30
05 05 23 00-1207	LF	2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	88.57 8.58	1.37
05 05 23 00-1208 Zinc Plated Steel, Low Carbon Threaded Rod (05 05 23 00-1190)				
05 05 23 00-1209	LF	1/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	2.80 0.17	0.54
05 05 23 00-1210	LF	5/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	4.31 0.31	0.60
05 05 23 00-1211	LF	3/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	4.79 0.34	0.69
05 05 23 00-1212	LF	7/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	7.13 0.57	0.71
05 05 23 00-1213	LF	1/2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	7.70 0.63	0.74
05 05 23 00-1214	LF	9/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	10.25 0.88	0.75
05 05 23 00-1215	LF	5/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	10.92 0.94	0.76
05 05 23 00-1216	LF	3/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	16.72 1.52	0.78
05 05 23 00-1217	LF	7/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	21.82 2.02	0.81
05 05 23 00-1218	LF	1" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	29.42 2.76	0.91
05 05 23 00-1219	LF	1-1/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	38.11 3.61	1.01
05 05 23 00-1220	LF	1-1/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	45.53 4.33	1.09
05 05 23 00-1221	LF	1-3/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	51.85 4.95	1.19
05 05 23 00-1222	LF	1-1/2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	65.50 6.30	1.24
05 05 23 00-1223	LF	1-3/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	81.34 7.87	1.30
05 05 23 00-1224	LF	2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	119.14 11.64	1.37
05 05 23 00-1225 Hot Dipped Galvanized Steel, Low Carbon Threaded Rod (05 05 23 00-1190)				
05 05 23 00-1226	LF	3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	8.26 0.69	0.69
05 05 23 00-1227	LF	1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	11.74 1.03	0.74
05 05 23 00-1228	LF	5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	16.04 1.45	0.76
05 05 23 00-1229	LF	3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	22.23 2.07	0.78
05 05 23 00-1230	LF	7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	31.00 2.94	0.81
05 05 23 00-1231	LF	1" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	40.10 3.83	0.91
05 05 23 00-1232	LF	1-1/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	52.91 5.09	1.01
05 05 23 00-1233	LF	1-1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	69.73 6.75	1.09
05 05 23 00-1234	LF	1-3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	78.01 7.56	1.19
05 05 23 00-1235	LF	1-1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	93.01 9.05	1.24
05 05 23 00-1236	LF	1-3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	113.16 11.06	1.30
05 05 23 00-1237	LF	2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	198.27 19.55	1.37
05 05 23 00-1238 304/18-8 Stainless Steel Threaded Rod (05 05 23 00-1190)				
05 05 23 00-1239	LF	1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	3.75 0.27	0.54
05 05 23 00-1240	LF	5/16" Diameter, 304/18-8 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	5.75 0.46	0.60

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 05 23 00-1241	LF 3/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	7.44	0.69
	<i>For Left Hand Threaded Rod, Add</i>	0.61	
05 05 23 00-1242	LF 7/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	10.44	0.71
	<i>For Left Hand Threaded Rod, Add</i>	0.90	
05 05 23 00-1243	LF 1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod	12.57	0.74
	<i>For Left Hand Threaded Rod, Add</i>	1.11	
05 05 23 00-1244	LF 9/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	18.22	0.75
	<i>For Left Hand Threaded Rod, Add</i>	1.67	
05 05 23 00-1245	LF 5/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	19.04	0.76
	<i>For Left Hand Threaded Rod, Add</i>	1.75	
05 05 23 00-1246	LF 3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	26.78	0.78
	<i>For Left Hand Threaded Rod, Add</i>	2.52	
05 05 23 00-1247	LF 7/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	36.96	0.81
	<i>For Left Hand Threaded Rod, Add</i>	3.54	
05 05 23 00-1248	LF 1" Diameter, 304/18-8 Stainless Steel Threaded Rod	47.46	0.91
	<i>For Left Hand Threaded Rod, Add</i>	4.56	
05 05 23 00-1249	LF 1-1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	100.82	1.09
	<i>For Left Hand Threaded Rod, Add</i>	9.85	
05 05 23 00-1250	LF 1-1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod	153.73	1.24
	<i>For Left Hand Threaded Rod, Add</i>	15.12	
05 05 23 00-1251	LF 1-3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	158.11	1.30
	<i>For Left Hand Threaded Rod, Add</i>	15.55	
05 05 23 00-1252	LF 2" Diameter, 304/18-8 Stainless Steel Threaded Rod	218.98	1.37
	<i>For Left Hand Threaded Rod, Add</i>	21.63	

05 05 23 00-1253 316 Stainless Steel Threaded Rod (05 05 23 00-1190)

05 05 23 00-1254	LF 1/4" Diameter, 316 Stainless Steel Threaded Rod	5.54	0.54
	<i>For Left Hand Threaded Rod, Add</i>	0.45	
05 05 23 00-1255	LF 5/16" Diameter, 316 Stainless Steel Threaded Rod	9.06	0.60
	<i>For Left Hand Threaded Rod, Add</i>	0.79	
05 05 23 00-1256	LF 3/8" Diameter, 316 Stainless Steel Threaded Rod	12.09	0.69
	<i>For Left Hand Threaded Rod, Add</i>	1.07	
05 05 23 00-1257	LF 7/16" Diameter, 316 Stainless Steel Threaded Rod	19.03	0.71
	<i>For Left Hand Threaded Rod, Add</i>	1.76	
05 05 23 00-1258	LF 1/2" Diameter, 316 Stainless Steel Threaded Rod	20.19	0.74
	<i>For Left Hand Threaded Rod, Add</i>	1.87	
05 05 23 00-1259	LF 9/16" Diameter, 316 Stainless Steel Threaded Rod	26.58	0.75
	<i>For Left Hand Threaded Rod, Add</i>	2.51	
05 05 23 00-1260	LF 5/8" Diameter, 316 Stainless Steel Threaded Rod	28.63	0.76
	<i>For Left Hand Threaded Rod, Add</i>	2.71	
05 05 23 00-1261	LF 3/4" Diameter, 316 Stainless Steel Threaded Rod	41.88	0.78
	<i>For Left Hand Threaded Rod, Add</i>	4.03	
05 05 23 00-1262	LF 7/8" Diameter, 316 Stainless Steel Threaded Rod	57.47	0.81
	<i>For Left Hand Threaded Rod, Add</i>	5.59	
05 05 23 00-1263	LF 1" Diameter, 316 Stainless Steel Threaded Rod	72.76	0.91
	<i>For Left Hand Threaded Rod, Add</i>	7.09	
05 05 23 00-1264	LF 1-1/4" Diameter, 316 Stainless Steel Threaded Rod	153.97	1.09
	<i>For Left Hand Threaded Rod, Add</i>	15.17	
05 05 23 00-1265	LF 1-1/2" Diameter, 316 Stainless Steel Threaded Rod	201.94	1.24
	<i>For Left Hand Threaded Rod, Add</i>	19.95	

05 05 23 00-1266 Plain Finish Steel, B-7 Alloy Threaded Rod (05 05 23 00-1190)

05 05 23 00-1267	LF 1/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	5.16	0.54
	<i>For Zinc Plating, Add</i>	2.04	
05 05 23 00-1268	LF 5/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	8.16	0.60
	<i>For Zinc Plating, Add</i>	3.48	
05 05 23 00-1269	LF 3/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	8.49	0.69
	<i>For Zinc Plating, Add</i>	3.56	
05 05 23 00-1270	LF 7/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	9.31	0.71
	<i>For Zinc Plating, Add</i>	3.95	
05 05 23 00-1271	LF 1/2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	10.30	0.74
	<i>For Zinc Plating, Add</i>	4.43	
05 05 23 00-1272	LF 9/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	13.02	0.75
	<i>For Zinc Plating, Add</i>	5.77	
05 05 23 00-1273	LF 5/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	13.45	0.76
	<i>For Zinc Plating, Add</i>	5.97	
05 05 23 00-1274	LF 3/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	18.06	0.78
	<i>For Zinc Plating, Add</i>	8.26	
05 05 23 00-1275	LF 7/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	21.76	0.81
	<i>For Zinc Plating, Add</i>	10.08	
05 05 23 00-1276	LF 1" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	28.35	0.91
	<i>For Zinc Plating, Add</i>	13.27	
05 05 23 00-1277	LF 1-1/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	37.05	1.01
	<i>For Zinc Plating, Add</i>	17.51	
05 05 23 00-1278	LF 1-1/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	41.22	1.09
	<i>For Zinc Plating, Add</i>	19.47	
05 05 23 00-1279	LF 1-3/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	47.69	1.19
	<i>For Zinc Plating, Add</i>	22.66	
05 05 23 00-1280	LF 1-1/2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	58.19	1.24
	<i>For Zinc Plating, Add</i>	27.85	
05 05 23 00-1281	LF 1-3/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	60.13	1.30
	<i>For Zinc Plating, Add</i>	28.77	
05 05 23 00-1282	LF 2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	81.06	1.37
	<i>For Zinc Plating, Add</i>	39.17	

05 05 23 00-1283

Nuts And Washers (05 05 23)

05 05 23 00-1284

Hex Nuts (05 05 23 00-1283)

05 05 23 00-1285

Zinc Plated Steel, Low Carbon/Grade 2 Hex Nuts (05 05 23 00-1284)

05 05 23 00-1286	EA	1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	0.72	0.32
05 05 23 00-1287	EA	5/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	0.80	0.32
05 05 23 00-1288	EA	3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	0.86	0.32
05 05 23 00-1289	EA	7/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	1.00	0.32
05 05 23 00-1290	EA	1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	1.09	0.32
05 05 23 00-1291	EA	9/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	1.45	0.32
05 05 23 00-1292	EA	5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	1.50	0.32
05 05 23 00-1293	EA	3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	1.78	0.64
05 05 23 00-1294	EA	7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	2.63	0.64
05 05 23 00-1295	EA	1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	3.34	0.64
05 05 23 00-1296	EA	1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	5.49	0.64
05 05 23 00-1297	EA	1-1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	6.73	0.64
05 05 23 00-1298	EA	1-3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	9.93	0.64
05 05 23 00-1299	EA	1-1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	11.50	0.97
05 05 23 00-1300	EA	1-3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	16.92	0.97
05 05 23 00-1301	EA	2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	24.48	0.97

05 05 23 00-1302

Zinc Plated Steel, Grade 5 Hex Nuts (05 05 23 00-1284)

05 05 23 00-1303	EA	1/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	0.74	0.32
05 05 23 00-1304	EA	5/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	0.81	0.32
05 05 23 00-1305	EA	3/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	0.89	0.32
05 05 23 00-1306	EA	7/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	1.04	0.32
05 05 23 00-1307	EA	1/2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	1.23	0.32
05 05 23 00-1308	EA	9/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	1.49	0.32
05 05 23 00-1309	EA	5/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	1.53	0.32
05 05 23 00-1310	EA	3/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	2.02	0.64
05 05 23 00-1311	EA	7/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	2.87	0.64
05 05 23 00-1312	EA	1" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	4.06	0.64
05 05 23 00-1313	EA	1-1/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	6.21	0.64
05 05 23 00-1314	EA	1-1/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	8.80	0.64
05 05 23 00-1315	EA	1-3/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	12.95	0.64
05 05 23 00-1316	EA	1-1/2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	14.31	0.97
05 05 23 00-1317	EA	1-3/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	25.88	0.97
05 05 23 00-1318	EA	2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	37.13	0.97

05 05 23 00-1319

Zinc Plated Steel, Grade 8 Hex Nuts (05 05 23 00-1284)

05 05 23 00-1320	EA	1/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	0.76	0.32
05 05 23 00-1321	EA	5/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	0.87	0.32
05 05 23 00-1322	EA	3/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	0.95	0.32
05 05 23 00-1323	EA	7/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	1.19	0.32
05 05 23 00-1324	EA	1/2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	1.44	0.32
05 05 23 00-1325	EA	9/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	1.73	0.32
05 05 23 00-1326	EA	5/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	1.97	0.32
05 05 23 00-1327	EA	3/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	2.46	0.64
05 05 23 00-1328	EA	7/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	3.71	0.64
05 05 23 00-1329	EA	1" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	4.95	0.64
05 05 23 00-1330	EA	1-1/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	7.77	0.64
05 05 23 00-1331	EA	1-1/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	9.70	0.64
05 05 23 00-1332	EA	1-3/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	16.02	0.64
05 05 23 00-1333	EA	1-1/2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	17.00	0.97
05 05 23 00-1334	EA	1-3/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	25.95	0.97
05 05 23 00-1335	EA	2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	36.72	0.97

05 05 23 00-1336

Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nuts (05 05 23 00-1284)

05 05 23 00-1337	EA	1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	0.76	0.32
05 05 23 00-1338	EA	5/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	0.85	0.32
05 05 23 00-1339	EA	3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	0.93	0.32
05 05 23 00-1340	EA	7/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	1.17	0.32
05 05 23 00-1341	EA	1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	1.35	0.32
05 05 23 00-1342	EA	9/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	1.51	0.32
05 05 23 00-1343	EA	5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	1.67	0.32
05 05 23 00-1344	EA	3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	2.24	0.64
05 05 23 00-1345	EA	7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	3.27	0.64
05 05 23 00-1346	EA	1" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	4.52	0.64
05 05 23 00-1347	EA	1-1/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	7.51	0.64
05 05 23 00-1348	EA	1-1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	9.64	0.64
05 05 23 00-1349	EA	1-3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	14.34	0.64
05 05 23 00-1350	EA	1-1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	16.74	0.97
05 05 23 00-1351	EA	1-3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	29.23	0.97
05 05 23 00-1352	EA	2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	50.62	0.97

05 05 23 00-1353

304 Stainless Steel Hex Nuts (05 05 23 00-1284)

05 05 23 00-1354	EA	1/4" Diameter, 304 Stainless Steel Hex Nut.....	0.86	0.32
05 05 23 00-1355	EA	5/16" Diameter, 304 Stainless Steel Hex Nut.....	1.01	0.32
05 05 23 00-1356	EA	3/8" Diameter, 304 Stainless Steel Hex Nut.....	1.15	0.32

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 05 23 00-1357	EA	7/16" Diameter, 304 Stainless Steel Hex Nut.....	1.73	0.32
05 05 23 00-1358	EA	1/2" Diameter, 304 Stainless Steel Hex Nut.....	1.87	0.32
05 05 23 00-1359	EA	9/16" Diameter, 304 Stainless Steel Hex Nut.....	2.88	0.32
05 05 23 00-1360	EA	5/8" Diameter, 304 Stainless Steel Hex Nut.....	3.22	0.32
05 05 23 00-1361	EA	3/4" Diameter, 304 Stainless Steel Hex Nut.....	3.71	0.64
05 05 23 00-1362	EA	7/8" Diameter, 304 Stainless Steel Hex Nut.....	6.12	0.64
05 05 23 00-1363	EA	1" Diameter, 304 Stainless Steel Hex Nut.....	9.40	0.64
05 05 23 00-1364	EA	1-1/4" Diameter, 304 Stainless Steel Hex Nut.....	22.69	0.64
05 05 23 00-1365	EA	1-1/2" Diameter, 304 Stainless Steel Hex Nut.....	43.69	0.97
05 05 23 00-1366	EA	1-3/4" Diameter, 304 Stainless Steel Hex Nut.....	76.91	0.97
05 05 23 00-1367	EA	2" Diameter, 304 Stainless Steel Hex Nut.....	109.67	0.97

05 05 23 00-1368 316 Stainless Steel Hex Nuts (05 05 23 00-1284)

05 05 23 00-1369	EA	1/4" Diameter, 316 Stainless Steel Hex Nut.....	1.01	0.32
05 05 23 00-1370	EA	5/16" Diameter, 316 Stainless Steel Hex Nut.....	1.15	0.32
05 05 23 00-1371	EA	3/8" Diameter, 316 Stainless Steel Hex Nut.....	1.38	0.32
05 05 23 00-1372	EA	7/16" Diameter, 316 Stainless Steel Hex Nut.....	2.29	0.32
05 05 23 00-1373	EA	1/2" Diameter, 316 Stainless Steel Hex Nut.....	2.46	0.32
05 05 23 00-1374	EA	9/16" Diameter, 316 Stainless Steel Hex Nut.....	3.37	0.32
05 05 23 00-1375	EA	5/8" Diameter, 316 Stainless Steel Hex Nut.....	3.82	0.32
05 05 23 00-1376	EA	3/4" Diameter, 316 Stainless Steel Hex Nut.....	5.35	0.64
05 05 23 00-1377	EA	7/8" Diameter, 316 Stainless Steel Hex Nut.....	7.46	0.64
05 05 23 00-1378	EA	1" Diameter, 316 Stainless Steel Hex Nut.....	11.53	0.64
05 05 23 00-1379	EA	1-1/4" Diameter, 316 Stainless Steel Hex Nut.....	35.25	0.64
05 05 23 00-1380	EA	1-1/2" Diameter, 316 Stainless Steel Hex Nut.....	57.08	0.97
05 05 23 00-1381	EA	1-3/4" Diameter, 316 Stainless Steel Hex Nut.....	96.41	0.97
05 05 23 00-1382	EA	2" Diameter, 316 Stainless Steel Hex Nut.....	179.35	0.97

05 05 23 00-1383 Flat Washers (05 05 23 00-1283)**05 05 23 00-1384 Zinc Plated Steel, Low Carbon Flat Washers** (05 05 23 00-1383)

05 05 23 00-1385	EA	1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.05	
05 05 23 00-1386	EA	5/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.09	
05 05 23 00-1387	EA	3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.16	
05 05 23 00-1388	EA	7/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.24	
05 05 23 00-1389	EA	1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.34	
05 05 23 00-1390	EA	9/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.39	
05 05 23 00-1391	EA	5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.66	
05 05 23 00-1392	EA	3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.95	
05 05 23 00-1393	EA	7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	1.13	
05 05 23 00-1394	EA	1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	1.39	
05 05 23 00-1395	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	1.57	
05 05 23 00-1396	EA	1-1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	1.88	
05 05 23 00-1397	EA	1-3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	2.95	
05 05 23 00-1398	EA	1-1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	3.02	
05 05 23 00-1399	EA	1-3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	4.47	
05 05 23 00-1400	EA	2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	5.56	

05 05 23 00-1401 Zinc Plated Steel, Hardened Flat Washers (05 05 23 00-1383)

05 05 23 00-1402	EA	1/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.20	
05 05 23 00-1403	EA	5/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.28	
05 05 23 00-1404	EA	3/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.32	
05 05 23 00-1405	EA	7/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.44	
05 05 23 00-1406	EA	1/2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.59	
05 05 23 00-1407	EA	9/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.95	
05 05 23 00-1408	EA	5/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	1.36	
05 05 23 00-1409	EA	3/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	1.92	
05 05 23 00-1410	EA	7/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	3.21	
05 05 23 00-1411	EA	1" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	3.56	
05 05 23 00-1412	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	5.17	
05 05 23 00-1413	EA	1-1/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	5.65	
05 05 23 00-1414	EA	1-3/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	7.45	
05 05 23 00-1415	EA	1-1/2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	8.52	
05 05 23 00-1416	EA	1-3/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	11.45	
05 05 23 00-1417	EA	2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	13.74	

05 05 23 00-1418 Hot Dipped Galvanized Steel Flat Washers (05 05 23 00-1383)

05 05 23 00-1419	EA	1/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.13	
05 05 23 00-1420	EA	5/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.19	
05 05 23 00-1421	EA	3/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.21	
05 05 23 00-1422	EA	7/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.40	
05 05 23 00-1423	EA	1/2" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.51	
05 05 23 00-1424	EA	9/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.84	
05 05 23 00-1425	EA	5/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.94	
05 05 23 00-1426	EA	3/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	1.42	
05 05 23 00-1427	EA	7/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	2.00	
05 05 23 00-1428	EA	1" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	2.20	
05 05 23 00-1429	EA	1-1/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	3.36	
05 05 23 00-1430	EA	1-1/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	3.74	
05 05 23 00-1431	EA	1-3/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	5.34	
05 05 23 00-1432	EA	1-1/2" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	5.79	

05 05 23 00-1433	EA	1-3/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	8.40
05 05 23 00-1434 304/18-8 Stainless Steel Flat Washers (05 05 23 00-1383)			
05 05 23 00-1435	EA	1/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.17
05 05 23 00-1436	EA	5/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.22
05 05 23 00-1437	EA	3/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.31
05 05 23 00-1438	EA	7/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.58
05 05 23 00-1439	EA	1/2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	1.06
05 05 23 00-1440	EA	9/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	1.32
05 05 23 00-1441	EA	5/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	1.94
05 05 23 00-1442	EA	3/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	1.97
05 05 23 00-1443	EA	7/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	4.16
05 05 23 00-1444	EA	1" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	5.27
05 05 23 00-1445	EA	1-1/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	6.13
05 05 23 00-1446	EA	1-1/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	6.61
05 05 23 00-1447	EA	1-3/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	6.98
05 05 23 00-1448	EA	1-1/2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	8.51
05 05 23 00-1449	EA	1-3/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	10.57
05 05 23 00-1450	EA	2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	20.77
05 05 23 00-1451 316 Stainless Steel Flat Washers (05 05 23 00-1383)			
05 05 23 00-1452	EA	1/4" Inside Diameter, 316 Stainless Steel Flat Washer	0.32
05 05 23 00-1453	EA	5/16" Inside Diameter, 316 Stainless Steel Flat Washer	0.35
05 05 23 00-1454	EA	3/8" Inside Diameter, 316 Stainless Steel Flat Washer	0.63
05 05 23 00-1455	EA	7/16" Inside Diameter, 316 Stainless Steel Flat Washer	0.74
05 05 23 00-1456	EA	1/2" Inside Diameter, 316 Stainless Steel Flat Washer	1.37
05 05 23 00-1457	EA	9/16" Inside Diameter, 316 Stainless Steel Flat Washer	2.47
05 05 23 00-1458	EA	5/8" Inside Diameter, 316 Stainless Steel Flat Washer	2.91
05 05 23 00-1459	EA	3/4" Inside Diameter, 316 Stainless Steel Flat Washer	3.66
05 05 23 00-1460	EA	7/8" Inside Diameter, 316 Stainless Steel Flat Washer	5.67
05 05 23 00-1461	EA	1" Inside Diameter, 316 Stainless Steel Flat Washer	6.34
05 05 23 00-1462	EA	1-1/8" Inside Diameter, 316 Stainless Steel Flat Washer	7.22
05 05 23 00-1463	EA	1-1/4" Inside Diameter, 316 Stainless Steel Flat Washer	8.90
05 05 23 00-1464	EA	1-3/8" Inside Diameter, 316 Stainless Steel Flat Washer	9.41
05 05 23 00-1465	EA	1-1/2" Inside Diameter, 316 Stainless Steel Flat Washer	9.62
05 05 23 00-1466	EA	1-3/4" Inside Diameter, 316 Stainless Steel Flat Washer	14.09
05 05 23 00-1467 Lock Washers (05 05 23 00-1283)			
05 05 23 00-1468 Zinc Plated Steel, Low Carbon Lock Washers (05 05 23 00-1467)			
05 05 23 00-1469	EA	1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.02
05 05 23 00-1470	EA	5/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.04
05 05 23 00-1471	EA	3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.06
05 05 23 00-1472	EA	7/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.10
05 05 23 00-1473	EA	1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.13
05 05 23 00-1474	EA	9/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.22
05 05 23 00-1475	EA	5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.25
05 05 23 00-1476	EA	3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.38
05 05 23 00-1477	EA	7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.63
05 05 23 00-1478	EA	1" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	1.14
05 05 23 00-1479	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	1.66
05 05 23 00-1480	EA	1-1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	2.55
05 05 23 00-1481	EA	1-3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	4.03
05 05 23 00-1482	EA	1-1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	4.75
05 05 23 00-1483	EA	1-3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	8.47
05 05 23 00-1484	EA	2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	9.54
05 05 23 00-1485 Hot Dipped Galvanized Steel Lock Washers (05 05 23 00-1467)			
05 05 23 00-1486	EA	1/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.10
05 05 23 00-1487	EA	5/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.12
05 05 23 00-1488	EA	3/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.16
05 05 23 00-1489	EA	7/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.18
05 05 23 00-1490	EA	1/2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.28
05 05 23 00-1491	EA	9/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.37
05 05 23 00-1492	EA	5/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.44
05 05 23 00-1493	EA	3/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.73
05 05 23 00-1494	EA	7/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	1.05
05 05 23 00-1495	EA	1" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	1.66
05 05 23 00-1496	EA	1-1/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	3.01
05 05 23 00-1497	EA	1-1/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	3.59
05 05 23 00-1498	EA	1-3/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	5.17
05 05 23 00-1499	EA	1-1/2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	5.92
05 05 23 00-1500	EA	1-3/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	8.01
05 05 23 00-1501	EA	2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	10.91
05 05 23 00-1502 304/18-8 Stainless Steel Lock Washers (05 05 23 00-1467)			
05 05 23 00-1503	EA	1/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.14
05 05 23 00-1504	EA	5/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.19
05 05 23 00-1505	EA	3/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.27
05 05 23 00-1506	EA	7/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.51

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 05 23 00-1507	EA	1/2" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	0.56
05 05 23 00-1508	EA	9/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	1.36
05 05 23 00-1509	EA	5/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	1.60
05 05 23 00-1510	EA	3/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	1.87
05 05 23 00-1511	EA	7/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	3.38
05 05 23 00-1512	EA	1" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	4.77
05 05 23 00-1513	EA	1-1/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	8.33
05 05 23 00-1514	EA	1-1/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	11.08
05 05 23 00-1515	EA	1-3/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	14.09
05 05 23 00-1516	EA	1-1/2" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	16.91

05 05 23 00-1517 316 Stainless Steel Lock Washers (05 05 23 00-1467)

05 05 23 00-1518	EA	1/4" Inside Diameter, 316 Stainless Steel Lock Washer.....	0.17
05 05 23 00-1519	EA	5/16" Inside Diameter, 316 Stainless Steel Lock Washer.....	0.37
05 05 23 00-1520	EA	3/8" Inside Diameter, 316 Stainless Steel Lock Washer.....	0.43
05 05 23 00-1521	EA	7/16" Inside Diameter, 316 Stainless Steel Lock Washer.....	0.73
05 05 23 00-1522	EA	1/2" Inside Diameter, 316 Stainless Steel Lock Washer.....	0.81
05 05 23 00-1523	EA	9/16" Inside Diameter, 316 Stainless Steel Lock Washer.....	1.45
05 05 23 00-1524	EA	5/8" Inside Diameter, 316 Stainless Steel Lock Washer.....	1.59
05 05 23 00-1525	EA	3/4" Inside Diameter, 316 Stainless Steel Lock Washer.....	2.75
05 05 23 00-1526	EA	7/8" Inside Diameter, 316 Stainless Steel Lock Washer.....	4.55
05 05 23 00-1527	EA	1" Inside Diameter, 316 Stainless Steel Lock Washer.....	6.18
05 05 23 00-1528	EA	1-1/8" Inside Diameter, 316 Stainless Steel Lock Washer.....	8.63
05 05 23 00-1529	EA	1-1/4" Inside Diameter, 316 Stainless Steel Lock Washer.....	13.28
05 05 23 00-1530	EA	1-3/8" Inside Diameter, 316 Stainless Steel Lock Washer.....	23.78
05 05 23 00-1531	EA	1-1/2" Inside Diameter, 316 Stainless Steel Lock Washer.....	26.41

05 05 23 00-1532 Load Indicating Washers (05 05 23 00-1283)**05 05 23 00-1533 A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959)** (05 05 23 00-1532)**05 05 23 00-1534 Plain Finish, A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959)** (05 05 23 00-1533)

05 05 23 00-1535	EA	1/2", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	2.76
05 05 23 00-1536	EA	5/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	3.13
05 05 23 00-1537	EA	3/4", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	3.37
05 05 23 00-1538	EA	7/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	3.83
05 05 23 00-1539	EA	1", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	4.62
05 05 23 00-1540	EA	1-1/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	7.69
05 05 23 00-1541	EA	1-1/4", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	9.94
05 05 23 00-1542	EA	1-3/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	12.68
05 05 23 00-1543	EA	1-1/2", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	13.95

05 05 23 00-1544 Galvanized, A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959) (05 05 23 00-1533)

05 05 23 00-1545	EA	1/2", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	3.50
05 05 23 00-1546	EA	5/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	3.89
05 05 23 00-1547	EA	3/4", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	3.79
05 05 23 00-1548	EA	7/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	4.62
05 05 23 00-1549	EA	1", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	5.48
05 05 23 00-1550	EA	1-1/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	8.26
05 05 23 00-1551	EA	1-1/4", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	10.39
05 05 23 00-1552	EA	1-3/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	14.79
05 05 23 00-1553	EA	1-1/2", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	16.27

05 05 23 00-1554 Beveled Washers (05 05 23 00-1283)**05 05 23 00-1555 Plain Finish, Square Beveled Structural Washers (ASTM F436)** (05 05 23 00-1554)

05 05 23 00-1556	EA	1/2", Plain Finish, Square Beveled Structural Washer (ASTM F436).....	4.56
05 05 23 00-1557	EA	5/8", Plain Finish, Square Beveled Structural Washer (ASTM F436).....	4.66
05 05 23 00-1558	EA	3/4", Plain Finish, Square Beveled Structural Washer (ASTM F436).....	4.76
05 05 23 00-1559	EA	7/8", Plain Finish, Square Beveled Structural Washer (ASTM F436).....	5.79
05 05 23 00-1560	EA	1", Plain Finish, Square Beveled Structural Washer (ASTM F436).....	6.09

05 05 23 00-1561 Galvanized, Square Beveled Structural Washers (ASTM F436) (05 05 23 00-1554)

05 05 23 00-1562	EA	1/2", Galvanized, Square Beveled Structural Washer (ASTM F436).....	6.56
05 05 23 00-1563	EA	5/8", Galvanized, Square Beveled Structural Washer (ASTM F436).....	6.85
05 05 23 00-1564	EA	3/4", Galvanized, Square Beveled Structural Washer (ASTM F436).....	6.85
05 05 23 00-1565	EA	7/8", Galvanized, Square Beveled Structural Washer (ASTM F436).....	7.25
05 05 23 00-1566	EA	1", Galvanized, Square Beveled Structural Washer (ASTM F436).....	7.71

05 05 23 00-1567 Drilling In Existing Steel Plates (05 05 23)

05 05 23 00-1568	EA	Up To 1/2" Diameter Drill Through Up To 1/4" Steel Plate.....	22.42
		For Aluminum, Deduct.....	-2.24
		For Stainless Steel, Add.....	2.80
		For >5 To 10, Deduct.....	-2.24
		For >10 To 25, Deduct.....	-5.61
		For >25 To 50, Deduct.....	-7.85
		For >50, Deduct.....	-11.21

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1569	EA		>1/2" To 7/8" Diameter Drill Through Up To 1/4" Steel Plate.....	26.37	
			For Aluminum, Deduct	-2.64	
			For Stainless Steel, Add	3.30	
			For >5 To 10, Deduct	-2.64	
			For >10 To 25, Deduct	-6.59	
			For >25 To 50, Deduct	-9.23	
			For >50, Deduct	-13.19	
05 05 23 00-1570	EA		>7/8" To 1-1/2" Diameter Drill Through Up To 1/4" Steel Plate.....	31.66	
			For Aluminum, Deduct	-3.17	
			For Stainless Steel, Add	3.96	
			For >5 To 10, Deduct	-3.17	
			For >10 To 25, Deduct	-7.92	
			For >25 To 50, Deduct	-11.08	
			For >50, Deduct	-15.83	
05 05 23 00-1571	EA		>1-1/2" To 4" Diameter Drill Through Up To 1/4" Steel Plate.....	36.93	
			For Aluminum, Deduct	-3.69	
			For Stainless Steel, Add	4.62	
			For >5 To 10, Deduct	-3.69	
			For >10 To 25, Deduct	-9.23	
			For >25 To 50, Deduct	-12.93	
			For >50, Deduct	-18.47	
05 05 23 00-1572	EA		>4" To 10" Diameter Drill Through Up To 1/4" Steel Plate.....	49.45	
			For Aluminum, Deduct	-4.95	
			For Stainless Steel, Add	6.18	
			For >5 To 10, Deduct	-4.95	
			For >10 To 25, Deduct	-12.36	
			For >25 To 50, Deduct	-17.31	
			For >50, Deduct	-24.73	
05 05 23 00-1573	EA		Up To 1/2" Diameter Drill Through >1/4" To 1/2" Steel Plate.....	26.37	
			For Aluminum, Deduct	-2.64	
			For Stainless Steel, Add	3.30	
			For >5 To 10, Deduct	-2.64	
			For >10 To 25, Deduct	-6.59	
			For >25 To 50, Deduct	-9.23	
			For >50, Deduct	-13.19	
05 05 23 00-1574	EA		>1/2" To 7/8" Diameter Drill Through >1/4" To 1/2" Steel Plate.....	32.97	
			For Aluminum, Deduct	-3.30	
			For Stainless Steel, Add	4.12	
			For >5 To 10, Deduct	-3.30	
			For >10 To 25, Deduct	-8.24	
			For >25 To 50, Deduct	-11.54	
			For >50, Deduct	-16.49	
05 05 23 00-1575	EA		>7/8" To 1-1/2" Diameter Drill Through >1/4" To 1/2" Steel Plate.....	39.56	
			For Aluminum, Deduct	-3.96	
			For Stainless Steel, Add	4.95	
			For >5 To 10, Deduct	-3.96	
			For >10 To 25, Deduct	-9.89	
			For >25 To 50, Deduct	-13.85	
			For >50, Deduct	-19.78	
05 05 23 00-1576	EA		>1-1/2" To 4" Diameter Drill Through >1/4" To 1/2" Steel Plate.....	49.45	
			For Aluminum, Deduct	-4.95	
			For Stainless Steel, Add	6.18	
			For >5 To 10, Deduct	-4.95	
			For >10 To 25, Deduct	-12.36	
			For >25 To 50, Deduct	-17.31	
			For >50, Deduct	-24.73	
05 05 23 00-1577	EA		Up To 1/2" Diameter Drill Through >1/2" To 1" Steel Plate.....	32.97	
			For Aluminum, Deduct	-3.30	
			For Stainless Steel, Add	4.12	
			For >5 To 10, Deduct	-3.30	
			For >10 To 25, Deduct	-8.24	
			For >25 To 50, Deduct	-11.54	
			For >50, Deduct	-16.49	
05 05 23 00-1578	EA		>1/2" To 7/8" Diameter Drill Through >1/2" To 1" Steel Plate.....	43.52	
			For Aluminum, Deduct	-4.35	
			For Stainless Steel, Add	5.44	
			For >5 To 10, Deduct	-4.35	
			For >10 To 25, Deduct	-10.88	
			For >25 To 50, Deduct	-15.23	
			For >50, Deduct	-21.76	
05 05 23 00-1579	EA		>7/8" To 1-1/2" Diameter Drill Through >1/2" To 1" Steel Plate.....	52.76	
			For Aluminum, Deduct	-5.28	
			For Stainless Steel, Add	6.60	
			For >5 To 10, Deduct	-5.28	
			For >10 To 25, Deduct	-13.19	
			For >25 To 50, Deduct	-18.47	
			For >50, Deduct	-26.38	
05 05 23 00-1580			Cutting Existing Steel With Torch (05 05 23)		
05 05 23 00-1581	LF		Torch Cutting, Milled Steel Up To 1/4" Thick.....	6.81	
05 05 23 00-1582			Welded Stud Anchors (05 05 23)		
05 05 23 00-1583	EA		1-1/8" Long x 1/4" Diameter, Welded Stud Concrete Anchors.....	4.69	
05 05 23 00-1584	EA		2-11/16" Long x 1/4" Diameter, Welded Stud Concrete Anchors.....	4.80	
05 05 23 00-1585	EA		3-1/8" Long x 1/4" Diameter, Welded Stud Concrete Anchors.....	4.85	
05 05 23 00-1586	EA		4-1/8" Long x 1/4" Diameter, Welded Stud Concrete Anchors.....	4.89	
05 05 23 00-1587	EA		1-3/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	4.57	
05 05 23 00-1588	EA		1-5/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	4.84	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 05 23 00-1589	EA	2-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	5.11	
05 05 23 00-1590	EA	2-5/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	5.25	
05 05 23 00-1591	EA	3-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	5.39	
05 05 23 00-1592	EA	4-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	5.95	
05 05 23 00-1593	EA	5-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	6.41	
05 05 23 00-1594	EA	6-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	6.78	
05 05 23 00-1595	EA	1-1/2" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	5.66	
05 05 23 00-1596	EA	1-5/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	5.70	
05 05 23 00-1597	EA	2-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	6.12	
05 05 23 00-1598	EA	2-5/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	6.52	
05 05 23 00-1599	EA	3-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	7.01	
05 05 23 00-1600	EA	4-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	7.77	
05 05 23 00-1601	EA	5-5/16" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	8.26	
05 05 23 00-1602	EA	6-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	9.60	
05 05 23 00-1603	EA	8-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	12.13	
05 05 23 00-1604	EA	2-11/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	8.21	
05 05 23 00-1605	EA	3-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	8.85	
05 05 23 00-1606	EA	3-11/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	9.37	
05 05 23 00-1607	EA	4-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	9.89	
05 05 23 00-1608	EA	4-11/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	10.32	
05 05 23 00-1609	EA	5-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	10.71	
05 05 23 00-1610	EA	6-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	11.23	
05 05 23 00-1611	EA	6-9/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	13.40	
05 05 23 00-1612	EA	8-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	16.39	

05 05 23 00-1613 Welded Shear Stud Connector (05 05 23)**05 05 23 00-1614 3/4" Diameter Welded Shear Stud Connector** (05 05 23 00-1613)

05 05 23 00-1615	EA	3/4" Diameter x 3-3/16" Long, Welded Shear Stud Connector	10.59	
05 05 23 00-1616	EA	3/4" Diameter x 3-3/8" Long, Welded Shear Stud Connector	11.05	
05 05 23 00-1617	EA	3/4" Diameter x 3-7/8" Long, Welded Shear Stud Connector	11.17	
05 05 23 00-1618	EA	3/4" Diameter x 4-3/16" Long, Welded Shear Stud Connector	11.23	
05 05 23 00-1619	EA	3/4" Diameter x 4-3/8" Long, Welded Shear Stud Connector	11.75	
05 05 23 00-1620	EA	3/4" Diameter x 4-11/16" Long, Welded Shear Stud Connector	12.70	
05 05 23 00-1621	EA	3/4" Diameter x 4-7/8" Long, Welded Shear Stud Connector	21.89	
05 05 23 00-1622	EA	3/4" Diameter x 5-3/16" Long, Welded Shear Stud Connector	13.80	
05 05 23 00-1623	EA	3/4" Diameter x 5-3/8" Long, Welded Shear Stud Connector	15.48	
05 05 23 00-1624	EA	3/4" Diameter x 6-3/16" Long, Welded Shear Stud Connector	19.90	
05 05 23 00-1625	EA	3/4" Diameter x 7-3/16" Long, Welded Shear Stud Connector	20.42	
05 05 23 00-1626	EA	3/4" Diameter x 8-3/16" Long, Welded Shear Stud Connector	22.25	
05 05 23 00-1627	EA	3/4" Diameter x 10-3/16" Long, Welded Shear Stud Connector	29.94	

05 05 23 00-1628 7/8" Diameter Welded Shear Stud Connector (05 05 23 00-1613)

05 05 23 00-1629	EA	7/8" Diameter x 3-3/16" Long, Welded Shear Stud Connector	12.88	
05 05 23 00-1630	EA	7/8" Diameter x 3-11/16" Long, Welded Shear Stud Connector	13.62	
05 05 23 00-1631	EA	7/8" Diameter x 4-3/16" Long, Welded Shear Stud Connector	14.35	
05 05 23 00-1632	EA	7/8" Diameter x 5-3/16" Long, Welded Shear Stud Connector	16.46	
05 05 23 00-1633	EA	7/8" Diameter x 6-3/16" Long, Welded Shear Stud Connector	21.03	
05 05 23 00-1634	EA	7/8" Diameter x 7-3/16" Long, Welded Shear Stud Connector	23.26	
05 05 23 00-1635	EA	7/8" Diameter x 8-3/16" Long, Welded Shear Stud Connector	25.45	
05 05 23 00-1636	EA	7/8" Diameter x 10-3/16" Long, Welded Shear Stud Connector	31.62	

05 05 23 00-1637 1" Diameter Welded Shear Stud Connector (05 05 23 00-1613)

05 05 23 00-1638	EA	1" Diameter x 3-1/4" Long, Welded Shear Stud Connector	17.68	
05 05 23 00-1639	EA	1" Diameter x 4-1/4" Long, Welded Shear Stud Connector	19.94	
05 05 23 00-1640	EA	1" Diameter x 5-1/4" Long, Welded Shear Stud Connector	23.26	
05 05 23 00-1641	EA	1" Diameter x 6-1/4" Long, Welded Shear Stud Connector	29.36	
05 05 23 00-1642	EA	1" Diameter x 7-1/4" Long, Welded Shear Stud Connector	32.84	
05 05 23 00-1643	EA	1" Diameter x 8-1/4" Long, Welded Shear Stud Connector	36.32	

05 10 Structural Metal Framing (05)**05 12 Structural Steel Framing** (05 10)**05 12 23 Structural Steel for Buildings** (05 12)

See CSI section 05 05 21 00-0007 for moment connection welding, 05 12 23 00-0131 for field fabrication of additional structural metal connections.

05 12 23 00-0001 Rolled Steel Members (05 12 23)

Note: Prices by Ton (or LB) are based on ASTM A992/A36 steel with bolted standard beam connections and shop primed with red primer paint. Stock cross-sections only. Includes shop fabrication into sub-assemblies and delivery to site, all connecting bolts, connecting welds, and crane for erection (or demolition). Excludes moment connection welding. See CSI section 05 05 21 00-0007 for moment connection welding, 05 12 23 00-0131 for field fabrication of additional structural metal connections.

05 12 23 00-0002 Beams, Girders And Columns (05 12 23 00-0001)

Note: For one and two story I beams and W shapes and HP shapes.

05 12 23 00-0003	TON	Up To 30 Lb./LF Beams, Girders And Columns.....	12,265.94	1,307.90
		For ASTM A242 Type 2 High Strength Steel, Add	764.81	
		For Hot Dip Galvanizing, Add	2,676.84	
		For >10 To 25 Tons, Deduct	-812.61	
		For >25 To 50 Tons, Deduct	-1,673.03	
		For >50 Tons, Deduct	-2,390.04	

			Metals	05	05
			Structural Metal Framing	05 10	
			Structural Steel Framing	05 12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
05 12 23 00-0004	TON		>30-65 Lb./LF Beams, Girders And Columns	8,748.04	845.47
			For ASTM A242 Type 2 High Strength Steel, Add	627.69	
			For Hot Dip Galvanizing, Add	2,196.91	
			For >10 To 25 Tons, Deduct	-666.92	
			For >25 To 50 Tons, Deduct	-1,373.07	
			For >50 Tons, Deduct	-1,961.53	
05 12 23 00-0005	TON		>65-100 Lb./LF Beams, Girders And Columns	7,472.97	475.62
			For ASTM A242 Type 2 High Strength Steel, Add	557.25	
			For Hot Dip Galvanizing, Add	1,950.38	
			For >10 To 25 Tons, Deduct	-592.08	
			For >25 To 50 Tons, Deduct	-1,218.99	
			For >50 Tons, Deduct	-1,741.41	
05 12 23 00-0006	TON		>100-300 Lb./LF Beams, Girders And Columns	5,032.42	253.15
			For ASTM A242 Type 2 High Strength Steel, Add	380.95	
			For Hot Dip Galvanizing, Add	1,333.32	
			For >10 To 25 Tons, Deduct	-404.76	
			For >25 To 50 Tons, Deduct	-833.32	
			For >50 Tons, Deduct	-1,190.46	
05 12 23 00-0007			Trusses, Built-Up (05 12 23 00-0001)		
05 12 23 00-0008	TON		Built-Up Trusses, Rolled Structural Steel Members	9,284.10	889.48
			For ASTM A242 Type 2 High Strength Steel, Add	666.87	
			For Hot Dip Galvanizing, Add	2,334.03	
			For >10 To 25 Tons, Deduct	-708.54	
			For >25 To 50 Tons, Deduct	-1,458.77	
			For >50 Tons, Deduct	-2,083.96	
05 12 23 00-0009			Shapes (05 12 23 00-0001)		
05 12 23 00-0010			Rolled Shape Steel Angles (05 12 23 00-0009)		
05 12 23 00-0011	TON		Up To 10 Lb./LF Rolled Shape Steel Angles	17,858.54	2,431.39
			For ASTM A242 Type 2 High Strength Steel, Add	1,104.50	
			For Hot Dip Galvanizing, Add	3,865.74	
			For >10 To 25 Tons, Deduct	-1,173.53	
			For >25 To 50 Tons, Deduct	-2,416.09	
			For >50 Tons, Deduct	-3,451.55	
05 12 23 00-0012	TON		>10 To 20 Lb./LF Rolled Shape Steel Angles	15,912.85	1,426.87
			For ASTM A242 Type 2 High Strength Steel, Add	1,056.57	
			For Hot Dip Galvanizing, Add	3,697.98	
			For >10 To 25 Tons, Deduct	-1,122.60	
			For >25 To 50 Tons, Deduct	-2,311.24	
			For >50 Tons, Deduct	-3,301.77	
05 12 23 00-0013	TON		>20 To 58 Lb./LF Rolled Shape Steel Angles	12,519.84	845.47
			For ASTM A242 Type 2 High Strength Steel, Add	929.44	
			For Hot Dip Galvanizing, Add	3,253.06	
			For >10 To 25 Tons, Deduct	-987.54	
			For >25 To 50 Tons, Deduct	-2,033.16	
			For >50 Tons, Deduct	-2,904.52	
05 12 23 00-0014			Rolled C, MC Steel Channels (05 12 23 00-0009)		
05 12 23 00-0015	TON		Up To 10 Lb./LF Rolled C, MC Steel Channels	19,172.90	3,329.37
			For ASTM A242 Type 2 High Strength Steel, Add	1,087.82	
			For Hot Dip Galvanizing, Add	3,807.39	
			For >10 To 25 Tons, Deduct	-1,155.81	
			For >25 To 50 Tons, Deduct	-2,379.62	
			For >50 Tons, Deduct	-3,399.45	
05 12 23 00-0016	TON		>10 To 20 Rolled C, MC Steel Channels	15,730.51	2,536.67
			For ASTM A242 Type 2 High Strength Steel, Add	1,041.98	
			For Hot Dip Galvanizing, Add	3,646.92	
			For >10 To 25 Tons, Deduct	-1,107.10	
			For >25 To 50 Tons, Deduct	-2,279.33	
			For >50 Tons, Deduct	-3,256.18	
05 12 23 00-0017	TON		>20 To 58 Lb./LF Rolled C, MC Steel Channels	12,311.44	845.47
			For ASTM A242 Type 2 High Strength Steel, Add	912.77	
			For Hot Dip Galvanizing, Add	3,194.70	
			For >10 To 25 Tons, Deduct	-969.82	
			For >25 To 50 Tons, Deduct	-1,996.69	
			For >50 Tons, Deduct	-2,852.42	
05 12 23 00-0018			Double L Shape Steel Angles (05 12 23 00-0009)		
05 12 23 00-0019	TON		Up To 20 Lb./LF Double L Shape Steel Angles	16,662.16	1,929.13
			For ASTM A242 Type 2 High Strength Steel, Add	1,062.82	
			For Hot Dip Galvanizing, Add	3,719.86	
			For >10 To 25 Tons, Deduct	-1,129.24	
			For >25 To 50 Tons, Deduct	-2,324.91	
			For >50 Tons, Deduct	-3,321.31	
05 12 23 00-0020	TON		>20 To 50 Lb./LF Double L Shape Steel Angles	13,405.52	845.47
			For ASTM A242 Type 2 High Strength Steel, Add	1,000.30	
			For Hot Dip Galvanizing, Add	3,501.05	
			For >10 To 25 Tons, Deduct	-1,062.82	
			For >25 To 50 Tons, Deduct	-2,188.15	
			For >50 Tons, Deduct	-3,125.94	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
05 12 23 00-0021	TON >50 To 80 Lb./LF Double L Shape Steel Angles..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 Tons, Deduct	10,145.63 771.06 2,698.72 -819.26 -1,686.70 -2,409.58		475.62
05 12 23 00-0022	TON >80 To 115 Lb./LF Double L Shape Steel Angles..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 Tons, Deduct	6,522.02 500.15 1,750.52 -531.41 -1,094.08 -1,562.97		253.54
05 12 23 00-0023	Structural WT, MT, ST Tee Shapes (05 12 23 00-0001)			
05 12 23 00-0024	TON Up To 30 Lb./LF Structural WT, MT, ST Tee Shapes..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 Tons, Deduct	15,209.52 1,000.30 3,501.05 -1,062.82 -2,188.15 -3,125.94		1,426.87
05 12 23 00-0025	TON >30 To 65 Lb./LF Structural WT, MT, ST Tee Shapes..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 Tons, Deduct	10,462.08 764.81 2,676.84 -812.61 -1,673.03 -2,390.04		845.47
05 12 23 00-0026	TON >65 To 100 Lb./LF Structural WT, MT, ST Tee Shapes..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 Tons, Deduct	8,322.17 625.19 2,188.16 -664.26 -1,367.60 -1,953.71		475.62
05 12 23 00-0027	TON >100 To 365 Lb./LF Structural WT, MT, ST Tee Shapes..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 Tons, Deduct	6,157.76 470.97 1,648.41 -500.41 -1,030.26 -1,471.80		253.15
05 12 23 00-0028	Combination Section Shapes (05 12 23 00-0001)			
05 12 23 00-0029	Combination Section, W Shapes And Angles (05 12 23 00-0028)			
05 12 23 00-0030	TON Up To 30 Lb./LF Combination Section - W Shapes And Angles..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 Tons, Deduct	14,401.98 935.70 3,274.94 -994.18 -2,046.84 -2,924.05		1,426.87
05 12 23 00-0031	TON >30-65 Lb./LF Combination Section - W Shapes And Angles..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 Tons, Deduct	10,540.25 771.07 2,698.73 -819.26 -1,686.71 -2,409.58		845.47
05 12 23 00-0032	TON >65-100 Lb./LF Combination Section - W Shapes And Angles..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 Tons, Deduct	7,670.93 573.09 2,005.81 -608.91 -1,253.63 -1,790.90		475.62
05 12 23 00-0033	TON >100-300 Lb./LF Combination Section - W Shapes And Angles..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 Tons, Deduct	6,678.32 512.65 1,794.29 -544.69 -1,121.43 -1,602.04		253.15
05 12 23 00-0034	TON >300-500 Lb./LF Combination Section - W Shapes And Angles..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 Tons, Deduct	5,788.03 452.22 1,582.77 -480.48 -989.23 -1,413.19		127.09
05 12 23 00-0035	Combination Section, S Shapes And Angles (05 12 23 00-0028)			
05 12 23 00-0036	TON >30-65 Lb./LF Combination Section - S Shapes And Angles..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 Tons, Deduct	10,123.44 737.72 2,582.02 -783.83 -1,613.76 -2,305.38		845.47
05 12 23 00-0037	TON >65-100 Lb./LF Combination Section - S Shapes And Angles..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 Tons, Deduct	7,696.98 575.17 2,013.10 -611.12 -1,258.19 -1,797.41		475.62

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0038		Combination Section, Channels And Angles (05 12 23 00-0028)		
05 12 23 00-0039	TON	Up To 30 Lb./LF Combination Section - Channels And Angles	15,209.52	1,426.87
		For ASTM A242 Type 2 High Strength Steel, Add	1,000.30	
		For Hot Dip Galvanizing, Add	3,501.05	
		For >10 To 25 Tons, Deduct	-1,062.82	
		For >25 To 50 Tons, Deduct	-2,188.15	
		For >50 Tons, Deduct	-3,125.94	
05 12 23 00-0040	TON	>30-65 Lb./LF Combination Section - Channels And Angles.....	11,061.22	845.47
		For ASTM A242 Type 2 High Strength Steel, Add	812.74	
		For Hot Dip Galvanizing, Add	2,844.60	
		For >10 To 25 Tons, Deduct	-863.54	
		For >25 To 50 Tons, Deduct	-1,777.88	
		For >50 Tons, Deduct	-2,539.82	
05 12 23 00-0041	TON	>65-100 Lb./LF Combination Section - Channels And Angles.....	7,879.32	475.62
		For ASTM A242 Type 2 High Strength Steel, Add	589.76	
		For Hot Dip Galvanizing, Add	2,064.16	
		For >10 To 25 Tons, Deduct	-626.62	
		For >25 To 50 Tons, Deduct	-1,290.10	
		For >50 Tons, Deduct	-1,843.00	
05 12 23 00-0042		Standard Weight Pipe (05 12 23 00-0001)		
05 12 23 00-0043	TON	1/2" To 5" Diameter Standard Weight Pipe.....	8,939.16	761.00
		For ASTM A242 Type 2 High Strength Steel, Add	650.19	
		For Hot Dip Galvanizing, Add	2,275.68	
		For >10 To 25 Tons, Deduct	-690.83	
		For >25 To 50 Tons, Deduct	-1,422.30	
		For >50 Tons, Deduct	-2,031.86	
05 12 23 00-0044	TON	>5" To 12" Diameter Standard Weight Pipe.....	9,506.78	951.25
		For ASTM A242 Type 2 High Strength Steel, Add	679.37	
		For Hot Dip Galvanizing, Add	2,377.79	
		For >10 To 25 Tons, Deduct	-721.83	
		For >25 To 50 Tons, Deduct	-1,486.12	
		For >50 Tons, Deduct	-2,123.03	
05 12 23 00-0045		Temporary Steel Support For Structures (05 12 23 00-0001)		
		Note: Includes removal after use.		
05 12 23 00-0046	TON	Up To 30 Lb./LF Temporary Steel Support For Structures	12,265.94	
		Note: For all stock sections.		
05 12 23 00-0047	TON	>30 Lb./LF Temporary Steel Support For Structures.....	8,748.04	
		Note: For all stock sections.		
05 12 23 00-0048		Structural Steel Shapes (05 12 23)		
		Note: Prices by Ton (or LB) are based on ASTM A992/A36 steel with bolted standard beam connections and shop primed with red primer paint. Stock cross-sections only. Includes shop fabrication into sub-assemblies and delivery to site, all connecting bolts, connecting welds, and crane for erection (or demolition). Excludes moment connection welding. See CSI section 05 05 21 00-0007 for moment connection welding, 05 12 23 00-0131 for field fabrication of additional structural metal connections.		
05 12 23 00-0049		Steel Rods (05 12 23 00-0048)		
05 12 23 00-0050	TON	1/2" To 5" Diameter Extra Strong Steel, Solid.....	9,699.37	594.60
		For ASTM A242 Type 2 High Strength Steel, Add	725.22	
		For Hot Dip Galvanizing, Add	2,538.26	
		For >10 To 25 Tons, Deduct	-770.54	
		For >25 To 50 Tons, Deduct	-1,586.41	
		For >50 Tons, Deduct	-2,266.30	
05 12 23 00-0051	TON	>5" To 12" Diameter Extra Strong Steel, Solid	11,061.22	845.47
		For ASTM A242 Type 2 High Strength Steel, Add	812.74	
		For Hot Dip Galvanizing, Add	2,844.60	
		For >10 To 25 Tons, Deduct	-863.54	
		For >25 To 50 Tons, Deduct	-1,777.88	
		For >50 Tons, Deduct	-2,539.82	
05 12 23 00-0052		Column Base Plates (05 12 23 00-0048)		
05 12 23 00-0053	LB	Column Base Plates, Up To 150 Lb. / Each, A36 Miscellaneous Steel Items.....	4.72	0.77
		For ASTM A242 Type 2 High Strength Steel, Add	0.31	
		For Hot Dip Galvanizing, Add	1.09	
05 12 23 00-0054	LB	Column Base Plates, >150 Lb. / Each, A36 Miscellaneous Steel Items	4.44	0.65
		For ASTM A242 Type 2 High Strength Steel, Add	0.30	
		For Hot Dip Galvanizing, Add	1.04	
05 12 23 00-0055	TON	Column Base Plates, Up To 150 Lb. Each, A36 Miscellaneous Steel Items.....	8,786.78	683.16
		For ASTM A242 Type 2 High Strength Steel, Add	644.65	
		For Hot Dip Galvanizing, Add	2,256.26	
		For >10 To 25 Tons, Deduct	-684.94	
		For >25 To 50 Tons, Deduct	-1,410.16	
		For >50 Tons, Deduct	-2,014.52	
05 12 23 00-0056	TON	Column Base Plates, >150 Lb. Each, A36 Miscellaneous Steel Items	6,265.53	409.90
		For ASTM A242 Type 2 High Strength Steel, Add	466.26	
		For Hot Dip Galvanizing, Add	1,631.92	
		For >10 To 25 Tons, Deduct	-495.41	
		For >25 To 50 Tons, Deduct	-1,019.95	
		For >50 Tons, Deduct	-1,457.08	
05 12 23 00-0057		Double Extra Strong Pipes (05 12 23 00-0048)		

05	05	Metals
	05 10	Structural Metal Framing
	05 12	Structural Steel Framing



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
05 12 23 00-0058	TON 2" To 5" Diameter Double Extra Strong Pipe For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 Tons, Deduct	11,527.30 829.41 2,902.95 -881.25 -1,814.34 -2,591.92		1,087.09
05 12 23 00-0059	TON >5" To 8" Diameter Double Extra Strong Pipe For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 Tons, Deduct	10,992.09 829.41 2,902.95 -881.25 -1,814.34 -2,591.92		585.34
05 12 23 00-0060 Structural Pipes (05 12 23 00-0048)				
05 12 23 00-0061	TON 3" To 5" Outside Diameter Structural Pipe, Extra Heavy A36 Miscellaneous Steel Items..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 Tons, Deduct	8,066.63 583.51 2,042.28 -619.98 -1,276.42 -1,823.46		502.26
05 12 23 00-0062	TON 5" To 12" Outside Diameter Structural Pipe, Extra Heavy A36 Miscellaneous Steel Items For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 Tons, Deduct	8,571.77 583.51 2,042.28 -619.98 -1,276.42 -1,823.46		579.24
05 12 23 00-0063 Structural Tubing (05 12 23 00-0048)				
05 12 23 00-0064 Rectangle Structural Tubing (05 12 23 00-0063)				
05 12 23 00-0065	TON 3" x 2" Weight Range 5-7 Lb./LF Structural Tubing - Rectangle..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 Tons, Deduct	13,565.89 1,041.98 3,646.92 -1,107.10 -2,279.33 -3,256.18		507.33
05 12 23 00-0066	TON 4" x 3", 2" Weight Range 6-13 Lb./LF Structural Tubing - Rectangle..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 Tons, Deduct	13,649.14 1,041.98 3,646.92 -1,107.10 -2,279.33 -3,256.18		585.34
05 12 23 00-0067	TON 5" x 4", 3", 2" Weight Range 8-20 Lb./LF Structural Tubing - Rectangle..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 Tons, Deduct	11,877.70 896.10 3,136.35 -952.11 -1,960.22 -2,800.32		634.17
05 12 23 00-0068	TON 6" x 4", 3", 2" Weight Range 9-29 Lb./LF Structural Tubing - Rectangle..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 Tons, Deduct	11,231.51 833.58 2,917.54 -885.68 -1,823.46 -2,604.95		761.00
05 12 23 00-0069	TON 7" x 5", 4", 3" Weight Range 12-35 Lb./LF Structural Tubing - Rectangle..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 Tons, Deduct	11,017.11 809.21 2,832.25 -859.79 -1,770.16 -2,528.80		845.47
05 12 23 00-0070	TON 8" x 6", 4", 3", 2" Weight Range 11-42 Lb./LF Structural Tubing - Rectangle For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 Tons, Deduct	11,124.79 790.14 2,765.49 -839.52 -1,728.43 -2,469.19		1,170.04
05 12 23 00-0071	TON 10" x 6", 4", 2" Weight Range 15-50 Lb./LF Structural Tubing - Rectangle..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 Tons, Deduct	11,496.56 787.74 2,757.07 -836.97 -1,723.17 -2,461.67		1,546.74
05 12 23 00-0072	TON 12" x 6", 4", 2" Weight Range 17-76 Lb./LF Structural Tubing - Rectangle..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 Tons, Deduct	11,753.14 796.07 2,786.25 -845.83 -1,741.41 -2,487.72		1,689.55
05 12 23 00-0073	TON 14" x 10", 6", 4" Weight Range 29-76 Lb./LF Structural Tubing - Rectangle..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 Tons, Deduct	11,980.22 796.07 2,786.25 -845.83 -1,741.41 -2,487.72		1,902.50

			Metals	05	05
			Structural Metal Framing	05 10	
			Structural Steel Framing	05 12	
MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
			UNIT COST	UNIT COST	
05 12 23 00-0074	TON	16" x 12", 8", 4" Weight Range 40-90 Lb./LF Structural Tubing - Rectangle..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 Tons, Deduct	12,552.46 787.74 2,757.07 -836.97 -1,723.17 -2,461.67		2,536.67
05 12 23 00-0075	TON	18" x 6", 4" Weight Range 48-76 Lb./LF Structural Tubing - Rectangle..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 Tons, Deduct	13,849.50 766.90 2,684.14 -814.83 -1,677.59 -2,396.55		3,996.90
05 12 23 00-0076	TON	20" x 12", 8", 4" Weight Range 48-105 Lb./LF Structural Tubing - Rectangle..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 Tons, Deduct	15,378.38 732.27 2,562.96 -778.04 -1,601.65 -2,288.36		5,835.98
05 12 23 00-0077	Square Structural Tubing (05 12 23 00-0063)				
05 12 23 00-0078	TON	2" x 2" Weight Range 4-6 Lb./LF Structural Tubing - Square..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 Tons, Deduct	13,532.06 1,041.98 3,646.92 -1,107.10 -2,279.33 -3,256.18		475.62
05 12 23 00-0079	TON	2.5" x 2.5" Weight Range 5-8 Lb./LF Structural Tubing - Square..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 Tons, Deduct	13,565.89 1,041.98 3,646.92 -1,107.10 -2,279.33 -3,256.18		507.33
05 12 23 00-0080	TON	3" x 3" Weight Range 6-11 Lb./LF Structural Tubing - Square..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 Tons, Deduct	12,138.20 916.94 3,209.29 -974.25 -2,005.61 -2,865.44		634.17
05 12 23 00-0081	TON	3.5" x 3.5" Weight Range 8-13 Lb./LF Structural Tubing - Square..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 Tons, Deduct	12,012.99 896.10 3,136.35 -952.11 -1,960.22 -2,800.32		761.00
05 12 23 00-0082	TON	4" x 4" Weight Range 10-22 Lb./LF Structural Tubing - Square..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 Tons, Deduct	9,558.88 683.54 2,392.38 -726.26 -1,495.24 -2,136.06		951.25
05 12 23 00-0083	TON	5" x 5" Weight Range 12-30 Lb./LF Structural Tubing - Square..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 Tons, Deduct	9,703.84 683.54 2,392.38 -726.26 -1,495.24 -2,136.06		1,087.09
05 12 23 00-0084	TON	6" x 6" Weight Range 15-35 Lb./LF Structural Tubing - Square..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 Tons, Deduct	10,167.69 683.54 2,392.38 -726.26 -1,495.24 -2,136.06		1,522.00
05 12 23 00-0085	TON	7" x 7" Weight Range 17-42 Lb./LF Structural Tubing - Square..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 Tons, Deduct	10,729.85 696.04 2,436.15 -739.54 -1,522.59 -2,175.13		1,902.50
05 12 23 00-0086	TON	8" x 8" Weight Range 20-60 Lb./LF Structural Tubing - Square..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 Tons, Deduct	12,812.97 808.58 2,830.01 -859.11 -1,768.76 -2,526.80		2,536.67
05 12 23 00-0087	TON	10" x 10" Weight Range 33-77 Lb./LF Structural Tubing - Square..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 Tons, Deduct	14,165.86 808.58 2,830.01 -859.11 -1,768.76 -2,526.80		3,804.99
05 12 23 00-0088	TON	12" x 12" Weight Range 40-80 Lb./LF Structural Tubing - Square..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 Tons, Deduct	13,464.21 696.04 2,436.15 -739.54 -1,522.59 -2,175.13		4,465.93

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 12 23 00-0089	TON 14" x 14" Weight Range 57-90 Lb./LF Structural Tubing - Square.....	16,123.74	5,835.98
	For ASTM A242 Type 2 High Strength Steel, Add	791.90	
	For Hot Dip Galvanizing, Add	2,771.66	
	For >10 To 25 Tons, Deduct	-841.40	
	For >25 To 50 Tons, Deduct	-1,732.29	
	For >50 Tons, Deduct	-2,474.70	
05 12 23 00-0090	TON 16" x 16" Weight Range 65-105 Lb./LF Structural Tubing - Square.....	18,224.52	7,610.00
	For ASTM A242 Type 2 High Strength Steel, Add	808.58	
	For Hot Dip Galvanizing, Add	2,830.01	
	For >10 To 25 Tons, Deduct	-859.11	
	For >25 To 50 Tons, Deduct	-1,768.76	
	For >50 Tons, Deduct	-2,526.80	

05 12 23 00-0091 Galvanized Steel Pipe Tubing (05 12 23 00-0063)

Note: ASTM A53 Grade B

05 12 23 00-0092	LF 2" Diameter Galvanized Steel Pipe Tubing, Standard Weight	48.89	5.56
05 12 23 00-0093	LF 2-1/2" Diameter Galvanized Steel Pipe Tubing, Standard Weight	53.61	6.62
05 12 23 00-0094	LF 3" Diameter Galvanized Steel Pipe Tubing, Standard Weight	59.25	8.79
05 12 23 00-0095	LF 3-1/2" Diameter Galvanized Steel Pipe Tubing, Standard Weight	63.86	9.80
05 12 23 00-0096	LF 4" Diameter Galvanized Steel Pipe Tubing, Standard Weight	66.76	10.59
05 12 23 00-0097	LF 5" Diameter Galvanized Steel Pipe Tubing, Standard Weight	74.65	13.23
05 12 23 00-0098	LF 6" Diameter Galvanized Steel Pipe Tubing, Standard Weight	82.56	15.88
05 12 23 00-0099	LF 8" Diameter Galvanized Steel Pipe Tubing, Standard Weight	90.21	19.06
05 12 23 00-0100	LF 10" Diameter Galvanized Steel Pipe Tubing, Standard Weight	101.28	23.28
05 12 23 00-0101	LF 12" Diameter Galvanized Steel Pipe Tubing, Standard Weight	118.70	29.64

05 12 23 00-0102 Structural Shapes (05 12 23 00-0048)

05 12 23 00-0103	TON Up To 20 Lb./LF Structural Shapes, Steel Angle A36 Structural Steel, Purlins And Girts.....	8,052.32	2,732.68
	For ASTM A242 Type 2 High Strength Steel, Add	297.18	
	For Hot Dip Galvanizing, Add	1,040.13	
	For >20 To 50 Lb./LF, Deduct	-1,022.11	
	For >50 To 75 Lb./LF, Deduct	-1,641.61	
	For >75 To 100 Lb./LF, Deduct	-2,261.10	
	For >10 To 25 Tons, Deduct	-315.75	
	For >25 To 50 Tons, Deduct	-650.08	
	For >50 Tons, Deduct	-928.69	
05 12 23 00-0104	TON Structural Shapes, Steel Plate A36 Structural Steel	9,789.55	1,093.07
	Note: Up to 21.5 Lb. per SF		
	For ASTM A242 Type 2 High Strength Steel, Add	666.88	
	For Hot Dip Galvanizing, Add	2,334.08	
	For >21.5 To 50 Lb./LF, Deduct	-1,051.63	
	For >10 To 25 Tons, Deduct	-708.56	
	For >25 To 50 Tons, Deduct	-1,458.80	
	For >50 Tons, Deduct	-2,084.00	
05 12 23 00-0105	LB Up To 20 Lb./LF Structural Shapes, Primed Pipe Supports.....	5.73	0.24
05 12 23 00-0106	LB Structural Shapes, Galvanized Pipe Supports	7.03	0.24

05 12 23 00-0107 Built-Up Trusses (05 12 23 00-0048)

05 12 23 00-0108	TON Up To 50 LF Span Average Weight 100 Lb./LF Trusses, Built-up	11,008.00	380.50
	For >10 To 25 Tons, Deduct	-901.18	
	For >25 To 50 Tons, Deduct	-1,855.37	
	For >50 Tons, Deduct	-2,650.53	
05 12 23 00-0109	TON >50-100 LF Span Average Weight 120 Lb./LF Trusses, Built-up.....	10,931.80	211.31
	For >10 To 25 Tons, Deduct	-910.04	
	For >25 To 50 Tons, Deduct	-1,873.61	
	For >50 Tons, Deduct	-2,676.58	
05 12 23 00-0110	TON >100-200 LF Span Average Weight 150 Lb./LF Trusses, Built-up.....	9,757.68	111.87
	For >10 To 25 Tons, Deduct	-819.26	
	For >25 To 50 Tons, Deduct	-1,686.70	
	For >50 Tons, Deduct	-2,409.58	
05 12 23 00-0111	TON >200 LF Span Average Weight 180 Lb./LF Trusses, Built-up.....	9,490.54	105.78
	For >10 To 25 Tons, Deduct	-797.11	
	For >25 To 50 Tons, Deduct	-1,641.12	
	For >50 Tons, Deduct	-2,344.45	

05 12 23 00-0112 Masonry Plates, Filler Plates, Sole Plates And Anchor Straps (05 12 23 00-0048)

Note: Includes shop fabrication, welds, drilling and shop primer.

05 12 23 00-0113	SF 1/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	34.83	7.87
05 12 23 00-0114	SF 3/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	52.24	11.77
05 12 23 00-0115	SF 1/2" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	69.66	15.70
05 12 23 00-0116	SF 5/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	87.06	19.61
05 12 23 00-0117	SF 3/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	104.47	23.42
05 12 23 00-0118	SF 7/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	121.89	27.46
05 12 23 00-0119	SF 1" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	139.30	31.38
05 12 23 00-0120	SF 1-1/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	156.72	35.31
05 12 23 00-0121	SF 1-1/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	174.13	39.23
05 12 23 00-0122	SF 1-3/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	191.54	43.15
05 12 23 00-0123	SF 1-1/2" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	208.96	47.08
05 12 23 00-0124	SF 1-5/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	226.36	51.00
05 12 23 00-0125	SF 1-3/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	243.79	54.91
05 12 23 00-0126	SF 1-7/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	261.20	58.84
05 12 23 00-0127	SF 2" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	278.61	62.76

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0128		Accessories For Steel (05 12 23)		
05 12 23 00-0129		Field Painting For Touch-Up Of Shop Prime Coat (05 12 23 00-0128)		
05 12 23 00-0130	SF	Touch Up Paint - Type 1 Red Oxide Field Painting Prime Coat.....	1.43	
05 12 23 00-0131		Connection And Stiffener Plates (05 12 23 00-0128)		
		Note: For field fabrication of additional structural metal connections.		
05 12 23 00-0132	TON	1/8" Plate Weight 6.16 Lb./SF Connection And Stiffener Plates	24,065.21	
		For >10 To 25 Tons, Deduct	-2,045.54	
		For >25 To 50 Tons, Deduct	-4,211.41	
		For >50 Tons, Deduct	-6,016.30	
05 12 23 00-0133	TON	3/16" Plate Weight 8.71 Lb./SF Connection And Stiffener Plates	20,532.34	
		For >10 To 25 Tons, Deduct	-1,745.25	
		For >25 To 50 Tons, Deduct	-3,593.16	
		For >50 Tons, Deduct	-5,133.09	
05 12 23 00-0134	TON	1/4" Plate Weight 11.26 Lb./SF Connection And Stiffener Plates	15,878.08	
		For >10 To 25 Tons, Deduct	-1,349.64	
		For >25 To 50 Tons, Deduct	-2,778.66	
		For >50 Tons, Deduct	-3,969.52	
05 12 23 00-0135	TON	5/16" Plate Weight 13.81 Lb./SF Connection And Stiffener Plates	15,878.08	
		For >10 To 25 Tons, Deduct	-1,349.64	
		For >25 To 50 Tons, Deduct	-2,778.66	
		For >50 Tons, Deduct	-3,969.52	
05 12 23 00-0136	TON	3/8" Plate Weight 16.37 Lb./SF Connection And Stiffener Plates	15,878.08	
		For >10 To 25 Tons, Deduct	-1,349.64	
		For >25 To 50 Tons, Deduct	-2,778.66	
		For >50 Tons, Deduct	-3,969.52	
05 12 23 00-0137	TON	1/2" Plate Weight 21.47 Lb./SF Connection And Stiffener Plates	15,878.08	
		For >10 To 25 Tons, Deduct	-1,349.64	
		For >25 To 50 Tons, Deduct	-2,778.66	
		For >50 Tons, Deduct	-3,969.52	
05 12 23 00-0138	TON	9/16" Plate Weight 24.02 Lb./SF Connection And Stiffener Plates	15,878.08	
		For >10 To 25 Tons, Deduct	-1,349.64	
		For >25 To 50 Tons, Deduct	-2,778.66	
		For >50 Tons, Deduct	-3,969.52	
05 12 23 00-0139	TON	5/8" Plate Weight 26.58 Lb./SF Connection And Stiffener Plates	15,878.08	
		For >10 To 25 Tons, Deduct	-1,349.64	
		For >25 To 50 Tons, Deduct	-2,778.66	
		For >50 Tons, Deduct	-3,969.52	
05 12 23 00-0140	TON	3/4" Plate Weight 31.68 Lb./SF Connection And Stiffener Plates	14,885.70	
		For >10 To 25 Tons, Deduct	-1,265.28	
		For >25 To 50 Tons, Deduct	-2,605.00	
		For >50 Tons, Deduct	-3,721.43	
05 12 23 00-0141	TON	7/8" Plate Weight 36.78 Lb./SF Connection And Stiffener Plates	14,885.70	
		For >10 To 25 Tons, Deduct	-1,265.28	
		For >25 To 50 Tons, Deduct	-2,605.00	
		For >50 Tons, Deduct	-3,721.43	
05 12 23 00-0142	TON	1" Plate Weight 41.89 Lb./SF Connection And Stiffener Plates	14,885.70	
		For >10 To 25 Tons, Deduct	-1,265.28	
		For >25 To 50 Tons, Deduct	-2,605.00	
		For >50 Tons, Deduct	-3,721.43	
05 12 23 00-0143		Field Applied Cold Galvanizing (05 12 23 00-0128)		
05 12 23 00-0144	SF	Brush Applied Cold Galvanizing	1.88	
05 12 23 00-0145		Metal Grinding (05 12 23 00-0128)		
		Note: For use to prepare existing metal for welding by removing of rust or scale and smoothing surface after torch cutting.		
05 12 23 00-0146	SI	Metal Grinding Up To 1/32" Thickness To Be Removed.....	1.51	
		Note: Includes rust or scale removal on metal and smoothing surface.		
05 12 23 00-0147		Structural Steel For Buildings And Structures (05 12 23)		
		Note: Prices by Ton (or LB) are based on ASTM A992/A36 steel with bolted standard beam connections and shop primed with red primer paint. Stock cross-sections only. Includes shop fabrication into sub-assemblies and delivery to site, all connecting bolts, connecting welds, and crane for erection (or demolition). Excludes moment connection welding.		
05 12 23 00-0148		First Tier A992/A36 Structural Steel Columns, W Shapes (05 12 23 00-0147)		
		Note: With base plate. Includes material delivery and erection.		
05 12 23 00-0149	LF	W14 x 730 A992/A36 Structural Column	1,663.60	75.80
		For Hot Dip Galvanizing, Add	439.23	
		For High Strength Low Alloy A572-50 Steel, Add	149.72	
		For High Strength Low Alloy A588 Grade B Steel, Add	332.72	
05 12 23 00-0150	LF	W14 x 665 A992/A36 Structural Column	1,517.17	70.65
		For Hot Dip Galvanizing, Add	400.12	
		For High Strength Low Alloy A572-50 Steel, Add	136.55	
		For High Strength Low Alloy A588 Grade B Steel, Add	303.43	
05 12 23 00-0151	LF	W14 x 605 A992/A36 Structural Column	1,381.88	65.76
		For Hot Dip Galvanizing, Add	364.02	
		For High Strength Low Alloy A572-50 Steel, Add	124.37	
		For High Strength Low Alloy A588 Grade B Steel, Add	276.38	
05 12 23 00-0152	LF	W14 x 550 A992/A36 Structural Column	1,257.73	61.17
		For Hot Dip Galvanizing, Add	330.92	
		For High Strength Low Alloy A572-50 Steel, Add	113.20	
		For High Strength Low Alloy A588 Grade B Steel, Add	251.55	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 12 23 00-0153	LF	W14 x 500 A992/A36 Structural Column	1,154.49	65.95
		For Hot Dip Galvanizing, Add	300.84	
		For High Strength Low Alloy A572-50 Steel, Add	103.90	
		For High Strength Low Alloy A588 Grade B Steel, Add	230.90	
05 12 23 00-0154	LF	W14 x 426 A992/A36 Structural Column	985.02	57.58
		For Hot Dip Galvanizing, Add	256.32	
		For High Strength Low Alloy A572-50 Steel, Add	88.65	
		For High Strength Low Alloy A588 Grade B Steel, Add	197.00	
05 12 23 00-0155	LF	W14 x 342 A992/A36 Structural Column	796.48	49.85
		For Hot Dip Galvanizing, Add	206.29	
		For High Strength Low Alloy A572-50 Steel, Add	71.68	
		For High Strength Low Alloy A588 Grade B Steel, Add	159.30	
05 12 23 00-0156	LF	W14 x 311 A992/A36 Structural Column	717.35	46.55
		For Hot Dip Galvanizing, Add	185.28	
		For High Strength Low Alloy A572-50 Steel, Add	64.56	
		For High Strength Low Alloy A588 Grade B Steel, Add	143.47	
05 12 23 00-0157	LF	W14 x 283 A992/A36 Structural Column	651.11	43.88
		For Hot Dip Galvanizing, Add	167.71	
		For High Strength Low Alloy A572-50 Steel, Add	58.60	
		For High Strength Low Alloy A588 Grade B Steel, Add	130.22	
05 12 23 00-0158	LF	W14 x 257 A992/A36 Structural Column	572.27	41.60
		For Hot Dip Galvanizing, Add	146.50	
		For High Strength Low Alloy A572-50 Steel, Add	51.50	
		For High Strength Low Alloy A588 Grade B Steel, Add	114.45	
05 12 23 00-0159	LF	W14 x 233 A992/A36 Structural Column	526.64	38.68
		For Hot Dip Galvanizing, Add	134.70	
		For High Strength Low Alloy A572-50 Steel, Add	47.40	
		For High Strength Low Alloy A588 Grade B Steel, Add	105.33	
05 12 23 00-0160	LF	W14 x 211 A992/A36 Structural Column	468.42	36.02
		For Hot Dip Galvanizing, Add	119.32	
		For High Strength Low Alloy A572-50 Steel, Add	42.16	
		For High Strength Low Alloy A588 Grade B Steel, Add	93.68	
05 12 23 00-0161	LF	W14 x 193 A992/A36 Structural Column	423.66	34.24
		For Hot Dip Galvanizing, Add	107.43	
		For High Strength Low Alloy A572-50 Steel, Add	38.13	
		For High Strength Low Alloy A588 Grade B Steel, Add	84.73	
05 12 23 00-0162	LF	W14 x 176 A992/A36 Structural Column	381.82	32.72
		For Hot Dip Galvanizing, Add	96.28	
		For High Strength Low Alloy A572-50 Steel, Add	34.36	
		For High Strength Low Alloy A588 Grade B Steel, Add	76.36	
05 12 23 00-0163	LF	W14 x 159 A992/A36 Structural Column	345.21	31.58
		For Hot Dip Galvanizing, Add	86.47	
		For High Strength Low Alloy A572-50 Steel, Add	31.07	
		For High Strength Low Alloy A588 Grade B Steel, Add	69.04	
05 12 23 00-0164	LF	W14 x 145 A992/A36 Structural Column	333.61	30.56
		For Hot Dip Galvanizing, Add	83.53	
		For High Strength Low Alloy A572-50 Steel, Add	30.02	
		For High Strength Low Alloy A588 Grade B Steel, Add	66.72	
05 12 23 00-0165	LF	W14 x 132 A992/A36 Structural Column	285.27	29.17
		For Hot Dip Galvanizing, Add	70.54	
		For High Strength Low Alloy A572-50 Steel, Add	25.67	
		For High Strength Low Alloy A588 Grade B Steel, Add	57.05	
05 12 23 00-0166	LF	W14 x 120 A992/A36 Structural Column	267.46	28.41
		For Hot Dip Galvanizing, Add	65.81	
		For High Strength Low Alloy A572-50 Steel, Add	24.07	
		For High Strength Low Alloy A588 Grade B Steel, Add	53.49	
05 12 23 00-0167	LF	W14 x 109 A992/A36 Structural Column	239.46	27.27
		For Hot Dip Galvanizing, Add	58.39	
		For High Strength Low Alloy A572-50 Steel, Add	21.55	
		For High Strength Low Alloy A588 Grade B Steel, Add	47.89	
05 12 23 00-0168	LF	W14 x 99 A992/A36 Structural Column	218.49	26.51
		For Hot Dip Galvanizing, Add	52.82	
		For High Strength Low Alloy A572-50 Steel, Add	19.66	
		For High Strength Low Alloy A588 Grade B Steel, Add	43.70	
05 12 23 00-0169	LF	W14 x 90 A992/A36 Structural Column	202.97	25.87
		For Hot Dip Galvanizing, Add	48.68	
		For High Strength Low Alloy A572-50 Steel, Add	18.27	
		For High Strength Low Alloy A588 Grade B Steel, Add	40.59	
05 12 23 00-0170	LF	W14 x 82 A992/A36 Structural Column	186.96	25.11
		For Hot Dip Galvanizing, Add	44.45	
		For High Strength Low Alloy A572-50 Steel, Add	16.83	
		For High Strength Low Alloy A588 Grade B Steel, Add	37.39	
05 12 23 00-0171	LF	W14 x 74 A992/A36 Structural Column	168.80	24.48
		For Hot Dip Galvanizing, Add	39.62	
		For High Strength Low Alloy A572-50 Steel, Add	15.19	
		For High Strength Low Alloy A588 Grade B Steel, Add	33.76	
05 12 23 00-0172	LF	W14 x 68 A992/A36 Structural Column	157.65	24.10
		For Hot Dip Galvanizing, Add	36.64	
		For High Strength Low Alloy A572-50 Steel, Add	14.19	
		For High Strength Low Alloy A588 Grade B Steel, Add	31.53	
05 12 23 00-0173	LF	W14 x 61 A992/A36 Structural Column	143.73	23.46
		For Hot Dip Galvanizing, Add	32.95	
		For High Strength Low Alloy A572-50 Steel, Add	12.94	
		For High Strength Low Alloy A588 Grade B Steel, Add	28.75	
05 12 23 00-0174	LF	W14 x 53 A992/A36 Structural Column	130.91	22.83
		For Hot Dip Galvanizing, Add	29.57	
		For High Strength Low Alloy A572-50 Steel, Add	11.78	
		For High Strength Low Alloy A588 Grade B Steel, Add	26.18	

			Metals	05	05
			Structural Metal Framing	05 10	
			Structural Steel Framing	05 12	
MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
			UNIT COST	UNIT COST	
05 12 23 00-0175	LF	W14 x 48 A992/A36 Structural Column	122.63		22.45
		For Hot Dip Galvanizing, Add	27.38		
		For High Strength Low Alloy A572-50 Steel, Add	11.04		
		For High Strength Low Alloy A588 Grade B Steel, Add	24.53		
05 12 23 00-0176	LF	W14 x 43 A992/A36 Structural Column	110.65		22.07
		For Hot Dip Galvanizing, Add	24.19		
		For High Strength Low Alloy A572-50 Steel, Add	9.96		
		For High Strength Low Alloy A588 Grade B Steel, Add	22.13		
05 12 23 00-0177	LF	W12 x 336 A992/A36 Structural Column	758.64		33.76
		For Hot Dip Galvanizing, Add	200.54		
		For High Strength Low Alloy A572-50 Steel, Add	68.28		
		For High Strength Low Alloy A588 Grade B Steel, Add	151.73		
05 12 23 00-0178	LF	W12 x 305 A992/A36 Structural Column	691.25		33.08
		For Hot Dip Galvanizing, Add	182.03		
		For High Strength Low Alloy A572-50 Steel, Add	62.21		
		For High Strength Low Alloy A588 Grade B Steel, Add	138.25		
05 12 23 00-0179	LF	W12 x 279 A992/A36 Structural Column	634.90		32.68
		For Hot Dip Galvanizing, Add	166.52		
		For High Strength Low Alloy A572-50 Steel, Add	57.14		
		For High Strength Low Alloy A588 Grade B Steel, Add	126.98		
05 12 23 00-0180	LF	W12 x 252 A992/A36 Structural Column	575.96		31.87
		For Hot Dip Galvanizing, Add	150.40		
		For High Strength Low Alloy A572-50 Steel, Add	51.84		
		For High Strength Low Alloy A588 Grade B Steel, Add	115.19		
05 12 23 00-0181	LF	W12 x 230 A992/A36 Structural Column	528.16		31.40
		For Hot Dip Galvanizing, Add	137.27		
		For High Strength Low Alloy A572-50 Steel, Add	47.53		
		For High Strength Low Alloy A588 Grade B Steel, Add	105.63		
05 12 23 00-0182	LF	W12 x 210 A992/A36 Structural Column	484.67		30.97
		For Hot Dip Galvanizing, Add	125.34		
		For High Strength Low Alloy A572-50 Steel, Add	43.62		
		For High Strength Low Alloy A588 Grade B Steel, Add	96.93		
05 12 23 00-0183	LF	W12 x 190 A992/A36 Structural Column	446.07		35.00
		For Hot Dip Galvanizing, Add	113.40		
		For High Strength Low Alloy A572-50 Steel, Add	40.15		
		For High Strength Low Alloy A588 Grade B Steel, Add	89.21		
05 12 23 00-0184	LF	W12 x 170 A992/A36 Structural Column	403.06		33.99
		For Hot Dip Galvanizing, Add	101.82		
		For High Strength Low Alloy A572-50 Steel, Add	36.28		
		For High Strength Low Alloy A588 Grade B Steel, Add	80.61		
05 12 23 00-0185	LF	W12 x 152 A992/A36 Structural Column	363.32		31.58
		For Hot Dip Galvanizing, Add	91.49		
		For High Strength Low Alloy A572-50 Steel, Add	32.70		
		For High Strength Low Alloy A588 Grade B Steel, Add	72.66		
05 12 23 00-0186	LF	W12 x 136 A992/A36 Structural Column	345.40		30.69
		For Hot Dip Galvanizing, Add	86.77		
		For High Strength Low Alloy A572-50 Steel, Add	31.09		
		For High Strength Low Alloy A588 Grade B Steel, Add	69.08		
05 12 23 00-0187	LF	W12 x 120 A992/A36 Structural Column	261.41		28.16
		For Hot Dip Galvanizing, Add	64.17		
		For High Strength Low Alloy A572-50 Steel, Add	23.53		
		For High Strength Low Alloy A588 Grade B Steel, Add	52.28		
05 12 23 00-0188	LF	W12 x 106 A992/A36 Structural Column	240.90		27.27
		For Hot Dip Galvanizing, Add	58.79		
		For High Strength Low Alloy A572-50 Steel, Add	21.68		
		For High Strength Low Alloy A588 Grade B Steel, Add	48.18		
05 12 23 00-0189	LF	W12 x 96 A992/A36 Structural Column	215.49		26.39
		For Hot Dip Galvanizing, Add	52.02		
		For High Strength Low Alloy A572-50 Steel, Add	19.39		
		For High Strength Low Alloy A588 Grade B Steel, Add	43.10		
05 12 23 00-0190	LF	W12 x 87 A992/A36 Structural Column	198.76		25.49
		For Hot Dip Galvanizing, Add	47.59		
		For High Strength Low Alloy A572-50 Steel, Add	17.89		
		For High Strength Low Alloy A588 Grade B Steel, Add	39.75		
05 12 23 00-0191	LF	W12 x 79 A992/A36 Structural Column	174.39		24.73
		For Hot Dip Galvanizing, Add	41.07		
		For High Strength Low Alloy A572-50 Steel, Add	15.70		
		For High Strength Low Alloy A588 Grade B Steel, Add	34.88		
05 12 23 00-0192	LF	W12 x 72 A992/A36 Structural Column	159.56		24.10
		For Hot Dip Galvanizing, Add	37.14		
		For High Strength Low Alloy A572-50 Steel, Add	14.36		
		For High Strength Low Alloy A588 Grade B Steel, Add	31.91		
05 12 23 00-0193	LF	W12 x 65 A992/A36 Structural Column	145.84		23.59
		For Hot Dip Galvanizing, Add	33.50		
		For High Strength Low Alloy A572-50 Steel, Add	13.13		
		For High Strength Low Alloy A588 Grade B Steel, Add	29.17		
05 12 23 00-0194	LF	W12 x 58 A992/A36 Structural Column	141.10		23.34
		For Hot Dip Galvanizing, Add	32.26		
		For High Strength Low Alloy A572-50 Steel, Add	12.70		
		For High Strength Low Alloy A588 Grade B Steel, Add	28.22		
05 12 23 00-0195	LF	W12 x 53 A992/A36 Structural Column	130.91		22.83
		For Hot Dip Galvanizing, Add	29.57		
		For High Strength Low Alloy A572-50 Steel, Add	11.78		
		For High Strength Low Alloy A588 Grade B Steel, Add	26.18		
05 12 23 00-0196	LF	W12 x 50 A992/A36 Structural Column	126.83		22.71
		For Hot Dip Galvanizing, Add	28.47		
		For High Strength Low Alloy A572-50 Steel, Add	11.41		
		For High Strength Low Alloy A588 Grade B Steel, Add	25.37		

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 12 23 00-0197	LF	W12 x 45 A992/A36 Structural Column	115.21	22.20
		For Hot Dip Galvanizing, Add	25.39	
		For High Strength Low Alloy A572-50 Steel, Add	10.37	
		For High Strength Low Alloy A588 Grade B Steel, Add	23.04	
05 12 23 00-0198	LF	W12 x 40 A992/A36 Structural Column	103.22	21.69
		For Hot Dip Galvanizing, Add	22.20	
		For High Strength Low Alloy A572-50 Steel, Add	9.29	
		For High Strength Low Alloy A588 Grade B Steel, Add	20.64	
05 12 23 00-0199	LF	W10 x 112 A992/A36 Structural Column	251.99	27.78
		For Hot Dip Galvanizing, Add	61.73	
		For High Strength Low Alloy A572-50 Steel, Add	22.68	
		For High Strength Low Alloy A588 Grade B Steel, Add	50.40	
05 12 23 00-0200	LF	W10 x 110 A992/A36 Structural Column	227.89	26.64
		For Hot Dip Galvanizing, Add	55.36	
		For High Strength Low Alloy A572-50 Steel, Add	20.51	
		For High Strength Low Alloy A588 Grade B Steel, Add	45.58	
05 12 23 00-0201	LF	W10 x 88 A992/A36 Structural Column	204.81	25.74
		For Hot Dip Galvanizing, Add	49.23	
		For High Strength Low Alloy A572-50 Steel, Add	18.43	
		For High Strength Low Alloy A588 Grade B Steel, Add	40.96	
05 12 23 00-0202	LF	W10 x 77 A992/A36 Structural Column	182.10	24.73
		For Hot Dip Galvanizing, Add	43.21	
		For High Strength Low Alloy A572-50 Steel, Add	16.39	
		For High Strength Low Alloy A588 Grade B Steel, Add	36.42	
05 12 23 00-0203	LF	W10 x 68 A992/A36 Structural Column	163.93	24.10
		For Hot Dip Galvanizing, Add	38.38	
		For High Strength Low Alloy A572-50 Steel, Add	14.75	
		For High Strength Low Alloy A588 Grade B Steel, Add	32.79	
05 12 23 00-0204	LF	W10 x 60 A992/A36 Structural Column	143.73	23.46
		For Hot Dip Galvanizing, Add	32.95	
		For High Strength Low Alloy A572-50 Steel, Add	12.94	
		For High Strength Low Alloy A588 Grade B Steel, Add	28.75	
05 12 23 00-0205	LF	W10 x 54 A992/A36 Structural Column	142.77	23.08
		For Hot Dip Galvanizing, Add	32.76	
		For High Strength Low Alloy A572-50 Steel, Add	12.85	
		For High Strength Low Alloy A588 Grade B Steel, Add	28.55	
05 12 23 00-0206	LF	W10 x 49 A992/A36 Structural Column	125.27	22.71
		For Hot Dip Galvanizing, Add	28.07	
		For High Strength Low Alloy A572-50 Steel, Add	11.27	
		For High Strength Low Alloy A588 Grade B Steel, Add	25.05	
05 12 23 00-0207	LF	W10 x 45 A992/A36 Structural Column	120.90	22.33
		For Hot Dip Galvanizing, Add	26.93	
		For High Strength Low Alloy A572-50 Steel, Add	10.88	
		For High Strength Low Alloy A588 Grade B Steel, Add	24.18	
05 12 23 00-0208	LF	W10 x 39 A992/A36 Structural Column	105.14	21.95
		For Hot Dip Galvanizing, Add	22.70	
		For High Strength Low Alloy A572-50 Steel, Add	9.46	
		For High Strength Low Alloy A588 Grade B Steel, Add	21.03	
05 12 23 00-0209	LF	W10 x 33 A992/A36 Structural Column	91.60	21.30
		For Hot Dip Galvanizing, Add	19.12	
		For High Strength Low Alloy A572-50 Steel, Add	8.24	
		For High Strength Low Alloy A588 Grade B Steel, Add	18.32	
05 12 23 00-0210	LF	W8 x 67 A992/A36 Structural Column	157.83	24.10
		For Hot Dip Galvanizing, Add	36.69	
		For High Strength Low Alloy A572-50 Steel, Add	14.20	
		For High Strength Low Alloy A588 Grade B Steel, Add	31.57	
05 12 23 00-0211	LF	W8 x 58 A992/A36 Structural Column	141.64	23.34
		For Hot Dip Galvanizing, Add	32.41	
		For High Strength Low Alloy A572-50 Steel, Add	12.75	
		For High Strength Low Alloy A588 Grade B Steel, Add	28.33	
05 12 23 00-0212	LF	W8 x 48 A992/A36 Structural Column	126.71	22.71
		For Hot Dip Galvanizing, Add	28.47	
		For High Strength Low Alloy A572-50 Steel, Add	11.40	
		For High Strength Low Alloy A588 Grade B Steel, Add	25.34	
05 12 23 00-0213	LF	W8 x 40 A992/A36 Structural Column	108.68	22.07
		For Hot Dip Galvanizing, Add	23.65	
		For High Strength Low Alloy A572-50 Steel, Add	9.78	
		For High Strength Low Alloy A588 Grade B Steel, Add	21.74	
05 12 23 00-0214	LF	W8 x 35 A992/A36 Structural Column	98.12	21.57
		For Hot Dip Galvanizing, Add	20.86	
		For High Strength Low Alloy A572-50 Steel, Add	8.83	
		For High Strength Low Alloy A588 Grade B Steel, Add	19.62	
05 12 23 00-0215	LF	W8 x 31 A992/A36 Structural Column	89.62	21.30
		For Hot Dip Galvanizing, Add	18.57	
		For High Strength Low Alloy A572-50 Steel, Add	8.07	
		For High Strength Low Alloy A588 Grade B Steel, Add	17.92	
05 12 23 00-0216	LF	W8 x 28 A992/A36 Structural Column	84.34	21.05
		For Hot Dip Galvanizing, Add	17.17	
		For High Strength Low Alloy A572-50 Steel, Add	7.59	
		For High Strength Low Alloy A588 Grade B Steel, Add	16.87	
05 12 23 00-0217	LF	W8 x 24 A992/A36 Structural Column	77.99	20.80
		For Hot Dip Galvanizing, Add	15.48	
		For High Strength Low Alloy A572-50 Steel, Add	7.02	
		For High Strength Low Alloy A588 Grade B Steel, Add	15.60	
05 12 23 00-0218	LF	W8 x 21 A992/A36 Structural Column	73.79	20.67
		For Hot Dip Galvanizing, Add	14.39	
		For High Strength Low Alloy A572-50 Steel, Add	6.64	
		For High Strength Low Alloy A588 Grade B Steel, Add	14.76	

			Metals	05	05
			Structural Metal Framing	05 10	
			Structural Steel Framing	05 12	
MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
			UNIT COST	UNIT COST	
05 12 23 00-0219	LF	W8 x 18 A992/A36 Structural Column	65.82		20.29
		For Hot Dip Galvanizing, Add	12.25		
		For High Strength Low Alloy A572-50 Steel, Add	5.92		
		For High Strength Low Alloy A588 Grade B Steel, Add	13.16		
05 12 23 00-0220	LF	W6 x 25 A992/A36 Structural Column	81.94		20.80
		For Hot Dip Galvanizing, Add	16.58		
		For High Strength Low Alloy A572-50 Steel, Add	7.37		
		For High Strength Low Alloy A588 Grade B Steel, Add	16.39		
05 12 23 00-0221	LF	W6 x 20 A992/A36 Structural Column	69.18		20.42
		For Hot Dip Galvanizing, Add	13.14		
		For High Strength Low Alloy A572-50 Steel, Add	6.23		
		For High Strength Low Alloy A588 Grade B Steel, Add	13.84		
05 12 23 00-0222	LF	W6 x 15 A992/A36 Structural Column	59.21		19.78
		For Hot Dip Galvanizing, Add	10.55		
		For High Strength Low Alloy A572-50 Steel, Add	5.33		
		For High Strength Low Alloy A588 Grade B Steel, Add	11.84		
05 12 23 00-0223	LF	W6 x 12 A992/A36 Structural Column	55.44		19.78
		For Hot Dip Galvanizing, Add	9.51		
		For High Strength Low Alloy A572-50 Steel, Add	4.99		
		For High Strength Low Alloy A588 Grade B Steel, Add	11.09		
05 12 23 00-0224	LF	W6 x 9 A992/A36 Structural Column	50.65		19.66
		For Hot Dip Galvanizing, Add	8.21		
		For High Strength Low Alloy A572-50 Steel, Add	4.56		
		For High Strength Low Alloy A588 Grade B Steel, Add	10.13		
05 12 23 00-0225	LF	W5 x 19 A992/A36 Structural Column	68.10		20.42
		For Hot Dip Galvanizing, Add	12.84		
		For High Strength Low Alloy A572-50 Steel, Add	6.13		
		For High Strength Low Alloy A588 Grade B Steel, Add	13.62		
05 12 23 00-0226	LF	W5 x 16 A992/A36 Structural Column	62.65		20.29
		For Hot Dip Galvanizing, Add	11.40		
		For High Strength Low Alloy A572-50 Steel, Add	5.64		
		For High Strength Low Alloy A588 Grade B Steel, Add	12.53		
05 12 23 00-0227	LF	W4 x 13 A992/A36 Structural Column	58.62		20.04
		For Hot Dip Galvanizing, Add	10.35		
		For High Strength Low Alloy A572-50 Steel, Add	5.28		
		For High Strength Low Alloy A588 Grade B Steel, Add	11.72		
05 12 23 00-0228	A992/A36 Structural Steel Beams And Girders, W Shapes (05 12 23 00-0147)				
	Note: Includes material delivery and erection.				
05 12 23 00-0229	LF	W36 x 300 A992/A36 Structural Beam Or Girder	597.87		83.01
		For Hot Dip Galvanizing, Add	141.34		
		For High Strength Low Alloy A572-50 Steel, Add	53.81		
		For High Strength Low Alloy A588 Steel, Add	119.57		
		For Each Additional Top Copes >2, Add	5.09		
		For Structural Tees, WT, MT Or ST, Deduct	-195.97		
		For Skewed Or Sloped Connections, Add	71.74		
05 12 23 00-0230	LF	W36 x 280 A992/A36 Structural Beam Or Girder	576.84		95.12
		For Hot Dip Galvanizing, Add	131.92		
		For High Strength Low Alloy A572-50 Steel, Add	51.92		
		For High Strength Low Alloy A588 Steel, Add	115.37		
		For Each Additional Top Copes >2, Add	4.75		
		For Structural Tees, WT, MT Or ST, Deduct	-186.68		
		For Skewed Or Sloped Connections, Add	69.22		
05 12 23 00-0231	LF	W36 x 260 A992/A36 Structural Beam Or Girder	546.02		93.98
		For Hot Dip Galvanizing, Add	123.72		
		For High Strength Low Alloy A572-50 Steel, Add	49.14		
		For High Strength Low Alloy A588 Steel, Add	109.20		
		For Each Additional Top Copes >2, Add	4.46		
		For Structural Tees, WT, MT Or ST, Deduct	-176.08		
		For Skewed Or Sloped Connections, Add	65.52		
05 12 23 00-0232	LF	W36 x 240 A992/A36 Structural Beam Or Girder	508.73		80.00
		For Hot Dip Galvanizing, Add	117.49		
		For High Strength Low Alloy A572-50 Steel, Add	45.79		
		For High Strength Low Alloy A588 Steel, Add	101.75		
		For Each Additional Top Copes >2, Add	4.23		
		For Structural Tees, WT, MT Or ST, Deduct	-165.25		
		For Skewed Or Sloped Connections, Add	61.05		
05 12 23 00-0233	LF	W36 x 230 A992/A36 Structural Beam Or Girder	492.29		81.14
		For Hot Dip Galvanizing, Add	112.60		
		For High Strength Low Alloy A572-50 Steel, Add	44.31		
		For High Strength Low Alloy A588 Steel, Add	98.46		
		For Each Additional Top Copes >2, Add	4.06		
		For Structural Tees, WT, MT Or ST, Deduct	-159.32		
		For Skewed Or Sloped Connections, Add	59.07		
05 12 23 00-0234	LF	W36 x 210 A992/A36 Structural Beam Or Girder	467.48		90.94
		For Hot Dip Galvanizing, Add	102.80		
		For High Strength Low Alloy A572-50 Steel, Add	42.07		
		For High Strength Low Alloy A588 Steel, Add	93.50		
		For Each Additional Top Copes >2, Add	3.70		
		For Structural Tees, WT, MT Or ST, Deduct	-149.07		
		For Skewed Or Sloped Connections, Add	56.10		
05 12 23 00-0235	LF	W36 x 194 A992/A36 Structural Beam Or Girder	440.58		77.60
		For Hot Dip Galvanizing, Add	99.29		
		For High Strength Low Alloy A572-50 Steel, Add	39.65		
		For High Strength Low Alloy A588 Steel, Add	88.12		
		For Each Additional Top Copes >2, Add	3.58		
		For Structural Tees, WT, MT Or ST, Deduct	-141.79		
		For Skewed Or Sloped Connections, Add	52.87		

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 12 23 00-0236	LF	W36 x 182 A992/A36 Structural Beam Or Girder	417.84	77.03
		For Hot Dip Galvanizing, Add	93.15	
		For High Strength Low Alloy A572-50 Steel, Add	37.61	
		For High Strength Low Alloy A588 Steel, Add	83.57	
		For Each Additional Top Copes >2, Add	3.36	
		For Structural Tees, WT, MT Or ST, Deduct	-133.92	
		For Skewed Or Sloped Connections, Add	50.14	
05 12 23 00-0237	LF	W36 x 170 A992/A36 Structural Beam Or Girder	394.76	76.14
		For Hot Dip Galvanizing, Add	87.01	
		For High Strength Low Alloy A572-50 Steel, Add	35.53	
		For High Strength Low Alloy A588 Steel, Add	78.95	
		For Each Additional Top Copes >2, Add	3.14	
		For Structural Tees, WT, MT Or ST, Deduct	-125.98	
		For Skewed Or Sloped Connections, Add	47.37	
05 12 23 00-0238	LF	W36 x 160 A992/A36 Structural Beam Or Girder	388.96	88.03
		For Hot Dip Galvanizing, Add	81.89	
		For High Strength Low Alloy A572-50 Steel, Add	35.01	
		For High Strength Low Alloy A588 Steel, Add	77.79	
		For Each Additional Top Copes >2, Add	2.95	
		For Structural Tees, WT, MT Or ST, Deduct	-122.06	
		For Skewed Or Sloped Connections, Add	46.68	
05 12 23 00-0239	LF	W36 x 150 A992/A36 Structural Beam Or Girder	372.86	87.38
		For Hot Dip Galvanizing, Add	77.60	
		For High Strength Low Alloy A572-50 Steel, Add	33.56	
		For High Strength Low Alloy A588 Steel, Add	74.57	
		For Each Additional Top Copes >2, Add	2.80	
		For Structural Tees, WT, MT Or ST, Deduct	-116.52	
		For Skewed Or Sloped Connections, Add	44.74	
05 12 23 00-0240	LF	W36 x 135 A992/A36 Structural Beam Or Girder	350.35	86.62
		For Hot Dip Galvanizing, Add	71.60	
		For High Strength Low Alloy A572-50 Steel, Add	31.53	
		For High Strength Low Alloy A588 Steel, Add	70.07	
		For Each Additional Top Copes >2, Add	2.58	
		For Structural Tees, WT, MT Or ST, Deduct	-108.77	
		For Skewed Or Sloped Connections, Add	42.04	
05 12 23 00-0241	LF	W33 x 241 A992/A36 Structural Beam Or Girder	515.09	82.52
		For Hot Dip Galvanizing, Add	118.51	
		For High Strength Low Alloy A572-50 Steel, Add	46.36	
		For High Strength Low Alloy A588 Steel, Add	103.02	
		For Each Additional Top Copes >2, Add	4.27	
		For Structural Tees, WT, MT Or ST, Deduct	-167.08	
		For Skewed Or Sloped Connections, Add	61.81	
05 12 23 00-0242	LF	W33 x 221 A992/A36 Structural Beam Or Girder	477.49	80.49
		For Hot Dip Galvanizing, Add	108.68	
		For High Strength Low Alloy A572-50 Steel, Add	42.97	
		For High Strength Low Alloy A588 Steel, Add	95.50	
		For Each Additional Top Copes >2, Add	3.92	
		For Structural Tees, WT, MT Or ST, Deduct	-154.24	
		For Skewed Or Sloped Connections, Add	57.30	
05 12 23 00-0243	LF	W33 x 201 A992/A36 Structural Beam Or Girder	452.57	90.30
		For Hot Dip Galvanizing, Add	98.84	
		For High Strength Low Alloy A572-50 Steel, Add	40.73	
		For High Strength Low Alloy A588 Steel, Add	90.51	
		For Each Additional Top Copes >2, Add	3.56	
		For Structural Tees, WT, MT Or ST, Deduct	-143.94	
		For Skewed Or Sloped Connections, Add	54.31	
05 12 23 00-0244	LF	W33 x 170 A992/A36 Structural Beam Or Girder	406.25	88.66
		For Hot Dip Galvanizing, Add	86.51	
		For High Strength Low Alloy A572-50 Steel, Add	36.56	
		For High Strength Low Alloy A588 Steel, Add	81.25	
		For Each Additional Top Copes >2, Add	3.12	
		For Structural Tees, WT, MT Or ST, Deduct	-128.01	
		For Skewed Or Sloped Connections, Add	48.75	
05 12 23 00-0245	LF	W33 x 152 A992/A36 Structural Beam Or Girder	369.16	75.90
		For Hot Dip Galvanizing, Add	79.97	
		For High Strength Low Alloy A572-50 Steel, Add	33.22	
		For High Strength Low Alloy A588 Steel, Add	73.83	
		For Each Additional Top Copes >2, Add	2.88	
		For Structural Tees, WT, MT Or ST, Deduct	-117.06	
		For Skewed Or Sloped Connections, Add	44.30	
05 12 23 00-0246	LF	W33 x 141 A992/A36 Structural Beam Or Girder	360.06	86.88
		For Hot Dip Galvanizing, Add	74.19	
		For High Strength Low Alloy A572-50 Steel, Add	32.41	
		For High Strength Low Alloy A588 Steel, Add	72.01	
		For Each Additional Top Copes >2, Add	2.67	
		For Structural Tees, WT, MT Or ST, Deduct	-112.11	
		For Skewed Or Sloped Connections, Add	43.21	
05 12 23 00-0247	LF	W33 x 130 A992/A36 Structural Beam Or Girder	341.83	86.24
		For Hot Dip Galvanizing, Add	69.34	
		For High Strength Low Alloy A572-50 Steel, Add	30.76	
		For High Strength Low Alloy A588 Steel, Add	68.37	
		For Each Additional Top Copes >2, Add	2.50	
		For Structural Tees, WT, MT Or ST, Deduct	-105.85	
		For Skewed Or Sloped Connections, Add	41.02	
05 12 23 00-0248	LF	W33 x 118 A992/A36 Structural Beam Or Girder	320.65	85.49
		For Hot Dip Galvanizing, Add	63.68	
		For High Strength Low Alloy A572-50 Steel, Add	28.86	
		For High Strength Low Alloy A588 Steel, Add	64.13	
		For Each Additional Top Copes >2, Add	2.29	
		For Structural Tees, WT, MT Or ST, Deduct	-98.55	
		For Skewed Or Sloped Connections, Add	38.48	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0249	LF		W30 x 211 A992/A36 Structural Beam Or Girder	457.71	80.34
			For Hot Dip Galvanizing, Add	103.23	
			For High Strength Low Alloy A572-50 Steel, Add	41.19	
			For High Strength Low Alloy A588 Steel, Add	91.54	
			For Each Additional Top Copes >2, Add	3.72	
			For Structural Tees, WT, MT Or ST, Deduct	-147.34	
			For Skewed Or Sloped Connections, Add	54.93	
05 12 23 00-0250	LF		W30 x 191 A992/A36 Structural Beam Or Girder	432.51	89.67
			For Hot Dip Galvanizing, Add	93.45	
			For High Strength Low Alloy A572-50 Steel, Add	38.93	
			For High Strength Low Alloy A588 Steel, Add	86.50	
			For Each Additional Top Copes >2, Add	3.37	
			For Structural Tees, WT, MT Or ST, Deduct	-137.01	
			For Skewed Or Sloped Connections, Add	51.90	
05 12 23 00-0251	LF		W30 x 173 A992/A36 Structural Beam Or Girder	396.14	76.68
			For Hot Dip Galvanizing, Add	87.23	
			For High Strength Low Alloy A572-50 Steel, Add	35.65	
			For High Strength Low Alloy A588 Steel, Add	79.23	
			For Each Additional Top Copes >2, Add	3.14	
			For Structural Tees, WT, MT Or ST, Deduct	-126.38	
			For Skewed Or Sloped Connections, Add	47.54	
05 12 23 00-0252	LF		W30 x 154 A992/A36 Structural Beam Or Girder	373.18	87.51
			For Hot Dip Galvanizing, Add	77.65	
			For High Strength Low Alloy A572-50 Steel, Add	33.59	
			For High Strength Low Alloy A588 Steel, Add	74.64	
			For Each Additional Top Copes >2, Add	2.80	
			For Structural Tees, WT, MT Or ST, Deduct	-116.61	
			For Skewed Or Sloped Connections, Add	44.78	
05 12 23 00-0253	LF		W30 x 132 A992/A36 Structural Beam Or Girder	332.57	73.98
			For Hot Dip Galvanizing, Add	70.39	
			For High Strength Low Alloy A572-50 Steel, Add	29.93	
			For High Strength Low Alloy A588 Steel, Add	66.51	
			For Each Additional Top Copes >2, Add	2.54	
			For Structural Tees, WT, MT Or ST, Deduct	-104.56	
			For Skewed Or Sloped Connections, Add	39.91	
05 12 23 00-0254	LF		W30 x 124 A992/A36 Structural Beam Or Girder	317.16	73.93
			For Hot Dip Galvanizing, Add	66.13	
			For High Strength Low Alloy A572-50 Steel, Add	28.54	
			For High Strength Low Alloy A588 Steel, Add	63.43	
			For Each Additional Top Copes >2, Add	2.38	
			For Structural Tees, WT, MT Or ST, Deduct	-99.18	
			For Skewed Or Sloped Connections, Add	38.06	
05 12 23 00-0255	LF		W30 x 116 A992/A36 Structural Beam Or Girder	313.97	85.36
			For Hot Dip Galvanizing, Add	61.86	
			For High Strength Low Alloy A572-50 Steel, Add	28.26	
			For High Strength Low Alloy A588 Steel, Add	62.79	
			For Each Additional Top Copes >2, Add	2.23	
			For Structural Tees, WT, MT Or ST, Deduct	-96.23	
			For Skewed Or Sloped Connections, Add	37.68	
05 12 23 00-0256	LF		W30 x 108 A992/A36 Structural Beam Or Girder	290.56	76.86
			For Hot Dip Galvanizing, Add	57.89	
			For High Strength Low Alloy A572-50 Steel, Add	26.15	
			For High Strength Low Alloy A588 Steel, Add	58.11	
			For Each Additional Top Copes >2, Add	2.09	
			For Structural Tees, WT, MT Or ST, Deduct	-89.41	
			For Skewed Or Sloped Connections, Add	34.87	
05 12 23 00-0257	LF		W30 x 99 A992/A36 Structural Beam Or Girder	277.57	76.48
			For Hot Dip Galvanizing, Add	54.43	
			For High Strength Low Alloy A572-50 Steel, Add	24.98	
			For High Strength Low Alloy A588 Steel, Add	55.51	
			For Each Additional Top Copes >2, Add	1.96	
			For Structural Tees, WT, MT Or ST, Deduct	-84.94	
			For Skewed Or Sloped Connections, Add	33.31	
05 12 23 00-0258	LF		W27 x 178 A992/A36 Structural Beam Or Girder	440.12	89.77
			For Hot Dip Galvanizing, Add	95.56	
			For High Strength Low Alloy A572-50 Steel, Add	39.61	
			For High Strength Low Alloy A588 Steel, Add	88.02	
			For Each Additional Top Copes >2, Add	3.44	
			For Structural Tees, WT, MT Or ST, Deduct	-139.68	
			For Skewed Or Sloped Connections, Add	52.81	
05 12 23 00-0259	LF		W27 x 161 A992/A36 Structural Beam Or Girder	403.62	86.39
			For Hot Dip Galvanizing, Add	86.43	
			For High Strength Low Alloy A572-50 Steel, Add	36.33	
			For High Strength Low Alloy A588 Steel, Add	80.72	
			For Each Additional Top Copes >2, Add	3.11	
			For Structural Tees, WT, MT Or ST, Deduct	-127.44	
			For Skewed Or Sloped Connections, Add	48.43	
05 12 23 00-0260	LF		W27 x 146 A992/A36 Structural Beam Or Girder	371.33	83.33
			For Hot Dip Galvanizing, Add	78.38	
			For High Strength Low Alloy A572-50 Steel, Add	33.42	
			For High Strength Low Alloy A588 Steel, Add	74.27	
			For Each Additional Top Copes >2, Add	2.82	
			For Structural Tees, WT, MT Or ST, Deduct	-116.63	
			For Skewed Or Sloped Connections, Add	44.56	
05 12 23 00-0261	LF		W27 x 114 A992/A36 Structural Beam Or Girder	294.37	69.23
			For Hot Dip Galvanizing, Add	61.20	
			For High Strength Low Alloy A572-50 Steel, Add	26.49	
			For High Strength Low Alloy A588 Steel, Add	58.87	
			For Each Additional Top Copes >2, Add	2.21	
			For Structural Tees, WT, MT Or ST, Deduct	-91.96	
			For Skewed Or Sloped Connections, Add	35.32	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 12 23 00-0262	LF	W27 x 102 A992/A36 Structural Beam Or Girder	278.88	76.48
		For Hot Dip Galvanizing, Add	54.76	
		For High Strength Low Alloy A572-50 Steel, Add	25.10	
		For High Strength Low Alloy A588 Steel, Add	55.78	
		For Each Additional Top Copes >2, Add	1.97	
		For Structural Tees, WT, MT Or ST, Deduct	-85.38	
		For Skewed Or Sloped Connections, Add	33.47	
05 12 23 00-0263	LF	W27 x 94 A992/A36 Structural Beam Or Girder	266.67	75.97
		For Hot Dip Galvanizing, Add	51.51	
		For High Strength Low Alloy A572-50 Steel, Add	24.00	
		For High Strength Low Alloy A588 Steel, Add	53.33	
		For Each Additional Top Copes >2, Add	1.86	
		For Structural Tees, WT, MT Or ST, Deduct	-81.18	
		For Skewed Or Sloped Connections, Add	32.00	
05 12 23 00-0264	LF	W27 x 84 A992/A36 Structural Beam Or Girder	251.76	75.47
		For Hot Dip Galvanizing, Add	47.55	
		For High Strength Low Alloy A572-50 Steel, Add	22.66	
		For High Strength Low Alloy A588 Steel, Add	50.35	
		For Each Additional Top Copes >2, Add	1.71	
		For Structural Tees, WT, MT Or ST, Deduct	-76.05	
		For Skewed Or Sloped Connections, Add	30.21	
05 12 23 00-0265	LF	W24 x 162 A992/A36 Structural Beam Or Girder	388.77	82.82
		For Hot Dip Galvanizing, Add	83.37	
		For High Strength Low Alloy A572-50 Steel, Add	34.99	
		For High Strength Low Alloy A588 Steel, Add	77.75	
		For Each Additional Top Copes >2, Add	3.00	
		For Structural Tees, WT, MT Or ST, Deduct	-122.82	
		For Skewed Or Sloped Connections, Add	46.65	
05 12 23 00-0266	LF	W24 x 146 A992/A36 Structural Beam Or Girder	355.46	79.40
		For Hot Dip Galvanizing, Add	75.14	
		For High Strength Low Alloy A572-50 Steel, Add	31.99	
		For High Strength Low Alloy A588 Steel, Add	71.09	
		For Each Additional Top Copes >2, Add	2.71	
		For Structural Tees, WT, MT Or ST, Deduct	-111.71	
		For Skewed Or Sloped Connections, Add	42.66	
05 12 23 00-0267	LF	W24 x 131 A992/A36 Structural Beam Or Girder	323.78	75.80
		For Hot Dip Galvanizing, Add	67.42	
		For High Strength Low Alloy A572-50 Steel, Add	29.14	
		For High Strength Low Alloy A588 Steel, Add	64.76	
		For Each Additional Top Copes >2, Add	2.43	
		For Structural Tees, WT, MT Or ST, Deduct	-101.20	
		For Skewed Or Sloped Connections, Add	38.85	
05 12 23 00-0268	LF	W24 x 117 A992/A36 Structural Beam Or Girder	293.79	72.01
		For Hot Dip Galvanizing, Add	60.21	
		For High Strength Low Alloy A572-50 Steel, Add	26.44	
		For High Strength Low Alloy A588 Steel, Add	58.76	
		For Each Additional Top Copes >2, Add	2.17	
		For Structural Tees, WT, MT Or ST, Deduct	-91.31	
		For Skewed Or Sloped Connections, Add	35.25	
05 12 23 00-0269	LF	W24 x 104 A992/A36 Structural Beam Or Girder	265.50	68.10
		For Hot Dip Galvanizing, Add	53.52	
		For High Strength Low Alloy A572-50 Steel, Add	23.90	
		For High Strength Low Alloy A588 Steel, Add	53.10	
		For Each Additional Top Copes >2, Add	1.93	
		For Structural Tees, WT, MT Or ST, Deduct	-82.03	
		For Skewed Or Sloped Connections, Add	31.86	
05 12 23 00-0270	LF	W24 x 94 A992/A36 Structural Beam Or Girder	255.36	75.97
		For Hot Dip Galvanizing, Add	48.37	
		For High Strength Low Alloy A572-50 Steel, Add	22.98	
		For High Strength Low Alloy A588 Steel, Add	51.07	
		For Each Additional Top Copes >2, Add	1.74	
		For Structural Tees, WT, MT Or ST, Deduct	-77.22	
		For Skewed Or Sloped Connections, Add	30.64	
05 12 23 00-0271	LF	W24 x 84 A992/A36 Structural Beam Or Girder	232.95	67.35
		For Hot Dip Galvanizing, Add	44.69	
		For High Strength Low Alloy A572-50 Steel, Add	20.97	
		For High Strength Low Alloy A588 Steel, Add	46.59	
		For Each Additional Top Copes >2, Add	1.61	
		For Structural Tees, WT, MT Or ST, Deduct	-70.75	
		For Skewed Or Sloped Connections, Add	27.95	
05 12 23 00-0272	LF	W24 x 76 A992/A36 Structural Beam Or Girder	221.53	66.84
		For Hot Dip Galvanizing, Add	41.66	
		For High Strength Low Alloy A572-50 Steel, Add	19.94	
		For High Strength Low Alloy A588 Steel, Add	44.31	
		For Each Additional Top Copes >2, Add	1.50	
		For Structural Tees, WT, MT Or ST, Deduct	-66.83	
		For Skewed Or Sloped Connections, Add	26.58	
05 12 23 00-0273	LF	W24 x 68 A992/A36 Structural Beam Or Girder	207.15	66.46
		For Hot Dip Galvanizing, Add	37.81	
		For High Strength Low Alloy A572-50 Steel, Add	18.64	
		For High Strength Low Alloy A588 Steel, Add	41.43	
		For Each Additional Top Copes >2, Add	1.36	
		For Structural Tees, WT, MT Or ST, Deduct	-61.87	
		For Skewed Or Sloped Connections, Add	24.86	
05 12 23 00-0274	LF	W24 x 62 A992/A36 Structural Beam Or Girder	199.63	66.08
		For Hot Dip Galvanizing, Add	35.83	
		For High Strength Low Alloy A572-50 Steel, Add	17.97	
		For High Strength Low Alloy A588 Steel, Add	39.93	
		For Each Additional Top Copes >2, Add	1.29	
		For Structural Tees, WT, MT Or ST, Deduct	-59.29	
		For Skewed Or Sloped Connections, Add	23.96	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0275	LF		W24 x 55 A992/A36 Structural Beam Or Girder	189.33	65.83
			For Hot Dip Galvanizing, Add	33.08	
			For High Strength Low Alloy A572-50 Steel, Add	17.04	
			For High Strength Low Alloy A588 Steel, Add	37.87	
			For Each Additional Top Copes >2, Add	1.19	
			For Structural Tees, WT, MT Or ST, Deduct	-55.74	
			For Skewed Or Sloped Connections, Add	22.72	
05 12 23 00-0276	LF		W21 x 147 A992/A36 Structural Beam Or Girder	340.36	68.11
			For Hot Dip Galvanizing, Add	74.29	
			For High Strength Low Alloy A572-50 Steel, Add	30.63	
			For High Strength Low Alloy A588 Steel, Add	68.07	
			For Each Additional Top Copes >2, Add	2.68	
			For Structural Tees, WT, MT Or ST, Deduct	-108.23	
			For Skewed Or Sloped Connections, Add	40.84	
05 12 23 00-0277	LF		W21 x 132 A992/A36 Structural Beam Or Girder	309.80	65.07
			For Hot Dip Galvanizing, Add	66.71	
			For High Strength Low Alloy A572-50 Steel, Add	27.88	
			For High Strength Low Alloy A588 Steel, Add	61.96	
			For Each Additional Top Copes >2, Add	2.40	
			For Structural Tees, WT, MT Or ST, Deduct	-98.02	
			For Skewed Or Sloped Connections, Add	37.18	
05 12 23 00-0278	LF		W21 x 122 A992/A36 Structural Beam Or Girder	290.42	63.98
			For Hot Dip Galvanizing, Add	61.65	
			For High Strength Low Alloy A572-50 Steel, Add	26.14	
			For High Strength Low Alloy A588 Steel, Add	58.08	
			For Each Additional Top Copes >2, Add	2.22	
			For Structural Tees, WT, MT Or ST, Deduct	-91.41	
			For Skewed Or Sloped Connections, Add	34.85	
05 12 23 00-0279	LF		W21 x 111 A992/A36 Structural Beam Or Girder	268.21	61.93
			For Hot Dip Galvanizing, Add	56.10	
			For High Strength Low Alloy A572-50 Steel, Add	24.14	
			For High Strength Low Alloy A588 Steel, Add	53.64	
			For Each Additional Top Copes >2, Add	2.02	
			For Structural Tees, WT, MT Or ST, Deduct	-83.96	
			For Skewed Or Sloped Connections, Add	32.19	
05 12 23 00-0280	LF		W21 x 101 A992/A36 Structural Beam Or Girder	247.87	59.94
			For Hot Dip Galvanizing, Add	51.04	
			For High Strength Low Alloy A572-50 Steel, Add	22.31	
			For High Strength Low Alloy A588 Steel, Add	49.57	
			For Each Additional Top Copes >2, Add	1.84	
			For Structural Tees, WT, MT Or ST, Deduct	-77.17	
			For Skewed Or Sloped Connections, Add	29.74	
05 12 23 00-0281	LF		W21 x 93 A992/A36 Structural Beam Or Girder	242.04	68.11
			For Hot Dip Galvanizing, Add	47.00	
			For High Strength Low Alloy A572-50 Steel, Add	21.78	
			For High Strength Low Alloy A588 Steel, Add	48.41	
			For Each Additional Top Copes >2, Add	1.69	
			For Structural Tees, WT, MT Or ST, Deduct	-73.81	
			For Skewed Or Sloped Connections, Add	29.04	
05 12 23 00-0282	LF		W21 x 83 A992/A36 Structural Beam Or Girder	228.58	67.35
			For Hot Dip Galvanizing, Add	43.48	
			For High Strength Low Alloy A572-50 Steel, Add	20.57	
			For High Strength Low Alloy A588 Steel, Add	45.72	
			For Each Additional Top Copes >2, Add	1.57	
			For Structural Tees, WT, MT Or ST, Deduct	-69.22	
			For Skewed Or Sloped Connections, Add	27.43	
05 12 23 00-0283	LF		W21 x 73 A992/A36 Structural Beam Or Girder	212.09	66.84
			For Hot Dip Galvanizing, Add	39.07	
			For High Strength Low Alloy A572-50 Steel, Add	19.09	
			For High Strength Low Alloy A588 Steel, Add	42.42	
			For Each Additional Top Copes >2, Add	1.41	
			For Structural Tees, WT, MT Or ST, Deduct	-63.54	
			For Skewed Or Sloped Connections, Add	25.45	
05 12 23 00-0284	LF		W21 x 68 A992/A36 Structural Beam Or Girder	203.78	66.46
			For Hot Dip Galvanizing, Add	36.87	
			For High Strength Low Alloy A572-50 Steel, Add	18.34	
			For High Strength Low Alloy A588 Steel, Add	40.76	
			For Each Additional Top Copes >2, Add	1.33	
			For Structural Tees, WT, MT Or ST, Deduct	-60.69	
			For Skewed Or Sloped Connections, Add	24.45	
05 12 23 00-0285	LF		W21 x 62 A992/A36 Structural Beam Or Girder	196.26	66.08
			For Hot Dip Galvanizing, Add	34.89	
			For High Strength Low Alloy A572-50 Steel, Add	17.66	
			For High Strength Low Alloy A588 Steel, Add	39.25	
			For Each Additional Top Copes >2, Add	1.26	
			For Structural Tees, WT, MT Or ST, Deduct	-58.11	
			For Skewed Or Sloped Connections, Add	23.55	
05 12 23 00-0286	LF		W21 x 57 A992/A36 Structural Beam Or Girder	189.46	65.95
			For Hot Dip Galvanizing, Add	33.08	
			For High Strength Low Alloy A572-50 Steel, Add	17.05	
			For High Strength Low Alloy A588 Steel, Add	37.89	
			For Each Additional Top Copes >2, Add	1.19	
			For Structural Tees, WT, MT Or ST, Deduct	-55.77	
			For Skewed Or Sloped Connections, Add	22.74	
05 12 23 00-0287	LF		W21 x 50 A992/A36 Structural Beam Or Girder	168.02	57.20
			For Hot Dip Galvanizing, Add	29.66	
			For High Strength Low Alloy A572-50 Steel, Add	15.12	
			For High Strength Low Alloy A588 Steel, Add	33.60	
			For Each Additional Top Copes >2, Add	1.07	
			For Structural Tees, WT, MT Or ST, Deduct	-49.64	
			For Skewed Or Sloped Connections, Add	20.16	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 12 23 00-0288	LF	W21 x 44 A992/A36 Structural Beam Or Girder	160.12	56.95
		For Hot Dip Galvanizing, Add	27.57	
		For High Strength Low Alloy A572-50 Steel, Add	14.41	
		For High Strength Low Alloy A588 Steel, Add	32.02	
		For Each Additional Top Copes >2, Add	0.99	
		For Structural Tees, WT, MT Or ST, Deduct	-46.93	
		For Skewed Or Sloped Connections, Add	19.21	
05 12 23 00-0289	LF	W18 x 119 A992/A36 Structural Beam Or Girder	282.36	63.76
		For Hot Dip Galvanizing, Add	59.48	
		For High Strength Low Alloy A572-50 Steel, Add	25.41	
		For High Strength Low Alloy A588 Steel, Add	56.47	
		For Each Additional Top Copes >2, Add	2.14	
		For Structural Tees, WT, MT Or ST, Deduct	-88.62	
		For Skewed Or Sloped Connections, Add	33.88	
05 12 23 00-0290	LF	W18 x 106 A992/A36 Structural Beam Or Girder	255.37	60.42
		For Hot Dip Galvanizing, Add	52.98	
		For High Strength Low Alloy A572-50 Steel, Add	22.98	
		For High Strength Low Alloy A588 Steel, Add	51.07	
		For Each Additional Top Copes >2, Add	1.91	
		For Structural Tees, WT, MT Or ST, Deduct	-79.71	
		For Skewed Or Sloped Connections, Add	30.64	
05 12 23 00-0291	LF	W18 x 97 A992/A36 Structural Beam Or Girder	247.52	68.11
		For Hot Dip Galvanizing, Add	48.48	
		For High Strength Low Alloy A572-50 Steel, Add	22.28	
		For High Strength Low Alloy A588 Steel, Add	49.50	
		For Each Additional Top Copes >2, Add	1.75	
		For Structural Tees, WT, MT Or ST, Deduct	-75.71	
		For Skewed Or Sloped Connections, Add	29.70	
05 12 23 00-0292	LF	W18 x 86 A992/A36 Structural Beam Or Girder	232.08	67.47
		For Hot Dip Galvanizing, Add	44.41	
		For High Strength Low Alloy A572-50 Steel, Add	20.89	
		For High Strength Low Alloy A588 Steel, Add	46.42	
		For Each Additional Top Copes >2, Add	1.60	
		For Structural Tees, WT, MT Or ST, Deduct	-70.42	
		For Skewed Or Sloped Connections, Add	27.85	
05 12 23 00-0293	LF	W18 x 76 A992/A36 Structural Beam Or Girder	218.16	66.84
		For Hot Dip Galvanizing, Add	40.73	
		For High Strength Low Alloy A572-50 Steel, Add	19.63	
		For High Strength Low Alloy A588 Steel, Add	43.63	
		For Each Additional Top Copes >2, Add	1.47	
		For Structural Tees, WT, MT Or ST, Deduct	-65.65	
		For Skewed Or Sloped Connections, Add	26.18	
05 12 23 00-0294	LF	W18 x 71 A992/A36 Structural Beam Or Girder	207.99	66.71
		For Hot Dip Galvanizing, Add	37.97	
		For High Strength Low Alloy A572-50 Steel, Add	18.72	
		For High Strength Low Alloy A588 Steel, Add	41.60	
		For Each Additional Top Copes >2, Add	1.37	
		For Structural Tees, WT, MT Or ST, Deduct	-62.12	
		For Skewed Or Sloped Connections, Add	24.96	
05 12 23 00-0295	LF	W18 x 65 A992/A36 Structural Beam Or Girder	198.09	66.46
		For Hot Dip Galvanizing, Add	35.33	
		For High Strength Low Alloy A572-50 Steel, Add	17.83	
		For High Strength Low Alloy A588 Steel, Add	39.62	
		For Each Additional Top Copes >2, Add	1.27	
		For Structural Tees, WT, MT Or ST, Deduct	-58.72	
		For Skewed Or Sloped Connections, Add	23.77	
05 12 23 00-0296	LF	W18 x 60 A992/A36 Structural Beam Or Girder	189.18	65.95
		For Hot Dip Galvanizing, Add	32.96	
		For High Strength Low Alloy A572-50 Steel, Add	17.03	
		For High Strength Low Alloy A588 Steel, Add	37.84	
		For Each Additional Top Copes >2, Add	1.19	
		For Structural Tees, WT, MT Or ST, Deduct	-55.65	
		For Skewed Or Sloped Connections, Add	22.70	
05 12 23 00-0297	LF	W18 x 55 A992/A36 Structural Beam Or Girder	180.21	65.83
		For Hot Dip Galvanizing, Add	30.54	
		For High Strength Low Alloy A572-50 Steel, Add	16.22	
		For High Strength Low Alloy A588 Steel, Add	36.04	
		For Each Additional Top Copes >2, Add	1.10	
		For Structural Tees, WT, MT Or ST, Deduct	-52.55	
		For Skewed Or Sloped Connections, Add	21.63	
05 12 23 00-0298	LF	W18 x 50 A992/A36 Structural Beam Or Girder	162.47	57.20
		For Hot Dip Galvanizing, Add	28.12	
		For High Strength Low Alloy A572-50 Steel, Add	14.62	
		For High Strength Low Alloy A588 Steel, Add	32.49	
		For Each Additional Top Copes >2, Add	1.01	
		For Structural Tees, WT, MT Or ST, Deduct	-47.70	
		For Skewed Or Sloped Connections, Add	19.50	
05 12 23 00-0299	LF	W18 x 46 A992/A36 Structural Beam Or Girder	155.48	57.07
		For Hot Dip Galvanizing, Add	26.25	
		For High Strength Low Alloy A572-50 Steel, Add	13.99	
		For High Strength Low Alloy A588 Steel, Add	31.10	
		For Each Additional Top Copes >2, Add	0.95	
		For Structural Tees, WT, MT Or ST, Deduct	-45.29	
		For Skewed Or Sloped Connections, Add	18.66	
05 12 23 00-0300	LF	W18 x 40 A992/A36 Structural Beam Or Girder	136.09	48.70
		For Hot Dip Galvanizing, Add	23.33	
		For High Strength Low Alloy A572-50 Steel, Add	12.25	
		For High Strength Low Alloy A588 Steel, Add	27.22	
		For Each Additional Top Copes >2, Add	0.84	
		For Structural Tees, WT, MT Or ST, Deduct	-39.83	
		For Skewed Or Sloped Connections, Add	16.33	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0301	LF		W18 x 35 A992/A36 Structural Beam Or Girder	127.31	48.57
			For Hot Dip Galvanizing, Add	20.97	
			For High Strength Low Alloy A572-50 Steel, Add	11.46	
			For High Strength Low Alloy A588 Steel, Add	25.46	
			For Each Additional Top Copes >2, Add	0.76	
			For Structural Tees, WT, MT Or ST, Deduct	-36.80	
			For Skewed Or Sloped Connections, Add	15.28	
05 12 23 00-0302	LF		W16 x 100 A992/A36 Structural Beam Or Girder	234.99	44.26
			For Hot Dip Galvanizing, Add	52.12	
			For High Strength Low Alloy A572-50 Steel, Add	21.15	
			For High Strength Low Alloy A588 Steel, Add	47.00	
			For Each Additional Top Copes >2, Add	1.88	
			For Structural Tees, WT, MT Or ST, Deduct	-75.17	
			For Skewed Or Sloped Connections, Add	28.20	
05 12 23 00-0303	LF		W16 x 89 A992/A36 Structural Beam Or Girder	215.19	43.50
			For Hot Dip Galvanizing, Add	46.83	
			For High Strength Low Alloy A572-50 Steel, Add	19.37	
			For High Strength Low Alloy A588 Steel, Add	43.04	
			For Each Additional Top Copes >2, Add	1.69	
			For Structural Tees, WT, MT Or ST, Deduct	-68.35	
			For Skewed Or Sloped Connections, Add	25.82	
05 12 23 00-0304	LF		W16 x 77 A992/A36 Structural Beam Or Girder	193.94	43.00
			For Hot Dip Galvanizing, Add	41.11	
			For High Strength Low Alloy A572-50 Steel, Add	17.45	
			For High Strength Low Alloy A588 Steel, Add	38.79	
			For Each Additional Top Copes >2, Add	1.48	
			For Structural Tees, WT, MT Or ST, Deduct	-61.01	
			For Skewed Or Sloped Connections, Add	23.27	
05 12 23 00-0305	LF		W16 x 67 A992/A36 Structural Beam Or Girder	175.85	42.36
			For Hot Dip Galvanizing, Add	36.27	
			For High Strength Low Alloy A572-50 Steel, Add	15.83	
			For High Strength Low Alloy A588 Steel, Add	35.17	
			For Each Additional Top Copes >2, Add	1.31	
			For Structural Tees, WT, MT Or ST, Deduct	-54.77	
			For Skewed Or Sloped Connections, Add	21.10	
05 12 23 00-0306	LF		W16 x 57 A992/A36 Structural Beam Or Girder	157.95	41.73
			For Hot Dip Galvanizing, Add	31.48	
			For High Strength Low Alloy A572-50 Steel, Add	14.22	
			For High Strength Low Alloy A588 Steel, Add	31.59	
			For Each Additional Top Copes >2, Add	1.13	
			For Structural Tees, WT, MT Or ST, Deduct	-48.61	
			For Skewed Or Sloped Connections, Add	18.95	
05 12 23 00-0307	LF		W16 x 50 A992/A36 Structural Beam Or Girder	145.47	41.35
			For Hot Dip Galvanizing, Add	28.12	
			For High Strength Low Alloy A572-50 Steel, Add	13.09	
			For High Strength Low Alloy A588 Steel, Add	29.09	
			For Each Additional Top Copes >2, Add	1.01	
			For Structural Tees, WT, MT Or ST, Deduct	-44.30	
			For Skewed Or Sloped Connections, Add	17.46	
05 12 23 00-0308	LF		W16 x 45 A992/A36 Structural Beam Or Girder	136.69	41.10
			For Hot Dip Galvanizing, Add	25.75	
			For High Strength Low Alloy A572-50 Steel, Add	12.30	
			For High Strength Low Alloy A588 Steel, Add	27.34	
			For Each Additional Top Copes >2, Add	0.93	
			For Structural Tees, WT, MT Or ST, Deduct	-41.26	
			For Skewed Or Sloped Connections, Add	16.40	
05 12 23 00-0309	LF		W16 x 40 A992/A36 Structural Beam Or Girder	127.59	40.72
			For Hot Dip Galvanizing, Add	23.33	
			For High Strength Low Alloy A572-50 Steel, Add	11.48	
			For High Strength Low Alloy A588 Steel, Add	25.52	
			For Each Additional Top Copes >2, Add	0.84	
			For Structural Tees, WT, MT Or ST, Deduct	-38.13	
			For Skewed Or Sloped Connections, Add	15.31	
05 12 23 00-0310	LF		W16 x 36 A992/A36 Structural Beam Or Girder	120.47	40.46
			For Hot Dip Galvanizing, Add	21.46	
			For High Strength Low Alloy A572-50 Steel, Add	10.84	
			For High Strength Low Alloy A588 Steel, Add	24.09	
			For Each Additional Top Copes >2, Add	0.77	
			For Structural Tees, WT, MT Or ST, Deduct	-35.70	
			For Skewed Or Sloped Connections, Add	14.46	
05 12 23 00-0311	LF		W16 x 31 A992/A36 Structural Beam Or Girder	102.99	32.22
			For Hot Dip Galvanizing, Add	19.04	
			For High Strength Low Alloy A572-50 Steel, Add	9.27	
			For High Strength Low Alloy A588 Steel, Add	20.60	
			For Each Additional Top Copes >2, Add	0.69	
			For Structural Tees, WT, MT Or ST, Deduct	-30.89	
			For Skewed Or Sloped Connections, Add	12.36	
05 12 23 00-0312	LF		W16 x 26 A992/A36 Structural Beam Or Girder	91.52	31.84
			For Hot Dip Galvanizing, Add	15.96	
			For High Strength Low Alloy A572-50 Steel, Add	8.24	
			For High Strength Low Alloy A588 Steel, Add	18.30	
			For Each Additional Top Copes >2, Add	0.58	
			For Structural Tees, WT, MT Or ST, Deduct	-26.93	
			For Skewed Or Sloped Connections, Add	10.98	
05 12 23 00-0313	LF		W14 x 99 A992/A36 Structural Beam Or Girder	224.70	36.28
			For Hot Dip Galvanizing, Add	51.62	
			For High Strength Low Alloy A572-50 Steel, Add	20.22	
			For High Strength Low Alloy A588 Steel, Add	44.94	
			For Each Additional Top Copes >2, Add	1.86	
			For Structural Tees, WT, MT Or ST, Deduct	-72.84	
			For Skewed Or Sloped Connections, Add	26.96	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 12 23 00-0314	LF	W14 x 90 A992/A36 Structural Beam Or Girder	208.61	35.64
		For Hot Dip Galvanizing, Add	47.33	
		For High Strength Low Alloy A572-50 Steel, Add	18.77	
		For High Strength Low Alloy A588 Steel, Add	41.72	
		For Each Additional Top Copes >2, Add	1.71	
		For Structural Tees, WT, MT Or ST, Deduct	-67.31	
		For Skewed Or Sloped Connections, Add	25.03	
05 12 23 00-0315	LF	W14 x 82 A992/A36 Structural Beam Or Girder	194.21	35.26
		For Hot Dip Galvanizing, Add	43.48	
		For High Strength Low Alloy A572-50 Steel, Add	17.48	
		For High Strength Low Alloy A588 Steel, Add	38.84	
		For Each Additional Top Copes >2, Add	1.57	
		For Structural Tees, WT, MT Or ST, Deduct	-62.34	
		For Skewed Or Sloped Connections, Add	23.31	
05 12 23 00-0316	LF	W14 x 74 A992/A36 Structural Beam Or Girder	179.84	34.75
		For Hot Dip Galvanizing, Add	39.62	
		For High Strength Low Alloy A572-50 Steel, Add	16.19	
		For High Strength Low Alloy A588 Steel, Add	35.97	
		For Each Additional Top Copes >2, Add	1.43	
		For Structural Tees, WT, MT Or ST, Deduct	-57.39	
		For Skewed Or Sloped Connections, Add	21.58	
05 12 23 00-0317	LF	W14 x 68 A992/A36 Structural Beam Or Girder	169.14	34.37
		For Hot Dip Galvanizing, Add	36.76	
		For High Strength Low Alloy A572-50 Steel, Add	15.22	
		For High Strength Low Alloy A588 Steel, Add	33.83	
		For Each Additional Top Copes >2, Add	1.32	
		For Structural Tees, WT, MT Or ST, Deduct	-53.70	
		For Skewed Or Sloped Connections, Add	20.30	
05 12 23 00-0318	LF	W14 x 61 A992/A36 Structural Beam Or Girder	156.66	33.99
		For Hot Dip Galvanizing, Add	33.41	
		For High Strength Low Alloy A572-50 Steel, Add	14.10	
		For High Strength Low Alloy A588 Steel, Add	31.33	
		For Each Additional Top Copes >2, Add	1.20	
		For Structural Tees, WT, MT Or ST, Deduct	-49.39	
		For Skewed Or Sloped Connections, Add	18.80	
05 12 23 00-0319	LF	W14 x 53 A992/A36 Structural Beam Or Girder	142.47	33.48
		For Hot Dip Galvanizing, Add	29.61	
		For High Strength Low Alloy A572-50 Steel, Add	12.82	
		For High Strength Low Alloy A588 Steel, Add	28.49	
		For Each Additional Top Copes >2, Add	1.07	
		For Structural Tees, WT, MT Or ST, Deduct	-44.50	
		For Skewed Or Sloped Connections, Add	17.10	
05 12 23 00-0320	LF	W14 x 48 A992/A36 Structural Beam Or Girder	133.35	33.10
		For Hot Dip Galvanizing, Add	27.19	
		For High Strength Low Alloy A572-50 Steel, Add	12.00	
		For High Strength Low Alloy A588 Steel, Add	26.67	
		For Each Additional Top Copes >2, Add	0.98	
		For Structural Tees, WT, MT Or ST, Deduct	-41.37	
		For Skewed Or Sloped Connections, Add	16.00	
05 12 23 00-0321	LF	W14 x 43 A992/A36 Structural Beam Or Girder	124.37	32.98
		For Hot Dip Galvanizing, Add	24.76	
		For High Strength Low Alloy A572-50 Steel, Add	11.19	
		For High Strength Low Alloy A588 Steel, Add	24.87	
		For Each Additional Top Copes >2, Add	0.89	
		For Structural Tees, WT, MT Or ST, Deduct	-38.26	
		For Skewed Or Sloped Connections, Add	14.92	
05 12 23 00-0322	LF	W14 x 38 A992/A36 Structural Beam Or Girder	115.47	32.72
		For Hot Dip Galvanizing, Add	22.40	
		For High Strength Low Alloy A572-50 Steel, Add	10.39	
		For High Strength Low Alloy A588 Steel, Add	23.09	
		For Each Additional Top Copes >2, Add	0.81	
		For Structural Tees, WT, MT Or ST, Deduct	-35.20	
		For Skewed Or Sloped Connections, Add	13.86	
05 12 23 00-0323	LF	W14 x 34 A992/A36 Structural Beam Or Girder	108.28	32.34
		For Hot Dip Galvanizing, Add	20.47	
		For High Strength Low Alloy A572-50 Steel, Add	9.75	
		For High Strength Low Alloy A588 Steel, Add	21.66	
		For Each Additional Top Copes >2, Add	0.74	
		For Structural Tees, WT, MT Or ST, Deduct	-32.72	
		For Skewed Or Sloped Connections, Add	12.99	
05 12 23 00-0324	LF	W14 x 30 A992/A36 Structural Beam Or Girder	101.07	32.22
		For Hot Dip Galvanizing, Add	18.55	
		For High Strength Low Alloy A572-50 Steel, Add	9.10	
		For High Strength Low Alloy A588 Steel, Add	20.21	
		For Each Additional Top Copes >2, Add	0.67	
		For Structural Tees, WT, MT Or ST, Deduct	-30.24	
		For Skewed Or Sloped Connections, Add	12.13	
05 12 23 00-0325	LF	W14 x 26 A992/A36 Structural Beam Or Girder	93.88	31.84
		For Hot Dip Galvanizing, Add	16.62	
		For High Strength Low Alloy A572-50 Steel, Add	8.45	
		For High Strength Low Alloy A588 Steel, Add	18.78	
		For Each Additional Top Copes >2, Add	0.60	
		For Structural Tees, WT, MT Or ST, Deduct	-27.76	
		For Skewed Or Sloped Connections, Add	11.27	
05 12 23 00-0326	LF	W14 x 22 A992/A36 Structural Beam Or Girder	86.89	31.71
		For Hot Dip Galvanizing, Add	14.75	
		For High Strength Low Alloy A572-50 Steel, Add	7.82	
		For High Strength Low Alloy A588 Steel, Add	17.38	
		For Each Additional Top Copes >2, Add	0.53	
		For Structural Tees, WT, MT Or ST, Deduct	-25.35	
		For Skewed Or Sloped Connections, Add	10.43	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0327	LF		W12 x 87 A992/A36 Structural Beam Or Girder	203.32	35.52
			For Hot Dip Galvanizing, Add	45.90	
			For High Strength Low Alloy A572-50 Steel, Add	18.30	
			For High Strength Low Alloy A588 Steel, Add	40.66	
			For Each Additional Top Copes >2, Add	1.65	
			For Structural Tees, WT, MT Or ST, Deduct	-65.47	
			For Skewed Or Sloped Connections, Add	24.40	
05 12 23 00-0328	LF		W12 x 79 A992/A36 Structural Beam Or Girder	188.94	35.00
			For Hot Dip Galvanizing, Add	42.05	
			For High Strength Low Alloy A572-50 Steel, Add	17.00	
			For High Strength Low Alloy A588 Steel, Add	37.79	
			For Each Additional Top Copes >2, Add	1.52	
			For Structural Tees, WT, MT Or ST, Deduct	-60.52	
			For Skewed Or Sloped Connections, Add	22.67	
05 12 23 00-0329	LF		W12 x 72 A992/A36 Structural Beam Or Girder	176.33	34.62
			For Hot Dip Galvanizing, Add	38.69	
			For High Strength Low Alloy A572-50 Steel, Add	15.87	
			For High Strength Low Alloy A588 Steel, Add	35.27	
			For Each Additional Top Copes >2, Add	1.39	
			For Structural Tees, WT, MT Or ST, Deduct	-56.18	
			For Skewed Or Sloped Connections, Add	21.16	
05 12 23 00-0330	LF		W12 x 65 A992/A36 Structural Beam Or Girder	163.85	34.24
			For Hot Dip Galvanizing, Add	35.33	
			For High Strength Low Alloy A572-50 Steel, Add	14.75	
			For High Strength Low Alloy A588 Steel, Add	32.77	
			For Each Additional Top Copes >2, Add	1.27	
			For Structural Tees, WT, MT Or ST, Deduct	-51.87	
			For Skewed Or Sloped Connections, Add	19.66	
05 12 23 00-0331	LF		W12 x 58 A992/A36 Structural Beam Or Girder	151.24	33.74
			For Hot Dip Galvanizing, Add	31.97	
			For High Strength Low Alloy A572-50 Steel, Add	13.61	
			For High Strength Low Alloy A588 Steel, Add	30.25	
			For Each Additional Top Copes >2, Add	1.15	
			For Structural Tees, WT, MT Or ST, Deduct	-47.53	
			For Skewed Or Sloped Connections, Add	18.15	
05 12 23 00-0332	LF		W12 x 53 A992/A36 Structural Beam Or Girder	142.47	33.48
			For Hot Dip Galvanizing, Add	29.61	
			For High Strength Low Alloy A572-50 Steel, Add	12.82	
			For High Strength Low Alloy A588 Steel, Add	28.49	
			For Each Additional Top Copes >2, Add	1.07	
			For Structural Tees, WT, MT Or ST, Deduct	-44.50	
			For Skewed Or Sloped Connections, Add	17.10	
05 12 23 00-0333	LF		W12 x 50 A992/A36 Structural Beam Or Girder	136.85	33.36
			For Hot Dip Galvanizing, Add	28.12	
			For High Strength Low Alloy A572-50 Steel, Add	12.32	
			For High Strength Low Alloy A588 Steel, Add	27.37	
			For Each Additional Top Copes >2, Add	1.01	
			For Structural Tees, WT, MT Or ST, Deduct	-42.57	
			For Skewed Or Sloped Connections, Add	16.42	
05 12 23 00-0334	LF		W12 x 45 A992/A36 Structural Beam Or Girder	128.07	33.10
			For Hot Dip Galvanizing, Add	25.75	
			For High Strength Low Alloy A572-50 Steel, Add	11.53	
			For High Strength Low Alloy A588 Steel, Add	25.61	
			For Each Additional Top Copes >2, Add	0.93	
			For Structural Tees, WT, MT Or ST, Deduct	-39.54	
			For Skewed Or Sloped Connections, Add	15.37	
05 12 23 00-0335	LF		W12 x 40 A992/A36 Structural Beam Or Girder	110.35	24.60
			For Hot Dip Galvanizing, Add	23.33	
			For High Strength Low Alloy A572-50 Steel, Add	9.93	
			For High Strength Low Alloy A588 Steel, Add	22.07	
			For Each Additional Top Copes >2, Add	0.84	
			For Structural Tees, WT, MT Or ST, Deduct	-34.68	
			For Skewed Or Sloped Connections, Add	13.24	
05 12 23 00-0336	LF		W12 x 35 A992/A36 Structural Beam Or Girder	101.56	24.48
			For Hot Dip Galvanizing, Add	20.97	
			For High Strength Low Alloy A572-50 Steel, Add	9.14	
			For High Strength Low Alloy A588 Steel, Add	20.31	
			For Each Additional Top Copes >2, Add	0.76	
			For Structural Tees, WT, MT Or ST, Deduct	-31.65	
			For Skewed Or Sloped Connections, Add	12.19	
05 12 23 00-0337	LF		W12 x 30 A992/A36 Structural Beam Or Girder	92.45	24.10
			For Hot Dip Galvanizing, Add	18.55	
			For High Strength Low Alloy A572-50 Steel, Add	8.32	
			For High Strength Low Alloy A588 Steel, Add	18.49	
			For Each Additional Top Copes >2, Add	0.67	
			For Structural Tees, WT, MT Or ST, Deduct	-28.51	
			For Skewed Or Sloped Connections, Add	11.09	
05 12 23 00-0338	LF		W12 x 26 A992/A36 Structural Beam Or Girder	85.25	23.84
			For Hot Dip Galvanizing, Add	16.62	
			For High Strength Low Alloy A572-50 Steel, Add	7.67	
			For High Strength Low Alloy A588 Steel, Add	17.05	
			For Each Additional Top Copes >2, Add	0.60	
			For Structural Tees, WT, MT Or ST, Deduct	-26.03	
			For Skewed Or Sloped Connections, Add	10.23	
05 12 23 00-0339	LF		W12 x 22 A992/A36 Structural Beam Or Girder	78.26	23.59
			For Hot Dip Galvanizing, Add	14.75	
			For High Strength Low Alloy A572-50 Steel, Add	7.04	
			For High Strength Low Alloy A588 Steel, Add	15.65	
			For Each Additional Top Copes >2, Add	0.53	
			For Structural Tees, WT, MT Or ST, Deduct	-23.62	
			For Skewed Or Sloped Connections, Add	9.39	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 12 23 00-0340	LF	W12 x 19 A992/A36 Structural Beam Or Girder	72.78	23.46
		For Hot Dip Galvanizing, Add	13.26	
		For High Strength Low Alloy A572-50 Steel, Add	6.55	
		For High Strength Low Alloy A588 Steel, Add	14.56	
		For Each Additional Top Copes >2, Add	0.48	
		For Structural Tees, WT, MT Or ST, Deduct	-21.73	
		For Skewed Or Sloped Connections, Add	8.73	
05 12 23 00-0341	LF	W12 x 16 A992/A36 Structural Beam Or Girder	67.37	23.08
		For Hot Dip Galvanizing, Add	11.83	
		For High Strength Low Alloy A572-50 Steel, Add	6.06	
		For High Strength Low Alloy A588 Steel, Add	13.47	
		For Each Additional Top Copes >2, Add	0.43	
		For Structural Tees, WT, MT Or ST, Deduct	-19.87	
		For Skewed Or Sloped Connections, Add	8.08	
05 12 23 00-0342	LF	W12 x 14 A992/A36 Structural Beam Or Girder	63.87	23.08
		For Hot Dip Galvanizing, Add	10.90	
		For High Strength Low Alloy A572-50 Steel, Add	5.75	
		For High Strength Low Alloy A588 Steel, Add	12.77	
		For Each Additional Top Copes >2, Add	0.39	
		For Structural Tees, WT, MT Or ST, Deduct	-18.66	
		For Skewed Or Sloped Connections, Add	7.66	
05 12 23 00-0343	LF	W10 x 68 A992/A36 Structural Beam Or Girder	161.04	26.51
		For Hot Dip Galvanizing, Add	36.87	
		For High Strength Low Alloy A572-50 Steel, Add	14.49	
		For High Strength Low Alloy A588 Steel, Add	32.21	
		For Each Additional Top Copes >2, Add	1.33	
		For Structural Tees, WT, MT Or ST, Deduct	-52.14	
		For Skewed Or Sloped Connections, Add	19.32	
05 12 23 00-0344	LF	W10 x 60 A992/A36 Structural Beam Or Girder	146.84	26.00
		For Hot Dip Galvanizing, Add	33.08	
		For High Strength Low Alloy A572-50 Steel, Add	13.22	
		For High Strength Low Alloy A588 Steel, Add	29.37	
		For Each Additional Top Copes >2, Add	1.19	
		For Structural Tees, WT, MT Or ST, Deduct	-47.25	
		For Skewed Or Sloped Connections, Add	17.62	
05 12 23 00-0345	LF	W10 x 54 A992/A36 Structural Beam Or Girder	135.95	25.49
		For Hot Dip Galvanizing, Add	30.16	
		For High Strength Low Alloy A572-50 Steel, Add	12.24	
		For High Strength Low Alloy A588 Steel, Add	27.19	
		For Each Additional Top Copes >2, Add	1.09	
		For Structural Tees, WT, MT Or ST, Deduct	-43.49	
		For Skewed Or Sloped Connections, Add	16.31	
05 12 23 00-0346	LF	W10 x 49 A992/A36 Structural Beam Or Girder	127.04	25.24
		For Hot Dip Galvanizing, Add	27.79	
		For High Strength Low Alloy A572-50 Steel, Add	11.43	
		For High Strength Low Alloy A588 Steel, Add	25.41	
		For Each Additional Top Copes >2, Add	1.00	
		For Structural Tees, WT, MT Or ST, Deduct	-40.43	
		For Skewed Or Sloped Connections, Add	15.24	
05 12 23 00-0347	LF	W10 x 45 A992/A36 Structural Beam Or Girder	119.85	25.11
		For Hot Dip Galvanizing, Add	25.87	
		For High Strength Low Alloy A572-50 Steel, Add	10.79	
		For High Strength Low Alloy A588 Steel, Add	23.97	
		For Each Additional Top Copes >2, Add	0.93	
		For Structural Tees, WT, MT Or ST, Deduct	-37.95	
		For Skewed Or Sloped Connections, Add	14.38	
05 12 23 00-0348	LF	W10 x 39 A992/A36 Structural Beam Or Girder	109.16	24.60
		For Hot Dip Galvanizing, Add	23.00	
		For High Strength Low Alloy A572-50 Steel, Add	9.82	
		For High Strength Low Alloy A588 Steel, Add	21.83	
		For Each Additional Top Copes >2, Add	0.83	
		For Structural Tees, WT, MT Or ST, Deduct	-34.27	
		For Skewed Or Sloped Connections, Add	13.10	
05 12 23 00-0349	LF	W10 x 33 A992/A36 Structural Beam Or Girder	98.46	24.22
		For Hot Dip Galvanizing, Add	20.14	
		For High Strength Low Alloy A572-50 Steel, Add	8.86	
		For High Strength Low Alloy A588 Steel, Add	19.69	
		For Each Additional Top Copes >2, Add	0.73	
		For Structural Tees, WT, MT Or ST, Deduct	-30.58	
		For Skewed Or Sloped Connections, Add	11.82	
05 12 23 00-0350	LF	W10 x 30 A992/A36 Structural Beam Or Girder	92.97	24.10
		For Hot Dip Galvanizing, Add	18.66	
		For High Strength Low Alloy A572-50 Steel, Add	8.37	
		For High Strength Low Alloy A588 Steel, Add	18.59	
		For Each Additional Top Copes >2, Add	0.67	
		For Structural Tees, WT, MT Or ST, Deduct	-28.68	
		For Skewed Or Sloped Connections, Add	11.16	
05 12 23 00-0351	LF	W10 x 26 A992/A36 Structural Beam Or Girder	85.98	23.97
		For Hot Dip Galvanizing, Add	16.79	
		For High Strength Low Alloy A572-50 Steel, Add	7.74	
		For High Strength Low Alloy A588 Steel, Add	17.20	
		For Each Additional Top Copes >2, Add	0.60	
		For Structural Tees, WT, MT Or ST, Deduct	-26.27	
		For Skewed Or Sloped Connections, Add	10.32	
05 12 23 00-0352	LF	W10 x 22 A992/A36 Structural Beam Or Girder	78.66	23.59
		For Hot Dip Galvanizing, Add	14.86	
		For High Strength Low Alloy A572-50 Steel, Add	7.08	
		For High Strength Low Alloy A588 Steel, Add	15.73	
		For Each Additional Top Copes >2, Add	0.54	
		For Structural Tees, WT, MT Or ST, Deduct	-23.76	
		For Skewed Or Sloped Connections, Add	9.44	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0353	LF		W10 x 19 A992/A36 Structural Beam Or Girder	73.37	23.46
			For Hot Dip Galvanizing, Add	13.43	
			For High Strength Low Alloy A572-50 Steel, Add	6.60	
			For High Strength Low Alloy A588 Steel, Add	14.67	
			For Each Additional Top Copes >2, Add	0.48	
			For Structural Tees, WT, MT Or ST, Deduct	-21.93	
			For Skewed Or Sloped Connections, Add	8.80	
05 12 23 00-0354	LF		W10 x 17 A992/A36 Structural Beam Or Girder	69.68	23.34
			For Hot Dip Galvanizing, Add	12.44	
			For High Strength Low Alloy A572-50 Steel, Add	6.27	
			For High Strength Low Alloy A588 Steel, Add	13.94	
			For Each Additional Top Copes >2, Add	0.45	
			For Structural Tees, WT, MT Or ST, Deduct	-20.66	
			For Skewed Or Sloped Connections, Add	8.36	
05 12 23 00-0355	LF		W10 x 15 A992/A36 Structural Beam Or Girder	66.18	23.08
			For Hot Dip Galvanizing, Add	11.50	
			For High Strength Low Alloy A572-50 Steel, Add	5.96	
			For High Strength Low Alloy A588 Steel, Add	13.24	
			For Each Additional Top Copes >2, Add	0.41	
			For Structural Tees, WT, MT Or ST, Deduct	-19.45	
			For Skewed Or Sloped Connections, Add	7.94	
05 12 23 00-0356	LF		W10 x 12 A992/A36 Structural Beam Or Girder	60.89	23.08
			For Hot Dip Galvanizing, Add	10.07	
			For High Strength Low Alloy A572-50 Steel, Add	5.48	
			For High Strength Low Alloy A588 Steel, Add	12.18	
			For Each Additional Top Copes >2, Add	0.36	
			For Structural Tees, WT, MT Or ST, Deduct	-17.62	
			For Skewed Or Sloped Connections, Add	7.31	
05 12 23 00-0357	LF		W8 x 35 A992/A36 Structural Beam Or Girder	101.96	24.48
			For Hot Dip Galvanizing, Add	21.08	
			For High Strength Low Alloy A572-50 Steel, Add	9.18	
			For High Strength Low Alloy A588 Steel, Add	20.39	
			For Each Additional Top Copes >2, Add	0.76	
			For Structural Tees, WT, MT Or ST, Deduct	-31.79	
			For Skewed Or Sloped Connections, Add	12.24	
05 12 23 00-0358	LF		W8 x 31 A992/A36 Structural Beam Or Girder	94.76	24.10
			For Hot Dip Galvanizing, Add	19.15	
			For High Strength Low Alloy A572-50 Steel, Add	8.53	
			For High Strength Low Alloy A588 Steel, Add	18.95	
			For Each Additional Top Copes >2, Add	0.69	
			For Structural Tees, WT, MT Or ST, Deduct	-29.31	
			For Skewed Or Sloped Connections, Add	11.37	
05 12 23 00-0359	LF		W8 x 28 A992/A36 Structural Beam Or Girder	88.08	22.71
			For Hot Dip Galvanizing, Add	17.72	
			For High Strength Low Alloy A572-50 Steel, Add	7.93	
			For High Strength Low Alloy A588 Steel, Add	17.62	
			For Each Additional Top Copes >2, Add	0.64	
			For Structural Tees, WT, MT Or ST, Deduct	-27.20	
			For Skewed Or Sloped Connections, Add	10.57	
05 12 23 00-0360	LF		W8 x 24 A992/A36 Structural Beam Or Girder	80.24	21.30
			For Hot Dip Galvanizing, Add	15.96	
			For High Strength Low Alloy A572-50 Steel, Add	7.22	
			For High Strength Low Alloy A588 Steel, Add	16.05	
			For Each Additional Top Copes >2, Add	0.58	
			For Structural Tees, WT, MT Or ST, Deduct	-24.68	
			For Skewed Or Sloped Connections, Add	9.63	
05 12 23 00-0361	LF		W8 x 21 A992/A36 Structural Beam Or Girder	74.66	19.78
			For Hot Dip Galvanizing, Add	14.84	
			For High Strength Low Alloy A572-50 Steel, Add	6.72	
			For High Strength Low Alloy A588 Steel, Add	14.93	
			For Each Additional Top Copes >2, Add	0.53	
			For Structural Tees, WT, MT Or ST, Deduct	-22.95	
			For Skewed Or Sloped Connections, Add	8.96	
05 12 23 00-0362	LF		W8 x 18 A992/A36 Structural Beam Or Girder	65.19	18.39
			For Hot Dip Galvanizing, Add	12.63	
			For High Strength Low Alloy A572-50 Steel, Add	5.87	
			For High Strength Low Alloy A588 Steel, Add	13.04	
			For Each Additional Top Copes >2, Add	0.46	
			For Structural Tees, WT, MT Or ST, Deduct	-19.87	
			For Skewed Or Sloped Connections, Add	7.82	
05 12 23 00-0363	LF		W8 x 10 A992/A36 Structural Beam Or Girder	38.26	13.19
			For Hot Dip Galvanizing, Add	6.75	
			For High Strength Low Alloy A572-50 Steel, Add	3.44	
			For High Strength Low Alloy A588 Steel, Add	7.65	
			For Each Additional Top Copes >2, Add	0.24	
			For Structural Tees, WT, MT Or ST, Deduct	-11.30	
			For Skewed Or Sloped Connections, Add	4.59	
05 12 23 00-0364	LF		W6 x 9 A992/A36 Structural Beam Or Girder	35.41	10.78
			For Hot Dip Galvanizing, Add	6.66	
			For High Strength Low Alloy A572-50 Steel, Add	3.19	
			For High Strength Low Alloy A588 Steel, Add	7.08	
			For Each Additional Top Copes >2, Add	0.24	
			For Structural Tees, WT, MT Or ST, Deduct	-10.68	
			For Skewed Or Sloped Connections, Add	4.25	

05 12 23 00-0365 A992/A36 Structural Steel, M Shapes (05 12 23 00-0147)
Note: Includes material delivery and erection.

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
05 12 23 00-0366	LF M14 x 18 A992/A36 Structural Steel.....	67.84		16.80
	For Hot Dip Galvanizing, Add	13.86		
	For High Strength Low Alloy A572-50 Steel, Add	6.11		
	For High Strength Low Alloy A588 Grade B Steel, Add	13.57		
05 12 23 00-0367	LF M12 x 11.8 A992/A36 Structural Steel.....	48.58		14.86
	For Hot Dip Galvanizing, Add	9.09		
	For High Strength Low Alloy A572-50 Steel, Add	4.37		
	For High Strength Low Alloy A588 Grade B Steel, Add	9.72		
05 12 23 00-0368	LF M10 x 9 A992/A36 Structural Steel.....	37.68		11.93
	For Hot Dip Galvanizing, Add	6.93		
	For High Strength Low Alloy A572-50 Steel, Add	3.39		
	For High Strength Low Alloy A588 Grade B Steel, Add	7.54		
05 12 23 00-0369	LF M8 x 6.5 A992/A36 Structural Steel.....	27.22		8.61
	For Hot Dip Galvanizing, Add	5.01		
	For High Strength Low Alloy A572-50 Steel, Add	2.45		
	For High Strength Low Alloy A588 Grade B Steel, Add	5.44		
05 12 23 00-0370	LF M6 x 20 A992/A36 Structural Steel.....	77.05		20.42
	For Hot Dip Galvanizing, Add	15.40		
	For High Strength Low Alloy A572-50 Steel, Add	6.93		
	For High Strength Low Alloy A588 Grade B Steel, Add	15.41		
05 12 23 00-0371	LF M6 x 4.4 A992/A36 Structural Steel.....	18.41		5.82
	For Hot Dip Galvanizing, Add	3.38		
	For High Strength Low Alloy A572-50 Steel, Add	1.66		
	For High Strength Low Alloy A588 Grade B Steel, Add	3.68		
05 12 23 00-0372	LF M5 x 18.9 A992/A36 Structural Steel.....	74.17		20.42
	For Hot Dip Galvanizing, Add	14.53		
	For High Strength Low Alloy A572-50 Steel, Add	6.68		
	For High Strength Low Alloy A588 Grade B Steel, Add	14.83		
05 12 23 00-0373	LF M4 x 13 A992/A36 Structural Steel.....	60.78		20.04
	For Hot Dip Galvanizing, Add	10.95		
	For High Strength Low Alloy A572-50 Steel, Add	5.47		
	For High Strength Low Alloy A588 Grade B Steel, Add	12.16		
05 12 23 00-0374	A992/A36 Structural Steel, S Shapes (05 12 23 00-0147)			
	Note: Includes material delivery and erection.			
05 12 23 00-0375	LF S24 x 121 A992/A36 Structural Steel.....	408.73		85.09
	For Hot Dip Galvanizing, Add	88.25		
	For High Strength Low Alloy A572-50 Steel, Add	36.79		
	For High Strength Low Alloy A588 Grade B Steel, Add	81.75		
05 12 23 00-0376	LF S24 x 106 A992/A36 Structural Steel.....	362.25		78.46
	For Hot Dip Galvanizing, Add	77.31		
	For High Strength Low Alloy A572-50 Steel, Add	32.60		
	For High Strength Low Alloy A588 Grade B Steel, Add	72.45		
05 12 23 00-0377	LF S24 x 100 A992/A36 Structural Steel.....	345.89		77.91
	For Hot Dip Galvanizing, Add	72.93		
	For High Strength Low Alloy A572-50 Steel, Add	31.13		
	For High Strength Low Alloy A588 Grade B Steel, Add	69.18		
05 12 23 00-0378	LF S24 x 90 A992/A36 Structural Steel.....	315.24		73.81
	For Hot Dip Galvanizing, Add	65.64		
	For High Strength Low Alloy A572-50 Steel, Add	28.37		
	For High Strength Low Alloy A588 Grade B Steel, Add	63.05		
05 12 23 00-0379	LF S24 x 80 A992/A36 Structural Steel.....	283.89		69.07
	For Hot Dip Galvanizing, Add	58.35		
	For High Strength Low Alloy A572-50 Steel, Add	25.55		
	For High Strength Low Alloy A588 Grade B Steel, Add	56.78		
05 12 23 00-0380	LF S20 x 96 A992/A36 Structural Steel.....	332.06		74.80
	For Hot Dip Galvanizing, Add	70.02		
	For High Strength Low Alloy A572-50 Steel, Add	29.89		
	For High Strength Low Alloy A588 Grade B Steel, Add	66.41		
05 12 23 00-0381	LF S20 x 86 A992/A36 Structural Steel.....	301.22		70.54
	For Hot Dip Galvanizing, Add	62.72		
	For High Strength Low Alloy A572-50 Steel, Add	27.11		
	For High Strength Low Alloy A588 Grade B Steel, Add	60.24		
05 12 23 00-0382	LF S20 x 75 A992/A36 Structural Steel.....	266.14		64.76
	For Hot Dip Galvanizing, Add	54.70		
	For High Strength Low Alloy A572-50 Steel, Add	23.95		
	For High Strength Low Alloy A588 Grade B Steel, Add	53.23		
05 12 23 00-0383	LF S20 x 66 A992/A36 Structural Steel.....	237.40		59.98
	For Hot Dip Galvanizing, Add	48.14		
	For High Strength Low Alloy A572-50 Steel, Add	21.37		
	For High Strength Low Alloy A588 Grade B Steel, Add	47.48		
05 12 23 00-0384	LF S18 x 70 A992/A36 Structural Steel.....	251.80		63.62
	For Hot Dip Galvanizing, Add	51.05		
	For High Strength Low Alloy A572-50 Steel, Add	22.66		
	For High Strength Low Alloy A588 Grade B Steel, Add	50.36		
05 12 23 00-0385	LF S18 x 54.7 A992/A36 Structural Steel.....	199.55		52.32
	For Hot Dip Galvanizing, Add	39.89		
	For High Strength Low Alloy A572-50 Steel, Add	17.96		
	For High Strength Low Alloy A588 Grade B Steel, Add	39.91		
05 12 23 00-0386	LF S15 x 50 A992/A36 Structural Steel.....	185.09		50.35
	For Hot Dip Galvanizing, Add	36.47		
	For High Strength Low Alloy A572-50 Steel, Add	16.66		
	For High Strength Low Alloy A588 Grade B Steel, Add	37.02		
05 12 23 00-0387	LF S15 x 42.9 A992/A36 Structural Steel.....	161.23		45.47
	For Hot Dip Galvanizing, Add	31.29		
	For High Strength Low Alloy A572-50 Steel, Add	14.51		
	For High Strength Low Alloy A588 Grade B Steel, Add	32.25		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0388	LF	S12 x 50 A992/A36 Structural Steel	182.41	47.83
		For Hot Dip Galvanizing, Add	36.47	
		For High Strength Low Alloy A572-50 Steel, Add	16.42	
		For High Strength Low Alloy A588 Grade B Steel, Add	36.48	
05 12 23 00-0389	LF	S12 x 40.8 A992/A36 Structural Steel	151.03	41.09
		For Hot Dip Galvanizing, Add	29.76	
		For High Strength Low Alloy A572-50 Steel, Add	13.59	
		For High Strength Low Alloy A588 Grade B Steel, Add	30.21	
05 12 23 00-0390	LF	S12 x 35 A992/A36 Structural Steel	131.54	37.10
		For Hot Dip Galvanizing, Add	25.53	
		For High Strength Low Alloy A572-50 Steel, Add	11.84	
		For High Strength Low Alloy A588 Grade B Steel, Add	26.31	
05 12 23 00-0391	LF	S12 x 31.8 A992/A36 Structural Steel	121.41	35.48
		For Hot Dip Galvanizing, Add	23.19	
		For High Strength Low Alloy A572-50 Steel, Add	10.93	
		For High Strength Low Alloy A588 Grade B Steel, Add	24.28	
05 12 23 00-0392	LF	S10 x 35 A992/A36 Structural Steel	133.63	39.06
		For Hot Dip Galvanizing, Add	25.53	
		For High Strength Low Alloy A572-50 Steel, Add	12.03	
		For High Strength Low Alloy A588 Grade B Steel, Add	26.73	
05 12 23 00-0393	LF	S10 x 25.4 A992/A36 Structural Steel	98.56	29.83
		For Hot Dip Galvanizing, Add	18.53	
		For High Strength Low Alloy A572-50 Steel, Add	8.87	
		For High Strength Low Alloy A588 Grade B Steel, Add	19.71	
05 12 23 00-0394	LF	S8 x 23 A992/A36 Structural Steel	89.25	27.01
		For Hot Dip Galvanizing, Add	16.77	
		For High Strength Low Alloy A572-50 Steel, Add	8.03	
		For High Strength Low Alloy A588 Grade B Steel, Add	17.85	
05 12 23 00-0395	LF	S8 x 18.4 A992/A36 Structural Steel	72.62	22.75
		For Hot Dip Galvanizing, Add	13.42	
		For High Strength Low Alloy A572-50 Steel, Add	6.54	
		For High Strength Low Alloy A588 Grade B Steel, Add	14.52	
05 12 23 00-0396	LF	S7 x 20 A992/A36 Structural Steel	78.92	24.72
		For Hot Dip Galvanizing, Add	14.59	
		For High Strength Low Alloy A572-50 Steel, Add	7.10	
		For High Strength Low Alloy A588 Grade B Steel, Add	15.78	
05 12 23 00-0397	LF	S7 x 15.3 A992/A36 Structural Steel	61.44	19.92
		For Hot Dip Galvanizing, Add	11.16	
		For High Strength Low Alloy A572-50 Steel, Add	5.53	
		For High Strength Low Alloy A588 Grade B Steel, Add	12.29	
05 12 23 00-0398	LF	S6 x 17.25 A992/A36 Structural Steel	68.18	21.41
		For Hot Dip Galvanizing, Add	12.58	
		For High Strength Low Alloy A572-50 Steel, Add	6.14	
		For High Strength Low Alloy A588 Grade B Steel, Add	13.64	
05 12 23 00-0399	LF	S6 x 12.5 A992/A36 Structural Steel	58.36	19.78
		For Hot Dip Galvanizing, Add	10.32	
		For High Strength Low Alloy A572-50 Steel, Add	5.25	
		For High Strength Low Alloy A588 Grade B Steel, Add	11.67	
05 12 23 00-0400	LF	S5 x 14.75 A992/A36 Structural Steel	62.21	20.16
		For Hot Dip Galvanizing, Add	11.31	
		For High Strength Low Alloy A572-50 Steel, Add	5.60	
		For High Strength Low Alloy A588 Grade B Steel, Add	12.44	
05 12 23 00-0401	LF	S5 x 10 A992/A36 Structural Steel	52.69	19.66
		For Hot Dip Galvanizing, Add	8.78	
		For High Strength Low Alloy A572-50 Steel, Add	4.74	
		For High Strength Low Alloy A588 Grade B Steel, Add	10.54	
05 12 23 00-0402	LF	S4 x 9.5 A992/A36 Structural Steel	51.22	19.66
		For Hot Dip Galvanizing, Add	8.37	
		For High Strength Low Alloy A572-50 Steel, Add	4.61	
		For High Strength Low Alloy A588 Grade B Steel, Add	10.24	
05 12 23 00-0403	LF	S4 x 7.7 A992/A36 Structural Steel	47.83	19.66
		For Hot Dip Galvanizing, Add	7.47	
		For High Strength Low Alloy A572-50 Steel, Add	4.30	
		For High Strength Low Alloy A588 Grade B Steel, Add	9.57	
05 12 23 00-0404	LF	S3 x 7.5 A992/A36 Structural Steel	47.50	19.66
		For Hot Dip Galvanizing, Add	7.38	
		For High Strength Low Alloy A572-50 Steel, Add	4.28	
		For High Strength Low Alloy A588 Grade B Steel, Add	9.50	
05 12 23 00-0405	LF	S3 x 5.7 A992/A36 Structural Steel	43.47	19.53
		For Hot Dip Galvanizing, Add	6.29	
		For High Strength Low Alloy A572-50 Steel, Add	3.91	
		For High Strength Low Alloy A588 Grade B Steel, Add	8.69	
05 12 23 00-0406		A992/A36 Structural Steel, HP Shapes (05 12 23 00-0147)		
		Note: Includes material delivery and erection.		
05 12 23 00-0407	LF	HP14 x 117 A992/A36 Structural Steel	252.74	25.21
		For Hot Dip Galvanizing, Add	62.68	
		For High Strength Low Alloy A572-50 Steel, Add	22.75	
		For High Strength Low Alloy A588 Grade B Steel, Add	50.55	
05 12 23 00-0408	LF	HP14 x 102 A992/A36 Structural Steel	221.09	23.45
		For Hot Dip Galvanizing, Add	54.42	
		For High Strength Low Alloy A572-50 Steel, Add	19.90	
		For High Strength Low Alloy A588 Grade B Steel, Add	44.22	
05 12 23 00-0409	LF	HP14 x 89 A992/A36 Structural Steel	196.94	22.00
		For Hot Dip Galvanizing, Add	48.14	
		For High Strength Low Alloy A572-50 Steel, Add	17.72	
		For High Strength Low Alloy A588 Grade B Steel, Add	39.39	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 12 23 00-0410	LF	HP14 x 73 A992/A36 Structural Steel	162.96	20.73
		For Hot Dip Galvanizing, Add	39.09	
		For High Strength Low Alloy A572-50 Steel, Add	14.67	
		For High Strength Low Alloy A588 Grade B Steel, Add	32.59	
05 12 23 00-0411	LF	HP13 x 100 A992/A36 Structural Steel	216.77	23.00
		For Hot Dip Galvanizing, Add	53.35	
		For High Strength Low Alloy A572-50 Steel, Add	19.51	
		For High Strength Low Alloy A588 Grade B Steel, Add	43.35	
05 12 23 00-0412	LF	HP13 x 87 A992/A36 Structural Steel	192.52	21.51
		For Hot Dip Galvanizing, Add	47.06	
		For High Strength Low Alloy A572-50 Steel, Add	17.33	
		For High Strength Low Alloy A588 Grade B Steel, Add	38.50	
05 12 23 00-0413	LF	HP13 x 73 A992/A36 Structural Steel	162.96	20.73
		For Hot Dip Galvanizing, Add	39.09	
		For High Strength Low Alloy A572-50 Steel, Add	14.67	
		For High Strength Low Alloy A588 Grade B Steel, Add	32.59	
05 12 23 00-0414	LF	HP13 x 60 A992/A36 Structural Steel	138.00	19.88
		For Hot Dip Galvanizing, Add	32.41	
		For High Strength Low Alloy A572-50 Steel, Add	12.42	
		For High Strength Low Alloy A588 Grade B Steel, Add	27.60	
05 12 23 00-0415	LF	HP12 x 84 A992/A36 Structural Steel	181.54	22.68
		For Hot Dip Galvanizing, Add	43.67	
		For High Strength Low Alloy A572-50 Steel, Add	16.34	
		For High Strength Low Alloy A588 Grade B Steel, Add	36.31	
05 12 23 00-0416	LF	HP12 x 74 A992/A36 Structural Steel	160.34	21.39
		For Hot Dip Galvanizing, Add	38.17	
		For High Strength Low Alloy A572-50 Steel, Add	14.43	
		For High Strength Low Alloy A588 Grade B Steel, Add	32.07	
05 12 23 00-0417	LF	HP12 x 63 A992/A36 Structural Steel	137.98	19.67
		For Hot Dip Galvanizing, Add	32.47	
		For High Strength Low Alloy A572-50 Steel, Add	12.42	
		For High Strength Low Alloy A588 Grade B Steel, Add	27.60	
05 12 23 00-0418	LF	HP12 x 53 A992/A36 Structural Steel	126.50	18.70
		For Hot Dip Galvanizing, Add	29.57	
		For High Strength Low Alloy A572-50 Steel, Add	11.39	
		For High Strength Low Alloy A588 Grade B Steel, Add	25.30	
05 12 23 00-0419	LF	HP10 x 57 A992/A36 Structural Steel	133.28	19.19
		For Hot Dip Galvanizing, Add	31.31	
		For High Strength Low Alloy A572-50 Steel, Add	12.00	
		For High Strength Low Alloy A588 Grade B Steel, Add	26.66	
05 12 23 00-0420	LF	HP10 x 42 A992/A36 Structural Steel	109.76	17.99
		For Hot Dip Galvanizing, Add	25.14	
		For High Strength Low Alloy A572-50 Steel, Add	9.88	
		For High Strength Low Alloy A588 Grade B Steel, Add	21.95	
05 12 23 00-0421	LF	HP8 x 36 A992/A36 Structural Steel	95.39	16.96
		For Hot Dip Galvanizing, Add	21.45	
		For High Strength Low Alloy A572-50 Steel, Add	8.59	
		For High Strength Low Alloy A588 Grade B Steel, Add	19.08	

05 12 23 00-0422 Lightweight Framing Steel Shapes (05 12 23)

Note: Includes cutting to length. Excludes fasteners or welds. When used with structural steel shapes by TON, connecting bolts or welds are considered included with structural steel tasks by TON.

05 12 23 00-0423 Angle Iron - L (05 12 23 00-0422)
05 12 23 00-0424 1/8" Thick (05 12 23 00-0423)

05 12 23 00-0425	LF	1/2" x 1/2" x 1/8" Thick, Plain Steel Angle Iron	2.86	1.72
		For >100 To 250, Deduct	-0.19	
		For >250 To 500, Deduct	-0.26	
		For >500 To 1,000, Deduct	-0.39	
		For >1,000, Deduct	-0.52	
		For 304 Stainless Steel, Add	1.60	
		For 316 Stainless Steel, Add	1.79	
		For Aluminum, Add	0.10	
		For Galvanized Steel, Add	0.35	
		For High Strength Steel (HSS), Add	0.57	
05 12 23 00-0426	LF	3/4" x 1/2" x 1/8" Thick, Plain Steel Angle Iron	3.31	1.95
		For >100 To 250, Deduct	-0.21	
		For >250 To 500, Deduct	-0.30	
		For >500 To 1,000, Deduct	-0.44	
		For >1,000, Deduct	-0.59	
		For 304 Stainless Steel, Add	2.02	
		For 316 Stainless Steel, Add	2.27	
		For Aluminum, Add	0.13	
		For Galvanized Steel, Add	0.44	
		For High Strength Steel (HSS), Add	0.66	
05 12 23 00-0427	LF	3/4" x 3/4" x 1/8" Thick, Plain Steel Angle Iron	3.75	2.16
		For >100 To 250, Deduct	-0.24	
		For >250 To 500, Deduct	-0.33	
		For >500 To 1,000, Deduct	-0.50	
		For >1,000, Deduct	-0.66	
		For 304 Stainless Steel, Add	2.51	
		For 316 Stainless Steel, Add	2.82	
		For Aluminum, Add	0.16	
		For Galvanized Steel, Add	0.55	
		For High Strength Steel (HSS), Add	0.75	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0428	LF		1" x 3/4" x 1/8" Thick, Plain Steel Angle Iron	4.21	2.40
			For >100 To 250, Deduct	-0.26	
			For >250 To 500, Deduct	-0.37	
			For >500 To 1,000, Deduct	-0.56	
			For >1,000, Deduct	-0.74	
			For 304 Stainless Steel, Add	2.91	
			For 316 Stainless Steel, Add	3.26	
			For Aluminum, Add	0.18	
			For Galvanized Steel, Add	0.63	
			For High Strength Steel (HSS), Add	0.84	
05 12 23 00-0429	LF		1" x 1" x 1/8" Thick, Plain Steel Angle Iron	4.64	2.58
			For >100 To 250, Deduct	-0.29	
			For >250 To 500, Deduct	-0.40	
			For >500 To 1,000, Deduct	-0.61	
			For >1,000, Deduct	-0.81	
			For 304 Stainless Steel, Add	3.39	
			For 316 Stainless Steel, Add	3.81	
			For Aluminum, Add	0.21	
			For Galvanized Steel, Add	0.74	
			For High Strength Steel (HSS), Add	0.93	
05 12 23 00-0430	LF		1-1/4" x 1-1/4" x 1/8" Thick, Plain Steel Angle Iron	5.56	3.04
			For >100 To 250, Deduct	-0.34	
			For >250 To 500, Deduct	-0.48	
			For >500 To 1,000, Deduct	-0.72	
			For >1,000, Deduct	-0.96	
			For 304 Stainless Steel, Add	4.28	
			For 316 Stainless Steel, Add	4.80	
			For Aluminum, Add	0.27	
			For Galvanized Steel, Add	0.93	
			For High Strength Steel (HSS), Add	1.11	
05 12 23 00-0431	LF		1-1/2" x 1" x 1/8" Thick, Plain Steel Angle Iron	5.56	3.04
			For >100 To 250, Deduct	-0.34	
			For >250 To 500, Deduct	-0.48	
			For >500 To 1,000, Deduct	-0.72	
			For >1,000, Deduct	-0.96	
			For 304 Stainless Steel, Add	4.28	
			For 316 Stainless Steel, Add	4.80	
			For Aluminum, Add	0.27	
			For Galvanized Steel, Add	0.93	
			For High Strength Steel (HSS), Add	1.11	
05 12 23 00-0432	LF		1-1/2" x 1-1/2" x 1/8" Thick, Plain Steel Angle Iron	6.16	3.26
			For >100 To 250, Deduct	-0.37	
			For >250 To 500, Deduct	-0.53	
			For >500 To 1,000, Deduct	-0.79	
			For >1,000, Deduct	-1.05	
			For 304 Stainless Steel, Add	5.16	
			For 316 Stainless Steel, Add	5.79	
			For Aluminum, Add	0.33	
			For Galvanized Steel, Add	1.12	
			For High Strength Steel (HSS), Add	1.23	
05 12 23 00-0433	LF		1-3/4" x 1-3/4" x 1/8" Thick, Plain Steel Angle Iron	6.64	3.37
			For >100 To 250, Deduct	-0.39	
			For >250 To 500, Deduct	-0.56	
			For >500 To 1,000, Deduct	-0.84	
			For >1,000, Deduct	-1.11	
			For 304 Stainless Steel, Add	6.10	
			For 316 Stainless Steel, Add	6.85	
			For Aluminum, Add	0.39	
			For Galvanized Steel, Add	1.33	
			For High Strength Steel (HSS), Add	1.33	
05 12 23 00-0434	LF		2" x 1-1/2" x 1/8" Thick, Plain Steel Angle Iron	6.64	3.37
			For >100 To 250, Deduct	-0.39	
			For >250 To 500, Deduct	-0.56	
			For >500 To 1,000, Deduct	-0.84	
			For >1,000, Deduct	-1.11	
			For 304 Stainless Steel, Add	6.10	
			For 316 Stainless Steel, Add	6.85	
			For Aluminum, Add	0.39	
			For Galvanized Steel, Add	1.33	
			For High Strength Steel (HSS), Add	1.33	
05 12 23 00-0435	LF		2" x 2" x 1/8" Thick, Plain Steel Angle Iron	7.11	3.49
			For >100 To 250, Deduct	-0.41	
			For >250 To 500, Deduct	-0.59	
			For >500 To 1,000, Deduct	-0.88	
			For >1,000, Deduct	-1.18	
			For 304 Stainless Steel, Add	7.01	
			For 316 Stainless Steel, Add	7.87	
			For Aluminum, Add	0.44	
			For Galvanized Steel, Add	1.53	
			For High Strength Steel (HSS), Add	1.42	

05 12 23 00-0436 3/16" Thick (05 12 23 00-0423)

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 12 23 00-0437	LF 1" x 1" x 3/16" Thick, Plain Steel Angle Iron.....	5.36	2.73
	For >100 To 250, Deduct	-0.32	
	For >250 To 500, Deduct	-0.45	
	For >500 To 1,000, Deduct	-0.68	
	For >1,000, Deduct	-0.90	
	For 304 Stainless Steel, Add	4.90	
	For 316 Stainless Steel, Add	5.50	
	For Aluminum, Add	0.31	
	For Galvanized Steel, Add	1.07	
	For High Strength Steel (HSS), Add	1.07	
05 12 23 00-0438	LF 1-1/4" x 1-1/4" x 3/16" Thick, Plain Steel Angle Iron	6.48	3.21
	For >100 To 250, Deduct	-0.38	
	For >250 To 500, Deduct	-0.54	
	For >500 To 1,000, Deduct	-0.81	
	For >1,000, Deduct	-1.08	
	For 304 Stainless Steel, Add	6.27	
	For 316 Stainless Steel, Add	7.04	
	For Aluminum, Add	0.40	
	For Galvanized Steel, Add	1.36	
	For High Strength Steel (HSS), Add	1.30	
05 12 23 00-0439	LF 1-1/2" x 1" x 3/16" Thick, Plain Steel Angle Iron	6.48	3.21
	For >100 To 250, Deduct	-0.38	
	For >250 To 500, Deduct	-0.54	
	For >500 To 1,000, Deduct	-0.81	
	For >1,000, Deduct	-1.08	
	For 304 Stainless Steel, Add	6.27	
	For 316 Stainless Steel, Add	7.04	
	For Aluminum, Add	0.40	
	For Galvanized Steel, Add	1.36	
	For High Strength Steel (HSS), Add	1.30	
05 12 23 00-0440	LF 1-1/2" x 1-1/2" x 3/16" Thick, Plain Steel Angle Iron	7.26	3.45
	For >100 To 250, Deduct	-0.41	
	For >250 To 500, Deduct	-0.59	
	For >500 To 1,000, Deduct	-0.89	
	For >1,000, Deduct	-1.19	
	For 304 Stainless Steel, Add	7.61	
	For 316 Stainless Steel, Add	8.54	
	For Aluminum, Add	0.48	
	For Galvanized Steel, Add	1.66	
	For High Strength Steel (HSS), Add	1.45	
05 12 23 00-0441	LF 1-3/4" x 1-3/4" x 3/16" Thick, Plain Steel Angle Iron	7.92	3.57
	For >100 To 250, Deduct	-0.44	
	For >250 To 500, Deduct	-0.63	
	For >500 To 1,000, Deduct	-0.95	
	For >1,000, Deduct	-1.27	
	For 304 Stainless Steel, Add	9.01	
	For 316 Stainless Steel, Add	10.11	
	For Aluminum, Add	0.57	
	For Galvanized Steel, Add	1.96	
	For High Strength Steel (HSS), Add	1.58	
05 12 23 00-0442	LF 2" x 1-1/2" x 3/16" Thick, Plain Steel Angle Iron	7.92	3.57
	For >100 To 250, Deduct	-0.44	
	For >250 To 500, Deduct	-0.63	
	For >500 To 1,000, Deduct	-0.95	
	For >1,000, Deduct	-1.27	
	For 304 Stainless Steel, Add	9.01	
	For 316 Stainless Steel, Add	10.11	
	For Aluminum, Add	0.57	
	For Galvanized Steel, Add	1.96	
	For High Strength Steel (HSS), Add	1.58	
05 12 23 00-0443	LF 2" x 2" x 3/16" Thick, Plain Steel Angle Iron.....	8.55	3.69
	For >100 To 250, Deduct	-0.46	
	For >250 To 500, Deduct	-0.67	
	For >500 To 1,000, Deduct	-1.01	
	For >1,000, Deduct	-1.35	
	For 304 Stainless Steel, Add	10.35	
	For 316 Stainless Steel, Add	11.62	
	For Aluminum, Add	0.65	
	For Galvanized Steel, Add	2.25	
	For High Strength Steel (HSS), Add	1.71	
05 12 23 00-0444	LF 2-1/2" x 2" x 3/16" Thick, Plain Steel Angle Iron	9.36	3.95
	For >100 To 250, Deduct	-0.50	
	For >250 To 500, Deduct	-0.73	
	For >500 To 1,000, Deduct	-1.10	
	For >1,000, Deduct	-1.46	
	For 304 Stainless Steel, Add	11.66	
	For 316 Stainless Steel, Add	13.09	
	For Aluminum, Add	0.74	
	For Galvanized Steel, Add	2.54	
	For High Strength Steel (HSS), Add	1.87	
05 12 23 00-0445	LF 2-1/2" x 2-1/2" x 3/16" Thick, Plain Steel Angle Iron	10.23	4.23
	For >100 To 250, Deduct	-0.54	
	For >250 To 500, Deduct	-0.79	
	For >500 To 1,000, Deduct	-1.19	
	For >1,000, Deduct	-1.59	
	For 304 Stainless Steel, Add	13.05	
	For 316 Stainless Steel, Add	14.66	
	For Aluminum, Add	0.82	
	For Galvanized Steel, Add	2.84	
	For High Strength Steel (HSS), Add	2.05	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0446	LF		3" x 2" x 3/16" Thick, Plain Steel Angle Iron	10.22	4.23
			For >100 To 250, Deduct	-0.54	
			For >250 To 500, Deduct	-0.79	
			For >500 To 1,000, Deduct	-1.19	
			For >1,000, Deduct	-1.59	
			For 304 Stainless Steel, Add	13.02	
			For 316 Stainless Steel, Add	14.62	
			For Aluminum, Add	0.82	
			For Galvanized Steel, Add	2.83	
			For High Strength Steel (HSS), Add	2.04	
05 12 23 00-0447	LF		3" x 2-1/2" x 3/16" Thick, Plain Steel Angle Iron	11.29	4.67
			For >100 To 250, Deduct	-0.59	
			For >250 To 500, Deduct	-0.88	
			For >500 To 1,000, Deduct	-1.31	
			For >1,000, Deduct	-1.75	
			For 304 Stainless Steel, Add	14.39	
			For 316 Stainless Steel, Add	16.16	
			For Aluminum, Add	0.91	
			For Galvanized Steel, Add	3.13	
			For High Strength Steel (HSS), Add	2.26	
05 12 23 00-0448	LF		3" x 3" x 3/16" Thick, Plain Steel Angle Iron	12.34	5.12
			For >100 To 250, Deduct	-0.65	
			For >250 To 500, Deduct	-0.96	
			For >500 To 1,000, Deduct	-1.44	
			For >1,000, Deduct	-1.92	
			For 304 Stainless Steel, Add	15.73	
			For 316 Stainless Steel, Add	17.66	
			For Aluminum, Add	0.99	
			For Galvanized Steel, Add	3.42	
			For High Strength Steel (HSS), Add	2.47	
05 12 23 00-0449			1/4" Thick (05 12 23 00-0423)		
05 12 23 00-0450	LF		1" x 1" x 1/4" Thick, Plain Steel Angle Iron	6.40	3.16
			For >100 To 250, Deduct	-0.37	
			For >250 To 500, Deduct	-0.53	
			For >500 To 1,000, Deduct	-0.80	
			For >1,000, Deduct	-1.06	
			For 304 Stainless Steel, Add	6.24	
			For 316 Stainless Steel, Add	7.01	
			For Aluminum, Add	0.39	
			For Galvanized Steel, Add	1.36	
			For High Strength Steel (HSS), Add	1.28	
05 12 23 00-0451	LF		1-1/4" x 1-1/4" x 1/4" Thick, Plain Steel Angle Iron	7.36	3.39
			For >100 To 250, Deduct	-0.41	
			For >250 To 500, Deduct	-0.59	
			For >500 To 1,000, Deduct	-0.89	
			For >1,000, Deduct	-1.19	
			For 304 Stainless Steel, Add	8.07	
			For 316 Stainless Steel, Add	9.06	
			For Aluminum, Add	0.51	
			For Galvanized Steel, Add	1.75	
			For High Strength Steel (HSS), Add	1.47	
05 12 23 00-0452	LF		1-1/2" x 1" x 1/4" Thick, Plain Steel Angle Iron	7.35	3.39
			For >100 To 250, Deduct	-0.41	
			For >250 To 500, Deduct	-0.59	
			For >500 To 1,000, Deduct	-0.89	
			For >1,000, Deduct	-1.19	
			For 304 Stainless Steel, Add	8.04	
			For 316 Stainless Steel, Add	9.02	
			For Aluminum, Add	0.51	
			For Galvanized Steel, Add	1.75	
			For High Strength Steel (HSS), Add	1.47	
05 12 23 00-0453	LF		1-1/2" x 1-1/2" x 1/4" Thick, Plain Steel Angle Iron	8.30	3.64
			For >100 To 250, Deduct	-0.45	
			For >250 To 500, Deduct	-0.66	
			For >500 To 1,000, Deduct	-0.99	
			For >1,000, Deduct	-1.32	
			For 304 Stainless Steel, Add	9.83	
			For 316 Stainless Steel, Add	11.04	
			For Aluminum, Add	0.62	
			For Galvanized Steel, Add	2.14	
			For High Strength Steel (HSS), Add	1.66	
05 12 23 00-0454	LF		1-3/4" x 1-3/4" x 1/4" Thick, Plain Steel Angle Iron	9.14	3.75
			For >100 To 250, Deduct	-0.48	
			For >250 To 500, Deduct	-0.71	
			For >500 To 1,000, Deduct	-1.06	
			For >1,000, Deduct	-1.42	
			For 304 Stainless Steel, Add	11.77	
			For 316 Stainless Steel, Add	13.22	
			For Aluminum, Add	0.74	
			For Galvanized Steel, Add	2.56	
			For High Strength Steel (HSS), Add	1.83	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 12 23 00-0455	LF 2" x 1" x 1/4" Thick, Plain Steel Angle Iron.....	8.09	3.52
	For >100 To 250, Deduct	-0.43	
	For >250 To 500, Deduct	-0.64	
	For >500 To 1,000, Deduct	-0.95	
	For >1,000, Deduct	-1.27	
	For 304 Stainless Steel, Add	9.92	
	For 316 Stainless Steel, Add	11.14	
	For Aluminum, Add	0.63	
	For Galvanized Steel, Add	2.16	
	For High Strength Steel (HSS), Add	1.62	
05 12 23 00-0456	LF 2" x 1-1/2" x 1/4" Thick, Plain Steel Angle Iron	9.12	3.75
	For >100 To 250, Deduct	-0.48	
	For >250 To 500, Deduct	-0.71	
	For >500 To 1,000, Deduct	-1.06	
	For >1,000, Deduct	-1.41	
	For 304 Stainless Steel, Add	11.71	
	For 316 Stainless Steel, Add	13.15	
	For Aluminum, Add	0.74	
	For Galvanized Steel, Add	2.55	
	For High Strength Steel (HSS), Add	1.82	
05 12 23 00-0457	LF 2" x 2" x 1/4" Thick, Plain Steel Angle Iron.....	9.91	3.88
	For >100 To 250, Deduct	-0.51	
	For >250 To 500, Deduct	-0.75	
	For >500 To 1,000, Deduct	-1.13	
	For >1,000, Deduct	-1.51	
	For 304 Stainless Steel, Add	13.51	
	For 316 Stainless Steel, Add	15.17	
	For Aluminum, Add	0.85	
	For Galvanized Steel, Add	2.94	
	For High Strength Steel (HSS), Add	1.98	
05 12 23 00-0458	LF 2-1/2" x 2" x 1/4" Thick, Plain Steel Angle Iron	11.11	4.29
	For >100 To 250, Deduct	-0.56	
	For >250 To 500, Deduct	-0.84	
	For >500 To 1,000, Deduct	-1.26	
	For >1,000, Deduct	-1.68	
	For 304 Stainless Steel, Add	15.36	
	For 316 Stainless Steel, Add	17.25	
	For Aluminum, Add	0.97	
	For Galvanized Steel, Add	3.34	
	For High Strength Steel (HSS), Add	2.22	
05 12 23 00-0459	LF 2-1/2" x 2-1/2" x 1/4" Thick, Plain Steel Angle Iron	12.37	4.70
	For >100 To 250, Deduct	-0.62	
	For >250 To 500, Deduct	-0.93	
	For >500 To 1,000, Deduct	-1.40	
	For >1,000, Deduct	-1.87	
	For 304 Stainless Steel, Add	17.36	
	For 316 Stainless Steel, Add	19.49	
	For Aluminum, Add	1.10	
	For Galvanized Steel, Add	3.78	
	For High Strength Steel (HSS), Add	2.47	
05 12 23 00-0460	LF 3" x 2" x 1/4" Thick, Plain Steel Angle Iron.....	12.37	4.70
	For >100 To 250, Deduct	-0.62	
	For >250 To 500, Deduct	-0.93	
	For >500 To 1,000, Deduct	-1.40	
	For >1,000, Deduct	-1.87	
	For 304 Stainless Steel, Add	17.36	
	For 316 Stainless Steel, Add	19.49	
	For Aluminum, Add	1.10	
	For Galvanized Steel, Add	3.78	
	For High Strength Steel (HSS), Add	2.47	
05 12 23 00-0461	LF 3" x 2-1/2" x 1/4" Thick, Plain Steel Angle Iron	13.66	5.22
	For >100 To 250, Deduct	-0.69	
	For >250 To 500, Deduct	-1.03	
	For >500 To 1,000, Deduct	-1.55	
	For >1,000, Deduct	-2.06	
	For 304 Stainless Steel, Add	19.10	
	For 316 Stainless Steel, Add	21.44	
	For Aluminum, Add	1.21	
	For Galvanized Steel, Add	4.15	
	For High Strength Steel (HSS), Add	2.73	
05 12 23 00-0462	LF 3" x 3" x 1/4" Thick, Plain Steel Angle Iron.....	14.94	5.74
	For >100 To 250, Deduct	-0.76	
	For >250 To 500, Deduct	-1.13	
	For >500 To 1,000, Deduct	-1.70	
	For >1,000, Deduct	-2.26	
	For 304 Stainless Steel, Add	20.75	
	For 316 Stainless Steel, Add	23.30	
	For Aluminum, Add	1.31	
	For Galvanized Steel, Add	4.51	
	For High Strength Steel (HSS), Add	2.99	
05 12 23 00-0463	LF 3-1/2" x 3" x 1/4" Thick, Plain Steel Angle Iron	16.24	6.17
	For >100 To 250, Deduct	-0.82	
	For >250 To 500, Deduct	-1.22	
	For >500 To 1,000, Deduct	-1.83	
	For >1,000, Deduct	-2.45	
	For 304 Stainless Steel, Add	22.86	
	For 316 Stainless Steel, Add	25.66	
	For Aluminum, Add	1.44	
	For Galvanized Steel, Add	4.97	
	For High Strength Steel (HSS), Add	3.25	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0464	LF		3-1/2" x 3-1/2" x 1/4" Thick, Plain Steel Angle Iron	17.22	0.64
			For >100 To 250, Deduct	-0.86	
			For >250 To 500, Deduct	-1.29	
			For >500 To 1,000, Deduct	-1.94	
			For >1,000, Deduct	-2.58	
			For 304 Stainless Steel, Add	24.60	
			For 316 Stainless Steel, Add	27.62	
			For Aluminum, Add	1.55	
			For Galvanized Steel, Add	5.35	
			For High Strength Steel (HSS), Add	3.44	
05 12 23 00-0465	LF		4" x 3" x 1/4" Thick, Plain Steel Angle Iron	17.22	6.45
			For >100 To 250, Deduct	-0.86	
			For >250 To 500, Deduct	-1.29	
			For >500 To 1,000, Deduct	-1.94	
			For >1,000, Deduct	-2.58	
			For 304 Stainless Steel, Add	24.60	
			For 316 Stainless Steel, Add	27.62	
			For Aluminum, Add	1.55	
			For Galvanized Steel, Add	5.35	
			For High Strength Steel (HSS), Add	3.44	
05 12 23 00-0466	LF		4" x 3-1/2" x 1/4" Thick, Plain Steel Angle Iron	18.17	6.71
			For >100 To 250, Deduct	-0.90	
			For >250 To 500, Deduct	-1.36	
			For >500 To 1,000, Deduct	-2.03	
			For >1,000, Deduct	-2.71	
			For 304 Stainless Steel, Add	26.25	
			For 316 Stainless Steel, Add	29.47	
			For Aluminum, Add	1.66	
			For Galvanized Steel, Add	5.71	
			For High Strength Steel (HSS), Add	3.63	
05 12 23 00-0467	LF		4" x 4" x 1/4" Thick, Plain Steel Angle Iron	19.17	7.00
			For >100 To 250, Deduct	-0.95	
			For >250 To 500, Deduct	-1.43	
			For >500 To 1,000, Deduct	-2.14	
			For >1,000, Deduct	-2.85	
			For 304 Stainless Steel, Add	28.02	
			For 316 Stainless Steel, Add	31.46	
			For Aluminum, Add	1.77	
			For Galvanized Steel, Add	6.09	
			For High Strength Steel (HSS), Add	3.83	
05 12 23 00-0468	LF		5" x 3" x 1/4" Thick, Plain Steel Angle Iron	19.17	7.00
			For >100 To 250, Deduct	-0.95	
			For >250 To 500, Deduct	-1.43	
			For >500 To 1,000, Deduct	-2.14	
			For >1,000, Deduct	-2.85	
			For 304 Stainless Steel, Add	28.02	
			For 316 Stainless Steel, Add	31.46	
			For Aluminum, Add	1.77	
			For Galvanized Steel, Add	6.09	
			For High Strength Steel (HSS), Add	3.83	
05 12 23 00-0469	LF		5" x 3-1/2" x 1/4" Thick, Plain Steel Angle Iron	20.23	7.37
			For >100 To 250, Deduct	-1.00	
			For >250 To 500, Deduct	-1.50	
			For >500 To 1,000, Deduct	-2.26	
			For >1,000, Deduct	-3.01	
			For 304 Stainless Steel, Add	29.61	
			For 316 Stainless Steel, Add	33.25	
			For Aluminum, Add	1.87	
			For Galvanized Steel, Add	6.44	
			For High Strength Steel (HSS), Add	4.05	
05 12 23 00-0470			5/16" Thick (05 12 23 00-0423)		
05 12 23 00-0471	LF		2-1/2" x 2" x 5/16" Thick, Plain Steel Angle Iron	13.35	4.99
			For >100 To 250, Deduct	-0.67	
			For >250 To 500, Deduct	-1.00	
			For >500 To 1,000, Deduct	-1.50	
			For >1,000, Deduct	-2.00	
			For 304 Stainless Steel, Add	19.10	
			For 316 Stainless Steel, Add	21.44	
			For Aluminum, Add	1.21	
			For Galvanized Steel, Add	4.15	
			For High Strength Steel (HSS), Add	2.67	
05 12 23 00-0472	LF		2-1/2" x 2-1/2" x 5/16" Thick, Plain Steel Angle Iron	14.49	5.29
			For >100 To 250, Deduct	-0.71	
			For >250 To 500, Deduct	-1.08	
			For >500 To 1,000, Deduct	-1.62	
			For >1,000, Deduct	-2.15	
			For 304 Stainless Steel, Add	21.20	
			For 316 Stainless Steel, Add	23.81	
			For Aluminum, Add	1.34	
			For Galvanized Steel, Add	4.61	
			For High Strength Steel (HSS), Add	2.90	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 12 23 00-0473	LF 3" x 2" x 5/16" Thick, Plain Steel Angle Iron.....	14.49	5.29
	For >100 To 250, Deduct	-0.71	
	For >250 To 500, Deduct	-1.08	
	For >500 To 1,000, Deduct	-1.62	
	For >1,000, Deduct	-2.15	
	For 304 Stainless Steel, Add	21.20	
	For 316 Stainless Steel, Add	23.81	
	For Aluminum, Add	1.34	
	For Galvanized Steel, Add	4.61	
	For High Strength Steel (HSS), Add	2.90	
05 12 23 00-0474	LF 3" x 2-1/2" x 5/16" Thick, Plain Steel Angle Iron	16.07	5.80
	For >100 To 250, Deduct	-0.79	
	For >250 To 500, Deduct	-1.19	
	For >500 To 1,000, Deduct	-1.79	
	For >1,000, Deduct	-2.38	
	For 304 Stainless Steel, Add	23.77	
	For 316 Stainless Steel, Add	26.69	
	For Aluminum, Add	1.50	
	For Galvanized Steel, Add	5.17	
	For High Strength Steel (HSS), Add	3.21	
05 12 23 00-0475	LF 3" x 3" x 5/16" Thick, Plain Steel Angle Iron.....	17.48	6.31
	For >100 To 250, Deduct	-0.86	
	For >250 To 500, Deduct	-1.29	
	For >500 To 1,000, Deduct	-1.94	
	For >1,000, Deduct	-2.59	
	For 304 Stainless Steel, Add	25.88	
	For 316 Stainless Steel, Add	29.06	
	For Aluminum, Add	1.63	
	For Galvanized Steel, Add	5.63	
	For High Strength Steel (HSS), Add	3.50	
05 12 23 00-0476	LF 3-1/2" x 3" x 5/16" Thick, Plain Steel Angle Iron	18.65	6.62
	For >100 To 250, Deduct	-0.91	
	For >250 To 500, Deduct	-1.37	
	For >500 To 1,000, Deduct	-2.06	
	For >1,000, Deduct	-2.75	
	For 304 Stainless Steel, Add	28.02	
	For 316 Stainless Steel, Add	31.46	
	For Aluminum, Add	1.77	
	For Galvanized Steel, Add	6.09	
	For High Strength Steel (HSS), Add	3.73	
05 12 23 00-0477	LF 3-1/2" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron	19.96	6.95
	For >100 To 250, Deduct	-0.96	
	For >250 To 500, Deduct	-1.46	
	For >500 To 1,000, Deduct	-2.19	
	For >1,000, Deduct	-2.92	
	For 304 Stainless Steel, Add	30.47	
	For 316 Stainless Steel, Add	34.21	
	For Aluminum, Add	1.92	
	For Galvanized Steel, Add	6.63	
	For High Strength Steel (HSS), Add	3.99	
05 12 23 00-0478	LF 4" x 3" x 5/16" Thick, Plain Steel Angle Iron.....	19.96	6.95
	For >100 To 250, Deduct	-0.96	
	For >250 To 500, Deduct	-1.46	
	For >500 To 1,000, Deduct	-2.19	
	For >1,000, Deduct	-2.92	
	For 304 Stainless Steel, Add	30.47	
	For 316 Stainless Steel, Add	34.21	
	For Aluminum, Add	1.92	
	For Galvanized Steel, Add	6.63	
	For High Strength Steel (HSS), Add	3.99	
05 12 23 00-0479	LF 4" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron	21.22	7.34
	For >100 To 250, Deduct	-1.02	
	For >250 To 500, Deduct	-1.55	
	For >500 To 1,000, Deduct	-2.33	
	For >1,000, Deduct	-3.10	
	For 304 Stainless Steel, Add	32.58	
	For 316 Stainless Steel, Add	36.58	
	For Aluminum, Add	2.06	
	For Galvanized Steel, Add	7.09	
	For High Strength Steel (HSS), Add	4.24	
05 12 23 00-0480	LF 4" x 4" x 5/16" Thick, Plain Steel Angle Iron.....	22.45	7.68
	For >100 To 250, Deduct	-1.07	
	For >250 To 500, Deduct	-1.63	
	For >500 To 1,000, Deduct	-2.45	
	For >1,000, Deduct	-3.27	
	For 304 Stainless Steel, Add	34.80	
	For 316 Stainless Steel, Add	39.07	
	For Aluminum, Add	2.20	
	For Galvanized Steel, Add	7.57	
	For High Strength Steel (HSS), Add	4.49	
05 12 23 00-0481	LF 5" x 3" x 5/16" Thick, Plain Steel Angle Iron.....	22.45	7.68
	For >100 To 250, Deduct	-1.07	
	For >250 To 500, Deduct	-1.63	
	For >500 To 1,000, Deduct	-2.45	
	For >1,000, Deduct	-3.27	
	For 304 Stainless Steel, Add	34.80	
	For 316 Stainless Steel, Add	39.07	
	For Aluminum, Add	2.20	
	For Galvanized Steel, Add	7.57	
	For High Strength Steel (HSS), Add	4.49	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0482	LF		5" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron	23.58	7.99
			For >100 To 250, Deduct	-1.12	
			For >250 To 500, Deduct	-1.71	
			For >500 To 1,000, Deduct	-2.57	
			For >1,000, Deduct	-3.42	
			For 304 Stainless Steel, Add	36.82	
			For 316 Stainless Steel, Add	41.34	
			For Aluminum, Add	2.33	
			For Galvanized Steel, Add	8.01	
			For High Strength Steel (HSS), Add	4.72	
05 12 23 00-0483	LF		5" x 5" x 5/16" Thick, Plain Steel Angle Iron	26.44	8.33
			For >100 To 250, Deduct	-1.22	
			For >250 To 500, Deduct	-1.88	
			For >500 To 1,000, Deduct	-2.82	
			For >1,000, Deduct	-3.76	
			For 304 Stainless Steel, Add	43.69	
			For 316 Stainless Steel, Add	49.06	
			For Aluminum, Add	2.76	
			For Galvanized Steel, Add	9.50	
			For High Strength Steel (HSS), Add	5.29	
05 12 23 00-0484	LF		6" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron	26.13	8.68
			For >100 To 250, Deduct	-1.23	
			For >250 To 500, Deduct	-1.89	
			For >500 To 1,000, Deduct	-2.83	
			For >1,000, Deduct	-3.77	
			For 304 Stainless Steel, Add	41.47	
			For 316 Stainless Steel, Add	46.56	
			For Aluminum, Add	2.62	
			For Galvanized Steel, Add	9.02	
			For High Strength Steel (HSS), Add	5.23	
05 12 23 00-0485 3/8" Thick (05 12 23 00-0423)					
05 12 23 00-0486	LF		3" x 2" x 3/8" Thick, Plain Steel Angle Iron	16.13	5.53
			For >100 To 250, Deduct	-0.77	
			For >250 To 500, Deduct	-1.18	
			For >500 To 1,000, Deduct	-1.76	
			For >1,000, Deduct	-2.35	
			For 304 Stainless Steel, Add	24.97	
			For 316 Stainless Steel, Add	28.03	
			For Aluminum, Add	1.58	
			For Galvanized Steel, Add	5.43	
			For High Strength Steel (HSS), Add	3.23	
05 12 23 00-0487	LF		3" x 2-1/2" x 3/8" Thick, Plain Steel Angle Iron	17.82	5.99
			For >100 To 250, Deduct	-0.85	
			For >250 To 500, Deduct	-1.29	
			For >500 To 1,000, Deduct	-1.94	
			For >1,000, Deduct	-2.58	
			For 304 Stainless Steel, Add	28.02	
			For 316 Stainless Steel, Add	31.46	
			For Aluminum, Add	1.77	
			For Galvanized Steel, Add	6.09	
			For High Strength Steel (HSS), Add	3.56	
05 12 23 00-0488	LF		3" x 3" x 3/8" Thick, Plain Steel Angle Iron	19.29	6.46
			For >100 To 250, Deduct	-0.91	
			For >250 To 500, Deduct	-1.39	
			For >500 To 1,000, Deduct	-2.09	
			For >1,000, Deduct	-2.79	
			For 304 Stainless Steel, Add	30.47	
			For 316 Stainless Steel, Add	34.21	
			For Aluminum, Add	1.92	
			For Galvanized Steel, Add	6.63	
			For High Strength Steel (HSS), Add	3.86	
05 12 23 00-0489	LF		3-1/2" x 3" x 3/8" Thick, Plain Steel Angle Iron	20.60	6.64
			For >100 To 250, Deduct	-0.96	
			For >250 To 500, Deduct	-1.47	
			For >500 To 1,000, Deduct	-2.21	
			For >1,000, Deduct	-2.94	
			For 304 Stainless Steel, Add	33.52	
			For 316 Stainless Steel, Add	37.63	
			For Aluminum, Add	2.12	
			For Galvanized Steel, Add	7.29	
			For High Strength Steel (HSS), Add	4.12	
05 12 23 00-0490	LF		3-1/2" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron	21.95	7.00
			For >100 To 250, Deduct	-1.02	
			For >250 To 500, Deduct	-1.56	
			For >500 To 1,000, Deduct	-2.35	
			For >1,000, Deduct	-3.13	
			For 304 Stainless Steel, Add	35.97	
			For 316 Stainless Steel, Add	40.38	
			For Aluminum, Add	2.27	
			For Galvanized Steel, Add	7.82	
			For High Strength Steel (HSS), Add	4.39	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 12 23 00-0491	LF 4" x 3" x 3/8" Thick, Plain Steel Angle Iron.....	21.95	7.00
	For >100 To 250, Deduct	-1.02	
	For >250 To 500, Deduct	-1.56	
	For >500 To 1,000, Deduct	-2.35	
	For >1,000, Deduct	-3.13	
	For 304 Stainless Steel, Add	35.97	
	For 316 Stainless Steel, Add	40.38	
	For Aluminum, Add	2.27	
	For Galvanized Steel, Add	7.82	
	For High Strength Steel (HSS), Add	4.39	
05 12 23 00-0492	LF 4" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron	23.67	7.63
	For >100 To 250, Deduct	-1.10	
	For >250 To 500, Deduct	-1.69	
	For >500 To 1,000, Deduct	-2.54	
	For >1,000, Deduct	-3.38	
	For 304 Stainless Steel, Add	38.50	
	For 316 Stainless Steel, Add	43.23	
	For Aluminum, Add	2.43	
	For Galvanized Steel, Add	8.38	
	For High Strength Steel (HSS), Add	4.73	
05 12 23 00-0493	LF 4" x 4" x 3/8" Thick, Plain Steel Angle Iron.....	25.01	7.85
	For >100 To 250, Deduct	-1.15	
	For >250 To 500, Deduct	-1.77	
	For >500 To 1,000, Deduct	-2.66	
	For >1,000, Deduct	-3.55	
	For 304 Stainless Steel, Add	41.47	
	For 316 Stainless Steel, Add	46.56	
	For Aluminum, Add	2.62	
	For Galvanized Steel, Add	9.02	
	For High Strength Steel (HSS), Add	5.00	
05 12 23 00-0494	LF 5" x 3" x 3/8" Thick, Plain Steel Angle Iron.....	25.43	8.16
	For >100 To 250, Deduct	-1.18	
	For >250 To 500, Deduct	-1.82	
	For >500 To 1,000, Deduct	-2.72	
	For >1,000, Deduct	-3.63	
	For 304 Stainless Steel, Add	41.47	
	For 316 Stainless Steel, Add	46.56	
	For Aluminum, Add	2.62	
	For Galvanized Steel, Add	9.02	
	For High Strength Steel (HSS), Add	5.09	
05 12 23 00-0495	LF 5" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron	27.17	8.79
	For >100 To 250, Deduct	-1.27	
	For >250 To 500, Deduct	-1.95	
	For >500 To 1,000, Deduct	-2.92	
	For >1,000, Deduct	-3.89	
	For 304 Stainless Steel, Add	44.00	
	For 316 Stainless Steel, Add	49.41	
	For Aluminum, Add	2.78	
	For Galvanized Steel, Add	9.57	
	For High Strength Steel (HSS), Add	5.43	
05 12 23 00-0496	LF 5" x 5" x 3/8" Thick, Plain Steel Angle Iron.....	31.97	10.25
	For >100 To 250, Deduct	-1.48	
	For >250 To 500, Deduct	-2.28	
	For >500 To 1,000, Deduct	-3.42	
	For >1,000, Deduct	-4.56	
	For 304 Stainless Steel, Add	52.18	
	For 316 Stainless Steel, Add	58.59	
	For Aluminum, Add	3.30	
	For Galvanized Steel, Add	11.35	
	For High Strength Steel (HSS), Add	6.39	
05 12 23 00-0497	LF 6" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron	30.07	9.52
	For >100 To 250, Deduct	-1.39	
	For >250 To 500, Deduct	-2.14	
	For >500 To 1,000, Deduct	-3.21	
	For >1,000, Deduct	-4.28	
	For 304 Stainless Steel, Add	49.50	
	For 316 Stainless Steel, Add	55.58	
	For Aluminum, Add	3.13	
	For Galvanized Steel, Add	10.77	
	For High Strength Steel (HSS), Add	6.01	
05 12 23 00-0498	LF 6" x 4" x 3/8" Thick, Plain Steel Angle Iron.....	31.97	10.25
	For >100 To 250, Deduct	-1.48	
	For >250 To 500, Deduct	-2.28	
	For >500 To 1,000, Deduct	-3.42	
	For >1,000, Deduct	-4.56	
	For 304 Stainless Steel, Add	52.18	
	For 316 Stainless Steel, Add	58.59	
	For Aluminum, Add	3.30	
	For Galvanized Steel, Add	11.35	
	For High Strength Steel (HSS), Add	6.39	
05 12 23 00-0499	LF 6" x 6" x 3/8" Thick, Plain Steel Angle Iron.....	38.56	12.30
	For >100 To 250, Deduct	-1.78	
	For >250 To 500, Deduct	-2.75	
	For >500 To 1,000, Deduct	-4.12	
	For >1,000, Deduct	-5.49	
	For 304 Stainless Steel, Add	63.21	
	For 316 Stainless Steel, Add	70.98	
	For Aluminum, Add	3.99	
	For Galvanized Steel, Add	13.75	
	For High Strength Steel (HSS), Add	7.71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0500	LF		7" x 4" x 3/8" Thick, Plain Steel Angle Iron	35.27	11.27
			For >100 To 250, Deduct	-1.63	
			For >250 To 500, Deduct	-2.52	
			For >500 To 1,000, Deduct	-3.77	
			For >1,000, Deduct	-5.03	
			For 304 Stainless Steel, Add	57.68	
			For 316 Stainless Steel, Add	64.77	
			For Aluminum, Add	3.64	
			For Galvanized Steel, Add	12.55	
			For High Strength Steel (HSS), Add	7.05	
05 12 23 00-0501			1/2" Thick (05 12 23 00-0423)		
05 12 23 00-0502	LF		3" x 3" x 1/2" Thick, Plain Steel Angle Iron	22.78	6.60
			For >100 To 250, Deduct	-1.01	
			For >250 To 500, Deduct	-1.58	
			For >500 To 1,000, Deduct	-2.37	
			For >1,000, Deduct	-3.16	
			For 304 Stainless Steel, Add	39.87	
			For 316 Stainless Steel, Add	44.77	
			For Aluminum, Add	2.52	
			For Galvanized Steel, Add	8.67	
			For High Strength Steel (HSS), Add	4.56	
05 12 23 00-0503	LF		4" x 3" x 1/2" Thick, Plain Steel Angle Iron	26.92	7.79
			For >100 To 250, Deduct	-1.19	
			For >250 To 500, Deduct	-1.87	
			For >500 To 1,000, Deduct	-2.80	
			For >1,000, Deduct	-3.73	
			For 304 Stainless Steel, Add	47.11	
			For 316 Stainless Steel, Add	52.90	
			For Aluminum, Add	2.98	
			For Galvanized Steel, Add	10.25	
			For High Strength Steel (HSS), Add	5.38	
05 12 23 00-0504	LF		4" x 3-1/2" x 1/2" Thick, Plain Steel Angle Iron	28.85	8.35
			For >100 To 250, Deduct	-1.28	
			For >250 To 500, Deduct	-2.00	
			For >500 To 1,000, Deduct	-3.00	
			For >1,000, Deduct	-4.00	
			For 304 Stainless Steel, Add	50.50	
			For 316 Stainless Steel, Add	56.70	
			For Aluminum, Add	3.19	
			For Galvanized Steel, Add	10.99	
			For High Strength Steel (HSS), Add	5.77	
05 12 23 00-0505	LF		4" x 4" x 1/2" Thick, Plain Steel Angle Iron	31.04	8.99
			For >100 To 250, Deduct	-1.38	
			For >250 To 500, Deduct	-2.15	
			For >500 To 1,000, Deduct	-3.23	
			For >1,000, Deduct	-4.30	
			For 304 Stainless Steel, Add	54.32	
			For 316 Stainless Steel, Add	60.99	
			For Aluminum, Add	3.43	
			For Galvanized Steel, Add	11.82	
			For High Strength Steel (HSS), Add	6.21	
05 12 23 00-0506	LF		5" x 3" x 1/2" Thick, Plain Steel Angle Iron	31.04	8.99
			For >100 To 250, Deduct	-1.38	
			For >250 To 500, Deduct	-2.15	
			For >500 To 1,000, Deduct	-3.23	
			For >1,000, Deduct	-4.30	
			For 304 Stainless Steel, Add	54.32	
			For 316 Stainless Steel, Add	60.99	
			For Aluminum, Add	3.43	
			For Galvanized Steel, Add	11.82	
			For High Strength Steel (HSS), Add	6.21	
05 12 23 00-0507	LF		5" x 3-1/2" x 1/2" Thick, Plain Steel Angle Iron	32.97	9.54
			For >100 To 250, Deduct	-1.46	
			For >250 To 500, Deduct	-2.28	
			For >500 To 1,000, Deduct	-3.43	
			For >1,000, Deduct	-4.57	
			For 304 Stainless Steel, Add	57.71	
			For 316 Stainless Steel, Add	64.80	
			For Aluminum, Add	3.65	
			For Galvanized Steel, Add	12.56	
			For High Strength Steel (HSS), Add	6.59	
05 12 23 00-0508	LF		5" x 5" x 1/2" Thick, Plain Steel Angle Iron	39.28	11.36
			For >100 To 250, Deduct	-1.74	
			For >250 To 500, Deduct	-2.72	
			For >500 To 1,000, Deduct	-4.08	
			For >1,000, Deduct	-5.44	
			For 304 Stainless Steel, Add	68.74	
			For 316 Stainless Steel, Add	77.18	
			For Aluminum, Add	4.34	
			For Galvanized Steel, Add	14.95	
			For High Strength Steel (HSS), Add	7.86	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
05 12 23 00-0509	LF 6" x 4" x 1/2" Thick, Plain Steel Angle Iron.....	39.28		11.36
	For >100 To 250, Deduct	-1.74		
	For >250 To 500, Deduct	-2.72		
	For >500 To 1,000, Deduct	-4.08		
	For >1,000, Deduct	-5.44		
	For 304 Stainless Steel, Add	68.74		
	For 316 Stainless Steel, Add	77.18		
	For Aluminum, Add	4.34		
	For Galvanized Steel, Add	14.95		
	For High Strength Steel (HSS), Add	7.86		
05 12 23 00-0510	LF 6" x 6" x 1/2" Thick, Plain Steel Angle Iron.....	47.51		13.75
	For >100 To 250, Deduct	-2.10		
	For >250 To 500, Deduct	-3.29		
	For >500 To 1,000, Deduct	-4.94		
	For >1,000, Deduct	-6.59		
	For 304 Stainless Steel, Add	83.13		
	For 316 Stainless Steel, Add	93.34		
	For Aluminum, Add	5.25		
	For Galvanized Steel, Add	18.09		
	For High Strength Steel (HSS), Add	9.50		
05 12 23 00-0511	LF 7" x 4" x 1/2" Thick, Plain Steel Angle Iron.....	43.38		12.56
	For >100 To 250, Deduct	-1.92		
	For >250 To 500, Deduct	-3.01		
	For >500 To 1,000, Deduct	-4.51		
	For >1,000, Deduct	-6.01		
	For 304 Stainless Steel, Add	75.92		
	For 316 Stainless Steel, Add	85.25		
	For Aluminum, Add	4.80		
	For Galvanized Steel, Add	16.52		
	For High Strength Steel (HSS), Add	8.68		
05 12 23 00-0512	LF 8" x 4" x 1/2" Thick, Plain Steel Angle Iron.....	47.51		13.75
	For >100 To 250, Deduct	-2.10		
	For >250 To 500, Deduct	-3.29		
	For >500 To 1,000, Deduct	-4.94		
	For >1,000, Deduct	-6.59		
	For 304 Stainless Steel, Add	83.13		
	For 316 Stainless Steel, Add	93.34		
	For Aluminum, Add	5.25		
	For Galvanized Steel, Add	18.09		
	For High Strength Steel (HSS), Add	9.50		
05 12 23 00-0513	LF 8" x 6" x 1/2" Thick, Plain Steel Angle Iron.....	55.77		16.15
	For >100 To 250, Deduct	-2.47		
	For >250 To 500, Deduct	-3.86		
	For >500 To 1,000, Deduct	-5.80		
	For >1,000, Deduct	-7.73		
	For 304 Stainless Steel, Add	97.61		
	For 316 Stainless Steel, Add	109.60		
	For Aluminum, Add	6.17		
	For Galvanized Steel, Add	21.24		
	For High Strength Steel (HSS), Add	11.15		
05 12 23 00-0514	LF 8" x 8" x 1/2" Thick, Plain Steel Angle Iron.....	64.00		18.53
	For >100 To 250, Deduct	-2.84		
	For >250 To 500, Deduct	-4.44		
	For >500 To 1,000, Deduct	-6.65		
	For >1,000, Deduct	-8.87		
	For 304 Stainless Steel, Add	112.01		
	For 316 Stainless Steel, Add	125.76		
	For Aluminum, Add	7.07		
	For Galvanized Steel, Add	24.37		
	For High Strength Steel (HSS), Add	12.80		
05 12 23 00-0515	5/8" Thick (05 12 23 00-0423)			
05 12 23 00-0516	LF 4" x 4" x 5/8" Thick, Plain Steel Angle Iron.....	37.10		10.30
	For >100 To 250, Deduct	-1.61		
	For >250 To 500, Deduct	-2.54		
	For >500 To 1,000, Deduct	-3.81		
	For >1,000, Deduct	-5.08		
	For 316 Stainless Steel, Add	74.78		
	For Aluminum, Add	4.21		
	For Galvanized Steel, Add	14.49		
	For High Strength Steel (HSS), Add	7.42		
05 12 23 00-0517	LF 5" x 3-1/2" x 5/8" Thick, Plain Steel Angle Iron	39.71		11.02
	For >100 To 250, Deduct	-1.73		
	For >250 To 500, Deduct	-2.72		
	For >500 To 1,000, Deduct	-4.08		
	For >1,000, Deduct	-5.44		
	For 316 Stainless Steel, Add	80.06		
	For Aluminum, Add	4.50		
	For Galvanized Steel, Add	15.51		
	For High Strength Steel (HSS), Add	7.94		
05 12 23 00-0518	LF 5" x 5" x 5/8" Thick, Plain Steel Angle Iron.....	47.26		13.12
	For >100 To 250, Deduct	-2.06		
	For >250 To 500, Deduct	-3.24		
	For >500 To 1,000, Deduct	-4.86		
	For >1,000, Deduct	-6.48		
	For 316 Stainless Steel, Add	95.26		
	For Aluminum, Add	5.36		
	For Galvanized Steel, Add	18.46		
	For High Strength Steel (HSS), Add	9.45		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0519	LF		6" x 4" x 5/8" Thick, Plain Steel Angle Iron	47.26	13.12
			For >100 To 250, Deduct	-2.06	
			For >250 To 500, Deduct	-3.24	
			For >500 To 1,000, Deduct	-4.86	
			For >1,000, Deduct	-6.48	
			For 316 Stainless Steel, Add	95.26	
			For Aluminum, Add	5.36	
			For Galvanized Steel, Add	18.46	
			For High Strength Steel (HSS), Add	9.45	
05 12 23 00-0520	LF		6" x 6" x 5/8" Thick, Plain Steel Angle Iron	57.20	15.87
			For >100 To 250, Deduct	-2.49	
			For >250 To 500, Deduct	-3.92	
			For >500 To 1,000, Deduct	-5.88	
			For >1,000, Deduct	-7.84	
			For 316 Stainless Steel, Add	115.30	
			For Aluminum, Add	6.49	
			For Galvanized Steel, Add	22.34	
			For High Strength Steel (HSS), Add	11.44	
05 12 23 00-0521	LF		7" x 4" x 5/8" Thick, Plain Steel Angle Iron	52.22	14.50
			For >100 To 250, Deduct	-2.27	
			For >250 To 500, Deduct	-3.58	
			For >500 To 1,000, Deduct	-5.37	
			For >1,000, Deduct	-7.15	
			For 316 Stainless Steel, Add	105.28	
			For Aluminum, Add	5.92	
			For Galvanized Steel, Add	20.40	
			For High Strength Steel (HSS), Add	10.44	
05 12 23 00-0522	LF		8" x 6" x 5/8" Thick, Plain Steel Angle Iron	67.34	18.69
			For >100 To 250, Deduct	-2.93	
			For >250 To 500, Deduct	-4.61	
			For >500 To 1,000, Deduct	-6.92	
			For >1,000, Deduct	-9.23	
			For 316 Stainless Steel, Add	135.74	
			For Aluminum, Add	7.64	
			For Galvanized Steel, Add	26.30	
			For High Strength Steel (HSS), Add	13.47	
05 12 23 00-0523	LF		8" x 8" x 5/8" Thick, Plain Steel Angle Iron	77.27	21.45
			For >100 To 250, Deduct	-3.36	
			For >250 To 500, Deduct	-5.29	
			For >500 To 1,000, Deduct	-7.94	
			For >1,000, Deduct	-10.59	
			For 316 Stainless Steel, Add	155.78	
			For Aluminum, Add	8.76	
			For Galvanized Steel, Add	30.18	
			For High Strength Steel (HSS), Add	15.45	
05 12 23 00-0524			3/4" Thick (05 12 23 00-0423)		
05 12 23 00-0525	LF		4" x 4" x 3/4" Thick, Plain Steel Angle Iron	42.72	11.38
			For >100 To 250, Deduct	-1.83	
			For >250 To 500, Deduct	-2.89	
			For >500 To 1,000, Deduct	-4.34	
			For >1,000, Deduct	-5.79	
			For 316 Stainless Steel, Add	88.16	
			For Aluminum, Add	4.96	
			For Galvanized Steel, Add	17.08	
			For High Strength Steel (HSS), Add	8.54	
05 12 23 00-0526	LF		5" x 3-1/2" x 3/4" Thick, Plain Steel Angle Iron	45.70	12.18
			For >100 To 250, Deduct	-1.95	
			For >250 To 500, Deduct	-3.10	
			For >500 To 1,000, Deduct	-4.64	
			For >1,000, Deduct	-6.19	
			For 316 Stainless Steel, Add	94.30	
			For Aluminum, Add	5.30	
			For Galvanized Steel, Add	18.27	
			For High Strength Steel (HSS), Add	9.14	
05 12 23 00-0527	LF		5" x 5" x 3/4" Thick, Plain Steel Angle Iron	54.49	14.52
			For >100 To 250, Deduct	-2.33	
			For >250 To 500, Deduct	-3.69	
			For >500 To 1,000, Deduct	-5.54	
			For >1,000, Deduct	-7.38	
			For 316 Stainless Steel, Add	112.45	
			For Aluminum, Add	6.33	
			For Galvanized Steel, Add	21.79	
			For High Strength Steel (HSS), Add	10.90	
05 12 23 00-0528	LF		6" x 4" x 3/4" Thick, Plain Steel Angle Iron	54.49	14.52
			For >100 To 250, Deduct	-2.33	
			For >250 To 500, Deduct	-3.69	
			For >500 To 1,000, Deduct	-5.54	
			For >1,000, Deduct	-7.38	
			For 316 Stainless Steel, Add	112.45	
			For Aluminum, Add	6.33	
			For Galvanized Steel, Add	21.79	
			For High Strength Steel (HSS), Add	10.90	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 12 23 00-0529	LF 6" x 6" x 3/4" Thick, Plain Steel Angle Iron.....	66.25	17.64
	For >100 To 250, Deduct	-2.83	
	For >250 To 500, Deduct	-4.49	
	For >500 To 1,000, Deduct	-6.73	
	For >1,000, Deduct	-8.98	
	For 316 Stainless Steel, Add	136.70	
	For Aluminum, Add	7.69	
	For Galvanized Steel, Add	26.49	
	For High Strength Steel (HSS), Add	13.25	
05 12 23 00-0530	LF 7" x 4" x 3/4" Thick, Plain Steel Angle Iron.....	60.48	16.11
	For >100 To 250, Deduct	-2.59	
	For >250 To 500, Deduct	-4.10	
	For >500 To 1,000, Deduct	-6.15	
	For >1,000, Deduct	-8.20	
	For 316 Stainless Steel, Add	124.80	
	For Aluminum, Add	7.02	
	For Galvanized Steel, Add	24.18	
	For High Strength Steel (HSS), Add	12.10	
05 12 23 00-0531	LF 8" x 4" x 3/4" Thick, Plain Steel Angle Iron.....	66.25	17.64
	For >100 To 250, Deduct	-2.83	
	For >250 To 500, Deduct	-4.49	
	For >500 To 1,000, Deduct	-6.73	
	For >1,000, Deduct	-8.98	
	For 316 Stainless Steel, Add	136.70	
	For Aluminum, Add	7.69	
	For Galvanized Steel, Add	26.49	
	For High Strength Steel (HSS), Add	13.25	
05 12 23 00-0532	LF 8" x 6" x 3/4" Thick, Plain Steel Angle Iron.....	78.04	20.78
	For >100 To 250, Deduct	-3.34	
	For >250 To 500, Deduct	-5.29	
	For >500 To 1,000, Deduct	-7.93	
	For >1,000, Deduct	-10.58	
	For 316 Stainless Steel, Add	161.06	
	For Aluminum, Add	9.06	
	For Galvanized Steel, Add	31.20	
	For High Strength Steel (HSS), Add	15.61	
05 12 23 00-0533	LF 8" x 8" x 3/4" Thick, Plain Steel Angle Iron.....	89.80	23.92
	For >100 To 250, Deduct	-3.84	
	For >250 To 500, Deduct	-6.08	
	For >500 To 1,000, Deduct	-9.13	
	For >1,000, Deduct	-12.17	
	For 316 Stainless Steel, Add	185.31	
	For Aluminum, Add	10.42	
	For Galvanized Steel, Add	35.90	
	For High Strength Steel (HSS), Add	17.96	

05 12 23 00-0534 7/8" Thick (05 12 23 00-0423)

05 12 23 00-0535	LF 5" x 5" x 7/8" Thick, Plain Steel Angle Iron.....	61.29	15.60
	For >100 To 250, Deduct	-2.57	
	For >250 To 500, Deduct	-4.11	
	For >500 To 1,000, Deduct	-6.16	
	For >1,000, Deduct	-8.21	
	For 316 Stainless Steel, Add	129.54	
	For Aluminum, Add	7.29	
	For Galvanized Steel, Add	25.10	
	For High Strength Steel (HSS), Add	12.26	
05 12 23 00-0536	LF 6" x 4" x 7/8" Thick, Plain Steel Angle Iron.....	61.29	15.60
	For >100 To 250, Deduct	-2.57	
	For >250 To 500, Deduct	-4.11	
	For >500 To 1,000, Deduct	-6.16	
	For >1,000, Deduct	-8.21	
	For 316 Stainless Steel, Add	129.54	
	For Aluminum, Add	7.29	
	For Galvanized Steel, Add	25.10	
	For High Strength Steel (HSS), Add	12.26	
05 12 23 00-0537	LF 6" x 6" x 7/8" Thick, Plain Steel Angle Iron.....	74.61	19.00
	For >100 To 250, Deduct	-3.13	
	For >250 To 500, Deduct	-5.00	
	For >500 To 1,000, Deduct	-7.50	
	For >1,000, Deduct	-9.99	
	For 316 Stainless Steel, Add	157.70	
	For Aluminum, Add	8.87	
	For Galvanized Steel, Add	30.55	
	For High Strength Steel (HSS), Add	14.92	
05 12 23 00-0538	LF 8" x 6" x 7/8" Thick, Plain Steel Angle Iron.....	88.13	22.44
	For >100 To 250, Deduct	-3.70	
	For >250 To 500, Deduct	-5.90	
	For >500 To 1,000, Deduct	-8.85	
	For >1,000, Deduct	-11.81	
	For 316 Stainless Steel, Add	186.27	
	For Aluminum, Add	10.48	
	For Galvanized Steel, Add	36.09	
	For High Strength Steel (HSS), Add	17.63	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0539	LF	8" x 8" x 7/8" Thick, Plain Steel Angle Iron	101.41	25.83
		For >100 To 250, Deduct	-4.26	
		For >250 To 500, Deduct	-6.79	
		For >500 To 1,000, Deduct	-10.19	
		For >1,000, Deduct	-13.58	
		For 316 Stainless Steel, Add	214.34	
		For Aluminum, Add	12.06	
		For Galvanized Steel, Add	41.53	
		For High Strength Steel (HSS), Add	20.28	
05 12 23 00-0540		Bar Channel (05 12 23 00-0422)		
05 12 23 00-0541	LF	1" x 1/2" x 1/8" Thick Bar Channel.....	5.07	
		For 304 Stainless Steel, Add	4.62	
		For 316 Stainless Steel, Add	5.18	
		For Aluminum, Add	0.29	
		For Galvanized Steel, Add	1.00	
		For High Strength Steel (HSS), Add	1.01	
05 12 23 00-0542	LF	1-1/4" x 1/2" x 1/8" Thick Bar Channel.....	5.69	
		For 304 Stainless Steel, Add	5.53	
		For 316 Stainless Steel, Add	6.21	
		For Aluminum, Add	0.35	
		For Galvanized Steel, Add	1.20	
		For High Strength Steel (HSS), Add	1.14	
05 12 23 00-0543	LF	1-1/2" x 1/2" x 1/8" Thick Bar Channel.....	6.21	
		For 304 Stainless Steel, Add	6.13	
		For 316 Stainless Steel, Add	6.88	
		For Aluminum, Add	0.39	
		For Galvanized Steel, Add	1.33	
		For High Strength Steel (HSS), Add	1.24	
05 12 23 00-0544	LF	1-1/2" x 3/4" x 1/8" Thick Bar Channel.....	7.10	
		For 304 Stainless Steel, Add	6.38	
		For 316 Stainless Steel, Add	7.17	
		For Aluminum, Add	0.40	
		For Galvanized Steel, Add	1.39	
		For High Strength Steel (HSS), Add	1.42	
05 12 23 00-0545	LF	2" x 1/2" x 1/8" Thick Bar Channel.....	7.60	
		For 304 Stainless Steel, Add	7.81	
		For 316 Stainless Steel, Add	8.77	
		For Aluminum, Add	0.49	
		For Galvanized Steel, Add	1.70	
05 12 23 00-0546	LF	2" x 1" x 1/8" Thick Bar Channel.....	9.99	
		For 304 Stainless Steel, Add	8.72	
		For 316 Stainless Steel, Add	9.79	
		For Aluminum, Add	0.55	
		For Galvanized Steel, Add	1.90	
05 12 23 00-0547		Channels - C (05 12 23 00-0422)		
05 12 23 00-0548	LF	C2 x 1.78 - 2" Wide Channel	8.30	4.28
		For >100 To 250, Deduct	-0.49	
		For >250 To 500, Deduct	-0.70	
		For >500 To 1,000, Deduct	-1.05	
		For >1,000, Deduct	-1.40	
		For 304 Stainless Steel, Add	7.41	
		For 316 Stainless Steel, Add	8.32	
		For Aluminum, Add	0.47	
		For Galvanized Steel, Add	1.61	
05 12 23 00-0549	LF	C3 x 4.1 - 3" Wide Channel	14.30	6.15
		For >100 To 250, Deduct	-0.77	
		For >250 To 500, Deduct	-1.13	
		For >500 To 1,000, Deduct	-1.69	
		For >1,000, Deduct	-2.25	
		For 304 Stainless Steel, Add	17.39	
		For 316 Stainless Steel, Add	19.52	
		For Aluminum, Add	1.10	
		For Galvanized Steel, Add	3.78	
05 12 23 00-0550	LF	C3 x 5 - 3" Wide Channel	17.44	7.50
		For >100 To 250, Deduct	-0.94	
		For >250 To 500, Deduct	-1.37	
		For >500 To 1,000, Deduct	-2.06	
		For >1,000, Deduct	-2.74	
		For 304 Stainless Steel, Add	21.20	
		For 316 Stainless Steel, Add	23.81	
		For Aluminum, Add	1.34	
		For Galvanized Steel, Add	4.61	
05 12 23 00-0551	LF	C3 x 6 - 3" Wide Channel	20.93	9.00
		For >100 To 250, Deduct	-1.12	
		For >250 To 500, Deduct	-1.65	
		For >500 To 1,000, Deduct	-2.47	
		For >1,000, Deduct	-3.29	
		For 304 Stainless Steel, Add	25.45	
		For 316 Stainless Steel, Add	28.58	
		For Aluminum, Add	1.61	
		For Galvanized Steel, Add	5.54	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 12 23 00-0552	LF	C4 x 5.4 - 4" Wide Channel.....	17.88	7.37
		For >100 To 250, Deduct	-0.94	
		For >250 To 500, Deduct	-1.39	
		For >500 To 1,000, Deduct	-2.08	
		For >1,000, Deduct	-2.77	
		For 304 Stainless Steel, Add	22.91	
		For 316 Stainless Steel, Add	25.73	
		For Aluminum, Add	1.45	
		For Galvanized Steel, Add	4.98	
05 12 23 00-0553	LF	C4 x 7.25 - 4" Wide Channel.....	24.00	9.90
		For >100 To 250, Deduct	-1.26	
		For >250 To 500, Deduct	-1.86	
		For >500 To 1,000, Deduct	-2.79	
		For >1,000, Deduct	-3.72	
		For 304 Stainless Steel, Add	30.75	
		For 316 Stainless Steel, Add	34.53	
		For Aluminum, Add	1.94	
		For Galvanized Steel, Add	6.69	
05 12 23 00-0554	LF	C5 x 6.7 - 5" Wide Channel.....	21.44	8.60
		For >100 To 250, Deduct	-1.11	
		For >250 To 500, Deduct	-1.65	
		For >500 To 1,000, Deduct	-2.47	
		For >1,000, Deduct	-3.29	
		For 304 Stainless Steel, Add	28.41	
		For 316 Stainless Steel, Add	31.90	
		For Aluminum, Add	1.79	
		For Galvanized Steel, Add	6.18	
05 12 23 00-0555	LF	C5 x 9 - 5" Wide Channel.....	28.81	11.56
		For >100 To 250, Deduct	-1.49	
		For >250 To 500, Deduct	-2.21	
		For >500 To 1,000, Deduct	-3.32	
		For >1,000, Deduct	-4.42	
		For 304 Stainless Steel, Add	38.19	
		For 316 Stainless Steel, Add	42.88	
		For Aluminum, Add	2.41	
		For Galvanized Steel, Add	8.31	
05 12 23 00-0556	LF	C6 x 8.2 - 6" Wide Channel.....	25.98	10.33
		For >100 To 250, Deduct	-1.34	
		For >250 To 500, Deduct	-1.99	
		For >500 To 1,000, Deduct	-2.98	
		For >1,000, Deduct	-3.98	
		For 304 Stainless Steel, Add	34.80	
		For 316 Stainless Steel, Add	39.07	
		For Aluminum, Add	2.20	
		For Galvanized Steel, Add	7.57	
05 12 23 00-0557	LF	C6 x 10.5 - 6" Wide Channel.....	33.26	13.23
		For >100 To 250, Deduct	-1.71	
		For >250 To 500, Deduct	-2.54	
		For >500 To 1,000, Deduct	-3.82	
		For >1,000, Deduct	-5.09	
		For 304 Stainless Steel, Add	44.55	
		For 316 Stainless Steel, Add	50.02	
		For Aluminum, Add	2.81	
		For Galvanized Steel, Add	9.69	
05 12 23 00-0558	LF	C6 x 13 - 6" Wide Channel.....	41.19	16.37
		For >100 To 250, Deduct	-2.12	
		For >250 To 500, Deduct	-3.15	
		For >500 To 1,000, Deduct	-4.73	
		For >1,000, Deduct	-6.30	
		For 304 Stainless Steel, Add	55.15	
		For 316 Stainless Steel, Add	61.92	
		For Aluminum, Add	3.48	
		For Galvanized Steel, Add	12.00	
05 12 23 00-0559	LF	C7 x 9.8 - 7" Wide Channel.....	30.99	12.30
		For >100 To 250, Deduct	-1.59	
		For >250 To 500, Deduct	-2.37	
		For >500 To 1,000, Deduct	-3.55	
		For >1,000, Deduct	-4.74	
		For 304 Stainless Steel, Add	41.58	
		For 316 Stainless Steel, Add	46.69	
		For Aluminum, Add	2.63	
		For Galvanized Steel, Add	9.05	
05 12 23 00-0560	LF	C7 x 12.25 - 7" Wide Channel.....	38.72	15.37
		For >100 To 250, Deduct	-1.99	
		For >250 To 500, Deduct	-2.96	
		For >500 To 1,000, Deduct	-4.44	
		For >1,000, Deduct	-5.92	
		For 304 Stainless Steel, Add	51.96	
		For 316 Stainless Steel, Add	58.34	
		For Aluminum, Add	3.28	
		For Galvanized Steel, Add	11.30	
05 12 23 00-0561	LF	C7 x 14.75 - 7" Wide Channel.....	46.63	18.51
		For >100 To 250, Deduct	-2.40	
		For >250 To 500, Deduct	-3.57	
		For >500 To 1,000, Deduct	-5.35	
		For >1,000, Deduct	-7.13	
		For 304 Stainless Steel, Add	62.56	
		For 316 Stainless Steel, Add	70.24	
		For Aluminum, Add	3.95	
		For Galvanized Steel, Add	13.61	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0562	LF		C8 x 11.5 - 8" Wide Channel	35.16	13.53
			For >100 To 250, Deduct	-1.78	
			For >250 To 500, Deduct	-2.66	
			For >500 To 1,000, Deduct	-3.99	
			For >1,000, Deduct	-5.32	
			For 304 Stainless Steel, Add	48.79	
			For 316 Stainless Steel, Add	54.78	
			For Aluminum, Add	3.08	
			For Galvanized Steel, Add	10.61	
05 12 23 00-0563	LF		C8 x 13.75 - 8" Wide Channel	42.04	16.18
			For >100 To 250, Deduct	-2.13	
			For >250 To 500, Deduct	-3.18	
			For >500 To 1,000, Deduct	-4.77	
			For >1,000, Deduct	-6.36	
			For 304 Stainless Steel, Add	58.34	
			For 316 Stainless Steel, Add	65.50	
			For Aluminum, Add	3.68	
			For Galvanized Steel, Add	12.69	
05 12 23 00-0564	LF		C8 x 18.75 - 8" Wide Channel	57.32	22.06
			For >100 To 250, Deduct	-2.90	
			For >250 To 500, Deduct	-4.34	
			For >500 To 1,000, Deduct	-6.50	
			For >1,000, Deduct	-8.67	
			For 304 Stainless Steel, Add	79.54	
			For 316 Stainless Steel, Add	89.31	
			For Aluminum, Add	5.02	
			For Galvanized Steel, Add	17.30	
05 12 23 00-0565	LF		C9 x 13.4 - 9" Wide Channel	40.97	15.77
			For >100 To 250, Deduct	-2.08	
			For >250 To 500, Deduct	-3.10	
			For >500 To 1,000, Deduct	-4.65	
			For >1,000, Deduct	-6.20	
			For 304 Stainless Steel, Add	56.86	
			For 316 Stainless Steel, Add	63.84	
			For Aluminum, Add	3.59	
			For Galvanized Steel, Add	12.37	
05 12 23 00-0566	LF		C9 x 15 - 9" Wide Channel	45.85	17.64
			For >100 To 250, Deduct	-2.32	
			For >250 To 500, Deduct	-3.47	
			For >500 To 1,000, Deduct	-5.20	
			For >1,000, Deduct	-6.94	
			For 304 Stainless Steel, Add	63.64	
			For 316 Stainless Steel, Add	71.46	
			For Aluminum, Add	4.02	
			For Galvanized Steel, Add	13.84	
05 12 23 00-0567	LF		C9 x 20 - 9" Wide Channel	61.14	23.52
			For >100 To 250, Deduct	-3.10	
			For >250 To 500, Deduct	-4.63	
			For >500 To 1,000, Deduct	-6.94	
			For >1,000, Deduct	-9.25	
			For 304 Stainless Steel, Add	84.84	
			For 316 Stainless Steel, Add	95.26	
			For Aluminum, Add	5.36	
			For Galvanized Steel, Add	18.46	
05 12 23 00-0568	LF		C10 x 15.3 - 10" Wide Channel	46.77	17.99
			For >100 To 250, Deduct	-2.37	
			For >250 To 500, Deduct	-3.54	
			For >500 To 1,000, Deduct	-5.31	
			For >1,000, Deduct	-7.08	
			For 304 Stainless Steel, Add	64.89	
			For 316 Stainless Steel, Add	72.86	
			For Aluminum, Add	4.10	
			For Galvanized Steel, Add	14.12	
05 12 23 00-0569	LF		C10 x 20 - 10" Wide Channel	61.14	23.52
			For >100 To 250, Deduct	-3.10	
			For >250 To 500, Deduct	-4.63	
			For >500 To 1,000, Deduct	-6.94	
			For >1,000, Deduct	-9.25	
			For 304 Stainless Steel, Add	84.84	
			For 316 Stainless Steel, Add	95.26	
			For Aluminum, Add	5.36	
			For Galvanized Steel, Add	18.46	
05 12 23 00-0570	LF		C10 x 25 - 10" Wide Channel	76.42	29.41
			For >100 To 250, Deduct	-3.87	
			For >250 To 500, Deduct	-5.78	
			For >500 To 1,000, Deduct	-8.67	
			For >1,000, Deduct	-11.56	
			For 304 Stainless Steel, Add	106.05	
			For 316 Stainless Steel, Add	119.07	
			For Aluminum, Add	6.70	
			For Galvanized Steel, Add	23.07	
05 12 23 00-0571	LF		C10 x 30 - 10" Wide Channel	91.70	35.28
			For >100 To 250, Deduct	-4.65	
			For >250 To 500, Deduct	-6.94	
			For >500 To 1,000, Deduct	-10.41	
			For >1,000, Deduct	-13.88	
			For 304 Stainless Steel, Add	127.25	
			For 316 Stainless Steel, Add	142.88	
			For Aluminum, Add	8.04	
			For Galvanized Steel, Add	27.68	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 12 23 00-0572	LF	C12 x 20.7 - 12" Wide Channel.....	63.28	24.35
		For >100 To 250, Deduct	-3.21	
		For >250 To 500, Deduct	-4.79	
		For >500 To 1,000, Deduct	-7.18	
		For >1,000, Deduct	-9.58	
		For 304 Stainless Steel, Add	87.81	
		For 316 Stainless Steel, Add	98.59	
		For Aluminum, Add	5.55	
		For Galvanized Steel, Add	19.10	
05 12 23 00-0573	LF	C12 x 25 - 12" Wide Channel.....	76.42	29.41
		For >100 To 250, Deduct	-3.87	
		For >250 To 500, Deduct	-5.78	
		For >500 To 1,000, Deduct	-8.67	
		For >1,000, Deduct	-11.56	
		For 304 Stainless Steel, Add	106.05	
		For 316 Stainless Steel, Add	119.07	
		For Aluminum, Add	6.70	
		For Galvanized Steel, Add	23.07	
05 12 23 00-0574	LF	C12 x 30 - 12" Wide Channel.....	91.70	35.28
		For >100 To 250, Deduct	-4.65	
		For >250 To 500, Deduct	-6.94	
		For >500 To 1,000, Deduct	-10.41	
		For >1,000, Deduct	-13.88	
		For 304 Stainless Steel, Add	127.25	
		For 316 Stainless Steel, Add	142.88	
		For Aluminum, Add	8.04	
		For Galvanized Steel, Add	27.68	
05 12 23 00-0575	LF	C15 x 33.9 - 15" Wide Channel.....	103.63	39.87
		For >100 To 250, Deduct	-5.25	
		For >250 To 500, Deduct	-7.84	
		For >500 To 1,000, Deduct	-11.76	
		For >1,000, Deduct	-15.68	
		For 304 Stainless Steel, Add	143.81	
		For 316 Stainless Steel, Add	161.47	
		For Aluminum, Add	9.08	
		For Galvanized Steel, Add	31.29	
05 12 23 00-0576	LF	C15 x 40 - 15" Wide Channel.....	122.27	47.05
		For >100 To 250, Deduct	-6.19	
		For >250 To 500, Deduct	-9.25	
		For >500 To 1,000, Deduct	-13.88	
		For >1,000, Deduct	-18.50	
		For 304 Stainless Steel, Add	169.69	
		For 316 Stainless Steel, Add	190.53	
		For Aluminum, Add	10.72	
		For Galvanized Steel, Add	36.91	
05 12 23 00-0577	LF	C15 x 50 - 15" Wide Channel.....	152.84	58.80
		For >100 To 250, Deduct	-7.74	
		For >250 To 500, Deduct	-11.56	
		For >500 To 1,000, Deduct	-17.34	
		For >1,000, Deduct	-23.13	
		For 304 Stainless Steel, Add	212.10	
		For 316 Stainless Steel, Add	238.14	
		For Aluminum, Add	13.40	
		For Galvanized Steel, Add	46.14	

05 12 23 00-0578 Miscellaneous Channels - MC (05 12 23 00-0422)

05 12 23 00-0579	LF	MC6 x 12 - 6" Wide Channel.....	38.02	15.12
		For >100 To 250, Deduct	-1.96	
		For >250 To 500, Deduct	-2.91	
		For >500 To 1,000, Deduct	-4.36	
		For >1,000, Deduct	-5.82	
		For 304 Stainless Steel, Add	50.90	
		For 316 Stainless Steel, Add	57.15	
		For Aluminum, Add	3.21	
		For Galvanized Steel, Add	11.07	
05 12 23 00-0580	LF	MC6 x 15.1 - 6" Wide Channel.....	47.84	19.02
		For >100 To 250, Deduct	-2.46	
		For >250 To 500, Deduct	-3.66	
		For >500 To 1,000, Deduct	-5.49	
		For >1,000, Deduct	-7.32	
		For 304 Stainless Steel, Add	64.07	
		For 316 Stainless Steel, Add	71.94	
		For Aluminum, Add	4.05	
		For Galvanized Steel, Add	13.94	
05 12 23 00-0581	LF	MC6 x 15.3 - 6" Wide Channel.....	48.47	19.27
		For >100 To 250, Deduct	-2.50	
		For >250 To 500, Deduct	-3.71	
		For >500 To 1,000, Deduct	-5.56	
		For >1,000, Deduct	-7.42	
		For 304 Stainless Steel, Add	64.89	
		For 316 Stainless Steel, Add	72.86	
		For Aluminum, Add	4.10	
		For Galvanized Steel, Add	14.12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0582	LF		MC6 x 16.3 - 6" Wide Channel	51.64	20.53
			For >100 To 250, Deduct	-2.66	
			For >250 To 500, Deduct	-3.95	
			For >500 To 1,000, Deduct	-5.93	
			For >1,000, Deduct	-7.90	
			For 304 Stainless Steel, Add	69.14	
			For 316 Stainless Steel, Add	77.63	
			For Aluminum, Add	4.37	
			For Galvanized Steel, Add	15.04	
05 12 23 00-0583	LF		MC6 x 18 - 6" Wide Channel	57.02	22.67
			For >100 To 250, Deduct	-2.94	
			For >250 To 500, Deduct	-4.36	
			For >500 To 1,000, Deduct	-6.54	
			For >1,000, Deduct	-8.73	
			For 304 Stainless Steel, Add	76.35	
			For 316 Stainless Steel, Add	85.73	
			For Aluminum, Add	4.82	
			For Galvanized Steel, Add	16.61	
05 12 23 00-0584	LF		MC7 x 17.6 - 7" Wide Channel	55.65	22.09
			For >100 To 250, Deduct	-2.86	
			For >250 To 500, Deduct	-4.26	
			For >500 To 1,000, Deduct	-6.38	
			For >1,000, Deduct	-8.51	
			For 304 Stainless Steel, Add	74.67	
			For 316 Stainless Steel, Add	83.84	
			For Aluminum, Add	4.72	
			For Galvanized Steel, Add	16.24	
05 12 23 00-0585	LF		MC7 x 19.1 - 7" Wide Channel	60.40	23.97
			For >100 To 250, Deduct	-3.11	
			For >250 To 500, Deduct	-4.62	
			For >500 To 1,000, Deduct	-6.93	
			For >1,000, Deduct	-9.24	
			For 304 Stainless Steel, Add	81.03	
			For 316 Stainless Steel, Add	90.98	
			For Aluminum, Add	5.12	
			For Galvanized Steel, Add	17.63	
05 12 23 00-0586	LF		MC7 x 22.7 - 7" Wide Channel	71.77	28.49
			For >100 To 250, Deduct	-3.69	
			For >250 To 500, Deduct	-5.49	
			For >500 To 1,000, Deduct	-8.23	
			For >1,000, Deduct	-10.98	
			For 304 Stainless Steel, Add	96.30	
			For 316 Stainless Steel, Add	108.13	
			For Aluminum, Add	6.08	
			For Galvanized Steel, Add	20.95	
05 12 23 00-0587	LF		MC8 x 8.5 - 8" Wide Channel	25.99	10.00
			For >100 To 250, Deduct	-1.32	
			For >250 To 500, Deduct	-1.97	
			For >500 To 1,000, Deduct	-2.95	
			For >1,000, Deduct	-3.93	
			For 304 Stainless Steel, Add	36.05	
			For 316 Stainless Steel, Add	40.48	
			For Aluminum, Add	2.28	
			For Galvanized Steel, Add	7.84	
05 12 23 00-0588	LF		MC8 x 18.7 - 8" Wide Channel	57.16	21.99
			For >100 To 250, Deduct	-2.90	
			For >250 To 500, Deduct	-4.32	
			For >500 To 1,000, Deduct	-6.49	
			For >1,000, Deduct	-8.65	
			For 304 Stainless Steel, Add	79.32	
			For 316 Stainless Steel, Add	89.06	
			For Aluminum, Add	5.01	
			For Galvanized Steel, Add	17.25	
05 12 23 00-0589	LF		MC8 x 20 - 8" Wide Channel	61.14	23.52
			For >100 To 250, Deduct	-3.10	
			For >250 To 500, Deduct	-4.63	
			For >500 To 1,000, Deduct	-6.94	
			For >1,000, Deduct	-9.25	
			For 304 Stainless Steel, Add	84.84	
			For 316 Stainless Steel, Add	95.26	
			For Aluminum, Add	5.36	
			For Galvanized Steel, Add	18.46	
05 12 23 00-0590	LF		MC8 x 21.4 - 8" Wide Channel	65.42	25.18
			For >100 To 250, Deduct	-3.31	
			For >250 To 500, Deduct	-4.95	
			For >500 To 1,000, Deduct	-7.42	
			For >1,000, Deduct	-9.90	
			For 304 Stainless Steel, Add	90.77	
			For 316 Stainless Steel, Add	101.92	
			For Aluminum, Add	5.73	
			For Galvanized Steel, Add	19.75	
05 12 23 00-0591	LF		MC8 x 22.8 - 8" Wide Channel	69.69	26.83
			For >100 To 250, Deduct	-3.53	
			For >250 To 500, Deduct	-5.27	
			For >500 To 1,000, Deduct	-7.91	
			For >1,000, Deduct	-10.54	
			For 304 Stainless Steel, Add	96.73	
			For 316 Stainless Steel, Add	108.61	
			For Aluminum, Add	6.11	
			For Galvanized Steel, Add	21.04	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 12 23 00-0592	LF	MC9 x 23.9 - 9" Wide Channel.....	73.06	28.12
		For >100 To 250, Deduct	-3.70	
		For >250 To 500, Deduct	-5.53	
		For >500 To 1,000, Deduct	-8.29	
		For >1,000, Deduct	-11.06	
		For 304 Stainless Steel, Add	101.37	
		For 316 Stainless Steel, Add	113.82	
		For Aluminum, Add	6.40	
		For Galvanized Steel, Add	22.05	
05 12 23 00-0593	LF	MC9 x 25.4 - 9" Wide Channel.....	77.64	29.87
		For >100 To 250, Deduct	-3.93	
		For >250 To 500, Deduct	-5.87	
		For >500 To 1,000, Deduct	-8.81	
		For >1,000, Deduct	-11.75	
		For 304 Stainless Steel, Add	107.76	
		For 316 Stainless Steel, Add	120.99	
		For Aluminum, Add	6.81	
		For Galvanized Steel, Add	23.44	
05 12 23 00-0594	LF	MC10 x 6.5 - 10" Wide Channel.....	19.87	7.64
		For >100 To 250, Deduct	-1.01	
		For >250 To 500, Deduct	-1.50	
		For >500 To 1,000, Deduct	-2.26	
		For >1,000, Deduct	-3.01	
		For 304 Stainless Steel, Add	27.56	
		For 316 Stainless Steel, Add	30.94	
		For Aluminum, Add	1.74	
		For Galvanized Steel, Add	6.00	
05 12 23 00-0595	LF	MC10 x 8.4 - 10" Wide Channel.....	25.67	9.88
		For >100 To 250, Deduct	-1.30	
		For >250 To 500, Deduct	-1.94	
		For >500 To 1,000, Deduct	-2.91	
		For >1,000, Deduct	-3.88	
		For 304 Stainless Steel, Add	35.63	
		For 316 Stainless Steel, Add	40.00	
		For Aluminum, Add	2.25	
		For Galvanized Steel, Add	7.75	
05 12 23 00-0596	LF	MC10 x 21.9 - 10" Wide Channel.....	66.94	25.76
		For >100 To 250, Deduct	-3.39	
		For >250 To 500, Deduct	-5.06	
		For >500 To 1,000, Deduct	-7.60	
		For >1,000, Deduct	-10.13	
		For 304 Stainless Steel, Add	92.91	
		For 316 Stainless Steel, Add	104.32	
		For Aluminum, Add	5.87	
		For Galvanized Steel, Add	20.21	
05 12 23 00-0597	LF	MC10 x 24.9 - 10" Wide Channel.....	76.12	29.30
		For >100 To 250, Deduct	-3.86	
		For >250 To 500, Deduct	-5.76	
		For >500 To 1,000, Deduct	-8.64	
		For >1,000, Deduct	-11.52	
		For 304 Stainless Steel, Add	105.62	
		For 316 Stainless Steel, Add	118.59	
		For Aluminum, Add	6.67	
		For Galvanized Steel, Add	22.98	
05 12 23 00-0598	LF	MC10 x 25.3 - 10" Wide Channel.....	77.34	29.77
		For >100 To 250, Deduct	-3.92	
		For >250 To 500, Deduct	-5.85	
		For >500 To 1,000, Deduct	-8.78	
		For >1,000, Deduct	-11.70	
		For 304 Stainless Steel, Add	107.33	
		For 316 Stainless Steel, Add	120.51	
		For Aluminum, Add	6.78	
		For Galvanized Steel, Add	23.35	
05 12 23 00-0599	LF	MC10 x 28.3 - 10" Wide Channel.....	86.51	33.28
		For >100 To 250, Deduct	-4.38	
		For >250 To 500, Deduct	-6.55	
		For >500 To 1,000, Deduct	-9.82	
		For >1,000, Deduct	-13.09	
		For 304 Stainless Steel, Add	120.04	
		For 316 Stainless Steel, Add	134.78	
		For Aluminum, Add	7.58	
		For Galvanized Steel, Add	26.11	
05 12 23 00-0600	LF	MC10 x 28.5 - 10" Wide Channel.....	87.12	33.53
		For >100 To 250, Deduct	-4.41	
		For >250 To 500, Deduct	-6.59	
		For >500 To 1,000, Deduct	-9.89	
		For >1,000, Deduct	-13.18	
		For 304 Stainless Steel, Add	120.90	
		For 316 Stainless Steel, Add	135.74	
		For Aluminum, Add	7.64	
		For Galvanized Steel, Add	26.30	
05 12 23 00-0601	LF	MC10 x 33.6 - 10" Wide Channel.....	102.71	39.52
		For >100 To 250, Deduct	-5.20	
		For >250 To 500, Deduct	-7.77	
		For >500 To 1,000, Deduct	-11.66	
		For >1,000, Deduct	-15.54	
		For 304 Stainless Steel, Add	142.53	
		For 316 Stainless Steel, Add	160.03	
		For Aluminum, Add	9.00	
		For Galvanized Steel, Add	31.01	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0602	LF		MC10 x 41.1 - 10" Wide Channel	125.63	48.35
			For >100 To 250, Deduct	-6.36	
			For >250 To 500, Deduct	-9.50	
			For >500 To 1,000, Deduct	-14.26	
			For >1,000, Deduct	-19.01	
			For 304 Stainless Steel, Add	174.36	
			For 316 Stainless Steel, Add	195.78	
			For Aluminum, Add	11.01	
			For Galvanized Steel, Add	37.93	
05 12 23 00-0603	LF		MC12 x 30.9 - 12" Wide Channel	94.46	36.35
			For >100 To 250, Deduct	-4.79	
			For >250 To 500, Deduct	-7.15	
			For >500 To 1,000, Deduct	-10.72	
			For >1,000, Deduct	-14.29	
			For 304 Stainless Steel, Add	131.07	
			For 316 Stainless Steel, Add	147.17	
			For Aluminum, Add	8.28	
			For Galvanized Steel, Add	28.51	
05 12 23 00-0604	LF		MC12 x 32.9 - 12" Wide Channel	100.57	38.69
			For >100 To 250, Deduct	-5.09	
			For >250 To 500, Deduct	-7.61	
			For >500 To 1,000, Deduct	-11.41	
			For >1,000, Deduct	-15.22	
			For 304 Stainless Steel, Add	139.56	
			For 316 Stainless Steel, Add	156.70	
			For Aluminum, Add	8.81	
			For Galvanized Steel, Add	30.36	
05 12 23 00-0605	LF		MC12 x 35 - 12" Wide Channel	106.99	41.16
			For >100 To 250, Deduct	-5.42	
			For >250 To 500, Deduct	-8.09	
			For >500 To 1,000, Deduct	-12.14	
			For >1,000, Deduct	-16.19	
			For 304 Stainless Steel, Add	148.49	
			For 316 Stainless Steel, Add	166.72	
			For Aluminum, Add	9.38	
			For Galvanized Steel, Add	32.30	
05 12 23 00-0606	LF		MC12 x 37 - 12" Wide Channel	113.10	43.53
			For >100 To 250, Deduct	-5.73	
			For >250 To 500, Deduct	-8.56	
			For >500 To 1,000, Deduct	-12.83	
			For >1,000, Deduct	-17.11	
			For 304 Stainless Steel, Add	156.95	
			For 316 Stainless Steel, Add	176.22	
			For Aluminum, Add	9.91	
			For Galvanized Steel, Add	34.14	
05 12 23 00-0607	LF		MC12 x 40 - 12" Wide Channel	122.27	47.05
			For >100 To 250, Deduct	-6.19	
			For >250 To 500, Deduct	-9.25	
			For >500 To 1,000, Deduct	-13.88	
			For >1,000, Deduct	-18.50	
			For 304 Stainless Steel, Add	169.69	
			For 316 Stainless Steel, Add	190.53	
			For Aluminum, Add	10.72	
			For Galvanized Steel, Add	36.91	
05 12 23 00-0608	LF		MC12 x 45 - 12" Wide Channel	137.56	52.94
			For >100 To 250, Deduct	-6.97	
			For >250 To 500, Deduct	-10.41	
			For >500 To 1,000, Deduct	-15.61	
			For >1,000, Deduct	-20.81	
			For 304 Stainless Steel, Add	190.89	
			For 316 Stainless Steel, Add	214.34	
			For Aluminum, Add	12.06	
			For Galvanized Steel, Add	41.53	
05 12 23 00-0609	LF		MC12 x 50 - 12" Wide Channel	152.84	58.82
			For >100 To 250, Deduct	-7.74	
			For >250 To 500, Deduct	-11.56	
			For >500 To 1,000, Deduct	-17.34	
			For >1,000, Deduct	-23.13	
			For 304 Stainless Steel, Add	212.10	
			For 316 Stainless Steel, Add	238.14	
			For Aluminum, Add	13.40	
			For Galvanized Steel, Add	46.14	
05 12 23 00-0610	LF		MC13 x 31.8 - 13" Wide Channel	97.21	37.41
			For >100 To 250, Deduct	-4.92	
			For >250 To 500, Deduct	-7.35	
			For >500 To 1,000, Deduct	-11.03	
			For >1,000, Deduct	-14.71	
			For 304 Stainless Steel, Add	134.89	
			For 316 Stainless Steel, Add	151.46	
			For Aluminum, Add	8.52	
			For Galvanized Steel, Add	29.34	
05 12 23 00-0611	LF		MC13 x 35 - 13" Wide Channel	106.99	41.16
			For >100 To 250, Deduct	-5.42	
			For >250 To 500, Deduct	-8.09	
			For >500 To 1,000, Deduct	-12.14	
			For >1,000, Deduct	-16.19	
			For 304 Stainless Steel, Add	148.49	
			For 316 Stainless Steel, Add	166.72	
			For Aluminum, Add	9.38	
			For Galvanized Steel, Add	32.30	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 12 23 00-0612	LF	MC13 x 40 - 13" Wide Channel.....	122.27	47.05
		For >100 To 250, Deduct	-6.19	
		For >250 To 500, Deduct	-9.25	
		For >500 To 1,000, Deduct	-13.88	
		For >1,000, Deduct	-18.50	
		For 304 Stainless Steel, Add	169.69	
		For 316 Stainless Steel, Add	190.53	
		For Aluminum, Add	10.72	
		For Galvanized Steel, Add	36.91	
05 12 23 00-0613	LF	MC13 x 50 - 13" Wide Channel.....	152.84	58.82
		For >100 To 250, Deduct	-7.74	
		For >250 To 500, Deduct	-11.56	
		For >500 To 1,000, Deduct	-17.34	
		For >1,000, Deduct	-23.13	
		For 304 Stainless Steel, Add	212.10	
		For 316 Stainless Steel, Add	238.14	
		For Aluminum, Add	13.40	
		For Galvanized Steel, Add	46.14	
05 12 23 00-0614	LF	MC18 x 42.7 - 18" Wide Channel.....	130.53	50.23
		For >100 To 250, Deduct	-6.61	
		For >250 To 500, Deduct	-9.88	
		For >500 To 1,000, Deduct	-14.81	
		For >1,000, Deduct	-19.75	
		For 304 Stainless Steel, Add	181.15	
		For 316 Stainless Steel, Add	203.39	
		For Aluminum, Add	11.44	
		For Galvanized Steel, Add	39.41	
05 12 23 00-0615	LF	MC18 x 45.8 - 18" Wide Channel.....	140.00	53.88
		For >100 To 250, Deduct	-7.09	
		For >250 To 500, Deduct	-10.59	
		For >500 To 1,000, Deduct	-15.89	
		For >1,000, Deduct	-21.18	
		For 304 Stainless Steel, Add	194.28	
		For 316 Stainless Steel, Add	218.14	
		For Aluminum, Add	12.27	
		For Galvanized Steel, Add	42.27	
05 12 23 00-0616	LF	MC18 x 51.9 - 18" Wide Channel.....	158.65	61.05
		For >100 To 250, Deduct	-8.04	
		For >250 To 500, Deduct	-12.00	
		For >500 To 1,000, Deduct	-18.00	
		For >1,000, Deduct	-24.01	
		For 304 Stainless Steel, Add	220.16	
		For 316 Stainless Steel, Add	247.20	
		For Aluminum, Add	13.91	
		For Galvanized Steel, Add	47.90	
05 12 23 00-0617	LF	MC18 x 58 - 18" Wide Channel.....	177.30	68.22
		For >100 To 250, Deduct	-8.98	
		For >250 To 500, Deduct	-13.41	
		For >500 To 1,000, Deduct	-20.12	
		For >1,000, Deduct	-26.83	
		For 304 Stainless Steel, Add	246.04	
		For 316 Stainless Steel, Add	276.26	
		For Aluminum, Add	15.54	
		For Galvanized Steel, Add	53.52	

05 12 23 00-0618 Structural Bar Tees (05 12 23 00-0422)

05 12 23 00-0619	LF	3/4" x 3/4" x 1/8" Structural Bar Tee	5.37	3.13
		For >100 To 250, Deduct	-0.34	
		For >250 To 500, Deduct	-0.48	
		For >500 To 1,000, Deduct	-0.72	
		For >1,000, Deduct	-0.95	
		For 304 Stainless Steel, Add	3.42	
		For 316 Stainless Steel, Add	3.84	
		For Aluminum, Add	0.22	
		For Galvanized Steel, Add	0.74	
05 12 23 00-0620	LF	1" x 1" x 1/8" Structural Bar Tee	6.57	3.69
		For >100 To 250, Deduct	-0.41	
		For >250 To 500, Deduct	-0.57	
		For >500 To 1,000, Deduct	-0.86	
		For >1,000, Deduct	-1.15	
		For 304 Stainless Steel, Add	4.70	
		For 316 Stainless Steel, Add	5.28	
		For Aluminum, Add	0.30	
		For Galvanized Steel, Add	1.02	
05 12 23 00-0621	LF	1-1/2" x 1-1/2" x 1/4" Structural Bar Tee	10.40	4.26
		For >100 To 250, Deduct	-0.54	
		For >250 To 500, Deduct	-0.80	
		For >500 To 1,000, Deduct	-1.21	
		For >1,000, Deduct	-1.61	
		For 304 Stainless Steel, Add	13.45	
		For 316 Stainless Steel, Add	15.10	
		For Aluminum, Add	0.85	
		For Galvanized Steel, Add	2.93	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0622	LF	2" x 2" x 1/4" Structural Bar Tee	14.46	5.57	
		For >100 To 250, Deduct	-0.73		
		For >250 To 500, Deduct	-1.09		
		For >500 To 1,000, Deduct	-1.64		
		For >1,000, Deduct	-2.19		
		For 304 Stainless Steel, Add	20.04		
		For 316 Stainless Steel, Add	22.50		
		For Aluminum, Add	1.27		
		For Galvanized Steel, Add	4.36		
05 12 23 00-0623	LF	2-1/2" x 2-1/2" x 3/8" Structural Bar Tee	21.59	6.72	
		For >100 To 250, Deduct	-0.99		
		For >250 To 500, Deduct	-1.53		
		For >500 To 1,000, Deduct	-2.29		
		For >1,000, Deduct	-3.06		
		For 304 Stainless Steel, Add	35.97		
		For 316 Stainless Steel, Add	40.38		
		For Aluminum, Add	2.27		
		For Galvanized Steel, Add	7.82		
05 12 23 00-0624	LF	3" x 3" x 3/8" Structural Bar Tee	26.62	8.60	
		For >100 To 250, Deduct	-1.24		
		For >250 To 500, Deduct	-1.90		
		For >500 To 1,000, Deduct	-2.86		
		For >1,000, Deduct	-3.81		
		For 304 Stainless Steel, Add	43.18		
		For 316 Stainless Steel, Add	48.48		
		For Aluminum, Add	2.73		
		For Galvanized Steel, Add	9.39		
05 12 23 00-0625 Structural Zees (05 12 23 00-0422)					
05 12 23 00-0626	LF	1-1/4" x 1-3/4" x 1-3/4" x 3/16" Structural Zee	12.72	4.26	
		For >100 To 250, Deduct	-0.60		
		For >250 To 500, Deduct	-0.92		
		For >500 To 1,000, Deduct	-1.38		
		For >1,000, Deduct	-1.84		
		For 304 Stainless Steel, Add	20.06		
		For 316 Stainless Steel, Add	22.53		
		For Aluminum, Add	1.27		
		For Galvanized Steel, Add	4.36		
05 12 23 00-0627	LF	2-11/16" x 3" x 2-11/16" x 1/4" Structural Zee.....	23.61	5.08	
		For >100 To 250, Deduct	-0.93		
		For >250 To 500, Deduct	-1.52		
		For >500 To 1,000, Deduct	-2.28		
		For >1,000, Deduct	-3.04		
		For 304 Stainless Steel, Add	47.99		
		For 316 Stainless Steel, Add	53.89		
		For Aluminum, Add	3.03		
		For Galvanized Steel, Add	10.44		
05 12 23 00-0628	LF	3-1/16" x 4" x 3-1/16" x 1/4" Structural Zee.....	28.26	5.74	
		For >100 To 250, Deduct	-1.09		
		For >250 To 500, Deduct	-1.80		
		For >500 To 1,000, Deduct	-2.69		
		For >1,000, Deduct	-3.59		
		For 304 Stainless Steel, Add	58.74		
		For 316 Stainless Steel, Add	65.95		
		For Aluminum, Add	3.71		
		For Galvanized Steel, Add	12.78		
05 12 23 00-0629	LF	3-1/4" x 5" x 3-1/4" x 5/16" Structural Zee.....	37.89	6.56	
		For >100 To 250, Deduct	-1.38		
		For >250 To 500, Deduct	-2.33		
		For >500 To 1,000, Deduct	-3.50		
		For >1,000, Deduct	-4.66		
		For 304 Stainless Steel, Add	83.08		
		For 316 Stainless Steel, Add	93.28		
		For Aluminum, Add	5.25		
		For Galvanized Steel, Add	18.07		
05 12 23 00-0630	LF	3-1/2" x 6" x 3-1/2" x 3/8" Structural Zee.....	48.97	7.13	
		For >100 To 250, Deduct	-1.70		
		For >250 To 500, Deduct	-2.92		
		For >500 To 1,000, Deduct	-4.39		
		For >1,000, Deduct	-5.85		
		For 304 Stainless Steel, Add	112.46		
		For 316 Stainless Steel, Add	126.27		
		For Aluminum, Add	7.10		
		For Galvanized Steel, Add	24.47		
05 12 23 00-0631 Junior I-Beams (05 12 23 00-0422)					
05 12 23 00-0632	LF	3" Junior I-Beam, 2.9 Lb./LF	17.48	6.15	
		For >100 To 250, Deduct	-0.85		
		For >250 To 500, Deduct	-1.28		
		For >500 To 1,000, Deduct	-1.93		
		For >1,000, Deduct	-2.57		
		For 304 Stainless Steel, Add	26.45		
		For 316 Stainless Steel, Add	29.70		
		For Aluminum, Add	1.67		
		For Galvanized Steel, Add	5.75		

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 12 23 00-0633	LF	4" Junior I-Beam, 3.2 Lb./LF	19.21	6.72
		For >100 To 250, Deduct	-0.93	
		For >250 To 500, Deduct	-1.41	
		For >500 To 1,000, Deduct	-2.11	
		For >1,000, Deduct	-2.82	
		For 304 Stainless Steel, Add	29.18	
		For 316 Stainless Steel, Add	32.77	
		For Aluminum, Add	1.84	
		For Galvanized Steel, Add	6.35	
05 12 23 00-0634	LF	5" Junior I-Beam, 3.8 Lb./LF	21.98	7.37
		For >100 To 250, Deduct	-1.04	
		For >250 To 500, Deduct	-1.59	
		For >500 To 1,000, Deduct	-2.39	
		For >1,000, Deduct	-3.18	
		For 304 Stainless Steel, Add	34.63	
		For 316 Stainless Steel, Add	38.88	
		For Aluminum, Add	2.19	
		For Galvanized Steel, Add	7.53	
05 12 23 00-0635	LF	6" Junior I-Beam, 4.4 Lb./LF	24.78	8.04
		For >100 To 250, Deduct	-1.16	
		For >250 To 500, Deduct	-1.77	
		For >500 To 1,000, Deduct	-2.66	
		For >1,000, Deduct	-3.55	
		For 304 Stainless Steel, Add	40.10	
		For 316 Stainless Steel, Add	45.02	
		For Aluminum, Add	2.53	
		For Galvanized Steel, Add	8.72	
05 12 23 00-0636	LF	7" Junior I-Beam, 5.5 Lb./LF	29.06	8.60
		For >100 To 250, Deduct	-1.30	
		For >250 To 500, Deduct	-2.03	
		For >500 To 1,000, Deduct	-3.04	
		For >1,000, Deduct	-4.05	
		For 304 Stainless Steel, Add	50.13	
		For 316 Stainless Steel, Add	56.29	
		For Aluminum, Add	3.17	
		For Galvanized Steel, Add	10.91	
05 12 23 00-0637	LF	8" Junior I-Beam, 6.5 Lb./LF	33.03	9.18
		For >100 To 250, Deduct	-1.44	
		For >250 To 500, Deduct	-2.26	
		For >500 To 1,000, Deduct	-3.40	
		For >1,000, Deduct	-4.53	
		For 304 Stainless Steel, Add	59.25	
		For 316 Stainless Steel, Add	66.53	
		For Aluminum, Add	3.74	
		For Galvanized Steel, Add	12.89	
05 12 23 00-0638	LF	10" Junior I-Beam, 9 Lb./LF	42.78	10.50
		For >100 To 250, Deduct	-1.77	
		For >250 To 500, Deduct	-2.84	
		For >500 To 1,000, Deduct	-4.26	
		For >1,000, Deduct	-5.68	
		For 304 Stainless Steel, Add	82.05	
		For 316 Stainless Steel, Add	92.13	
		For Aluminum, Add	5.18	
		For Galvanized Steel, Add	17.85	
05 12 23 00-0639	LF	12" Junior I-Beam, 11.8 Lb./LF	54.35	12.46
		For >100 To 250, Deduct	-2.19	
		For >250 To 500, Deduct	-3.55	
		For >500 To 1,000, Deduct	-5.32	
		For >1,000, Deduct	-7.10	
		For 304 Stainless Steel, Add	107.56	
		For 316 Stainless Steel, Add	120.77	
		For Aluminum, Add	6.79	
		For Galvanized Steel, Add	23.40	

05 12 23 00-0640 Round Stock (05 12 23 00-0422)

05 12 23 00-0641	LF	1/4" Carbon Steel Rounds, ASTM A108	2.66	
		For 304 Stainless Steel, Add	4.47	
		For 316 Stainless Steel, Add	5.02	
		For Aluminum, Add	0.28	
		For Galvanized Steel, Add	0.97	
05 12 23 00-0642	LF	3/8" Carbon Steel Rounds, ASTM A108	4.34	
		For 304 Stainless Steel, Add	8.84	
		For 316 Stainless Steel, Add	9.92	
		For Aluminum, Add	0.56	
		For Galvanized Steel, Add	1.92	
05 12 23 00-0643	LF	1/2" Carbon Steel Rounds, ASTM A108	6.09	
		For 304 Stainless Steel, Add	13.45	
		For 316 Stainless Steel, Add	15.10	
		For Aluminum, Add	0.85	
		For Galvanized Steel, Add	2.93	
05 12 23 00-0644	LF	5/8" Carbon Steel Rounds, ASTM A108	9.39	
		For 304 Stainless Steel, Add	22.43	
		For 316 Stainless Steel, Add	25.18	
		For Aluminum, Add	1.42	
		For Galvanized Steel, Add	4.88	
05 12 23 00-0645	LF	3/4" Carbon Steel Rounds, ASTM A108	11.17	
		For 304 Stainless Steel, Add	26.65	
		For 316 Stainless Steel, Add	29.92	
		For Aluminum, Add	1.68	
		For Galvanized Steel, Add	5.80	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
05 12 23 00-0646	LF		7/8" Carbon Steel Rounds, ASTM A108	13.03	
			For 304 Stainless Steel, Add	31.12	
			For 316 Stainless Steel, Add	34.94	
			For Aluminum, Add	1.97	
			For Galvanized Steel, Add	6.77	
05 12 23 00-0647	LF		1" Carbon Steel Rounds, ASTM A108	19.13	
			For 304 Stainless Steel, Add	47.42	
			For 316 Stainless Steel, Add	53.25	
			For Aluminum, Add	3.00	
			For Galvanized Steel, Add	10.32	
05 12 23 00-0648	LF		1-1/8" Carbon Steel Rounds, ASTM A108	23.25	
			For 304 Stainless Steel, Add	57.63	
			For 316 Stainless Steel, Add	64.70	
			For Aluminum, Add	3.64	
			For Galvanized Steel, Add	12.54	
05 12 23 00-0649	LF		1-1/4" Carbon Steel Rounds, ASTM A108	27.71	
			For 304 Stainless Steel, Add	67.83	
			For 316 Stainless Steel, Add	76.16	
			For Aluminum, Add	4.28	
			For Galvanized Steel, Add	14.76	
05 12 23 00-0650	LF		1-3/8" Carbon Steel Rounds, ASTM A108	33.59	
			For 304 Stainless Steel, Add	82.76	
			For 316 Stainless Steel, Add	92.93	
			For Aluminum, Add	5.23	
			For Galvanized Steel, Add	18.00	
05 12 23 00-0651	LF		1-1/2" Carbon Steel Rounds, ASTM A108	37.33	
			For 304 Stainless Steel, Add	90.80	
			For 316 Stainless Steel, Add	101.95	
			For Aluminum, Add	5.73	
			For Galvanized Steel, Add	19.75	
05 12 23 00-0652	LF		1-5/8" Carbon Steel Rounds, ASTM A108	42.93	
			For 304 Stainless Steel, Add	102.89	
			For 316 Stainless Steel, Add	115.52	
			For Aluminum, Add	6.50	
			For Galvanized Steel, Add	22.38	
05 12 23 00-0653	LF		1-3/4" Carbon Steel Rounds, ASTM A108	51.12	
			For 304 Stainless Steel, Add	119.73	
			For 316 Stainless Steel, Add	134.43	
			For Aluminum, Add	7.56	
			For Galvanized Steel, Add	26.05	
05 12 23 00-0654	LF		1-7/8" Carbon Steel Rounds, ASTM A108	61.24	
			For 304 Stainless Steel, Add	140.25	
			For 316 Stainless Steel, Add	157.47	
			For Aluminum, Add	8.86	
			For Galvanized Steel, Add	30.51	
05 12 23 00-0655	LF		2" Carbon Steel Rounds, ASTM A108	69.57	
			For 304 Stainless Steel, Add	156.04	
			For 316 Stainless Steel, Add	175.20	
			For Aluminum, Add	9.86	
			For Galvanized Steel, Add	33.95	
05 12 23 00-0656	LF		2-1/8" Carbon Steel Rounds, ASTM A108	80.93	
			For 304 Stainless Steel, Add	178.18	
			For 316 Stainless Steel, Add	200.06	
			For Aluminum, Add	11.25	
			For Galvanized Steel, Add	38.76	
05 12 23 00-0657	LF		2-1/4" Carbon Steel Rounds, ASTM A108	91.46	
			For 304 Stainless Steel, Add	200.33	
			For 316 Stainless Steel, Add	224.93	
			For Aluminum, Add	12.65	
			For Galvanized Steel, Add	43.58	
05 12 23 00-0658	LF		2-3/8" Carbon Steel Rounds, ASTM A108	104.74	
			For 304 Stainless Steel, Add	229.14	
			For 316 Stainless Steel, Add	257.28	
			For Aluminum, Add	14.47	
			For Galvanized Steel, Add	49.85	
05 12 23 00-0659	LF		2-1/2" Carbon Steel Rounds, ASTM A108	115.23	
			For 304 Stainless Steel, Add	246.95	
			For 316 Stainless Steel, Add	277.28	
			For Aluminum, Add	15.60	
			For Galvanized Steel, Add	53.72	
05 12 23 00-0660	LF		2-5/8" Carbon Steel Rounds, ASTM A108	141.82	
			For 304 Stainless Steel, Add	313.67	
			For 316 Stainless Steel, Add	352.19	
			For Aluminum, Add	19.81	
			For Galvanized Steel, Add	68.24	
05 12 23 00-0661	LF		2-3/4" Carbon Steel Rounds, ASTM A108	161.50	
			For 304 Stainless Steel, Add	357.70	
			For 316 Stainless Steel, Add	401.63	
			For Aluminum, Add	22.59	
			For Galvanized Steel, Add	77.82	
05 12 23 00-0662	LF		2-7/8" Carbon Steel Rounds, ASTM A108	180.10	
			For 304 Stainless Steel, Add	398.63	
			For 316 Stainless Steel, Add	447.58	
			For Aluminum, Add	25.18	
			For Galvanized Steel, Add	86.72	
05 12 23 00-0663	LF		3" Carbon Steel Rounds, ASTM A108	188.52	
			For 304 Stainless Steel, Add	410.60	
			For 316 Stainless Steel, Add	461.02	
			For Aluminum, Add	25.93	
			For Galvanized Steel, Add	89.32	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 12 23 00-0664	LF	3-1/8" Carbon Steel Rounds, ASTM A108	195.95	
		For 304 Stainless Steel, Add	419.69	
		For 316 Stainless Steel, Add	471.23	
		For Aluminum, Add	26.51	
		For Galvanized Steel, Add	91.30	
05 12 23 00-0665	LF	3-1/4" Carbon Steel Rounds, ASTM A108	206.20	
		For 304 Stainless Steel, Add	436.82	
		For 316 Stainless Steel, Add	490.46	
		For Aluminum, Add	27.59	
		For Galvanized Steel, Add	95.03	
05 12 23 00-0666	LF	3-1/2" Carbon Steel Rounds, ASTM A108	252.69	
		For 304 Stainless Steel, Add	554.24	
		For 316 Stainless Steel, Add	622.30	
		For Aluminum, Add	35.00	
		For Galvanized Steel, Add	120.57	
05 12 23 00-0667	LF	3-5/8" Carbon Steel Rounds, ASTM A108	281.06	
		For 304 Stainless Steel, Add	620.02	
		For 316 Stainless Steel, Add	696.16	
		For Aluminum, Add	39.16	
		For Galvanized Steel, Add	134.88	
05 12 23 00-0668	LF	3-3/4" Carbon Steel Rounds, ASTM A108	301.52	
		For 304 Stainless Steel, Add	663.25	
		For 316 Stainless Steel, Add	744.70	
		For Aluminum, Add	41.89	
		For Galvanized Steel, Add	144.29	
05 12 23 00-0669	LF	4" Carbon Steel Rounds, ASTM A108	339.05	
		For 304 Stainless Steel, Add	755.11	
		For 316 Stainless Steel, Add	847.84	
		For Aluminum, Add	47.69	
		For Galvanized Steel, Add	164.27	

05 12 23 00-0670 Square Stock (05 12 23 00-0422)

05 12 23 00-0671	LF	3/8" Square Bar Stock	1.95	
		For 304 Stainless Steel, Add	2.02	
		For 316 Stainless Steel, Add	2.27	
		For Aluminum, Add	0.13	
		For Galvanized Steel, Add	0.44	
05 12 23 00-0672	LF	1/2" Square Bar Stock	2.63	
		For 304 Stainless Steel, Add	3.59	
		For 316 Stainless Steel, Add	4.03	
		For Aluminum, Add	0.23	
		For Galvanized Steel, Add	0.78	
05 12 23 00-0673	LF	5/8" Square Bar Stock	3.48	
		For 304 Stainless Steel, Add	5.59	
		For 316 Stainless Steel, Add	6.27	
		For Aluminum, Add	0.35	
		For Galvanized Steel, Add	1.22	
05 12 23 00-0674	LF	3/4" Square Bar Stock	4.65	
		For 304 Stainless Steel, Add	8.07	
		For 316 Stainless Steel, Add	9.06	
		For Aluminum, Add	0.51	
		For Galvanized Steel, Add	1.75	
05 12 23 00-0675	LF	7/8" Square Bar Stock	6.06	
		For 304 Stainless Steel, Add	11.26	
		For 316 Stainless Steel, Add	12.64	
		For Aluminum, Add	0.71	
		For Galvanized Steel, Add	2.45	
05 12 23 00-0676	LF	1" Square Bar Stock	7.54	
		For 304 Stainless Steel, Add	14.39	
		For 316 Stainless Steel, Add	16.16	
		For Aluminum, Add	0.91	
		For Galvanized Steel, Add	3.13	
05 12 23 00-0677	LF	1-1/4" Square Bar Stock	11.79	
		For 304 Stainless Steel, Add	22.46	
		For 316 Stainless Steel, Add	25.22	
		For Aluminum, Add	1.42	
		For Galvanized Steel, Add	4.89	
05 12 23 00-0678	LF	1-1/2" Square Bar Stock	16.82	
		For 304 Stainless Steel, Add	32.35	
		For 316 Stainless Steel, Add	36.32	
		For Aluminum, Add	2.04	
		For Galvanized Steel, Add	7.04	
05 12 23 00-0679	LF	1-3/4" Square Bar Stock	24.90	
		For 304 Stainless Steel, Add	45.00	
		For 316 Stainless Steel, Add	50.53	
		For Aluminum, Add	2.84	
		For Galvanized Steel, Add	9.79	
05 12 23 00-0680	LF	2" Square Bar Stock	35.50	
		For 304 Stainless Steel, Add	57.57	
		For 316 Stainless Steel, Add	64.64	
		For Aluminum, Add	3.64	
		For Galvanized Steel, Add	12.52	

05 12 23 00-0681 Steel Tubing (05 12 23 00-0422)

Note: General purpose low-carbon steel.

05 12 23 00-0682 Square Steel Tubing (05 12 23 00-0681)**05 12 23 00-0683 0.06" Wall Thickness** (05 12 23 00-0682)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0684	LF	1/2" x 1/2" x 0.06"	Square Steel Tubing.....	2.65	0.58
			For >100 To 250, Deduct	-0.11	
			For >250 To 500, Deduct	-0.17	
			For >500 To 1,000, Deduct	-0.26	
			For >1,000, Deduct	-0.34	
			For 304 Stainless Steel, Add	5.30	
			For 316 Stainless Steel, Add	5.95	
			For Aluminum, Add	0.33	
			For Galvanized Steel, Add	1.15	
05 12 23 00-0685	LF	3/4" x 3/4" x 0.06"	Square Steel Tubing.....	4.06	0.93
			For >100 To 250, Deduct	-0.16	
			For >250 To 500, Deduct	-0.26	
			For >500 To 1,000, Deduct	-0.40	
			For >1,000, Deduct	-0.53	
			For 304 Stainless Steel, Add	8.07	
			For 316 Stainless Steel, Add	9.06	
			For Aluminum, Add	0.51	
			For Galvanized Steel, Add	1.75	
05 12 23 00-0686	LF	1" x 1" x 0.06"	Square Steel Tubing.....	5.46	1.68
			For >100 To 250, Deduct	-0.22	
			For >250 To 500, Deduct	-0.36	
			For >500 To 1,000, Deduct	-0.54	
			For >1,000, Deduct	-0.71	
			For 304 Stainless Steel, Add	10.77	
			For 316 Stainless Steel, Add	12.10	
			For Aluminum, Add	0.68	
			For Galvanized Steel, Add	2.34	
05 12 23 00-0687	LF	1-1/4" x 1-1/4" x 0.06"	Square Steel Tubing.....	7.22	1.59
			For >100 To 250, Deduct	-0.29	
			For >250 To 500, Deduct	-0.47	
			For >500 To 1,000, Deduct	-0.70	
			For >1,000, Deduct	-0.94	
			For 304 Stainless Steel, Add	14.51	
			For 316 Stainless Steel, Add	16.29	
			For Aluminum, Add	0.92	
			For Galvanized Steel, Add	3.16	
05 12 23 00-0688	LF	1-1/2" x 1-1/2" x 0.06"	Square Steel Tubing.....	8.55	1.92
			For >100 To 250, Deduct	-0.34	
			For >250 To 500, Deduct	-0.56	
			For >500 To 1,000, Deduct	-0.83	
			For >1,000, Deduct	-1.11	
			For 304 Stainless Steel, Add	17.04	
			For 316 Stainless Steel, Add	19.14	
			For Aluminum, Add	1.08	
			For Galvanized Steel, Add	3.71	
05 12 23 00-0689 0.083" Wall Thickness (05 12 23 00-0682)					
05 12 23 00-0690	LF	3/4" x 3/4" x 0.083"	Square Steel Tubing.....	4.72	1.08
			For >100 To 250, Deduct	-0.19	
			For >250 To 500, Deduct	-0.31	
			For >500 To 1,000, Deduct	-0.46	
			For >1,000, Deduct	-0.62	
			For 304 Stainless Steel, Add	9.35	
			For 316 Stainless Steel, Add	10.50	
			For Aluminum, Add	0.59	
			For Galvanized Steel, Add	2.03	
05 12 23 00-0691	LF	1" x 1" x 0.083"	Square Steel Tubing.....	6.88	1.49
			For >100 To 250, Deduct	-0.27	
			For >250 To 500, Deduct	-0.44	
			For >500 To 1,000, Deduct	-0.66	
			For >1,000, Deduct	-0.89	
			For 304 Stainless Steel, Add	13.97	
			For 316 Stainless Steel, Add	15.68	
			For Aluminum, Add	0.88	
			For Galvanized Steel, Add	3.04	
05 12 23 00-0692	LF	1-1/4" x 1-1/4" x 0.083"	Square Steel Tubing.....	8.31	1.89
			For >100 To 250, Deduct	-0.33	
			For >250 To 500, Deduct	-0.54	
			For >500 To 1,000, Deduct	-0.81	
			For >1,000, Deduct	-1.08	
			For 304 Stainless Steel, Add	16.50	
			For 316 Stainless Steel, Add	18.53	
			For Aluminum, Add	1.04	
			For Galvanized Steel, Add	3.59	
05 12 23 00-0693	LF	1-1/2" x 1-1/2" x 0.083"	Square Steel Tubing.....	10.05	2.30
			For >100 To 250, Deduct	-0.40	
			For >250 To 500, Deduct	-0.66	
			For >500 To 1,000, Deduct	-0.98	
			For >1,000, Deduct	-1.31	
			For 304 Stainless Steel, Add	19.92	
			For 316 Stainless Steel, Add	22.37	
			For Aluminum, Add	1.26	
			For Galvanized Steel, Add	4.33	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
05 12 23 00-0694	LF 2" x 2" x 0.083" Square Steel Tubing.....	12.87		3.06
	For >100 To 250, Deduct	-0.53		
	For >250 To 500, Deduct	-0.85		
	For >500 To 1,000, Deduct	-1.27		
	For >1,000, Deduct	-1.70		
	For 304 Stainless Steel, Add	25.05		
	For 316 Stainless Steel, Add	28.13		
	For Aluminum, Add	1.58		
	For Galvanized Steel, Add	5.45		
05 12 23 00-0695	0.12" Wall Thickness (05 12 23 00-0682)			
05 12 23 00-0696	LF 1" x 1" x 0.12" Square Steel Tubing.....	7.59		1.77
	For >100 To 250, Deduct	-0.31		
	For >250 To 500, Deduct	-0.50		
	For >500 To 1,000, Deduct	-0.75		
	For >1,000, Deduct	-1.00		
	For 304 Stainless Steel, Add	14.91		
	For 316 Stainless Steel, Add	16.74		
	For Aluminum, Add	0.94		
	For Galvanized Steel, Add	3.24		
05 12 23 00-0697	LF 1-1/4" x 1-1/4" x 0.12" Square Steel Tubing.....	9.77		2.27
	For >100 To 250, Deduct	-0.40		
	For >250 To 500, Deduct	-0.64		
	For >500 To 1,000, Deduct	-0.96		
	For >1,000, Deduct	-1.28		
	For 304 Stainless Steel, Add	19.24		
	For 316 Stainless Steel, Add	21.60		
	For Aluminum, Add	1.22		
	For Galvanized Steel, Add	4.19		
05 12 23 00-0698	LF 1-1/2" x 1-1/2" x 0.12" Square Steel Tubing.....	12.00		2.77
	For >100 To 250, Deduct	-0.49		
	For >250 To 500, Deduct	-0.79		
	For >500 To 1,000, Deduct	-1.18		
	For >1,000, Deduct	-1.57		
	For 304 Stainless Steel, Add	23.66		
	For 316 Stainless Steel, Add	26.56		
	For Aluminum, Add	1.49		
	For Galvanized Steel, Add	5.15		
05 12 23 00-0699	LF 2" x 2" x 0.12" Square Steel Tubing.....	16.24		3.78
	For >100 To 250, Deduct	-0.66		
	For >250 To 500, Deduct	-1.06		
	For >500 To 1,000, Deduct	-1.60		
	For >1,000, Deduct	-2.13		
	For 304 Stainless Steel, Add	31.92		
	For 316 Stainless Steel, Add	35.84		
	For Aluminum, Add	2.02		
	For Galvanized Steel, Add	6.94		
05 12 23 00-0700	1/8" Wall Thickness (05 12 23 00-0682)			
05 12 23 00-0701	LF 2" x 2" x 1/8" Square Steel Tubing.....	14.57		3.93
	For >100 To 250, Deduct	-0.63		
	For >250 To 500, Deduct	-0.99		
	For >500 To 1,000, Deduct	-1.49		
	For >1,000, Deduct	-1.98		
	For 304 Stainless Steel, Add	26.62		
	For 316 Stainless Steel, Add	29.89		
	For Aluminum, Add	1.68		
	For Galvanized Steel, Add	5.79		
05 12 23 00-0702	LF 2-1/2" x 2-1/2" x 1/8" Square Steel Tubing.....	19.24		4.97
	For >100 To 250, Deduct	-0.81		
	For >250 To 500, Deduct	-1.29		
	For >500 To 1,000, Deduct	-1.94		
	For >1,000, Deduct	-2.59		
	For 304 Stainless Steel, Add	35.94		
	For 316 Stainless Steel, Add	40.35		
	For Aluminum, Add	2.27		
	For Galvanized Steel, Add	7.82		
05 12 23 00-0703	LF 3" x 3" x 1/8" Square Steel Tubing.....	22.52		6.01
	For >100 To 250, Deduct	-0.96		
	For >250 To 500, Deduct	-1.53		
	For >500 To 1,000, Deduct	-2.29		
	For >1,000, Deduct	-3.05		
	For 304 Stainless Steel, Add	41.33		
	For 316 Stainless Steel, Add	46.40		
	For Aluminum, Add	2.61		
	For Galvanized Steel, Add	8.99		
05 12 23 00-0704	LF 3-1/2" x 3-1/2" x 1/8" Square Steel Tubing.....	26.09		7.06
	For >100 To 250, Deduct	-1.12		
	For >250 To 500, Deduct	-1.78		
	For >500 To 1,000, Deduct	-2.66		
	For >1,000, Deduct	-3.55		
	For 304 Stainless Steel, Add	47.51		
	For 316 Stainless Steel, Add	53.34		
	For Aluminum, Add	3.00		
	For Galvanized Steel, Add	10.34		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0705	LF		4" x 4" x 1/8" Square Steel Tubing.....	28.71	8.11
			For >100 To 250, Deduct	-1.26	
			For >250 To 500, Deduct	-1.98	
			For >500 To 1,000, Deduct	-2.96	
			For >1,000, Deduct	-3.95	
			For 304 Stainless Steel, Add	51.02	
			For 316 Stainless Steel, Add	57.28	
			For Aluminum, Add	3.22	
			For Galvanized Steel, Add	11.10	
05 12 23 00-0706			3/16" Wall Thickness (05 12 23 00-0682)		
05 12 23 00-0707	LF		2" x 2" x 3/16" Square Steel Tubing.....	16.52	4.42
			For >100 To 250, Deduct	-0.71	
			For >250 To 500, Deduct	-1.12	
			For >500 To 1,000, Deduct	-1.68	
			For >1,000, Deduct	-2.24	
			For 304 Stainless Steel, Add	30.27	
			For 316 Stainless Steel, Add	33.98	
			For Aluminum, Add	1.91	
			For Galvanized Steel, Add	6.58	
05 12 23 00-0708	LF		2-1/2" x 2-1/2" x 3/16" Square Steel Tubing	21.39	5.73
			For >100 To 250, Deduct	-0.92	
			For >250 To 500, Deduct	-1.45	
			For >500 To 1,000, Deduct	-2.18	
			For >1,000, Deduct	-2.90	
			For 304 Stainless Steel, Add	39.19	
			For 316 Stainless Steel, Add	44.00	
			For Aluminum, Add	2.48	
			For Galvanized Steel, Add	8.53	
05 12 23 00-0709	LF		3" x 3" x 3/16" Square Steel Tubing.....	26.29	7.04
			For >100 To 250, Deduct	-1.13	
			For >250 To 500, Deduct	-1.78	
			For >500 To 1,000, Deduct	-2.68	
			For >1,000, Deduct	-3.57	
			For 304 Stainless Steel, Add	48.17	
			For 316 Stainless Steel, Add	54.08	
			For Aluminum, Add	3.04	
			For Galvanized Steel, Add	10.48	
05 12 23 00-0710	LF		3-1/2" x 3-1/2" x 3/16" Square Steel Tubing	31.17	8.35
			For >100 To 250, Deduct	-1.34	
			For >250 To 500, Deduct	-2.12	
			For >500 To 1,000, Deduct	-3.17	
			For >1,000, Deduct	-4.23	
			For 304 Stainless Steel, Add	57.11	
			For 316 Stainless Steel, Add	64.13	
			For Aluminum, Add	3.61	
			For Galvanized Steel, Add	12.42	
05 12 23 00-0711	LF		4" x 4" x 3/16" Square Steel Tubing.....	36.04	9.65
			For >100 To 250, Deduct	-1.54	
			For >250 To 500, Deduct	-2.45	
			For >500 To 1,000, Deduct	-3.67	
			For >1,000, Deduct	-4.89	
			For 304 Stainless Steel, Add	66.03	
			For 316 Stainless Steel, Add	74.14	
			For Aluminum, Add	4.17	
			For Galvanized Steel, Add	14.37	
05 12 23 00-0712	LF		4-1/2" x 4-1/2" x 3/16" Square Steel Tubing	40.93	10.96
			For >100 To 250, Deduct	-1.75	
			For >250 To 500, Deduct	-2.78	
			For >500 To 1,000, Deduct	-4.17	
			For >1,000, Deduct	-5.56	
			For 304 Stainless Steel, Add	74.98	
			For 316 Stainless Steel, Add	84.19	
			For Aluminum, Add	4.74	
			For Galvanized Steel, Add	16.31	
05 12 23 00-0713	LF		5" x 5" x 3/16" Square Steel Tubing.....	45.79	12.27
			For >100 To 250, Deduct	-1.96	
			For >250 To 500, Deduct	-3.11	
			For >500 To 1,000, Deduct	-4.66	
			For >1,000, Deduct	-6.21	
			For 304 Stainless Steel, Add	83.90	
			For 316 Stainless Steel, Add	94.21	
			For Aluminum, Add	5.30	
			For Galvanized Steel, Add	18.25	
05 12 23 00-0714	LF		6" x 6" x 3/16" Square Steel Tubing.....	55.59	14.89
			For >100 To 250, Deduct	-2.38	
			For >250 To 500, Deduct	-3.77	
			For >500 To 1,000, Deduct	-5.66	
			For >1,000, Deduct	-7.55	
			For 304 Stainless Steel, Add	101.83	
			For 316 Stainless Steel, Add	114.34	
			For Aluminum, Add	6.43	
			For Galvanized Steel, Add	22.15	

05 12 23 00-0715 **1/4" Wall Thickness** (05 12 23 00-0682)

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 12 23 00-0716	LF 2" x 2" x 1/4" Square Steel Tubing.....	17.65	4.43
	For >100 To 250, Deduct	-0.74	
	For >250 To 500, Deduct	-1.18	
	For >500 To 1,000, Deduct	-1.77	
	For >1,000, Deduct	-2.36	
	For 304 Stainless Steel, Add	33.46	
	For 316 Stainless Steel, Add	37.57	
	For Aluminum, Add	2.11	
	For Galvanized Steel, Add	7.28	
05 12 23 00-0717	LF 2-1/2" x 2-1/2" x 1/4" Square Steel Tubing.....	23.20	5.83
	For >100 To 250, Deduct	-0.97	
	For >250 To 500, Deduct	-1.55	
	For >500 To 1,000, Deduct	-2.32	
	For >1,000, Deduct	-3.10	
	For 304 Stainless Steel, Add	43.98	
	For 316 Stainless Steel, Add	49.38	
	For Aluminum, Add	2.78	
	For Galvanized Steel, Add	9.57	
05 12 23 00-0718	LF 3" x 3" x 1/4" Square Steel Tubing.....	28.75	7.22
	For >100 To 250, Deduct	-1.20	
	For >250 To 500, Deduct	-1.92	
	For >500 To 1,000, Deduct	-2.88	
	For >1,000, Deduct	-3.84	
	For 304 Stainless Steel, Add	54.49	
	For 316 Stainless Steel, Add	61.18	
	For Aluminum, Add	3.44	
	For Galvanized Steel, Add	11.85	
05 12 23 00-0719	LF 3-1/2" x 3-1/2" x 1/4" Square Steel Tubing.....	34.29	8.61
	For >100 To 250, Deduct	-1.43	
	For >250 To 500, Deduct	-2.29	
	For >500 To 1,000, Deduct	-3.43	
	For >1,000, Deduct	-4.58	
	For 304 Stainless Steel, Add	65.01	
	For 316 Stainless Steel, Add	72.99	
	For Aluminum, Add	4.11	
	For Galvanized Steel, Add	14.14	
05 12 23 00-0720	LF 4" x 4" x 1/4" Square Steel Tubing.....	39.85	10.01
	For >100 To 250, Deduct	-1.66	
	For >250 To 500, Deduct	-2.66	
	For >500 To 1,000, Deduct	-3.99	
	For >1,000, Deduct	-5.32	
	For 304 Stainless Steel, Add	75.53	
	For 316 Stainless Steel, Add	84.80	
	For Aluminum, Add	4.77	
	For Galvanized Steel, Add	16.43	
05 12 23 00-0721	LF 4-1/2" x 4-1/2" x 1/4" Square Steel Tubing.....	45.39	11.40
	For >100 To 250, Deduct	-1.89	
	For >250 To 500, Deduct	-3.03	
	For >500 To 1,000, Deduct	-4.54	
	For >1,000, Deduct	-6.06	
	For 304 Stainless Steel, Add	86.04	
	For 316 Stainless Steel, Add	96.61	
	For Aluminum, Add	5.43	
	For Galvanized Steel, Add	18.72	
05 12 23 00-0722	LF 5" x 5" x 1/4" Square Steel Tubing.....	50.98	12.80
	For >100 To 250, Deduct	-2.13	
	For >250 To 500, Deduct	-3.40	
	For >500 To 1,000, Deduct	-5.10	
	For >1,000, Deduct	-6.81	
	For 304 Stainless Steel, Add	96.62	
	For 316 Stainless Steel, Add	108.48	
	For Aluminum, Add	6.10	
	For Galvanized Steel, Add	21.02	
05 12 23 00-0723	LF 6" x 6" x 1/4" Square Steel Tubing.....	62.07	15.59
	For >100 To 250, Deduct	-2.59	
	For >250 To 500, Deduct	-4.14	
	For >500 To 1,000, Deduct	-6.21	
	For >1,000, Deduct	-8.29	
	For 304 Stainless Steel, Add	117.65	
	For 316 Stainless Steel, Add	132.10	
	For Aluminum, Add	7.43	
	For Galvanized Steel, Add	25.59	

05 12 23 00-0724 Rectangular Steel Tubing (05 12 23 00-0681)

05 12 23 00-0725 3/16" Wall Thickness (05 12 23 00-0724)

05 12 23 00-0726	LF 3" x 2" x 3/16" Square Steel Tubing.....	21.39	5.73
	For >100 To 250, Deduct	-0.92	
	For >250 To 500, Deduct	-1.45	
	For >500 To 1,000, Deduct	-2.18	
	For >1,000, Deduct	-2.90	
	For 304 Stainless Steel, Add	39.19	
	For 316 Stainless Steel, Add	44.00	
	For Aluminum, Add	2.48	
	For Galvanized Steel, Add	8.53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0727	LF	4" x 2" x 3/16" Square Steel Tubing	.....	26.29	7.04
		For >100 To 250, Deduct	.....	-1.13	
		For >250 To 500, Deduct	.....	-1.78	
		For >500 To 1,000, Deduct	.....	-2.68	
		For >1,000, Deduct	.....	-3.57	
		For 304 Stainless Steel, Add	.....	48.17	
		For 316 Stainless Steel, Add	.....	54.08	
		For Aluminum, Add	.....	3.04	
		For Galvanized Steel, Add	.....	10.48	
05 12 23 00-0728	LF	4" x 3" x 3/16" Square Steel Tubing	.....	31.17	8.35
		For >100 To 250, Deduct	.....	-1.34	
		For >250 To 500, Deduct	.....	-2.12	
		For >500 To 1,000, Deduct	.....	-3.17	
		For >1,000, Deduct	.....	-4.23	
		For 304 Stainless Steel, Add	.....	57.11	
		For 316 Stainless Steel, Add	.....	64.13	
		For Aluminum, Add	.....	3.61	
		For Galvanized Steel, Add	.....	12.42	
05 12 23 00-0729	LF	5" x 2" x 3/16" Square Steel Tubing	.....	31.17	8.35
		For >100 To 250, Deduct	.....	-1.34	
		For >250 To 500, Deduct	.....	-2.12	
		For >500 To 1,000, Deduct	.....	-3.17	
		For >1,000, Deduct	.....	-4.23	
		For 304 Stainless Steel, Add	.....	57.11	
		For 316 Stainless Steel, Add	.....	64.13	
		For Aluminum, Add	.....	3.61	
		For Galvanized Steel, Add	.....	12.42	
05 12 23 00-0730	LF	5" x 3" x 3/16" Square Steel Tubing	.....	36.04	9.65
		For >100 To 250, Deduct	.....	-1.54	
		For >250 To 500, Deduct	.....	-2.45	
		For >500 To 1,000, Deduct	.....	-3.67	
		For >1,000, Deduct	.....	-4.89	
		For 304 Stainless Steel, Add	.....	66.03	
		For 316 Stainless Steel, Add	.....	74.14	
		For Aluminum, Add	.....	4.17	
		For Galvanized Steel, Add	.....	14.37	
05 12 23 00-0731	LF	5" x 4" x 3/16" Square Steel Tubing	.....	40.93	10.96
		For >100 To 250, Deduct	.....	-1.75	
		For >250 To 500, Deduct	.....	-2.78	
		For >500 To 1,000, Deduct	.....	-4.17	
		For >1,000, Deduct	.....	-5.56	
		For 304 Stainless Steel, Add	.....	74.98	
		For 316 Stainless Steel, Add	.....	84.19	
		For Aluminum, Add	.....	4.74	
		For Galvanized Steel, Add	.....	16.31	
05 12 23 00-0732	LF	6" x 2" x 3/16" Square Steel Tubing	.....	36.04	9.65
		For >100 To 250, Deduct	.....	-1.54	
		For >250 To 500, Deduct	.....	-2.45	
		For >500 To 1,000, Deduct	.....	-3.67	
		For >1,000, Deduct	.....	-4.89	
		For 304 Stainless Steel, Add	.....	66.03	
		For 316 Stainless Steel, Add	.....	74.14	
		For Aluminum, Add	.....	4.17	
		For Galvanized Steel, Add	.....	14.37	
05 12 23 00-0733	LF	6" x 3" x 3/16" Square Steel Tubing	.....	40.93	10.96
		For >100 To 250, Deduct	.....	-1.75	
		For >250 To 500, Deduct	.....	-2.78	
		For >500 To 1,000, Deduct	.....	-4.17	
		For >1,000, Deduct	.....	-5.56	
		For 304 Stainless Steel, Add	.....	74.98	
		For 316 Stainless Steel, Add	.....	84.19	
		For Aluminum, Add	.....	4.74	
		For Galvanized Steel, Add	.....	16.31	
05 12 23 00-0734	LF	6" x 4" x 3/16" Square Steel Tubing	.....	45.79	12.27
		For >100 To 250, Deduct	.....	-1.96	
		For >250 To 500, Deduct	.....	-3.11	
		For >500 To 1,000, Deduct	.....	-4.66	
		For >1,000, Deduct	.....	-6.21	
		For 304 Stainless Steel, Add	.....	83.90	
		For 316 Stainless Steel, Add	.....	94.21	
		For Aluminum, Add	.....	5.30	
		For Galvanized Steel, Add	.....	18.25	
05 12 23 00-0735		1/4" Wall Thickness (05 12 23 00-0724)			
05 12 23 00-0736	LF	3" x 2" x 1/4" Square Steel Tubing	.....	23.20	5.83
		For >100 To 250, Deduct	.....	-0.97	
		For >250 To 500, Deduct	.....	-1.55	
		For >500 To 1,000, Deduct	.....	-2.32	
		For >1,000, Deduct	.....	-3.10	
		For 304 Stainless Steel, Add	.....	43.98	
		For 316 Stainless Steel, Add	.....	49.38	
		For Aluminum, Add	.....	2.78	
		For Galvanized Steel, Add	.....	9.57	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 12 23 00-0737	LF 4" x 2" x 1/4" Square Steel Tubing.....	28.75	7.22
	For >100 To 250, Deduct	-1.20	
	For >250 To 500, Deduct	-1.92	
	For >500 To 1,000, Deduct	-2.88	
	For >1,000, Deduct	-3.84	
	For 304 Stainless Steel, Add	54.49	
	For 316 Stainless Steel, Add	61.18	
	For Aluminum, Add	3.44	
	For Galvanized Steel, Add	11.85	
05 12 23 00-0738	LF 4" x 3" x 1/4" Square Steel Tubing.....	34.29	8.61
	For >100 To 250, Deduct	-1.43	
	For >250 To 500, Deduct	-2.29	
	For >500 To 1,000, Deduct	-3.43	
	For >1,000, Deduct	-4.58	
	For 304 Stainless Steel, Add	65.01	
	For 316 Stainless Steel, Add	72.99	
	For Aluminum, Add	4.11	
	For Galvanized Steel, Add	14.14	
05 12 23 00-0739	LF 5" x 2" x 1/4" Square Steel Tubing.....	34.29	8.61
	For >100 To 250, Deduct	-1.43	
	For >250 To 500, Deduct	-2.29	
	For >500 To 1,000, Deduct	-3.43	
	For >1,000, Deduct	-4.58	
	For 304 Stainless Steel, Add	65.01	
	For 316 Stainless Steel, Add	72.99	
	For Aluminum, Add	4.11	
	For Galvanized Steel, Add	14.14	
05 12 23 00-0740	LF 5" x 3" x 1/4" Square Steel Tubing.....	39.85	10.01
	For >100 To 250, Deduct	-1.66	
	For >250 To 500, Deduct	-2.66	
	For >500 To 1,000, Deduct	-3.99	
	For >1,000, Deduct	-5.32	
	For 304 Stainless Steel, Add	75.53	
	For 316 Stainless Steel, Add	84.80	
	For Aluminum, Add	4.77	
	For Galvanized Steel, Add	16.43	
05 12 23 00-0741	LF 5" x 4" x 1/4" Square Steel Tubing.....	45.39	11.40
	For >100 To 250, Deduct	-1.89	
	For >250 To 500, Deduct	-3.03	
	For >500 To 1,000, Deduct	-4.54	
	For >1,000, Deduct	-6.06	
	For 304 Stainless Steel, Add	86.04	
	For 316 Stainless Steel, Add	96.61	
	For Aluminum, Add	5.43	
	For Galvanized Steel, Add	18.72	
05 12 23 00-0742	LF 6" x 2" x 1/4" Square Steel Tubing.....	39.85	10.01
	For >100 To 250, Deduct	-1.66	
	For >250 To 500, Deduct	-2.66	
	For >500 To 1,000, Deduct	-3.99	
	For >1,000, Deduct	-5.32	
	For 304 Stainless Steel, Add	75.53	
	For 316 Stainless Steel, Add	84.80	
	For Aluminum, Add	4.77	
	For Galvanized Steel, Add	16.43	
05 12 23 00-0743	LF 6" x 3" x 1/4" Square Steel Tubing.....	45.39	11.40
	For >100 To 250, Deduct	-1.89	
	For >250 To 500, Deduct	-3.03	
	For >500 To 1,000, Deduct	-4.54	
	For >1,000, Deduct	-6.06	
	For 304 Stainless Steel, Add	86.04	
	For 316 Stainless Steel, Add	96.61	
	For Aluminum, Add	5.43	
	For Galvanized Steel, Add	18.72	
05 12 23 00-0744	LF 6" x 4" x 1/4" Square Steel Tubing.....	50.98	12.80
	For >100 To 250, Deduct	-2.13	
	For >250 To 500, Deduct	-3.40	
	For >500 To 1,000, Deduct	-5.10	
	For >1,000, Deduct	-6.81	
	For 304 Stainless Steel, Add	96.62	
	For 316 Stainless Steel, Add	108.48	
	For Aluminum, Add	6.10	
	For Galvanized Steel, Add	21.02	

05 12 23 00-0745 Round Steel Tubing (05 12 23 00-0681)

05 12 23 00-0746 0.065" Wall Thickness (05 12 23 00-0745)

05 12 23 00-0747	LF 1" Diameter x 0.065" Round Steel Tubing	4.72	1.07
	For >100 To 250, Deduct	-0.19	
	For >250 To 500, Deduct	-0.31	
	For >500 To 1,000, Deduct	-0.46	
	For >1,000, Deduct	-0.61	
	For 304 Stainless Steel, Add	9.41	
	For 316 Stainless Steel, Add	10.56	
	For Aluminum, Add	0.59	
	For Galvanized Steel, Add	2.05	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0748	LF		1-1/4" Diameter x 0.065" Round Steel Tubing	5.98	1.35
			For >100 To 250, Deduct	-0.24	
			For >250 To 500, Deduct	-0.39	
			For >500 To 1,000, Deduct	-0.58	
			For >1,000, Deduct	-0.78	
			For 304 Stainless Steel, Add	11.91	
			For 316 Stainless Steel, Add	13.38	
			For Aluminum, Add	0.75	
			For Galvanized Steel, Add	2.59	
05 12 23 00-0749	LF		1-1/2" Diameter x 0.065" Round Steel Tubing	7.24	1.63
			For >100 To 250, Deduct	-0.29	
			For >250 To 500, Deduct	-0.47	
			For >500 To 1,000, Deduct	-0.71	
			For >1,000, Deduct	-0.94	
			For 304 Stainless Steel, Add	14.42	
			For 316 Stainless Steel, Add	16.19	
			For Aluminum, Add	0.91	
			For Galvanized Steel, Add	3.14	
05 12 23 00-0750	LF		2" Diameter x 0.065" Round Steel Tubing	9.76	2.21
			For >100 To 250, Deduct	-0.39	
			For >250 To 500, Deduct	-0.63	
			For >500 To 1,000, Deduct	-0.95	
			For >1,000, Deduct	-1.27	
			For 304 Stainless Steel, Add	19.47	
			For 316 Stainless Steel, Add	21.86	
			For Aluminum, Add	1.23	
			For Galvanized Steel, Add	4.23	
05 12 23 00-0751	LF		2-1/2" Diameter x 0.065" Round Steel Tubing	12.29	2.77
			For >100 To 250, Deduct	-0.49	
			For >250 To 500, Deduct	-0.80	
			For >500 To 1,000, Deduct	-1.20	
			For >1,000, Deduct	-1.60	
			For 304 Stainless Steel, Add	24.48	
			For 316 Stainless Steel, Add	27.49	
			For Aluminum, Add	1.55	
			For Galvanized Steel, Add	5.33	
05 12 23 00-0752	LF		3" Diameter x 0.065" Round Steel Tubing	14.81	3.34
			For >100 To 250, Deduct	-0.59	
			For >250 To 500, Deduct	-0.96	
			For >500 To 1,000, Deduct	-1.44	
			For >1,000, Deduct	-1.93	
			For 304 Stainless Steel, Add	29.53	
			For 316 Stainless Steel, Add	33.15	
			For Aluminum, Add	1.86	
			For Galvanized Steel, Add	6.42	
05 12 23 00-0753	LF		3-1/2" Diameter x 0.065" Round Steel Tubing	17.35	3.91
			For >100 To 250, Deduct	-0.69	
			For >250 To 500, Deduct	-1.13	
			For >500 To 1,000, Deduct	-1.69	
			For >1,000, Deduct	-2.26	
			For 304 Stainless Steel, Add	34.57	
			For 316 Stainless Steel, Add	38.82	
			For Aluminum, Add	2.18	
			For Galvanized Steel, Add	7.52	
05 12 23 00-0754	LF		4" Diameter x 0.065" Round Steel Tubing	19.86	4.48
			For >100 To 250, Deduct	-0.80	
			For >250 To 500, Deduct	-1.29	
			For >500 To 1,000, Deduct	-1.94	
			For >1,000, Deduct	-2.58	
			For 304 Stainless Steel, Add	39.59	
			For 316 Stainless Steel, Add	44.45	
			For Aluminum, Add	2.50	
			For Galvanized Steel, Add	8.61	
05 12 23 00-0755			0.083" Wall Thickness (05 12 23 00-0745)		
05 12 23 00-0756	LF		1" Diameter x 0.083" Round Steel Tubing	5.12	1.17
			For >100 To 250, Deduct	-0.21	
			For >250 To 500, Deduct	-0.33	
			For >500 To 1,000, Deduct	-0.50	
			For >1,000, Deduct	-0.67	
			For 304 Stainless Steel, Add	10.17	
			For 316 Stainless Steel, Add	11.42	
			For Aluminum, Add	0.64	
			For Galvanized Steel, Add	2.21	
05 12 23 00-0757	LF		1-1/4" Diameter x 0.083" Round Steel Tubing	6.51	1.48
			For >100 To 250, Deduct	-0.26	
			For >250 To 500, Deduct	-0.42	
			For >500 To 1,000, Deduct	-0.64	
			For >1,000, Deduct	-0.85	
			For 304 Stainless Steel, Add	12.94	
			For 316 Stainless Steel, Add	14.53	
			For Aluminum, Add	0.82	
			For Galvanized Steel, Add	2.81	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 12 23 00-0758	LF	1-1/2" Diameter x 0.083" Round Steel Tubing	7.92	1.80
		For >100 To 250, Deduct	-0.32	
		For >250 To 500, Deduct	-0.52	
		For >500 To 1,000, Deduct	-0.77	
		For >1,000, Deduct	-1.03	
		For 304 Stainless Steel, Add	15.73	
		For 316 Stainless Steel, Add	17.66	
		For Aluminum, Add	0.99	
		For Galvanized Steel, Add	3.42	
05 12 23 00-0759	LF	2" Diameter x 0.083" Round Steel Tubing	10.71	2.44
		For >100 To 250, Deduct	-0.43	
		For >250 To 500, Deduct	-0.70	
		For >500 To 1,000, Deduct	-1.05	
		For >1,000, Deduct	-1.40	
		For 304 Stainless Steel, Add	21.26	
		For 316 Stainless Steel, Add	23.87	
		For Aluminum, Add	1.34	
		For Galvanized Steel, Add	4.63	
05 12 23 00-0760	LF	2-1/2" Diameter x 0.083" Round Steel Tubing	13.51	3.07
		For >100 To 250, Deduct	-0.54	
		For >250 To 500, Deduct	-0.88	
		For >500 To 1,000, Deduct	-1.32	
		For >1,000, Deduct	-1.76	
		For 304 Stainless Steel, Add	26.82	
		For 316 Stainless Steel, Add	30.11	
		For Aluminum, Add	1.69	
		For Galvanized Steel, Add	5.83	
05 12 23 00-0761	LF	3" Diameter x 0.083" Round Steel Tubing	16.31	3.71
		For >100 To 250, Deduct	-0.66	
		For >250 To 500, Deduct	-1.06	
		For >500 To 1,000, Deduct	-1.59	
		For >1,000, Deduct	-2.13	
		For 304 Stainless Steel, Add	32.38	
		For 316 Stainless Steel, Add	36.35	
		For Aluminum, Add	2.04	
		For Galvanized Steel, Add	7.04	
05 12 23 00-0762	LF	3-1/2" Diameter x 0.083" Round Steel Tubing	19.09	4.34
		For >100 To 250, Deduct	-0.77	
		For >250 To 500, Deduct	-1.24	
		For >500 To 1,000, Deduct	-1.87	
		For >1,000, Deduct	-2.49	
		For 304 Stainless Steel, Add	37.91	
		For 316 Stainless Steel, Add	42.56	
		For Aluminum, Add	2.39	
		For Galvanized Steel, Add	8.25	
05 12 23 00-0763	LF	4" Diameter x 0.083" Round Steel Tubing	21.89	4.98
		For >100 To 250, Deduct	-0.88	
		For >250 To 500, Deduct	-1.43	
		For >500 To 1,000, Deduct	-2.14	
		For >1,000, Deduct	-2.85	
		For 304 Stainless Steel, Add	43.46	
		For 316 Stainless Steel, Add	48.80	
		For Aluminum, Add	2.75	
		For Galvanized Steel, Add	9.46	

05 12 23 00-0764 0.125" Wall Thickness (05 12 23 00-0745)

05 12 23 00-0765	LF	2" Diameter x 0.125" Round Steel Tubing	11.42	3.08
		For >100 To 250, Deduct	-0.49	
		For >250 To 500, Deduct	-0.78	
		For >500 To 1,000, Deduct	-1.16	
		For >1,000, Deduct	-1.55	
		For 304 Stainless Steel, Add	20.86	
		For 316 Stainless Steel, Add	23.42	
		For Aluminum, Add	1.32	
		For Galvanized Steel, Add	4.54	
05 12 23 00-0766	LF	2-1/2" Diameter x 0.125" Round Steel Tubing	14.48	3.90
		For >100 To 250, Deduct	-0.62	
		For >250 To 500, Deduct	-0.98	
		For >500 To 1,000, Deduct	-1.48	
		For >1,000, Deduct	-1.97	
		For 304 Stainless Steel, Add	26.45	
		For 316 Stainless Steel, Add	29.70	
		For Aluminum, Add	1.67	
		For Galvanized Steel, Add	5.75	
05 12 23 00-0767	LF	3" Diameter x 0.125" Round Steel Tubing	17.53	4.71
		For >100 To 250, Deduct	-0.75	
		For >250 To 500, Deduct	-1.19	
		For >500 To 1,000, Deduct	-1.79	
		For >1,000, Deduct	-2.38	
		For 304 Stainless Steel, Add	32.01	
		For 316 Stainless Steel, Add	35.94	
		For Aluminum, Add	2.02	
		For Galvanized Steel, Add	6.96	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
05 12 23 00-0768	LF		3-1/2" Diameter x 0.125" Round Steel Tubing	20.56	5.54
			For >100 To 250, Deduct	-0.88	
			For >250 To 500, Deduct	-1.40	
			For >500 To 1,000, Deduct	-2.10	
			For >1,000, Deduct	-2.79	
			For 304 Stainless Steel, Add	37.56	
			For 316 Stainless Steel, Add	42.18	
			For Aluminum, Add	2.37	
			For Galvanized Steel, Add	8.17	
05 12 23 00-0769	LF		4" Diameter x 0.125" Round Steel Tubing	23.62	6.36
			For >100 To 250, Deduct	-1.01	
			For >250 To 500, Deduct	-1.61	
			For >500 To 1,000, Deduct	-2.41	
			For >1,000, Deduct	-3.21	
			For 304 Stainless Steel, Add	43.15	
			For 316 Stainless Steel, Add	48.45	
			For Aluminum, Add	2.73	
			For Galvanized Steel, Add	9.39	
05 12 23 00-0770			Flat Steel Bar (05 12 23 00-0422)		
05 12 23 00-0771			1/8" Thick (05 12 23 00-0770)		
05 12 23 00-0772	LF		1/8" Thick x 1" Wide Flat Steel Bar	3.39	1.53
			For 304 Stainless Steel, Add	3.11	
			For 316 Stainless Steel, Add	3.49	
			For Aluminum, Add	0.20	
			For Galvanized Steel, Add	0.68	
05 12 23 00-0773	LF		1/8" Thick x 2" Wide Flat Steel Bar	5.26	2.30
			For 304 Stainless Steel, Add	5.16	
			For 316 Stainless Steel, Add	5.79	
			For Aluminum, Add	0.33	
			For Galvanized Steel, Add	1.12	
05 12 23 00-0774	LF		1/8" Thick x 4" Wide Flat Steel Bar	8.15	3.23
			For 304 Stainless Steel, Add	9.38	
			For 316 Stainless Steel, Add	10.53	
			For Aluminum, Add	0.59	
			For Galvanized Steel, Add	2.04	
05 12 23 00-0775	LF		1/8" Thick x 6" Wide Flat Steel Bar	11.04	4.39
			For 304 Stainless Steel, Add	12.68	
			For 316 Stainless Steel, Add	14.24	
			For Aluminum, Add	0.80	
			For Galvanized Steel, Add	2.76	
05 12 23 00-0776			3/16" Thick (05 12 23 00-0770)		
05 12 23 00-0777	LF		3/16" Thick x 1" Wide Flat Steel Bar	4.51	1.90
			For 304 Stainless Steel, Add	4.73	
			For 316 Stainless Steel, Add	5.31	
			For Aluminum, Add	0.30	
			For Galvanized Steel, Add	1.03	
05 12 23 00-0778	LF		3/16" Thick x 2" Wide Flat Steel Bar	7.14	2.85
			For 304 Stainless Steel, Add	8.15	
			For 316 Stainless Steel, Add	9.15	
			For Aluminum, Add	0.51	
			For Galvanized Steel, Add	1.77	
05 12 23 00-0779	LF		3/16" Thick x 4" Wide Flat Steel Bar	9.75	3.28
			For 304 Stainless Steel, Add	13.77	
			For 316 Stainless Steel, Add	15.46	
			For Aluminum, Add	0.87	
			For Galvanized Steel, Add	2.99	
05 12 23 00-0780	LF		3/16" Thick x 6" Wide Flat Steel Bar	13.49	4.54
			For 304 Stainless Steel, Add	19.01	
			For 316 Stainless Steel, Add	21.34	
			For Aluminum, Add	1.20	
			For Galvanized Steel, Add	4.14	
05 12 23 00-0781			1/4" Thick (05 12 23 00-0770)		
05 12 23 00-0782	LF		1/4" Thick x 1" Wide Flat Steel Bar	4.65	2.01
			For 304 Stainless Steel, Add	4.67	
			For 316 Stainless Steel, Add	5.25	
			For Aluminum, Add	0.30	
			For Galvanized Steel, Add	1.02	
05 12 23 00-0783	LF		1/4" Thick x 2" Wide Flat Steel Bar	7.83	3.01
			For 304 Stainless Steel, Add	9.43	
			For 316 Stainless Steel, Add	10.59	
			For Aluminum, Add	0.60	
			For Galvanized Steel, Add	2.05	
05 12 23 00-0784	LF		1/4" Thick x 4" Wide Flat Steel Bar	11.58	3.45
			For 304 Stainless Steel, Add	18.27	
			For 316 Stainless Steel, Add	20.51	
			For Aluminum, Add	1.15	
			For Galvanized Steel, Add	3.97	
05 12 23 00-0785	LF		1/4" Thick x 6" Wide Flat Steel Bar	16.75	5.10
			For 304 Stainless Steel, Add	25.91	
			For 316 Stainless Steel, Add	29.09	
			For Aluminum, Add	1.64	
			For Galvanized Steel, Add	5.64	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 12 23 00-0786 3/8" Thick (05 12 23 00-0770)			
05 12 23 00-0787	LF 3/8" Thick x 1" Wide Flat Steel Bar	5.96	2.27
	For 304 Stainless Steel, Add	7.32	
	For 316 Stainless Steel, Add	8.22	
	For Aluminum, Add	0.46	
	For Galvanized Steel, Add	1.59	
05 12 23 00-0788	LF 3/8" Thick x 2" Wide Flat Steel Bar	9.84	3.38
	For 304 Stainless Steel, Add	13.51	
	For 316 Stainless Steel, Add	15.17	
	For Aluminum, Add	0.85	
	For Galvanized Steel, Add	2.94	
05 12 23 00-0789	LF 3/8" Thick x 4" Wide Flat Steel Bar	15.29	3.87
	For 304 Stainless Steel, Add	27.02	
	For 316 Stainless Steel, Add	30.34	
	For Aluminum, Add	1.71	
	For Galvanized Steel, Add	5.88	
05 12 23 00-0790	LF 3/8" Thick x 6" Wide Flat Steel Bar	21.95	5.73
	For 304 Stainless Steel, Add	38.02	
	For 316 Stainless Steel, Add	42.69	
	For Aluminum, Add	2.40	
	For Galvanized Steel, Add	8.27	
05 12 23 00-0791 1/2" Thick (05 12 23 00-0770)			
05 12 23 00-0792	LF 1/2" Thick x 1" Wide Flat Steel Bar	7.03	2.48
	For 304 Stainless Steel, Add	9.38	
	For 316 Stainless Steel, Add	10.53	
	For Aluminum, Add	0.59	
	For Galvanized Steel, Add	2.04	
05 12 23 00-0793	LF 1/2" Thick x 2" Wide Flat Steel Bar	11.66	3.74
	For 304 Stainless Steel, Add	17.24	
	For 316 Stainless Steel, Add	19.36	
	For Aluminum, Add	1.09	
	For Galvanized Steel, Add	3.75	
05 12 23 00-0794	LF 1/2" Thick x 4" Wide Flat Steel Bar	16.71	4.25
	For 304 Stainless Steel, Add	29.38	
	For 316 Stainless Steel, Add	32.99	
	For Aluminum, Add	1.86	
	For Galvanized Steel, Add	6.39	
05 12 23 00-0795	LF 1/2" Thick x 6" Wide Flat Steel Bar	30.04	6.31
	For 304 Stainless Steel, Add	58.62	
	For 316 Stainless Steel, Add	65.82	
	For Aluminum, Add	3.70	
	For Galvanized Steel, Add	12.75	
05 12 23 00-0796 Flat Steel Plate (05 12 23 00-0422)			
05 12 23 00-0797	SF 1/8" Thick Flat Steel Plate	17.65	6.59
	For 304 Stainless Steel, Add	22.12	
	For 316 Stainless Steel, Add	24.83	
	For Aluminum, Add	1.40	
	For Galvanized Steel, Add	4.81	
05 12 23 00-0798	SF 3/16" Thick Flat Steel Plate	19.96	6.82
	For 304 Stainless Steel, Add	27.67	
	For 316 Stainless Steel, Add	31.07	
	For Aluminum, Add	1.75	
	For Galvanized Steel, Add	6.02	
05 12 23 00-0799	SF 1/4" Thick Flat Steel Plate	23.85	7.64
	For 304 Stainless Steel, Add	35.28	
	For 316 Stainless Steel, Add	39.62	
	For Aluminum, Add	2.23	
	For Galvanized Steel, Add	7.68	
05 12 23 00-0800	SF 3/8" Thick Flat Steel Plate	32.33	8.60
	For 304 Stainless Steel, Add	55.38	
	For 316 Stainless Steel, Add	62.18	
	For Aluminum, Add	3.50	
	For Galvanized Steel, Add	12.05	
05 12 23 00-0801	SF 1/2" Thick Flat Steel Plate	38.40	9.46
	For 304 Stainless Steel, Add	69.00	
	For 316 Stainless Steel, Add	77.47	
	For Aluminum, Add	4.36	
	For Galvanized Steel, Add	15.01	
05 12 23 00-0802	SF 3/4" Thick Flat Steel Plate	63.15	11.72
	For 304 Stainless Steel, Add	129.39	
	For 316 Stainless Steel, Add	145.28	
	For Aluminum, Add	8.17	
	For Galvanized Steel, Add	28.15	
05 12 23 00-0803	SF 1" Thick Flat Steel Plate	84.34	14.65
	For 304 Stainless Steel, Add	177.16	
	For 316 Stainless Steel, Add	198.91	
	For Aluminum, Add	11.19	
	For Galvanized Steel, Add	38.54	

05 14 Structural Aluminum Framing (05 10)**05 14 13 Architecturally-Exposed Structural Aluminum Framing** (05 14)

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 14 13 00-0001		Rolled Or Plate Shapes (05 14 13) Note: 1" through 10" member.		
05 14 13 00-0002	LB	Structural Aluminum, Up To 2,000 Lb. / Order 1" To 10" Rolled / Plate Structural Members.....	9.44	0.89
05 14 13 00-0003	LB	Structural Aluminum, >2,000 - 9,999 Lb. / Order 1" To 10" Rolled / Plate Structural Members	8.32	0.82
05 14 13 00-0004		Aluminum Extrusions (05 14 13)		
05 14 13 00-0005	LB	Aluminum Extrusions, Stock Shapes 1" To 10" Rolled / Plate Structural Members	15.31	3.68
05 14 13 00-0006	LB	Aluminum Extrusions, Custom Shapes 1" To 10" Rolled / Plate Structural Members.....	16.23	3.68
05 14 13 00-0007		Aluminum Tubing (05 14 13)		
05 14 13 00-0008	LB	Aluminum Extrusions, Tubular Shapes 1" To 10" Rolled / Plate Structural Members	13.69	2.25
05 14 13 00-0009	LF	1" x 1" Aluminum Tubing, 1/8" Wall Thickness	12.15	3.65
05 14 13 00-0010	LF	1-1/4" x 1-1/4" Aluminum Tubing, 1/8" Wall Thickness	14.73	3.98
05 14 13 00-0011	LF	1-1/2" x 1-1/2" Aluminum Tubing, 1/8" Wall Thickness	16.92	4.63
05 14 13 00-0012	LF	2" x 2" Aluminum Tubing, 1/8" Wall Thickness	20.16	4.98
05 14 13 00-0013	LF	4" x 4" Aluminum Tubing, 1/4" Wall Thickness	59.60	6.31
05 14 13 00-0014	LF	2" x 5" Aluminum Tubing, 1/4" Wall Thickness	48.77	5.64
05 14 13 00-0015		Columns (05 14 13) Note: Baked on paint finish, load bearing.		
05 14 13 00-0016		Round Columns (05 14 13 00-0015)		
05 14 13 00-0017	LF	6" Diameter Aluminum Column	54.61	7.09
05 14 13 00-0018	LF	8" Diameter Aluminum Column	72.63	10.16
05 14 13 00-0019	LF	10" Diameter Aluminum Column	88.85	11.44
05 14 13 00-0020	LF	12" Diameter Aluminum Column	134.63	11.96
05 14 13 00-0021	LF	15" Diameter Aluminum Column	172.15	13.87
05 14 13 00-0022	EA	6" Diameter Aluminum Base And Cap	106.43	13.23
05 14 13 00-0023	EA	8" Diameter Aluminum Base And Cap	122.03	14.29
05 14 13 00-0024	EA	10" Diameter Aluminum Base And Cap	154.60	15.88
05 14 13 00-0025	EA	12" Diameter Aluminum Base And Cap	269.91	16.93
05 14 13 00-0026	EA	15" Diameter Aluminum Base And Cap	415.20	18.52
05 14 13 00-0027		Octagonal Columns (05 14 13 00-0015)		
05 14 13 00-0028	LF	6" Diameter Aluminum Column	61.17	7.09
05 14 13 00-0029	LF	8" Diameter Aluminum Column	83.08	10.16
05 14 13 00-0030	LF	10" Diameter Aluminum Column	102.05	11.44
05 14 13 00-0031	LF	12" Diameter Aluminum Column	156.79	11.96
05 14 13 00-0032	LF	15" Diameter Aluminum Column	201.05	13.87
05 14 13 00-0033	EA	6" Diameter Aluminum Base And Cap	122.42	13.23
05 14 13 00-0034	EA	8" Diameter Aluminum Base And Cap	140.73	14.29
05 14 13 00-0035	EA	10" Diameter Aluminum Base And Cap	179.17	15.88
05 14 13 00-0036	EA	12" Diameter Aluminum Base And Cap	317.12	16.93
05 14 13 00-0037	EA	15" Diameter Aluminum Base And Cap	490.83	18.52
05 14 13 00-0038		Fluted Columns (05 14 13 00-0015)		
05 14 13 00-0039	LF	6" Diameter Aluminum Column	68.24	7.09
05 14 13 00-0040	LF	8" Diameter Aluminum Column	92.49	10.16
05 14 13 00-0041	LF	10" Diameter Aluminum Column	113.92	11.44
05 14 13 00-0042	LF	12" Diameter Aluminum Column	176.73	11.96
05 14 13 00-0043	LF	15" Diameter Aluminum Column	227.06	13.87
05 14 13 00-0044	EA	6" Diameter Aluminum Base And Cap	136.81	13.23
05 14 13 00-0045	EA	8" Diameter Aluminum Base And Cap	157.55	14.29
05 14 13 00-0046	EA	10" Diameter Aluminum Base And Cap	201.28	15.88
05 14 13 00-0047	EA	12" Diameter Aluminum Base And Cap	359.61	16.93
05 14 13 00-0048	EA	15" Diameter Aluminum Base And Cap	558.90	18.52
05 14 13 00-0049		Square Columns (05 14 13 00-0015)		
05 14 13 00-0050	LF	6" Aluminum Column	73.07	7.09
05 14 13 00-0051	LF	8" Aluminum Column	98.92	10.16
05 14 13 00-0052	LF	10" Aluminum Column	122.05	11.44
05 14 13 00-0053	LF	12" Aluminum Column	190.37	11.96
05 14 13 00-0054	LF	15" Aluminum Column	244.85	13.87
05 14 13 00-0055	EA	6" Aluminum Base And Cap	146.66	13.23
05 14 13 00-0056	EA	8" Aluminum Base And Cap	169.05	14.29
05 14 13 00-0057	EA	10" Aluminum Base And Cap	216.40	15.88
05 14 13 00-0058	EA	12" Aluminum Base And Cap	388.67	16.93
05 14 13 00-0059	EA	15" Aluminum Base And Cap	605.45	18.52
05 14 13 00-0060		Ornamental Or Decorative Cap And Bases (05 14 13 00-0015)		
05 14 13 00-0061	EA	8" Corinthian Capital And Base	845.87	15.88
05 14 13 00-0062	EA	10" Corinthian Capital And Base	1,246.04	18.52
05 14 13 00-0063	EA	12" Corinthian Capital And Base	1,973.25	21.17
05 14 13 00-0064	EA	8" Scamozzi Capital And Base	417.94	15.88
05 14 13 00-0065	EA	10" Scamozzi Capital And Base	560.66	18.52
05 14 13 00-0066	EA	12" Scamozzi Capital And Base	1,132.00	21.17

05 Metals**05 10 Structural Metal Framing****05 14 Structural Aluminum Framing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
05 15 Wire Rope Assemblies (05 10)**05 15 16 Steel Wire Rope Assemblies** (05 15)**05 15 16 00-0001 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope** (05 15 16)

05 15 16 00-0002	LF	1/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	1.65	0.11
		For >500, Deduct.....	-0.29	
05 15 16 00-0003	LF	5/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	2.22	0.11
		For >500, Deduct.....	-0.39	
05 15 16 00-0004	LF	3/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	2.63	0.22
		For >500, Deduct.....	-0.44	
05 15 16 00-0005	LF	7/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	3.17	0.22
		For >500, Deduct.....	-0.52	
05 15 16 00-0006	LF	1/2" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	3.66	0.33
		For >500, Deduct.....	-0.58	
05 15 16 00-0007	LF	9/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	4.49	0.43
		For >500, Deduct.....	-0.70	
05 15 16 00-0008	LF	5/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	5.35	0.43
		For >500, Deduct.....	-0.83	
05 15 16 00-0009	LF	3/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	7.41	0.77
		For >500, Deduct.....	-1.14	
05 15 16 00-0010	LF	7/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	9.97	0.88
		For >500, Deduct.....	-1.53	
05 15 16 00-0011	LF	1" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	12.39	1.20
		For >500, Deduct.....	-1.86	
05 15 16 00-0012	LF	1-1/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	15.32	1.53
		For >500, Deduct.....	-2.30	
05 15 16 00-0013	LF	1-1/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	18.68	1.85
		For >500, Deduct.....	-2.80	

05 15 16 00-0014 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope (05 15 16)

05 15 16 00-0015	LF	1/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	1.95	0.11
		For >500, Deduct.....	-0.35	
05 15 16 00-0016	LF	5/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	2.52	0.11
		For >500, Deduct.....	-0.45	
05 15 16 00-0017	LF	3/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	3.12	0.22
		For >500, Deduct.....	-0.54	
05 15 16 00-0018	LF	7/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	3.54	0.22
		For >500, Deduct.....	-0.59	
05 15 16 00-0019	LF	1/2" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	4.21	0.33
		For >500, Deduct.....	-0.69	
05 15 16 00-0020	LF	9/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	4.84	0.43
		For >500, Deduct.....	-0.77	
05 15 16 00-0021	LF	5/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	5.65	0.43
		For >500, Deduct.....	-0.89	
05 15 16 00-0022	LF	3/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	8.29	0.77
		For >500, Deduct.....	-1.31	
05 15 16 00-0023	LF	7/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	10.61	0.88
		For >500, Deduct.....	-1.65	
05 15 16 00-0024	LF	1" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	13.04	1.20
		For >500, Deduct.....	-2.00	
05 15 16 00-0025	LF	1-1/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	16.70	1.53
		For >500, Deduct.....	-2.56	
05 15 16 00-0026	LF	1-1/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	20.31	1.85
		For >500, Deduct.....	-3.12	

05 15 16 00-0027 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope (05 15 16)

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0028	LF	1/4" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope..... <i>For >500, Deduct</i>	1.54 -0.27	0.11
05 15 16 00-0029	LF	5/16" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope..... <i>For >500, Deduct</i>	2.09 -0.36	0.11
05 15 16 00-0030	LF	3/8" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope..... <i>For >500, Deduct</i>	2.47 -0.41	0.22
05 15 16 00-0031	LF	7/16" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope..... <i>For >500, Deduct</i>	2.90 -0.46	0.22
05 15 16 00-0032	LF	1/2" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope..... <i>For >500, Deduct</i>	3.49 -0.55	0.33
05 15 16 00-0033	LF	9/16" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope..... <i>For >500, Deduct</i>	4.41 -0.69	0.43
05 15 16 00-0034	LF	5/8" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope..... <i>For >500, Deduct</i>	5.14 -0.79	0.43
05 15 16 00-0035	LF	3/4" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope..... <i>For >500, Deduct</i>	7.22 -1.10	0.77
05 15 16 00-0036	LF	7/8" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope..... <i>For >500, Deduct</i>	8.82 -1.30	0.88
05 15 16 00-0037	LF	1" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope..... <i>For >500, Deduct</i>	11.18 -1.62	1.20
05 15 16 00-0038 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope (05 15 16)				
05 15 16 00-0039	LF	1/4" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope..... <i>For >500, Deduct</i>	1.52 -0.27	0.11
05 15 16 00-0040	LF	5/16" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope..... <i>For >500, Deduct</i>	2.01 -0.34	0.11
05 15 16 00-0041	LF	3/8" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope..... <i>For >500, Deduct</i>	2.47 -0.41	0.22
05 15 16 00-0042	LF	7/16" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope..... <i>For >500, Deduct</i>	2.90 -0.46	0.22
05 15 16 00-0043	LF	1/2" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope..... <i>For >500, Deduct</i>	3.64 -0.58	0.33
05 15 16 00-0044	LF	9/16" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope..... <i>For >500, Deduct</i>	4.33 -0.67	0.43
05 15 16 00-0045	LF	5/8" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope..... <i>For >500, Deduct</i>	5.43 -0.85	0.43
05 15 16 00-0046	LF	3/4" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope..... <i>For >500, Deduct</i>	7.57 -1.17	0.77
05 15 16 00-0047	LF	7/8" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope..... <i>For >500, Deduct</i>	9.89 -1.51	0.88
05 15 16 00-0048	LF	1" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope..... <i>For >500, Deduct</i>	12.18 -1.83	1.20
05 15 16 00-0049 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope (05 15 16)				
05 15 16 00-0050	LF	3/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope..... <i>For >500, Deduct</i>	2.80 -0.48	0.22
05 15 16 00-0051	LF	7/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope..... <i>For >500, Deduct</i>	3.29 -0.54	0.22
05 15 16 00-0052	LF	1/2" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope..... <i>For >500, Deduct</i>	3.84 -0.62	0.33
05 15 16 00-0053	LF	9/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope..... <i>For >500, Deduct</i>	5.17 -0.84	0.43
05 15 16 00-0054	LF	5/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope..... <i>For >500, Deduct</i>	5.69 -0.90	0.43
05 15 16 00-0055	LF	3/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope..... <i>For >500, Deduct</i>	7.74 -1.20	0.77
05 15 16 00-0056	LF	7/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope..... <i>For >500, Deduct</i>	9.93 -1.52	0.88
05 15 16 00-0057	LF	1" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope..... <i>For >500, Deduct</i>	13.07 -2.00	1.20
05 15 16 00-0058	LF	1-1/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope..... <i>For >500, Deduct</i>	15.83 -2.40	1.53
05 15 16 00-0059	LF	1-1/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope..... <i>For >500, Deduct</i>	19.10 -2.88	1.85
05 15 16 00-0060 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope (05 15 16)				
05 15 16 00-0061	LF	3/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope..... <i>For >500, Deduct</i>	2.88 -0.49	0.22

05 Metals**05 10 Structural Metal Framing****05 15 Wire Rope Assemblies**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
05 15 16 00-0062	LF 7/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope <i>For >500, Deduct</i>	3.48 -0.58		0.22	
05 15 16 00-0063	LF 1/2" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope <i>For >500, Deduct</i>	4.11 -0.67		0.33	
05 15 16 00-0064	LF 9/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope <i>For >500, Deduct</i>	5.76 -0.96		0.43	
05 15 16 00-0065	LF 5/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope <i>For >500, Deduct</i>	5.78 -0.92		0.43	
05 15 16 00-0066	LF 3/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope <i>For >500, Deduct</i>	7.94 -1.24		0.77	
05 15 16 00-0067	LF 7/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope <i>For >500, Deduct</i>	10.51 -1.63		0.88	
05 15 16 00-0068	LF 1" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope <i>For >500, Deduct</i>	13.27 -2.04		1.20	
05 15 16 00-0069 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope (05 15 16)					
05 15 16 00-0070	LF 1/4" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope <i>For >500, Deduct</i>	3.00 -0.56		0.11	
05 15 16 00-0071	LF 5/16" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope <i>For >500, Deduct</i>	3.23 -0.59		0.11	
05 15 16 00-0072	LF 3/8" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope <i>For >500, Deduct</i>	3.80 -0.68		0.22	
05 15 16 00-0073	LF 7/16" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope <i>For >500, Deduct</i>	5.10 -0.90		0.22	
05 15 16 00-0074	LF 1/2" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope <i>For >500, Deduct</i>	5.82 -1.05		0.22	
05 15 16 00-0075	LF 9/16" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope <i>For >500, Deduct</i>	6.69 -1.15		0.43	
05 15 16 00-0076	LF 5/8" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope <i>For >500, Deduct</i>	7.96 -1.36		0.43	
05 15 16 00-0077	LF 3/4" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope <i>For >500, Deduct</i>	10.95 -1.86		0.65	
05 15 16 00-0078 7x7, Galvanized Finish, Aircraft Cable (05 15 16)					
05 15 16 00-0079	LF 1/16" Diameter, 7x7, Galvanized Finish, Aircraft Cable <i>For >500, Deduct</i>	0.34 -0.04		0.08	
05 15 16 00-0080	LF 3/32" Diameter, 7x7, Galvanized Finish, Aircraft Cable <i>For >500, Deduct</i>	0.38 -0.05		0.09	
05 15 16 00-0081	LF 1/8" Diameter, 7x7, Galvanized Finish, Aircraft Cable <i>For >500, Deduct</i>	0.42 -0.05		0.10	
05 15 16 00-0082	LF 5/32" Diameter, 7x7, Galvanized Finish, Aircraft Cable <i>For >500, Deduct</i>	0.49 -0.06		0.11	
05 15 16 00-0083	LF 3/16" Diameter, 7x7, Galvanized Finish, Aircraft Cable <i>For >500, Deduct</i>	0.60 -0.08		0.11	
05 15 16 00-0084 7x19, Galvanized Finish, Aircraft Cable (05 15 16)					
05 15 16 00-0085	LF 1/8" Diameter, 7x19, Galvanized Finish, Aircraft Cable <i>For >500, Deduct</i>	0.60 -0.09		0.10	
05 15 16 00-0086	LF 5/32" Diameter, 7x19, Galvanized Finish, Aircraft Cable <i>For >500, Deduct</i>	0.65 -0.09		0.11	
05 15 16 00-0087	LF 3/16" Diameter, 7x19, Galvanized Finish, Aircraft Cable <i>For >500, Deduct</i>	0.74 -0.11		0.11	
05 15 16 00-0088	LF 1/4" Diameter, 7x19, Galvanized Finish, Aircraft Cable <i>For >500, Deduct</i>	0.87 -0.14		0.11	
05 15 16 00-0089	LF 5/16" Diameter, 7x19, Galvanized Finish, Aircraft Cable <i>For >500, Deduct</i>	1.33 -0.21		0.11	
05 15 16 00-0090	LF 3/8" Diameter, 7x19, Galvanized Finish, Aircraft Cable <i>For >500, Deduct</i>	1.77 -0.27		0.11	
05 15 16 00-0091 Heavy-Duty, Galvanized Steel, Wire Rope Thimbles (05 15 16)					
05 15 16 00-0092	EA 1/4" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble	14.10		3.28	
05 15 16 00-0093	EA 5/16" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble	16.05		3.28	
05 15 16 00-0094	EA 3/8" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble	18.22		3.28	
05 15 16 00-0095	EA 7/16" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble	24.18		3.28	
05 15 16 00-0096	EA 1/2" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble	24.21		3.28	
05 15 16 00-0097	EA 9/16" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble	24.21		3.28	
05 15 16 00-0098	EA 5/8" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble	26.23		3.28	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0099	EA	3/4" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble.....	48.06	5.03
05 15 16 00-0100	EA	7/8" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble.....	56.68	6.12
05 15 16 00-0101	EA	1" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble.....	101.04	10.05
05 15 16 00-0102	EA	1-1/8" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble.....	145.16	13.66
05 15 16 00-0103	EA	1-1/4" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble.....	145.16	13.66
05 15 16 00-0104 Galvanized Steel, Wire Rope Clips (05 15 16)				
05 15 16 00-0105	EA	1/8" Diameter, Galvanized Steel, Wire Rope Clip.....	17.00	3.28
05 15 16 00-0106	EA	3/16" Diameter, Galvanized Steel, Wire Rope Clip.....	17.38	3.28
05 15 16 00-0107	EA	1/4" Diameter, Galvanized Steel, Wire Rope Clip.....	19.95	3.28
05 15 16 00-0108	EA	5/16" Diameter, Galvanized Steel, Wire Rope Clip.....	20.35	3.28
05 15 16 00-0109	EA	3/8" Diameter, Galvanized Steel, Wire Rope Clip.....	20.93	3.28
05 15 16 00-0110	EA	7/16" Diameter, Galvanized Steel, Wire Rope Clip.....	26.45	3.28
05 15 16 00-0111	EA	1/2" Diameter, Galvanized Steel, Wire Rope Clip.....	26.88	3.28
05 15 16 00-0112	EA	9/16" Diameter, Galvanized Steel, Wire Rope Clip.....	30.86	3.28
05 15 16 00-0113	EA	5/8" Diameter, Galvanized Steel, Wire Rope Clip.....	31.43	3.28
05 15 16 00-0114	EA	3/4" Diameter, Galvanized Steel, Wire Rope Clip.....	42.98	4.37
05 15 16 00-0115	EA	7/8" Diameter, Galvanized Steel, Wire Rope Clip.....	64.21	6.56
05 15 16 00-0116	EA	1" Diameter, Galvanized Steel, Wire Rope Clip.....	70.73	6.56
05 15 16 00-0117	EA	1-1/8" Diameter, Galvanized Steel, Wire Rope Clip.....	82.96	8.74
05 15 16 00-0118	EA	1-1/4" Diameter, Galvanized Steel, Wire Rope Clip.....	120.46	13.12
05 15 16 00-0119 Steel, Open Swage Sockets (05 15 16)				
05 15 16 00-0120	EA	1/4" Diameter, Steel, Open Swage Socket.....	97.14	3.28
05 15 16 00-0121	EA	5/16" Diameter, Steel, Open Swage Socket.....	155.34	3.28
05 15 16 00-0122	EA	3/8" Diameter, Steel, Open Swage Socket.....	159.66	4.37
05 15 16 00-0123	EA	7/16" Diameter, Steel, Open Swage Socket.....	189.60	5.47
05 15 16 00-0124	EA	1/2" Diameter, Steel, Open Swage Socket.....	189.60	5.47
05 15 16 00-0125	EA	9/16" Diameter, Steel, Open Swage Socket.....	276.08	12.03
05 15 16 00-0126	EA	5/8" Diameter, Steel, Open Swage Socket.....	276.08	12.03
05 15 16 00-0127	EA	3/4" Diameter, Steel, Open Swage Socket.....	350.50	22.96
05 15 16 00-0128	EA	7/8" Diameter, Steel, Open Swage Socket.....	471.30	32.79
05 15 16 00-0129	EA	1" Diameter, Steel, Open Swage Socket.....	662.00	50.28
05 15 16 00-0130	EA	1-1/8" Diameter, Steel, Open Swage Socket.....	865.14	78.70
05 15 16 00-0131	EA	1-1/4" Diameter, Steel, Open Swage Socket.....	1,007.21	90.73
05 15 16 00-0132 Steel, Closed Swage Sockets (05 15 16)				
05 15 16 00-0133	EA	1/4" Diameter, Steel, Closed Swage Socket.....	77.96	3.28
05 15 16 00-0134	EA	5/16" Diameter, Steel, Closed Swage Socket.....	105.86	3.28
05 15 16 00-0135	EA	3/8" Diameter, Steel, Closed Swage Socket.....	105.86	3.28
05 15 16 00-0136	EA	7/16" Diameter, Steel, Closed Swage Socket.....	131.80	4.37
05 15 16 00-0137	EA	1/2" Diameter, Steel, Closed Swage Socket.....	133.00	4.37
05 15 16 00-0138	EA	9/16" Diameter, Steel, Closed Swage Socket.....	181.80	7.66
05 15 16 00-0139	EA	5/8" Diameter, Steel, Closed Swage Socket.....	187.01	8.74
05 15 16 00-0140	EA	3/4" Diameter, Steel, Closed Swage Socket.....	230.48	14.21
05 15 16 00-0141	EA	7/8" Diameter, Steel, Closed Swage Socket.....	297.09	20.77
05 15 16 00-0142	EA	1" Diameter, Steel, Closed Swage Socket.....	424.99	28.42
05 15 16 00-0143	EA	1-1/8" Diameter, Steel, Closed Swage Socket.....	525.60	39.35
05 15 16 00-0144	EA	1-1/4" Diameter, Steel, Closed Swage Socket.....	709.93	61.21
05 15 16 00-0145 Galvanized Steel, Open Spelter Sockets (05 15 16)				
05 15 16 00-0146	EA	1/4" Galvanized Steel, Open Spelter Socket.....	163.27	3.28
05 15 16 00-0147	EA	5/16" Galvanized Steel, Open Spelter Socket.....	167.23	3.28
05 15 16 00-0148	EA	3/8" Galvanized Steel, Open Spelter Socket.....	167.23	3.28
05 15 16 00-0149	EA	7/16" Galvanized Steel, Open Spelter Socket.....	186.02	6.56
05 15 16 00-0150	EA	1/2" Galvanized Steel, Open Spelter Socket.....	186.02	6.56
05 15 16 00-0151	EA	9/16" Galvanized Steel, Open Spelter Socket.....	243.08	10.93
05 15 16 00-0152	EA	5/8" Galvanized Steel, Open Spelter Socket.....	243.08	10.93
05 15 16 00-0153	EA	3/4" Galvanized Steel, Open Spelter Socket.....	306.88	16.40
05 15 16 00-0154	EA	7/8" Galvanized Steel, Open Spelter Socket.....	458.24	27.33
05 15 16 00-0155	EA	1" Galvanized Steel, Open Spelter Socket.....	836.04	42.63
05 15 16 00-0156	EA	1-1/8" Galvanized Steel, Open Spelter Socket.....	976.17	68.87
05 15 16 00-0157	EA	1-1/4" Galvanized Steel, Open Spelter Socket.....	1,319.90	90.73
05 15 16 00-0158 Galvanized Steel, Closed Spelter Sockets (05 15 16)				
05 15 16 00-0159	EA	1/4" Galvanized Steel, Closed Spelter Socket.....	136.74	3.28
05 15 16 00-0160	EA	5/16" Galvanized Steel, Closed Spelter Socket.....	137.27	3.28
05 15 16 00-0161	EA	3/8" Galvanized Steel, Closed Spelter Socket.....	137.27	3.28
05 15 16 00-0162	EA	7/16" Galvanized Steel, Closed Spelter Socket.....	153.20	5.47
05 15 16 00-0163	EA	1/2" Galvanized Steel, Closed Spelter Socket.....	153.20	5.47
05 15 16 00-0164	EA	9/16" Galvanized Steel, Closed Spelter Socket.....	213.52	9.84
05 15 16 00-0165	EA	5/8" Galvanized Steel, Closed Spelter Socket.....	213.52	9.84
05 15 16 00-0166	EA	3/4" Galvanized Steel, Closed Spelter Socket.....	260.89	14.21
05 15 16 00-0167	EA	7/8" Galvanized Steel, Closed Spelter Socket.....	380.61	21.86
05 15 16 00-0168	EA	1" Galvanized Steel, Closed Spelter Socket.....	574.38	33.89
05 15 16 00-0169	EA	1-1/8" Galvanized Steel, Closed Spelter Socket.....	751.64	45.91
05 15 16 00-0170	EA	1-1/4" Galvanized Steel, Closed Spelter Socket.....	945.81	61.21

05 Metals**05 10 Structural Metal Framing****05 15 Wire Rope Assemblies**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 15 16 00-0171 Forged Steel, Jaw And Jaw Turnbuckles (05 15 16)			
05 15 16 00-0172	EA	1/4" x 4", Forged Steel, Jaw And Jaw Turnbuckle	93.73
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-12.42
05 15 16 00-0173	EA	5/16" x 4-1/2", Forged Steel, Jaw And Jaw Turnbuckle	100.62
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-13.45
05 15 16 00-0174	EA	3/8" x 6", Forged Steel, Jaw And Jaw Turnbuckle	113.37
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-15.37
05 15 16 00-0175	EA	1/2" x 6", Forged Steel, Jaw And Jaw Turnbuckle	124.95
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-15.99
05 15 16 00-0176	EA	1/2" x 9", Forged Steel, Jaw And Jaw Turnbuckle	164.59
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-21.27
05 15 16 00-0177	EA	1/2" x 12", Forged Steel, Jaw And Jaw Turnbuckle	186.94
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-24.09
05 15 16 00-0178	EA	5/8" x 6", Forged Steel, Jaw And Jaw Turnbuckle	189.49
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-23.38
05 15 16 00-0179	EA	5/8" x 9", Forged Steel, Jaw And Jaw Turnbuckle	235.05
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-29.79
05 15 16 00-0180	EA	5/8" x 12", Forged Steel, Jaw And Jaw Turnbuckle	267.17
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-34.22
05 15 16 00-0181	EA	3/4" x 6", Forged Steel, Jaw And Jaw Turnbuckle	255.36
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-31.33
05 15 16 00-0182	EA	3/4" x 9", Forged Steel, Jaw And Jaw Turnbuckle	290.15
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-34.89
05 15 16 00-0183	EA	3/4" x 12", Forged Steel, Jaw And Jaw Turnbuckle	359.39
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-44.54
05 15 16 00-0184	EA	3/4" x 18", Forged Steel, Jaw And Jaw Turnbuckle	432.32
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-53.54
05 15 16 00-0185	EA	7/8" x 12", Forged Steel, Jaw And Jaw Turnbuckle	489.82
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-57.86
05 15 16 00-0186	EA	7/8" x 18", Forged Steel, Jaw And Jaw Turnbuckle	594.71
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-70.99
05 15 16 00-0187	EA	1" x 6", Forged Steel, Jaw And Jaw Turnbuckle	509.34
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-60.78
05 15 16 00-0188	EA	1" x 12", Forged Steel, Jaw And Jaw Turnbuckle	580.62
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-66.60
05 15 16 00-0189	EA	1" x 18", Forged Steel, Jaw And Jaw Turnbuckle	798.52
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-94.55
05 15 16 00-0190	EA	1" x 24", Forged Steel, Jaw And Jaw Turnbuckle	891.62
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-103.93
05 15 16 00-0191	EA	1-1/4" x 12", Forged Steel, Jaw And Jaw Turnbuckle	990.84
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-112.19
05 15 16 00-0192	EA	1-1/4" x 18", Forged Steel, Jaw And Jaw Turnbuckle	1,198.80
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-138.83
05 15 16 00-0193	EA	1-1/4" x 24", Forged Steel, Jaw And Jaw Turnbuckle	1,558.01
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-186.86
05 15 16 00-0194	EA	1-1/2" x 12", Forged Steel, Jaw And Jaw Turnbuckle	1,537.00
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-180.10
05 15 16 00-0195	EA	1-1/2" x 18", Forged Steel, Jaw And Jaw Turnbuckle	1,682.93
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-186.86
05 15 16 00-0196	EA	1-1/2" x 24", Forged Steel, Jaw And Jaw Turnbuckle	3,060.48
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-377.09
05 15 16 00-0197	EA	2" x 24", Forged Steel, Jaw And Jaw Turnbuckle	4,995.28
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-585.33

05 15 16 00-0198 Galvanized Steel, Drop Forged, Shoulder Eye Bolts (05 15 16)

05 15 16 00-0199	EA	1/4" Diameter Thread, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	19.89
05 15 16 00-0200	EA	5/16" Diameter Thread, 7/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	19.98
05 15 16 00-0201	EA	3/8" Diameter Thread, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	22.57
05 15 16 00-0202	EA	7/16" Diameter Thread, 1-3/32" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	26.99
05 15 16 00-0203	EA	1/2" Diameter Thread, 1-3/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	26.87
05 15 16 00-0204	EA	5/8" Diameter Thread, 1-3/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	36.85
05 15 16 00-0205	EA	3/4" Diameter Thread, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	44.38
05 15 16 00-0206	EA	7/8" Diameter Thread, 1-11/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	60.11
05 15 16 00-0207	EA	1" Diameter Thread, 1-13/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	80.85
05 15 16 00-0208	EA	1-1/8" Diameter Thread, 2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	117.89
05 15 16 00-0209	EA	1-1/4" Diameter Thread, 2-3/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	140.33
05 15 16 00-0210	EA	1-1/2" Diameter Thread, 2-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	255.66
05 15 16 00-0211	EA	1-3/4" Diameter Thread, 2-7/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	293.28
05 15 16 00-0212	EA	2" Diameter Thread, 3-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	362.87

05 15 16 00-0213 Galvanized Steel, Drop Forged, Eye Bolts (05 15 16)

05 15 16 00-0214	EA	1/4" Diameter Thread, 3" Shank Length, 1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	26.28
05 15 16 00-0215	EA	1/4" Diameter Thread, 4" Shank Length, 1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	23.66
05 15 16 00-0216	EA	5/16" Diameter Thread, 2-1/4" Shank Length, 5/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	32.28
05 15 16 00-0217	EA	5/16" Diameter Thread, 4-1/4" Shank Length, 5/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	21.50
05 15 16 00-0218	EA	3/8" Diameter Thread, 2-1/2" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	29.21
05 15 16 00-0219	EA	3/8" Diameter Thread, 3" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	44.27
05 15 16 00-0220	EA	3/8" Diameter Thread, 4" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	42.89
05 15 16 00-0221	EA	3/8" Diameter Thread, 4-1/2" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	40.73
05 15 16 00-0222	EA	3/8" Diameter Thread, 5" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	36.46
05 15 16 00-0223	EA	3/8" Diameter Thread, 6" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	37.65
05 15 16 00-0224	EA	1/2" Diameter Thread, 2" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	33.20
05 15 16 00-0225	EA	1/2" Diameter Thread, 3" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	26.35
05 15 16 00-0226	EA	1/2" Diameter Thread, 3-1/4" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	34.48

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0227	EA	1/2" Diameter Thread, 4" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	47.28	
05 15 16 00-0228	EA	1/2" Diameter Thread, 4-1/2" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	35.77	
05 15 16 00-0229	EA	1/2" Diameter Thread, 6" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	57.88	
05 15 16 00-0230	EA	1/2" Diameter Thread, 8" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	50.86	
05 15 16 00-0231	EA	1/2" Diameter Thread, 10" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	46.35	
05 15 16 00-0232	EA	1/2" Diameter Thread, 12" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	54.62	
05 15 16 00-0233	EA	5/8" Diameter Thread, 4" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	55.42	
05 15 16 00-0234	EA	5/8" Diameter Thread, 4-1/2" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	49.28	
05 15 16 00-0235	EA	5/8" Diameter Thread, 6" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	62.14	
05 15 16 00-0236	EA	5/8" Diameter Thread, 8" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	71.32	
05 15 16 00-0237	EA	5/8" Diameter Thread, 10" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	82.34	
05 15 16 00-0238	EA	5/8" Diameter Thread, 12" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	67.90	
05 15 16 00-0239	EA	3/4" Diameter Thread, 4-1/2" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	67.91	
05 15 16 00-0240	EA	3/4" Diameter Thread, 6" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	69.27	
05 15 16 00-0241	EA	3/4" Diameter Thread, 8" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	76.62	
05 15 16 00-0242	EA	3/4" Diameter Thread, 10" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	82.68	
05 15 16 00-0243	EA	3/4" Diameter Thread, 12" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	96.73	
05 15 16 00-0244	EA	1" Diameter Thread, 8" Shank Length, 2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	128.25	

05 15 19 Stainless Steel Wire Rope Assemblies (05 15)

05 15 19 00-0001	7x7, 304 Stainless Steel, Aircraft Cable (05 15 19)		
05 15 19 00-0002	LF 1/16" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable	0.27	0.08
	For >500, Deduct	-0.03	
05 15 19 00-0003	LF 3/32" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable	0.33	0.09
	For >500, Deduct	-0.04	
05 15 19 00-0004	LF 1/8" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable	0.44	0.10
	For >500, Deduct	-0.06	
05 15 19 00-0005	LF 5/32" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable	0.57	0.11
	For >500, Deduct	-0.08	
05 15 19 00-0006	LF 3/16" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable	0.70	0.11
	For >500, Deduct	-0.10	

05 15 19 00-0007 7x19, 304 Stainless Steel, Aircraft Cable (05 15 19)

05 15 19 00-0008	LF 1/8" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable	0.49	0.10
	For >500, Deduct	-0.07	
05 15 19 00-0009	LF 5/32" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable	0.58	0.11
	For >500, Deduct	-0.08	
05 15 19 00-0010	LF 3/16" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable	0.67	0.11
	For >500, Deduct	-0.09	
05 15 19 00-0011	LF 1/4" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable	0.83	0.11
	For >500, Deduct	-0.13	
05 15 19 00-0012	LF 5/16" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable	1.27	0.11
	For >500, Deduct	-0.20	
05 15 19 00-0013	LF 3/8" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable	1.90	0.22
	For >500, Deduct	-0.30	

05 15 19 00-0014 7x7, 316 Stainless Steel, Aircraft Cable (05 15 19)

05 15 19 00-0015	LF 1/16" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable	0.27	0.08
	For >500, Deduct	-0.03	
05 15 19 00-0016	LF 3/32" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable	0.33	0.09
	For >500, Deduct	-0.04	
05 15 19 00-0017	LF 1/8" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable	0.44	0.10
	For >500, Deduct	-0.06	
05 15 19 00-0018	LF 5/32" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable	0.57	0.11
	For >500, Deduct	-0.08	
05 15 19 00-0019	LF 3/16" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable	0.70	0.11
	For >500, Deduct	-0.10	

05 15 19 00-0020 7x19, 316 Stainless Steel, Aircraft Cable (05 15 19)

05 15 19 00-0021	LF 1/8" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable	0.49	0.10
	For >500, Deduct	-0.07	
05 15 19 00-0022	LF 5/32" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable	0.58	0.11
	For >500, Deduct	-0.08	
05 15 19 00-0023	LF 3/16" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable	0.67	0.11
	For >500, Deduct	-0.09	
05 15 19 00-0024	LF 1/4" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable	0.83	0.11
	For >500, Deduct	-0.13	
05 15 19 00-0025	LF 5/16" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable	1.27	0.11
	For >500, Deduct	-0.20	
05 15 19 00-0026	LF 3/8" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable	1.90	0.11
	For >500, Deduct	-0.30	

05 20 Metal Joists (05)

Note: Includes all connecting bolts and welds.

05 21 Steel Joist Framing (05 20)

05 21 19 Open Web Steel Joist Framing (05 21)

05 21 19 00-0001 Open Web Joists (05 21 19)

05 Metals**05 20 Metal Joists****05 21 Steel Joist Framing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 21 19 00-0002	TON H, J Or K Open Web Joist, Up To 30' Span, Steel, Horizontal Bridging.....	2,789.81	195.02
	For Welded Cross Bridging, Add	243.77	
	For Shop Prime Paint Other Than Manufacturer's Standard, Add	237.27	
05 21 19 00-0003	TON H, J Or K Open Web Joist, >30' To 50' Span, Steel, Horizontal Bridging	2,558.29	182.83
	For Welded Cross Bridging, Add	216.69	
	For Shop Prime Paint Other Than Manufacturer's Standard, Add	220.32	
05 21 19 00-0004	TON LJ Or LH Open Web Joist, Up To 96' Span, Steel, Bolted Cross Bridging.....	3,076.93	182.83
	For Welded Cross Bridging, Add	225.02	
	For Shop Prime Paint Other Than Manufacturer's Standard, Add	279.22	
05 21 19 00-0005	TON DLJ Or DLH Open Web Joist, Up To 144' Span, Steel, Bolted Cross Bridging	3,490.59	182.83
	For Welded Cross Bridging, Add	225.02	
	For Shop Prime Paint Other Than Manufacturer's Standard, Add	328.86	
05 21 19 00-0006	TON CS Open Web Joist, Up To 30' Span, Steel, Horizontal Bridging	3,087.72	182.83
	For Welded Cross Bridging, Add	243.77	
	For Shop Prime Paint Other Than Manufacturer's Standard, Add	273.02	
05 21 19 00-0007	TON SLH Open Web Joist, Up To 200' Span, Steel, Bolted Cross Bridging	3,852.55	182.83
	For Welded Cross Bridging, Add	225.02	
	For Shop Prime Paint Other Than Manufacturer's Standard, Add	372.30	

05 30 Metal Decking ⁽⁰⁵⁾

Note: Includes all connecting bolts and welds.

05 31 Steel Decking ^(05 30)

See CSI section 03 30 00 00-0000 for concrete where required.

05 31 13 Steel Floor Decking ^(05 31)

Note: Floor or roof decking

05 31 13 00-0001 Open Ribbed Galvanized Steel Deck ^(05 31 13)

05 31 13 00-0002	SF 1" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck	3.19	0.50
	For Painted, Deduct	-0.13	
	For Perforated Or Slotted, Add	0.13	
	For Site Installed Insulation Between Ribs, Add	0.84	
	For Up To 100, Add	0.88	
	For >100 To 500, Add	0.51	
	For >500 To 1,500, Add	0.16	
05 31 13 00-0003	SF 1" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck	3.63	0.58
	For Painted, Deduct	-0.15	
	For Perforated Or Slotted, Add	0.15	
	For Site Installed Insulation Between Ribs, Add	0.96	
	For Up To 100, Add	1.01	
	For >100 To 500, Add	0.58	
	For >500 To 1,500, Add	0.18	
05 31 13 00-0004	SF 1" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	4.56	0.70
	For Painted, Deduct	-0.18	
	For Perforated Or Slotted, Add	0.18	
	For Site Installed Insulation Between Ribs, Add	1.21	
	For Up To 100, Add	1.24	
	For >100 To 500, Add	0.72	
	For >500 To 1,500, Add	0.22	
05 31 13 00-0005	SF 1-1/2" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck	3.50	0.56
	For Painted, Deduct	-0.14	
	For Perforated Or Slotted, Add	0.14	
	For Site Installed Insulation Between Ribs, Add	0.93	
	For Up To 100, Add	0.97	
	For >100 To 500, Add	0.56	
	For >500 To 1,500, Add	0.17	
05 31 13 00-0006	SF 1-1/2" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck	4.02	0.64
	For Painted, Deduct	-0.16	
	For Perforated Or Slotted, Add	0.16	
	For Site Installed Insulation Between Ribs, Add	1.06	
	For Up To 100, Add	1.11	
	For >100 To 500, Add	0.64	
	For >500 To 1,500, Add	0.20	
05 31 13 00-0007	SF 1-1/2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	5.05	0.78
	For Painted, Deduct	-0.20	
	For Perforated Or Slotted, Add	0.20	
	For Site Installed Insulation Between Ribs, Add	1.34	
	For Up To 100, Add	1.38	
	For >100 To 500, Add	0.80	
	For >500 To 1,500, Add	0.24	
05 31 13 00-0008	SF 2" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck	3.96	0.59
	For Painted, Deduct	-0.16	
	For Perforated Or Slotted, Add	0.16	
	For Site Installed Insulation Between Ribs, Add	1.05	
	For Up To 100, Add	1.05	
	For >100 To 500, Add	0.62	
	For >500 To 1,500, Add	0.18	
05 31 13 00-0009	SF 2" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck	4.59	0.68
	For Painted, Deduct	-0.19	
	For Perforated Or Slotted, Add	0.19	
	For Site Installed Insulation Between Ribs, Add	1.21	
	For Up To 100, Add	1.21	
	For >100 To 500, Add	0.71	
	For >500 To 1,500, Add	0.21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 31 13 00-0010	SF		2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck.....	5.66	0.76
			For Painted, Deduct	-0.24	
			For Perforated Or Slotted, Add	0.24	
			For Site Installed Insulation Between Ribs, Add	1.49	
			For Up To 100, Add	1.41	
			For >100 To 500, Add	0.85	
			For >500 To 1,500, Add	0.24	
05 31 13 00-0011	SF		2" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck.....	7.12	0.82
			For Painted, Deduct	-0.31	
			For Perforated Or Slotted, Add	0.31	
			For Site Installed Insulation Between Ribs, Add	1.86	
			For Up To 100, Add	1.63	
			For >100 To 500, Add	1.02	
			For >500 To 1,500, Add	0.26	
05 31 13 00-0012	SF		3" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck.....	4.43	0.62
			For Painted, Deduct	-0.18	
			For Perforated Or Slotted, Add	0.18	
			For Site Installed Insulation Between Ribs, Add	1.17	
			For Up To 100, Add	1.14	
			For >100 To 500, Add	0.67	
			For >500 To 1,500, Add	0.19	
05 31 13 00-0013	SF		3" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck.....	5.17	0.70
			For Painted, Deduct	-0.22	
			For Perforated Or Slotted, Add	0.22	
			For Site Installed Insulation Between Ribs, Add	1.36	
			For Up To 100, Add	1.30	
			For >100 To 500, Add	0.78	
			For >500 To 1,500, Add	0.22	
05 31 13 00-0014	SF		3" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck.....	6.44	0.86
			For Painted, Deduct	-0.27	
			For Perforated Or Slotted, Add	0.27	
			For Site Installed Insulation Between Ribs, Add	1.69	
			For Up To 100, Add	1.62	
			For >100 To 500, Add	0.97	
			For >500 To 1,500, Add	0.27	
05 31 13 00-0015	SF		3" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck.....	8.12	1.04
			For Painted, Deduct	-0.34	
			For Perforated Or Slotted, Add	0.34	
			For Site Installed Insulation Between Ribs, Add	2.13	
			For Up To 100, Add	1.99	
			For >100 To 500, Add	1.21	
			For >500 To 1,500, Add	0.33	
05 31 13 00-0016	SF		4-1/2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck.....	11.75	
			For Painted, Deduct	-0.54	
			For Perforated Or Slotted, Add	0.54	
			For Site Installed Insulation Between Ribs, Add	3.01	
			For Up To 100, Add	2.02	
			For >100 To 500, Add	1.46	
			For >500 To 1,500, Add	0.24	
05 31 13 00-0017	SF		4-1/2" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck.....	14.82	0.86
			For Painted, Deduct	-0.69	
			For Perforated Or Slotted, Add	0.69	
			For Site Installed Insulation Between Ribs, Add	3.78	
			For Up To 100, Add	2.45	
			For >100 To 500, Add	1.81	
			For >500 To 1,500, Add	0.27	
05 31 13 00-0018	SF		6" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck.....	13.76	0.86
			For Painted, Deduct	-0.63	
			For Perforated Or Slotted, Add	0.63	
			For Site Installed Insulation Between Ribs, Add	3.52	
			For Up To 100, Add	2.35	
			For >100 To 500, Add	1.70	
			For >500 To 1,500, Add	0.27	
05 31 13 00-0019	SF		6" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck.....	14.42	1.04
			For Painted, Deduct	-0.66	
			For Perforated Or Slotted, Add	0.66	
			For Site Installed Insulation Between Ribs, Add	3.70	
			For Up To 100, Add	2.62	
			For >100 To 500, Add	1.84	
			For >500 To 1,500, Add	0.33	
05 31 13 00-0020	SF		6" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck.....	18.01	1.27
			For Painted, Deduct	-0.82	
			For Perforated Or Slotted, Add	0.82	
			For Site Installed Insulation Between Ribs, Add	4.62	
			For Up To 100, Add	3.23	
			For >100 To 500, Add	2.28	
			For >500 To 1,500, Add	0.40	
05 31 13 00-0021	SF		7-1/2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck.....	15.95	1.15
			For Painted, Deduct	-0.73	
			For Perforated Or Slotted, Add	0.73	
			For Site Installed Insulation Between Ribs, Add	4.10	
			For Up To 100, Add	2.89	
			For >100 To 500, Add	2.03	
			For >500 To 1,500, Add	0.36	
05 31 13 00-0022	SF		7-1/2" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck.....	19.86	1.40
			For Painted, Deduct	-0.91	
			For Perforated Or Slotted, Add	0.91	
			For Site Installed Insulation Between Ribs, Add	5.10	
			For Up To 100, Add	3.55	
			For >100 To 500, Add	2.51	
			For >500 To 1,500, Add	0.44	

05 Metals**05 30 Metal Decking****05 31 Steel Decking**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 31 13 00-0023		Cellular Galvanized Steel Deck (05 31 13)		
		Note: Cellular decking is made of a top ribbed sheet and a flat bottom sheet welded together to create hollow longitudinal cells within the panels.		
05 31 13 00-0024	SF	1" Deep, 22/18 Gauge Cellular Galvanized Steel Deck	10.54	0.88
		For Painted, Deduct	-0.47	
		For Perforated Or Slotted, Add	0.47	
		For Insulated Cells, Add	2.12	
		For Site Installed Insulation Between Ribs, Add	2.72	
		For Up To 100, Add	2.05	
		For >100 To 500, Add	1.39	
		For >500 To 1,500, Add	0.28	
05 31 13 00-0025	SF	1" Deep, 18/18 Gauge Cellular Galvanized Steel Deck	11.44	1.17
		For Painted, Deduct	-0.50	
		For Perforated Or Slotted, Add	0.50	
		For Insulated Cells, Add	2.25	
		For Site Installed Insulation Between Ribs, Add	2.97	
		For Up To 100, Add	2.46	
		For >100 To 500, Add	1.58	
		For >500 To 1,500, Add	0.37	
05 31 13 00-0026	SF	1-1/2" Deep, 22/18 Gauge Cellular Galvanized Steel Deck	12.94	0.92
		For Painted, Deduct	-0.59	
		For Perforated Or Slotted, Add	0.59	
		For Insulated Cells, Add	2.65	
		For Site Installed Insulation Between Ribs, Add	3.32	
		For Up To 100, Add	2.34	
		For >100 To 500, Add	1.64	
		For >500 To 1,500, Add	0.29	
05 31 13 00-0027	SF	1-1/2" Deep, 18/18 Gauge Cellular Galvanized Steel Deck	13.99	1.23
		For Painted, Deduct	-0.62	
		For Perforated Or Slotted, Add	0.62	
		For Insulated Cells, Add	2.80	
		For Site Installed Insulation Between Ribs, Add	3.61	
		For Up To 100, Add	2.79	
		For >100 To 500, Add	1.86	
		For >500 To 1,500, Add	0.39	
05 31 13 00-0028	SF	3" Deep, 20/18 Gauge Cellular Galvanized Steel Deck	14.81	1.13
		For Painted, Deduct	-0.67	
		For Perforated Or Slotted, Add	0.67	
		For Insulated Cells, Add	3.02	
		For Site Installed Insulation Between Ribs, Add	3.81	
		For Up To 100, Add	2.73	
		For >100 To 500, Add	1.90	
		For >500 To 1,500, Add	0.35	
05 31 13 00-0029	SF	3" Deep, 18/18 Gauge Cellular Galvanized Steel Deck	17.69	1.29
		For Painted, Deduct	-0.80	
		For Perforated Or Slotted, Add	0.80	
		For Insulated Cells, Add	3.62	
		For Site Installed Insulation Between Ribs, Add	4.54	
		For Up To 100, Add	3.22	
		For >100 To 500, Add	2.25	
		For >500 To 1,500, Add	0.40	
05 31 13 00-0030	SF	3" Deep, 18/16 Gauge Cellular Galvanized Steel Deck	19.85	1.40
		For Painted, Deduct	-0.91	
		For Perforated Or Slotted, Add	0.91	
		For Insulated Cells, Add	4.07	
		For Site Installed Insulation Between Ribs, Add	5.10	
		For Up To 100, Add	3.55	
		For >100 To 500, Add	2.51	
		For >500 To 1,500, Add	0.44	
05 31 13 00-0031	SF	3" Deep, 16/16 Gauge Cellular Galvanized Steel Deck	21.47	1.50
		For Painted, Deduct	-0.98	
		For Perforated Or Slotted, Add	0.98	
		For Insulated Cells, Add	4.41	
		For Site Installed Insulation Between Ribs, Add	5.51	
		For Up To 100, Add	3.84	
		For >100 To 500, Add	2.71	
		For >500 To 1,500, Add	0.47	
05 31 13 00-0032	SF	4-1/2" Deep, 20/18 Gauge Cellular Galvanized Steel Deck	22.99	1.13
		For Painted, Deduct	-1.08	
		For Perforated Or Slotted, Add	1.08	
		For Insulated Cells, Add	4.86	
		For Site Installed Insulation Between Ribs, Add	5.85	
		For Up To 100, Add	3.57	
		For >100 To 500, Add	2.72	
		For >500 To 1,500, Add	0.35	
05 31 13 00-0033	SF	4-1/2" Deep, 18/18 Gauge Cellular Galvanized Steel Deck	24.44	1.31
		For Painted, Deduct	-1.14	
		For Perforated Or Slotted, Add	1.14	
		For Insulated Cells, Add	5.13	
		For Site Installed Insulation Between Ribs, Add	6.23	
		For Up To 100, Add	3.92	
		For >100 To 500, Add	2.94	
		For >500 To 1,500, Add	0.41	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 31 13 00-0034	SF		4-1/2" Deep, 18/16 Gauge Cellular Galvanized Steel Deck.....	25.83	1.42
			For Painted, Deduct	-1.20	
			For Perforated Or Slotted, Add	1.20	
			For Insulated Cells, Add	5.41	
			For Site Installed Insulation Between Ribs, Add	6.59	
			For Up To 100, Add	4.18	
			For >100 To 500, Add	3.11	
			For >500 To 1,500, Add	0.44	
05 31 13 00-0035	SF		4-1/2" Deep, 16/16 Gauge Cellular Galvanized Steel Deck.....	27.55	1.52
			For Painted, Deduct	-1.28	
			For Perforated Or Slotted, Add	1.28	
			For Insulated Cells, Add	5.77	
			For Site Installed Insulation Between Ribs, Add	7.03	
			For Up To 100, Add	4.47	
			For >100 To 500, Add	3.33	
			For >500 To 1,500, Add	0.48	
05 31 23 Steel Roof Decking (05 31)					
See CSI section 05 31 13 00-0000 for Steel floor or roof decking.					
05 31 33 Steel Form Decking (05 31)					
05 31 33 00-0001	Open Ribbed Galvanized Steel Form Deck (05 31 33)				
05 31 33 00-0002	SF		9/16" Deep, 28 Gauge Open Ribbed Galvanized Steel Form Deck.....	2.87	
			For Painted, Deduct	-0.10	
			For Perforated Or Slotted, Add	0.10	
			For Up To 100, Add	1.12	
			For >100 To 500, Add	0.56	
			For >500 To 1,500, Add	0.23	
05 31 33 00-0003	SF		9/16" Deep, 26 Gauge Open Ribbed Galvanized Steel Form Deck.....	3.05	
			For Painted, Deduct	-0.10	
			For Perforated Or Slotted, Add	0.10	
			For Up To 100, Add	1.18	
			For >100 To 500, Add	0.60	
			For >500 To 1,500, Add	0.24	
05 31 33 00-0004	SF		9/16" Deep, 24 Gauge Open Ribbed Galvanized Steel Form Deck.....	3.38	
			For Painted, Deduct	-0.11	
			For Perforated Or Slotted, Add	0.11	
			For Up To 100, Add	1.36	
			For >100 To 500, Add	0.68	
			For >500 To 1,500, Add	0.28	
05 31 33 00-0005	SF		9/16" Deep, 22 Gauge Open Ribbed Galvanized Steel Form Deck.....	3.65	
			For Painted, Deduct	-0.12	
			For Perforated Or Slotted, Add	0.12	
			For Up To 100, Add	1.52	
			For >100 To 500, Add	0.75	
			For >500 To 1,500, Add	0.32	
05 31 33 00-0006	SF		15/16" Deep, 26 Gauge Open Ribbed Galvanized Steel Form Deck.....	3.45	
			For Painted, Deduct	-0.12	
			For Perforated Or Slotted, Add	0.12	
			For Up To 100, Add	1.22	
			For >100 To 500, Add	0.64	
			For >500 To 1,500, Add	0.24	
05 31 33 00-0007	SF		15/16" Deep, 25 Gauge Open Ribbed Galvanized Steel Form Deck.....	3.63	
			For Painted, Deduct	-0.13	
			For Perforated Or Slotted, Add	0.13	
			For Up To 100, Add	1.28	
			For >100 To 500, Add	0.67	
			For >500 To 1,500, Add	0.26	
05 31 33 00-0008	SF		15/16" Deep, 24 Gauge Open Ribbed Galvanized Steel Form Deck.....	3.83	
			For Painted, Deduct	-0.14	
			For Perforated Or Slotted, Add	0.14	
			For Up To 100, Add	1.40	
			For >100 To 500, Add	0.72	
			For >500 To 1,500, Add	0.28	
05 31 33 00-0009	SF		15/16" Deep, 22 Gauge Open Ribbed Galvanized Steel Form Deck.....	4.08	
			For Painted, Deduct	-0.14	
			For Perforated Or Slotted, Add	0.14	
			For Up To 100, Add	1.56	
			For >100 To 500, Add	0.79	
			For >500 To 1,500, Add	0.32	
05 31 33 00-0010	SF		1-15/16" Deep, 26 Gauge Open Ribbed Galvanized Steel Form Deck.....	4.30	
			For Painted, Deduct	-0.15	
			For Perforated Or Slotted, Add	0.15	
			For Up To 100, Add	1.63	
			For >100 To 500, Add	0.83	
			For >500 To 1,500, Add	0.33	
05 31 33 00-0011	SF		1-15/16" Deep, 24 Gauge Open Ribbed Galvanized Steel Form Deck.....	4.70	
			For Painted, Deduct	-0.17	
			For Perforated Or Slotted, Add	0.17	
			For Up To 100, Add	1.72	
			For >100 To 500, Add	0.89	
			For >500 To 1,500, Add	0.35	
05 31 33 00-0012	SF		1-15/16" Deep, 22 Gauge Open Ribbed Galvanized Steel Form Deck.....	5.39	
			For Painted, Deduct	-0.20	
			For Perforated Or Slotted, Add	0.20	
			For Up To 100, Add	1.88	
			For >100 To 500, Add	0.99	
			For >500 To 1,500, Add	0.37	

05 Metals**05 30 Metal Decking****05 31 Steel Decking**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 31 33 00-0013	SF	1-15/16" Deep, 20 Gauge Open Ribbed Galvanized Steel Form Deck.....	5.96	
		<i>For Painted, Deduct</i>	-0.21	
		<i>For Perforated Or Slotted, Add</i>	0.21	
		<i>For Up To 100, Add</i>	2.12	
		<i>For >100 To 500, Add</i>	1.10	
		<i>For >500 To 1,500, Add</i>	0.42	

05 36 Composite Metal Decking (05 36)

See CSI section 03 30 00 00-0000 for concrete.

05 36 00 00-0001 Composite Open Ribbed Galvanized Steel Deck (05 36)

Note: Composite decking has rolled-in embossments or ridges designed to interlock with the concrete slab.

05 36 00 00-0002	SF	1-1/2" Deep, 22 Gauge Composite Open Ribbed Galvanized Steel Deck.....	4.34	
		<i>For Painted, Deduct</i>	-0.15	
		<i>For Perforated Or Slotted, Add</i>	0.15	
		<i>For Up To 100, Add</i>	1.63	
		<i>For >100 To 500, Add</i>	0.83	
		<i>For >500 To 1,500, Add</i>	0.33	
05 36 00 00-0003	SF	1-1/2" Deep, 20 Gauge Composite Open Ribbed Galvanized Steel Deck.....	4.65	
		<i>For Painted, Deduct</i>	-0.16	
		<i>For Perforated Or Slotted, Add</i>	0.16	
		<i>For Up To 100, Add</i>	1.81	
		<i>For >100 To 500, Add</i>	0.91	
		<i>For >500 To 1,500, Add</i>	0.37	
05 36 00 00-0004	SF	1-1/2" Deep, 18 Gauge Composite Open Ribbed Galvanized Steel Deck.....	5.19	
		<i>For Painted, Deduct</i>	-0.17	
		<i>For Perforated Or Slotted, Add</i>	0.17	
		<i>For Up To 100, Add</i>	2.18	
		<i>For >100 To 500, Add</i>	1.07	
		<i>For >500 To 1,500, Add</i>	0.46	
05 36 00 00-0005	SF	1-1/2" Deep, 16 Gauge Composite Open Ribbed Galvanized Steel Deck.....	5.64	
		<i>For Painted, Deduct</i>	-0.17	
		<i>For Perforated Or Slotted, Add</i>	0.17	
		<i>For Up To 100, Add</i>	2.54	
		<i>For >100 To 500, Add</i>	1.22	
		<i>For >500 To 1,500, Add</i>	0.55	
05 36 00 00-0006	SF	2" Deep, 22 Gauge Composite Open Ribbed Galvanized Steel Deck.....	4.65	
		<i>For Painted, Deduct</i>	-0.16	
		<i>For Perforated Or Slotted, Add</i>	0.16	
		<i>For Up To 100, Add</i>	1.81	
		<i>For >100 To 500, Add</i>	0.91	
		<i>For >500 To 1,500, Add</i>	0.37	
05 36 00 00-0007	SF	2" Deep, 20 Gauge Composite Open Ribbed Galvanized Steel Deck.....	5.01	
		<i>For Painted, Deduct</i>	-0.17	
		<i>For Perforated Or Slotted, Add</i>	0.17	
		<i>For Up To 100, Add</i>	1.98	
		<i>For >100 To 500, Add</i>	0.99	
		<i>For >500 To 1,500, Add</i>	0.41	
05 36 00 00-0008	SF	2" Deep, 18 Gauge Composite Open Ribbed Galvanized Steel Deck.....	5.55	
		<i>For Painted, Deduct</i>	-0.18	
		<i>For Perforated Or Slotted, Add</i>	0.18	
		<i>For Up To 100, Add</i>	2.36	
		<i>For >100 To 500, Add</i>	1.16	
		<i>For >500 To 1,500, Add</i>	0.50	
05 36 00 00-0009	SF	2" Deep, 16 Gauge Composite Open Ribbed Galvanized Steel Deck.....	6.06	
		<i>For Painted, Deduct</i>	-0.19	
		<i>For Perforated Or Slotted, Add</i>	0.19	
		<i>For Up To 100, Add</i>	2.73	
		<i>For >100 To 500, Add</i>	1.31	
		<i>For >500 To 1,500, Add</i>	0.59	
05 36 00 00-0010	SF	3" Deep, 22 Gauge Composite Open Ribbed Galvanized Steel Deck.....	4.88	
		<i>For Painted, Deduct</i>	-0.17	
		<i>For Perforated Or Slotted, Add</i>	0.17	
		<i>For Up To 100, Add</i>	1.87	
		<i>For >100 To 500, Add</i>	0.95	
		<i>For >500 To 1,500, Add</i>	0.39	
05 36 00 00-0011	SF	3" Deep, 20 Gauge Composite Open Ribbed Galvanized Steel Deck.....	5.22	
		<i>For Painted, Deduct</i>	-0.17	
		<i>For Perforated Or Slotted, Add</i>	0.17	
		<i>For Up To 100, Add</i>	2.09	
		<i>For >100 To 500, Add</i>	1.04	
		<i>For >500 To 1,500, Add</i>	0.44	
05 36 00 00-0012	SF	3" Deep, 18 Gauge Composite Open Ribbed Galvanized Steel Deck.....	5.85	
		<i>For Painted, Deduct</i>	-0.19	
		<i>For Perforated Or Slotted, Add</i>	0.19	
		<i>For Up To 100, Add</i>	2.52	
		<i>For >100 To 500, Add</i>	1.23	
		<i>For >500 To 1,500, Add</i>	0.54	
05 36 00 00-0013	SF	3" Deep, 16 Gauge Composite Open Ribbed Galvanized Steel Deck.....	6.52	
		<i>For Painted, Deduct</i>	-0.20	
		<i>For Perforated Or Slotted, Add</i>	0.20	
		<i>For Up To 100, Add</i>	2.97	
		<i>For >100 To 500, Add</i>	1.42	
		<i>For >500 To 1,500, Add</i>	0.64	

05 36 00 00-0014 Composite Cellular Galvanized Steel Deck (05 36)

Note: Composite decking has rolled-in embossments or ridges designed to interlock with the concrete slab.
Cellular decking is made of a top ribbed sheet and a bottom flat sheet welded together to create hollow longitudinal cells within the panels.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 36 00 00-0015	SF		1-1/2" Deep, 20/20 Gauge Composite Cellular Galvanized Steel Deck.....	7.96	
			For Painted, Deduct	-0.28	
			For Perforated Or Slotted, Add	0.28	
			For Insulated Cells, Add	1.25	
			For Up To 100, Add	2.97	
			For >100 To 500, Add	1.52	
			For >500 To 1,500, Add	0.60	
05 36 00 00-0016	SF		1-1/2" Deep, 20/18 Gauge Composite Cellular Galvanized Steel Deck.....	8.51	
			For Painted, Deduct	-0.29	
			For Perforated Or Slotted, Add	0.29	
			For Insulated Cells, Add	1.31	
			For Up To 100, Add	3.25	
			For >100 To 500, Add	1.65	
			For >500 To 1,500, Add	0.67	
05 36 00 00-0017	SF		1-1/2" Deep, 18/20 Gauge Composite Cellular Galvanized Steel Deck.....	8.61	
			For Painted, Deduct	-0.29	
			For Perforated Or Slotted, Add	0.29	
			For Insulated Cells, Add	1.31	
			For Up To 100, Add	3.35	
			For >100 To 500, Add	1.69	
			For >500 To 1,500, Add	0.69	
05 36 00 00-0018	SF		1-1/2" Deep, 18/18 Gauge Composite Cellular Galvanized Steel Deck.....	9.13	
			For Painted, Deduct	-0.30	
			For Perforated Or Slotted, Add	0.30	
			For Insulated Cells, Add	1.36	
			For Up To 100, Add	3.68	
			For >100 To 500, Add	1.83	
			For >500 To 1,500, Add	0.77	
05 36 00 00-0019	SF		1-1/2" Deep, 18/16 Gauge Composite Cellular Galvanized Steel Deck.....	9.79	
			For Painted, Deduct	-0.32	
			For Perforated Or Slotted, Add	0.32	
			For Insulated Cells, Add	1.45	
			For Up To 100, Add	3.99	
			For >100 To 500, Add	1.98	
			For >500 To 1,500, Add	0.84	
05 36 00 00-0020	SF		1-1/2" Deep, 16/18 Gauge Composite Cellular Galvanized Steel Deck.....	9.89	
			For Painted, Deduct	-0.32	
			For Perforated Or Slotted, Add	0.32	
			For Insulated Cells, Add	1.45	
			For Up To 100, Add	4.09	
			For >100 To 500, Add	2.02	
			For >500 To 1,500, Add	0.86	
05 36 00 00-0021	SF		1-1/2" Deep, 16/16 Gauge Composite Cellular Galvanized Steel Deck.....	10.41	
			For Painted, Deduct	-0.33	
			For Perforated Or Slotted, Add	0.33	
			For Insulated Cells, Add	1.50	
			For Up To 100, Add	4.41	
			For >100 To 500, Add	2.16	
			For >500 To 1,500, Add	0.94	
05 36 00 00-0022	SF		2" Deep, 20/20 Gauge Composite Cellular Galvanized Steel Deck.....	8.23	
			For Painted, Deduct	-0.28	
			For Perforated Or Slotted, Add	0.28	
			For Insulated Cells, Add	1.27	
			For Up To 100, Add	3.14	
			For >100 To 500, Add	1.59	
			For >500 To 1,500, Add	0.64	
05 36 00 00-0023	SF		2" Deep, 20/18 Gauge Composite Cellular Galvanized Steel Deck.....	8.68	
			For Painted, Deduct	-0.30	
			For Perforated Or Slotted, Add	0.30	
			For Insulated Cells, Add	1.33	
			For Up To 100, Add	3.36	
			For >100 To 500, Add	1.70	
			For >500 To 1,500, Add	0.69	
05 36 00 00-0024	SF		2" Deep, 18/20 Gauge Composite Cellular Galvanized Steel Deck.....	8.78	
			For Painted, Deduct	-0.30	
			For Perforated Or Slotted, Add	0.30	
			For Insulated Cells, Add	1.33	
			For Up To 100, Add	3.46	
			For >100 To 500, Add	1.74	
			For >500 To 1,500, Add	0.72	
05 36 00 00-0025	SF		2" Deep, 18/18 Gauge Composite Cellular Galvanized Steel Deck.....	9.42	
			For Painted, Deduct	-0.31	
			For Perforated Or Slotted, Add	0.31	
			For Insulated Cells, Add	1.40	
			For Up To 100, Add	3.80	
			For >100 To 500, Add	1.90	
			For >500 To 1,500, Add	0.80	
05 36 00 00-0026	SF		2" Deep, 18/16 Gauge Composite Cellular Galvanized Steel Deck.....	9.97	
			For Painted, Deduct	-0.33	
			For Perforated Or Slotted, Add	0.33	
			For Insulated Cells, Add	1.47	
			For Up To 100, Add	4.09	
			For >100 To 500, Add	2.03	
			For >500 To 1,500, Add	0.86	
05 36 00 00-0027	SF		2" Deep, 16/18 Gauge Composite Cellular Galvanized Steel Deck.....	10.12	
			For Painted, Deduct	-0.33	
			For Perforated Or Slotted, Add	0.33	
			For Insulated Cells, Add	1.47	
			For Up To 100, Add	4.24	
			For >100 To 500, Add	2.09	
			For >500 To 1,500, Add	0.90	

05 Metals**05 30 Metal Decking****05 36 Composite Metal Decking**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 36 00 00-0028	SF	2" Deep, 16/16 Gauge Composite Cellular Galvanized Steel Deck	10.66	
		<i>For Painted, Deduct</i>	-0.34	
		<i>For Perforated Or Slotted, Add</i>	0.34	
		<i>For Insulated Cells, Add</i>	1.53	
		<i>For Up To 100, Add</i>	4.52	
		<i>For >100 To 500, Add</i>	2.22	
		<i>For >500 To 1,500, Add</i>	0.96	
05 36 00 00-0029	SF	3" Deep, 20/20 Gauge Composite Cellular Galvanized Steel Deck	8.26	
		<i>For Painted, Deduct</i>	-0.28	
		<i>For Perforated Or Slotted, Add</i>	0.28	
		<i>For Insulated Cells, Add</i>	1.28	
		<i>For Up To 100, Add</i>	3.14	
		<i>For >100 To 500, Add</i>	1.60	
		<i>For >500 To 1,500, Add</i>	0.64	
05 36 00 00-0030	SF	3" Deep, 20/18 Gauge Composite Cellular Galvanized Steel Deck	8.73	
		<i>For Painted, Deduct</i>	-0.30	
		<i>For Perforated Or Slotted, Add</i>	0.30	
		<i>For Insulated Cells, Add</i>	1.33	
		<i>For Up To 100, Add</i>	3.41	
		<i>For >100 To 500, Add</i>	1.72	
		<i>For >500 To 1,500, Add</i>	0.71	
05 36 00 00-0031	SF	3" Deep, 18/20 Gauge Composite Cellular Galvanized Steel Deck	8.88	
		<i>For Painted, Deduct</i>	-0.30	
		<i>For Perforated Or Slotted, Add</i>	0.30	
		<i>For Insulated Cells, Add</i>	1.33	
		<i>For Up To 100, Add</i>	3.56	
		<i>For >100 To 500, Add</i>	1.78	
		<i>For >500 To 1,500, Add</i>	0.74	
05 36 00 00-0032	SF	3" Deep, 18/18 Gauge Composite Cellular Galvanized Steel Deck	9.51	
		<i>For Painted, Deduct</i>	-0.31	
		<i>For Perforated Or Slotted, Add</i>	0.31	
		<i>For Insulated Cells, Add</i>	1.41	
		<i>For Up To 100, Add</i>	3.87	
		<i>For >100 To 500, Add</i>	1.92	
		<i>For >500 To 1,500, Add</i>	0.81	
05 36 00 00-0033	SF	3" Deep, 18/16 Gauge Composite Cellular Galvanized Steel Deck	10.13	
		<i>For Painted, Deduct</i>	-0.33	
		<i>For Perforated Or Slotted, Add</i>	0.33	
		<i>For Insulated Cells, Add</i>	1.49	
		<i>For Up To 100, Add</i>	4.15	
		<i>For >100 To 500, Add</i>	2.06	
		<i>For >500 To 1,500, Add</i>	0.87	
05 36 00 00-0034	SF	3" Deep, 16/18 Gauge Composite Cellular Galvanized Steel Deck	10.33	
		<i>For Painted, Deduct</i>	-0.33	
		<i>For Perforated Or Slotted, Add</i>	0.33	
		<i>For Insulated Cells, Add</i>	1.49	
		<i>For Up To 100, Add</i>	4.35	
		<i>For >100 To 500, Add</i>	2.14	
		<i>For >500 To 1,500, Add</i>	0.92	
05 36 00 00-0035	SF	3" Deep, 16/16 Gauge Composite Cellular Galvanized Steel Deck	10.77	
		<i>For Painted, Deduct</i>	-0.34	
		<i>For Perforated Or Slotted, Add</i>	0.34	
		<i>For Insulated Cells, Add</i>	1.53	
		<i>For Up To 100, Add</i>	4.63	
		<i>For >100 To 500, Add</i>	2.26	
		<i>For >500 To 1,500, Add</i>	0.99	

05 36 00 00-0036 Non-Cellular, Composite Deck, Galvanized (05 36)

05 36 00 00-0037	SF	1" Deep x 16 Gauge Composite Metal Deck Galvanized, Non-Cellular	6.14	
05 36 00 00-0038	SF	1" Deep x 18 Gauge Composite Metal Deck Galvanized, Non-Cellular	5.04	
05 36 00 00-0039	SF	1" Deep x 20 Gauge Composite Metal Deck Galvanized, Non-Cellular	4.18	
05 36 00 00-0040	SF	1" Deep x 22 Gauge Composite Metal Deck Galvanized, Non-Cellular	3.60	
05 36 00 00-0041	SF	1-1/2" Deep x 16 Gauge Composite Metal Deck Galvanized, Non-Cellular	6.77	
05 36 00 00-0042	SF	1-1/2" Deep x 18 Gauge Composite Metal Deck Galvanized, Non-Cellular	5.50	
05 36 00 00-0043	SF	1-1/2" Deep x 20 Gauge Composite Metal Deck Galvanized, Non-Cellular	4.55	
05 36 00 00-0044	SF	1-1/2" Deep x 22 Gauge Composite Metal Deck Galvanized, Non-Cellular	3.92	
05 36 00 00-0045	SF	3" Deep x 16 Gauge Composite Metal Deck Galvanized, Non-Cellular	7.80	
05 36 00 00-0046	SF	3" Deep x 18 Gauge Composite Metal Deck Galvanized, Non-Cellular	6.24	
05 36 00 00-0047	SF	3" Deep x 20 Gauge Composite Metal Deck Galvanized, Non-Cellular	5.22	
05 36 00 00-0048	SF	3" Deep x 22 Gauge Composite Metal Deck Galvanized, Non-Cellular	4.72	

05 40 Cold-Formed Metal Framing (05)

Note: Includes all connecting bolts and welds.

05 41 Structural Metal Stud Framing (05 40)

Note: Includes studs, bridging, fasteners, and metal stiffener at half height. Do not deduct for openings of less than 25 SF.

05 41 00 00-0001 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners (05 41)

05 41 00 00-0002	SF	2-1/2" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	6.85	1.09
		<i>For Walls >10' High, Add</i>	1.37	
		<i>For Curved Wall, Add</i>	0.76	
		<i>For Up To 200, Add</i>	1.88	
		<i>For >200 To 500, Add</i>	0.94	
		<i>For 12" On Center, Add</i>	1.24	
		<i>For 24" On Center, Deduct</i>	-1.24	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 41 00 00-0003	SF		3-5/8" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	7.73	1.09
			For Walls >10' High, Add	1.55	
			For Curved Wall, Add	0.80	
			For Up To 200, Add	2.08	
			For >200 To 500, Add	1.04	
			For 12" On Center, Add	1.41	
			For 24" On Center, Deduct	-1.41	
05 41 00 00-0004	SF		4" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	8.06	1.09
			For Walls >10' High, Add	1.61	
			For Curved Wall, Add	0.83	
			For Up To 200, Add	2.17	
			For >200 To 500, Add	1.08	
			For 12" On Center, Add	1.47	
			For 24" On Center, Deduct	-1.47	
05 41 00 00-0005	SF		6" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	10.54	1.21
			For Walls >10' High, Add	2.11	
			For Curved Wall, Add	0.87	
			For Up To 200, Add	2.69	
			For >200 To 500, Add	1.34	
			For 12" On Center, Add	1.96	
			For 24" On Center, Deduct	-1.96	
05 41 00 00-0006	SF		8" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	11.87	1.33
			For Walls >10' High, Add	2.37	
			For Curved Wall, Add	0.90	
			For Up To 200, Add	2.98	
			For >200 To 500, Add	1.49	
			For 12" On Center, Add	2.22	
			For 24" On Center, Deduct	-2.22	
05 41 00 00-0007			16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners (05 41)		
05 41 00 00-0008	SF		2-1/2" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	7.39	1.09
			For Walls >10' High, Add	1.48	
			For Curved Wall, Add	0.80	
			For Up To 200, Add	2.01	
			For >200 To 500, Add	1.01	
			For 12" On Center, Add	1.35	
			For 24" On Center, Deduct	-1.35	
05 41 00 00-0009	SF		3-5/8" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	8.68	1.10
			For Walls >10' High, Add	1.74	
			For Curved Wall, Add	0.84	
			For Up To 200, Add	2.30	
			For >200 To 500, Add	1.15	
			For 12" On Center, Add	1.60	
			For 24" On Center, Deduct	-1.60	
05 41 00 00-0010	SF		4" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	9.17	1.10
			For Walls >10' High, Add	1.83	
			For Curved Wall, Add	0.87	
			For Up To 200, Add	2.41	
			For >200 To 500, Add	1.21	
			For 12" On Center, Add	1.69	
			For 24" On Center, Deduct	-1.69	
05 41 00 00-0011	SF		6" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	11.89	1.33
			For Walls >10' High, Add	2.38	
			For Curved Wall, Add	0.92	
			For Up To 200, Add	2.99	
			For >200 To 500, Add	1.49	
			For 12" On Center, Add	2.23	
			For 24" On Center, Deduct	-2.23	
05 41 00 00-0012	SF		8" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	13.18	1.45
			For Walls >10' High, Add	2.64	
			For Curved Wall, Add	0.96	
			For Up To 200, Add	3.28	
			For >200 To 500, Add	1.64	
			For 12" On Center, Add	2.48	
			For 24" On Center, Deduct	-2.48	
05 41 00 00-0013			14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners (05 41)		
05 41 00 00-0014	SF		3-5/8" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	10.31	1.51
			For Walls >10' High, Add	2.06	
			For Curved Wall, Add	1.01	
			For Up To 200, Add	2.73	
			For >200 To 500, Add	1.37	
			For 12" On Center, Add	1.89	
			For 24" On Center, Deduct	-1.89	
05 41 00 00-0015	SF		4" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	10.61	1.54
			For Walls >10' High, Add	2.12	
			For Curved Wall, Add	1.03	
			For Up To 200, Add	2.81	
			For >200 To 500, Add	1.40	
			For 12" On Center, Add	1.95	
			For 24" On Center, Deduct	-1.95	

05	05	Metals
	05 40	Cold-Formed Metal Framing
	05 41	Structural Metal Stud Framing



MINOR		DESCRIPTION	TOTAL DIRECT		DEMOLITION
CSI	UOM		UNIT COST	UNIT COST	
05 41 00 00-0016	SF	6" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	13.63		1.62
		For Walls >10' High, Add	2.73		
		For Curved Wall, Add	1.08		
		For Up To 200, Add	3.44		
		For >200 To 500, Add	1.72		
		For 12" On Center, Add	2.55		
		For 24" On Center, Deduct	-2.55		
05 41 00 00-0017	SF	8" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	15.05		1.69
		For Walls >10' High, Add	3.01		
		For Curved Wall, Add	1.13		
		For Up To 200, Add	3.76		
		For >200 To 500, Add	1.88		
		For 12" On Center, Add	2.82		
		For 24" On Center, Deduct	-2.82		

05 42 Cold-Formed Metal Joist Framing (05 40)

05 42 13 Cold-Formed Metal Floor Joist Framing (05 42)

Note: Floor or roof joist framing

05 42 13 00-0001		Steel Joists, 20 Gauge (05 42 13)			
05 42 13 00-0002	LF	5-1/2" - 20 Gauge Steel Joists	15.12		2.59
05 42 13 00-0003	LF	6" - 20 Gauge Steel Joists	16.22		3.26
05 42 13 00-0004	LF	7-1/4" - 20 Gauge Steel Joists	17.57		3.58
05 42 13 00-0005	LF	8" - 20 Gauge Steel Joists	19.85		3.80
05 42 13 00-0006		Steel Joists, 18 Gauge (05 42 13)			
05 42 13 00-0007	LF	5-1/2" - 18 Gauge Steel Joists	16.87		2.88
05 42 13 00-0008	LF	6" - 18 Gauge Steel Joists	18.14		3.62
05 42 13 00-0009	LF	7-1/4" - 18 Gauge Steel Joists	19.69		3.97
05 42 13 00-0010	LF	8" - 18 Gauge Steel Joists	20.20		4.22
05 42 13 00-0011		Steel Joists, 16 Gauge (05 42 13)			
05 42 13 00-0012	LF	7-1/4" - 16 Gauge Steel Joists	21.50		4.01
05 42 13 00-0013	LF	8" - 16 Gauge Steel Joists	22.72		4.22
05 42 13 00-0014		Steel Joists, 14 Gauge (05 42 13)			
05 42 13 00-0015	LF	9-1/4" - 14 Gauge Steel Joists	25.99		4.22
05 42 13 00-0016	LF	11-1/2" - 14 Gauge Steel Joists	28.33		4.45
05 42 13 00-0017		Steel Joists, 12 Gauge (05 42 13)			
05 42 13 00-0018	LF	9-1/4" - 12 Gauge Steel Joists	31.21		4.64
05 42 13 00-0019	LF	11-1/2" - 12 Gauge Steel Joists	34.27		4.90
05 42 13 00-0020		Steel Joists, 10 Gauge (05 42 13)			
05 42 13 00-0021	LF	9-1/4" - 10 Gauge Steel Joists	36.51		5.11
05 42 13 00-0022	LF	11-1/2" - 10 Gauge Steel Joists	40.27		5.39
05 42 13 00-0023		Steel Joists, 8 Gauge (05 42 13)			
05 42 13 00-0024	LF	9-1/4" - 8 Gauge Steel Joists	41.86		5.63
05 42 13 00-0025	LF	11-1/2" - 8 Gauge Steel Joists	46.33		5.93

05 42 23 Cold-Formed Metal Roof Joist Framing (05 42)

See CSI section 05 42 13 00-0000 for metal joist framing.

05 43 Slotted Channel Framing (05 40)

05 43 00 00-0001		Unistrut Channel (05 43)			
		Note: Excludes fasteners and accessories.			
05 43 00 00-0002		Steel Unistrut Channel (05 43 00 00-0001)			
05 43 00 00-0003	LF	1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	13.37		2.47
		For Powder Coating, Add	1.26		
		For Galvanizing, Add	1.43		
05 43 00 00-0004	LF	1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	13.78		2.47
		For Powder Coating, Add	1.33		
		For Galvanizing, Add	1.50		
05 43 00 00-0005	LF	1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	14.41		2.47
		For Powder Coating, Add	1.42		
		For Galvanizing, Add	1.61		
05 43 00 00-0006	LF	1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	12.55		2.47
		For Powder Coating, Add	1.14		
		For Galvanizing, Add	1.29		
05 43 00 00-0007	LF	1-5/8" Wide x 13/16" High, 14 Gauge, Steel Unistrut Channel	10.76		2.47
		For Powder Coating, Add	0.87		
		For Galvanizing, Add	0.99		
05 43 00 00-0008		Stainless Steel Unistrut Channel (05 43 00 00-0001)			

Cal Poly Humboldt.		Metals 05		05
		Cold-Formed Metal Framing 05 40		
		Slotted Channel Framing 05 43		
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
05 43 00 00-0009	304 Stainless Steel Unistrut Channel (05 43 00 00-0008)			
05 43 00 00-0010	LF 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....	31.03		2.47
05 43 00 00-0011	LF 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel.....	37.41		2.47
05 43 00 00-0012	LF 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....	35.82		2.47
05 43 00 00-0013	LF 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel.....	45.67		2.47
05 43 00 00-0014	316 Stainless Steel Unistrut Channel (05 43 00 00-0008)			
05 43 00 00-0015	LF 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel.....	51.71		2.47
05 43 00 00-0016	Accessories For Unistrut Channel (05 43)			
05 43 00 00-0017	EA Trolley Truck Hanger, 1-5/8" Channel P1834	60.17		8.20
05 43 00 00-0018	EA Flat Plate Fitting, One Hole, 1-5/8" Channel P1064.....	14.58		5.47
05 43 00 00-0019	EA 60 Degree Angle, 1-5/8" Channel P2097	15.31		5.47
05 43 00 00-0020	Bases For Unistrut Channel (05 43)			
05 43 00 00-0021	Steel Bases For Unistrut Channel (05 43 00 00-0020) Note: Includes straight or angled post mounting and fasteners.			
05 43 00 00-0022	EA 6" x 6", 1-5/8" Height, Single Post, Steel Base For Unistrut Channel	117.43		27.33
05 43 00 00-0023	EA 6" x 6", 3-1/2" Height, Single Post, Steel Base For Unistrut Channel	118.95		27.33
05 43 00 00-0024	EA 6" x 6", 1-5/8" Height, Double Post, Steel Base For Unistrut Channel	170.79		27.33
05 43 00 00-0025	EA 6" x 6", 3-1/2" Height, Double Post, Steel Base For Unistrut Channel	140.46		27.33
05 43 00 00-0026	Stainless Steel Bases For Unistrut Channel (05 43 00 00-0020) Note: Includes straight or angled post mounting and fasteners.			
05 43 00 00-0027	EA 6" x 6", 1-5/8" Height, Single Post, 304 Stainless Steel Base For Unistrut Channel.....	228.36		27.33
05 43 00 00-0028	EA 6" x 6", 3-1/2" Height, Single Post, 304 Stainless Steel Base For Unistrut Channel.....	421.21		27.33
05 43 00 00-0029	EA 6" x 6", 3-1/2" Height, Double Post, 304 Stainless Steel Base For Unistrut Channel	316.54		27.33
05 43 00 00-0030	EA 6" x 6", 1-5/8" Height, Single Post, 316 Stainless Steel Base For Unistrut Channel.....	472.95		27.33
05 43 00 00-0031	EA 6" x 6", 3-1/2" Height, Double Post, 316 Stainless Steel Base For Unistrut Channel	409.73		27.33
05 43 00 00-0032	Unistrut Closure Strips (05 43)			
05 43 00 00-0033	LF Steel Raceway Closure Strip For Unistrut Channel	7.43		0.54
05 43 00 00-0034	Lock Nuts With Spring For Unistrut Channel (05 43) Note: Includes hex bolt.			
05 43 00 00-0035	Steel Lock Nuts With Spring For Unistrut Channel (05 43 00 00-0034) Note: Includes hex bolt.			
05 43 00 00-0036	EA 1/4-20, Steel Lock Nut With Spring For Unistrut Channel.....	7.92		
05 43 00 00-0037	EA 3/8-16, Steel Lock Nut With Spring For Unistrut Channel	8.79		
05 43 00 00-0038	EA 1/2-13, Steel Lock Nut With Spring For Unistrut Channel	9.45		
05 43 00 00-0039	EA 5/8-11, Steel Lock Nut With Spring For Unistrut Channel	12.97		
05 43 00 00-0040	Stainless Steel Lock Nuts With Spring For Unistrut Channel (05 43 00 00-0034) Note: Includes hex bolt.			
05 43 00 00-0041	EA 1/4-20, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	17.45		
05 43 00 00-0042	EA 3/8-16, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	18.62		
05 43 00 00-0043	EA 1/2-13, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	26.63		
05 43 00 00-0044	EA 5/8-11, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	46.05		
05 43 00 00-0045	Lock Nuts Without Spring For Unistrut Channel (05 43) Note: Includes hex bolt.			
05 43 00 00-0046	Steel Lock Nuts Without Spring For Unistrut Channel (05 43 00 00-0045) Note: Includes hex bolt.			
05 43 00 00-0047	EA 1/4-20, Steel Lock Nut Without Spring For Unistrut Channel.....	7.95		
05 43 00 00-0048	EA 3/8-16, Steel Lock Nut Without Spring For Unistrut Channel.....	8.91		
05 43 00 00-0049	EA 1/2-13, Steel Lock Nut Without Spring For Unistrut Channel	9.50		
05 43 00 00-0050	EA 5/8-11, Steel Lock Nut Without Spring For Unistrut Channel.....	13.98		
05 43 00 00-0051	Stainless Steel Lock Nuts Without Spring For Unistrut Channel (05 43 00 00-0045) Note: Includes hex bolt.			
05 43 00 00-0052	EA 1/4-20, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	12.31		
05 43 00 00-0053	EA 3/8-16, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	14.98		
05 43 00 00-0054	EA 1/2-13, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	16.39		
05 43 00 00-0055	EA 5/8-11, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	44.85		
05 43 00 00-0056	Beam Clamp For Unistrut Channel (05 43)			
05 43 00 00-0057	EA 1-5/8" Channel, P2675 Unistrut Beam Clamp.....	24.63		8.20
05 43 00 00-0058	EA 1-5/8" Channel, P2676 Unistrut Beam Clamp.....	32.29		8.20
05 43 00 00-0059	EA Add For Unistrut Swivel Nut, P2676	4.17		
05 43 00 00-0060	Beam Clamp Clevis Hangers For Unistrut Channel (05 43)			

05 Metals**05 40 Cold-Formed Metal Framing****05 43 Slotted Channel Framing**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 43 00 00-0061	EA	Up To 3/8" Rod, Beam Clamp Clevis Hanger (Unistrut P2674)	27.29	8.20
05 43 00 00-0062	EA	Up To 1/2" Rod, Beam Clamp Clevis Hanger (Unistrut P2677)	33.38	8.20
05 43 00 00-0063	EA	Add For Unistrut Swivel Nut	4.17	
05 43 00 00-0064	EA	6-Hole Electrogalvanized Steel Shelf Bracket For Unistrut	184.48	10.93

05 43 00 00-0065 Pipe And Rigid Conduit Clamps (05 43)**05 43 00 00-0066 Pipe And Rigid Conduit Clamps** (05 43 00 00-0065)

Note: Includes stainless steel (316) hardware.

05 43 00 00-0067	PR	1/2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	6.82	2.23
05 43 00 00-0068	PR	3/4" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	6.96	2.23
05 43 00 00-0069	PR	1" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	8.06	2.70
05 43 00 00-0070	PR	1-1/4" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	8.54	2.94
05 43 00 00-0071	PR	1-1/2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	10.77	3.29
05 43 00 00-0072	PR	2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	10.77	3.29
05 43 00 00-0073	PR	2-1/2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	16.62	5.51
05 43 00 00-0074	PR	3" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	16.91	5.51
05 43 00 00-0075	PR	3-1/2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	18.11	6.10
05 43 00 00-0076	PR	4" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	20.02	6.58

05 43 00 00-0077 Pipe And Rigid Conduit Clamps (05 43 00 00-0065)

Note: Includes nylon hardware.

05 43 00 00-0078	PR	1/2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	11.55	2.23
05 43 00 00-0079	PR	3/4" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	11.98	2.23
05 43 00 00-0080	PR	1" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	13.08	2.70
05 43 00 00-0081	PR	1-1/4" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	13.75	2.94
05 43 00 00-0082	PR	1-1/2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	18.91	3.29
05 43 00 00-0083	PR	2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	18.91	3.29
05 43 00 00-0084	PR	2-1/2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	27.61	5.51
05 43 00 00-0085	PR	3" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	28.46	5.51
05 43 00 00-0086	PR	3-1/2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	29.85	6.10
05 43 00 00-0087	PR	4" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	33.37	6.58

05 45 Metal Support Assemblies (05 40)**05 45 13 Mechanical Metal Supports** (05 45)

See CSI section 23 05 29 00-0000 for metal supports.

05 45 16 Electrical Metal Supports (05 45)

See CSI section 26 05 29 00-0000 for metal supports.

05 50 Metal Fabrications (05)**05 51 Metal Stairs** (05 50)**05 51 13 Metal Pan Stairs** (05 51)

Note: Open concrete filled metal pan stair and landing including steel stringer, safety nosing and concrete. Excludes handrail.

See CSI section 05 52 13 00-0000 for handrails.

05 51 13 00-0001 Open Concrete Filled Metal Pan Stair And Landing (05 51 13)

Note: Includes steel stringer, safety nosing and concrete. Excludes handrail.

05 51 13 00-0002	RSR	3'-6" Wide Open Concrete Filled Metal Pan Tread Stair	1,183.84	31.76
		For Closed Riser, Add	137.71	
05 51 13 00-0003	RSR	4'-0" Wide Open Concrete Filled Metal Pan Tread Stair	1,344.48	37.05
		For Closed Riser, Add	156.26	
05 51 13 00-0004	RSR	5'-0" Wide Open Concrete Filled Metal Pan Tread Stair	1,496.01	43.40
		For Closed Riser, Add	173.57	
05 51 13 00-0005	SF	Concrete Filled Steel Pan Landing	76.79	5.29

Note: Conventional shape.

05 51 19 Metal Grating Stairs (05 51)

Note: Open steel grating tread metal stair and landing including steel stringers, safety nosing and 2 pipe handrail.

05 51 19 00-0001 Open Steel Grating Tread Metal Stair And Landing (05 51 19)

Note: Includes steel stringers, safety nosing and 2 pipe handrail.

05 51 19 00-0002	RSR	3'-6" Wide Open Steel Grating Tread Metal Stair	565.53	42.34
		For Closed Riser, Add	68.86	
		For Galvanized Steel, Add	120.21	
05 51 19 00-0003	RSR	4'-0" Wide Open Steel Grating Tread Metal Stair	601.12	48.69
		For Closed Riser, Add	72.79	
		For Galvanized Steel, Add	125.94	
05 51 19 00-0004	RSR	5'-0" Wide Open Steel Grating Tread Metal Stair	663.86	57.16
		For Closed Riser, Add	80.01	
		For Galvanized Steel, Add	137.39	
05 51 19 00-0005	SF	Steel Grating Landing With Framing And 2 Pipe Handrail	103.60	5.29
		Note: Conventional shape.		
		For Galvanized Steel, Add	20.61	

05 51 33 Metal Ladders (05 51)

Note: Includes factory prime.

05 51 33 13 Vertical Metal Ladders (05 51 33)**05 51 33 13-0001 Vertical Ladders** (05 51 33 13)

Note: Climbing rungs are 3/4" corrugated steel round rungs on 12" centers. Stand-off brackets are 7"

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 51 33 13-0002			VLFF 20" Wide Fixed Vertical Steel Ladder Primed..... For Galvanized Steel, Add For Aluminum, Add	105.07 16.31 32.61	12.70
05 51 33 13-0003			VLFF 24" Wide Fixed Vertical Steel Ladder Primed..... For Galvanized Steel, Add For Aluminum, Add	121.60 20.44 40.88	12.70
05 51 33 13-0004			VLFF 20" Wide Fixed Vertical Steel Caged Ladder Primed For Galvanized Steel, Add For Aluminum, Add	256.93 47.37 94.73	21.17
05 51 33 13-0005			VLFF 24" Wide Fixed Vertical Steel Caged Ladder Primed For Galvanized Steel, Add For Aluminum, Add	289.98 55.63 111.26	21.17
05 51 33 13-0006 Vertical Ladders Options (05 51 33 13)					
05 51 33 13-0007	EA		20" Wide Vertical Steel Ladder Walk-Thru Handrails, Primed..... Note: Extends 42" above landing surface. Includes mounting bracket. For Galvanized Steel, Add For Aluminum, Add	440.60 90.30 180.61	39.69
05 51 33 13-0008	EA		24" Wide Vertical Steel Ladder Walk-Thru Handrails, Primed Note: Extends 42" above landing surface. Includes mounting bracket. For Galvanized Steel, Add For Aluminum, Add	483.08 99.60 199.20	42.34
05 51 33 13-0009	EA		Security Cage Entry Gate With Lockable Hasp	542.90	13.23
05 51 33 13-0010	EA		6" Powder Coated, Security Ladder Guard	1,441.62	79.39
05 51 33 13-0011	EA		8" Powder Coated, Security Ladder Guard	1,725.71	92.62
05 51 33 13-0012	EA		Safety Chain Attachment.....	265.52	

05 51 33 13-0013 Welded Steel Ladder Cages (05 51 33 13)
Note: For existing fixed ladders up to 20" wide. Excludes the ladder.

05 51 33 13-0014 Powder Coated, Welded Steel Ladder Cages (05 51 33 13-0013)

05 51 33 13-0015	EA		7-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,439.39	158.78
05 51 33 13-0016	EA		8-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,653.60	164.07
05 51 33 13-0017	EA		9-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,823.55	169.36
05 51 33 13-0018	EA		10-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,005.30	174.66
05 51 33 13-0019	EA		11-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,110.32	179.95
05 51 33 13-0020	EA		12-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,283.22	185.24
05 51 33 13-0021	EA		13-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,435.45	190.54
05 51 33 13-0022	EA		14-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,634.91	195.83
05 51 33 13-0023	EA		15-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,828.46	201.12
05 51 33 13-0024	EA		16-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,986.60	206.41
05 51 33 13-0025	EA		17-1/2' Length, Powder Coated, Welded Steel Ladder Cage	4,180.15	211.71
05 51 33 13-0026	EA		18-1/2' Length, Powder Coated, Welded Steel Ladder Cage	4,367.81	217.00
05 51 33 13-0027	EA		19-1/2' Length, Powder Coated, Welded Steel Ladder Cage	4,552.50	222.29
05 51 33 13-0028	EA		20-1/2' Length, Powder Coated, Welded Steel Ladder Cage	4,890.66	227.58
05 51 33 13-0029	EA		21-1/2' Length, Powder Coated, Welded Steel Ladder Cage	4,989.78	232.88
05 51 33 13-0030	EA		22-1/2' Length, Powder Coated, Welded Steel Ladder Cage	5,162.68	238.17
05 51 33 13-0031	EA		23-1/2' Length, Powder Coated, Welded Steel Ladder Cage	5,320.81	243.46
05 51 33 13-0032	EA		24-1/2' Length, Powder Coated, Welded Steel Ladder Cage	5,467.15	248.75
05 51 33 13-0033	EA		25-1/2' Length, Powder Coated, Welded Steel Ladder Cage	5,796.45	254.05
05 51 33 13-0034	EA		26-1/2' Length, Powder Coated, Welded Steel Ladder Cage	5,972.30	259.34
05 51 33 13-0035	EA		27-1/2' Length, Powder Coated, Welded Steel Ladder Cage	6,136.35	264.63

05 51 33 13-0036 Welded Stainless Steel Ladder Cages (05 51 33 13-0013)

05 51 33 13-0037	EA		7-1/2' Length, Welded Stainless Steel Ladder Cage	6,196.14	158.78
05 51 33 13-0038	EA		8-1/2' Length, Welded Stainless Steel Ladder Cage	6,622.83	164.07
05 51 33 13-0039	EA		9-1/2' Length, Welded Stainless Steel Ladder Cage	7,335.78	169.36
05 51 33 13-0040	EA		10-1/2' Length, Welded Stainless Steel Ladder Cage	7,685.74	174.66
05 51 33 13-0041	EA		11-1/2' Length, Welded Stainless Steel Ladder Cage	7,979.63	179.95
05 51 33 13-0042	EA		12-1/2' Length, Welded Stainless Steel Ladder Cage	8,370.91	185.24
05 51 33 13-0043	EA		13-1/2' Length, Welded Stainless Steel Ladder Cage	9,077.95	190.54
05 51 33 13-0044	EA		14-1/2' Length, Welded Stainless Steel Ladder Cage	9,433.82	195.83
05 51 33 13-0045	EA		15-1/2' Length, Welded Stainless Steel Ladder Cage	9,801.48	201.12
05 51 33 13-0046	EA		16-1/2' Length, Welded Stainless Steel Ladder Cage	10,204.57	206.41
05 51 33 13-0047	EA		17-1/2' Length, Welded Stainless Steel Ladder Cage	10,926.36	211.71
05 51 33 13-0048	EA		18-1/2' Length, Welded Stainless Steel Ladder Cage	11,285.18	217.00
05 51 33 13-0049	EA		19-1/2' Length, Welded Stainless Steel Ladder Cage	11,626.29	222.29
05 51 33 13-0050	EA		20-1/2' Length, Welded Stainless Steel Ladder Cage	12,194.64	227.58
05 51 33 13-0051	EA		21-1/2' Length, Welded Stainless Steel Ladder Cage	12,833.80	232.88
05 51 33 13-0052	EA		22-1/2' Length, Welded Stainless Steel Ladder Cage	13,186.72	238.17
05 51 33 13-0053	EA		23-1/2' Length, Welded Stainless Steel Ladder Cage	13,548.48	243.46
05 51 33 13-0054	EA		24-1/2' Length, Welded Stainless Steel Ladder Cage	13,886.64	248.75
05 51 33 13-0055	EA		25-1/2' Length, Welded Stainless Steel Ladder Cage	14,761.89	254.05
05 51 33 13-0056	EA		26-1/2' Length, Welded Stainless Steel Ladder Cage	15,100.06	259.34
05 51 33 13-0057	EA		27-1/2' Length, Welded Stainless Steel Ladder Cage	15,447.07	264.63

05 51 33 16 Inclined Metal Ladders (05 51 33)

05 51 33 16-0001 Industrial Ship Ladder, Incline Stairs (05 51 33 16)

05 51 33 16-0002	RSR		3' Wide Industrial Steel Ship Ladder With 2 Rails Each Side..... For Aluminum, Add	393.65 143.90	52.93
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05	05	Metals
	05 50	Metal Fabrications
	05 51	Metal Stairs



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST

05 51 33 23 Alternating Tread Ladders (05 51 33)

05 51 33 23-0001 Vertical Ladders With Alternating Tread (05 51 33 23)

05 51 33 23-0002	EA	4' Vertical Height Aluminum Alternating Tread Ladder	2,858.06	158.78
		For Stainless Steel, Add	279.46	
		For Primed Steel, Deduct	-232.88	
05 51 33 23-0003	EA	5' Vertical Height Aluminum Alternating Tread Ladder	3,288.64	168.30
		For Stainless Steel, Add	340.51	
		For Primed Steel, Deduct	-265.60	
05 51 33 23-0004	EA	6' Vertical Height Aluminum Alternating Tread Ladder	3,674.14	168.30
		For Stainless Steel, Add	404.25	
		For Primed Steel, Deduct	-295.41	
05 51 33 23-0005	EA	7' Vertical Height Aluminum Alternating Tread Ladder	4,171.83	211.49
		For Stainless Steel, Add	467.93	
		For Primed Steel, Deduct	-320.62	
05 51 33 23-0006	EA	8' Vertical Height Aluminum Alternating Tread Ladder	4,597.78	218.99
		For Stainless Steel, Add	541.49	
		For Primed Steel, Deduct	-348.10	
05 51 33 23-0007	EA	9' Vertical Height Aluminum Alternating Tread Ladder	4,938.41	218.99
		For Stainless Steel, Add	610.22	
		For Primed Steel, Deduct	-368.24	
05 51 33 23-0008	EA	10' Vertical Height Aluminum Alternating Tread Ladder	5,418.50	244.27
		For Stainless Steel, Add	690.64	
		For Primed Steel, Deduct	-391.36	
05 51 33 23-0009	EA	11' Vertical Height Aluminum Alternating Tread Ladder	5,800.14	244.27
		For Stainless Steel, Add	772.81	
		For Primed Steel, Deduct	-411.34	
05 51 33 23-0010	EA	12' Vertical Height Aluminum Alternating Tread Ladder	6,097.07	244.27
		For Stainless Steel, Add	845.25	
		For Primed Steel, Deduct	-422.63	

05 52 Metal Railings (05 50)

05 52 13 Pipe and Tube Railings (05 52)

Note: Includes embedded steel sleeves, grouting, connection bolts (where necessary) and drilling of bolt (where necessary).

05 52 13 00-0001 Welded Steel Pipe Railing (05 52 13)

Note: Includes field welds and touch-up of welds.

05 52 13 00-0002 One Rail, Up To 42" High, Welded Steel Pipe Railings (05 52 13 00-0001)

Note: Includes factory primed posts and one rail.

05 52 13 00-0003	LF	1" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing.....	37.67	10.59
		For Schedule 80 Handrail, Add	7.54	
		For 11 Gauge A513 Steel Tubing, Deduct	-3.63	
		For 12 Gauge A513 Steel Tubing, Deduct	-4.13	
		For 14 Gauge A513 Steel Tubing, Deduct	-5.45	
		For 16 Gauge A513 Steel Tubing, Deduct	-6.44	
		For ADA Handrail P-Loop End Return, Add Per Each	87.55	
		For Additional Off Set Handrail, ADA Attachment, Add	14.13	
		For Aluminum, Satin Finish, Add	6.93	
		For Aluminum, Clear Anodized Finish, Add	10.73	
		For Aluminum, Dark Anodized Finish, Add	12.38	
		For Galvanizing, Add	6.60	
		For Wrought Iron, Add	3.77	
		For Solid Steel Rails, Add	7.53	
		For 304 Stainless Steel, Add	52.80	
		For 316 Stainless Steel, Add	59.40	
		For 2" Wheel Guard, Add	1.57	
		For 4" High Kick Plate, Add	2.06	
		For 6" High Kick Plate, Add	3.30	
		For Curved Rail, Add	16.25	
		For Mounting On Stairs, Add	11.30	
		For Mounting On Slopes, Add	3.77	
		For Post Base Flange With Screws, Add Per Post	19.62	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.68	
		For Custom Design Or Shapes (Square Tops, etc), Add	13.54	
		For Nylon Coating, Add	2.48	

		Metals 05		05
		Metal Fabrications	05 50	
		Metal Railings	05 52	
MINOR	DESCRIPTION	TOTAL DIRECT	DEMOLITION	
CSI	UOM	UNIT COST	UNIT COST	
05 52 13 00-0004	LF 1-1/4" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing	40.51	10.59	
	For Schedule 80 Handrail, Add	12.94		
	For 11 Gauge A513 Steel Tubing, Deduct	-4.25		
	For 12 Gauge A513 Steel Tubing, Deduct	-4.84		
	For 14 Gauge A513 Steel Tubing, Deduct	-6.38		
	For 16 Gauge A513 Steel Tubing, Deduct	-7.54		
	For ADA Handrail P-Loop End Return, Add Per Each	106.23		
	For Additional Off Set Handrail, ADA Attachment, Add	15.84		
	For Aluminum, Satin Finish, Add	8.12		
	For Aluminum, Clear Anodized Finish, Add	12.57		
	For Aluminum, Dark Anodized Finish, Add	14.51		
	For Galvanizing, Add	7.74		
	For Wrought Iron, Add	4.05		
	For Solid Steel Rails, Add	8.10		
	For 304 Stainless Steel, Add	61.89		
	For 316 Stainless Steel, Add	69.62		
	For 2" Wheel Guard, Add	1.84		
	For 4" High Kick Plate, Add	2.42		
	For 6" High Kick Plate, Add	3.87		
	For Curved Rail, Add	17.96		
	For Mounting On Stairs, Add	12.15		
	For Mounting On Slopes, Add	4.05		
	For Post Base Flange With Screws, Add Per Post	19.62		
	For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.68		
	For Custom Design Or Shapes (Square Tops, etc), Add	14.96		
	For Nylon Coating, Add	2.90		
05 52 13 00-0005	LF 1-1/2" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing	43.36	10.59	
	For Schedule 80 Handrail, Add	12.94		
	For 11 Gauge A513 Steel Tubing, Deduct	-4.88		
	For 12 Gauge A513 Steel Tubing, Deduct	-5.55		
	For 14 Gauge A513 Steel Tubing, Deduct	-7.32		
	For 16 Gauge A513 Steel Tubing, Deduct	-8.65		
	For ADA Handrail P-Loop End Return, Add Per Each	120.89		
	For Additional Off Set Handrail, ADA Attachment, Add	17.54		
	For Aluminum, Satin Finish, Add	9.32		
	For Aluminum, Clear Anodized Finish, Add	14.42		
	For Aluminum, Dark Anodized Finish, Add	16.64		
	For Galvanizing, Add	8.88		
	For Wrought Iron, Add	4.34		
	For Solid Steel Rails, Add	8.67		
	For 304 Stainless Steel, Add	71.01		
	For 316 Stainless Steel, Add	79.88		
	For 2" Wheel Guard, Add	2.11		
	For 4" High Kick Plate, Add	2.77		
	For 6" High Kick Plate, Add	4.44		
	For Curved Rail, Add	19.67		
	For Mounting On Stairs, Add	13.01		
	For Mounting On Slopes, Add	4.34		
	For Post Base Flange With Screws, Add Per Post	19.62		
	For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.68		
	For Custom Design Or Shapes (Square Tops, etc), Add	16.39		
	For Nylon Coating, Add	3.33		
05 52 13 00-0006	LF 2" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing.....	48.29	10.59	
	For Schedule 80 Handrail, Add	15.12		
	For 11 Gauge A513 Steel Tubing, Deduct	-5.97		
	For 12 Gauge A513 Steel Tubing, Deduct	-6.78		
	For 14 Gauge A513 Steel Tubing, Deduct	-8.95		
	For 16 Gauge A513 Steel Tubing, Deduct	-10.58		
	For ADA Handrail P-Loop End Return, Add Per Each	148.68		
	For Additional Off Set Handrail, ADA Attachment, Add	20.50		
	For Aluminum, Satin Finish, Add	11.39		
	For Aluminum, Clear Anodized Finish, Add	17.63		
	For Aluminum, Dark Anodized Finish, Add	20.34		
	For Galvanizing, Add	10.85		
	For Wrought Iron, Add	4.83		
	For Solid Steel Rails, Add	9.66		
	For 304 Stainless Steel, Add	86.78		
	For 316 Stainless Steel, Add	97.63		
	For 2" Wheel Guard, Add	2.58		
	For 4" High Kick Plate, Add	3.39		
	For 6" High Kick Plate, Add	5.42		
	For Curved Rail, Add	22.62		
	For Mounting On Stairs, Add	14.49		
	For Mounting On Slopes, Add	4.83		
	For Post Base Flange With Screws, Add Per Post	19.62		
	For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.68		
	For Custom Design Or Shapes (Square Tops, etc), Add	18.85		
	For Nylon Coating, Add	4.07		

05 Metals**05 50 Metal Fabrications****05 52 Metal Railings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 52 13 00-0007	LF	2-1/2" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing	54.20	10.59
		For Schedule 80 Handrail, Add	17.32	
		For 11 Gauge A513 Steel Tubing, Deduct	-7.27	
		For 12 Gauge A513 Steel Tubing, Deduct	-8.26	
		For 14 Gauge A513 Steel Tubing, Deduct	-10.90	
		For 16 Gauge A513 Steel Tubing, Deduct	-12.88	
		For ADA Handrail P-Loop End Return, Add Per Each	209.11	
		For Additional Off Set Handrail, ADA Attachment, Add	24.05	
		For Aluminum, Satin Finish, Add	13.87	
		For Aluminum, Clear Anodized Finish, Add	21.47	
		For Aluminum, Dark Anodized Finish, Add	24.77	
		For Galvanizing, Add	13.21	
		For Wrought Iron, Add	5.42	
		For Solid Steel Rails, Add	10.84	
		For 304 Stainless Steel, Add	105.70	
		For 316 Stainless Steel, Add	118.91	
		For 2" Wheel Guard, Add	3.14	
		For 4" High Kick Plate, Add	4.13	
		For 6" High Kick Plate, Add	6.61	
		For Curved Rail, Add	26.17	
		For Mounting On Stairs, Add	16.26	
		For Mounting On Slopes, Add	5.42	
		For Post Base Flange With Screws, Add Per Post	19.62	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.68	
		For Custom Design Or Shapes (Square Tops, etc), Add	21.81	
		For Nylon Coating, Add	4.95	

05 52 13 00-0008 Two Rail, Up To 42" High, Welded Steel Pipe Railings (05 52 13 00-0001)

Note: Includes factory primed posts and two rails.

05 52 13 00-0009	LF	1" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing	50.04	10.59
		For Schedule 80 Handrail, Add	7.54	
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	66.76	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	49.20	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	31.64	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	80.92	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	59.64	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	38.35	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	109.04	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	80.36	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	51.67	
		For 11 Gauge A513 Steel Tubing, Deduct	-6.35	
		For 12 Gauge A513 Steel Tubing, Deduct	-7.22	
		For 14 Gauge A513 Steel Tubing, Deduct	-9.53	
		For 16 Gauge A513 Steel Tubing, Deduct	-11.26	
		For ADA Handrail P-Loop End Return, Add Per Each	87.55	
		For Additional Off Set Handrail, ADA Attachment, Add	14.13	
		For Aluminum, Satin Finish, Add	12.13	
		For Aluminum, Clear Anodized Finish, Add	18.77	
		For Aluminum, Dark Anodized Finish, Add	21.65	
		For Galvanizing, Add	11.55	
		For Wrought Iron, Add	5.00	
		For Solid Steel Rails, Add	10.01	
		For 304 Stainless Steel, Add	92.38	
		For 316 Stainless Steel, Add	103.93	
		For 2" Wheel Guard, Add	2.74	
		For 4" High Kick Plate, Add	3.61	
		For 6" High Kick Plate, Add	5.77	
		For Curved Rail, Add	23.67	
		For Mounting On Stairs, Add	15.01	
		For Mounting On Slopes, Add	5.00	
		For Post Base Flange With Screws, Add Per Post	19.62	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.68	
		For Custom Design Or Shapes (Square Tops, etc), Add	19.73	
		For Nylon Coating, Add	4.33	

			Metals	05	05
			Metal Fabrications	05 50	
			Metal Railings	05 52	
MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
			UNIT COST	UNIT COST	
05 52 13 00-0010	LF	1-1/4" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing	55.02		10.59
		For Schedule 80 Handrail, Add	12.94		
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	66.76		
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	49.20		
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	31.64		
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	80.92		
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	59.64		
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	38.35		
		For 1" Diameter Pickets, >2" To 3" On Center, Add	109.04		
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	80.36		
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	51.67		
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	108.82		
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	78.13		
		For 11 Gauge A513 Steel Tubing, Deduct	-7.45		
		For 12 Gauge A513 Steel Tubing, Deduct	-8.46		
		For 14 Gauge A513 Steel Tubing, Deduct	-11.17		
		For 16 Gauge A513 Steel Tubing, Deduct	-13.20		
		For ADA Handrail P-Loop End Return, Add Per Each	106.23		
		For Additional Off Set Handrail, ADA Attachment, Add	15.84		
		For Aluminum, Satin Finish, Add	14.22		
		For Aluminum, Clear Anodized Finish, Add	22.00		
		For Aluminum, Dark Anodized Finish, Add	25.39		
		For Galvanizing, Add	13.54		
		For Wrought Iron, Add	5.50		
		For Solid Steel Rails, Add	11.00		
		For 304 Stainless Steel, Add	108.32		
		For 316 Stainless Steel, Add	121.86		
		For 2" Wheel Guard, Add	3.22		
		For 4" High Kick Plate, Add	4.23		
		For 6" High Kick Plate, Add	6.77		
		For Curved Rail, Add	26.66		
		For Mounting On Stairs, Add	16.51		
		For Mounting On Slopes, Add	5.50		
		For Post Base Flange With Screws, Add Per Post	19.62		
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.68		
		For Custom Design Or Shapes (Square Tops, etc), Add	22.22		
		For Nylon Coating, Add	5.08		
05 52 13 00-0011	LF	1-1/2" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing	59.99		10.59
		For Schedule 80 Handrail, Add	12.94		
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	66.76		
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	49.20		
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	31.64		
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	80.92		
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	59.64		
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	38.35		
		For 1" Diameter Pickets, >2" To 3" On Center, Add	109.04		
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	80.36		
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	51.67		
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	108.82		
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	78.13		
		For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	125.64		
		For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	88.95		
		For 11 Gauge A513 Steel Tubing, Deduct	-8.54		
		For 12 Gauge A513 Steel Tubing, Deduct	-9.71		
		For 14 Gauge A513 Steel Tubing, Deduct	-12.81		
		For 16 Gauge A513 Steel Tubing, Deduct	-15.14		
		For ADA Handrail P-Loop End Return, Add Per Each	120.89		
		For Additional Off Set Handrail, ADA Attachment, Add	17.54		
		For Aluminum, Satin Finish, Add	16.30		
		For Aluminum, Clear Anodized Finish, Add	25.23		
		For Aluminum, Dark Anodized Finish, Add	29.12		
		For Galvanizing, Add	15.53		
		For Wrought Iron, Add	6.00		
		For Solid Steel Rails, Add	12.00		
		For 304 Stainless Steel, Add	124.22		
		For 316 Stainless Steel, Add	139.75		
		For 2" Wheel Guard, Add	3.69		
		For 4" High Kick Plate, Add	4.85		
		For 6" High Kick Plate, Add	7.76		
		For Curved Rail, Add	29.64		
		For Mounting On Stairs, Add	18.00		
		For Mounting On Slopes, Add	6.00		
		For Post Base Flange With Screws, Add Per Post	19.62		
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.68		
		For Custom Design Or Shapes (Square Tops, etc), Add	24.70		
		For Nylon Coating, Add	5.82		

05 Metals**05 50 Metal Fabrications****05 52 Metal Railings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 52 13 00-0012	LF	2" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing.....	68.61	10.59
		For Schedule 80 Handrail, Add	15.12	
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	66.76	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	49.20	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	31.64	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	80.92	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	59.64	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	38.35	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	109.04	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	80.36	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	51.67	
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	108.82	
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	78.13	
		For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	125.64	
		For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	88.95	
		For 2" Diameter Pickets, >3" To 4-1/2" On Center, Add	160.88	
		For 2" Diameter Pickets, >4-1/2" To 6" On Center, Add	111.60	
		For 11 Gauge A513 Steel Tubing, Deduct	-10.44	
		For 12 Gauge A513 Steel Tubing, Deduct	-11.86	
		For 14 Gauge A513 Steel Tubing, Deduct	-15.66	
		For 16 Gauge A513 Steel Tubing, Deduct	-18.50	
		For ADA Handrail P-Loop End Return, Add Per Each	148.68	
		For Additional Off Set Handrail, ADA Attachment, Add	20.50	
		For Aluminum, Satin Finish, Add	19.92	
		For Aluminum, Clear Anodized Finish, Add	30.84	
		For Aluminum, Dark Anodized Finish, Add	35.58	
		For Galvanizing, Add	18.98	
		For Wrought Iron, Add	6.86	
		For Solid Steel Rails, Add	13.72	
		For 304 Stainless Steel, Add	151.81	
		For 316 Stainless Steel, Add	170.78	
		For 2" Wheel Guard, Add	4.51	
		For 4" High Kick Plate, Add	5.93	
		For 6" High Kick Plate, Add	9.49	
		For Curved Rail, Add	34.82	
		For Mounting On Stairs, Add	20.58	
		For Mounting On Slopes, Add	6.86	
		For Post Base Flange With Screws, Add Per Post	19.62	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.68	
		For Custom Design Or Shapes (Square Tops, etc), Add	29.01	
		For Nylon Coating, Add	7.12	
05 52 13 00-0013	LF	2-1/2" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing	78.95	10.59
		For Schedule 80 Handrail, Add	17.32	
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	66.76	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	49.20	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	31.64	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	80.92	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	59.64	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	38.35	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	109.04	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	80.36	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	51.67	
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	108.82	
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	78.13	
		For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	125.64	
		For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	88.95	
		For 2" Diameter Pickets, >3" To 4-1/2" On Center, Add	160.88	
		For 2" Diameter Pickets, >4-1/2" To 6" On Center, Add	111.60	
		For 2-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	163.61	
		For 11 Gauge A513 Steel Tubing, Deduct	-12.71	
		For 12 Gauge A513 Steel Tubing, Deduct	-14.45	
		For 14 Gauge A513 Steel Tubing, Deduct	-19.07	
		For 16 Gauge A513 Steel Tubing, Deduct	-22.53	
		For ADA Handrail P-Loop End Return, Add Per Each	209.11	
		For Additional Off Set Handrail, ADA Attachment, Add	24.05	
		For Aluminum, Satin Finish, Add	24.27	
		For Aluminum, Clear Anodized Finish, Add	37.56	
		For Aluminum, Dark Anodized Finish, Add	43.34	
		For Galvanizing, Add	23.11	
		For Wrought Iron, Add	7.90	
		For Solid Steel Rails, Add	15.79	
		For 304 Stainless Steel, Add	184.90	
		For 316 Stainless Steel, Add	208.01	
		For 2" Wheel Guard, Add	5.49	
		For 4" High Kick Plate, Add	7.22	
		For 6" High Kick Plate, Add	11.56	
		For Curved Rail, Add	41.02	
		For Mounting On Stairs, Add	23.69	
		For Mounting On Slopes, Add	7.90	
		For Post Base Flange With Screws, Add Per Post	19.62	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.68	
		For Custom Design Or Shapes (Square Tops, etc), Add	34.18	
		For Nylon Coating, Add	8.67	

05 52 13 00-0014 Three Rail, Up To 42" High, Welded Steel Pipe Railings (05 52 13 00-0001)

Note: Includes factory primed posts and three rails.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0015	LF		1" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing.....	78.46	12.70
			For Schedule 80 Handrail, Add	10.61	
			For 1/2" Diameter Pickets, >2" To 3" On Center, Add	66.76	
			For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	49.20	
			For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	31.64	
			For 3/4" Diameter Pickets, >2" To 3" On Center, Add	80.92	
			For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	59.64	
			For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	38.35	
			For 1" Diameter Pickets, >2" To 3" On Center, Add	109.04	
			For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	80.36	
			For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	51.67	
			For 11 Gauge A513 Steel Tubing, Deduct	-11.67	
			For 12 Gauge A513 Steel Tubing, Deduct	-13.26	
			For 14 Gauge A513 Steel Tubing, Deduct	-17.51	
			For 16 Gauge A513 Steel Tubing, Deduct	-20.69	
			For ADA Handrail P-Loop End Return, Add Per Each	87.55	
			For Additional Off Set Handrail, ADA Attachment, Add	14.98	
			For Aluminum, Satin Finish, Add	22.28	
			For Aluminum, Clear Anodized Finish, Add	34.48	
			For Aluminum, Dark Anodized Finish, Add	39.79	
			For Galvanizing, Add	21.22	
			For Wrought Iron, Add	7.85	
			For Solid Steel Rails, Add	15.69	
			For 304 Stainless Steel, Add	169.76	
			For 316 Stainless Steel, Add	190.98	
			For 2" Wheel Guard, Add	5.04	
			For 4" High Kick Plate, Add	6.63	
			For 6" High Kick Plate, Add	10.61	
			For Curved Rail, Add	39.45	
			For Mounting On Stairs, Add	23.54	
			For Mounting On Slopes, Add	7.85	
			For Post Base Flange With Screws, Add Per Post	20.04	
			For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	30.31	
			For Custom Design Or Shapes (Square Tops, etc), Add	32.88	
			For Nylon Coating, Add	7.96	
05 52 13 00-0016	LF		1-1/4" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing.....	87.59	12.70
			For Schedule 80 Handrail, Add	17.80	
			For 1/2" Diameter Pickets, >2" To 3" On Center, Add	66.76	
			For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	49.20	
			For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	31.64	
			For 3/4" Diameter Pickets, >2" To 3" On Center, Add	80.92	
			For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	59.64	
			For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	38.35	
			For 1" Diameter Pickets, >2" To 3" On Center, Add	109.04	
			For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	80.36	
			For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	51.67	
			For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	108.82	
			For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	78.13	
			For 11 Gauge A513 Steel Tubing, Deduct	-13.68	
			For 12 Gauge A513 Steel Tubing, Deduct	-15.55	
			For 14 Gauge A513 Steel Tubing, Deduct	-20.52	
			For 16 Gauge A513 Steel Tubing, Deduct	-24.25	
			For ADA Handrail P-Loop End Return, Add Per Each	106.23	
			For Additional Off Set Handrail, ADA Attachment, Add	16.69	
			For Aluminum, Satin Finish, Add	26.12	
			For Aluminum, Clear Anodized Finish, Add	40.42	
			For Aluminum, Dark Anodized Finish, Add	46.64	
			For Galvanizing, Add	24.87	
			For Wrought Iron, Add	8.76	
			For Solid Steel Rails, Add	17.52	
			For 304 Stainless Steel, Add	198.98	
			For 316 Stainless Steel, Add	223.85	
			For 2" Wheel Guard, Add	5.91	
			For 4" High Kick Plate, Add	7.77	
			For 6" High Kick Plate, Add	12.44	
			For Curved Rail, Add	44.93	
			For Mounting On Stairs, Add	26.28	
			For Mounting On Slopes, Add	8.76	
			For Post Base Flange With Screws, Add Per Post	20.04	
			For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	30.31	
			For Custom Design Or Shapes (Square Tops, etc), Add	37.44	
			For Nylon Coating, Add	9.33	

05 Metals**05 50 Metal Fabrications****05 52 Metal Railings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 52 13 00-0017	LF	1-1/2" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing.....	96.72	12.70
		For Schedule 80 Handrail, Add	17.80	
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	66.76	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	49.20	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	31.64	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	80.92	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	59.64	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	38.35	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	109.04	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	80.36	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	51.67	
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	108.82	
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	78.13	
		For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	125.64	
		For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	88.95	
		For 11 Gauge A513 Steel Tubing, Deduct	-15.69	
		For 12 Gauge A513 Steel Tubing, Deduct	-17.83	
		For 14 Gauge A513 Steel Tubing, Deduct	-23.53	
		For 16 Gauge A513 Steel Tubing, Deduct	-27.81	
		For ADA Handrail P-Loop End Return, Add Per Each	120.89	
		For Additional Off Set Handrail, ADA Attachment, Add	18.39	
		For Aluminum, Satin Finish, Add	29.95	
		For Aluminum, Clear Anodized Finish, Add	46.35	
		For Aluminum, Dark Anodized Finish, Add	53.48	
		For Galvanizing, Add	28.52	
		For Wrought Iron, Add	9.67	
		For Solid Steel Rails, Add	19.34	
		For 304 Stainless Steel, Add	228.19	
		For 316 Stainless Steel, Add	256.72	
		For 2" Wheel Guard, Add	6.77	
		For 4" High Kick Plate, Add	8.91	
		For 6" High Kick Plate, Add	14.26	
		For Curved Rail, Add	50.41	
		For Mounting On Stairs, Add	29.02	
		For Mounting On Slopes, Add	9.67	
		For Post Base Flange With Screws, Add Per Post	20.04	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	30.31	
		For Custom Design Or Shapes (Square Tops, etc), Add	42.01	
		For Nylon Coating, Add	10.70	
05 52 13 00-0018	LF	2" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing.....	112.60	12.70
		For Schedule 80 Handrail, Add	20.71	
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	66.76	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	49.20	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	31.64	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	80.92	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	59.64	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	38.35	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	109.04	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	80.36	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	51.67	
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	108.82	
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	78.13	
		For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	125.64	
		For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	88.95	
		For 2" Diameter Pickets, >3" To 4-1/2" On Center, Add	160.88	
		For 2" Diameter Pickets, >4-1/2" To 6" On Center, Add	111.60	
		For 11 Gauge A513 Steel Tubing, Deduct	-19.18	
		For 12 Gauge A513 Steel Tubing, Deduct	-21.80	
		For 14 Gauge A513 Steel Tubing, Deduct	-28.77	
		For 16 Gauge A513 Steel Tubing, Deduct	-34.00	
		For ADA Handrail P-Loop End Return, Add Per Each	148.68	
		For Additional Off Set Handrail, ADA Attachment, Add	21.35	
		For Aluminum, Satin Finish, Add	36.62	
		For Aluminum, Clear Anodized Finish, Add	56.67	
		For Aluminum, Dark Anodized Finish, Add	65.39	
		For Galvanizing, Add	34.88	
		For Wrought Iron, Add	11.26	
		For Solid Steel Rails, Add	22.52	
		For 304 Stainless Steel, Add	279.01	
		For 316 Stainless Steel, Add	313.88	
		For 2" Wheel Guard, Add	8.28	
		For 4" High Kick Plate, Add	10.90	
		For 6" High Kick Plate, Add	17.44	
		For Curved Rail, Add	59.94	
		For Mounting On Stairs, Add	33.78	
		For Mounting On Slopes, Add	11.26	
		For Post Base Flange With Screws, Add Per Post	20.04	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	30.31	
		For Custom Design Or Shapes (Square Tops, etc), Add	49.95	
		For Nylon Coating, Add	13.08	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0019	LF	2-1/2" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing.....	131.50	12.70
		For Schedule 80 Handrail, Add	23.65	
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	66.76	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	49.20	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	31.64	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	80.92	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	59.64	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	38.35	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	109.04	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	80.36	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	51.67	
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	108.82	
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	78.13	
		For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	125.64	
		For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	88.95	
		For 2" Diameter Pickets, >3" To 4-1/2" On Center, Add	160.88	
		For 2" Diameter Pickets, >4-1/2" To 6" On Center, Add	111.60	
		For 2-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	163.61	
		For 11 Gauge A513 Steel Tubing, Deduct	-23.34	
		For 12 Gauge A513 Steel Tubing, Deduct	-26.52	
		For 14 Gauge A513 Steel Tubing, Deduct	-35.01	
		For 16 Gauge A513 Steel Tubing, Deduct	-41.38	
		For ADA Handrail P-Loop End Return, Add Per Each	209.11	
		For Additional Off Set Handrail, ADA Attachment, Add	24.90	
		For Aluminum, Satin Finish, Add	44.56	
		For Aluminum, Clear Anodized Finish, Add	68.96	
		For Aluminum, Dark Anodized Finish, Add	79.57	
		For Galvanizing, Add	42.44	
		For Wrought Iron, Add	13.15	
		For Solid Steel Rails, Add	26.30	
		For 304 Stainless Steel, Add	339.49	
		For 316 Stainless Steel, Add	381.92	
		For 2" Wheel Guard, Add	10.08	
		For 4" High Kick Plate, Add	13.26	
		For 6" High Kick Plate, Add	21.22	
		For Curved Rail, Add	71.28	
		For Mounting On Stairs, Add	39.45	
		For Mounting On Slopes, Add	13.15	
		For Post Base Flange With Screws, Add Per Post	20.04	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	30.31	
		For Custom Design Or Shapes (Square Tops, etc), Add	59.40	
		For Nylon Coating, Add	15.91	
05 52 13 00-0020		Four Rail, Up To 42" High, Welded Steel Pipe Railings (05 52 13 00-0001)		
		Note: Includes factory primed posts and four rails.		
05 52 13 00-0021	LF	1" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing.....	94.74	14.82
		For Schedule 80 Handrail, Add	13.93	
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	66.76	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	49.20	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	31.64	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	80.92	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	59.64	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	38.35	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	109.04	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	80.36	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	51.67	
		For 11 Gauge A513 Steel Tubing, Deduct	-14.32	
		For 12 Gauge A513 Steel Tubing, Deduct	-16.28	
		For 14 Gauge A513 Steel Tubing, Deduct	-21.48	
		For 16 Gauge A513 Steel Tubing, Deduct	-25.39	
		For ADA Handrail P-Loop End Return, Add Per Each	87.55	
		For Additional Off Set Handrail, ADA Attachment, Add	15.83	
		For Aluminum, Satin Finish, Add	27.34	
		For Aluminum, Clear Anodized Finish, Add	42.32	
		For Aluminum, Dark Anodized Finish, Add	48.83	
		For Galvanizing, Add	26.04	
		For Wrought Iron, Add	9.47	
		For Solid Steel Rails, Add	18.95	
		For 304 Stainless Steel, Add	208.32	
		For 316 Stainless Steel, Add	234.36	
		For 2" Wheel Guard, Add	6.18	
		For 4" High Kick Plate, Add	8.14	
		For 6" High Kick Plate, Add	13.02	
		For Curved Rail, Add	47.95	
		For Mounting On Stairs, Add	28.42	
		For Mounting On Slopes, Add	9.47	
		For Post Base Flange With Screws, Add Per Post	20.46	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	30.95	
		For Custom Design Or Shapes (Square Tops, etc), Add	39.96	
		For Nylon Coating, Add	9.77	

05 Metals**05 50 Metal Fabrications****05 52 Metal Railings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 52 13 00-0022	LF	1-1/4" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing	102.85	14.82
		For Schedule 80 Handrail, Add	22.93	
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	66.76	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	49.20	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	31.64	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	80.92	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	59.64	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	38.35	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	109.04	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	80.36	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	51.67	
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	108.82	
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	78.13	
		For 11 Gauge A513 Steel Tubing, Deduct	-16.11	
		For 12 Gauge A513 Steel Tubing, Deduct	-18.30	
		For 14 Gauge A513 Steel Tubing, Deduct	-24.16	
		For 16 Gauge A513 Steel Tubing, Deduct	-28.55	
		For ADA Handrail P-Loop End Return, Add Per Each	106.23	
		For Additional Off Set Handrail, ADA Attachment, Add	17.54	
		For Aluminum, Satin Finish, Add	30.75	
		For Aluminum, Clear Anodized Finish, Add	47.59	
		For Aluminum, Dark Anodized Finish, Add	54.91	
		For Galvanizing, Add	29.28	
		For Wrought Iron, Add	10.29	
		For Solid Steel Rails, Add	20.57	
		For 304 Stainless Steel, Add	234.27	
		For 316 Stainless Steel, Add	263.56	
		For 2" Wheel Guard, Add	6.95	
		For 4" High Kick Plate, Add	9.15	
		For 6" High Kick Plate, Add	14.64	
		For Curved Rail, Add	52.82	
		For Mounting On Stairs, Add	30.86	
		For Mounting On Slopes, Add	10.29	
		For Post Base Flange With Screws, Add Per Post	20.46	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	30.95	
		For Custom Design Or Shapes (Square Tops, etc), Add	44.02	
		For Nylon Coating, Add	10.98	
05 52 13 00-0023	LF	1-1/2" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing	110.96	14.82
		For Schedule 80 Handrail, Add	22.93	
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	66.76	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	49.20	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	31.64	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	80.92	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	59.64	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	38.35	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	109.04	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	80.36	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	51.67	
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	108.82	
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	78.13	
		For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	125.64	
		For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	88.95	
		For 11 Gauge A513 Steel Tubing, Deduct	-17.89	
		For 12 Gauge A513 Steel Tubing, Deduct	-20.33	
		For 14 Gauge A513 Steel Tubing, Deduct	-26.84	
		For 16 Gauge A513 Steel Tubing, Deduct	-31.71	
		For ADA Handrail P-Loop End Return, Add Per Each	120.89	
		For Additional Off Set Handrail, ADA Attachment, Add	19.24	
		For Aluminum, Satin Finish, Add	34.15	
		For Aluminum, Clear Anodized Finish, Add	52.86	
		For Aluminum, Dark Anodized Finish, Add	60.99	
		For Galvanizing, Add	32.53	
		For Wrought Iron, Add	11.10	
		For Solid Steel Rails, Add	22.19	
		For 304 Stainless Steel, Add	260.22	
		For 316 Stainless Steel, Add	292.75	
		For 2" Wheel Guard, Add	7.73	
		For 4" High Kick Plate, Add	10.17	
		For 6" High Kick Plate, Add	16.26	
		For Curved Rail, Add	57.68	
		For Mounting On Stairs, Add	33.29	
		For Mounting On Slopes, Add	11.10	
		For Post Base Flange With Screws, Add Per Post	20.46	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	30.95	
		For Custom Design Or Shapes (Square Tops, etc), Add	48.07	
		For Nylon Coating, Add	12.20	

Cal Poly Humboldt.		Metals 05		05
		Metal Fabrications 05 50		
		Metal Railings 05 52		
MINOR	DESCRIPTION		TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
05 52 13 00-0024	LF	2" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing	129.03	14.82
		For Schedule 80 Handrail, Add	26.56	
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	66.76	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	49.20	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	31.64	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	80.92	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	59.64	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	38.35	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	109.04	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	80.36	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	51.67	
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	108.82	
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	78.13	
		For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	125.64	
		For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	88.95	
		For 2" Diameter Pickets, >3" To 4-1/2" On Center, Add	160.88	
		For 2" Diameter Pickets, >4-1/2" To 6" On Center, Add	111.60	
		For 11 Gauge A513 Steel Tubing, Deduct	-21.87	
		For 12 Gauge A513 Steel Tubing, Deduct	-24.85	
		For 14 Gauge A513 Steel Tubing, Deduct	-32.80	
		For 16 Gauge A513 Steel Tubing, Deduct	-38.76	
		For ADA Handrail P-Loop End Return, Add Per Each	148.68	
		For Additional Off Set Handrail, ADA Attachment, Add	22.20	
		For Aluminum, Satin Finish, Add	41.74	
		For Aluminum, Clear Anodized Finish, Add	64.60	
		For Aluminum, Dark Anodized Finish, Add	74.54	
		For Galvanizing, Add	39.76	
		For Wrought Iron, Add	12.90	
		For Solid Steel Rails, Add	25.81	
		For 304 Stainless Steel, Add	318.05	
		For 316 Stainless Steel, Add	357.80	
		For 2" Wheel Guard, Add	9.44	
		For 4" High Kick Plate, Add	12.42	
		For 6" High Kick Plate, Add	19.88	
		For Curved Rail, Add	68.53	
		For Mounting On Stairs, Add	38.71	
		For Mounting On Slopes, Add	12.90	
		For Post Base Flange With Screws, Add Per Post	20.46	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	30.95	
		For Custom Design Or Shapes (Square Tops, etc), Add	57.11	
		For Nylon Coating, Add	14.91	
05 52 13 00-0025	LF	2-1/2" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing	150.20	14.82
		For Schedule 80 Handrail, Add	30.24	
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	66.76	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	49.20	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	31.64	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	80.92	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	59.64	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	38.35	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	109.04	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	80.36	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	51.67	
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	108.82	
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	78.13	
		For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	125.64	
		For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	88.95	
		For 2" Diameter Pickets, >3" To 4-1/2" On Center, Add	160.88	
		For 2" Diameter Pickets, >4-1/2" To 6" On Center, Add	111.60	
		For 2-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	163.61	
		For 11 Gauge A513 Steel Tubing, Deduct	-26.52	
		For 12 Gauge A513 Steel Tubing, Deduct	-30.14	
		For 14 Gauge A513 Steel Tubing, Deduct	-39.78	
		For 16 Gauge A513 Steel Tubing, Deduct	-47.02	
		For ADA Handrail P-Loop End Return, Add Per Each	209.11	
		For Additional Off Set Handrail, ADA Attachment, Add	25.75	
		For Aluminum, Satin Finish, Add	50.64	
		For Aluminum, Clear Anodized Finish, Add	78.36	
		For Aluminum, Dark Anodized Finish, Add	90.42	
		For Galvanizing, Add	48.22	
		For Wrought Iron, Add	15.02	
		For Solid Steel Rails, Add	30.04	
		For 304 Stainless Steel, Add	385.79	
		For 316 Stainless Steel, Add	434.02	
		For 2" Wheel Guard, Add	11.45	
		For 4" High Kick Plate, Add	15.07	
		For 6" High Kick Plate, Add	24.11	
		For Curved Rail, Add	81.23	
		For Mounting On Stairs, Add	45.06	
		For Mounting On Slopes, Add	15.02	
		For Post Base Flange With Screws, Add Per Post	20.46	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	30.95	
		For Custom Design Or Shapes (Square Tops, etc), Add	67.69	
		For Nylon Coating, Add	18.08	
05 52 13 00-0026		Railing Infill Panels (05 52 13)		
		Note: Includes field welds and touch-up of welds.		
05 52 13 00-0027		Wire Mesh Or Welded Wire Mesh, Railing Infill Panels (05 52 13 00-0026)		
		Note: Square weave or square welded wire mesh.		
05 52 13 00-0028	SF	Powder Coated Steel, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel	15.42	
05 52 13 00-0029	SF	Galvanized Steel, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel	16.37	

05	05	Metals
	05 50	Metal Fabrications
	05 52	Metal Railings

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
05 52 13 00-0030	SF	Aluminum, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel	17.22	
05 52 13 00-0031	SF	Stainless Steel, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel.....	29.11	
05 52 13 00-0032		Perforated Metal, Railing Infill Panels (05 52 13 00-0026)		
05 52 13 00-0033	SF	Powder Coated Steel, Perforated Metal, Railing Infill Panel	15.12	
05 52 13 00-0034	SF	Galvanized Steel, Perforated Metal, Railing Infill Panel.....	15.64	
05 52 13 00-0035	SF	Aluminum, Perforated Metal, Railing Infill Panel.....	16.74	
05 52 13 00-0036	SF	Stainless Steel, Perforated Metal, Railing Infill Panel.....	33.59	
05 52 13 00-0037		Expanded Metal, Railing Infill Panels (05 52 13 00-0026)		
05 52 13 00-0038	SF	Powder Coated Steel, Expanded Metal, Railing Infill Panel.....	6.82	
05 52 13 00-0039	SF	Galvanized Steel, Expanded Metal, Railing Infill Panel	13.94	
05 52 13 00-0040	SF	Aluminum, Expanded Metal, Railing Infill Panel.....	18.31	
05 52 13 00-0041	SF	Stainless Steel, Expanded Metal, Railing Infill Panel.....	27.29	
05 52 13 00-0042		Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railings (05 52 13)		
		Note: Includes factory primed, fasteners and field touch-up of welds.		
05 52 13 00-0043	LF	1" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	37.98	6.35
		For Schedule 80 Handrail, Add	3.49	
		For 11 Gauge A513 Steel Tubing, Deduct	-4.86	
		For 12 Gauge A513 Steel Tubing, Deduct	-5.53	
		For 14 Gauge A513 Steel Tubing, Deduct	-7.29	
		For 16 Gauge A513 Steel Tubing, Deduct	-8.62	
		For Stainless Steel, Add	44.20	
		For Aluminum, Satin Finish, Add	9.28	
		For Curved Rail, Add	11.39	
		For Aluminum, Clear Anodized Finish, Add	14.37	
		For Aluminum, Dark Anodized Finish, Add	16.58	
		For Galvanized Finish, Add	6.63	
05 52 13 00-0044	LF	1-1/4" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	38.69	6.35
		For Schedule 80 Handrail, Add	4.37	
		For 11 Gauge A513 Steel Tubing, Deduct	-5.02	
		For 12 Gauge A513 Steel Tubing, Deduct	-5.70	
		For 14 Gauge A513 Steel Tubing, Deduct	-7.53	
		For 16 Gauge A513 Steel Tubing, Deduct	-8.90	
		For Stainless Steel, Add	45.62	
		For Aluminum, Satin Finish, Add	9.58	
		For Curved Rail, Add	11.61	
		For Aluminum, Clear Anodized Finish, Add	14.83	
		For Aluminum, Dark Anodized Finish, Add	17.11	
		For Galvanized Finish, Add	6.84	
05 52 13 00-0045	LF	1-1/2" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	39.41	6.35
		For Schedule 80 Handrail, Add	16.37	
		For 11 Gauge A513 Steel Tubing, Deduct	-5.18	
		For 12 Gauge A513 Steel Tubing, Deduct	-5.88	
		For 14 Gauge A513 Steel Tubing, Deduct	-7.76	
		For 16 Gauge A513 Steel Tubing, Deduct	-9.18	
		For Stainless Steel, Add	47.06	
		For Aluminum, Satin Finish, Add	9.88	
		For Curved Rail, Add	11.82	
		For Aluminum, Clear Anodized Finish, Add	15.29	
		For Aluminum, Dark Anodized Finish, Add	17.65	
		For Galvanized Finish, Add	7.06	
05 52 13 00-0046	LF	2" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	47.60	6.35
		For Schedule 80 Handrail, Add	6.01	
		For 11 Gauge A513 Steel Tubing, Deduct	-6.98	
		For 12 Gauge A513 Steel Tubing, Deduct	-7.93	
		For 14 Gauge A513 Steel Tubing, Deduct	-10.47	
		For 16 Gauge A513 Steel Tubing, Deduct	-12.37	
		For Stainless Steel, Add	63.44	
		For Aluminum, Satin Finish, Add	13.32	
		For Curved Rail, Add	14.28	
		For Aluminum, Clear Anodized Finish, Add	20.62	
		For Aluminum, Dark Anodized Finish, Add	23.79	
		For Galvanized Finish, Add	9.52	
05 52 13 00-0047	LF	2-1/2" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	54.38	6.35
		For Schedule 80 Handrail, Add	6.75	
		For 11 Gauge A513 Steel Tubing, Deduct	-8.47	
		For 12 Gauge A513 Steel Tubing, Deduct	-9.63	
		For 14 Gauge A513 Steel Tubing, Deduct	-12.71	
		For 16 Gauge A513 Steel Tubing, Deduct	-15.02	
		For Stainless Steel, Add	77.00	
		For Aluminum, Satin Finish, Add	16.17	
		For Curved Rail, Add	16.31	
		For Aluminum, Clear Anodized Finish, Add	25.03	
		For Aluminum, Dark Anodized Finish, Add	28.88	
		For Galvanized Finish, Add	11.55	
05 52 13 00-0048		Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railings (05 52 13)		
		Note: Includes factory primed, fasteners and field touch-up of welds.		

			Metals	05	05
			Metal Fabrications	05 50	
			Metal Railings	05 52	
MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
			UNIT COST	UNIT COST	

05 52 13 00-0049	LF	1" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	46.36		6.67
		For Schedule 80 Handrail, Add	3.49		
		For 11 Gauge A513 Steel Tubing, Deduct	-6.71		
		For 12 Gauge A513 Steel Tubing, Deduct	-7.62		
		For 14 Gauge A513 Steel Tubing, Deduct	-10.06		
		For 16 Gauge A513 Steel Tubing, Deduct	-11.89		
		For Stainless Steel, Add	60.96		
		For Aluminum, Satin Finish, Add	12.80		
		For Curved Rail, Add	13.91		
		For Aluminum, Clear Anodized Finish, Add	19.81		
		For Aluminum, Dark Anodized Finish, Add	22.86		
		For Galvanized Finish, Add	9.14		
05 52 13 00-0050	LF	1-1/4" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	47.36		6.67
		For Schedule 80 Handrail, Add	4.37		
		For 11 Gauge A513 Steel Tubing, Deduct	-6.93		
		For 12 Gauge A513 Steel Tubing, Deduct	-7.87		
		For 14 Gauge A513 Steel Tubing, Deduct	-10.39		
		For 16 Gauge A513 Steel Tubing, Deduct	-12.28		
		For Stainless Steel, Add	62.96		
		For Aluminum, Satin Finish, Add	13.22		
		For Curved Rail, Add	14.21		
		For Aluminum, Clear Anodized Finish, Add	20.46		
		For Aluminum, Dark Anodized Finish, Add	23.61		
		For Galvanized Finish, Add	9.44		
05 52 13 00-0051	LF	1-1/2" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	48.10		6.67
		For Schedule 80 Handrail, Add	16.37		
		For 11 Gauge A513 Steel Tubing, Deduct	-7.09		
		For 12 Gauge A513 Steel Tubing, Deduct	-8.06		
		For 14 Gauge A513 Steel Tubing, Deduct	-10.63		
		For 16 Gauge A513 Steel Tubing, Deduct	-12.57		
		For Stainless Steel, Add	64.44		
		For Aluminum, Satin Finish, Add	13.53		
		For Curved Rail, Add	14.43		
		For Aluminum, Clear Anodized Finish, Add	20.94		
		For Aluminum, Dark Anodized Finish, Add	24.17		
		For Galvanized Finish, Add	9.67		
05 52 13 00-0052	LF	2" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	59.55		6.67
		For Schedule 80 Handrail, Add	6.01		
		For 11 Gauge A513 Steel Tubing, Deduct	-9.61		
		For 12 Gauge A513 Steel Tubing, Deduct	-10.92		
		For 14 Gauge A513 Steel Tubing, Deduct	-14.41		
		For 16 Gauge A513 Steel Tubing, Deduct	-17.03		
		For Stainless Steel, Add	87.34		
		For Aluminum, Satin Finish, Add	18.34		
		For Curved Rail, Add	17.87		
		For Aluminum, Clear Anodized Finish, Add	28.39		
		For Aluminum, Dark Anodized Finish, Add	32.75		
		For Galvanized Finish, Add	13.10		
05 52 13 00-0053	LF	2-1/2" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	67.03		6.67
		For Schedule 80 Handrail, Add	6.75		
		For 11 Gauge A513 Steel Tubing, Deduct	-11.25		
		For 12 Gauge A513 Steel Tubing, Deduct	-12.79		
		For 14 Gauge A513 Steel Tubing, Deduct	-16.88		
		For 16 Gauge A513 Steel Tubing, Deduct	-19.95		
		For Stainless Steel, Add	102.30		
		For Aluminum, Satin Finish, Add	21.48		
		For Curved Rail, Add	20.11		
		For Aluminum, Clear Anodized Finish, Add	33.25		
		For Aluminum, Dark Anodized Finish, Add	38.36		
		For Galvanized Finish, Add	15.35		
05 52 13 00-0054		Railing Accessories (05 52 13)			
05 52 13 00-0055	EA	Anti-Skateboard Device Attached To Stair Railing	51.75		24.14
05 52 13 00-0056		Remove And Reinstall Pipe Railing (05 52 13)			
05 52 13 00-0057	LF	Removal And Reinstallation Of Wall Bracket Mounted Pipe Railing	23.82		
05 52 13 00-0058	LF	Removal And Reinstallation Of Floor Mounted Pipe Railing	32.24		
05 52 13 00-0059	EA	Install New Galvanized Steel Pipe Railing Bracket	65.66		
		For Stainless Steel, Add	67.80		

05 53 Metal Gratings (05 50)

05 53 13 Bar Gratings (05 53)

05 53 13 00-0001 Welded Grating (05 53 13)

Note: Sizes are for height and width of bearing bars. Welded grating is open grid grating which has bearing bars and cross bars locked in place by resistance welding, or conventional hand welding. Resistance welded grating is produced on precise automated production equipment by combining hydraulic pressure with a powerful electric current to fuse - electroforge - the cross bar and bearing bar into a single rigid panel.

05 53 13 00-0002 Steel, Welded Grating (05 53 13 00-0001)

Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted or tack welded, unpainted steel, and in all sizes.

05 Metals**05 50 Metal Fabrications****05 53 Metal Gratings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 53 13 00-0003	SF	3/4" x 1/8" Steel, Welded Grating	14.13	1.17
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	2.01	
		For 304 Stainless Steel, Add	37.88	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	3.45	
		For Crossbars At 2" On-Center, Add	1.27	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-1.86	
05 53 13 00-0004	SF	3/4" x 3/16" Steel, Welded Grating	19.01	1.17
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	2.84	
		For 304 Stainless Steel, Add	53.54	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	4.87	
		For Crossbars At 2" On-Center, Add	1.80	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-1.98	
05 53 13 00-0005	SF	1" x 1/8" Steel, Welded Grating	17.27	1.17
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	2.54	
		For 304 Stainless Steel, Add	47.96	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	4.36	
		For Crossbars At 2" On-Center, Add	1.61	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-1.93	
05 53 13 00-0006	SF	1" x 3/16" Steel, Welded Grating	23.90	1.17
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	3.67	
		For 304 Stainless Steel, Add	69.24	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	6.30	
		For Crossbars At 2" On-Center, Add	2.33	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-2.10	
05 53 13 00-0007	SF	1" x 1/4" Steel, Welded Grating	30.53	1.17
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	4.79	
		For 304 Stainless Steel, Add	90.52	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	8.23	
		For Crossbars At 2" On-Center, Add	3.05	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-2.27	
05 53 13 00-0008	SF	1-1/4" x 1/8" Steel, Welded Grating	20.44	1.17
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	3.08	
		For 304 Stainless Steel, Add	58.13	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	5.29	
		For Crossbars At 2" On-Center, Add	1.96	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-2.01	
05 53 13 00-0009	SF	1-1/4" x 3/16" Steel, Welded Grating	28.51	1.17
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	4.45	
		For 304 Stainless Steel, Add	84.04	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	7.64	
		For Crossbars At 2" On-Center, Add	2.83	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-2.22	
05 53 13 00-0010	SF	1-1/2" x 1/8" Steel, Welded Grating	23.62	1.17
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	3.62	
		For 304 Stainless Steel, Add	68.34	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	6.22	
		For Crossbars At 2" On-Center, Add	2.30	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-2.09	
05 53 13 00-0011	SF	1-1/2" x 3/16" Steel, Welded Grating	33.89	1.43
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	5.28	
		For 304 Stainless Steel, Add	99.61	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	9.06	
		For Crossbars At 2" On-Center, Add	3.35	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-2.69	
05 53 13 00-0012	SF	1-1/2" x 1/4" Steel, Welded Grating	43.98	1.43
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	6.99	
		For 304 Stainless Steel, Add	132.00	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	12.01	
		For Crossbars At 2" On-Center, Add	4.44	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-2.94	

Cal Poly Humboldt.		Metals 05		05	
		Metal Fabrications 05 50			
		Metal Gratings 05 53			
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0013	SF		1-3/4" x 3/16" Steel, Welded Grating For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center For Bearing Bars At 15/16" On-Center, Add For Crossbars At 2" On-Center, Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	38.81 0.22 6.11 115.40 10.50 3.88 0.16 -2.81	1.43
05 53 13 00-0014	SF		2" x 3/16" Steel, Welded Grating For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center For Bearing Bars At 15/16" On-Center, Add For Crossbars At 2" On-Center, Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	43.42 0.22 6.90 130.20 11.84 4.38 0.16 -2.93	1.43
05 53 13 00-0015	SF		2-1/4" x 3/16" Steel, Welded Grating For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center For Bearing Bars At 15/16" On-Center, Add For Crossbars At 2" On-Center, Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	48.30 0.22 7.72 145.86 13.27 4.91 0.16 -3.05	1.43
05 53 13 00-0016	SF		2-1/2" x 3/16" Steel, Welded Grating For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center For Bearing Bars At 15/16" On-Center, Add For Crossbars At 2" On-Center, Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	52.91 0.22 8.51 160.66 14.61 5.41 0.16 -3.17	1.43
05 53 13 00-0017			Pressure Locked Grating (05 53 13) Note: Sizes are for height and width of bearing bars. Pressure locked grating is an open grid grating which is an assembly of tight-fitting, slotted bearing bars and cross bars, interlocked together. The permanent locking of the bars is accomplished by slotting the bearing bars with a wider 'dovetail' shape at the bottom of the slot. The bearing bar slot is usually 1/2 the depth of the cross bar. The cross bars are slotted to a depth slightly less than half its depth. When the bars are pressed together under hydraulic pressure, the cross bar material is forced into the 'dovetail' shape of the bearing bar notch, forming a strong, rigid unit.		
05 53 13 00-0018			Steel, Pressure Locked Grating (05 53 13 00-0017) Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted or tack welded, unpainted steel, and in all sizes.		
05 53 13 00-0019	SF		3/4" x 1/8" Steel, Pressure Locked Grating..... For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center For Bearing Bars At 15/16" On-Center, Add For Crossbars At 2" On-Center, Add For Set In Place Without Bolting Or Tack Welding, Deduct	26.94 0.22 4.04 46.05 7.19 2.66 -2.18	1.17
05 53 13 00-0020	SF		3/4" x 3/16" Steel, Pressure Locked Grating..... For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center For Bearing Bars At 15/16" On-Center, Add For Crossbars At 2" On-Center, Add For Set In Place Without Bolting Or Tack Welding, Deduct	33.22 0.22 5.07 57.80 9.02 3.34 -2.33	1.17
05 53 13 00-0021	SF		1" x 1/8" Steel, Pressure Locked Grating..... For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center For Bearing Bars At 15/16" On-Center, Add For Crossbars At 2" On-Center, Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	29.62 0.22 4.48 51.06 7.97 2.95 0.16 -2.24	1.17
05 53 13 00-0022	SF		1" x 3/16" Steel, Pressure Locked Grating..... For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center For Bearing Bars At 7/16" On-Center, Add For Bearing Bars At 15/16" On-Center, Add For Crossbars At 2" On-Center, Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	40.41 0.22 6.25 71.25 55.22 11.12 4.11 0.16 -2.51	1.17

05 Metals**05 50 Metal Fabrications****05 53 Metal Gratings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 53 13 00-0023	SF	1-1/4" x 1/8" Steel, Pressure Locked Grating.....	33.22	1.17
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	5.07	
		For 304 Stainless Steel, Add	57.80	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	9.02	
		For Crossbars At 2" On-Center, Add	3.34	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-2.33	
05 53 13 00-0024	SF	1-1/4" x 3/16" Steel, Pressure Locked Grating.....	45.40	1.17
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	7.06	
		For 304 Stainless Steel, Add	80.58	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	12.58	
		For Crossbars At 2" On-Center, Add	4.65	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-2.64	
05 53 13 00-0025	SF	1-1/2" x 1/8" Steel, Pressure Locked Grating.....	36.99	1.17
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	5.68	
		For 304 Stainless Steel, Add	64.85	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	10.12	
		For Crossbars At 2" On-Center, Add	3.74	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-2.43	
05 53 13 00-0026	SF	1-1/2" x 3/16" Steel, Pressure Locked Grating.....	51.17	1.43
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	7.92	
		For 304 Stainless Steel, Add	90.39	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 7/16" On-Center, Add	70.05	
		For Bearing Bars At 15/16" On-Center, Add	14.11	
		For Crossbars At 2" On-Center, Add	5.22	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-3.12	
05 53 13 00-0027	SF	1-3/4" x 3/16" Steel, Pressure Locked Grating.....	56.44	1.43
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	8.79	
		For 304 Stainless Steel, Add	100.25	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	15.65	
		For Crossbars At 2" On-Center, Add	5.79	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-3.26	
05 53 13 00-0028	SF	2" x 3/16" Steel, Pressure Locked Grating.....	60.73	1.43
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	9.49	
		For 304 Stainless Steel, Add	108.27	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	16.90	
		For Crossbars At 2" On-Center, Add	6.25	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-3.36	
05 53 13 00-0029	SF	2-1/4" x 3/16" Steel, Pressure Locked Grating.....	64.85	1.43
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	10.17	
		For 304 Stainless Steel, Add	115.98	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	18.10	
		For Crossbars At 2" On-Center, Add	6.69	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-3.47	
05 53 13 00-0030	SF	2-1/2" x 3/16" Steel, Pressure Locked Grating.....	68.41	1.43
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	10.75	
		For 304 Stainless Steel, Add	122.64	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	19.14	
		For Crossbars At 2" On-Center, Add	7.08	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-3.55	

05 53 13 00-0031 Aluminum, Type 6063, Pressure Locked Grating (05 53 13 00-0017)

Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted in place, and in all sizes.

05 53 13 00-0032	SF	3/4" x 1/8" Aluminum, Pressure Locked Grating	17.04	1.17
		For Bearing Bars At 15/16" On-Center, Add	4.30	
		For Crossbars At 2" On-Center, Add	1.59	
		For Set In Place Without Bolting, Deduct	-1.93	
		For Powder Coating, Add	2.21	
05 53 13 00-0033	SF	3/4" x 3/16" Aluminum, Pressure Locked Grating	23.07	1.17
		For Bearing Bars At 15/16" On-Center, Add	6.06	
		For Crossbars At 2" On-Center, Add	2.24	
		For Set In Place Without Bolting, Deduct	-2.08	
		For Powder Coating, Add	3.11	

Cal Poly Humboldt.			Metals 05		05
			Metal Fabrications 05 50		
			Metal Gratings 05 53		
MINOR	DESCRIPTION		TOTAL DIRECT	DEMOLITION	
CSI	UOM		UNIT COST	UNIT COST	
05 53 13 00-0034	SF	1" x 1/8" Aluminum, Pressure Locked Grating.....	21.77		1.17
		For Bearing Bars At 15/16" On-Center, Add	5.68		
		For Crossbars At 2" On-Center, Add	2.10		
		For Serrated Wear Surface, Add	0.16		
		For Set In Place Without Bolting, Deduct	-2.05		
		For Powder Coating, Add	2.92		
05 53 13 00-0035	SF	1" x 3/16" Aluminum, Pressure Locked Grating.....	29.57		1.17
		For Bearing Bars At 7/16" On-Center, Add	39.50		
		For Bearing Bars At 15/16" On-Center, Add	7.95		
		For Crossbars At 2" On-Center, Add	2.94		
		For Serrated Wear Surface, Add	0.16		
		For Set In Place Without Bolting, Deduct	-2.24		
		For Powder Coating, Add	4.09		
05 53 13 00-0036	SF	1-1/4" x 1/8" Aluminum, Pressure Locked Grating.....	25.20		1.17
		For Bearing Bars At 15/16" On-Center, Add	6.68		
		For Crossbars At 2" On-Center, Add	2.47		
		For Serrated Wear Surface, Add	0.16		
		For Set In Place Without Bolting, Deduct	-2.13		
		For Powder Coating, Add	3.43		
05 53 13 00-0037	SF	1-1/4" x 3/16" Aluminum, Pressure Locked Grating.....	33.70		1.17
		For Bearing Bars At 15/16" On-Center, Add	9.16		
		For Crossbars At 2" On-Center, Add	3.39		
		For Serrated Wear Surface, Add	0.16		
		For Set In Place Without Bolting, Deduct	-2.35		
		For Powder Coating, Add	4.71		
05 53 13 00-0038	SF	1-1/2" x 1/8" Aluminum, Pressure Locked Grating.....	28.42		1.17
		For Bearing Bars At 15/16" On-Center, Add	7.62		
		For Crossbars At 2" On-Center, Add	2.82		
		For Serrated Wear Surface, Add	0.16		
		For Set In Place Without Bolting, Deduct	-2.21		
		For Powder Coating, Add	3.91		
05 53 13 00-0039	SF	1-1/2" x 3/16" Aluminum, Pressure Locked Grating.....	37.96		1.17
		For Bearing Bars At 7/16" On-Center, Add	51.66		
		For Bearing Bars At 15/16" On-Center, Add	10.40		
		For Crossbars At 2" On-Center, Add	3.85		
		For Serrated Wear Surface, Add	0.16		
		For Set In Place Without Bolting, Deduct	-2.45		
		For Powder Coating, Add	5.34		
05 53 13 00-0040	SF	1-3/4" x 3/16" Aluminum, Pressure Locked Grating.....	42.04		1.17
		For Bearing Bars At 15/16" On-Center, Add	11.60		
		For Crossbars At 2" On-Center, Add	4.29		
		For Serrated Wear Surface, Add	0.16		
		For Set In Place Without Bolting, Deduct	-2.55		
		For Powder Coating, Add	5.96		
05 53 13 00-0041	SF	2" x 3/16" Aluminum, Pressure Locked Grating.....	46.87		1.17
		For Bearing Bars At 15/16" On-Center, Add	13.01		
		For Crossbars At 2" On-Center, Add	4.81		
		For Serrated Wear Surface, Add	0.16		
		For Set In Place Without Bolting, Deduct	-2.67		
		For Powder Coating, Add	6.68		
05 53 13 00-0042	SF	2-1/4" x 3/16" Aluminum, Pressure Locked Grating.....	50.67		1.17
		For Bearing Bars At 15/16" On-Center, Add	14.12		
		For Crossbars At 2" On-Center, Add	5.22		
		For Serrated Wear Surface, Add	0.16		
		For Set In Place Without Bolting, Deduct	-2.77		
		For Powder Coating, Add	7.25		
05 53 13 00-0043	SF	2-1/2" x 3/16" Aluminum, Pressure Locked Grating.....	55.19		1.17
		For Bearing Bars At 15/16" On-Center, Add	15.44		
		For Crossbars At 2" On-Center, Add	5.71		
		For Serrated Wear Surface, Add	0.16		
		For Set In Place Without Bolting, Deduct	-2.88		
		For Powder Coating, Add	7.93		
05 53 13 00-0044		Swage Locked Grating (05 53 13)			
		Note: Sizes are for height and width of bearing bars. Swage locked grating is an open grid grating where bearing bars are pre-punched to receive a cross bar without penetrating or cutting the top surface of the bearing bar. The cross bar is then inserted through the pre-punched hole and deformed by swaging or squeezing under hydraulic pressure to permanently lock the bars in place.			
05 53 13 00-0045		Steel, Swage Locked Grating (05 53 13 00-0044)			
		Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted or tack welded, unpainted steel, and in all sizes.			
05 53 13 00-0046	SF	1" x 3/16" Steel, Swaged Grating.....	44.25		1.17
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22		
		For Galvanized Steel, Add	3.86		
		For 304 Stainless Steel, Add	69.50		
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center			
		For Bearing Bars At 15/16" On-Center, Add	26.83		
		For Crossbars At 2" On-Center, Add	3.35		
		For Serrated Wear Surface, Add	0.16		
		For Set In Place Without Bolting Or Tack Welding, Deduct	-2.61		
05 53 13 00-0047	SF	1-1/4" x 3/16" Steel, Swaged Grating.....	49.41		1.17
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22		
		For Galvanized Steel, Add	4.33		
		For 304 Stainless Steel, Add	78.06		
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center			
		For Bearing Bars At 15/16" On-Center, Add	30.13		
		For Crossbars At 2" On-Center, Add	3.77		
		For Serrated Wear Surface, Add	0.16		
		For Set In Place Without Bolting Or Tack Welding, Deduct	-2.74		

05 Metals**05 50 Metal Fabrications****05 53 Metal Gratings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 53 13 00-0048	SF	1-1/2" x 3/16" Steel, Swaged Grating.....	53.99	1.43
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	4.70	
		For 304 Stainless Steel, Add	84.77	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	32.72	
		For Crossbars At 2" On-Center, Add	4.09	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-3.19	
05 53 13 00-0049	SF	1-3/4" x 3/16" Steel, Swaged Grating.....	61.92	1.43
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	5.43	
		For 304 Stainless Steel, Add	97.92	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	37.80	
		For Crossbars At 2" On-Center, Add	4.72	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-3.39	
05 53 13 00-0050	SF	2" x 3/16" Steel, Swaged Grating.....	69.87	1.43
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	6.16	
		For 304 Stainless Steel, Add	111.10	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	42.89	
		For Crossbars At 2" On-Center, Add	5.36	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-3.59	
05 53 13 00-0051	SF	2-1/4" x 3/16" Steel, Swaged Grating.....	77.80	1.43
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	6.89	
		For 304 Stainless Steel, Add	124.25	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	47.96	
		For Crossbars At 2" On-Center, Add	6.00	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-3.79	
05 53 13 00-0052	SF	2-1/2" x 3/16" Steel, Swaged Grating.....	85.76	1.43
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	7.63	
		For 304 Stainless Steel, Add	137.45	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	53.06	
		For Crossbars At 2" On-Center, Add	6.63	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-3.99	

05 53 13 00-0053 Aluminum Grating, Type 6063, Swage Locked (05 53 13 00-0044)

Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted in place, and in all sizes.

05 53 13 00-0054	SF	1" x 1/8" Aluminum, Swaged Grating.....	20.11	1.17
		For Bearing Bars At 15/16" On-Center, Add	11.38	
		For Crossbars At 2" On-Center, Add	1.42	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting, Deduct	-2.01	
		For Powder Coating, Add	2.67	
05 53 13 00-0055	SF	1" x 3/16" Aluminum, Swaged Grating.....	26.06	1.17
		For Bearing Bars At 15/16" On-Center, Add	15.19	
		For Crossbars At 2" On-Center, Add	1.90	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting, Deduct	-2.15	
		For Powder Coating, Add	3.56	
05 53 13 00-0056	SF	1-1/4" x 1/8" Aluminum, Swaged Grating.....	22.78	1.17
		For Bearing Bars At 15/16" On-Center, Add	13.09	
		For Crossbars At 2" On-Center, Add	1.64	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting, Deduct	-2.07	
		For Powder Coating, Add	3.07	
05 53 13 00-0057	SF	1-1/4" x 3/16" Aluminum, Swaged Grating.....	30.06	1.17
		For Bearing Bars At 15/16" On-Center, Add	17.75	
		For Crossbars At 2" On-Center, Add	2.22	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting, Deduct	-2.25	
		For Powder Coating, Add	4.16	
05 53 13 00-0058	SF	1-1/2" x 1/8" Aluminum, Swaged Grating.....	25.95	1.17
		For Bearing Bars At 15/16" On-Center, Add	15.12	
		For Crossbars At 2" On-Center, Add	1.89	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting, Deduct	-2.15	
		For Powder Coating, Add	3.54	
05 53 13 00-0059	SF	1-1/2" x 3/16" Aluminum, Swaged Grating.....	34.35	1.17
		For Bearing Bars At 15/16" On-Center, Add	20.49	
		For Crossbars At 2" On-Center, Add	2.56	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting, Deduct	-2.36	
		For Powder Coating, Add	4.80	
05 53 13 00-0060	SF	1-3/4" x 3/16" Aluminum, Swaged Grating.....	39.29	1.17
		For Bearing Bars At 15/16" On-Center, Add	23.65	
		For Crossbars At 2" On-Center, Add	2.96	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting, Deduct	-2.49	
		For Powder Coating, Add	5.54	

			Metals	05	05
			Metal Fabrications	05 50	
			Metal Gratings	05 53	
MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
			UNIT COST	UNIT COST	
05 53 13 00-0061	SF	2" x 3/16" Aluminum, Swaged Grating	44.20	1.17	
		For Bearing Bars At 15/16" On-Center, Add	26.80		
		For Crossbars At 2" On-Center, Add	3.35		
		For Serrated Wear Surface, Add	0.16		
		For Set In Place Without Bolting, Deduct	-2.61		
		For Powder Coating, Add	6.28		
05 53 13 00-0062	SF	2-1/4" x 3/16" Aluminum, Swaged Grating	49.13	1.17	
		For Bearing Bars At 15/16" On-Center, Add	29.95		
		For Crossbars At 2" On-Center, Add	3.74		
		For Serrated Wear Surface, Add	0.16		
		For Set In Place Without Bolting, Deduct	-2.73		
		For Powder Coating, Add	7.02		
05 53 13 00-0063	SF	2-1/2" x 3/16" Aluminum, Swaged Grating	54.05	1.17	
		For Bearing Bars At 15/16" On-Center, Add	33.10		
		For Crossbars At 2" On-Center, Add	4.14		
		For Serrated Wear Surface, Add	0.16		
		For Set In Place Without Bolting, Deduct	-2.85		
		For Powder Coating, Add	7.76		
05 53 13 00-0064		Riveted Grating (05 53 13)			
		Note: Riveted grating is an open grid grating where bearing bars are pre-punched to receive a solid round rivet. Crimp/lacing bars are pre-punched as well and then formed into a reticulated shape. Bearing bars and crimp bars are then assembled and clamped in place by rivets which are cold driven under hydraulic pressure to permanently lock the assembly together.			
05 53 13 00-0065		Steel, Riveted Grating (05 53 13 00-0064)			
		Note: 1" clear opening, bolted or tack welded in place, unpainted steel, all sizes.			
05 53 13 00-0066	SF	3/4" x 1/8", 7.0 Lb./SF, Steel, Riveted Grating	84.32	1.17	
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22		
		For Galvanized Steel, Add	3.94		
		For 304 Stainless Steel, Add	70.43		
		For 5/8" Clear Opening, Add	28.29		
		For Set In Place Without Bolting Or Tack Welding, Deduct	-3.61		
05 53 13 00-0067	SF	3/4" x 3/16", 8.5 Lb./SF, Steel, Riveted Grating	99.33	1.17	
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22		
		For Galvanized Steel, Add	4.66		
		For 304 Stainless Steel, Add	83.32		
		For 5/8" Clear Opening, Add	33.47		
		For Set In Place Without Bolting Or Tack Welding, Deduct	-3.99		
05 53 13 00-0068	SF	1" x 1/8", 8.0 Lb./SF, Steel, Riveted Grating	91.23	1.17	
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22		
		For Galvanized Steel, Add	4.27		
		For 304 Stainless Steel, Add	76.37		
		For 5/8" Clear Opening, Add	30.67		
		For Serrated Wear Surface, Add	0.16		
		For Set In Place Without Bolting Or Tack Welding, Deduct	-3.78		
05 53 13 00-0069	SF	1" x 3/16", 9.5 Lb./SF, Steel, Riveted Grating	105.05	1.17	
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22		
		For Galvanized Steel, Add	4.93		
		For 304 Stainless Steel, Add	88.24		
		For 5/8" Clear Opening, Add	35.44		
		For Serrated Wear Surface, Add	0.16		
		For Set In Place Without Bolting Or Tack Welding, Deduct	-4.13		
05 53 13 00-0070	SF	1-1/4" x 1/8", 9.0 Lb./SF, Steel, Riveted Grating	96.95	1.17	
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22		
		For Galvanized Steel, Add	4.54		
		For 304 Stainless Steel, Add	81.28		
		For 5/8" Clear Opening, Add	32.64		
		For Serrated Wear Surface, Add	0.16		
		For Set In Place Without Bolting Or Tack Welding, Deduct	-3.93		
05 53 13 00-0071	SF	1-1/4" x 3/16", 11.1 Lb./SF, Steel, Riveted Grating	115.70	1.17	
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22		
		For Galvanized Steel, Add	5.44		
		For 304 Stainless Steel, Add	97.38		
		For 5/8" Clear Opening, Add	39.11		
		For Serrated Wear Surface, Add	0.16		
		For Set In Place Without Bolting Or Tack Welding, Deduct	-4.40		
05 53 13 00-0072	SF	1-1/2" x 1/8", 10.1 Lb./SF, Steel, Riveted Grating	103.00	1.43	
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22		
		For Galvanized Steel, Add	4.81		
		For 304 Stainless Steel, Add	86.02		
		For 5/8" Clear Opening, Add	34.55		
		For Serrated Wear Surface, Add	0.16		
		For Set In Place Without Bolting Or Tack Welding, Deduct	-4.42		
05 53 13 00-0073	SF	1-1/2" x 3/16", 12.5 Lb./SF, Steel, Riveted Grating	123.03	1.43	
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22		
		For Galvanized Steel, Add	5.77		
		For 304 Stainless Steel, Add	103.23		
		For 5/8" Clear Opening, Add	41.46		
		For Serrated Wear Surface, Add	0.16		
		For Set In Place Without Bolting Or Tack Welding, Deduct	-4.92		
05 53 13 00-0074	SF	1-3/4" x 3/16", 14.0 Lb./SF, Steel, Riveted Grating	133.26	1.43	
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22		
		For Galvanized Steel, Add	6.26		
		For 304 Stainless Steel, Add	112.01		
		For 5/8" Clear Opening, Add	44.99		
		For Serrated Wear Surface, Add	0.16		
		For Set In Place Without Bolting Or Tack Welding, Deduct	-5.18		

05 Metals**05 50 Metal Fabrications****05 53 Metal Gratings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 53 13 00-0075	SF	2" x 3/16", 17.0 Lb./SF, Steel, Riveted Grating	156.09	1.43
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	7.36	
		For 304 Stainless Steel, Add	131.62	
		For 5/8" Clear Opening, Add	52.86	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-5.75	
05 53 13 00-0076	SF	2-1/4" x 3/16", 18.5 Lb./SF, Steel, Riveted Grating	164.04	1.43
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	7.74	
		For 304 Stainless Steel, Add	138.45	
		For 5/8" Clear Opening, Add	55.61	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-5.95	
05 53 13 00-0077	SF	2-1/2" x 3/16", 20.0 Lb./SF, Steel, Riveted Grating	171.13	1.43
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	8.08	
		For 304 Stainless Steel, Add	144.54	
		For 5/8" Clear Opening, Add	58.05	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-6.12	

05 53 13 00-0078 Aluminum, Riveted Grating (05 53 13 00-0064)
 Note: 1" clear opening, bolted in place and in all sizes.

05 53 13 00-0079	SF	3/4" x 1/8", 2.4 Lb./SF, Aluminum, Riveted Grating	42.92	1.17
		For 5/8" Clear Opening, Add	14.00	
		For Powder Coating, Add	6.09	
		For Set In Place Without Bolting, Deduct	-2.58	
05 53 13 00-0080	SF	3/4" x 3/16", 2.9 Lb./SF, Aluminum, Riveted Grating	50.95	1.17
		For 5/8" Clear Opening, Add	16.77	
		For Powder Coating, Add	7.29	
		For Set In Place Without Bolting, Deduct	-2.78	
05 53 13 00-0081	SF	1" x 1/8", 2.7 Lb./SF, Aluminum, Riveted Grating	47.21	1.17
		For 5/8" Clear Opening, Add	15.48	
		For Serrated Wear Surface, Add	0.16	
		For Powder Coating, Add	6.73	
		For Set In Place Without Bolting, Deduct	-2.68	
05 53 13 00-0082	SF	1" x 3/16", 3.2 Lb./SF, Aluminum, Riveted Grating	55.06	1.17
		For 5/8" Clear Opening, Add	18.19	
		For Serrated Wear Surface, Add	0.16	
		For Powder Coating, Add	7.91	
		For Set In Place Without Bolting, Deduct	-2.88	
05 53 13 00-0083	SF	1-1/4" x 1/8", 3.1 Lb./SF, Aluminum, Riveted Grating	52.95	1.17
		For 5/8" Clear Opening, Add	17.46	
		For Serrated Wear Surface, Add	0.16	
		For Powder Coating, Add	7.59	
		For Set In Place Without Bolting, Deduct	-2.83	
05 53 13 00-0084	SF	1-1/4" x 3/16", 3.8 Lb./SF, Aluminum, Riveted Grating	63.84	1.17
		For 5/8" Clear Opening, Add	21.22	
		For Serrated Wear Surface, Add	0.16	
		For Powder Coating, Add	9.23	
		For Set In Place Without Bolting, Deduct	-3.10	
05 53 13 00-0085	SF	1-1/2" x 1/8", 3.4 Lb./SF, Aluminum, Riveted Grating	56.88	1.17
		For 5/8" Clear Opening, Add	18.82	
		For Serrated Wear Surface, Add	0.16	
		For Powder Coating, Add	8.18	
		For Set In Place Without Bolting, Deduct	-2.92	
05 53 13 00-0086	SF	1-1/2" x 3/16", 4.3 Lb./SF, Aluminum, Riveted Grating	70.71	1.17
		For 5/8" Clear Opening, Add	23.59	
		For Serrated Wear Surface, Add	0.16	
		For Powder Coating, Add	10.26	
		For Set In Place Without Bolting, Deduct	-3.27	
05 53 13 00-0087	SF	1-3/4" x 3/16", 4.8 Lb./SF, Aluminum, Riveted Grating	77.96	1.17
		For 5/8" Clear Opening, Add	26.09	
		For Serrated Wear Surface, Add	0.16	
		For Powder Coating, Add	11.34	
		For Set In Place Without Bolting, Deduct	-3.45	
05 53 13 00-0088	SF	2" x 3/16", 5.8 Lb./SF, Aluminum, Riveted Grating	92.85	1.17
		For 5/8" Clear Opening, Add	31.23	
		For Serrated Wear Surface, Add	0.16	
		For Powder Coating, Add	13.58	
		For Set In Place Without Bolting, Deduct	-3.82	
05 53 13 00-0089	SF	2-1/4" x 3/16", 6.4 Lb./SF, Aluminum, Riveted Grating	101.29	1.17
		For 5/8" Clear Opening, Add	34.14	
		For Serrated Wear Surface, Add	0.16	
		For Powder Coating, Add	14.84	
		For Set In Place Without Bolting, Deduct	-4.04	
05 53 13 00-0090	SF	2-1/2" x 3/16", 7.2 Lb./SF, Aluminum, Riveted Grating	112.62	1.17
		For 5/8" Clear Opening, Add	38.05	
		For Serrated Wear Surface, Add	0.16	
		For Powder Coating, Add	16.54	
		For Set In Place Without Bolting, Deduct	-4.32	

05 53 16 Plank Gratings (05 53)**05 53 16 00-0001 Grate-Lock Steel Plank Grating** (05 53 16)

Note: Smooth or traction grip surface.

05 53 16 00-0002	SF	1-1/2" Height, 18 Gauge Steel Grate-Lock Plank Grating	18.16	0.90
		For Stair Tread Application, Add	2.09	

		Metals	05	05
		Metal Fabrications	05 50	
		Metal Gratings	05 53	
MINOR	DESCRIPTION	TOTAL DIRECT	DEMOLITION	
CSI	UOM	UNIT COST	UNIT COST	

05 53 16 00-0003	SF 2-1/2" Height, 18 Gauge Steel Grate-Lock Plank Grating..... <i>For Stair Tread Application, Add</i>	19.37 2.27	1.11
05 53 16 00-0004	SF 3" Height, 18 Gauge Steel Grate-Lock Plank Grating..... <i>For Stair Tread Application, Add</i>	20.41 2.41	1.22
05 53 16 00-0005	SF 4" Height, 18 Gauge Steel Grate-Lock Plank Grating..... <i>For Stair Tread Application, Add</i>	22.30 2.63	1.32
05 53 16 00-0006	SF 1-1/2" Height, 16 Gauge Steel Grate-Lock Plank Grating..... <i>For Stair Tread Application, Add</i>	22.12 2.51	1.01
05 53 16 00-0007	SF 2-1/2" Height, 16 Gauge Steel Grate-Lock Plank Grating..... <i>For Stair Tread Application, Add</i>	23.51 2.72	1.22
05 53 16 00-0008	SF 1-1/2" Height, 14 Gauge Steel Grate-Lock Plank Grating..... <i>For Stair Tread Application, Add</i>	27.17 3.07	1.17
05 53 16 00-0009	SF 2-1/2" Height, 14 Gauge Steel Grate-Lock Plank Grating..... <i>For Stair Tread Application, Add</i>	28.90 3.32	1.43
05 53 16 00-0010	SF 3" Height, 14 Gauge Steel Grate-Lock Plank Grating..... <i>For Stair Tread Application, Add</i>	30.89 3.63	1.80
05 53 16 00-0011	SF 4" Height, 14 Gauge Steel Grate-Lock Plank Grating..... <i>For Stair Tread Application, Add</i>	34.09 4.01	2.01

05 54 Metal Floor Plates (05 50)

05 54 00 00-0001	Steel Floor Plates (05 54)		
05 54 00 00-0002	SF 16 Gauge Steel Raised Or Diamond Pattern Floor Plates.....	23.01	1.37
05 54 00 00-0003	SF 14 Gauge Steel Raised Or Diamond Pattern Floor Plates.....	26.45	1.37
05 54 00 00-0004	SF 12 Gauge Steel Raised Or Diamond Pattern Floor Plates.....	33.36	1.37
05 54 00 00-0005	SF 1/8" Steel Raised Or Diamond Pattern Floor Plates.....	44.76	1.48
05 54 00 00-0006	SF 1/4" Steel Raised Or Diamond Pattern Floor Plates.....	57.16	1.59
05 54 00 00-0007	Aluminum Alloy Floor Plates (05 54)		
05 54 00 00-0008	SF 0.125" Aluminum Alloy Raised Or Diamond Pattern Floor Plate..... <i>For Powder Coating, Add</i>	30.93 4.29	1.17
05 54 00 00-0009	SF 0.188" Aluminum Alloy Raised Or Diamond Pattern Floor Plate..... <i>For Powder Coating, Add</i>	35.50 4.93	1.37
05 54 00 00-0010	SF 0.25" Aluminum Alloy Raised Or Diamond Pattern Floor Plate..... <i>For Powder Coating, Add</i>	40.07 5.57	1.48
05 54 00 00-0011	Type 304 Stainless Steel Floor Plates (05 54)		
05 54 00 00-0012	SF 1/8" Type 304 Stainless Steel Raised Or Diamond Pattern Floor Plate.....	39.12	1.59
05 54 00 00-0013	SF 3/16" Type 304 Stainless Steel Raised Or Diamond Pattern Floor Plate.....	46.78	1.80
05 54 00 00-0014	SF 1/4" Type 304 Stainless Raised Or Diamond Pattern Steel Floor Plate.....	60.63	2.11

05 55 Metal Stair Treads and Nosings (05 50)

05 55 13 Metal Stair Treads (05 55)

05 55 13 00-0001	Abrasive Cast Aluminum Stair Treads (05 55 13)		
Note: Includes abrasive diamond pattern surface and anchors. Excludes stringers.			
05 55 13 00-0002	LF 8" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread..... <i>For 3/8" Thick, Add</i>	74.85 15.89	7.06
05 55 13 00-0003	LF 9" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread..... <i>For 3/8" Thick, Add</i>	82.45 17.79	7.06
05 55 13 00-0004	LF 10" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread..... <i>For 3/8" Thick, Add</i>	90.04 19.69	7.06
05 55 13 00-0005	LF 11" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread..... <i>For 3/8" Thick, Add</i>	97.67 21.59	7.06
05 55 13 00-0006	LF 12" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread..... <i>For 3/8" Thick, Add</i>	105.23 23.48	7.06

05 55 13 00-0007	Abrasive Cast Iron Stair Treads (05 55 13)		
Note: Includes abrasive diamond pattern surface and anchors. Excludes stringers.			
05 55 13 00-0008	LF 8" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread.....	104.34	7.06
05 55 13 00-0009	LF 9" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread.....	115.61	7.06
05 55 13 00-0010	LF 10" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread.....	126.90	7.06
05 55 13 00-0011	LF 11" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread.....	138.16	7.06
05 55 13 00-0012	LF 12" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread.....	149.45	7.06

05 55 13 00-0013	Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Treads (05 55 13)		
Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors. Excludes stringers.			
05 55 13 00-0014	LF 6-1/2" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread.....	39.28	7.06
05 55 13 00-0015	LF 9" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread.....	46.17	7.06
05 55 13 00-0016	LF 11" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread.....	49.21	7.06

05 55 13 00-0017	Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Treads (05 55 13)		
Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors. Excludes stringers.			

05 Metals**05 50 Metal Fabrications****05 55 Metal Stair Treads and Nosings**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
05 55 13 00-0018	LF 8" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread..... <i>For Epoxy Sealed For Corrosive Environment, Add</i> <i>For Two Color Tread, Add</i>	58.30 4.78 3.59		7.06	
05 55 13 00-0019	LF 9" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread..... <i>For Epoxy Sealed For Corrosive Environment, Add</i> <i>For Two Color Tread, Add</i>	58.87 4.78 3.59		7.06	
05 55 13 00-0020	LF 11" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread..... <i>For Epoxy Sealed For Corrosive Environment, Add</i> <i>For Two Color Tread, Add</i>	71.26 4.78 3.59		7.06	
05 55 13 00-0021	LF 12" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread..... <i>For Epoxy Sealed For Corrosive Environment, Add</i> <i>For Two Color Tread, Add</i>	82.12 4.78 3.59		7.06	
05 55 13 00-0022	LF 15" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread..... <i>For Epoxy Sealed For Corrosive Environment, Add</i> <i>For Two Color Tread, Add</i>	96.28 4.78 3.59		7.06	
05 55 13 00-0023	Stair Landing Treads (05 55 13)				
05 55 13 00-0024	Abrasive Cast Aluminum Stair Landing Treads (05 55 13 00-0023) Note: Includes abrasive diamond pattern surface and anchors.				
05 55 13 00-0025	SF 5/16" Thick, Abrasive Cast Aluminum Landing Treads..... <i>For 3/8" Thick, Add</i>	105.23 23.48		7.06	
05 55 13 00-0026	Abrasive Cast Iron Stair Landing Treads (05 55 13 00-0023) Note: Includes abrasive diamond pattern surface and anchors.				
05 55 13 00-0027	SF 3/8" Thick, Abrasive Cast Iron Landing Treads.....	149.45		7.06	
05 55 13 00-0028	Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Landing Treads (05 55 13 00-0023) Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors.				
05 55 13 00-0029	SF 9/32" Thick, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Landing Treads..... <i>For Epoxy Sealed For Corrosive Environment, Add</i>	97.52 4.78		7.06	
05 55 13 00-0030	Open Cast Iron Stair Tread (05 55 13) Note: Includes steel stringers, safety nosing and 2 pipe handrail. Excludes landings.				
05 55 13 00-0031	RSR 3'-6" Wide, Open Cast Iron Stair Tread..... <i>For Closed Riser, Add</i>	809.33 69.51		42.34	
05 55 13 00-0032	RSR 4'-0" Wide, Open Cast Iron Stair Tread..... <i>For Closed Riser, Add</i>	904.84 77.55		48.69	
05 55 13 00-0033	RSR 5'-0" Wide, Open Cast Iron Stair Tread..... <i>For Closed Riser, Add</i>	995.18 85.21		57.16	
05 55 16	Metal Stair Nosings (05 55)				
05 55 16 00-0001	Abrasive Cast Aluminum Nosings (05 55 16) Note: Includes abrasive diamond pattern surface and anchors.				
05 55 16 00-0002	LF 3" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing..... <i>For 3/8" Thick, Add</i>	31.48 5.95		4.82	
05 55 16 00-0003	LF 4" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing..... <i>For 3/8" Thick, Add</i>	38.82 7.78		4.82	
05 55 16 00-0004	LF 6" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing..... <i>For 3/8" Thick, Add</i>	55.18 11.87		4.82	
05 55 16 00-0005	Abrasive Cast Iron Nosings (05 55 16) Note: Includes abrasive diamond pattern surface and anchors.				
05 55 16 00-0006	LF 3" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing..... <i>For 3/8" Thick, Add</i>	36.84 7.29		4.82	
05 55 16 00-0007	LF 4" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing..... <i>For 3/8" Thick, Add</i>	45.88 9.55		4.82	
05 55 16 00-0008	LF 6" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing..... <i>For 3/8" Thick, Add</i>	63.75 14.01		4.82	
05 55 16 00-0009	Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosings (05 55 16) Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors.				
05 55 16 00-0010	LF 1-7/8" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	26.51		4.82	
05 55 16 00-0011	LF 3" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	30.05		4.82	
05 55 16 00-0012	LF 4" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	32.75		4.82	
05 55 16 00-0013	LF 6" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	41.14		4.82	
05 55 16 00-0014	LF 1-7/8" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	27.46		4.82	
05 55 16 00-0015	LF 3" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	30.48		4.82	
05 55 16 00-0016	LF 4" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	33.47		4.82	
05 55 16 00-0017	LF 3" Depth, 1/4" Thick, 1-3/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	31.65		4.82	
05 56	Metal Castings (05 50)				
05 56 00 00-0001	Castings (05 56)				
05 56 00 00-0002	LB Up To 150 Lb., Miscellaneous Castings, Light Section.....	6.27		0.53	

			Metals	05	05
			Metal Fabrications	05 50	
			Metal Castings	05 56	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

05 56 00 00-0003	LB	>150 Lb., Miscellaneous Castings, Heavy Section.....	10.97	0.42
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05 58 Formed Metal Fabrications (05 50)

05 58 16 Formed Metal Enclosures (05 58)

05 58 16 00-0001		Drip Pan (05 58 16)		
05 58 16 00-0002	SF	Stainless Steel Drip Pan.....	121.08	8.84
05 58 16 00-0003	SF	Galvanized Steel Drip Pan.....	119.65	8.84
05 58 16 00-0004	SF	Aluminum Drip Pan.....	84.32	7.07
05 58 16 00-0005	SF	Plastic Drip Pan.....	23.60	6.19

05 58 23 Formed Metal Guards (05 58)

05 58 23 00-0001		Protective Guard Rails (05 58 23)		
		Note: Includes painted finish.		
05 58 23 00-0002		2-Rib, 11 Gauge Steel, Protective Guard Rails (05 58 23 00-0001)		
		Note: Steel King Armor Guard.		
05 58 23 00-0003		Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rails (05 58 23 00-0002)		
		Note: Excludes posts. Includes fasteners.		
05 58 23 00-0004	EA	1' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	215.81	23.11
05 58 23 00-0005	EA	2' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	253.84	23.11
05 58 23 00-0006	EA	3' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	289.71	23.11
05 58 23 00-0007	EA	4' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	327.74	23.11
05 58 23 00-0008	EA	5' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	363.81	23.11
05 58 23 00-0009	EA	6' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	410.58	23.11
05 58 23 00-0010	EA	7' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	442.44	23.11
05 58 23 00-0011	EA	8' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	491.77	23.11
05 58 23 00-0012	EA	9' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	524.14	23.11
05 58 23 00-0013	EA	10' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	547.27	23.11

05 58 23 00-0014		Posts For 2-Rib Guard Rails (05 58 23 00-0002)		
		Note: Includes drilling, surface mounting plate and anchors.		
05 58 23 00-0015	EA	12" Height, Single Rail Post For 2-Rib Guard Rails.....	433.40	48.15
05 58 23 00-0016	EA	42" Height, Triple Rail Post For 2-Rib Guard Rails.....	565.47	48.15

05 58 23 00-0017		3-Rib, 11 Gauge Steel, Protective Guard Rails (05 58 23 00-0001)		
		Note: Steel King Steel Guard.		
05 58 23 00-0018		Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rails (05 58 23 00-0017)		
		Note: Excludes posts. Includes fasteners.		
05 58 23 00-0019	EA	1' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	238.73	23.11
05 58 23 00-0020	EA	2' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	264.01	23.11
05 58 23 00-0021	EA	3' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	295.57	23.11
05 58 23 00-0022	EA	4' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	325.06	23.11
05 58 23 00-0023	EA	5' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	359.19	23.11
05 58 23 00-0024	EA	6' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	375.63	23.11
05 58 23 00-0025	EA	7' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	415.20	23.11
05 58 23 00-0026	EA	8' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	448.60	23.11
05 58 23 00-0027	EA	9' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	484.06	23.11
05 58 23 00-0028	EA	10' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	520.03	23.11

05 58 23 00-0029		Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rails (05 58 23 00-0017)		
		Note: Excludes posts. Includes fasteners and lift-out mounting plate.		
05 58 23 00-0030	EA	1' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	352.51	23.11
05 58 23 00-0031	EA	2' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	380.26	23.11
05 58 23 00-0032	EA	3' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	409.03	23.11
05 58 23 00-0033	EA	4' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	442.44	23.11
05 58 23 00-0034	EA	5' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	475.84	23.11
05 58 23 00-0035	EA	6' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	503.08	23.11
05 58 23 00-0036	EA	7' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	534.42	23.11
05 58 23 00-0037	EA	8' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	569.88	23.11
05 58 23 00-0038	EA	9' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	607.91	23.11
05 58 23 00-0039	EA	10' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	641.31	23.11

05 58 23 00-0040		Posts For 3-Rib Guard Rails (05 58 23 00-0017)		
		Note: Includes drilling, surface mounting plate and anchors.		
05 58 23 00-0041	EA	18" Height, Single Rail Post For 3-Rib Guard Rails.....	380.78	48.15
05 58 23 00-0042	EA	42" Height, Double Rail Post For 3-Rib Guard Rails.....	487.87	48.15

05 58 23 00-0043		All-Welded, Protective Guards (05 58 23)		
		Note: Surface mounted inverted-U style protective barriers. Includes painted finish, drilling, surface mounting plate and anchors.		

05 58 23 00-0044		All-Welded, Protective Guards (05 58 23 00-0043)		
05 58 23 00-0045	EA	36" Length, 9" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....	496.85	64.19
05 58 23 00-0046	EA	48" Length, 9" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....	522.54	64.19
05 58 23 00-0047	EA	36" Length, 16" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....	537.45	64.19
05 58 23 00-0048	EA	48" Length, 16" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....	559.54	64.19

05 Metals**05 50 Metal Fabrications****05 58 Formed Metal Fabrications**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 58 23 00-0049	EA	36" Length, 24" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....	554.40	64.19
05 58 23 00-0050	EA	48" Length, 24" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....	581.64	64.19
05 58 23 00-0051	EA	36" Length, 36" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....	589.35	64.19
05 58 23 00-0052	EA	48" Length, 36" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....	598.08	64.19
05 58 23 00-0053	EA	48" Length, 42" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....	639.71	64.19

05 58 23 00-0054 Corner Style, All-Welded, Protective Guards (05 58 23 00-0043)

05 58 23 00-0055	EA	24" Length, 24" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard.....	656.15	64.19
05 58 23 00-0056	EA	30" Length, 24" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard.....	686.99	64.19
05 58 23 00-0057	EA	24" Length, 36" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard.....	699.83	64.19
05 58 23 00-0058	EA	30" Length, 36" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard.....	763.04	64.19

05 58 23 00-0059 Warehouse Safety Bollards (05 58 23)

Note: Includes painted finish, drilling, surface mounting plate and anchors.

05 58 23 00-0060	EA	24" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	315.45	48.15
05 58 23 00-0061	EA	36" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	366.22	48.15
05 58 23 00-0062	EA	42" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	419.98	48.15
05 58 23 00-0063	EA	36" Height, 5-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	434.67	48.15
05 58 23 00-0064	EA	42" Height, 5-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	468.59	48.15

05 59 Metal Specialties (05 59)**05 59 65 Metal Chain** (05 59)**05 59 65 00-0001 Alloy Steel Chain, Self Colored, Cut Length** (05 59 65)

Note: Includes all connecting links, double clevis mid-Links, slip or grab hooks, or shackles as required.

05 59 65 00-0002	LF	3/16" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	7.15	1.03
		<i>For Plastic Dipped, Add</i>	0.77	
05 59 65 00-0003	LF	1/4" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	8.56	1.37
		<i>For Plastic Dipped, Add</i>	0.87	
05 59 65 00-0004	LF	3/8" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	13.32	2.73
		<i>For Plastic Dipped, Add</i>	1.18	
05 59 65 00-0005	LF	1/2" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	21.29	4.61
		<i>For Plastic Dipped, Add</i>	1.81	
05 59 65 00-0006	LF	5/8" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	35.93	7.79
		<i>For Plastic Dipped, Add</i>	3.05	
05 59 65 00-0007	LF	3/4" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	50.42	10.93
		<i>For Plastic Dipped, Add</i>	4.28	
05 59 65 00-0008	LF	7/8" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	69.20	13.66
		<i>For Plastic Dipped, Add</i>	6.28	
05 59 65 00-0009	LF	1" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	100.64	18.21
		<i>For Plastic Dipped, Add</i>	9.63	
05 59 65 00-0010	LF	1-1/4" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	164.53	27.33
		<i>For Plastic Dipped, Add</i>	16.48	

05 59 65 00-0011 316L Stainless Steel Chain, Cut Length (05 59 65)

05 59 65 00-0012	CLF	1/8" Diameter 316L Stainless Steel Chain, Cut Length.....	2,681.40	91.05
05 59 65 00-0013	CLF	3/16" Diameter 316L Stainless Steel Chain, Cut Length.....	3,299.92	109.30
05 59 65 00-0014	CLF	9/32" Diameter 316L Stainless Steel Chain, Cut Length.....	4,136.58	136.63
05 59 65 00-0015	CLF	5/16" Diameter 316L Stainless Steel Chain, Cut Length.....	5,588.54	182.21
05 59 65 00-0016	CLF	3/8" Diameter 316L Stainless Steel Chain, Cut Length.....	6,351.18	273.27
05 59 65 00-0017	CLF	1/2" Diameter 316L Stainless Steel Chain, Cut Length.....	9,580.76	455.48

05 59 69 Metal Panels (05 59)**05 59 69 00-0001 Woven And Welded Wire Cloth** (05 59 69)

Note: Excludes frame and fastening to frame. See CSI section 05 05 21 00-0004 for spot welding.

05 59 69 00-0002 Plain Steel Woven And Welded Wire Cloth Panels (05 59 69 00-0001)**05 59 69 00-0003 2" Square Wire Spacing** (05 59 69 00-0002)

05 59 69 00-0004	SF	0.12" Thick Wire, 2" Spacing, 0.44 Lb./SF, Woven And Welded Wire Cloth Panels.....	9.81	2.92
		<i>For Up To 2, Add</i>	2.74	
		<i>For >2 To 6, Add</i>	1.56	
		<i>For >15 To 40, Deduct</i>	-0.30	
		<i>For >40, Deduct</i>	-0.89	
		<i>For Galvanized, Add</i>	2.60	
		<i>For Aluminum, Add</i>	3.55	
		<i>For 304 Stainless Steel, Add</i>	14.21	
		<i>For 316 Stainless Steel, Add</i>	16.28	
05 59 69 00-0005	SF	0.135" Thick Wire, 2" Spacing, 0.55 Lb./SF, Woven And Welded Wire Cloth Panels.....	10.56	3.04
		<i>For Up To 2, Add</i>	2.92	
		<i>For >2 To 6, Add</i>	1.67	
		<i>For >15 To 40, Deduct</i>	-0.33	
		<i>For >40, Deduct</i>	-0.98	
		<i>For Galvanized, Add</i>	2.86	
		<i>For Aluminum, Add</i>	3.90	
		<i>For 304 Stainless Steel, Add</i>	15.60	
		<i>For 316 Stainless Steel, Add</i>	17.88	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0006	SF		0.148" Thick Wire, 2" Spacing, 0.65 Lb./SF, Woven And Welded Wire Cloth Panels	11.22	3.37
			For Up To 2, Add	3.14	
			For >2 To 6, Add	1.80	
			For >15 To 40, Deduct	-0.34	
			For >40, Deduct	-1.01	
			For Galvanized, Add	2.96	
			For Aluminum, Add	4.04	
			For 304 Stainless Steel, Add	16.15	
			For 316 Stainless Steel, Add	18.51	
05 59 69 00-0007	SF		0.162" Thick Wire, 2" Spacing, 0.78 Lb./SF, Woven And Welded Wire Cloth Panels	11.82	3.51
			For Up To 2, Add	3.30	
			For >2 To 6, Add	1.88	
			For >15 To 40, Deduct	-0.36	
			For >40, Deduct	-1.07	
			For Galvanized, Add	3.15	
			For Aluminum, Add	4.29	
			For 304 Stainless Steel, Add	17.16	
			For 316 Stainless Steel, Add	19.66	
05 59 69 00-0008	SF		0.177" Thick Wire, 2" Spacing, 0.92 Lb./SF, Woven And Welded Wire Cloth Panels	12.93	3.94
			For Up To 2, Add	3.64	
			For >2 To 6, Add	2.08	
			For >15 To 40, Deduct	-0.38	
			For >40, Deduct	-1.15	
			For Galvanized, Add	3.38	
			For Aluminum, Add	4.61	
			For 304 Stainless Steel, Add	18.43	
			For 316 Stainless Steel, Add	21.12	
05 59 69 00-0009	SF		0.192" Thick Wire, 2" Spacing, 1.08 Lb./SF, Woven And Welded Wire Cloth Panels	14.86	4.38
			For Up To 2, Add	4.14	
			For >2 To 6, Add	2.36	
			For >15 To 40, Deduct	-0.45	
			For >40, Deduct	-1.35	
			For Galvanized, Add	3.97	
			For Aluminum, Add	5.41	
			For 304 Stainless Steel, Add	21.65	
			For 316 Stainless Steel, Add	24.81	
05 59 69 00-0010	SF		0.207" Thick Wire, 2" Spacing, 1.25 Lb./SF, Woven And Welded Wire Cloth Panels	16.87	4.82
			For Up To 2, Add	4.66	
			For >2 To 6, Add	2.65	
			For >15 To 40, Deduct	-0.52	
			For >40, Deduct	-1.57	
			For Galvanized, Add	4.59	
			For Aluminum, Add	6.26	
			For 304 Stainless Steel, Add	25.06	
			For 316 Stainless Steel, Add	28.71	
05 59 69 00-0011	SF		0.225" Thick Wire, 2" Spacing, 1.46 Lb./SF, Woven And Welded Wire Cloth Panels	19.33	5.36
			For Up To 2, Add	5.29	
			For >2 To 6, Add	3.00	
			For >15 To 40, Deduct	-0.61	
			For >40, Deduct	-1.83	
			For Galvanized, Add	5.36	
			For Aluminum, Add	7.31	
			For 304 Stainless Steel, Add	29.26	
			For 316 Stainless Steel, Add	33.52	
05 59 69 00-0012			1-3/4" Square Wire Spacing (05 59 69 00-0002)		
05 59 69 00-0013	SF		0.12" Thick Wire, 1-3/4" Spacing, 0.49 Lb./SF, Woven And Welded Wire Cloth Panels	10.29	3.09
			For Up To 2, Add	2.88	
			For >2 To 6, Add	1.65	
			For >15 To 40, Deduct	-0.31	
			For >40, Deduct	-0.93	
			For Galvanized, Add	2.71	
			For Aluminum, Add	3.70	
			For 304 Stainless Steel, Add	14.81	
			For 316 Stainless Steel, Add	16.97	
05 59 69 00-0014	SF		0.135" Thick Wire, 1-3/4" Spacing, 0.62 Lb./SF, Woven And Welded Wire Cloth Panels	11.33	3.25
			For Up To 2, Add	3.14	
			For >2 To 6, Add	1.79	
			For >15 To 40, Deduct	-0.35	
			For >40, Deduct	-1.05	
			For Galvanized, Add	3.07	
			For Aluminum, Add	4.19	
			For 304 Stainless Steel, Add	16.75	
			For 316 Stainless Steel, Add	19.20	
05 59 69 00-0015	SF		0.148" Thick Wire, 1-3/4" Spacing, 0.74 Lb./SF, Woven And Welded Wire Cloth Panels	12.17	3.65
			For Up To 2, Add	3.41	
			For >2 To 6, Add	1.95	
			For >15 To 40, Deduct	-0.36	
			For >40, Deduct	-1.09	
			For Galvanized, Add	3.21	
			For Aluminum, Add	4.37	
			For 304 Stainless Steel, Add	17.50	
			For 316 Stainless Steel, Add	20.05	

05 Metals**05 50 Metal Fabrications****05 59 Metal Specialties**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 59 69 00-0016	SF	0.162" Thick Wire, 1-3/4" Spacing, 0.88 Lb./SF, Woven And Welded Wire Cloth Panels.....	12.72	3.77
		For Up To 2, Add	3.55	
		For >2 To 6, Add	2.03	
		For >15 To 40, Deduct	-0.38	
		For >40, Deduct	-1.15	
		For Galvanized, Add	3.38	
		For Aluminum, Add	4.61	
		For 304 Stainless Steel, Add	18.46	
		For 316 Stainless Steel, Add	21.15	
05 59 69 00-0017	SF	0.177" Thick Wire, 1-3/4" Spacing, 1.04 Lb./SF, Woven And Welded Wire Cloth Panels.....	13.91	4.23
		For Up To 2, Add	3.91	
		For >2 To 6, Add	2.24	
		For >15 To 40, Deduct	-0.41	
		For >40, Deduct	-1.24	
		For Galvanized, Add	3.64	
		For Aluminum, Add	4.96	
		For 304 Stainless Steel, Add	19.85	
		For 316 Stainless Steel, Add	22.74	
05 59 69 00-0018	SF	0.192" Thick Wire, 1-3/4" Spacing, 1.22 Lb./SF, Woven And Welded Wire Cloth Panels.....	16.00	4.73
		For Up To 2, Add	4.46	
		For >2 To 6, Add	2.55	
		For >15 To 40, Deduct	-0.49	
		For >40, Deduct	-1.46	
		For Galvanized, Add	4.27	
		For Aluminum, Add	5.82	
		For 304 Stainless Steel, Add	23.28	
		For 316 Stainless Steel, Add	26.68	
05 59 69 00-0019	SF	0.207" Thick Wire, 1-3/4" Spacing, 1.41 Lb./SF, Woven And Welded Wire Cloth Panels.....	18.13	5.18
		For Up To 2, Add	5.01	
		For >2 To 6, Add	2.85	
		For >15 To 40, Deduct	-0.56	
		For >40, Deduct	-1.68	
		For Galvanized, Add	4.94	
		For Aluminum, Add	6.73	
		For 304 Stainless Steel, Add	26.93	
		For 316 Stainless Steel, Add	30.86	
05 59 69 00-0020	SF	0.225" Thick Wire, 1-3/4" Spacing, 1.65 Lb./SF, Woven And Welded Wire Cloth Panels.....	20.81	5.76
		For Up To 2, Add	5.70	
		For >2 To 6, Add	3.23	
		For >15 To 40, Deduct	-0.66	
		For >40, Deduct	-1.97	
		For Galvanized, Add	5.77	
		For Aluminum, Add	7.87	
		For 304 Stainless Steel, Add	31.49	
		For 316 Stainless Steel, Add	36.08	
05 59 69 00-0021		1-1/2" Square Wire Spacing (05 59 69 00-0002)		
05 59 69 00-0022	SF	0.12" Thick Wire, 1-1/2" Spacing, 0.57 Lb./SF, Woven And Welded Wire Cloth Panels.....	11.40	3.44
		For Up To 2, Add	3.19	
		For >2 To 6, Add	1.83	
		For >15 To 40, Deduct	-0.34	
		For >40, Deduct	-1.02	
		For Galvanized, Add	3.01	
		For Aluminum, Add	4.10	
		For 304 Stainless Steel, Add	16.39	
		For 316 Stainless Steel, Add	18.78	
05 59 69 00-0023	SF	0.135" Thick Wire, 1-1/2" Spacing, 0.72 Lb./SF, Woven And Welded Wire Cloth Panels.....	12.53	3.61
		For Up To 2, Add	3.47	
		For >2 To 6, Add	1.97	
		For >15 To 40, Deduct	-0.39	
		For >40, Deduct	-1.16	
		For Galvanized, Add	3.40	
		For Aluminum, Add	4.63	
		For 304 Stainless Steel, Add	18.53	
		For 316 Stainless Steel, Add	21.23	
05 59 69 00-0024	SF	0.148" Thick Wire, 1-1/2" Spacing, 0.85 Lb./SF, Woven And Welded Wire Cloth Panels.....	13.32	4.00
		For Up To 2, Add	3.73	
		For >2 To 6, Add	2.13	
		For >15 To 40, Deduct	-0.40	
		For >40, Deduct	-1.20	
		For Galvanized, Add	3.51	
		For Aluminum, Add	4.79	
		For 304 Stainless Steel, Add	19.15	
		For 316 Stainless Steel, Add	21.95	
05 59 69 00-0025	SF	0.162" Thick Wire, 1-1/2" Spacing, 1.02 Lb./SF, Woven And Welded Wire Cloth Panels.....	14.04	4.16
		For Up To 2, Add	3.92	
		For >2 To 6, Add	2.24	
		For >15 To 40, Deduct	-0.42	
		For >40, Deduct	-1.27	
		For Galvanized, Add	3.74	
		For Aluminum, Add	5.09	
		For 304 Stainless Steel, Add	20.38	
		For 316 Stainless Steel, Add	23.35	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0026	SF	0.177" Thick Wire, 1-1/2" Spacing, 1.2 Lb./SF, Woven And Welded Wire Cloth Panels.....	15.30	4.65
		For Up To 2, Add	4.30	
		For >2 To 6, Add	2.46	
		For >15 To 40, Deduct	-0.45	
		For >40, Deduct	-1.36	
		For Galvanized, Add	4.00	
		For Aluminum, Add	5.45	
		For 304 Stainless Steel, Add	21.82	
		For 316 Stainless Steel, Add	25.00	
05 59 69 00-0027	SF	0.192" Thick Wire, 1-1/2" Spacing, 1.4 Lb./SF, Woven And Welded Wire Cloth Panels.....	17.48	5.16
		For Up To 2, Add	4.87	
		For >2 To 6, Add	2.78	
		For >15 To 40, Deduct	-0.53	
		For >40, Deduct	-1.59	
		For Galvanized, Add	4.67	
		For Aluminum, Add	6.37	
		For 304 Stainless Steel, Add	25.46	
		For 316 Stainless Steel, Add	29.18	
05 59 69 00-0028	SF	0.207" Thick Wire, 1-1/2" Spacing, 1.62 Lb./SF, Woven And Welded Wire Cloth Panels.....	19.83	5.67
		For Up To 2, Add	5.48	
		For >2 To 6, Add	3.12	
		For >15 To 40, Deduct	-0.61	
		For >40, Deduct	-1.84	
		For Galvanized, Add	5.40	
		For Aluminum, Add	7.36	
		For 304 Stainless Steel, Add	29.45	
		For 316 Stainless Steel, Add	33.74	
05 59 69 00-0029	SF	0.225" Thick Wire, 1-1/2" Spacing, 1.89 Lb./SF, Woven And Welded Wire Cloth Panels.....	22.69	6.29
		For Up To 2, Add	6.21	
		For >2 To 6, Add	3.52	
		For >15 To 40, Deduct	-0.72	
		For >40, Deduct	-2.15	
		For Galvanized, Add	6.30	
		For Aluminum, Add	8.59	
		For 304 Stainless Steel, Add	34.37	
		For 316 Stainless Steel, Add	39.38	
05 59 69 00-0030		1-1/4" Square Wire Spacing (05 59 69 00-0002)		
05 59 69 00-0031	SF	0.105" Thick Wire, 1-1/4" Spacing, 0.52 Lb./SF, Woven And Welded Wire Cloth Panels.....	11.65	3.71
		For Up To 2, Add	3.32	
		For >2 To 6, Add	1.91	
		For >15 To 40, Deduct	-0.33	
		For >40, Deduct	-1.00	
		For Galvanized, Add	2.94	
		For Aluminum, Add	4.01	
		For 304 Stainless Steel, Add	16.06	
		For 316 Stainless Steel, Add	18.40	
05 59 69 00-0032	SF	0.12" Thick Wire, 1-1/4" Spacing, 0.68 Lb./SF, Woven And Welded Wire Cloth Panels.....	12.60	3.89
		For Up To 2, Add	3.56	
		For >2 To 6, Add	2.04	
		For >15 To 40, Deduct	-0.37	
		For >40, Deduct	-1.11	
		For Galvanized, Add	3.26	
		For Aluminum, Add	4.45	
		For 304 Stainless Steel, Add	17.78	
		For 316 Stainless Steel, Add	20.38	
05 59 69 00-0033	SF	0.135" Thick Wire, 1-1/4" Spacing, 0.85 Lb./SF, Woven And Welded Wire Cloth Panels.....	13.70	4.06
		For Up To 2, Add	3.82	
		For >2 To 6, Add	2.18	
		For >15 To 40, Deduct	-0.41	
		For >40, Deduct	-1.24	
		For Galvanized, Add	3.65	
		For Aluminum, Add	4.97	
		For 304 Stainless Steel, Add	19.90	
		For 316 Stainless Steel, Add	22.80	
05 59 69 00-0034	SF	0.148" Thick Wire, 1-1/4" Spacing, 1.01 Lb./SF, Woven And Welded Wire Cloth Panels.....	14.13	4.13
		For Up To 2, Add	3.93	
		For >2 To 6, Add	2.24	
		For >15 To 40, Deduct	-0.43	
		For >40, Deduct	-1.29	
		For Galvanized, Add	3.79	
		For Aluminum, Add	5.17	
		For 304 Stainless Steel, Add	20.69	
		For 316 Stainless Steel, Add	23.71	
05 59 69 00-0035	SF	0.162" Thick Wire, 1-1/4" Spacing, 1.2 Lb./SF, Woven And Welded Wire Cloth Panels.....	15.30	4.66
		For Up To 2, Add	4.30	
		For >2 To 6, Add	2.46	
		For >15 To 40, Deduct	-0.45	
		For >40, Deduct	-1.36	
		For Galvanized, Add	4.00	
		For Aluminum, Add	5.45	
		For 304 Stainless Steel, Add	21.79	
		For 316 Stainless Steel, Add	24.97	

05 Metals**05 50 Metal Fabrications****05 59 Metal Specialties**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
05 59 69 00-0036	SF 0.177" Thick Wire, 1-1/4" Spacing, 1.42 Lb./SF, Woven And Welded Wire Cloth Panels.....	17.23		5.25
	For Up To 2, Add	4.84		
	For >2 To 6, Add	2.77		
	For >15 To 40, Deduct	-0.51		
	For >40, Deduct	-1.54		
	For Galvanized, Add	4.51		
	For Aluminum, Add	6.14		
	For 304 Stainless Steel, Add	24.58		
	For 316 Stainless Steel, Add	28.16		
05 59 69 00-0037	SF 0.192" Thick Wire, 1-1/4" Spacing, 1.65 Lb./SF, Woven And Welded Wire Cloth Panels.....	19.62		5.79
	For Up To 2, Add	5.47		
	For >2 To 6, Add	3.12		
	For >15 To 40, Deduct	-0.60		
	For >40, Deduct	-1.79		
	For Galvanized, Add	5.24		
	For Aluminum, Add	7.14		
	For 304 Stainless Steel, Add	28.56		
	For 316 Stainless Steel, Add	32.73		
05 59 69 00-0038	SF 0.207" Thick Wire, 1-1/4" Spacing, 1.9 Lb./SF, Woven And Welded Wire Cloth Panels.....	22.15		6.33
	For Up To 2, Add	6.12		
	For >2 To 6, Add	3.48		
	For >15 To 40, Deduct	-0.69		
	For >40, Deduct	-2.06		
	For Galvanized, Add	6.03		
	For Aluminum, Add	8.23		
	For 304 Stainless Steel, Add	32.90		
	For 316 Stainless Steel, Add	37.70		
05 59 69 00-0039	SF 0.225" Thick Wire, 1-1/4" Spacing, 2.22 Lb./SF, Woven And Welded Wire Cloth Panels.....	25.39		7.03
	For Up To 2, Add	6.95		
	For >2 To 6, Add	3.94		
	For >15 To 40, Deduct	-0.80		
	For >40, Deduct	-2.40		
	For Galvanized, Add	7.05		
	For Aluminum, Add	9.61		
	For 304 Stainless Steel, Add	38.45		
	For 316 Stainless Steel, Add	44.06		
05 59 69 00-0040	1" Square Wire Spacing (05 59 69 00-0002)			
05 59 69 00-0041	SF 0.105" Thick Wire, 1" Spacing, 0.64 Lb./SF, Woven And Welded Wire Cloth Panels.....	13.28		4.35
	For Up To 2, Add	3.81		
	For >2 To 6, Add	2.20		
	For >15 To 40, Deduct	-0.37		
	For >40, Deduct	-1.12		
	For Galvanized, Add	3.30		
	For Aluminum, Add	4.49		
	For 304 Stainless Steel, Add	17.98		
	For 316 Stainless Steel, Add	20.60		
05 59 69 00-0042	SF 0.12" Thick Wire, 1" Spacing, 0.83 Lb./SF, Woven And Welded Wire Cloth Panels.....	14.25		4.52
	For Up To 2, Add	4.06		
	For >2 To 6, Add	2.33		
	For >15 To 40, Deduct	-0.41		
	For >40, Deduct	-1.23		
	For Galvanized, Add	3.62		
	For Aluminum, Add	4.93		
	For 304 Stainless Steel, Add	19.73		
	For 316 Stainless Steel, Add	22.61		
05 59 69 00-0043	SF 0.135" Thick Wire, 1" Spacing, 1.04 Lb./SF, Woven And Welded Wire Cloth Panels.....	14.85		4.73
	For Up To 2, Add	4.23		
	For >2 To 6, Add	2.43		
	For >15 To 40, Deduct	-0.43		
	For >40, Deduct	-1.28		
	For Galvanized, Add	3.76		
	For Aluminum, Add	5.12		
	For 304 Stainless Steel, Add	20.50		
	For 316 Stainless Steel, Add	23.49		
05 59 69 00-0044	SF 0.148" Thick Wire, 1" Spacing, 1.23 Lb./SF, Woven And Welded Wire Cloth Panels.....	15.94		4.79
	For Up To 2, Add	4.47		
	For >2 To 6, Add	2.55		
	For >15 To 40, Deduct	-0.48		
	For >40, Deduct	-1.43		
	For Galvanized, Add	4.20		
	For Aluminum, Add	5.72		
	For 304 Stainless Steel, Add	22.90		
	For 316 Stainless Steel, Add	26.24		
05 59 69 00-0045	SF 0.162" Thick Wire, 1" Spacing, 1.46 Lb./SF, Woven And Welded Wire Cloth Panels.....	17.72		5.40
	For Up To 2, Add	4.98		
	For >2 To 6, Add	2.85		
	For >15 To 40, Deduct	-0.53		
	For >40, Deduct	-1.58		
	For Galvanized, Add	4.63		
	For Aluminum, Add	6.31		
	For 304 Stainless Steel, Add	25.25		
	For 316 Stainless Steel, Add	28.93		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0046	SF	0.177" Thick Wire, 1" Spacing, 1.72 Lb./SF, Woven And Welded Wire Cloth Panels	19.89	6.05
		For Up To 2, Add	5.59	
		For >2 To 6, Add	3.20	
		For >15 To 40, Deduct	-0.59	
		For >40, Deduct	-1.77	
		For Galvanized, Add	5.20	
		For Aluminum, Add	7.09	
		For 304 Stainless Steel, Add	28.37	
		For 316 Stainless Steel, Add	32.51	
05 59 69 00-0047	SF	0.192" Thick Wire, 1" Spacing, 2.01 Lb./SF, Woven And Welded Wire Cloth Panels	22.77	6.71
		For Up To 2, Add	6.35	
		For >2 To 6, Add	3.62	
		For >15 To 40, Deduct	-0.69	
		For >40, Deduct	-2.07	
		For Galvanized, Add	6.08	
		For Aluminum, Add	8.29	
		For 304 Stainless Steel, Add	33.14	
		For 316 Stainless Steel, Add	37.98	
05 59 69 00-0048	SF	0.207" Thick Wire, 1" Spacing, 2.31 Lb./SF, Woven And Welded Wire Cloth Panels	25.64	7.33
		For Up To 2, Add	7.08	
		For >2 To 6, Add	4.03	
		For >15 To 40, Deduct	-0.79	
		For >40, Deduct	-2.38	
		For Galvanized, Add	6.98	
		For Aluminum, Add	9.52	
		For 304 Stainless Steel, Add	38.09	
		For 316 Stainless Steel, Add	43.64	
05 59 69 00-0049	SF	0.225" Thick Wire, 1" Spacing, 2.69 Lb./SF, Woven And Welded Wire Cloth Panels	29.29	8.11
		For Up To 2, Add	8.02	
		For >2 To 6, Add	4.55	
		For >15 To 40, Deduct	-0.92	
		For >40, Deduct	-2.77	
		For Galvanized, Add	8.13	
		For Aluminum, Add	11.09	
		For 304 Stainless Steel, Add	44.35	
		For 316 Stainless Steel, Add	50.82	
05 59 69 00-0050		3/4" Square Wire Spacing (05 59 69 00-0002)		
05 59 69 00-0051	SF	0.105" Thick Wire, 3/4" Spacing, 0.83 Lb./SF, Woven And Welded Wire Cloth Panels	13.45	4.34
		For Up To 2, Add	3.85	
		For >2 To 6, Add	2.21	
		For >15 To 40, Deduct	-0.38	
		For >40, Deduct	-1.15	
		For Galvanized, Add	3.37	
		For Aluminum, Add	4.60	
		For 304 Stainless Steel, Add	18.41	
		For 316 Stainless Steel, Add	21.09	
05 59 69 00-0052	SF	0.12" Thick Wire, 3/4" Spacing, 1.07 Lb./SF, Woven And Welded Wire Cloth Panels	15.02	4.87
		For Up To 2, Add	4.30	
		For >2 To 6, Add	2.47	
		For >15 To 40, Deduct	-0.43	
		For >40, Deduct	-1.28	
		For Galvanized, Add	3.76	
		For Aluminum, Add	5.12	
		For 304 Stainless Steel, Add	20.50	
		For 316 Stainless Steel, Add	23.49	
05 59 69 00-0053	SF	0.135" Thick Wire, 3/4" Spacing, 1.33 Lb./SF, Woven And Welded Wire Cloth Panels	16.61	5.50
		For Up To 2, Add	4.79	
		For >2 To 6, Add	2.76	
		For >15 To 40, Deduct	-0.46	
		For >40, Deduct	-1.39	
		For Galvanized, Add	4.09	
		For Aluminum, Add	5.57	
		For 304 Stainless Steel, Add	22.30	
		For 316 Stainless Steel, Add	25.55	
05 59 69 00-0054	SF	0.148" Thick Wire, 3/4" Spacing, 1.58 Lb./SF, Woven And Welded Wire Cloth Panels	17.98	5.86
		For Up To 2, Add	5.16	
		For >2 To 6, Add	2.97	
		For >15 To 40, Deduct	-0.51	
		For >40, Deduct	-1.52	
		For Galvanized, Add	4.47	
		For Aluminum, Add	6.10	
		For 304 Stainless Steel, Add	24.38	
		For 316 Stainless Steel, Add	27.94	
05 59 69 00-0055	SF	0.162" Thick Wire, 3/4" Spacing, 1.87 Lb./SF, Woven And Welded Wire Cloth Panels	20.81	6.59
		For Up To 2, Add	5.92	
		For >2 To 6, Add	3.40	
		For >15 To 40, Deduct	-0.60	
		For >40, Deduct	-1.80	
		For Galvanized, Add	5.29	
		For Aluminum, Add	7.21	
		For 304 Stainless Steel, Add	28.85	
		For 316 Stainless Steel, Add	33.06	

05 Metals**05 50 Metal Fabrications****05 59 Metal Specialties**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
05 59 69 00-0056	SF 0.177" Thick Wire, 3/4" Spacing, 2.2 Lb./SF, Woven And Welded Wire Cloth Panels.....	23.96		7.37
	For Up To 2, Add	6.76		
	For >2 To 6, Add	3.87		
	For >15 To 40, Deduct	-0.71		
	For >40, Deduct	-2.12		
	For Galvanized, Add	6.22		
	For Aluminum, Add	8.48		
	For 304 Stainless Steel, Add	33.94		
	For 316 Stainless Steel, Add	38.89		
05 59 69 00-0057	SF 0.192" Thick Wire, 3/4" Spacing, 2.56 Lb./SF, Woven And Welded Wire Cloth Panels.....	27.32		8.14
	For Up To 2, Add	7.64		
	For >2 To 6, Add	4.36		
	For >15 To 40, Deduct	-0.82		
	For >40, Deduct	-2.47		
	For Galvanized, Add	7.24		
	For Aluminum, Add	9.87		
	For 304 Stainless Steel, Add	39.48		
	For 316 Stainless Steel, Add	45.24		
05 59 69 00-0058	SF 0.207" Thick Wire, 3/4" Spacing, 2.93 Lb./SF, Woven And Welded Wire Cloth Panels.....	30.64		8.86
	For Up To 2, Add	8.49		
	For >2 To 6, Add	4.84		
	For >15 To 40, Deduct	-0.94		
	For >40, Deduct	-2.82		
	For Galvanized, Add	8.29		
	For Aluminum, Add	11.30		
	For 304 Stainless Steel, Add	45.19		
	For 316 Stainless Steel, Add	51.78		
05 59 69 00-0059	SF 0.225" Thick Wire, 3/4" Spacing, 3.41 Lb./SF, Woven And Welded Wire Cloth Panels.....	34.98		9.79
	For Up To 2, Add	9.61		
	For >2 To 6, Add	5.46		
	For >15 To 40, Deduct	-1.10		
	For >40, Deduct	-3.29		
	For Galvanized, Add	9.64		
	For Aluminum, Add	13.15		
	For 304 Stainless Steel, Add	52.61		
	For 316 Stainless Steel, Add	60.28		
05 59 69 00-0060	1/2" Square Wire Spacing (05 59 69 00-0002)			
05 59 69 00-0061	SF 0.105" Thick Wire, 1/2" Spacing, 1.18 Lb./SF, Woven And Welded Wire Cloth Panels.....	14.04		4.64
	For Up To 2, Add	4.05		
	For >2 To 6, Add	2.33		
	For >15 To 40, Deduct	-0.39		
	For >40, Deduct	-1.18		
	For Galvanized, Add	3.45		
	For Aluminum, Add	4.71		
	For 304 Stainless Steel, Add	18.84		
	For 316 Stainless Steel, Add	21.59		
05 59 69 00-0062	SF 0.12" Thick Wire, 1/2" Spacing, 1.51 Lb./SF, Woven And Welded Wire Cloth Panels.....	16.41		5.64
	For Up To 2, Add	4.79		
	For >2 To 6, Add	2.77		
	For >15 To 40, Deduct	-0.44		
	For >40, Deduct	-1.33		
	For Galvanized, Add	3.90		
	For Aluminum, Add	5.32		
	For 304 Stainless Steel, Add	21.29		
	For 316 Stainless Steel, Add	24.39		
05 59 69 00-0063	SF 0.135" Thick Wire, 1/2" Spacing, 1.88 Lb./SF, Woven And Welded Wire Cloth Panels.....	19.84		6.68
	For Up To 2, Add	5.75		
	For >2 To 6, Add	3.32		
	For >15 To 40, Deduct	-0.55		
	For >40, Deduct	-1.64		
	For Galvanized, Add	4.81		
	For Aluminum, Add	6.56		
	For 304 Stainless Steel, Add	26.26		
	For 316 Stainless Steel, Add	30.09		
05 59 69 00-0064	SF 0.148" Thick Wire, 1/2" Spacing, 2.22 Lb./SF, Woven And Welded Wire Cloth Panels.....	22.91		7.49
	For Up To 2, Add	6.58		
	For >2 To 6, Add	3.79		
	For >15 To 40, Deduct	-0.65		
	For >40, Deduct	-1.94		
	For Galvanized, Add	5.68		
	For Aluminum, Add	7.75		
	For 304 Stainless Steel, Add	31.01		
	For 316 Stainless Steel, Add	35.53		
05 59 69 00-0065	SF 0.162" Thick Wire, 1/2" Spacing, 2.61 Lb./SF, Woven And Welded Wire Cloth Panels.....	26.34		8.36
	For Up To 2, Add	7.50		
	For >2 To 6, Add	4.31		
	For >15 To 40, Deduct	-0.76		
	For >40, Deduct	-2.28		
	For Galvanized, Add	6.68		
	For Aluminum, Add	9.11		
	For 304 Stainless Steel, Add	36.46		
	For 316 Stainless Steel, Add	41.77		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0066	SF	0.177" Thick Wire, 1/2" Spacing, 3.06 Lb./SF, Woven And Welded Wire Cloth Panels.....	30.23	9.31
		For Up To 2, Add	8.53	
		For >2 To 6, Add	4.89	
		For >15 To 40, Deduct	-0.89	
		For >40, Deduct	-2.67	
		For Galvanized, Add	7.83	
		For Aluminum, Add	10.68	
		For 304 Stainless Steel, Add	42.72	
		For 316 Stainless Steel, Add	48.95	
05 59 69 00-0067	SF	0.192" Thick Wire, 1/2" Spacing, 3.54 Lb./SF, Woven And Welded Wire Cloth Panels.....	34.25	10.25
		For Up To 2, Add	9.58	
		For >2 To 6, Add	5.47	
		For >15 To 40, Deduct	-1.03	
		For >40, Deduct	-3.09	
		For Galvanized, Add	9.06	
		For Aluminum, Add	12.36	
		For 304 Stainless Steel, Add	49.44	
		For 316 Stainless Steel, Add	56.65	
05 59 69 00-0068	SF	0.207" Thick Wire, 1/2" Spacing, 4.04 Lb./SF, Woven And Welded Wire Cloth Panels.....	38.30	11.10
		For Up To 2, Add	10.62	
		For >2 To 6, Add	6.05	
		For >15 To 40, Deduct	-1.18	
		For >40, Deduct	-3.53	
		For Galvanized, Add	10.34	
		For Aluminum, Add	14.10	
		For 304 Stainless Steel, Add	56.40	
		For 316 Stainless Steel, Add	64.63	
05 59 69 00-0069	SF	0.225" Thick Wire, 1/2" Spacing, 4.68 Lb./SF, Woven And Welded Wire Cloth Panels.....	39.79	12.22
		For Up To 2, Add	11.22	
		For >2 To 6, Add	6.42	
		For >15 To 40, Deduct	-1.18	
		For >40, Deduct	-3.53	
		For Galvanized, Add	10.34	
		For Aluminum, Add	14.10	
		For 304 Stainless Steel, Add	56.40	
		For 316 Stainless Steel, Add	64.63	
05 59 69 00-0070		Expanded Metal Panels (05 59 69) Note: Excludes frame and fastening to frame. See CSI section 05 05 21 00-0004 for spot welding.		
05 59 69 00-0071		Plain Flattened Expanded Metal Diamond Shape Panels (05 59 69 00-0070) Note: Excludes frame and fastening to frame. See CSI section 05 05 21 00-0004 for spot welding.		
05 59 69 00-0072	SF	1/4" #20-F Plain Expanded Metal Panel, 0.82 Lb./SF.....	10.49	4.00
		For Galvanized, Add	2.27	
		For Aluminum, Add	3.09	
		For 304 Stainless Steel, Add	12.36	
		For 316 Stainless Steel, Add	14.16	
05 59 69 00-0073	SF	1/4" #18-F Plain Expanded Metal Panel, 1.08 Lb./SF.....	13.13	4.38
		For Galvanized, Add	3.21	
		For Aluminum, Add	4.37	
		For 304 Stainless Steel, Add	17.50	
		For 316 Stainless Steel, Add	20.05	
05 59 69 00-0074	SF	1/2" #20-F Plain Expanded Metal Panel, 0.40 Lb./SF.....	7.58	3.09
		For Galvanized, Add	1.52	
		For Aluminum, Add	2.08	
		For 304 Stainless Steel, Add	8.30	
		For 316 Stainless Steel, Add	9.52	
05 59 69 00-0075	SF	1/2" #18-F Plain Expanded Metal Panel, 0.66 Lb./SF.....	8.28	3.37
		For Galvanized, Add	1.67	
		For Aluminum, Add	2.27	
		For 304 Stainless Steel, Add	9.10	
		For 316 Stainless Steel, Add	10.42	
05 59 69 00-0076	SF	1/2" #16-F Plain Expanded Metal Panel, 0.82 Lb./SF.....	9.39	4.00
		For Galvanized, Add	1.78	
		For Aluminum, Add	2.43	
		For 304 Stainless Steel, Add	9.72	
		For 316 Stainless Steel, Add	11.14	
05 59 69 00-0077	SF	1/2" #13-F Plain Expanded Metal Panel, 1.4 Lb./SF.....	12.01	5.16
		For Galvanized, Add	2.26	
		For Aluminum, Add	3.08	
		For 304 Stainless Steel, Add	12.34	
		For 316 Stainless Steel, Add	14.14	
05 59 69 00-0078	SF	3/4" #16-F Plain Expanded Metal Panel, 0.51 Lb./SF.....	6.64	3.04
		For Galvanized, Add	1.14	
		For Aluminum, Add	1.55	
		For 304 Stainless Steel, Add	6.19	
		For 316 Stainless Steel, Add	7.10	
05 59 69 00-0079	SF	3/4" #14-F Plain Expanded Metal Panel, 0.63 Lb./SF.....	7.43	3.25
		For Galvanized, Add	1.36	
		For Aluminum, Add	1.85	
		For 304 Stainless Steel, Add	7.39	
		For 316 Stainless Steel, Add	8.47	
05 59 69 00-0080	SF	3/4" #13-F Plain Expanded Metal Panel, 0.75 Lb./SF.....	8.48	3.65
		For Galvanized, Add	1.58	
		For Aluminum, Add	2.16	
		For 304 Stainless Steel, Add	8.64	
		For 316 Stainless Steel, Add	9.90	

05 Metals**05 50 Metal Fabrications****05 59 Metal Specialties**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 59 69 00-0081	SF	3/4" #9-F Plain Expanded Metal Panel, 1.50 Lb./SF.....	13.39	6.05
		For Galvanized, Add	2.34	
		For Aluminum, Add	3.19	
		For 304 Stainless Steel, Add	12.77	
		For 316 Stainless Steel, Add	14.63	
05 59 69 00-0082	SF	1" #16-F Plain Expanded Metal Panel, 0.41 Lb./SF.....	7.46	3.71
		For Galvanized, Add	1.10	
		For Aluminum, Add	1.50	
		For 304 Stainless Steel, Add	6.00	
		For 316 Stainless Steel, Add	6.88	
05 59 69 00-0083	SF	1-1/2" #16-F Plain Expanded Metal Panel, 0.38 Lb./SF.....	6.41	2.92
		For Galvanized, Add	1.11	
		For Aluminum, Add	1.51	
		For 304 Stainless Steel, Add	6.05	
		For 316 Stainless Steel, Add	6.93	
05 59 69 00-0084	SF	1-1/2" #13-F Plain Expanded Metal Panel, 0.57 Lb./SF.....	7.40	3.44
		For Galvanized, Add	1.25	
		For Aluminum, Add	1.70	
		For 304 Stainless Steel, Add	6.79	
		For 316 Stainless Steel, Add	7.78	
05 59 69 00-0085	SF	1-1/2" #9-F Plain Expanded Metal Panel, 1.14 Lb./SF.....	11.41	4.64
		For Galvanized, Add	2.30	
		For Aluminum, Add	3.13	
		For 304 Stainless Steel, Add	12.53	
		For 316 Stainless Steel, Add	14.36	

05 70 Decorative Metal (05)

Note: Includes anchors and related accessories.

05 71 Decorative Metal Stairs (05 70)**05 71 13 Fabricated Metal Spiral Stairs** (05 71)

Note: Includes factory prime.

05 71 13 00-0001 Spiral Stairs, Stock Units (05 71 13)

Note: Includes factory prime.

05 71 13 00-0002 Steel Tread (05 71 13 00-0001)

05 71 13 00-0003	VLF	3'-6" Diameter, Spiral Steel Stair With Rails	515.97	52.93
		For Galvanized, Add	287.08	
05 71 13 00-0004	VLF	4' Diameter, Spiral Steel Stair With Rails.....	588.55	58.22
		For Galvanized, Add	330.48	
05 71 13 00-0005	VLF	4'-6" Diameter, Spiral Steel Stair With Rails	651.59	63.51
		For Galvanized, Add	367.20	
05 71 13 00-0006	VLF	5' Diameter, Spiral Steel Stair With Rails.....	697.94	68.80
		For Galvanized, Add	392.23	

05 73 Decorative Metal Railings (05 70)

Note: Factory primed. Includes brackets.

05 73 23 Decorative Metal Railings (05 73)**05 73 23 00-0001 Railings; Vertical Square Bars At 6"** (05 73 23)

Note: Centers with shaped top rails (round, square, rectangular, diamond, triangular or other shape).

05 73 23 00-0002	LF	Steel Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High	73.41	11.64
		For Rake Or Angle Railings, Add	10.19	
		For Curved Railings, Add	19.49	
		For 4" On Center Standards, Add	1.99	
		For 4-1/2" On Center Standards, Add	1.59	
		For 5" On Center Standards, Add	1.06	
		For 5-1/2" On Center Standards, Add	0.53	
		For Each Field Bending Of Rails, Add	14.23	
		For Galvanized, Add	3.71	
05 73 23 00-0003	LF	Aluminum Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High.....	180.33	15.88
		For Rake Or Angle Railings, Add	19.26	
		For Curved Railings, Add	64.11	
		For 4" On Center Standards, Add	8.69	
		For 4-1/2" On Center Standards, Add	6.95	
		For 5" On Center Standards, Add	4.63	
		For 5-1/2" On Center Standards, Add	2.32	
		For Each Field Bending Of Rails, Add	18.63	
05 73 23 00-0004	LF	Bronze Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High	207.50	26.46
		For Rake Or Angle Railings, Add	24.31	
		For Curved Railings, Add	67.72	
		For 4" On Center Standards, Add	8.58	
		For 4-1/2" On Center Standards, Add	6.86	
		For 5" On Center Standards, Add	4.57	
		For 5-1/2" On Center Standards, Add	2.29	
		For Each Field Bending Of Rails, Add	25.79	
05 73 23 00-0005	LF	Stainless Steel Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High.....	292.04	21.17
		For Rake Or Angle Railings, Add	29.08	
		For Curved Railings, Add	109.75	
		For 4" On Center Standards, Add	15.46	
		For 4-1/2" On Center Standards, Add	12.36	
		For 5" On Center Standards, Add	8.24	
		For 5-1/2" On Center Standards, Add	4.12	
		For Each Field Bending Of Rails, Add	23.99	

Cal Poly Humboldt.		Metals 05		05
		Decorative Metal 05 70		
		Decorative Metal Railings 05 73		
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
		UNIT COST	UNIT COST	
05 73 23 00-0006	LF Black Wrought Iron Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High.....	362.46		32.29
	For Rake Or Angle Railings, Add	31.28		
	For Curved Railings, Add	149.69		
	For 4" On Center Standards, Add	22.34		
	For 4-1/2" On Center Standards, Add	17.87		
	For 5" On Center Standards, Add	11.92		
	For 5-1/2" On Center Standards, Add	5.96		
	For Each Field Bending Of Rails, Add	18.64		
05 73 23 00-0007	Laminated Metal Or Wood Handrails With Metal Supports (05 73 23)			
05 73 23 00-0008	LF 2-1/2" Laminated Metal Or Wood Handrail Round/Oval Shape With Metal Supports.....	177.06		5.29
	For Rake Or Angle Railings, Add	13.83		
	For Curved Railings, Add	77.20		
	For 4" On Center Standards, Add	11.87		
	For 4-1/2" On Center Standards, Add	9.49		
	For 5" On Center Standards, Add	6.33		
	For 5-1/2" On Center Standards, Add	3.16		
	For Each Field Bending Of Rails, Add	7.21		
	For Exterior Post-Installed Anchors, Add	10.57		
05 73 23 00-0009	Plain Handrails (05 73 23)			
05 73 23 00-0010	LF 2" Brass Handrail.....	58.46		11.62
05 73 23 00-0011	EA 90 Degree Angle For 2" Brass Handrail.....	118.93		42.13
05 73 23 00-0012	EA End Cap For 2" Brass Handrail.....	53.43		21.12
05 73 23 00-0013	EA Brass Bracket And Joint For 2" Brass Handrail	89.59		42.13
05 73 23 00-0014	LF 2" Stainless Steel Handrail	71.27		14.52
05 73 23 00-0015	Restoration Of Existing Metal Handrail And Railing (05 73 23)			
	Note: Task includes rust removal by grinding, cleaning, surface prep and one coat of protective primer. See CSI section 09 91 13 00-0369 for painting.			
05 73 23 00-0016	LF Refinish Metal Handrail.....	10.78		
05 73 23 00-0017	LF Refinish Wrought Iron Balustrade	10.74		
05 73 23 00-0018	Remove And Reinstall Ornamental Railing (05 73 23)			
05 73 23 00-0019	LF Removal And Reinstallation Of Ornamental Handrail And Pickets	97.38		
05 75 Decorative Formed Metal (05 70)				
05 75 00 00-0001	Metal Sheets, Installed On Walls (05 75)			
	Note: Includes field fabrication (bending) where noted.			
05 75 00 00-0002	Copper Sheets, Installed On Walls (05 75 00 00-0001)			
	Note: Includes field fabrication.			
05 75 00 00-0003	SF 0.0162" (12 Ounce) Thick Copper Sheet, Installed On Walls	25.79		2.51
	For >16 To 200, Deduct	-1.48		
	For >200 To 500, Deduct	-2.96		
	For >500, Deduct	-4.25		
05 75 00 00-0004	SF 0.0215" (16 Ounce) Thick Copper Sheet, Installed On Walls	32.04		2.80
	For >16 To 200, Deduct	-1.81		
	For >200 To 500, Deduct	-3.62		
	For >500, Deduct	-5.23		
05 75 00 00-0005	SF 0.0242" (18 Ounce) Thick Copper Sheet, Installed On Walls	35.05		3.01
	For >16 To 200, Deduct	-1.98		
	For >200 To 500, Deduct	-3.96		
	For >500, Deduct	-5.71		
05 75 00 00-0006	SF 0.027" (20 Ounce) Thick Copper Sheet, Installed On Walls	37.81		3.17
	For >16 To 200, Deduct	-2.13		
	For >200 To 500, Deduct	-4.26		
	For >500, Deduct	-6.15		
05 75 00 00-0007	SF 0.0323" (24 Ounce) Thick Copper Sheet, Installed On Walls	42.99		3.32
	For >16 To 200, Deduct	-2.40		
	For >200 To 500, Deduct	-4.80		
	For >500, Deduct	-6.95		
05 75 00 00-0008	SF 0.0431" (32 Ounce) Thick Copper Sheet, Installed On Walls	54.10		3.47
	For >16 To 200, Deduct	-2.97		
	For >200 To 500, Deduct	-5.93		
	For >500, Deduct	-8.64		
05 75 00 00-0009	SF 0.052" (40 Ounce) Thick Copper Sheet, Installed On Walls	63.20		3.62
	For >16 To 200, Deduct	-3.43		
	For >200 To 500, Deduct	-6.86		
	For >500, Deduct	-10.02		
05 75 00 00-0010	SF 0.0646" (48 Ounce) Thick Copper Sheet, Installed On Walls	76.30		3.92
	For >16 To 200, Deduct	-4.11		
	For >200 To 500, Deduct	-8.22		
	For >500, Deduct	-12.03		
05 75 00 00-0011	SF 0.08" Thick Copper Sheet, Installed On Walls	93.45		4.22
	For >16 To 200, Deduct	-4.99		
	For >200 To 500, Deduct	-9.98		
	For >500, Deduct	-14.65		
05 75 00 00-0012	SF 0.125" Thick Copper Sheet, Installed On Walls	136.44		4.53
	For >16 To 200, Deduct	-7.16		
	For >200 To 500, Deduct	-14.32		
	For >500, Deduct	-21.15		

05 Metals**05 70 Decorative Metal****05 75 Decorative Formed Metal**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
05 75 00 00-0013 Stainless Steel Sheets, Installed On Walls (05 75 00 00-0001)

Note: Includes field fabrication.

05 75 00 00-0014	SF	0.026" Thick (24 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	12.81	2.36
		For >16 To 200, Deduct	-0.82	
		For >200 To 500, Deduct	-1.64	
		For >500, Deduct	-2.28	
05 75 00 00-0015	SF	0.0312" Thick (22 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	14.41	2.55
		For >16 To 200, Deduct	-0.91	
		For >200 To 500, Deduct	-1.82	
		For >500, Deduct	-2.54	
05 75 00 00-0016	SF	0.0375" Thick (20 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	15.61	2.68
		For >16 To 200, Deduct	-0.98	
		For >200 To 500, Deduct	-1.96	
		For >500, Deduct	-2.74	
05 75 00 00-0017	SF	0.050" Thick (18 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	18.02	2.80
		For >16 To 200, Deduct	-1.11	
		For >200 To 500, Deduct	-2.22	
		For >500, Deduct	-3.12	
05 75 00 00-0018	SF	0.0625" Thick (16 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	20.38	2.93
		For >16 To 200, Deduct	-1.24	
		For >200 To 500, Deduct	-2.48	
		For >500, Deduct	-3.50	
05 75 00 00-0019	SF	0.078" Thick (14 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	23.33	3.06
		For >16 To 200, Deduct	-1.40	
		For >200 To 500, Deduct	-2.79	
		For >500, Deduct	-3.96	
05 75 00 00-0020	SF	0.125" Thick (11 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	32.94	3.57
		For >16 To 200, Deduct	-1.91	
		For >200 To 500, Deduct	-3.83	
		For >500, Deduct	-5.48	
05 75 00 00-0021	SF	3/16" Thick (7 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	43.76	3.78
		For >16 To 200, Deduct	-2.47	
		For >200 To 500, Deduct	-4.94	
		For >500, Deduct	-7.13	
05 75 00 00-0022	SF	1/4" Thick (3 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	59.47	4.59
		For >16 To 200, Deduct	-3.32	
		For >200 To 500, Deduct	-6.64	
		For >500, Deduct	-9.61	
05 75 00 00-0023	SF	3/8" Thick 304 Brushed Stainless Steel Sheet, Installed On Walls	97.34	4.92
		For >16 To 200, Deduct	-5.24	
		For >200 To 500, Deduct	-10.47	
		For >500, Deduct	-15.34	
05 75 00 00-0024	SF	1/2" Thick 304 Brushed Stainless Steel Sheet, Installed On Walls	124.13	5.73
		For >16 To 200, Deduct	-6.64	
		For >200 To 500, Deduct	-13.27	
		For >500, Deduct	-19.48	

05 75 00 00-0025 Aluminum Sheets, Installed On Walls (05 75 00 00-0001)

Note: Includes field fabrication.

05 75 00 00-0026	SF	0.016" Thick (26 Gauge) Aluminum Sheet, Installed On Walls	11.86	2.51
		For >16 To 200, Deduct	-0.78	
		For >200 To 500, Deduct	-1.56	
		For >500, Deduct	-2.16	
05 75 00 00-0027	SF	0.020" Thick (24 Gauge) Aluminum Sheet, Installed On Walls	13.46	2.80
		For >16 To 200, Deduct	-0.88	
		For >200 To 500, Deduct	-1.77	
		For >500, Deduct	-2.44	
05 75 00 00-0028	SF	0.025" Thick (22 Gauge) Aluminum Sheet, Installed On Walls	15.02	3.01
		For >16 To 200, Deduct	-0.98	
		For >200 To 500, Deduct	-1.95	
		For >500, Deduct	-2.71	
05 75 00 00-0029	SF	0.032" Thick (20 Gauge) Aluminum Sheet, Installed On Walls	16.65	3.17
		For >16 To 200, Deduct	-1.07	
		For >200 To 500, Deduct	-2.14	
		For >500, Deduct	-2.97	
05 75 00 00-0030	SF	0.040" Thick (18 Gauge) Aluminum Sheet, Installed On Walls	18.28	3.32
		For >16 To 200, Deduct	-1.16	
		For >200 To 500, Deduct	-2.33	
		For >500, Deduct	-3.24	
05 75 00 00-0031	SF	0.050" Thick (16 Gauge) Aluminum Sheet, Installed On Walls	20.04	3.47
		For >16 To 200, Deduct	-1.26	
		For >200 To 500, Deduct	-2.52	
		For >500, Deduct	-3.53	
05 75 00 00-0032	SF	0.064" Thick (14 Gauge) Aluminum Sheet, Installed On Walls	22.23	3.62
		For >16 To 200, Deduct	-1.38	
		For >200 To 500, Deduct	-2.77	
		For >500, Deduct	-3.88	
05 75 00 00-0033	SF	0.090" Thick (11 Gauge) Aluminum Sheet, Installed On Walls	26.44	4.22
		For >16 To 200, Deduct	-1.64	
		For >200 To 500, Deduct	-3.28	
		For >500, Deduct	-4.60	

05 75 00 00-0034 Galvanized Steel Sheets, Installed On Walls (05 75 00 00-0001)

Note: Includes field fabrication.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 75 00 00-0035	SF	0.0217"	(26 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	10.28	2.51
			For >16 To 200, Deduct	-0.70	
			For >200 To 500, Deduct	-1.41	
			For >500, Deduct	-1.92	
05 75 00 00-0036	SF	0.0276"	(24 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	11.40	2.80
			For >16 To 200, Deduct	-0.78	
			For >200 To 500, Deduct	-1.56	
			For >500, Deduct	-2.13	
05 75 00 00-0037	SF	0.0336"	(22 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	12.14	3.01
			For >16 To 200, Deduct	-0.83	
			For >200 To 500, Deduct	-1.67	
			For >500, Deduct	-2.27	
05 75 00 00-0038	SF	0.0396"	(20 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	12.88	3.17
			For >16 To 200, Deduct	-0.88	
			For >200 To 500, Deduct	-1.76	
			For >500, Deduct	-2.41	
05 75 00 00-0039	SF	0.0516"	(18 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	13.84	3.32
			For >16 To 200, Deduct	-0.94	
			For >200 To 500, Deduct	-1.88	
			For >500, Deduct	-2.57	
05 75 00 00-0040	SF	0.0635"	(16 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	14.84	3.47
			For >16 To 200, Deduct	-1.00	
			For >200 To 500, Deduct	-2.00	
			For >500, Deduct	-2.75	
05 75 00 00-0041	SF	0.0785"	(14 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	16.43	3.62
			For >16 To 200, Deduct	-1.09	
			For >200 To 500, Deduct	-2.19	
			For >500, Deduct	-3.01	
05 75 00 00-0042	SF	0.1084"	(12 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	18.75	3.92
			For >16 To 200, Deduct	-1.23	
			For >200 To 500, Deduct	-2.46	
			For >500, Deduct	-3.40	
05 75 00 00-0043	SF	0.1382"	(10 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	21.62	4.53
			For >16 To 200, Deduct	-1.42	
			For >200 To 500, Deduct	-2.84	
			For >500, Deduct	-3.92	
05 75 00 00-0044	Galvanized Zinc-Plated Steel Sheets, Installed On Walls (05 75 00 00-0001)				
	Note: Includes field fabrication.				
05 75 00 00-0045	SF	0.013"	Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls.....	13.99	2.38
			For >16 To 200, Deduct	-0.94	
			For >200 To 500, Deduct	-1.87	
			For >500, Deduct	-2.57	
05 75 00 00-0046	SF	0.016"	Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls.....	16.17	2.69
			For >16 To 200, Deduct	-1.08	
			For >200 To 500, Deduct	-2.16	
			For >500, Deduct	-2.96	
05 75 00 00-0047	SF	0.019"	Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls.....	18.32	2.99
			For >16 To 200, Deduct	-1.22	
			For >200 To 500, Deduct	-2.43	
			For >500, Deduct	-3.35	
05 75 00 00-0048	SF	0.024"	Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls.....	20.24	3.23
			For >16 To 200, Deduct	-1.34	
			For >200 To 500, Deduct	-2.67	
			For >500, Deduct	-3.68	

END OF SECTION 05

05	05	Metals
	05 70	Decorative Metal
	05 75	Decorative Formed Metal



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST

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06 Wood, Plastics, and Composites

06 01 Maintenance of Wood, Plastics, and Composites (06)

06 01 20 Maintenance of Finish Carpentry (06 01)

06 01 20 91 Finish Carpentry Restoration (06 01 20)

06 01 20 91-0001 Wood Trim Repair (06 01 20 91)

06 01 20 91-0002	SF	Restoration Of Existing Decorative Woodwork	9.71	
Note: Includes stripping to bare wood, filling or patching, stain or paint to match existing.				

06 01 40 Maintenance of Architectural Woodwork (06 01)

06 01 40 51 Architectural Woodwork Cleaning (06 01 40)

See CSI section 09 01 90 52-0035 for cleaning of wood surfaces.

06 01 40 91 Architectural Woodwork Restoration (06 01 40)

06 01 40 91-0001 Cabinet Hardware Replacement (06 01 40 91)

06 01 40 91-0002	EA	Removal And Replacement Of Concealed, Full Or Half Overlay, Self Closing, Steel Cabinet Hinges	45.08	
06 01 40 91-0003	EA	Removal And Replacement Of Semi-Concealed, Brass Cabinet Hinges	44.60	

06 05 Common Work Results for Wood, Plastics, and Composites (06)

06 05 23 Wood, Plastic, and Composite Fastenings (06 05)

Note: For additional fasteners above normal conditions, for replacing existing fasteners, for relocating existing materials or fixtures, or for different fasteners required due to load limits on standard fasteners.

06 05 23 00-0001 Threaded Anchor Bolts (06 05 23)

Note: Threaded on two ends with two nuts and flat washers.

06 05 23 00-0002	EA	1/2" Diameter x 4" Long, Threaded Anchor Bolt	16.79	
		For >10 To 50, Deduct	-0.46	
		For >50 To 100, Deduct	-1.11	
		For >100 To 250, Deduct	-2.22	
		For >250 To 500, Deduct	-3.78	
		For >500, Deduct	-5.35	
06 05 23 00-0003	EA	1/2" Diameter x 7-1/2" Long, Threaded Anchor Bolt	23.24	
		For >10 To 50, Deduct	-0.49	
		For >50 To 100, Deduct	-1.32	
		For >100 To 250, Deduct	-2.64	
		For >250 To 500, Deduct	-4.46	
		For >500, Deduct	-6.28	
06 05 23 00-0004	EA	3/4" Diameter x 7-1/2" Long, Threaded Anchor Bolt	25.81	
		For >10 To 50, Deduct	-0.49	
		For >50 To 100, Deduct	-1.39	
		For >100 To 250, Deduct	-2.77	
		For >250 To 500, Deduct	-4.65	
		For >500, Deduct	-6.53	
06 05 23 00-0005	EA	3/4" Diameter x 12" Long, Threaded Anchor Bolt	53.49	
		For >10 To 50, Deduct	-0.68	
		For >50 To 100, Deduct	-2.35	
		For >100 To 250, Deduct	-4.70	
		For >250 To 500, Deduct	-7.73	
		For >500, Deduct	-10.75	

06 05 23 00-0006 Framing Anchors (06 05 23)

Note: Including nails.

06 05 23 00-0007	EA	1-7/16" x 2-1/2", 18 Gauge, Galvanized Framing Angle Anchor (Simpson Strong Tie® A34)	8.03	3.85
		For >10 To 50, Deduct	-0.37	
		For >50 To 100, Deduct	-0.75	
		For >100 To 250, Deduct	-1.50	
		For >250 To 500, Deduct	-2.62	
		For >500, Deduct	-3.74	
06 05 23 00-0008	EA	1-7/16" x 4-1/2", 18 Gauge, Galvanized Framing Angle Anchor (Simpson Strong Tie® A35)	8.98	4.23
		For >10 To 50, Deduct	-0.41	
		For >50 To 100, Deduct	-0.84	
		For >100 To 250, Deduct	-1.69	
		For >250 To 500, Deduct	-2.94	
		For >500, Deduct	-4.20	

06 05 23 00-0009 Angle Anchors (06 05 23)

Note: Including nails.

06 05 23 00-0010	EA	2" x 1-1/2" x 1-3/8" Wide, 18 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A21)	8.12	3.85
		For >10 To 50, Deduct	-0.37	
		For >50 To 100, Deduct	-0.75	
		For >100 To 250, Deduct	-1.51	
		For >250 To 500, Deduct	-2.62	
		For >500, Deduct	-3.74	

06 Wood, Plastics, and Composites**06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

06 05 23 00-0011	EA	2" x 1-1/2" x 2-3/4" Wide, 18 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A23)	8.88	4.10
		For >10 To 50, Deduct	-0.39	
		For >50 To 100, Deduct	-0.81	
		For >100 To 250, Deduct	-1.62	
		For >250 To 500, Deduct	-2.82	
		For >500, Deduct	-4.02	
06 05 23 00-0012	EA	3-7/8" x 2" x 2-1/2" Wide, 12 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A24)	14.67	4.23
		For >10 To 50, Deduct	-0.41	
		For >50 To 100, Deduct	-0.99	
		For >100 To 250, Deduct	-1.97	
		For >250 To 500, Deduct	-3.37	
		For >500, Deduct	-4.77	
06 05 23 00-0013	EA	3" x 3" x 1-1/2" Wide, 18 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A33)	13.31	4.23
		For >10 To 50, Deduct	-0.41	
		For >50 To 100, Deduct	-0.95	
		For >100 To 250, Deduct	-1.90	
		For >250 To 500, Deduct	-3.27	
		For >500, Deduct	-4.63	
06 05 23 00-0014	EA	4-9/16" x 4-9/16" x 1-1/2" Wide, 18 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A44)	14.56	4.75
		For >10 To 50, Deduct	-0.45	
		For >50 To 100, Deduct	-1.05	
		For >100 To 250, Deduct	-2.09	
		For >250 To 500, Deduct	-3.59	
		For >500, Deduct	-5.09	
06 05 23 00-0015	EA	5-7/8" x 5-7/8" x 1-1/2" Wide, 18 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A66)	16.44	5.01
		For >10 To 50, Deduct	-0.49	
		For >50 To 100, Deduct	-1.14	
		For >100 To 250, Deduct	-2.29	
		For >250 To 500, Deduct	-3.92	
		For >500, Deduct	-5.55	

06 05 23 00-0016 Reinforcing Angle Wood Construction Connectors (06 05 23)

Note: Including nails.

06 05 23 00-0017	EA	3" x 3-3/4", 16 Gauge, Galvanized Reinforcing Angle Wood Construction Connectors (Simpson Strong Tie® L30)	8.84	3.59
		For >10 To 50, Deduct	-0.37	
		For >50 To 100, Deduct	-0.77	
		For >100 To 250, Deduct	-1.54	
		For >250 To 500, Deduct	-2.68	
		For >500, Deduct	-3.82	
06 05 23 00-0018	EA	5" x 3-3/4", 16 Gauge, Galvanized Reinforcing Angle Wood Construction Connectors (Simpson Strong Tie® L50)	10.76	3.85
		For >10 To 50, Deduct	-0.39	
		For >50 To 100, Deduct	-0.85	
		For >100 To 250, Deduct	-1.70	
		For >250 To 500, Deduct	-2.94	
		For >500, Deduct	-4.18	
06 05 23 00-0019	EA	7" x 3-3/4", 16 Gauge, Galvanized Reinforcing Angle Wood Construction Connectors (Simpson Strong Tie® L70)	12.15	3.98
		For >10 To 50, Deduct	-0.40	
		For >50 To 100, Deduct	-0.91	
		For >100 To 250, Deduct	-1.81	
		For >250 To 500, Deduct	-3.12	
		For >500, Deduct	-4.43	
06 05 23 00-0020	EA	9" x 3-3/4", 16 Gauge, Galvanized Reinforcing Angle Wood Construction Connectors (Simpson Strong Tie® L90)	13.42	4.10
		For >10 To 50, Deduct	-0.42	
		For >50 To 100, Deduct	-0.97	
		For >100 To 250, Deduct	-1.93	
		For >250 To 500, Deduct	-3.32	
		For >500, Deduct	-4.71	
06 05 23 00-0021	EA	3-3/8" x 3-3/4", 18 Gauge, Galvanized Reinforcing Skewable Angle Wood Construction Connectors (Simpson Strong Tie® LS30)	9.57	3.59
		For >10 To 50, Deduct	-0.37	
		For >50 To 100, Deduct	-0.79	
		For >100 To 250, Deduct	-1.58	
		For >250 To 500, Deduct	-2.73	
		For >500, Deduct	-3.89	
06 05 23 00-0022	EA	4-7/8" x 3-3/4", 18 Gauge, Galvanized Reinforcing Skewable Angle Wood Construction Connectors (Simpson Strong Tie® LS50)	10.51	3.85
		For >10 To 50, Deduct	-0.39	
		For >50 To 100, Deduct	-0.85	
		For >100 To 250, Deduct	-1.69	
		For >250 To 500, Deduct	-2.93	
		For >500, Deduct	-4.16	
06 05 23 00-0023	EA	6-3/8" x 3-3/4", 18 Gauge, Galvanized Reinforcing Skewable Angle Wood Construction Connectors (Simpson Strong Tie® LS70)	12.09	3.98
		For >10 To 50, Deduct	-0.40	
		For >50 To 100, Deduct	-0.90	
		For >100 To 250, Deduct	-1.81	
		For >250 To 500, Deduct	-3.12	
		For >500, Deduct	-4.42	
06 05 23 00-0024	EA	7-7/8" x 3-3/4", 18 Gauge, Galvanized Reinforcing Skewable Angle Wood Construction Connectors (Simpson Strong Tie® LS90)	14.20	4.10
		For >10 To 50, Deduct	-0.42	
		For >50 To 100, Deduct	-0.99	
		For >100 To 250, Deduct	-1.97	
		For >250 To 500, Deduct	-3.38	
		For >500, Deduct	-4.79	

06 05 23 00-0025 Hold Down Anchors (06 05 23)

Note: Including nails.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0026	EA		8-5/8" High x 2-1/2" Wide x 2-1/4" Deep, 12 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD3B).....	62.27	
			For >10 To 50, Deduct	-1.99	
			For >50 To 100, Deduct	-4.54	
			For >100 To 250, Deduct	-9.08	
			For >250 To 500, Deduct	-15.61	
			For >500, Deduct	-22.14	
06 05 23 00-0027	EA		9-3/8" High x 2-1/2" Wide x 2-1/2" Deep, 10 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD5B).....	85.28	
			For >10 To 50, Deduct	-2.05	
			For >50 To 100, Deduct	-5.21	
			For >100 To 250, Deduct	-10.42	
			For >250 To 500, Deduct	-17.69	
			For >500, Deduct	-24.96	
06 05 23 00-0028	EA		12-3/8" High x 2-1/2" Wide x 2-1/2" Deep, 10 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD7B).....	104.26	
			For >10 To 50, Deduct	-2.18	
			For >50 To 100, Deduct	-5.88	
			For >100 To 250, Deduct	-11.76	
			For >250 To 500, Deduct	-19.82	
			For >500, Deduct	-27.88	
06 05 23 00-0029	EA		14" High x 2-1/2" Wide x 2-1/2" Deep, 7 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD9B).....	122.69	
			For >10 To 50, Deduct	-2.44	
			For >50 To 100, Deduct	-6.73	
			For >100 To 250, Deduct	-13.45	
			For >250 To 500, Deduct	-22.61	
			For >500, Deduct	-31.78	
06 05 23 00-0030	EA		20-5/16" High x 3-1/2" Wide x 4-1/2" Deep, 3 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD12).....	196.44	
			For >10 To 50, Deduct	-3.08	
			For >50 To 100, Deduct	-9.53	
			For >100 To 250, Deduct	-19.06	
			For >250 To 500, Deduct	-31.68	
			For >500, Deduct	-44.29	
06 05 23 00-0031	EA		24-1/2" High x 3-1/2" Wide x 4-1/2" Deep, 3 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD19).....	262.08	
			For >10 To 50, Deduct	-3.21	
			For >50 To 100, Deduct	-11.36	
			For >100 To 250, Deduct	-22.73	
			For >250 To 500, Deduct	-37.30	
			For >500, Deduct	-51.88	
06 05 23 00-0032	EA		8-11/16" Height x 3" Wide x 3-1/4" Deep, 14 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU2-SDS2.5).....	72.38	
			For >10 To 50, Deduct	-1.99	
			For >50 To 100, Deduct	-4.79	
			For >100 To 250, Deduct	-9.59	
			For >250 To 500, Deduct	-16.37	
			For >500, Deduct	-23.15	
06 05 23 00-0033	EA		10-15/16" Height x 3" Wide x 3-1/4" Deep, 14 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU4-SDS2.5).....	79.70	
			For >10 To 50, Deduct	-2.05	
			For >50 To 100, Deduct	-5.07	
			For >100 To 250, Deduct	-10.15	
			For >250 To 500, Deduct	-17.27	
			For >500, Deduct	-24.40	
06 05 23 00-0034	EA		13-3/16" Height x 3" Wide x 3-1/4" Deep, 14 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU5-SDS2.5).....	88.96	
			For >10 To 50, Deduct	-2.18	
			For >50 To 100, Deduct	-5.50	
			For >100 To 250, Deduct	-10.99	
			For >250 To 500, Deduct	-18.67	
			For >500, Deduct	-26.35	
06 05 23 00-0035	EA		16-5/8" Height x 3" Wide x 3-1/2" Deep, 10 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU8-SDS2.5).....	109.16	
			For >10 To 50, Deduct	-2.44	
			For >50 To 100, Deduct	-6.39	
			For >100 To 250, Deduct	-12.77	
			For >250 To 500, Deduct	-21.60	
			For >500, Deduct	-30.42	
06 05 23 00-0036	EA		22-1/4" Height x 3" Wide x 3-1/2" Deep, 10 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU11-SDS2.5).....	140.42	
			For >10 To 50, Deduct	-3.08	
			For >50 To 100, Deduct	-8.13	
			For >100 To 250, Deduct	-16.26	
			For >250 To 500, Deduct	-27.47	
			For >500, Deduct	-38.69	
06 05 23 00-0037	EA		25-11/16" Height x 3" Wide x 3-1/2" Deep, 7 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU14-SDS2.5).....	156.24	
			For >10 To 50, Deduct	-3.21	
			For >50 To 100, Deduct	-8.72	
			For >100 To 250, Deduct	-17.44	
			For >250 To 500, Deduct	-29.36	
			For >500, Deduct	-41.29	
06 05 23 00-0038			Joist And Beam Hangers (06 05 23)		
			Note: Including nails.		
06 05 23 00-0039	EA		18 Gauge, Galvanized Joist Hanger, For 2" x 4" Joist Also Acceptable For Beam Hangers (Simpson Strong Tie® LU24).....	8.49	3.59
			For >10 To 50, Deduct	-0.37	
			For >50 To 100, Deduct	-0.76	
			For >100 To 250, Deduct	-1.52	
			For >250 To 500, Deduct	-2.65	
			For >500, Deduct	-3.78	

06 Wood, Plastics, and Composites**06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
06 05 23 00-0040	EA 18 Gauge, Galvanized Joist Hanger, For 2" x 6" To 2" x 10" Joist, Also Acceptable For Beam Hangers (Simpson Strong Tie® LU28).....	9.40		3.85	
	For >10 To 50, Deduct	-0.39			
	For >50 To 100, Deduct	-0.82			
	For >100 To 250, Deduct	-1.64			
	For >250 To 500, Deduct	-2.84			
	For >500, Deduct	-4.05			
06 05 23 00-0041	EA 16 Gauge, Galvanized Joist Hanger, For 3" x 6" To 3" x 9" Joist, Also Acceptable For Beam Hangers (Simpson Strong Tie® LUS36)	12.82		3.98	
	For >10 To 50, Deduct	-0.40			
	For >50 To 100, Deduct	-0.92			
	For >100 To 250, Deduct	-1.85			
	For >250 To 500, Deduct	-3.17			
	For >500, Deduct	-4.49			
06 05 23 00-0042	EA 16 Gauge, Galvanized Joist Hanger, For 3" x 10" To 3" x 14" Joist, Also Acceptable For Beam Hangers (Simpson Strong Tie® LUS310)	13.90		4.10	
	For >10 To 50, Deduct	-0.42			
	For >50 To 100, Deduct	-0.98			
	For >100 To 250, Deduct	-1.96			
	For >250 To 500, Deduct	-3.36			
	For >500, Deduct	-4.76			
06 05 23 00-0043	EA 14 Gauge, Galvanized Joist Hanger, For 4" x 6" To 4" x 8" Joist, Also Acceptable For Beam Hangers (Simpson Strong Tie® HUS46).....	20.70		4.36	
	For >10 To 50, Deduct	-0.43			
	For >50 To 100, Deduct	-1.17			
	For >100 To 250, Deduct	-2.33			
	For >250 To 500, Deduct	-3.93			
	For >500, Deduct	-5.53			
06 05 23 00-0044	EA 14 Gauge, Galvanized Joist Hanger, For 4" x 10" To 4" x 14" Joist, Also Acceptable For Beam Hangers (Simpson Strong Tie® HUS412).....	24.48		4.50	
	For >10 To 50, Deduct	-0.44			
	For >50 To 100, Deduct	-1.28			
	For >100 To 250, Deduct	-2.56			
	For >250 To 500, Deduct	-4.28			
	For >500, Deduct	-6.00			
06 05 23 00-0045	Anchor And Ties (06 05 23)				
	Note: Including nails.				
06 05 23 00-0046	EA 12-3/8" Long, 11 Gauge, Galvanized Heavy Tension Tie (Simpson Strong Tie® HTT4).....	36.41			
	Note: Includes nails. Excludes anchor bolt.				
06 05 23 00-0047	EA 16" Long, 11 Gauge, Galvanized Heavy Tension Tie (Simpson Strong Tie® HTT5).....	45.08			
	Note: Includes nails. Excludes anchor bolt.				
06 05 23 00-0048	EA 16 Gauge, Zinc Galvanized Finish Mud sill Anchor (Simpson Strong Tie® MASAZ).....	5.05			
06 05 23 00-0049	EA 16 Gauge, Zinc Galvanized Finish Mud sill Anchor (Simpson Strong Tie® MASBZ).....	5.64			
06 05 23 00-0050	Hurricane Ties (06 05 23)				
06 05 23 00-0051	EA 6" x 1-3/8" Wide, 18 Gauge, Galvanized Finish Hurricane Ties (Simpson Strong Tie® H2.5A).....	9.40		3.98	
	For >10 To 50, Deduct	-0.44			
	For >50 To 100, Deduct	-0.90			
	For >100 To 250, Deduct	-1.80			
	For >250 To 500, Deduct	-3.14			
	For >500, Deduct	-4.48			
06 05 23 00-0052	EA 6" x 1-3/8" Wide, 18 Gauge, Zinc Galvanized Finish Hurricane Ties (Simpson Strong Tie® H2.5AZ).....	3.33			
06 05 23 00-0053	EA 6" x 1-3/8" Wide, 18 Gauge, Stainless Steel Hurricane Ties (Simpson Strong Tie® H2.5ASS)	8.44			
06 05 23 00-0054	EA 10-7/16" x 1-1/2" Wide, 18 Gauge, Galvanized Finish Hurricane Ties (Simpson Strong Tie® H2A)	11.30		3.98	
	For >10 To 50, Deduct	-0.44			
	For >50 To 100, Deduct	-0.95			
	For >100 To 250, Deduct	-1.89			
	For >250 To 500, Deduct	-3.28			
	For >500, Deduct	-4.67			
06 05 23 00-0055	EA 19-3/16" x 2-1/4" Wide, 18 Gauge, Galvanized Finish Hurricane Ties (Simpson Strong Tie® H6).....	17.81			
06 05 23 00-0056	Post Column Bases (06 05 23)				
	Note: Including nails.				
06 05 23 00-0057	EA Adjustable And Standoff 4" x 4" Post Base, With Bolts (Simpson Strong Tie® ABA44).....	34.57			
06 05 23 00-0058	EA Adjustable And Standoff 4" x 6" Post Base, With Bolts (Simpson Strong Tie® ABA46)	51.86			
06 05 23 00-0059	EA Adjustable And Standoff 6" x 6" Post Base, With Bolts (Simpson Strong Tie® ABA66)	53.38			
06 05 23 00-0060	Post Column Caps (06 05 23)				
	Note: Including nails.				
06 05 23 00-0061	EA 4" Beam, 4" Post Flange, 18 Gauge, Galvanized Post Cap (Simpson Strong Tie® BC4)	18.69		4.50	
	For >10 To 50, Deduct	-0.49			
	For >50 To 100, Deduct	-1.21			
	For >100 To 250, Deduct	-2.42			
	For >250 To 500, Deduct	-4.12			
	For >500, Deduct	-5.82			
06 05 23 00-0062	EA 6" Beam, 6" Post Flange, 18 Gauge, Galvanized Post Cap (Simpson Strong Tie® BC6)	39.61		4.50	
	For >10 To 50, Deduct	-0.52			
	For >50 To 100, Deduct	-1.77			
	For >100 To 250, Deduct	-3.54			
	For >250 To 500, Deduct	-5.84			
	For >500, Deduct	-8.13			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0063	EA		3-1/8" Beam, 4" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC3 1/4-4).....	193.87	
			Note: Excludes field welding		
			For >10 To 50, Deduct	-1.28	
			For >50 To 100, Deduct	-6.77	
			For >100 To 250, Deduct	-13.54	
			For >250 To 500, Deduct	-21.60	
			For >500, Deduct	-29.65	
			For Hot Dipped Galvanized, Add	75.69	
06 05 23 00-0064	EA		3-1/8" Beam, 6" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC3 1/4-6).....	203.03	
			For >10 To 50, Deduct	-1.44	
			For >50 To 100, Deduct	-7.24	
			For >100 To 250, Deduct	-14.48	
			For >250 To 500, Deduct	-23.17	
			For >500, Deduct	-31.85	
			For Hot Dipped Galvanized, Add	78.37	
06 05 23 00-0065	EA		4" Beam, 4" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC44).....	126.48	
			Note: Excludes field welding		
			For >10 To 50, Deduct	-1.28	
			For >50 To 100, Deduct	-5.09	
			For >100 To 250, Deduct	-10.17	
			For >250 To 500, Deduct	-16.54	
			For >500, Deduct	-22.91	
			For Hot Dipped Galvanized, Add	45.37	
06 05 23 00-0066	EA		4" Beam, 6" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC46).....	198.93	
			For >10 To 50, Deduct	-1.44	
			For >50 To 100, Deduct	-7.14	
			For >100 To 250, Deduct	-14.28	
			For >250 To 500, Deduct	-22.86	
			For >500, Deduct	-31.44	
			For Hot Dipped Galvanized, Add	76.53	
06 05 23 00-0067	EA		4" Beam, 8" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC48).....	207.78	
			Note: Excludes field welding		
			For >10 To 50, Deduct	-1.44	
			For >50 To 100, Deduct	-7.36	
			For >100 To 250, Deduct	-14.72	
			For >250 To 500, Deduct	-23.52	
			For >500, Deduct	-32.33	
			For Hot Dipped Galvanized, Add	80.51	
06 05 23 00-0068	EA		6" Beam, 4" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC64).....	212.04	
			For >10 To 50, Deduct	-1.38	
			For >50 To 100, Deduct	-7.37	
			For >100 To 250, Deduct	-14.74	
			For >250 To 500, Deduct	-23.49	
			For >500, Deduct	-32.24	
			For Hot Dipped Galvanized, Add	83.00	
06 05 23 00-0069	EA		6" Beam, 6" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC66).....	214.60	
			For >10 To 50, Deduct	-1.51	
			For >50 To 100, Deduct	-7.63	
			For >100 To 250, Deduct	-15.25	
			For >250 To 500, Deduct	-24.39	
			For >500, Deduct	-33.52	
			For Hot Dipped Galvanized, Add	83.00	
06 05 23 00-0070	EA		6" Beam, 8" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC68).....	214.60	
			For >10 To 50, Deduct	-1.51	
			For >50 To 100, Deduct	-7.63	
			For >100 To 250, Deduct	-15.25	
			For >250 To 500, Deduct	-24.39	
			For >500, Deduct	-33.52	
			For Hot Dipped Galvanized, Add	83.00	
06 05 23 00-0071	EA		5-1/8" Beam, 4" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC5 1/4-4).....	246.76	
			For >10 To 50, Deduct	-1.38	
			For >50 To 100, Deduct	-8.24	
			For >100 To 250, Deduct	-16.48	
			For >250 To 500, Deduct	-26.10	
			For >500, Deduct	-35.72	
			For Hot Dipped Galvanized, Add	98.62	
06 05 23 00-0072	EA		5-1/8" Beam, 6" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC5 1/4-6).....	249.32	
			For >10 To 50, Deduct	-1.51	
			For >50 To 100, Deduct	-8.50	
			For >100 To 250, Deduct	-16.99	
			For >250 To 500, Deduct	-26.99	
			For >500, Deduct	-37.00	
			For Hot Dipped Galvanized, Add	98.62	
06 05 23 00-0073	EA		5-1/8" Beam, 8" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC5 1/4-8).....	249.32	
			For >10 To 50, Deduct	-1.51	
			For >50 To 100, Deduct	-8.50	
			For >100 To 250, Deduct	-16.99	
			For >250 To 500, Deduct	-26.99	
			For >500, Deduct	-37.00	
			For Hot Dipped Galvanized, Add	98.62	
06 05 23 00-0074	EA		8" Beam, 4" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC84).....	300.53	
			For >10 To 50, Deduct	-1.38	
			For >50 To 100, Deduct	-9.58	
			For >100 To 250, Deduct	-19.17	
			For >250 To 500, Deduct	-30.13	
			For >500, Deduct	-41.09	
			For Hot Dipped Galvanized, Add	122.82	

06 Wood, Plastics, and Composites**06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
06 05 23 00-0075	EA 8" Beam, 6" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC86).....	303.09		
	For >10 To 50, Deduct	-1.51		
	For >50 To 100, Deduct	-9.84		
	For >100 To 250, Deduct	-19.68		
	For >250 To 500, Deduct	-31.03		
	For >500, Deduct	-42.37		
	For Hot Dipped Galvanized, Add	122.82		
06 05 23 00-0076	EA 8" Beam, 8" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC88).....	303.09		
	For >10 To 50, Deduct	-1.51		
	For >50 To 100, Deduct	-9.84		
	For >100 To 250, Deduct	-19.68		
	For >250 To 500, Deduct	-31.03		
	For >500, Deduct	-42.37		
	For Hot Dipped Galvanized, Add	122.82		
06 05 23 00-0077	EA 3-1/8" Beam, 4" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC3 1/4-4).....	193.87		
	Note: Excludes field welding			
	For >10 To 50, Deduct	-1.28		
	For >50 To 100, Deduct	-6.77		
	For >100 To 250, Deduct	-13.54		
	For >250 To 500, Deduct	-21.60		
	For >500, Deduct	-29.65		
	For Hot Dipped Galvanized, Add	75.69		
06 05 23 00-0078	EA 3-1/8" Beam, 6" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC3 1/4-6).....	203.03		
	For >10 To 50, Deduct	-1.44		
	For >50 To 100, Deduct	-7.24		
	For >100 To 250, Deduct	-14.48		
	For >250 To 500, Deduct	-23.17		
	For >500, Deduct	-31.85		
	For Hot Dipped Galvanized, Add	78.37		
06 05 23 00-0079	EA 4" Beam, 4" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC44).....	126.48		
	Note: Excludes field welding			
	For >10 To 50, Deduct	-1.28		
	For >50 To 100, Deduct	-5.09		
	For >100 To 250, Deduct	-10.17		
	For >250 To 500, Deduct	-16.54		
	For >500, Deduct	-22.91		
	For Hot Dipped Galvanized, Add	45.37		
06 05 23 00-0080	EA 4" Beam, 6" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC46).....	198.93		
	For >10 To 50, Deduct	-1.44		
	For >50 To 100, Deduct	-7.14		
	For >100 To 250, Deduct	-14.28		
	For >250 To 500, Deduct	-22.86		
	For >500, Deduct	-31.44		
	For Hot Dipped Galvanized, Add	76.53		
06 05 23 00-0081	EA 4" Beam, 8" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC48).....	207.78		
	Note: Excludes field welding			
	For >10 To 50, Deduct	-1.44		
	For >50 To 100, Deduct	-7.36		
	For >100 To 250, Deduct	-14.72		
	For >250 To 500, Deduct	-23.52		
	For >500, Deduct	-32.33		
	For Hot Dipped Galvanized, Add	80.51		
06 05 23 00-0082	EA 6" Beam, 4" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC64).....	212.04		
	For >10 To 50, Deduct	-1.38		
	For >50 To 100, Deduct	-7.37		
	For >100 To 250, Deduct	-14.74		
	For >250 To 500, Deduct	-23.49		
	For >500, Deduct	-32.24		
	For Hot Dipped Galvanized, Add	83.00		
06 05 23 00-0083	EA 6" Beam, 6" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC66).....	214.60		
	For >10 To 50, Deduct	-1.51		
	For >50 To 100, Deduct	-7.63		
	For >100 To 250, Deduct	-15.25		
	For >250 To 500, Deduct	-24.39		
	For >500, Deduct	-33.52		
	For Hot Dipped Galvanized, Add	83.00		
06 05 23 00-0084	EA 6" Beam, 8" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC68).....	214.60		
	For >10 To 50, Deduct	-1.51		
	For >50 To 100, Deduct	-7.63		
	For >100 To 250, Deduct	-15.25		
	For >250 To 500, Deduct	-24.39		
	For >500, Deduct	-33.52		
	For Hot Dipped Galvanized, Add	83.00		
06 05 23 00-0085	EA 5-1/8" Beam, 4" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC5 1/4-4).....	246.76		
	For >10 To 50, Deduct	-1.38		
	For >50 To 100, Deduct	-8.24		
	For >100 To 250, Deduct	-16.48		
	For >250 To 500, Deduct	-26.10		
	For >500, Deduct	-35.72		
	For Hot Dipped Galvanized, Add	98.62		
06 05 23 00-0086	EA 5-1/8" Beam, 6" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC5 1/4-6).....	249.32		
	For >10 To 50, Deduct	-1.51		
	For >50 To 100, Deduct	-8.50		
	For >100 To 250, Deduct	-16.99		
	For >250 To 500, Deduct	-26.99		
	For >500, Deduct	-37.00		
	For Hot Dipped Galvanized, Add	98.62		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0087	EA	5-1/8" Beam, 8" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC5 1/4-8).....	249.32	
		For >10 To 50, Deduct	-1.51	
		For >50 To 100, Deduct	-8.50	
		For >100 To 250, Deduct	-16.99	
		For >250 To 500, Deduct	-26.99	
		For >500, Deduct	-37.00	
		For Hot Dipped Galvanized, Add	98.62	
06 05 23 00-0088	EA	8" Beam, 4" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC84).....	300.53	
		For >10 To 50, Deduct	-1.38	
		For >50 To 100, Deduct	-9.58	
		For >100 To 250, Deduct	-19.17	
		For >250 To 500, Deduct	-30.13	
		For >500, Deduct	-41.09	
		For Hot Dipped Galvanized, Add	122.82	
06 05 23 00-0089	EA	8" Beam, 6" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC86).....	303.09	
		For >10 To 50, Deduct	-1.51	
		For >50 To 100, Deduct	-9.84	
		For >100 To 250, Deduct	-19.68	
		For >250 To 500, Deduct	-31.03	
		For >500, Deduct	-42.37	
		For Hot Dipped Galvanized, Add	122.82	
06 05 23 00-0090	EA	8" Beam, 8" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC88).....	303.09	
		For >10 To 50, Deduct	-1.51	
		For >50 To 100, Deduct	-9.84	
		For >100 To 250, Deduct	-19.68	
		For >250 To 500, Deduct	-31.03	
		For >500, Deduct	-42.37	
		For Hot Dipped Galvanized, Add	122.82	
06 05 23 00-0091		Rafter Connectors (06 05 23)		
06 05 23 00-0092	EA	Galvanized Rigid Rafter Connector, For 2" x 6" (Simpson Strong Tie® RR).....	11.01	3.98
		For >10 To 50, Deduct	-0.44	
		For >50 To 100, Deduct	-0.94	
		For >100 To 250, Deduct	-1.88	
		For >250 To 500, Deduct	-3.26	
		For >500, Deduct	-4.64	
06 05 23 00-0093		Bolts And Fasteners (06 05 23)		
06 05 23 00-0094		Carriage Bolts (06 05 23 00-0093)		
		Note: Includes drilling of holes in any material. Includes nut and washer.		
06 05 23 00-0095		Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolts (06 05 23 00-0094)		
06 05 23 00-0096	EA	1/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	17.12	
		For >10 To 50, Deduct	-0.83	
		For >50 To 100, Deduct	-1.68	
		For >100 To 250, Deduct	-3.36	
		For >250 To 500, Deduct	-5.87	
		For >500, Deduct	-8.38	
06 05 23 00-0097	EA	1/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	17.32	
		For >10 To 50, Deduct	-0.83	
		For >50 To 100, Deduct	-1.68	
		For >100 To 250, Deduct	-3.37	
		For >250 To 500, Deduct	-5.89	
		For >500, Deduct	-8.40	
06 05 23 00-0098	EA	1/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	17.44	
		For >10 To 50, Deduct	-0.83	
		For >50 To 100, Deduct	-1.69	
		For >100 To 250, Deduct	-3.37	
		For >250 To 500, Deduct	-5.90	
		For >500, Deduct	-8.42	
06 05 23 00-0099	EA	1/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	20.36	
		For >10 To 50, Deduct	-0.96	
		For >50 To 100, Deduct	-1.95	
		For >100 To 250, Deduct	-3.91	
		For >250 To 500, Deduct	-6.82	
		For >500, Deduct	-9.74	
06 05 23 00-0100	EA	3/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	18.93	
		For >10 To 50, Deduct	-0.90	
		For >50 To 100, Deduct	-1.82	
		For >100 To 250, Deduct	-3.64	
		For >250 To 500, Deduct	-6.36	
		For >500, Deduct	-9.08	
06 05 23 00-0101	EA	3/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	20.53	
		For >10 To 50, Deduct	-0.96	
		For >50 To 100, Deduct	-1.96	
		For >100 To 250, Deduct	-3.91	
		For >250 To 500, Deduct	-6.83	
		For >500, Deduct	-9.75	
06 05 23 00-0102	EA	3/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	20.84	
		For >10 To 50, Deduct	-0.96	
		For >50 To 100, Deduct	-1.96	
		For >100 To 250, Deduct	-3.93	
		For >250 To 500, Deduct	-6.86	
		For >500, Deduct	-9.78	

06 Wood, Plastics, and Composites**06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

06 05 23 00-0103	EA	3/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	24.92	
		For >10 To 50, Deduct	-1.16	
		For >50 To 100, Deduct	-2.36	
		For >100 To 250, Deduct	-4.71	
		For >250 To 500, Deduct	-8.22	
		For >500, Deduct	-11.73	
06 05 23 00-0104	EA	3/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	27.14	
		For >10 To 50, Deduct	-1.22	
		For >50 To 100, Deduct	-2.51	
		For >100 To 250, Deduct	-5.02	
		For >250 To 500, Deduct	-8.74	
		For >500, Deduct	-12.47	
06 05 23 00-0105	EA	3/8" Diameter x 12" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	30.64	
		For >10 To 50, Deduct	-1.35	
		For >50 To 100, Deduct	-2.79	
		For >100 To 250, Deduct	-5.57	
		For >250 To 500, Deduct	-9.71	
		For >500, Deduct	-13.84	
06 05 23 00-0106	EA	1/2" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	21.19	
		For >10 To 50, Deduct	-0.96	
		For >50 To 100, Deduct	-1.97	
		For >100 To 250, Deduct	-3.95	
		For >250 To 500, Deduct	-6.88	
		For >500, Deduct	-9.82	
06 05 23 00-0107	EA	1/2" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	23.29	
		For >10 To 50, Deduct	-1.03	
		For >50 To 100, Deduct	-2.12	
		For >100 To 250, Deduct	-4.25	
		For >250 To 500, Deduct	-7.40	
		For >500, Deduct	-10.55	
06 05 23 00-0108	EA	1/2" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	24.83	
		For >10 To 50, Deduct	-1.09	
		For >50 To 100, Deduct	-2.26	
		For >100 To 250, Deduct	-4.51	
		For >250 To 500, Deduct	-7.86	
		For >500, Deduct	-11.21	
06 05 23 00-0109	EA	1/2" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	27.84	
		For >10 To 50, Deduct	-1.22	
		For >50 To 100, Deduct	-2.53	
		For >100 To 250, Deduct	-5.05	
		For >250 To 500, Deduct	-8.80	
		For >500, Deduct	-12.54	
06 05 23 00-0110	EA	1/2" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	32.78	
		For >10 To 50, Deduct	-1.41	
		For >50 To 100, Deduct	-2.94	
		For >100 To 250, Deduct	-5.88	
		For >250 To 500, Deduct	-10.22	
		For >500, Deduct	-14.57	
06 05 23 00-0111	EA	1/2" Diameter x 12" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	36.80	
		For >10 To 50, Deduct	-1.54	
		For >50 To 100, Deduct	-3.23	
		For >100 To 250, Deduct	-6.46	
		For >250 To 500, Deduct	-11.23	
		For >500, Deduct	-16.00	
06 05 23 00-0112	EA	3/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	29.29	
		For >10 To 50, Deduct	-1.16	
		For >50 To 100, Deduct	-2.46	
		For >100 To 250, Deduct	-4.93	
		For >250 To 500, Deduct	-8.55	
		For >500, Deduct	-12.17	
06 05 23 00-0113	EA	3/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	31.83	
		For >10 To 50, Deduct	-1.22	
		For >50 To 100, Deduct	-2.63	
		For >100 To 250, Deduct	-5.25	
		For >250 To 500, Deduct	-9.09	
		For >500, Deduct	-12.94	
06 05 23 00-0114	EA	3/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	38.24	
		For >10 To 50, Deduct	-1.41	
		For >50 To 100, Deduct	-3.07	
		For >100 To 250, Deduct	-6.15	
		For >250 To 500, Deduct	-10.63	
		For >500, Deduct	-15.12	
06 05 23 00-0115	EA	3/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	43.22	
		For >10 To 50, Deduct	-1.48	
		For >50 To 100, Deduct	-3.29	
		For >100 To 250, Deduct	-6.59	
		For >250 To 500, Deduct	-11.36	
		For >500, Deduct	-16.13	
06 05 23 00-0116	EA	3/4" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	46.92	
		For >10 To 50, Deduct	-1.60	
		For >50 To 100, Deduct	-3.58	
		For >100 To 250, Deduct	-7.16	
		For >250 To 500, Deduct	-12.34	
		For >500, Deduct	-17.52	
06 05 23 00-0117	EA	3/4" Diameter x 12" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	47.79	
		For >10 To 50, Deduct	-1.67	
		For >50 To 100, Deduct	-3.70	
		For >100 To 250, Deduct	-7.40	
		For >250 To 500, Deduct	-12.76	
		For >500, Deduct	-18.13	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0118			Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolts (06 05 23 00-0094)		
06 05 23 00-0119	EA		1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	17.47	
			For >10 To 50, Deduct	-0.83	
			For >50 To 100, Deduct	-1.69	
			For >100 To 250, Deduct	-3.38	
			For >250 To 500, Deduct	-5.90	
			For >500, Deduct	-8.42	
06 05 23 00-0120	EA		1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	17.83	
			For >10 To 50, Deduct	-0.83	
			For >50 To 100, Deduct	-1.70	
			For >100 To 250, Deduct	-3.39	
			For >250 To 500, Deduct	-5.92	
			For >500, Deduct	-8.46	
06 05 23 00-0121	EA		1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	18.24	
			For >10 To 50, Deduct	-0.83	
			For >50 To 100, Deduct	-1.71	
			For >100 To 250, Deduct	-3.41	
			For >250 To 500, Deduct	-5.96	
			For >500, Deduct	-8.50	
06 05 23 00-0122	EA		1/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	21.71	
			For >10 To 50, Deduct	-0.96	
			For >50 To 100, Deduct	-1.99	
			For >100 To 250, Deduct	-3.97	
			For >250 To 500, Deduct	-6.92	
			For >500, Deduct	-9.87	
06 05 23 00-0123	EA		3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	19.42	
			For >10 To 50, Deduct	-0.90	
			For >50 To 100, Deduct	-1.83	
			For >100 To 250, Deduct	-3.67	
			For >250 To 500, Deduct	-6.40	
			For >500, Deduct	-9.13	
06 05 23 00-0124	EA		3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	21.29	
			For >10 To 50, Deduct	-0.96	
			For >50 To 100, Deduct	-1.98	
			For >100 To 250, Deduct	-3.95	
			For >250 To 500, Deduct	-6.89	
			For >500, Deduct	-9.83	
06 05 23 00-0125	EA		3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	21.74	
			For >10 To 50, Deduct	-0.96	
			For >50 To 100, Deduct	-1.99	
			For >100 To 250, Deduct	-3.97	
			For >250 To 500, Deduct	-6.92	
			For >500, Deduct	-9.87	
06 05 23 00-0126	EA		3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	26.28	
			For >10 To 50, Deduct	-1.16	
			For >50 To 100, Deduct	-2.39	
			For >100 To 250, Deduct	-4.78	
			For >250 To 500, Deduct	-8.32	
			For >500, Deduct	-11.87	
06 05 23 00-0127	EA		3/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	28.67	
			For >10 To 50, Deduct	-1.22	
			For >50 To 100, Deduct	-2.55	
			For >100 To 250, Deduct	-5.09	
			For >250 To 500, Deduct	-8.86	
			For >500, Deduct	-12.62	
06 05 23 00-0128	EA		3/8" Diameter x 12" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	32.05	
			For >10 To 50, Deduct	-1.35	
			For >50 To 100, Deduct	-2.82	
			For >100 To 250, Deduct	-5.65	
			For >250 To 500, Deduct	-9.82	
			For >500, Deduct	-13.99	
06 05 23 00-0129	EA		1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	22.33	
			For >10 To 50, Deduct	-0.96	
			For >50 To 100, Deduct	-2.00	
			For >100 To 250, Deduct	-4.00	
			For >250 To 500, Deduct	-6.97	
			For >500, Deduct	-9.93	
06 05 23 00-0130	EA		1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	24.19	
			For >10 To 50, Deduct	-1.03	
			For >50 To 100, Deduct	-2.15	
			For >100 To 250, Deduct	-4.29	
			For >250 To 500, Deduct	-7.46	
			For >500, Deduct	-10.64	
06 05 23 00-0131	EA		1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	25.90	
			For >10 To 50, Deduct	-1.09	
			For >50 To 100, Deduct	-2.28	
			For >100 To 250, Deduct	-4.57	
			For >250 To 500, Deduct	-7.94	
			For >500, Deduct	-11.32	
06 05 23 00-0132	EA		1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	29.38	
			For >10 To 50, Deduct	-1.22	
			For >50 To 100, Deduct	-2.56	
			For >100 To 250, Deduct	-5.13	
			For >250 To 500, Deduct	-8.91	
			For >500, Deduct	-12.69	
06 05 23 00-0133	EA		1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	34.28	
			For >10 To 50, Deduct	-1.41	
			For >50 To 100, Deduct	-2.98	
			For >100 To 250, Deduct	-5.95	
			For >250 To 500, Deduct	-10.34	
			For >500, Deduct	-14.72	

06 Wood, Plastics, and Composites**06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

06 05 23 00-0134	EA	1/2" Diameter x 12" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	37.96	
		For >10 To 50, Deduct	-1.54	
		For >50 To 100, Deduct	-3.26	
		For >100 To 250, Deduct	-6.52	
		For >250 To 500, Deduct	-11.32	
		For >500, Deduct	-16.12	
06 05 23 00-0135	EA	3/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	32.71	
		For >10 To 50, Deduct	-1.16	
		For >50 To 100, Deduct	-2.55	
		For >100 To 250, Deduct	-5.10	
		For >250 To 500, Deduct	-8.81	
		For >500, Deduct	-12.51	
06 05 23 00-0136	EA	3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	34.22	
		For >10 To 50, Deduct	-1.22	
		For >50 To 100, Deduct	-2.68	
		For >100 To 250, Deduct	-5.37	
		For >250 To 500, Deduct	-9.27	
		For >500, Deduct	-13.18	
06 05 23 00-0137	EA	3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	39.94	
		For >10 To 50, Deduct	-1.41	
		For >50 To 100, Deduct	-3.12	
		For >100 To 250, Deduct	-6.23	
		For >250 To 500, Deduct	-10.76	
		For >500, Deduct	-15.29	
06 05 23 00-0138	EA	3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	43.09	
		For >10 To 50, Deduct	-1.48	
		For >50 To 100, Deduct	-3.29	
		For >100 To 250, Deduct	-6.58	
		For >250 To 500, Deduct	-11.35	
		For >500, Deduct	-16.12	
06 05 23 00-0139	EA	3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	49.13	
		For >10 To 50, Deduct	-1.60	
		For >50 To 100, Deduct	-3.63	
		For >100 To 250, Deduct	-7.27	
		For >250 To 500, Deduct	-12.51	
		For >500, Deduct	-17.75	
06 05 23 00-0140	EA	3/4" Diameter x 12" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	52.39	
		For >10 To 50, Deduct	-1.67	
		For >50 To 100, Deduct	-3.81	
		For >100 To 250, Deduct	-7.63	
		For >250 To 500, Deduct	-13.11	
		For >500, Deduct	-18.59	

06 05 23 00-0141 304/18-8 Stainless Steel, Carriage Bolts (06 05 23 00-0094)

06 05 23 00-0142	EA	1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Carriage Bolt	18.42	
		For >10 To 50, Deduct	-0.83	
		For >50 To 100, Deduct	-1.71	
		For >100 To 250, Deduct	-3.42	
		For >250 To 500, Deduct	-5.97	
		For >500, Deduct	-8.51	
06 05 23 00-0143	EA	1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt	20.33	
		For >10 To 50, Deduct	-0.83	
		For >50 To 100, Deduct	-1.76	
		For >100 To 250, Deduct	-3.52	
		For >250 To 500, Deduct	-6.11	
		For >500, Deduct	-8.71	
06 05 23 00-0144	EA	1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt	21.58	
		For >10 To 50, Deduct	-0.83	
		For >50 To 100, Deduct	-1.79	
		For >100 To 250, Deduct	-3.58	
		For >250 To 500, Deduct	-6.21	
		For >500, Deduct	-8.83	
06 05 23 00-0145	EA	1/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt	37.59	
		For >10 To 50, Deduct	-0.96	
		For >50 To 100, Deduct	-2.38	
		For >100 To 250, Deduct	-4.77	
		For >250 To 500, Deduct	-8.11	
		For >500, Deduct	-11.46	
06 05 23 00-0146	EA	3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Carriage Bolt	21.48	
		For >10 To 50, Deduct	-0.90	
		For >50 To 100, Deduct	-1.88	
		For >100 To 250, Deduct	-3.77	
		For >250 To 500, Deduct	-6.55	
		For >500, Deduct	-9.34	
06 05 23 00-0147	EA	3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt	25.53	
		For >10 To 50, Deduct	-0.96	
		For >50 To 100, Deduct	-2.08	
		For >100 To 250, Deduct	-4.16	
		For >250 To 500, Deduct	-7.21	
		For >500, Deduct	-10.25	
06 05 23 00-0148	EA	3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt	26.13	
		For >10 To 50, Deduct	-0.96	
		For >50 To 100, Deduct	-2.10	
		For >100 To 250, Deduct	-4.19	
		For >250 To 500, Deduct	-7.25	
		For >500, Deduct	-10.31	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0149	EA	3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt	49.88	
		For >10 To 50, Deduct	-1.16	
		For >50 To 100, Deduct	-2.98	
		For >100 To 250, Deduct	-5.96	
		For >250 To 500, Deduct	-10.09	
		For >500, Deduct	-14.23	
06 05 23 00-0150	EA	3/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Carriage Bolt	61.11	
		For >10 To 50, Deduct	-1.22	
		For >50 To 100, Deduct	-3.36	
		For >100 To 250, Deduct	-6.71	
		For >250 To 500, Deduct	-11.29	
		For >500, Deduct	-15.87	
06 05 23 00-0151	EA	3/8" Diameter x 12" Length, 304/18-8 Stainless Steel, Carriage Bolt	68.50	
		For >10 To 50, Deduct	-1.35	
		For >50 To 100, Deduct	-3.73	
		For >100 To 250, Deduct	-7.47	
		For >250 To 500, Deduct	-12.55	
		For >500, Deduct	-17.63	
06 05 23 00-0152	EA	1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Carriage Bolt	27.76	
		For >10 To 50, Deduct	-0.96	
		For >50 To 100, Deduct	-2.14	
		For >100 To 250, Deduct	-4.28	
		For >250 To 500, Deduct	-7.38	
		For >500, Deduct	-10.48	
06 05 23 00-0153	EA	1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt	31.71	
		For >10 To 50, Deduct	-1.03	
		For >50 To 100, Deduct	-2.33	
		For >100 To 250, Deduct	-4.67	
		For >250 To 500, Deduct	-8.03	
		For >500, Deduct	-11.39	
06 05 23 00-0154	EA	1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt	38.78	
		For >10 To 50, Deduct	-1.09	
		For >50 To 100, Deduct	-2.61	
		For >100 To 250, Deduct	-5.21	
		For >250 To 500, Deduct	-8.91	
		For >500, Deduct	-12.61	
06 05 23 00-0155	EA	1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt	62.86	
		For >10 To 50, Deduct	-1.22	
		For >50 To 100, Deduct	-3.40	
		For >100 To 250, Deduct	-6.80	
		For >250 To 500, Deduct	-11.42	
		For >500, Deduct	-16.04	
06 05 23 00-0156	EA	1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Carriage Bolt	70.92	
		For >10 To 50, Deduct	-1.41	
		For >50 To 100, Deduct	-3.89	
		For >100 To 250, Deduct	-7.78	
		For >250 To 500, Deduct	-13.09	
		For >500, Deduct	-18.39	
06 05 23 00-0157	EA	1/2" Diameter x 12" Length, 304/18-8 Stainless Steel, Carriage Bolt	112.93	
		For >10 To 50, Deduct	-1.54	
		For >50 To 100, Deduct	-5.13	
		For >100 To 250, Deduct	-10.27	
		For >250 To 500, Deduct	-16.94	
		For >500, Deduct	-23.61	
06 05 23 00-0158	EA	3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt	87.65	
		For >10 To 50, Deduct	-1.22	
		For >50 To 100, Deduct	-4.02	
		For >100 To 250, Deduct	-8.04	
		For >250 To 500, Deduct	-13.28	
		For >500, Deduct	-18.52	
06 05 23 00-0159	EA	3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt	124.85	
		For >10 To 50, Deduct	-1.41	
		For >50 To 100, Deduct	-5.24	
		For >100 To 250, Deduct	-10.48	
		For >250 To 500, Deduct	-17.13	
		For >500, Deduct	-23.78	
06 05 23 00-0160	EA	3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt	138.55	
		For >10 To 50, Deduct	-1.48	
		For >50 To 100, Deduct	-5.68	
		For >100 To 250, Deduct	-11.36	
		For >250 To 500, Deduct	-18.51	
		For >500, Deduct	-25.66	
06 05 23 00-0161	EA	3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Carriage Bolt	205.85	
		For >10 To 50, Deduct	-1.60	
		For >50 To 100, Deduct	-7.55	
		For >100 To 250, Deduct	-15.10	
		For >250 To 500, Deduct	-24.26	
		For >500, Deduct	-33.42	
06 05 23 00-0162	EA	3/4" Diameter x 12" Length, 304/18-8 Stainless Steel, Carriage Bolt	216.58	
		For >10 To 50, Deduct	-1.67	
		For >50 To 100, Deduct	-7.92	
		For >100 To 250, Deduct	-15.83	
		For >250 To 500, Deduct	-25.42	
		For >500, Deduct	-35.01	

06 05 23 00-0163 316 Stainless Steel, Carriage Bolts (06 05 23 00-0094)

06 Wood, Plastics, and Composites**06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

06 05 23 00-0164	EA	1/4" Diameter x 2" Length, 316 Stainless Steel, Carriage Bolt.....	27.24	
		For >10 To 50, Deduct	-0.83	
		For >50 To 100, Deduct	-1.93	
		For >100 To 250, Deduct	-3.86	
		For >250 To 500, Deduct	-6.63	
		For >500, Deduct	-9.40	
06 05 23 00-0165	EA	1/4" Diameter x 4" Length, 316 Stainless Steel, Carriage Bolt.....	30.59	
		For >10 To 50, Deduct	-0.83	
		For >50 To 100, Deduct	-2.02	
		For >100 To 250, Deduct	-4.03	
		For >250 To 500, Deduct	-6.88	
		For >500, Deduct	-9.73	
06 05 23 00-0166	EA	3/8" Diameter x 2" Length, 316 Stainless Steel, Carriage Bolt.....	33.02	
		For >10 To 50, Deduct	-0.90	
		For >50 To 100, Deduct	-2.17	
		For >100 To 250, Deduct	-4.35	
		For >250 To 500, Deduct	-7.42	
		For >500, Deduct	-10.49	
06 05 23 00-0167	EA	3/8" Diameter x 4" Length, 316 Stainless Steel, Carriage Bolt.....	38.95	
		For >10 To 50, Deduct	-0.96	
		For >50 To 100, Deduct	-2.42	
		For >100 To 250, Deduct	-4.84	
		For >250 To 500, Deduct	-8.22	
		For >500, Deduct	-11.60	
06 05 23 00-0168	EA	1/2" Diameter x 2" Length, 316 Stainless Steel, Carriage Bolt.....	53.85	
		For >10 To 50, Deduct	-0.96	
		For >50 To 100, Deduct	-2.79	
		For >100 To 250, Deduct	-5.58	
		For >250 To 500, Deduct	-9.33	
		For >500, Deduct	-13.09	
06 05 23 00-0169	EA	1/2" Diameter x 4" Length, 316 Stainless Steel, Carriage Bolt.....	58.75	
		For >10 To 50, Deduct	-1.03	
		For >50 To 100, Deduct	-3.01	
		For >100 To 250, Deduct	-6.02	
		For >250 To 500, Deduct	-10.05	
		For >500, Deduct	-14.09	
06 05 23 00-0170	EA	1/2" Diameter x 6" Length, 316 Stainless Steel, Carriage Bolt.....	63.36	
		For >10 To 50, Deduct	-1.09	
		For >50 To 100, Deduct	-3.22	
		For >100 To 250, Deduct	-6.44	
		For >250 To 500, Deduct	-10.75	
		For >500, Deduct	-15.06	

06 05 23 00-0171 **Hex Lag Bolts** (06 05 23 00-0093)
 Note: Includes drilling of holes in any material.

06 05 23 00-0172 **Zinc Plated Steel, Hex Lag Bolts** (06 05 23 00-0171)

06 05 23 00-0173	EA	1/4" Diameter x 2" Length, Zinc Plated Steel, Hex Lag Bolt.....	16.31	
		For >10 To 50, Deduct	-0.80	
		For >50 To 100, Deduct	-1.61	
		For >100 To 250, Deduct	-3.22	
		For >250 To 500, Deduct	-5.63	
		For >500, Deduct	-8.05	
06 05 23 00-0174	EA	1/4" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt.....	16.48	
		For >10 To 50, Deduct	-0.80	
		For >50 To 100, Deduct	-1.62	
		For >100 To 250, Deduct	-3.23	
		For >250 To 500, Deduct	-5.65	
		For >500, Deduct	-8.06	
06 05 23 00-0175	EA	1/4" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt.....	16.82	
		For >10 To 50, Deduct	-0.80	
		For >50 To 100, Deduct	-1.62	
		For >100 To 250, Deduct	-3.25	
		For >250 To 500, Deduct	-5.67	
		For >500, Deduct	-8.10	
06 05 23 00-0176	EA	3/8" Diameter x 2" Length, Zinc Plated Steel, Hex Lag Bolt.....	17.99	
		For >10 To 50, Deduct	-0.87	
		For >50 To 100, Deduct	-1.76	
		For >100 To 250, Deduct	-3.52	
		For >250 To 500, Deduct	-6.16	
		For >500, Deduct	-8.79	
06 05 23 00-0177	EA	3/8" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt.....	19.58	
		For >10 To 50, Deduct	-0.94	
		For >50 To 100, Deduct	-1.90	
		For >100 To 250, Deduct	-3.79	
		For >250 To 500, Deduct	-6.62	
		For >500, Deduct	-9.45	
06 05 23 00-0178	EA	3/8" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt.....	19.96	
		For >10 To 50, Deduct	-0.94	
		For >50 To 100, Deduct	-1.90	
		For >100 To 250, Deduct	-3.81	
		For >250 To 500, Deduct	-6.65	
		For >500, Deduct	-9.49	
06 05 23 00-0179	EA	3/8" Diameter x 8" Length, Zinc Plated Steel, Hex Lag Bolt.....	24.47	
		For >10 To 50, Deduct	-1.12	
		For >50 To 100, Deduct	-2.30	
		For >100 To 250, Deduct	-4.60	
		For >250 To 500, Deduct	-8.02	
		For >500, Deduct	-11.44	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0180	EA	3/8" Diameter x 10" Length, Zinc Plated Steel, Hex Lag Bolt.....	25.93	
		For >10 To 50, Deduct	-1.19	
		For >50 To 100, Deduct	-2.43	
		For >100 To 250, Deduct	-4.85	
		For >250 To 500, Deduct	-8.47	
		For >500, Deduct	-12.08	
06 05 23 00-0181	EA	1/2" Diameter x 2" Length, Zinc Plated Steel, Hex Lag Bolt	19.97	
		For >10 To 50, Deduct	-0.94	
		For >50 To 100, Deduct	-1.92	
		For >100 To 250, Deduct	-3.83	
		For >250 To 500, Deduct	-6.69	
		For >500, Deduct	-9.55	
06 05 23 00-0182	EA	1/2" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt	21.76	
		For >10 To 50, Deduct	-1.01	
		For >50 To 100, Deduct	-2.05	
		For >100 To 250, Deduct	-4.11	
		For >250 To 500, Deduct	-7.17	
		For >500, Deduct	-10.23	
06 05 23 00-0183	EA	1/2" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt	23.73	
		For >10 To 50, Deduct	-1.07	
		For >50 To 100, Deduct	-2.20	
		For >100 To 250, Deduct	-4.40	
		For >250 To 500, Deduct	-7.66	
		For >500, Deduct	-10.93	
06 05 23 00-0184	EA	1/2" Diameter x 8" Length, Zinc Plated Steel, Hex Lag Bolt	27.04	
		For >10 To 50, Deduct	-1.20	
		For >50 To 100, Deduct	-2.47	
		For >100 To 250, Deduct	-4.94	
		For >250 To 500, Deduct	-8.60	
		For >500, Deduct	-12.26	
06 05 23 00-0185	EA	1/2" Diameter x 10" Length, Zinc Plated Steel, Hex Lag Bolt.....	31.91	
		For >10 To 50, Deduct	-1.38	
		For >50 To 100, Deduct	-2.87	
		For >100 To 250, Deduct	-5.75	
		For >250 To 500, Deduct	-10.01	
		For >500, Deduct	-14.26	
06 05 23 00-0186	EA	1/2" Diameter x 12" Length, Zinc Plated Steel, Hex Lag Bolt.....	34.82	
		For >10 To 50, Deduct	-1.51	
		For >50 To 100, Deduct	-3.14	
		For >100 To 250, Deduct	-6.27	
		For >250 To 500, Deduct	-10.92	
		For >500, Deduct	-15.56	
06 05 23 00-0187	EA	3/4" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt	29.33	
		For >10 To 50, Deduct	-1.20	
		For >50 To 100, Deduct	-2.53	
		For >100 To 250, Deduct	-5.05	
		For >250 To 500, Deduct	-8.77	
		For >500, Deduct	-12.49	
06 05 23 00-0188	EA	3/4" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt	35.08	
		For >10 To 50, Deduct	-1.38	
		For >50 To 100, Deduct	-2.95	
		For >100 To 250, Deduct	-5.91	
		For >250 To 500, Deduct	-10.24	
		For >500, Deduct	-14.58	
06 05 23 00-0189	EA	3/4" Diameter x 8" Length, Zinc Plated Steel, Hex Lag Bolt	38.95	
		For >10 To 50, Deduct	-1.45	
		For >50 To 100, Deduct	-3.14	
		For >100 To 250, Deduct	-6.29	
		For >250 To 500, Deduct	-10.88	
		For >500, Deduct	-15.47	
06 05 23 00-0190	EA	3/4" Diameter x 10" Length, Zinc Plated Steel, Hex Lag Bolt.....	43.85	
		For >10 To 50, Deduct	-1.57	
		For >50 To 100, Deduct	-3.46	
		For >100 To 250, Deduct	-6.91	
		For >250 To 500, Deduct	-11.94	
		For >500, Deduct	-16.97	
06 05 23 00-0191	EA	3/4" Diameter x 12" Length, Zinc Plated Steel, Hex Lag Bolt.....	49.30	
		For >10 To 50, Deduct	-1.64	
		For >50 To 100, Deduct	-3.69	
		For >100 To 250, Deduct	-7.37	
		For >250 To 500, Deduct	-12.69	
		For >500, Deduct	-18.01	
06 05 23 00-0192		Hot Dipped Galvanized Steel, Hex Lag Bolts (06 05 23 00-0171)		
06 05 23 00-0193	EA	1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	16.39	
		For >10 To 50, Deduct	-0.80	
		For >50 To 100, Deduct	-1.61	
		For >100 To 250, Deduct	-3.23	
		For >250 To 500, Deduct	-5.64	
		For >500, Deduct	-8.06	
06 05 23 00-0194	EA	1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	16.65	
		For >10 To 50, Deduct	-0.80	
		For >50 To 100, Deduct	-1.62	
		For >100 To 250, Deduct	-3.24	
		For >250 To 500, Deduct	-5.66	
		For >500, Deduct	-8.08	

06 Wood, Plastics, and Composites**06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
06 05 23 00-0195	EA 1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	16.92		
	For >10 To 50, Deduct	-0.80		
	For >50 To 100, Deduct	-1.63		
	For >100 To 250, Deduct	-3.25		
	For >250 To 500, Deduct	-5.68		
	For >500, Deduct	-8.11		
06 05 23 00-0196	EA 3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	18.14		
	For >10 To 50, Deduct	-0.87		
	For >50 To 100, Deduct	-1.76		
	For >100 To 250, Deduct	-3.53		
	For >250 To 500, Deduct	-6.17		
	For >500, Deduct	-8.81		
06 05 23 00-0197	EA 3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	19.81		
	For >10 To 50, Deduct	-0.94		
	For >50 To 100, Deduct	-1.90		
	For >100 To 250, Deduct	-3.80		
	For >250 To 500, Deduct	-6.64		
	For >500, Deduct	-9.48		
06 05 23 00-0198	EA 3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	20.23		
	For >10 To 50, Deduct	-0.94		
	For >50 To 100, Deduct	-1.91		
	For >100 To 250, Deduct	-3.82		
	For >250 To 500, Deduct	-6.67		
	For >500, Deduct	-9.52		
06 05 23 00-0199	EA 3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	24.98		
	For >10 To 50, Deduct	-1.12		
	For >50 To 100, Deduct	-2.31		
	For >100 To 250, Deduct	-4.62		
	For >250 To 500, Deduct	-8.06		
	For >500, Deduct	-11.49		
06 05 23 00-0200	EA 3/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	26.79		
	For >10 To 50, Deduct	-1.19		
	For >50 To 100, Deduct	-2.45		
	For >100 To 250, Deduct	-4.90		
	For >250 To 500, Deduct	-8.53		
	For >500, Deduct	-12.17		
06 05 23 00-0201	EA 1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	20.35		
	For >10 To 50, Deduct	-0.94		
	For >50 To 100, Deduct	-1.92		
	For >100 To 250, Deduct	-3.85		
	For >250 To 500, Deduct	-6.72		
	For >500, Deduct	-9.59		
06 05 23 00-0202	EA 1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	21.98		
	For >10 To 50, Deduct	-1.01		
	For >50 To 100, Deduct	-2.06		
	For >100 To 250, Deduct	-4.12		
	For >250 To 500, Deduct	-7.18		
	For >500, Deduct	-10.25		
06 05 23 00-0203	EA 1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	24.11		
	For >10 To 50, Deduct	-1.07		
	For >50 To 100, Deduct	-2.21		
	For >100 To 250, Deduct	-4.41		
	For >250 To 500, Deduct	-7.69		
	For >500, Deduct	-10.97		
06 05 23 00-0204	EA 1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	28.20		
	For >10 To 50, Deduct	-1.20		
	For >50 To 100, Deduct	-2.50		
	For >100 To 250, Deduct	-5.00		
	For >250 To 500, Deduct	-8.69		
	For >500, Deduct	-12.38		
06 05 23 00-0205	EA 1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	32.47		
	For >10 To 50, Deduct	-1.38		
	For >50 To 100, Deduct	-2.89		
	For >100 To 250, Deduct	-5.78		
	For >250 To 500, Deduct	-10.05		
	For >500, Deduct	-14.32		
06 05 23 00-0206	EA 1/2" Diameter x 12" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	36.21		
	For >10 To 50, Deduct	-1.51		
	For >50 To 100, Deduct	-3.17		
	For >100 To 250, Deduct	-6.34		
	For >250 To 500, Deduct	-11.02		
	For >500, Deduct	-15.70		
06 05 23 00-0207	EA 3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	30.19		
	For >10 To 50, Deduct	-1.20		
	For >50 To 100, Deduct	-2.55		
	For >100 To 250, Deduct	-5.09		
	For >250 To 500, Deduct	-8.84		
	For >500, Deduct	-12.58		
06 05 23 00-0208	EA 3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	35.86		
	For >10 To 50, Deduct	-1.38		
	For >50 To 100, Deduct	-2.97		
	For >100 To 250, Deduct	-5.95		
	For >250 To 500, Deduct	-10.30		
	For >500, Deduct	-14.66		
06 05 23 00-0209	EA 3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	40.25		
	For >10 To 50, Deduct	-1.45		
	For >50 To 100, Deduct	-3.18		
	For >100 To 250, Deduct	-6.35		
	For >250 To 500, Deduct	-10.98		
	For >500, Deduct	-15.60		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0210	EA	3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	46.92	
		For >10 To 50, Deduct	-1.57	
		For >50 To 100, Deduct	-3.53	
		For >100 To 250, Deduct	-7.07	
		For >250 To 500, Deduct	-12.17	
		For >500, Deduct	-17.28	
06 05 23 00-0211	EA	3/4" Diameter x 12" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	52.58	
		For >10 To 50, Deduct	-1.64	
		For >50 To 100, Deduct	-3.77	
		For >100 To 250, Deduct	-7.54	
		For >250 To 500, Deduct	-12.94	
		For >500, Deduct	-18.34	
06 05 23 00-0212		304/18-8 Stainless Steel, Hex Lag Bolts (06 05 23 00-0171)		
06 05 23 00-0213	EA	1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	17.24	
		For >10 To 50, Deduct	-0.80	
		For >50 To 100, Deduct	-1.63	
		For >100 To 250, Deduct	-3.27	
		For >250 To 500, Deduct	-5.70	
		For >500, Deduct	-8.14	
06 05 23 00-0214	EA	1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	18.14	
		For >10 To 50, Deduct	-0.80	
		For >50 To 100, Deduct	-1.66	
		For >100 To 250, Deduct	-3.31	
		For >250 To 500, Deduct	-5.77	
		For >500, Deduct	-8.23	
06 05 23 00-0215	EA	1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	20.57	
		For >10 To 50, Deduct	-0.80	
		For >50 To 100, Deduct	-1.72	
		For >100 To 250, Deduct	-3.43	
		For >250 To 500, Deduct	-5.95	
		For >500, Deduct	-8.47	
06 05 23 00-0216	EA	3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	20.55	
		For >10 To 50, Deduct	-0.87	
		For >50 To 100, Deduct	-1.82	
		For >100 To 250, Deduct	-3.65	
		For >250 To 500, Deduct	-6.35	
		For >500, Deduct	-9.05	
06 05 23 00-0217	EA	3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	23.16	
		For >10 To 50, Deduct	-0.94	
		For >50 To 100, Deduct	-1.98	
		For >100 To 250, Deduct	-3.97	
		For >250 To 500, Deduct	-6.89	
		For >500, Deduct	-9.81	
06 05 23 00-0218	EA	3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	24.71	
		For >10 To 50, Deduct	-0.94	
		For >50 To 100, Deduct	-2.02	
		For >100 To 250, Deduct	-4.05	
		For >250 To 500, Deduct	-7.01	
		For >500, Deduct	-9.97	
06 05 23 00-0219	EA	3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	50.09	
		For >10 To 50, Deduct	-1.12	
		For >50 To 100, Deduct	-2.94	
		For >100 To 250, Deduct	-5.88	
		For >250 To 500, Deduct	-9.94	
		For >500, Deduct	-14.00	
06 05 23 00-0220	EA	3/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	70.26	
		For >10 To 50, Deduct	-1.19	
		For >50 To 100, Deduct	-3.54	
		For >100 To 250, Deduct	-7.07	
		For >250 To 500, Deduct	-11.79	
		For >500, Deduct	-16.51	
06 05 23 00-0221	EA	1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	24.90	
		For >10 To 50, Deduct	-0.94	
		For >50 To 100, Deduct	-2.04	
		For >100 To 250, Deduct	-4.08	
		For >250 To 500, Deduct	-7.06	
		For >500, Deduct	-10.04	
06 05 23 00-0222	EA	1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	29.40	
		For >10 To 50, Deduct	-1.01	
		For >50 To 100, Deduct	-2.24	
		For >100 To 250, Deduct	-4.49	
		For >250 To 500, Deduct	-7.74	
		For >500, Deduct	-10.99	
06 05 23 00-0223	EA	1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	36.26	
		For >10 To 50, Deduct	-1.07	
		For >50 To 100, Deduct	-2.51	
		For >100 To 250, Deduct	-5.02	
		For >250 To 500, Deduct	-8.60	
		For >500, Deduct	-12.18	
06 05 23 00-0224	EA	1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	74.83	
		For >10 To 50, Deduct	-1.20	
		For >50 To 100, Deduct	-3.66	
		For >100 To 250, Deduct	-7.33	
		For >250 To 500, Deduct	-12.18	
		For >500, Deduct	-17.04	

06 Wood, Plastics, and Composites**06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

06 05 23 00-0225	EA	1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	101.79	
		<i>For >10 To 50, Deduct</i>	-1.38	
		<i>For >50 To 100, Deduct</i>	-4.62	
		<i>For >100 To 250, Deduct</i>	-9.24	
		<i>For >250 To 500, Deduct</i>	-15.25	
		<i>For >500, Deduct</i>	-21.25	
06 05 23 00-0226	EA	1/2" Diameter x 12" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	118.88	
		<i>For >10 To 50, Deduct</i>	-1.51	
		<i>For >50 To 100, Deduct</i>	-5.24	
		<i>For >100 To 250, Deduct</i>	-10.47	
		<i>For >250 To 500, Deduct</i>	-17.22	
		<i>For >500, Deduct</i>	-23.97	
06 05 23 00-0227	EA	3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	110.22	
		<i>For >10 To 50, Deduct</i>	-1.20	
		<i>For >50 To 100, Deduct</i>	-4.55	
		<i>For >100 To 250, Deduct</i>	-9.10	
		<i>For >250 To 500, Deduct</i>	-14.84	
		<i>For >500, Deduct</i>	-20.58	
06 05 23 00-0228	EA	3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	126.00	
		<i>For >10 To 50, Deduct</i>	-1.38	
		<i>For >50 To 100, Deduct</i>	-5.23	
		<i>For >100 To 250, Deduct</i>	-10.45	
		<i>For >250 To 500, Deduct</i>	-17.06	
		<i>For >500, Deduct</i>	-23.67	
06 05 23 00-0229	EA	3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	131.12	
		<i>For >10 To 50, Deduct</i>	-1.45	
		<i>For >50 To 100, Deduct</i>	-5.45	
		<i>For >100 To 250, Deduct</i>	-10.90	
		<i>For >250 To 500, Deduct</i>	-17.79	
		<i>For >500, Deduct</i>	-24.69	
06 05 23 00-0230	EA	3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	181.55	
		<i>For >10 To 50, Deduct</i>	-1.57	
		<i>For >50 To 100, Deduct</i>	-6.90	
		<i>For >100 To 250, Deduct</i>	-13.80	
		<i>For >250 To 500, Deduct</i>	-22.27	
		<i>For >500, Deduct</i>	-30.74	
06 05 23 00-0231	EA	3/4" Diameter x 12" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	198.08	
		<i>For >10 To 50, Deduct</i>	-1.64	
		<i>For >50 To 100, Deduct</i>	-7.41	
		<i>For >100 To 250, Deduct</i>	-14.81	
		<i>For >250 To 500, Deduct</i>	-23.85	
		<i>For >500, Deduct</i>	-32.89	

06 05 23 00-0232 Stainless Steel Screws (06 05 23 00-0093)

06 05 23 00-0233	EA	#8 x 1-1/2" Stainless Steel Screw.....	2.50	
06 05 23 00-0234	EA	#9 x 1-1/2" Stainless Steel Screw.....	2.55	
06 05 23 00-0235	EA	#10 x 1-1/2" Stainless Steel Screw.....	2.61	
06 05 23 00-0236	EA	#12 x 1-1/2" Stainless Steel Screw.....	2.80	

06 05 23 00-0237 Galvanized Steel Screws (06 05 23 00-0093)

06 05 23 00-0238	EA	#8 x 1-1/2" Galvanized Steel Screw.....	2.33	
06 05 23 00-0239	EA	#9 x 1-1/2" Galvanized Steel Screw.....	2.38	
06 05 23 00-0240	EA	#10 x 1-1/2" Galvanized Steel Screw.....	2.43	
06 05 23 00-0241	EA	#12 x 1-1/2" Galvanized Steel Screw.....	2.59	
06 05 23 00-0242	EA	#8 x 2-1/2" Galvanized Steel Screw.....	2.37	
06 05 23 00-0243	EA	#9 x 2-1/2" Galvanized Steel Screw.....	2.41	
06 05 23 00-0244	EA	#10 x 2-1/2" Galvanized Steel Screw.....	2.47	
06 05 23 00-0245	EA	#12 x 2-1/2" Galvanized Steel Screw.....	2.67	

06 05 23 00-0246 Timber Bolts (06 05 23 00-0093)

Note: Includes drilling of holes in any material.

06 05 23 00-0247	EA	5/8" - 11 x 4" Threaded x 8" OAL A153 Galvanized Timber Bolt (Fastenal #11103914)	42.80	
		<i>For >10 To 50, Deduct</i>	-1.33	
		<i>For >50 To 100, Deduct</i>	-3.06	
		<i>For >100 To 250, Deduct</i>	-6.13	
		<i>For >250 To 500, Deduct</i>	-10.52	
		<i>For >500, Deduct</i>	-14.92	
06 05 23 00-0248	EA	5/8" - 11 x 4" Threaded x 10" OAL A153 Galvanized Timber Bolt (Fastenal #11103915)	48.40	
		<i>For >10 To 50, Deduct</i>	-1.49	
		<i>For >50 To 100, Deduct</i>	-3.44	
		<i>For >100 To 250, Deduct</i>	-6.88	
		<i>For >250 To 500, Deduct</i>	-11.81	
		<i>For >500, Deduct</i>	-16.74	
06 05 23 00-0249	EA	5/8" - 11 x 6" Threaded x 12" OAL A153 Galvanized Timber Bolt (Fastenal #11103916)	52.36	
		<i>For >10 To 50, Deduct</i>	-1.59	
		<i>For >50 To 100, Deduct</i>	-3.69	
		<i>For >100 To 250, Deduct</i>	-7.37	
		<i>For >250 To 500, Deduct</i>	-12.64	
		<i>For >500, Deduct</i>	-17.92	
06 05 23 00-0250	EA	5/8" - 11 x 6" Threaded x 14" OAL A153 Galvanized Timber Bolt (Fastenal #11103917)	58.64	
		<i>For >10 To 50, Deduct</i>	-1.68	
		<i>For >50 To 100, Deduct</i>	-3.98	
		<i>For >100 To 250, Deduct</i>	-7.96	
		<i>For >250 To 500, Deduct</i>	-13.61	
		<i>For >500, Deduct</i>	-19.27	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
06 05 23 00-0251	EA		5/8" - 11 x 6" Threaded x 16" OAL A153 Galvanized Timber Bolt (Fastenal #11103918)	62.47	
			For >10 To 50, Deduct	-1.77	
			For >50 To 100, Deduct	-4.21	
			For >100 To 250, Deduct	-8.42	
			For >250 To 500, Deduct	-14.40	
			For >500, Deduct	-20.38	
06 05 23 00-0252	EA		5/8" - 11 x 6" Threaded x 18" OAL A153 Galvanized Timber Bolt (Fastenal #11103919)	64.83	
			For >10 To 50, Deduct	-1.84	
			For >50 To 100, Deduct	-4.39	
			For >100 To 250, Deduct	-8.77	
			For >250 To 500, Deduct	-15.00	
			For >500, Deduct	-21.23	
06 05 23 00-0253	EA		3/4" - 11 x 4" Threaded x 10" OAL A153 Galvanized Timber Bolt (Fastenal #11103920)	58.38	
			For >10 To 50, Deduct	-1.59	
			For >50 To 100, Deduct	-3.84	
			For >100 To 250, Deduct	-7.67	
			For >250 To 500, Deduct	-13.10	
			For >500, Deduct	-18.52	
06 05 23 00-0254	EA		3/4" - 11 x 6" Threaded x 12" OAL A153 Galvanized Timber Bolt (Fastenal #11103921)	61.10	
			For >10 To 50, Deduct	-1.65	
			For >50 To 100, Deduct	-4.00	
			For >100 To 250, Deduct	-8.00	
			For >250 To 500, Deduct	-13.65	
			For >500, Deduct	-19.31	
06 05 23 00-0255	EA		3/4" - 11 x 6" Threaded x 14" OAL A153 Galvanized Timber Bolt (Fastenal #11103922)	67.94	
			For >10 To 50, Deduct	-1.75	
			For >50 To 100, Deduct	-4.32	
			For >100 To 250, Deduct	-8.64	
			For >250 To 500, Deduct	-14.70	
			For >500, Deduct	-20.77	
06 05 23 00-0256	EA		3/4" - 11 x 6" Threaded x 16" OAL A153 Galvanized Timber Bolt (Fastenal #11103923)	73.06	
			For >10 To 50, Deduct	-1.84	
			For >50 To 100, Deduct	-4.58	
			For >100 To 250, Deduct	-9.16	
			For >250 To 500, Deduct	-15.58	
			For >500, Deduct	-22.00	
06 05 23 00-0257	EA		3/4" - 11 x 6" Threaded x 18" OAL A153 Galvanized Timber Bolt (Fastenal #11103924)	78.67	
			For >10 To 50, Deduct	-1.93	
			For >50 To 100, Deduct	-4.86	
			For >100 To 250, Deduct	-9.72	
			For >250 To 500, Deduct	-16.50	
			For >500, Deduct	-23.29	
06 05 23 00-0258			Supports (06 05 23)		
06 05 23 00-0259			Shear Plates (06 05 23 00-0258)		
06 05 23 00-0260	EA		2-5/8" Diameter, Shear Plate	17.16	4.75
			For >10 To 50, Deduct	-0.53	
			For >50 To 100, Deduct	-1.23	
			For >100 To 250, Deduct	-2.46	
			For >250 To 500, Deduct	-4.23	
			For >500, Deduct	-5.99	
06 05 23 00-0261	EA		4" Diameter, Shear Plate	16.58	5.01
			For >10 To 50, Deduct	-0.56	
			For >50 To 100, Deduct	-1.25	
			For >100 To 250, Deduct	-2.50	
			For >250 To 500, Deduct	-4.31	
			For >500, Deduct	-6.12	
06 05 23 00-0262			Sill Anchors (06 05 23 00-0258)		
06 05 23 00-0263	EA		Sill Anchor Embedded In Concrete	14.83	5.01
			For >10 To 50, Deduct	-0.56	
			For >50 To 100, Deduct	-1.21	
			For >100 To 250, Deduct	-2.42	
			For >250 To 500, Deduct	-4.18	
			For >500, Deduct	-5.95	
06 05 23 00-0264			Spike Grids (06 05 23 00-0258)		
06 05 23 00-0265	EA		3" x 6" Flat Or Curved Spike Grid	13.26	4.75
			For >10 To 50, Deduct	-0.53	
			For >50 To 100, Deduct	-1.13	
			For >100 To 250, Deduct	-2.27	
			For >250 To 500, Deduct	-3.93	
			For >500, Deduct	-5.60	
06 05 23 00-0266			Split Rings (06 05 23 00-0258)		
06 05 23 00-0267	EA		2-1/2" Diameter Split Ring	17.37	4.75
			For >10 To 50, Deduct	-0.53	
			For >50 To 100, Deduct	-1.24	
			For >100 To 250, Deduct	-2.47	
			For >250 To 500, Deduct	-4.24	
			For >500, Deduct	-6.01	

06 Wood, Plastics, and Composites**06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
06 05 23 00-0268	EA 4" Diameter Split Ring.....	18.71		5.26
	For >10 To 50, Deduct	-0.58		
	For >50 To 100, Deduct	-1.34		
	For >100 To 250, Deduct	-2.69		
	For >250 To 500, Deduct	-4.61		
	For >500, Deduct	-6.54		
06 05 23 00-0269	Toothed Rings (06 05 23 00-0259)			
06 05 23 00-0270	EA 2-5/8" Or 4" Toothed Ring.....	14.04		4.75
	For >10 To 50, Deduct	-0.53		
	For >50 To 100, Deduct	-1.15		
	For >100 To 250, Deduct	-2.31		
	For >250 To 500, Deduct	-3.99		
	For >500, Deduct	-5.68		
06 05 23 00-0271	Straps And Shields (06 05 23)			
06 05 23 00-0272	Shield Plate (06 05 23 00-0271)			
06 05 23 00-0273	EA 5" Wide x 8" Long, 16 Gauge, Galvanized Shield Plate (Simpson Strong Tie® PSPN58Z)	9.09		
	For >10 To 50, Deduct	-0.08		
	For >50 To 100, Deduct	-0.31		
	For >100 To 250, Deduct	-0.62		
	For >250 To 500, Deduct	-1.08		
	For >500, Deduct	-1.65		
06 05 23 00-0274	EA 5" Wide x 16" Long, 16 Gauge, Galvanized Shield Plate (Simpson Strong Tie® PSPN516Z)	14.35		
	For >10 To 50, Deduct	-0.10		
	For >50 To 100, Deduct	-0.46		
	For >100 To 250, Deduct	-0.91		
	For >250 To 500, Deduct	-1.56		
	For >500, Deduct	-2.32		
06 05 23 00-0275	Strap Ties (06 05 23 00-0271)			
06 05 23 00-0276	EA 1-1/4" Wide x 9" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA9).....	3.64		
	For >10 To 50, Deduct	-0.06		
	For >50 To 100, Deduct	-0.16		
	For >100 To 250, Deduct	-0.31		
	For >250 To 500, Deduct	-0.59		
	For >500, Deduct	-0.95		
06 05 23 00-0277	EA 1-1/4" Wide x 12" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA12).....	3.73		
	For >10 To 50, Deduct	-0.06		
	For >50 To 100, Deduct	-0.16		
	For >100 To 250, Deduct	-0.31		
	For >250 To 500, Deduct	-0.60		
	For >500, Deduct	-0.96		
06 05 23 00-0278	EA 1-1/4" Wide x 15" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA15).....	4.76		
	For >10 To 50, Deduct	-0.08		
	For >50 To 100, Deduct	-0.20		
	For >100 To 250, Deduct	-0.40		
	For >250 To 500, Deduct	-0.76		
	For >500, Deduct	-1.21		
06 05 23 00-0279	EA 1-1/4" Wide x 18" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA18).....	4.93		
	For >10 To 50, Deduct	-0.08		
	For >50 To 100, Deduct	-0.20		
	For >100 To 250, Deduct	-0.41		
	For >250 To 500, Deduct	-0.77		
	For >500, Deduct	-1.23		
06 05 23 00-0280	EA 1-1/4" Wide x 21" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA21).....	5.11		
	For >10 To 50, Deduct	-0.08		
	For >50 To 100, Deduct	-0.21		
	For >100 To 250, Deduct	-0.42		
	For >250 To 500, Deduct	-0.78		
	For >500, Deduct	-1.25		
06 05 23 00-0281	EA 1-1/4" Wide x 24" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA24).....	5.89		
	For >10 To 50, Deduct	-0.10		
	For >50 To 100, Deduct	-0.24		
	For >100 To 250, Deduct	-0.49		
	For >250 To 500, Deduct	-0.92		
	For >500, Deduct	-1.47		
06 05 23 00-0282	EA 1-1/4" Wide x 30" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA30).....	7.52		
	For >10 To 50, Deduct	-0.10		
	For >50 To 100, Deduct	-0.28		
	For >100 To 250, Deduct	-0.57		
	For >250 To 500, Deduct	-1.05		
	For >500, Deduct	-1.64		
06 05 23 00-0283	EA 1-1/4" Wide x 36" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA36).....	8.72		
	For >10 To 50, Deduct	-0.11		
	For >50 To 100, Deduct	-0.33		
	For >100 To 250, Deduct	-0.66		
	For >250 To 500, Deduct	-1.22		
	For >500, Deduct	-1.91		
06 05 23 00-0284	EA 1-1/4" Wide x 9" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MST A9).....	4.01		
	For >10 To 50, Deduct	-0.06		
	For >50 To 100, Deduct	-0.16		
	For >100 To 250, Deduct	-0.33		
	For >250 To 500, Deduct	-0.62		
	For >500, Deduct	-0.99		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
06 05 23 00-0285	EA		1-1/4" Wide x 12" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA12).....	4.14	
			For >10 To 50, Deduct	-0.06	
			For >50 To 100, Deduct	-0.17	
			For >100 To 250, Deduct	-0.34	
			For >250 To 500, Deduct	-0.63	
			For >500, Deduct	-1.00	
06 05 23 00-0286	EA		1-1/4" Wide x 15" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA15).....	5.27	
			For >10 To 50, Deduct	-0.08	
			For >50 To 100, Deduct	-0.21	
			For >100 To 250, Deduct	-0.42	
			For >250 To 500, Deduct	-0.80	
			For >500, Deduct	-1.27	
06 05 23 00-0287	EA		1-1/4" Wide x 18" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA18).....	5.49	
			For >10 To 50, Deduct	-0.08	
			For >50 To 100, Deduct	-0.22	
			For >100 To 250, Deduct	-0.44	
			For >250 To 500, Deduct	-0.81	
			For >500, Deduct	-1.29	
06 05 23 00-0288	EA		1-1/4" Wide x 21" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA21).....	5.59	
			For >10 To 50, Deduct	-0.08	
			For >50 To 100, Deduct	-0.22	
			For >100 To 250, Deduct	-0.44	
			For >250 To 500, Deduct	-0.82	
			For >500, Deduct	-1.30	
06 05 23 00-0289	EA		1-1/4" Wide x 24" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA24).....	6.40	
			For >10 To 50, Deduct	-0.10	
			For >50 To 100, Deduct	-0.26	
			For >100 To 250, Deduct	-0.51	
			For >250 To 500, Deduct	-0.96	
			For >500, Deduct	-1.53	
06 05 23 00-0290	EA		1-1/4" Wide x 30" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA30).....	7.86	
			For >10 To 50, Deduct	-0.10	
			For >50 To 100, Deduct	-0.29	
			For >100 To 250, Deduct	-0.59	
			For >250 To 500, Deduct	-1.07	
			For >500, Deduct	-1.67	
06 05 23 00-0291	EA		1-1/4" Wide x 36" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA36).....	8.74	
			For >10 To 50, Deduct	-0.11	
			For >50 To 100, Deduct	-0.33	
			For >100 To 250, Deduct	-0.66	
			For >250 To 500, Deduct	-1.22	
			For >500, Deduct	-1.91	
06 05 23 00-0292	EA		1-1/4" Wide x 36" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA49).....	13.58	
			For >10 To 50, Deduct	-0.13	
			For >50 To 100, Deduct	-0.47	
			For >100 To 250, Deduct	-0.94	
			For >250 To 500, Deduct	-1.66	
			For >500, Deduct	-2.54	
06 05 23 00-0293	EA		1-1/4" Wide x 9" Long, 16 Gauge, Galvanized Strap Tie (Simpson Strong Tie® ST9).....	4.68	
			For >10 To 50, Deduct	-0.06	
			For >50 To 100, Deduct	-0.18	
			For >100 To 250, Deduct	-0.36	
			For >250 To 500, Deduct	-0.67	
			For >500, Deduct	-1.06	
06 05 23 00-0294	EA		1-1/4" Wide x 12" Long, 16 Gauge, Galvanized Strap Tie (Simpson Strong Tie® ST12).....	4.70	
			For >10 To 50, Deduct	-0.06	
			For >50 To 100, Deduct	-0.18	
			For >100 To 250, Deduct	-0.36	
			For >250 To 500, Deduct	-0.67	
			For >500, Deduct	-1.06	
06 05 23 00-0295	EA		1-1/4" Wide x 18" Long, 16 Gauge, Galvanized Strap Tie (Simpson Strong Tie® ST18).....	5.72	
			For >10 To 50, Deduct	-0.08	
			For >50 To 100, Deduct	-0.22	
			For >100 To 250, Deduct	-0.45	
			For >250 To 500, Deduct	-0.83	
			For >500, Deduct	-1.31	
06 05 23 00-0296	EA		1-1/4" Wide x 22" Long, 16 Gauge, Galvanized Strap Tie (Simpson Strong Tie® ST22).....	7.86	
			For >10 To 50, Deduct	-0.10	
			For >50 To 100, Deduct	-0.29	
			For >100 To 250, Deduct	-0.59	
			For >250 To 500, Deduct	-1.07	
			For >500, Deduct	-1.67	
06 05 23 00-0297	EA		1-3/8" Wide x 6" Long, 12 Gauge, Galvanized Strap Tie (Simpson Strong Tie® HRS6).....	6.63	
			For >10 To 50, Deduct	-0.06	
			For >50 To 100, Deduct	-0.23	
			For >100 To 250, Deduct	-0.46	
			For >250 To 500, Deduct	-0.82	
			For >500, Deduct	-1.25	
06 05 23 00-0298	EA		1-3/8" Wide x 8" Long, 12 Gauge, Galvanized Strap Tie (Simpson Strong Tie® HRS8).....	7.29	
			For >10 To 50, Deduct	-0.06	
			For >50 To 100, Deduct	-0.25	
			For >100 To 250, Deduct	-0.49	
			For >250 To 500, Deduct	-0.87	
			For >500, Deduct	-1.32	
06 05 23 00-0299	EA		1-3/8" Wide x 12" Long, 12 Gauge, Galvanized Strap Tie (Simpson Strong Tie® HRS12).....	9.55	
			For >10 To 50, Deduct	-0.08	
			For >50 To 100, Deduct	-0.32	
			For >100 To 250, Deduct	-0.64	
			For >250 To 500, Deduct	-1.12	
			For >500, Deduct	-1.69	

06 Wood, Plastics, and Composites**06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

06 05 23 00-0300	EA	2-1/16" Wide x 27" Long, 12 Gauge, Galvanized Medium Strap Tie (Simpson Strong Tie® MST27).....	14.11	
		For>10 To 50, Deduct	-0.10	
		For>50 To 100, Deduct	-0.45	
		For>100 To 250, Deduct	-0.90	
		For>250 To 500, Deduct	-1.54	
		For>500, Deduct	-2.30	
06 05 23 00-0301	EA	2-1/16" Wide x 37" Long, 12 Gauge, Galvanized Medium Strap Tie (Simpson Strong Tie® MST37).....	17.55	
		For>10 To 50, Deduct	-0.11	
		For>50 To 100, Deduct	-0.55	
		For>100 To 250, Deduct	-1.10	
		For>250 To 500, Deduct	-1.88	
		For>500, Deduct	-2.79	
06 05 23 00-0302	EA	2-1/16" Wide x 48" Long, 12 Gauge, Galvanized Medium Strap Tie (Simpson Strong Tie® MST48).....	25.80	
		For>10 To 50, Deduct	-0.13	
		For>50 To 100, Deduct	-0.77	
		For>100 To 250, Deduct	-1.55	
		For>250 To 500, Deduct	-2.58	
		For>500, Deduct	-3.76	
06 05 23 00-0303	EA	2-1/16" Wide x 60" Long, 12 Gauge, Galvanized Medium Strap Tie (Simpson Strong Tie® MST60).....	44.59	
		For>10 To 50, Deduct	-0.14	
		For>50 To 100, Deduct	-1.26	
		For>100 To 250, Deduct	-2.52	
		For>250 To 500, Deduct	-4.07	
		For>500, Deduct	-5.79	
06 05 23 00-0304	EA	2-1/16" Wide x 72" Long, 12 Gauge, Galvanized Medium Strap Tie (Simpson Strong Tie® MST72).....	57.37	
		For>10 To 50, Deduct	-0.16	
		For>50 To 100, Deduct	-1.59	
		For>100 To 250, Deduct	-3.19	
		For>250 To 500, Deduct	-5.11	
		For>500, Deduct	-7.21	
06 05 23 00-0305	EA	3" Wide x 28-1/4" Long, 16 Gauge, Galvanized Strap Ties (Simpson Strong Tie® MSTC28).....	16.75	
		For>10 To 50, Deduct	-0.10	
		For>50 To 100, Deduct	-0.52	
		For>100 To 250, Deduct	-1.03	
		For>250 To 500, Deduct	-1.74	
		For>500, Deduct	-2.56	
06 05 23 00-0306	EA	3" Wide x 40-1/4" Long, 16 Gauge, Galvanized Strap Ties (Simpson Strong Tie® MSTC40).....	21.57	
		For>10 To 50, Deduct	-0.11	
		For>50 To 100, Deduct	-0.65	
		For>100 To 250, Deduct	-1.30	
		For>250 To 500, Deduct	-2.18	
		For>500, Deduct	-3.19	
06 05 23 00-0307	EA	3" Wide x 52-1/4" Long, 16 Gauge, Galvanized Strap Ties (Simpson Strong Tie® MSTC52).....	25.17	
		For>10 To 50, Deduct	-0.13	
		For>50 To 100, Deduct	-0.76	
		For>100 To 250, Deduct	-1.52	
		For>250 To 500, Deduct	-2.53	
		For>500, Deduct	-3.70	
06 05 23 00-0308	EA	3" Wide x 66-1/4" Long, 16 Gauge, Galvanized Strap Ties (Simpson Strong Tie® MSTC66).....	38.10	
		For>10 To 50, Deduct	-0.14	
		For>50 To 100, Deduct	-1.10	
		For>100 To 250, Deduct	-2.19	
		For>250 To 500, Deduct	-3.58	
		For>500, Deduct	-5.14	

06 05 23 00-0309 Twist Strap Ties (06 05 23 00-0271)

06 05 23 00-0310	EA	1-1/4" Wide x 12" Long, 18 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® LTS12).....	4.22	
		For>10 To 50, Deduct	-0.06	
		For>50 To 100, Deduct	-0.17	
		For>100 To 250, Deduct	-0.34	
		For>250 To 500, Deduct	-0.64	
		For>500, Deduct	-1.01	
06 05 23 00-0311	EA	1-1/4" Wide x 16" Long, 18 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® LTS16).....	5.27	
		For>10 To 50, Deduct	-0.07	
		For>50 To 100, Deduct	-0.20	
		For>100 To 250, Deduct	-0.41	
		For>250 To 500, Deduct	-0.76	
		For>500, Deduct	-1.19	
06 05 23 00-0312	EA	1-1/4" Wide x 18" Long, 18 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® LTS18).....	6.06	
		For>10 To 50, Deduct	-0.08	
		For>50 To 100, Deduct	-0.23	
		For>100 To 250, Deduct	-0.46	
		For>250 To 500, Deduct	-0.86	
		For>500, Deduct	-1.34	
06 05 23 00-0313	EA	1-1/4" Wide x 20" Long, 18 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® LTS20).....	6.57	
		For>10 To 50, Deduct	-0.09	
		For>50 To 100, Deduct	-0.25	
		For>100 To 250, Deduct	-0.51	
		For>250 To 500, Deduct	-0.93	
		For>500, Deduct	-1.47	
06 05 23 00-0314	EA	1-1/4" Wide x 12" Long, 16 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® MTS12).....	4.17	
		For>10 To 50, Deduct	-0.06	
		For>50 To 100, Deduct	-0.17	
		For>100 To 250, Deduct	-0.34	
		For>250 To 500, Deduct	-0.63	
		For>500, Deduct	-1.01	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0315	EA	1-1/4" Wide x 16" Long, 16 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® MTS16).....	5.35	
		For >10 To 50, Deduct	-0.07	
		For >50 To 100, Deduct	-0.21	
		For >100 To 250, Deduct	-0.41	
		For >250 To 500, Deduct	-0.76	
		For >500, Deduct	-1.20	
06 05 23 00-0316	EA	1-1/4" Wide x 18" Long, 16 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® MTS18).....	6.20	
		For >10 To 50, Deduct	-0.08	
		For >50 To 100, Deduct	-0.24	
		For >100 To 250, Deduct	-0.47	
		For >250 To 500, Deduct	-0.87	
		For >500, Deduct	-1.36	
06 05 23 00-0317	EA	1-1/4" Wide x 20" Long, 16 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® MTS20).....	6.62	
		For >10 To 50, Deduct	-0.09	
		For >50 To 100, Deduct	-0.25	
		For >100 To 250, Deduct	-0.51	
		For >250 To 500, Deduct	-0.94	
		For >500, Deduct	-1.47	
06 05 23 00-0318	EA	1-1/4" Wide x 24" Long, 16 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® MTS24).....	8.95	
		For >10 To 50, Deduct	-0.10	
		For >50 To 100, Deduct	-0.32	
		For >100 To 250, Deduct	-0.64	
		For >250 To 500, Deduct	-1.15	
		For >500, Deduct	-1.78	
06 05 23 00-0319	EA	1-1/4" Wide x 16" Long, 14 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® HTS16).....	6.84	
		For >10 To 50, Deduct	-0.07	
		For >50 To 100, Deduct	-0.24	
		For >100 To 250, Deduct	-0.49	
		For >250 To 500, Deduct	-0.87	
		For >500, Deduct	-1.35	
06 05 23 00-0320	EA	1-1/4" Wide x 20" Long, 14 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® HTS20).....	8.19	
		For >10 To 50, Deduct	-0.09	
		For >50 To 100, Deduct	-0.29	
		For >100 To 250, Deduct	-0.59	
		For >250 To 500, Deduct	-1.06	
		For >500, Deduct	-1.63	
06 05 23 00-0321	EA	1-1/4" Wide x 24" Long, 14 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® HTS24).....	9.49	
		For >10 To 50, Deduct	-0.10	
		For >50 To 100, Deduct	-0.33	
		For >100 To 250, Deduct	-0.67	
		For >250 To 500, Deduct	-1.19	
		For >500, Deduct	-1.83	
06 05 23 00-0322		Retrofit Plate Strap (06 05 23 00-0271)		
06 05 23 00-0323	EA	1-3/8" Wide x 18-5/16" Long, 16 Gauge, Galvanized Retrofit Plate Strap (Simpson Strong Tie® RPS18).....	6.88	
		For >10 To 50, Deduct	-0.08	
		For >50 To 100, Deduct	-0.25	
		For >100 To 250, Deduct	-0.50	
		For >250 To 500, Deduct	-0.92	
		For >500, Deduct	-1.43	
06 05 23 00-0324	EA	1-3/8" Wide x 22-5/16" Long, 16 Gauge, Galvanized Retrofit Plate Strap (Simpson Strong Tie® RPS22).....	7.82	
		For >10 To 50, Deduct	-0.08	
		For >50 To 100, Deduct	-0.28	
		For >100 To 250, Deduct	-0.55	
		For >250 To 500, Deduct	-0.99	
		For >500, Deduct	-1.52	
06 05 23 00-0325	EA	1-3/8" Wide x 28-5/16" Long, 16 Gauge, Galvanized Retrofit Plate Strap (Simpson Strong Tie® RPS28).....	9.32	
		For >10 To 50, Deduct	-0.08	
		For >50 To 100, Deduct	-0.31	
		For >100 To 250, Deduct	-0.63	
		For >250 To 500, Deduct	-1.10	
		For >500, Deduct	-1.67	
06 05 23 00-0326		Stud Shoe (06 05 23 00-0271)		
06 05 23 00-0327	EA	6" High With 3-1/4" Wide Tabs For 2X Stud, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® SS1.5).....	11.59	
		For >10 To 50, Deduct	-0.10	
		For >50 To 100, Deduct	-0.39	
		For >100 To 250, Deduct	-0.77	
		For >250 To 500, Deduct	-1.35	
		For >500, Deduct	-2.04	
06 05 23 00-0328	EA	6" High With 3-1/4" Wide Tabs For 3X Stud, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® SS2.5).....	22.61	
		For >10 To 50, Deduct	-0.10	
		For >50 To 100, Deduct	-0.66	
		For >100 To 250, Deduct	-1.32	
		For >250 To 500, Deduct	-2.18	
		For >500, Deduct	-3.15	
06 05 23 00-0329	EA	6" High With 3-1/4" Wide Tabs For 2-2X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® SS3).....	22.71	
		For >10 To 50, Deduct	-0.10	
		For >50 To 100, Deduct	-0.66	
		For >100 To 250, Deduct	-1.33	
		For >250 To 500, Deduct	-2.18	
		For >500, Deduct	-3.16	
06 05 23 00-0330	EA	6" High With 3-1/4" Wide Tabs For 3-2X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® SS4.5).....	30.36	
		For >10 To 50, Deduct	-0.10	
		For >50 To 100, Deduct	-0.86	
		For >100 To 250, Deduct	-1.71	
		For >250 To 500, Deduct	-2.76	
		For >500, Deduct	-3.92	

06 Wood, Plastics, and Composites**06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

06 05 23 00-0331	EA	7-1/8" High With 3-1/4" Wide Tabs For 2X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® HSS2-SDS1.5).....	28.54	
		For >10 To 50, Deduct	-0.10	
		For >50 To 100, Deduct	-0.81	
		For >100 To 250, Deduct	-1.62	
		For >250 To 500, Deduct	-2.62	
		For >500, Deduct	-3.74	
06 05 23 00-0332	EA	7-1/8" High With 3-1/4" Wide Tabs For 2-2X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie HSS2-2-SDS3).....	30.90	
		For >10 To 50, Deduct	-0.10	
		For >50 To 100, Deduct	-0.87	
		For >100 To 250, Deduct	-1.74	
		For >250 To 500, Deduct	-2.80	
		For >500, Deduct	-3.98	
06 05 23 00-0333	EA	7-1/8" High With 3-1/4" Wide Tabs For 3-2X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® HSS2-3-SDS3).....	32.70	
		For >10 To 50, Deduct	-0.10	
		For >50 To 100, Deduct	-0.91	
		For >100 To 250, Deduct	-1.83	
		For >250 To 500, Deduct	-2.93	
		For >500, Deduct	-4.16	
06 05 23 00-0334	EA	7-1/8" High With 3-1/4" Wide Tabs For 4X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® HSS4-SDS3).....	49.31	
		For >10 To 50, Deduct	-0.10	
		For >50 To 100, Deduct	-1.33	
		For >100 To 250, Deduct	-2.66	
		For >250 To 500, Deduct	-4.18	
		For >500, Deduct	-5.82	

06 05 23 00-0335 Nail Stops (06 05 23 00-0271)

06 05 23 00-0336	EA	1-1/2" Wide x 3" Long, 16 Gauge, Galvanized Nail Stops (Simpson Strong Tie® NS1).....	3.36	
		For >10 To 50, Deduct	-0.06	
		For >50 To 100, Deduct	-0.15	
		For >100 To 250, Deduct	-0.30	
		For >250 To 500, Deduct	-0.57	
		For >500, Deduct	-0.92	
06 05 23 00-0337	EA	1-1/2" Wide x 6" Long, 16 Gauge, Galvanized Nail Stops (Simpson Strong Tie® NS2).....	3.52	
		For >10 To 50, Deduct	-0.06	
		For >50 To 100, Deduct	-0.15	
		For >100 To 250, Deduct	-0.30	
		For >250 To 500, Deduct	-0.58	
		For >500, Deduct	-0.94	

06 05 73 Wood Treatment (06 05)**06 05 73 13 Fire-Retardant Wood Treatment** (06 05 73)

06 05 73 13-0001 Preservative Treated Lumber (06 05 73 13)

06 05 73 13-0002 Fire Retardant Treatment (FRT) For Lumber (06 05 73 13-0001)

06 05 73 13-0003	MBF	Fire Retardant Treatment (FRT) For Lumber.....	794.65	
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06 05 73 33 Preservative Wood Treatment (06 05 73)

06 05 73 33-0001 Preservative Treatment For Marine And Fresh Water Uses (06 05 73 33)

06 05 73 33-0002	MBF	Preservative Treatment For Marine And Fresh Water Lumber	146.32	
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06 10 Rough Carpentry (06)**06 11 Wood Framing** (06 10)

Note: All framing lumber is grade #2 or better unless otherwise listed. Dimensions are nominal. See CSI section 06 05 23 00-0000 for anchors and supports.

06 11 13 Engineered Wood Products (06 11)

Note: All framing lumber is grade #2 or better unless otherwise listed. Dimensions are nominal.

06 11 13 00-0001 Built-Up Members (06 11 13)

Note: A structural framing member made from fastening separate pieces of lumber together.

06 11 13 00-0002 Built-Up Beams Or Joists (06 11 13 00-0001)

06 11 13 00-0003	LF	Two 2" x 6" Built-up Wood Beam Or Joist.....	5.16	2.20
		For Each Additional 2" x_ " In The Built Up Member, Add	0.90	
06 11 13 00-0004	LF	Two 2" x 8" Built-up Wood Beam Or Joist.....	6.43	2.59
		For Each Additional 2" x_ " In The Built Up Member, Add	1.28	
06 11 13 00-0005	LF	Two 2" x 10" Built-up Wood Beam Or Joist.....	8.21	3.10
		For Each Additional 2" x_ " In The Built Up Member, Add	1.78	

06 11 13 00-0006 Built-Up Posts (06 11 13 00-0001)

06 11 13 00-0007	LF	Two 2" x 6" Built-up Wood Post.....	5.16	2.20
		For Each Additional 2" x_ " In The Built Up Member, Add	0.90	
06 11 13 00-0008	LF	Two 2" x 8" Built-up Wood Post.....	6.43	2.59
		For Each Additional 2" x_ " In The Built Up Member, Add	1.28	
06 11 13 00-0009	LF	Two 2" x 10" Built-up Wood Post.....	8.21	3.10
		For Each Additional 2" x_ " In The Built Up Member, Add	1.78	

06 11 16 Mechanically Graded Lumber (06 11)

06 11 16 00-0001 Rafters And Joists (06 11 16)

06 11 16 00-0002 Rafters (06 11 16 00-0001)

Note: An inclined roof framing member to which a roof covering is attached.

06 11 16 00-0003	LF	2" x 6" Wood Rafter	2.97	1.55
06 11 16 00-0004	LF	2" x 8" Wood Rafter	3.47	1.68
06 11 16 00-0005	LF	2" x 10" Wood Rafter	5.00	2.45
06 11 16 00-0006	LF	2" x 12" Wood Rafter	5.77	2.72
06 11 16 00-0007	LF	2" x 14" Wood Rafter	6.26	2.97
06 11 16 00-0008	LF	2" x 6" Pressure Treated Wood Rafter	3.26	1.55
06 11 16 00-0009	LF	2" x 8" Pressure Treated Wood Rafter	3.87	1.68
06 11 16 00-0010	LF	2" x 10" Pressure Treated Wood Rafter	5.29	2.45
06 11 16 00-0011	LF	2" x 12" Pressure Treated Wood Rafter	6.31	2.72

06 11 16 00-0012 Joists (06 11 16 00-0001)

Note: A series of parallel beams to support floors or ceilings.

06 11 16 00-0013	LF	2" x 6" Wood Floor Joist	2.58	1.29
06 11 16 00-0014	LF	2" x 8" Wood Floor Joist	3.21	1.42
06 11 16 00-0015	LF	2" x 10" Wood Floor Joist	4.09	1.81
06 11 16 00-0016	LF	2" x 12" Wood Floor Joist	4.87	2.07
06 11 16 00-0017	LF	2" x 14" Wood Floor Joist	5.35	2.20
06 11 16 00-0018	LF	2" x 6" Pressure Treated Wood Floor Joist	2.87	1.29
06 11 16 00-0019	LF	2" x 8" Pressure Treated Wood Floor Joist	3.61	1.42
06 11 16 00-0020	LF	2" x 10" Pressure Treated Wood Floor Joist	4.38	1.81
06 11 16 00-0021	LF	2" x 12" Pressure Treated Wood Floor Joist	5.41	2.07

06 11 16 00-0022 Purlins (06 11 16 00-0001)

Note: A horizontal structural member in a roof, supporting the loads from the roof deck or sheathing.

06 11 16 00-0023	LF	2" x 4" Wood Purlin	2.09	0.77
06 11 16 00-0024	LF	2" x 6" Wood Purlin	2.60	0.85
06 11 16 00-0025	LF	2" x 8" Wood Purlin	3.15	0.94
06 11 16 00-0026	LF	2" x 10" Wood Purlin	3.84	1.03
06 11 16 00-0027	LF	2" x 4" Pressure Treated Wood Purlin	2.26	0.77
06 11 16 00-0028	LF	2" x 6" Pressure Treated Wood Purlin	2.89	0.85
06 11 16 00-0029	LF	2" x 8" Pressure Treated Wood Purlin	3.55	0.94
06 11 16 00-0030	LF	2" x 10" Pressure Treated Wood Purlin	4.13	1.03

06 11 16 00-0031 Exposed Rafters Or Joists (06 11 16 00-0001)

06 11 16 00-0032 Redwood Rafters Or Joists (06 11 16 00-0031)

06 11 16 00-0033	LF	2" x 6" Redwood Rafter Or Joist	3.90	1.29
06 11 16 00-0034	LF	2" x 8" Redwood Rafter Or Joist	4.75	1.42
06 11 16 00-0035	LF	2" x 10" Redwood Rafter Or Joist	5.91	1.81
06 11 16 00-0036	LF	2" x 12" Redwood Rafter Or Joist	7.17	2.07

06 11 16 00-0037 Cedar Rafters Or Joists (06 11 16 00-0031)

06 11 16 00-0038	LF	2" x 6" Cedar Rafter Or Joist	2.59	1.29
06 11 16 00-0039	LF	2" x 8" Cedar Rafter Or Joist	2.91	1.42
06 11 16 00-0040	LF	2" x 10" Cedar Rafter Or Joist	3.35	1.81
06 11 16 00-0041	LF	2" x 12" Cedar Rafter Or Joist	3.81	2.07

06 11 16 00-0042 Oak Rafters Or Joists (06 11 16 00-0031)

06 11 16 00-0043	LF	2" x 6" Oak Rafter Or Joist	3.13	1.29
06 11 16 00-0044	LF	2" x 8" Oak Rafter Or Joist	4.27	1.42
06 11 16 00-0045	LF	2" x 10" Oak Rafter Or Joist	5.53	1.81
06 11 16 00-0046	LF	2" x 12" Oak Rafter Or Joist	6.81	2.07

06 11 16 00-0047 Framing (06 11 16)

06 11 16 00-0048 Partition Framing (06 11 16 00-0047)

06 11 16 00-0049	LF	2" x 4" Wood Stud Framing, For Partition Walls	2.03	1.03
06 11 16 00-0050	LF	2" x 6" Wood Stud Framing, For Partition Walls	2.45	1.10
06 11 16 00-0051	LF	2" x 8" Wood Stud Framing, For Partition Walls	2.88	1.17
06 11 16 00-0052	LF	2" x 4" Pressure Treated Wood Stud Framing, For Partition Walls	2.20	1.03
06 11 16 00-0053	LF	2" x 6" Pressure Treated Wood Stud Framing, For Partition Walls	2.74	1.10
06 11 16 00-0054	LF	2" x 8" Pressure Treated Wood Stud Framing, For Partition Walls	3.28	1.17

06 11 16 00-0055 Wall Framing Assemblies By The SF (06 11 16 00-0047)

Note: Includes single bottom and double top plates, center support bracing, vertical studs and appropriate fastening devices. Excludes blocking for wall mounted fixtures or cabinets. Per SF of wall area measures one side. Do not deduct for openings of less than 25 SF when calculating total wall square footage.

06 11 16 00-0056 Wall Framing By The SF, 12" On Center (06 11 16 00-0055)

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 11 Wood Framing**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
06 11 16 00-0057	SF 2" x 4" At 12" On Center, Wood Wall Framing Assembly..... <i>For Up To 200, Add</i> <i>For >200 To 500, Add</i>	2.62 0.89 0.45		1.25	
06 11 16 00-0058	SF 2" x 6" At 12" On Center, Wood Wall Framing Assembly..... <i>For Up To 200, Add</i> <i>For >200 To 500, Add</i>	3.52 1.18 0.59		1.60	
06 11 16 00-0059	SF 2" x 8" At 12" On Center, Wood Wall Framing Assembly..... <i>For Up To 200, Add</i> <i>For >200 To 500, Add</i>	4.69 1.57 0.78		2.14	
06 11 16 00-0060	Wall Framing By The SF, 16" On Center (06 11 16 00-0055)				
06 11 16 00-0061	SF 2" x 4" At 16" On Center, Wood Wall Framing Assembly..... <i>For Up To 200, Add</i> <i>For >200 To 500, Add</i>	2.13 0.72 0.36		1.00	
06 11 16 00-0062	SF 2" x 6" At 16" On Center, Wood Wall Framing Assembly..... <i>For Up To 200, Add</i> <i>For >200 To 500, Add</i>	2.92 0.98 0.49		1.34	
06 11 16 00-0063	SF 2" x 8" At 16" On Center, Wood Wall Framing Assembly..... <i>For Up To 200, Add</i> <i>For >200 To 500, Add</i>	3.91 1.31 0.65		1.78	
06 11 16 00-0064	Wall Framing By The SF, 24" On Center (06 11 16 00-0055)				
06 11 16 00-0065	SF 2" x 4" At 24" On Center, Wood Wall Framing Assembly..... <i>For Up To 200, Add</i> <i>For >200 To 500, Add</i>	1.68 0.57 0.29		0.79	
06 11 16 00-0066	SF 2" x 6" At 24" On Center, Wood Wall Framing Assembly..... <i>For Up To 200, Add</i> <i>For >200 To 500, Add</i>	2.29 0.76 0.38		1.03	
06 11 16 00-0067	SF 2" x 8" At 24" On Center, Wood Wall Framing Assembly..... <i>For Up To 200, Add</i> <i>For >200 To 500, Add</i>	3.06 1.02 0.51		1.39	
06 11 16 00-0068	Sills And Plates (06 11 16)				
06 11 16 00-0069	Sills (06 11 16 00-0068) Note: A horizontal member which rests on and is attached to the foundation.				
06 11 16 00-0070	LF 2" x 4" Wood Sill	3.44		1.94	
06 11 16 00-0071	LF 2" x 6" Wood Sill	4.13		2.20	
06 11 16 00-0072	LF 2" x 8" Wood Sill	4.92		2.45	
06 11 16 00-0073	LF 2" x 4" Pressure Treated Wood Sill.....	3.61		1.94	
06 11 16 00-0074	LF 2" x 6" Pressure Treated Wood Sill.....	4.42		2.20	
06 11 16 00-0075	LF 2" x 8" Pressure Treated Wood Sill.....	5.32		2.45	
06 11 16 00-0076	Plates (06 11 16 00-0068) Note: A horizontal member connecting and terminating studs, posts, joists, rafters, etc. such as the top and bottom plate on a stud framed partition wall.				
06 11 16 00-0077	LF 2" x 4" Wood Plate.....	3.44		1.94	
06 11 16 00-0078	LF 2" x 6" Wood Plate.....	4.13		2.20	
06 11 16 00-0079	LF 2" x 8" Wood Plate.....	4.89		2.45	
06 11 16 00-0080	LF 2" x 4" Pressure Treated Wood Plate	3.61		1.94	
06 11 16 00-0081	LF 2" x 6" Pressure Treated Wood Plate	4.42		2.20	
06 11 16 00-0082	LF 2" x 8" Pressure Treated Wood Plate	5.29		2.45	
06 11 16 00-0083	Sills And Plates From Redwood (06 11 16 00-0068)				
06 11 16 00-0084	Construction Grade/Rough (06 11 16 00-0083)				
06 11 16 00-0085	LF 2" x 6" Redwood, Construction Grade/Rough.....	6.58		2.20	
06 11 16 00-0086	LF 2" x 8" Redwood, Construction Grade/Rough.....	8.75		2.45	
06 11 16 00-0087	LF 2" x 10" Redwood, Construction Grade/Rough.....	10.64		2.72	
06 11 16 00-0088	LF 2" x 12" Redwood, Construction Grade/Rough.....	12.85		2.97	
06 11 16 00-0089	Con Heart/Smooth (06 11 16 00-0083)				
06 11 16 00-0090	LF 2" x 6" Redwood, Con Heart/Smooth.....	8.00		2.20	
06 11 16 00-0091	LF 2" x 8" Redwood, Con Heart/Smooth.....	10.89		2.45	
06 11 16 00-0092	LF 2" x 10" Redwood, Con Heart/Smooth.....	14.27		2.72	
06 11 16 00-0093	LF 2" x 12" Redwood, Con Heart/Smooth.....	17.15		2.97	
06 11 16 00-0094	Suspended Ceiling Framing (06 11 16)				
06 11 16 00-0095	LF 1" x 2" Wood Suspended Ceiling Framing.....	2.83		1.68	
06 11 16 00-0096	LF 1" x 3" Wood Suspended Ceiling Framing.....	3.09		1.81	
06 11 16 00-0097	LF 1" x 4" Wood Suspended Ceiling Framing.....	3.23		1.94	
06 11 16 00-0098	LF 2" x 2" Wood Suspended Ceiling Framing.....	3.33		1.94	
06 11 16 00-0099	LF 2" x 4" Wood Suspended Ceiling Framing.....	3.95		2.20	
06 11 16 00-0100	LF 1" x 2" Pressure Treated Wood Suspended Ceiling Framing	3.02		1.68	
06 11 16 00-0101	LF 1" x 3" Pressure Treated Wood Suspended Ceiling Framing	3.11		1.81	
06 11 16 00-0102	LF 1" x 4" Pressure Treated Wood Suspended Ceiling Framing	3.35		1.94	
06 11 16 00-0103	LF 2" x 2" Pressure Treated Wood Suspended Ceiling Framing	3.48		1.94	
06 11 16 00-0104	LF 2" x 4" Pressure Treated Wood Suspended Ceiling Framing	4.07		2.20	

06 11 16 00-0105	Posts And Girts (06 11 16)				
06 11 16 00-0106	Posts (06 11 16 00-0105)				
	Note: A vertical, upright framing member.				
06 11 16 00-0107	LF	4" x 4" Wood Post.....	5.01	2.45	
06 11 16 00-0108	LF	4" x 5" Wood Post.....	5.72	2.84	
06 11 16 00-0109	LF	4" x 6" Wood Post.....	6.31	3.10	
06 11 16 00-0110	LF	6" x 6" Wood Post.....	7.01	3.36	
06 11 16 00-0111	LF	8" x 8" Wood Post.....	7.72	3.49	
06 11 16 00-0112	LF	10" x 10" Wood Post.....	8.43	4.01	
06 11 16 00-0113	LF	4" x 4" Pressure Treated Wood Post.....	6.35	2.45	
06 11 16 00-0114	LF	3" x 6" Pressure Treated Wood Post.....	7.29	3.10	
06 11 16 00-0115	LF	4" x 6" Pressure Treated Wood Post.....	8.86	3.10	
06 11 16 00-0116	LF	6" x 6" Pressure Treated Wood Post.....	12.21	3.36	
06 11 16 00-0117	Girts (06 11 16 00-0105)				
	Note: A horizontal member at intermediate level between columns, studs, or posts.				
06 11 16 00-0118	LF	2" x 4" Wood Girt.....	2.40	0.93	
06 11 16 00-0119	LF	2" x 6" Wood Girt.....	2.94	1.02	
06 11 16 00-0120	LF	2" x 8" Wood Girt.....	3.52	1.13	
06 11 16 00-0121	LF	2" x 10" Wood Girt.....	4.26	1.24	
06 11 16 00-0122	LF	4" x 4" Wood Girt.....	4.86	1.86	
06 11 16 00-0123	LF	4" x 5" Wood Girt.....	5.58	2.09	
06 11 16 00-0124	LF	4" x 6" Wood Girt.....	6.28	2.32	
06 11 16 00-0125	LF	6" x 6" Wood Girt.....	6.98	2.56	
06 11 16 00-0126	LF	8" x 8" Wood Girt.....	7.70	2.79	
06 11 16 00-0127	LF	10" x 10" Wood Girt.....	8.41	3.03	
06 11 16 00-0128	LF	2" x 4" Pressure Treated Wood Girt.....	2.57	0.93	
06 11 16 00-0129	LF	2" x 6" Pressure Treated Wood Girt.....	3.23	1.02	
06 11 16 00-0130	LF	2" x 8" Pressure Treated Wood Girt.....	3.92	1.13	
06 11 16 00-0131	LF	2" x 10" Pressure Treated Wood Girt.....	4.55	1.24	
06 11 16 00-0132	LF	4" x 4" Pressure Treated Wood Girt.....	6.35	1.86	
06 11 16 00-0133	LF	3" x 6" Pressure Treated Wood Girt.....	7.29	2.32	
06 11 16 00-0134	LF	4" x 6" Pressure Treated Wood Girt.....	8.86	2.32	
06 11 16 00-0135	LF	6" x 6" Pressure Treated Wood Girt.....	12.21	2.56	
06 11 16 00-0136	Construction Grade/Rough Redwood Posts (06 11 16 00-0105)				
06 11 16 00-0137	LF	4" x 4" Redwood, Construction Grade/Rough Post.....	10.18	2.45	
		For Smooth "Clear", Add.....	1.29		
06 11 16 00-0138	LF	4" x 5" Redwood, Construction Grade/Rough Post.....	12.25	2.84	
		For Smooth "Clear", Add.....	1.61		
06 11 16 00-0139	LF	4" x 6" Redwood, Construction Grade/Rough Post.....	14.37	3.10	
		For Smooth "Clear", Add.....	1.94		
06 11 16 00-0140	LF	4" x 8" Redwood, Construction Grade/Rough Post.....	17.81	3.20	
		For Smooth "Clear", Add.....	2.59		
06 11 16 00-0141	LF	4" x 10" Redwood, Construction Grade/Rough Post.....	21.34	3.40	
		For Smooth "Clear", Add.....	3.24		
06 11 16 00-0142	LF	6" x 6" Redwood, Construction Grade/Rough Post.....	19.69	3.36	
		For Smooth "Clear", Add.....	2.91		
06 11 16 00-0143	LF	6" x 8" Redwood, Construction Grade/Rough Post.....	24.75	3.49	
		For Smooth "Clear", Add.....	3.89		
06 11 16 00-0144	LF	6" x 10" Redwood, Construction Grade/Rough Post.....	29.75	3.28	
		For Smooth "Clear", Add.....	4.86		
06 11 16 00-0145	LF	8" x 8" Redwood, Construction Grade/Rough Post.....	31.50	3.49	
		For Smooth "Clear", Add.....	5.18		
06 11 16 00-0146	Stair Stringers (06 11 16)				
06 11 16 00-0147	LF	2" x 10" Wood Stair Stringer.....	9.49	5.17	
06 11 16 00-0148	LF	2" x 12" Wood Stair Stringer.....	11.22	6.08	
06 11 16 00-0149	LF	2" x 10" Pressure Treated Wood Stair Stringer.....	9.81	5.17	
06 11 16 00-0150	LF	2" x 12" Pressure Treated Wood Stair Stringer.....	11.74	6.08	
06 11 16 00-0151	Blocking And Sleepers (06 11 16)				
06 11 16 00-0152	Blocking (06 11 16 00-0151)				
06 11 16 00-0153	Blocking To Wood (06 11 16 00-0152)				
06 11 16 00-0154	LF	2" x 4" Pressure Treated Wood Blocking To Wood.....	7.24	3.10	
06 11 16 00-0155	LF	2" x 6" Pressure Treated Wood Blocking To Wood.....	8.54	3.42	
06 11 16 00-0156	LF	2" x 8" Pressure Treated Wood Blocking To Wood.....	9.72	3.75	
06 11 16 00-0157	LF	4" x 4" Pressure Treated Wood Blocking To Wood.....	11.23	4.13	
06 11 16 00-0158	LF	4" x 6" Pressure Treated Wood Blocking To Wood.....	13.50	4.54	
06 11 16 00-0159	LF	2" x 4" Wood Blocking To Wood.....	6.75	3.10	
06 11 16 00-0160	LF	2" x 6" Wood Blocking To Wood.....	7.73	3.42	
06 11 16 00-0161	LF	2" x 8" Wood Blocking To Wood.....	8.78	3.75	
06 11 16 00-0162	LF	4" x 4" Wood Blocking To Wood.....	9.56	4.13	
06 11 16 00-0163	LF	4" x 6" Wood Blocking To Wood.....	10.74	4.54	
06 11 16 00-0164	Blocking To Steel (06 11 16 00-0152)				
06 11 16 00-0165	LF	2" x 4" Pressure Treated Wood Blocking To Steel.....	8.27	3.57	
06 11 16 00-0166	LF	2" x 6" Pressure Treated Wood Blocking To Steel.....	9.74	3.93	

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 11 Wood Framing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

06 11 16 00-0167	LF	2" x 8" Pressure Treated Wood Blocking To Steel.....	11.07	4.32
06 11 16 00-0168	LF	2" x 4" Wood Blocking To Steel	7.73	3.57
06 11 16 00-0169	LF	2" x 6" Wood Blocking To Steel	8.85	3.93
06 11 16 00-0170	LF	2" x 8" Wood Blocking To Steel	10.04	4.32

06 11 16 00-0171 Blocking To Concrete (06 11 16 00-0152)

06 11 16 00-0172	LF	2" x 4" Pressure Treated Wood Blocking To Concrete	8.27	3.57
06 11 16 00-0173	LF	2" x 6" Pressure Treated Wood Blocking To Concrete	9.74	3.93
06 11 16 00-0174	LF	2" x 8" Pressure Treated Wood Blocking To Concrete	11.07	4.32
06 11 16 00-0175	LF	2" x 4" Wood Blocking To Concrete	7.73	3.57
06 11 16 00-0176	LF	2" x 6" Wood Blocking To Concrete	8.85	3.93
06 11 16 00-0177	LF	2" x 8" Wood Blocking To Concrete	10.04	4.32

06 11 16 00-0178 Pressure Treated Lattice (06 11 16 00-0151)

06 11 16 00-0179	SF	3/4" Thick Pressure Treated Wood Lattice	7.62	2.72
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06 11 16 00-0180 Sleepers (06 11 16 00-0151)**06 11 16 00-0181 Sleepers To Wood** (06 11 16 00-0180)

06 11 16 00-0182	LF	1" x 2" Pressure Treated Wood Sleeper On Wood	1.33	0.46
06 11 16 00-0183	LF	1" x 3" Pressure Treated Wood Sleeper On Wood	1.42	0.52
06 11 16 00-0184	LF	1" x 4" Pressure Treated Wood Sleeper On Wood	1.68	0.58
06 11 16 00-0185	LF	2" x 4" Pressure Treated Wood Sleeper On Wood	2.45	0.71
06 11 16 00-0186	LF	2" x 6" Pressure Treated Wood Sleeper On Wood	3.26	0.78

06 11 16 00-0187 Sleepers To Concrete (06 11 16 00-0180)

06 11 16 00-0188	LF	1" x 2" Pressure Treated Wood Sleeper On Concrete	1.37	0.46
06 11 16 00-0189	LF	1" x 3" Pressure Treated Wood Sleeper On Concrete	1.45	0.52
06 11 16 00-0190	LF	1" x 4" Pressure Treated Wood Sleeper On Concrete	1.74	0.58
06 11 16 00-0191	LF	2" x 4" Pressure Treated Wood Sleeper On Concrete	2.55	0.71
06 11 16 00-0192	LF	2" x 6" Pressure Treated Wood Sleeper On Concrete	3.43	0.78

06 11 16 00-0193 Roofing Nailers (06 11 16)

06 11 16 00-0194	LF	2" x 4" Pressure Treated Lumber, For Roofing Nailers	3.68	1.03
06 11 16 00-0195	LF	2" x 6" Pressure Treated Lumber, For Roofing Nailers	4.29	1.10
06 11 16 00-0196	LF	2" x 8" Pressure Treated Lumber, For Roofing Nailers	4.90	1.17

06 11 16 00-0197 Roofing Sleepers (06 11 16)

06 11 16 00-0198	LF	2" x 4" Pressure Treated Lumber, For Roofing Sleepers	1.68	
06 11 16 00-0199	LF	4" x 4" Pressure Treated Lumber, For Roofing Sleepers	4.52	
06 11 16 00-0200	LF	4" x 6" Pressure Treated Lumber, For Roofing Sleepers	6.52	
06 11 16 00-0201	LF	6" x 6" Pressure Treated Lumber, For Roofing Sleepers	9.68	

06 11 16 00-0202 Canopy Framing, Bridging, And Furring (06 11 16)**06 11 16 00-0203 Wood And Steel Bridging** (06 11 16 00-0202)**06 11 16 00-0204 Wood Bridging** (06 11 16 00-0203)

06 11 16 00-0205	EA	1 Pair Wood Bridging, 1" x 3" Cross Type	10.43	4.53
Note: For joists spaced at 16" on center.				
06 11 16 00-0206	EA	1 Pair Wood Bridging, 2" x 3" Cross Type	10.72	4.53
Note: For joists spaced at 16" on center.				

06 11 16 00-0207 Steel Bridging (06 11 16 00-0203)

06 11 16 00-0208	EA	1 Pair Steel Bridging, Wood Joists At 16" On Center	13.00	4.53
06 11 16 00-0209	EA	1 Pair Steel Bridging, Wood Joists At 24" On Center	12.96	4.53

06 11 16 00-0210 Light Framing, Trim And Furring (06 11 16 00-0202)**06 11 16 00-0211 Pine/Spruce/Fir Light Framing, Trim And Furring** (06 11 16 00-0210)

Note: S4S board, select grade 1

06 11 16 00-0212	LF	1" x 1" Pine/Spruce/Fir Light Framing, Trim And Furring	2.29	1.06
06 11 16 00-0213	LF	1" x 2" Pine/Spruce/Fir Light Framing, Trim And Furring	2.56	1.17
06 11 16 00-0214	LF	1" x 4" Pine/Spruce/Fir Light Framing, Trim And Furring	2.95	1.28
06 11 16 00-0215	LF	1" x 6" Pine/Spruce/Fir Light Framing, Trim And Furring	3.29	1.41
06 11 16 00-0216	LF	1" x 8" Pine/Spruce/Fir Light Framing, Trim And Furring	3.65	1.55
06 11 16 00-0217	LF	1" x 10" Pine/Spruce/Fir Light Framing, Trim And Furring	4.03	1.70
06 11 16 00-0218	LF	2" x 2" Pine/Spruce/Fir Light Framing, Trim And Furring	3.31	1.41
06 11 16 00-0219	LF	2" x 4" Pine/Spruce/Fir Light Framing, Trim And Furring	3.69	1.55
06 11 16 00-0220	LF	2" x 6" Pine/Spruce/Fir Light Framing, Trim And Furring	4.31	1.70
06 11 16 00-0221	LF	2" x 8" Pine/Spruce/Fir Light Framing, Trim And Furring	5.01	1.88
06 11 16 00-0222	LF	2" x 10" Pine/Spruce/Fir Light Framing, Trim And Furring	5.89	2.07

06 11 16 00-0223 Cedar Light Framing, Trim And Furring (06 11 16 00-0210)

Note: S4S board, select grade 1

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0224	LF		1" x 1" Cedar Light Framing, Trim And Furring	2.32	1.06
06 11 16 00-0225	LF		1" x 2" Cedar Light Framing, Trim And Furring	2.71	1.17
06 11 16 00-0226	LF		1" x 4" Cedar Light Framing, Trim And Furring	3.53	1.28
06 11 16 00-0227	LF		1" x 6" Cedar Light Framing, Trim And Furring	4.27	1.41
06 11 16 00-0228	LF		1" x 8" Cedar Light Framing, Trim And Furring	6.23	1.55
06 11 16 00-0229	LF		1" x 10" Cedar Light Framing, Trim And Furring	7.32	1.70
06 11 16 00-0230	LF		2" x 2" Cedar Light Framing, Trim And Furring	3.68	1.41
06 11 16 00-0231	LF		2" x 4" Cedar Light Framing, Trim And Furring	4.25	1.55
06 11 16 00-0232 Oak Light Framing, Trim And Furring (06 11 16 00-0210)					
Note: S4S board, select grade 1					
06 11 16 00-0233	LF		1" x 1" Oak Light Framing, Trim And Furring	2.33	1.06
06 11 16 00-0234	LF		1" x 2" Oak Light Framing, Trim And Furring	2.73	1.17
06 11 16 00-0235	LF		1" x 4" Oak Light Framing, Trim And Furring	3.38	1.28
06 11 16 00-0236	LF		1" x 6" Oak Light Framing, Trim And Furring	4.06	1.41
06 11 16 00-0237	LF		1" x 8" Oak Light Framing, Trim And Furring	4.75	1.55
06 11 16 00-0238	LF		1" x 10" Oak Light Framing, Trim And Furring	5.47	1.70
06 11 16 00-0239	LF		2" x 2" Oak Light Framing, Trim And Furring	3.65	1.41
06 11 16 00-0240	LF		2" x 4" Oak Light Framing, Trim And Furring	4.75	1.55
06 11 16 00-0241 Redwood Light Framing, Trim And Furring (06 11 16 00-0210)					
Note: S4S board, select grade 1					
06 11 16 00-0242	LF		1" x 1" Redwood Light Framing, Trim And Furring	2.26	1.06
06 11 16 00-0243	LF		1" x 2" Redwood Light Framing, Trim And Furring	2.62	1.17
06 11 16 00-0244	LF		1" x 4" Redwood Light Framing, Trim And Furring	3.19	1.28
06 11 16 00-0245	LF		1" x 6" Redwood Light Framing, Trim And Furring	3.81	1.41
06 11 16 00-0246	LF		1" x 8" Redwood Light Framing, Trim And Furring	4.49	1.55
06 11 16 00-0247	LF		1" x 10" Redwood Light Framing, Trim And Furring	5.24	1.70
06 11 16 00-0248	LF		2" x 2" Redwood Light Framing, Trim And Furring	3.83	1.41
06 11 16 00-0249	LF		2" x 4" Redwood Light Framing, Trim And Furring	4.52	1.55
06 11 16 00-0250 Poplar Light Framing, Trim And Furring (06 11 16 00-0210)					
Note: S4S board, select grade 1					
06 11 16 00-0251	LF		1" x 1" Poplar Light Framing, Trim And Furring	2.61	1.06
06 11 16 00-0252	LF		1" x 2" Poplar Light Framing, Trim And Furring	3.17	1.17
06 11 16 00-0253	LF		1" x 4" Poplar Light Framing, Trim And Furring	3.96	1.28
06 11 16 00-0254	LF		1" x 6" Poplar Light Framing, Trim And Furring	5.00	1.41
06 11 16 00-0255	LF		1" x 8" Poplar Light Framing, Trim And Furring	5.80	1.55
06 11 16 00-0256	LF		1" x 10" Poplar Light Framing, Trim And Furring	7.58	1.70
06 11 16 00-0257	LF		1" x 12" Poplar Light Framing, Trim And Furring	8.17	1.70
06 11 16 00-0258	LF		2" x 2" Poplar Light Framing, Trim And Furring	6.48	1.41
06 11 16 00-0259	LF		2" x 4" Poplar Light Framing, Trim And Furring	7.26	1.55
06 11 16 00-0260	LF		2" x 6" Poplar Light Framing, Trim And Furring	9.65	1.70
06 11 16 00-0261 Maple Light Framing, Trim And Furring (06 11 16 00-0210)					
Note: S4S board, select grade 1					
06 11 16 00-0262	LF		1" x 4" Maple Light Framing, Trim And Furring	4.89	1.28
06 11 16 00-0263	LF		1" x 6" Maple Light Framing, Trim And Furring	6.44	1.41
06 11 16 00-0264	LF		1" x 8" Maple Light Framing, Trim And Furring	8.03	1.55
06 13 Heavy Timber Construction (06 10)					
06 13 23 Heavy Timber Framing (06 13)					
06 13 23 00-0001 Heavy Timber Framing (06 13 23)					
Note: Excludes fasteners. See CSI section 06 05 23 00-0093 for bolts and fasteners.					
06 13 23 00-0002 Heavy Timber Beams (06 13 23 00-0001)					
06 13 23 00-0003 Pine, Heavy Timber Beams (06 13 23 00-0002)					
06 13 23 00-0004	LF		4" x 4", Pine, Heavy Timber Beam	6.89	2.29
06 13 23 00-0005	LF		4" x 6", Pine, Heavy Timber Beam	8.22	2.39
06 13 23 00-0006	LF		4" x 8", Pine, Heavy Timber Beam	9.56	2.49
06 13 23 00-0007	LF		4" x 10", Pine, Heavy Timber Beam	12.27	2.65
06 13 23 00-0008	LF		4" x 12", Pine, Heavy Timber Beam	14.49	2.81
06 13 23 00-0009	LF		6" x 6", Pine, Heavy Timber Beam	10.29	2.59
06 13 23 00-0010	LF		6" x 8", Pine, Heavy Timber Beam	12.24	2.72
06 13 23 00-0011	LF		6" x 10", Pine, Heavy Timber Beam	16.27	2.91
06 13 23 00-0012	LF		6" x 12", Pine, Heavy Timber Beam	19.23	2.97
06 13 23 00-0013	LF		8" x 8", Pine, Heavy Timber Beam	14.80	2.81
06 13 23 00-0014	LF		8" x 10", Pine, Heavy Timber Beam	19.76	2.91
06 13 23 00-0015	LF		8" x 12", Pine, Heavy Timber Beam	23.77	2.97
06 13 23 00-0016	LF		10" x 10", Pine, Heavy Timber Beam	23.50	2.97
06 13 23 00-0017	LF		10" x 12", Pine, Heavy Timber Beam	28.61	3.23
06 13 23 00-0018	LF		12" x 12", Pine, Heavy Timber Beam	33.69	3.55
06 13 23 00-0019 Douglas Fir, Heavy Timber Beams (06 13 23 00-0002)					
06 13 23 00-0020	LF		4" x 4", Douglas Fir, Heavy Timber Beam	7.12	2.29
06 13 23 00-0021	LF		4" x 6", Douglas Fir, Heavy Timber Beam	8.57	2.39
06 13 23 00-0022	LF		4" x 8", Douglas Fir, Heavy Timber Beam	10.03	2.49

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 13 Heavy Timber Construction**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

06 13 23 00-0023	LF	4" x 10", Douglas Fir, Heavy Timber Beam.....	12.97	2.65
06 13 23 00-0024	LF	4" x 12", Douglas Fir, Heavy Timber Beam.....	15.36	2.81
06 13 23 00-0025	LF	6" x 6", Douglas Fir, Heavy Timber Beam.....	10.80	2.59
06 13 23 00-0026	LF	6" x 8", Douglas Fir, Heavy Timber Beam.....	12.92	2.72
06 13 23 00-0027	LF	6" x 10", Douglas Fir, Heavy Timber Beam.....	17.31	2.91
06 13 23 00-0028	LF	6" x 12", Douglas Fir, Heavy Timber Beam.....	20.56	2.97
06 13 23 00-0029	LF	8" x 8", Douglas Fir, Heavy Timber Beam.....	15.72	2.81
06 13 23 00-0030	LF	8" x 10", Douglas Fir, Heavy Timber Beam.....	21.15	2.91
06 13 23 00-0031	LF	8" x 12", Douglas Fir, Heavy Timber Beam.....	25.54	2.97
06 13 23 00-0032	LF	10" x 10", Douglas Fir, Heavy Timber Beam.....	25.24	2.97
06 13 23 00-0033	LF	10" x 12", Douglas Fir, Heavy Timber Beam.....	30.81	3.23
06 13 23 00-0034	LF	12" x 12", Douglas Fir, Heavy Timber Beam.....	36.34	3.55

06 13 23 00-0035 Pressure Treated, Heavy Timber Beams (06 13 23 00-0002)

06 13 23 00-0036	LF	4" x 4", Pressure Treated, Heavy Timber Beam.....	7.23	2.29
06 13 23 00-0037	LF	4" x 6", Pressure Treated, Heavy Timber Beam.....	8.98	2.39
06 13 23 00-0038	LF	4" x 8", Pressure Treated, Heavy Timber Beam.....	10.52	2.49
06 13 23 00-0039	LF	4" x 10", Pressure Treated, Heavy Timber Beam.....	13.71	2.65
06 13 23 00-0040	LF	4" x 12", Pressure Treated, Heavy Timber Beam.....	16.30	2.81
06 13 23 00-0041	LF	6" x 6", Pressure Treated, Heavy Timber Beam.....	12.21	2.59
06 13 23 00-0042	LF	6" x 8", Pressure Treated, Heavy Timber Beam.....	14.84	2.72
06 13 23 00-0043	LF	6" x 10", Pressure Treated, Heavy Timber Beam.....	17.70	2.91
06 13 23 00-0044	LF	6" x 12", Pressure Treated, Heavy Timber Beam.....	21.55	2.97
06 13 23 00-0045	LF	8" x 8", Pressure Treated, Heavy Timber Beam.....	21.71	2.81
06 13 23 00-0046	LF	8" x 10", Pressure Treated, Heavy Timber Beam.....	25.12	2.91
06 13 23 00-0047	LF	8" x 12", Pressure Treated, Heavy Timber Beam.....	29.47	2.97
06 13 23 00-0048	LF	10" x 10", Pressure Treated, Heavy Timber Beam.....	29.60	2.97
06 13 23 00-0049	LF	10" x 12", Pressure Treated, Heavy Timber Beam.....	38.95	3.23
06 13 23 00-0050	LF	12" x 12", Pressure Treated, Heavy Timber Beam.....	46.11	3.55

06 13 23 00-0051 Heavy Timber Columns (06 13 23 00-0001)**06 13 23 00-0052 Pine, Heavy Timber Columns** (06 13 23 00-0051)

06 13 23 00-0053	LF	4" x 4", Pine, Heavy Timber Column.....	4.71	1.21
06 13 23 00-0054	LF	4" x 6", Pine, Heavy Timber Column.....	5.99	1.28
06 13 23 00-0055	LF	4" x 8", Pine, Heavy Timber Column.....	7.21	1.31
06 13 23 00-0056	LF	4" x 10", Pine, Heavy Timber Column.....	9.76	1.39
06 13 23 00-0057	LF	4" x 12", Pine, Heavy Timber Column.....	11.83	1.48
06 13 23 00-0058	LF	6" x 6", Pine, Heavy Timber Column.....	7.87	1.35
06 13 23 00-0059	LF	6" x 8", Pine, Heavy Timber Column.....	9.71	1.41
06 13 23 00-0060	LF	6" x 10", Pine, Heavy Timber Column.....	13.52	1.53
06 13 23 00-0061	LF	6" x 12", Pine, Heavy Timber Column.....	16.41	1.56
06 13 23 00-0062	LF	8" x 8", Pine, Heavy Timber Column.....	12.14	1.48
06 13 23 00-0063	LF	8" x 10", Pine, Heavy Timber Column.....	17.01	1.53
06 13 23 00-0064	LF	8" x 12", Pine, Heavy Timber Column.....	20.90	1.59
06 13 23 00-0065	LF	10" x 10", Pine, Heavy Timber Column.....	20.63	1.59
06 13 23 00-0066	LF	10" x 12", Pine, Heavy Timber Column.....	25.55	1.70
06 13 23 00-0067	LF	12" x 12", Pine, Heavy Timber Column.....	30.32	1.87

06 13 23 00-0068 Douglas Fir, Heavy Timber Columns (06 13 23 00-0051)

06 13 23 00-0069	LF	4" x 4", Douglas Fir, Heavy Timber Column.....	4.94	1.21
06 13 23 00-0070	LF	4" x 6", Douglas Fir, Heavy Timber Column.....	6.34	1.28
06 13 23 00-0071	LF	4" x 8", Douglas Fir, Heavy Timber Column.....	7.68	1.31
06 13 23 00-0072	LF	4" x 10", Douglas Fir, Heavy Timber Column.....	10.46	1.39
06 13 23 00-0073	LF	4" x 12", Douglas Fir, Heavy Timber Column.....	12.70	1.48
06 13 23 00-0074	LF	6" x 6", Douglas Fir, Heavy Timber Column.....	8.38	1.35
06 13 23 00-0075	LF	6" x 8", Douglas Fir, Heavy Timber Column.....	10.39	1.41
06 13 23 00-0076	LF	6" x 10", Douglas Fir, Heavy Timber Column.....	14.56	1.53
06 13 23 00-0077	LF	6" x 12", Douglas Fir, Heavy Timber Column.....	17.74	1.56
06 13 23 00-0078	LF	8" x 8", Douglas Fir, Heavy Timber Column.....	13.06	1.48
06 13 23 00-0079	LF	8" x 10", Douglas Fir, Heavy Timber Column.....	18.40	1.53
06 13 23 00-0080	LF	8" x 12", Douglas Fir, Heavy Timber Column.....	22.67	1.59
06 13 23 00-0081	LF	10" x 10", Douglas Fir, Heavy Timber Column.....	22.37	1.59
06 13 23 00-0082	LF	10" x 12", Douglas Fir, Heavy Timber Column.....	27.75	1.70
06 13 23 00-0083	LF	12" x 12", Douglas Fir, Heavy Timber Column.....	32.97	1.87

06 13 23 00-0084 Pressure Treated, Heavy Timber Columns (06 13 23 00-0051)

06 13 23 00-0085	LF	4" x 4", Pressure Treated, Heavy Timber Column.....	5.05	1.21
06 13 23 00-0086	LF	4" x 6", Pressure Treated, Heavy Timber Column.....	6.75	1.28
06 13 23 00-0087	LF	4" x 8", Pressure Treated, Heavy Timber Column.....	8.17	1.31
06 13 23 00-0088	LF	4" x 10", Pressure Treated, Heavy Timber Column.....	11.20	1.39
06 13 23 00-0089	LF	4" x 12", Pressure Treated, Heavy Timber Column.....	13.64	1.48
06 13 23 00-0090	LF	6" x 6", Pressure Treated, Heavy Timber Column.....	9.79	1.35
06 13 23 00-0091	LF	6" x 8", Pressure Treated, Heavy Timber Column.....	12.31	1.41
06 13 23 00-0092	LF	6" x 10", Pressure Treated, Heavy Timber Column.....	14.95	1.53
06 13 23 00-0093	LF	6" x 12", Pressure Treated, Heavy Timber Column.....	18.73	1.56
06 13 23 00-0094	LF	8" x 8", Pressure Treated, Heavy Timber Column.....	19.05	1.48
06 13 23 00-0095	LF	8" x 10", Pressure Treated, Heavy Timber Column.....	22.37	1.53
06 13 23 00-0096	LF	8" x 12", Pressure Treated, Heavy Timber Column.....	26.60	1.59
06 13 23 00-0097	LF	10" x 10", Pressure Treated, Heavy Timber Column.....	26.73	1.59
06 13 23 00-0098	LF	10" x 12", Pressure Treated, Heavy Timber Column.....	35.89	1.70

06 13 23 00-0099	LF	12" x 12", Pressure Treated, Heavy Timber Column	42.74	1.87
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06 15 Wood Decking (06 10)
06 15 13 Wood Floor Decking (06 15)
06 15 13 00-0001 Wood Deck Systems (06 15 13)

Note: Includes the deck, joists, girders, railing posts 8' on-center, pickets and railing. Excludes ground posts.

06 15 13 00-0002 Pressure Treated Wood Deck System (06 15 13 00-0001)
06 15 13 00-0003 2" x 8" Joists At 16" On Center, Pressure Treated Wood Deck System (06 15 13 00-0002)

06 15 13 00-0004	SF	5/4" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	40.73	7.90
06 15 13 00-0005	SF	5/4" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	39.43	7.52
06 15 13 00-0006	SF	2" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	42.26	8.11
06 15 13 00-0007	SF	2" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	40.96	7.70

06 15 13 00-0008 2" x 10" Joists At 16" On Center, Pressure Treated Wood Deck System (06 15 13 00-0002)

06 15 13 00-0009	SF	5/4" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	42.11	8.11
06 15 13 00-0010	SF	5/4" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	40.76	7.69
06 15 13 00-0011	SF	2" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	43.66	8.31
06 15 13 00-0012	SF	2" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center	42.34	7.89

06 15 13 00-0013 2" x 10" Joists At 24" On Center, Pressure Treated Wood Deck System (06 15 13 00-0002)

06 15 13 00-0014	SF	5/4" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	40.73	7.90
06 15 13 00-0015	SF	5/4" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	39.43	7.52
06 15 13 00-0016	SF	2" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	42.26	8.11
06 15 13 00-0017	SF	2" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	40.96	7.70

06 15 13 00-0018 Redwood With Pressure Treated Joists, Wood Deck System (06 15 13 00-0001)
06 15 13 00-0019 2" x 8" Joists At 16" On Center, Redwood With Pressure Treated Joists, Wood Deck System (06 15 13 00-0018)

06 15 13 00-0020	SF	5/4" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	43.48	7.90
06 15 13 00-0021	SF	5/4" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	42.30	7.79
06 15 13 00-0022	SF	2" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	45.71	8.11
06 15 13 00-0023	SF	2" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	44.21	7.70

06 15 13 00-0024 2" x 10" Joists At 16" On Center, Redwood With Pressure Treated Joists, Wood Deck System (06 15 13 00-0018)

06 15 13 00-0025	SF	5/4" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	46.42	8.11
06 15 13 00-0026	SF	5/4" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	45.20	7.69
06 15 13 00-0027	SF	2" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	48.82	8.31
06 15 13 00-0028	SF	2" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	47.32	7.89

06 15 13 00-0029 2" x 10" Joists At 24" On Center, Redwood With Pressure Treated Joists, Wood Deck System (06 15 13 00-0018)

06 15 13 00-0030	SF	5/4" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	44.59	7.90
06 15 13 00-0031	SF	5/4" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	43.41	7.52
06 15 13 00-0032	SF	2" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	46.87	8.11
06 15 13 00-0033	SF	2" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	46.27	7.70

06 15 13 00-0034 Wood Ramp Systems (06 15 13)

Note: Includes the decking, joists, girders, railing posts at corners and along ramp, pickets and railing. Excludes ground posts.

06 15 13 00-0035 Pressure Treated Wood Ramp System (06 15 13 00-0034)
06 15 13 00-0036 2" x 6" Joists, Pressure Treated Wood Ramp System (06 15 13 00-0035)

06 15 13 00-0037	SF	5/4" x 4" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	47.43	7.70
06 15 13 00-0038	SF	5/4" x 6" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	45.75	7.32
06 15 13 00-0039	SF	2" x 4" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	49.10	7.90
06 15 13 00-0040	SF	2" x 6" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	47.42	7.52

06 15 13 00-0041 2" x 8" Joists, Pressure Treated Wood Ramp System (06 15 13 00-0035)

06 15 13 00-0042	SF	5/4" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	48.93	7.90
06 15 13 00-0043	SF	5/4" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	47.23	7.52
06 15 13 00-0044	SF	2" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	50.67	8.11
06 15 13 00-0045	SF	2" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	48.95	7.70

06 15 13 00-0046 2" x 10" Joists, Pressure Treated Wood Ramp System (06 15 13 00-0035)

06 15 13 00-0047	SF	5/4" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	50.48	8.10
06 15 13 00-0048	SF	5/4" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	48.75	7.69
06 15 13 00-0049	SF	2" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	52.28	8.31
06 15 13 00-0050	SF	2" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	50.54	7.89

06	06	Wood, Plastics, and Composites
	06 10	Rough Carpentry
	06 15	Wood Decking



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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06 15 13 00-0051			Redwood With Pressure Treated Joists, Wood Ramp System (06 15 13 00-0034)		
06 15 13 00-0052			2" x 6" Joists, Redwood With Pressure Treated Joists, Wood Ramp System (06 15 13 00-0051)		
06 15 13 00-0053	SF		5/4" x 4" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System.....	50.01	7.70
06 15 13 00-0054	SF		5/4" x 6" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System.....	48.45	7.32
06 15 13 00-0055	SF		2" x 4" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System.....	52.34	7.90
06 15 13 00-0056	SF		2" x 6" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System.....	50.47	7.52
06 15 13 00-0057			2" x 8" Joists, Redwood With Pressure Treated Joists, Wood Ramp System (06 15 13 00-0051)		
06 15 13 00-0058	SF		5/4" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System.....	51.68	7.90
06 15 13 00-0059	SF		5/4" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System.....	50.10	7.52
06 15 13 00-0060	SF		2" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System.....	54.12	8.11
06 15 13 00-0061	SF		2" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System.....	52.20	7.70
06 15 13 00-0062			2" x 10" Joists, Redwood With Pressure Treated Joists, Wood Ramp System (06 15 13 00-0051)		
06 15 13 00-0063	SF		5/4" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System.....	54.81	8.10
06 15 13 00-0064	SF		5/4" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System.....	53.19	7.69
06 15 13 00-0065	SF		2" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System.....	57.45	8.31
06 15 13 00-0066	SF		2" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System.....	56.09	7.89
06 15 13 00-0067			Cedar With Pressure Treated Joists, Wood Ramp System (06 15 13 00-0034)		
06 15 13 00-0068			2" x 6" Joists, Cedar With Pressure Treated Joists, Wood Ramp System (06 15 13 00-0067)		
06 15 13 00-0069	SF		5/4" x 4" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System.....	48.34	7.70
06 15 13 00-0070	SF		5/4" x 6" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System.....	46.70	7.32
06 15 13 00-0071	SF		2" x 4" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System.....	50.09	7.90
06 15 13 00-0072	SF		2" x 6" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System.....	48.46	7.52
06 15 13 00-0073			2" x 8" Joists, Cedar With Pressure Treated Joists, Wood Ramp System (06 15 13 00-0067)		
06 15 13 00-0074	SF		5/4" x 4" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System.....	49.91	7.90
06 15 13 00-0075	SF		5/4" x 6" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System.....	48.24	7.52
06 15 13 00-0076	SF		2" x 4" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System.....	51.72	8.11
06 15 13 00-0077	SF		2" x 6" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System.....	50.06	7.70
06 15 13 00-0078			2" x 10" Joists, Cedar With Pressure Treated Joists, Wood Ramp System (06 15 13 00-0067)		
06 15 13 00-0079	SF		5/4" x 4" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System.....	51.54	8.10
06 15 13 00-0080	SF		5/4" x 6" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System.....	49.83	7.69
06 15 13 00-0081	SF		2" x 4" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System.....	53.41	8.31
06 15 13 00-0082	SF		2" x 6" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System.....	51.71	7.89
06 15 13 00-0083			Wood Stair Systems (06 15 13)		
			Note: Includes the decking, joists, girders, railing posts at corners and along stairs, pickets and railing. Excludes ground posts.		
06 15 13 00-0084			Pressure Treated Wood Stair System (06 15 13 00-0083)		
06 15 13 00-0085			2" x 10" Joists, Pressure Treated Wood Stair System (06 15 13 00-0084)		
06 15 13 00-0086	RSR		3' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	128.89	18.98
06 15 13 00-0087	RSR		3' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	125.75	18.03
06 15 13 00-0088	RSR		3' Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	132.88	19.46
06 15 13 00-0089	RSR		3' Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	129.10	18.49
06 15 13 00-0090	RSR		3'-6" Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	135.35	19.92
06 15 13 00-0091	RSR		3'-6" Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	132.04	18.93
06 15 13 00-0092	RSR		3'-6" Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	139.53	20.43
06 15 13 00-0093	RSR		3'-6" Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	135.55	19.42
06 15 13 00-0094	RSR		4' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	141.95	20.92
06 15 13 00-0095	RSR		4' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	138.48	19.87
06 15 13 00-0096	RSR		4' Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	146.34	21.46
06 15 13 00-0097	RSR		4' Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	142.15	20.38
06 15 13 00-0098	RSR		5' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	150.72	21.97
06 15 13 00-0099	RSR		5' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	147.18	20.86
06 15 13 00-0100	RSR		5' Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	155.41	22.53
06 15 13 00-0101	RSR		5' Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	151.08	21.41
06 15 13 00-0102			2" x 12" Joists, Pressure Treated Wood Stair System (06 15 13 00-0084)		
06 15 13 00-0103	RSR		3' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	131.65	19.45
06 15 13 00-0104	RSR		3' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	127.90	18.48
06 15 13 00-0105	RSR		3' Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	135.86	19.95
06 15 13 00-0106	RSR		3' Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	132.05	18.95
06 15 13 00-0107	RSR		3'-6" Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	138.23	20.42
06 15 13 00-0108	RSR		3'-6" Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	134.31	19.41
06 15 13 00-0109	RSR		3'-6" Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	142.65	20.95
06 15 13 00-0110	RSR		3'-6" Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	138.65	19.89

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 15 13 00-0111 RSR 4' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	145.00	21.44
06 15 13 00-0112 RSR 4' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	140.87	20.37
06 15 13 00-0113 RSR 4' Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	149.63	21.99
06 15 13 00-0114 RSR 4' Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	145.41	20.90
06 15 13 00-0115 RSR 5' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	153.94	22.52
06 15 13 00-0116 RSR 5' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	149.67	21.40
06 15 13 00-0117 RSR 5' Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	158.89	23.09
06 15 13 00-0118 RSR 5' Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	154.53	21.94
06 15 13 00-0119 Redwood With Pressure Treated Joists, Wood Stair System (06 15 13 00-0083)		
06 15 13 00-0120 2" x 10" Joists, Redwood With Pressure Treated Joists, Wood Stair System		
(06 15 13 00-0119)		
06 15 13 00-0121 RSR 3' Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	144.18	18.98
06 15 13 00-0122 RSR 3' Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	140.90	18.03
06 15 13 00-0123 RSR 3' Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	149.12	19.46
06 15 13 00-0124 RSR 3' Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	145.82	18.49
06 15 13 00-0125 RSR 3'-6" Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	151.40	19.92
06 15 13 00-0126 RSR 3'-6" Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	147.94	18.93
06 15 13 00-0127 RSR 3'-6" Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	156.58	20.43
06 15 13 00-0128 RSR 3'-6" Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	153.11	19.42
06 15 13 00-0129 RSR 4' Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	158.73	20.92
06 15 13 00-0130 RSR 4' Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	155.11	19.87
06 15 13 00-0131 RSR 4' Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	164.16	21.46
06 15 13 00-0132 RSR 4' Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	160.50	20.38
06 15 13 00-0133 RSR 5' Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	169.18	21.97
06 15 13 00-0134 RSR 5' Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	165.47	20.86
06 15 13 00-0135 RSR 5' Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	175.02	22.53
06 15 13 00-0136 RSR 5' Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	171.27	21.41
06 15 13 00-0137 2" x 12" Joists, Redwood With Pressure Treated Joists, Wood Stair System		
(06 15 13 00-0119)		
06 15 13 00-0138 RSR 3' Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	142.44	19.45
06 15 13 00-0139 RSR 3' Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	139.07	18.48
06 15 13 00-0140 RSR 3' Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	147.08	19.95
06 15 13 00-0141 RSR 3' Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	143.80	18.95
06 15 13 00-0142 RSR 3'-6" Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	149.56	20.42
06 15 13 00-0143 RSR 3'-6" Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	146.03	19.41
06 15 13 00-0144 RSR 3'-6" Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	154.44	20.95
06 15 13 00-0145 RSR 3'-6" Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	150.99	19.89
06 15 13 00-0146 RSR 4' Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	156.84	21.44
06 15 13 00-0147 RSR 4' Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	153.12	20.37
06 15 13 00-0148 RSR 4' Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	161.94	21.99
06 15 13 00-0149 RSR 4' Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	158.31	20.90
06 15 13 00-0150 RSR 5' Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	166.95	22.52
06 15 13 00-0151 RSR 5' Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	163.15	21.40
06 15 13 00-0152 RSR 5' Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	172.44	23.09
06 15 13 00-0153 RSR 5' Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	168.72	21.94
06 15 13 00-0154 Wood Deck And Ramp Systems Repairs (06 15 13)		
Note: Includes removal of material and screws. Excludes anchors and bolts.		
06 15 13 00-0155 Deck Joist Or Girt (06 15 13 00-0154)		
See CSI section 06 11 16 00-0012 for treated wood joist replacement, 06 51 13 00-0012 for plastic/composite lumber joist replacement.		
06 15 13 00-0156 Deck Boards (06 15 13 00-0154)		
See CSI section 06 51 13 00-0035 for plastic/composite lumber decking replacement.		
06 15 13 00-0157 LF 5/4" x 4" Round Edge Pressure Treated Deck Boards	2.31	0.99
06 15 13 00-0158 LF 5/4" x 6" Round Edge Pressure Treated Deck Boards	2.57	1.18
06 15 13 00-0159 LF 2" x 4" Round Edge Pressure Treated Deck Boards	2.47	1.18
06 15 13 00-0160 LF 2" x 6" Round Edge Pressure Treated Deck Boards	3.20	1.36
06 15 13 00-0161 LF 2" x 8" Round Edge Pressure Treated Deck Boards	4.06	1.63
06 15 13 00-0162 LF 2" x 10" Round Edge Pressure Treated Deck Boards	4.98	1.99
06 15 13 00-0163 LF 2" x 12" Round Edge Pressure Treated Deck Boards	6.13	2.35
06 15 13 00-0164 LF 2" x 4" Round Edge Cedar Deck Boards	2.90	1.18
06 15 13 00-0165 LF 2" x 6" Round Edge Cedar Deck Boards	3.74	1.36
06 15 13 00-0166 LF 2" x 4" Round Edge Redwood Deck Boards	3.17	1.18
06 15 13 00-0167 LF 2" x 6" Round Edge Redwood Deck Boards	4.14	1.36
06 15 13 00-0168 Deck Posts (06 15 13 00-0154)		
See CSI section 06 11 16 00-0105 for treated wood post replacement, 06 51 13 00-0024 for plastic/composite lumber column replacement.		
06 15 13 00-0169 Deck Railing And Pickets (06 15 13 00-0154)		
See CSI section 06 51 13 00-0035 for plastic/composite lumber railing replacement.		
06 15 13 00-0170 LF 2" x 4" Pressure Treated Deck Railing	2.47	1.18
06 15 13 00-0171 LF 2" x 2" Pressure Treated Deck Railing Picket	1.82	0.90
06 15 13 00-0172 LF 2" x 4" Cedar Deck Railing	2.90	1.18
06 15 13 00-0173 LF 2" x 2" Cedar Deck Railing Picket	2.19	0.90
06 15 13 00-0174 LF 2" x 4" Redwood Deck Railing	3.17	1.18
06 15 13 00-0175 LF 2" x 2" Redwood Deck Railing Picket	2.39	0.90

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 16 Sheathing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
06 16 Sheathing (06 10)**06 16 23 Subflooring** (06 16)**06 16 23 00-0001 Board Type Subflooring** (06 16 23)

06 16 23 00-0002	SF	1" x 8" Regular Surface Board Type Subfloor.....	3.64	1.03
		Note: 4 Sides Laid In A Regular Pattern.		
		For Water Resistant Coating Or Treatment, Add	0.08	
		For Foil Backing, Add	0.13	
		For Tongue And Groove, Add	0.09	
06 16 23 00-0003	SF	1" x 8" Diagonal Surface Board Type Subfloor	4.07	1.29
		Note: 4 Sides Laid In A Diagonal Pattern.		
		For Water Resistant Coating Or Treatment, Add	0.08	
		For Foil Backing, Add	0.13	
		For Tongue And Groove, Add	0.09	
06 16 23 00-0004	SF	1" x 10" Regular Surface Board Type Subfloor	3.49	0.90
		Note: 4 sides laid in a regular pattern.		
		For Water Resistant Coating Or Treatment, Add	0.08	
		For Foil Backing, Add	0.14	
		For Tongue And Groove, Add	0.10	
06 16 23 00-0005	SF	1" x 10" Diagonal Surface Board Type Subfloor	3.79	1.03
		Note: 4 sides laid in a diagonal pattern.		
		For Water Resistant Coating Or Treatment, Add	0.08	
		For Foil Backing, Add	0.14	
		For Tongue And Groove, Add	0.10	

06 16 33 Wood Board Sheathing (06 16)**06 16 33 00-0001 Plywood** (06 16 33)**06 16 33 00-0002 Roof Decking** (06 16 33 00-0001)

06 16 33 00-0003	SF	3/8" Thick CDX Plywood Roof Decking	2.12	0.65
		Note: Applied to wood rafters.		
		For Shear Wall Construction, Add	0.30	
		For Exterior CC Grade Plywood, Add	0.09	
		For Application To Metal Studs, Joists, Or Rafters, Add	0.30	
		For ACQ Preservative Treatment, Add	0.29	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.28	
		For Fire Retardant Treatment, Add	0.47	
		For >1,696 To 3,200, Deduct	-0.04	
		For >3,200 To 6,400, Deduct	-0.05	
		For >6,400 To 12,800, Deduct	-0.10	
		For >12,800, Deduct	-0.15	
06 16 33 00-0004	SF	1/2" Thick CDX Plywood Roof Decking	2.38	0.77
		Note: Applied to wood rafters.		
		For Shear Wall Construction, Add	0.33	
		For Exterior CC Grade Plywood, Add	0.11	
		For Application To Metal Studs, Joists, Or Rafters, Add	0.33	
		For ACQ Preservative Treatment, Add	0.35	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.49	
		For Fire Retardant Treatment, Add	0.57	
		For >1,696 To 3,200, Deduct	-0.04	
		For >3,200 To 6,400, Deduct	-0.06	
		For >6,400 To 12,800, Deduct	-0.12	
		For >12,800, Deduct	-0.17	
06 16 33 00-0005	SF	5/8" Thick CDX Plywood Roof Decking	2.77	0.77
		Note: Applied to wood rafters.		
		For Shear Wall Construction, Add	0.36	
		For Exterior CC Grade Plywood, Add	0.15	
		For Application To Metal Studs, Joists, Or Rafters, Add	0.36	
		For ACQ Preservative Treatment, Add	0.47	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.69	
		For Fire Retardant Treatment, Add	0.77	
		For >1,696 To 3,200, Deduct	-0.06	
		For >3,200 To 6,400, Deduct	-0.09	
		For >6,400 To 12,800, Deduct	-0.15	
		For >12,800, Deduct	-0.21	
		For Tongue And Groove, Add	0.07	
06 16 33 00-0006	SF	3/4" Thick CDX Plywood Roof Decking	3.07	0.90
		Note: Applied to wood rafters.		
		For Shear Wall Construction, Add	0.39	
		For Exterior CC Grade Plywood, Add	0.17	
		For Application To Metal Studs, Joists, Or Rafters, Add	0.39	
		For ACQ Preservative Treatment, Add	0.55	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.90	
		For Fire Retardant Treatment, Add	0.90	
		For >1,696 To 3,200, Deduct	-0.07	
		For >3,200 To 6,400, Deduct	-0.10	
		For >6,400 To 12,800, Deduct	-0.17	
		For >12,800, Deduct	-0.23	
		For Tongue And Groove, Add	0.08	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0007	SF		1" Thick CDX Plywood Roof Decking	3.65	1.03
			Note: Applied to wood rafters.		
			For Shear Wall Construction, Add	0.42	
			For Exterior CC Grade Plywood, Add	0.23	
			For Application To Metal Studs, Joists, Or Rafters, Add	0.42	
			For ACQ Preservative Treatment, Add	0.74	
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	3.17	
			For Fire Retardant Treatment, Add	1.22	
			For >1,696 To 3,200, Deduct	-0.09	
			For >3,200 To 6,400, Deduct	-0.14	
			For >6,400 To 12,800, Deduct	-0.22	
			For >12,800, Deduct	-0.29	
			For Tongue And Groove, Add	0.11	
06 16 33 00-0008			Wall Sheathing (06 16 33 00-0001)		
06 16 33 00-0009	SF		1/4" Interior BC Plywood Wall Sheathing	2.52	0.90
			Note: Applied to wall studs.		
			For Shear Wall Construction, Add	0.39	
			For Exterior CC Grade Plywood, Add	0.09	
			For Application To Metal Studs, Joists, Or Rafters, Add	0.39	
			For Ceiling Installation, Add	0.19	
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.90	
			For Fire Retardant Treatment, Add	0.47	
			For >1,696 To 3,200, Deduct	-0.04	
			For >3,200 To 6,400, Deduct	-0.05	
			For >6,400 To 12,800, Deduct	-0.11	
			For >12,800, Deduct	-0.17	
06 16 33 00-0010	SF		5/16" Interior BC Plywood Wall Sheathing	2.55	0.90
			Note: Applied to wall studs.		
			For Shear Wall Construction, Add	0.39	
			For Exterior CC Grade Plywood, Add	0.09	
			For Application To Metal Studs, Joists, Or Rafters, Add	0.39	
			For Ceiling Installation, Add	0.19	
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.90	
			For Fire Retardant Treatment, Add	0.49	
			For >1,696 To 3,200, Deduct	-0.04	
			For >3,200 To 6,400, Deduct	-0.06	
			For >6,400 To 12,800, Deduct	-0.12	
			For >12,800, Deduct	-0.17	
06 16 33 00-0011	SF		3/8" Interior BC Plywood Wall Sheathing	2.61	1.03
			Note: Applied to wall studs.		
			For Shear Wall Construction, Add	0.39	
			For Exterior CC Grade Plywood, Add	0.10	
			For Application To Metal Studs, Joists, Or Rafters, Add	0.39	
			For Ceiling Installation, Add	0.19	
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.90	
			For Fire Retardant Treatment, Add	0.54	
			For >1,696 To 3,200, Deduct	-0.04	
			For >3,200 To 6,400, Deduct	-0.06	
			For >6,400 To 12,800, Deduct	-0.12	
			For >12,800, Deduct	-0.18	
06 16 33 00-0012	SF		1/2" Interior BC Plywood Wall Sheathing	2.91	1.03
			Note: Applied to wall studs.		
			For Shear Wall Construction, Add	0.41	
			For Exterior CC Grade Plywood, Add	0.13	
			For Application To Metal Studs, Joists, Or Rafters, Add	0.41	
			For Ceiling Installation, Add	0.21	
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	3.09	
			For Fire Retardant Treatment, Add	0.67	
			For >1,696 To 3,200, Deduct	-0.05	
			For >3,200 To 6,400, Deduct	-0.08	
			For >6,400 To 12,800, Deduct	-0.15	
			For >12,800, Deduct	-0.21	
06 16 33 00-0013	SF		5/8" Interior BC Plywood Wall Sheathing	3.33	1.17
			Note: Applied to wall studs.		
			For Shear Wall Construction, Add	0.44	
			For Exterior CC Grade Plywood, Add	0.17	
			For Application To Metal Studs, Joists, Or Rafters, Add	0.44	
			For Ceiling Installation, Add	0.22	
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	3.32	
			For Fire Retardant Treatment, Add	0.88	
			For >1,696 To 3,200, Deduct	-0.07	
			For >3,200 To 6,400, Deduct	-0.10	
			For >6,400 To 12,800, Deduct	-0.18	
			For >12,800, Deduct	-0.24	
06 16 33 00-0014	SF		3/4" Interior BC Plywood Wall Sheathing	3.66	1.29
			Note: Applied to wall studs.		
			For Shear Wall Construction, Add	0.48	
			For Exterior CC Grade Plywood, Add	0.19	
			For Application To Metal Studs, Joists, Or Rafters, Add	0.48	
			For Ceiling Installation, Add	0.24	
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	3.57	
			For Fire Retardant Treatment, Add	1.01	
			For >1,696 To 3,200, Deduct	-0.08	
			For >3,200 To 6,400, Deduct	-0.12	
			For >6,400 To 12,800, Deduct	-0.20	
			For >12,800, Deduct	-0.27	

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 16 Sheathing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

06 16 33 00-0015		Floor Decking (06 16 33 00-0001)		
		Note: Includes patching of seams and all fastener holes where necessary.		
06 16 33 00-0016	SF	5/16" CD Grade Plywood Floor Decking	1.94	0.77
		Note: Applied to floor or joists.		
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.18	
		For Fire Retardant Treatment, Add	0.39	
		For >1,696 To 3,200, Deduct	-0.03	
		For >3,200 To 6,400, Deduct	-0.04	
		For >6,400 To 12,800, Deduct	-0.09	
		For >12,800, Deduct	-0.13	
		For ACQ Preservative Treatment, Add	0.24	
		For Fir Plywood, Add	0.09	
		For BC Grade Plywood, Add	0.07	
		For Exterior Glue, Add	0.05	
		For Marine Grade, Add	0.38	
06 16 33 00-0017	SF	3/8" CD Grade Plywood Floor Decking	2.02	0.77
		Note: Applied to floor or joists.		
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.30	
		For Fire Retardant Treatment, Add	0.39	
		For >1,696 To 3,200, Deduct	-0.03	
		For >3,200 To 6,400, Deduct	-0.04	
		For >6,400 To 12,800, Deduct	-0.09	
		For >12,800, Deduct	-0.14	
		For ACQ Preservative Treatment, Add	0.24	
		For Fir Plywood, Add	0.09	
		For BC Grade Plywood, Add	0.07	
		For Exterior Glue, Add	0.05	
		For Marine Grade, Add	0.38	
06 16 33 00-0018	SF	1/2" CD Grade Plywood Floor Decking	2.26	0.77
		Note: Applied to floor or joists.		
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.42	
		For Fire Retardant Treatment, Add	0.51	
		For >1,696 To 3,200, Deduct	-0.04	
		For >3,200 To 6,400, Deduct	-0.06	
		For >6,400 To 12,800, Deduct	-0.11	
		For >12,800, Deduct	-0.16	
		For ACQ Preservative Treatment, Add	0.31	
		For Fir Plywood, Add	0.12	
		For BC Grade Plywood, Add	0.10	
		For Exterior Glue, Add	0.06	
		For Marine Grade, Add	0.51	
06 16 33 00-0019	SF	5/8" CD Grade Plywood Floor Decking	2.62	0.77
		Note: Applied to floor or joists.		
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.66	
		For Fire Retardant Treatment, Add	0.67	
		For >1,696 To 3,200, Deduct	-0.05	
		For >3,200 To 6,400, Deduct	-0.08	
		For >6,400 To 12,800, Deduct	-0.14	
		For >12,800, Deduct	-0.19	
		For ACQ Preservative Treatment, Add	0.41	
		For Fir Plywood, Add	0.16	
		For BC Grade Plywood, Add	0.13	
		For Exterior Glue, Add	0.08	
		For Marine Grade, Add	0.67	
06 16 33 00-0020	SF	3/4" CD Grade Plywood Floor Decking	2.95	0.77
		Note: Applied to floor or joists.		
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.79	
		For Fire Retardant Treatment, Add	0.86	
		For >1,696 To 3,200, Deduct	-0.07	
		For >3,200 To 6,400, Deduct	-0.10	
		For >6,400 To 12,800, Deduct	-0.17	
		For >12,800, Deduct	-0.22	
		For ACQ Preservative Treatment, Add	0.52	
		For Fir Plywood, Add	0.20	
		For BC Grade Plywood, Add	0.16	
		For Exterior Glue, Add	0.10	
		For Marine Grade, Add	0.85	
06 16 33 00-0021	SF	1-1/8" CD Grade Plywood Floor Decking	4.28	1.17
		Note: Applied to floor or joists.		
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	3.33	
		For Fire Retardant Treatment, Add	1.63	
		For >1,696 To 3,200, Deduct	-0.12	
		For >3,200 To 6,400, Deduct	-0.19	
		For >6,400 To 12,800, Deduct	-0.28	
		For >12,800, Deduct	-0.36	
		For ACQ Preservative Treatment, Add	0.99	
		For Fir Plywood, Add	0.38	
		For BC Grade Plywood, Add	0.30	
		For Exterior Glue, Add	0.19	
		For Marine Grade, Add	1.61	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0022	SF		1/2" AC Fir Plywood Floor Decking.....	2.65	0.77
			Note: Applied to floor or joists.		
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.42	
			For Fire Retardant Treatment, Add	0.82	
			For >1,696 To 3,200, Deduct	-0.06	
			For >3,200 To 6,400, Deduct	-0.09	
			For >6,400 To 12,800, Deduct	-0.15	
			For >12,800, Deduct	-0.21	
			For ACQ Preservative Treatment, Add	0.50	
			For Exterior Glue, Add	0.10	
			For Marine Grade, Add	0.81	
			For Tongue And Groove, Add	0.07	
06 16 33 00-0023	SF		5/8" AC Fir Plywood Floor Decking.....	3.10	0.77
			Note: Applied to floor or joists.		
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.66	
			For Fire Retardant Treatment, Add	1.05	
			For >1,696 To 3,200, Deduct	-0.08	
			For >3,200 To 6,400, Deduct	-0.12	
			For >6,400 To 12,800, Deduct	-0.19	
			For >12,800, Deduct	-0.25	
			For ACQ Preservative Treatment, Add	0.64	
			For Exterior Glue, Add	0.12	
			For Marine Grade, Add	1.04	
			For Tongue And Groove, Add	0.09	
06 16 33 00-0024	SF		3/4" AC Fir Plywood Floor Decking.....	3.31	0.77
			Note: Applied to floor or joists.		
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.81	
			For Fire Retardant Treatment, Add	1.14	
			For >1,696 To 3,200, Deduct	-0.09	
			For >3,200 To 6,400, Deduct	-0.13	
			For >6,400 To 12,800, Deduct	-0.21	
			For >12,800, Deduct	-0.27	
			For ACQ Preservative Treatment, Add	0.69	
			For Exterior Glue, Add	0.13	
			For Marine Grade, Add	1.13	
			For Tongue And Groove, Add	0.10	
06 16 33 00-0025			Underlayment Grade (06 16 33 00-0001)		
			Note: Includes patching of seams and all fastener holes where necessary.		
06 16 33 00-0026	SF		1/4" Thick Plywood Underlayment BC Grade	2.07	0.77
			For Fire Retardant Treatment, Add	0.46	
			For >1,696 To 3,200, Deduct	-0.03	
			For >3,200 To 6,400, Deduct	-0.05	
			For >6,400 To 12,800, Deduct	-0.09	
			For >12,800, Deduct	-0.14	
06 16 33 00-0027	SF		3/8" Thick Plywood Underlayment BC Grade	2.20	0.77
			For Fire Retardant Treatment, Add	0.50	
			For >1,696 To 3,200, Deduct	-0.04	
			For >3,200 To 6,400, Deduct	-0.06	
			For >6,400 To 12,800, Deduct	-0.10	
			For >12,800, Deduct	-0.15	
06 16 33 00-0028	SF		1/2" Thick Plywood Underlayment BC Grade	2.28	0.90
			For Fire Retardant Treatment, Add	0.54	
			For >1,696 To 3,200, Deduct	-0.04	
			For >3,200 To 6,400, Deduct	-0.06	
			For >6,400 To 12,800, Deduct	-0.10	
			For >12,800, Deduct	-0.16	
06 16 33 00-0029	SF		5/8" Thick Plywood Underlayment BC Grade	2.60	0.90
			For Fire Retardant Treatment, Add	0.64	
			For >1,696 To 3,200, Deduct	-0.05	
			For >3,200 To 6,400, Deduct	-0.07	
			For >6,400 To 12,800, Deduct	-0.12	
			For >12,800, Deduct	-0.19	
			For Tongue And Groove, Add	0.06	
06 16 33 00-0030	SF		3/4" Thick Plywood Underlayment BC Grade	2.77	0.90
			For Fire Retardant Treatment, Add	0.77	
			For >1,696 To 3,200, Deduct	-0.06	
			For >3,200 To 6,400, Deduct	-0.09	
			For >6,400 To 12,800, Deduct	-0.13	
			For >12,800, Deduct	-0.21	
			For Tongue And Groove, Add	0.07	
06 16 33 00-0031	SF		1-1/8" Thick Plywood Underlayment BC Grade	3.50	1.03
			For Fire Retardant Treatment, Add	1.19	
			For >1,696 To 3,200, Deduct	-0.09	
			For >3,200 To 6,400, Deduct	-0.14	
			For >6,400 To 12,800, Deduct	-0.19	
			For >12,800, Deduct	-0.28	
			For Tongue And Groove, Add	0.11	
06 16 33 00-0032	SF		3/8" Thick CDX Plywood Underlayment Grade.....	2.34	0.77
			For Fire Retardant Treatment, Add	0.61	
			For >1,696 To 3,200, Deduct	-0.05	
			For >3,200 To 6,400, Deduct	-0.07	
			For >6,400 To 12,800, Deduct	-0.11	
			For >12,800, Deduct	-0.17	
06 16 33 00-0033	SF		5/8" Thick CDX Plywood Underlayment Grade.....	2.94	0.90
			For Fire Retardant Treatment, Add	0.92	
			For >1,696 To 3,200, Deduct	-0.07	
			For >3,200 To 6,400, Deduct	-0.11	
			For >6,400 To 12,800, Deduct	-0.15	
			For >12,800, Deduct	-0.23	

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 16 Sheathing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

06 16 33 00-0034	Oriented Strand Board (06 16 33)		
06 16 33 00-0035	On Roof (06 16 33 00-0034)		
06 16 33 00-0036	SF 3/8" Thick Structural Oriented Strand Board (OSB) On Roof.....	1.89	0.77
	For >1,408 To 3,200, Deduct	-0.02	
	For >3,200 To 6,400, Deduct	-0.03	
	For >6,400 To 12,800, Deduct	-0.08	
	For >12,800, Deduct	-0.12	
	For Fire Retardant Treatment, Add	0.29	
	For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	2.28	
06 16 33 00-0037	SF 1/2" Thick Structural Oriented Strand Board (OSB) On Roof.....	2.10	0.77
	For >1,408 To 3,200, Deduct	-0.03	
	For >3,200 To 6,400, Deduct	-0.04	
	For >6,400 To 12,800, Deduct	-0.09	
	For >12,800, Deduct	-0.14	
	For Fire Retardant Treatment, Add	0.35	
	For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	2.49	
06 16 33 00-0038	SF 5/8" Thick Structural Oriented Strand Board (OSB) On Roof.....	2.42	0.90
	For >1,408 To 3,200, Deduct	-0.04	
	For >3,200 To 6,400, Deduct	-0.06	
	For >6,400 To 12,800, Deduct	-0.11	
	For >12,800, Deduct	-0.17	
	For Fire Retardant Treatment, Add	0.50	
	For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	2.69	
06 16 33 00-0039	SF 3/4" Thick Structural Oriented Strand Board (OSB) On Roof.....	2.77	0.90
	For >1,408 To 3,200, Deduct	-0.05	
	For >3,200 To 6,400, Deduct	-0.08	
	For >6,400 To 12,800, Deduct	-0.14	
	For >12,800, Deduct	-0.20	
	For Fire Retardant Treatment, Add	0.66	
	For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	2.90	
06 16 33 00-0040	On Walls (06 16 33 00-0034)		
06 16 33 00-0041	SF 3/8" Thick Structural Oriented Strand Board (OSB) On Walls.....	2.30	0.90
	For >1,408 To 3,200, Deduct	-0.02	
	For >3,200 To 6,400, Deduct	-0.03	
	For >6,400 To 12,800, Deduct	-0.09	
	For >12,800, Deduct	-0.14	
	For Fire Retardant Treatment, Add	0.29	
	For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	2.90	
06 16 33 00-0042	SF 1/2" Thick Structural Oriented Strand Board (OSB) On Walls.....	2.50	1.03
	For >1,408 To 3,200, Deduct	-0.03	
	For >3,200 To 6,400, Deduct	-0.04	
	For >6,400 To 12,800, Deduct	-0.10	
	For >12,800, Deduct	-0.16	
	For Fire Retardant Treatment, Add	0.35	
	For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	3.09	
06 16 33 00-0043	SF 5/8" Thick Structural Oriented Strand Board (OSB) On Walls.....	2.84	1.17
	For >1,408 To 3,200, Deduct	-0.04	
	For >3,200 To 6,400, Deduct	-0.06	
	For >6,400 To 12,800, Deduct	-0.12	
	For >12,800, Deduct	-0.19	
	For Fire Retardant Treatment, Add	0.50	
	For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	3.32	
06 16 33 00-0044	SF 3/4" Thick Structural Oriented Strand Board (OSB) On Walls.....	3.22	1.17
	For >1,408 To 3,200, Deduct	-0.05	
	For >3,200 To 6,400, Deduct	-0.08	
	For >6,400 To 12,800, Deduct	-0.15	
	For >12,800, Deduct	-0.22	
	For Fire Retardant Treatment, Add	0.66	
	For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	3.57	
06 16 33 00-0045	On Floors (06 16 33 00-0034)		
	Note: Includes patching of seams and all fastener holes where necessary.		
06 16 33 00-0046	SF 3/8" Thick Structural Oriented Strand Board (OSB) On Floors	1.92	0.77
	For >1,408 To 3,200, Deduct	-0.02	
	For >3,200 To 6,400, Deduct	-0.03	
	For >6,400 To 12,800, Deduct	-0.08	
	For >12,800, Deduct	-0.12	
	For Fire Retardant Treatment, Add	0.29	
	For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	2.33	
06 16 33 00-0047	SF 1/2" Thick Structural Oriented Strand Board (OSB) On Floors	2.31	0.90
	For >1,408 To 3,200, Deduct	-0.03	
	For >3,200 To 6,400, Deduct	-0.04	
	For >6,400 To 12,800, Deduct	-0.10	
	For >12,800, Deduct	-0.15	
	For Fire Retardant Treatment, Add	0.35	
	For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	2.81	
06 16 33 00-0048	SF 5/8" Thick Structural Oriented Strand Board (OSB) On Floors	2.66	1.03
	For >1,408 To 3,200, Deduct	-0.04	
	For >3,200 To 6,400, Deduct	-0.06	
	For >6,400 To 12,800, Deduct	-0.12	
	For >12,800, Deduct	-0.18	
	For Fire Retardant Treatment, Add	0.50	
	For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	3.05	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0049	SF	3/4" Thick Structural Oriented Strand Board (OSB) On Floors For >1,408 To 3,200, Deduct For >3,200 To 6,400, Deduct For >6,400 To 12,800, Deduct For >12,800, Deduct For Fire Retardant Treatment, Add For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	3.05 -0.05 -0.08 -0.15 -0.21 0.66 3.32	1.17
06 16 33 00-0050		Particle Board (06 16 33)		
06 16 33 00-0051		Particle Board Floor Decking (06 16 33 00-0050) Note: Includes patching of seams and all fastener holes where necessary.		
06 16 33 00-0052	SF	3/8" Particle Board Floor Decking Note: Applied to plywood subfloor. For Fire Retardant Treatment Add For >1,536 To 3,200, Deduct For >3,200 To 6,400, Deduct For >6,400 To 12,800, Deduct For >12,800, Deduct For Tongue And Groove, Add	2.16 0.51 -0.04 -0.06 -0.11 -0.15 0.04	0.65
06 16 33 00-0053	SF	1/2" Particle Board Floor Decking Note: Applied to plywood subfloor. For Fire Retardant Treatment Add For >1,536 To 3,200, Deduct For >3,200 To 6,400, Deduct For >6,400 To 12,800, Deduct For >12,800, Deduct For Tongue And Groove, Add	2.48 0.69 -0.05 -0.08 -0.14 -0.18 0.06	0.65
06 16 33 00-0054	SF	5/8" Particle Board Floor Decking Note: Applied to plywood subfloor. For Fire Retardant Treatment Add For >1,536 To 3,200, Deduct For >3,200 To 6,400, Deduct For >6,400 To 12,800, Deduct For >12,800, Deduct For Tongue And Groove, Add	2.78 0.86 -0.07 -0.10 -0.16 -0.22 0.08	0.77
06 16 33 00-0055	SF	3/4" Particle Board Floor Decking Note: Applied to plywood subfloor. For Fire Retardant Treatment Add For >1,536 To 3,200, Deduct For >3,200 To 6,400, Deduct For >6,400 To 12,800, Deduct For >12,800, Deduct For Tongue And Groove, Add	3.09 1.01 -0.08 -0.12 -0.19 -0.24 0.09	0.77
06 16 33 00-0056		PureBond Hardwood Plywood (06 16 33) Note: Soy-based Purebond formaldehyde free assembly.		
06 16 33 00-0057	SF	1/4" Interior Birch Or Red Oak Hardwood Plywood (PureBond)	3.93	0.90
06 16 33 00-0058	SF	1/2" Interior Birch Or Red Oak Hardwood Plywood (PureBond)	5.06	1.03
06 16 33 00-0059	SF	3/4" Interior Birch Or Red Oak Hardwood Plywood (PureBond)	5.57	1.29
06 16 33 00-0060	SF	1/4" Interior Maple Hardwood Plywood (PureBond)	4.35	0.90
06 16 33 00-0061	SF	1/2" Interior Maple Hardwood Plywood (PureBond)	5.48	1.03
06 16 33 00-0062	SF	3/4" Interior Maple Hardwood Plywood (PureBond)	6.31	1.29
06 16 33 00-0063	SF	1/4" Interior Mahogany Hardwood Plywood (PureBond)	4.99	0.90
06 16 33 00-0064	SF	1/2" Interior Mahogany Hardwood Plywood (PureBond)	6.25	1.03
06 16 33 00-0065	SF	3/4" Interior Mahogany Hardwood Plywood (PureBond)	7.44	1.29
06 16 33 00-0066	SF	1/4" Interior Cherry Hardwood Plywood (PureBond)	5.37	0.90
06 16 33 00-0067	SF	1/2" Interior Cherry Hardwood Plywood (PureBond)	6.72	1.03
06 16 33 00-0068	SF	3/4" Interior Cherry Hardwood Plywood (PureBond)	7.87	1.29
06 16 33 00-0069	SF	1/4" Interior Walnut Hardwood Plywood (PureBond)	5.82	0.90
06 16 33 00-0070	SF	1/2" Interior Walnut Hardwood Plywood (PureBond)	7.25	1.03
06 16 33 00-0071	SF	3/4" Interior Walnut Hardwood Plywood (PureBond)	8.40	1.29
06 16 43		Gypsum Sheathing (06 16)		
06 16 43 00-0001		Exterior Gypsum Sheathing (06 16 43) Note: Includes moisture resistant core and fiberglass mats on both sides and long edges.		
06 16 43 00-0002	SF	1/2" Exterior Gypsum Sheathing (GP Dens-Glass Gold) For Selective Replacement <400 (Includes Removal Of Damaged Gypsum And Fitting New Gypsum To Size), Add For Application To Metal Studs, Joists, Or Rafter, Add For Ceiling Installation, Add For >1,696 To 3,200, Deduct For >3,200 To 6,400, Deduct For >6,400 To 12,800, Deduct For >12,800, Deduct	3.32 3.09 0.41 0.21 -0.08 -0.11 -0.19 -0.25	1.03
06 16 43 00-0003	SF	5/8" Exterior Gypsum Sheathing (GP Dens-Glass Gold) For Selective Replacement <400 (Includes Removal Of Damaged Gypsum And Fitting New Gypsum To Size), Add For Application To Metal Studs, Joists, Or Rafter, Add For Ceiling Installation, Add For >1,696 To 3,200, Deduct For >3,200 To 6,400, Deduct For >6,400 To 12,800, Deduct For >12,800, Deduct	3.58 3.32 0.44 0.22 -0.08 -0.12 -0.21 -0.27	1.29
06 17		Shop-Fabricated Structural Wood (06 10)		

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 17 Shop-Fabricated Structural Wood**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
06 17 13 Laminated Veneer Lumber (06 17)**06 17 13 00-0001 Laminated Veneer Lumber (LVL)** (06 17 13)

06 17 13 00-0002	LF	1-3/4" Wide x 5-1/2" Deep Laminated Veneer Lumber (LVL)	8.38	2.23
06 17 13 00-0003	LF	1-3/4" Wide x 7-1/4" Deep Laminated Veneer Lumber (LVL)	9.15	2.27
06 17 13 00-0004	LF	1-3/4" Wide x 9-1/2" Deep Laminated Veneer Lumber (LVL)	10.04	2.30
06 17 13 00-0005	LF	1-3/4" Wide x 11-7/8" Deep Laminated Veneer Lumber (LVL)	11.16	2.34
06 17 13 00-0006	LF	1-3/4" Wide x 14" Deep Laminated Veneer Lumber (LVL)	12.00	2.38
06 17 13 00-0007	LF	1-3/4" Wide x 16" Deep Laminated Veneer Lumber (LVL)	13.19	2.47
06 17 13 00-0008	LF	1-3/4" Wide x 18" Deep Laminated Veneer Lumber (LVL)	14.87	2.51
06 17 13 00-0009	LF	1-3/4" Wide x 24" Deep Laminated Veneer Lumber (LVL)	20.22	2.84

06 17 23 Parallel Strand Lumber (06 17)**06 17 23 00-0001 Laminated Strand Lumber (LSL)** (06 17 23)

06 17 23 00-0002	LF	2" x 4" Laminated Strand Lumber (LSL)	2.90	1.03
06 17 23 00-0003	LF	2" x 6" Laminated Strand Lumber (LSL)	3.84	1.10

06 17 33 Wood I-Joists (06 17)**06 17 33 00-0001 Prefabricated Wood I-Joists** (06 17 33)

06 17 33 00-0002	LF	9-1/2" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length	5.02	1.36
		For I-Joists 30' To 40' In Length, Add	0.60	
		For I-Joists >40' In Length, Add	1.46	
06 17 33 00-0003	LF	11-7/8" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length	5.41	1.51
		For I-Joists 30' To 40' In Length, Add	0.66	
		For I-Joists >40' In Length, Add	1.63	
06 17 33 00-0004	LF	14" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length	6.33	1.70
		For I-Joists 30' To 40' In Length, Add	0.75	
		For I-Joists >40' In Length, Add	1.84	
06 17 33 00-0005	LF	16" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length	7.12	1.89
		For I-Joists 30' To 40' In Length, Add	0.83	
		For I-Joists >40' In Length, Add	2.04	

06 17 43 Rim Boards (06 17)**06 17 43 00-0001 Oriented Strand Board (OSB) Rim Board** (06 17 43)

06 17 43 00-0002	LF	1-1/8" Wide x 9-1/2" Deep, Oriented Strand Board (OSB) Rim Board	6.94	2.30
06 17 43 00-0003	LF	1-1/8" Wide x 11-7/8" Deep, Oriented Strand Board (OSB) Rim Board	7.53	2.34
06 17 43 00-0004	LF	1-1/8" Wide x 14" Deep, Oriented Strand Board (OSB) Rim Board	8.25	2.38

06 17 53 Shop-Fabricated Wood Trusses (06 17)

Note: Includes temporary and permanent bracing, and fastening with truss tie-downs.

06 17 53 00-0001 Pre-Assembled Wood Roof Trusses (06 17 53)

Note: For King Post, Queen Post, Fink or Howe types. Includes 2" x 4" top and bottom chords up to 42' and with 2" x 6" top and bottom chords >42'.

06 17 53 00-0002	EA	10' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	201.09	79.30
		For Up To 15, Add	3.19	
		For >35, Deduct	-2.13	
		For 3 In 12 Slope, Add	1.28	
		For 5 In 12 Slope, Add	3.40	
		For 6 In 12 Slope, Add	6.38	
		For 7 In 12 Slope, Add	8.50	
		For 8 In 12 Slope, Add	10.20	
06 17 53 00-0003	EA	12' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	223.33	86.85
		For Up To 15, Add	3.72	
		For >35, Deduct	-2.48	
		For 3 In 12 Slope, Add	1.49	
		For 5 In 12 Slope, Add	3.97	
		For 6 In 12 Slope, Add	7.44	
		For 7 In 12 Slope, Add	9.93	
		For 8 In 12 Slope, Add	11.91	
06 17 53 00-0004	EA	14' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	248.52	94.40
		For Up To 15, Add	4.48	
		For >35, Deduct	-2.99	
		For 3 In 12 Slope, Add	1.79	
		For 5 In 12 Slope, Add	4.78	
		For 6 In 12 Slope, Add	8.96	
		For 7 In 12 Slope, Add	11.94	
		For 8 In 12 Slope, Add	14.33	
06 17 53 00-0005	EA	16' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	281.51	101.96
		For Up To 15, Add	5.82	
		For >35, Deduct	-3.88	
		For 3 In 12 Slope, Add	2.33	
		For 5 In 12 Slope, Add	6.21	
		For 6 In 12 Slope, Add	11.64	
		For 7 In 12 Slope, Add	15.52	
		For 8 In 12 Slope, Add	18.63	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0006	EA		18' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	310.03	109.50
			For Up To 15, Add	6.83	
			For >35, Deduct	-4.55	
			For 3 In 12 Slope, Add	2.73	
			For 5 In 12 Slope, Add	7.28	
			For 6 In 12 Slope, Add	13.65	
			For 7 In 12 Slope, Add	18.20	
			For 8 In 12 Slope, Add	21.84	
06 17 53 00-0007	EA		20' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	326.64	120.84
			For Up To 15, Add	6.37	
			For >35, Deduct	-4.25	
			For 3 In 12 Slope, Add	2.55	
			For 5 In 12 Slope, Add	6.80	
			For 6 In 12 Slope, Add	12.75	
			For 7 In 12 Slope, Add	17.00	
			For 8 In 12 Slope, Add	20.40	
06 17 53 00-0008	EA		22' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	344.24	192.58
			For Up To 15, Add	6.56	
			For >35, Deduct	-4.37	
			For 3 In 12 Slope, Add	2.62	
			For 5 In 12 Slope, Add	7.00	
			For 6 In 12 Slope, Add	13.12	
			For 7 In 12 Slope, Add	17.49	
			For 8 In 12 Slope, Add	20.99	
06 17 53 00-0009	EA		24' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	366.76	135.93
			For Up To 15, Add	7.12	
			For >35, Deduct	-4.74	
			For 3 In 12 Slope, Add	2.85	
			For 5 In 12 Slope, Add	7.59	
			For 6 In 12 Slope, Add	14.23	
			For 7 In 12 Slope, Add	18.98	
			For 8 In 12 Slope, Add	22.77	
06 17 53 00-0010	EA		26' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	390.08	215.23
			For Up To 15, Add	7.73	
			For >35, Deduct	-5.16	
			For 3 In 12 Slope, Add	3.09	
			For 5 In 12 Slope, Add	8.25	
			For 6 In 12 Slope, Add	15.47	
			For 7 In 12 Slope, Add	20.62	
			For 8 In 12 Slope, Add	24.74	
06 17 53 00-0011	EA		28' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	414.47	151.04
			For Up To 15, Add	8.43	
			For >35, Deduct	-5.62	
			For 3 In 12 Slope, Add	3.37	
			For 5 In 12 Slope, Add	8.99	
			For 6 In 12 Slope, Add	16.86	
			For 7 In 12 Slope, Add	22.48	
			For 8 In 12 Slope, Add	26.97	
06 17 53 00-0012	EA		30' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	433.14	237.89
			For Up To 15, Add	8.70	
			For >35, Deduct	-5.80	
			For 3 In 12 Slope, Add	3.48	
			For 5 In 12 Slope, Add	9.28	
			For 6 In 12 Slope, Add	17.39	
			For 7 In 12 Slope, Add	23.19	
			For 8 In 12 Slope, Add	27.83	
06 17 53 00-0013	EA		32' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	452.28	162.37
			For Up To 15, Add	9.57	
			For >35, Deduct	-6.38	
			For 3 In 12 Slope, Add	3.83	
			For 5 In 12 Slope, Add	10.20	
			For 6 In 12 Slope, Add	19.13	
			For 7 In 12 Slope, Add	25.51	
			For 8 In 12 Slope, Add	30.61	
06 17 53 00-0014	EA		34' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	492.78	254.96
			For Up To 15, Add	11.47	
			For >35, Deduct	-7.65	
			For 3 In 12 Slope, Add	4.59	
			For 5 In 12 Slope, Add	12.23	
			For 6 In 12 Slope, Add	22.94	
			For 7 In 12 Slope, Add	30.59	
			For 8 In 12 Slope, Add	36.70	
06 17 53 00-0015	EA		36' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	512.36	173.70
			For Up To 15, Add	12.37	
			For >35, Deduct	-8.25	
			For 3 In 12 Slope, Add	4.95	
			For 5 In 12 Slope, Add	13.20	
			For 6 In 12 Slope, Add	24.75	
			For 7 In 12 Slope, Add	32.99	
			For 8 In 12 Slope, Add	39.59	
06 17 53 00-0016	EA		38' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	538.73	271.88
			For Up To 15, Add	13.22	
			For >35, Deduct	-8.81	
			For 3 In 12 Slope, Add	5.29	
			For 5 In 12 Slope, Add	14.10	
			For 6 In 12 Slope, Add	26.43	
			For 7 In 12 Slope, Add	35.25	
			For 8 In 12 Slope, Add	42.30	

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 17 Shop-Fabricated Structural Wood**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

06 17 53 00-0017	EA	40' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	557.62	188.80
		For Up To 15, Add	13.50	
		For >35, Deduct	-9.00	
		For 3 In 12 Slope, Add	5.40	
		For 5 In 12 Slope, Add	14.40	
		For 6 In 12 Slope, Add	27.00	
		For 7 In 12 Slope, Add	36.00	
		For 8 In 12 Slope, Add	43.20	
06 17 53 00-0018	EA	42' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	610.78	294.53
		For Up To 15, Add	16.36	
		For >35, Deduct	-10.90	
		For 3 In 12 Slope, Add	6.54	
		For 5 In 12 Slope, Add	17.45	
		For 6 In 12 Slope, Add	32.71	
		For 7 In 12 Slope, Add	43.61	
		For 8 In 12 Slope, Add	52.34	
06 17 53 00-0019	EA	44' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	662.91	203.90
		For Up To 15, Add	19.13	
		For >35, Deduct	-12.76	
		For 3 In 12 Slope, Add	7.65	
		For 5 In 12 Slope, Add	20.41	
		For 6 In 12 Slope, Add	38.27	
		For 7 In 12 Slope, Add	51.02	
		For 8 In 12 Slope, Add	61.22	
06 17 53 00-0020	EA	46' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	686.23	211.46
		For Up To 15, Add	19.75	
		For >35, Deduct	-13.17	
		For 3 In 12 Slope, Add	7.90	
		For 5 In 12 Slope, Add	21.06	
		For 6 In 12 Slope, Add	39.50	
		For 7 In 12 Slope, Add	52.66	
		For 8 In 12 Slope, Add	63.19	
06 17 53 00-0021	EA	48' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	719.49	219.01
		For Up To 15, Add	21.11	
		For >35, Deduct	-14.07	
		For 3 In 12 Slope, Add	8.44	
		For 5 In 12 Slope, Add	22.52	
		For 6 In 12 Slope, Add	42.22	
		For 7 In 12 Slope, Add	56.29	
		For 8 In 12 Slope, Add	67.55	
06 17 53 00-0022	EA	50' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	813.42	226.57
		For Up To 15, Add	27.02	
		For >35, Deduct	-18.01	
		For 3 In 12 Slope, Add	10.81	
		For 5 In 12 Slope, Add	28.82	
		For 6 In 12 Slope, Add	54.04	
		For 7 In 12 Slope, Add	72.06	
		For 8 In 12 Slope, Add	86.47	
06 17 53 00-0023	EA	52' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	775.38	203.75
		For Up To 15, Add	24.17	
		For >35, Deduct	-16.11	
		For 3 In 12 Slope, Add	9.67	
		For 5 In 12 Slope, Add	25.78	
		For 6 In 12 Slope, Add	48.34	
		For 7 In 12 Slope, Add	64.45	
		For 8 In 12 Slope, Add	77.34	
06 17 53 00-0024	EA	54' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	813.59	237.89
		For Up To 15, Add	25.34	
		For >35, Deduct	-16.89	
		For 3 In 12 Slope, Add	10.13	
		For 5 In 12 Slope, Add	27.02	
		For 6 In 12 Slope, Add	50.67	
		For 7 In 12 Slope, Add	67.56	
		For 8 In 12 Slope, Add	81.07	
06 17 53 00-0025	EA	56' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	845.31	220.52
		For Up To 15, Add	26.58	
		For >35, Deduct	-17.72	
		For 3 In 12 Slope, Add	10.63	
		For 5 In 12 Slope, Add	28.35	
		For 6 In 12 Slope, Add	53.16	
		For 7 In 12 Slope, Add	70.88	
		For 8 In 12 Slope, Add	85.06	
06 17 53 00-0026	EA	58' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	872.53	249.22
		For Up To 15, Add	28.06	
		For >35, Deduct	-18.70	
		For 3 In 12 Slope, Add	11.22	
		For 5 In 12 Slope, Add	29.93	
		For 6 In 12 Slope, Add	56.11	
		For 7 In 12 Slope, Add	74.82	
		For 8 In 12 Slope, Add	89.78	
06 17 53 00-0027	EA	60' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	890.22	253.00
		For Up To 15, Add	28.82	
		For >35, Deduct	-19.21	
		For 3 In 12 Slope, Add	11.53	
		For 5 In 12 Slope, Add	30.74	
		For 6 In 12 Slope, Add	57.63	
		For 7 In 12 Slope, Add	76.85	
		For 8 In 12 Slope, Add	92.22	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0028			Pre-Assembled Wood Gable End Roof Trusses (06 17 53) Note: 24" on center gable studs. Includes 2" x 4" top and bottom chords up to 42' and with 2" x 6" top and bottom chords >42'.		
06 17 53 00-0029	EA		10' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	206.49	79.30
			For 3 In 12 Slope, Add	1.44	
			For 5 In 12 Slope, Add	3.83	
			For 6 In 12 Slope, Add	7.19	
			For 7 In 12 Slope, Add	9.58	
			For 8 In 12 Slope, Add	11.50	
			For 16" On Center Gable Studs, Add	9.58	
06 17 53 00-0030	EA		12' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	229.65	86.85
			For 3 In 12 Slope, Add	1.68	
			For 5 In 12 Slope, Add	4.48	
			For 6 In 12 Slope, Add	8.39	
			For 7 In 12 Slope, Add	11.19	
			For 8 In 12 Slope, Add	13.43	
			For 16" On Center Gable Studs, Add	11.19	
06 17 53 00-0031	EA		14' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	256.12	94.40
			For 3 In 12 Slope, Add	2.02	
			For 5 In 12 Slope, Add	5.39	
			For 6 In 12 Slope, Add	10.10	
			For 7 In 12 Slope, Add	13.46	
			For 8 In 12 Slope, Add	16.16	
			For 16" On Center Gable Studs, Add	13.46	
06 17 53 00-0032	EA		16' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	291.38	101.96
			For 3 In 12 Slope, Add	2.62	
			For 5 In 12 Slope, Add	7.00	
			For 6 In 12 Slope, Add	13.12	
			For 7 In 12 Slope, Add	17.50	
			For 8 In 12 Slope, Add	21.00	
			For 16" On Center Gable Studs, Add	17.50	
06 17 53 00-0033	EA		18' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	321.60	109.50
			For 3 In 12 Slope, Add	3.08	
			For 5 In 12 Slope, Add	8.21	
			For 6 In 12 Slope, Add	15.39	
			For 7 In 12 Slope, Add	20.52	
			For 8 In 12 Slope, Add	24.62	
			For 16" On Center Gable Studs, Add	20.52	
06 17 53 00-0034	EA		20' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	349.61	120.84
			For 3 In 12 Slope, Add	3.24	
			For 5 In 12 Slope, Add	8.64	
			For 6 In 12 Slope, Add	16.19	
			For 7 In 12 Slope, Add	21.59	
			For 8 In 12 Slope, Add	25.91	
			For 16" On Center Gable Studs, Add	21.59	
06 17 53 00-0035	EA		22' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	367.86	128.39
			For 3 In 12 Slope, Add	3.33	
			For 5 In 12 Slope, Add	8.89	
			For 6 In 12 Slope, Add	16.66	
			For 7 In 12 Slope, Add	22.22	
			For 8 In 12 Slope, Add	26.66	
			For 16" On Center Gable Studs, Add	22.22	
06 17 53 00-0036	EA		24' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	392.39	135.93
			For 3 In 12 Slope, Add	3.62	
			For 5 In 12 Slope, Add	9.64	
			For 6 In 12 Slope, Add	18.08	
			For 7 In 12 Slope, Add	24.10	
			For 8 In 12 Slope, Add	28.92	
			For 16" On Center Gable Studs, Add	24.10	
06 17 53 00-0037	EA		26' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	417.92	143.49
			For 3 In 12 Slope, Add	3.93	
			For 5 In 12 Slope, Add	10.48	
			For 6 In 12 Slope, Add	19.64	
			For 7 In 12 Slope, Add	26.19	
			For 8 In 12 Slope, Add	31.43	
			For 16" On Center Gable Studs, Add	26.19	
06 17 53 00-0038	EA		28' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	444.83	151.04
			For 3 In 12 Slope, Add	4.28	
			For 5 In 12 Slope, Add	11.42	
			For 6 In 12 Slope, Add	21.41	
			For 7 In 12 Slope, Add	28.55	
			For 8 In 12 Slope, Add	34.26	
			For 16" On Center Gable Studs, Add	28.55	
06 17 53 00-0039	EA		30' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	465.72	158.59
			For 3 In 12 Slope, Add	4.46	
			For 5 In 12 Slope, Add	11.88	
			For 6 In 12 Slope, Add	22.28	
			For 7 In 12 Slope, Add	29.71	
			For 8 In 12 Slope, Add	35.65	
			For 16" On Center Gable Studs, Add	29.71	
06 17 53 00-0040	EA		32' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	488.13	162.37
			For 3 In 12 Slope, Add	4.90	
			For 5 In 12 Slope, Add	13.07	
			For 6 In 12 Slope, Add	24.51	
			For 7 In 12 Slope, Add	32.68	
			For 8 In 12 Slope, Add	39.21	
			For 16" On Center Gable Studs, Add	32.68	

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 17 Shop-Fabricated Structural Wood**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

06 17 53 00-0041	EA	34' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	535.74	169.92
		For 3 In 12 Slope, Add	5.88	
		For 5 In 12 Slope, Add	15.67	
		For 6 In 12 Slope, Add	29.38	
		For 7 In 12 Slope, Add	39.18	
		For 8 In 12 Slope, Add	47.01	
		For 16" On Center Gable Studs, Add	39.18	
06 17 53 00-0042	EA	36' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	558.72	173.70
		For 3 In 12 Slope, Add	6.34	
		For 5 In 12 Slope, Add	16.91	
		For 6 In 12 Slope, Add	31.70	
		For 7 In 12 Slope, Add	42.27	
		For 8 In 12 Slope, Add	50.72	
		For 16" On Center Gable Studs, Add	42.27	
06 17 53 00-0043	EA	38' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	588.25	181.25
		For 3 In 12 Slope, Add	6.77	
		For 5 In 12 Slope, Add	18.06	
		For 6 In 12 Slope, Add	33.86	
		For 7 In 12 Slope, Add	45.15	
		For 8 In 12 Slope, Add	54.18	
		For 16" On Center Gable Studs, Add	45.15	
06 17 53 00-0044	EA	40' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	622.73	188.80
		For 3 In 12 Slope, Add	7.35	
		For 5 In 12 Slope, Add	19.61	
		For 6 In 12 Slope, Add	36.77	
		For 7 In 12 Slope, Add	49.02	
		For 8 In 12 Slope, Add	58.83	
		For 16" On Center Gable Studs, Add	49.02	
06 17 53 00-0045	EA	42' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	689.66	196.35
		For 3 In 12 Slope, Add	8.91	
		For 5 In 12 Slope, Add	23.76	
		For 6 In 12 Slope, Add	44.54	
		For 7 In 12 Slope, Add	59.39	
		For 8 In 12 Slope, Add	71.27	
		For 16" On Center Gable Studs, Add	59.39	
06 17 53 00-0046	EA	44' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	755.18	203.90
		For 3 In 12 Slope, Add	10.42	
		For 5 In 12 Slope, Add	27.79	
		For 6 In 12 Slope, Add	52.11	
		For 7 In 12 Slope, Add	69.47	
		For 8 In 12 Slope, Add	83.37	
		For 16" On Center Gable Studs, Add	69.47	
06 17 53 00-0047	EA	46' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	781.48	211.46
		For 3 In 12 Slope, Add	10.76	
		For 5 In 12 Slope, Add	28.68	
		For 6 In 12 Slope, Add	53.78	
		For 7 In 12 Slope, Add	71.71	
		For 8 In 12 Slope, Add	86.05	
		For 16" On Center Gable Studs, Add	71.71	
06 17 53 00-0048	EA	48' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	821.29	219.01
		For 3 In 12 Slope, Add	11.50	
		For 5 In 12 Slope, Add	30.66	
		For 6 In 12 Slope, Add	57.49	
		For 7 In 12 Slope, Add	76.65	
		For 8 In 12 Slope, Add	91.98	
		For 16" On Center Gable Studs, Add	76.65	
06 17 53 00-0049	EA	50' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	892.93	226.57
		For 3 In 12 Slope, Add	13.19	
		For 5 In 12 Slope, Add	35.18	
		For 6 In 12 Slope, Add	65.97	
		For 7 In 12 Slope, Add	87.96	
		For 8 In 12 Slope, Add	105.55	
		For 16" On Center Gable Studs, Add	87.96	
06 17 53 00-0050	EA	52' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	913.89	234.12
		For 3 In 12 Slope, Add	13.37	
		For 5 In 12 Slope, Add	35.65	
		For 6 In 12 Slope, Add	66.85	
		For 7 In 12 Slope, Add	89.13	
		For 8 In 12 Slope, Add	106.96	
		For 16" On Center Gable Studs, Add	89.13	
06 17 53 00-0051	EA	54' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	942.98	237.89
		For 3 In 12 Slope, Add	14.02	
		For 5 In 12 Slope, Add	37.38	
		For 6 In 12 Slope, Add	70.08	
		For 7 In 12 Slope, Add	93.44	
		For 8 In 12 Slope, Add	112.13	
		For 16" On Center Gable Studs, Add	93.44	
06 17 53 00-0052	EA	56' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	981.04	245.44
		For 3 In 12 Slope, Add	14.70	
		For 5 In 12 Slope, Add	39.21	
		For 6 In 12 Slope, Add	73.52	
		For 7 In 12 Slope, Add	98.03	
		For 8 In 12 Slope, Add	117.64	
		For 16" On Center Gable Studs, Add	98.03	
06 17 53 00-0053	EA	58' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	1,015.79	249.22
		For 3 In 12 Slope, Add	15.52	
		For 5 In 12 Slope, Add	41.39	
		For 6 In 12 Slope, Add	77.60	
		For 7 In 12 Slope, Add	103.47	
		For 8 In 12 Slope, Add	124.16	
		For 16" On Center Gable Studs, Add	103.47	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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06 17 53 00-0054	EA		60' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	1,037.37	253.00
			For 3 In 12 Slope, Add	15.94	
			For 5 In 12 Slope, Add	42.51	
			For 6 In 12 Slope, Add	79.71	
			For 7 In 12 Slope, Add	106.28	
			For 8 In 12 Slope, Add	127.53	
			For 16" On Center Gable Studs, Add	106.28	

06 18 Glued-Laminated Construction (06 10)

06 18 13 Glued-Laminated Beams (06 18)

06 18 13 00-0001 Glue Laminated Straight Beams (06 18 13)

Note: Based on southern yellow pine or hemlock lumber with waterproof glue and factor applied sealer.

06 18 13 00-0002	LF		3-1/2" x 6" Glue Laminated Straight Beam	10.56	3.41
06 18 13 00-0003	LF		3-1/2" x 7-1/2" Glue Laminated Straight Beam	13.20	4.26
06 18 13 00-0004	LF		3-1/2" x 9" Glue Laminated Straight Beam	15.83	5.12
06 18 13 00-0005	LF		3-1/2" x 9-1/2" Glue Laminated Straight Beam	16.71	5.40
06 18 13 00-0006	LF		3-1/2" x 10-1/2" Glue Laminated Straight Beam	18.47	5.96
06 18 13 00-0007	LF		3-1/2" x 12" Glue Laminated Straight Beam	21.12	6.82
06 18 13 00-0008	LF		3-1/2" x 13-1/2" Glue Laminated Straight Beam	23.76	7.67
06 18 13 00-0009	LF		3-1/2" x 14" Glue Laminated Straight Beam	24.64	7.96
06 18 13 00-0010	LF		3-1/2" x 15" Glue Laminated Straight Beam	26.41	8.53
06 18 13 00-0011	LF		3-1/2" x 16" Glue Laminated Straight Beam	28.14	9.10
06 18 13 00-0012	LF		3-1/2" x 16-1/2" Glue Laminated Straight Beam	29.03	9.39
06 18 13 00-0013	LF		3-1/2" x 18" Glue Laminated Straight Beam	31.67	10.25
06 18 13 00-0014	LF		3-1/2" x 19-1/2" Glue Laminated Straight Beam	34.31	11.09
06 18 13 00-0015	LF		3-1/2" x 21" Glue Laminated Straight Beam	36.95	11.95
06 18 13 00-0016	LF		3-1/2" x 22.5" Glue Laminated Straight Beam	39.61	12.80
06 18 13 00-0017	LF		5-1/2" x 6" Glue Laminated Straight Beam	16.59	5.37
06 18 13 00-0018	LF		5-1/2" x 7-1/2" Glue Laminated Straight Beam	20.75	6.71
06 18 13 00-0019	LF		5-1/2" x 9" Glue Laminated Straight Beam	24.89	8.04
06 18 13 00-0020	LF		5-1/2" x 9-1/2" Glue Laminated Straight Beam	26.27	8.49
06 18 13 00-0021	LF		5-1/2" x 10-1/2" Glue Laminated Straight Beam	29.03	9.39
06 18 13 00-0022	LF		5-1/2" x 12" Glue Laminated Straight Beam	33.19	10.72
06 18 13 00-0023	LF		5-1/2" x 13-1/2" Glue Laminated Straight Beam	37.34	12.07
06 18 13 00-0024	LF		5-1/2" x 14" Glue Laminated Straight Beam	38.72	12.51
06 18 13 00-0025	LF		5-1/2" x 15" Glue Laminated Straight Beam	41.48	13.41
06 18 13 00-0026	LF		5-1/2" x 16" Glue Laminated Straight Beam	44.24	14.30
06 18 13 00-0027	LF		5-1/2" x 16-1/2" Glue Laminated Straight Beam	45.64	14.75
06 18 13 00-0028	LF		5-1/2" x 18" Glue Laminated Straight Beam	49.78	16.09
06 18 13 00-0029	LF		5-1/2" x 19-1/2" Glue Laminated Straight Beam	53.93	17.44
06 18 13 00-0030	LF		5-1/2" x 21" Glue Laminated Straight Beam	58.09	18.76
06 18 13 00-0031	LF		5-1/2" x 22.5" Glue Laminated Straight Beam	62.23	20.11
06 18 13 00-0032	LF		5-1/2" x 24" Glue Laminated Straight Beam	66.37	21.45
06 18 13 00-0033	LF		6-3/4" x 9" Glue Laminated Straight Beam	30.56	9.88
06 18 13 00-0034	LF		6-3/4" x 9-1/2" Glue Laminated Straight Beam	32.24	10.42
06 18 13 00-0035	LF		6-3/4" x 10-1/2" Glue Laminated Straight Beam	35.64	11.52
06 18 13 00-0036	LF		6-3/4" x 12" Glue Laminated Straight Beam	40.73	13.16
06 18 13 00-0037	LF		6-3/4" x 13-1/2" Glue Laminated Straight Beam	45.83	14.80
06 18 13 00-0038	LF		6-3/4" x 14" Glue Laminated Straight Beam	47.51	15.36
06 18 13 00-0039	LF		6-3/4" x 15" Glue Laminated Straight Beam	50.91	16.46
06 18 13 00-0040	LF		6-3/4" x 16" Glue Laminated Straight Beam	54.31	17.55
06 18 13 00-0041	LF		6-3/4" x 16-1/2" Glue Laminated Straight Beam	56.00	18.09
06 18 13 00-0042	LF		6-3/4" x 18" Glue Laminated Straight Beam	61.09	19.74
06 18 13 00-0043	LF		6-3/4" x 19-1/2" Glue Laminated Straight Beam	66.18	21.40
06 18 13 00-0044	LF		6-3/4" x 21" Glue Laminated Straight Beam	71.28	23.03
06 18 13 00-0045	LF		6-3/4" x 22.5" Glue Laminated Straight Beam	76.37	24.68
06 18 13 00-0046	LF		6-3/4" x 24" Glue Laminated Straight Beam	81.46	26.33
06 18 13 00-0047	LF		8-3/4" x 9" Glue Laminated Straight Beam	39.61	12.80
06 18 13 00-0048	LF		8-3/4" x 9-1/2" Glue Laminated Straight Beam	41.80	13.50
06 18 13 00-0049	LF		8-3/4" x 10-1/2" Glue Laminated Straight Beam	46.19	14.93
06 18 13 00-0050	LF		8-3/4" x 12" Glue Laminated Straight Beam	52.78	17.06
06 18 13 00-0051	LF		8-3/4" x 13-1/2" Glue Laminated Straight Beam	59.40	19.19
06 18 13 00-0052	LF		8-3/4" x 14" Glue Laminated Straight Beam	61.59	19.91
06 18 13 00-0053	LF		8-3/4" x 15" Glue Laminated Straight Beam	65.98	21.33
06 18 13 00-0054	LF		8-3/4" x 16" Glue Laminated Straight Beam	70.40	22.76
06 18 13 00-0055	LF		8-3/4" x 16-1/2" Glue Laminated Straight Beam	72.60	23.45
06 18 13 00-0056	LF		8-3/4" x 18" Glue Laminated Straight Beam	79.20	25.59
06 18 13 00-0057	LF		8-3/4" x 19-1/2" Glue Laminated Straight Beam	85.80	27.72
06 18 13 00-0058	LF		8-3/4" x 21" Glue Laminated Straight Beam	92.40	29.87
06 18 13 00-0059	LF		8-3/4" x 22.5" Glue Laminated Straight Beam	99.00	31.99
06 18 13 00-0060	LF		8-3/4" x 24" Glue Laminated Straight Beam	105.60	34.13

06 18 13 00-0061 Glue Laminated Decking (06 18 13)

06 18 13 00-0062	LF		2" - 4" Thick x 4" Wide Glue Laminated Decking	5.48	2.21
06 18 13 00-0063	LF		2" - 4" Thick x 6" Wide Glue Laminated Decking	5.66	2.21
06 18 13 00-0064	LF		2" - 4" Thick x 8" Wide Glue Laminated Decking	5.81	2.08

06 18 16 Glued-Laminated Columns (06 18)

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 18 Glued-Laminated Construction**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
06 18 16 00-0001 Glue Laminated Structural Units (06 18 16)

Note: Based on southern yellow pine or hemlock lumber in 2" laminations with waterproof glue and factor applied sealer.

06 18 16 00-0002	LF	3-1/4" x 7-1/2" Glue Laminated Purlin Or Column.....	15.92	4.52
06 18 16 00-0003	LF	3-1/4" x 9-1/4" Glue Laminated Purlin Or Column.....	17.93	5.02
06 18 16 00-0004	LF	5-1/4" x 9-1/4" Glue Laminated Purlin Or Column.....	33.87	10.72
06 18 16 00-0005	LF	5-1/4" x 13" Glue Laminated Purlin Or Column.....	37.14	11.24

06 20 Finish Carpentry (06)**06 22 Millwork** (06 20)**06 22 13 Standard Pattern Wood Trim** (06 22)**06 22 13 00-0001 Pine Moldings (All Dimensions Are Nominal)** (06 22 13)

06 22 13 00-0002	LF	1/4" x 1-1/4" Wood Lattice Strip	3.52	1.29
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.48	
06 22 13 00-0003	LF	1/4" x 1-5/8" Wood Lattice Strip	3.69	1.03
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.48	
06 22 13 00-0004	LF	1/4" x 2-1/2" Wood Lattice Strip	4.63	1.03
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.48	
06 22 13 00-0005	LF	1/4" x 3-1/2" Wood Lattice Strip	5.18	1.03
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.48	

06 22 13 00-0006 Ceilings (All Dimensions Are Nominal) (06 22 13)**06 22 13 00-0007 White Pine** (06 22 13 00-0006)

06 22 13 00-0008	LF	9/16" x 3-5/8" White Pine Crown Or Bed Molding	16.28	4.50
		<i>For Birch, Add</i>	3.55	
		<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	5.08	
		<i>For Poplar, Add</i>	1.97	
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.48	
		<i>For Stain Grade Material (No Finger Joints), Add</i>	1.28	
06 22 13 00-0009	LF	11/16" x 4-5/8" White Pine Crown Or Bed Molding	21.77	5.39
		<i>For Birch, Add</i>	5.07	
		<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	7.10	
		<i>For Poplar, Add</i>	2.81	
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.77	
		<i>For Stain Grade Material (No Finger Joints), Add</i>	1.83	
06 22 13 00-0010	LF	3/4" x 3/4" White Pine Crown Or Bed Molding	8.07	3.08
		<i>For Birch, Add</i>	1.06	
		<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	1.84	
		<i>For Poplar, Add</i>	0.59	
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.18	
		<i>For Stain Grade Material (No Finger Joints), Add</i>	0.38	
06 22 13 00-0011	LF	9/16" x 1-5/8" White Pine Crown Or Bed Molding	9.13	3.08
		<i>For Birch, Add</i>	1.44	
		<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	2.31	
		<i>For Poplar, Add</i>	0.80	
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.18	
		<i>For Stain Grade Material (No Finger Joints), Add</i>	0.52	
06 22 13 00-0012	LF	9/16" x 2-1/4" White Pine Crown Or Bed Molding	11.97	3.85
		<i>For Birch, Add</i>	2.00	
		<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	3.14	
		<i>For Poplar, Add</i>	1.11	
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.48	
		<i>For Stain Grade Material (No Finger Joints), Add</i>	0.72	
06 22 13 00-0013	LF	3/4" x 3-1/2" White Pine Crown Or Bed Molding	13.73	3.85
		<i>For Birch, Add</i>	2.63	
		<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	3.93	
		<i>For Poplar, Add</i>	1.46	
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.48	
		<i>For Stain Grade Material (No Finger Joints), Add</i>	0.95	
06 22 13 00-0014	LF	5/8" x 4-1/4" White Pine Crown Or Bed Molding	17.04	4.62
		<i>For Birch, Add</i>	3.36	
		<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	4.97	
		<i>For Poplar, Add</i>	1.87	
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.77	
		<i>For Stain Grade Material (No Finger Joints), Add</i>	1.21	
06 22 13 00-0015	LF	1" x 2" White Pine Dentil Molding	8.34	3.59
		<i>For Birch, Add</i>	1.16	
		<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	1.96	
		<i>For Poplar, Add</i>	0.64	
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.18	
		<i>For Stain Grade Material (No Finger Joints), Add</i>	0.42	
06 22 13 00-0016	LF	9/16" x 1-3/4" White Pine Cove Molding	7.01	2.70
		<i>For Birch, Add</i>	1.14	
		<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	1.81	
		<i>For Poplar, Add</i>	0.63	
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.89	
		<i>For Stain Grade Material (No Finger Joints), Add</i>	0.41	
06 22 13 00-0017	LF	11/16" x 2-3/4" White Pine Cove Molding	10.39	2.70
		<i>For Birch, Add</i>	2.35	
		<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	3.33	
		<i>For Poplar, Add</i>	1.31	
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.89	
		<i>For Stain Grade Material (No Finger Joints), Add</i>	0.85	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 22 13 00-0018	LF		3/8" x 3/8" White Pine Cove Molding	4.17	1.54
			For Birch, Add	0.54	
			For Mahogany, Oak, Maple Or Walnut, Add	0.94	
			For Poplar, Add	0.30	
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.62	
			For Stain Grade Material (No Finger Joints), Add	0.19	
06 22 13 00-0019	LF		1/2" x 1/2" White Pine Cove Molding	4.55	1.54
			For Birch, Add	0.67	
			For Mahogany, Oak, Maple Or Walnut, Add	1.11	
			For Poplar, Add	0.37	
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.62	
			For Stain Grade Material (No Finger Joints), Add	0.24	
06 22 13 00-0020	LF		5/8" x 5/8" White Pine Cove Molding	6.04	1.92
			For Birch, Add	1.02	
			For Mahogany, Oak, Maple Or Walnut, Add	1.59	
			For Poplar, Add	0.57	
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.74	
			For Stain Grade Material (No Finger Joints), Add	0.37	
06 22 13 00-0021	LF		3/4" x 3/4" White Pine Cove Molding	6.04	1.92
			For Birch, Add	1.02	
			For Mahogany, Oak, Maple Or Walnut, Add	1.59	
			For Poplar, Add	0.57	
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.74	
			For Stain Grade Material (No Finger Joints), Add	0.37	
06 22 13 00-0022	LF		15/16" x 15/16" White Pine Cove Molding	7.75	1.92
			For Birch, Add	1.63	
			For Mahogany, Oak, Maple Or Walnut, Add	2.36	
			For Poplar, Add	0.91	
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.74	
			For Stain Grade Material (No Finger Joints), Add	0.59	
06 22 13 00-0023	LF		7-1/2" Wide White Pine Mullion Covers	49.12	2.31
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.06	
06 22 13 00-0024	LF		Three Piece White Pine Mullion Trim, 2 Cove Moldings	62.09	2.31
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.06	
06 22 13 00-0025	LF		2-1/2" - 3-1/2" White Pine Staff Molding	19.54	1.29
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.62	
06 22 13 00-0026	LF		2-1/2" - 3-1/2" White Pine Cove Staff Molding	23.87	1.29
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.62	
06 22 13 00-0027			Cedar Trim (06 22 13 00-0006)		
06 22 13 00-0028	LF		2" x 4" Cedar Ceiling Trim	14.12	6.46
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	2.14	
06 22 13 00-0029			Oak Trim (06 22 13 00-0006)		
06 22 13 00-0030	LF		1" x 8" Clear Oak Ceiling Trim	14.61	5.95
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.98	
06 22 13 00-0031			Closet Poles (06 22 13)		
06 22 13 00-0032	LF		1-1/8" Diameter Pine Closet Poles	12.28	3.34
06 22 13 00-0033	LF		1-5/8" Diameter Pine Closet Poles	14.81	3.34
06 22 13 00-0034	LF		2" Diameter Pine Closet Poles	20.02	3.72
06 25			Prefinished Paneling (06 20)		
06 25 16			Prefinished Plywood Paneling (06 25)		
06 25 16 00-0001			Hardboard Panels (06 25 16)		
			Note: Excludes furring and trim.		
06 25 16 00-0002			Tempered Hardboard Panels (06 25 16 00-0001)		
06 25 16 00-0003	SF		1/4" Tempered Hardboard Panels	7.41	2.32
			For Waterproof Glue, Add	0.15	
			For Ceiling Installation, Add	1.59	
			For Glue Laminated Installation, Add	0.37	
			For 1/8" Thick Paneling, Deduct	-0.72	
			For 1/2" Thick Paneling, Add	1.78	
			For 5/8" Thick Paneling, Add	2.22	
			For 3/4" Thick Paneling, Add	2.80	
			For Fire Retardant Treatment (Class I), Add	1.67	
06 25 16 00-0004	SF		1/4" Plastic Faced Tempered Hardboard Panels	8.15	2.84
			For Waterproof Glue, Add	0.14	
			For Ceiling Installation, Add	1.86	
			For Glue Laminated Installation, Add	0.41	
			For 1/8" Thick Paneling, Deduct	-0.76	
			For 1/2" Thick Paneling, Add	1.79	
			For 5/8" Thick Paneling, Add	2.20	
			For 3/4" Thick Paneling, Add	2.72	
			For Fire Retardant Treatment (Class I), Add	1.53	

06 Wood, Plastics, and Composites**06 20 Finish Carpentry****06 25 Prefinished Paneling**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

06 25 16 00-0005	SF	1/4" Pegboard Tempered Hardboard Panels	8.86	2.32
		For Waterproof Glue, Add	0.25	
		For Ceiling Installation, Add	1.59	
		For Glue Laminated Installation, Add	0.44	
		For 1/8" Thick Paneling, Deduct	-0.97	
		For 1/2" Thick Paneling, Add	2.56	
		For 5/8" Thick Paneling, Add	3.31	
		For 3/4" Thick Paneling, Add	4.28	
		For Fire Retardant Treatment (Class I), Add	2.82	
06 25 16 00-0006	SF	1/4" Plastic Faced Pegboard Tempered Hardboard	8.59	2.84
		For Waterproof Glue, Add	0.17	
		For Ceiling Installation, Add	1.86	
		For Glue Laminated Installation, Add	0.43	
		For 1/8" Thick Paneling, Deduct	-0.83	
		For 1/2" Thick Paneling, Add	2.03	
		For 5/8" Thick Paneling, Add	2.53	
		For 3/4" Thick Paneling, Add	3.17	
		For Fire Retardant Treatment (Class I), Add	1.88	
06 25 16 00-0007		Untempered Hardboard Panels (06 25 16 00-0001)		
06 25 16 00-0008	SF	1/4" Untempered Hardboard Panels	6.95	2.32
		For Waterproof Glue, Add	0.12	
		For Glue Laminated Installation, Add	0.35	
		For Lumber Core, Add	0.18	
		For Fire Retardant Treatment (Class I), Add	1.31	

06 40 Architectural Woodwork ⁽⁰⁶⁾**06 41 Architectural Wood Casework** ^(06 40)**06 41 13 Wood-Veneer-Faced Architectural Cabinets** ^(06 41)**06 41 13 00-0001 Removal And Reinstallation Of Cabinet Or Counters** ^(06 41 13)

Note: Includes storage, cleaning and supply materials. Any height or width.

06 41 13 00-0002	LF	Removal And Reinstallation Of Wood Base Cabinets	98.23	
06 41 13 00-0003	LF	Removal And Reinstallation Of Wall Cabinets	85.41	
06 41 13 00-0004	LF	Removal And Reinstallation Of Plastic Laminated Countertops	20.23	

06 41 13 00-0005 Wood-Veneer Faced Wall And Base Cabinets ^(06 41 13)

Note: Kitchen cabinets are constructed of 3/8" and 1/2" thick laminated particleboard with corner braces. Shelves are 3/4" laminated particleboard. The face frame is 3/4" x 1-1/2" solid wood. Hinges are 6 way adjustable, fully concealed steel. Drawers are 1/2" thick laminated particleboard boxes with 3/8" laminated particleboard bottoms. Drawer guides are side mounted, epoxy coated double rails. Excludes door or drawer pull hardware.

06 41 13 00-0006 Solid Maple Face Frame And Door, Wall And Base Cabinets ^(06 41 13 00-0005)**06 41 13 00-0007 Base Cabinets, 35" High, 23-3/4" Deep** ^(06 41 13 00-0006)

06 41 13 00-0008	EA	12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	422.73	25.67
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	124.17	
		For All Plywood Box Construction, Add	129.43	
06 41 13 00-0009	EA	15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	449.68	32.09
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	124.17	
		For All Plywood Box Construction, Add	129.43	
06 41 13 00-0010	EA	18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	470.15	38.52
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	124.17	
		For All Plywood Box Construction, Add	129.43	
06 41 13 00-0011	EA	21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	494.58	44.94
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	124.17	
		For All Plywood Box Construction, Add	129.43	
06 41 13 00-0012	EA	24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	562.49	51.36
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	124.17	
		For All Plywood Box Construction, Add	129.43	
06 41 13 00-0013	EA	27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	587.95	57.78
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	124.17	
		For All Plywood Box Construction, Add	129.43	
06 41 13 00-0014	EA	30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	635.81	64.19
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	124.17	
		For All Plywood Box Construction, Add	129.43	
06 41 13 00-0015	EA	33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	669.68	70.61
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	124.17	
		For All Plywood Box Construction, Add	129.43	
06 41 13 00-0016	EA	36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	690.48	77.03
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	124.17	
		For All Plywood Box Construction, Add	129.43	
06 41 13 00-0017	EA	48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	787.41	102.71
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	248.34	
		For All Plywood Box Construction, Add	129.43	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0018	EA		30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	871.52 248.34 129.43	64.19
06 41 13 00-0019	EA		36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	967.23 248.34 129.43	77.03
06 41 13 00-0020	EA		30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	914.66 372.51 129.43	64.19
06 41 13 00-0021	EA		36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	1,020.89 372.51 129.43	77.03
06 41 13 00-0022	EA		12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	429.04 372.51 129.43	25.67
06 41 13 00-0023	EA		15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	439.16 372.51 129.43	32.09
06 41 13 00-0024	EA		18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	479.62 372.51 129.43	38.52
06 41 13 00-0025	EA		21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	510.36 372.51 129.43	44.94
06 41 13 00-0026	EA		24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	531.97 372.51 129.43	51.36
06 41 13 00-0027	EA		27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	558.49 372.51 129.43	57.78
06 41 13 00-0028	EA		30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	912.56 372.51 129.43	64.19
06 41 13 00-0029	EA		33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	962.21 372.51 129.43	70.61
06 41 13 00-0030	EA		36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	1,011.42 372.51 129.43	77.03
06 41 13 00-0031	EA		12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	525.85 496.68 129.43	25.67
06 41 13 00-0032	EA		15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	537.02 496.68 129.43	32.09
06 41 13 00-0033	EA		18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	582.74 496.68 129.43	38.52
06 41 13 00-0034	EA		21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	619.80 496.68 129.43	44.94
06 41 13 00-0035	EA		24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	651.93 496.68 129.43	51.36
06 41 13 00-0036	EA		27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	684.76 496.68 129.43	57.78
06 41 13 00-0037	EA		30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	956.75 496.68 129.43	64.19
06 41 13 00-0038	EA		33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	1,011.67 496.68 129.43	70.61
06 41 13 00-0039	EA		36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	1,068.25 496.68 129.43	77.03

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 41 Architectural Wood Casework**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

06 41 13 00-0040 Wall Cabinet, 12" High, 12" Deep (06 41 13 00-0006)					
06 41 13 00-0041	EA	30" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet.....	379.58	64.19	
		For All Plywood Box Construction, Add	69.45		
06 41 13 00-0042	EA	33" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet.....	404.80	70.61	
		For All Plywood Box Construction, Add	69.45		
06 41 13 00-0043	EA	36" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet.....	446.17	77.03	
		For All Plywood Box Construction, Add	69.45		
06 41 13 00-0044	EA	39" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet.....	475.63	83.45	
		For All Plywood Box Construction, Add	69.45		
06 41 13 00-0045 Wall Cabinets, 14" High, 12" Deep (06 41 13 00-0006)					
06 41 13 00-0046	EA	12" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	322.15	25.67	
		For All Plywood Box Construction, Add	69.45		
06 41 13 00-0047	EA	15" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	329.97	32.09	
		For All Plywood Box Construction, Add	69.45		
06 41 13 00-0048	EA	18" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	346.23	38.52	
		For All Plywood Box Construction, Add	69.45		
06 41 13 00-0049	EA	21" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	355.11	44.94	
		For All Plywood Box Construction, Add	69.45		
06 41 13 00-0050	EA	24" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	365.04	51.36	
		For All Plywood Box Construction, Add	69.45		
06 41 13 00-0051	EA	30" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet.....	382.33	64.19	
		For All Plywood Box Construction, Add	69.45		
06 41 13 00-0052	EA	33" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet.....	409.12	70.61	
		For All Plywood Box Construction, Add	69.45		
06 41 13 00-0053	EA	36" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet.....	446.17	77.03	
		For All Plywood Box Construction, Add	69.45		
06 41 13 00-0054	EA	39" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet.....	475.63	83.45	
		For All Plywood Box Construction, Add	69.45		
06 41 13 00-0055 Wall Cabinets, 18" High, 12" Deep (06 41 13 00-0006)					
06 41 13 00-0056	EA	12" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	334.78	25.67	
		For All Plywood Box Construction, Add	69.45		
06 41 13 00-0057	EA	15" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	352.07	32.09	
		For All Plywood Box Construction, Add	69.45		
06 41 13 00-0058	EA	18" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	365.17	38.52	
		For All Plywood Box Construction, Add	69.45		
06 41 13 00-0059	EA	21" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	379.31	44.94	
		For All Plywood Box Construction, Add	69.45		
06 41 13 00-0060	EA	24" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	398.71	51.36	
		For All Plywood Box Construction, Add	69.45		
06 41 13 00-0061	EA	27" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet.....	421.04	57.80	
		For All Plywood Box Construction, Add	69.45		
06 41 13 00-0062	EA	30" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet.....	441.26	64.19	
		For All Plywood Box Construction, Add	69.45		
06 41 13 00-0063	EA	33" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet.....	457.52	70.61	
		For All Plywood Box Construction, Add	69.45		
06 41 13 00-0064	EA	36" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet.....	467.22	77.03	
		For All Plywood Box Construction, Add	69.45		
06 41 13 00-0065 Wall Cabinets, 30" High, 12" Deep (06 41 13 00-0006)					
06 41 13 00-0066	EA	12" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	364.87	25.67	
		For All Plywood Box Construction, Add	69.45		
06 41 13 00-0067	EA	15" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	396.94	32.09	
		For All Plywood Box Construction, Add	69.45		
06 41 13 00-0068	EA	18" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	423.44	38.52	
		For All Plywood Box Construction, Add	69.45		
06 41 13 00-0069	EA	21" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	455.39	44.94	
		For All Plywood Box Construction, Add	69.45		
06 41 13 00-0070	EA	24" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	486.33	51.36	
		For All Plywood Box Construction, Add	69.45		
06 41 13 00-0071	EA	27" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet.....	532.84	57.80	
		For All Plywood Box Construction, Add	69.45		
06 41 13 00-0072	EA	30" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet.....	545.71	64.19	
		For All Plywood Box Construction, Add	69.45		
06 41 13 00-0073	EA	33" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet.....	594.77	70.61	
		For All Plywood Box Construction, Add	69.45		
06 41 13 00-0074	EA	36" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet.....	612.26	77.03	
		For All Plywood Box Construction, Add	69.45		
06 41 13 00-0075 Wall Cabinets, 36" High, 12" Deep (06 41 13 00-0006)					
06 41 13 00-0076	EA	12" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	410.12	25.67	
		For All Plywood Box Construction, Add	69.45		
06 41 13 00-0077	EA	15" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	444.29	32.09	
		For All Plywood Box Construction, Add	69.45		
06 41 13 00-0078	EA	18" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	473.95	38.52	
		For All Plywood Box Construction, Add	69.45		
06 41 13 00-0079	EA	21" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	508.00	44.94	
		For All Plywood Box Construction, Add	69.45		
06 41 13 00-0080	EA	24" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	594.72	51.36	
		For All Plywood Box Construction, Add	69.45		
06 41 13 00-0081	EA	27" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet.....	598.08	57.80	
		For All Plywood Box Construction, Add	69.45		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0082	EA	30" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	619.37	64.19
		<i>For All Plywood Box Construction, Add</i>	69.45	
06 41 13 00-0083	EA	33" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	676.85	70.61
		<i>For All Plywood Box Construction, Add</i>	69.45	
06 41 13 00-0084	EA	36" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	694.34	77.03
		<i>For All Plywood Box Construction, Add</i>	69.45	
06 41 13 00-0085 Wall Cabinets, 42" High, 12" Deep (06 41 13 00-0006)				
06 41 13 00-0086	EA	12" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	457.47	25.67
		<i>For All Plywood Box Construction, Add</i>	69.45	
06 41 13 00-0087	EA	15" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	499.01	32.09
		<i>For All Plywood Box Construction, Add</i>	69.45	
06 41 13 00-0088	EA	18" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	530.78	38.52
		<i>For All Plywood Box Construction, Add</i>	69.45	
06 41 13 00-0089	EA	21" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	563.78	44.94
		<i>For All Plywood Box Construction, Add</i>	69.45	
06 41 13 00-0090	EA	24" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	613.66	51.36
		<i>For All Plywood Box Construction, Add</i>	69.45	
06 41 13 00-0091	EA	27" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	654.91	57.80
		<i>For All Plywood Box Construction, Add</i>	69.45	
06 41 13 00-0092	EA	30" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	688.82	64.19
		<i>For All Plywood Box Construction, Add</i>	69.45	
06 41 13 00-0093	EA	33" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	753.66	70.61
		<i>For All Plywood Box Construction, Add</i>	69.45	
06 41 13 00-0094	EA	36" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	776.42	77.03
		<i>For All Plywood Box Construction, Add</i>	69.45	
06 41 13 00-0095 Wall Cabinets, 12" High, 23-3/4" Deep (06 41 13 00-0006)				
06 41 13 00-0096	EA	30" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	434.82	64.19
		<i>For All Plywood Box Construction, Add</i>	69.45	
06 41 13 00-0097	EA	33" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	466.59	70.61
		<i>For All Plywood Box Construction, Add</i>	69.45	
06 41 13 00-0098	EA	36" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	501.07	77.03
		<i>For All Plywood Box Construction, Add</i>	69.45	
06 41 13 00-0099	EA	39" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	541.45	83.45
		<i>For All Plywood Box Construction, Add</i>	69.45	
06 41 13 00-0100	EA	48" Wide, 12" High x 23-3/4" Deep, Triple Door, Solid Maple Face Frame and Door, Wall Cabinet	638.75	102.71
		<i>For All Plywood Box Construction, Add</i>	69.45	
06 41 13 00-0101 Utility Cabinets, 84" High (06 41 13 00-0006)				
06 41 13 00-0102	EA	15" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet	832.58	57.06
		<i>For All Plywood Box Construction, Add</i>	256.76	
06 41 13 00-0103	EA	18" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet	941.24	68.47
		<i>For All Plywood Box Construction, Add</i>	256.76	
06 41 13 00-0104	EA	21" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet	1,057.27	536.38
		<i>For All Plywood Box Construction, Add</i>	256.76	
06 41 13 00-0105	EA	24" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet	1,111.23	91.30
		<i>For All Plywood Box Construction, Add</i>	256.76	
06 41 13 00-0106	EA	30" Wide, 84" High x 12" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet	1,343.01	114.12
		<i>For All Plywood Box Construction, Add</i>	256.76	
06 41 13 00-0107	EA	36" Wide, 84" High x 12" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet	1,547.42	136.95
		<i>For All Plywood Box Construction, Add</i>	256.76	
06 41 13 00-0108	EA	15" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet	939.91	57.06
		<i>For All Plywood Box Construction, Add</i>	256.76	
06 41 13 00-0109	EA	18" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet	1,039.10	68.47
		<i>For All Plywood Box Construction, Add</i>	256.76	
06 41 13 00-0110	EA	21" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet	1,185.65	79.89
		<i>For All Plywood Box Construction, Add</i>	256.76	
06 41 13 00-0111	EA	24" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet	1,259.60	91.30
		<i>For All Plywood Box Construction, Add</i>	256.76	
06 41 13 00-0112	EA	30" Wide, 84" High x 24" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet	1,560.83	114.12
		<i>For All Plywood Box Construction, Add</i>	256.76	
06 41 13 00-0113	EA	36" Wide, 84" High x 24" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet	1,783.13	136.95
		<i>For All Plywood Box Construction, Add</i>	256.76	
06 41 13 00-0114 Solid Oak Face Frame And Door, Wall And Base Cabinets (06 41 13 00-0005)				
06 41 13 00-0115 Base Cabinets, 35" High, 23-3/4" Deep (06 41 13 00-0114)				
06 41 13 00-0116	EA	12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer	381.69	25.67
		Front, Base Cabinet		
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	124.17	
		<i>For All Plywood Box Construction, Add</i>	129.43	
06 41 13 00-0117	EA	15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer	405.48	32.09
		Front, Base Cabinet		
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	124.17	
		<i>For All Plywood Box Construction, Add</i>	129.43	
06 41 13 00-0118	EA	18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer	423.85	38.52
		Front, Base Cabinet		
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	124.17	
		<i>For All Plywood Box Construction, Add</i>	129.43	
06 41 13 00-0119	EA	21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer	446.17	44.94
		Front, Base Cabinet		
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	124.17	
		<i>For All Plywood Box Construction, Add</i>	129.43	

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

06 41 13 00-0120	EA	24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet.....	505.67	51.36
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	124.17	
		<i>For All Plywood Box Construction, Add</i>	129.43	
06 41 13 00-0121	EA	27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet.....	529.02	57.78
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	124.17	
		<i>For All Plywood Box Construction, Add</i>	129.43	
06 41 13 00-0122	EA	30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet.....	570.57	64.19
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	124.17	
		<i>For All Plywood Box Construction, Add</i>	129.43	
06 41 13 00-0123	EA	33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet.....	601.28	70.61
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	124.17	
		<i>For All Plywood Box Construction, Add</i>	129.43	
06 41 13 00-0124	EA	36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet.....	619.97	77.03
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	124.17	
		<i>For All Plywood Box Construction, Add</i>	129.43	
06 41 13 00-0125	EA	48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet.....	706.39	102.71
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	248.34	
		<i>For All Plywood Box Construction, Add</i>	129.43	
06 41 13 00-0126	EA	30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet.....	778.92	64.19
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	248.34	
		<i>For All Plywood Box Construction, Add</i>	129.43	
06 41 13 00-0127	EA	36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet.....	863.05	77.03
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	248.34	
		<i>For All Plywood Box Construction, Add</i>	129.43	
06 41 13 00-0128	EA	30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet.....	816.80	64.19
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	372.51	
		<i>For All Plywood Box Construction, Add</i>	129.43	
06 41 13 00-0129	EA	36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet.....	910.40	77.03
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	372.51	
		<i>For All Plywood Box Construction, Add</i>	129.43	
06 41 13 00-0130	EA	12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet.....	388.00	25.67
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	372.51	
		<i>For All Plywood Box Construction, Add</i>	129.43	
06 41 13 00-0131	EA	15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet.....	397.06	32.09
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	372.51	
		<i>For All Plywood Box Construction, Add</i>	129.43	
06 41 13 00-0132	EA	18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet.....	432.27	38.52
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	372.51	
		<i>For All Plywood Box Construction, Add</i>	129.43	
06 41 13 00-0133	EA	21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet.....	459.85	44.94
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	372.51	
		<i>For All Plywood Box Construction, Add</i>	129.43	
06 41 13 00-0134	EA	24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet.....	479.36	51.36
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	372.51	
		<i>For All Plywood Box Construction, Add</i>	129.43	
06 41 13 00-0135	EA	27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet.....	502.72	57.78
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	372.51	
		<i>For All Plywood Box Construction, Add</i>	129.43	
06 41 13 00-0136	EA	30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet.....	814.70	64.19
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	372.51	
		<i>For All Plywood Box Construction, Add</i>	129.43	
06 41 13 00-0137	EA	33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet.....	858.04	70.61
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	372.51	
		<i>For All Plywood Box Construction, Add</i>	129.43	
06 41 13 00-0138	EA	36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet.....	901.99	77.03
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	372.51	
		<i>For All Plywood Box Construction, Add</i>	129.43	
06 41 13 00-0139	EA	12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet.....	472.18	25.67
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	496.68	
		<i>For All Plywood Box Construction, Add</i>	129.43	
06 41 13 00-0140	EA	15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet.....	483.35	32.09
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	496.68	
		<i>For All Plywood Box Construction, Add</i>	129.43	
06 41 13 00-0141	EA	18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet.....	523.81	38.52
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	496.68	
		<i>For All Plywood Box Construction, Add</i>	129.43	
06 41 13 00-0142	EA	21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet.....	556.66	44.94
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	496.68	
		<i>For All Plywood Box Construction, Add</i>	129.43	
06 41 13 00-0143	EA	24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet.....	584.59	51.36
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	496.68	
		<i>For All Plywood Box Construction, Add</i>	129.43	
06 41 13 00-0144	EA	27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet.....	614.26	57.78
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	496.68	
		<i>For All Plywood Box Construction, Add</i>	129.43	
06 41 13 00-0145	EA	30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet.....	853.63	64.19
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	496.68	
		<i>For All Plywood Box Construction, Add</i>	129.43	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0146	EA	33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	902.23 496.68 129.43	70.61
06 41 13 00-0147	EA	36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	952.49 496.68 129.43	77.03
06 41 13 00-0148 Wall Cabinets, 12" High, 12" Deep (06 41 13 00-0114)				
06 41 13 00-0149	EA	30" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	343.81 69.45	64.19
06 41 13 00-0150	EA	33" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	365.86 69.45	70.61
06 41 13 00-0151	EA	36" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	403.03 69.45	77.03
06 41 13 00-0152	EA	39" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	429.33 69.45	83.45
06 41 13 00-0153 Wall Cabinets, 14" High, 12" Deep (06 41 13 00-0114)				
06 41 13 00-0154	EA	12" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	292.69 69.45	25.67
06 41 13 00-0155	EA	15" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	299.46 69.45	32.09
06 41 13 00-0156	EA	18" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	313.61 69.45	38.52
06 41 13 00-0157	EA	21" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	322.48 69.45	44.94
06 41 13 00-0158	EA	24" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	331.37 69.45	51.36
06 41 13 00-0159	EA	30" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	346.56 69.45	64.19
06 41 13 00-0160	EA	33" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	370.18 69.45	70.61
06 41 13 00-0161	EA	36" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	403.03 69.45	77.03
06 41 13 00-0162	EA	39" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	429.33 69.45	83.45
06 41 13 00-0163 Wall Cabinets, 18" High, 12" Deep (06 41 13 00-0114)				
06 41 13 00-0164	EA	12" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	303.21 69.45	25.67
06 41 13 00-0165	EA	15" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	318.40 69.45	32.09
06 41 13 00-0166	EA	18" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	330.45 69.45	38.52
06 41 13 00-0167	EA	21" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	343.53 69.45	44.94
06 41 13 00-0168	EA	24" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	360.83 69.45	51.36
06 41 13 00-0169	EA	27" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	381.05 69.45	57.80
06 41 13 00-0170	EA	30" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	398.12 69.45	64.19
06 41 13 00-0171	EA	33" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	413.32 69.45	70.61
06 41 13 00-0172	EA	36" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	421.97 69.45	77.03
06 41 13 00-0173 Wall Cabinets, 30" High, 12" Deep (06 41 13 00-0114)				
06 41 13 00-0174	EA	12" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	332.25 69.45	25.67
06 41 13 00-0175	EA	15" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	361.16 69.45	32.09
06 41 13 00-0176	EA	18" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	384.51 69.45	38.52
06 41 13 00-0177	EA	21" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	412.25 69.45	44.94
06 41 13 00-0178	EA	24" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	440.03 69.45	51.36
06 41 13 00-0179	EA	27" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	481.28 69.45	57.80
06 41 13 00-0180	EA	30" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	493.09 69.45	64.19
06 41 13 00-0181	EA	33" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	535.84 69.45	70.61
06 41 13 00-0182	EA	36" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	552.28 69.45	77.03
06 41 13 00-0183 Wall Cabinets, 36" High, 12" Deep (06 41 13 00-0114)				
06 41 13 00-0184	EA	12" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	372.23 69.45	25.67
06 41 13 00-0185	EA	15" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	402.20 69.45	32.09

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST		
06 41 13 00-0186	EA 18" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet For All Plywood Box Construction, Add	428.71 69.45		38.52	
06 41 13 00-0187	EA 21" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet For All Plywood Box Construction, Add	458.55 69.45		44.94	
06 41 13 00-0188	EA 24" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet For All Plywood Box Construction, Add	535.79 69.45		51.36	
06 41 13 00-0189	EA 27" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet..... For All Plywood Box Construction, Add	538.10 69.45		57.80	
06 41 13 00-0190	EA 30" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet..... For All Plywood Box Construction, Add	557.28 69.45		64.19	
06 41 13 00-0191	EA 33" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet..... For All Plywood Box Construction, Add	608.45 69.45		70.61	
06 41 13 00-0192	EA 36" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet..... For All Plywood Box Construction, Add	623.83 69.45		77.03	
06 41 13 00-0193 Wall Cabinets, 42" High, 12" Deep (06 41 13 00-0114)					
06 41 13 00-0194	EA 12" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet For All Plywood Box Construction, Add	413.27 69.45		25.67	
06 41 13 00-0195	EA 15" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet For All Plywood Box Construction, Add	450.61 69.45		32.09	
06 41 13 00-0196	EA 18" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet For All Plywood Box Construction, Add	479.22 69.45		38.52	
06 41 13 00-0197	EA 21" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet For All Plywood Box Construction, Add	508.00 69.45		44.94	
06 41 13 00-0198	EA 24" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet For All Plywood Box Construction, Add	552.63 69.45		51.36	
06 41 13 00-0199	EA 27" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet..... For All Plywood Box Construction, Add	588.61 69.45		57.80	
06 41 13 00-0200	EA 30" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet..... For All Plywood Box Construction, Add	618.31 69.45		64.19	
06 41 13 00-0201	EA 33" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet..... For All Plywood Box Construction, Add	675.79 69.45		70.61	
06 41 13 00-0202	EA 36" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet..... For All Plywood Box Construction, Add	696.44 69.45		77.03	
06 41 13 00-0203 Wall Cabinets, 12" High, 23-3/4" Deep (06 41 13 00-0114)					
06 41 13 00-0204	EA 30" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet For All Plywood Box Construction, Add	393.79 69.45		64.19	
06 41 13 00-0205	EA 33" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet For All Plywood Box Construction, Add	422.39 69.45		70.61	
06 41 13 00-0206	EA 36" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet For All Plywood Box Construction, Add	452.66 69.45		77.03	
06 41 13 00-0207	EA 39" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet For All Plywood Box Construction, Add	488.83 69.45		83.45	
06 41 13 00-0208	EA 48" Wide, 12" High x 23-3/4" Deep, Triple Door, Solid Oak Face Frame and Door, Wall Cabinet..... For All Plywood Box Construction, Add	574.56 69.45		102.71	
06 41 13 00-0209 Utility Cabinets, 84" High (06 41 13 00-0114)					
06 41 13 00-0210	EA 15" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet..... For All Plywood Box Construction, Add	756.81 256.76		57.06	
06 41 13 00-0211	EA 18" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet..... For All Plywood Box Construction, Add	854.95 256.76		68.47	
06 41 13 00-0212	EA 21" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet..... For All Plywood Box Construction, Add	959.41 256.76		536.38	
06 41 13 00-0213	EA 24" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet..... For All Plywood Box Construction, Add	1,009.16 256.76		91.30	
06 41 13 00-0214	EA 30" Wide, 84" High x 12" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet For All Plywood Box Construction, Add	1,214.63 256.76		114.12	
06 41 13 00-0215	EA 36" Wide, 84" High x 12" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet For All Plywood Box Construction, Add	1,396.95 256.76		136.95	
06 41 13 00-0216	EA 15" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet..... For All Plywood Box Construction, Add	851.52 256.76		57.06	
06 41 13 00-0217	EA 18" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet..... For All Plywood Box Construction, Add	941.24 256.76		68.47	
06 41 13 00-0218	EA 21" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet..... For All Plywood Box Construction, Add	1,072.00 256.76		79.89	
06 41 13 00-0219	EA 24" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet..... For All Plywood Box Construction, Add	1,139.64 256.76		91.30	
06 41 13 00-0220	EA 30" Wide, 84" High x 24" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet For All Plywood Box Construction, Add	1,406.14 256.76		114.12	
06 41 13 00-0221	EA 36" Wide, 84" High x 24" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet For All Plywood Box Construction, Add	1,604.25 256.76		136.95	
06 41 13 00-0222 Solid Wood Face Frame And Thermofoil Door, Wall And Base Cabinets (06 41 13 00-0005)					
06 41 13 00-0223 Base Cabinets, 35" High, 23-3/4" Deep (06 41 13 00-0222)					
06 41 13 00-0224	EA 12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add For All Plywood Box Construction, Add	381.69 124.17 129.43		25.67	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0225	EA		15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	405.48 124.17 129.43	32.09
06 41 13 00-0226	EA		18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	423.85 124.17 129.43	38.52
06 41 13 00-0227	EA		21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	446.17 124.17 129.43	44.94
06 41 13 00-0228	EA		24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	505.67 124.17 129.43	51.36
06 41 13 00-0229	EA		27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	529.02 124.17 129.43	57.78
06 41 13 00-0230	EA		30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	570.57 124.17 129.43	64.19
06 41 13 00-0231	EA		33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	601.28 124.17 129.43	70.61
06 41 13 00-0232	EA		36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	619.97 124.17 129.43	77.03
06 41 13 00-0233	EA		48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	706.39 248.34 129.43	102.71
06 41 13 00-0234	EA		30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	778.92 248.34 129.43	64.19
06 41 13 00-0235	EA		36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	863.05 248.34 129.43	77.03
06 41 13 00-0236	EA		30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	816.80 372.51 129.43	64.19
06 41 13 00-0237	EA		36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	910.40 372.51 129.43	77.03
06 41 13 00-0238	EA		12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	388.00 372.51 129.43	25.67
06 41 13 00-0239	EA		15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	397.06 372.51 129.43	32.09
06 41 13 00-0240	EA		18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	432.27 372.51 129.43	38.52
06 41 13 00-0241	EA		21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	459.85 372.51 129.43	44.94
06 41 13 00-0242	EA		24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	479.36 372.51 129.43	51.36
06 41 13 00-0243	EA		27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	502.72 372.51 129.43	57.78
06 41 13 00-0244	EA		30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	814.70 372.51 129.43	64.19
06 41 13 00-0245	EA		33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	858.04 372.51 129.43	70.61
06 41 13 00-0246	EA		36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	901.99 372.51 129.43	77.03

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 41 Architectural Wood Casework**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

06 41 13 00-0247	EA	12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	472.18	25.67
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	496.68	
		<i>For All Plywood Box Construction, Add</i>	129.43	
06 41 13 00-0248	EA	15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	483.35	32.09
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	496.68	
		<i>For All Plywood Box Construction, Add</i>	129.43	
06 41 13 00-0249	EA	18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	523.81	38.52
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	496.68	
		<i>For All Plywood Box Construction, Add</i>	129.43	
06 41 13 00-0250	EA	21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	556.66	44.94
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	496.68	
		<i>For All Plywood Box Construction, Add</i>	129.43	
06 41 13 00-0251	EA	24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	584.59	51.36
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	496.68	
		<i>For All Plywood Box Construction, Add</i>	129.43	
06 41 13 00-0252	EA	27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	614.26	57.78
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	496.68	
		<i>For All Plywood Box Construction, Add</i>	129.43	
06 41 13 00-0253	EA	30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	853.63	64.19
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	496.68	
		<i>For All Plywood Box Construction, Add</i>	129.43	
06 41 13 00-0254	EA	33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	902.23	70.61
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	496.68	
		<i>For All Plywood Box Construction, Add</i>	129.43	
06 41 13 00-0255	EA	36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	952.49	77.03
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	496.68	
		<i>For All Plywood Box Construction, Add</i>	129.43	

06 41 13 00-0256 Wall Cabinets, 12" High, 12" Deep (06 41 13 00-0222)

06 41 13 00-0257	EA	30" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	343.81	64.19
		<i>For All Plywood Box Construction, Add</i>	69.45	
06 41 13 00-0258	EA	33" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	365.86	70.61
		<i>For All Plywood Box Construction, Add</i>	69.45	
06 41 13 00-0259	EA	36" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	403.03	77.03
		<i>For All Plywood Box Construction, Add</i>	69.45	
06 41 13 00-0260	EA	39" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	429.33	83.45
		<i>For All Plywood Box Construction, Add</i>	69.45	

06 41 13 00-0261 Wall Cabinets, 14" High, 12" Deep (06 41 13 00-0222)

06 41 13 00-0262	EA	12" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	292.69	25.67
		<i>For All Plywood Box Construction, Add</i>	69.45	
06 41 13 00-0263	EA	15" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	299.46	32.09
		<i>For All Plywood Box Construction, Add</i>	69.45	
06 41 13 00-0264	EA	18" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	313.61	38.52
		<i>For All Plywood Box Construction, Add</i>	69.45	
06 41 13 00-0265	EA	21" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	322.48	44.94
		<i>For All Plywood Box Construction, Add</i>	69.45	
06 41 13 00-0266	EA	24" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	331.37	51.36
		<i>For All Plywood Box Construction, Add</i>	69.45	
06 41 13 00-0267	EA	30" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	346.56	64.19
		<i>For All Plywood Box Construction, Add</i>	69.45	
06 41 13 00-0268	EA	33" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	370.18	70.61
		<i>For All Plywood Box Construction, Add</i>	69.45	
06 41 13 00-0269	EA	36" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	403.03	77.03
		<i>For All Plywood Box Construction, Add</i>	69.45	
06 41 13 00-0270	EA	39" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	429.33	83.45
		<i>For All Plywood Box Construction, Add</i>	69.45	

06 41 13 00-0271 Wall Cabinets, 18" High, 12" Deep (06 41 13 00-0222)

06 41 13 00-0272	EA	12" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	303.21	25.67
		<i>For All Plywood Box Construction, Add</i>	69.45	
06 41 13 00-0273	EA	15" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	318.40	32.09
		<i>For All Plywood Box Construction, Add</i>	69.45	
06 41 13 00-0274	EA	18" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	330.45	38.52
		<i>For All Plywood Box Construction, Add</i>	69.45	
06 41 13 00-0275	EA	21" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	343.53	44.94
		<i>For All Plywood Box Construction, Add</i>	69.45	
06 41 13 00-0276	EA	24" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	360.83	51.36
		<i>For All Plywood Box Construction, Add</i>	69.45	
06 41 13 00-0277	EA	27" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	381.05	57.80
		<i>For All Plywood Box Construction, Add</i>	69.45	
06 41 13 00-0278	EA	30" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	398.12	64.19
		<i>For All Plywood Box Construction, Add</i>	69.45	
06 41 13 00-0279	EA	33" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	413.32	70.61
		<i>For All Plywood Box Construction, Add</i>	69.45	
06 41 13 00-0280	EA	36" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	421.97	77.03
		<i>For All Plywood Box Construction, Add</i>	69.45	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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06 41 13 00-0281 Wall Cabinets, 30" High, 12" Deep (06 41 13 00-0222)

06 41 13 00-0282	EA	12" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	332.25	25.67
		<i>For All Plywood Box Construction, Add</i>	69.45	
06 41 13 00-0283	EA	15" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	361.16	32.09
		<i>For All Plywood Box Construction, Add</i>	69.45	
06 41 13 00-0284	EA	18" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	384.51	38.52
		<i>For All Plywood Box Construction, Add</i>	69.45	
06 41 13 00-0285	EA	21" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	412.25	44.94
		<i>For All Plywood Box Construction, Add</i>	69.45	
06 41 13 00-0286	EA	24" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	440.03	51.36
		<i>For All Plywood Box Construction, Add</i>	69.45	
06 41 13 00-0287	EA	27" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	481.28	57.80
		<i>For All Plywood Box Construction, Add</i>	69.45	
06 41 13 00-0288	EA	30" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	493.09	64.19
		<i>For All Plywood Box Construction, Add</i>	69.45	
06 41 13 00-0289	EA	33" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	535.84	70.61
		<i>For All Plywood Box Construction, Add</i>	69.45	
06 41 13 00-0290	EA	36" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	552.28	77.03
		<i>For All Plywood Box Construction, Add</i>	69.45	

06 41 13 00-0291 Wall Cabinets, 36" High, 12" Deep (06 41 13 00-0222)

06 41 13 00-0292	EA	12" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	372.23	25.67
		<i>For All Plywood Box Construction, Add</i>	69.45	
06 41 13 00-0293	EA	15" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	402.20	32.09
		<i>For All Plywood Box Construction, Add</i>	69.45	
06 41 13 00-0294	EA	18" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	428.71	38.52
		<i>For All Plywood Box Construction, Add</i>	69.45	
06 41 13 00-0295	EA	21" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	458.55	44.94
		<i>For All Plywood Box Construction, Add</i>	69.45	
06 41 13 00-0296	EA	24" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	535.79	51.36
		<i>For All Plywood Box Construction, Add</i>	69.45	
06 41 13 00-0297	EA	27" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	538.10	57.80
		<i>For All Plywood Box Construction, Add</i>	69.45	
06 41 13 00-0298	EA	30" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	557.28	64.19
		<i>For All Plywood Box Construction, Add</i>	69.45	
06 41 13 00-0299	EA	33" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	608.45	70.61
		<i>For All Plywood Box Construction, Add</i>	69.45	
06 41 13 00-0300	EA	36" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	623.83	77.03
		<i>For All Plywood Box Construction, Add</i>	69.45	

06 41 13 00-0301 Wall Cabinets, 42" High, 12" Deep (06 41 13 00-0222)

06 41 13 00-0302	EA	12" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	413.27	25.67
		<i>For All Plywood Box Construction, Add</i>	69.45	
06 41 13 00-0303	EA	15" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	450.61	32.09
		<i>For All Plywood Box Construction, Add</i>	69.45	
06 41 13 00-0304	EA	18" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	479.22	38.52
		<i>For All Plywood Box Construction, Add</i>	69.45	
06 41 13 00-0305	EA	21" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	508.00	44.94
		<i>For All Plywood Box Construction, Add</i>	69.45	
06 41 13 00-0306	EA	24" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	552.63	51.36
		<i>For All Plywood Box Construction, Add</i>	69.45	
06 41 13 00-0307	EA	27" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	588.61	57.80
		<i>For All Plywood Box Construction, Add</i>	69.45	
06 41 13 00-0308	EA	30" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	618.31	64.19
		<i>For All Plywood Box Construction, Add</i>	69.45	
06 41 13 00-0309	EA	33" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	675.79	70.61
		<i>For All Plywood Box Construction, Add</i>	69.45	
06 41 13 00-0310	EA	36" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	696.44	77.03
		<i>For All Plywood Box Construction, Add</i>	69.45	

06 41 13 00-0311 Wall Cabinets, 12" High, 23-3/4" Deep (06 41 13 00-0222)

06 41 13 00-0312	EA	30" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	393.79	64.19
		<i>For All Plywood Box Construction, Add</i>	69.45	
06 41 13 00-0313	EA	33" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	422.39	70.61
		<i>For All Plywood Box Construction, Add</i>	69.45	
06 41 13 00-0314	EA	36" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	452.66	77.03
		<i>For All Plywood Box Construction, Add</i>	69.45	
06 41 13 00-0315	EA	39" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	488.83	83.45
		<i>For All Plywood Box Construction, Add</i>	69.45	
06 41 13 00-0316	EA	48" Wide, 12" High x 23-3/4" Deep, Triple Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	574.56	102.71
		<i>For All Plywood Box Construction, Add</i>	69.45	

06 41 13 00-0317 Utility Cabinets, 84" High (06 41 13 00-0222)

06 41 13 00-0318	EA	15" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	756.81	57.06
		<i>For All Plywood Box Construction, Add</i>	256.76	
06 41 13 00-0319	EA	18" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	854.95	68.47
		<i>For All Plywood Box Construction, Add</i>	256.76	
06 41 13 00-0320	EA	21" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	959.41	536.38
		<i>For All Plywood Box Construction, Add</i>	256.76	
06 41 13 00-0321	EA	24" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	1,009.16	91.30
		<i>For All Plywood Box Construction, Add</i>	256.76	

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

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06 41 13 00-0322	EA	30" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet.....	1,214.63	114.12
		<i>For All Plywood Box Construction, Add</i>	256.76	
06 41 13 00-0323	EA	36" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet.....	1,396.95	136.95
		<i>For All Plywood Box Construction, Add</i>	256.76	
06 41 13 00-0324	EA	15" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet.....	851.52	57.06
		<i>For All Plywood Box Construction, Add</i>	256.76	
06 41 13 00-0325	EA	18" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet.....	941.24	68.47
		<i>For All Plywood Box Construction, Add</i>	256.76	
06 41 13 00-0326	EA	21" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet.....	1,072.00	79.89
		<i>For All Plywood Box Construction, Add</i>	256.76	
06 41 13 00-0327	EA	24" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet.....	1,139.64	91.30
		<i>For All Plywood Box Construction, Add</i>	256.76	
06 41 13 00-0328	EA	30" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet.....	1,406.14	114.12
		<i>For All Plywood Box Construction, Add</i>	256.76	
06 41 13 00-0329	EA	36" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet.....	1,604.25	136.95
		<i>For All Plywood Box Construction, Add</i>	256.76	

06 41 13 00-0330 Solid Wood Face Frame And Decorative Laminate Veneer Door, Wall And Base Cabinets

(06 41 13 00-0005)

06 41 13 00-0331 Base Cabinets, 35" High, 23-3/4" Deep

(06 41 13 00-0330)

06 41 13 00-0332	EA	12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	381.69	25.67
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	124.17	
		<i>For All Plywood Box Construction, Add</i>	129.43	
06 41 13 00-0333	EA	15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	405.48	32.09
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	124.17	
		<i>For All Plywood Box Construction, Add</i>	129.43	
06 41 13 00-0334	EA	18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	423.85	38.52
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	124.17	
		<i>For All Plywood Box Construction, Add</i>	129.43	
06 41 13 00-0335	EA	21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	446.17	44.94
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	124.17	
		<i>For All Plywood Box Construction, Add</i>	129.43	
06 41 13 00-0336	EA	24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	505.67	51.36
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	124.17	
		<i>For All Plywood Box Construction, Add</i>	129.43	
06 41 13 00-0337	EA	27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	529.02	57.78
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	124.17	
		<i>For All Plywood Box Construction, Add</i>	129.43	
06 41 13 00-0338	EA	30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	570.57	64.19
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	124.17	
		<i>For All Plywood Box Construction, Add</i>	129.43	
06 41 13 00-0339	EA	33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	601.28	70.61
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	124.17	
		<i>For All Plywood Box Construction, Add</i>	129.43	
06 41 13 00-0340	EA	36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	619.97	77.03
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	124.17	
		<i>For All Plywood Box Construction, Add</i>	129.43	
06 41 13 00-0341	EA	48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	706.39	102.71
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	248.34	
		<i>For All Plywood Box Construction, Add</i>	129.43	
06 41 13 00-0342	EA	30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	778.92	64.19
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	248.34	
		<i>For All Plywood Box Construction, Add</i>	129.43	
06 41 13 00-0343	EA	36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	863.05	77.03
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	248.34	
		<i>For All Plywood Box Construction, Add</i>	129.43	
06 41 13 00-0344	EA	30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	816.80	64.19
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	372.51	
		<i>For All Plywood Box Construction, Add</i>	129.43	
06 41 13 00-0345	EA	36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	910.40	77.03
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	372.51	
		<i>For All Plywood Box Construction, Add</i>	129.43	
06 41 13 00-0346	EA	12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	388.00	25.67
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	372.51	
		<i>For All Plywood Box Construction, Add</i>	129.43	
06 41 13 00-0347	EA	15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	397.06	32.09
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	372.51	
		<i>For All Plywood Box Construction, Add</i>	129.43	
06 41 13 00-0348	EA	18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	432.27	38.52
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	372.51	
		<i>For All Plywood Box Construction, Add</i>	129.43	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0349	EA	21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	459.85 372.51 129.43	44.94
06 41 13 00-0350	EA	24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	479.36 372.51 129.43	51.36
06 41 13 00-0351	EA	27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	502.72 372.51 129.43	57.78
06 41 13 00-0352	EA	30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	814.70 372.51 129.43	64.19
06 41 13 00-0353	EA	33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	858.04 372.51 129.43	70.61
06 41 13 00-0354	EA	36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	901.99 372.51 129.43	77.03
06 41 13 00-0355	EA	12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	472.18 496.68 129.43	25.67
06 41 13 00-0356	EA	15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	483.35 496.68 129.43	32.09
06 41 13 00-0357	EA	18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	523.81 496.68 129.43	38.52
06 41 13 00-0358	EA	21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	556.66 496.68 129.43	44.94
06 41 13 00-0359	EA	24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	584.59 496.68 129.43	51.36
06 41 13 00-0360	EA	27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	614.26 496.68 129.43	57.78
06 41 13 00-0361	EA	30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	853.63 496.68 129.43	64.19
06 41 13 00-0362	EA	33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	902.23 496.68 129.43	70.61
06 41 13 00-0363	EA	36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	952.49 496.68 129.43	77.03
06 41 13 00-0364 Wall Cabinets, 12" High, 12" Deep (06 41 13 00-0330)				
06 41 13 00-0365	EA	30" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	343.81 69.45	64.19
06 41 13 00-0366	EA	33" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	365.86 69.45	70.61
06 41 13 00-0367	EA	36" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	403.03 69.45	77.03
06 41 13 00-0368	EA	39" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	429.33 69.45	83.45
06 41 13 00-0369 Wall Cabinets, 14" High, 12" Deep (06 41 13 00-0330)				
06 41 13 00-0370	EA	12" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	292.69 69.45	25.67
06 41 13 00-0371	EA	15" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	299.46 69.45	32.09
06 41 13 00-0372	EA	18" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	313.61 69.45	38.52
06 41 13 00-0373	EA	21" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	322.48 69.45	44.94

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
06 41 13 00-0374	EA 24" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	331.37	51.36	69.45	
06 41 13 00-0375	EA 30" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	346.56	64.19	69.45	
06 41 13 00-0376	EA 33" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	370.18	70.61	69.45	
06 41 13 00-0377	EA 36" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	403.03	77.03	69.45	
06 41 13 00-0378	EA 39" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	429.33	83.45	69.45	
06 41 13 00-0379 Wall Cabinets, 18" High, 12" Deep (06 41 13 00-0330)					
06 41 13 00-0380	EA 12" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	303.21	25.67	69.45	
06 41 13 00-0381	EA 15" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	318.40	32.09	69.45	
06 41 13 00-0382	EA 18" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	330.45	38.52	69.45	
06 41 13 00-0383	EA 21" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	343.53	44.94	69.45	
06 41 13 00-0384	EA 24" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	360.83	51.36	69.45	
06 41 13 00-0385	EA 27" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	381.05	57.80	69.45	
06 41 13 00-0386	EA 30" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	398.12	64.19	69.45	
06 41 13 00-0387	EA 33" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	413.32	70.61	69.45	
06 41 13 00-0388	EA 36" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	421.97	77.03	69.45	
06 41 13 00-0389 Wall Cabinets, 30" High, 12" Deep (06 41 13 00-0330)					
06 41 13 00-0390	EA 12" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	332.25	25.67	69.45	
06 41 13 00-0391	EA 15" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	361.16	32.09	69.45	
06 41 13 00-0392	EA 18" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	384.51	38.52	69.45	
06 41 13 00-0393	EA 21" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	412.25	44.94	69.45	
06 41 13 00-0394	EA 24" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	440.03	51.36	69.45	
06 41 13 00-0395	EA 27" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	481.28	57.80	69.45	
06 41 13 00-0396	EA 30" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	493.09	64.19	69.45	
06 41 13 00-0397	EA 33" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	535.84	70.61	69.45	
06 41 13 00-0398	EA 36" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	552.28	77.03	69.45	
06 41 13 00-0399 Wall Cabinets, 36" High, 12" Deep (06 41 13 00-0330)					
06 41 13 00-0400	EA 12" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	372.23	25.67	69.45	
06 41 13 00-0401	EA 15" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	402.20	32.09	69.45	
06 41 13 00-0402	EA 18" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	428.71	38.52	69.45	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0403	EA	21" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	458.55	44.94
		<i>For All Plywood Box Construction, Add</i>	69.45	
06 41 13 00-0404	EA	24" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	535.79	51.36
		<i>For All Plywood Box Construction, Add</i>	69.45	
06 41 13 00-0405	EA	27" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	538.10	57.80
		<i>For All Plywood Box Construction, Add</i>	69.45	
06 41 13 00-0406	EA	30" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	557.28	64.19
		<i>For All Plywood Box Construction, Add</i>	69.45	
06 41 13 00-0407	EA	33" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	608.45	70.61
		<i>For All Plywood Box Construction, Add</i>	69.45	
06 41 13 00-0408	EA	36" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	623.83	77.03
		<i>For All Plywood Box Construction, Add</i>	69.45	
06 41 13 00-0409 Wall Cabinets, 42" High, 12" Deep (06 41 13 00-0330)				
06 41 13 00-0410	EA	12" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	413.27	25.67
		<i>For All Plywood Box Construction, Add</i>	69.45	
06 41 13 00-0411	EA	15" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	450.61	32.09
		<i>For All Plywood Box Construction, Add</i>	69.45	
06 41 13 00-0412	EA	18" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	479.22	38.52
		<i>For All Plywood Box Construction, Add</i>	69.45	
06 41 13 00-0413	EA	21" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	508.00	44.94
		<i>For All Plywood Box Construction, Add</i>	69.45	
06 41 13 00-0414	EA	24" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	552.63	51.36
		<i>For All Plywood Box Construction, Add</i>	69.45	
06 41 13 00-0415	EA	27" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	588.61	57.80
		<i>For All Plywood Box Construction, Add</i>	69.45	
06 41 13 00-0416	EA	30" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	618.31	64.19
		<i>For All Plywood Box Construction, Add</i>	69.45	
06 41 13 00-0417	EA	33" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	675.79	70.61
		<i>For All Plywood Box Construction, Add</i>	69.45	
06 41 13 00-0418	EA	36" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	696.44	77.03
		<i>For All Plywood Box Construction, Add</i>	69.45	
06 41 13 00-0419 Wall Cabinets, 12" High, 23-3/4" Deep (06 41 13 00-0330)				
06 41 13 00-0420	EA	30" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	393.79	64.19
		<i>For All Plywood Box Construction, Add</i>	69.45	
06 41 13 00-0421	EA	33" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	422.39	70.61
		<i>For All Plywood Box Construction, Add</i>	69.45	
06 41 13 00-0422	EA	36" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	452.66	77.03
		<i>For All Plywood Box Construction, Add</i>	69.45	
06 41 13 00-0423	EA	39" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	488.83	83.45
		<i>For All Plywood Box Construction, Add</i>	69.45	
06 41 13 00-0424	EA	48" Wide, 12" High x 23-3/4" Deep, Triple Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	574.56	102.71
		<i>For All Plywood Box Construction, Add</i>	69.45	
06 41 13 00-0425 Utility Cabinets, 84" High (06 41 13 00-0330)				
06 41 13 00-0426	EA	15" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	756.81	57.06
		<i>For All Plywood Box Construction, Add</i>	256.76	
06 41 13 00-0427	EA	18" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	854.95	68.47
		<i>For All Plywood Box Construction, Add</i>	256.76	
06 41 13 00-0428	EA	21" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	959.41	536.38
		<i>For All Plywood Box Construction, Add</i>	256.76	
06 41 13 00-0429	EA	24" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	1,009.16	91.30
		<i>For All Plywood Box Construction, Add</i>	256.76	
06 41 13 00-0430	EA	30" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	1,214.63	114.12
		<i>For All Plywood Box Construction, Add</i>	256.76	
06 41 13 00-0431	EA	36" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	1,396.95	136.95
		<i>For All Plywood Box Construction, Add</i>	256.76	

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

06 41 13 00-0432	EA	15" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	851.52	57.06
		<i>For All Plywood Box Construction, Add</i>	256.76	
06 41 13 00-0433	EA	18" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	941.24	68.47
		<i>For All Plywood Box Construction, Add</i>	256.76	
06 41 13 00-0434	EA	21" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	1,072.00	79.89
		<i>For All Plywood Box Construction, Add</i>	256.76	
06 41 13 00-0435	EA	24" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	1,139.64	91.30
		<i>For All Plywood Box Construction, Add</i>	256.76	
06 41 13 00-0436	EA	30" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	1,406.14	114.12
		<i>For All Plywood Box Construction, Add</i>	256.76	
06 41 13 00-0437	EA	36" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	1,604.25	136.95
		<i>For All Plywood Box Construction, Add</i>	256.76	

06 41 93 Cabinet and Drawer Hardware (06 41)

06 41 93 00-0001		Cabinet Hardware (06 41 93)		
		Note: Includes all finishes, and mounting screws.		
06 41 93 00-0002	EA	4" To 6" Long, 1/2" Diameter, Cabinet Bar Pull.....	30.62	10.92
06 41 93 00-0003	EA	7" To 9" Long, 1/2" Diameter, Cabinet Bar Pull.....	31.54	10.92
06 41 93 00-0004	EA	10" To 12" Long, 1/2" Diameter, Cabinet Bar Pull.....	33.15	10.92
06 41 93 00-0005	EA	3" To 4-1/2", Flat Cabinet Pull Handle.....	34.94	10.92
06 41 93 00-0006	EA	5" To 6-1/2", Flat Cabinet Pull Handle.....	35.86	10.92
06 41 93 00-0007	EA	7" To 8-1/2", Flat Cabinet Pull Handle.....	45.76	10.92
06 41 93 00-0008	EA	12" To 12-1/2", Flat Cabinet Pull Handle.....	86.74	10.92
06 41 93 00-0009	EA	1-7/16" Diameter, Mushroom Cabinet Pull Knobs.....	23.81	8.35
06 41 93 00-0010	EA	3-7/16" x 1-5/8" x 1" Projection, Cabinet Cup Pull.....	23.65	8.35
06 41 93 00-0011	EA	1-1/4" Long, Finger Cabinet Pull.....	32.18	9.63
06 41 93 00-0012	EA	3" Long, Finger Cabinet Pull.....	36.49	9.63
06 41 93 00-0013	EA	4" Long, Finger Cabinet Pull.....	39.43	9.63
06 41 93 00-0014	EA	6" Long, Finger Cabinet Pull.....	43.46	9.63
06 41 93 00-0015	EA	12" Long, Finger Cabinet Pull.....	62.16	9.63
06 41 93 00-0016	EA	Cabinet Spring Loaded Adjustable Barrel Ball Catch.....	46.29	12.84
06 41 93 00-0017	EA	Cabinet Surface Mounted Slide or Barrel Bolt Latch.....	41.50	10.92
06 41 93 00-0018	EA	Cabinet Surface Mounted Square or Matchbook Latch.....	67.87	12.84
06 41 93 00-0019	EA	Cabinet Door or Drawer Rim Lock with 2 Keys.....	54.86	10.92
06 41 93 00-0020	EA	Cabinet Door or Drawer Bored Lock with 2 Keys.....	61.34	10.92
06 41 93 00-0021	EA	Cabinet Door or Drawer Mortised Lock With 2 Keys.....	181.68	19.26
06 41 93 00-0022	EA	Cabinet Door or Drawer Bored 4-Pin, Cam Lock With 2 Keys.....	101.84	
06 41 93 00-0023	EA	5/8" Rotary Combination Cam Lock For Cabinet Door Or Drawer (CK2113).....	49.57	
		Note: Straight (CFL1500) or 1/4" offset (COF2500) cams.		
06 41 93 00-0024	EA	7/8" Rotary Combination Cam Lock For Cabinet Door Or Drawer (CK3113).....	51.57	
		Note: Straight (CFL1500) or 1/4" offset (COF2500) cams.		
06 41 93 00-0025	EA	1-1/8" Rotary Combination Cam Lock For Cabinet Door Or Drawer (CK4113).....	52.91	
06 41 93 00-0026	EA	Satin Chrome Plated Finish (US26D), Cabinet Deadbolt Door Lock (Olympus 100DR).....	65.57	
06 41 93 00-0027	EA	Satin Chrome Plated Finish (US26D), Cabinet Deadbolt Drawer Lock (Olympus 200DW).....	65.57	
06 41 93 00-0028	EA	Aluminum Finish (A92), Elbow Catch (Ives 2).....	33.49	12.84
06 41 93 00-0029	EA	Bright Brass Finish (A3), Elbow Catch (Ives 2).....	33.49	12.84
06 41 93 00-0030	EA	Chrome Finish (A26), Elbow Catch (Ives 2).....	34.44	12.84

06 42 Wood Paneling (06 40)

Note: Includes glue for installation.

06 42 13 Wood Board Paneling (06 42)

06 42 13 00-0001		Solid Wood Paneling (06 42 13)		
06 42 13 00-0002		7/16" Solid Wood Paneling, Tongue And Groove, 3" To 5" Wide (06 42 13 00-0001)		
06 42 13 00-0003	SF	Homestead Cedar Paneling Tongue And Groove, 7/16".....	10.35	2.70
06 42 13 00-0004	SF	Homestead Juniper Paneling Tongue And Groove, 7/16".....	10.83	2.70
06 42 13 00-0005		7/16" Solid Wood Paneling, Tongue And Groove, 6" To 10" Wide (06 42 13 00-0001)		
06 42 13 00-0006	SF	8" Random Plank Tongue And Groove, 7/16".....	20.96	2.56
06 42 13 00-0007	SF	8" Solid Plank Tongue And Groove, 7/16".....	19.20	2.56
06 42 13 00-0008		1/2" Solid Wood Paneling, Tongue And Groove, 4" To 6" Wide (06 42 13 00-0001)		
06 42 13 00-0009	SF	Alder Wood Tongue And Groove Paneling, 1/2".....	11.79	2.70
06 42 13 00-0010		1" Solid Wood Paneling, Shiplap, 6" To 8" Wide (06 42 13 00-0001)		
06 42 13 00-0011	SF	1" Terebo (Driftwood) Wood Shiplap.....	7.86	2.31

06 42 16 Flush Wood Paneling (06 42)

06 42 16 00-0001		Veneer Hardboard Panels (06 42 16)		
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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 42 16 00-0002	SF	1/4" Maple Veneer Paneling	8.63	2.32
		For Waterproof Glue, Add	0.23	
		For Ceiling Installation, Add	1.59	
06 42 16 00-0003		Plywood Unfinished With Trim 1/4" Thick (06 42 16)		
06 42 16 00-0004		Birch (06 42 16 00-0003)		
06 42 16 00-0005	SF	1/4" Unfinished Birch Plywood, Natural Faced With Trim	5.91	2.07
		For Waterproof Glue, Add	0.09	
		For Ceiling Installation, Add	1.40	
		For Installation On Metal Studs Or Furring, Add	0.51	
		For Glue Laminated Installation, Add	0.30	
		For Lumber Core, Add	0.14	
		For 1/8" Thick Paneling, Deduct	-0.53	
		For 1/2" Thick Paneling, Add	1.23	
		For 5/8" Thick Paneling, Add	1.50	
		For 3/4" Thick Paneling, Add	1.83	
		For Fire Retardant Treatment (Class I), Add	0.99	
06 42 16 00-0006	SF	1/4" Unfinished Birch Plywood, Select With Trim	6.00	2.07
		For Waterproof Glue, Add	0.09	
		For Ceiling Installation, Add	1.40	
		For Installation On Metal Studs Or Furring, Add	0.51	
		For Glue Laminated Installation, Add	0.30	
		For Lumber Core, Add	0.15	
		For 1/8" Thick Paneling, Deduct	-0.55	
		For 1/2" Thick Paneling, Add	1.28	
		For 5/8" Thick Paneling, Add	1.56	
		For 3/4" Thick Paneling, Add	1.93	
		For Fire Retardant Treatment (Class I), Add	1.06	
06 42 16 00-0007		Knotty Pine (06 42 16 00-0003)		
06 42 16 00-0008	SF	1/4" Knotty Pine Plywood, Grade AA Unfinished With Trim	6.82	2.32
		For Waterproof Glue, Add	0.12	
		For Ceiling Installation, Add	1.55	
		For Installation On Metal Studs Or Furring, Add	0.57	
		For Glue Laminated Installation, Add	0.34	
		For Lumber Core, Add	0.18	
		For 1/8" Thick Paneling, Deduct	-0.64	
		For 1/2" Thick Paneling, Add	1.51	
		For 5/8" Thick Paneling, Add	1.86	
		For 3/4" Thick Paneling, Add	2.30	
		For Fire Retardant Treatment (Class I), Add	1.30	
06 42 16 00-0009	SF	1/4" Knotty Pine Plywood, Grade AD Unfinished With Trim	6.75	2.32
		For Waterproof Glue, Add	0.11	
		For Ceiling Installation, Add	1.55	
		For Installation On Metal Studs Or Furring, Add	0.57	
		For Glue Laminated Installation, Add	0.34	
		For Lumber Core, Add	0.17	
		For 1/8" Thick Paneling, Deduct	-0.63	
		For 1/2" Thick Paneling, Add	1.47	
		For 5/8" Thick Paneling, Add	1.81	
		For 3/4" Thick Paneling, Add	2.23	
		For Fire Retardant Treatment (Class I), Add	1.25	
06 42 16 00-0010		Cedar (Aromatic - Closet Lining) (06 42 16 00-0003)		
06 42 16 00-0011	SF	1/4" Cedar Plywood, Standard Grade Unfinished With Trim, Closet Lining	6.87	2.59
		For Waterproof Glue, Add	0.07	
		For Ceiling Installation, Add	1.74	
		For Installation On Metal Studs Or Furring, Add	0.64	
		For Glue Laminated Installation, Add	0.34	
		For Lumber Core, Add	0.12	
		For 1/8" Thick Paneling, Deduct	-0.58	
		For 1/2" Thick Paneling, Add	1.27	
		For 5/8" Thick Paneling, Add	1.49	
		For 3/4" Thick Paneling, Add	1.78	
		For Fire Retardant Treatment (Class I), Add	0.84	
06 42 16 00-0012	SF	1/4" Cedar Plywood, Particle Board Unfinished With Trim, Closet Lining	6.95	2.59
		For Waterproof Glue, Add	0.08	
		For Ceiling Installation, Add	1.74	
		For Installation On Metal Studs Or Furring, Add	0.64	
		For Glue Laminated Installation, Add	0.35	
		For Lumber Core, Add	0.13	
		For 1/8" Thick Paneling, Deduct	-0.60	
		For 1/2" Thick Paneling, Add	1.31	
		For 5/8" Thick Paneling, Add	1.55	
		For 3/4" Thick Paneling, Add	1.86	
		For Fire Retardant Treatment (Class I), Add	0.90	
06 42 16 00-0013		Top Grade Plywood Prefinished With Trim 1/4" Thick (06 42 16)		

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 42 Wood Paneling**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

06 42 16 00-0014	SF	1/4" Top Grade Plywood, Birch Veneer Prefinished With Trim	6.57	2.32
		For Flitch Matched Veneer, Add	0.70	
		For Second Grade Veneer, Deduct	-0.14	
		For Third Grade Veneer, Deduct	-0.21	
		For Waterproof Glue, Add	0.10	
		For Ceiling Installation, Add	1.55	
		For Installation On Metal Studs Or Furring, Add	0.57	
		For Glue Laminated Installation, Add	0.33	
		For Lumber Core, Add	0.15	
		For 1/8" Thick Paneling, Deduct	-0.60	
		For 1/2" Thick Paneling, Add	1.38	
		For 5/8" Thick Paneling, Add	1.67	
		For 3/4" Thick Paneling, Add	2.05	
		For Fire Retardant Treatment (Class I), Add	1.11	
06 42 16 00-0015	SF	1/4" Top Grade Plywood, Cherry Veneer Prefinished With Trim	7.20	2.32
		For Flitch Matched Veneer, Add	1.02	
		For Second Grade Veneer, Deduct	-0.20	
		For Third Grade Veneer, Deduct	-0.30	
		For Waterproof Glue, Add	0.14	
		For Ceiling Installation, Add	1.55	
		For Installation On Metal Studs Or Furring, Add	0.57	
		For Glue Laminated Installation, Add	0.36	
		For Lumber Core, Add	0.22	
		For 1/8" Thick Paneling, Deduct	-0.70	
		For 1/2" Thick Paneling, Add	1.72	
		For 5/8" Thick Paneling, Add	2.14	
		For 3/4" Thick Paneling, Add	2.69	
		For Fire Retardant Treatment (Class I), Add	1.60	
06 42 16 00-0016	SF	1/4" Top Grade Plywood, Chestnut Veneer Prefinished With Trim	10.54	2.32
		For Flitch Matched Veneer, Add	2.18	
		For Second Grade Veneer, Deduct	-0.44	
		For Third Grade Veneer, Deduct	-0.65	
		For Waterproof Glue, Add	0.30	
		For Ceiling Installation, Add	1.86	
		For Installation On Metal Studs Or Furring, Add	0.68	
		For Glue Laminated Installation, Add	0.53	
		For Lumber Core, Add	0.48	
		For 1/8" Thick Paneling, Deduct	-1.16	
		For 1/2" Thick Paneling, Add	3.09	
		For 5/8" Thick Paneling, Add	4.01	
		For 3/4" Thick Paneling, Add	5.18	
		For Fire Retardant Treatment (Class I), Add	3.44	
06 42 16 00-0017	SF	1/4" Top Grade Plywood, Lauan Veneer Prefinished With Trim	5.58	2.32
		For Flitch Matched Veneer, Add	0.47	
		For Second Grade Veneer, Deduct	-0.09	
		For Third Grade Veneer, Deduct	-0.14	
		For Waterproof Glue, Add	0.07	
		For Ceiling Installation, Add	1.40	
		For Installation On Metal Studs Or Furring, Add	0.51	
		For Glue Laminated Installation, Add	0.28	
		For Lumber Core, Add	0.10	
		For 1/8" Thick Paneling, Deduct	-0.48	
		For 1/2" Thick Paneling, Add	1.06	
		For 5/8" Thick Paneling, Add	1.26	
		For 3/4" Thick Paneling, Add	1.51	
		For Fire Retardant Treatment (Class I), Add	0.73	
06 42 16 00-0018	SF	1/4" Top Grade Plywood, Mahogany Veneer Prefinished With Trim	9.31	2.32
		For Flitch Matched Veneer, Add	1.75	
		For Second Grade Veneer, Deduct	-0.35	
		For Third Grade Veneer, Deduct	-0.53	
		For Waterproof Glue, Add	0.25	
		For Ceiling Installation, Add	1.74	
		For Installation On Metal Studs Or Furring, Add	0.64	
		For Glue Laminated Installation, Add	0.47	
		For Lumber Core, Add	0.39	
		For 1/8" Thick Paneling, Deduct	-0.99	
		For 1/2" Thick Paneling, Add	2.59	
		For 5/8" Thick Paneling, Add	3.32	
		For 3/4" Thick Paneling, Add	4.27	
		For Fire Retardant Treatment (Class I), Add	2.77	
06 42 16 00-0019	SF	1/4" Top Grade Plywood, Red Oak Veneer Prefinished With Trim	6.72	2.32
		For Flitch Matched Veneer, Add	0.78	
		For Second Grade Veneer, Deduct	-0.16	
		For Third Grade Veneer, Deduct	-0.23	
		For Waterproof Glue, Add	0.11	
		For Ceiling Installation, Add	1.55	
		For Installation On Metal Studs Or Furring, Add	0.57	
		For Glue Laminated Installation, Add	0.34	
		For Lumber Core, Add	0.17	
		For 1/8" Thick Paneling, Deduct	-0.62	
		For 1/2" Thick Paneling, Add	1.46	
		For 5/8" Thick Paneling, Add	1.78	
		For 3/4" Thick Paneling, Add	2.20	
		For Fire Retardant Treatment (Class I), Add	1.22	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
06 42 16 00-0020	SF		1/4" Top Grade Plywood, Pecan Veneer Prefinished With Trim	7.86	2.32
			For Flitch Matched Veneer, Add	1.03	
			For Second Grade Veneer, Deduct	-0.21	
			For Third Grade Veneer, Deduct	-0.31	
			For Waterproof Glue, Add	0.14	
			For Ceiling Installation, Add	1.74	
			For Installation On Metal Studs Or Furring, Add	0.64	
			For Glue Laminated Installation, Add	0.39	
			For Lumber Core, Add	0.23	
			For 1/8" Thick Paneling, Deduct	-0.75	
			For 1/2" Thick Paneling, Add	1.80	
			For 5/8" Thick Paneling, Add	2.23	
			For 3/4" Thick Paneling, Add	2.79	
			For Fire Retardant Treatment (Class I), Add	1.62	
06 42 16 00-0021	SF		1/4" Top Grade Plywood, Rosewood Veneer Prefinished With Trim	12.23	2.32
			For Flitch Matched Veneer, Add	2.48	
			For Second Grade Veneer, Deduct	-0.50	
			For Third Grade Veneer, Deduct	-0.74	
			For Waterproof Glue, Add	0.35	
			For Ceiling Installation, Add	2.18	
			For Installation On Metal Studs Or Furring, Add	0.80	
			For Glue Laminated Installation, Add	0.61	
			For Lumber Core, Add	0.55	
			For 1/8" Thick Paneling, Deduct	-1.34	
			For 1/2" Thick Paneling, Add	3.55	
			For 5/8" Thick Paneling, Add	4.59	
			For 3/4" Thick Paneling, Add	5.93	
			For Fire Retardant Treatment (Class I), Add	3.92	
06 42 16 00-0022	SF		1/4" Top Grade Plywood, Teak Veneer Prefinished With Trim	9.30	2.32
			For Flitch Matched Veneer, Add	1.75	
			For Second Grade Veneer, Deduct	-0.35	
			For Third Grade Veneer, Deduct	-0.52	
			For Waterproof Glue, Add	0.24	
			For Ceiling Installation, Add	1.74	
			For Installation On Metal Studs Or Furring, Add	0.64	
			For Glue Laminated Installation, Add	0.47	
			For Lumber Core, Add	0.38	
			For 1/8" Thick Paneling, Deduct	-0.99	
			For 1/2" Thick Paneling, Add	2.58	
			For 5/8" Thick Paneling, Add	3.31	
			For 3/4" Thick Paneling, Add	4.26	
			For Fire Retardant Treatment (Class I), Add	2.76	
06 42 16 00-0023	SF		1/4" Top Grade Plywood, Walnut Veneer Prefinished With Trim	8.15	2.32
			For Flitch Matched Veneer, Add	1.49	
			For Second Grade Veneer, Deduct	-0.30	
			For Third Grade Veneer, Deduct	-0.45	
			For Waterproof Glue, Add	0.21	
			For Ceiling Installation, Add	1.55	
			For Installation On Metal Studs Or Furring, Add	0.57	
			For Glue Laminated Installation, Add	0.41	
			For Lumber Core, Add	0.33	
			For 1/8" Thick Paneling, Deduct	-0.86	
			For 1/2" Thick Paneling, Add	2.23	
			For 5/8" Thick Paneling, Add	2.86	
			For 3/4" Thick Paneling, Add	3.66	
			For Fire Retardant Treatment (Class I), Add	2.35	
06 42 16 00-0024	SF		1/4" Top Grade Plywood, Maple Veneer Prefinished With Trim	6.75	2.32
			For Flitch Matched Veneer, Add	0.79	
			For Second Grade Veneer, Deduct	-0.16	
			For Third Grade Veneer, Deduct	-0.24	
			For Waterproof Glue, Add	0.11	
			For Ceiling Installation, Add	1.55	
			For Installation On Metal Studs Or Furring, Add	0.57	
			For Glue Laminated Installation, Add	0.34	
			For Lumber Core, Add	0.17	
			For 1/8" Thick Paneling, Deduct	-0.63	
			For 1/2" Thick Paneling, Add	1.47	
			For 5/8" Thick Paneling, Add	1.81	
			For 3/4" Thick Paneling, Add	2.23	
			For Fire Retardant Treatment (Class I), Add	1.25	
06 42 16 00-0025			Accessories (06 42 16)		
06 42 16 00-0026	EA		Aluminum Panel Retainer "J" With Bolt	43.04	
06 42 19			Plastic-Laminate-Faced Wood Paneling (06 42)		
06 42 19 00-0001			Plastic Laminate (06 42 19)		
			Note: Standard colors and patterns.		
06 42 19 00-0002	SF		1/16" Plastic Laminate Faced Panel	11.96	4.50
			Note: Includes cutting to fit.		
06 43			Wood Stairs and Railings (06 40)		
06 43 13			Wood Stairs (06 43)		
06 43 13 00-0001			Stair Parts (06 43 13)		
06 43 13 00-0002	EA		30" Baluster, Pine	62.63	26.06
06 43 13 00-0003	EA		30" Baluster, Birch	73.51	26.06

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 43 Wood Stairs and Railings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

06 43 13 00-0004	EA	42" Baluster, Pine	70.45	26.95
06 43 13 00-0005	EA	42" Baluster, Birch	82.05	26.95
06 43 13 00-0006	EA	3-1/4" Wide Newels, Starting	364.07	102.42
06 43 13 00-0007	EA	3-1/4" Wide Newels, Landing	531.99	143.74
06 43 13 00-0008	LF	Oak Gooseneck, 1 Riser	222.26	89.84
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	29.50	
06 43 13 00-0009	LF	Oak Gooseneck, 2 Riser	259.50	98.70
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	32.42	
06 43 13 00-0010	LF	Oak Handrail, 2-1/2" x 3" With Quarter Turn	44.55	13.48
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	4.42	
06 43 13 00-0011	LF	1-1/16" x 9-1/2" Oak Stair Tread	57.16	7.57
		<i>For Beech, Add</i>	12.63	
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	3.46	
06 43 13 00-0012	LF	1-1/16" x 11-1/2" Oak Stair Tread	69.14	7.57
		<i>For Beech, Add</i>	16.22	
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	3.46	
06 43 13 00-0013	LF	1-1/16" x 11-1/2" Pine Stair Tread	32.04	7.57
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	3.46	
06 43 13 00-0014	LF	3/4" x 7-1/2" High Beech Riser	43.30	7.82
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	3.61	
06 43 13 00-0015	LF	3/4" x 7-1/2" High Oak Riser	40.76	7.82
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	3.61	
06 43 13 00-0016	LF	3/4" x 7-1/2" High Fir Riser	24.42	7.82
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	3.61	
06 43 13 00-0017	LF	3/4" x 7-1/2" High Pine Riser	23.62	7.82
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	3.61	
06 43 13 00-0018	SF	Framed Stair Landings, 3/4" Plywood Surface, Per SF Of Landing	50.67	

06 43 13 00-0019 Interior Box Stairs (06 43 13)

Note: Factory cut and assembled straight closed box stairs, unfinished.

06 43 13 00-0020	EA	30" Wide Pine Box Stair, Per Riser	317.85	78.16
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	25.68	
		<i>For Prefinished Stair Rail With Balusters And Newel, Add</i>	77.49	
		<i>For Each LF Of Prefinished Handrail, Brackets And Baluster, Add</i>	25.96	
		<i>For Oak Or Maple Treads, Add</i>	92.79	
06 43 13 00-0021	EA	32" Wide Pine Box Stair, Per Riser	336.63	79.96
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	26.26	
		<i>For Prefinished Stair Rail With Balusters And Newel, Add</i>	78.25	
		<i>For Each LF Of Prefinished Handrail, Brackets And Baluster, Add</i>	26.27	
		<i>For Oak Or Maple Treads, Add</i>	100.10	
06 43 13 00-0022	EA	34" Wide Pine Box Stair, Per Riser	354.19	80.86
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	26.57	
		<i>For Prefinished Stair Rail With Balusters And Newel, Add</i>	78.65	
		<i>For Each LF Of Prefinished Handrail, Brackets And Baluster, Add</i>	26.44	
		<i>For Oak Or Maple Treads, Add</i>	107.41	
06 43 13 00-0023	EA	36" Wide Pine Box Stair, Per Riser	374.49	81.75
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	26.85	
		<i>For Prefinished Stair Rail With Balusters And Newel, Add</i>	79.03	
		<i>For Each LF Of Prefinished Handrail, Brackets And Baluster, Add</i>	26.60	
		<i>For Oak Or Maple Treads, Add</i>	115.98	
06 43 13 00-0024	EA	38" Wide Pine Box Stair, Per Riser	386.54	82.66
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	27.15	
		<i>For Prefinished Stair Rail With Balusters And Newel, Add</i>	79.41	
		<i>For Each LF Of Prefinished Handrail, Brackets And Baluster, Add</i>	26.76	
		<i>For Oak Or Maple Treads, Add</i>	120.83	
06 43 13 00-0025	EA	40" Wide Pine Box Stair, Per Riser	399.88	84.45
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	27.74	
		<i>For Prefinished Stair Rail With Balusters And Newel, Add</i>	80.19	
		<i>For Each LF Of Prefinished Handrail, Brackets And Baluster, Add</i>	27.08	
		<i>For Oak Or Maple Treads, Add</i>	125.67	
06 43 13 00-0026	EA	42" Wide Pine Box Stair, Per Riser	411.94	85.35
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	28.04	
		<i>For Prefinished Stair Rail With Balusters And Newel, Add</i>	80.57	
		<i>For Each LF Of Prefinished Handrail, Brackets And Baluster, Add</i>	27.24	
		<i>For Oak Or Maple Treads, Add</i>	130.51	
06 43 13 00-0027	EA	44" Wide Pine Box Stair, Per Riser	424.00	86.25
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	28.34	
		<i>For Prefinished Stair Rail With Balusters And Newel, Add</i>	80.96	
		<i>For Each LF Of Prefinished Handrail, Brackets And Baluster, Add</i>	27.40	
		<i>For Oak Or Maple Treads, Add</i>	135.36	
06 43 13 00-0028	EA	46" Wide Pine Box Stair, Per Riser	436.02	87.14
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	28.63	
		<i>For Prefinished Stair Rail With Balusters And Newel, Add</i>	81.34	
		<i>For Each LF Of Prefinished Handrail, Brackets And Baluster, Add</i>	27.56	
		<i>For Oak Or Maple Treads, Add</i>	140.20	
06 43 13 00-0029	EA	48" Wide Pine Box Stair, Per Riser	450.54	89.84
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	29.52	
		<i>For Prefinished Stair Rail With Balusters And Newel, Add</i>	82.50	
		<i>For Each LF Of Prefinished Handrail, Brackets And Baluster, Add</i>	28.04	
		<i>For Oak Or Maple Treads, Add</i>	144.99	

06 43 16 Wood Railings (06 43)**06 43 16 00-0001 Handrails** (06 43 16)**06 43 16 00-0002 Wood Handrail With Brackets** (06 43 16 00-0001)

Note: Includes pine, fir or red oak interior grade or pressure treated exterior grade handrail with brackets.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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06 43 16 00-0003	LF	1-1/2" x 1-11/16", Wood Handrail With Brackets <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	20.65 2.95	6.42
06 43 16 00-0004	LF	1-7/8" x 2-5/8", Wood Handrail With Brackets <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	22.23 2.95	6.42
06 43 16 00-0005	LF	1-1/2" Diameter, Wood Handrail With Brackets	27.49	6.42
06 43 16 00-0006	LF	1-3/4" Diameter, Wood Handrail With Brackets	28.80	6.42
06 43 16 00-0007	LF	2" Diameter, Wood Handrail With Brackets	33.53	6.42
06 43 16 00-0008	LF	2-1/2" Diameter, Wood Handrail With Brackets	48.14	6.42

06 44 Ornamental Woodwork (06 40)

06 44 39 Wood Posts and Columns (06 44)

06 44 39 00-0001 Columns (06 44 39)

06 44 39 00-0002 Pine Colonial Columns, Round Tapered With Cap And Base (06 44 39 00-0001)

Note: Paint grade/finger jointed pine.

06 44 39 00-0003	LF	6" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	76.29	6.88
06 44 39 00-0004	LF	8" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	95.23	10.05
06 44 39 00-0005	LF	10" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	117.00	11.64
06 44 39 00-0006	LF	12" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	140.39	12.18
06 44 39 00-0007	LF	14" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	315.90	13.76
06 44 39 00-0008	LF	16" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	367.21	14.82
06 44 39 00-0009	LF	18" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	442.42	15.88
06 44 39 00-0010	LF	20" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	528.59	16.93
06 44 39 00-0011	LF	6" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	88.03	6.88
06 44 39 00-0012	LF	8" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	104.64	10.05
06 44 39 00-0013	LF	10" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	130.00	11.64
06 44 39 00-0014	LF	12" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	154.29	12.18
06 44 39 00-0015	LF	14" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	344.14	13.76
06 44 39 00-0016	LF	16" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	468.53	14.82
06 44 39 00-0017	LF	18" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	505.18	15.88
06 44 39 00-0018	LF	20" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	568.93	16.93

06 44 39 00-0019 Pine Colonial Columns, Round Non-Tapered With Cap And Base (06 44 39 00-0001)

Note: Paint grade/finger jointed pine.

06 44 39 00-0020	LF	6" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	92.07	6.88
06 44 39 00-0021	LF	8" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base.....	113.16	10.05
06 44 39 00-0022	LF	10" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base.....	140.31	11.64
06 44 39 00-0023	LF	12" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base.....	169.53	12.18
06 44 39 00-0024	LF	14" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base.....	389.02	13.76
06 44 39 00-0025	LF	16" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base.....	452.84	14.82
06 44 39 00-0026	LF	18" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base.....	546.56	15.88
06 44 39 00-0027	LF	20" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base.....	654.02	16.93
06 44 39 00-0028	LF	6" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base.....	106.77	6.88
06 44 39 00-0029	LF	8" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base.....	126.03	10.05
06 44 39 00-0030	LF	10" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base.....	157.17	11.64
06 44 39 00-0031	LF	12" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base.....	187.38	12.18
06 44 39 00-0032	LF	14" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base.....	424.39	13.76
06 44 39 00-0033	LF	16" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base.....	579.85	14.82
06 44 39 00-0034	LF	18" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base.....	625.24	15.88
06 44 39 00-0035	LF	20" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base.....	704.64	16.93

06 44 39 00-0036 Pine Classical Columns, Round Tapered With Cap And Base (06 44 39 00-0001)

Note: Paint grade/finger jointed pine.

06 44 39 00-0037	LF	6" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base.....	81.87	6.88
06 44 39 00-0038	LF	8" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base.....	101.94	10.05
06 44 39 00-0039	LF	10" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base.....	125.44	11.64
06 44 39 00-0040	LF	12" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base.....	150.85	12.18
06 44 39 00-0041	LF	6" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base.....	94.67	6.88
06 44 39 00-0042	LF	8" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base.....	112.20	10.05
06 44 39 00-0043	LF	10" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base.....	139.61	11.64
06 44 39 00-0044	LF	12" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base.....	165.99	12.18

06 44 39 00-0045 Redwood Colonial Columns, Round Tapered With Cap And Base (06 44 39 00-0001)

Note: Paint grade/finger jointed redwood.

06 44 39 00-0046	LF	6" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	128.83	6.88
06 44 39 00-0047	LF	8" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	154.41	10.05
06 44 39 00-0048	LF	10" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	192.76	11.64
06 44 39 00-0049	LF	12" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	236.33	12.18
06 44 39 00-0050	LF	6" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	148.55	6.88
06 44 39 00-0051	LF	8" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	175.48	10.05
06 44 39 00-0052	LF	10" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	217.42	11.64
06 44 39 00-0053	LF	12" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	268.61	12.18

06 44 39 00-0054 Ornamental Or Decorative Cap And Bases, Resin (06 44 39 00-0001)

Note: For tapered wood columns.

06 44 39 00-0055	EA	6" Resin Corinthian Capital And Base	405.17	14.29
06 44 39 00-0056	EA	8" Resin Corinthian Capital And Base	614.57	15.88
06 44 39 00-0057	EA	10" Resin Corinthian Capital And Base	857.47	18.52
06 44 39 00-0058	EA	12" Resin Corinthian Capital And Base	1,095.88	21.17

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 44 Ornamental Woodwork**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

06 44 39 00-0059	EA	6" Resin Greek Erectheum Cap And Base	360.33	14.29
06 44 39 00-0060	EA	8" Resin Greek Erectheum Cap And Base	502.49	15.88
06 44 39 00-0061	EA	10" Resin Greek Erectheum Cap And Base	624.34	18.52
06 44 39 00-0062	EA	12" Resin Greek Erectheum Cap And Base	817.93	21.17
06 44 39 00-0063	EA	6" Resin Roman Ionic Capital And Base.....	379.33	14.82
06 44 39 00-0064	EA	8" Resin Roman Ionic Capital And Base.....	502.49	15.88
06 44 39 00-0065	EA	10" Resin Roman Ionic Capital And Base.....	624.34	18.52
06 44 39 00-0066	EA	12" Resin Roman Ionic Capital And Base.....	795.51	21.17
06 44 39 00-0067	EA	6" Resin Scamozzi Capital And Base	383.81	14.82
06 44 39 00-0068	EA	8" Resin Scamozzi Capital And Base	547.32	15.88
06 44 39 00-0069	EA	10" Resin Scamozzi Capital And Base	646.76	18.52
06 44 39 00-0070	EA	12" Resin Scamozzi Capital And Base	889.66	21.17
06 44 39 00-0071	EA	6" Resin Temple Of Winds Cap And Base.....	383.81	14.82
06 44 39 00-0072	EA	8" Resin Temple Of Winds Cap And Base.....	596.64	15.88
06 44 39 00-0073	EA	10" Resin Temple Of Winds Cap And Base.....	790.22	18.52
06 44 39 00-0074	EA	12" Resin Temple Of Winds Cap And Base.....	979.32	21.17

06 44 39 00-0075 Ornamental Or Decorative Cap And Bases, Plaster (06 44 39 00-0001)

Note: For tapered wood columns.

06 44 39 00-0076	EA	6" Plaster Corinthian Capital And Base	822.10	14.29
06 44 39 00-0077	EA	8" Plaster Corinthian Capital And Base	923.91	15.88
06 44 39 00-0078	EA	10" Plaster Corinthian Capital And Base	1,175.77	18.52
06 44 39 00-0079	EA	12" Plaster Corinthian Capital And Base	1,293.14	21.17
06 44 39 00-0080	EA	6" Plaster Greek Erectheum Cap And Base	544.14	14.29
06 44 39 00-0081	EA	8" Plaster Greek Erectheum Cap And Base	632.50	15.88
06 44 39 00-0082	EA	10" Plaster Greek Erectheum Cap And Base	781.25	18.52
06 44 39 00-0083	EA	12" Plaster Greek Erectheum Cap And Base	983.80	21.17
06 44 39 00-0084	EA	6" Plaster Roman Ionic Capital And Base.....	522.79	14.82
06 44 39 00-0085	EA	8" Plaster Roman Ionic Capital And Base.....	686.30	15.88
06 44 39 00-0086	EA	10" Plaster Roman Ionic Capital And Base.....	830.57	18.52
06 44 39 00-0087	EA	12" Plaster Roman Ionic Capital And Base.....	983.80	21.17
06 44 39 00-0088	EA	6" Plaster Scamozzi Capital And Base	621.42	14.82
06 44 39 00-0089	EA	8" Plaster Scamozzi Capital And Base	825.28	15.88
06 44 39 00-0090	EA	10" Plaster Scamozzi Capital And Base	929.20	18.52
06 44 39 00-0091	EA	12" Plaster Scamozzi Capital And Base	1,181.06	21.17
06 44 39 00-0092	EA	6" Plaster Temple Of Winds Cap And Base.....	522.79	14.82
06 44 39 00-0093	EA	8" Plaster Temple Of Winds Cap And Base.....	677.33	15.88
06 44 39 00-0094	EA	10" Plaster Temple Of Winds Cap And Base.....	884.37	18.52
06 44 39 00-0095	EA	12" Plaster Temple Of Winds Cap And Base.....	1,131.75	21.17
06 44 39 00-0096	EA	6" Plaster Empire Capital And Base	590.03	14.82
06 44 39 00-0097	EA	8" Plaster Empire Capital And Base	722.17	15.88
06 44 39 00-0098	EA	10" Plaster Empire Capital And Base	879.88	18.52
06 44 39 00-0099	EA	12" Plaster Empire Capital And Base	983.80	21.17

06 46 Wood Trim (06 40)**06 46 13 Wood Door and Window Casings (06 46)****06 46 13 00-0001 Door and Window Casings (06 46 13)**

06 46 13 00-0002	LF	1-1/8" Wide Plain Pine Door And Window Molding.....	5.95	2.05
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.06	
06 46 13 00-0003	LF	1-1/8" Wide Detailed Pine Door And Window Molding.....	6.00	2.05
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.06	
06 46 13 00-0004	LF	2-1/2" Wide Pine Complete Door And Window Trim.....	7.46	2.05
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.06	

06 46 19 Wood Base and Shoe Moldings (06 46)**06 46 19 00-0001 Base And Shoe Molding (06 46 19)**

06 46 19 00-0002	LF	1/2" x 1/2" Pine Quarter Round Trim.....	6.18	2.43
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.23	
06 46 19 00-0003	LF	3/4" x 3/4" Pine Quarter Round Trim.....	6.60	2.43
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.23	
06 46 19 00-0004	LF	3-1/2" High White Pine Base Molding, All Dimensions Are Nominal.....	7.80	1.54
		<i>For Clear Birch, Add</i>	0.85	
		<i>For Clear Mahogany, Oak, Maple Or Walnut, Add</i>	1.71	
		<i>For Stain Grade Material (No Finger Joints), Add</i>	0.48	
		<i>For Clear Poplar, Add</i>	0.53	
06 46 19 00-0005	LF	4-1/2" High White Pine Base Molding, All Dimensions Are Nominal.....	9.49	1.92
		<i>For Clear Birch, Add</i>	0.98	
		<i>For Clear Mahogany, Oak, Maple Or Walnut, Add</i>	2.02	
		<i>For Stain Grade Material (No Finger Joints), Add</i>	0.55	
		<i>For Clear Poplar, Add</i>	0.61	
06 46 19 00-0006	LF	5-1/2" High White Pine Base Molding, All Dimensions Are Nominal.....	11.81	2.18
		<i>For Clear Birch, Add</i>	1.52	
		<i>For Clear Mahogany, Oak, Maple Or Walnut, Add</i>	2.84	
		<i>For Stain Grade Material (No Finger Joints), Add</i>	0.86	
		<i>For Clear Poplar, Add</i>	0.95	
06 46 19 00-0007	LF	3/4" x 1" Oak Base Shoe	7.68	2.43
06 46 19 00-0008	LF	3/4" x 1" White Pine Base Shoe, Stain Grade.....	7.44	2.43
06 46 19 00-0009	LF	3/4" x 1" White Pine Base Shoe, Paint Grade.....	6.90	2.43

06 46 23 Wood Chair Rails (06 46)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
06 46 23 00-0001			Chair Rails (06 46 23)		
06 46 23 00-0002	LF		5/8" x 2-1/2" White Pine Shaped Chair Rail.....	9.51	2.31
			For Birch, Add	1.40	
			For Mahogany, Oak, Maple Or Walnut, Add	2.48	
			For Poplar, Add	0.88	
06 46 23 00-0003	LF		5/8" x 3-1/2" White Pine Shaped Chair Rail.....	11.72	2.31
			For Birch, Add	2.11	
			For Mahogany, Oak, Maple Or Walnut, Add	3.48	
			For Poplar, Add	1.32	
06 46 23 00-0004	LF		1/2" x 1-5/8" White Pine Shaped Chair Rail.....	7.05	2.31
			For Birch, Add	1.02	
			For Mahogany, Oak, Maple Or Walnut, Add	1.83	
			For Poplar, Add	0.64	
06 46 26			Wood Cornices (06 46)		
06 46 26 00-0001			Wood Cornices (06 46 26)		
06 46 26 00-0002	LF		1" x 2" White Pine Cornices, All Dimensions Are Nominal.....	7.12	2.31
			For Birch, Add	0.72	
			For Mahogany, Oak, Maple, Or Walnut, Add	1.41	
			For Poplar, Add	0.90	
06 46 26 00-0003	LF		1" x 4" White Pine Cornices, All Dimensions Are Nominal.....	8.95	2.43
			For Birch, Add	1.30	
			For Mahogany, Oak, Maple, Or Walnut, Add	2.16	
			For Poplar, Add	1.62	
06 46 26 00-0004	LF		1" x 6" White Pine Cornices, All Dimensions Are Nominal.....	12.45	2.56
			For Birch, Add	2.47	
			For Mahogany, Oak, Maple, Or Walnut, Add	3.65	
			For Poplar, Add	3.09	
06 46 26 00-0005	LF		1" x 8" White Pine Cornices, All Dimensions Are Nominal.....	14.36	2.56
			For Birch, Add	3.07	
			For Mahogany, Oak, Maple, Or Walnut, Add	4.42	
			For Poplar, Add	3.84	
06 46 26 00-0006	LF		1" x 10" White Pine Cornices, All Dimensions Are Nominal.....	16.58	2.70
			For Birch, Add	3.77	
			For Mahogany, Oak, Maple, Or Walnut, Add	5.32	
			For Poplar, Add	4.71	
06 46 26 00-0007	LF		1" x 12" White Pine Cornices, All Dimensions Are Nominal.....	21.32	2.96
			For Birch, Add	5.36	
			For Mahogany, Oak, Maple, Or Walnut, Add	7.35	
			For Poplar, Add	6.71	
06 46 29			Wood Fasciae and Soffits (06 46)		
06 46 29 00-0001			Fascia Board (06 46 29)		
06 46 29 00-0002			Pine Fascia Board (06 46 29 00-0001)		
06 46 29 00-0003	LF		1" x 6" Pine Fascia Board.....	5.97	2.56
06 46 29 00-0004	LF		1" x 8" Pine Fascia Board.....	6.82	2.85
06 46 29 00-0005	LF		1" x 10" Pine Fascia Board.....	7.36	2.99
06 46 29 00-0006	LF		1" x 12" Pine Fascia Board.....	8.64	3.35
06 46 29 00-0007	LF		2" x 6" Pine Fascia Board.....	5.91	2.56
06 46 29 00-0008	LF		2" x 8" Pine Fascia Board.....	6.73	2.85
06 46 29 00-0009	LF		2" x 10" Pine Fascia Board.....	7.48	2.99
06 46 29 00-0010	LF		2" x 12" Pine Fascia Board.....	9.03	3.35
06 46 29 00-0011	LF		2" x 6" Trim, Exterior, Pine, Resawn Fascia.....	7.76	2.56
06 46 29 00-0012	LF		2" x 8" Trim, Exterior, Pine, Resawn Fascia.....	9.17	2.85
06 46 29 00-0013	LF		2" x 10" Trim, Exterior, Pine, Resawn Fascia.....	10.39	2.99
06 46 29 00-0014	LF		2" x 12" Trim, Exterior, Pine, Resawn Fascia.....	13.36	3.35
06 46 29 00-0015			Cedar Fascia Board (06 46 29 00-0001)		
06 46 29 00-0016	LF		1" x 6" Cedar Fascia Board.....	6.37	2.56
06 46 29 00-0017	LF		1" x 8" Cedar Fascia Board.....	7.44	2.85
06 46 29 00-0018	LF		1" x 10" Cedar Fascia Board.....	8.56	2.99
06 46 29 00-0019	LF		1" x 12" Cedar Fascia Board.....	10.33	3.35
06 46 29 00-0020			Engineered Wood Fascia Board (06 46 29 00-0001)		
06 46 29 00-0021	LF		1" x 6" Engineered Wood Fascia Board.....	5.74	2.56
06 46 29 00-0022	LF		1" x 8" Engineered Wood Fascia Board.....	6.51	2.85
06 46 29 00-0023	LF		1" x 12" Engineered Wood Fascia Board.....	7.91	3.35
06 46 29 00-0024			Soffit (06 46 29)		
06 46 29 00-0025			Sanded Plywood Soffit (06 46 29 00-0024)		
06 46 29 00-0026	SF		3/8" Thick, Sanded Plywood Soffit.....	4.91	1.94
06 46 29 00-0027	SF		1/2" Thick, Sanded Plywood Soffit.....	5.34	2.04
06 46 29 00-0028	SF		5/8" Thick, Sanded Plywood Soffit.....	5.62	2.13
06 46 29 00-0029	SF		3/4" Thick, Sanded Plywood Soffit.....	6.16	2.25
06 46 29 00-0030			MDO Plywood Soffit (06 46 29 00-0024)		
06 46 29 00-0031	SF		3/8" Thick, MDO Plywood Soffit.....	5.39	1.94

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 46 Wood Trim**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

06 46 29 00-0032	SF	1/2" Thick, MDO Plywood Soffit.....	5.95	2.04
06 46 29 00-0033	SF	3/4" Thick, MDO Plywood Soffit.....	7.33	2.25

06 46 29 00-0034 Exterior Ceiling Gypsum Board Soffit (06 46 29 00-0024)

06 46 29 00-0035	SF	1/2" Thick, Exterior Ceiling Gypsum Board Soffit.....	4.04	1.69
06 46 29 00-0036	SF	5/8" Thick, Fire Rated, Exterior Ceiling Gypsum Board Soffit.....	4.35	1.79

06 46 36 Custom Wood Molding (06 46)

Note: Includes set-up, knife charge, gluing (Where necessary for widths over 7-1/2"). All dimensions are nominal.

06 46 36 00-0001 Ash (06 46 36)

06 46 36 00-0002	LF	3/4" x 1-1/2" Custom Shaped Ash.....	9.00	1.41
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.04	
06 46 36 00-0003	LF	3/4" x 2-1/2" Custom Shaped Ash.....	11.38	1.41
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.07	
06 46 36 00-0004	LF	3/4" x 3-1/2" Custom Shaped Ash.....	13.78	1.41
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.11	
06 46 36 00-0005	LF	3/4" x 4-1/2" Custom Shaped Ash.....	16.17	1.54
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.14	
06 46 36 00-0006	LF	3/4" x 5-1/2" Custom Shaped Ash.....	18.69	1.54
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.21	
06 46 36 00-0007	LF	3/4" x 6-1/2" Custom Shaped Ash.....	21.22	1.67
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.27	
06 46 36 00-0008	LF	3/4" x 7-1/2" Custom Shaped Ash.....	23.59	1.67
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.30	
06 46 36 00-0009	LF	3/4" x 8-1/2" Custom Shaped Ash.....	26.00	1.67
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.34	
06 46 36 00-0010	LF	3/4" x 9-1/2" Custom Shaped Ash.....	28.33	1.80
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.36	
06 46 36 00-0011	LF	3/4" x 10-1/2" Custom Shaped Ash.....	30.88	1.80
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.43	
06 46 36 00-0012	LF	3/4" x 11-1/2" Custom Shaped Ash.....	33.33	1.92
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.48	
06 46 36 00-0013	LF	1" x 1-1/2" Custom Shaped Ash.....	10.68	1.41
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.07	
06 46 36 00-0014	LF	1" x 2-1/2" Custom Shaped Ash.....	13.81	1.41
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.10	
06 46 36 00-0015	LF	1" x 3-1/2" Custom Shaped Ash.....	16.95	1.54
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.14	
06 46 36 00-0016	LF	1" x 4-1/2" Custom Shaped Ash.....	20.08	1.54
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.17	
06 46 36 00-0017	LF	1" x 5-1/2" Custom Shaped Ash.....	23.41	1.67
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.24	
06 46 36 00-0018	LF	1" x 6-1/2" Custom Shaped Ash.....	26.69	1.67
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.30	
06 46 36 00-0019	LF	1" x 7-1/2" Custom Shaped Ash.....	29.80	1.67
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.33	
06 46 36 00-0020	LF	1" x 8-1/2" Custom Shaped Ash.....	32.97	1.80
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.37	
06 46 36 00-0021	LF	1" x 9-1/2" Custom Shaped Ash.....	36.08	1.80
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.39	
06 46 36 00-0022	LF	1" x 10-1/2" Custom Shaped Ash.....	39.39	1.92
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.46	
06 46 36 00-0023	LF	1" x 11-1/2" Custom Shaped Ash.....	42.58	1.92
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.51	
06 46 36 00-0024	LF	1-1/4" x 1-1/2" Custom Shaped Ash.....	12.79	1.41
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.10	
06 46 36 00-0025	LF	1-1/4" x 2-1/2" Custom Shaped Ash.....	16.93	1.41
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.13	
06 46 36 00-0026	LF	1-1/4" x 3-1/2" Custom Shaped Ash.....	21.08	1.54
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.17	
06 46 36 00-0027	LF	1-1/4" x 4-1/2" Custom Shaped Ash.....	25.22	1.54
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.20	
06 46 36 00-0028	LF	1-1/4" x 5-1/2" Custom Shaped Ash.....	29.52	1.67
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.27	
06 46 36 00-0029	LF	1-1/4" x 6-1/2" Custom Shaped Ash.....	33.80	1.67
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.33	
06 46 36 00-0030	LF	1-1/4" x 7-1/2" Custom Shaped Ash.....	37.93	1.80
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.36	
06 46 36 00-0031	LF	1-1/4" x 8-1/2" Custom Shaped Ash.....	42.12	1.80
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.40	
06 46 36 00-0032	LF	1-1/4" x 9-1/2" Custom Shaped Ash.....	46.19	1.80
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.42	
06 46 36 00-0033	LF	1-1/4" x 10-1/2" Custom Shaped Ash.....	50.51	1.92
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.49	
06 46 36 00-0034	LF	1-1/4" x 11-1/2" Custom Shaped Ash.....	54.71	2.05
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.54	
06 46 36 00-0035	LF	1-1/2" x 1-1/2" Custom Shaped Ash.....	15.80	1.41
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.13	
06 46 36 00-0036	LF	1-1/2" x 2-1/2" Custom Shaped Ash.....	21.38	1.54
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.16	
06 46 36 00-0037	LF	1-1/2" x 3-1/2" Custom Shaped Ash.....	26.97	1.54
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.19	
06 46 36 00-0038	LF	1-1/2" x 4-1/2" Custom Shaped Ash.....	32.56	1.67
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.23	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0039	LF	1-1/2" x 5-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	38.16 1.27	1.67
06 46 36 00-0040	LF	1-1/2" x 6-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	44.02 1.36	1.80
06 46 36 00-0041	LF	1-1/2" x 7-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	49.70 1.39	1.80
06 46 36 00-0042	LF	1-1/2" x 8-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	55.22 1.43	1.80
06 46 36 00-0043	LF	1-1/2" x 9-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	60.74 1.45	1.92
06 46 36 00-0044	LF	1-1/2" x 10-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	67.03 1.52	1.92
06 46 36 00-0045	LF	1-1/2" x 11-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	72.14 1.57	2.05
06 46 36 00-0046 Basswood (06 46 36)				
06 46 36 00-0047	LF	3/4" x 1-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	7.51 1.04	1.41
06 46 36 00-0048	LF	3/4" x 2-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.14 1.07	1.41
06 46 36 00-0049	LF	3/4" x 3-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.79 1.11	1.41
06 46 36 00-0050	LF	3/4" x 4-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.43 1.14	1.54
06 46 36 00-0051	LF	3/4" x 5-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.21 1.21	1.54
06 46 36 00-0052	LF	3/4" x 6-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	15.99 1.27	1.67
06 46 36 00-0053	LF	3/4" x 7-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	17.62 1.30	1.67
06 46 36 00-0054	LF	3/4" x 8-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	19.28 1.34	1.80
06 46 36 00-0055	LF	3/4" x 9-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	20.85 1.36	1.80
06 46 36 00-0056	LF	3/4" x 10-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	22.66 1.43	1.92
06 46 36 00-0057	LF	3/4" x 11-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	24.36 1.48	1.92
06 46 36 00-0058	LF	1" x 1-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.55 1.07	1.41
06 46 36 00-0059	LF	1" x 2-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.61 1.10	1.41
06 46 36 00-0060	LF	1" x 3-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.68 1.14	1.54
06 46 36 00-0061	LF	1" x 4-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.74 1.17	1.54
06 46 36 00-0062	LF	1" x 5-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	17.00 1.24	1.67
06 46 36 00-0063	LF	1" x 6-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	19.22 1.30	1.67
06 46 36 00-0064	LF	1" x 7-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	21.26 1.33	1.80
06 46 36 00-0065	LF	1" x 8-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	23.36 1.37	1.80
06 46 36 00-0066	LF	1" x 9-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	25.40 1.39	1.80
06 46 36 00-0067	LF	1" x 10-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	27.65 1.46	1.92
06 46 36 00-0068	LF	1" x 11-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	29.77 1.51	1.92
06 46 36 00-0069	LF	1-1/2" x 1-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	11.61 1.10	1.41
06 46 36 00-0070	LF	1-1/2" x 2-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	15.17 1.13	1.41
06 46 36 00-0071	LF	1-1/2" x 3-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	18.73 1.17	1.54
06 46 36 00-0072	LF	1-1/2" x 4-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	22.29 1.20	1.54
06 46 36 00-0073	LF	1-1/2" x 5-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	25.99 1.27	1.67
06 46 36 00-0074	LF	1-1/2" x 6-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	29.69 1.33	1.80
06 46 36 00-0075	LF	1-1/2" x 7-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	33.24 1.36	1.80
06 46 36 00-0076	LF	1-1/2" x 8-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	36.83 1.40	1.80
06 46 36 00-0077	LF	1-1/2" x 9-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	40.32 1.42	1.80
06 46 36 00-0078	LF	1-1/2" x 10-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	44.05 1.49	1.92
06 46 36 00-0079	LF	1-1/2" x 11-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	47.67 1.54	2.05
06 46 36 00-0080	LF	3-1/2" x 3-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	44.80 1.27	1.67
06 46 36 00-0081	LF	3-1/2" x 4-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	54.87 1.33	1.67
06 46 36 00-0082	LF	3-1/2" x 5-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	64.83 1.36	1.80

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 46 Wood Trim**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

06 46 36 00-0083	LF	3-1/2" x 6-1/2" Custom Shaped Basswood.....	75.03	1.92
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.45	
06 46 36 00-0084	LF	3-1/2" x 7-1/2" Custom Shaped Basswood.....	84.98	1.92
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.48	
06 46 36 00-0085	LF	3-1/2" x 8-1/2" Custom Shaped Basswood.....	95.16	2.05
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.53	
06 46 36 00-0086	LF	3-1/2" x 9-1/2" Custom Shaped Basswood.....	105.00	2.05
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.56	
06 46 36 00-0087	LF	3-1/2" x 10-1/2" Custom Shaped Basswood.....	114.95	2.05
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.59	
06 46 36 00-0088	LF	3-1/2" x 11-1/2" Custom Shaped Basswood.....	125.16	2.18
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.68	

06 46 36 00-0089 Birch (06 46 36)

06 46 36 00-0090	LF	3/4" x 1-1/2" Custom Shaped Birch.....	8.04	1.41
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.04	
06 46 36 00-0091	LF	3/4" x 2-1/2" Custom Shaped Birch.....	9.94	1.41
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.07	
06 46 36 00-0092	LF	3/4" x 3-1/2" Custom Shaped Birch.....	11.85	1.41
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.11	
06 46 36 00-0093	LF	3/4" x 4-1/2" Custom Shaped Birch.....	13.77	1.54
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.14	
06 46 36 00-0094	LF	3/4" x 5-1/2" Custom Shaped Birch.....	15.81	1.54
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.21	
06 46 36 00-0095	LF	3/4" x 6-1/2" Custom Shaped Birch.....	17.86	1.67
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.27	
06 46 36 00-0096	LF	3/4" x 7-1/2" Custom Shaped Birch.....	19.75	1.67
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.30	
06 46 36 00-0097	LF	3/4" x 8-1/2" Custom Shaped Birch.....	21.68	1.67
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.34	
06 46 36 00-0098	LF	3/4" x 9-1/2" Custom Shaped Birch.....	23.52	1.80
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.36	
06 46 36 00-0099	LF	3/4" x 10-1/2" Custom Shaped Birch.....	25.59	1.80
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.43	
06 46 36 00-0100	LF	3/4" x 11-1/2" Custom Shaped Birch.....	27.56	1.92
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.48	
06 46 36 00-0101	LF	1" x 1-1/2" Custom Shaped Birch.....	9.35	1.41
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.07	
06 46 36 00-0102	LF	1" x 2-1/2" Custom Shaped Birch.....	11.78	1.41
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.10	
06 46 36 00-0103	LF	1" x 3-1/2" Custom Shaped Birch.....	14.28	1.54
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.14	
06 46 36 00-0104	LF	1" x 4-1/2" Custom Shaped Birch.....	16.77	1.54
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.17	
06 46 36 00-0105	LF	1" x 5-1/2" Custom Shaped Birch.....	19.41	1.67
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.24	
06 46 36 00-0106	LF	1" x 6-1/2" Custom Shaped Birch.....	21.99	1.67
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.30	
06 46 36 00-0107	LF	1" x 7-1/2" Custom Shaped Birch.....	24.46	1.67
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.33	
06 46 36 00-0108	LF	1" x 8-1/2" Custom Shaped Birch.....	26.99	1.80
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.37	
06 46 36 00-0109	LF	1" x 9-1/2" Custom Shaped Birch.....	29.41	1.80
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.39	
06 46 36 00-0110	LF	1" x 10-1/2" Custom Shaped Birch.....	32.02	1.92
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.46	
06 46 36 00-0111	LF	1" x 11-1/2" Custom Shaped Birch.....	34.57	1.92
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.51	
06 46 36 00-0112	LF	1-1/4" x 1-1/2" Custom Shaped Birch.....	10.86	1.41
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.10	
06 46 36 00-0113	LF	1-1/4" x 2-1/2" Custom Shaped Birch.....	14.05	1.41
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.13	
06 46 36 00-0114	LF	1-1/4" x 3-1/2" Custom Shaped Birch.....	17.24	1.54
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.17	
06 46 36 00-0115	LF	1-1/4" x 4-1/2" Custom Shaped Birch.....	20.42	1.54
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.20	
06 46 36 00-0116	LF	1-1/4" x 5-1/2" Custom Shaped Birch.....	23.75	1.67
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.27	
06 46 36 00-0117	LF	1-1/4" x 6-1/2" Custom Shaped Birch.....	27.08	1.67
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.33	
06 46 36 00-0118	LF	1-1/4" x 7-1/2" Custom Shaped Birch.....	30.25	1.80
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.36	
06 46 36 00-0119	LF	1-1/4" x 8-1/2" Custom Shaped Birch.....	33.47	1.80
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.40	
06 46 36 00-0120	LF	1-1/4" x 9-1/2" Custom Shaped Birch.....	36.58	1.80
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.42	
06 46 36 00-0121	LF	1-1/4" x 10-1/2" Custom Shaped Birch.....	39.94	1.92
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.49	
06 46 36 00-0122	LF	1-1/4" x 11-1/2" Custom Shaped Birch.....	43.19	2.05
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.54	
06 46 36 00-0123	LF	1-1/2" x 1-1/2" Custom Shaped Birch.....	13.24	1.41
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.13	
06 46 36 00-0124	LF	1-1/2" x 2-1/2" Custom Shaped Birch.....	17.54	1.54
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.16	
06 46 36 00-0125	LF	1-1/2" x 3-1/2" Custom Shaped Birch.....	21.84	1.54
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.19	
06 46 36 00-0126	LF	1-1/2" x 4-1/2" Custom Shaped Birch.....	26.15	1.67
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.23	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0127	LF	1-1/2" x 5-1/2" Custom Shaped Birch For Curved Surfaces With A 2'-0" Maximum Radius, Add	30.48 1.27	1.67
06 46 36 00-0128	LF	1-1/2" x 6-1/2" Custom Shaped Birch For Curved Surfaces With A 2'-0" Maximum Radius, Add	35.05 1.36	1.80
06 46 36 00-0129	LF	1-1/2" x 7-1/2" Custom Shaped Birch For Curved Surfaces With A 2'-0" Maximum Radius, Add	39.34 1.39	1.80
06 46 36 00-0130	LF	1-1/2" x 8-1/2" Custom Shaped Birch For Curved Surfaces With A 2'-0" Maximum Radius, Add	43.70 1.43	1.80
06 46 36 00-0131	LF	1-1/2" x 9-1/2" Custom Shaped Birch For Curved Surfaces With A 2'-0" Maximum Radius, Add	47.93 1.45	1.92
06 46 36 00-0132	LF	1-1/2" x 10-1/2" Custom Shaped Birch For Curved Surfaces With A 2'-0" Maximum Radius, Add	52.94 1.52	1.92
06 46 36 00-0133	LF	1-1/2" x 11-1/2" Custom Shaped Birch For Curved Surfaces With A 2'-0" Maximum Radius, Add	56.77 1.57	2.05
06 46 36 00-0134 Clear Western Cedar (06 46 36)				
06 46 36 00-0135	LF	3/4" x 1-1/2" Custom Shaped Clear West Cedar For Curved Surfaces With A 2'-0" Maximum Radius, Add	8.04 1.04	1.41
06 46 36 00-0136	LF	3/4" x 2-1/2" Custom Shaped Clear West Cedar For Curved Surfaces With A 2'-0" Maximum Radius, Add	9.94 1.07	1.41
06 46 36 00-0137	LF	3/4" x 3-1/2" Custom Shaped Clear West Cedar For Curved Surfaces With A 2'-0" Maximum Radius, Add	11.85 1.11	1.41
06 46 36 00-0138	LF	3/4" x 4-1/2" Custom Shaped Clear West Cedar For Curved Surfaces With A 2'-0" Maximum Radius, Add	13.77 1.14	1.54
06 46 36 00-0139	LF	3/4" x 5-1/2" Custom Shaped Clear West Cedar For Curved Surfaces With A 2'-0" Maximum Radius, Add	15.81 1.21	1.54
06 46 36 00-0140	LF	3/4" x 6-1/2" Custom Shaped Clear West Cedar For Curved Surfaces With A 2'-0" Maximum Radius, Add	17.86 1.27	1.67
06 46 36 00-0141	LF	1" x 1-1/2" Custom Shaped Clear West Cedar For Curved Surfaces With A 2'-0" Maximum Radius, Add	9.45 1.07	1.41
06 46 36 00-0142	LF	1" x 2-1/2" Custom Shaped Clear West Cedar For Curved Surfaces With A 2'-0" Maximum Radius, Add	12.00 1.10	1.41
06 46 36 00-0143	LF	1" x 3-1/2" Custom Shaped Clear West Cedar For Curved Surfaces With A 2'-0" Maximum Radius, Add	14.55 1.14	1.54
06 46 36 00-0144	LF	1" x 4-1/2" Custom Shaped Clear West Cedar For Curved Surfaces With A 2'-0" Maximum Radius, Add	17.09 1.17	1.54
06 46 36 00-0145	LF	1" x 5-1/2" Custom Shaped Clear West Cedar For Curved Surfaces With A 2'-0" Maximum Radius, Add	19.78 1.24	1.67
06 46 36 00-0146	LF	1" x 6-1/2" Custom Shaped Clear West Cedar For Curved Surfaces With A 2'-0" Maximum Radius, Add	22.47 1.30	1.67
06 46 36 00-0147	LF	1-1/4" x 1-1/2" Custom Shaped Clear West Cedar For Curved Surfaces With A 2'-0" Maximum Radius, Add	12.25 1.10	1.41
06 46 36 00-0148	LF	1-1/4" x 2-1/2" Custom Shaped Clear West Cedar For Curved Surfaces With A 2'-0" Maximum Radius, Add	16.13 1.13	1.41
06 46 36 00-0149	LF	1-1/4" x 3-1/2" Custom Shaped Clear West Cedar For Curved Surfaces With A 2'-0" Maximum Radius, Add	20.01 1.17	1.54
06 46 36 00-0150	LF	1-1/4" x 4-1/2" Custom Shaped Clear West Cedar For Curved Surfaces With A 2'-0" Maximum Radius, Add	23.89 1.20	1.54
06 46 36 00-0151	LF	1-1/4" x 5-1/2" Custom Shaped Clear West Cedar For Curved Surfaces With A 2'-0" Maximum Radius, Add	27.92 1.27	1.67
06 46 36 00-0152	LF	1-1/4" x 6-1/2" Custom Shaped Clear West Cedar For Curved Surfaces With A 2'-0" Maximum Radius, Add	31.93 1.33	1.67
06 46 36 00-0153	LF	1-1/2" x 1-1/2" Custom Shaped Clear West Cedar For Curved Surfaces With A 2'-0" Maximum Radius, Add	12.60 1.13	1.41
06 46 36 00-0154	LF	1-1/2" x 2-1/2" Custom Shaped Clear West Cedar For Curved Surfaces With A 2'-0" Maximum Radius, Add	16.58 1.16	1.54
06 46 36 00-0155	LF	1-1/2" x 3-1/2" Custom Shaped Clear West Cedar For Curved Surfaces With A 2'-0" Maximum Radius, Add	20.56 1.19	1.54
06 46 36 00-0156	LF	1-1/2" x 4-1/2" Custom Shaped Clear West Cedar For Curved Surfaces With A 2'-0" Maximum Radius, Add	24.55 1.23	1.67
06 46 36 00-0157	LF	1-1/2" x 5-1/2" Custom Shaped Clear West Cedar For Curved Surfaces With A 2'-0" Maximum Radius, Add	28.56 1.27	1.67
06 46 36 00-0158	LF	1-1/2" x 6-1/2" Custom Shaped Clear West Cedar For Curved Surfaces With A 2'-0" Maximum Radius, Add	32.81 1.36	1.80
06 46 36 00-0159	LF	3-1/2" x 3-1/2" Custom Shaped Clear West Cedar For Curved Surfaces With A 2'-0" Maximum Radius, Add	39.68 1.27	1.67
06 46 36 00-0160	LF	3-1/2" x 4-1/2" Custom Shaped Clear West Cedar For Curved Surfaces With A 2'-0" Maximum Radius, Add	48.47 1.33	1.67
06 46 36 00-0161	LF	3-1/2" x 5-1/2" Custom Shaped Clear West Cedar For Curved Surfaces With A 2'-0" Maximum Radius, Add	57.15 1.36	1.80
06 46 36 00-0162	LF	3-1/2" x 6-1/2" Custom Shaped Clear West Cedar For Curved Surfaces With A 2'-0" Maximum Radius, Add	66.07 1.45	1.92
06 46 36 00-0163	LF	3-1/2" x 7-1/2" Custom Shaped Clear West Cedar For Curved Surfaces With A 2'-0" Maximum Radius, Add	74.73 1.48	1.92
06 46 36 00-0164	LF	3-1/2" x 8-1/2" Custom Shaped Clear West Cedar For Curved Surfaces With A 2'-0" Maximum Radius, Add	83.52 1.53	2.05
06 46 36 00-0165	LF	3-1/2" x 9-1/2" Custom Shaped Clear West Cedar For Curved Surfaces With A 2'-0" Maximum Radius, Add	92.19 1.56	2.05
06 46 36 00-0166	LF	3-1/2" x 10-1/2" Custom Shaped Clear West Cedar For Curved Surfaces With A 2'-0" Maximum Radius, Add	100.86 1.59	2.05
06 46 36 00-0167	LF	3-1/2" x 11-1/2" Custom Shaped Clear West Cedar For Curved Surfaces With A 2'-0" Maximum Radius, Add	109.79 1.68	2.18
06 46 36 00-0168 Cherry (06 46 36)				
06 46 36 00-0169	LF	3/4" x 1-1/2" Custom Shaped Cherry For Curved Surfaces With A 2'-0" Maximum Radius, Add	9.75 1.04	1.41

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 46 Wood Trim**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

06 46 36 00-0170	LF	3/4" x 2-1/2" Custom Shaped Cherry	12.51	1.41
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.07	
06 46 36 00-0171	LF	3/4" x 3-1/2" Custom Shaped Cherry	15.27	1.41
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.11	
06 46 36 00-0172	LF	3/4" x 4-1/2" Custom Shaped Cherry	18.04	1.54
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.14	
06 46 36 00-0173	LF	3/4" x 5-1/2" Custom Shaped Cherry	20.93	1.54
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.21	
06 46 36 00-0174	LF	3/4" x 6-1/2" Custom Shaped Cherry	23.84	1.67
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.27	
06 46 36 00-0175	LF	3/4" x 7-1/2" Custom Shaped Cherry	26.58	1.67
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.30	
06 46 36 00-0176	LF	3/4" x 8-1/2" Custom Shaped Cherry	29.37	1.67
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.34	
06 46 36 00-0177	LF	3/4" x 9-1/2" Custom Shaped Cherry	32.06	1.80
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.36	
06 46 36 00-0178	LF	3/4" x 10-1/2" Custom Shaped Cherry	34.99	1.80
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.43	
06 46 36 00-0179	LF	3/4" x 11-1/2" Custom Shaped Cherry	37.81	1.92
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.48	
06 46 36 00-0180	LF	1" x 1-1/2" Custom Shaped Cherry	11.59	1.41
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.07	
06 46 36 00-0181	LF	1" x 2-1/2" Custom Shaped Cherry	15.20	1.41
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.10	
06 46 36 00-0182	LF	1" x 3-1/2" Custom Shaped Cherry	18.82	1.54
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.14	
06 46 36 00-0183	LF	1" x 4-1/2" Custom Shaped Cherry	22.43	1.54
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.17	
06 46 36 00-0184	LF	1" x 5-1/2" Custom Shaped Cherry	26.18	1.67
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.24	
06 46 36 00-0185	LF	1" x 6-1/2" Custom Shaped Cherry	29.94	1.67
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.30	
06 46 36 00-0186	LF	1" x 7-1/2" Custom Shaped Cherry	33.53	1.67
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.33	
06 46 36 00-0187	LF	1" x 8-1/2" Custom Shaped Cherry	37.24	1.80
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.37	
06 46 36 00-0188	LF	1" x 9-1/2" Custom Shaped Cherry	40.72	1.80
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.39	
06 46 36 00-0189	LF	1" x 10-1/2" Custom Shaped Cherry	44.51	1.92
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.46	
06 46 36 00-0190	LF	1" x 11-1/2" Custom Shaped Cherry	48.18	1.92
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.51	
06 46 36 00-0191	LF	1-1/4" x 1-1/2" Custom Shaped Cherry	13.59	1.41
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.10	
06 46 36 00-0192	LF	1-1/4" x 2-1/2" Custom Shaped Cherry	18.16	1.41
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.13	
06 46 36 00-0193	LF	1-1/4" x 3-1/2" Custom Shaped Cherry	22.68	1.54
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.17	
06 46 36 00-0194	LF	1-1/4" x 4-1/2" Custom Shaped Cherry	27.25	1.54
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.20	
06 46 36 00-0195	LF	1-1/4" x 5-1/2" Custom Shaped Cherry	31.92	1.67
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.27	
06 46 36 00-0196	LF	1-1/4" x 6-1/2" Custom Shaped Cherry	36.63	1.67
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.33	
06 46 36 00-0197	LF	1-1/4" x 7-1/2" Custom Shaped Cherry	41.13	1.80
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.36	
06 46 36 00-0198	LF	1-1/4" x 8-1/2" Custom Shaped Cherry	45.74	1.80
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.40	
06 46 36 00-0199	LF	1-1/4" x 9-1/2" Custom Shaped Cherry	50.19	1.80
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.42	
06 46 36 00-0200	LF	1-1/4" x 10-1/2" Custom Shaped Cherry	54.94	1.92
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.49	
06 46 36 00-0201	LF	1-1/4" x 11-1/2" Custom Shaped Cherry	59.52	2.05
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.54	
06 46 36 00-0202	LF	1-1/2" x 1-1/2" Custom Shaped Cherry	17.29	1.41
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.13	
06 46 36 00-0203	LF	1-1/2" x 2-1/2" Custom Shaped Cherry	23.62	1.54
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.16	
06 46 36 00-0204	LF	1-1/2" x 3-1/2" Custom Shaped Cherry	29.95	1.54
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.19	
06 46 36 00-0205	LF	1-1/2" x 4-1/2" Custom Shaped Cherry	36.30	1.67
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.23	
06 46 36 00-0206	LF	1-1/2" x 5-1/2" Custom Shaped Cherry	42.65	1.67
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.27	
06 46 36 00-0207	LF	1-1/2" x 6-1/2" Custom Shaped Cherry	49.25	1.80
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.36	
06 46 36 00-0208	LF	1-1/2" x 7-1/2" Custom Shaped Cherry	55.57	1.80
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.39	
06 46 36 00-0209	LF	1-1/2" x 8-1/2" Custom Shaped Cherry	61.95	1.80
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.43	
06 46 36 00-0210	LF	1-1/2" x 9-1/2" Custom Shaped Cherry	68.21	1.92
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.45	
06 46 36 00-0211	LF	1-1/2" x 10-1/2" Custom Shaped Cherry	74.82	1.92
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.52	
06 46 36 00-0212	LF	1-1/2" x 11-1/2" Custom Shaped Cherry	81.10	2.05
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.57	

06 46 36 00-0213 Cypress (06 46 36)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0214	LF	3/4" x 1-1/2" Custom Shaped Cypress	.....	7.51	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.04	
06 46 36 00-0215	LF	3/4" x 2-1/2" Custom Shaped Cypress	.....	9.14	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.07	
06 46 36 00-0216	LF	3/4" x 3-1/2" Custom Shaped Cypress	.....	10.79	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.11	
06 46 36 00-0217	LF	3/4" x 4-1/2" Custom Shaped Cypress	.....	12.43	1.54
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.14	
06 46 36 00-0218	LF	3/4" x 5-1/2" Custom Shaped Cypress	.....	14.21	1.54
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.21	
06 46 36 00-0219	LF	3/4" x 6-1/2" Custom Shaped Cypress	.....	15.99	1.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.27	
06 46 36 00-0220	LF	3/4" x 7-1/2" Custom Shaped Cypress	.....	18.04	1.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.30	
06 46 36 00-0221	LF	3/4" x 8-1/2" Custom Shaped Cypress	.....	19.76	1.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.34	
06 46 36 00-0222	LF	3/4" x 9-1/2" Custom Shaped Cypress	.....	22.99	1.80
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.36	
06 46 36 00-0223	LF	3/4" x 10-1/2" Custom Shaped Cypress	.....	25.01	1.80
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.43	
06 46 36 00-0224	LF	1" x 1-1/2" Custom Shaped Cypress	.....	9.88	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.07	
06 46 36 00-0225	LF	1" x 2-1/2" Custom Shaped Cypress	.....	12.58	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.10	
06 46 36 00-0226	LF	1" x 3-1/2" Custom Shaped Cypress	.....	15.35	1.54
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.14	
06 46 36 00-0227	LF	1" x 4-1/2" Custom Shaped Cypress	.....	18.10	1.54
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.17	
06 46 36 00-0228	LF	1" x 5-1/2" Custom Shaped Cypress	.....	21.01	1.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.24	
06 46 36 00-0229	LF	1" x 6-1/2" Custom Shaped Cypress	.....	23.86	1.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.30	
06 46 36 00-0230	LF	1" x 7-1/2" Custom Shaped Cypress	.....	26.59	1.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.33	
06 46 36 00-0231	LF	1" x 8-1/2" Custom Shaped Cypress	.....	29.39	1.80
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.37	
06 46 36 00-0232	LF	1" x 9-1/2" Custom Shaped Cypress	.....	32.07	1.80
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.39	
06 46 36 00-0233	LF	1" x 10-1/2" Custom Shaped Cypress	.....	35.06	1.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.46	
06 46 36 00-0234	LF	1" x 11-1/2" Custom Shaped Cypress	.....	37.77	1.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.51	
06 46 36 00-0235	LF	1-1/2" x 1-1/2" Custom Shaped Cypress	.....	11.53	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.13	
06 46 36 00-0236	LF	1-1/2" x 2-1/2" Custom Shaped Cypress	.....	14.98	1.54
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.16	
06 46 36 00-0237	LF	1-1/2" x 3-1/2" Custom Shaped Cypress	.....	18.43	1.54
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.19	
06 46 36 00-0238	LF	1-1/2" x 4-1/2" Custom Shaped Cypress	.....	21.88	1.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.23	
06 46 36 00-0239	LF	1-1/2" x 5-1/2" Custom Shaped Cypress	.....	25.35	1.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.27	
06 46 36 00-0240	LF	1-1/2" x 6-1/2" Custom Shaped Cypress	.....	29.07	1.80
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.36	
06 46 36 00-0241	LF	1-1/2" x 7-1/2" Custom Shaped Cypress	.....	32.51	1.80
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.39	
06 46 36 00-0242	LF	1-1/2" x 8-1/2" Custom Shaped Cypress	.....	36.01	1.80
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.43	
06 46 36 00-0243	LF	1-1/2" x 9-1/2" Custom Shaped Cypress	.....	42.59	1.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.45	
06 46 36 00-0244	LF	1-1/2" x 10-1/2" Custom Shaped Cypress	.....	46.42	1.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.52	
06 46 36 00-0245 Fir (06 46 36)					
06 46 36 00-0246	LF	3/4" x 1-1/2" Custom Shaped Fir	.....	8.36	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.04	
06 46 36 00-0247	LF	3/4" x 2-1/2" Custom Shaped Fir	.....	10.42	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.07	
06 46 36 00-0248	LF	3/4" x 3-1/2" Custom Shaped Fir	.....	12.50	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.11	
06 46 36 00-0249	LF	3/4" x 4-1/2" Custom Shaped Fir	.....	14.57	1.54
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.14	
06 46 36 00-0250	LF	3/4" x 5-1/2" Custom Shaped Fir	.....	16.77	1.54
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.21	
06 46 36 00-0251	LF	3/4" x 6-1/2" Custom Shaped Fir	.....	18.98	1.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.27	
06 46 36 00-0252	LF	3/4" x 7-1/2" Custom Shaped Fir	.....	21.03	1.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.30	
06 46 36 00-0253	LF	3/4" x 8-1/2" Custom Shaped Fir	.....	23.12	1.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.34	
06 46 36 00-0254	LF	3/4" x 9-1/2" Custom Shaped Fir	.....	25.12	1.80
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.36	
06 46 36 00-0255	LF	3/4" x 10-1/2" Custom Shaped Fir	.....	27.35	1.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.43	
06 46 36 00-0256	LF	1" x 1-1/2" Custom Shaped Fir	.....	9.88	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.07	

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 46 Wood Trim**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

06 46 36 00-0257	LF	1" x 2-1/2" Custom Shaped Fir	12.58	1.41
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.10	
06 46 36 00-0258	LF	1" x 3-1/2" Custom Shaped Fir	15.35	1.54
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.14	
06 46 36 00-0259	LF	1" x 4-1/2" Custom Shaped Fir	18.10	1.54
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.17	
06 46 36 00-0260	LF	1" x 5-1/2" Custom Shaped Fir	21.01	1.67
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.24	
06 46 36 00-0261	LF	1" x 6-1/2" Custom Shaped Fir	23.86	1.67
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.30	
06 46 36 00-0262	LF	1" x 7-1/2" Custom Shaped Fir	26.59	1.67
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.33	
06 46 36 00-0263	LF	1" x 8-1/2" Custom Shaped Fir	29.39	1.80
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.37	
06 46 36 00-0264	LF	1" x 9-1/2" Custom Shaped Fir	32.07	1.80
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.39	
06 46 36 00-0265	LF	1" x 10-1/2" Custom Shaped Fir	35.06	1.92
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.46	
06 46 36 00-0266	LF	1" x 11-1/2" Custom Shaped Fir	37.77	1.92
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.51	
06 46 36 00-0267	LF	1-1/4" x 1-1/2" Custom Shaped Fir	11.02	1.41
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.10	
06 46 36 00-0268	LF	1-1/4" x 2-1/2" Custom Shaped Fir	14.31	1.41
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.13	
06 46 36 00-0269	LF	1-1/4" x 3-1/2" Custom Shaped Fir	17.56	1.54
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.17	
06 46 36 00-0270	LF	1-1/4" x 4-1/2" Custom Shaped Fir	20.85	1.54
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.20	
06 46 36 00-0271	LF	1-1/4" x 5-1/2" Custom Shaped Fir	24.23	1.67
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.27	
06 46 36 00-0272	LF	1-1/4" x 6-1/2" Custom Shaped Fir	27.66	1.67
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.33	
06 46 36 00-0273	LF	1-1/4" x 7-1/2" Custom Shaped Fir	30.89	1.80
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.36	
06 46 36 00-0274	LF	1-1/4" x 8-1/2" Custom Shaped Fir	34.22	1.80
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.40	
06 46 36 00-0275	LF	1-1/4" x 9-1/2" Custom Shaped Fir	37.38	1.80
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.42	
06 46 36 00-0276	LF	1-1/4" x 10-1/2" Custom Shaped Fir	40.85	1.92
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.49	
06 46 36 00-0277	LF	1-1/4" x 11-1/2" Custom Shaped Fir	44.15	2.05
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.54	
06 46 36 00-0278	LF	1-1/2" x 1-1/2" Custom Shaped Fir	12.60	1.41
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.13	
06 46 36 00-0279	LF	1-1/2" x 2-1/2" Custom Shaped Fir	16.58	1.54
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.16	
06 46 36 00-0280	LF	1-1/2" x 3-1/2" Custom Shaped Fir	20.56	1.54
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.19	
06 46 36 00-0281	LF	1-1/2" x 4-1/2" Custom Shaped Fir	24.55	1.67
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.23	
06 46 36 00-0282	LF	1-1/2" x 5-1/2" Custom Shaped Fir	28.56	1.67
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.27	
06 46 36 00-0283	LF	1-1/2" x 6-1/2" Custom Shaped Fir	32.81	1.80
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.36	
06 46 36 00-0284	LF	1-1/2" x 7-1/2" Custom Shaped Fir	36.78	1.80
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.39	
06 46 36 00-0285	LF	1-1/2" x 8-1/2" Custom Shaped Fir	40.81	1.92
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.43	
06 46 36 00-0286	LF	1-1/2" x 9-1/2" Custom Shaped Fir	44.73	1.92
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.45	
06 46 36 00-0287	LF	1-1/2" x 10-1/2" Custom Shaped Fir	48.88	2.05
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.52	
06 46 36 00-0288	LF	1-1/2" x 11-1/2" Custom Shaped Fir	52.92	2.05
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.57	
06 46 36 00-0289	LF	2-1/2" x 1-1/2" Custom Shaped Fir	20.51	1.54
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.18	
06 46 36 00-0290	LF	2-1/2" x 2-1/2" Custom Shaped Fir	28.33	1.54
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.21	
06 46 36 00-0291	LF	2-1/2" x 3-1/2" Custom Shaped Fir	36.14	1.67
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.24	
06 46 36 00-0292	LF	2-1/2" x 4-1/2" Custom Shaped Fir	44.07	1.67
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.30	
06 46 36 00-0293	LF	2-1/2" x 5-1/2" Custom Shaped Fir	51.89	1.67
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.33	
06 46 36 00-0294	LF	2-1/2" x 6-1/2" Custom Shaped Fir	59.96	1.80
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.42	
06 46 36 00-0295	LF	2-1/2" x 7-1/2" Custom Shaped Fir	67.77	1.92
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.45	
06 46 36 00-0296	LF	2-1/2" x 8-1/2" Custom Shaped Fir	75.82	1.92
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.50	
06 46 36 00-0297	LF	2-1/2" x 9-1/2" Custom Shaped Fir	83.52	2.05
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.53	
06 46 36 00-0298	LF	2-1/2" x 10-1/2" Custom Shaped Fir	91.34	2.05
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.56	
06 46 36 00-0299	LF	3-1/2" x 3-1/2" Custom Shaped Fir	44.91	1.67
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.27	
06 46 36 00-0300	LF	3-1/2" x 4-1/2" Custom Shaped Fir	54.87	1.67
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.33	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0301	LF	3-1/2" x 5-1/2" Custom Shaped Fir For Curved Surfaces With A 2'-0" Maximum Radius, Add	64.83 1.36	1.80
06 46 36 00-0302	LF	3-1/2" x 6-1/2" Custom Shaped Fir For Curved Surfaces With A 2'-0" Maximum Radius, Add	75.03 1.45	1.92
06 46 36 00-0303	LF	3-1/2" x 7-1/2" Custom Shaped Fir For Curved Surfaces With A 2'-0" Maximum Radius, Add	84.98 1.48	1.92
06 46 36 00-0304	LF	3-1/2" x 8-1/2" Custom Shaped Fir For Curved Surfaces With A 2'-0" Maximum Radius, Add	95.05 1.53	2.05
06 46 36 00-0305	LF	3-1/2" x 9-1/2" Custom Shaped Fir For Curved Surfaces With A 2'-0" Maximum Radius, Add	105.00 1.56	2.05
06 46 36 00-0306	LF	3-1/2" x 10-1/2" Custom Shaped Fir For Curved Surfaces With A 2'-0" Maximum Radius, Add	114.95 1.59	2.05
06 46 36 00-0307 Honduran Mahogany (06 46 36)				
06 46 36 00-0308	LF	3/4" x 1-1/2" Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	10.39 1.04	1.41
06 46 36 00-0309	LF	3/4" x 2-1/2" Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	13.47 1.07	1.41
06 46 36 00-0310	LF	3/4" x 3-1/2" Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	16.55 1.11	1.41
06 46 36 00-0311	LF	3/4" x 4-1/2" Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	19.64 1.14	1.54
06 46 36 00-0312	LF	3/4" x 5-1/2" Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	22.85 1.21	1.54
06 46 36 00-0313	LF	3/4" x 6-1/2" Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	26.08 1.27	1.67
06 46 36 00-0314	LF	3/4" x 7-1/2" Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	29.14 1.30	1.67
06 46 36 00-0315	LF	3/4" x 8-1/2" Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	32.25 1.34	1.80
06 46 36 00-0316	LF	3/4" x 9-1/2" Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	35.26 1.36	1.80
06 46 36 00-0317	LF	3/4" x 10-1/2" Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	38.51 1.43	1.92
06 46 36 00-0318	LF	3/4" x 11-1/2" Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	41.65 1.48	1.92
06 46 36 00-0319	LF	1" x 1-1/2" Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	12.55 1.07	1.41
06 46 36 00-0320	LF	1" x 2-1/2" Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	16.59 1.10	1.41
06 46 36 00-0321	LF	1" x 3-1/2" Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	20.68 1.14	1.54
06 46 36 00-0322	LF	1" x 4-1/2" Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	24.77 1.17	1.54
06 46 36 00-0323	LF	1" x 5-1/2" Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	29.01 1.24	1.67
06 46 36 00-0324	LF	1" x 6-1/2" Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	33.20 1.30	1.67
06 46 36 00-0325	LF	1" x 7-1/2" Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	37.27 1.33	1.80
06 46 36 00-0326	LF	1" x 8-1/2" Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	41.40 1.37	1.80
06 46 36 00-0327	LF	1" x 9-1/2" Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	45.42 1.39	1.80
06 46 36 00-0328	LF	1" x 10-1/2" Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	49.63 1.46	1.92
06 46 36 00-0329	LF	1" x 11-1/2" Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	54.32 1.51	1.92
06 46 36 00-0330	LF	1-1/4" x 1-1/2" Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	14.23 1.10	1.41
06 46 36 00-0331	LF	1-1/4" x 2-1/2" Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	19.12 1.13	1.41
06 46 36 00-0332	LF	1-1/4" x 3-1/2" Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	23.96 1.17	1.54
06 46 36 00-0333	LF	1-1/4" x 4-1/2" Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	28.85 1.20	1.54
06 46 36 00-0334	LF	1-1/4" x 5-1/2" Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	33.84 1.27	1.67
06 46 36 00-0335	LF	1-1/4" x 6-1/2" Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	38.87 1.33	1.80
06 46 36 00-0336	LF	1-1/4" x 7-1/2" Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	43.70 1.36	1.80
06 46 36 00-0337	LF	1-1/4" x 8-1/2" Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	48.63 1.40	1.80
06 46 36 00-0338	LF	1-1/4" x 9-1/2" Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	52.33 1.42	1.80
06 46 36 00-0339	LF	1-1/4" x 10-1/2" Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	58.46 1.49	1.92
06 46 36 00-0340	LF	1-1/4" x 11-1/2" Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	63.36 1.54	2.05
06 46 36 00-0341	LF	1-1/2" x 1-1/2" Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	17.51 1.13	1.41
06 46 36 00-0342	LF	1-1/2" x 2-1/2" Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	23.94 1.16	1.54
06 46 36 00-0343	LF	1-1/2" x 3-1/2" Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	30.38 1.19	1.54
06 46 36 00-0344	LF	1-1/2" x 4-1/2" Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	36.83 1.23	1.54

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 46 Wood Trim**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

06 46 36 00-0345	LF	1-1/2" x 5-1/2" Custom Shaped Honduras Mahogany	43.29	1.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.27	
06 46 36 00-0346	LF	1-1/2" x 6-1/2" Custom Shaped Honduras Mahogany	49.99	1.80
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.36	
06 46 36 00-0347	LF	1-1/2" x 7-1/2" Custom Shaped Honduras Mahogany	56.42	1.80
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.39	
06 46 36 00-0348	LF	1-1/2" x 8-1/2" Custom Shaped Honduras Mahogany	62.91	1.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.43	
06 46 36 00-0349	LF	1-1/2" x 9-1/2" Custom Shaped Honduras Mahogany	69.28	1.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.45	
06 46 36 00-0350	LF	1-1/2" x 10-1/2" Custom Shaped Honduras Mahogany	75.89	1.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.52	
06 46 36 00-0351	LF	1-1/2" x 11-1/2" Custom Shaped Honduras Mahogany	82.49	2.05
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.57	
06 46 36 00-0352	LF	2" x 1-1/2" Custom Shaped Honduras Mahogany	20.75	1.54
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.15	
06 46 36 00-0353	LF	2" x 2-1/2" Custom Shaped Honduras Mahogany	28.78	1.54
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.18	
06 46 36 00-0354	LF	2" x 3-1/2" Custom Shaped Honduras Mahogany	36.76	1.54
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.21	
06 46 36 00-0355	LF	2" x 4-1/2" Custom Shaped Honduras Mahogany	44.90	1.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.27	
06 46 36 00-0356	LF	2" x 5-1/2" Custom Shaped Honduras Mahogany	52.88	1.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.30	
06 46 36 00-0357	LF	2" x 6-1/2" Custom Shaped Honduras Mahogany	61.16	1.80
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.39	
06 46 36 00-0358	LF	2" x 7-1/2" Custom Shaped Honduras Mahogany	69.14	1.80
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.42	
06 46 36 00-0359	LF	2" x 8-1/2" Custom Shaped Honduras Mahogany	77.30	1.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.48	
06 46 36 00-0360	LF	2" x 9-1/2" Custom Shaped Honduras Mahogany	85.26	1.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.50	
06 46 36 00-0361	LF	2" x 10-1/2" Custom Shaped Honduras Mahogany	93.30	2.05
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.54	
06 46 36 00-0362	LF	2" x 11-1/2" Custom Shaped Honduras Mahogany	101.54	2.18
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.63	
06 46 36 00-0363	LF	2-1/2" x 1-1/2" Custom Shaped Honduras Mahogany	25.42	1.54
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.18	
06 46 36 00-0364	LF	2-1/2" x 2-1/2" Custom Shaped Honduras Mahogany	34.09	1.54
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.21	
06 46 36 00-0365	LF	2-1/2" x 3-1/2" Custom Shaped Honduras Mahogany	43.83	1.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.24	
06 46 36 00-0366	LF	2-1/2" x 4-1/2" Custom Shaped Honduras Mahogany	53.67	1.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.30	
06 46 36 00-0367	LF	2-1/2" x 5-1/2" Custom Shaped Honduras Mahogany	63.42	1.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.33	
06 46 36 00-0368	LF	2-1/2" x 6-1/2" Custom Shaped Honduras Mahogany	73.41	1.80
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.42	
06 46 36 00-0369	LF	2-1/2" x 7-1/2" Custom Shaped Honduras Mahogany	83.14	1.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.45	
06 46 36 00-0370	LF	2-1/2" x 8-1/2" Custom Shaped Honduras Mahogany	93.00	1.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.50	
06 46 36 00-0371	LF	2-1/2" x 9-1/2" Custom Shaped Honduras Mahogany	102.74	2.05
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.53	
06 46 36 00-0372	LF	2-1/2" x 10-1/2" Custom Shaped Honduras Mahogany	112.47	2.05
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.56	
06 46 36 00-0373	LF	2-1/2" x 11-1/2" Custom Shaped Honduras Mahogany	122.47	2.18
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.65	
06 46 36 00-0374	LF	3-1/2" x 3-1/2" Custom Shaped Honduras Mahogany	59.32	1.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.27	
06 46 36 00-0375	LF	3-1/2" x 4-1/2" Custom Shaped Honduras Mahogany	73.02	1.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.33	
06 46 36 00-0376	LF	3-1/2" x 5-1/2" Custom Shaped Honduras Mahogany	86.61	1.80
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.36	
06 46 36 00-0377	LF	3-1/2" x 6-1/2" Custom Shaped Honduras Mahogany	100.44	1.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.45	
06 46 36 00-0378	LF	3-1/2" x 7-1/2" Custom Shaped Honduras Mahogany	114.02	1.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.48	
06 46 36 00-0379	LF	3-1/2" x 8-1/2" Custom Shaped Honduras Mahogany	127.72	2.05
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.53	
06 46 36 00-0380	LF	3-1/2" x 9-1/2" Custom Shaped Honduras Mahogany	141.29	2.05
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.56	
06 46 36 00-0381	LF	3-1/2" x 10-1/2" Custom Shaped Honduras Mahogany	154.87	2.05
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.59	
06 46 36 00-0382	LF	3-1/2" x 11-1/2" Custom Shaped Honduras Mahogany	168.71	2.18
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.68	

06 46 36 00-0383 Maple (06 46 36)

06 46 36 00-0384	LF	3/4" x 1-1/2" Custom Shaped Maple	7.94	1.41
06 46 36 00-0385	LF	3/4" x 2-1/2" Custom Shaped Maple	9.78	1.41
06 46 36 00-0386	LF	3/4" x 3-1/2" Custom Shaped Maple	11.64	1.41
06 46 36 00-0387	LF	3/4" x 4-1/2" Custom Shaped Maple	13.50	1.54
06 46 36 00-0388	LF	3/4" x 5-1/2" Custom Shaped Maple	15.49	1.54
06 46 36 00-0389	LF	3/4" x 6-1/2" Custom Shaped Maple	17.49	1.67
06 46 36 00-0390	LF	3/4" x 7-1/2" Custom Shaped Maple	19.32	1.67
06 46 36 00-0391	LF	3/4" x 8-1/2" Custom Shaped Maple	21.20	1.67
06 46 36 00-0392	LF	3/4" x 9-1/2" Custom Shaped Maple	22.99	1.80

MINOR			TOTAL DIRECT		DEMOLITION
CSI UOM DESCRIPTION			UNIT COST		UNIT COST
06 46 36 00-0393	LF	3/4" x 10-1/2" Custom Shaped Maple.....		25.01	1.92
06 46 36 00-0394	LF	3/4" x 11-1/2" Custom Shaped Maple.....		26.92	1.92
06 46 36 00-0395	LF	1" x 1-1/2" Custom Shaped Maple.....		9.35	1.41
06 46 36 00-0396	LF	1" x 2-1/2" Custom Shaped Maple.....		11.78	1.41
06 46 36 00-0397	LF	1" x 3-1/2" Custom Shaped Maple.....		14.28	1.54
06 46 36 00-0398	LF	1" x 4-1/2" Custom Shaped Maple.....		16.77	1.54
06 46 36 00-0399	LF	1" x 5-1/2" Custom Shaped Maple.....		19.41	1.67
06 46 36 00-0400	LF	1" x 6-1/2" Custom Shaped Maple.....		21.99	1.67
06 46 36 00-0401	LF	1" x 7-1/2" Custom Shaped Maple.....		24.46	1.67
06 46 36 00-0402	LF	1" x 8-1/2" Custom Shaped Maple.....		26.99	1.80
06 46 36 00-0403	LF	1" x 9-1/2" Custom Shaped Maple.....		29.41	1.80
06 46 36 00-0404	LF	1" x 10-1/2" Custom Shaped Maple.....		30.95	1.92
06 46 36 00-0405	LF	1" x 11-1/2" Custom Shaped Maple.....		34.57	1.92
06 46 36 00-0406	LF	1-1/4" x 1-1/2" Custom Shaped Maple.....		10.54	1.41
06 46 36 00-0407	LF	1-1/4" x 2-1/2" Custom Shaped Maple.....		13.57	1.41
06 46 36 00-0408	LF	1-1/4" x 3-1/2" Custom Shaped Maple.....		16.60	1.54
06 46 36 00-0409	LF	1-1/4" x 4-1/2" Custom Shaped Maple.....		19.62	1.54
06 46 36 00-0410	LF	1-1/4" x 5-1/2" Custom Shaped Maple.....		22.79	1.67
06 46 36 00-0411	LF	1-1/4" x 6-1/2" Custom Shaped Maple.....		25.95	1.67
06 46 36 00-0412	LF	1-1/4" x 7-1/2" Custom Shaped Maple.....		28.97	1.80
06 46 36 00-0413	LF	1-1/4" x 8-1/2" Custom Shaped Maple.....		32.03	1.80
06 46 36 00-0414	LF	1-1/4" x 9-1/2" Custom Shaped Maple.....		34.98	1.80
06 46 36 00-0415	LF	1-1/4" x 10-1/2" Custom Shaped Maple.....		38.18	1.92
06 46 36 00-0416	LF	1-1/4" x 11-1/2" Custom Shaped Maple.....		41.26	2.05
06 46 36 00-0417	LF	1-1/2" x 1-1/2" Custom Shaped Maple.....		13.02	1.41
06 46 36 00-0418	LF	1-1/2" x 2-1/2" Custom Shaped Maple.....		17.22	1.54
06 46 36 00-0419	LF	1-1/2" x 3-1/2" Custom Shaped Maple.....		21.41	1.54
06 46 36 00-0420	LF	1-1/2" x 4-1/2" Custom Shaped Maple.....		25.62	1.67
06 46 36 00-0421	LF	1-1/2" x 5-1/2" Custom Shaped Maple.....		29.84	1.67
06 46 36 00-0422	LF	1-1/2" x 6-1/2" Custom Shaped Maple.....		34.30	1.80
06 46 36 00-0423	LF	1-1/2" x 7-1/2" Custom Shaped Maple.....		38.49	1.80
06 46 36 00-0424	LF	1-1/2" x 8-1/2" Custom Shaped Maple.....		43.27	1.92
06 46 36 00-0425	LF	1-1/2" x 9-1/2" Custom Shaped Maple.....		46.86	1.92
06 46 36 00-0426	LF	1-1/2" x 10-1/2" Custom Shaped Maple.....		51.33	2.05
06 46 36 00-0427	LF	1-1/2" x 11-1/2" Custom Shaped Maple.....		55.48	2.05
06 46 36 00-0428	LF	2" x 1-1/2" Custom Shaped Maple.....		17.02	1.54
06 46 36 00-0429	LF	2" x 2-1/2" Custom Shaped Maple.....		23.18	1.54
06 46 36 00-0430	LF	2" x 3-1/2" Custom Shaped Maple.....		29.29	1.54
06 46 36 00-0431	LF	2" x 4-1/2" Custom Shaped Maple.....		35.56	1.67
06 46 36 00-0432	LF	2" x 5-1/2" Custom Shaped Maple.....		41.68	1.67
06 46 36 00-0433	LF	2" x 6-1/2" Custom Shaped Maple.....		48.09	1.80
06 46 36 00-0434	LF	2" x 7-1/2" Custom Shaped Maple.....		54.19	1.80
06 46 36 00-0435	LF	2" x 8-1/2" Custom Shaped Maple.....		60.48	1.92
06 46 36 00-0436	LF	2" x 9-1/2" Custom Shaped Maple.....		66.58	1.92
06 46 36 00-0437	LF	2" x 10-1/2" Custom Shaped Maple.....		72.75	2.05
06 46 36 00-0438	LF	2" x 11-1/2" Custom Shaped Maple.....		79.65	2.18
06 46 36 00-0439	LF	3-1/2" x 3-1/2" Custom Shaped Maple.....		63.59	1.67
06 46 36 00-0440	LF	3-1/2" x 4-1/2" Custom Shaped Maple.....		78.35	1.67
06 46 36 00-0441	LF	3-1/2" x 5-1/2" Custom Shaped Maple.....		93.01	1.80
06 46 36 00-0442	LF	3-1/2" x 6-1/2" Custom Shaped Maple.....		107.91	1.92
06 46 36 00-0443	LF	3-1/2" x 7-1/2" Custom Shaped Maple.....		122.56	1.92
06 46 36 00-0444	LF	3-1/2" x 8-1/2" Custom Shaped Maple.....		137.32	2.05
06 46 36 00-0445	LF	3-1/2" x 9-1/2" Custom Shaped Maple.....		151.97	2.05
06 46 36 00-0446	LF	3-1/2" x 10-1/2" Custom Shaped Maple.....		166.62	2.05
06 46 36 00-0447	LF	3-1/2" x 11-1/2" Custom Shaped Maple.....		181.52	2.18
06 46 36 00-0448 Appl Soft Maple (06 46 36)					
06 46 36 00-0449	LF	3/4" x 1-1/2" Custom Shaped Appl Soft Maple.....		8.04	1.41
06 46 36 00-0450	LF	3/4" x 2-1/2" Custom Shaped Appl Soft Maple.....		9.94	1.41
06 46 36 00-0451	LF	3/4" x 3-1/2" Custom Shaped Appl Soft Maple.....		11.85	1.41
06 46 36 00-0452	LF	3/4" x 4-1/2" Custom Shaped Appl Soft Maple.....		13.77	1.54
06 46 36 00-0453	LF	3/4" x 5-1/2" Custom Shaped Appl Soft Maple.....		15.81	1.54
06 46 36 00-0454	LF	3/4" x 6-1/2" Custom Shaped Appl Soft Maple.....		17.86	1.67
06 46 36 00-0455	LF	3/4" x 7-1/2" Custom Shaped Appl Soft Maple.....		19.75	1.67
06 46 36 00-0456	LF	3/4" x 8-1/2" Custom Shaped Appl Soft Maple.....		21.68	1.67
06 46 36 00-0457	LF	3/4" x 9-1/2" Custom Shaped Appl Soft Maple.....		23.52	1.80
06 46 36 00-0458	LF	3/4" x 10-1/2" Custom Shaped Appl Soft Maple.....		25.59	1.92
06 46 36 00-0459	LF	3/4" x 11-1/2" Custom Shaped Appl Soft Maple.....		27.56	1.92
06 46 36 00-0460	LF	1" x 1-1/2" Custom Shaped Appl Soft Maple.....		9.08	1.41
06 46 36 00-0461	LF	1" x 2-1/2" Custom Shaped Appl Soft Maple.....		11.41	1.41
06 46 36 00-0462	LF	1" x 3-1/2" Custom Shaped Appl Soft Maple.....		13.75	1.54
06 46 36 00-0463	LF	1" x 4-1/2" Custom Shaped Appl Soft Maple.....		16.02	1.54
06 46 36 00-0464	LF	1" x 5-1/2" Custom Shaped Appl Soft Maple.....		18.61	1.67
06 46 36 00-0465	LF	1" x 6-1/2" Custom Shaped Appl Soft Maple.....		21.08	1.67
06 46 36 00-0466	LF	1" x 7-1/2" Custom Shaped Appl Soft Maple.....		23.39	1.67
06 46 36 00-0467	LF	1" x 8-1/2" Custom Shaped Appl Soft Maple.....		25.76	1.80
06 46 36 00-0468	LF	1" x 9-1/2" Custom Shaped Appl Soft Maple.....		28.07	1.80
06 46 36 00-0469	LF	1" x 10-1/2" Custom Shaped Appl Soft Maple.....		30.58	1.92
06 46 36 00-0470	LF	1" x 11-1/2" Custom Shaped Appl Soft Maple.....		32.97	1.92
06 46 36 00-0471	LF	1-1/4" x 1-1/2" Custom Shaped Appl Soft Maple.....		10.06	1.41
06 46 36 00-0472	LF	1-1/4" x 2-1/2" Custom Shaped Appl Soft Maple.....		12.87	1.41
06 46 36 00-0473	LF	1-1/4" x 3-1/2" Custom Shaped Appl Soft Maple.....		15.64	1.54
06 46 36 00-0474	LF	1-1/4" x 4-1/2" Custom Shaped Appl Soft Maple.....		18.45	1.54
06 46 36 00-0475	LF	1-1/4" x 5-1/2" Custom Shaped Appl Soft Maple.....		21.35	1.67

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 46 Wood Trim**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

06 46 36 00-0476	LF	1-1/4" x 6-1/2" Custom Shaped Appl Soft Maple	24.30	1.67
06 46 36 00-0477	LF	1-1/4" x 7-1/2" Custom Shaped Appl Soft Maple	27.04	1.80
06 46 36 00-0478	LF	1-1/4" x 8-1/2" Custom Shaped Appl Soft Maple	29.89	1.80
06 46 36 00-0479	LF	1-1/4" x 9-1/2" Custom Shaped Appl Soft Maple	32.58	1.80
06 46 36 00-0480	LF	1-1/4" x 10-1/2" Custom Shaped Appl Soft Maple	35.57	1.92
06 46 36 00-0481	LF	1-1/4" x 11-1/2" Custom Shaped Appl Soft Maple	38.38	2.05
06 46 36 00-0482	LF	1-1/2" x 1-1/2" Custom Shaped Appl Soft Maple	11.95	1.41
06 46 36 00-0483	LF	1-1/2" x 2-1/2" Custom Shaped Appl Soft Maple	15.62	1.54
06 46 36 00-0484	LF	1-1/2" x 3-1/2" Custom Shaped Appl Soft Maple	19.28	1.54
06 46 36 00-0485	LF	1-1/2" x 4-1/2" Custom Shaped Appl Soft Maple	22.95	1.67
06 46 36 00-0486	LF	1-1/2" x 5-1/2" Custom Shaped Appl Soft Maple	26.63	1.67
06 46 36 00-0487	LF	1-1/2" x 6-1/2" Custom Shaped Appl Soft Maple	30.57	1.80
06 46 36 00-0488	LF	1-1/2" x 7-1/2" Custom Shaped Appl Soft Maple	34.22	1.80
06 46 36 00-0489	LF	1-1/2" x 8-1/2" Custom Shaped Appl Soft Maple	37.93	1.92
06 46 36 00-0490	LF	1-1/2" x 9-1/2" Custom Shaped Appl Soft Maple	41.52	1.92
06 46 36 00-0491	LF	1-1/2" x 10-1/2" Custom Shaped Appl Soft Maple	45.36	2.05
06 46 36 00-0492	LF	1-1/2" x 11-1/2" Custom Shaped Appl Soft Maple	49.08	2.05

06 46 36 00-0493**Red Oak** (06 46 36)

06 46 36 00-0494	LF	3/4" x 1-1/2" Custom Shaped Red Oak	8.58	1.41
06 46 36 00-0495	LF	3/4" x 2-1/2" Custom Shaped Red Oak	10.74	1.41
06 46 36 00-0496	LF	3/4" x 3-1/2" Custom Shaped Red Oak	12.92	1.41
06 46 36 00-0497	LF	3/4" x 4-1/2" Custom Shaped Red Oak	15.10	1.54
06 46 36 00-0498	LF	3/4" x 5-1/2" Custom Shaped Red Oak	17.41	1.54
06 46 36 00-0499	LF	3/4" x 6-1/2" Custom Shaped Red Oak	19.73	1.67
06 46 36 00-0500	LF	3/4" x 7-1/2" Custom Shaped Red Oak	21.88	1.67
06 46 36 00-0501	LF	3/4" x 8-1/2" Custom Shaped Red Oak	24.08	1.67
06 46 36 00-0502	LF	3/4" x 9-1/2" Custom Shaped Red Oak	26.19	1.80
06 46 36 00-0503	LF	3/4" x 10-1/2" Custom Shaped Red Oak	28.53	1.92
06 46 36 00-0504	LF	3/4" x 11-1/2" Custom Shaped Red Oak	30.77	1.92
06 46 36 00-0505	LF	1" x 1-1/2" Custom Shaped Red Oak	10.25	1.41
06 46 36 00-0506	LF	1" x 2-1/2" Custom Shaped Red Oak	13.22	1.41
06 46 36 00-0507	LF	1" x 3-1/2" Custom Shaped Red Oak	16.15	1.54
06 46 36 00-0508	LF	1" x 4-1/2" Custom Shaped Red Oak	20.18	1.54
06 46 36 00-0509	LF	1" x 5-1/2" Custom Shaped Red Oak	22.18	1.67
06 46 36 00-0510	LF	1" x 6-1/2" Custom Shaped Red Oak	25.30	1.67
06 46 36 00-0511	LF	1" x 7-1/2" Custom Shaped Red Oak	28.20	1.67
06 46 36 00-0512	LF	1" x 8-1/2" Custom Shaped Red Oak	31.15	1.80
06 46 36 00-0513	LF	1" x 9-1/2" Custom Shaped Red Oak	34.05	1.80
06 46 36 00-0514	LF	1" x 10-1/2" Custom Shaped Red Oak	37.20	1.92
06 46 36 00-0515	LF	1" x 11-1/2" Custom Shaped Red Oak	40.17	1.92
06 46 36 00-0516	LF	1-1/4" x 1-1/2" Custom Shaped Red Oak	12.63	1.41
06 46 36 00-0517	LF	1-1/4" x 2-1/2" Custom Shaped Red Oak	16.72	1.41
06 46 36 00-0518	LF	1-1/4" x 3-1/2" Custom Shaped Red Oak	20.76	1.54
06 46 36 00-0519	LF	1-1/4" x 4-1/2" Custom Shaped Red Oak	24.85	1.54
06 46 36 00-0520	LF	1-1/4" x 5-1/2" Custom Shaped Red Oak	29.04	1.67
06 46 36 00-0521	LF	1-1/4" x 6-1/2" Custom Shaped Red Oak	33.27	1.67
06 46 36 00-0522	LF	1-1/4" x 7-1/2" Custom Shaped Red Oak	37.29	1.80
06 46 36 00-0523	LF	1-1/4" x 8-1/2" Custom Shaped Red Oak	41.42	1.80
06 46 36 00-0524	LF	1-1/4" x 9-1/2" Custom Shaped Red Oak	45.39	1.80
06 46 36 00-0525	LF	1-1/4" x 10-1/2" Custom Shaped Red Oak	49.66	1.92
06 46 36 00-0526	LF	1-1/4" x 11-1/2" Custom Shaped Red Oak	53.75	2.05
06 46 36 00-0527	LF	1-1/2" x 1-1/2" Custom Shaped Red Oak	17.51	1.41
06 46 36 00-0528	LF	1-1/2" x 2-1/2" Custom Shaped Red Oak	23.94	1.54
06 46 36 00-0529	LF	1-1/2" x 3-1/2" Custom Shaped Red Oak	30.38	1.54
06 46 36 00-0530	LF	1-1/2" x 4-1/2" Custom Shaped Red Oak	36.83	1.54
06 46 36 00-0531	LF	1-1/2" x 5-1/2" Custom Shaped Red Oak	43.29	1.67
06 46 36 00-0532	LF	1-1/2" x 6-1/2" Custom Shaped Red Oak	50.10	1.80
06 46 36 00-0533	LF	1-1/2" x 7-1/2" Custom Shaped Red Oak	56.42	1.80
06 46 36 00-0534	LF	1-1/2" x 8-1/2" Custom Shaped Red Oak	63.98	1.92
06 46 36 00-0535	LF	1-1/2" x 9-1/2" Custom Shaped Red Oak	69.28	1.92
06 46 36 00-0536	LF	1-1/2" x 10-1/2" Custom Shaped Red Oak	75.89	1.92
06 46 36 00-0537	LF	1-1/2" x 11-1/2" Custom Shaped Red Oak	82.38	2.05
06 46 36 00-0538	LF	2" x 1-1/2" Custom Shaped Red Oak	26.63	1.54
06 46 36 00-0539	LF	2" x 2-1/2" Custom Shaped Red Oak	37.59	1.54
06 46 36 00-0540	LF	2" x 3-1/2" Custom Shaped Red Oak	48.50	1.54
06 46 36 00-0541	LF	2" x 4-1/2" Custom Shaped Red Oak	59.57	1.67
06 46 36 00-0542	LF	2" x 5-1/2" Custom Shaped Red Oak	70.50	1.67
06 46 36 00-0543	LF	2" x 6-1/2" Custom Shaped Red Oak	81.71	1.80
06 46 36 00-0544	LF	2" x 7-1/2" Custom Shaped Red Oak	92.62	1.80
06 46 36 00-0545	LF	2" x 8-1/2" Custom Shaped Red Oak	103.72	1.92
06 46 36 00-0546	LF	2" x 9-1/2" Custom Shaped Red Oak	114.62	1.92
06 46 36 00-0547	LF	2" x 10-1/2" Custom Shaped Red Oak	125.59	2.05
06 46 36 00-0548	LF	2" x 11-1/2" Custom Shaped Red Oak	136.76	2.18

06 46 36 00-0549**White Oak** (06 46 36)

06 46 36 00-0550	LF	3/4" x 1-1/2" Custom Shaped White Oak	8.68	1.41
06 46 36 00-0551	LF	3/4" x 2-1/2" Custom Shaped White Oak	10.90	1.41
06 46 36 00-0552	LF	3/4" x 3-1/2" Custom Shaped White Oak	13.14	1.41
06 46 36 00-0553	LF	3/4" x 4-1/2" Custom Shaped White Oak	15.37	1.54
06 46 36 00-0554	LF	3/4" x 5-1/2" Custom Shaped White Oak	17.73	1.54
06 46 36 00-0555	LF	3/4" x 6-1/2" Custom Shaped White Oak	20.10	1.67
06 46 36 00-0556	LF	3/4" x 7-1/2" Custom Shaped White Oak	22.31	1.67

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0557	LF	3/4" x 8-1/2" Custom Shaped White Oak.....	24.56	1.67
06 46 36 00-0558	LF	3/4" x 9-1/2" Custom Shaped White Oak.....	26.72	1.80
06 46 36 00-0559	LF	3/4" x 10-1/2" Custom Shaped White Oak.....	29.12	1.92
06 46 36 00-0560	LF	3/4" x 11-1/2" Custom Shaped White Oak.....	31.41	1.92
06 46 36 00-0561	LF	1" x 1-1/2" Custom Shaped White Oak.....	10.25	1.41
06 46 36 00-0562	LF	1" x 2-1/2" Custom Shaped White Oak.....	13.22	1.41
06 46 36 00-0563	LF	1" x 3-1/2" Custom Shaped White Oak.....	16.15	1.54
06 46 36 00-0564	LF	1" x 4-1/2" Custom Shaped White Oak.....	20.18	1.54
06 46 36 00-0565	LF	1" x 5-1/2" Custom Shaped White Oak.....	22.18	1.67
06 46 36 00-0566	LF	1" x 6-1/2" Custom Shaped White Oak.....	25.30	1.67
06 46 36 00-0567	LF	1" x 7-1/2" Custom Shaped White Oak.....	28.20	1.67
06 46 36 00-0568	LF	1" x 8-1/2" Custom Shaped White Oak.....	31.15	1.80
06 46 36 00-0569	LF	1" x 9-1/2" Custom Shaped White Oak.....	34.05	1.80
06 46 36 00-0570	LF	1" x 10-1/2" Custom Shaped White Oak.....	37.20	1.92
06 46 36 00-0571	LF	1" x 11-1/2" Custom Shaped White Oak.....	40.17	1.92
06 46 36 00-0572	LF	1-1/4" x 1-1/2" Custom Shaped White Oak.....	12.79	1.41
06 46 36 00-0573	LF	1-1/4" x 2-1/2" Custom Shaped White Oak.....	16.93	1.41
06 46 36 00-0574	LF	1-1/4" x 3-1/2" Custom Shaped White Oak.....	21.08	1.54
06 46 36 00-0575	LF	1-1/4" x 4-1/2" Custom Shaped White Oak.....	25.22	1.54
06 46 36 00-0576	LF	1-1/4" x 5-1/2" Custom Shaped White Oak.....	29.52	1.67
06 46 36 00-0577	LF	1-1/4" x 6-1/2" Custom Shaped White Oak.....	33.80	1.67
06 46 36 00-0578	LF	1-1/4" x 7-1/2" Custom Shaped White Oak.....	37.93	1.80
06 46 36 00-0579	LF	1-1/4" x 8-1/2" Custom Shaped White Oak.....	42.12	1.80
06 46 36 00-0580	LF	1-1/4" x 9-1/2" Custom Shaped White Oak.....	46.19	1.80
06 46 36 00-0581	LF	1-1/4" x 10-1/2" Custom Shaped White Oak.....	50.51	1.92
06 46 36 00-0582	LF	1-1/4" x 11-1/2" Custom Shaped White Oak.....	54.71	2.05
06 46 36 00-0583	LF	1-1/2" x 1-1/2" Custom Shaped White Oak.....	20.71	1.41
06 46 36 00-0584	LF	1-1/2" x 2-1/2" Custom Shaped White Oak.....	28.75	1.54
06 46 36 00-0585	LF	1-1/2" x 3-1/2" Custom Shaped White Oak.....	36.79	1.54
06 46 36 00-0586	LF	1-1/2" x 4-1/2" Custom Shaped White Oak.....	44.83	1.67
06 46 36 00-0587	LF	1-1/2" x 5-1/2" Custom Shaped White Oak.....	52.89	1.67
06 46 36 00-0588	LF	1-1/2" x 6-1/2" Custom Shaped White Oak.....	61.20	1.80
06 46 36 00-0589	LF	1-1/2" x 7-1/2" Custom Shaped White Oak.....	69.23	1.80
06 46 36 00-0590	LF	1-1/2" x 8-1/2" Custom Shaped White Oak.....	77.32	1.92
06 46 36 00-0591	LF	1-1/2" x 9-1/2" Custom Shaped White Oak.....	84.22	1.92
06 46 36 00-0592	LF	1-1/2" x 10-1/2" Custom Shaped White Oak.....	93.50	2.05
06 46 36 00-0593	LF	1-1/2" x 11-1/2" Custom Shaped White Oak.....	101.60	2.05
06 46 36 00-0594 White Pine (06 46 36)				
06 46 36 00-0595	LF	3/4" x 1-1/2" Custom Shaped White Pine.....	9.64	1.41
06 46 36 00-0596	LF	3/4" x 2-1/2" Custom Shaped White Pine.....	12.35	1.41
06 46 36 00-0597	LF	3/4" x 3-1/2" Custom Shaped White Pine.....	15.06	1.41
06 46 36 00-0598	LF	3/4" x 4-1/2" Custom Shaped White Pine.....	17.77	1.54
06 46 36 00-0599	LF	3/4" x 5-1/2" Custom Shaped White Pine.....	20.61	1.54
06 46 36 00-0600	LF	3/4" x 6-1/2" Custom Shaped White Pine.....	23.46	1.67
06 46 36 00-0601	LF	3/4" x 7-1/2" Custom Shaped White Pine.....	26.15	1.67
06 46 36 00-0602	LF	3/4" x 8-1/2" Custom Shaped White Pine.....	28.89	1.67
06 46 36 00-0603	LF	3/4" x 9-1/2" Custom Shaped White Pine.....	33.13	1.80
06 46 36 00-0604	LF	3/4" x 10-1/2" Custom Shaped White Pine.....	36.16	1.92
06 46 36 00-0605	LF	1" x 1-1/2" Custom Shaped White Pine.....	10.79	1.41
06 46 36 00-0606	LF	1" x 2-1/2" Custom Shaped White Pine.....	14.02	1.41
06 46 36 00-0607	LF	1" x 3-1/2" Custom Shaped White Pine.....	17.22	1.54
06 46 36 00-0608	LF	1" x 4-1/2" Custom Shaped White Pine.....	20.45	1.54
06 46 36 00-0609	LF	1" x 5-1/2" Custom Shaped White Pine.....	23.78	1.67
06 46 36 00-0610	LF	1" x 6-1/2" Custom Shaped White Pine.....	27.17	1.67
06 46 36 00-0611	LF	1" x 7-1/2" Custom Shaped White Pine.....	30.33	1.67
06 46 36 00-0612	LF	1" x 8-1/2" Custom Shaped White Pine.....	33.61	1.80
06 46 36 00-0613	LF	1" x 9-1/2" Custom Shaped White Pine.....	36.72	1.80
06 46 36 00-0614	LF	1" x 10-1/2" Custom Shaped White Pine.....	40.13	1.92
06 46 36 00-0615	LF	1" x 11-1/2" Custom Shaped White Pine.....	43.38	1.92
06 46 36 00-0616	LF	1-1/4" x 1-1/2" Custom Shaped White Pine.....	12.15	1.41
06 46 36 00-0617	LF	1-1/4" x 2-1/2" Custom Shaped White Pine.....	15.97	1.41
06 46 36 00-0618	LF	1-1/4" x 3-1/2" Custom Shaped White Pine.....	19.91	1.54
06 46 36 00-0619	LF	1-1/4" x 4-1/2" Custom Shaped White Pine.....	23.62	1.54
06 46 36 00-0620	LF	1-1/4" x 5-1/2" Custom Shaped White Pine.....	27.60	1.67
06 46 36 00-0621	LF	1-1/4" x 6-1/2" Custom Shaped White Pine.....	31.56	1.67
06 46 36 00-0622	LF	1-1/4" x 7-1/2" Custom Shaped White Pine.....	35.37	1.80
06 46 36 00-0623	LF	1-1/4" x 8-1/2" Custom Shaped White Pine.....	39.23	1.80
06 46 36 00-0624	LF	1-1/4" x 9-1/2" Custom Shaped White Pine.....	42.99	1.80
06 46 36 00-0625	LF	1-1/4" x 10-1/2" Custom Shaped White Pine.....	46.99	1.92
06 46 36 00-0626	LF	1-1/4" x 11-1/2" Custom Shaped White Pine.....	50.87	2.05
06 46 36 00-0627	LF	1-1/2" x 1-1/2" Custom Shaped White Pine.....	15.16	1.41
06 46 36 00-0628	LF	1-1/2" x 2-1/2" Custom Shaped White Pine.....	20.42	1.54
06 46 36 00-0629	LF	1-1/2" x 3-1/2" Custom Shaped White Pine.....	25.68	1.54
06 46 36 00-0630	LF	1-1/2" x 4-1/2" Custom Shaped White Pine.....	30.96	1.67
06 46 36 00-0631	LF	1-1/2" x 5-1/2" Custom Shaped White Pine.....	36.24	1.67
06 46 36 00-0632	LF	1-1/2" x 6-1/2" Custom Shaped White Pine.....	41.78	1.80
06 46 36 00-0633	LF	1-1/2" x 7-1/2" Custom Shaped White Pine.....	47.03	1.80
06 46 36 00-0634	LF	1-1/2" x 8-1/2" Custom Shaped White Pine.....	52.34	1.92
06 46 36 00-0635	LF	1-1/2" x 9-1/2" Custom Shaped White Pine.....	58.60	1.92
06 46 36 00-0636	LF	1-1/2" x 10-1/2" Custom Shaped White Pine.....	62.97	2.05
06 46 36 00-0637	LF	1-1/2" x 11-1/2" Custom Shaped White Pine.....	68.29	2.05
06 46 36 00-0638	LF	2" x 1-1/2" Custom Shaped White Pine.....	23.16	1.54
06 46 36 00-0639	LF	2" x 2-1/2" Custom Shaped White Pine.....	32.36	1.54

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 46 Wood Trim**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

06 46 36 00-0640	LF	2" x 3-1/2" Custom Shaped White Pine	41.56	1.54
06 46 36 00-0641	LF	2" x 4-1/2" Custom Shaped White Pine	50.88	1.67
06 46 36 00-0642	LF	2" x 5-1/2" Custom Shaped White Pine	60.09	1.67
06 46 36 00-0643	LF	2" x 6-1/2" Custom Shaped White Pine	69.54	1.80
06 46 36 00-0644	LF	2" x 7-1/2" Custom Shaped White Pine	78.74	1.80
06 46 36 00-0645	LF	2" x 8-1/2" Custom Shaped White Pine	88.08	1.92
06 46 36 00-0646	LF	2" x 9-1/2" Custom Shaped White Pine	97.27	1.92
06 46 36 00-0647	LF	2" x 10-1/2" Custom Shaped White Pine	106.48	2.05
06 46 36 00-0648	LF	2" x 11-1/2" Custom Shaped White Pine	115.95	2.18
06 46 36 00-0649	LF	2-1/2" x 1-1/2" Custom Shaped White Pine	27.56	1.54
06 46 36 00-0650	LF	2-1/2" x 2-1/2" Custom Shaped White Pine	38.89	1.54
06 46 36 00-0651	LF	2-1/2" x 3-1/2" Custom Shaped White Pine	50.23	1.67
06 46 36 00-0652	LF	2-1/2" x 4-1/2" Custom Shaped White Pine	61.68	1.67
06 46 36 00-0653	LF	2-1/2" x 5-1/2" Custom Shaped White Pine	73.03	1.67
06 46 36 00-0654	LF	2-1/2" x 6-1/2" Custom Shaped White Pine	84.62	1.80
06 46 36 00-0655	LF	2-1/2" x 7-1/2" Custom Shaped White Pine	95.95	1.92
06 46 36 00-0656	LF	2-1/2" x 8-1/2" Custom Shaped White Pine	107.41	1.92
06 46 36 00-0657	LF	2-1/2" x 9-1/2" Custom Shaped White Pine	118.75	2.05
06 46 36 00-0658	LF	2-1/2" x 10-1/2" Custom Shaped White Pine	130.09	2.05
06 46 36 00-0659	LF	2-1/2" x 11-1/2" Custom Shaped White Pine	141.68	2.18
06 46 36 00-0660	LF	3-1/2" x 3-1/2" Custom Shaped White Pine	69.57	1.67
06 46 36 00-0661	LF	3-1/2" x 4-1/2" Custom Shaped White Pine	85.83	1.67
06 46 36 00-0662	LF	3-1/2" x 5-1/2" Custom Shaped White Pine	101.98	1.80
06 46 36 00-0663	LF	3-1/2" x 6-1/2" Custom Shaped White Pine	118.37	1.92
06 46 36 00-0664	LF	3-1/2" x 7-1/2" Custom Shaped White Pine	134.51	1.92
06 46 36 00-0665	LF	3-1/2" x 8-1/2" Custom Shaped White Pine	150.77	2.05
06 46 36 00-0666	LF	3-1/2" x 9-1/2" Custom Shaped White Pine	166.91	2.05
06 46 36 00-0667	LF	3-1/2" x 10-1/2" Custom Shaped White Pine	183.05	2.05
06 46 36 00-0668	LF	3-1/2" x 11-1/2" Custom Shaped White Pine	199.46	2.18

06 46 36 00-0669**Clear Yellow Pine** (06 46 36)

06 46 36 00-0670	LF	3/4" x 1-1/2" Custom Shaped "C" Y Pine	6.65	1.41
06 46 36 00-0671	LF	3/4" x 2-1/2" Custom Shaped "C" Y Pine	7.86	1.41
06 46 36 00-0672	LF	3/4" x 3-1/2" Custom Shaped "C" Y Pine	9.08	1.41
06 46 36 00-0673	LF	3/4" x 4-1/2" Custom Shaped "C" Y Pine	10.30	1.54
06 46 36 00-0674	LF	3/4" x 5-1/2" Custom Shaped "C" Y Pine	11.64	1.54
06 46 36 00-0675	LF	3/4" x 6-1/2" Custom Shaped "C" Y Pine	13.00	1.67
06 46 36 00-0676	LF	3/4" x 7-1/2" Custom Shaped "C" Y Pine	14.20	1.67
06 46 36 00-0677	LF	3/4" x 8-1/2" Custom Shaped "C" Y Pine	15.44	1.67
06 46 36 00-0678	LF	1" x 1-1/2" Custom Shaped "C" Y Pine	7.59	1.41
06 46 36 00-0679	LF	1" x 2-1/2" Custom Shaped "C" Y Pine	9.22	1.41
06 46 36 00-0680	LF	1" x 3-1/2" Custom Shaped "C" Y Pine	10.81	1.54
06 46 36 00-0681	LF	1" x 4-1/2" Custom Shaped "C" Y Pine	12.45	1.54
06 46 36 00-0682	LF	1" x 5-1/2" Custom Shaped "C" Y Pine	14.18	1.67
06 46 36 00-0683	LF	1" x 6-1/2" Custom Shaped "C" Y Pine	15.96	1.67
06 46 36 00-0684	LF	1" x 7-1/2" Custom Shaped "C" Y Pine	18.06	1.67
06 46 36 00-0685	LF	1" x 8-1/2" Custom Shaped "C" Y Pine	19.78	1.80
06 46 36 00-0686	LF	1-1/2" x 1-1/2" Custom Shaped "C" Y Pine	8.75	1.41
06 46 36 00-0687	LF	1-1/2" x 2-1/2" Custom Shaped "C" Y Pine	10.81	1.54
06 46 36 00-0688	LF	1-1/2" x 3-1/2" Custom Shaped "C" Y Pine	12.88	1.54
06 46 36 00-0689	LF	1-1/2" x 4-1/2" Custom Shaped "C" Y Pine	14.95	1.67
06 46 36 00-0690	LF	1-1/2" x 5-1/2" Custom Shaped "C" Y Pine	17.03	1.67
06 46 36 00-0691	LF	1-1/2" x 6-1/2" Custom Shaped "C" Y Pine	19.36	1.80
06 46 36 00-0692	LF	1-1/2" x 7-1/2" Custom Shaped "C" Y Pine	21.41	1.80
06 46 36 00-0693	LF	1-1/2" x 8-1/2" Custom Shaped "C" Y Pine	23.52	1.92
06 46 36 00-0694	LF	1-1/2" x 9-1/2" Custom Shaped "C" Y Pine	27.11	1.92
06 46 36 00-0695	LF	1-1/2" x 10-1/2" Custom Shaped "C" Y Pine	27.96	2.05

06 46 36 00-0696**Poplar** (06 46 36)

06 46 36 00-0697	LF	3/4" x 1-1/2" Custom Shaped Poplar	6.98	1.41
06 46 36 00-0698	LF	3/4" x 2-1/2" Custom Shaped Poplar	8.34	1.41
06 46 36 00-0699	LF	3/4" x 3-1/2" Custom Shaped Poplar	9.72	1.41
06 46 36 00-0700	LF	3/4" x 4-1/2" Custom Shaped Poplar	11.10	1.54
06 46 36 00-0701	LF	3/4" x 5-1/2" Custom Shaped Poplar	12.61	1.54
06 46 36 00-0702	LF	3/4" x 6-1/2" Custom Shaped Poplar	14.12	1.67
06 46 36 00-0703	LF	3/4" x 7-1/2" Custom Shaped Poplar	15.48	1.67
06 46 36 00-0704	LF	3/4" x 8-1/2" Custom Shaped Poplar	16.88	1.67
06 46 36 00-0705	LF	3/4" x 9-1/2" Custom Shaped Poplar	18.19	1.80
06 46 36 00-0706	LF	3/4" x 10-1/2" Custom Shaped Poplar	19.72	1.92
06 46 36 00-0707	LF	3/4" x 11-1/2" Custom Shaped Poplar	21.27	1.92
06 46 36 00-0708	LF	1" x 1-1/2" Custom Shaped Poplar	8.01	1.41
06 46 36 00-0709	LF	1" x 2-1/2" Custom Shaped Poplar	9.81	1.41
06 46 36 00-0710	LF	1" x 3-1/2" Custom Shaped Poplar	11.61	1.54
06 46 36 00-0711	LF	1" x 4-1/2" Custom Shaped Poplar	13.41	1.54
06 46 36 00-0712	LF	1" x 5-1/2" Custom Shaped Poplar	15.40	1.67
06 46 36 00-0713	LF	1" x 6-1/2" Custom Shaped Poplar	17.35	1.67
06 46 36 00-0714	LF	1" x 7-1/2" Custom Shaped Poplar	19.12	1.67
06 46 36 00-0715	LF	1" x 8-1/2" Custom Shaped Poplar	20.96	1.80
06 46 36 00-0716	LF	1" x 9-1/2" Custom Shaped Poplar	22.74	1.80
06 46 36 00-0717	LF	1" x 10-1/2" Custom Shaped Poplar	24.71	1.92
06 46 36 00-0718	LF	1" x 11-1/2" Custom Shaped Poplar	26.56	1.92
06 46 36 00-0719	LF	1-1/4" x 1-1/2" Custom Shaped Poplar	8.94	1.41
06 46 36 00-0720	LF	1-1/4" x 2-1/2" Custom Shaped Poplar	11.16	1.41

MINOR			TOTAL DIRECT		DEMOLITION
CSI UOM DESCRIPTION			UNIT COST		UNIT COST
06 46 36 00-0721	LF	1-1/4" x 3-1/2" Custom Shaped Poplar	13.40		1.54
06 46 36 00-0722	LF	1-1/4" x 4-1/2" Custom Shaped Poplar	15.62		1.54
06 46 36 00-0723	LF	1-1/4" x 5-1/2" Custom Shaped Poplar	17.99		1.67
06 46 36 00-0724	LF	1-1/4" x 6-1/2" Custom Shaped Poplar	20.35		1.67
06 46 36 00-0725	LF	1-1/4" x 7-1/2" Custom Shaped Poplar	22.56		1.80
06 46 36 00-0726	LF	1-1/4" x 8-1/2" Custom Shaped Poplar	24.82		1.80
06 46 36 00-0727	LF	1-1/4" x 9-1/2" Custom Shaped Poplar	26.97		1.80
06 46 36 00-0728	LF	1-1/4" x 10-1/2" Custom Shaped Poplar	29.38		1.92
06 46 36 00-0729	LF	1-1/4" x 11-1/2" Custom Shaped Poplar	31.66		2.05
06 46 36 00-0730	LF	1-1/2" x 1-1/2" Custom Shaped Poplar	11.10		1.41
06 46 36 00-0731	LF	1-1/2" x 2-1/2" Custom Shaped Poplar	14.34		1.54
06 46 36 00-0732	LF	1-1/2" x 3-1/2" Custom Shaped Poplar	17.57		1.54
06 46 36 00-0733	LF	1-1/2" x 4-1/2" Custom Shaped Poplar	20.82		1.67
06 46 36 00-0734	LF	1-1/2" x 5-1/2" Custom Shaped Poplar	24.07		1.67
06 46 36 00-0735	LF	1-1/2" x 6-1/2" Custom Shaped Poplar	27.58		1.80
06 46 36 00-0736	LF	1-1/2" x 7-1/2" Custom Shaped Poplar	30.80		1.80
06 46 36 00-0737	LF	1-1/2" x 8-1/2" Custom Shaped Poplar	34.09		1.92
06 46 36 00-0738	LF	1-1/2" x 9-1/2" Custom Shaped Poplar	37.26		1.92
06 46 36 00-0739	LF	1-1/2" x 10-1/2" Custom Shaped Poplar	40.66		2.05
06 46 36 00-0740	LF	1-1/2" x 11-1/2" Custom Shaped Poplar	43.96		2.05
06 46 36 00-0741	LF	2" x 1-1/2" Custom Shaped Poplar	14.35		1.54
06 46 36 00-0742	LF	2" x 2-1/2" Custom Shaped Poplar	19.18		1.54
06 46 36 00-0743	LF	2" x 3-1/2" Custom Shaped Poplar	23.95		1.54
06 46 36 00-0744	LF	2" x 4-1/2" Custom Shaped Poplar	28.89		1.67
06 46 36 00-0745	LF	2" x 5-1/2" Custom Shaped Poplar	33.67		1.67
06 46 36 00-0746	LF	2" x 6-1/2" Custom Shaped Poplar	38.75		1.80
06 46 36 00-0747	LF	2" x 7-1/2" Custom Shaped Poplar	43.52		1.80
06 46 36 00-0748	LF	2" x 8-1/2" Custom Shaped Poplar	48.48		1.92
06 46 36 00-0749	LF	2" x 9-1/2" Custom Shaped Poplar	53.24		1.92
06 46 36 00-0750	LF	2" x 10-1/2" Custom Shaped Poplar	58.08		2.05
06 46 36 00-0751	LF	2" x 11-1/2" Custom Shaped Poplar	63.11		2.18
06 46 36 00-0752	LF	2-1/2" x 1-1/2" Custom Shaped Poplar	17.63		1.54
06 46 36 00-0753	LF	2-1/2" x 2-1/2" Custom Shaped Poplar	24.00		1.54
06 46 36 00-0754	LF	2-1/2" x 3-1/2" Custom Shaped Poplar	30.38		1.67
06 46 36 00-0755	LF	2-1/2" x 4-1/2" Custom Shaped Poplar	36.86		1.67
06 46 36 00-0756	LF	2-1/2" x 5-1/2" Custom Shaped Poplar	43.25		1.67
06 46 36 00-0757	LF	2-1/2" x 6-1/2" Custom Shaped Poplar	49.87		1.80
06 46 36 00-0758	LF	2-1/2" x 7-1/2" Custom Shaped Poplar	56.25		1.92
06 46 36 00-0759	LF	2-1/2" x 8-1/2" Custom Shaped Poplar	62.74		1.92
06 46 36 00-0760	LF	2-1/2" x 9-1/2" Custom Shaped Poplar	69.11		2.05
06 46 36 00-0761	LF	2-1/2" x 10-1/2" Custom Shaped Poplar	75.49		2.05
06 46 36 00-0762	LF	2-1/2" x 11-1/2" Custom Shaped Poplar	82.12		2.18
06 46 36 00-0763	LF	3-1/2" x 3-1/2" Custom Shaped Poplar	41.39		1.67
06 46 36 00-0764	LF	3-1/2" x 4-1/2" Custom Shaped Poplar	50.60		1.67
06 46 36 00-0765	LF	3-1/2" x 5-1/2" Custom Shaped Poplar	59.71		1.80
06 46 36 00-0766	LF	3-1/2" x 6-1/2" Custom Shaped Poplar	69.16		1.92
06 46 36 00-0767	LF	3-1/2" x 7-1/2" Custom Shaped Poplar	78.15		1.92
06 46 36 00-0768	LF	3-1/2" x 8-1/2" Custom Shaped Poplar	87.37		2.05
06 46 36 00-0769	LF	3-1/2" x 9-1/2" Custom Shaped Poplar	96.46		2.05
06 46 36 00-0770	LF	3-1/2" x 10-1/2" Custom Shaped Poplar	105.56		2.05
06 46 36 00-0771	LF	3-1/2" x 11-1/2" Custom Shaped Poplar	114.92		2.18
06 46 36 00-0772 Clear Heart Redwood (06 46 36)					
06 46 36 00-0773	LF	3/4" x 1-1/2" Custom Shaped Clear Heart Redwood	8.47		1.41
06 46 36 00-0774	LF	3/4" x 2-1/2" Custom Shaped Clear Heart Redwood	10.58		1.41
06 46 36 00-0775	LF	3/4" x 3-1/2" Custom Shaped Clear Heart Redwood	12.71		1.41
06 46 36 00-0776	LF	3/4" x 4-1/2" Custom Shaped Clear Heart Redwood	14.83		1.54
06 46 36 00-0777	LF	3/4" x 5-1/2" Custom Shaped Clear Heart Redwood	17.09		1.54
06 46 36 00-0778	LF	3/4" x 6-1/2" Custom Shaped Clear Heart Redwood	19.35		1.67
06 46 36 00-0779	LF	3/4" x 7-1/2" Custom Shaped Clear Heart Redwood	23.59		1.67
06 46 36 00-0780	LF	3/4" x 8-1/2" Custom Shaped Clear Heart Redwood	26.00		1.67
06 46 36 00-0781	LF	3/4" x 9-1/2" Custom Shaped Clear Heart Redwood	26.14		1.80
06 46 36 00-0782	LF	3/4" x 10-1/2" Custom Shaped Clear Heart Redwood	27.94		1.92
06 46 36 00-0783	LF	1" x 1-1/2" Custom Shaped Clear Heart Redwood	10.15		1.41
06 46 36 00-0784	LF	1" x 2-1/2" Custom Shaped Clear Heart Redwood	13.01		1.41
06 46 36 00-0785	LF	1" x 3-1/2" Custom Shaped Clear Heart Redwood	15.88		1.54
06 46 36 00-0786	LF	1" x 4-1/2" Custom Shaped Clear Heart Redwood	18.74		1.54
06 46 36 00-0787	LF	1" x 5-1/2" Custom Shaped Clear Heart Redwood	21.81		1.67
06 46 36 00-0788	LF	1" x 6-1/2" Custom Shaped Clear Heart Redwood	24.82		1.67
06 46 36 00-0789	LF	1" x 7-1/2" Custom Shaped Clear Heart Redwood	31.40		1.67
06 46 36 00-0790	LF	1" x 8-1/2" Custom Shaped Clear Heart Redwood	34.78		1.80
06 46 36 00-0791	LF	1" x 9-1/2" Custom Shaped Clear Heart Redwood	38.05		1.80
06 46 36 00-0792	LF	1" x 10-1/2" Custom Shaped Clear Heart Redwood	41.57		1.92
06 46 36 00-0793	LF	1-1/2" x 1-1/2" Custom Shaped Clear Heart Redwood	13.24		1.41
06 46 36 00-0794	LF	1-1/2" x 2-1/2" Custom Shaped Clear Heart Redwood	17.54		1.54
06 46 36 00-0795	LF	1-1/2" x 3-1/2" Custom Shaped Clear Heart Redwood	21.84		1.54
06 46 36 00-0796	LF	1-1/2" x 4-1/2" Custom Shaped Clear Heart Redwood	26.15		1.67
06 46 36 00-0797	LF	1-1/2" x 5-1/2" Custom Shaped Clear Heart Redwood	30.48		1.67
06 46 36 00-0798	LF	1-1/2" x 6-1/2" Custom Shaped Clear Heart Redwood	35.16		1.80
06 46 36 00-0799	LF	1-1/2" x 7-1/2" Custom Shaped Clear Heart Redwood	47.03		1.80
06 46 36 00-0800	LF	1-1/2" x 8-1/2" Custom Shaped Clear Heart Redwood	52.34		1.92
06 46 36 00-0801	LF	1-1/2" x 9-1/2" Custom Shaped Clear Heart Redwood	61.81		1.92
06 46 36 00-0802	LF	1-1/2" x 10-1/2" Custom Shaped Clear Heart Redwood	67.67		2.05
06 46 36 00-0803	LF	3-1/2" x 3-1/2" Custom Shaped Clear Heart Redwood	65.30		1.67

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 46 Wood Trim**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

06 46 36 00-0804	LF	3-1/2" x 4-1/2" Custom Shaped Clear Heart Redwood.....	80.49	1.67
06 46 36 00-0805	LF	3-1/2" x 5-1/2" Custom Shaped Clear Heart Redwood.....	95.57	1.80
06 46 36 00-0806	LF	3-1/2" x 6-1/2" Custom Shaped Clear Heart Redwood.....	110.90	1.92
06 46 36 00-0807	LF	3-1/2" x 7-1/2" Custom Shaped Clear Heart Redwood.....	125.97	1.92
06 46 36 00-0808	LF	3-1/2" x 8-1/2" Custom Shaped Clear Heart Redwood.....	141.16	2.05
06 46 36 00-0809	LF	3-1/2" x 9-1/2" Custom Shaped Clear Heart Redwood.....	156.24	2.05
06 46 36 00-0810	LF	3-1/2" x 10-1/2" Custom Shaped Clear Heart Redwood.....	171.31	2.05
06 46 36 00-0811	LF	3-1/2" x 11-1/2" Custom Shaped Clear Heart Redwood.....	186.65	2.18

06 46 36 00-0812**Teak** (06 46 36)

06 46 36 00-0813	LF	3/4" x 1-1/2" Custom Shaped Teak.....	22.77	1.41
06 46 36 00-0814	LF	3/4" x 2-1/2" Custom Shaped Teak.....	32.04	1.41
06 46 36 00-0815	LF	3/4" x 3-1/2" Custom Shaped Teak.....	41.32	1.41
06 46 36 00-0816	LF	3/4" x 4-1/2" Custom Shaped Teak.....	50.59	1.54
06 46 36 00-0817	LF	3/4" x 5-1/2" Custom Shaped Teak.....	60.00	1.54
06 46 36 00-0818	LF	3/4" x 6-1/2" Custom Shaped Teak.....	69.41	1.67
06 46 36 00-0819	LF	3/4" x 7-1/2" Custom Shaped Teak.....	78.67	1.67
06 46 36 00-0820	LF	3/4" x 8-1/2" Custom Shaped Teak.....	87.97	1.67
06 46 36 00-0821	LF	3/4" x 9-1/2" Custom Shaped Teak.....	97.17	1.80
06 46 36 00-0822	LF	3/4" x 10-1/2" Custom Shaped Teak.....	106.61	1.92
06 46 36 00-0823	LF	3/4" x 11-1/2" Custom Shaped Teak.....	115.95	1.92
06 46 36 00-0824	LF	1-1/2" x 1-1/2" Custom Shaped Teak.....	52.09	1.41
06 46 36 00-0825	LF	1-1/2" x 2-1/2" Custom Shaped Teak.....	59.81	1.54
06 46 36 00-0826	LF	1-1/2" x 3-1/2" Custom Shaped Teak.....	78.20	1.54
06 46 36 00-0827	LF	1-1/2" x 4-1/2" Custom Shaped Teak.....	96.60	1.67
06 46 36 00-0828	LF	1-1/2" x 5-1/2" Custom Shaped Teak.....	115.02	1.67
06 46 36 00-0829	LF	1-1/2" x 6-1/2" Custom Shaped Teak.....	133.15	1.80
06 46 36 00-0830	LF	1-1/2" x 7-1/2" Custom Shaped Teak.....	152.06	1.80
06 46 36 00-0831	LF	1-1/2" x 8-1/2" Custom Shaped Teak.....	170.51	1.92
06 46 36 00-0832	LF	1-1/2" x 9-1/2" Custom Shaped Teak.....	188.83	1.92
06 46 36 00-0833	LF	1-1/2" x 10-1/2" Custom Shaped Teak.....	207.39	2.05
06 46 36 00-0834	LF	1-1/2" x 11-1/2" Custom Shaped Teak.....	225.84	2.05

06 46 36 00-0835**Walnut** (06 46 36)

06 46 36 00-0836	LF	3/4" x 1-1/2" Custom Shaped Walnut.....	12.63	1.41
06 46 36 00-0837	LF	3/4" x 2-1/2" Custom Shaped Walnut.....	16.83	1.41
06 46 36 00-0838	LF	3/4" x 3-1/2" Custom Shaped Walnut.....	21.03	1.41
06 46 36 00-0839	LF	3/4" x 4-1/2" Custom Shaped Walnut.....	25.24	1.54
06 46 36 00-0840	LF	3/4" x 5-1/2" Custom Shaped Walnut.....	29.58	1.54
06 46 36 00-0841	LF	3/4" x 6-1/2" Custom Shaped Walnut.....	33.92	1.67
06 46 36 00-0842	LF	3/4" x 7-1/2" Custom Shaped Walnut.....	38.11	1.67
06 46 36 00-0843	LF	3/4" x 8-1/2" Custom Shaped Walnut.....	42.34	1.67
06 46 36 00-0844	LF	3/4" x 9-1/2" Custom Shaped Walnut.....	46.47	1.80
06 46 36 00-0845	LF	3/4" x 10-1/2" Custom Shaped Walnut.....	50.84	1.92
06 46 36 00-0846	LF	3/4" x 11-1/2" Custom Shaped Walnut.....	55.10	1.92
06 46 36 00-0847	LF	1" x 1-1/2" Custom Shaped Walnut.....	15.06	1.41
06 46 36 00-0848	LF	1" x 2-1/2" Custom Shaped Walnut.....	20.43	1.41
06 46 36 00-0849	LF	1" x 3-1/2" Custom Shaped Walnut.....	25.75	1.54
06 46 36 00-0850	LF	1" x 4-1/2" Custom Shaped Walnut.....	31.12	1.54
06 46 36 00-0851	LF	1" x 5-1/2" Custom Shaped Walnut.....	36.59	1.67
06 46 36 00-0852	LF	1" x 6-1/2" Custom Shaped Walnut.....	42.11	1.67
06 46 36 00-0853	LF	1" x 7-1/2" Custom Shaped Walnut.....	47.41	1.67
06 46 36 00-0854	LF	1" x 8-1/2" Custom Shaped Walnut.....	52.82	1.80
06 46 36 00-0855	LF	1" x 9-1/2" Custom Shaped Walnut.....	58.07	1.80
06 46 36 00-0856	LF	1" x 10-1/2" Custom Shaped Walnut.....	63.62	1.92
06 46 36 00-0857	LF	1" x 11-1/2" Custom Shaped Walnut.....	68.99	1.92
06 46 36 00-0858	LF	1-1/4" x 1-1/2" Custom Shaped Walnut.....	18.39	1.41
06 46 36 00-0859	LF	1-1/4" x 2-1/2" Custom Shaped Walnut.....	25.36	1.41
06 46 36 00-0860	LF	1-1/4" x 3-1/2" Custom Shaped Walnut.....	32.29	1.54
06 46 36 00-0861	LF	1-1/4" x 4-1/2" Custom Shaped Walnut.....	39.26	1.54
06 46 36 00-0862	LF	1-1/4" x 5-1/2" Custom Shaped Walnut.....	46.33	1.67
06 46 36 00-0863	LF	1-1/4" x 6-1/2" Custom Shaped Walnut.....	53.44	1.67
06 46 36 00-0864	LF	1-1/4" x 7-1/2" Custom Shaped Walnut.....	60.35	1.80
06 46 36 00-0865	LF	1-1/4" x 8-1/2" Custom Shaped Walnut.....	67.36	1.80
06 46 36 00-0866	LF	1-1/4" x 9-1/2" Custom Shaped Walnut.....	74.21	1.80
06 46 36 00-0867	LF	1-1/4" x 10-1/2" Custom Shaped Walnut.....	81.36	1.92
06 46 36 00-0868	LF	1-1/4" x 11-1/2" Custom Shaped Walnut.....	88.34	2.05
06 46 36 00-0869	LF	1-1/2" x 1-1/2" Custom Shaped Walnut.....	24.76	1.41
06 46 36 00-0870	LF	1-1/2" x 2-1/2" Custom Shaped Walnut.....	34.83	1.54
06 46 36 00-0871	LF	1-1/2" x 3-1/2" Custom Shaped Walnut.....	44.90	1.54
06 46 36 00-0872	LF	1-1/2" x 4-1/2" Custom Shaped Walnut.....	54.97	1.67
06 46 36 00-0873	LF	1-1/2" x 5-1/2" Custom Shaped Walnut.....	65.06	1.67
06 46 36 00-0874	LF	1-1/2" x 6-1/2" Custom Shaped Walnut.....	75.40	1.80
06 46 36 00-0875	LF	1-1/2" x 7-1/2" Custom Shaped Walnut.....	85.46	1.80
06 46 36 00-0876	LF	1-1/2" x 8-1/2" Custom Shaped Walnut.....	95.57	1.92
06 46 36 00-0877	LF	1-1/2" x 9-1/2" Custom Shaped Walnut.....	106.64	1.92
06 46 36 00-0878	LF	1-1/2" x 10-1/2" Custom Shaped Walnut.....	115.81	2.05
06 46 36 00-0879	LF	1-1/2" x 11-1/2" Custom Shaped Walnut.....	125.93	2.05
06 46 36 00-0880	LF	2" x 1-1/2" Custom Shaped Walnut.....	41.30	1.54
06 46 36 00-0881	LF	2" x 2-1/2" Custom Shaped Walnut.....	59.58	1.54
06 46 36 00-0882	LF	2" x 3-1/2" Custom Shaped Walnut.....	77.85	1.54
06 46 36 00-0883	LF	2" x 4-1/2" Custom Shaped Walnut.....	96.24	1.67
06 46 36 00-0884	LF	2" x 5-1/2" Custom Shaped Walnut.....	114.53	1.67

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0885	LF	2" x 6-1/2" Custom Shaped Walnut	133.05	1.80
06 46 36 00-0886	LF	2" x 7-1/2" Custom Shaped Walnut	151.33	1.80
06 46 36 00-0887	LF	2" x 8-1/2" Custom Shaped Walnut	169.74	1.92
06 46 36 00-0888	LF	2" x 9-1/2" Custom Shaped Walnut	188.00	1.92
06 46 36 00-0889	LF	2" x 10-1/2" Custom Shaped Walnut	206.29	2.05
06 46 36 00-0890	LF	2" x 11-1/2" Custom Shaped Walnut	224.82	2.18
06 46 36 00-0891	LF	2-1/2" x 1-1/2" Custom Shaped Walnut	51.57	1.54
06 46 36 00-0892	LF	2-1/2" x 2-1/2" Custom Shaped Walnut	74.92	1.54
06 46 36 00-0893	LF	2-1/2" x 3-1/2" Custom Shaped Walnut	98.27	1.67
06 46 36 00-0894	LF	2-1/2" x 4-1/2" Custom Shaped Walnut	121.72	1.67
06 46 36 00-0895	LF	2-1/2" x 5-1/2" Custom Shaped Walnut	145.08	1.67
06 46 36 00-0896	LF	2-1/2" x 6-1/2" Custom Shaped Walnut	168.67	1.80
06 46 36 00-0897	LF	2-1/2" x 7-1/2" Custom Shaped Walnut	192.02	1.92
06 46 36 00-0898	LF	2-1/2" x 8-1/2" Custom Shaped Walnut	215.49	1.92
06 46 36 00-0899	LF	2-1/2" x 9-1/2" Custom Shaped Walnut	238.83	2.05
06 46 36 00-0900	LF	2-1/2" x 10-1/2" Custom Shaped Walnut	262.18	2.05
06 46 36 00-0901	LF	2-1/2" x 11-1/2" Custom Shaped Walnut	285.79	2.18

06 48 Wood Frames (06 40)

Note: Includes perimeter caulk, sealant (as required), anchors and silencers.

06 48 13 Exterior Wood Door Frames (06 48)

06 48 13 00-0001 Exterior Door Frames (06 48 13)

Note: 6'-8" and 7'-2" frames are the same price as 7' frames. Custom made with threshold, includes all trim molding, up to 8" depth.

06 48 13 00-0002	EA	3' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	344.52	72.76
		For Birch, Add	69.70	
		For Mahogany, Add	169.26	
06 48 13 00-0003	EA	3'-6" x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	362.22	76.24
		For Birch, Add	73.64	
		For Mahogany, Add	178.84	
06 48 13 00-0004	EA	4' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	379.94	79.22
		For Birch, Add	77.58	
		For Mahogany, Add	188.40	
06 48 13 00-0005	EA	5' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	413.79	84.78
		For Birch, Add	85.45	
		For Mahogany, Add	207.52	
06 48 13 00-0006	EA	6' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	448.40	90.85
		For Birch, Add	93.33	
		For Mahogany, Add	226.66	
06 48 13 00-0007	EA	3' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	511.79	73.02
06 48 13 00-0008	EA	3'-6" x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	521.27	76.24
06 48 13 00-0009	EA	4' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	530.71	79.48
06 48 13 00-0010	EA	5' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	547.14	84.64
06 48 13 00-0011	EA	6' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	566.23	91.11
06 48 13 00-0012	EA	3' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	402.25	73.02
06 48 13 00-0013	EA	3'-6" x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	421.61	76.24
06 48 13 00-0014	EA	4' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	441.09	79.48
06 48 13 00-0015	EA	5' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	477.27	84.64
06 48 13 00-0016	EA	6' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	516.02	91.11

06 48 16 Interior Wood Door Frames (06 48)

06 48 16 00-0001 Interior Door Frames (06 48 16)

Note: 6'-8" and 7'-2" frames are the same price as 7' frames. Custom made, includes all trim molding.

06 48 16 00-0002	EA	2'-0" Or 2'-4" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	172.29	34.63
		For Oak Or Maple, Add	31.95	
		For Birch, Add	36.07	
		For Mahogany, Add	87.60	
		For Walnut Frame, Add	46.38	
06 48 16 00-0003	EA	2'-6" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	173.49	34.76
		For Oak Or Maple, Add	32.22	
		For Birch, Add	36.38	
		For Mahogany, Add	88.34	
		For Walnut Frame, Add	46.77	
06 48 16 00-0004	EA	2'-8" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	175.63	35.41
		For Oak Or Maple, Add	32.46	
		For Birch, Add	36.65	
		For Mahogany, Add	89.00	
		For Walnut Frame, Add	47.12	
06 48 16 00-0005	EA	3' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	178.44	36.32
		For Oak Or Maple, Add	32.78	
		For Birch, Add	37.01	
		For Mahogany, Add	89.89	
		For Walnut Frame, Add	47.59	
06 48 16 00-0006	EA	3'-4" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	182.54	37.22
		For Oak Or Maple, Add	33.47	
		For Birch, Add	37.79	
		For Mahogany, Add	91.78	
		For Walnut Frame, Add	48.59	
06 48 16 00-0007	EA	4' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	192.85	39.54
		For Oak Or Maple, Add	35.24	
		For Birch, Add	39.79	
		For Mahogany, Add	96.64	
		For Walnut Frame, Add	51.16	

06	06	Wood, Plastics, and Composites
	06 40	Architectural Woodwork
	06 48	Wood Frames



MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
06 48 16 00-0008	EA	5' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim.....	205.06	42.78
		For Oak Or Maple, Add	37.02	
		For Birch, Add	41.80	
		For Mahogany, Add	101.52	
		For Walnut Frame, Add	53.74	
06 48 16 00-0009	EA	6' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim.....	216.00	45.49
		For Oak Or Maple, Add	38.79	
		For Birch, Add	43.80	
		For Mahogany, Add	106.36	
		For Walnut Frame, Add	56.31	
06 48 16 00-0010	LF	4-9/16", Pine Interior Door Frame.....	8.10	3.10
		For Oak Or Maple, Add	0.59	
		For Birch, Add	0.66	
		For Mahogany, Add	1.61	
		For Walnut Frame, Add	0.85	

06 50 Structural Plastics (06)

06 51 Structural Plastic Shapes and Plates (06 50)

06 51 13 Plastic Lumber (06 51)

06 51 13 00-0001 Beams And Girders, Recycled Plastic Lumber (06 51 13)

06 51 13 00-0002	LF	2" x 6", Beam Or Girder, Recycled Plastic Lumber.....	12.81	2.08
		For Reinforced Structural Plastic Lumber, Add	3.64	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color, Add	0.89	
		For White Color, Add	4.18	
		For All Other Colors (Except Black, Brown Or White), Add	3.54	
06 51 13 00-0003	LF	2" x 8", Beam Or Girder, Recycled Plastic Lumber.....	16.32	2.26
		For Reinforced Structural Plastic Lumber, Add	4.84	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color, Add	1.18	
		For White Color, Add	5.56	
		For All Other Colors (Except Black, Brown Or White), Add	4.71	
06 51 13 00-0004	LF	2" x 10", Beam Or Girder, Recycled Plastic Lumber.....	19.50	2.44
		For Reinforced Structural Plastic Lumber, Add	5.92	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color, Add	1.44	
		For White Color, Add	6.80	
		For All Other Colors (Except Black, Brown Or White), Add	5.76	
06 51 13 00-0005	LF	3" x 10", Beam Or Girder, Recycled Plastic Lumber.....	28.41	2.89
		For Reinforced Structural Plastic Lumber, Add	8.98	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color, Add	2.19	
		For White Color, Add	10.32	
		For All Other Colors (Except Black, Brown Or White), Add	8.74	
06 51 13 00-0006	LF	3" x 12", Beam Or Girder, Recycled Plastic Lumber.....	34.01	3.26
		For Reinforced Structural Plastic Lumber, Add	10.86	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color, Add	2.64	
		For White Color, Add	12.47	
		For All Other Colors (Except Black, Brown Or White), Add	10.57	
06 51 13 00-0007	LF	4" x 4", Beam Or Girder, Recycled Plastic Lumber.....	18.45	2.80
		For Reinforced Structural Plastic Lumber, Add	5.34	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color, Add	1.30	
		For White Color, Add	6.14	
		For All Other Colors (Except Black, Brown Or White), Add	5.20	
06 51 13 00-0008	LF	4" x 6", Beam Or Girder, Recycled Plastic Lumber.....	24.77	2.98
		For Reinforced Structural Plastic Lumber, Add	7.59	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color, Add	1.85	
		For White Color, Add	8.72	
		For All Other Colors (Except Black, Brown Or White), Add	7.38	
06 51 13 00-0009	LF	5" x 5", Beam Or Girder, Recycled Plastic Lumber.....	25.79	3.07
		For Reinforced Structural Plastic Lumber, Add	7.91	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color, Add	1.93	
		For White Color, Add	9.09	
		For All Other Colors (Except Black, Brown Or White), Add	7.70	
06 51 13 00-0010	LF	6" x 6", Beam Or Girder, Recycled Plastic Lumber.....	35.50	3.35
		For Reinforced Structural Plastic Lumber, Add	11.36	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color, Add	2.76	
		For White Color, Add	13.05	
		For All Other Colors (Except Black, Brown Or White), Add	11.06	
06 51 13 00-0011	LF	6" x 8", Beam Or Girder, Recycled Plastic Lumber.....	48.32	3.53
		For Reinforced Structural Plastic Lumber, Add	16.01	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color, Add	3.89	
		For White Color, Add	18.39	
		For All Other Colors (Except Black, Brown Or White), Add	15.58	

06 51 13 00-0012 Joists, Recycled Plastic Lumber (06 51 13)

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0013	LF	2" x 4", Joist, Recycled Plastic Lumber.....	8.32	1.17
		For Reinforced Structural Plastic Lumber, Add	2.46	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color, Add	0.60	
		For White Color, Add	2.82	
		For All Other Colors (Except Black, Brown Or White), Add	2.39	
06 51 13 00-0014	LF	2" x 6", Joist, Recycled Plastic Lumber.....	11.52	1.23
		For Reinforced Structural Plastic Lumber, Add	3.64	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color, Add	0.89	
		For White Color, Add	4.18	
		For All Other Colors (Except Black, Brown Or White), Add	3.54	
06 51 13 00-0015	LF	2" x 8", Joist, Recycled Plastic Lumber.....	15.02	1.36
		For Reinforced Structural Plastic Lumber, Add	4.84	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color, Add	1.18	
		For White Color, Add	5.56	
		For All Other Colors (Except Black, Brown Or White), Add	4.71	
06 51 13 00-0016	LF	2" x 10", Joist, Recycled Plastic Lumber.....	18.33	1.63
		For Reinforced Structural Plastic Lumber, Add	5.92	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color, Add	1.44	
		For White Color, Add	6.80	
		For All Other Colors (Except Black, Brown Or White), Add	5.76	
06 51 13 00-0017	LF	3" x 10", Joist, Recycled Plastic Lumber.....	26.99	1.90
		For Reinforced Structural Plastic Lumber, Add	8.98	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color, Add	2.19	
		For White Color, Add	10.32	
		For All Other Colors (Except Black, Brown Or White), Add	8.74	
06 51 13 00-0018	LF	3" x 12", Joist, Recycled Plastic Lumber.....	32.84	2.44
		For Reinforced Structural Plastic Lumber, Add	10.86	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color, Add	2.64	
		For White Color, Add	12.47	
		For All Other Colors (Except Black, Brown Or White), Add	10.57	
06 51 13 00-0019	LF	4" x 4", Joist, Recycled Plastic Lumber.....	16.89	1.71
		For Reinforced Structural Plastic Lumber, Add	5.34	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color, Add	1.30	
		For White Color, Add	6.14	
		For All Other Colors (Except Black, Brown Or White), Add	5.20	
06 51 13 00-0020	LF	4" x 6", Joist, Recycled Plastic Lumber.....	23.10	1.81
		For Reinforced Structural Plastic Lumber, Add	7.59	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color, Add	1.85	
		For White Color, Add	8.72	
		For All Other Colors (Except Black, Brown Or White), Add	7.38	
06 51 13 00-0021	LF	5" x 5", Joist, Recycled Plastic Lumber.....	24.23	1.99
		For Reinforced Structural Plastic Lumber, Add	7.91	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color, Add	1.93	
		For White Color, Add	9.09	
		For All Other Colors (Except Black, Brown Or White), Add	7.70	
06 51 13 00-0022	LF	6" x 6", Joist, Recycled Plastic Lumber.....	33.94	2.26
		For Reinforced Structural Plastic Lumber, Add	11.36	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color, Add	2.76	
		For White Color, Add	13.05	
		For All Other Colors (Except Black, Brown Or White), Add	11.06	
06 51 13 00-0023	LF	6" x 8", Joist, Recycled Plastic Lumber.....	46.76	2.44
		For Reinforced Structural Plastic Lumber, Add	16.01	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color, Add	3.89	
		For White Color, Add	18.39	
		For All Other Colors (Except Black, Brown Or White), Add	15.58	
06 51 13 00-0024		Columns, Recycled Plastic Lumber (06 51 13)		
06 51 13 00-0025	LF	4" x 4", Column, Recycled Plastic Lumber.....	19.75	3.71
		For Reinforced Structural Plastic Lumber, Add	5.34	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color, Add	1.30	
		For White Color, Add	6.14	
		For All Other Colors (Except Black, Brown Or White), Add	5.20	
06 51 13 00-0026	LF	4" x 6", Column, Recycled Plastic Lumber.....	28.01	5.24
		For Reinforced Structural Plastic Lumber, Add	7.59	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color, Add	1.85	
		For White Color, Add	8.72	
		For All Other Colors (Except Black, Brown Or White), Add	7.38	
06 51 13 00-0027	LF	5" x 5", Column, Recycled Plastic Lumber.....	29.80	5.88
		For Reinforced Structural Plastic Lumber, Add	7.91	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color, Add	1.93	
		For White Color, Add	9.09	
		For All Other Colors (Except Black, Brown Or White), Add	7.70	

06 Wood, Plastics, and Composites**06 50 Structural Plastics****06 51 Structural Plastic Shapes and Plates**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
06 51 13 00-0028	LF 6" x 6", Column, Recycled Plastic Lumber	40.27		6.70	
	For Reinforced Structural Plastic Lumber, Add	11.36			
	Note: High-density polyethylene combined with fiberglass.				
	For Brown Color, Add	2.76			
	For White Color, Add	13.05			
	For All Other Colors (Except Black, Brown Or White), Add	11.06			
06 51 13 00-0029	LF 6" x 8", Column, Recycled Plastic Lumber	55.03		8.24	
	For Reinforced Structural Plastic Lumber, Add	16.01			
	Note: High-density polyethylene combined with fiberglass.				
	For Brown Color, Add	3.89			
	For White Color, Add	18.39			
	For All Other Colors (Except Black, Brown Or White), Add	15.58			
06 51 13 00-0030 Walls, Recycled Plastic Lumber (06 51 13)					
06 51 13 00-0031	LF 2" x 3", Walls, Recycled Plastic Lumber	7.48		1.17	
	For Reinforced Structural Plastic Lumber, Add	2.15			
	Note: High-density polyethylene combined with fiberglass.				
	For Brown Color, Add	0.52			
	For White Color, Add	2.47			
	For All Other Colors (Except Black, Brown Or White), Add	2.09			
06 51 13 00-0032	LF 2" x 4", Walls, Recycled Plastic Lumber	8.59		1.36	
	For Reinforced Structural Plastic Lumber, Add	2.46			
	Note: High-density polyethylene combined with fiberglass.				
	For Brown Color, Add	0.60			
	For White Color, Add	2.82			
	For All Other Colors (Except Black, Brown Or White), Add	2.39			
06 51 13 00-0033	LF 2" x 6", Walls, Recycled Plastic Lumber	11.91		1.45	
	For Reinforced Structural Plastic Lumber, Add	3.64			
	Note: High-density polyethylene combined with fiberglass.				
	For Brown Color, Add	0.89			
	For White Color, Add	4.18			
	For All Other Colors (Except Black, Brown Or White), Add	3.54			
06 51 13 00-0034	LF 2" x 8", Walls, Recycled Plastic Lumber	15.27		1.54	
	For Reinforced Structural Plastic Lumber, Add	4.84			
	Note: High-density polyethylene combined with fiberglass.				
	For Brown Color, Add	1.18			
	For White Color, Add	5.56			
	For All Other Colors (Except Black, Brown Or White), Add	4.71			
06 51 13 00-0035 Other Shapes, Recycled Plastic Lumber (06 51 13)					
06 51 13 00-0036	LF 5/4" x 4", Other Shapes, Recycled Plastic Lumber	7.29		1.03	
	For Reinforced Structural Plastic Lumber, Add	2.11			
	Note: High-density polyethylene combined with fiberglass.				
	For Brown Color, Add	0.51			
	For White Color, Add	2.43			
	For All Other Colors (Except Black, Brown Or White), Add	2.06			
06 51 13 00-0037	LF 5/4" x 6", Other Shapes, Recycled Plastic Lumber	9.25		1.17	
	For Reinforced Structural Plastic Lumber, Add	2.80			
	Note: High-density polyethylene combined with fiberglass.				
	For Brown Color, Add	0.68			
	For White Color, Add	3.22			
	For All Other Colors (Except Black, Brown Or White), Add	2.73			
06 51 13 00-0038	LF 5/4" x 8", Recycled Plastic Lumber	12.07		1.17	
	For Reinforced Structural Plastic Lumber, Add	3.85			
	Note: High-density polyethylene combined with fiberglass.				
	For Brown Color, Add	0.94			
	For White Color, Add	4.42			
	For All Other Colors (Except Black, Brown Or White), Add	3.74			
06 51 13 00-0039	LF 1" x 4", Other Shapes, Recycled Plastic Lumber	7.34		1.03	
	For Reinforced Structural Plastic Lumber, Add	2.13			
	Note: High-density polyethylene combined with fiberglass.				
	For Brown Color, Add	0.52			
	For White Color, Add	2.45			
	For All Other Colors (Except Black, Brown Or White), Add	2.07			
06 51 13 00-0040	LF 1" x 6", Other Shapes, Recycled Plastic Lumber	8.10		1.17	
	For Reinforced Structural Plastic Lumber, Add	2.38			
	Note: High-density polyethylene combined with fiberglass.				
	For Brown Color, Add	0.58			
	For White Color, Add	2.73			
	For All Other Colors (Except Black, Brown Or White), Add	2.31			
06 51 13 00-0041	LF 1" x 6", Tongue And Grooved, Other Shapes, Recycled Plastic Lumber	8.24		1.17	
	For Reinforced Structural Plastic Lumber, Add	2.43			
	Note: High-density polyethylene combined with fiberglass.				
	For Brown Color, Add	0.59			
	For White Color, Add	2.79			
	For All Other Colors (Except Black, Brown Or White), Add	2.37			
06 51 13 00-0042	LF 2" x 2", Other Shapes, Recycled Plastic Lumber	5.09		0.99	
	For Reinforced Structural Plastic Lumber, Add	1.35			
	Note: High-density polyethylene combined with fiberglass.				
	For Brown Color, Add	0.33			
	For White Color, Add	1.56			
	For All Other Colors (Except Black, Brown Or White), Add	1.32			
06 51 13 00-0043	LF 2" x 3", Other Shapes, Recycled Plastic Lumber	7.48		1.17	
	For Reinforced Structural Plastic Lumber, Add	2.15			
	Note: High-density Plastic polyethylene combined with fiberglass.				
	For Brown Color, Add	0.52			
	For White Color, Add	2.47			
	For All Other Colors (Except Black, Brown Or White), Add	2.09			

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0044	LF	2" x 4", Other Shapes, Recycled Plastic Lumber	8.59	1.36
		For Reinforced Structural Plastic Lumber, Add	2.46	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color, Add	0.60	
		For White Color, Add	2.82	
		For All Other Colors (Except Black, Brown Or White), Add	2.39	
06 51 13 00-0045	LF	2" x 6", Other Shapes, Recycled Plastic Lumber	11.91	1.45
		For Reinforced Structural Plastic Lumber, Add	3.64	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color, Add	0.89	
		For White Color, Add	4.18	
		For All Other Colors (Except Black, Brown Or White), Add	3.54	
06 51 13 00-0046	LF	2" x 8", Other Shapes, Recycled Plastic Lumber	15.27	1.54
		For Reinforced Structural Plastic Lumber, Add	4.84	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color, Add	1.18	
		For White Color, Add	5.56	
		For All Other Colors (Except Black, Brown Or White), Add	4.71	
06 51 13 00-0047	LF	2" x 10", Other Shapes, Recycled Plastic Lumber	18.33	1.63
		For Reinforced Structural Plastic Lumber, Add	5.92	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color, Add	1.44	
		For White Color, Add	6.80	
		For All Other Colors (Except Black, Brown Or White), Add	5.76	
06 51 13 00-0048	LF	2" x 12", Other Shapes, Recycled Plastic Lumber	22.14	1.71
		For Reinforced Structural Plastic Lumber, Add	7.29	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color, Add	1.77	
		For White Color, Add	8.37	
		For All Other Colors (Except Black, Brown Or White), Add	7.09	
06 51 13 00-0049	LF	3" x 4", Other Shapes, Recycled Plastic Lumber	12.25	1.58
		For Reinforced Structural Plastic Lumber, Add	3.69	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color, Add	0.90	
		For White Color, Add	4.24	
		For All Other Colors (Except Black, Brown Or White), Add	3.59	
06 51 13 00-0050	LF	3" x 6", Other Shapes, Recycled Plastic Lumber	17.90	1.69
		For Reinforced Structural Plastic Lumber, Add	5.73	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color, Add	1.39	
		For White Color, Add	6.58	
		For All Other Colors (Except Black, Brown Or White), Add	5.58	
06 51 13 00-0051	LF	3" x 8", Other Shapes, Recycled Plastic Lumber	23.28	1.81
		For Reinforced Structural Plastic Lumber, Add	7.67	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color, Add	1.86	
		For White Color, Add	8.81	
		For All Other Colors (Except Black, Brown Or White), Add	7.46	
06 51 13 00-0052	LF	3" x 10", Other Shapes, Recycled Plastic Lumber	26.99	1.90
		For Reinforced Structural Plastic Lumber, Add	8.98	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color, Add	2.19	
		For White Color, Add	10.32	
		For All Other Colors (Except Black, Brown Or White), Add	8.74	
06 51 13 00-0053	LF	3" x 12", Other Shapes, Recycled Plastic Lumber	32.84	2.44
		For Reinforced Structural Plastic Lumber, Add	10.86	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color, Add	2.64	
		For White Color, Add	12.47	
		For All Other Colors (Except Black, Brown Or White), Add	10.57	
06 51 13 00-0054	LF	4" x 4", Other Shapes, Recycled Plastic Lumber	16.89	1.71
		For Reinforced Structural Plastic Lumber, Add	5.34	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color, Add	1.30	
		For White Color, Add	6.14	
		For All Other Colors (Except Black, Brown Or White), Add	5.20	
06 51 13 00-0055	LF	4" x 6", Other Shapes, Recycled Plastic Lumber	23.10	1.81
		For Reinforced Structural Plastic Lumber, Add	7.59	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color, Add	1.85	
		For White Color, Add	8.72	
		For All Other Colors (Except Black, Brown Or White), Add	7.38	
06 51 13 00-0056	LF	4" x 8", Other Shapes, Recycled Plastic Lumber	31.02	1.97
		For Reinforced Structural Plastic Lumber, Add	10.44	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color, Add	2.54	
		For White Color, Add	11.99	
		For All Other Colors (Except Black, Brown Or White), Add	10.16	
06 51 13 00-0057	LF	5" x 5", Other Shapes, Recycled Plastic Lumber	24.23	1.99
		For Reinforced Structural Plastic Lumber, Add	7.91	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color, Add	1.93	
		For White Color, Add	9.09	
		For All Other Colors (Except Black, Brown Or White), Add	7.70	
06 51 13 00-0058	LF	6" x 6", Other Shapes, Recycled Plastic Lumber	33.94	2.26
		For Reinforced Structural Plastic Lumber, Add	11.36	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color, Add	2.76	
		For White Color, Add	13.05	
		For All Other Colors (Except Black, Brown Or White), Add	11.06	

06 Wood, Plastics, and Composites**06 50 Structural Plastics****06 51 Structural Plastic Shapes and Plates**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

06 51 13 00-0059	LF	6" x 8", Other Shapes, Recycled Plastic Lumber	46.76	2.44
		<i>For Reinforced Structural Plastic Lumber, Add</i>	16.01	
		<i>Note: High-density polyethylene combined with fiberglass.</i>		
		<i>For Brown Color, Add</i>	3.89	
		<i>For White Color, Add</i>	18.39	
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>	15.58	
06 51 13 00-0060	LF	6" x 12", Other Shapes, Recycled Plastic Lumber	65.96	2.72
		<i>For Reinforced Structural Plastic Lumber, Add</i>	22.97	
		<i>Note: High-density polyethylene combined with fiberglass.</i>		
		<i>For Brown Color, Add</i>	5.59	
		<i>For White Color, Add</i>	26.38	
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>	22.35	
06 51 13 00-0061	LF	8" x 8", Other Shapes, Recycled Plastic Lumber	58.67	2.61
		<i>For Reinforced Structural Plastic Lumber, Add</i>	20.33	
		<i>Note: High-density polyethylene combined with fiberglass.</i>		
		<i>For Brown Color, Add</i>	4.95	
		<i>For White Color, Add</i>	23.35	
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>	19.78	
06 51 13 00-0062	LF	8" x 10", Other Shapes, Recycled Plastic Lumber	100.08	2.72
		<i>For Reinforced Structural Plastic Lumber, Add</i>	35.59	
		<i>Note: High-density polyethylene combined with fiberglass.</i>		
		<i>For Brown Color, Add</i>	8.66	
		<i>For White Color, Add</i>	40.89	
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>	34.63	
06 51 13 00-0063	LF	10" x 10", Other Shapes, Recycled Plastic Lumber	138.76	2.84
		<i>For Reinforced Structural Plastic Lumber, Add</i>	49.85	
		<i>Note: High-density polyethylene combined with fiberglass.</i>		
		<i>For Brown Color, Add</i>	12.12	
		<i>For White Color, Add</i>	57.26	
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>	48.50	
06 51 13 00-0064	LF	2" Diameter, Other Shapes, Recycled Plastic Lumber.....	5.44	0.90
		<i>For Reinforced Structural Plastic Lumber, Add</i>	1.53	
		<i>Note: High-density polyethylene combined with fiberglass.</i>		
		<i>For Brown Color, Add</i>	0.37	
		<i>For White Color, Add</i>	1.76	
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>	1.49	
06 51 13 00-0065	LF	3-1/2" Diameter, Other Shapes, Recycled Plastic Lumber	15.50	1.17
		<i>For Reinforced Structural Plastic Lumber, Add</i>	5.11	
		<i>Note: High-density polyethylene combined with fiberglass.</i>		
		<i>For Brown Color, Add</i>	1.24	
		<i>For White Color, Add</i>	5.87	
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>	4.98	
06 51 13 00-0066	LF	4" Diameter, Other Shapes, Recycled Plastic Lumber.....	17.09	1.36
		<i>For Reinforced Structural Plastic Lumber, Add</i>	5.61	
		<i>Note: High-density polyethylene combined with fiberglass.</i>		
		<i>For Brown Color, Add</i>	1.36	
		<i>For White Color, Add</i>	6.44	
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>	5.45	
06 51 13 00-0067	LF	5" Diameter, Other Shapes, Recycled Plastic Lumber.....	21.16	1.63
		<i>For Reinforced Structural Plastic Lumber, Add</i>	6.97	
		<i>Note: High-density polyethylene combined with fiberglass.</i>		
		<i>For Brown Color, Add</i>	1.70	
		<i>For White Color, Add</i>	8.01	
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>	6.78	
06 51 13 00-0068	LF	6" Diameter, Other Shapes, Recycled Plastic Lumber.....	46.68	1.90
		<i>For Reinforced Structural Plastic Lumber, Add</i>	16.27	
		<i>Note: High-density polyethylene combined with fiberglass.</i>		
		<i>For Brown Color, Add</i>	3.96	
		<i>For White Color, Add</i>	18.68	
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>	15.83	
06 51 13 00-0069	SF	1/8" Thick, Other Shapes, Recycled Plastic Sheeting.....	4.42	0.99
06 51 13 00-0070	SF	1/4" Thick, Other Shapes, Recycled Plastic Sheeting.....	6.44	1.03
06 51 13 00-0071	SF	3/8" Thick, Other Shapes, Recycled Plastic Sheeting.....	9.26	1.10
06 51 13 00-0072	SF	1/2" Thick, Other Shapes, Recycled Plastic Sheeting.....	11.77	1.14

06 51 23 Plastic Channel and Shapes (06 51)**06 51 23 00-0001 Channel (06 51 23)**

06 51 23 00-0002	LF	1-5/8" x 1-5/8" Plastic Polyester Channel (B-Line BFP22).....	17.56	2.25
06 51 23 00-0003	LF	1-5/8" x 1-5/8" Plastic Polyester Channel (B-Line BFP22H1-7/8)	31.97	2.25
06 51 23 00-0004	LF	1-5/8" x 1-5/8" Plastic Polyester Channel (B-Line BFP22SH).....	31.97	2.25
06 51 23 00-0005	LF	1-5/8" x 1-5/8" Plastic Polyester Channel (B-Line BFP22A)	41.58	2.25
06 51 23 00-0006	LF	1-5/8" x 1-5/8" Vinyl Ester Resin Channel (B-Line BFV22)	21.79	2.25
06 51 23 00-0007	LF	1-5/8" x 1-5/8" Vinyl Ester Resin Channel (B-Line BFV22H1-7/8)	36.39	2.25
06 51 23 00-0008	LF	1-5/8" x 1-5/8" Vinyl Ester Resin Channel (B-Line BFV22SH)	36.39	2.25
06 51 23 00-0009	LF	1-5/8" x 1-5/8" Vinyl Ester Resin Channel (B-Line BFV22A).....	45.62	2.25
06 51 23 00-0010	LF	1-5/8" x 1" Plastic Polyester Channel (B-Line BFP42).....	17.75	2.25
06 51 23 00-0011	LF	1-5/8" x 1" Plastic Polyester Channel (B-Line BFP42H1-7/8)	27.94	2.25
06 51 23 00-0012	LF	1-5/8" x 1" Plastic Polyester Channel (B-Line BFP42SH)	27.94	2.25
06 51 23 00-0013	LF	1-5/8" x 1" Plastic Polyester Channel (B-Line BFP42A).....	37.54	2.25
06 51 23 00-0014	LF	1-5/8" x 1" Vinyl Ester Resin Channel (B-Line BFV42).....	21.40	2.25
06 51 23 00-0015	LF	1-5/8" x 1" Vinyl Ester Resin Channel (B-Line BFV42H1-7/8)	31.97	2.25
06 51 23 00-0016	LF	1-5/8" x 1" Vinyl Ester Resin Channel (B-Line BFV42SH)	31.97	2.25
06 51 23 00-0017	LF	1-5/8" x 1" Vinyl Ester Resin Channel (B-Line BFV42A).....	39.27	2.25

06 51 33 Carbon Fiber Plates (06 51)

06 51 33 00-0001

Carbon Fiber Plates (06 51 33)

Note: Outer Material: 2x2 Twill Carbon Fiber Prepreg, Inner Material: 0/90 (Balanced) Unidirectional Carbon Fiber Prepreg, Exterior Finish: Matte/Matte

06 51 33 00-0002	EA	6" x 6", 0.039" Thickness, Carbon Fiber Plates	20.02
06 51 33 00-0003	EA	6" x 12", 0.039" Thickness, Carbon Fiber Plates	31.55
06 51 33 00-0004	EA	6" x 24", 0.039" Thickness, Carbon Fiber Plates	54.46
06 51 33 00-0005	EA	12" x 12", 0.039" Thickness, Carbon Fiber Plates	54.46
06 51 33 00-0006	EA	12" x 24", 0.039" Thickness, Carbon Fiber Plates	97.21
06 51 33 00-0007	EA	12" x 48", 0.039" Thickness, Carbon Fiber Plates	180.49
06 51 33 00-0008	EA	24" x 24", 0.039" Thickness, Carbon Fiber Plates	181.14
06 51 33 00-0009	EA	24" x 48", 0.039" Thickness, Carbon Fiber Plates	345.18
06 51 33 00-0010	EA	38" x 48", 0.039" Thickness, Carbon Fiber Plates	518.05
06 51 33 00-0011	EA	38" x 96", 0.039" Thickness, Carbon Fiber Plates	1,032.32
06 51 33 00-0012	EA	6" x 6", 1/16" Thickness, Carbon Fiber Plates	25.08
06 51 33 00-0013	EA	6" x 12", 1/16" Thickness, Carbon Fiber Plates	44.21
06 51 33 00-0014	EA	6" x 24", 1/16" Thickness, Carbon Fiber Plates	75.98
06 51 33 00-0015	EA	12" x 12", 1/16" Thickness, Carbon Fiber Plates	75.98
06 51 33 00-0016	EA	12" x 24", 1/16" Thickness, Carbon Fiber Plates	135.19
06 51 33 00-0017	EA	12" x 48", 1/16" Thickness, Carbon Fiber Plates	255.19
06 51 33 00-0018	EA	24" x 24", 1/16" Thickness, Carbon Fiber Plates	255.84
06 51 33 00-0019	EA	24" x 48", 1/16" Thickness, Carbon Fiber Plates	484.44
06 51 33 00-0020	EA	38" x 48", 1/16" Thickness, Carbon Fiber Plates	733.27
06 51 33 00-0021	EA	38" x 96", 1/16" Thickness, Carbon Fiber Plates	1,462.76
06 51 33 00-0022	EA	6" x 6", 0.079" Thickness, Carbon Fiber Plates	30.15
06 51 33 00-0023	EA	6" x 12", 0.079" Thickness, Carbon Fiber Plates	49.28
06 51 33 00-0024	EA	6" x 24", 0.079" Thickness, Carbon Fiber Plates	87.38
06 51 33 00-0025	EA	12" x 12", 0.079" Thickness, Carbon Fiber Plates	87.38
06 51 33 00-0026	EA	12" x 24", 0.079" Thickness, Carbon Fiber Plates	174.44
06 51 33 00-0027	EA	12" x 48", 0.079" Thickness, Carbon Fiber Plates	333.68
06 51 33 00-0028	EA	24" x 24", 0.079" Thickness, Carbon Fiber Plates	334.33
06 51 33 00-0029	EA	24" x 48", 0.079" Thickness, Carbon Fiber Plates	554.07
06 51 33 00-0030	EA	38" x 48", 0.079" Thickness, Carbon Fiber Plates	842.15
06 51 33 00-0031	EA	38" x 96", 0.079" Thickness, Carbon Fiber Plates	1,669.12
06 51 33 00-0032	EA	6" x 6", 3/32" Thickness, Carbon Fiber Plates	33.95
06 51 33 00-0033	EA	6" x 12", 3/32" Thickness, Carbon Fiber Plates	58.14
06 51 33 00-0034	EA	6" x 24", 3/32" Thickness, Carbon Fiber Plates	96.24
06 51 33 00-0035	EA	12" x 12", 3/32" Thickness, Carbon Fiber Plates	96.24
06 51 33 00-0036	EA	12" x 24", 3/32" Thickness, Carbon Fiber Plates	176.97
06 51 33 00-0037	EA	12" x 48", 3/32" Thickness, Carbon Fiber Plates	332.41
06 51 33 00-0038	EA	24" x 24", 3/32" Thickness, Carbon Fiber Plates	333.06
06 51 33 00-0039	EA	24" x 48", 3/32" Thickness, Carbon Fiber Plates	636.36
06 51 33 00-0040	EA	38" x 48", 3/32" Thickness, Carbon Fiber Plates	962.42
06 51 33 00-0041	EA	38" x 96", 3/32" Thickness, Carbon Fiber Plates	1,918.52
06 51 33 00-0042	EA	6" x 6", 0.119" Thickness, Carbon Fiber Plates	39.01
06 51 33 00-0043	EA	6" x 12", 0.119" Thickness, Carbon Fiber Plates	70.80
06 51 33 00-0044	EA	6" x 24", 0.119" Thickness, Carbon Fiber Plates	113.96
06 51 33 00-0045	EA	12" x 12", 0.119" Thickness, Carbon Fiber Plates	113.96
06 51 33 00-0046	EA	12" x 24", 0.119" Thickness, Carbon Fiber Plates	204.82
06 51 33 00-0047	EA	12" x 48", 0.119" Thickness, Carbon Fiber Plates	390.65
06 51 33 00-0048	EA	24" x 24", 0.119" Thickness, Carbon Fiber Plates	391.30
06 51 33 00-0049	EA	24" x 48", 0.119" Thickness, Carbon Fiber Plates	742.70
06 51 33 00-0050	EA	38" x 48", 0.119" Thickness, Carbon Fiber Plates	1,125.73
06 51 33 00-0051	EA	38" x 96", 0.119" Thickness, Carbon Fiber Plates	2,241.35
06 51 33 00-0052	EA	6" x 6", 1/8" Thickness, Carbon Fiber Plates	37.74
06 51 33 00-0053	EA	6" x 12", 1/8" Thickness, Carbon Fiber Plates	67.00
06 51 33 00-0054	EA	6" x 24", 1/8" Thickness, Carbon Fiber Plates	113.96
06 51 33 00-0055	EA	12" x 12", 1/8" Thickness, Carbon Fiber Plates	113.96
06 51 33 00-0056	EA	12" x 24", 1/8" Thickness, Carbon Fiber Plates	190.89
06 51 33 00-0057	EA	12" x 48", 1/8" Thickness, Carbon Fiber Plates	370.39
06 51 33 00-0058	EA	24" x 24", 1/8" Thickness, Carbon Fiber Plates	371.04
06 51 33 00-0059	EA	24" x 48", 1/8" Thickness, Carbon Fiber Plates	704.72
06 51 33 00-0060	EA	38" x 48", 1/8" Thickness, Carbon Fiber Plates	1,113.07
06 51 33 00-0061	EA	38" x 96", 1/8" Thickness, Carbon Fiber Plates	2,176.78
06 51 33 00-0062	EA	6" x 6", 0.157" Thickness, Carbon Fiber Plates	46.61
06 51 33 00-0063	EA	6" x 12", 0.157" Thickness, Carbon Fiber Plates	92.32
06 51 33 00-0064	EA	6" x 24", 0.157" Thickness, Carbon Fiber Plates	139.28
06 51 33 00-0065	EA	12" x 12", 0.157" Thickness, Carbon Fiber Plates	139.28
06 51 33 00-0066	EA	12" x 24", 0.157" Thickness, Carbon Fiber Plates	241.53
06 51 33 00-0067	EA	12" x 48", 0.157" Thickness, Carbon Fiber Plates	460.28
06 51 33 00-0068	EA	24" x 24", 0.157" Thickness, Carbon Fiber Plates	460.93
06 51 33 00-0069	EA	24" x 48", 0.157" Thickness, Carbon Fiber Plates	881.96
06 51 33 00-0070	EA	38" x 48", 0.157" Thickness, Carbon Fiber Plates	1,335.89
06 51 33 00-0071	EA	38" x 96", 0.157" Thickness, Carbon Fiber Plates	2,665.46
06 51 33 00-0072	EA	6" x 6", 3/16" Thickness, Carbon Fiber Plates	52.94
06 51 33 00-0073	EA	6" x 12", 3/16" Thickness, Carbon Fiber Plates	94.85
06 51 33 00-0074	EA	6" x 24", 3/16" Thickness, Carbon Fiber Plates	159.54
06 51 33 00-0075	EA	12" x 12", 3/16" Thickness, Carbon Fiber Plates	159.54
06 51 33 00-0076	EA	12" x 24", 3/16" Thickness, Carbon Fiber Plates	274.45
06 51 33 00-0077	EA	12" x 48", 3/16" Thickness, Carbon Fiber Plates	529.91
06 51 33 00-0078	EA	24" x 24", 3/16" Thickness, Carbon Fiber Plates	530.56
06 51 33 00-0079	EA	24" x 48", 3/16" Thickness, Carbon Fiber Plates	1,008.56
06 51 33 00-0080	EA	38" x 48", 3/16" Thickness, Carbon Fiber Plates	1,525.79
06 51 33 00-0081	EA	38" x 96", 3/16" Thickness, Carbon Fiber Plates	3,032.60
06 51 33 00-0082	EA	6" x 6", 0.197" Thickness, Carbon Fiber Plates	54.20
06 51 33 00-0083	EA	6" x 12", 0.197" Thickness, Carbon Fiber Plates	101.18

06 Wood, Plastics, and Composites**06 50 Structural Plastics****06 51 Structural Plastic Shapes and Plates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

06 51 33 00-0084	EA	6" x 24", 0.197" Thickness, Carbon Fiber Plates	173.47	
06 51 33 00-0085	EA	12" x 12", 0.197" Thickness, Carbon Fiber Plates	151.94	
06 51 33 00-0086	EA	12" x 24", 0.197" Thickness, Carbon Fiber Plates	304.83	
06 51 33 00-0087	EA	12" x 48", 0.197" Thickness, Carbon Fiber Plates	534.97	
06 51 33 00-0088	EA	24" x 24", 0.197" Thickness, Carbon Fiber Plates	535.62	
06 51 33 00-0089	EA	24" x 48", 0.197" Thickness, Carbon Fiber Plates	1,016.16	
06 51 33 00-0090	EA	38" x 48", 0.197" Thickness, Carbon Fiber Plates	1,543.51	
06 51 33 00-0091	EA	38" x 96", 0.197" Thickness, Carbon Fiber Plates	3,064.25	
06 51 33 00-0092	EA	6" x 6", 1/4" Thickness, Carbon Fiber Plates	63.06	
06 51 33 00-0093	EA	6" x 12", 1/4" Thickness, Carbon Fiber Plates	113.84	
06 51 33 00-0094	EA	6" x 24", 1/4" Thickness, Carbon Fiber Plates	189.92	
06 51 33 00-0095	EA	12" x 12", 1/4" Thickness, Carbon Fiber Plates	189.92	
06 51 33 00-0096	EA	12" x 24", 1/4" Thickness, Carbon Fiber Plates	342.81	
06 51 33 00-0097	EA	12" x 48", 1/4" Thickness, Carbon Fiber Plates	655.24	
06 51 33 00-0098	EA	24" x 24", 1/4" Thickness, Carbon Fiber Plates	655.89	
06 51 33 00-0099	EA	24" x 48", 1/4" Thickness, Carbon Fiber Plates	1,249.10	
06 51 33 00-0100	EA	38" x 48", 1/4" Thickness, Carbon Fiber Plates	1,897.99	
06 51 33 00-0101	EA	38" x 96", 1/4" Thickness, Carbon Fiber Plates	3,771.94	

06 52 Plastic Structural Assemblies (06 50)**06 52 13 Plastic Columns** (06 52)**06 52 13 00-0001 Round Fiberglass Columns** (06 52 13)

06 52 13 00-0002	LF	6" Diameter, Round Fiberglass Column	18.80	6.99
06 52 13 00-0003	LF	8" Diameter, Round Fiberglass Column	26.67	10.16
06 52 13 00-0004	LF	10" Diameter, Round Fiberglass Column	30.81	11.44
06 52 13 00-0005	LF	12" Diameter, Round Fiberglass Column	37.20	11.96
06 52 13 00-0006	LF	15" Diameter, Round Fiberglass Column	45.07	13.82
06 52 13 00-0007	EA	6" Diameter, Base And Cap For Round Fiberglass Columns	36.11	13.23
06 52 13 00-0008	EA	8" Diameter, Base And Cap For Round Fiberglass Columns	39.86	14.29
06 52 13 00-0009	EA	10" Diameter, Base And Cap For Round Fiberglass Columns	46.58	15.88
06 52 13 00-0010	EA	12" Diameter, Base And Cap For Round Fiberglass Columns	62.36	16.93
06 52 13 00-0011	EA	15" Diameter, Base And Cap For Round Fiberglass Columns	82.69	18.52

06 52 13 00-0012 Fluted Fiberglass Columns (06 52 13)

06 52 13 00-0013	LF	6" Diameter, Fluted Fiberglass Column	19.75	6.99
06 52 13 00-0014	LF	8" Diameter, Fluted Fiberglass Column	27.93	10.16
06 52 13 00-0015	LF	10" Diameter, Fluted Fiberglass Column	32.41	11.44
06 52 13 00-0016	LF	12" Diameter, Fluted Fiberglass Column	39.88	11.96
06 52 13 00-0017	LF	15" Diameter, Fluted Fiberglass Column	48.56	13.87
06 52 13 00-0018	EA	6" Diameter, Base And Cap For Fluted Fiberglass Columns	38.04	13.23
06 52 13 00-0019	EA	8" Diameter, Base And Cap For Fluted Fiberglass Columns	42.11	14.29
06 52 13 00-0020	EA	10" Diameter, Base And Cap For Fluted Fiberglass Columns	49.55	15.88
06 52 13 00-0021	EA	12" Diameter, Base And Cap For Fluted Fiberglass Columns	68.05	16.93
06 52 13 00-0022	EA	15" Diameter, Base And Cap For Fluted Fiberglass Columns	91.81	18.52

06 52 13 00-0023 Ornamental Or Decorative Cap And Base For Fiberglass Columns (06 52 13)

06 52 13 00-0024	EA	8" Roman Ionic Cap And Base For Fiberglass Columns	133.82	15.88
06 52 13 00-0025	EA	10" Roman Ionic Cap And Base For Fiberglass Columns	177.22	18.52
06 52 13 00-0026	EA	12" Roman Ionic Cap And Base For Fiberglass Columns	225.79	21.17
06 52 13 00-0027	EA	8" Scamozzi Cap And Base For Fiberglass Columns	157.72	15.88
06 52 13 00-0028	EA	10" Scamozzi Cap And Base For Fiberglass Columns	189.50	18.52
06 52 13 00-0029	EA	12" Scamozzi Cap And Base For Fiberglass Columns	273.59	21.17
06 52 13 00-0030	EA	8" Corinthian Cap And Base For Fiberglass Columns	196.48	15.88
06 52 13 00-0031	EA	10" Corinthian Cap And Base For Fiberglass Columns	237.94	18.52
06 52 13 00-0032	EA	12" Corinthian Cap And Base For Fiberglass Columns	313.64	21.17
06 52 13 00-0033	EA	8" Temple Of Winds Cap And Base For Fiberglass Columns	135.76	15.88
06 52 13 00-0034	EA	10" Temple Of Winds Cap And Base For Fiberglass Columns	181.10	18.52
06 52 13 00-0035	EA	12" Temple Of Winds Cap And Base For Fiberglass Columns	229.67	21.17
06 52 13 00-0036	EA	8" Greek Erechtheum Cap And Base For Fiberglass Columns	135.76	15.88
06 52 13 00-0037	EA	10" Greek Erechtheum Cap And Base For Fiberglass Columns	163.01	18.52
06 52 13 00-0038	EA	12" Greek Erechtheum Cap And Base For Fiberglass Columns	213.52	21.17

06 53 Plastic Decking (06 50)**06 53 16 Plastic Stair Treads** (06 53)**06 53 16 00-0001 Fiberglass Reinforced Plastic Stair Treads** (06 53 16)

Note: Includes standard colors and anchors. Excludes stringers.

06 53 16 00-0002	LF	1" Thick, 12" Wide, Fiberglass Reinforced Plastic Stair Tread With Safety Nosing, Excluding Stringer	48.92	2.73
06 53 16 00-0003	LF	1-1/2" Thick, 12" Wide, Fiberglass Reinforced Plastic Stair Tread With Safety Nosing, Excluding Stringer	66.42	3.28
06 53 16 00-0004	LF	2" Thick, 12" Wide, Fiberglass Reinforced Plastic Stair Tread With Safety Nosing, Excluding Stringer	90.48	3.61

06 60 Plastic Fabrications (06)**06 65 Plastic Trim** (06 60)**06 65 00 00-0001 Plastic Moldings** (06 65)

Note: All dimensions are nominal.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 65 00 00-0002		Base, Plastic Moldings (06 65 00 00-0001)		
06 65 00 00-0003	LF	3-1/2" High, Base, Plastic Molding.....	7.22	2.56
06 65 00 00-0004	LF	4-1/2" High, Base, Plastic Molding.....	8.83	3.21
06 65 00 00-0005	LF	3/4" x 1", Base Shoe, Plastic Molding.....	6.78	2.70
06 65 00 00-0006		Cornice, Plastic Moldings (06 65 00 00-0001)		
06 65 00 00-0007	LF	1" x 2" Cornice, Plastic Molding.....	6.69	2.56
06 65 00 00-0008	LF	1" x 4" Cornice, Plastic Molding.....	8.17	2.70
06 65 00 00-0009	LF	1" x 6" Cornice, Plastic Molding.....	10.95	2.83
06 65 00 00-0010	LF	1" x 8" Cornice, Plastic Molding.....	12.50	2.96
06 65 00 00-0011	LF	1" x 10" Cornice, Plastic Molding.....	14.30	3.08
06 65 00 00-0012	LF	1" x 12" Cornice, Plastic Molding.....	18.08	3.21
06 65 00 00-0013		Crown Or Bed, Plastic Moldings (06 65 00 00-0001)		
06 65 00 00-0014	LF	9/16" x 1-5/8" Crown Or Bed, Plastic Molding.....	11.39	2.56
06 65 00 00-0015	LF	9/16" x 2-1/4" Crown Or Bed, Plastic Molding.....	15.19	3.21
06 65 00 00-0016	LF	9/16" x 3-1/2" Crown Or Bed, Plastic Molding.....	15.79	3.21
06 65 00 00-0017	LF	9/16" x 3-5/8" Crown Or Bed, Plastic Molding.....	16.39	3.21
06 65 00 00-0018	LF	5/8" x 4-1/4" Crown Or Bed, Plastic Molding.....	21.28	3.85
06 65 00 00-0019	LF	11/16" x 4-5/8" Crown Or Bed, Plastic Molding.....	25.01	3.85
06 65 00 00-0020		Dentil, Plastic Moldings (06 65 00 00-0001)		
06 65 00 00-0021	LF	11/16" x 1-3/8" Dentil, Plastic Molding.....	9.80	2.56
06 65 00 00-0022	LF	5/8" x 2-1/2" Dentil, Plastic Molding.....	10.94	2.56
06 65 00 00-0023	LF	1-3/8" x 3-3/8" Dentil, Plastic Molding.....	13.51	2.56
06 65 00 00-0024	LF	1-1/2" x 4-1/2" Dentil, Plastic Molding.....	17.94	2.56
06 65 00 00-0025		Cove, Plastic Moldings (06 65 00 00-0001)		
06 65 00 00-0026	LF	3/8" x 3/8" Cove, Plastic Molding.....	3.85	1.41
06 65 00 00-0027	LF	1/2" x 1/2" Cove, Plastic Molding.....	4.15	1.41
06 65 00 00-0028	LF	5/8" x 5/8" Cove, Plastic Molding.....	5.42	1.67
06 65 00 00-0029	LF	3/4" x 3/4" Cove, Plastic Molding.....	5.42	1.67
06 65 00 00-0030	LF	15/16" x 15/16" Cove, Plastic Molding.....	6.76	1.67
06 65 00 00-0031	LF	9/16" x 1-3/4" Cove, Plastic Molding.....	8.79	1.92
06 65 00 00-0032	LF	11/16" x 2-3/4" Cove, Plastic Molding.....	11.61	1.92
06 65 00 00-0033		Chair Rail, Plastic Moldings (06 65 00 00-0001)		
06 65 00 00-0034	LF	1/2" x 1-5/8" Chair Rail, Plastic Molding.....	6.35	1.92
06 65 00 00-0035	LF	5/8" x 2-1/2" Chair Rail, Plastic Molding.....	8.55	2.56
06 65 00 00-0036	LF	5/8" x 3-1/2" Chair Rail, Plastic Molding.....	10.29	2.56
06 65 00 00-0037		Door, Plastic Moldings (06 65 00 00-0001)		
06 65 00 00-0038	LF	1-1/8" Wide, Door, Plastic Molding.....	5.65	2.31
06 65 00 00-0039	LF	1-1/8" Wide, Detailed Door, Plastic Molding.....	5.69	2.31
06 65 00 00-0040		Trim, Plastic Moldings (06 65 00 00-0001)		
06 65 00 00-0041	LF	1/2" x 1/2" Quarter Round Trim, Plastic Molding.....	6.00	2.70
06 65 00 00-0042	LF	3/4" x 3/4" Quarter Round Trim, Plastic Molding.....	7.73	2.70
06 65 00 00-0043	LF	1-1/4" x 2" Brick Mould, Plastic Molding.....	7.61	2.56
06 65 00 00-0044	LF	1-17/32" x 1-1/2" x 1-3/8" Sill Nose, Plastic Molding.....	8.77	2.56
06 65 00 00-0045	LF	11/16" x 1-5/8" Drip Cap, Plastic Molding.....	6.48	2.56
06 65 00 00-0046	LF	2-3/4" x 2" Water Table, Plastic Molding.....	9.61	2.56
06 65 00 00-0047	LF	3/8" x 2" Garage Door Stop, Plastic Molding.....	7.12	2.56
06 65 00 00-0048		Extruded Polyvinyl Chloride (PVC) Trimboard (06 65)		
Note: As manufactured by Azek or Kleer. All dimensions are nominal.				
06 65 00 00-0049	LF	1" x 4" Extruded Polyvinyl Chloride (PVC) Trimboard.....	4.63	1.03
06 65 00 00-0050	LF	1" x 6" Extruded Polyvinyl Chloride (PVC) Trimboard.....	6.63	1.16
06 65 00 00-0051	LF	1" x 8" Extruded Polyvinyl Chloride (PVC) Trimboard.....	8.66	1.29
06 65 00 00-0052	LF	1" x 10" Extruded Polyvinyl Chloride (PVC) Trimboard.....	10.43	1.31
06 65 00 00-0053	LF	1" x 12" Extruded Polyvinyl Chloride (PVC) Trimboard.....	12.36	1.35
06 65 00 00-0054	LF	5/4" x 4" Extruded Polyvinyl Chloride (PVC) Trimboard.....	5.67	1.03
06 65 00 00-0055	LF	5/4" x 6" Extruded Polyvinyl Chloride (PVC) Trimboard.....	8.22	1.16
06 65 00 00-0056	LF	5/4" x 8" Extruded Polyvinyl Chloride (PVC) Trimboard.....	10.44	1.29
06 65 00 00-0057	LF	5/4" x 10" Extruded Polyvinyl Chloride (PVC) Trimboard.....	12.87	1.31
06 65 00 00-0058	LF	5/4" x 12" Extruded Polyvinyl Chloride (PVC) Trimboard.....	15.08	1.35
06 65 00 00-0059	LF	3-1/2" x 3-1/2" Extruded Polyvinyl Chloride (PVC) Corner Board.....	12.30	1.31
06 65 00 00-0060	LF	5-1/2" x 5-1/2" Extruded Polyvinyl Chloride (PVC) Corner Board.....	16.30	1.35
06 65 00 00-0061	SF	1/2" Smooth/Wood Grain Reversible Extruded Polyvinyl Chloride (PVC) Sheets.....	8.63	1.16
06 65 00 00-0062	SF	3/4" Smooth/Wood Grain Reversible Extruded Polyvinyl Chloride (PVC) Sheets.....	12.40	1.29

06 70 Structural Composites (06)

06 Wood, Plastics, and Composites**06 70 Structural Composites****06 74 Composite Gratings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
06 74 Composite Gratings (06 70)**06 74 13 Fiberglass Reinforced Gratings** (06 74)06 74 13 00-0001 Molded Fiberglass Gratings And Coverings (06 74 13)06 74 13 00-0002 Vi-Corr Resin System (06 74 13 00-0001)

Note: Orange or dark gray.

06 74 13 00-0003	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, Vi-Corr Resin, Meniscus Top	46.23	1.96
06 74 13 00-0004	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Meniscus Top	44.89	1.96
06 74 13 00-0005	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Meniscus Top	58.70	1.96
06 74 13 00-0006	SF	2" Molded Fiberglass Grate, 2" x 2" Mesh, Vi-Corr Resin, Meniscus Top	63.51	2.52
06 74 13 00-0007	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh, Vi-Corr Resin, Applied Grit Top	48.53	1.96
06 74 13 00-0008	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Applied Grit Top	47.15	1.96
06 74 13 00-0009	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Applied Grit Top	62.03	1.96
06 74 13 00-0010	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, Vi-Corr Resin, Applied Grit Top	66.64	2.52
06 74 13 00-0011	SF	1/4" Vi-Corr Resin Polyester Resin, Fiberplate Covering	43.85	1.57
06 74 13 00-0012	SF	1/2" Vi-Corr Resin Polyester Resin, Fiberplate Covering	71.21	1.73
06 74 13 00-0013	SF	3/4 Vi-Corr Resin Polyester Resin, Fiberplate Covering	97.68	1.90

06 74 13 00-0014 IFR Fire Retardant Isophthalic Resin (06 74 13 00-0001)

06 74 13 00-0015	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top	42.49	1.96
06 74 13 00-0016	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top	39.77	1.96
06 74 13 00-0017	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top	51.29	1.96
06 74 13 00-0018	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top	55.28	2.52
06 74 13 00-0019	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top	44.37	1.96
06 74 13 00-0020	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top	40.84	1.96
06 74 13 00-0021	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top	55.68	2.52
06 74 13 00-0022	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top	58.38	2.52
06 74 13 00-0023	SF	1/4" IFR Fire Retardant Isophthalic Resin Polyester Resin, Fiberplate Covering	38.62	1.57
06 74 13 00-0024	SF	1/2" IFR Fire Retardant Isophthalic Resin Polyester Resin, Fiberplate Covering	54.78	1.73
06 74 13 00-0025	SF	3/4" IFR Fire Retardant Isophthalic Resin Polyester Resin, Fiberplate Covering	75.35	1.90

06 74 13 00-0026 Corvex Polyester Resin (06 74 13 00-0001)

Note: Dark gray.

06 74 13 00-0027	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, Corvex Polyester Resin, Meniscus Top	35.99	1.96
06 74 13 00-0028	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Meniscus Top	34.55	1.96
06 74 13 00-0029	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Meniscus Top	41.97	1.96
06 74 13 00-0030	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, Corvex Polyester Resin, Meniscus Top	48.21	2.52
06 74 13 00-0031	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh, Corvex Polyester Resin, Applied Grit Top	38.38	1.96
06 74 13 00-0032	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Applied Grit Top	36.92	1.96
06 74 13 00-0033	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Applied Grit Top	44.74	1.96
06 74 13 00-0034	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, Corvex Polyester Resin, Applied Grit Top	50.58	2.52
06 74 13 00-0035	SF	1/4" Corvex Polyester Resin, Fiberplate Covering	34.06	1.57
06 74 13 00-0036	SF	1/2" Corvex Polyester Resin, Fiberplate Covering	54.54	1.73
06 74 13 00-0037	SF	3/4" Corvex Polyester Resin, Fiberplate Covering	75.74	1.90

06 74 13 00-0038 XFR Extra Fire Retardant (06 74 13 00-0001)

06 74 13 00-0039	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, XFR Extra Fire Retardant, Meniscus Top	53.14	1.96
06 74 13 00-0040	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Meniscus Top	51.58	1.96
06 74 13 00-0041	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Meniscus Top	70.76	1.96
06 74 13 00-0042	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, XFR Extra Fire Retardant, Meniscus Top	75.53	2.52
06 74 13 00-0043	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh XFR Extra Fire Retardant, Applied Grit Top	55.48	1.96
06 74 13 00-0044	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Applied Grit Top	53.95	1.96
06 74 13 00-0045	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Applied Grit Top	73.53	1.96
06 74 13 00-0046	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, XFR Extra Fire Retardant, Applied Grit Top	78.89	2.52
06 74 13 00-0047	SF	1/4" XFR Extra Fire Retardant Resin, Fiberplate Covering	50.28	1.57
06 74 13 00-0048	SF	1/2" XFR Extra Fire Retardant Resin, Fiberplate Covering	81.50	1.73

06 74 13 00-0049 ELS Extremely Low Smoke Resin (06 74 13 00-0001)

06 74 13 00-0050	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, ELS Extremity Low Smoke Resin, Meniscus Top	54.51	1.96
06 74 13 00-0051	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Meniscus Top	52.85	1.96
06 74 13 00-0052	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Meniscus Top	68.85	1.96
06 74 13 00-0053	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, ELS Extremity Low Smoke Resin, Meniscus Top	73.73	2.52
06 74 13 00-0054	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top	56.67	1.96
06 74 13 00-0055	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top	55.31	1.96
06 74 13 00-0056	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top	71.52	1.96
06 74 13 00-0057	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top	76.43	2.52
06 74 13 00-0058	SF	1/4" ELS Extremity Low Smoke Resin, Fiberplate Covering	56.24	1.57
06 74 13 00-0059	SF	1/2 ELS Extremity Low Smoke Resin, Fiberplate Covering	101.65	1.73

06 74 13 00-0060 Pultruded Fiberglass Grating (06 74 13)06 74 13 00-0061 ISOFR Isophthalic Polyester Resin System (06 74 13 00-0060)

Note: For moderately corrosive environments, green.

06 74 13 00-0062 1" ISOFR Isophthalic Polyester Resin System (06 74 13 00-0061)

06 74 13 00-0063	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	38.64	2.52
06 74 13 00-0064	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	34.24	1.96
06 74 13 00-0065	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin	43.75	2.52
06 74 13 00-0066	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin	40.42	1.96

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 74 13 00-0067	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 38% Open, ISOFR Isophthalic Polyester Resin.....	30.05	2.52
06 74 13 00-0068	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 38% Open, ISOFR Isophthalic Polyester Resin.....	26.56	1.96
06 74 13 00-0069	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin.....	34.48	2.52
06 74 13 00-0070	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin.....	31.09	1.96
06 74 13 00-0071 1-1/2" ISOFR Isophthalic Polyester Resin System (06 74 13 00-0061)				
06 74 13 00-0072	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin.....	43.70	2.52
06 74 13 00-0073	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin.....	39.42	1.96
06 74 13 00-0074	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin.....	49.17	2.52
06 74 13 00-0075	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin.....	46.11	1.96
06 74 13 00-0076	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin.....	38.36	2.52
06 74 13 00-0077	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin.....	34.97	1.96
06 74 13 00-0078 2" ISOFR Isophthalic Polyester Resin System (06 74 13 00-0061)				
06 74 13 00-0079	SF	2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin.....	37.76	2.52
06 74 13 00-0080	SF	2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin.....	41.85	2.52
06 74 13 00-0081	SF	2" Pultruded Fiberglass Grate, 6" Bar Space, 33% Open, ISOFR Isophthalic Polyester Resin.....	50.71	2.52
06 74 13 00-0082	SF	2" Pultruded Fiberglass Grate, 12" Bar Space, 33% Open, ISOFR Isophthalic Polyester Resin.....	47.81	2.52
06 74 13 00-0083 VERN Vinyl Ester Resin System (06 74 13 00-0060)				
06 74 13 00-0084 1" VERN Vinyl Ester Resin System (06 74 13 00-0083)				
06 74 13 00-0085	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, VERN Vinyl Ester Resin.....	40.94	1.96
06 74 13 00-0086	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, VERN Vinyl Ester Resin.....	36.56	1.96
06 74 13 00-0087	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, VERN Vinyl Ester Resin.....	46.11	1.96
06 74 13 00-0088	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, VERN Vinyl Ester Resin.....	53.00	1.96
06 74 13 00-0089	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 38% Open, VERN Vinyl Ester Resin.....	31.31	1.96
06 74 13 00-0090	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 38% Open, VERN Vinyl Ester Resin.....	27.93	1.96
06 74 13 00-0091	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, VERN Vinyl Ester Resin.....	36.02	1.96
06 74 13 00-0092	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, VERN Vinyl Ester Resin.....	33.01	1.96
06 74 13 00-0093 1-1/2" VERN Vinyl Ester Resin System (06 74 13 00-0083)				
06 74 13 00-0094	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, VERN Vinyl Ester Resin.....	45.00	1.96
06 74 13 00-0095	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, VERN Vinyl Ester Resin.....	40.67	1.96
06 74 13 00-0096	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, VERN Vinyl Ester Resin.....	51.51	1.96
06 74 13 00-0097	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, VERN Vinyl Ester Resin.....	48.06	1.96
06 74 13 00-0098	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, VERN Vinyl Ester Resin.....	40.39	1.96
06 74 13 00-0099	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, VERN Vinyl Ester Resin.....	37.17	1.96
06 74 13 00-0100 2" VERN Vinyl Ester Resin System (06 74 13 00-0083)				
06 74 13 00-0101	SF	2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, VERN Vinyl Ester Resin.....	39.70	2.52
06 74 13 00-0102	SF	2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, VERN Vinyl Ester Resin.....	36.57	2.52
06 74 13 00-0103	SF	2" Pultruded Fiberglass Grate, 6" Bar Space, 33% Open, VERN Vinyl Ester Resin.....	53.43	2.52
06 74 13 00-0104	SF	2" Pultruded Fiberglass Grate, 12" Bar Space, 33% Open, VERN Vinyl Ester Resin.....	51.87	2.52

06 80 Composite Fabrications (06)

06 82 Composite Trim (06 80)

06 82 00 00-0001 Fiberglass Castings (06 82)

06 82 00 00-0002 Fiberglass Angle, Equal Legs (06 82 00 00-0001)

06 82 00 00-0003	LF	1" x 1" x 1/8" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin.....	9.51	3.28
06 82 00 00-0004	LF	1" x 1" x 1/8" Thick Fiberglass Angle, VERN Vinyl Ester Resin.....	10.00	3.28
06 82 00 00-0005	LF	3" x 3" x 1/4" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin.....	18.15	3.94
06 82 00 00-0006	LF	3" x 3" x 1/4" Thick Fiberglass Angle, VERN Vinyl Ester Resin.....	20.11	3.94
06 82 00 00-0007	LF	4" x 4" x 1/4" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin.....	20.23	3.94
06 82 00 00-0008	LF	4" x 4" x 1/4" Thick Fiberglass Angle, VERN Vinyl Ester Resin.....	21.65	3.94
06 82 00 00-0009	LF	4" x 4" x 3/8" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin.....	23.55	3.94
06 82 00 00-0010	LF	4" x 4" x 3/8" Thick Fiberglass Angle, VERN Vinyl Ester Resin.....	26.58	3.94
06 82 00 00-0011	LF	6" x 6" x 1/2" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin.....	64.38	4.92
06 82 00 00-0012	LF	6" x 6" x 1/2" Thick Fiberglass Angle, VERN Vinyl Ester Resin.....	74.17	4.92

06 82 00 00-0013 Fiberglass Channels (06 82 00 00-0001)

06 82 00 00-0014	LF	3" x 1" x 1/4" Fiberglass Channel, ISOFR Isophthalic Polyester Resin.....	10.97	4.92
06 82 00 00-0015	LF	3" x 1" x 1/4" Fiberglass Channel, VERN Vinyl Ester Resin.....	11.46	4.92
06 82 00 00-0016	LF	4" x 1 1/8" x 1/4" Fiberglass Channel, ISOFR Isophthalic Polyester Resin.....	23.53	5.57
06 82 00 00-0017	LF	4" x 1 1/8" x 1/4" Fiberglass Channel, VERN Vinyl Ester Resin.....	23.53	5.57
06 82 00 00-0018	LF	6" x 1 11/16" x 3/8" Fiberglass Channel, ISOFR Isophthalic Polyester Resin.....	37.27	5.57
06 82 00 00-0019	LF	6" x 1 11/16" x 3/8" Fiberglass Channel, VERN Vinyl Ester Resin.....	43.45	5.57
06 82 00 00-0020	LF	8" x 2 3/16" x 3/8" Fiberglass Channel, ISOFR Isophthalic Polyester Resin.....	34.96	5.57
06 82 00 00-0021	LF	8" x 2 3/16" x 3/8" Fiberglass Channel, VERN Vinyl Ester Resin.....	42.25	5.57
06 82 00 00-0022	LF	10" x 2-3/4" x 1/2" Fiberglass Channel, ISOFR Isophthalic Polyester Resin.....	53.24	7.66
06 82 00 00-0023	LF	10" x 2-3/4" x 1/2" Fiberglass Channel, VERN Vinyl Ester Resin.....	61.21	7.66

06 82 00 00-0024 Fiberglass Wide Flange Beams (06 82 00 00-0001)

06 Wood, Plastics, and Composites**06 80 Composite Fabrications****06 82 Composite Trim**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

06 82 00 00-0025	LF	4" x 4" x 1/4" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin.....	32.10	6.56
06 82 00 00-0026	LF	4" x 4" x 1/4" Fiberglass Wide Flange Beam, VERF Vinyl Ester Resin.....	35.18	6.56
06 82 00 00-0027	LF	6" x 6" x 1/4" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin.....	41.14	7.87
06 82 00 00-0028	LF	6" x 6" x 1/4" Fiberglass Wide Flange Beam, VERF Vinyl Ester Resin.....	42.61	7.87
06 82 00 00-0029	LF	8" x 8" x 3/8" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin.....	66.78	9.84
06 82 00 00-0030	LF	8" x 8" x 3/8" Fiberglass Wide Flange Beam, VERF Vinyl Ester Resin.....	84.18	9.84
06 82 00 00-0031	LF	10" x 10" x 1/2" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin.....	149.84	12.03
06 82 00 00-0032	LF	10" x 10" x 1/2" Fiberglass Wide Flange Beam, VERF Vinyl Ester Resin.....	168.87	12.03

06 82 00 00-0033 Fiberglass Flat Sheet (06 82 00 00-0001)

Note: Not to be used for bathroom board.

06 82 00 00-0034	SF	1/8" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin	26.49	5.57
06 82 00 00-0035	SF	1/8" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin	27.70	5.57
06 82 00 00-0036	SF	1/4" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin	41.97	6.56
06 82 00 00-0037	SF	1/4" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin	48.43	6.56
06 82 00 00-0038	SF	3/8" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin	57.09	7.87
06 82 00 00-0039	SF	3/8" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin	66.80	7.87
06 82 00 00-0040	SF	1/2" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin	77.11	9.84
06 82 00 00-0041	SF	1/2" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin	91.96	9.84

06 82 00 00-0042 Fiberglass Bars (06 82 00 00-0001)**06 82 00 00-0043 Square Bars** (06 82 00 00-0042)

06 82 00 00-0044	LF	1" Square Fiberglass Solid Square Bar, ISO Isophthalic Polyester Resin	15.67	3.94
06 82 00 00-0045	LF	1-1/4" Square Fiberglass Solid Square Bar, ISO Isophthalic Polyester Resin	22.66	5.79
06 82 00 00-0046	LF	1-1/2" Square Fiberglass Solid Square Bar, ISOFR Isophthalic Polyester Resin	26.61	7.66

06 82 00 00-0047 Round Bars (06 82 00 00-0042)

06 82 00 00-0048	LF	1/4" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin.....	9.95	3.28
06 82 00 00-0049	LF	1" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	21.67	4.92
06 82 00 00-0050	LF	1" Diameter Fiberglass Solid Round Bar, VERF Vinyl Ester Resin.....	24.62	4.92
06 82 00 00-0051	LF	1-1/4" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	32.86	4.92
06 82 00 00-0052	LF	1-1/2" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	39.31	5.57

06 82 00 00-0053 Fiberglass Tubes (06 82 00 00-0001)**06 82 00 00-0054 Square Tube** (06 82 00 00-0053)

06 82 00 00-0055	LF	1" x 1" x 1/8" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin.....	11.28	3.28
06 82 00 00-0056	LF	1" x 1" x 1/8" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin	12.23	3.28
06 82 00 00-0057	LF	2" x 2" x 1/8" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin.....	16.83	3.94
06 82 00 00-0058	LF	2" x 2" x 1/8" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin	18.51	3.94
06 82 00 00-0059	LF	3" x 3" x 1/4" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin.....	32.50	4.92
06 82 00 00-0060	LF	3" x 3" x 1/4" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin	36.38	4.92
06 82 00 00-0061	LF	4" x 4" x 1/4" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin.....	38.22	5.90
06 82 00 00-0062	LF	4" x 4" x 1/4" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin	49.03	5.90

06 82 00 00-0063 Round Tube (06 82 00 00-0053)

06 82 00 00-0064	LF	1" Diameter x 1/8" Thick Fiberglass Round Tube, ISOFR Isophthalic Polyester Resin	10.78	3.28
06 82 00 00-0065	LF	1" Diameter x 1/8" Thick Fiberglass Round Tube, VERF Vinyl Ester Resin.....	11.21	3.28
06 82 00 00-0066	LF	2" Diameter x 1/4" Thick Fiberglass Round Tube, ISOFR Isophthalic Polyester Resin	20.57	3.94
06 82 00 00-0067	LF	2" Diameter x 1/4" Thick Fiberglass Round Tube, VERF Vinyl Ester Resin.....	21.99	3.94

06 82 00 00-0068 Fiberglass Threaded Rods (06 82 00 00-0001)

06 82 00 00-0069	LF	3/8" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin	14.88	2.52
06 82 00 00-0070	LF	1/2" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin	15.87	2.52
06 82 00 00-0071	LF	5/8" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin	18.20	2.84
06 82 00 00-0072	LF	3/4" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin	20.11	2.84
06 82 00 00-0073	LF	1" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin	22.28	2.84

06 82 00 00-0074 Grating Support Legs, VEFR Resin (06 82 00 00-0001)

06 82 00 00-0075	EA	Grating Support Legs, Fixed Height With Base Miscellaneous Fiberglass Castings	14.44	
06 82 00 00-0076	EA	Grate Support Legs Fixed Height Without Base Miscellaneous Fiberglass Castings	6.19	
06 82 00 00-0077	EA	Grating Support Legs, Adjustable To 60" Miscellaneous Fiberglass Castings.....	23.26	

06 82 00 00-0078 Fiberglass Netting (06 82 00 00-0001)

06 82 00 00-0079	SF	1/2" x 1/2" Mesh, Clear Flexible Fiberglass Netting	0.75	0.36
06 82 00 00-0080	SF	1/2" x 2" Mesh, Clear Flexible Fiberglass Netting	0.75	0.36
06 82 00 00-0081	SF	3/4" x 5/8" Mesh, Clear Flexible Fiberglass Netting	0.75	0.36
06 82 00 00-0082	SF	7/8" x 7/8" Mesh, Clear Flexible Fiberglass Netting	0.75	0.36
06 82 00 00-0083	SF	1" x 1" Mesh, Clear Flexible Fiberglass Netting	0.75	0.36
06 82 00 00-0084	SF	1/2" x 1/2" Mesh, Green Flexible Fiberglass Netting.....	0.74	0.36
06 82 00 00-0085	SF	1/2" x 2" Mesh, Green Flexible Fiberglass Netting.....	0.74	0.36
06 82 00 00-0086	SF	3/4" x 5/8" Mesh, Green Flexible Fiberglass Netting.....	0.74	0.36
06 82 00 00-0087	SF	7/8" x 7/8" Mesh, Green Flexible Fiberglass Netting.....	0.74	0.36
06 82 00 00-0088	SF	1" x 1" Mesh, Green Flexible Fiberglass Netting.....	0.74	0.36

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

06 82 00 00-0089	Fiberglass Stair Treads (06 82)		
06 82 00 00-0090	Fiberglass Stair Treads (06 82 00 00-0089)		
06 82 00 00-0091	10-1/2" Deep Isophthalic Resin System (06 82 00 00-0090)		
06 82 00 00-0092	EA 1" Fiberglass Stair Tread, 10-1/2" Deep x 24" Wide Isophthalic Resin System	112.31	17.17
06 82 00 00-0093	EA 1" Fiberglass Stair Tread, 10-1/2" Deep x 30" Wide Isophthalic Resin System	131.84	17.17
06 82 00 00-0094	EA 1" Fiberglass Stair Tread, 10-1/2" Deep x 36" Wide Isophthalic Resin System	151.38	17.17
06 82 00 00-0095	EA 1" Fiberglass Stair Tread, 10-1/2" Deep x 42" Wide Isophthalic Resin System	170.92	17.17
06 82 00 00-0096	EA 1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 24" Wide Isophthalic Resin System	124.03	17.17
06 82 00 00-0097	EA 1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 30" Wide Isophthalic Resin System	146.49	17.17
06 82 00 00-0098	EA 1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 36" Wide Isophthalic Resin System	168.96	17.17
06 82 00 00-0099	EA 1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 42" Wide Isophthalic Resin System	191.43	17.17
06 82 00 00-0100	EA 2" Fiberglass Stair Tread, 10-1/2" Deep x 24" Wide Isophthalic Resin System	142.00	17.17
06 82 00 00-0101	EA 2" Fiberglass Stair Tread, 10-1/2" Deep x 30" Wide Isophthalic Resin System	168.96	17.17
06 82 00 00-0102	EA 2" Fiberglass Stair Tread, 10-1/2" Deep x 36" Wide Isophthalic Resin System	195.92	17.17
06 82 00 00-0103	EA 2" Fiberglass Stair Tread, 10-1/2" Deep x 42" Wide Isophthalic Resin System	222.88	17.17
06 82 00 00-0104	12" Deep Isophthalic Resin System (06 82 00 00-0090)		
06 82 00 00-0105	EA 1" Fiberglass Stair Tread, 12" Deep x 24" Wide Isophthalic Resin System	123.47	17.17
06 82 00 00-0106	EA 1" Fiberglass Stair Tread, 12" Deep x 30" Wide Isophthalic Resin System	145.80	17.17
06 82 00 00-0107	EA 1" Fiberglass Stair Tread, 12" Deep x 36" Wide Isophthalic Resin System	168.13	17.17
06 82 00 00-0108	EA 1" Fiberglass Stair Tread, 12" Deep x 42" Wide Isophthalic Resin System	190.46	17.17
06 82 00 00-0109	EA 1-1/2" Fiberglass Stair Tread, 12" Deep x 24" Wide Isophthalic Resin System	136.87	17.17
06 82 00 00-0110	EA 1-1/2" Fiberglass Stair Tread, 12" Deep x 30" Wide Isophthalic Resin System	162.55	17.17
06 82 00 00-0111	EA 1-1/2" Fiberglass Stair Tread, 12" Deep x 36" Wide Isophthalic Resin System	188.23	17.17
06 82 00 00-0112	EA 1-1/2" Fiberglass Stair Tread, 12" Deep x 42" Wide Isophthalic Resin System	213.90	17.17
06 82 00 00-0113	EA 2" Fiberglass Stair Tread, 12" Deep x 24" Wide Isophthalic Resin System	157.41	17.17
06 82 00 00-0114	EA 2" Fiberglass Stair Tread, 12" Deep x 30" Wide Isophthalic Resin System	188.22	17.17
06 82 00 00-0115	EA 2" Fiberglass Stair Tread, 12" Deep x 36" Wide Isophthalic Resin System	219.04	17.17
06 82 00 00-0116	EA 2" Fiberglass Stair Tread, 12" Deep x 42" Wide Isophthalic Resin System	249.85	17.17
06 82 00 00-0117	Other Fiberglass (06 82)		
06 82 00 00-0118	Fiberglass Splash Blocks (06 82 00 00-0117)		
06 82 00 00-0119	EA Standard Size Fiberglass Splash Block	18.87	3.59

06 83 Composite Paneling (06 80)

06 83 16 Fiberglass Reinforced Paneling (06 83)

06 83 16 00-0001 Fiberglass Reinforced Polyester (FRP) Panels (06 83 16)

Note: Includes adhesive and trim.

06 83 16 00-0002	SF Fiberglass Reinforced Polyester (FRP) Paneling	3.71	1.80
	Note: Including Adhesive And Trim		

END OF SECTION 06

06	06	Wood, Plastics, and Composites	
	06 80	Composite Fabrications	
	06 83	Composite Paneling	



MINOR				TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST		UNIT COST

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07 Thermal And Moisture Protection

07 01 Operation and Maintenance of Thermal and Moisture Protection⁽⁰⁷⁾

07 01 50 Maintenance of Membrane Roofing^(07 01)

07 01 50 19 Preparation for Re-Roofing^(07 01 50)

07 01 50 19-0001 Preparation For Re-Roofing^(07 01 50 19)

07 01 50 19-0002	SQ	Removal Of Pea Gravel Ballast From Roof, Vacuum And Disposal	82.01	
07 01 50 19-0003	SQ	Removal Of Gravel Ballast From Roof, Vacuum And Disposal	143.49	

07 01 50 81 Roof Replacement^(07 01 50)

07 01 50 81-0001 Roof Repair^(07 01 50 81)

Note: Less than 100 SF areas. Excludes mobilization of crew for small quantity of roof work. See CSI section 07 05 13 00-0001 for mobilization of crew for small quantity of roof work.				
07 01 50 81-0002	SF	Up To 10 SF Roof Repair, Built-Up Roofing	22.73	
07 01 50 81-0003	SF	>10 To 25 SF Roof Repair, Built-Up Roofing	20.24	
07 01 50 81-0004	SF	>25 To 50 SF Roof Repair, Built-Up Roofing	18.35	
07 01 50 81-0005	SF	>50 To 100 SF Roof Repair, Built-Up Roofing	17.07	
07 01 50 81-0006	SF	Up To 10 SF Roof Repair, Membrane Roofing	25.32	
07 01 50 81-0007	SF	>10 To 25 SF Roof Repair, Membrane Roofing	22.82	
07 01 50 81-0008	SF	>25 To 50 SF Roof Repair, Membrane Roofing	20.94	
07 01 50 81-0009	SF	>50 To 100 SF Roof Repair, Membrane Roofing	19.66	
07 01 50 81-0010	SF	Up To 10 SF Roof Repair, Shingle Roofing	20.15	
07 01 50 81-0011	SF	>10 To 25 SF Roof Repair, Shingle Roofing	17.92	
07 01 50 81-0012	SF	>25 To 50 SF Roof Repair, Shingle Roofing	16.29	
07 01 50 81-0013	SF	>50 To 100 SF Roof Repair, Shingle Roofing	15.27	
07 01 50 81-0014	LF	Heat Weld Roofing Seams For Repair	7.85	

07 01 50 81-0015 Emergency Roof Patch^(07 01 50 81)

Note: 4 Hour response time.				
07 01 50 81-0016	EA	Mobilize For Emergency Roof Patching	770.16	
07 01 50 81-0017	EA	Granule Emergency Roof Patch Cover 16 SF	90.21	

07 01 50 81-0018 Adhesives^(07 01 50 81)

Note: For repair of seams.

07 01 50 81-0019 Mastic Sealer^(07 01 50 81-0018)

07 01 50 81-0020 Applied At Joints Only^(07 01 50 81-0019)

07 01 50 81-0021	LF	Mastic Sealer, 1/4" Bead At Joint	5.07	2.18
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07 01 50 91 Roofing Restoration^(07 01 50)

07 01 50 91-0001 Pressure Wash Membrane Roofing^(07 01 50 91)

07 01 50 91-0002	SF	Up To 2,500 PSI, Pressure Wash Membrane Roofing	0.16	
		For Up To 100, Add	0.12	
		For >100 To 250, Add	0.06	
		For >250 To 500, Add	0.02	
		For >5,000 To 10,000, Deduct	-0.01	
		For >10,000 To 15,000, Deduct	-0.02	
		For >15,000 To 30,000, Deduct	-0.02	
		For >30,000, Deduct	-0.03	

07 05 Common Work Results for Thermal and Moisture Protection⁽⁰⁷⁾

07 05 13 Mobilization Of Crew For Small Quantity Of Roof Work^(07 05)

07 05 13 00-0001 Mobilization Of Crew For Small Quantity Of Roof Work^(07 05 13)

Note: For use with all roofing tasks where the total quantity of roof work is 4 squares or less.				
07 05 13 00-0002	EA	Up To 1 SQ, Mobilization Of Crew For Small Quantity Of Roof Work	1,542.78	
07 05 13 00-0003	EA	>1 To 2 SQ, Mobilization Of Crew For Small Quantity Of Roof Work	1,154.31	
07 05 13 00-0004	EA	>2 To 3 SQ, Mobilization Of Crew For Small Quantity Of Roof Work	771.39	
07 05 13 00-0005	EA	>3 To 4 SQ, Mobilization Of Crew For Small Quantity Of Roof Work	384.77	

07 10 Dampproofing and Waterproofing⁽⁰⁷⁾

Note: The following tasks are for application to vertical (walls and foundations) surfaces. For horizontal (flat) surfaces apply the appropriate modifier to reduce the labor cost (where listed). Waterproofing is the treatment of a surface or structure to PREVENT the passage of water under hydrostatic pressure. Dampproofing is the treatment of a surface or structure to RESIST the passage of water in the absence of hydrostatic pressure.

07 11 Dampproofing^(07 10)

07 Thermal And Moisture Protection**07 10 Dampproofing and Waterproofing****07 11 Dampproofing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
07 11 13 Bituminous Dampproofing (07 11)**07 11 13 00-0001 Fibrous Asphalt Dampproofing, Brush, Roller Or Spray** (07 11 13)

07 11 13 00-0002	CSF 1 Coat, Fibrous Asphalt Dampproofing, Brush, Roller Or Spray	193.69	
07 11 13 00-0003	CSF 2 Coats, Brush, Roller Or Spray, Fibrous Asphalt Dampproofing	296.38	

07 11 13 00-0004 Fibrous Asphalt Dampproofing, Troweled On (07 11 13)

07 11 13 00-0005	CSF Primer And 1 Coat, Fibrous Asphalt Dampproofing, Troweled On	334.41	
07 11 13 00-0006	CSF Primer And 2 Coats, Troweled On, Fibrous Asphalt Dampproofing	520.95	

07 11 13 00-0007 Asphaltic Paint Dampproofing (07 11 13)

07 11 13 00-0008	CSF 1 Coat, Asphaltic Paint Dampproofing, Brushed On	155.03	
07 11 13 00-0009	CSF 2 Coats, Brushed On, Asphaltic Paint Dampproofing	286.94	

07 11 19 Sheet Dampproofing (07 11)**07 11 19 00-0001 Neoprene** (07 11 19)

07 11 19 00-0002	SF 1/16" Patch Neoprene Roof (5 To 20 SF)	41.04	
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07 13 Sheet Waterproofing (07 10)**07 13 13 Bituminous Sheet Waterproofing** (07 13)**07 13 13 00-0001 15 Lb. Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped** (07 13 13)

07 13 13 00-0002	CSF 1 Ply, 15 Lb. Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	353.69	122.39
	For 30 Lb. Felt, Add	81.68	
	For Application To Horizontal Surfaces, Deduct	-36.72	
07 13 13 00-0003	CSF 2 Ply, 15 Lb. Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	446.75	137.69
	For 30 Lb. Felt, Add	128.54	
	For Application To Horizontal Surfaces, Deduct	-41.31	
07 13 13 00-0004	CSF 3 Ply, 15 Lb. Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	539.82	152.98
	For 30 Lb. Felt, Add	175.38	
	For Application To Horizontal Surfaces, Deduct	-45.90	
07 13 13 00-0005	CSF 4 Ply, 15 Lb. Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	632.88	168.28
	For 30 Lb. Felt, Add	222.23	
	For Application To Horizontal Surfaces, Deduct	-50.49	
07 13 13 00-0006	CSF 5 Ply, 15 Lb. Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	725.95	183.59
	For 30 Lb. Felt, Add	269.09	
	For Application To Horizontal Surfaces, Deduct	-55.08	

07 13 13 00-0007 Asphalt Coated Protective Board (07 13 13)

07 13 13 00-0008	CSF 1/8" Asphalt Coated Protective Board	298.86	123.61
	For Application To Horizontal Surfaces, Deduct	-41.23	
07 13 13 00-0009	CSF 1/4" Asphalt Coated Protective Board	376.10	128.36
	For Application To Horizontal Surfaces, Deduct	-42.79	
07 13 13 00-0010	CSF 3/8" Asphalt Coated Protective Board	469.01	133.75
	For Application To Horizontal Surfaces, Deduct	-44.57	
07 13 13 00-0011	CSF 1/2" Asphalt Coated Protective Board	517.98	139.15
	For Application To Horizontal Surfaces, Deduct	-46.39	

07 13 53 Elastomeric Sheet Waterproofing (07 13)**07 13 53 00-0001 Rubberized Membrane Sheet** (07 13 53)

07 13 53 00-0002	SF 215 Mil Rubberized Asphalt Membrane Sheet, Vertical Surface	7.82	1.28
	For Floor Surfaces, Deduct	-1.24	

07 13 53 00-0003 Ethylene Propylene Diene Monomer (EPDM) (07 13 53)

07 13 53 00-0004	CSF 45 Mil Ethylene Propylene Diene Monomer (EPDM) Membrane	515.25	180.62
	For Application To Horizontal Surfaces, Deduct	-54.18	
07 13 53 00-0005	CSF 60 Mil Ethylene Propylene Diene Monomer (EPDM) Membrane	586.36	180.62
	For Application To Horizontal Surfaces, Deduct	-54.18	

07 13 53 00-0006 Butyl Sheet Waterproofing (07 13 53)

07 13 53 00-0007	CSF 1/32" Butyl Sheet Waterproofing	108.49	45.15
	For Joint Taping, Add	15.83	
	For Each Additional Ply, Add	80.47	
	For Application To Horizontal Surfaces, Deduct	-6.79	
07 13 53 00-0008	CSF 1/16" Butyl Sheet Waterproofing	128.62	45.15
	For Joint Taping, Add	16.84	
	For Each Additional Ply, Add	94.56	
	For Application To Horizontal Surfaces, Deduct	-6.79	

07 13 53 00-0009 Butyl With Nylon (07 13 53)

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 13 53 00-0010	CSF	1/32" Butyl Elastomeric Waterproofing With Nylon	120.00	45.15
		For Joint Taping, Add	16.41	
		For Each Additional Ply, Add	88.53	
		For Application To Horizontal Surfaces, Deduct	-6.79	
07 13 53 00-0011	CSF	1/16" Butyl Elastomeric Waterproofing With Nylon	132.94	45.15
		For Joint Taping, Add	17.05	
		For Each Additional Ply, Add	97.58	
		For Application To Horizontal Surfaces, Deduct	-6.79	
07 13 53 00-0012		Neoprene Sheet Waterproofing (07 13 53)		
07 13 53 00-0013	CSF	1/32" Neoprene Sheet Waterproofing	186.19	45.15
		For Joint Taping, Add	19.72	
		For Each Additional Ply, Add	134.86	
		For Application To Horizontal Surfaces, Deduct	-6.79	
07 13 53 00-0014	CSF	1/16" Neoprene Sheet Waterproofing	271.85	45.15
		For Joint Taping, Add	24.00	
		For Each Additional Ply, Add	194.82	
		For Application To Horizontal Surfaces, Deduct	-6.79	
07 13 53 00-0015		Neoprene With Nylon (07 13 53)		
07 13 53 00-0016	CSF	1/32" Neoprene Elastomeric Waterproofing With Nylon	195.13	45.15
		For Joint Taping, Add	20.16	
		For Each Additional Ply, Add	141.12	
		For Application To Horizontal Surfaces, Deduct	-6.79	
07 13 53 00-0017	CSF	1/16" Neoprene Elastomeric Waterproofing With Nylon	286.13	45.15
		For Joint Taping, Add	24.71	
		For Each Additional Ply, Add	204.82	
		For Application To Horizontal Surfaces, Deduct	-6.79	
07 13 53 00-0018		Plastic Vapor Barrier (Polyethylene) (07 13 53)		
07 13 53 00-0019	CSF	4 Mil Polyethylene Vapor Barrier	42.17	15.66
		For Joint Taping, Add	10.08	
		For Each Additional Ply, Add	32.98	
		For Application To Horizontal Surfaces, Deduct	-5.20	
07 13 53 00-0020	CSF	6 Mil Polyethylene Vapor Barrier	43.47	15.66
		For Joint Taping, Add	10.14	
		For Each Additional Ply, Add	33.89	
		For Application To Horizontal Surfaces, Deduct	-5.20	
07 13 53 00-0021	CSF	10 Mil Polyethylene Vapor Barrier	70.85	15.66
		For Joint Taping, Add	11.51	
		For Each Additional Ply, Add	53.06	
		For Application To Horizontal Surfaces, Deduct	-5.20	
07 13 53 00-0022	CSF	60 Mil Polyethylene Vapor Barrier With Bentonite	137.52	15.66
		Note: Includes seam tape, liquid mastic, anchors and termination bar.		
		For Each Additional Ply, Add	100.12	
		For Application To Horizontal Surfaces, Deduct	-5.78	
07 13 53 00-0023		Plastic Vapor Barrier (PVC) (07 13 53)		
07 13 53 00-0024	CSF	10 Mil Polyvinyl Chloride (PVC) Vapor Barrier	55.59	17.33
		For Joint Taping, Add	10.75	
		For Each Additional Ply, Add	42.38	
		For Application To Horizontal Surfaces, Deduct	-5.20	
07 13 53 00-0025	CSF	20 Mil Polyvinyl Chloride (PVC) Vapor Barrier	72.13	17.97
		For Joint Taping, Add	11.88	
		For Each Additional Ply, Add	54.09	
		For Application To Horizontal Surfaces, Deduct	-5.40	
07 13 53 00-0026	CSF	30 Mil Polyvinyl Chloride (PVC) Vapor Barrier	94.32	18.60
		For Joint Taping, Add	13.28	
		For Each Additional Ply, Add	69.75	
		For Application To Horizontal Surfaces, Deduct	-5.58	
07 13 53 00-0027		Vinyl Plastic Vapor Barrier (07 13 53)		
07 13 53 00-0028	CSF	4 Mil Vinyl Plastic Vapor Barrier With Fiberglass Insulation At Joints (Tu-Tuf #4)	50.13	16.04
07 14 Fluid-Applied Waterproofing (07 10)				
07 14 13 Hot Fluid-Applied Rubberized Asphalt Waterproofing (07 14)				
07 14 13 00-0001 Hot Applied Rubberized Asphalt Waterproofing Coating (07 14 13)				
07 14 13 00-0002	SF	90 Mil Hot Applied Rubberized Asphalt Waterproofing Coating, Vertical Surface	2.61	
		Note: Includes primer.		
		For Application To Horizontal Surfaces, Deduct	-0.23	
		For Reinforcing Fabric, Add	0.58	
07 14 13 00-0003	SF	125 Mil Hot Applied Rubberized Asphalt Waterproofing Coating, Vertical Surface	3.07	
		Note: Includes primer.		
		For Application To Horizontal Surfaces, Deduct	-0.25	
		For Reinforcing Fabric, Add	0.58	
07 14 16 Cold Fluid-Applied Waterproofing (07 14)				
07 14 16 00-0001 Fluid Applied Rubber Based Polyurethane (07 14 16)				

07 Thermal And Moisture Protection**07 10 Dampproofing and Waterproofing****07 14 Fluid-Applied Waterproofing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 14 16 00-0002	SF	60 Mil Thick, Applied In 2 Coats, Fluid Applied, Rubber Base, Polyurethane Waterproofing.....	4.46	
		<i>For Application To Horizontal Surfaces, Deduct</i>	-0.54	
07 14 16 00-0003	SF	90 Mil Thick, Applied In 2 Coats, Fluid Applied, Rubber Base, Polyurethane Waterproofing.....	5.07	
		<i>For Application To Horizontal Surfaces, Deduct</i>	-0.57	
07 14 16 00-0004	SF	120 Mil Thick, Applied In 2 Coats, Fluid Applied, Rubber Base, Polyurethane Waterproofing.....	5.72	
		<i>For Application To Horizontal Surfaces, Deduct</i>	-0.61	

07 14 16 00-0005 One Part Solution Of Chlorosulfonated Polyethylene Polymer (07 14 16)

07 14 16 00-0006	SF	15 Mil Finish Coat, 1 Part Solution, Chlorosulfonated Polyethylene (CSM) Polymer	3.09	
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07 14 16 00-0007 Copolymer Compound (07 14 16)

07 14 16 00-0008	SF	32 Mil, Fluid Elastomeric Copolymer Compound For Slabs	4.90	
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07 14 16 00-0009 Fluid Applied Neoprene (07 14 16)

07 14 16 00-0010	CSF	1/8" Fiberglass Reinforced, Fluid Applied Neoprene	597.55	
		<i>For Application To Horizontal Surfaces, Deduct</i>	-65.80	
07 14 16 00-0011	CSF	50 Mil, 4 Coats, Fluid Applied Neoprene.....	1,128.98	
		<i>For Application To Horizontal Surfaces, Deduct</i>	-129.08	
07 14 16 00-0012	CSF	90 Mil, 4 Coats, Fluid Applied Neoprene.....	1,827.05	
		<i>For Application To Horizontal Surfaces, Deduct</i>	-193.52	

07 16 Cementitious and Reactive Waterproofing (07 10)**07 16 13 Polymer Modified Cement Waterproofing (07 16)**

07 16 13 00-0001	SF	Polymer Modified Cementitious Waterproofing Assembly, 2 Coats	4.85	
		Note: As manufactured by Thoro Consumer Products. Includes Thoroseal, Acryl 60, acrylic waterproof coating and white pigmented acrylic copolymer primer.		

07 16 16 Crystalline Waterproofing (07 16)

07 16 16 00-0001	SF	Crystalline Cementitious Waterproofing, 2 Coats (Xypex Concentrate).....	6.01	
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07 16 19 Metal Oxide Waterproofing (07 16)**07 16 19 00-0001 Metallic Oxide Waterproofing (07 16 19)**

Note: Includes one broom applied bond coat and three brush applied waterproof coats. Excludes concrete repairs to subbase and final protective concrete surface coat. See CSI section 03 54 16 00-0001 for self leveling underlayment for concrete floors, 09 24 33 00-0001 for cement parging.

07 16 19 00-0002	CSF	Catalyzed Metallic Waterproofing Treatment, Metal Oxide Waterproofing (Euclid Iron Waterpeller)	528.51	
		<i>For Application To Horizontal Surfaces, Deduct</i>	-66.37	

07 17 Bentonite Waterproofing (07 10)**07 17 13 Bentonite Panel Waterproofing (07 17)**

07 17 13 00-0001	CSF	3/16" Bentonite Waterproofing Panels	455.85	147.49
		<i>For Application To Horizontal Surfaces, Deduct</i>	-44.26	
07 17 13 00-0002	CSF	1/4" Bentonite Waterproofing Panels	431.68	155.83
		<i>For Application To Horizontal Surfaces, Deduct</i>	-47.90	
07 17 13 00-0003	CSF	5/8" Bentonite Waterproofing Panels	559.77	162.50
		<i>For Application To Horizontal Surfaces, Deduct</i>	-48.74	
07 17 13 00-0004	CSF	3/8" Granular Bentonite, Troweled	453.98	135.16
		<i>For Application To Horizontal Surfaces, Deduct</i>	-40.53	

07 18 Traffic Coatings (07 10)**07 18 13 Pedestrian Traffic Coatings (07 18)****07 18 13 00-0001 Elastomeric Plaza Deck System (Garland Dura-Walk®) (07 18 13)**

Note: For pedestrian and vehicular traffic. Includes 10 year warranty. Excludes surface preparation, deck crack repair, joint sealants or markings.

07 18 13 00-0002	SQ	Porous Concrete Primer (Garland Dura-Walk® FC Primer Kit)	178.46	
07 18 13 00-0003	SQ	32 mils, Base Coat, One-Component, Polyurethane, Elastomeric Plaza Deck System (Garland Dura-Walk®).....	509.28	
07 18 13 00-0004	SQ	16 mils, Wear Coat, One-Component, Polyurethane, Elastomeric Plaza Deck System (Garland Dura-Walk®).....	293.74	
07 18 13 00-0005	SQ	16 mils, Top Coat, One-Component, Polyurethane, Elastomeric Plaza Deck System (Garland Dura-Walk®).....	351.31	
07 18 13 00-0006	LF	6" Wide, Poly Joint Tape (Garland Dura-Walk®)	1.78	

07 18 16 Vehicular Traffic Coatings (07 18)**07 18 16 00-0001 Preparation For Vehicular Traffic Coating (07 18 16)**

See CSI section 03 01 30 71-0038 for crack repairs, 32 17 23 00-0000 for pavement markings.

07 18 16 00-0002	SF	Grinding Of Existing Concrete Floor Prior To Installation Of Deck Coating	1.21	
07 18 16 00-0003	SF	Shot Blasting Concrete Surface For Vehicular Traffic Coating	2.65	

07 18 16 00-0004 Vehicular Traffic Coating (Sika) (07 18 16)

Note: Excludes surface preparation, deck crack repair, joint sealants or pavement markings. See CSI section 03 01 30 71-0038 for crack repairs, 07 18 16 00-0001 for surface preparation, 32 17 23 00-0000 for pavement markings.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 18 16 00-0005	SF	23 Mil Thick, Traffic Coating, Two-Component, Elastomeric Polyurethane Waterproofing, Concrete Coating With Primer (Sika Sikalastic® 720).....	4.01	
		Note: Excludes crack repair or caulking.		
07 18 16 00-0006	SF	12 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Protective Concrete Coating (Sika Sikalastic®-745 AL)	2.47	
		Note: Excludes crack repair or caulking.		
07 18 16 00-0007	SF	14 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Protective Concrete Coating (Sika Sikalastic®-745 AL)	2.62	
		Note: Excludes crack repair or caulking.		
07 18 16 00-0008	SF	16 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Protective Concrete Coating (Sika Sikalastic®-745 AL)	2.79	
		Note: Excludes crack repair or caulking.		
07 18 16 00-0009	SF	18 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Protective Concrete Coating (Sika Sikalastic®-745 AL)	2.93	
		Note: Excludes crack repair or caulking.		
07 18 16 00-0010	SF	14 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Wear And Top Concrete Coating (Sika Sikalastic®-745 Textured)	2.83	
		Note: Excludes crack repair or caulking.		
07 18 16 00-0011	SF	16 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Wear And Top Concrete Coating (Sika Sikalastic®-745 Textured)	3.07	
		Note: Excludes crack repair or caulking.		
07 18 16 00-0012	SF	18 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Wear And Top Concrete Coating (Sika Sikalastic®-745 Textured)	3.32	
		Note: Excludes crack repair or caulking.		

07 19 Water Repellents (07 10)

07 19 13 Acrylic Sealer (07 19)

Note: Per coat.

07 19 13 00-0001	SF	Spray On Concrete, Acrylic Sealer	2.80	
07 19 13 00-0002	SF	Spray On Concrete Block/Brick, Acrylic Sealer	3.34	
07 19 13 00-0003	SF	Spray On Stone, Acrylic Sealer	3.67	

07 19 16 Silane Water Repellents (07 19)

07 19 16 00-0001 Silane Concrete Sealer (07 19 16)

07 19 16 00-0002	SF	Spray On Concrete, Water Based, Silane Penetrating Water Repellent Sealer (Specchem SpecSilane 40 WB)	0.78	
07 19 16 00-0003	SF	Spray On Concrete Block/Brick, Water Based, Silane Penetrating Water Repellent Sealer (Specchem SpecSilane 40 WB)	1.14	

07 19 16 00-0004 Silane/Siloxane Concrete Sealer (07 19 16)

07 19 16 00-0005	SF	Spray On Concrete, Solvent Based, Silane/Siloxane Concrete Penetrating Water Repellent Sealer (Anti-Hydro Aridox 40)	1.36	
		Note: 40% silane, alcohol based.		
07 19 16 00-0006	SF	Spray On Concrete Block/Brick, Solvent Based, Silane/Siloxane Penetrating Water Repellent Sealer (Anti-Hydro Aridox 40)	1.98	
		Note: 40% silane, alcohol based.		
07 19 16 00-0007	SF	Spray On Concrete, Water-Based, Silane/Siloxane Penetrating Water Repellent Sealer (Prosoco Saltguard WB)	0.52	
		Note: 200 SF/GAL		
07 19 16 00-0008	SF	Spray On Concrete Block/Masonry, Water-Based, Silane/Siloxane Penetrating Water Repellent Sealer (Prosoco Saltguard WB)	0.76	

07 20 Thermal Protection (07)

07 21 Thermal Insulation (07 20)

07 21 13 Board Insulation (07 21)

Note: Types are stock sizes, mastic applied.

07 21 13 13 Foam Board Insulation (07 21 13)

07 21 13 13-0001 Cold Adhesive Applied Foam Board Insulation (07 21 13 13)

07 21 13 13-0002 Cold Adhesive Applied, Foam Glass (Cellular Glass), Foam Board Insulation (07 21 13 13-0001)

07 21 13 13-0003	SF	1" Thick, R3.44, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied	4.32	0.44
		For Horizontal Surface Application, Deduct	-0.07	
		For Vapor Barrier, Integral With Insulation, Add	0.05	
07 21 13 13-0004	SF	1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied	6.03	0.45
		For Horizontal Surface Application, Deduct	-0.07	
		For Vapor Barrier, Integral With Insulation, Add	0.05	
07 21 13 13-0005	SF	2" Thick, R6.88, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied	7.18	0.45
		For Horizontal Surface Application, Deduct	-0.08	
		For Vapor Barrier, Integral With Insulation, Add	0.05	
07 21 13 13-0006	SF	2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied	9.48	0.46
		For Horizontal Surface Application, Deduct	-0.08	
		For Vapor Barrier, Integral With Insulation, Add	0.05	

07 21 13 13-0007 Cold Adhesive Applied, Expanded Polystyrene, Foam Board Insulation (07 21 13 13-0001)

07 21 13 13-0008	SF	3/8" Thick, R1.44, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	1.92	0.44
		For Horizontal Surface Application, Deduct	-0.07	
		For Vapor Barrier, Integral With Insulation, Add	0.05	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 21 Thermal Insulation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 21 13 13-0009	SF	1/2" Thick, R1.93, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	1.99	0.44
		<i>For Horizontal Surface Application, Deduct</i>	-0.07	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
07 21 13 13-0010	SF	3/4" Thick, R2.89, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	2.27	0.44
		<i>For Horizontal Surface Application, Deduct</i>	-0.07	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
07 21 13 13-0011	SF	1" Thick, R3.85, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	2.55	0.44
		<i>For Horizontal Surface Application, Deduct</i>	-0.07	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
07 21 13 13-0012	SF	2" Thick, R7.70, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	3.66	0.45
		<i>For Horizontal Surface Application, Deduct</i>	-0.08	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
07 21 13 13-0013	SF	3" Thick, R11.55, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	4.77	0.46
		<i>For Horizontal Surface Application, Deduct</i>	-0.08	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
07 21 13 13-0014	SF	4" Thick, R15.40, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	5.89	0.47
		<i>For Horizontal Surface Application, Deduct</i>	-0.08	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
07 21 13 13-0015	SF	5" Thick, R19.25, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	7.00	0.48
		<i>For Horizontal Surface Application, Deduct</i>	-0.08	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
07 21 13 13-0016	SF	6" Thick, R23.1, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	8.12	0.50
		<i>For Horizontal Surface Application, Deduct</i>	-0.08	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	

07 21 13 13-0017 Cold Adhesive Applied, Extruded Polystyrene, Foam Board Insulation (07 21 13

(13-0001)

Note: 15 PSI compressive strength.

07 21 13 13-0018	SF	3/8" Thick, R1.9, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied.....	2.15	0.44
		<i>For Horizontal Surface Application, Deduct</i>	-0.07	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For 25 PSI Compressive Strength, Add</i>	0.23	
		<i>For 40 PSI Compressive Strength, Add</i>	0.54	
		<i>For 60 PSI Compressive Strength, Add</i>	0.86	
		<i>For 115 PSI Compressive Strength, Add</i>	3.72	
07 21 13 13-0019	SF	1/2" Thick, R2.5, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied.....	2.50	0.44
		<i>For Horizontal Surface Application, Deduct</i>	-0.07	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For 25 PSI Compressive Strength, Add</i>	0.28	
		<i>For 40 PSI Compressive Strength, Add</i>	0.67	
		<i>For 60 PSI Compressive Strength, Add</i>	1.06	
		<i>For 115 PSI Compressive Strength, Add</i>	4.62	
07 21 13 13-0020	SF	3/4" Thick, R3.7, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied.....	2.79	0.44
		<i>For Horizontal Surface Application, Deduct</i>	-0.07	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For 25 PSI Compressive Strength, Add</i>	0.33	
		<i>For 40 PSI Compressive Strength, Add</i>	0.78	
		<i>For 60 PSI Compressive Strength, Add</i>	1.23	
		<i>For 115 PSI Compressive Strength, Add</i>	5.37	
07 21 13 13-0021	SF	1" Thick, R5.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied.....	2.95	0.44
		<i>For Horizontal Surface Application, Deduct</i>	-0.07	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For 25 PSI Compressive Strength, Add</i>	0.35	
		<i>For 40 PSI Compressive Strength, Add</i>	0.84	
		<i>For 60 PSI Compressive Strength, Add</i>	1.32	
		<i>For 115 PSI Compressive Strength, Add</i>	5.75	
07 21 13 13-0022	SF	2" Thick, R10.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied.....	4.46	0.45
		<i>For Horizontal Surface Application, Deduct</i>	-0.08	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For 25 PSI Compressive Strength, Add</i>	0.59	
		<i>For 40 PSI Compressive Strength, Add</i>	1.41	
		<i>For 60 PSI Compressive Strength, Add</i>	2.19	
		<i>For 115 PSI Compressive Strength, Add</i>	9.61	
07 21 13 13-0023	SF	3" Thick, R15.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied.....	5.98	0.46
		<i>For Horizontal Surface Application, Deduct</i>	-0.08	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For 25 PSI Compressive Strength, Add</i>	0.83	
		<i>For 40 PSI Compressive Strength, Add</i>	1.98	
		<i>For 60 PSI Compressive Strength, Add</i>	3.06	
		<i>For 115 PSI Compressive Strength, Add</i>	13.47	
07 21 13 13-0024	SF	4" Thick, R20.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied.....	6.75	0.47
		<i>For Horizontal Surface Application, Deduct</i>	-0.08	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For 25 PSI Compressive Strength, Add</i>	0.95	
		<i>For 40 PSI Compressive Strength, Add</i>	2.26	
		<i>For 60 PSI Compressive Strength, Add</i>	3.50	
		<i>For 115 PSI Compressive Strength, Add</i>	15.40	

07 21 13 13-0025 Mechanically Fastened Foam Board Insulation (07 21 13 13)

Note: Mechanically fastened to wood or steel.

07 21 13 13-0026 Mechanically Fastened, Foam Glass (Cellular Glass), Foam Board Insulation (07 21 13 13-0025)

Note: Mechanically fastened to wood or steel.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0027	SF	1" Thick, R3.44, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened	4.25	0.44
		For Horizontal Surface Application, Deduct	-0.09	
		For Vapor Barrier, Integral With Insulation, Add	0.05	
		For Mechanically Fastened To Concrete, Add	1.71	
		For Mechanically Fastened To Gypsum, Add	2.22	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.76	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.29	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.73	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.14	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.46	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.11	
07 21 13 13-0028	SF	1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened	6.07	0.45
		For Horizontal Surface Application, Deduct	-0.09	
		For Vapor Barrier, Integral With Insulation, Add	0.05	
		For Mechanically Fastened To Concrete, Add	1.76	
		For Mechanically Fastened To Gypsum, Add	2.16	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.95	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.36	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.73	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.40	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.51	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.11	
07 21 13 13-0029	SF	2" Thick, R6.88, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened	7.23	0.45
		For Horizontal Surface Application, Deduct	-0.09	
		For Vapor Barrier, Integral With Insulation, Add	0.05	
		For Mechanically Fastened To Concrete, Add	1.76	
		For Mechanically Fastened To Gypsum, Add	2.16	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.95	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.36	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.76	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.40	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.51	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.15	
07 21 13 13-0030	SF	2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened	9.62	0.46
		For Horizontal Surface Application, Deduct	-0.09	
		For Vapor Barrier, Integral With Insulation, Add	0.05	
		For Mechanically Fastened To Concrete, Add	1.82	
		For Mechanically Fastened To Gypsum, Add	2.26	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.07	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.51	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.95	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.61	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.76	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.42	
07 21 13 13-0031		Mechanically Fastened, Expanded Polystyrene, Foam Board Insulation (07 21 13 13-0025)		
07 21 13 13-0032	SF	3/8" Thick, R1.44, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	1.85	0.44
		For Horizontal Surface Application, Deduct	-0.09	
		For Vapor Barrier, Integral With Insulation, Add	0.05	
		For Mechanically Fastened To Concrete, Add	1.71	
		For Mechanically Fastened To Gypsum, Add	2.22	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.76	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.29	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.73	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.14	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.46	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.11	
07 21 13 13-0033	SF	1/2" Thick, R1.93, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	1.92	0.44
		For Horizontal Surface Application, Deduct	-0.09	
		For Vapor Barrier, Integral With Insulation, Add	0.05	
		For Mechanically Fastened To Concrete, Add	1.71	
		For Mechanically Fastened To Gypsum, Add	2.22	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.76	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.29	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.73	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.14	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.46	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.11	
07 21 13 13-0034	SF	3/4" Thick, R2.89, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	2.20	0.44
		For Horizontal Surface Application, Deduct	-0.09	
		For Vapor Barrier, Integral With Insulation, Add	0.05	
		For Mechanically Fastened To Concrete, Add	1.71	
		For Mechanically Fastened To Gypsum, Add	2.22	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.76	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.29	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.73	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.14	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.46	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.11	
07 21 13 13-0035	SF	1" Thick, R3.85, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	2.48	0.44
		For Horizontal Surface Application, Deduct	-0.09	
		For Vapor Barrier, Integral With Insulation, Add	0.05	
		For Mechanically Fastened To Concrete, Add	1.71	
		For Mechanically Fastened To Gypsum, Add	2.22	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.76	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.29	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.73	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.14	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.46	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.11	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 21 Thermal Insulation**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 21 13 13-0036	SF 2" Thick, R7.70, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	3.71	0.45
	For Horizontal Surface Application, Deduct	-0.09	
	For Vapor Barrier, Integral With Insulation, Add	0.05	
	For Mechanically Fastened To Concrete, Add	1.76	
	For Mechanically Fastened To Gypsum, Add	2.16	
	For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.95	
	For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.36	
	For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.76	
	For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.40	
	For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.51	
	For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.15	
07 21 13 13-0037	SF 3" Thick, R11.55, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	4.92	0.46
	For Horizontal Surface Application, Deduct	-0.09	
	For Vapor Barrier, Integral With Insulation, Add	0.05	
	For Mechanically Fastened To Concrete, Add	1.82	
	For Mechanically Fastened To Gypsum, Add	2.26	
	For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.07	
	For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.51	
	For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.95	
	For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.61	
	For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.76	
	For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.42	
07 21 13 13-0038	SF 4" Thick, R15.40, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	6.18	0.47
	For Horizontal Surface Application, Deduct	-0.10	
	For Vapor Barrier, Integral With Insulation, Add	0.05	
	For Mechanically Fastened To Concrete, Add	1.87	
	For Mechanically Fastened To Gypsum, Add	2.26	
	For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.26	
	For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.71	
	For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	3.11	
	For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.91	
	For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.08	
	For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.67	
07 21 13 13-0039	SF 5" Thick, R19.25, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	7.49	0.48
	For Horizontal Surface Application, Deduct	-0.10	
	For Vapor Barrier, Integral With Insulation, Add	0.05	
	For Mechanically Fastened To Concrete, Add	1.92	
	For Mechanically Fastened To Gypsum, Add	2.62	
	For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.50	
	For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.95	
	For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	3.26	
	For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	8.60	
	For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.44	
	For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.91	
07 21 13 13-0040	SF 6" Thick, R23.1, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	8.92	0.50
	For Horizontal Surface Application, Deduct	-0.10	
	For Vapor Barrier, Integral With Insulation, Add	0.05	
	For Mechanically Fastened To Concrete, Add	1.97	
	For Mechanically Fastened To Gypsum, Add	2.19	
	For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.84	
	For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.30	
	For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	3.52	
	For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.77	
	For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.96	
	For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	5.28	
07 21 13 13-0041	Mechanically Fastened, Extruded Polystyrene, Foam Board Insulation (07 21 13 13-0025)		
	Note: 15 PSI compressive strength. Mechanically fastened to wood or steel.		
07 21 13 13-0042	SF 3/8" Thick, R1.9, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	2.07	0.44
	For Horizontal Surface Application, Deduct	-0.09	
	For Vapor Barrier, Integral With Insulation, Add	0.05	
	For 25 PSI Compressive Strength, Add	0.19	
	For 40 PSI Compressive Strength, Add	0.46	
	For 60 PSI Compressive Strength, Add	0.74	
	For 115 PSI Compressive Strength, Add	3.17	
	For Mechanically Fastened To Concrete, Add	1.71	
	For Mechanically Fastened To Gypsum, Add	2.22	
	For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.76	
	For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.29	
	For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.73	
	For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.14	
	For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.46	
	For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.11	
07 21 13 13-0043	SF 1/2" Thick, R2.5, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	2.43	0.44
	For Horizontal Surface Application, Deduct	-0.09	
	For Vapor Barrier, Integral With Insulation, Add	0.05	
	For 25 PSI Compressive Strength, Add	0.25	
	For 40 PSI Compressive Strength, Add	0.59	
	For 60 PSI Compressive Strength, Add	0.95	
	For 115 PSI Compressive Strength, Add	4.10	
	For Mechanically Fastened To Concrete, Add	1.71	
	For Mechanically Fastened To Gypsum, Add	2.22	
	For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.76	
	For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.29	
	For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.73	
	For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.14	
	For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.46	
	For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.11	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0044	SF	3/4" Thick, R3.7, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened.....	2.72	0.44
		For Horizontal Surface Application, Deduct	-0.09	
		For Vapor Barrier, Integral With Insulation, Add	0.05	
		For 25 PSI Compressive Strength, Add	0.30	
		For 40 PSI Compressive Strength, Add	0.70	
		For 60 PSI Compressive Strength, Add	1.12	
		For 115 PSI Compressive Strength, Add	4.84	
		For Mechanically Fastened To Concrete, Add	1.71	
		For Mechanically Fastened To Gypsum, Add	2.22	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.76	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.29	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.73	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.14	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.46	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.11	
07 21 13 13-0045	SF	1" Thick, R5.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened.....	2.88	0.44
		For Horizontal Surface Application, Deduct	-0.09	
		For Vapor Barrier, Integral With Insulation, Add	0.05	
		For 25 PSI Compressive Strength, Add	0.32	
		For 40 PSI Compressive Strength, Add	0.76	
		For 60 PSI Compressive Strength, Add	1.20	
		For 115 PSI Compressive Strength, Add	5.23	
		For Mechanically Fastened To Concrete, Add	1.71	
		For Mechanically Fastened To Gypsum, Add	2.22	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.76	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.29	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.73	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.14	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.46	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.11	
07 21 13 13-0046	SF	2" Thick, R10.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened.....	4.51	0.45
		For Horizontal Surface Application, Deduct	-0.09	
		For Vapor Barrier, Integral With Insulation, Add	0.05	
		For 25 PSI Compressive Strength, Add	0.57	
		For 40 PSI Compressive Strength, Add	1.36	
		For 60 PSI Compressive Strength, Add	2.13	
		For 115 PSI Compressive Strength, Add	9.32	
		For Mechanically Fastened To Concrete, Add	1.76	
		For Mechanically Fastened To Gypsum, Add	2.16	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.95	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.36	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.76	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.40	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.51	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.15	
07 21 13 13-0047	SF	3" Thick, R15.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened.....	6.12	0.46
		For Horizontal Surface Application, Deduct	-0.09	
		For Vapor Barrier, Integral With Insulation, Add	0.05	
		For 25 PSI Compressive Strength, Add	0.83	
		For 40 PSI Compressive Strength, Add	1.97	
		For 60 PSI Compressive Strength, Add	3.05	
		For 115 PSI Compressive Strength, Add	13.41	
		For Mechanically Fastened To Concrete, Add	1.82	
		For Mechanically Fastened To Gypsum, Add	2.26	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.07	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.51	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.95	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.61	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.76	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.42	
07 21 13 13-0048	SF	4" Thick, R20.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened.....	7.04	0.47
		For Horizontal Surface Application, Deduct	-0.10	
		For Vapor Barrier, Integral With Insulation, Add	0.05	
		For 25 PSI Compressive Strength, Add	0.97	
		For 40 PSI Compressive Strength, Add	2.31	
		For 60 PSI Compressive Strength, Add	3.58	
		For 115 PSI Compressive Strength, Add	15.75	
		For Mechanically Fastened To Concrete, Add	1.87	
		For Mechanically Fastened To Gypsum, Add	2.26	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.26	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.71	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	3.11	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.91	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.08	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.67	

07 21 13 16 Fibrous Board Insulation (07 21 13)

07 21 13 16-0001 Cold Adhesive Applied Fibrous Board Insulation (07 21 13 16)

07 21 13 16-0002 Cold Adhesive Applied, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation (07 21 13 16-0001)

07 21 13 16-0003	SF	1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Cold Adhesive Applied	2.77	0.55
		For Horizontal Surface Application, Deduct	-0.09	
		For Vapor Barrier, Integral With Insulation, Add	0.05	
		For Factory Painted On One Surface Add	0.17	
07 21 13 16-0004	SF	2" Thick, R5.2, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Cold Adhesive Applied	4.07	0.66
		For Horizontal Surface Application, Deduct	-0.11	
		For Vapor Barrier, Integral With Insulation, Add	0.05	
		For Factory Painted On One Surface Add	0.17	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 21 Thermal Insulation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 21 13 16-0005	SF	3" Thick, R7.8, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Cold Adhesive Applied	5.38	0.77
		<i>For Horizontal Surface Application, Deduct</i>	-0.13	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For Factory Painted On One Surface Add</i>	0.17	

07 21 13 16-0006 Cold Adhesive Applied, Fiberglass, Fibrous Board Insulation (07 21 13 16-0001)

07 21 13 16-0007	SF	1" Thick, R4.2, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	4.98	0.44
		<i>For Horizontal Surface Application, Deduct</i>	-0.07	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 16-0008	SF	1-1/2" Thick, R6.0, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	5.88	0.45
		<i>For Horizontal Surface Application, Deduct</i>	-0.07	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 16-0009	SF	2" Thick, R8.0, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	7.27	0.45
		<i>For Horizontal Surface Application, Deduct</i>	-0.08	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 16-0010	SF	2-1/2" Thick, R10.0, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	8.39	0.45
		<i>For Horizontal Surface Application, Deduct</i>	-0.08	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 16-0011	SF	3" Thick, R12.4, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	9.51	0.46
		<i>For Horizontal Surface Application, Deduct</i>	-0.08	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For Factory Painted On One Surface Add</i>	0.17	

07 21 13 16-0012 Mechanically Fastened Fibrous Board Insulation (07 21 13 16)

Note: Mechanically fastened to wood or steel.

07 21 13 16-0013 Mechanically Fastened, Wood Fiber (Cellulosic-Fiber), Fibrous Board

Insulation (07 21 13 16-0012)

Note: Mechanically fastened to wood or steel.

07 21 13 16-0014	SF	1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Mechanically Fastened	2.56	0.55
		<i>For Horizontal Surface Application, Deduct</i>	-0.09	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For Factory Painted On One Surface Add</i>	0.17	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.71	
		<i>For Mechanically Fastened To Gypsum, Add</i>	2.22	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.76	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.29	
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.73	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.14	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.46	
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.11	
07 21 13 16-0015	SF	2" Thick, R5.2, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Mechanically Fastened	3.95	0.66
		<i>For Horizontal Surface Application, Deduct</i>	-0.11	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For Factory Painted On One Surface Add</i>	0.17	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.76	
		<i>For Mechanically Fastened To Gypsum, Add</i>	2.16	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.95	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.36	
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.76	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.40	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.51	
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.15	
07 21 13 16-0016	SF	3" Thick, R7.8, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Mechanically Fastened	5.35	0.77
		<i>For Horizontal Surface Application, Deduct</i>	-0.13	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For Factory Painted On One Surface Add</i>	0.17	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.82	
		<i>For Mechanically Fastened To Gypsum, Add</i>	2.26	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.07	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.51	
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.95	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.61	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.76	
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.42	

07 21 13 16-0017 Mechanically Fastened, Fiberglass, Fibrous Board Insulation (07 21 13 16-0012)

Note: Mechanically fastened to wood or steel.

07 21 13 16-0018	SF	1" Thick, R4.2, Fiberglass, Fibrous Board Insulation, Mechanically Fastened	4.91	0.44
		<i>For Horizontal Surface Application, Deduct</i>	-0.09	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For Factory Painted On One Surface Add</i>	0.17	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.71	
		<i>For Mechanically Fastened To Gypsum, Add</i>	2.22	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.76	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.29	
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.73	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.14	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.46	
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.11	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 16-0019	SF	1-1/2" Thick, R6.0, Fiberglass, Fibrous Board Insulation, Mechanically Fastened	5.92	0.45
		For Horizontal Surface Application, Deduct	-0.09	
		For Vapor Barrier, Integral With Insulation, Add	0.05	
		For Factory Painted On One Surface Add	0.17	
		For Mechanically Fastened To Concrete, Add	1.76	
		For Mechanically Fastened To Gypsum, Add	2.16	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.95	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.36	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.73	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.40	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.51	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.11	
07 21 13 16-0020	SF	2" Thick, R8.0, Fiberglass, Fibrous Board Insulation, Mechanically Fastened.....	7.31	0.45
		For Horizontal Surface Application, Deduct	-0.09	
		For Vapor Barrier, Integral With Insulation, Add	0.05	
		For Factory Painted On One Surface Add	0.17	
		For Mechanically Fastened To Concrete, Add	1.76	
		For Mechanically Fastened To Gypsum, Add	2.16	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.95	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.36	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.76	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.40	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.51	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.15	
07 21 13 16-0021	SF	2-1/2" Thick, R10.0, Fiberglass, Fibrous Board Insulation, Mechanically Fastened	8.54	0.45
		For Horizontal Surface Application, Deduct	-0.09	
		For Vapor Barrier, Integral With Insulation, Add	0.05	
		For Factory Painted On One Surface Add	0.17	
		For Mechanically Fastened To Concrete, Add	1.82	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.07	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.51	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.61	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.76	
		For Mechanically Fastened To Gypsum, Add	2.20	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.89	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.33	
07 21 13 16-0022	SF	3" Thick, R12.4, Fiberglass, Fibrous Board Insulation, Mechanically Fastened.....	9.65	0.46
		For Horizontal Surface Application, Deduct	-0.09	
		For Vapor Barrier, Integral With Insulation, Add	0.05	
		For Factory Painted On One Surface Add	0.17	
		For Mechanically Fastened To Concrete, Add	1.82	
		For Mechanically Fastened To Gypsum, Add	2.26	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.07	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.51	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.95	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.61	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.76	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.42	
07 21 13 19 Mineral Board Insulation (07 21 13)				
07 21 13 19-0001		Cold Adhesive Applied Mineral Board Insulation (07 21 13 19)		
07 21 13 19-0002		Cold Adhesive Applied, High-Density Fiberboard, Mineral Board Insulation (07 21 13 19-0001)		
07 21 13 19-0003	SF	1/2" Thick, R1.3, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	2.10	0.50
		For Horizontal Surface Application, Deduct	-0.08	
		For Vapor Barrier, Integral With Insulation, Add	0.05	
		For Factory Painted On One Surface Add	0.17	
07 21 13 19-0004	SF	25/32" Thick, R1.9, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	2.49	0.52
		For Horizontal Surface Application, Deduct	-0.09	
		For Vapor Barrier, Integral With Insulation, Add	0.05	
		For Factory Painted On One Surface Add	0.17	
07 21 13 19-0005	SF	1" Thick, R2.5, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	2.90	0.55
		For Horizontal Surface Application, Deduct	-0.09	
		For Vapor Barrier, Integral With Insulation, Add	0.05	
		For Factory Painted On One Surface Add	0.17	
07 21 13 19-0006	SF	1-1/2" Thick, R3.8, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	3.62	0.61
		For Horizontal Surface Application, Deduct	-0.10	
		For Vapor Barrier, Integral With Insulation, Add	0.05	
		For Factory Painted On One Surface Add	0.17	
07 21 13 19-0007	SF	2" Thick, R5.0, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	4.34	0.66
		For Horizontal Surface Application, Deduct	-0.11	
		For Vapor Barrier, Integral With Insulation, Add	0.05	
		For Factory Painted On One Surface Add	0.17	
07 21 13 19-0008	SF	3" Thick, R7.5, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	5.79	0.77
		For Horizontal Surface Application, Deduct	-0.13	
		For Vapor Barrier, Integral With Insulation, Add	0.05	
		For Factory Painted On One Surface Add	0.17	
07 21 13 19-0009		Mechanically Fastened Mineral Board Insulation (07 21 13 19) Note: Mechanically fastened to wood or steel.		
07 21 13 19-0010		Mechanically Fastened, High-Density Fiberboard, Mineral Board Insulation (07 21 13 19-0009) Note: Mechanically fastened to wood or steel.		

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 21 Thermal Insulation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 21 13 19-0011	SF 1/2" Thick, R1.3, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened.....	1.88	0.50
	For Horizontal Surface Application, Deduct	-0.08	
	For Vapor Barrier, Integral With Insulation, Add	0.05	
	For Factory Painted On One Surface Add	0.17	
	For Mechanically Fastened To Concrete, Add	1.71	
	For Mechanically Fastened To Gypsum, Add	2.22	
	For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.76	
	For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.29	
	For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.73	
	For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.14	
	For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.46	
	For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.11	
07 21 13 19-0012	SF 25/32" Thick, R1.9, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened.....	2.28	0.52
	For Horizontal Surface Application, Deduct	-0.09	
	For Vapor Barrier, Integral With Insulation, Add	0.05	
	For Factory Painted On One Surface Add	0.17	
	For Mechanically Fastened To Concrete, Add	1.71	
	For Mechanically Fastened To Gypsum, Add	2.22	
	For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.76	
	For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.29	
	For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.73	
	For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.14	
	For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.46	
	For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.11	
07 21 13 19-0013	SF 1" Thick, R2.5, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened.....	2.69	0.55
	For Horizontal Surface Application, Deduct	-0.09	
	For Vapor Barrier, Integral With Insulation, Add	0.05	
	For Factory Painted On One Surface Add	0.17	
	For Mechanically Fastened To Concrete, Add	1.71	
	For Mechanically Fastened To Gypsum, Add	2.22	
	For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.76	
	For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.29	
	For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.73	
	For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.14	
	For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.46	
	For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.11	
07 21 13 19-0014	SF 1-1/2" Thick, R3.8, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened.....	3.50	0.61
	For Horizontal Surface Application, Deduct	-0.10	
	For Vapor Barrier, Integral With Insulation, Add	0.05	
	For Factory Painted On One Surface Add	0.17	
	For Mechanically Fastened To Concrete, Add	1.76	
	For Mechanically Fastened To Gypsum, Add	2.16	
	For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.95	
	For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.36	
	For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.73	
	For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.40	
	For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.51	
	For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.11	
07 21 13 19-0015	SF 2" Thick, R5.0, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened.....	4.22	0.66
	For Horizontal Surface Application, Deduct	-0.11	
	For Vapor Barrier, Integral With Insulation, Add	0.05	
	For Factory Painted On One Surface Add	0.17	
	For Mechanically Fastened To Concrete, Add	1.76	
	For Mechanically Fastened To Gypsum, Add	2.16	
	For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.95	
	For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.36	
	For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.76	
	For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.40	
	For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.51	
	For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.15	
07 21 13 19-0016	SF 3" Thick, R7.5, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened.....	5.76	0.77
	For Horizontal Surface Application, Deduct	-0.13	
	For Vapor Barrier, Integral With Insulation, Add	0.05	
	For Factory Painted On One Surface Add	0.17	
	For Mechanically Fastened To Concrete, Add	1.82	
	For Mechanically Fastened To Gypsum, Add	2.26	
	For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.07	
	For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.51	
	For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.95	
	For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.61	
	For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.76	
	For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.42	

07 21 16 Blanket Insulation (07 21)

Note: All insulation rolls or batts applied to wood or steel studs or between rafters or between metal building "skin" and framing.

07 21 16 00-0001 Fiberglass Flexible Insulation (07 21 16)

Note: Rolls or batts.

07 21 16 00-0002 Kraft Faced, Fiberglass Flexible Insulation (07 21 16 00-0001)

07 21 16 00-0003	SF 3-1/2" Thick, Kraft Faced, R-11 Fiberglass Flexible Insulation.....	1.52	0.50
	For >1,600, Deduct	-0.16	
07 21 16 00-0004	SF 3-1/2" Thick, Kraft Faced, R-13 Fiberglass Flexible Insulation.....	1.63	0.50
	For >1,600, Deduct	-0.18	
07 21 16 00-0005	SF 3-1/2" Thick, Kraft Faced, R-15 Fiberglass Flexible Insulation.....	1.67	0.50
	For >1,600, Deduct	-0.19	
07 21 16 00-0006	SF 5-1/2" Thick, Kraft Faced, R-21 Fiberglass Flexible Insulation.....	2.18	0.50
	For >1,600, Deduct	-0.28	
07 21 16 00-0007	SF 6-1/4" Thick, Kraft Faced, R-19 Fiberglass Flexible Insulation.....	1.88	0.50
	For >1,600, Deduct	-0.21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 16 00-0008	SF		9-1/2" Thick, Kraft Faced, R-30 Fiberglass Flexible Insulation	2.57	0.63
			For >1,600, Deduct	-0.33	
07 21 16 00-0009	SF		12" Thick, Kraft Faced, R-38 Fiberglass Flexible Insulation.....	2.91	0.63
			For >1,600, Deduct	-0.37	
07 21 16 00-0010 Unfaced, Fiberglass Flexible Insulation (07 21 16 00-0001)					
07 21 16 00-0011	SF		3-1/2" Thick, Unfaced, R-11 Fiberglass Flexible Insulation.....	1.45	0.50
			For >1,600, Deduct	-0.14	
07 21 16 00-0012	SF		3-1/2" Thick, Unfaced, R-13 Fiberglass Flexible Insulation.....	1.58	0.50
			For >1,600, Deduct	-0.17	
07 21 16 00-0013	SF		3-1/2" Thick, Unfaced, R-15 Fiberglass Flexible Insulation.....	1.95	0.50
			For >1,600, Deduct	-0.24	
07 21 16 00-0014	SF		5-1/2" Thick, Unfaced, R-21 Fiberglass Flexible Insulation.....	2.10	0.50
			For >1,600, Deduct	-0.27	
07 21 16 00-0015	SF		6-1/4" Thick, Unfaced, R-19 Fiberglass Flexible Insulation.....	2.18	0.50
			For >1,600, Deduct	-0.27	
07 21 16 00-0016	SF		9-1/2" Thick, Unfaced, R-30 Fiberglass Flexible Insulation.....	2.42	0.63
			For >1,600, Deduct	-0.30	
07 21 16 00-0017	SF		12" Thick, Unfaced, R-38 Fiberglass Flexible Insulation	2.82	0.63
			For >1,600, Deduct	-0.35	
07 21 16 00-0018 Foil Faced, Fiberglass Flexible Insulation (07 21 16 00-0001)					
07 21 16 00-0019	SF		3-1/2" Thick, Foil Faced, R-11 Fiberglass Flexible Insulation	1.72	0.50
			For >1,600, Deduct	-0.20	
07 21 16 00-0020	SF		3-1/2" Thick, Foil Faced, R-13 Fiberglass Flexible Insulation	1.90	0.50
			For >1,600, Deduct	-0.23	
07 21 16 00-0021	SF		6-1/4" Thick, Foil Faced, R-19 Fiberglass Flexible Insulation	2.13	0.50
			For >1,600, Deduct	-0.26	
07 21 16 00-0022	SF		10-1/4" Thick, Foil Faced, R-38 Fiberglass Flexible Insulation	2.98	0.63
			For >1,600, Deduct	-0.39	
07 21 16 00-0023	SF		12" Thick, Foil Faced, R-38 Fiberglass Flexible Insulation	3.25	0.63
			For >1,600, Deduct	-0.44	
07 21 16 00-0024 Poly-Encapsulated, Fiberglass Flexible Insulation (07 21 16 00-0001)					
07 21 16 00-0025	SF		3-1/2" Thick, Poly-Encapsulated, R-11 Fiberglass Flexible Insulation	1.56	0.50
			For >1,600, Deduct	-0.16	
07 21 16 00-0026	SF		3-1/2" Thick, Poly-Encapsulated, R-13 Fiberglass Flexible Insulation	1.67	0.50
			For >1,600, Deduct	-0.19	
07 21 16 00-0027	SF		5-1/2" Thick, Poly-Encapsulated, R-21 Fiberglass Flexible Insulation	2.24	0.50
			For >1,600, Deduct	-0.29	
07 21 16 00-0028	SF		6-1/2" Thick, Poly-Encapsulated, R-19 Fiberglass Flexible Insulation	1.90	0.50
			For >1,600, Deduct	-0.22	
07 21 16 00-0029	SF		8-1/4" Thick, Poly-Encapsulated, R-25 Fiberglass Flexible Insulation	2.49	0.63
			For >1,600, Deduct	-0.33	
07 21 16 00-0030	SF		10-1/4" Thick, Poly-Encapsulated, R-30 Fiberglass Flexible Insulation	2.82	0.63
			For >1,600, Deduct	-0.35	
07 21 16 00-0031 Mineral Wool Flexible Insulation (07 21 16)					
07 21 16 00-0032 Kraft Faced, Mineral Wool Flexible Insulation (07 21 16 00-0031)					
07 21 16 00-0033	SF		3-1/2" Kraft Faced, R-11 Mineral Wool Flexible Insulation.....	1.69	0.50
			For >1,600, Deduct	-0.19	
07 21 16 00-0034	SF		6-1/4" Kraft Faced, R-19 Mineral Wool Flexible Insulation.....	2.21	0.50
			For >1,600, Deduct	-0.28	
07 21 16 00-0035	SF		9-1/2" Kraft Faced, R-30 Mineral Wool Flexible Insulation.....	3.37	0.50
			For >1,600, Deduct	-0.49	
07 21 16 00-0036	SF		12" Kraft Faced, R-38 Mineral Wool Flexible Insulation.....	3.99	0.50
			For >1,600, Deduct	-0.59	
07 21 16 00-0037 Unfaced, Mineral Wool Flexible Insulation (07 21 16 00-0031)					
07 21 16 00-0038	SF		3-1/2" Unfaced, R-11 Mineral Wool Flexible Insulation.....	1.58	0.50
			For >1,600, Deduct	-0.17	
07 21 16 00-0039	SF		6-1/4" Unfaced, R-19 Mineral Wool Flexible Insulation.....	2.04	0.50
			For >1,600, Deduct	-0.25	
07 21 16 00-0040	SF		9-1/2" Unfaced, R-30 Mineral Wool Flexible Insulation.....	3.05	0.50
			For >1,600, Deduct	-0.43	
07 21 16 00-0041	SF		12" Unfaced, R-38 Mineral Wool Flexible Insulation	3.61	0.50
			For >1,600, Deduct	-0.51	
07 21 16 00-0042 Natural Cotton Insulation (07 21 16)					
07 21 16 00-0043 UltraTouch™ Natural Cotton Insulation (07 21 16 00-0042)					
Note: 85% recycled denim cotton.					
07 21 16 00-0044	SF		3-1/2", R-13 UltraTouch™ Natural Cotton Insulation	2.24	0.50
			For >1,600, Deduct	-0.30	
07 21 16 00-0045	SF		5-1/2", R-19 UltraTouch™ Natural Cotton Insulation	2.50	0.50
			For >1,600, Deduct	-0.35	
07 21 16 00-0046	SF		5-1/2", R-21 UltraTouch™ Natural Cotton Insulation	2.77	0.50
			For >1,600, Deduct	-0.40	
07 21 16 00-0047	SF		8", R-30 UltraTouch™ Natural Cotton Insulation	3.65	0.50
			For >1,600, Deduct	-0.56	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 21 Thermal Insulation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
07 21 19 Foamed-In-Place Insulation (07 21)**07 21 19 00-0001 Polyurethane Foam Insulation, Sprayed On (07 21 19)**

07 21 19 00-0002	EA	Foamed-In-Place, Spray Polyurethane Insulation Minimum Charge	1,518.12
		Note: For projects where the total foamed-in-place insulation charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	
07 21 19 00-0003	SF	1" Thick, R3.8, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	1.56
		For Up To 250 SF, Add	0.59
		For >250 To 500 SF, Add	0.29
		For >500 To 1,000 SF, Add	0.12
		For >5,000 To 10,000 SF, Deduct	-0.19
		For >10,000 SF, Deduct	-0.46
07 21 19 00-0004	SF	1-1/2" Thick, R5.7, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	2.12
		For Up To 250 SF, Add	0.77
		For >250 To 500 SF, Add	0.39
		For >500 To 1,000 SF, Add	0.16
		For >5,000 To 10,000 SF, Deduct	-0.25
		For >10,000 SF, Deduct	-0.61
07 21 19 00-0005	SF	2" Thick, R7.6, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	2.67
		For Up To 250 SF, Add	0.95
		For >250 To 500 SF, Add	0.48
		For >500 To 1,000 SF, Add	0.20
		For >5,000 To 10,000 SF, Deduct	-0.30
		For >10,000 SF, Deduct	-0.75
07 21 19 00-0006	SF	2-1/2" Thick, R9.5, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	3.21
		For Up To 250 SF, Add	1.13
		For >250 To 500 SF, Add	0.56
		For >500 To 1,000 SF, Add	0.24
		For >5,000 To 10,000 SF, Deduct	-0.36
		For >10,000 SF, Deduct	-0.89
07 21 19 00-0007	SF	3" Thick, R11.4, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	3.76
		For Up To 250 SF, Add	1.31
		For >250 To 500 SF, Add	0.65
		For >500 To 1,000 SF, Add	0.28
		For >5,000 To 10,000 SF, Deduct	-0.42
		For >10,000 SF, Deduct	-1.03
07 21 19 00-0008	SF	3-1/2" Thick, R13.3, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	4.32
		For Up To 250 SF, Add	1.49
		For >250 To 500 SF, Add	0.75
		For >500 To 1,000 SF, Add	0.32
		For >5,000 To 10,000 SF, Deduct	-0.48
		For >10,000 SF, Deduct	-1.17
07 21 19 00-0009	SF	4" Thick, R15.2, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	4.87
		For Up To 250 SF, Add	1.67
		For >250 To 500 SF, Add	0.84
		For >500 To 1,000 SF, Add	0.36
		For >5,000 To 10,000 SF, Deduct	-0.54
		For >10,000 SF, Deduct	-1.31
07 21 19 00-0010	SF	4-1/2" Thick, R17.1, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	5.42
		For Up To 250 SF, Add	1.85
		For >250 To 500 SF, Add	0.92
		For >500 To 1,000 SF, Add	0.40
		For >5,000 To 10,000 SF, Deduct	-0.60
		For >10,000 SF, Deduct	-1.45
07 21 19 00-0011	SF	5" Thick, R19.0, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	5.97
		For Up To 250 SF, Add	2.03
		For >250 To 500 SF, Add	1.01
		For >500 To 1,000 SF, Add	0.44
		For >5,000 To 10,000 SF, Deduct	-0.66
		For >10,000 SF, Deduct	-1.59
07 21 19 00-0012	SF	5-1/2" Thick, R20.9, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	6.53
		For Up To 250 SF, Add	2.21
		For >250 To 500 SF, Add	1.11
		For >500 To 1,000 SF, Add	0.48
		For >5,000 To 10,000 SF, Deduct	-0.72
		For >10,000 SF, Deduct	-1.73
07 21 19 00-0013	SF	6" Thick, R22.8, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	7.08
		For Up To 250 SF, Add	2.39
		For >250 To 500 SF, Add	1.20
		For >500 To 1,000 SF, Add	0.52
		For >5,000 To 10,000 SF, Deduct	-0.77
		For >10,000 SF, Deduct	-1.87
07 21 19 00-0014	SF	1" Thick, R6.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	3.02
		For Up To 250 SF, Add	1.13
		For >250 To 500 SF, Add	0.56
		For >500 To 1,000 SF, Add	0.24
		For >5,000 To 10,000 SF, Deduct	-0.36
		For >10,000 SF, Deduct	-0.89
07 21 19 00-0015	SF	1-1/2" Thick, R9.75, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	4.00
		For Up To 250 SF, Add	1.43
		For >250 To 500 SF, Add	0.71
		For >500 To 1,000 SF, Add	0.30
		For >5,000 To 10,000 SF, Deduct	-0.46
		For >10,000 SF, Deduct	-1.12

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 19 00-0016	SF		2" Thick, R13.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	4.87	
			For Up To 250 SF, Add	1.67	
			For >250 To 500 SF, Add	0.84	
			For >500 To 1,000 SF, Add	0.36	
			For >5,000 To 10,000 SF, Deduct	-0.54	
			For >10,000 SF, Deduct	-1.31	
07 21 19 00-0017	SF		2-1/2" Thick, R16.25, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	5.85	
			For Up To 250 SF, Add	1.97	
			For >250 To 500 SF, Add	0.98	
			For >500 To 1,000 SF, Add	0.43	
			For >5,000 To 10,000 SF, Deduct	-0.64	
			For >10,000 SF, Deduct	-1.54	
07 21 19 00-0018	SF		3" Thick, R19.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	6.72	
			For Up To 250 SF, Add	2.21	
			For >250 To 500 SF, Add	1.11	
			For >500 To 1,000 SF, Add	0.48	
			For >5,000 To 10,000 SF, Deduct	-0.72	
			For >10,000 SF, Deduct	-1.73	
07 21 19 00-0019	SF		3-1/2" Thick, R22.75, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	7.72	
			For Up To 250 SF, Add	2.52	
			For >250 To 500 SF, Add	1.26	
			For >500 To 1,000 SF, Add	0.55	
			For >5,000 To 10,000 SF, Deduct	-0.82	
			For >10,000 SF, Deduct	-1.97	
07 21 19 00-0020	SF		4" Thick, R26.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	8.58	
			For Up To 250 SF, Add	2.76	
			For >250 To 500 SF, Add	1.38	
			For >500 To 1,000 SF, Add	0.60	
			For >5,000 To 10,000 SF, Deduct	-0.90	
			For >10,000 SF, Deduct	-2.16	
07 21 19 00-0021	SF		4-1/2" Thick, R29.25, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	9.56	
			For Up To 250 SF, Add	3.06	
			For >250 To 500 SF, Add	1.53	
			For >500 To 1,000 SF, Add	0.67	
			For >5,000 To 10,000 SF, Deduct	-1.00	
			For >10,000 SF, Deduct	-2.39	
07 21 19 00-0022	SF		5" Thick, R32.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	10.44	
			For Up To 250 SF, Add	3.31	
			For >250 To 500 SF, Add	1.65	
			For >500 To 1,000 SF, Add	0.73	
			For >5,000 To 10,000 SF, Deduct	-1.09	
			For >10,000 SF, Deduct	-2.58	
07 21 19 00-0023	SF		5-1/2" Thick, R35.75, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	11.42	
			For Up To 250 SF, Add	3.60	
			For >250 To 500 SF, Add	1.80	
			For >500 To 1,000 SF, Add	0.79	
			For >5,000 To 10,000 SF, Deduct	-1.19	
			For >10,000 SF, Deduct	-2.81	
07 21 19 00-0024	SF		6" Thick, R39.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	12.29	
			For Up To 250 SF, Add	3.85	
			For >250 To 500 SF, Add	1.92	
			For >500 To 1,000 SF, Add	0.85	
			For >5,000 To 10,000 SF, Deduct	-1.27	
			For >10,000 SF, Deduct	-3.00	
07 21 19 00-0025			Expanding Foam Insulation To Fill Hollow Metal Door Frames (07 21 19)		
07 21 19 00-0026	LF		Expanding Foam Insulation To Fill 4-3/4" Deep Hollow Metal Door Frame	5.35	
07 21 19 00-0027	LF		Expanding Foam Insulation To Fill 5-3/4" Deep Hollow Metal Door Frame	6.68	
07 21 19 00-0028	LF		Expanding Foam Insulation To Fill 6-3/4" Deep Hollow Metal Door Frame	8.02	
07 21 19 00-0029	LF		Expanding Foam Insulation To Fill 6-3/4" Through 8-3/4" Deep Hollow Metal Door Frame	9.40	
07 21 19 00-0030	LF		Expanding Foam Insulation To Fill 8-7/8" Through 13" Deep Hollow Metal Door Frame.....	10.88	
07 21 19 00-0031			Expanding Foam Insulation To Fill Window Frames (07 21 19)		
07 21 19 00-0032	LF		Expanding Foam Insulation To Fill Window Frame.....	5.24	
07 21 23			Loose-Fill Insulation (07 21)		
07 21 23 00-0001			Poured Type, Loose Fill Insulation (07 21 23)		
07 21 23 00-0002	CF		R-4/Inch, Poured Type, Fiberglass Loose Fill Insulation.....	7.50	2.90
07 21 23 00-0003	CF		R-3.8/Inch, Poured Type, Cellulose Loose Fill Insulation	7.77	2.90
07 21 23 00-0004			Concrete Block Wall Cavity Insulation (07 21 23)		
07 21 23 00-0005	CF		R-2.7, Vermiculite Or Perlite, Concrete Block Wall Cavity Insulation.....	9.79	2.90
07 21 23 00-0006	CF		R-4, Polystyrene Foam, Concrete Block Wall Cavity Insulation.....	9.71	2.90
07 21 26			Blown Insulation (07 21)		
07 21 26 00-0001			Fiberglass Blown-In Insulation (07 21 26)		
07 21 26 00-0002			Attic, Fiberglass Blown-In Insulation (07 21 26 00-0001)		
07 21 26 00-0003	SF		4-1/2" Thick, R-11 Attic, Fiberglass Blown In Insulation.....	1.56	1.24
07 21 26 00-0004	SF		5-1/4" Thick, R-13 Attic, Fiberglass Blown In Insulation.....	1.74	1.36
07 21 26 00-0005	SF		6-1/2" Thick, R-17 Attic, Fiberglass Blown In Insulation.....	1.94	1.49
07 21 26 00-0006	SF		7-1/2" Thick, R-19 Attic, Fiberglass Blown In Insulation.....	2.16	1.61

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 21 Thermal Insulation**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 21 26 00-0007	SF	8-1/2" Thick, R-22 Attic, Fiberglass Blown In Insulation.....	2.29	1.66
07 21 26 00-0008	SF	10-1/4" Thick, R-26 Attic, Fiberglass Blown In Insulation.....	2.49	1.73
07 21 26 00-0009	SF	11-1/2" Thick, R-30 Attic, Fiberglass Blown In Insulation.....	2.68	1.79
07 21 26 00-0010	SF	12-1/2" Thick, R-32 Attic, Fiberglass Blown In Insulation.....	2.81	1.85
07 21 26 00-0011	SF	13-1/2" Thick, R-35 Attic, Fiberglass Blown In Insulation.....	3.03	1.98
07 21 26 00-0012	SF	14-1/2" Thick, R-38 Attic, Fiberglass Blown In Insulation.....	3.18	2.03
07 21 26 00-0013	SF	16-1/2" Thick, R-44 Attic, Fiberglass Blown In Insulation.....	3.44	2.10
07 21 26 00-0014	SF	18-1/2" Thick, R-49 Attic, Fiberglass Blown In Insulation.....	3.73	2.22
07 21 26 00-0015	SF	21-3/4" Thick, R-60 Attic, Fiberglass Blown In Insulation.....	4.33	2.47

07 21 26 00-0016 New Wall, Fiberglass Blown-In Insulation (07 21 26 00-0001)

07 21 26 00-0017	SF	3-1/2" Thick, R-15 New Wall, Fiberglass Blown In Insulation	2.31	1.24
07 21 26 00-0018	SF	5-1/2" Thick, R-23 New Wall, Fiberglass Blown In Insulation	3.10	1.49
07 21 26 00-0019	SF	7-1/4" Thick, R-31 New Wall, Fiberglass Blown In Insulation	3.69	1.61
07 21 26 00-0020	SF	9-1/4" Thick, R-39 New Wall, Fiberglass Blown In Insulation	4.40	1.73

07 21 26 00-0021 Existing Wall, Fiberglass Blown-In Insulation (07 21 26 00-0001)

Note: Includes drilling. Excludes patching.

07 21 26 00-0022	SF	3-1/2" Thick, R-15 Existing Wall, Fiberglass Blown In Insulation	2.21	1.24
07 21 26 00-0023	SF	5-1/2" Thick, R-23 Existing Wall, Fiberglass Blown In Insulation	3.00	1.49
07 21 26 00-0024	SF	7-1/4" Thick, R-31 Existing Wall, Fiberglass Blown In Insulation	3.59	1.61
07 21 26 00-0025	SF	9-1/4" Thick, R-39 Existing Wall, Fiberglass Blown In Insulation	4.30	1.73

07 21 26 00-0026 Cellulose Blown-In Insulation (07 21 26)**07 21 26 00-0027 Attic, Cellulose Blown-In Insulation (07 21 26 00-0026)**

07 21 26 00-0028	SF	3-3/4" Thick, R-13 Attic, Cellulose Blown In Insulation	1.60	1.24
07 21 26 00-0029	SF	5-1/2" Thick, R-19 Attic, Cellulose Blown In Insulation	1.90	1.36
07 21 26 00-0030	SF	6-1/4" Thick, R-22 Attic, Cellulose Blown In Insulation	2.13	1.49
07 21 26 00-0031	SF	7-3/4" Thick, R-28 Attic, Cellulose Blown In Insulation	2.47	1.61
07 21 26 00-0032	SF	8-1/2" Thick, R-30 Attic, Cellulose Blown In Insulation	2.52	1.61
07 21 26 00-0033	SF	10-3/4" Thick, R-38 Attic, Cellulose Blown In Insulation	2.92	1.73
07 21 26 00-0034	SF	11-1/4" Thick, R-40 Attic, Cellulose Blown In Insulation	2.99	1.73
07 21 26 00-0035	SF	12-1/2" Thick, R-45 Attic, Cellulose Blown In Insulation	3.27	1.85
07 21 26 00-0036	SF	13-3/4" Thick, R-50 Attic, Cellulose Blown In Insulation	3.47	1.85
07 21 26 00-0037	SF	15-1/2" Thick, R-55 Attic, Cellulose Blown In Insulation	3.76	1.98
07 21 26 00-0038	SF	16-1/2" Thick, R-60 Attic, Cellulose Blown In Insulation	3.95	1.98

07 21 26 00-0039 New Wall, Cellulose Blown-In Insulation (07 21 26 00-0026)

07 21 26 00-0040	SF	3-1/2" Thick, R-13 New Wall, Cellulose Blown In Insulation	2.10	1.24
07 21 26 00-0041	SF	5-1/2" Thick, R-20 New Wall, Cellulose Blown In Insulation	2.79	1.49
07 21 26 00-0042	SF	7-1/4" Thick, R-27 New Wall, Cellulose Blown In Insulation	3.26	1.61
07 21 26 00-0043	SF	9-1/4" Thick, R-34 New Wall, Cellulose Blown In Insulation	3.85	1.73

07 21 26 00-0044 Existing Wall, Cellulose Blown-In Insulation (07 21 26 00-0026)

Note: Includes drilling. Excludes patching.

07 21 26 00-0045	SF	3-1/2" Thick, R-13 Existing Wall, Cellulose Blown In Insulation	2.00	1.24
07 21 26 00-0046	SF	5-1/2" Thick, R-20 Existing Wall, Cellulose Blown In Insulation	2.68	1.49
07 21 26 00-0047	SF	7-1/4" Thick, R-27 Existing Wall, Cellulose Blown In Insulation	3.16	1.61
07 21 26 00-0048	SF	9-1/4" Thick, R-34 Existing Wall, Cellulose Blown In Insulation	3.74	1.73

07 21 29 Sprayed Insulation (07 21)**07 21 29 00-0001 Fiber Sprayed On Insulation (07 21 29)**

Note: Per each 1" of thickness.

07 21 29 00-0002	SF	1" Thick, R2.7, Spray-on Perlite Insulation	2.49	0.75
07 21 29 00-0003	SF	1" Thick, R3.7, Spray-on Fibrous/Cementitious Insulation	1.82	0.75

07 21 29 00-0004 Cellulose Sprayed On Insulation (07 21 29)

07 21 29 00-0005	SF	1" Thick, Spray-on Cellulose Insulation	3.50	0.75
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07 21 53 Reflective Insulation (07 21)**07 21 53 00-0001 Reflective Barrier Insulation (Foil - Single Bubble - Foil) (07 21 53)**

07 21 53 00-0002	SF	3/16" Nominal Thickness, Reflective Barrier Insulation, With Single Bubble Air Space	1.23	
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07 22 Roof and Deck Insulation (07 20)**07 22 16 Roof Board Insulation (07 22)**

Note: Use these items for specified related installations with systems per CSI section 07 50 00. Items are for single layer of panels attached per FM I-90 requirements. Types are stock sizes set in cold applied adhesive. Apply modifiers for specified alternate attachment.

07 22 16 00-0001 Rigid Board Roofing Insulation (07 22 16)

Note: Use these items for specified related installations with systems per CSI section 07 50 00. Items are for single layer of panels attached per FM I-90 requirements. See CSI section 07 22 16 00-0466 for demolition of insulation board.

MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0002	Cold Adhesive Applied Rigid Board Roofing Insulation (07 22 16 00-0001)		
07 22 16 00-0003	Cold Adhesive Applied, High-Density Fiberboard, Roof Board Insulation (07 22 16 00-0002)		
07 22 16 00-0004	SF 1/2" Thick, R1.3, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied	2.65	
07 22 16 00-0005	SF 25/32" Thick, R1.9, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied	3.09	
07 22 16 00-0006	SF 1" Thick, R2.5, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied	3.51	
07 22 16 00-0007	SF 1-1/2" Thick, R3.8, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied	4.30	
07 22 16 00-0008	SF 2" Thick, R5, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied	5.08	
07 22 16 00-0009	Cold Adhesive Applied, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation (07 22 16 00-0002)		
07 22 16 00-0010	SF 1/2" Thick, R1.3, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Cold Adhesive Applied	2.89	
07 22 16 00-0011	SF 1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Cold Adhesive Applied	3.38	
07 22 16 00-0012	Cold Adhesive Applied, Perlite, Roof Board Insulation (07 22 16 00-0002)		
07 22 16 00-0013	SF 1/2" Thick, R1.32, Perlite, Roof Board Insulation, Cold Adhesive Applied	2.57	
07 22 16 00-0014	SF 1/2" Thick, R1.32, Perlite, Roof Board Insulation, Cold Adhesive Applied	2.57	
07 22 16 00-0015	SF 3/4" Thick, R2.08, Perlite, Roof Board Insulation, Cold Adhesive Applied	2.83	
07 22 16 00-0016	SF 1" Thick, R2.78, Perlite, Roof Board Insulation, Cold Adhesive Applied	3.14	
07 22 16 00-0017	SF 1-1/2" Thick, R4.17, Perlite, Roof Board Insulation, Cold Adhesive Applied	3.88	
07 22 16 00-0018	SF 2" Thick, R5.56, Perlite, Roof Board Insulation, Cold Adhesive Applied	4.37	
07 22 16 00-0019	Cold Adhesive Applied, Basalt Mineral Wool, Roof Board Insulation (07 22 16 00-0002)		
07 22 16 00-0020	SF 1" Thick, R3.5, Basalt Mineral Wool, Roof Board Insulation, Cold Adhesive Applied	3.55	
07 22 16 00-0021	SF 2" Thick, R7.4, Basalt Mineral Wool, Roof Board Insulation, Cold Adhesive Applied	4.74	
07 22 16 00-0022	SF 3" Thick, R11.1, Basalt Mineral Wool, Roof Board Insulation, Cold Adhesive Applied	6.15	
07 22 16 00-0023	Cold Adhesive Applied, Foam Glass (Cellular Glass), Roof Board Insulation (07 22 16 00-0002)		
07 22 16 00-0024	SF 1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied	6.53	
07 22 16 00-0025	SF 2" Thick, R6.88, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied	7.69	
07 22 16 00-0026	SF 2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied	10.00	
07 22 16 00-0027	SF 3-1/2" Thick, R12.04, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied	13.11	
07 22 16 00-0028	Cold Adhesive Applied, Molded Expanded Polystyrene, Roof Board Insulation (07 22 16 00-0002)		
07 22 16 00-0029	SF 3/8" Thick, R1.44, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	2.41	
	For Loose-Laid, Deduct	-1.31	
07 22 16 00-0030	SF 1/2" Thick, R1.93, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	2.48	
	For Loose-Laid, Deduct	-1.31	
07 22 16 00-0031	SF 3/4" Thick, R2.89, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	2.77	
	For Loose-Laid, Deduct	-1.32	
07 22 16 00-0032	SF 1" Thick, R3.85, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	3.05	
	For Loose-Laid, Deduct	-1.32	
07 22 16 00-0033	SF 2" Thick, R7.70, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	4.18	
	For Loose-Laid, Deduct	-1.34	
07 22 16 00-0034	SF 3" Thick, R11.55, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	5.30	
	For Loose-Laid, Deduct	-1.35	
07 22 16 00-0035	SF 4" Thick, R15.40, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	6.43	
	For Loose-Laid, Deduct	-1.37	
07 22 16 00-0036	SF 5" Thick, R19.25, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	7.55	
	For Loose-Laid, Deduct	-1.38	
07 22 16 00-0037	SF 6" Thick, R23.1, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	8.68	
	For Loose-Laid, Deduct	-1.40	
07 22 16 00-0038	Cold Adhesive Applied, Extruded Polystyrene, Roof Board Insulation (07 22 16 00-0002)		
	Note: 15 PSI compressive strength.		
07 22 16 00-0039	SF 3/4" Thick, R3.7, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	3.28	
	For Loose-Laid, Deduct	-1.31	
	For 25 PSI Compressive Strength, Add	0.33	
	For 40 PSI Compressive Strength, Add	0.78	
	For 60 PSI Compressive Strength, Add	1.26	
	For 115 PSI Compressive Strength, Add	5.42	
07 22 16 00-0040	SF 1" Thick, R5.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	3.44	
	For Loose-Laid, Deduct	-1.32	
	For 25 PSI Compressive Strength, Add	0.35	
	For 40 PSI Compressive Strength, Add	0.84	
	For 60 PSI Compressive Strength, Add	1.34	
	For 115 PSI Compressive Strength, Add	5.80	
07 22 16 00-0041	SF 1-1/2" Thick, R7.5, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	4.37	
	For Loose-Laid, Deduct	-1.32	
	For 25 PSI Compressive Strength, Add	0.50	
	For 40 PSI Compressive Strength, Add	1.19	
	For 60 PSI Compressive Strength, Add	1.88	
	For 100 PSI Compressive Strength, Add	2.42	
	For 115 PSI Compressive Strength, Add	8.19	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof and Deck Insulation**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
07 22 16 00-0042	SF 2" Thick, R10.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	4.97		
	For Loose-Laid, Deduct	-1.33		
	For 25 PSI Compressive Strength, Add	0.59		
	For 40 PSI Compressive Strength, Add	1.41		
	For 60 PSI Compressive Strength, Add	2.21		
	For 115 PSI Compressive Strength, Add	9.66		
07 22 16 00-0043	SF 2-1/2" Thick, R12.5, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	6.01		
	For Loose-Laid, Deduct	-1.33		
	For 25 PSI Compressive Strength, Add	0.76		
	For 40 PSI Compressive Strength, Add	1.81		
	For 60 PSI Compressive Strength, Add	2.82		
	For 100 PSI Compressive Strength, Add	3.63		
	For 115 PSI Compressive Strength, Add	12.33		
07 22 16 00-0044	SF 3" Thick, R15.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	6.50		
	For Loose-Laid, Deduct	-1.35		
	For 25 PSI Compressive Strength, Add	0.83		
	For 40 PSI Compressive Strength, Add	1.98		
	For 60 PSI Compressive Strength, Add	3.09		
	For 115 PSI Compressive Strength, Add	13.52		
07 22 16 00-0045	SF 4" Thick, R20.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	7.28		
	For Loose-Laid, Deduct	-1.36		
	For 25 PSI Compressive Strength, Add	0.95		
	For 40 PSI Compressive Strength, Add	2.26		
	For 60 PSI Compressive Strength, Add	3.52		
	For 115 PSI Compressive Strength, Add	15.45		
07 22 16 00-0046 Cold Adhesive Applied, Polyisocyanurate Board Roofing Insulation (07 22 16 00-0002)				
07 22 16 00-0047	SF 3/4" Thick, R4.3, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	2.96		
	For Loose-Laid, Deduct	-1.31		
	For Foil Facer, Add	0.36		
	For 25 PSI Compressive Strength, Add	0.17		
07 22 16 00-0048	SF 1" Thick, R5.7, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	3.07		
	For Loose-Laid, Deduct	-1.32		
	For Foil Facer, Add	0.36		
	For 25 PSI Compressive Strength, Add	0.18		
07 22 16 00-0049	SF 1-1/2" Thick, R8.6, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	3.23		
	For Loose-Laid, Deduct	-1.32		
	For Foil Facer, Add	0.36		
	For 25 PSI Compressive Strength, Add	0.20		
07 22 16 00-0050	SF 2" Thick, R11.4, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	3.67		
	For Loose-Laid, Deduct	-1.33		
	For Foil Facer, Add	0.36		
	For 25 PSI Compressive Strength, Add	0.24		
07 22 16 00-0051	SF 2-1/2" Thick, R14.4, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	4.10		
	For Loose-Laid, Deduct	-1.34		
	For Foil Facer, Add	0.36		
	For 25 PSI Compressive Strength, Add	0.28		
07 22 16 00-0052	SF 3" Thick, R17.4, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	4.55		
	For Loose-Laid, Deduct	-1.35		
	For Foil Facer, Add	0.36		
	For 25 PSI Compressive Strength, Add	0.33		
07 22 16 00-0053	SF 3-1/2" Thick, R20.5, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	5.02		
	For Loose-Laid, Deduct	-1.35		
	For Foil Facer, Add	0.36		
	For 25 PSI Compressive Strength, Add	0.37		
07 22 16 00-0054	SF 4" Thick, R23.6, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	5.45		
	For Loose-Laid, Deduct	-1.36		
	For Foil Facer, Add	0.36		
	For 25 PSI Compressive Strength, Add	0.41		
07 22 16 00-0055 Cold Adhesive Applied, High-Density Polyisocyanurate Cover Board And Roofing Insulation (07 22 16 00-0002)				
07 22 16 00-0056	SF 1/2" Thick, R2.5, High-Density Polyisocyanurate Cover Board And Roofing Insulation, Cold Adhesive Applied	3.42		
07 22 16 00-0057 Cold Adhesive Applied, Gypsum-Fiber, Roof Board Insulation (USG Securock) (07 22 16 00-0002)				
07 22 16 00-0058	SF 1/4" Thick, R0.2, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied	3.26		
07 22 16 00-0059	SF 3/8" Thick, R0.3, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied	3.45		
07 22 16 00-0060	SF 1/2" Thick, R0.5, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied	3.58		
07 22 16 00-0061	SF 5/8" Thick, R0.6, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied	3.65		
07 22 16 00-0062 Cold Adhesive Applied, Glass-Mat, Roof Board Insulation (USG Securock) (07 22 16 00-0002)				
07 22 16 00-0063	SF 1/4" Thick, R0.36, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Cold Adhesive Applied	3.19		
07 22 16 00-0064	SF 1/2" Thick, R0.53, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Cold Adhesive Applied	3.48		
07 22 16 00-0065	SF 5/8" Thick, R0.54, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Cold Adhesive Applied	3.55		
07 22 16 00-0066 Cold Adhesive Applied, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation (07 22 16 00-0002)				
Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer.				
07 22 16 00-0067	SF 1.5" Thick, R6.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	5.42		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0068	SF	2" Thick, R9.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied .....5.69	5.69	
07 22 16 00-0069	SF	2.5" Thick, R12.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied .....6.05	6.05	
07 22 16 00-0070	SF	3" Thick, R15.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied .....6.28	6.28	
07 22 16 00-0071	SF	3.5" Thick, R18.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied .....6.82	6.82	
07 22 16 00-0072	SF	4" Thick, R21.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied .....7.04	7.04	
07 22 16 00-0073	SF	4.5" Thick, R24.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied .....7.41	7.41	
07 22 16 00-0074		Cold Adhesive Applied, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation (07 22 16 00-0002) Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer.		
07 22 16 00-0075	SF	2.5" Thick, R5.7, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied .....5.48	5.48	
07 22 16 00-0076	SF	3" Thick, R8.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied .....5.95	5.95	
07 22 16 00-0077	SF	3.5" Thick, R11.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied .....6.50	6.50	
07 22 16 00-0078	SF	4" Thick, R14.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied .....6.87	6.87	
07 22 16 00-0079	SF	4.5" Thick, R17.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied .....7.34	7.34	
07 22 16 00-0080	SF	5" Thick, R20.5, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied .....7.85	7.85	
07 22 16 00-0081	SF	5.5" Thick, R23.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied .....8.76	8.76	
07 22 16 00-0082		Hot-Mopped Rigid Board Roofing Insulation (07 22 16 00-0001)		
07 22 16 00-0083		Hot-Mopped, High-Density Fiberboard, Roof Board Insulation (07 22 16 00-0082)		
07 22 16 00-0084	SF	1/2" Thick, R1.3, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped .....2.39	2.39	
07 22 16 00-0085	SF	25/32" Thick, R1.9, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped .....2.82	2.82	
07 22 16 00-0086	SF	1" Thick, R2.5, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped .....3.26	3.26	
07 22 16 00-0087	SF	1-1/2" Thick, R3.8, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped .....4.06	4.06	
07 22 16 00-0088	SF	2" Thick, R5, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped .....4.86	4.86	
07 22 16 00-0089		Hot-Mopped, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation (07 22 16 00-0082)		
07 22 16 00-0090	SF	1/2" Thick, R1.3, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Hot-Mopped .....2.63	2.63	
07 22 16 00-0091	SF	1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Hot-Mopped .....3.13	3.13	
07 22 16 00-0092		Hot-Mopped, Perlite, Roof Board Insulation (07 22 16 00-0082)		
07 22 16 00-0093	SF	1/2" Thick, R1.32, Perlite, Roof Board Insulation, Hot-Mopped .....2.29	2.29	
07 22 16 00-0094	SF	3/4" Thick, R2.08, Perlite, Roof Board Insulation, Hot-Mopped .....2.54	2.54	
07 22 16 00-0095	SF	1" Thick, R2.78, Perlite, Roof Board Insulation, Hot-Mopped .....2.85	2.85	
07 22 16 00-0096	SF	1-1/2" Thick, R4.17, Perlite, Roof Board Insulation, Hot-Mopped .....3.59	3.59	
07 22 16 00-0097	SF	2" Thick, R5.56, Perlite, Roof Board Insulation, Hot-Mopped .....4.08	4.08	
07 22 16 00-0098		Hot-Mopped, Basalt Mineral Wool, Roof Board Insulation (07 22 16 00-0082)		
07 22 16 00-0099	SF	1" Thick, R3.5, Basalt Mineral Wool, Roof Board Insulation, Hot-Mopped .....3.26	3.26	
07 22 16 00-0100	SF	2" Thick, R7.4, Basalt Mineral Wool, Roof Board Insulation, Hot-Mopped .....4.45	4.45	
07 22 16 00-0101	SF	3" Thick, R11.1, Basalt Mineral Wool, Roof Board Insulation, Hot-Mopped .....5.88	5.88	
07 22 16 00-0102		Hot-Mopped, Foam Glass (Cellular Glass), Roof Board Insulation (07 22 16 00-0082)		
07 22 16 00-0103	SF	1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped .....6.24	6.24	
07 22 16 00-0104	SF	2" Thick, R6.88, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped .....7.40	7.40	
07 22 16 00-0105	SF	2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped .....9.73	9.73	
07 22 16 00-0106	SF	3-1/2" Thick, R12.04, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped .....12.84	12.84	
07 22 16 00-0107		Hot-Mopped, Molded Expanded Polystyrene, Roof Board Insulation (07 22 16 00-0082)		
07 22 16 00-0108	SF	3/8" Thick, R1.44, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped .....2.12	2.12	
07 22 16 00-0109	SF	1/2" Thick, R1.93, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped .....2.19	2.19	
07 22 16 00-0110	SF	3/4" Thick, R2.89, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped .....2.36	2.36	
07 22 16 00-0111	SF	1" Thick, R3.85, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped .....2.74	2.74	
07 22 16 00-0112	SF	2" Thick, R7.70, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped .....3.89	3.89	
07 22 16 00-0113	SF	3" Thick, R11.55, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped .....5.02	5.02	
07 22 16 00-0114	SF	4" Thick, R15.40, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped .....6.15	6.15	
07 22 16 00-0115	SF	5" Thick, R19.25, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped .....7.28	7.28	
07 22 16 00-0116	SF	6" Thick, R23.1, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped .....8.41	8.41	
07 22 16 00-0117		Hot-Mopped, Extruded Polystyrene, Roof Board Insulation (07 22 16 00-0082) Note: 15 PSI compressive strength.		

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof and Deck Insulation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 22 16 00-0118	SF	3/4" Thick, R3.7, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	2.99	
		For 25 PSI Compressive Strength, Add	0.26	
		For 40 PSI Compressive Strength, Add	0.63	
		For 60 PSI Compressive Strength, Add	1.02	
		For 115 PSI Compressive Strength, Add	4.37	
07 22 16 00-0119	SF	1" Thick, R5.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	3.15	
		For 25 PSI Compressive Strength, Add	0.29	
		For 40 PSI Compressive Strength, Add	0.68	
		For 60 PSI Compressive Strength, Add	1.11	
		For 115 PSI Compressive Strength, Add	4.76	
07 22 16 00-0120	SF	1-1/2" Thick, R7.5, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	4.08	
		For 25 PSI Compressive Strength, Add	0.44	
		For 40 PSI Compressive Strength, Add	1.04	
		For 60 PSI Compressive Strength, Add	1.65	
		For 100 PSI Compressive Strength, Add	2.12	
		For 115 PSI Compressive Strength, Add	7.15	
07 22 16 00-0121	SF	2" Thick, R10.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	4.83	
		For 25 PSI Compressive Strength, Add	0.53	
		For 40 PSI Compressive Strength, Add	1.25	
		For 60 PSI Compressive Strength, Add	1.99	
		For 115 PSI Compressive Strength, Add	8.63	
07 22 16 00-0122	SF	2-1/2" Thick, R12.5, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	18.18	
		For 25 PSI Compressive Strength, Add	0.69	
		For 40 PSI Compressive Strength, Add	1.65	
		For 60 PSI Compressive Strength, Add	3.21	
		For 100 PSI Compressive Strength, Add	3.95	
		For 115 PSI Compressive Strength, Add	12.54	
07 22 16 00-0123	SF	3" Thick, R15.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	6.23	
		For 25 PSI Compressive Strength, Add	0.77	
		For 40 PSI Compressive Strength, Add	1.82	
		For 60 PSI Compressive Strength, Add	2.86	
		For 115 PSI Compressive Strength, Add	12.48	
07 22 16 00-0124	SF	4" Thick, R20.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	7.01	
		For 25 PSI Compressive Strength, Add	0.89	
		For 40 PSI Compressive Strength, Add	2.11	
		For 60 PSI Compressive Strength, Add	3.29	
		For 115 PSI Compressive Strength, Add	14.41	

07 22 16 00-0125 Hot-Mopped, Polyisocyanurate Board Roofing Insulation (07 22 16 00-0082)

07 22 16 00-0126	SF	3/4" Thick, R4.3, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	2.67	
		For Foil Facer, Add	0.36	
		For 25 PSI Compressive Strength, Add	0.13	
07 22 16 00-0127	SF	1" Thick, R5.7, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	2.78	
		For Foil Facer, Add	0.36	
		For 25 PSI Compressive Strength, Add	0.14	
07 22 16 00-0128	SF	1-1/2" Thick, R8.6, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	2.94	
		For Foil Facer, Add	0.36	
		For 25 PSI Compressive Strength, Add	0.16	
07 22 16 00-0129	SF	2" Thick, R11.4, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	3.38	
		For Foil Facer, Add	0.36	
		For 25 PSI Compressive Strength, Add	0.20	
07 22 16 00-0130	SF	2-1/2" Thick, R14.4, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	3.84	
		For Foil Facer, Add	0.36	
		For 25 PSI Compressive Strength, Add	0.24	
07 22 16 00-0131	SF	3" Thick, R17.4, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	4.28	
		For Foil Facer, Add	0.36	
		For 25 PSI Compressive Strength, Add	0.29	
07 22 16 00-0132	SF	3-1/2" Thick, R20.5, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	4.61	
		For Foil Facer, Add	0.36	
		For 25 PSI Compressive Strength, Add	0.33	
07 22 16 00-0133	SF	4" Thick, R23.6, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	5.17	
		For Foil Facer, Add	0.36	
		For 25 PSI Compressive Strength, Add	0.37	

07 22 16 00-0134 Hot-Mopped, Gypsum-Fiber, Roof Board Insulation (USG Securock) (07 22 16 00-0082)

07 22 16 00-0135	SF	1/4" Thick, R0.2, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped	3.00	
07 22 16 00-0136	SF	3/8" Thick, R0.3, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped	3.19	
07 22 16 00-0137	SF	1/2" Thick, R0.5, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped	3.32	
07 22 16 00-0138	SF	5/8" Thick, R0.6, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped	3.39	

07 22 16 00-0139 Hot-Mopped, Glass-Mat, Roof Board Insulation (USG Securock) (07 22 16 00-0082)

07 22 16 00-0140	SF	1/4" Thick, R0.36, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Hot-Mopped	2.93	
07 22 16 00-0141	SF	1/2" Thick, R0.53, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Hot-Mopped	3.22	
07 22 16 00-0142	SF	5/8" Thick, R0.54, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Hot-Mopped	3.29	

07 22 16 00-0143 Mechanically Fastened Rigid Board Roofing Insulation (07 22 16 00-0001)

Note: Mechanically fastened to wood or steel.

07 22 16 00-0144 Mechanically Fastened, High-Density Fiberboard, Roof Board Insulation (07 22 16 00-0143)

Note: Mechanically fastened to wood or steel.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0145	SF	1/2" Thick, R1.3, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened.....	2.43	
		For Mechanically Fastened To Concrete, Add	1.71	
		For Mechanically Fastened To Gypsum, Add	2.22	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.76	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.66	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.73	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.14	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.79	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.11	
07 22 16 00-0146	SF	25/32" Thick, R1.9, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened.....	2.88	
		For Mechanically Fastened To Concrete, Add	1.71	
		For Mechanically Fastened To Gypsum, Add	2.22	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.76	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.69	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.73	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.14	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.82	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.11	
07 22 16 00-0147	SF	1" Thick, R2.5, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened.....	3.30	
		For Mechanically Fastened To Concrete, Add	1.71	
		For Mechanically Fastened To Gypsum, Add	2.22	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.76	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.71	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.73	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.14	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.84	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.11	
07 22 16 00-0148	SF	1-1/2" Thick, R3.8, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened.....	4.18	
		For Mechanically Fastened To Concrete, Add	1.76	
		For Mechanically Fastened To Gypsum, Add	2.22	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.95	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.36	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.73	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.40	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.55	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.11	
07 22 16 00-0149	SF	2" Thick, R5, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened.....	4.96	
		For Mechanically Fastened To Concrete, Add	1.76	
		For Mechanically Fastened To Gypsum, Add	2.16	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.95	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.36	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.76	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.40	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.55	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.15	
07 22 16 00-0150		Mechanically Fastened, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation (07 22 16 00-0143)		
		Note: Mechanically fastened to wood or steel.		
07 22 16 00-0151	SF	1/2" Thick, R1.3, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Mechanically Fastened	2.67	
		For Mechanically Fastened To Concrete, Add	1.71	
		For Mechanically Fastened To Gypsum, Add	2.22	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.76	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.71	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.73	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.14	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.84	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.11	
07 22 16 00-0152	SF	1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Mechanically Fastened	3.17	
		For Mechanically Fastened To Concrete, Add	1.71	
		For Mechanically Fastened To Gypsum, Add	2.22	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.76	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.71	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.73	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.14	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.84	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.11	
07 22 16 00-0153		Mechanically Fastened, Perlite, Roof Board Insulation (07 22 16 00-0143)		
		Note: Mechanically fastened to wood or steel.		
07 22 16 00-0154	SF	1/2" Thick, R1.32, Perlite, Roof Board Insulation, Mechanically Fastened	2.36	
		For Mechanically Fastened To Concrete, Add	1.71	
		For Mechanically Fastened To Gypsum, Add	2.22	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.76	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.60	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.73	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.14	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.73	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.11	
07 22 16 00-0155	SF	3/4" Thick, R2.08, Perlite, Roof Board Insulation, Mechanically Fastened	2.62	
		For Mechanically Fastened To Concrete, Add	1.71	
		For Mechanically Fastened To Gypsum, Add	2.22	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.76	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.60	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.73	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.14	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.73	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.11	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof and Deck Insulation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 22 16 00-0156	SF	1" Thick, R2.78, Perlite, Roof Board Insulation, Mechanically Fastened	2.93
		For Mechanically Fastened To Concrete, Add	1.71
		For Mechanically Fastened To Gypsum, Add	2.22
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.76
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.61
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.73
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.14
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.74
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.11
07 22 16 00-0157	SF	1-1/2" Thick, R4.17, Perlite, Roof Board Insulation, Mechanically Fastened	3.76
		For Mechanically Fastened To Concrete, Add	1.76
		For Mechanically Fastened To Gypsum, Add	2.22
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.95
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.36
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.73
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.40
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.55
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.11
07 22 16 00-0158	SF	2" Thick, R5.56, Perlite, Roof Board Insulation, Mechanically Fastened	4.25
		For Mechanically Fastened To Concrete, Add	1.76
		For Mechanically Fastened To Gypsum, Add	2.16
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.95
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.36
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.76
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.40
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.55
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.15

07 22 16 00-0159 Mechanically Fastened, Basalt Mineral Wool, Roof Board Insulation (07 22 16 00-

0143)

Note: Mechanically fastened to wood or steel.

07 22 16 00-0160	SF	1" Thick, R3.5, Basalt Mineral Wool, Roof Board Insulation, Mechanically Fastened	3.34
		For Mechanically Fastened To Concrete, Add	1.71
		For Mechanically Fastened To Gypsum, Add	2.22
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.76
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.61
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.73
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.14
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.74
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.11
07 22 16 00-0161	SF	2" Thick, R7.4, Basalt Mineral Wool, Roof Board Insulation, Mechanically Fastened	4.62
		For Mechanically Fastened To Concrete, Add	1.76
		For Mechanically Fastened To Gypsum, Add	2.16
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.95
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.36
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.76
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.40
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.55
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.15
07 22 16 00-0162	SF	3" Thick, R11.1, Basalt Mineral Wool, Roof Board Insulation, Mechanically Fastened	6.12
		For Mechanically Fastened To Concrete, Add	1.82
		For Mechanically Fastened To Gypsum, Add	2.26
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.07
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.94
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	3.00
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.61
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.19
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.42

07 22 16 00-0163 Mechanically Fastened, Foam Glass (Cellular Glass), Roof Board Insulation (07 22 16 00-0143)

Note: Mechanically fastened to wood or steel.

07 22 16 00-0164	SF	1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened	6.41
		For Mechanically Fastened To Concrete, Add	1.76
		For Mechanically Fastened To Gypsum, Add	2.22
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.95
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.36
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.73
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.40
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.55
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.11
07 22 16 00-0165	SF	2" Thick, R6.88, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened	7.57
		For Mechanically Fastened To Concrete, Add	1.76
		For Mechanically Fastened To Gypsum, Add	2.16
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.95
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.36
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.76
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.40
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.55
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.15
07 22 16 00-0166	SF	2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened	9.97
		For Mechanically Fastened To Concrete, Add	1.82
		For Mechanically Fastened To Gypsum, Add	2.26
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.07
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.94
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	3.00
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.61
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.19
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.42

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0167	SF	3-1/2" Thick, R12.04, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened 13.24 For Mechanically Fastened To Concrete, Add 1.87 For Mechanically Fastened To Gypsum, Add 2.19 For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add 1.26 For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add 2.71 For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add 3.46 For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add 1.91 For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add 4.08 For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add 4.98		
07 22 16 00-0168		Mechanically Fastened, Molded Expanded Polystyrene, Roof Board Insulation (07 22 16 00-0143) Note: Mechanically fastened to wood or steel.		
07 22 16 00-0169	SF	3/8" Thick, R1.44, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened 2.20 For Mechanically Fastened To Concrete, Add 1.71 For Mechanically Fastened To Gypsum, Add 2.22 For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add 0.76 For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add 2.60 For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add 2.73 For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add 1.14 For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add 3.73 For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add 4.11		
07 22 16 00-0170	SF	1/2" Thick, R1.93, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened 2.27 For Mechanically Fastened To Concrete, Add 1.71 For Mechanically Fastened To Gypsum, Add 2.22 For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add 0.76 For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add 2.60 For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add 2.73 For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add 1.14 For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add 3.73 For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add 4.11		
07 22 16 00-0171	SF	3/4" Thick, R2.89, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened 2.56 For Mechanically Fastened To Concrete, Add 1.71 For Mechanically Fastened To Gypsum, Add 2.22 For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add 0.76 For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add 2.61 For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add 2.73 For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add 1.14 For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add 3.74 For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add 4.11		
07 22 16 00-0172	SF	1" Thick, R3.85, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened 2.84 For Mechanically Fastened To Concrete, Add 1.71 For Mechanically Fastened To Gypsum, Add 2.22 For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add 0.76 For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add 2.61 For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add 2.73 For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add 1.14 For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add 3.74 For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add 4.11		
07 22 16 00-0173	SF	2" Thick, R7.70, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened 4.06 For Mechanically Fastened To Concrete, Add 1.76 For Mechanically Fastened To Gypsum, Add 2.16 For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add 0.95 For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add 2.36 For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add 2.76 For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add 1.40 For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add 3.55 For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add 4.15		
07 22 16 00-0174	SF	3" Thick, R11.55, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened 5.28 For Mechanically Fastened To Concrete, Add 1.82 For Mechanically Fastened To Gypsum, Add 2.26 For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add 1.07 For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add 2.94 For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add 3.00 For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add 1.61 For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add 4.19 For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add 4.42		
07 22 16 00-0175	SF	4" Thick, R15.40, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened 6.56 For Mechanically Fastened To Concrete, Add 1.87 For Mechanically Fastened To Gypsum, Add 2.26 For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add 1.26 For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add 2.71 For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add 3.11 For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add 1.91 For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add 4.08 For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add 4.67		
07 22 16 00-0176	SF	5" Thick, R19.25, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened 7.87 For Mechanically Fastened To Concrete, Add 1.92 For Mechanically Fastened To Gypsum, Add 2.23 For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add 1.50 For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add 2.95 For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add 3.71 For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add 2.25 For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add 4.44 For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add 5.36		

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof and Deck Insulation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 22 16 00-0177	SF	6" Thick, R23.1, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened.....	9.55
		For Mechanically Fastened To Concrete, Add	1.97
		For Mechanically Fastened To Gypsum, Add	2.19
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.84
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.30
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	3.98
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.77
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.96
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	5.74

07 22 16 00-0178 Mechanically Fastened, Extruded Polystyrene, Roof Board Insulation (07 22 16 00-

0143)

Note: 15 PSI compressive strength. Mechanically fastened to wood or steel.

07 22 16 00-0179	SF	3/4" Thick, R3.7, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened.....	3.07
		For 25 PSI Compressive Strength, Add	0.30
		For 40 PSI Compressive Strength, Add	0.70
		For 60 PSI Compressive Strength, Add	1.13
		For 115 PSI Compressive Strength, Add	4.88
		For Mechanically Fastened To Concrete, Add	1.71
		For Mechanically Fastened To Gypsum, Add	2.22
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.76
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.60
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.73
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.14
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.73
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.11
07 22 16 00-0180	SF	1" Thick, R5.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened.....	3.23
		For 25 PSI Compressive Strength, Add	0.32
		For 40 PSI Compressive Strength, Add	0.76
		For 60 PSI Compressive Strength, Add	1.22
		For 115 PSI Compressive Strength, Add	5.26
		For Mechanically Fastened To Concrete, Add	1.71
		For Mechanically Fastened To Gypsum, Add	2.22
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.76
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.61
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.73
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.14
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.74
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.11
07 22 16 00-0181	SF	1-1/2" Thick, R7.5, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened	4.25
		For 25 PSI Compressive Strength, Add	0.48
		For 40 PSI Compressive Strength, Add	1.15
		For 60 PSI Compressive Strength, Add	1.81
		For 100 PSI Compressive Strength, Add	2.33
		For 115 PSI Compressive Strength, Add	7.88
		For Mechanically Fastened To Concrete, Add	1.76
		For Mechanically Fastened To Gypsum, Add	2.22
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.95
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.36
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.73
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.40
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.55
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.11
07 22 16 00-0182	SF	2" Thick, R10.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened.....	4.85
		For 25 PSI Compressive Strength, Add	0.57
		For 40 PSI Compressive Strength, Add	1.36
		For 60 PSI Compressive Strength, Add	2.15
		For 115 PSI Compressive Strength, Add	9.35
		For Mechanically Fastened To Concrete, Add	1.76
		For Mechanically Fastened To Gypsum, Add	2.16
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.95
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.36
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.76
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.40
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.55
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.15
07 22 16 00-0183	SF	2-1/2" Thick, R12.5, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened	5.98
		For 25 PSI Compressive Strength, Add	0.76
		For 40 PSI Compressive Strength, Add	1.79
		For 60 PSI Compressive Strength, Add	2.80
		For 100 PSI Compressive Strength, Add	3.60
		For 115 PSI Compressive Strength, Add	12.26
		For Mechanically Fastened To Concrete, Add	1.82
		For Mechanically Fastened To Gypsum, Add	2.20
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.07
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.93
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.89
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.61
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.18
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.33

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0184	SF	3" Thick, R15.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened	6.47		
		For 25 PSI Compressive Strength, Add	0.83		
		For 40 PSI Compressive Strength, Add	1.97		
		For 60 PSI Compressive Strength, Add	3.07		
		For 115 PSI Compressive Strength, Add	13.44		
		For Mechanically Fastened To Concrete, Add	1.82		
		For Mechanically Fastened To Gypsum, Add	2.26		
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.07		
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.94		
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	3.00		
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.61		
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.19		
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.42		
07 22 16 00-0185	SF	4" Thick, R20.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened	7.41		
		For 25 PSI Compressive Strength, Add	0.97		
		For 40 PSI Compressive Strength, Add	2.31		
		For 60 PSI Compressive Strength, Add	3.60		
		For 115 PSI Compressive Strength, Add	15.78		
		For Mechanically Fastened To Concrete, Add	1.87		
		For Mechanically Fastened To Gypsum, Add	2.26		
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	2.71		
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.11		
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	1.91		
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	4.08		
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.67		
07 22 16 00-0186		Mechanically Fastened, Polyisocyanurate Board Roofing Insulation (07 22 16 00-0143)			
		Note: Mechanically fastened to wood or steel.			
07 22 16 00-0187	SF	3/4" Thick, R4.3, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	2.74		
		For Foil Facer, Add	0.36		
		For 25 PSI Compressive Strength, Add	0.15		
		For Mechanically Fastened To Concrete, Add	1.71		
		For Mechanically Fastened To Gypsum, Add	2.22		
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.76		
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.60		
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.73		
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.14		
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.73		
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.11		
07 22 16 00-0188	SF	1" Thick, R5.7, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	2.85		
		For Foil Facer, Add	0.36		
		For 25 PSI Compressive Strength, Add	0.16		
		For Mechanically Fastened To Concrete, Add	1.71		
		For Mechanically Fastened To Gypsum, Add	2.22		
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.76		
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.61		
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.73		
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.14		
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.74		
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.11		
07 22 16 00-0189	SF	1-1/2" Thick, R8.6, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	3.11		
		For Foil Facer, Add	0.36		
		For 25 PSI Compressive Strength, Add	0.19		
		For Mechanically Fastened To Concrete, Add	1.76		
		For Mechanically Fastened To Gypsum, Add	2.22		
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.95		
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.36		
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.73		
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.40		
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.55		
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.11		
07 22 16 00-0190	SF	2" Thick, R11.4, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	3.55		
		For Foil Facer, Add	0.36		
		For 25 PSI Compressive Strength, Add	0.23		
		For Mechanically Fastened To Concrete, Add	1.76		
		For Mechanically Fastened To Gypsum, Add	2.16		
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.95		
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.36		
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.76		
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.40		
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.55		
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.15		
07 22 16 00-0191	SF	2-1/2" Thick, R14.4, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	4.08		
		For Foil Facer, Add	0.36		
		For 25 PSI Compressive Strength, Add	0.28		
		For Mechanically Fastened To Concrete, Add	1.82		
		For Mechanically Fastened To Gypsum, Add	2.20		
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.07		
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.93		
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.89		
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.61		
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.18		
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.33		

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof and Deck Insulation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 22 16 00-0192	SF	3" Thick, R17.4, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	4.52
		For Foil Facer, Add	0.36
		For 25 PSI Compressive Strength, Add	0.32
		For Mechanically Fastened To Concrete, Add	1.82
		For Mechanically Fastened To Gypsum, Add	2.26
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.07
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.94
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	3.00
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.61
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.19
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.42
07 22 16 00-0193	SF	3-1/2" Thick, R20.5, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	5.15
		For Foil Facer, Add	0.36
		For 25 PSI Compressive Strength, Add	0.39
		For Mechanically Fastened To Concrete, Add	1.87
		For Mechanically Fastened To Gypsum, Add	2.19
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.26
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.71
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	3.46
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.91
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.08
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.98
07 22 16 00-0194	SF	4" Thick, R23.6, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	5.57
		For Foil Facer, Add	0.36
		For 25 PSI Compressive Strength, Add	0.43
		For Mechanically Fastened To Concrete, Add	1.87
		For Mechanically Fastened To Gypsum, Add	2.26
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.26
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.71
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	3.11
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.91
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.08
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.67

07 22 16 00-0195 Mechanically Fastened, High-Density Polyisocyanurate Cover Board And Roofing Insulation

(07 22 16 00-0143)

Note: Mechanically fastened to wood or steel.

07 22 16 00-0196	SF	1/2" Thick, R2.5, High-Density Polyisocyanurate Cover Board And Roofing Insulation, Mechanically Fastened	3.21
		For Mechanically Fastened To Concrete, Add	1.71
		For Mechanically Fastened To Gypsum, Add	2.22
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.76
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.66
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.73
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.14
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.79
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.11

07 22 16 00-0197 Mechanically Fastened, Gypsum-Fiber, Roof Board Insulation (USG Securock)

(07 22 16 00-0143)

Note: Mechanically fastened to wood or steel.

07 22 16 00-0198	SF	1/4" Thick, R0.2, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened	3.04
		For Mechanically Fastened To Concrete, Add	1.71
		For Mechanically Fastened To Gypsum, Add	2.22
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.76
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.66
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.73
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.14
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.79
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.11
07 22 16 00-0199	SF	3/8" Thick, R0.3, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened	3.24
		For Mechanically Fastened To Concrete, Add	1.71
		For Mechanically Fastened To Gypsum, Add	2.22
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.76
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.66
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.73
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.14
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.79
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.11
07 22 16 00-0200	SF	1/2" Thick, R0.5, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened	3.37
		For Mechanically Fastened To Concrete, Add	1.71
		For Mechanically Fastened To Gypsum, Add	2.22
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.76
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.66
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.73
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.14
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.79
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.11
07 22 16 00-0201	SF	5/8" Thick, R0.6, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened	3.44
		For Mechanically Fastened To Concrete, Add	1.71
		For Mechanically Fastened To Gypsum, Add	2.22
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.76
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.66
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.73
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.14
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.79
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.11

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 22 16 00-0202 Mechanically Fastened, Glass-Mat, Roof Board Insulation (USG Securock)

(07 22 16 00-0143)

Note: Mechanically fastened to wood or steel.

07 22 16 00-0203	SF	1/4" Thick, R0.36, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Mechanically Fastened.....	2.98		
		For Mechanically Fastened To Concrete, Add	1.71		
		For Mechanically Fastened To Gypsum, Add	2.22		
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.76		
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.66		
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.73		
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.14		
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.79		
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.11		
07 22 16 00-0204	SF	1/2" Thick, R0.53, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Mechanically Fastened.....	3.27		
		For Mechanically Fastened To Concrete, Add	1.71		
		For Mechanically Fastened To Gypsum, Add	2.22		
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.76		
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.66		
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.73		
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.14		
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.79		
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.11		
07 22 16 00-0205	SF	5/8" Thick, R0.54, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Mechanically Fastened.....	3.34		
		For Mechanically Fastened To Concrete, Add	1.71		
		For Mechanically Fastened To Gypsum, Add	2.22		
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.76		
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.66		
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.73		
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.14		
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.79		
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.11		

07 22 16 00-0206 Mechanically Fastened, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation

(07 22 16 00-0143)

Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer. Mechanically fastened to wood or steel.

07 22 16 00-0207	SF	1.5" Thick, R6.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened	5.30		
		For Mechanically Fastened To Concrete, Add	1.76		
		For Mechanically Fastened To Gypsum, Add	2.22		
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.95		
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.36		
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.76		
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.40		
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.55		
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.15		
07 22 16 00-0208	SF	2" Thick, R9.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened	5.57		
		For Mechanically Fastened To Concrete, Add	1.76		
		For Mechanically Fastened To Gypsum, Add	2.16		
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.95		
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.36		
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.76		
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.40		
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.55		
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.15		
07 22 16 00-0209	SF	2.5" Thick, R12.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened	6.02		
		For Mechanically Fastened To Concrete, Add	1.82		
		For Mechanically Fastened To Gypsum, Add	2.20		
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.07		
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.13		
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.89		
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.61		
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.38		
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.33		
07 22 16 00-0210	SF	3" Thick, R15.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened	6.25		
		For Mechanically Fastened To Concrete, Add	1.82		
		For Mechanically Fastened To Gypsum, Add	2.26		
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.07		
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.13		
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	3.00		
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.61		
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.38		
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.42		
07 22 16 00-0211	SF	3.5" Thick, R18.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened	6.94		
		For Mechanically Fastened To Concrete, Add	1.87		
		For Mechanically Fastened To Gypsum, Add	2.19		
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.26		
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.71		
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	3.67		
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.91		
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.08		
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	5.19		

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof and Deck Insulation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 22 16 00-0212	SF	4" Thick, R21.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened.....	7.17
		For Mechanically Fastened To Concrete, Add	1.87
		For Mechanically Fastened To Gypsum, Add	2.26
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.26
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.71
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	3.11
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.91
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.08
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.67
07 22 16 00-0213	SF	4.5" Thick, R24.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened.....	7.72
		For Mechanically Fastened To Concrete, Add	1.92
		For Mechanically Fastened To Gypsum, Add	2.23
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.50
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.95
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	3.95
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.25
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.44
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	5.60

07 22 16 00-0214 Mechanically Fastened, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation

(07 22 16 00-0143)

Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer. Mechanically fastened to wood or steel.

07 22 16 00-0215	SF	2.5" Thick, R5.7, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	5.45
		For Mechanically Fastened To Concrete, Add	1.82
		For Mechanically Fastened To Gypsum, Add	2.20
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.07
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.11
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.89
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.61
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.36
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.33
07 22 16 00-0216	SF	3" Thick, R8.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	5.92
		For Mechanically Fastened To Concrete, Add	1.82
		For Mechanically Fastened To Gypsum, Add	2.26
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.07
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.12
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	3.00
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.61
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.37
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.42
07 22 16 00-0217	SF	3.5" Thick, R11.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	6.63
		For Mechanically Fastened To Concrete, Add	1.87
		For Mechanically Fastened To Gypsum, Add	2.19
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.26
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.71
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	3.65
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.91
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.08
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	5.17
07 22 16 00-0218	SF	4" Thick, R14.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	7.00
		For Mechanically Fastened To Concrete, Add	1.87
		For Mechanically Fastened To Gypsum, Add	2.26
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.26
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.71
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	3.11
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.91
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.08
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.67
07 22 16 00-0219	SF	4.5" Thick, R17.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	7.66
		For Mechanically Fastened To Concrete, Add	1.92
		For Mechanically Fastened To Gypsum, Add	2.23
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.50
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.95
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	3.90
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.25
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.44
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	5.55
07 22 16 00-0220	SF	5" Thick, R20.5, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	8.16
		For Mechanically Fastened To Concrete, Add	1.92
		For Mechanically Fastened To Gypsum, Add	2.23
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.50
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.95
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	3.90
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.25
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.44
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	5.55

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
07 22 16 00-0221	SF		5.5" Thick, R23.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	9.38	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.97	
			<i>For Mechanically Fastened To Gypsum, Add</i>	2.19	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.84	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.30	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	4.21	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.77	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.96	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	5.97	
07 22 16 00-0222			Rigid Board Tapered Roofing Insulation (07 22 16) Note: Includes tapered board and filler board required to maintain slope starting at 1/2" minimum thickness. Excludes base layer of board, if required. Average thickness and average R-value of tapered system excludes thickness and R-value of base layer insulation and/or cover board. See CSI section 07 22 16 00-0466 for demolition of insulation board.		
07 22 16 00-0223			Cold Adhesive Applied Rigid Board Tapered Roofing Insulation (07 22 16 00-0222)		
07 22 16 00-0224			Cold Adhesive Applied, Tapered Polyisocyanurate Board (07 22 16 00-0223) Note: Includes polyurethane adhesive.		
07 22 16 00-0225			Cold Adhesive Applied, 1/8" Slope, Tapered Polyisocyanurate Board (07 22 16 00-0224)		
07 22 16 00-0226	SF		2.25" Average Thickness (12.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	5.29	
			<i>For 25 PSI Compressive Strength, Add</i>	0.35	
07 22 16 00-0227	SF		2.75" Average Thickness (15.7 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	7.25	
			<i>For 25 PSI Compressive Strength, Add</i>	0.40	
07 22 16 00-0228	SF		3.25" Average Thickness (18.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	7.87	
			<i>For 25 PSI Compressive Strength, Add</i>	0.46	
07 22 16 00-0229	SF		3.75" Average Thickness (21.4 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	8.48	
			<i>For 25 PSI Compressive Strength, Add</i>	0.52	
07 22 16 00-0230	SF		4.25" Average Thickness (24.2 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	9.10	
			<i>For 25 PSI Compressive Strength, Add</i>	0.59	
07 22 16 00-0231	SF		4.75" Average Thickness (27.1 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	11.08	
			<i>For 25 PSI Compressive Strength, Add</i>	0.64	
07 22 16 00-0232	SF		5.25" Average Thickness (30.0 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	11.70	
			<i>For 25 PSI Compressive Strength, Add</i>	0.70	
07 22 16 00-0233	SF		5.75" Average Thickness (32.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	12.31	
			<i>For 25 PSI Compressive Strength, Add</i>	0.76	
07 22 16 00-0234	SF		6.25" Average Thickness (35.6 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	12.93	
			<i>For 25 PSI Compressive Strength, Add</i>	0.82	
07 22 16 00-0235	SF		6.75" Average Thickness (38.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	14.89	
			<i>For 25 PSI Compressive Strength, Add</i>	0.87	
07 22 16 00-0236			Cold Adhesive Applied, 1/4" Slope, Tapered Polyisocyanurate Board (07 22 16 00-0224)		
07 22 16 00-0237	SF		2" Average Thickness (11.4 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	4.99	
			<i>For 25 PSI Compressive Strength, Add</i>	0.32	
07 22 16 00-0238	SF		3" Average Thickness (17.1 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	7.56	
			<i>For 25 PSI Compressive Strength, Add</i>	0.43	
07 22 16 00-0239	SF		4" Average Thickness (22.8 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	8.79	
			<i>For 25 PSI Compressive Strength, Add</i>	0.55	
07 22 16 00-0240	SF		5" Average Thickness (28.5 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	11.39	
			<i>For 25 PSI Compressive Strength, Add</i>	0.67	
07 22 16 00-0241	SF		6" Average Thickness (34.2 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	12.62	
			<i>For 25 PSI Compressive Strength, Add</i>	0.79	
07 22 16 00-0242	SF		7" Average Thickness (39.9 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	15.20	
			<i>For 25 PSI Compressive Strength, Add</i>	0.91	
07 22 16 00-0243			Cold Adhesive Applied, 1/2" Slope, Tapered Polyisocyanurate Board (07 22 16 00-0224)		
07 22 16 00-0244	SF		3.5" Average Thickness (20.0 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	8.17	
			<i>For 25 PSI Compressive Strength, Add</i>	0.49	
07 22 16 00-0245	SF		5.5" Average Thickness (31.4 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	12.00	
			<i>For 25 PSI Compressive Strength, Add</i>	0.73	
07 22 16 00-0246	SF		7.5" Average Thickness (42.8 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	15.82	
			<i>For 25 PSI Compressive Strength, Add</i>	0.97	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof and Deck Insulation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 22 16 00-0247	SF	9.5" Average Thickness (54.2 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	19.64
		For 25 PSI Compressive Strength, Add	1.21
07 22 16 00-0248		Cold Adhesive Applied, Tapered Expanded Polystyrene Board (EPS) (07 22 16 00-0223) Note: Includes polyurethane adhesive.	
07 22 16 00-0249		Cold Adhesive Applied, 1/8" Slope, Tapered Expanded Polystyrene Board (EPS) (07 22 16 00-0248)	
07 22 16 00-0250	SF	2.25" Average Thickness (10.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	4.60
07 22 16 00-0251	SF	2.75" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	6.60
07 22 16 00-0252	SF	3.25" Average Thickness (14.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	7.06
07 22 16 00-0253	SF	3.75" Average Thickness (16.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	7.52
07 22 16 00-0254	SF	4.25" Average Thickness (19.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	7.98
07 22 16 00-0255	SF	4.75" Average Thickness (21.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	10.00
07 22 16 00-0256	SF	5.25" Average Thickness (23.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	10.46
07 22 16 00-0257	SF	5.75" Average Thickness (25.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	10.92
07 22 16 00-0258	SF	6.25" Average Thickness (28.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	11.38
07 22 16 00-0259	SF	6.75" Average Thickness (30.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	13.39
07 22 16 00-0260		Cold Adhesive Applied, 1/4" Slope, Tapered Expanded Polystyrene Board (EPS) (07 22 16 00-0248)	
07 22 16 00-0261	SF	2" Average Thickness (9 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	4.37
07 22 16 00-0262	SF	3" Average Thickness (13.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	6.83
07 22 16 00-0263	SF	4" Average Thickness (18 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	7.75
07 22 16 00-0264	SF	5" Average Thickness (22.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	10.23
07 22 16 00-0265	SF	6" Average Thickness (27 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	11.15
07 22 16 00-0266	SF	7" Average Thickness (31.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	13.62
07 22 16 00-0267		Cold Adhesive Applied, 1/2" Slope, Tapered Expanded Polystyrene Board (EPS) (07 22 16 00-0248)	
07 22 16 00-0268	SF	3.5" Average Thickness (15.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	7.29
07 22 16 00-0269	SF	5.5" Average Thickness (24.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	10.69
07 22 16 00-0270	SF	7.5" Average Thickness (33.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	14.08
07 22 16 00-0271	SF	9.5" Average Thickness (42.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	17.93
07 22 16 00-0272		Cold Adhesive Applied, Tapered Extruded Polystyrene Board (XEPS) (07 22 16 00-0223) Note: Includes polyurethane adhesive.	
07 22 16 00-0273		Cold Adhesive Applied, 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS) (07 22 16 00-0272)	
07 22 16 00-0274	SF	2.25" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	5.16
07 22 16 00-0275	SF	2.75" Average Thickness (15.125 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	7.12
07 22 16 00-0276	SF	3.25" Average Thickness (17.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	7.70
07 22 16 00-0277	SF	3.75" Average Thickness (20.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	8.29
07 22 16 00-0278	SF	4.25" Average Thickness (23.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	8.87
07 22 16 00-0279	SF	4.75" Average Thickness (26.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	10.86
07 22 16 00-0280	SF	5.25" Average Thickness (28.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	11.45
07 22 16 00-0281	SF	5.75" Average Thickness (31.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	12.03
07 22 16 00-0282	SF	6.25" Average Thickness (34.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	12.62
07 22 16 00-0283	SF	6.75" Average Thickness (37.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	14.59

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 22 16 00-0284	Cold Adhesive Applied, 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS) (07 22 16 00-0272)	
07 22 16 00-0285	SF 2" Average Thickness (11 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	4.86
07 22 16 00-0286	SF 3" Average Thickness (16.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	7.41
07 22 16 00-0287	SF 4" Average Thickness (22 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	8.58
07 22 16 00-0288	SF 5" Average Thickness (27.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	11.16
07 22 16 00-0289	SF 6" Average Thickness (33 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	12.33
07 22 16 00-0290	SF 7" Average Thickness (38.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	14.88

07 22 16 00-0291	Cold Adhesive Applied, 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS) (07 22 16 00-0272)	
07 22 16 00-0292	SF 3.5" Average Thickness (19.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	8.00
	<i>For Mechanically Fastened To Concrete, Add</i>	1.82
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.26
07 22 16 00-0293	SF 5.5" Average Thickness (30.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	11.74
07 22 16 00-0294	SF 7.5" Average Thickness (41.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	15.47
07 22 16 00-0295	SF 9.5" Average Thickness (52.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	19.20

07 22 16 00-0296	Cold Adhesive Applied, Tapered Perlite Board (07 22 16 00-0223)	
	<i>Note: Includes polyurethane adhesive.</i>	

07 22 16 00-0297	Cold Adhesive Applied, 1/8" Slope, Tapered Perlite Board (07 22 16 00-0296)	
07 22 16 00-0298	SF 2.25" Average Thickness (6.26 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	7.56
07 22 16 00-0299	SF 2.75" Average Thickness (7.65 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	8.93
07 22 16 00-0300	SF 3.25" Average Thickness (9.04 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	10.19
07 22 16 00-0301	SF 3.75" Average Thickness (10.43 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	10.79
07 22 16 00-0302	SF 4.25" Average Thickness (11.82 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	12.06
07 22 16 00-0303	SF 4.75" Average Thickness (13.21 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	13.43
07 22 16 00-0304	SF 5.25" Average Thickness (14.60 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	14.70
07 22 16 00-0305	SF 5.75" Average Thickness (15.99 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	15.29
07 22 16 00-0306	SF 6.25" Average Thickness (17.38 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	16.56
07 22 16 00-0307	SF 6.75" Average Thickness (18.77 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	17.94

07 22 16 00-0308	Cold Adhesive Applied, 1/4" Slope, Tapered Perlite Board (07 22 16 00-0296)	
07 22 16 00-0309	SF 2" Average Thickness (5.56 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied	6.92
07 22 16 00-0310	SF 3" Average Thickness (8.34 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied	9.56
07 22 16 00-0311	SF 4" Average Thickness (11.12 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied	11.42
07 22 16 00-0312	SF 5" Average Thickness (13.9 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied	14.07
07 22 16 00-0313	SF 6" Average Thickness (16.68 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied	15.93
07 22 16 00-0314	SF 7" Average Thickness (19.46 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied	18.57

07 22 16 00-0315	Cold Adhesive Applied, 1/2" Slope, Tapered Perlite Board (07 22 16 00-0296)	
07 22 16 00-0316	SF 3.5" Average Thickness (9.73 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied	10.83
07 22 16 00-0317	SF 5.5" Average Thickness (15.29 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied	15.33
07 22 16 00-0318	SF 7.5" Average Thickness (20.85 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied	19.84
07 22 16 00-0319	SF 9.5" Average Thickness (26.41 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied	24.34

07 22 16 00-0320	Hot-Mopped Rigid Board Tapered Roofing Insulation (07 22 16 00-0222)	
07 22 16 00-0321	Hot-Mopped, Tapered Polyisocyanurate Board (07 22 16 00-0320)	
07 22 16 00-0322	Hot-Mopped, 1/8" Slope, Tapered Polyisocyanurate Board (07 22 16 00-0321)	
07 22 16 00-0323	SF 2.25" Average Thickness (12.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	4.88
	<i>For 25 PSI Compressive Strength, Add</i>	0.31
07 22 16 00-0324	SF 2.75" Average Thickness (15.7 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	6.82
	<i>For 25 PSI Compressive Strength, Add</i>	0.32
07 22 16 00-0325	SF 3.25" Average Thickness (18.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	7.43
	<i>For 25 PSI Compressive Strength, Add</i>	0.38
07 22 16 00-0326	SF 3.75" Average Thickness (21.4 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	7.71
	<i>For 25 PSI Compressive Strength, Add</i>	0.45
07 22 16 00-0327	SF 4.25" Average Thickness (24.2 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	8.66
	<i>For 25 PSI Compressive Strength, Add</i>	0.51
07 22 16 00-0328	SF 4.75" Average Thickness (27.1 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	10.43
	<i>For 25 PSI Compressive Strength, Add</i>	0.53
07 22 16 00-0329	SF 5.25" Average Thickness (30.0 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	11.04
	<i>For 25 PSI Compressive Strength, Add</i>	0.59
07 22 16 00-0330	SF 5.75" Average Thickness (32.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	11.66
	<i>For 25 PSI Compressive Strength, Add</i>	0.65

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof and Deck Insulation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 22 16 00-0331	SF	6.25" Average Thickness (35.6 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	12.27
		<i>For 25 PSI Compressive Strength, Add</i>	0.71
07 22 16 00-0332	SF	6.75" Average Thickness (38.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	14.02
		<i>For 25 PSI Compressive Strength, Add</i>	0.73
07 22 16 00-0333 Hot-Mopped, 1/4" Slope, Tapered Polyisocyanurate Board (07 22 16 00-0321)			
07 22 16 00-0334	SF	2" Average Thickness (11.4 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	4.76
		<i>For 25 PSI Compressive Strength, Add</i>	0.28
07 22 16 00-0335	SF	3" Average Thickness (17.1 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	7.12
		<i>For 25 PSI Compressive Strength, Add</i>	0.35
07 22 16 00-0336	SF	4" Average Thickness (22.8 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	8.36
		<i>For 25 PSI Compressive Strength, Add</i>	0.48
07 22 16 00-0337	SF	5" Average Thickness (28.5 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	10.73
		<i>For 25 PSI Compressive Strength, Add</i>	0.56
07 22 16 00-0338	SF	6" Average Thickness (34.2 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	11.96
		<i>For 25 PSI Compressive Strength, Add</i>	0.68
07 22 16 00-0339	SF	7" Average Thickness (39.9 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	14.32
		<i>For 25 PSI Compressive Strength, Add</i>	0.76
07 22 16 00-0340 Hot-Mopped, 1/2" Slope, Tapered Polyisocyanurate Board (07 22 16 00-0321)			
07 22 16 00-0341	SF	3.5" Average Thickness (20.0 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	7.74
		<i>For 25 PSI Compressive Strength, Add</i>	0.42
07 22 16 00-0342	SF	5.5" Average Thickness (31.4 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	11.35
		<i>For 25 PSI Compressive Strength, Add</i>	0.62
07 22 16 00-0343	SF	7.5" Average Thickness (42.8 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	14.94
		<i>For 25 PSI Compressive Strength, Add</i>	0.82
07 22 16 00-0344	SF	9.5" Average Thickness (54.2 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	18.55
		<i>For 25 PSI Compressive Strength, Add</i>	1.02
07 22 16 00-0345 Hot-Mopped, Tapered Perlite Board (07 22 16 00-0320)			
07 22 16 00-0346 Hot-Mopped, 1/8" Slope, Tapered Perlite Board (07 22 16 00-0345)			
07 22 16 00-0347	SF	2.25" Average Thickness (6.26 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	6.66
07 22 16 00-0348	SF	2.75" Average Thickness (7.65 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	8.49
07 22 16 00-0349	SF	3.25" Average Thickness (9.04 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	9.76
07 22 16 00-0350	SF	3.75" Average Thickness (10.43 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	9.69
07 22 16 00-0351	SF	4.25" Average Thickness (11.82 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	10.96
07 22 16 00-0352	SF	4.75" Average Thickness (13.21 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	12.78
07 22 16 00-0353	SF	5.25" Average Thickness (14.60 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	14.05
07 22 16 00-0354	SF	5.75" Average Thickness (15.99 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	13.97
07 22 16 00-0355	SF	6.25" Average Thickness (17.38 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	15.24
07 22 16 00-0356	SF	6.75" Average Thickness (18.77 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	17.06
07 22 16 00-0357 Hot-Mopped, 1/4" Slope, Tapered Perlite Board (07 22 16 00-0345)			
07 22 16 00-0358	SF	2" Average Thickness (5.56 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped.....	6.03
07 22 16 00-0359	SF	3" Average Thickness (8.34 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped.....	9.13
07 22 16 00-0360	SF	4" Average Thickness (11.12 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped.....	10.32
07 22 16 00-0361	SF	5" Average Thickness (13.9 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped.....	13.41
07 22 16 00-0362	SF	6" Average Thickness (16.68 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped.....	14.61
07 22 16 00-0363	SF	7" Average Thickness (19.46 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped.....	17.70
07 22 16 00-0364 Hot-Mopped, 1/2" Slope, Tapered Perlite Board (07 22 16 00-0345)			
07 22 16 00-0365	SF	3.5" Average Thickness (9.73 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped.....	10.39
07 22 16 00-0366	SF	5.5" Average Thickness (15.29 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped.....	14.68
07 22 16 00-0367	SF	7.5" Average Thickness (20.85 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped.....	79.84
07 22 16 00-0368	SF	9.5" Average Thickness (26.41 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped.....	23.25
07 22 16 00-0369 Mechanically Fastened Tapered Roofing Insulation (07 22 16 00-0222)			
Note: Mechanically fastened to wood or steel. Includes tapered board and filler board required to maintain slope starting at 1/2" minimum thickness. Excludes base layer of board, if required. Average thickness and average R-value of tapered system excludes thickness and R-value of base layer insulation and/or coverboard.			
07 22 16 00-0370 Mechanically Fastened, Tapered Polyisocyanurate Board (07 22 16 00-0369)			
Note: Mechanically fastened to wood or steel.			
07 22 16 00-0371 Mechanically Fastened, 1/8" Slope, Tapered Polyisocyanurate Board (07 22 16 00-0370)			
07 22 16 00-0372	SF	2.25" Average Thickness (12.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	5.17
		<i>For 25 PSI Compressive Strength, Add</i>	0.34
		<i>For Mechanically Fastened To Concrete, Add</i>	1.76
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.13
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.95
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.36
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.73
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.40
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.55
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.11

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0373	SF		2.75" Average Thickness (15.7 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	6.55	
			For 25 PSI Compressive Strength, Add	0.33	
			For Mechanically Fastened To Concrete, Add	1.82	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.20	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.07	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.51	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.89	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.61	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.76	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.33	
07 22 16 00-0374	SF		3.25" Average Thickness (18.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	7.17	
			For 25 PSI Compressive Strength, Add	0.39	
			For Mechanically Fastened To Concrete, Add	1.82	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.26	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.07	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.51	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.95	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.61	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.76	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.42	
07 22 16 00-0375	SF		3.75" Average Thickness (21.4 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	7.94	
			For 25 PSI Compressive Strength, Add	0.47	
			For Mechanically Fastened To Concrete, Add	1.87	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.19	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.26	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.71	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.03	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.91	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.08	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.55	
07 22 16 00-0376	SF		4.25" Average Thickness (24.2 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	8.56	
			For 25 PSI Compressive Strength, Add	0.53	
			For Mechanically Fastened To Concrete, Add	1.87	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.26	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.26	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.71	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.11	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.91	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.08	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.67	
07 22 16 00-0377	SF		4.75" Average Thickness (27.1 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	10.06	
			For 25 PSI Compressive Strength, Add	0.54	
			For Mechanically Fastened To Concrete, Add	1.92	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.23	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.50	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.95	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.26	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.25	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.44	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.91	
07 22 16 00-0378	SF		5.25" Average Thickness (30.0 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	10.68	
			For 25 PSI Compressive Strength, Add	0.60	
			For Mechanically Fastened To Concrete, Add	1.92	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.23	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.50	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.95	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.26	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.25	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.44	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.91	
07 22 16 00-0379	SF		5.75" Average Thickness (32.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	11.59	
			For 25 PSI Compressive Strength, Add	0.69	
			For Mechanically Fastened To Concrete, Add	1.97	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.19	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.84	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.30	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.52	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.77	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.96	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	5.28	
07 22 16 00-0380	SF		6.25" Average Thickness (35.6 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	12.21	
			For 25 PSI Compressive Strength, Add	0.75	
			For Mechanically Fastened To Concrete, Add	1.97	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.19	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.84	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.30	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.52	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.77	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.96	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	5.28	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof and Deck Insulation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 22 16 00-0381	SF	6.75" Average Thickness (38.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	13.79
		For 25 PSI Compressive Strength, Add	0.76
		For Mechanically Fastened To Concrete, Add	1.97
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.30
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	2.12
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.58
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.91
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	3.19
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	5.38
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	5.87

07 22 16 00-0382 Mechanically Fastened, 1/4" Slope, Tapered Polyisocyanurate Board (07 22 16 00-0370)

07 22 16 00-0383	SF	2" Average Thickness (11.4 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	4.87
		For 25 PSI Compressive Strength, Add	0.31
		For Mechanically Fastened To Concrete, Add	1.76
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.13
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.95
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.36
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.73
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.40
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.55
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.11
07 22 16 00-0384	SF	3" Average Thickness (17.1 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	6.86
		For 25 PSI Compressive Strength, Add	0.36
		For Mechanically Fastened To Concrete, Add	1.82
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.20
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.07
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.51
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.89
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.61
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.76
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.33
07 22 16 00-0385	SF	4" Average Thickness (22.8 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	8.25
		For 25 PSI Compressive Strength, Add	0.50
		For Mechanically Fastened To Concrete, Add	1.87
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.19
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.26
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.71
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.03
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.91
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.08
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.55
07 22 16 00-0386	SF	5" Average Thickness (28.5 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	10.37
		For 25 PSI Compressive Strength, Add	0.57
		For Mechanically Fastened To Concrete, Add	1.92
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.23
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.50
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.95
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.26
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.25
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.44
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.91
07 22 16 00-0387	SF	6" Average Thickness (34.2 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	11.90
		For 25 PSI Compressive Strength, Add	0.72
		For Mechanically Fastened To Concrete, Add	1.97
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.19
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.84
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.30
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.52
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.77
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.96
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	5.28
07 22 16 00-0388	SF	7" Average Thickness (39.9 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	14.10
		For 25 PSI Compressive Strength, Add	0.80
		For Mechanically Fastened To Concrete, Add	1.97
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.30
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	2.12
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.58
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.91
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	3.19
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	5.38
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	5.87

07 22 16 00-0389 Mechanically Fastened, 1/2" Slope, Tapered Polyisocyanurate Board (07 22 16 00-0370)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0390	SF		3.5" Average Thickness (20.0 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	7.48	
			For 25 PSI Compressive Strength, Add	0.42	
			For Mechanically Fastened To Concrete, Add	1.62	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.26	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.07	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.51	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.95	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.61	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.76	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.42	
07 22 16 00-0391	SF		5.5" Average Thickness (31.4 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	10.60	
			For 25 PSI Compressive Strength, Add	0.59	
			For Mechanically Fastened To Concrete, Add	1.92	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.23	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.50	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.95	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.26	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.25	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.44	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.91	
07 22 16 00-0392	SF		7.5" Average Thickness (42.8 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	14.71	
			For 25 PSI Compressive Strength, Add	0.86	
			For Mechanically Fastened To Concrete, Add	1.97	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.30	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	2.12	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.58	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.91	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	3.19	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	5.38	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	5.87	
07 22 16 00-0393	SF		9.5" Average Thickness (54.2 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	18.67	
			For 25 PSI Compressive Strength, Add	1.11	
			For Mechanically Fastened To Concrete, Add	1.99	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	2.97	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	4.41	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	4.46	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	6.61	
07 22 16 00-0394			Mechanically Fastened, Tapered Expanded Polystyrene Board (EPS) (07 22 16 00-0369)		
			Note: Mechanically fastened to wood or steel.		
07 22 16 00-0395			Mechanically Fastened, 1/8" Slope, Tapered Expanded Polystyrene Board (EPS) (07 22 16 00-0394)		
07 22 16 00-0396	SF		2.25" Average Thickness (10.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	4.48	
			For Mechanically Fastened To Concrete, Add	1.76	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.13	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.95	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.36	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.73	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.40	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.55	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.11	
07 22 16 00-0397	SF		2.75" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	5.90	
			For Mechanically Fastened To Concrete, Add	1.82	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.20	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.07	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.51	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.89	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.61	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.76	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.33	
07 22 16 00-0398	SF		3.25" Average Thickness (14.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	6.36	
			For Mechanically Fastened To Concrete, Add	1.82	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.26	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.07	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.51	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.95	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.61	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.76	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.42	
07 22 16 00-0399	SF		3.75" Average Thickness (16.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	6.98	
			For Mechanically Fastened To Concrete, Add	1.87	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.19	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.26	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.71	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.03	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.91	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.08	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.55	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof and Deck Insulation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 22 16 00-0400	SF	4.25" Average Thickness (19.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	7.44
		For Mechanically Fastened To Concrete, Add	1.87
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.26
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.26
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.71
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.11
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.91
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.08
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.67
07 22 16 00-0401	SF	4.75" Average Thickness (21.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	8.98
		For Mechanically Fastened To Concrete, Add	1.92
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.23
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.50
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.95
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.26
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.25
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.44
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.91
07 22 16 00-0402	SF	5.25" Average Thickness (23.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	9.44
		For Mechanically Fastened To Concrete, Add	1.92
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.23
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.50
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.95
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.26
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.25
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.44
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.91
07 22 16 00-0403	SF	5.75" Average Thickness (25.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	10.20
		For Mechanically Fastened To Concrete, Add	1.97
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.19
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.84
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.30
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.52
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.77
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.96
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	5.28
07 22 16 00-0404	SF	6.25" Average Thickness (28.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	10.67
		For Mechanically Fastened To Concrete, Add	1.97
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.19
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.84
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.30
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.52
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.77
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.96
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	5.28
07 22 16 00-0405	SF	6.75" Average Thickness (30.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	12.28
		For Mechanically Fastened To Concrete, Add	1.97
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.30
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	2.12
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.58
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.91
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	3.19
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	5.38
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	5.87

07 22 16 00-0406 Mechanically Fastened, 1/4" Slope, Tapered Expanded Polystyrene Board (EPS)

(07 22 16 00-0394)

07 22 16 00-0407	SF	2" Average Thickness (9 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	4.25
		For Mechanically Fastened To Concrete, Add	1.76
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.13
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.95
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.36
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.73
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.40
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.55
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.11
07 22 16 00-0408	SF	3" Average Thickness (13.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	6.13
		For Mechanically Fastened To Concrete, Add	1.82
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.20
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.07
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.51
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.89
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.61
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.76
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.33

MINOR		DESCRIPTION	TOTAL DIRECT		DEMOLITION
CSI	UOM		UNIT	COST	
07 22 16 00-0409	SF	4" Average Thickness (18 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened		7.21	
		For Mechanically Fastened To Concrete, Add		1.87	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add		2.19	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add		1.26	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add		2.71	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add		3.03	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add		1.91	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add		4.08	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add		4.55	
07 22 16 00-0410	SF	5" Average Thickness (22.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened		9.21	
		For Mechanically Fastened To Concrete, Add		1.92	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add		2.23	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add		1.50	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add		2.95	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add		3.26	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add		2.25	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add		4.44	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add		4.91	
07 22 16 00-0411	SF	6" Average Thickness (27 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened		10.43	
		For Mechanically Fastened To Concrete, Add		1.97	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add		2.19	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add		1.84	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add		3.30	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add		3.52	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add		2.77	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add		4.96	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add		5.28	
07 22 16 00-0412	SF	7" Average Thickness (31.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened		12.51	
		For Mechanically Fastened To Concrete, Add		1.97	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add		2.30	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add		2.12	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add		3.58	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add		3.91	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add		3.19	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add		5.38	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add		5.87	
07 22 16 00-0413		Mechanically Fastened, 1/2" Slope, Tapered Expanded Polystyrene Board (EPS) (07 22 16 00-0394)			
07 22 16 00-0414	SF	3.5" Average Thickness (15.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened		6.59	
		For Mechanically Fastened To Concrete, Add		1.82	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add		2.26	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add		1.07	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add		2.51	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add		2.95	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add		1.61	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add		3.76	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add		4.42	
07 22 16 00-0415	SF	5.5" Average Thickness (24.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened		9.67	
		For Mechanically Fastened To Concrete, Add		1.92	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add		2.23	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add		1.50	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add		2.95	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add		3.26	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add		2.25	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add		4.44	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add		4.91	
07 22 16 00-0416	SF	7.5" Average Thickness (33.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened		12.98	
		For Mechanically Fastened To Concrete, Add		1.97	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add		2.30	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add		2.12	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add		3.58	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add		3.91	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add		3.19	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add		5.38	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add		5.87	
07 22 16 00-0417	SF	9.5" Average Thickness (42.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened		16.97	
		For Mechanically Fastened To Concrete, Add		1.99	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add		2.97	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add		4.41	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add		4.46	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add		6.61	
07 22 16 00-0418		Mechanically Fastened, Tapered Extruded Polystyrene Board (XEPS) (07 22 16 00-0369)			
		Note: Mechanically fastened to wood or steel.			
07 22 16 00-0419		Mechanically Fastened, 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS) (07 22 16 00-0418)			

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof and Deck Insulation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 22 16 00-0420	SF	2.25" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	5.04
		For Mechanically Fastened To Concrete, Add	1.76
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.13
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.95
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.36
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.73
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.40
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.55
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.11
07 22 16 00-0421	SF	2.75" Average Thickness (15.125 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	6.42
		For Mechanically Fastened To Concrete, Add	1.82
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.20
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.07
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.51
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.89
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.61
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.76
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.33
07 22 16 00-0422	SF	3.25" Average Thickness (17.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	8.39
		For Mechanically Fastened To Concrete, Add	1.82
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.26
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.07
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.51
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.95
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.61
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.76
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.42
07 22 16 00-0423	SF	3.75" Average Thickness (20.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	7.75
		For Mechanically Fastened To Concrete, Add	1.87
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.19
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.26
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.71
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.03
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.91
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.08
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.55
07 22 16 00-0424	SF	4.25" Average Thickness (23.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	8.33
		For Mechanically Fastened To Concrete, Add	1.87
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.26
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.26
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.71
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.11
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.91
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.08
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.67
07 22 16 00-0425	SF	4.75" Average Thickness (26.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	9.85
		For Mechanically Fastened To Concrete, Add	1.92
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.23
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.50
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.95
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.26
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.25
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.44
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.91
07 22 16 00-0426	SF	5.25" Average Thickness (28.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	10.43
		For Mechanically Fastened To Concrete, Add	1.92
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.23
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.50
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.95
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.26
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.25
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.44
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.91
07 22 16 00-0427	SF	5.75" Average Thickness (31.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	11.32
		For Mechanically Fastened To Concrete, Add	1.97
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.19
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.84
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.30
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.52
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.77
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.96
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	5.28
07 22 16 00-0428	SF	6.25" Average Thickness (34.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	11.90
		For Mechanically Fastened To Concrete, Add	1.97
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.19
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.84
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.30
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.52
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.77
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.96
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	5.28

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0429	SF	6.75" Average Thickness (37.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	13.49	
		For Mechanically Fastened To Concrete, Add	1.97	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.30	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	2.12	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.58	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.91	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	3.19	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	5.38	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	5.87	
07 22 16 00-0430		Mechanically Fastened, 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS) (07 22 16 00-0418)		
07 22 16 00-0431	SF	2" Average Thickness (11 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	4.74	
		For Mechanically Fastened To Concrete, Add	1.76	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.13	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.95	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.36	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.73	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.40	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.55	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.11	
07 22 16 00-0432	SF	3" Average Thickness (16.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	6.72	
		For Mechanically Fastened To Concrete, Add	1.82	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.20	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.07	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.51	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.89	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.61	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.76	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.33	
07 22 16 00-0433	SF	4" Average Thickness (22 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	8.04	
		For Mechanically Fastened To Concrete, Add	1.87	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.19	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.26	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.71	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.03	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.91	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.08	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.55	
07 22 16 00-0434	SF	5" Average Thickness (27.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	10.14	
		For Mechanically Fastened To Concrete, Add	1.92	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.23	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.50	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.95	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.26	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.25	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.44	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.91	
07 22 16 00-0435	SF	6" Average Thickness (33 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	11.61	
		For Mechanically Fastened To Concrete, Add	1.97	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.19	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.84	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.30	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.52	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.77	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.96	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	5.28	
07 22 16 00-0436	SF	7" Average Thickness (38.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	13.78	
		For Mechanically Fastened To Concrete, Add	1.97	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.30	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	2.12	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.58	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.91	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	3.19	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	5.38	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	5.87	
07 22 16 00-0437		Mechanically Fastened, 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS) (07 22 16 00-0418)		
07 22 16 00-0438	SF	3.5" Average Thickness (19.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	7.30	
		For Mechanically Fastened To Concrete, Add	1.82	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.26	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.07	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.51	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.95	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.61	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.76	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.42	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof and Deck Insulation**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 22 16 00-0439	SF	5.5" Average Thickness (30.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	10.72
		For Mechanically Fastened To Concrete, Add	1.92
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.23
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.50
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.95
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.26
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.25
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.44
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.91
07 22 16 00-0440	SF	7.5" Average Thickness (41.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	14.36
		For Mechanically Fastened To Concrete, Add	1.97
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.30
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	2.12
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.58
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.91
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	3.19
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	5.38
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	5.87
07 22 16 00-0441	SF	9.5" Average Thickness (52.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	17.98
		For Mechanically Fastened To Concrete, Add	1.99
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	2.97
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	4.41
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	4.46
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	6.61

07 22 16 00-0442 Mechanically Fastened, Tapered Perlite Board (07 22 16 00-0369)

Note: Mechanically fastened to wood or steel.

07 22 16 00-0443 Mechanically Fastened, 1/8" Slope, Tapered Perlite Board (07 22 16 00-0442)

07 22 16 00-0444	SF	2.25" Average Thickness (6.26 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	6.77
		For Mechanically Fastened To Concrete, Add	1.76
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.13
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.95
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.36
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.73
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.40
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.55
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.11
07 22 16 00-0445	SF	2.75" Average Thickness (7.65 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	8.23
		For Mechanically Fastened To Concrete, Add	1.82
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.20
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.07
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.51
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.89
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.61
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.76
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.33
07 22 16 00-0446	SF	3.25" Average Thickness (9.04 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	9.50
		For Mechanically Fastened To Concrete, Add	1.82
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.26
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.07
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.51
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.95
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.61
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.76
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.42
07 22 16 00-0447	SF	3.75" Average Thickness (10.43 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	9.58
		For Mechanically Fastened To Concrete, Add	1.87
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.19
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.26
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.71
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.03
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.91
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.08
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.55
07 22 16 00-0448	SF	4.25" Average Thickness (11.82 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	10.85
		For Mechanically Fastened To Concrete, Add	1.87
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.26
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.26
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.71
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.11
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.91
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.08
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.67
07 22 16 00-0449	SF	4.75" Average Thickness (13.21 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	12.41
		For Mechanically Fastened To Concrete, Add	1.92
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.23
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.50
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.95
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.26
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.25
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.44
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.91

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0450	SF	5.25" Average Thickness (14.60 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	13.68	
		For Mechanically Fastened To Concrete, Add	1.92	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.23	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.50	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.95	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.26	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.25	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.44	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.91	
07 22 16 00-0451	SF	5.75" Average Thickness (15.99 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	13.91	
		For Mechanically Fastened To Concrete, Add	1.97	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.19	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.84	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.30	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.52	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.77	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.96	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	5.28	
07 22 16 00-0452	SF	6.25" Average Thickness (17.38 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	15.18	
		For Mechanically Fastened To Concrete, Add	1.97	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.19	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.84	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.30	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.52	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.77	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.96	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	5.28	
07 22 16 00-0453	SF	6.75" Average Thickness (18.77 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	16.84	
		For Mechanically Fastened To Concrete, Add	1.97	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.30	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	2.12	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.58	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.91	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	3.19	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	5.38	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	5.87	
07 22 16 00-0454		Mechanically Fastened, 1/4" Slope, Tapered Perlite Board (07 22 16 00-0442)		
07 22 16 00-0455	SF	2" Average Thickness (5.56 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened.....	6.14	
		For Mechanically Fastened To Concrete, Add	1.76	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.13	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.95	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.36	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.73	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.40	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.55	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.11	
07 22 16 00-0456	SF	3" Average Thickness (8.34 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened.....	8.86	
		For Mechanically Fastened To Concrete, Add	1.82	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.20	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.07	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.51	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.89	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.61	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.76	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.33	
07 22 16 00-0457	SF	4" Average Thickness (11.12 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened.....	10.22	
		For Mechanically Fastened To Concrete, Add	1.87	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.19	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.26	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.71	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.03	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.91	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.08	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.55	
07 22 16 00-0458	SF	5" Average Thickness (13.9 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened.....	13.05	
		For Mechanically Fastened To Concrete, Add	1.92	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.23	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.50	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.95	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.26	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.25	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.44	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.91	
07 22 16 00-0459	SF	6" Average Thickness (16.68 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened.....	14.54	
		For Mechanically Fastened To Concrete, Add	1.97	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.19	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.84	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.30	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.52	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.77	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.96	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	5.28	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof and Deck Insulation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 22 16 00-0460	SF	7" Average Thickness (19.46 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened.....	17.47
		For Mechanically Fastened To Concrete, Add	1.97
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.30
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	2.12
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.58
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.91
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	3.19
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	5.38
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	5.87

07 22 16 00-0461 Mechanically Fastened, 1/2" Slope, Tapered Perlite Board (07 22 16 00-0442)

07 22 16 00-0462	SF	3.5" Average Thickness (9.73 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened.....	10.13
		For Mechanically Fastened To Concrete, Add	1.82
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.26
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.07
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.51
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.95
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.61
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.76
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.42
07 22 16 00-0463	SF	5.5" Average Thickness (15.29 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened.....	14.32
		For Mechanically Fastened To Concrete, Add	1.92
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.23
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.50
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.95
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.26
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.25
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.44
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.91
07 22 16 00-0464	SF	7.5" Average Thickness (20.85 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened.....	18.74
		For Mechanically Fastened To Concrete, Add	1.97
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.30
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	2.12
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.58
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.91
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	3.19
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	5.38
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	5.87
07 22 16 00-0465	SF	9.5" Average Thickness (26.41 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened.....	23.37
		For Mechanically Fastened To Concrete, Add	1.99
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	2.97
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	4.41
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.91
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	4.46
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	6.61
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	5.87

07 22 16 00-0466 Demolish Rigid Board Roofing Insulation (07 22 16)

Note: Includes removing any combination of roofing insulation systems and/or recovery board. Includes removal of any basic roof accessories and any sheet metals; except special existing conditions (mechanical equipment piping, electrical, ducts, etc.).

07 22 16 00-0467	SF	Demolish Up To 1/2" Average Thickness, Rigid Board Roofing Insulation	0.67
07 22 16 00-0468	SF	Demolish >1/2" To 1" Average Thickness, Rigid Board Roofing Insulation	0.69
07 22 16 00-0469	SF	Demolish >1" To 2" Average Thickness, Rigid Board Roofing Insulation	0.71
07 22 16 00-0470	SF	Demolish >2" To 3" Average Thickness, Rigid Board Roofing Insulation	0.73
07 22 16 00-0471	SF	Demolish >3" To 4" Average Thickness, Rigid Board Roofing Insulation	0.75
07 22 16 00-0472	SF	Demolish >4" To 5" Average Thickness, Rigid Board Roofing Insulation	0.77
07 22 16 00-0473	SF	Demolish >5" To 6" Average Thickness, Rigid Board Roofing Insulation	0.79
07 22 16 00-0474	SF	Demolish >6" To 7" Average Thickness, Rigid Board Roofing Insulation	0.80
07 22 16 00-0475	SF	Demolish >7" To 8" Average Thickness, Rigid Board Roofing Insulation	0.82
07 22 16 00-0476	SF	Demolish >8" To 9" Average Thickness, Rigid Board Roofing Insulation	0.84
07 22 16 00-0477	SF	Demolish >9" To 10" Average Thickness, Rigid Board Roofing Insulation	0.86
07 22 16 00-0478	SF	Demolish >10" To 11" Average Thickness, Rigid Board Roofing Insulation.....	0.88
07 22 16 00-0479	SF	Demolish >11" To 12" Average Thickness, Rigid Board Roofing Insulation.....	0.90

07 24 Exterior Insulation and Finish Systems (07 20)**07 24 13 Polymer-Based Exterior Insulation and Finish System** (07 24)**07 24 13 00-0001 Exterior Insulation Finishing System (EIFS)** (07 24 13)**07 24 13 00-0002 Insulation For Exterior Insulation Finishing Systems (EIFS)** (07 24 13 00-0001)

07 24 13 00-0003	SF	1" Thick, R3.85, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied.....	4.39
		For Up To 100, Add	0.94
		For >100 To 500, Add	0.47
		For >5,000, Deduct	-0.19
		For Adhesive And Mechanically Fastened To Wood Or Steel, Add	1.64
		For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add	2.42
07 24 13 00-0004	SF	1-1/2" Thick, R5.78, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied.....	4.97
		For Up To 100, Add	0.96
		For >100 To 500, Add	0.48
		For >5,000, Deduct	-0.19
		For Adhesive And Mechanically Fastened To Wood Or Steel, Add	1.67
		For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add	2.44

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 24 13 00-0005	SF		2" Thick, R7.70, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied	5.55	
			For Up To 100, Add	0.97	
			For >100 To 500, Add	0.49	
			For >5,000, Deduct	-0.19	
			For Adhesive And Mechanically Fastened To Wood Or Steel, Add	1.84	
			For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add	2.59	
07 24 13 00-0006	SF		2-1/2" Thick, R9.63, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied	6.12	
			For Up To 100, Add	0.98	
			For >100 To 500, Add	0.49	
			For >5,000, Deduct	-0.20	
			For Adhesive And Mechanically Fastened To Wood Or Steel, Add	1.93	
			For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add	2.73	
07 24 13 00-0007	SF		3" Thick, R11.55, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied	6.68	
			For Up To 100, Add	0.99	
			For >100 To 500, Add	0.50	
			For >5,000, Deduct	-0.20	
			For Adhesive And Mechanically Fastened To Wood Or Steel, Add	1.93	
			For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add	2.73	
07 24 13 00-0008	SF		4" Thick, R15.40, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied	7.81	
			For Up To 100, Add	1.01	
			For >100 To 500, Add	0.50	
			For >5,000, Deduct	-0.20	
			For Adhesive And Mechanically Fastened To Wood Or Steel, Add	2.16	
			For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add	2.91	
07 24 13 00-0009			Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (07 24 13 00-0001)		
			Note: Includes applying a layer of base coat to the insulation board and fully embedding the reinforcing fabric in the wet base coat.		
07 24 13 00-0010	SF		4.3 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit S-Mesh), Embedded In A Layer Of Base Coat	5.84	
			For Up To 100, Add	1.89	
			For >100 To 500, Add	0.94	
			For >5,000, Deduct	-0.38	
07 24 13 00-0011	SF		6.0 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit SP-Mesh), Embedded In A Layer Of Base Coat	6.45	
			For Up To 100, Add	1.89	
			For >100 To 500, Add	0.94	
			For >5,000, Deduct	-0.38	
07 24 13 00-0012	SF		15.0 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit Panzer® 15), Embedded In A Layer Of Base Coat	8.09	
			For Up To 100, Add	1.89	
			For >100 To 500, Add	0.94	
			For >5,000, Deduct	-0.38	
07 24 13 00-0013	SF		20.0 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit Panzer® 20), Embedded In A Layer Of Base Coat	8.59	
			For Up To 100, Add	1.89	
			For >100 To 500, Add	0.94	
			For >5,000, Deduct	-0.38	
07 24 13 00-0014			Base Coats For Exterior Insulation Finishing Systems (EIFS) (07 24 13 00-0001)		
07 24 13 00-0015	SF		Polymer-Based, Fiber-Reinforced Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Genesis® DM)	2.85	
			For Up To 100, Add	0.94	
			For >100 To 500, Add	0.47	
			For >5,000, Deduct	-0.19	
07 24 13 00-0016	SF		Acrylic-Modified, Fiber-Reinforced Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Genesis®)	3.30	
			For Up To 100, Add	0.94	
			For >100 To 500, Add	0.47	
			For >5,000, Deduct	-0.19	
07 24 13 00-0017	SF		Water Resistant, Acrylic Co-Polymer Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Dryflex®)	5.74	
			For Up To 100, Add	0.94	
			For >100 To 500, Add	0.47	
			For >5,000, Deduct	-0.19	
07 24 13 00-0018	SF		Hydrostatic Water Resistant, Acrylic Co-Polymer Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Dryflex®)	7.68	
			For Up To 100, Add	0.94	
			For >100 To 500, Add	0.47	
			For >5,000, Deduct	-0.19	
07 24 13 00-0019			Finish Coats For Exterior Insulation Finishing Systems (EIFS) (07 24 13 00-0001)		
			Note: Includes all standard manufacturers' colors.		
07 24 13 00-0020	SF		100% Acrylic-Based Aggregate Fine Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit DPR Finish)	4.86	
			For Up To 100, Add	1.89	
			For >100 To 500, Add	0.94	
			For >5,000, Deduct	-0.38	
07 24 13 00-0021	SF		100% Acrylic-Based Aggregate Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit DPR Finish)	4.96	
			For Up To 100, Add	1.89	
			For >100 To 500, Add	0.94	
			For >5,000, Deduct	-0.38	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 24 Exterior Insulation and Finish Systems**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
07 24 13 00-0022	SF	Lightweight Elastic, 100% Acrylic-Based Aggregate Fine Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit E™ Finish)	5.67	
		For Up To 100, Add	1.89	
		For >100 To 500, Add	0.94	
		For >5,000, Deduct	-0.38	
07 24 13 00-0023	SF	Lightweight Elastic, 100% Acrylic-Based Aggregate Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit E™ Finish).....	6.31	
		For Up To 100, Add	1.89	
		For >100 To 500, Add	0.94	
		For >5,000, Deduct	-0.38	
07 24 13 00-0024	SF	Mildew Resistant, 100% Acrylic-Based Aggregate Fine Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit PMR™ Finish).....	5.68	
		For Up To 100, Add	1.89	
		For >100 To 500, Add	0.94	
		For >5,000, Deduct	-0.38	
07 24 13 00-0025	SF	Mildew Resistant, 100% Acrylic-Based Aggregate Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit PMR™ Finish).....	6.31	
		For Up To 100, Add	1.89	
		For >100 To 500, Add	0.94	
		For >5,000, Deduct	-0.38	
07 24 13 00-0026	SF	Flexible Elastomeric, 100% Acrylic-Based Smooth Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Weatherlastic® Smooth)	5.06	
		For Up To 100, Add	1.89	
		For >100 To 500, Add	0.94	
		For >5,000, Deduct	-0.38	
07 24 13 00-0027	SF	Flexible Elastomeric, 100% Acrylic-Based Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Weatherlastic®).....	5.72	
		For Up To 100, Add	1.89	
		For >100 To 500, Add	0.94	
		For >5,000, Deduct	-0.38	
07 24 13 00-0028	SF	100% Acrylic-Based Finish With Multi-Colored Quartz Aggregates, Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Ameristone™)	11.38	
		For Up To 100, Add	1.89	
		For >100 To 500, Add	0.94	
		For >5,000, Deduct	-0.38	
07 24 13 00-0029		Primer And Sealers For Exterior Insulation Finishing Systems (EIFS) (07 24 13 00-0001)		
07 24 13 00-0030	SF	100% Acrylic-Based Primer/Adhesion Promoter For Exterior Insulation Finishing Systems (EIFS) (Dryvit Prymit®)	1.46	
		For Up To 100, Add	0.53	
		For >100 To 500, Add	0.27	
		For >5,000, Deduct	-0.11	
07 24 13 00-0031	SF	100% Acrylic Emulsion Primer/Sealer For Exterior Insulation Finishing Systems (EIFS) (Dryvit SealClear™).....	1.49	
		For Up To 100, Add	0.53	
		For >100 To 500, Add	0.27	
		For >5,000, Deduct	-0.11	
07 24 13 00-0032		Air/Water/Vapor Barriers For Exterior Insulation Finishing Systems (EIFS) (07 24 13 00-0001)		
07 24 13 00-0033	SF	Smooth, High Performance, Polymer-Based, Non-Cementitious Water-Resistive Membrane And Air Barrier For Exterior Insulation Finishing Systems (EIFS) (Dryvit Backstop® NT™), Per Coat	1.99	
		For Up To 100, Add	0.53	
		For >100 To 500, Add	0.27	
		For >5,000, Deduct	-0.11	
07 24 13 00-0034	SF	Texture, High Performance, Polymer-Based, Non-Cementitious Water-Resistive Membrane And Air Barrier For Exterior Insulation Finishing Systems (EIFS) (Dryvit Backstop® NT™), Per Coat	2.45	
		For Up To 100, Add	0.53	
		For >100 To 500, Add	0.27	
		For >5,000, Deduct	-0.11	
07 24 13 00-0035		Drainage Accessories For Exterior Insulation Finishing Systems (EIFS) (07 24 13 00-0001)		
07 24 13 00-0036	SF	1/8" Thick, Flexible Polyamide Drainage Mat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Drainage Mat)	3.03	
		For Up To 100, Add	0.59	
		For >100 To 500, Add	0.30	
		For >5,000, Deduct	-0.12	
07 24 13 00-0037		Starter Tracks For Exterior Insulation Finishing Systems (EIFS) (07 24 13 00-0001)		
07 24 13 00-0038	LF	1" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP).....	4.40	
07 24 13 00-0039	LF	1-1/2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP).....	4.74	
07 24 13 00-0040	LF	2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP).....	5.14	
07 24 13 00-0041	LF	3" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP).....	5.97	
07 24 13 00-0042	LF	1" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE).....	4.74	
07 24 13 00-0043	LF	1-1/2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE).....	5.14	
07 24 13 00-0044	LF	2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE).....	5.53	
07 24 13 00-0045	LF	3" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE).....	6.45	
07 24 13 00-0046		Demolish Exterior Insulation Finishing Systems (EIFS) (07 24 13 00-0001)		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 24 13 00-0047	SF	Demolish Exterior Insulation Finishing Systems (EIFS).....	7.90	
		Note: Includes demolition of all finish coats, base coats, reinforcing layers and insulation layers down to the substrate. Excludes demolition of sheathing.		
		For Up To 100, Add	3.95	
		For >100 To 500, Add	1.98	
		For >5,000, Deduct	-0.79	

07 25 Weather Barriers ⁽⁰⁷⁾

07 26 Vapor Retarders ^(07 26)

07 26 13 Above-Grade Vapor Retarders ^(07 26)

07 26 13 00-0001	CSF	Two Layer Kraft Paper Laminated With Asphalt, Grade "B" Building Paper (Aquabar B).....	34.43	
07 26 13 00-0002	CSF	Asphalt Saturated Kraft Building Paper, Grade D (Fortifiber Jumbo Tex).....	32.10	
07 26 13 00-0003	CSF	60 Minute Asphalt Saturated Kraft Building Paper, Grade D (Fortifiber Super Jumbo Tex 60 Minute).....	39.57	
07 26 13 00-0004	CSF	Two Ply 60 Minute Asphalt Saturated Kraft Building Paper, Grade D (Fortifiber Two Ply Super Jumbo Tex 60 Minute)	50.54	
07 26 13 00-0005	CSF	Regular Weight Red Rosin Sized Sheathing	29.70	
07 26 13 00-0006	CLF	6" Wide Two Layer Kraft Paper Laminated With Asphalt, Building Flashing Paper (Bond Beam Paper).....	100.17	
07 26 13 00-0007	CLF	4" Wide Self-Adhering Butyl Sealing Tape.....	149.40	
07 26 13 00-0008	CLF	6" Wide Self Adhesive Butyl Sealing Tape	213.98	
07 26 13 00-0009	CLF	9" Wide Self Adhesive Butyl Sealing Tape	295.15	
07 26 13 00-0010	CSF	Building Wrap (Tyvek)	96.27	

07 27 Air Barriers ^(07 25)

07 27 23 Board Product Air Barriers ^(07 27)

07 27 23 00-0001 Barriers For Plenums ^(07 27 23)

07 27 23 00-0002	SF	0.5" Thick Lead Vinyl Acoustic Plenum Barrier 0.48 Lb./SF	14.12	3.85
		For Up To 50, Add	5.14	
		For >50 To 200, Add	2.92	
		For >200 To 500, Add	1.08	
		For >2,500, Deduct	-0.71	
07 27 23 00-0003	SF	0.625" Thick Lead Vinyl Acoustic Plenum Barrier 0.87 Lb./SF	15.27	3.85
		For Up To 50, Add	5.60	
		For >50 To 200, Add	3.18	
		For >200 To 500, Add	1.18	
		For >2,500, Deduct	-0.76	
07 27 23 00-0004	SF	Aluminum Foil Fiberglass Reinforced Plenum Bar Parallel With Joists 1" Thick.....	5.59	2.56
		For Up To 50, Add	2.71	
		For >50 To 200, Add	1.49	
		For >200 To 500, Add	0.51	
		For >2,500, Deduct	-0.28	
07 27 23 00-0005	SF	Aluminum Foil Fiberglass Reinforced Plenum Bar Perpendicular With Joists 1" Thick	10.22	3.85
		For Up To 50, Add	4.85	
		For >50 To 200, Add	2.68	
		For >200 To 500, Add	0.93	
		For >2,500, Deduct	-0.51	
07 27 23 00-0006	SF	Aluminum Mesh Barrier For Plenum Kraft Paper Backed.....	6.91	2.56
		For Up To 50, Add	2.90	
		For >50 To 200, Add	1.63	
		For >200 To 500, Add	0.58	
		For >2,500, Deduct	-0.35	
07 27 23 00-0007	SF	1/64" Thick Sheet Lead Barrier For Plenum 1 Lb./SF.....	10.78	2.56
		For Up To 50, Add	3.33	
		For >50 To 200, Add	1.93	
		For >200 To 500, Add	0.75	
		For >2,500, Deduct	-0.54	

07 27 23 00-0008 Under Slab Insulation, Extruded Polystyrene (XPS) Sheets ^(07 27 23)

07 27 23 00-0009	SF	1" Extruded Polystyrene Foam (XPS) Sheet Under Slab Insulation	2.20	
07 27 23 00-0010	SF	2" Extruded Polystyrene Foam (XPS) Sheet Under Slab Insulation	3.27	
07 27 23 00-0011	SF	3" Extruded Polystyrene Foam (XPS) Sheet Under Slab Insulation	4.20	
07 27 23 00-0012	SF	4" Extruded Polystyrene Foam (XPS) Sheet Under Slab Insulation	5.12	

07 30 Steep Slope Roofing ⁽⁰⁷⁾

Note: Includes starter strips and manufacturer's product specific warranties.

07 31 Shingles and Shakes ^(07 30)

07 31 13 Asphalt Shingles ^(07 31)

07 31 13 13 Fiberglass-Reinforced Asphalt Shingles ^(07 31 13)

07 31 13 13-0001 Three Tab Fiberglass Reinforced, Asphalt Composition Shingle ^(07 31 13 13)

07 31 13 13-0002	SQ	200 Lb./SQ, 5" Exposure, Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed CT 20).....	303.83	221.04
		For >35 To 75, Deduct	-10.28	
		For >75 To 100, Deduct	-17.36	
		For >100 To 200, Deduct	-26.50	
		For >200, Deduct	-40.66	
		For Steep Roof, Over 7 To 12, Add	64.33	

07 Thermal And Moisture Protection**07 30 Steep Slope Roofing****07 31 Shingles and Shakes**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 31 13 13-0003	SQ	220 Lb./SQ, 5" Exposure, Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed XT 25)	318.69	232.14
		<i>For >35 To 75, Deduct</i>	-10.77	
		<i>For >75 To 100, Deduct</i>	-18.19	
		<i>For >100 To 200, Deduct</i>	-27.78	
		<i>For >200, Deduct</i>	-42.64	
		<i>For Steep Roof, Over 7 To 12, Add</i>	67.53	
07 31 13 13-0004	SQ	235 Lb./SQ, 5" Exposure, Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed XT 30)	363.48	243.71
		<i>For >35 To 75, Deduct</i>	-14.18	
		<i>For >75 To 100, Deduct</i>	-22.56	
		<i>For >100 To 200, Deduct</i>	-33.78	
		<i>For >200, Deduct</i>	-50.53	
		<i>For Steep Roof, Over 7 To 12, Add</i>	70.92	

07 31 13 13-0005 Architectural Fiberglass Reinforced, Asphalt Composition Shingle (07 31 13 13)

Note: Excludes underlayment, drip edges, and ridge vent/shingles.

07 31 13 13-0006	SQ	245 Lb./SQ, 5" Exposure, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark)	380.30	282.18
		<i>For >35 To 75, Deduct</i>	-12.38	
		<i>For >75 To 100, Deduct</i>	-21.27	
		<i>For >100 To 200, Deduct</i>	-32.63	
		<i>For >200, Deduct</i>	-50.41	
		<i>For Steep Roof, Over 7 To 12, Add</i>	82.08	
07 31 13 13-0007	SQ	240 Lb./SQ, 8" Exposure, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Highland Slate)	396.17	268.67
		<i>For >35 To 75, Deduct</i>	-15.19	
		<i>For >75 To 100, Deduct</i>	-24.33	
		<i>For >100 To 200, Deduct</i>	-36.51	
		<i>For >200, Deduct</i>	-54.80	
		<i>For Steep Roof, Over 7 To 12, Add</i>	78.18	
07 31 13 13-0008	SQ	265 Lb./SQ, 5" Exposure, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark Plus)	430.28	296.29
		<i>For >35 To 75, Deduct</i>	-16.09	
		<i>For >75 To 100, Deduct</i>	-26.04	
		<i>For >100 To 200, Deduct</i>	-39.21	
		<i>For >200, Deduct</i>	-59.12	
		<i>For Steep Roof, Over 7 To 12, Add</i>	86.21	
07 31 13 13-0009	SQ	235 Lb./SQ, 8" Exposure, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Hatteras)	409.01	255.89
		<i>For >35 To 75, Deduct</i>	-17.64	
		<i>For >75 To 100, Deduct</i>	-26.98	
		<i>For >100 To 200, Deduct</i>	-39.85	
		<i>For >200, Deduct</i>	-58.54	
		<i>For Steep Roof, Over 7 To 12, Add</i>	74.44	
07 31 13 13-0010	SQ	300 Lb./SQ, 5" Exposure, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark Premium)	464.56	311.12
		<i>For >35 To 75, Deduct</i>	-18.18	
		<i>For >75 To 100, Deduct</i>	-28.88	
		<i>For >100 To 200, Deduct</i>	-43.22	
		<i>For >200, Deduct</i>	-64.63	
		<i>For Steep Roof, Over 7 To 12, Add</i>	90.49	
07 31 13 13-0011	SQ	300 Lb./SQ, 5" Exposure, Random Laminated Tabs, One Piece, Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Independence)	491.21	311.12
		<i>For >35 To 75, Deduct</i>	-20.84	
		<i>For >75 To 100, Deduct</i>	-32.08	
		<i>For >100 To 200, Deduct</i>	-47.49	
		<i>For >200, Deduct</i>	-69.96	
		<i>For Steep Roof, Over 7 To 12, Add</i>	90.49	
07 31 13 13-0012	SQ	355 Lb./SQ, 4" Exposure, Sculpted Edge, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Presidential Shake)	537.14	342.96
		<i>For >35 To 75, Deduct</i>	-22.53	
		<i>For >75 To 100, Deduct</i>	-34.83	
		<i>For >100 To 200, Deduct</i>	-51.64	
		<i>For >200, Deduct</i>	-76.24	
		<i>For Steep Roof, Over 7 To 12, Add</i>	99.79	
07 31 13 13-0013	SQ	340 Lb./SQ, 5" Exposure, Three Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark TL)	529.79	326.67
		<i>For >35 To 75, Deduct</i>	-23.29	
		<i>For >75 To 100, Deduct</i>	-35.37	
		<i>For >100 To 200, Deduct</i>	-52.11	
		<i>For >200, Deduct</i>	-76.27	
		<i>For Steep Roof, Over 7 To 12, Add</i>	95.00	
07 31 13 13-0014	SQ	300 Lb./SQ, 5" Exposure, Reflective Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark Solaris)	523.97	311.12
		<i>For >35 To 75, Deduct</i>	-24.12	
		<i>For >75 To 100, Deduct</i>	-36.01	
		<i>For >100 To 200, Deduct</i>	-52.73	
		<i>For >200, Deduct</i>	-76.52	
		<i>For Steep Roof, Over 7 To 12, Add</i>	90.49	
07 31 13 13-0015	SQ	355 Lb./SQ, 8" Exposure, Two Full Size Layers, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Centennial Slate)	608.88	342.96
		<i>For >35 To 75, Deduct</i>	-29.70	
		<i>For >75 To 100, Deduct</i>	-43.44	
		<i>For >100 To 200, Deduct</i>	-63.12	
		<i>For >200, Deduct</i>	-90.59	
		<i>For Steep Roof, Over 7 To 12, Add</i>	99.79	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 13 13-0016	SQ		355 Lb./SQ, 8" Exposure, Scalloped Cut, Two Full Size Layers, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Carriage House).....	627.56	342.96
			For >35 To 75, Deduct	-31.57	
			For >75 To 100, Deduct	-45.68	
			For >100 To 200, Deduct	-66.11	
			For >200, Deduct	-94.33	
			For Steep Roof, Over 7 To 12, Add	99.79	
07 31 13 13-0017	SQ		480 Lb./SQ, 4" Exposure, Sculpted Edge, Three Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Presidential Shake TL)	696.57	378.17
			For >35 To 75, Deduct	-35.28	
			For >75 To 100, Deduct	-50.93	
			For >100 To 200, Deduct	-73.63	
			For >200, Deduct	-104.93	
			For Steep Roof, Over 7 To 12, Add	110.02	
07 31 13 13-0018	SQ		425 Lb./SQ, 8" Exposure, Random Laminated Tabs, Two Full Size Layers, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed GrandManor).....	683.40	360.08
			For >35 To 75, Deduct	-35.60	
			For >75 To 100, Deduct	-50.91	
			For >100 To 200, Deduct	-73.33	
			For >200, Deduct	-103.94	
			For Steep Roof, Over 7 To 12, Add	104.77	
07 31 13 13-0019 Asphalt Shingle Accessories (07 31 13 13)					
07 31 13 13-0020	LF		Hip And Ridge Roll Vent	9.27	1.33
			Note: Excludes shingles.		
07 31 13 13-0021	LF		Three Tab Hip And Ridge Shingles	4.37	3.29
07 31 13 13-0022	LF		Architectural Hip And Ridge Shingles	5.21	3.66
07 31 13 13-0023	SQ		Demolish Each Additional Layer Of Shingles	102.50	
07 31 16 Metal Shingles (07 31)					
07 31 16 00-0001 Aluminum Shingles (07 31 16)					
07 31 16 00-0002	SQ		Aluminum Shingles, Mill Finish, 0.020" Thick	822.46	213.98
			For Colors, Anodized Finish, Add	30.00	
			For Bonderized Finish, Add	47.00	
			For 1" Factory Applied Polystyrene, Add	37.00	
07 31 16 00-0003	SQ		Aluminum Shingles, Mill Finish, 0.030" Thick	1,102.42	233.87
			For Colors, Anodized Finish, Add	30.00	
			For Bonderized Finish, Add	47.00	
			For 1" Factory Applied Polystyrene, Add	37.00	
07 31 16 00-0004	LF		Aluminum Shingles, Ridge Cap, 0.020" Thick	14.73	3.08
07 31 16 00-0005	LF		Aluminum Shingles, Ridge Cap, 0.030" Thick	15.38	3.08
07 31 16 00-0006	LF		Aluminum Shingles, Valley Section, 0.020" Thick	9.93	3.08
07 31 16 00-0007	LF		Aluminum Shingles, Valley Section, 0.030" Thick	11.21	3.08
07 31 16 00-0008 Galvanized Steel Shingles (07 31 16)					
07 31 16 00-0009	SQ		24 Gauge, 0.0276" Thickness, Galvanized Steel Shingles	645.62	183.13
			For Factory Applied 1" Polystyrene Insulation, Add	24.75	
			For >50 To 75, Deduct	-11.17	
			For >75 To 100, Deduct	-28.71	
			For >100 To 200, Deduct	-49.04	
			For >200, Deduct	-66.58	
			For Steep Roof, Over 7 To 12, Add	117.22	
07 31 16 00-0010	SQ		26 Gauge, 0.0217" Thickness, Galvanized Steel Shingles	619.50	181.66
			For Factory Applied 1" Polystyrene Insulation, Add	24.75	
			For >50 To 75, Deduct	-10.25	
			For >75 To 100, Deduct	-27.02	
			For >100 To 200, Deduct	-46.35	
			For >200, Deduct	-63.12	
			For Steep Roof, Over 7 To 12, Add	116.22	
07 31 16 00-0011	SQ		24 Gauge, 0.0276" Thickness, Galvanized And Bonderized Steel Shingles.....	1,052.82	183.13
			For Factory Applied 1" Polystyrene Insulation, Add	24.75	
			For >50 To 75, Deduct	-27.46	
			For >75 To 100, Deduct	-57.21	
			For >100 To 200, Deduct	-93.83	
			For >200, Deduct	-123.58	
			For Steep Roof, Over 7 To 12, Add	117.22	
07 31 16 00-0012	SQ		26 Gauge, 0.0276" Thickness, Galvanized And Bonderized Steel Shingles.....	965.07	181.66
			For Factory Applied 1" Polystyrene Insulation, Add	24.75	
			For >50 To 75, Deduct	-24.07	
			For >75 To 100, Deduct	-51.21	
			For >100 To 200, Deduct	-84.37	
			For >200, Deduct	-111.50	
			For Steep Roof, Over 7 To 12, Add	116.22	
07 31 16 00-0013	LF		Galvanized Steel Shingles, Ridge Or Valley	10.67	2.44
			For Factory Applied 1" Polystyrene Insulation, Add	24.75	
			For >50 To 75, Deduct	-0.24	
			For >75 To 100, Deduct	-0.53	
			For >100 To 200, Deduct	-0.89	
			For >200, Deduct	-1.18	
			For Steep Roof, Over 7 To 12, Add	1.53	
07 31 26 Slate Shingles (07 31)					
			Note: Includes 30 Lb. felt and fasteners.		
07 31 26 00-0001 Shingles Including 30 Lb. Felt And Nails (07 31 26)					

07 Thermal And Moisture Protection**07 30 Steep Slope Roofing****07 31 Shingles and Shakes**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 31 26 00-0002	SQ	Slate Shingles, Buckingham, Virginia Black, 3/16" Thick.....	1,270.92	312.35
		For >50 To 75, Deduct	-23.07	
		For >75 To 100, Deduct	-57.73	
		For >100 To 200, Deduct	-98.16	
		For >200, Deduct	-132.81	
		For Graduated Shapes, Add	86.53	
		For Steep Roof, Over 7 To 12, Add	222.10	
07 31 26 00-0003	SQ	Slate Shingles, Buckingham, Virginia Black, 1/4" Thick.....	1,426.58	312.35
		For >50 To 75, Deduct	-29.30	
		For >75 To 100, Deduct	-68.63	
		For >100 To 200, Deduct	-115.28	
		For >200, Deduct	-154.61	
		For Graduated Shapes, Add	109.88	
		For Steep Roof, Over 7 To 12, Add	222.10	
07 31 26 00-0004	SQ	Slate Shingles, Penn Black Bangor.....	1,379.89	312.35
		For >50 To 75, Deduct	-27.43	
		For >75 To 100, Deduct	-65.36	
		For >100 To 200, Deduct	-110.14	
		For >200, Deduct	-148.07	
		For Graduated Shapes, Add	102.87	
		For Steep Roof, Over 7 To 12, Add	222.10	
07 31 26 00-0005	SQ	Slate Shingles, Vermont, Unfading Colors, Green.....	1,395.45	312.35
		For >50 To 75, Deduct	-28.06	
		For >75 To 100, Deduct	-66.45	
		For >100 To 200, Deduct	-111.86	
		For >200, Deduct	-150.25	
		For Graduated Shapes, Add	105.21	
		For Steep Roof, Over 7 To 12, Add	222.10	
07 31 26 00-0006	SQ	Slate Shingles, Vermont, Unfading Colors, Semi-Weathered, Green/Gray.....	1,457.72	312.35
		For >50 To 75, Deduct	-30.55	
		For >75 To 100, Deduct	-70.81	
		For >100 To 200, Deduct	-118.71	
		For >200, Deduct	-158.97	
		For Graduated Shapes, Add	114.55	
		For Steep Roof, Over 7 To 12, Add	222.10	
07 31 26 00-0007	SQ	Slate Shingles, Vermont, Unfading Color, Purple.....	1,379.89	312.35
		For >50 To 75, Deduct	-27.43	
		For >75 To 100, Deduct	-65.36	
		For >100 To 200, Deduct	-110.14	
		For >200, Deduct	-148.07	
		For Graduated Shapes, Add	102.87	
		For Steep Roof, Over 7 To 12, Add	222.10	
07 31 26 00-0008	SQ	Slate Shingles, Vermont, Unfading Color, Black Or Gray.....	1,333.19	312.35
		For >50 To 75, Deduct	-25.56	
		For >75 To 100, Deduct	-62.09	
		For >100 To 200, Deduct	-105.01	
		For >200, Deduct	-141.53	
		For Graduated Shapes, Add	95.87	
		For Steep Roof, Over 7 To 12, Add	222.10	
07 31 26 00-0009	SQ	Slate Shingles, Vermont, Unfading Color, Red.....	2,305.85	312.35
		For >50 To 75, Deduct	-64.47	
		For >75 To 100, Deduct	-130.18	
		For >100 To 200, Deduct	-212.00	
		For >200, Deduct	-277.70	
		For Graduated Shapes, Add	241.77	
		For Steep Roof, Over 7 To 12, Add	222.10	
07 31 26 00-0010	SQ	Slate Shingles, Vermont, Unfading Color, Variegated Purple.....	1,379.89	312.35
		For >50 To 75, Deduct	-27.43	
		For >75 To 100, Deduct	-65.36	
		For >100 To 200, Deduct	-110.14	
		For >200, Deduct	-148.07	
		For Graduated Shapes, Add	102.87	
		For Steep Roof, Over 7 To 12, Add	222.10	

07 31 29 Wood Shingles and Shakes (07 31)**07 31 29 13 Wood Shingles** (07 31 29)**07 31 29 13-0001 #1 Grade, Red Cedar Shingles** (07 31 29 13)**07 31 29 13-0002 #1 Grade, Red Cedar Shingles Installed On Roofs** (07 31 29 13-0001)

07 31 29 13-0003	SQ	3-3/4" Exposure, 16" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof.....	1,007.38	256.68
		For Steep Roof, Over 7 To 12, Add	164.28	
		For Pressure-Impregnated Treated (Preservative), Add	74.10	
07 31 29 13-0004	SQ	5" Exposure, 16" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof.....	730.85	192.51
		For Steep Roof, Over 7 To 12, Add	123.21	
		For Pressure-Impregnated Treated (Preservative), Add	51.87	
07 31 29 13-0005	SQ	4-1/2" Exposure, 18" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof.....	893.31	218.18
		For Steep Roof, Over 7 To 12, Add	139.64	
		For Pressure-Impregnated Treated (Preservative), Add	68.54	
07 31 29 13-0006	SQ	5-1/2" Exposure, 18" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof.....	731.77	179.68
		For Steep Roof, Over 7 To 12, Add	114.99	
		For Pressure-Impregnated Treated (Preservative), Add	55.86	
07 31 29 13-0007	SQ	5-3/4" Exposure, 24" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof.....	962.61	170.05
		For Steep Roof, Over 7 To 12, Add	108.83	
		For Pressure-Impregnated Treated (Preservative), Add	93.38	
07 31 29 13-0008	SQ	7-1/2" Exposure, 24" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof.....	746.30	144.38
		For Steep Roof, Over 7 To 12, Add	92.40	
		For Pressure-Impregnated Treated (Preservative), Add	68.63	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 29 13-0009		#1 Grade, Red Cedar Shingles Installed On Walls (07 31 29 13-0001)		
07 31 29 13-0010	SQ	7" Exposure, 16" Shingle, #1 Grade, Red Cedar Shingles Installed On Wall For Pressure-Impregnated Treated (Preservative), Add	709.04 37.05	231.01
07 31 29 13-0011	SQ	8" Exposure, 18" Shingle, #1 Grade, Red Cedar Shingles Installed On Wall For Pressure-Impregnated Treated (Preservative), Add	693.20 38.53	218.18
07 31 29 13-0012	SQ	10-1/2" Exposure, 24" Shingle, #1 Grade, Red Cedar Shingles Installed On Wall For Pressure-Impregnated Treated (Preservative), Add	705.42 49.02	189.31
07 31 29 13-0013		#2 Grade, Red Cedar Shingles (07 31 29 13)		
07 31 29 13-0014		#2 Grade, Red Cedar Shingles Installed On Roofs (07 31 29 13-0013)		
07 31 29 13-0015	SQ	3-1/2" Exposure, 16" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof..... For Steep Roof, Over 7 To 12, Add For Pressure-Impregnated Treated (Preservative), Add	938.05 172.49 59.85	269.52
07 31 29 13-0016	SQ	4" Exposure, 16" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof..... For Steep Roof, Over 7 To 12, Add For Pressure-Impregnated Treated (Preservative), Add	836.83 156.06 52.37	243.85
07 31 29 13-0017	SQ	4" Exposure, 18" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof..... For Steep Roof, Over 7 To 12, Add For Pressure-Impregnated Treated (Preservative), Add	891.30 156.06 60.54	243.85
07 31 29 13-0018	SQ	4-1/2" Exposure, 18" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof..... For Steep Roof, Over 7 To 12, Add For Pressure-Impregnated Treated (Preservative), Add	795.40 139.64 53.86	218.18
07 31 29 13-0019	SQ	5-3/4" Exposure, 24" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof..... For Steep Roof, Over 7 To 12, Add For Pressure-Impregnated Treated (Preservative), Add	774.41 108.83 65.15	170.05
07 31 29 13-0020	SQ	6-1/2" Exposure, 24" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof..... For Steep Roof, Over 7 To 12, Add For Pressure-Impregnated Treated (Preservative), Add	633.46 94.46 50.74	147.59
07 31 29 13-0021		#2 Grade, Red Cedar Shingles Installed On Walls (07 31 29 13-0013)		
07 31 29 13-0022	SQ	6" Exposure, 16" Shingle, #2 Grade, Red Cedar Shingles Installed On Wall For Pressure-Impregnated Treated (Preservative), Add	687.20 29.93	243.85
07 31 29 13-0023	SQ	7" Exposure, 18" Shingle, #2 Grade, Red Cedar Shingles Installed On Wall For Pressure-Impregnated Treated (Preservative), Add	663.83 30.27	231.01
07 31 29 13-0024	SQ	9" Exposure, 24" Shingle, #2 Grade, Red Cedar Shingles Installed On Wall For Pressure-Impregnated Treated (Preservative), Add	638.70 34.20	205.35
07 31 29 16		Wood Shakes (07 31 29)		
07 31 29 16-0001		#1 Grade, Red Cedar Shakes (07 31 29 16)		
07 31 29 16-0002		#1 Grade, Red Cedar Shakes Installed On Roofs (07 31 29 16-0001)		
07 31 29 16-0003	SQ	8-1/2" Exposure, 1/2" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Roof For Steep Roof, Over 7 To 12, Add For Pressure-Impregnated Treated (Preservative), Add	736.33 133.48 47.88	208.55
07 31 29 16-0004	SQ	8-1/2" Exposure, 3/4" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Roof For Steep Roof, Over 7 To 12, Add For Pressure-Impregnated Treated (Preservative), Add	842.73 133.48 63.84	208.55
07 31 29 16-0005	SQ	10" Exposure, 1/2" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Roof..... For Steep Roof, Over 7 To 12, Add For Pressure-Impregnated Treated (Preservative), Add	779.02 108.83 65.84	170.05
07 31 29 16-0006	SQ	10" Exposure, 3/4" Thick, 24" Shake, Red Cedar Shakes Installed On Roof..... For Steep Roof, Over 7 To 12, Add For Pressure-Impregnated Treated (Preservative), Add	824.24 108.83 72.62	170.05
07 31 29 16-0007		#1 Grade, Red Cedar Shakes Installed On Walls (07 31 29 16-0001)		
07 31 29 16-0008	SQ	8-1/2" Exposure, 1/2" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Wall For Pressure-Impregnated Treated (Preservative), Add	768.41 47.88	224.59
07 31 29 16-0009	SQ	8-1/2" Exposure, 3/4" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Wall For Pressure-Impregnated Treated (Preservative), Add	874.81 63.84	224.59
07 31 29 16-0010	SQ	10" Exposure, 1/2" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Wall For Pressure-Impregnated Treated (Preservative), Add	823.95 65.84	192.51
07 31 29 16-0011	SQ	10" Exposure, 3/4" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Wall For Pressure-Impregnated Treated (Preservative), Add	869.17 72.62	192.51
07 31 29 19		Wood Shingles And Shakes Cap (07 31 29)		
07 31 29 19-0001		Accessories (07 31 29 19)		
07 31 29 19-0002	LF	Hip Or Ridge Cap For Wood Shingles Or Shakes For Steep Roof, Over 7 To 12, Add For Pressure-Impregnated Treated (Preservative) Ridge, Add	12.31 1.24 1.26	1.67
07 31 33		Composite Rubber Shingles (07 31)		
07 31 33 00-0001		Synthetic Polymeric Rubber Slate Shingles (07 31 33) Note: As manufactured by EcoStar.		

07 Thermal And Moisture Protection**07 30 Steep Slope Roofing****07 31 Shingles and Shakes**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 31 33 00-0002	SQ	Class C Rectangular Edges Polymeric Rubber Slate Shingles, 7.0" Exposure	1,444.98	286.75
		Note: Gray or black.		
		For Purple Or Green Color, Add	139.45	
		For Brown Or Red Color, Add	357.33	
		For Steep Roof, Over 7 To 12, Add	183.50	
		For >50 To 75, Deduct	-21.79	
		For >75 To 100, Deduct	-57.91	
		For >100 To 200, Deduct	-94.04	
		For >200, Deduct	-144.50	
		For 6.5" Exposure, Add	100.48	
		For 6.0" Exposure, Add	200.96	
07 31 33 00-0003	SQ	Class A Rectangular Edges Polymeric Rubber Slate Shingles, 7.0" Exposure.....	2,026.01	286.75
		Note: Fire resistant. Gray or black.		
		For Purple, Green, Brown Or Red, Add	217.89	
		For Steep Roof, Over 7 To 12, Add	183.50	
		For >50 To 75, Deduct	-36.31	
		For >75 To 100, Deduct	-86.96	
		For >100 To 200, Deduct	-137.61	
		For >200, Deduct	-202.60	
		For 6.5" Exposure, Add	141.99	
		For 6.0" Exposure, Add	283.97	
07 31 33 00-0004	SQ	Class C Shaped Polymeric Rubber Slate Shingle, 7.0" Exposure	1,684.23	286.75
		Note: Beaver tail, chisel point or beveled edges. Gray or black.		
		For Purple, Green, Brown Or Red, Add	399.88	
		For Steep Roof, Over 7 To 12, Add	183.50	
		For >50 To 75, Deduct	-27.77	
		For >75 To 100, Deduct	-69.88	
		For >100 To 200, Deduct	-111.98	
		For >200, Deduct	-168.42	
		For 6.5" Exposure, Add	117.57	
		For 6.0" Exposure, Add	235.14	
07 31 33 00-0005	SQ	Class A Shaped Polymeric Rubber Slate Shingle, 7.0" Exposure	2,145.64	286.75
		Note: Fire resistant. Beaver tail, chisel point or beveled edges. Gray or black.		
		For Purple, Green, Brown Or Red, Add	172.94	
		For Steep Roof, Over 7 To 12, Add	183.50	
		For >50 To 75, Deduct	-39.31	
		For >75 To 100, Deduct	-92.95	
		For >100 To 200, Deduct	-146.59	
		For >200, Deduct	-214.56	
		For 6.5" Exposure, Add	150.53	
		For 6.0" Exposure, Add	301.06	
07 31 33 00-0006	LF	Hip Or Ridge Polymeric Rubber Slate Shingle.....	16.52	1.93
		Note: Beveled or pointed edges, gray or black.		

07 32 Roof Tiles

(07 30)

07 32 13 Clay Roof Tiles

(07 32)

Note: 8-1/4" x 11" exposure. Includes mortar, battens, fasteners, felt underlayment and 90# cap sheet.

07 32 13 00-0001 Clay Roofing Tile 8-1/4" x 11" Exposure

(07 32 13)

Note: Includes mortar, battens, fasteners, felt underlayment and 90# cap sheet.

07 32 13 00-0002	SQ	Lanai Or Classic Tile, 158 Piece Per SQ	1,378.95	296.23
		For >25 To 50, Deduct	-47.19	
		For >50 To 75, Deduct	-93.46	
		For >75 To 100, Deduct	-131.86	
		For >100 To 200, Deduct	-162.40	
		For >200, Deduct	-185.08	
		For 20 Year Warranty, Add	55.05	
07 32 13 00-0003	SQ	Americana (Most Colors) Tile Roofing, 158 Piece Per SQ.....	1,630.41	296.23
		For >25 To 50, Deduct	-62.27	
		For >50 To 75, Deduct	-118.60	
		For >75 To 100, Deduct	-164.55	
		For >100 To 200, Deduct	-200.12	
		For >200, Deduct	-225.31	
		For 20 Year Warranty, Add	72.65	
07 32 13 00-0004	SQ	Americana (Green, Gray Or Brown) Tile, 158 Piece Per SQ	1,630.41	296.23
		For >25 To 50, Deduct	-62.27	
		For >50 To 75, Deduct	-118.60	
		For >75 To 100, Deduct	-164.55	
		For >100 To 200, Deduct	-200.12	
		For >200, Deduct	-225.31	
		For 20 Year Warranty, Add	72.65	
07 32 13 00-0005	SQ	Americana (Blue) Tile, 158 Piece Per SQ.....	1,843.77	296.23
		For >25 To 50, Deduct	-75.07	
		For >50 To 75, Deduct	-139.94	
		For >75 To 100, Deduct	-192.29	
		For >100 To 200, Deduct	-232.13	
		For >200, Deduct	-259.45	
		For 20 Year Warranty, Add	87.59	
07 32 13 00-0006	SQ	French Tile Roofing, Red, 133 Piece Per SQ	1,645.98	362.19
		For >25 To 50, Deduct	-55.30	
		For >50 To 75, Deduct	-110.27	
		For >75 To 100, Deduct	-156.03	
		For >100 To 200, Deduct	-192.57	
		For >200, Deduct	-219.90	
		For 20 Year Warranty, Add	64.51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
07 32 13 00-0007	SQ		French Tile Roofing, Blue Or Green, 133 Piece Per SQ.....	2,021.32	362.19
			For >25 To 50, Deduct	-77.82	
			For >50 To 75, Deduct	-147.81	
			For >75 To 100, Deduct	-204.82	
			For >100 To 200, Deduct	-248.87	
			For >200, Deduct	-279.95	
			For 20 Year Warranty, Add	90.79	
07 32 13 00-0008	SQ		Norman Tile Roofing, 317 Piece Per SQ	2,586.32	488.62
			For >25 To 50, Deduct	-96.56	
			For >50 To 75, Deduct	-185.36	
			For >75 To 100, Deduct	-258.07	
			For >100 To 200, Deduct	-314.68	
			For >200, Deduct	-355.19	
			For 20 Year Warranty, Add	112.66	
07 32 13 00-0009	SQ		Williamsburg Tile Roofing, Aged Cedar, 158 Piece Per SQ	1,458.19	362.19
			For >25 To 50, Deduct	-44.03	
			For >50 To 75, Deduct	-91.49	
			For >75 To 100, Deduct	-131.62	
			For >100 To 200, Deduct	-164.40	
			For >200, Deduct	-189.85	
			For 20 Year Warranty, Add	51.37	
07 32 13 00-0010	SQ		Williamsburg Tile Roofing, Gray Or Green, 158 Piece Per SQ.....	1,762.24	362.19
			For >25 To 50, Deduct	-62.27	
			For >50 To 75, Deduct	-121.90	
			For >75 To 100, Deduct	-171.14	
			For >100 To 200, Deduct	-210.01	
			For >200, Deduct	-238.50	
			For 20 Year Warranty, Add	72.65	
07 32 13 00-0011	SQ		Spanish Tile Roofing, Red, 171 Piece Per SQ	1,237.42	271.19
			For >25 To 50, Deduct	-41.70	
			For >50 To 75, Deduct	-83.06	
			For >75 To 100, Deduct	-117.47	
			For >100 To 200, Deduct	-144.93	
			For >200, Deduct	-165.44	
			For 20 Year Warranty, Add	48.65	
07 32 13 00-0012	SQ		Spanish Tile Roofing, Blend, 171 Piece Per SQ.....	1,565.08	271.19
			For >25 To 50, Deduct	-61.36	
			For >50 To 75, Deduct	-115.83	
			For >75 To 100, Deduct	-160.07	
			For >100 To 200, Deduct	-194.08	
			For >200, Deduct	-217.87	
			For 20 Year Warranty, Add	71.58	
07 32 13 00-0013	SQ		Spanish Tile Roofing, Glazed White, 171 Piece Per SQ.....	1,847.02	271.19
			For >25 To 50, Deduct	-78.27	
			For >50 To 75, Deduct	-144.02	
			For >75 To 100, Deduct	-196.72	
			For >100 To 200, Deduct	-236.37	
			For >200, Deduct	-262.98	
			For 20 Year Warranty, Add	91.32	
07 32 13 00-0014	SQ		Two Piece Mission Tile Roofing, 192 Piece Per SQ	2,269.08	425.10
			For >25 To 50, Deduct	-85.13	
			For >50 To 75, Deduct	-163.14	
			For >75 To 100, Deduct	-226.96	
			For >100 To 200, Deduct	-276.60	
			For >200, Deduct	-312.04	
			For 20 Year Warranty, Add	99.32	
07 32 13 00-0015	SQ		One Piece Mission Tile Roofing, 75 Piece Per SQ	1,051.29	296.23
			For >25 To 50, Deduct	-27.53	
			For >50 To 75, Deduct	-60.69	
			For >75 To 100, Deduct	-89.27	
			For >100 To 200, Deduct	-113.25	
			For >200, Deduct	-132.65	
			For 20 Year Warranty, Add	32.11	
07 32 13 00-0016	SQ		One Piece Mission Tile Roofing, 134 Piece Per SQ	1,411.83	425.10
			For >25 To 50, Deduct	-33.70	
			For >50 To 75, Deduct	-77.42	
			For >75 To 100, Deduct	-115.52	
			For >100 To 200, Deduct	-148.01	
			For >200, Deduct	-174.88	
			For 20 Year Warranty, Add	39.31	
07 32 13 00-0017	SQ		MCA BABY "S" Tiles 9" x 13" 199 Piece Per SQ	3,713.65	425.10
			For >25 To 50, Deduct	-169.83	
			For >50 To 75, Deduct	-305.13	
			For >75 To 100, Deduct	-412.12	
			For >100 To 200, Deduct	-490.81	
			For >200, Deduct	-541.19	
			For 20 Year Warranty, Add	198.13	
07 32 13 00-0018	SQ		MCA BABY "S" Tiles 10 3/4" X 13 1/2" 170 Piece Per SQ	3,323.40	425.10
			For >25 To 50, Deduct	-146.41	
			For >50 To 75, Deduct	-266.10	
			For >75 To 100, Deduct	-361.39	
			For >100 To 200, Deduct	-432.27	
			For >200, Deduct	-478.75	
			For 20 Year Warranty, Add	170.81	
07 32 13 00-0019	SQ		MCA BABY "S" Tiles 11 1/2" X 14" 139 Piece Per SQ	2,888.87	425.10
			For >25 To 50, Deduct	-120.34	
			For >50 To 75, Deduct	-222.65	
			For >75 To 100, Deduct	-304.90	
			For >100 To 200, Deduct	-367.09	
			For >200, Deduct	-409.23	
			For 20 Year Warranty, Add	140.40	

07 Thermal And Moisture Protection**07 30 Steep Slope Roofing****07 32 Roof Tiles**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
07 32 16 Concrete Roof Tiles (07 32)**07 32 16 00-0001 Corrugated Tiles And Shakes Nailed To Wood** (07 32 16)

Note: Includes 30 Lb. felt underlayment.

07 32 16 00-0002	SQ	13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 Lb./SQ, Earthtone Colors, Corrugated	1,159.75	449.05
		For >50 To 75, Deduct	-10.46	
		For >75 To 100, Deduct	-40.76	
		For >100 To 200, Deduct	-73.68	
		For >200, Deduct	-103.98	
		For Steep Roof, Over 7 To 12, Add	287.43	
07 32 16 00-0003	SQ	13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 Lb./SQ, Custom Blues, Corrugated	1,414.75	449.05
		For >50 To 75, Deduct	-20.66	
		For >75 To 100, Deduct	-58.61	
		For >100 To 200, Deduct	-101.73	
		For >200, Deduct	-139.68	
		For Steep Roof, Over 7 To 12, Add	287.43	
07 32 16 00-0004	SQ	13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 Lb./SQ, Custom Greens Corrugated	1,210.75	449.05
		For >50 To 75, Deduct	-12.50	
		For >75 To 100, Deduct	-44.33	
		For >100 To 200, Deduct	-79.29	
		For >200, Deduct	-111.12	
		For Steep Roof, Over 7 To 12, Add	287.43	
07 32 16 00-0005	SQ	13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 Lb./SQ, Colors, Shakes	1,128.95	401.77
		For >50 To 75, Deduct	-13.01	
		For >75 To 100, Deduct	-42.86	
		For >100 To 200, Deduct	-75.96	
		For >200, Deduct	-105.82	
		For Steep Roof, Over 7 To 12, Add	257.17	

07 32 16 00-0006 Accessories (07 32 16)

07 32 16 00-0007	EA	Ridge And Hip, 10" X 16-1/2", 8 Lb. Each For Concrete Tile Roof	4.31	
07 32 16 00-0008	EA	Rake, 6-1/2" X 16-3/4", 9 Lb. Each For Concrete Tile Roof	2.83	
07 32 16 00-0009	EA	Mansard Hip, 10" X 16-1/2", 9.2 Lb. Each For Concrete Tile Roof	4.28	
07 32 16 00-0010	EA	Hip Starter, 10" X 16-1/2", 10.5 Lb. Each For Concrete Tile Roof	4.90	
07 32 16 00-0011	EA	3 Or 4 Way Apex, 10" Each Side, 11.5 Lb. Each For Concrete Tile Roof	5.10	

07 34 Roofing Underlayment (07 30)**07 34 00 00-0001 Mechanically Fastened, Roofing Underlayment** (07 34)

Note: Standard slope.

07 34 00 00-0002	SQ	15 Lb., Asphalt Saturated Organic Felt Roofing Underlayment, Mechanically Fastened	42.34	9.24
		For Steep Roof, Over 7 To 12, Add	5.92	
		For >50 To 75, Deduct	-0.95	
		For >75 To 100, Deduct	-2.13	
		For >100 To 200, Deduct	-3.55	
		For >200, Deduct	-5.19	
07 34 00 00-0003	SQ	30 Lb., Asphalt Saturated Organic Felt Roofing Underlayment, Mechanically Fastened	65.28	12.71
		For Steep Roof, Over 7 To 12, Add	8.13	
		For >50 To 75, Deduct	-1.59	
		For >75 To 100, Deduct	-3.43	
		For >100 To 200, Deduct	-5.66	
		For >200, Deduct	-8.12	
07 34 00 00-0004	SQ	30 Lb., Asphalt Saturated Organic Felt Shake Underlayment, Mechanically Fastened	72.79	12.71
		For Steep Roof, Over 7 To 12, Add	8.13	
		For >50 To 75, Deduct	-1.90	
		For >75 To 100, Deduct	-3.95	
		For >100 To 200, Deduct	-6.48	
		For >200, Deduct	-9.17	
07 34 00 00-0005	SQ	Fire Rated, Polypropylene Roofing Underlayment, Mechanically Fastened (Rex™ Synfelt)	81.09	19.25
		For Steep Roof, Over 7 To 12, Add	12.32	
		For >50 To 75, Deduct	-1.70	
		For >75 To 100, Deduct	-3.94	
		For >100 To 200, Deduct	-6.61	
		For >200, Deduct	-9.81	
07 34 00 00-0006	SQ	17 Mil, Fire Rated, High Temperature, Coated Woven Synthetic Roofing Underlayment, Mechanically Fastened (TITANIUM™ UDL 25)	89.98	19.25
		For Steep Roof, Over 7 To 12, Add	12.32	
		For >50 To 75, Deduct	-2.06	
		For >75 To 100, Deduct	-4.57	
		For >100 To 200, Deduct	-7.59	
		For >200, Deduct	-11.06	
07 34 00 00-0007	SQ	25 Mil, Fire Rated, High Temperature, Coated Woven Synthetic Roofing Underlayment, Mechanically Fastened (TITANIUM™ UDL 30)	104.63	19.25
		For Steep Roof, Over 7 To 12, Add	12.32	
		For >50 To 75, Deduct	-2.64	
		For >75 To 100, Deduct	-5.59	
		For >100 To 200, Deduct	-9.20	
		For >200, Deduct	-13.11	
07 34 00 00-0008	SQ	30 Mil, Fire Rated, High Temperature, Coated Woven Synthetic Roofing Underlayment, Mechanically Fastened (TITANIUM™ UDL 50)	97.30	19.25
		For Steep Roof, Over 7 To 12, Add	12.32	
		For >50 To 75, Deduct	-2.35	
		For >75 To 100, Deduct	-5.08	
		For >100 To 200, Deduct	-8.39	
		For >200, Deduct	-12.08	

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 34 00 00-0009 Self-Adhering, Roofing Underlayment (07 34)

Note: Standard slope.

07 34 00 00-0010	SQ	48 Mil, Fire Rated, Polymeric Asphalt Surfaced, Fiberglass Mat Reinforced, Styrene-Butadiene-Styrene (SBS) Modified Roofing Underlayment, Self-Adhering (Owens Corning® WeatherLock® Mat)	168.29	23.36
		For Steep Roof, Over 7 To 12, Add	14.94	
		For >50 To 75, Deduct	-4.86	
		For >75 To 100, Deduct	-9.68	
		For >100 To 200, Deduct	-15.71	
		For >200, Deduct	-21.69	
07 34 00 00-0011	SQ	60 Mil, Fire Rated, Granule Surfaced, Rubberized Asphalt Adhesive, Roofing Underlayment, Self-Adhering (Grace Basik®)	253.23	23.36
		For Steep Roof, Over 7 To 12, Add	14.94	
		For >50 To 75, Deduct	-8.26	
		For >75 To 100, Deduct	-15.63	
		For >100 To 200, Deduct	-25.05	
		For >200, Deduct	-33.58	
07 34 00 00-0012	SQ	53 Mil, Fire Rated, Granule Surfaced, Fiberglass Mat Reinforced, Styrene-Butadiene-Styrene (SBS) Modified Roofing Underlayment, Self-Adhering (Owens Corning® WeatherLock® G)	178.80	23.36
		For Steep Roof, Over 7 To 12, Add	14.94	
		For >50 To 75, Deduct	-5.28	
		For >75 To 100, Deduct	-10.41	
		For >100 To 200, Deduct	-16.87	
		For >200, Deduct	-23.16	
07 34 00 00-0013	SQ	65 Mil, Fire Rated, Polyester Non-Woven Fabric Surfaced, Fiberglass Mat Reinforced, Styrene-Butadiene-Styrene (SBS) Modified Roofing Underlayment, Self-Adhering (Owens Corning® WeatherLock® Specialty Tile And Metal)	168.29	23.36
		For Steep Roof, Over 7 To 12, Add	14.94	
		For >50 To 75, Deduct	-4.86	
		For >75 To 100, Deduct	-9.68	
		For >100 To 200, Deduct	-15.71	
		For >200, Deduct	-21.69	
07 34 00 00-0014	SQ	45 Mil, Fire Rated, High Temperature, Synthetic Polymer Surfaced, Modified Rubberized Asphalt, Roofing Underlayment, Self-Adhering (TITANIUM™ PSU-30)	240.98	23.36
		For Steep Roof, Over 7 To 12, Add	14.94	
		For >50 To 75, Deduct	-7.77	
		For >75 To 100, Deduct	-14.77	
		For >100 To 200, Deduct	-23.71	
		For >200, Deduct	-31.87	
07 34 00 00-0015	SQ	25 Mil, Fire Rated, Embossed Surface, Rubberized Asphalt Adhesive, High-Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Select)	202.60	23.36
		For Steep Roof, Over 7 To 12, Add	14.94	
		For >50 To 75, Deduct	-6.24	
		For >75 To 100, Deduct	-12.08	
		For >100 To 200, Deduct	-19.48	
		For >200, Deduct	-26.50	
07 34 00 00-0016	SQ	40 Mil, Fire Rated, Embossed Surface, Rubberized Asphalt Adhesive, High-Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Ice And Water Shield®)	301.50	23.36
		For Steep Roof, Over 7 To 12, Add	14.94	
		For >50 To 75, Deduct	-10.19	
		For >75 To 100, Deduct	-19.00	
		For >100 To 200, Deduct	-30.36	
		For >200, Deduct	-40.34	
07 34 00 00-0017	SQ	40 Mil, Fire Rated, High Temperature, Embossed Surface, Rubberized Asphalt Adhesive, High-Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Ice And Water Shield® HT)	344.82	23.36
		For Steep Roof, Over 7 To 12, Add	14.94	
		For >50 To 75, Deduct	-11.93	
		For >75 To 100, Deduct	-22.04	
		For >100 To 200, Deduct	-35.13	
		For >200, Deduct	-46.41	
07 34 00 00-0018	SQ	30 Mil, Fire Rated, High Temperature, Fire Rated, Embossed Surface, Butyl Rubber Based Adhesive, High-Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Ultra)	507.35	23.36
		For Steep Roof, Over 7 To 12, Add	14.94	
		For >50 To 75, Deduct	-18.43	
		For >75 To 100, Deduct	-33.41	
		For >100 To 200, Deduct	-53.01	
		For >200, Deduct	-69.16	

07 40 Roofing and Siding Panels (07)

07 41 Roof Panels (07 40)

Note: Includes standard fasteners, grommets, cleats for installation.

07 41 13 Metal Roof Panels (07 41)

07 41 13 00-0001 Exposed Fastener Metal Roofing (07 41 13)

Note: Includes 15 year warranty and all warranties are no dollar limit to include material and labor.

07 41 13 00-0002 Galvanized Exposed Fastener Metal Roofing (07 41 13 00-0001)

07 41 13 00-0003 Galvanized Steel Exposed Fastener Metal Roof Panels (07 41 13 00-0002)

07 41 13 00-0004	SF	18 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels	9.24	3.66
		For Fluoropolymer (Kynar®) Coating, Add	1.80	
		For Steep Roof, Over 7 To 12, Add	1.88	
07 41 13 00-0005	SF	20 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels	8.65	3.66
		For Fluoropolymer (Kynar®) Coating, Add	1.80	
		For Steep Roof, Over 7 To 12, Add	1.88	

07 Thermal And Moisture Protection**07 40 Roofing and Siding Panels****07 41 Roof Panels**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
07 41 13 00-0006	SF 22 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels..... <i>For Fluoropolymer (Kynar®) Coating, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i>	8.23		3.66	
		1.80			
		1.88			
07 41 13 00-0007	SF 24 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels..... <i>For Fluoropolymer (Kynar®) Coating, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i>	7.82		3.66	
		1.80			
		1.88			
07 41 13 00-0008	SF 26 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels..... <i>For Fluoropolymer (Kynar®) Coating, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i>	7.48		3.66	
		1.80			
		1.88			
07 41 13 00-0009	SF 28 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels..... <i>For Fluoropolymer (Kynar®) Coating, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i>	7.18		3.66	
		1.80			
		1.88			
07 41 13 00-0010	SF 30 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels..... <i>For Fluoropolymer (Kynar®) Coating, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i>	7.07		3.66	
		1.80			
		1.88			
07 41 13 00-0011	Galvanized Exposed Fastener Metal Roof Accessories (07 41 13 00-0002) See CSI section 07 41 13 00-0038 for accessories.				
07 41 13 00-0012	LF Ridge Flashing For Galvanized Steel Exposed Fastener Roofing <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Fluoropolymer (Kynar®) Coating, Add</i>	31.39		3.82	
		4.93			
		1.60			
07 41 13 00-0013	LF 9" To 12" Girth, Eave Or Gable Flashing For Galvanized Steel Exposed Fastener Roofing..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Fluoropolymer (Kynar®) Coating, Add</i>	19.75		2.50	
		3.29			
		0.95			
07 41 13 00-0014	LF Valley Flashing For Galvanized Steel Exposed Fastener Roofing..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Fluoropolymer (Kynar®) Coating, Add</i>	37.67		3.82	
		4.93			
		2.23			
07 41 13 00-0015	LF Hip Flashing For Galvanized Steel Exposed Fastener Roofing <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Fluoropolymer (Kynar®) Coating, Add</i>	31.96		3.82	
		4.93			
		1.66			
07 41 13 00-0016	Aluminum Exposed Fastener Metal Roofing (07 41 13 00-0001)				
07 41 13 00-0017	Aluminum Exposed Fastener Metal Roof Panels (07 41 13 00-0016)				
07 41 13 00-0018	SF 0.0155", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels <i>For Fluoropolymer (Kynar®) Coating, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i>	9.02		3.66	
		1.80			
		1.88			
07 41 13 00-0019	SF 0.018", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels <i>For Fluoropolymer (Kynar®) Coating, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i>	9.53		3.66	
		1.80			
		1.88			
07 41 13 00-0020	SF 0.024", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels <i>For Fluoropolymer (Kynar®) Coating, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i>	10.75		3.66	
		1.80			
		1.88			
07 41 13 00-0021	SF 0.032", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels <i>For Fluoropolymer (Kynar®) Coating, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i>	12.38		3.66	
		1.80			
		1.88			
07 41 13 00-0022	SF 0.040", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels <i>For Fluoropolymer (Kynar®) Coating, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i>	14.00		3.66	
		1.80			
		1.88			
07 41 13 00-0023	SF 0.050", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels <i>For Fluoropolymer (Kynar®) Coating, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i>	16.04		3.66	
		1.80			
		1.88			
07 41 13 00-0024	Aluminum Exposed Fastener Metal Roof Accessories (07 41 13 00-0016)				
07 41 13 00-0025	LF Ridge Flashing For Aluminum Exposed Fastener Metal Roofing..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Fluoropolymer (Kynar®) Coating, Add</i>	35.24		3.82	
		4.93			
		1.98			
07 41 13 00-0026	LF 9" To 12" Girth, Eave Or Gable Flashing For Aluminum Exposed Fastener Metal Roofing..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Fluoropolymer (Kynar®) Coating, Add</i>	21.97		2.64	
		3.29			
		1.17			
07 41 13 00-0027	LF Valley Flashing For Aluminum Exposed Fastener Metal Roofing <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Fluoropolymer (Kynar®) Coating, Add</i>	43.08		3.82	
		4.93			
		2.77			
07 41 13 00-0028	LF Hip Flashing For Aluminum Exposed Fastener Metal Roofing..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Fluoropolymer (Kynar®) Coating, Add</i>	35.95		3.82	
		4.93			
		2.05			
07 41 13 00-0029	Standing Seam Roofs (07 41 13) Note: Includes all profiles of vertical leg and batten style standing seam roofing. Includes all clips, neoprene closures, metal closures, battens, tape sealer, tube sealant, fasteners, vent material, panel starters and cleats. Based on Garland R-Mer Clad or R-Mer Seam architectural roofing, R-Mer Loc architectural/structural roofing, and R-Mer Span structural roofing. Architectural roofing requires a solid substrate and underlayment, requires a minimum 3:12 pitch, and includes a 20 year no dollar limit warranty. Architectural/structural roofing does not require a solid substrate or underlayment, requires a minimum 3:12 pitch, and includes a 25 year no dollar limit warranty. Structural roofing does not require a solid substrate or underlayment, requires a minimum 1/4" per foot slope, and includes a 25 year no dollar limit warranty.				
07 41 13 00-0030	Galvanized Steel Standing Seam Concealed Fastener Roofing (07 41 13 00-0029) Note: All steel is galvanized G90 rated or galvalume®. Factory paint finish is Kynar 500®, Hylar 5000® or equal polyvinylidene fluoride (PVDF) finish.				
07 41 13 00-0031	Galvanized Steel Standing Seam Concealed Fastener Roofing (07 41 13 00-0030)				

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 41 13 00-0032	SF		Architectural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	15.06	3.89
			For Steep Roof, Over 6 To 12, Add	2.33	
			For 140 MPH Wind Load, Add	0.92	
			For Panels <16" Wide, Add	2.19	
			For Up To 1,500, Add	3.77	
			For >1,500 To 5,000, Add	2.26	
			For >5,000 To 10,000, Add	0.38	
07 41 13 00-0033	SF		Architectural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	15.75	3.89
			For Steep Roof, Over 6 To 12, Add	2.33	
			For 140 MPH Wind Load, Add	0.94	
			For Panels <16" Wide, Add	2.23	
			For Up To 1,500, Add	3.94	
			For >1,500 To 5,000, Add	2.36	
			For >5,000 To 10,000, Add	0.39	
07 41 13 00-0034	SF		Architectural/Structural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing.....	14.46	3.89
			For Steep Roof, Over 6 To 12, Add	2.33	
			For 140 MPH Wind Load, Add	0.91	
			For Panels <16" Wide, Add	2.16	
			For Up To 1,500, Add	3.62	
			For >1,500 To 5,000, Add	2.17	
			For >5,000 To 10,000, Add	0.36	
07 41 13 00-0035	SF		Architectural/Structural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing.....	14.70	3.89
			For Steep Roof, Over 6 To 12, Add	2.33	
			For 140 MPH Wind Load, Add	0.92	
			For Panels <16" Wide, Add	2.17	
			For Up To 1,500, Add	3.68	
			For >1,500 To 5,000, Add	2.21	
			For >5,000 To 10,000, Add	0.37	
07 41 13 00-0036	SF		Structural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing.....	14.97	3.89
			For Steep Roof, Over 6 To 12, Add	2.33	
			For 140 MPH Wind Load, Add	0.92	
			For Panels <16" Wide, Add	2.19	
			For Up To 1,500, Add	3.74	
			For >1,500 To 5,000, Add	2.25	
			For >5,000 To 10,000, Add	0.37	
07 41 13 00-0037	SF		Structural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing.....	15.96	3.89
			For Steep Roof, Over 6 To 12, Add	2.33	
			For 140 MPH Wind Load, Add	0.94	
			For Panels <16" Wide, Add	2.24	
			For Up To 1,500, Add	3.99	
			For >1,500 To 5,000, Add	2.39	
			For >5,000 To 10,000, Add	0.40	
07 41 13 00-0038			Accessories For Galvanized Steel Standing Seam Roofing (07 41 13 00-0030)		
07 41 13 00-0039	LF		Ridge Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing.....	32.99	3.82
			For Steep Roof, Over 6 To 12, Add	4.62	
			For 140 MPH Wind Load, Add	1.89	
07 41 13 00-0040	LF		9" To 12" Girth, Eave Or Gable Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing.....	20.70	2.64
			For Steep Roof, Over 6 To 12, Add	3.08	
			For 140 MPH Wind Load, Add	1.24	
07 41 13 00-0041	LF		Valley Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing	39.89	3.82
			For Steep Roof, Over 6 To 12, Add	4.62	
			For 140 MPH Wind Load, Add	2.03	
07 41 13 00-0042	LF		Hip Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing	33.61	3.82
			For Steep Roof, Over 6 To 12, Add	4.62	
			For 140 MPH Wind Load, Add	1.91	
07 41 13 00-0043			Aluminum Standing Seam Concealed Fastener Roofing (07 41 13 00-0029)		
			Note: Factory paint finish is Kynar 500®, Hylar 5000® or equal polyvinylidene fluoride (PVDF) finish.		
07 41 13 00-0044			Aluminum Standing Seam Concealed Fastener Roofing (07 41 13 00-0043)		
07 41 13 00-0045	SF		Architectural 0.032" Aluminum Standing Seam Concealed Fastener Roofing.....	15.54	3.89
			For Steep Roof, Over 6 To 12, Add	2.33	
			For 140 MPH Wind Load, Add	0.93	
			For Panels <16" Wide, Add	2.22	
			For Up To 1,500, Add	3.89	
			For >1,500 To 5,000, Add	2.33	
			For >5,000 To 10,000, Add	0.39	
07 41 13 00-0046	SF		Architectural 0.040" Aluminum Standing Seam Concealed Fastener Roofing.....	16.12	3.89
			For Steep Roof, Over 6 To 12, Add	2.33	
			For 140 MPH Wind Load, Add	0.94	
			For Panels <16" Wide, Add	2.25	
			For Up To 1,500, Add	4.03	
			For >1,500 To 5,000, Add	2.42	
			For >5,000 To 10,000, Add	0.40	
07 41 13 00-0047	SF		Architectural/Structural Or Structural 0.032" Aluminum Standing Seam Concealed Fastener Roofing	15.21	3.89
			For Steep Roof, Over 6 To 12, Add	2.33	
			For 140 MPH Wind Load, Add	0.93	
			For Panels <16" Wide, Add	2.20	
			For Up To 1,500, Add	3.80	
			For >1,500 To 5,000, Add	2.28	
			For >5,000 To 10,000, Add	0.38	
07 41 13 00-0048	SF		Architectural/Structural Or Structural 0.040" Aluminum Standing Seam Concealed Fastener Roofing	16.28	3.89
			For Steep Roof, Over 6 To 12, Add	2.33	
			For 140 MPH Wind Load, Add	0.95	
			For Panels <16" Wide, Add	2.25	
			For Up To 1,500, Add	4.07	
			For >1,500 To 5,000, Add	2.44	
			For >5,000 To 10,000, Add	0.41	

07 Thermal And Moisture Protection**07 40 Roofing and Siding Panels****07 41 Roof Panels**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 41 13 00-0049 Accessories For Aluminum Standing Seam Roofing (07 41 13 00-0043)			
07 41 13 00-0050	LF	Ridge Flashing For Aluminum Standing Seam Concealed Fastener Roofing.....	37.22
		For Steep Roof, Over 6 To 12, Add	4.62
		For 140 MPH Wind Load, Add	1.98
07 41 13 00-0051	LF	9" To 12" Girth, Eave Or Gable Flashing For Aluminum Standing Seam Concealed Fastener Roofing	23.14
		For Steep Roof, Over 6 To 12, Add	3.08
		For 140 MPH Wind Load, Add	1.29
07 41 13 00-0052	LF	Valley Flashing For Aluminum Standing Seam Concealed Fastener Roofing	45.85
		For Steep Roof, Over 6 To 12, Add	4.62
		For 140 MPH Wind Load, Add	2.15
07 41 13 00-0053	LF	Hip Flashing For Aluminum Standing Seam Concealed Fastener Roofing.....	38.01
		For Steep Roof, Over 6 To 12, Add	4.62
		For 140 MPH Wind Load, Add	1.99
07 41 13 00-0054 Stainless Steel Standing Seam Concealed Fastener Roofing (07 41 13 00-0029)			
07 41 13 00-0055 Stainless Steel Standing Seam Concealed Fastener Roofing (07 41 13 00-0054)			
07 41 13 00-0056	SF	Architectural 24 Gauge T304 Stainless Steel Standing Seam Concealed Fastener Roofing	28.42
		For Steep Roof, Over 6 To 12, Add	3.50
		For 140 MPH Wind Load, Add	1.50
		For Panels <16" Wide, Add	3.58
		For Up To 1,500, Add	7.11
		For >1,500 To 5,000, Add	4.26
		For >5,000 To 10,000, Add	0.71
07 41 13 00-0057	SF	Architectural 22 Gauge T304 Stainless Steel Standing Seam Concealed Fastener Roofing	31.99
		For Steep Roof, Over 6 To 12, Add	3.50
		For 140 MPH Wind Load, Add	1.57
		For Panels <16" Wide, Add	3.76
		For Up To 1,500, Add	8.00
		For >1,500 To 5,000, Add	4.80
		For >5,000 To 10,000, Add	0.80
07 41 13 00-0058	SF	Architectural 24 Gauge T316 Stainless Steel Standing Seam Concealed Fastener Roofing	36.21
		For Steep Roof, Over 6 To 12, Add	3.50
		For 140 MPH Wind Load, Add	1.66
		For Panels <16" Wide, Add	3.97
		For Up To 1,500, Add	9.05
		For >1,500 To 5,000, Add	5.43
		For >5,000 To 10,000, Add	0.91
07 41 13 00-0059	SF	Architectural 22 Gauge T316 Stainless Steel Standing Seam Concealed Fastener Roofing	41.63
		For Steep Roof, Over 6 To 12, Add	3.50
		For 140 MPH Wind Load, Add	1.77
		For Panels <16" Wide, Add	4.24
		For Up To 1,500, Add	10.41
		For >1,500 To 5,000, Add	6.24
		For >5,000 To 10,000, Add	1.04
07 41 13 00-0060 Accessories For Stainless Steel Standing Seam Concealed Fastener Roofing (07 41 13 00-0054)			
07 41 13 00-0061	LF	Ridge Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing.....	82.44
		For Steep Roof, Over 6 To 12, Add	5.11
		For 140 MPH Wind Load, Add	3.01
07 41 13 00-0062	LF	9" To 12" Girth, Eave Or Gable Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing	45.04
		For Steep Roof, Over 6 To 12, Add	3.39
		For 140 MPH Wind Load, Add	1.80
07 41 13 00-0063	LF	Valley Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing.....	112.26
		For Steep Roof, Over 6 To 12, Add	5.06
		For 140 MPH Wind Load, Add	3.60
07 41 13 00-0064	LF	Hip Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing	84.81
		For Steep Roof, Over 6 To 12, Add	5.11
		For 140 MPH Wind Load, Add	3.06
07 41 13 00-0065 Metal Roof Surfacing (07 41 13)			
07 41 13 00-0066	SF	Acrylic, Metal Roof Primer, One Coat	0.80
		For Steep Roof, Over 7 To 12, Add	0.17
07 41 13 00-0067	SF	Acrylic Elastomeric, Surface Or Base Coating For Metal Roofing, One Coat	1.05
		Note: 55% solids by volume.	
		For Steep Roof, Over 7 To 12, Add	0.17
07 41 16 Insulated Metal Roof Panels (07 41)			
07 41 16 00-0001 Standing Seam Polyurethane Insulated Metal Roof Panels (07 41 16)			
07 41 16 00-0002 Standing Seam Polyurethane Insulated Metal Roof Panel (07 41 16 00-0001)			
		Note: Exterior face gauge shall be 24 gauge, galvanized steel; Interior liner shall be 24 gauge. Galvalume® AZ-55 coating designation with texture; Non-CFC polyurethane foam core.	
07 41 16 00-0003	SF	2" Polyurethane Foam, 24 Gauge Galvanized Steel (Each Side), Insulated Standing Seam Metal Roof Panels.....	27.01
07 41 16 00-0004	SF	2-1/2" Polyurethane Foam, 24 Gauge Galvanized Steel (Each Side), Insulated Standing Seam Metal Roof Panels.....	29.73
07 41 16 00-0005	SF	3" Polyurethane Foam, 24 Gauge Galvanized Steel (Each Side), Insulated Standing Seam Metal Roof Panels.....	31.58
07 41 16 00-0006	SF	4" Polyurethane Foam, 24 Gauge Galvanized Steel (Each Side), Insulated Standing Seam Metal Roof Panels.....	33.07
07 41 16 00-0007	SF	5" Polyurethane Foam, 24 Gauge Galvanized Steel (Each Side), Insulated Standing Seam Metal Roof Panels.....	34.65
07 41 16 00-0008	SF	6" Polyurethane Foam, 24 Gauge Galvanized Steel (Each Side), Insulated Standing Seam Metal Roof Panels.....	35.94

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST

07 41 33 Plastic Roof Panels (07 41)

07 41 33 00-0001			Polyvinyl Chloride (PVC) Roofing Panels (07 41 33)		
07 41 33 00-0002			Polyvinyl Chloride (PVC) Roofing Panels (07 41 33 00-0001)		
07 41 33 00-0003	SF		Solid Polyvinyl Chloride (PVC) Roofing Panels, 8" Wide.....	7.72	2.58
07 41 33 00-0004	SF		Solid Polyvinyl Chloride (PVC) Roofing Panels, 10" Wide.....	7.38	2.32
07 41 33 00-0005	SF		Solid Polyvinyl Chloride (PVC) Roofing Panels, Double 8" Wide.....	8.01	2.58
07 41 33 00-0006	SF		Solid Polyvinyl Chloride (PVC) Roofing Panels, Double 10" Wide.....	7.62	2.32
07 41 33 00-0007			Polyvinyl Chloride (PVC) Roofing Accessories (07 41 33 00-0001)		
07 41 33 00-0008	LF		1" "J" Channel, Starter Strip Trim.....	4.70	1.94
07 41 33 00-0009	LF		3-1/2" "J" Channel, Starter Strip Trim.....	6.87	1.94
07 41 33 00-0010	LF		Outside Corner Post, 7/8" Pocket.....	7.49	1.94
07 41 33 00-0011	LF		Inside Corner Post, 7/8" Pocket.....	5.81	1.94
07 41 33 00-0012			Fiberglass Roofing Panel (07 41 33)		
07 41 33 00-0013			Corrugated Panels (07 41 33 00-0012)		
07 41 33 00-0014	SF		8 Ounce Corrugated Fiberglass Panel.....	7.90	2.07
07 41 33 00-0015	SF		12 Ounce Corrugated Fiberglass Panel.....	9.12	2.07

07 42 Wall Panels (07 40)

07 42 13 Metal Wall Panels (07 42)

07 42 13 19 Insulated Metal Wall Panels (07 42 13)

07 42 13 19-0001			Insulated Panels For Sash/Window Replacement (07 42 13 19)		
			Note: Porcelain or polymer finish on aluminum panel with polystyrene core.		
07 42 13 19-0002	SF		1" Insulated Panel For Sash Or Window Replacement.....	36.14	5.13
			For Non-Insulated Panels, Deduct.....	-6.45	
07 42 13 19-0003	SF		1-1/4" Insulated Panel For Sash Or Window Replacement.....	39.02	5.77
			For Non-Insulated Panels, Deduct.....	-6.89	
07 42 13 19-0004	SF		1-3/4" Insulated Panel For Sash Or Window Replacement.....	41.69	6.42
			For Non-Insulated Panels, Deduct.....	-7.34	
07 42 13 19-0005	SF		2-1/4" Insulated Panel For Sash Or Window Replacement.....	44.50	6.68
			For Non-Insulated Panels, Deduct.....	-7.78	
07 42 13 19-0006	SF		3-1/4" Insulated Panel For Sash Or Window Replacement.....	50.75	7.31
			For Non-Insulated Panels, Deduct.....	-9.04	
07 42 13 19-0007	SF		4-1/4" Insulated Panel For Sash Or Window Replacement.....	59.44	8.09
			For Non-Insulated Panels, Deduct.....	-10.85	

07 42 13 23 Metal Composite Material Wall Panels (07 42 13)

07 42 13 23-0001			24 Gauge, Galvanized Steel Insulated Tongue And Groove Metal Siding Panels (07 42 13 23)		
			Note: G-90 galvanized steel, 24 gauge exterior face and 24 gauge interior liner. Galvalume® AZ-55 coating designation with texture. Non-CFC polyurethane foam core. Standard color on exterior and interior panels. CF Mesa Profile wall panels as manufactured by Metl-Span Corporation.		
07 42 13 23-0002	SF		2" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels.....	26.00	3.37
			For AZ-50 Aluminum-Zinc Coated Exterior, Add.....	0.24	
			For Premium Exterior Colors, Add.....	0.12	
07 42 13 23-0003	SF		2-1/2" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels.....	29.28	3.82
			For AZ-50 Aluminum-Zinc Coated Exterior, Add.....	0.24	
			For Premium Exterior Colors, Add.....	0.12	
07 42 13 23-0004	SF		3" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels.....	32.06	4.33
			For AZ-50 Aluminum-Zinc Coated Exterior, Add.....	0.24	
			For Premium Exterior Colors, Add.....	0.12	
07 42 13 23-0005	SF		4" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels.....	35.94	5.73
			For AZ-50 Aluminum-Zinc Coated Exterior, Add.....	0.24	
			For Premium Exterior Colors, Add.....	0.12	

07 42 63 Fabricated Wall Panel Assemblies (07 42)

07 42 63 00-0001			Insulated Freezer And Chiller Panels (07 42 63)		
			Note: Excludes suspension system for ceiling support.		
07 42 63 00-0002			Polyurethane Sandwich Panel (07 42 63 00-0001)		
			Note: With 22 gauge galvanized sheet metal face excludes painting.		
07 42 63 00-0003	SF		2" 22 Gauge Freezer Panel Sheet Metal Both Faces.....	30.02	1.94
07 42 63 00-0004	SF		3" 22 Gauge Freezer Panel Sheet Metal Both Faces.....	31.89	1.94
07 42 63 00-0005	SF		4" 22 Gauge Freezer Panel Sheet Metal Both Faces.....	38.22	1.94
07 42 63 00-0006	SF		5" 22 Gauge Freezer Panel Sheet Metal Both Faces.....	41.45	2.07
07 42 63 00-0007	SF		6" 22 Gauge Freezer Panel Sheet Metal Both Faces.....	44.08	2.07
07 42 63 00-0008	SF		2" 22 Gauge Freezer Panel Sheet Metal One Face (Liner).....	26.97	1.60
07 42 63 00-0009	SF		3" 22 Gauge Freezer Panel Sheet Metal One Face (Liner).....	29.47	1.60
07 42 63 00-0010	SF		4" 22 Gauge Freezer Panel Sheet Metal One Face (Liner).....	35.77	1.71
07 42 63 00-0011	SF		5" 22 Gauge Freezer Panel Sheet Metal One Face (Liner).....	34.62	1.71

07 Thermal And Moisture Protection**07 40 Roofing and Siding Panels****07 42 Wall Panels**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 42 63 00-0012 SF 6" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)40.95 1.71

07 42 63 00-0013 Polyurethane Sandwich Panel (07 42 63 00-0001)
 Note: With .040 aluminum baked enamel finish.

07 42 63 00-0014	SF	2" Freezer Panel 0.040" Aluminum Finish Both Faces	26.61	1.94
07 42 63 00-0015	SF	3" Freezer Panel 0.040" Aluminum Finish Both Faces	28.68	1.94
07 42 63 00-0016	SF	4" Freezer Panel 0.040" Aluminum Finish Both Faces	33.96	1.94
07 42 63 00-0017	SF	5" Freezer Panel 0.040" Aluminum Finish Both Faces	37.17	2.07
07 42 63 00-0018	SF	6" Freezer Panel 0.040" Aluminum Finish Both Faces	39.38	2.07
07 42 63 00-0019	SF	2" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	23.99	1.60
07 42 63 00-0020	SF	3" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	26.06	1.60
07 42 63 00-0021	SF	4" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	28.20	1.71
07 42 63 00-0022	SF	5" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	33.47	1.71
07 42 63 00-0023	SF	6" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	36.67	1.71

07 42 93 Soffit Panels (07 42)
07 42 93 00-0001 Aluminum Soffit And Fascia (07 42 93)
 Note: Excludes J-channel.

07 42 93 00-0002	LF	6" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit.....	5.16	1.80
		<i>For 0.015" Thick, Deduct</i>	-0.11	
07 42 93 00-0003	LF	10" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit.....	6.37	1.89
		<i>For 0.015" Thick, Deduct</i>	-0.17	
07 42 93 00-0004	LF	1" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	6.99	1.94
		<i>For 0.015" Thick, Deduct</i>	-0.21	
07 42 93 00-0005	LF	1'-6" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit.....	8.74	2.04
		<i>For 0.015" Thick, Deduct</i>	-0.34	
07 42 93 00-0006	LF	2' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	10.70	2.23
		<i>For 0.015" Thick, Deduct</i>	-0.45	
07 42 93 00-0007	LF	3' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	14.25	2.47
		<i>For 0.015" Thick, Deduct</i>	-0.68	
07 42 93 00-0008	LF	4' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	17.87	2.72
		<i>For 0.015" Thick, Deduct</i>	-0.89	
07 42 93 00-0009	LF	5' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	21.51	2.98
		<i>For 0.015" Thick, Deduct</i>	-1.12	
07 42 93 00-0010	LF	4" Exposure, 0.024" Thick, Aluminum Fascia	6.06	1.75
07 42 93 00-0011	LF	6" Exposure, 0.024" Thick, Aluminum Fascia	6.62	1.80
07 42 93 00-0012	LF	8" Exposure, 0.024" Thick, Aluminum Fascia	7.77	1.85
07 42 93 00-0013	LF	10" Exposure, 0.024" Thick, Aluminum Fascia	9.00	1.89

07 46 Siding (07 40)
07 46 16 Aluminum Siding (07 46)

Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.

07 46 16 00-0001 Aluminum Coil Stock Cladding (07 46 16)

Note: Per SF of board, includes overlap page.

07 46 16 00-0002	SF	0.016" Thick, Aluminum Clad Siding	15.81	5.48
07 46 16 00-0003	SF	0.019" Thick, Aluminum Clad Siding	15.98	5.48
07 46 16 00-0004	SF	0.024" Thick, Aluminum Clad Siding	16.27	5.48

07 46 16 00-0005 Aluminum Siding Panels (07 46 16)
07 46 16 00-0006 Corrugated Aluminum Siding Panels (07 46 16 00-0005)

Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.

07 46 16 00-0007	SF	0.019", Painted Finish, Corrugated Aluminum Siding Panel	10.48	2.94
07 46 16 00-0008	SF	0.021", Painted Finish, Corrugated Aluminum Siding Panel	10.89	2.94
07 46 16 00-0009	SF	0.024", Painted Finish, Corrugated Aluminum Siding Panel	12.17	2.94
07 46 16 00-0010	SF	0.032", Painted Finish, Corrugated Aluminum Siding Panel	14.68	2.94

07 46 16 00-0011 V- Beam Aluminum Siding Panels (07 46 16 00-0005)

Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.

07 46 16 00-0012	SF	0.032", Painted Finish, V- Beam Aluminum Siding Panel	14.58	2.94
07 46 16 00-0013	SF	0.040", Painted Finish, V- Beam Aluminum Siding Panel	16.26	2.94
07 46 16 00-0014	SF	0.050", Painted Finish, V- Beam Aluminum Siding Panel	20.25	2.94

07 46 16 00-0015 Box Ribbed Aluminum Siding Panels (07 46 16 00-0005)

Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.

07 46 16 00-0016	SF	0.032", Painted Finish, Box Ribbed Aluminum Siding Panel	15.32	2.94
07 46 16 00-0017	SF	0.040", Painted Finish, Box Ribbed Aluminum Siding Panel	16.94	2.94
07 46 16 00-0018	SF	0.050", Painted Finish, Box Ribbed Aluminum Siding Panel	17.94	2.94

07 46 16 00-0019 Aluminum Siding Accessories (07 46 16)

07 46 16 00-0020	LF	3/8" Pocket, Aluminum J-Channel	4.01	1.68
07 46 16 00-0021	LF	1/2" Pocket, Aluminum J-Channel	4.01	1.68
07 46 16 00-0022	LF	3/4" Pocket, Aluminum J-Channel	4.72	1.68
07 46 16 00-0023	LF	3/8" Pocket, Aluminum F-Channel	4.36	1.68
07 46 16 00-0024	LF	1/2" Pocket, Aluminum F-Channel	4.36	1.68

MINOR
CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 46 19 Steel Siding (07 46)

Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.

07 46 19 00-0001 Steel Siding Panels (07 46 19)
07 46 19 00-0002 Corrugated Steel Siding Panels (07 46 19 00-0001)

Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.

07 46 19 00-0003	SF	20 Gauge, Painted Finish, Corrugated Steel Siding Panel	15.06	2.94
		<i>For Galvanized Instead Of Painted Steel, Add</i>	2.30	
07 46 19 00-0004	SF	22 Gauge, Painted Finish, Corrugated Steel Siding Panel	13.87	2.94
		<i>For Galvanized Instead Of Painted Steel, Add</i>	2.00	
07 46 19 00-0005	SF	24 Gauge, Painted Finish, Corrugated Steel Siding Panel	13.58	2.94
		<i>For Galvanized Instead Of Painted Steel, Add</i>	1.93	
07 46 19 00-0006	SF	26 Gauge, Painted Finish, Corrugated Steel Siding Panel	10.07	2.94
		<i>For Galvanized Instead Of Painted Steel, Add</i>	1.05	
07 46 19 00-0007	SF	28 Gauge, Painted Finish, Corrugated Steel Siding Panel	9.83	2.94
		<i>For Galvanized Instead Of Painted Steel, Add</i>	0.99	
07 46 19 00-0008	SF	30 Gauge, Painted Finish, Corrugated Steel Siding Panel	9.66	2.94
		<i>For Galvanized Instead Of Painted Steel, Add</i>	0.95	

07 46 19 00-0009 Box Ribbed Steel Siding Panels (07 46 19 00-0001)

Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.

07 46 19 00-0010	SF	20 Gauge, Painted Finish, Box Ribbed Steel Siding Panel	14.17	2.94
		<i>For Galvanized Instead Of Painted Steel, Add</i>	2.08	
07 46 19 00-0011	SF	22 Gauge, Painted Finish, Box Ribbed Steel Siding Panel	13.63	2.94
		<i>For Galvanized Instead Of Painted Steel, Add</i>	1.94	
07 46 19 00-0012	SF	24 Gauge, Painted Finish, Box Ribbed Steel Siding Panel	13.28	2.94
		<i>For Galvanized Instead Of Painted Steel, Add</i>	1.85	
07 46 19 00-0013	SF	26 Gauge, Painted Finish, Box Ribbed Steel Siding Panel	12.68	2.94
		<i>For Galvanized Instead Of Painted Steel, Add</i>	1.70	
07 46 19 00-0014	SF	28 Gauge, Painted Finish, Box Ribbed Steel Siding Panel	11.41	2.94
		<i>For Galvanized Instead Of Painted Steel, Add</i>	1.39	

07 46 19 00-0015 Clapboard Steel Siding Panels (07 46 19 00-0001)

Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.

07 46 19 00-0016	SF	29 Gauge, Painted Finish, Clapboard Steel Siding Panel	10.08	1.47
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07 46 23 Wood Siding (07 46)

Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.

07 46 23 00-0001 Wood Lap Siding (07 46 23)

07 46 23 00-0002	LF	8" Wide Rough Sawn Cedar Lap Siding	4.50	1.74
07 46 23 00-0003	LF	10" Wide Rough Sawn Cedar Lap Siding	5.05	1.86
07 46 23 00-0004	LF	12" Wide Rough Sawn Cedar Lap Siding	5.62	1.98
07 46 23 00-0005	LF	6" To 8" Wide Southern Yellow Pine Lap Siding, D Grade	4.80	1.74
07 46 23 00-0006	LF	6" To 8" Wide Spruce Lap Siding, #2 Or Better	5.32	1.74
07 46 23 00-0007	LF	6" To 8" Wide Western Red Cedar, B Grade Lap Siding	6.42	1.74
07 46 23 00-0008	LF	6" To 8" Wide Western Red Cedar, A Grade Lap Siding	6.86	1.74
07 46 23 00-0009	LF	6" To 8" Wide Clear Heart Redwood Lap Siding	6.24	1.74
07 46 23 00-0010	LF	1" x 8" Cedar Round Or Flat Front Siding, Log Cabin	4.61	1.86
07 46 23 00-0011	LF	1" x 8" Cedar Beveled Siding, Channel, Rustic	4.61	1.86

07 46 23 00-0012 Tongue And Groove Siding (07 46 23)

07 46 23 00-0013	SF	1" x 6" Tongue And Groove Southern Yellow Pine Siding	4.49	1.74
07 46 23 00-0014	SF	1" x 8" Tongue And Groove Southern Yellow Pine Siding	4.95	1.74
07 46 23 00-0015	SF	1" x 6" 105 Southern Yellow Pine Siding	4.60	1.74
07 46 23 00-0016	SF	1" x 8" 105 Southern Yellow Pine Siding	5.22	1.74

07 46 29 Plywood Siding (07 46)

Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.

07 46 29 00-0001 T-111 Siding (07 46 29)

07 46 29 00-0002	SF	5/8" T-111, Fine Grade Siding, Paint Ready Applied To Blackboard / Stud	3.19	0.90
		<i>For Pressure Treated, Add</i>	0.18	

07 46 33 Plastic Siding (07 46)

Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.

07 46 33 00-0001 Vinyl Siding (07 46 33)

Note: Includes standard manufacturer's colors.

07 46 33 00-0002 Vinyl Siding Panels (07 46 33 00-0001)

Note: Excludes J-channels, starter strips and trim.

07 46 33 00-0003 Horizontal Vinyl Siding Panels (07 46 33 00-0002)

Note: Includes single, double or triple profiles. Includes traditional clapboard or dutch lap styles.

07 46 33 00-0004	SF	7" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel	5.70	2.20
		<i>For 0.040" Thick, Deduct</i>	-0.19	
		<i>For 0.042" Thick, Deduct</i>	-0.08	
		<i>For 0.046" Thick, Add</i>	0.94	
		<i>For Manufacturer's Custom Colors, Add</i>	0.07	

07 Thermal And Moisture Protection**07 40 Roofing and Siding Panels****07 46 Siding**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 46 33 00-0005	SF	8" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel.....	5.45	2.07
		<i>For 0.040" Thick, Deduct</i>	-0.19	
		<i>For 0.042" Thick, Deduct</i>	-0.08	
		<i>For 0.046" Thick, Add</i>	0.94	
		<i>For Manufacturer's Custom Colors, Add</i>	0.07	
07 46 33 00-0006	SF	9" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel.....	5.26	1.97
		<i>For 0.040" Thick, Deduct</i>	-0.19	
		<i>For 0.042" Thick, Deduct</i>	-0.08	
		<i>For 0.046" Thick, Add</i>	0.94	
		<i>For Manufacturer's Custom Colors, Add</i>	0.07	
07 46 33 00-0007	SF	10" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel.....	5.05	1.88
		<i>For 0.040" Thick, Deduct</i>	-0.19	
		<i>For 0.042" Thick, Deduct</i>	-0.08	
		<i>For 0.046" Thick, Add</i>	0.94	
		<i>For Manufacturer's Custom Colors, Add</i>	0.07	
07 46 33 00-0008	SF	12" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel.....	4.80	1.74
		<i>For 0.040" Thick, Deduct</i>	-0.19	
		<i>For 0.042" Thick, Deduct</i>	-0.08	
		<i>For 0.046" Thick, Add</i>	0.94	
		<i>For Manufacturer's Custom Colors, Add</i>	0.07	

07 46 33 00-0009 Vertical Vinyl Siding Panels (07 46 33 00-0002)

07 46 33 00-0010	SF	7" Exposure, 0.048" Thick, Board And Batten, Vinyl Siding Panel.....	6.72	2.20
		<i>For Manufacturer's Custom Colors, Add</i>	0.12	

07 46 33 00-0011 Vinyl Siding Accessories (07 46 33 00-0001)

07 46 33 00-0012	LF	3/4" Pocket, Outside Corner Post For Vinyl Siding	6.70	1.68
		<i>For Manufacturer's Custom Colors, Add</i>	0.17	
07 46 33 00-0013	LF	1-1/8" Pocket, Outside Corner Post For Vinyl Siding	11.81	1.68
		<i>For Manufacturer's Custom Colors, Add</i>	0.42	
07 46 33 00-0014	LF	3/4" Pocket, Inside Corner Post For Vinyl Siding	5.42	1.68
		<i>For Manufacturer's Custom Colors, Add</i>	0.10	
07 46 33 00-0015	LF	1-1/8" Pocket, Inside Corner Post For Vinyl Siding	6.50	1.68
		<i>For Manufacturer's Custom Colors, Add</i>	0.16	
07 46 33 00-0016	LF	3/8" Pocket, J-Channel For Vinyl Siding	4.12	1.68
		<i>For Manufacturer's Custom Colors, Add</i>	0.05	
07 46 33 00-0017	LF	1/2" Pocket, J-Channel For Vinyl Siding	3.88	1.68
		<i>For Manufacturer's Custom Colors, Add</i>	0.04	
07 46 33 00-0018	LF	5/8" Pocket, J-Channel For Vinyl Siding	3.83	1.68
		<i>For Manufacturer's Custom Colors, Add</i>	0.04	
07 46 33 00-0019	LF	3/4" Pocket, J-Channel For Vinyl Siding	3.99	1.68
		<i>For Manufacturer's Custom Colors, Add</i>	0.04	
07 46 33 00-0020	LF	1" Pocket, J-Channel For Vinyl Siding	4.68	1.68
		<i>For Manufacturer's Custom Colors, Add</i>	0.07	
07 46 33 00-0021	LF	1-1/4" Pocket, J-Channel For Vinyl Siding	5.05	1.68
		<i>For Manufacturer's Custom Colors, Add</i>	0.08	
07 46 33 00-0022	LF	2-1/2" Pocket, J-Channel For Vinyl Siding	5.71	1.68
		<i>For Manufacturer's Custom Colors, Add</i>	0.08	
07 46 33 00-0023	LF	1/2" Pocket, F-Channel For Vinyl Siding	3.86	1.68
		<i>For Manufacturer's Custom Colors, Add</i>	0.06	
07 46 33 00-0024	LF	3/4" Pocket, 3-1/2" Lineal Trim For Vinyl Siding	8.60	2.32
		<i>For Manufacturer's Custom Colors, Add</i>	0.20	
07 46 33 00-0025	LF	3/4" Pocket, 5" Lineal Trim For Vinyl Siding.....	8.95	2.32
		<i>For Manufacturer's Custom Colors, Add</i>	0.21	
07 46 33 00-0026	LF	1-1/8" Pocket, 3-1/2" Lineal Trim For Vinyl Siding	9.75	2.32
		<i>For Manufacturer's Custom Colors, Add</i>	0.25	
07 46 33 00-0027	LF	3/8" Pocket, 1-7/8" H-Mold For Vinyl Siding.....	5.21	1.68
		<i>For Manufacturer's Custom Colors, Add</i>	0.09	
07 46 33 00-0028	LF	Vinyl Starter Strip For Vinyl Siding	6.34	1.68
		<i>For Manufacturer's Custom Colors, Add</i>	0.15	
07 46 33 00-0029	LF	Undersill Trim For Vinyl Siding.....	5.53	1.68
		<i>For Manufacturer's Custom Colors, Add</i>	0.11	

07 46 33 00-0030 Vinyl Soffit And Fascia (07 46 33 00-0001)

Note: Excludes J-channel.

07 46 33 00-0031	LF	6" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	4.80	1.80
		<i>For 0.038" Thick, Deduct</i>	-0.55	
		<i>For 0.040" Thick, Deduct</i>	-0.46	
		<i>For Manufacturer's Custom Colors, Add</i>	0.06	
07 46 33 00-0032	LF	10" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	5.79	1.89
		<i>For 0.038" Thick, Deduct</i>	-0.92	
		<i>For 0.040" Thick, Deduct</i>	-0.77	
		<i>For Manufacturer's Custom Colors, Add</i>	0.10	
07 46 33 00-0033	LF	1' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	6.29	1.94
		<i>For 0.038" Thick, Deduct</i>	-1.09	
		<i>For 0.040" Thick, Deduct</i>	-0.91	
		<i>For Manufacturer's Custom Colors, Add</i>	0.12	
07 46 33 00-0034	LF	1'-6" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	7.68	2.04
		<i>For 0.038" Thick, Deduct</i>	-1.66	
		<i>For 0.040" Thick, Deduct</i>	-1.39	
		<i>For Manufacturer's Custom Colors, Add</i>	0.18	
07 46 33 00-0035	LF	2' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit.....	9.30	2.23
		<i>For 0.038" Thick, Deduct</i>	-2.21	
		<i>For 0.040" Thick, Deduct</i>	-1.84	
		<i>For Manufacturer's Custom Colors, Add</i>	0.24	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 33 00-0036	LF	3' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	12.14	2.47
		For 0.038" Thick, Deduct	-3.32	
		For 0.040" Thick, Deduct	-2.78	
		For Manufacturer's Custom Colors, Add	0.36	
07 46 33 00-0037	LF	4' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	15.05	2.72
		For 0.038" Thick, Deduct	-4.41	
		For 0.040" Thick, Deduct	-3.71	
		For Manufacturer's Custom Colors, Add	0.48	
07 46 33 00-0038	LF	5' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	17.99	2.98
		For 0.038" Thick, Deduct	-5.53	
		For 0.040" Thick, Deduct	-4.64	
		For Manufacturer's Custom Colors, Add	0.60	
07 46 33 00-0039	LF	4" Exposure, Vinyl Fascia	4.97	1.75
		For Manufacturer's Custom Colors, Add	0.07	
07 46 33 00-0040	LF	6" Exposure, Vinyl Fascia	5.47	1.80
		For Manufacturer's Custom Colors, Add	0.09	
07 46 33 00-0041	LF	8" Exposure, Vinyl Fascia	5.43	1.85
		For Manufacturer's Custom Colors, Add	0.09	
07 46 33 00-0042	LF	10" Exposure, Vinyl Fascia	6.14	1.89
		For Manufacturer's Custom Colors, Add	0.12	
07 46 33 00-0043		Fiberglass Siding (07 46 33)		
07 46 33 00-0044		Corrugated Panels (07 46 33 00-0043)		
07 46 33 00-0045	SF	6 Ounce Corrugated Fiberglass Panels	7.89	2.59
07 46 33 00-0046	SF	8 Ounce Corrugated Fiberglass Panels	8.40	2.32
07 46 33 00-0047	SF	12 Ounce Corrugated Fiberglass Panels	9.33	2.32
07 46 33 00-0048		Flat Panels (07 46 33 00-0043)		
07 46 33 00-0049	SF	6 Ounce Flat Fiberglass Panels	7.56	2.32
07 46 33 00-0050	SF	8 Ounce Flat Fiberglass Panels	8.40	2.32
07 46 46		Fiber-Cement Siding (07 46)		
		Note: Smooth or patterns. Includes sealer and primer.		
07 46 46 00-0001		5/16" Thick, Fiber Cement Lap Siding (07 46 46)		
07 46 46 00-0002	SF	5-1/4" Board with 4" Exposure, 5/16" Thick, Fiber Cement Lap Siding	7.32	2.72
07 46 46 00-0003	SF	6-1/4" Board with 5" Exposure, 5/16" Thick, Fiber Cement Lap Siding	6.97	2.59
07 46 46 00-0004	SF	7-1/4" Board with 6" Exposure, 5/16" Thick, Fiber Cement Lap Siding	6.81	2.52
07 46 46 00-0005	SF	8-1/4" Board with 7" Exposure, 5/16" Thick, Fiber Cement Lap Siding	6.65	2.45
07 46 46 00-0006	SF	9-1/2" Board with 8" Exposure, 5/16" Thick, Fiber Cement Lap Siding	6.36	2.32
07 46 46 00-0007	SF	12" Board with 10-3/4" Exposure, 5/16" Thick, Fiber Cement Lap Siding	6.04	2.20
07 46 46 00-0008	LF	Starter Strip, Fiber Cement Lap Siding	1.60	0.65
07 46 46 00-0009		Fiber Cement Shingle Siding (07 46 46)		
07 46 46 00-0010	SF	Fiber Cement Shingle Siding	10.57	2.39
07 46 46 00-0011		Fiber Cement Vertical Panel Siding (07 46 46)		
07 46 46 00-0012	SF	Fiber Cement Vertical Panel Siding	5.37	1.94
07 46 46 00-0013		Fiber Cement Trim Boards (07 46 46)		
07 46 46 00-0014		7/16" Thick, Fiber Cement Trim Boards (07 46 46 00-0013)		
07 46 46 00-0015	LF	4" Wide, 7/16" Thick, Fiber Cement Trim Board	3.51	1.29
07 46 46 00-0016	LF	6" Wide, 7/16" Thick, Fiber Cement Trim Board	4.37	1.42
07 46 46 00-0017	LF	8" Wide, 7/16" Thick, Fiber Cement Trim Board	5.21	1.55
07 46 46 00-0018	LF	12" Wide, 7/16" Thick, Fiber Cement Trim Board	6.77	1.81
07 46 46 00-0019		3/4" Thick Fiber Cement Trim Boards (07 46 46 00-0013)		
07 46 46 00-0020	LF	4" Wide, 3/4" Thick, Fiber Cement Trim Board	3.66	1.29
07 46 46 00-0021	LF	6" Wide, 3/4" Thick, Fiber Cement Trim Board	4.60	1.42
07 46 46 00-0022	LF	8" Wide, 3/4" Thick, Fiber Cement Trim Board	5.59	1.55
07 46 46 00-0023	LF	12" Wide, 3/4" Thick, Fiber Cement Trim Board	5.92	1.81
07 46 46 00-0024		1" Thick Fiber Cement Trim Boards (07 46 46 00-0013)		
07 46 46 00-0025	LF	4" Wide, 1" Thick, Fiber Cement Trim Board	3.86	1.29
07 46 46 00-0026	LF	6" Wide, 1" Thick, Fiber Cement Trim Board	4.95	1.42
07 46 46 00-0027	LF	8" Wide, 1" Thick, Fiber Cement Trim Board	6.09	1.55
07 46 46 00-0028	LF	12" Wide, 1" Thick, Fiber Cement Trim Board	8.03	1.81
07 46 46 00-0029		Fiber Cement Fascia Board (07 46 46)		
07 46 46 00-0030	LF	5/4" x 3-1/2" Fiber Cement Fascia Board	6.68	2.56
07 46 46 00-0031	LF	5/4" x 5-1/2" Fiber Cement Fascia Board	8.17	2.85
07 46 46 00-0032	LF	5/4" x 7-1/4" Fiber Cement Fascia Board	8.94	2.85
07 46 46 00-0033	LF	5/4" x 11-1/4" Fiber Cement Fascia Board	11.63	3.35

07 Thermal And Moisture Protection**07 40 Roofing and Siding Panels****07 46 Siding**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 46 46 00-0034	Fiber Cement Soffit Boards (07 46 46)		
07 46 46 00-0035	SF 1/4" Thick, Non-Vented Fiber Cement Soffit	7.83	1.85
07 46 46 00-0036	SF 1/4" Thick, Vented Fiber Cement Soffit	8.37	1.85

07 46 63 Fabricated Panel Assemblies with Siding (07 46)

07 46 63 00-0001	Metal Liner Panels (07 46 63)		
07 46 63 00-0002	Galvanized (07 46 63 00-0001)		
07 46 63 00-0003	SF 24 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel	12.16	2.65
07 46 63 00-0004	SF 22 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel	13.23	2.65
07 46 63 00-0005	SF 20 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel	15.12	2.65
07 46 63 00-0006	SF 18 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel	15.31	2.65

07 50 Membrane Roofing (07)

See CSI section 07 22 16 00-0000 for insulation, 07 60 00 00-0000 for additional flashing, sheet metal and trim, 07 70 00 00-0000 for additional roof accessories.

07 51 Built-Up Bituminous Roofing (07 50)**07 51 13 Built-Up Asphalt Roofing (07 51)**

07 51 13 00-0001	Built-Up Asphalt Roofing Components (07 51 13)		
07 51 13 00-0002	Built-Up Asphalt Membrane Roofing (07 51 13 00-0001) Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing. See CSI section 07 51 13 00-0067 for built-up roofing demolition.		
07 51 13 00-0003	Cold Adhesive Applied, Built-Up Asphalt Membrane Roofing (07 51 13 00-0002) Note: Includes applying cold adhesive and embedding the membrane.		
07 51 13 00-0004	Cold Adhesive Applied, Built-Up Asphalt Roofing Base, Ply And Cap Sheets (07 51 13 00-0003)		
07 51 13 00-0005	SQ Type IV, Asphalt Coated Fiberglass Ply Sheet, Cold Adhesive Applied	123.80	
	For Up To 10, Add	32.80	
	For >10 To 20, Add	18.41	
	For >20 To 40, Add	10.21	
	For >75 To 100, Deduct	-5.10	
	For >100 To 200, Deduct	-11.21	
	For >200, Deduct	-16.32	
07 51 13 00-0006	SQ Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Cold Adhesive Applied	341.73	
	For Up To 10, Add	76.38	
	For >10 To 20, Add	40.20	
	For >20 To 40, Add	21.11	
	For >75 To 100, Deduct	-10.55	
	For >100 To 200, Deduct	-22.11	
	For >200, Deduct	-32.66	
07 51 13 00-0007	Cold Adhesive Applied, Built-Up Asphalt Roofing Flashing (07 51 13 00-0003)		
07 51 13 00-0008	SF Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Cold Adhesive Applied	8.18	
07 51 13 00-0009	Hot-Mopped, Built-Up Asphalt Membrane Roofing (07 51 13 00-0002) Note: Includes mopping hot asphalt and embedding the membrane.		
07 51 13 00-0010	Hot-Mopped, Built-Up Asphalt Roofing Base, Ply And Cap Sheets (07 51 13 00-0009)		
07 51 13 00-0011	SQ Type IV, Asphalt Coated Fiberglass Ply Sheet, Hot-Mopped	91.22	
	For Up To 10, Add	26.40	
	For >10 To 20, Add	15.24	
	For >20 To 40, Add	8.64	
	For >75 To 100, Deduct	-4.32	
	For >100 To 200, Deduct	-9.66	
	For >200, Deduct	-13.98	
07 51 13 00-0012	SQ Type VI, Asphalt Coated Fiberglass Ply Sheet, Hot-Mopped	97.43	
	For Up To 10, Add	27.64	
	For >10 To 20, Add	15.86	
	For >20 To 40, Add	8.95	
	For >75 To 100, Deduct	-4.48	
	For >100 To 200, Deduct	-9.97	
	For >200, Deduct	-14.45	
07 51 13 00-0013	SQ Fine Mineral Surfaced, Asphalt Coated Fiberglass Base Sheet, Hot-Mopped	104.49	
	For Up To 10, Add	29.06	
	For >10 To 20, Add	16.57	
	For >20 To 40, Add	9.30	
	For >75 To 100, Deduct	-4.65	
	For >100 To 200, Deduct	-10.32	
	For >200, Deduct	-14.98	
07 51 13 00-0014	SQ Asphalt Coated Fiberglass Venting Base Sheet, Hot-Mopped	182.80	
	For Up To 10, Add	44.72	
	For >10 To 20, Add	24.40	
	For >20 To 40, Add	13.22	
	For >75 To 100, Deduct	-6.61	
	For >100 To 200, Deduct	-14.24	
	For >200, Deduct	-20.85	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
07 51 13 00-0015	SQ		Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Hot-Mopped	309.14	
			For Up To 10, Add	69.99	
			For >10 To 20, Add	37.03	
			For >20 To 40, Add	19.54	
			For >75 To 100, Deduct	-9.77	
			For >100 To 200, Deduct	-20.56	
			For >200, Deduct	-30.32	
07 51 13 00-0016	SQ		Granule Surfaced, Asphalt Coated Fiberglass Cap Sheet, Hot-Mopped	234.45	
			For Up To 10, Add	55.82	
			For >10 To 20, Add	30.15	
			For >20 To 40, Add	16.19	
			For >75 To 100, Deduct	-8.09	
			For >100 To 200, Deduct	-17.31	
			For >200, Deduct	-25.40	
07 51 13 00-0017			Hot-Mopped, Built-Up Asphalt Roofing Flashing (07 51 13 00-0009)		
07 51 13 00-0018	SF		Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Hot-Mopped	5.22	
07 51 13 00-0019			Mechanically Fastened, Built-Up Asphalt Membrane Roofing (07 51 13 00-0002)		
			Note: Includes fasteners.		
07 51 13 00-0020			Mechanically Fastened, Built-Up Asphalt Roofing Base, Ply And Cap Sheets (07 51 13 00-0019)		
07 51 13 00-0021	SQ		Type VI, Asphalt Coated Fiberglass Ply Sheet, Mechanically Fastened.....	95.80	
			For Up To 10, Add	23.18	
			For >10 To 20, Add	12.59	
			For >20 To 40, Add	6.80	
			For >75 To 100, Deduct	-3.40	
			For >100 To 200, Deduct	-7.30	
			For >200, Deduct	-10.70	
07 51 13 00-0022	SQ		Asphalt Coated Fiberglass Venting Base Sheet, Mechanically Fastened.....	181.16	
			For Up To 10, Add	40.25	
			For >10 To 20, Add	21.13	
			For >20 To 40, Add	11.07	
			For >75 To 100, Deduct	-5.53	
			For >100 To 200, Deduct	-11.57	
			For >200, Deduct	-17.10	
07 51 13 00-0023	SQ		Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Mechanically Fastened	307.51	
			For Up To 10, Add	65.52	
			For >10 To 20, Add	33.76	
			For >20 To 40, Add	17.38	
			For >75 To 100, Deduct	-8.69	
			For >100 To 200, Deduct	-17.89	
			For >200, Deduct	-26.58	
07 51 13 00-0024			Mechanically Fastened, Built-Up Asphalt Roofing Flashing (07 51 13 00-0019)		
07 51 13 00-0025	SF		Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Mechanically Fastened	6.31	
07 51 13 00-0026			Asphalt Saturated Organic Felt (07 51 13 00-0001)		
07 51 13 00-0027			Cold Adhesive Applied, Asphalt Saturated Organic Felt (07 51 13 00-0026)		
			Note: Includes applying cold adhesive and embedding the felt.		
07 51 13 00-0028	SQ		15 Lb., Asphalt Saturated Organic Base Or Ply Sheet, Cold Adhesive Applied	119.92	
			For Up To 10, Add	32.02	
			For >10 To 20, Add	18.02	
			For >20 To 40, Add	10.02	
			For >75 To 100, Deduct	-5.01	
			For >100 To 200, Deduct	-11.02	
			For >200, Deduct	-16.03	
07 51 13 00-0029	SQ		30 Lb., Asphalt Saturated Organic Base Or Ply Sheet, Cold Adhesive Applied	135.94	
			For Up To 10, Add	35.23	
			For >10 To 20, Add	19.62	
			For >20 To 40, Add	10.82	
			For >75 To 100, Deduct	-5.41	
			For >100 To 200, Deduct	-11.82	
			For >200, Deduct	-17.23	
07 51 13 00-0030			Hot-Mopped, Asphalt Saturated Organic Felt (07 51 13 00-0026)		
			Note: Includes mopping hot asphalt and embedding the felt.		
07 51 13 00-0031	SQ		15 Lb., Asphalt Saturated Organic Base Or Ply Sheet, Hot-Mopped.....	87.33	
			For Up To 10, Add	25.62	
			For >10 To 20, Add	14.85	
			For >20 To 40, Add	8.45	
			For >75 To 100, Deduct	-4.22	
			For >100 To 200, Deduct	-9.47	
			For >200, Deduct	-13.69	
07 51 13 00-0032	SQ		30 Lb., Asphalt Saturated Organic Base Or Ply Sheet, Hot-Mopped.....	103.35	
			For Up To 10, Add	28.83	
			For >10 To 20, Add	16.45	
			For >20 To 40, Add	9.25	
			For >75 To 100, Deduct	-4.62	
			For >100 To 200, Deduct	-10.27	
			For >200, Deduct	-14.89	

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 51 Built-Up Bituminous Roofing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 51 13 00-0033		Mechanically Fastened, Asphalt Saturated Organic Felt (07 51 13 00-0026)	
		Note: Includes fasteners.	
07 51 13 00-0034	SQ	15 Lb., Asphalt Saturated Organic Base Or Ply Sheet, Mechanically Fastened	43.93
		For Up To 10, Add	12.80
		For >10 To 20, Add	7.41
		For >20 To 40, Add	4.20
		For >75 To 100, Deduct	-2.10
		For >100 To 200, Deduct	-4.71
		For >200, Deduct	-6.81
07 51 13 00-0035	SQ	30 Lb., Asphalt Saturated Organic Base Or Ply Sheet, Mechanically Fastened	59.95
		For Up To 10, Add	16.01
		For >10 To 20, Add	9.01
		For >20 To 40, Add	5.01
		For >75 To 100, Deduct	-2.50
		For >100 To 200, Deduct	-5.51
		For >200, Deduct	-8.01
07 51 13 00-0036		Surfacing (07 51 13 00-0001)	
07 51 13 00-0037	SQ	400 Lb./SQ, Gravel Roofing Ballast, Set In Hot Asphalt Flood Coat	193.41
		For Up To 10, Add	58.78
		For >10 To 20, Add	34.41
		For >20 To 40, Add	19.72
		For >75 To 100, Deduct	-9.86
		For >100 To 200, Deduct	-22.23
		For >200, Deduct	-32.09
07 51 13 00-0038	SQ	400 Lb./SQ, Gravel Roofing Ballast, Set In Cold Adhesive Flood Coat	287.71
		For Up To 10, Add	77.64
		For >10 To 20, Add	43.84
		For >20 To 40, Add	24.43
		For >75 To 100, Deduct	-12.22
		For >100 To 200, Deduct	-26.95
		For >200, Deduct	-39.16
07 51 13 00-0039	CY	Gravel Roofing Ballast, Spread To Desired Thickness	199.68
		Note: Excludes hot asphalt or cold adhesive.	
07 51 13 00-0040	SQ	Protective Polypropylene Fabric Mat, Loose Laid	55.04
		Note: Installed as a separator mat (under membrane), a crushed stone mat (above membrane) or as a stone separator mat in ballasted systems.	
		For Up To 10, Add	13.66
		For >10 To 20, Add	7.49
		For >20 To 40, Add	4.08
		For >75 To 100, Deduct	-2.04
		For >100 To 200, Deduct	-4.41
		For >200, Deduct	-6.45
07 51 13 00-0041	SQ	Clay-Stabilized, Water-Based Asphalt Emulsion With Reinforcing Fibers, Weather-Proofing Surface Coating, Price Per Coat	140.06
		Note: Protective coating for use over built-up, SBS and APP modified bitumen, metal, concrete and wood roofs.	
		For Up To 10, Add	32.84
		For >10 To 20, Add	17.62
		For >20 To 40, Add	9.42
		For >75 To 100, Deduct	-4.71
		For >100 To 200, Deduct	-10.02
		For >200, Deduct	-14.73
07 51 13 00-0042	SQ	Fibrated Aluminum, Asphalt-Based, Reflective Weather-Proofing Surface Coating, Price Per Coat	124.47
		Note: Protective and reflective coating for use over built-up, SBS and APP modified bitumen and metal roofs.	
		For Up To 10, Add	29.72
		For >10 To 20, Add	16.07
		For >20 To 40, Add	8.64
		For >75 To 100, Deduct	-4.32
		For >100 To 200, Deduct	-9.24
		For >200, Deduct	-13.56
07 51 13 00-0043	SQ	Aluminum Flakes And Reinforcing Fibers Suspended In Emulsified Asphalt, Reflective Surface Coating, Price Per Coat	167.02
		Note: Reflective coating for use over smooth-surfaced built-up roofs.	
		For Up To 10, Add	38.23
		For >10 To 20, Add	20.32
		For >20 To 40, Add	10.76
		For >75 To 100, Deduct	-5.38
		For >100 To 200, Deduct	-11.37
		For >200, Deduct	-16.75
07 51 13 00-0044	SQ	100% Acrylic Elastomeric, Reflective Surface Coating, Price Per Coat	168.41
		Note: Reflective coating for use over built-up, SBS and APP modified bitumen roofs. For use on smooth or granule surfaced roofing systems.	
		For Up To 10, Add	38.51
		For >10 To 20, Add	20.46
		For >20 To 40, Add	10.83
		For >75 To 100, Deduct	-5.42
		For >100 To 200, Deduct	-11.44
		For >200, Deduct	-16.85
		For Installation Over Granule Surfaced Asphalt Roof Systems, Add	50.03
07 51 13 00-0045	SQ	100% Acrylic Elastomeric, Bleed Blocking Base Coating, Price Per Coat	174.15
		Note: Bleed blocking coating for use over built-up, Styrene-Butadiene-Styrene (SBS) and Atactic-Polypropylene (APP) modified bitumen roofs. For use on smooth or granule surfaced roofing systems.	
		For Up To 10, Add	39.65
		For >10 To 20, Add	21.03
		For >20 To 40, Add	11.12
		For >75 To 100, Deduct	-5.56
		For >100 To 200, Deduct	-11.72
		For >200, Deduct	-17.28
		For Installation Over Granule Surfaced Asphalt Roof Systems, Add	51.92

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0046	SF	Ceramic Coated Roofing Granules, Hand Broadcast Note: For application over liquid flashing/membranes, asphalt bleed-out areas, modified or BUR membrane repairs, etc.	2.77	
07 51 13 00-0047	SF	Energy Star, Ceramic Coated UltraWhite Roofing Granules, Hand Broadcast..... Note: For application over liquid flashing/membranes, asphalt bleed-out areas, modified or BUR membrane repairs, etc.	4.75	
07 51 13 00-0048	SQ	Vapor Permeable Synthetic Underlayment (GAF Deck-Armor™).....	43.14	
07 51 13 00-0049		Walkway Pads (07 51 13 00-0001) Note: Set in hot asphalt or cold adhesive.		
07 51 13 00-0050	LF	5/16" Thick, 32" Wide, Skid Resistant, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Walkway Pad.....	35.14	
07 51 13 00-0051	LF	1/2" Thick, 32" Wide, Skid Resistant, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Walkway Pad.....	41.86	
07 51 13 00-0052		Cant And Tapered Edge Strips (07 51 13 00-0001)		
07 51 13 00-0053	LF	2" x 2" Perlite Cant Strip	4.87	
07 51 13 00-0054	LF	3" x 3" Perlite Cant Strip	5.03	
07 51 13 00-0055	LF	4" x 4" Perlite Cant Strip	5.76	
07 51 13 00-0056	LF	3" x 3" Pressure Treated Wood Cant Strip, Cut Diagonally	4.65	
07 51 13 00-0057	LF	4" x 4" Pressure Treated Wood Cant Strip, Cut Diagonally	4.78	
07 51 13 00-0058	LF	1/2" x 6" Perlite Tapered Edge Strip	5.46	
07 51 13 00-0059	LF	1/2" x 12" Perlite Tapered Edge Strip	6.30	
07 51 13 00-0060	LF	1" x 12" Perlite Tapered Edge Strip	6.53	
07 51 13 00-0061	LF	1" x 24" Perlite Tapered Edge Strip	7.40	
07 51 13 00-0062	LF	1-1/2" x 12" Perlite Tapered Edge Strip	7.32	
07 51 13 00-0063	LF	1-1/2" x 18" Perlite Tapered Edge Strip	8.90	
07 51 13 00-0064	LF	1-1/2" x 24" Perlite Tapered Edge Strip	10.05	
07 51 13 00-0065		Asphalt Primer (07 51 13 00-0001)		
07 51 13 00-0066	SQ	Asphalt Primer For Roofing Systems..... Note: Foundation coating for hot-mopped and cold applied asphalt coatings, roof cements, and asphalt based roof adhesives. For use on weathered roofing, asphalt, concrete, gypsum, masonry, block, brick and metal surfaces.	40.12	
07 51 13 00-0067		Demolish Built-Up Roofing (07 51 13 00-0001) Note: For removing any asphalt, coal tar or modified bitumen roofing system, including surfacing material down to the insulation or recovery board. Includes removal of any basic roof accessories and any sheet metals; except special existing conditions (mechanical equipment piping, electrical, ducts, etc.).		
07 51 13 00-0068	SQ	Demolish Gravel/Slag Surfaced, Built Up Roofing System	422.07	
		For Up To 10, Add	104.77	
		For >10 To 25, Add	62.86	
07 51 13 00-0069	SQ	Demolish Cap Sheet Surfaced, Built Up Roofing System..... Note: Includes protective surfacing.	325.59	
		For Up To 10, Add	80.82	
		For >10 To 25, Add	48.49	
07 51 13 00-0070		Roofing System Warranty (07 51 13 00-0001) Note: The warranty tasks below are only to be used in conjunction with the built-up bituminous and modified bituminous membrane roofing sections. The appropriate task is to be applied to the completed roofing membrane systems, not individual components. All warranties are no dollar limit to include material, equipment and labor.		
07 51 13 00-0071	EA	Up To 50 SQ, 10 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	653.66	
07 51 13 00-0072	SQ	>50 SQ, 10 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	9.34	
07 51 13 00-0073	EA	Up To 50 SQ, 15 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	747.04	
07 51 13 00-0074	SQ	>50 SQ, 15 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	14.94	
07 51 13 00-0075	EA	Up To 50 SQ, 20 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	1,027.18	
07 51 13 00-0076	SQ	>50 SQ, 20 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	20.54	
07 51 13 00-0077		Built-Up Roofing Components (Garland) (07 51 13) Note: All tasks presented as a single layer. Adhesives are priced separately.		
07 51 13 00-0078		Modified Cap Membranes (07 51 13 00-0077) See CSI section 07 51 13 00-0102 for base membrane.		
07 51 13 00-0079		Modified Cap Membranes, Hot/Cold Applied (07 51 13 00-0078) Note: As manufactured by Garland. Pricing represents single ply per square. Includes 30 year leak-free warranty.		
07 51 13 00-0080	SQ	Stressply® FR Mineral Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Fiberglass Reinforced Membrane, Minimum 145 Mil	747.32	
07 51 13 00-0081	SQ	Stressply® Plus Poly/Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Membrane With Recycled Rubber, 105 Mil	534.81	
07 51 13 00-0082	SQ	Stressply® Plus FR Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Fiberglass Reinforced Membrane With Recycled Rubber, Minimum 155 Mil.....	662.02	
07 51 13 00-0083	SQ	Stressply® E Eco-Responsible, Smooth Styrene-Butadiene-Styrene (SBS)/Styrene-Isoprene-Styrene (SIS) Membrane With High Recycled Content And Renewable Materials	687.91	
07 51 13 00-0084	SQ	Stressply® E FR Mineral Eco-Responsible, Styrene-Butadiene-Styrene (SBS)/Styrene-Isoprene-Styrene (SIS) Membrane With High Recycled Content And Renewable Materials, Minimum 160 Mil	957.55	
07 51 13 00-0085	SQ	Stressply® EUV Fiberglass Reinforced, Minimum Poly/Fiberglass Reinforced White T-24 Styrene-Butadiene-Styrene (SBS)/Styrene-Isoprene-Styrene (SIS) Modified Membrane With Recycled Rubber, 160 Mil	1,076.37	
07 51 13 00-0086	SQ	Versiply® III 80 Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Membrane, 80 Mil	451.97	
		Note: Low strength cap sheet for hot or cold modified systems used with gravel.		
07 51 13 00-0087	SQ	Versiply® III Mineral Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Membrane, Minimum 145 Mil	570.62	
07 51 13 00-0088	SQ	BiFlex® Cap Fiberglass Reinforced, Mineral Surfaced Styrene-Butadiene-Styrene (SBS) Modified Membrane, 140 Mil	349.18	

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 51 Built-Up Bituminous Roofing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 51 13 00-0089		Modified Cap Membranes, Self-Adhering (07 51 13 00-0078)	
		Note: As manufactured by Garland. Pricing represents single ply per square. Includes 25 year leak-free warranty.	
07 51 13 00-0090	SQ	Stressply® SA FR Mineral Styrene-Butadiene-Styrene (SBS) Modified Self-Adhering Fiberglass Reinforced Membrane, Minimum 140 Mil	676.49
		Note: Self adhering system. One HPR SA FR base with one ply Stress Ply SA FR cap sheet.	
07 51 13 00-0091		Modified Cap Membranes, Torch-Applied (07 51 13 00-0078)	
		Note: As manufactured by Garland. Pricing represents single ply per square. Includes 30 year leak-free warranty.	
07 51 13 00-0092	SQ	Stressply® IV Dual Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Membrane, Torch Applied, 180 Mil	832.64
		Note: Smooth surfaced Styrene-Butadiene-Styrene (SBS) torch modified top ply of torch system with gravel.	
07 51 13 00-0093	SQ	Stressply® IV Mineral Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Membrane, Torch Applied, Minimum 195 Mil	905.77
07 51 13 00-0094	SQ	Stressply® IV UV Mineral Fiberglass Reinforced, Starburst Surface Styrene-Butadiene-Styrene (SBS) Modified Membrane, Torch Applied, Title 24 Compliant, 195 Mil	954.51
07 51 13 00-0095	SQ	Stressply® IV Plus Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Membrane, Torch Applied, 180 Mil	872.25
07 51 13 00-0096	SQ	Stressply® IV Plus Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Mineral Surfaced Membrane, Torch Applied, 195 Mil	924.05
07 51 13 00-0097	SQ	Stressply® IV Plus UV Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Reflective Mineral Membrane, Torch Applied, 195 Mil	969.75
07 51 13 00-0098		Modified Cap Membranes, Coal Tar Pitch Systems (07 51 13 00-0078)	
		Note: As manufactured by Garland. Pricing represents single ply per square. Includes 30 year leak-free warranty.	
07 51 13 00-0099	SQ	Millennium® Poly/Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Coal Tar Membrane, Minimum 120 Mil	766.93
07 51 13 00-0100	SQ	Millennium® FR Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Coal Tar Fiberglass Reinforced Membrane, Minimum 160 Mil	1,213.48
07 51 13 00-0101	SQ	Millennium® Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Coal Tar Membrane, Minimum 160 Mil	988.03
07 51 13 00-0102		Base Ply (07 51 13 00-0077)	
		Note: Used with modified cap membranes, underlayment for metal systems, and reinforcement for restoration systems. See CSI section 07 51 13 00-0078 for cap membrane.	
07 51 13 00-0103	SQ	Flexbase® E120 Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Base Sheet Used As Base Ply With Biflex Cap, 120 Mil	683.34
07 51 13 00-0104	SQ	Flexbase® 80 Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Base Sheet Used As Base Ply With Biflex Cap, 80 Mil	429.70
07 51 13 00-0105	SQ	HPR® Glasbase Heavy-Duty Double Coated ASTM D 4601, Type II Fiberglass, Type II, 55 Mil	98.56
		Note: Glasbase used in cold system, nailed to deck, or inner ply 2 plies with cap.	
07 51 13 00-0106	SQ	HPR® Glasfelt Asphalt Saturated Fiberglass Felt, ASTM D 2178 Type IV, 20 Mil	65.35
		Note: Inner ply felts for hot applied built up and modified BUR systems.	
07 51 13 00-0107	SQ	HPR® Premium Glasbase High Strength, Double Coated Premium Base Sheet, Far Exceeds ASTM D 4601 Type II, 55 Mil	79.51
07 51 13 00-0108	SQ	HPR® Premium Glasfelt Premium Asphalt Saturated Fiberglass Felt, ASTM D 2178 Type VI, 25 Mil	86.36
07 51 13 00-0109	SQ	HPR® Tribase Premium Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Base Sheet, 60 Mil	133.97
		Note: Inner plies for cold applied modified, Styrene-Butadiene-Styrene (SBS) modified, or 2 plies under cap sheet.	
07 51 13 00-0110	SQ	Millennium® Base Poly/Fiberglass Reinforced Coal Tar Base Sheet For Cold Millennium Systems, 80 Mil	434.84
07 51 13 00-0111	SQ	HPR® SA FR Base Sheet Styrene-Butadiene-Styrene (SBS) Modified Self-Adhering Underlayment Used In SP SA Fiberglass Reinforced Systems, Minimum 80 Mil	375.63
		Note: Self adhering base ply for self adhering 2 ply system.	
07 51 13 00-0112	SQ	SA Base IV Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Underlayment Used With StressPly Cap Sheets, 110 Mil	350.10
07 51 13 00-0113	SQ	StressBase® 120 Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Underlayment Used With VersiPly And StressPly Cap Sheets, 120 Mil	381.14
07 51 13 00-0114	SQ	StressBase® 80 Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Underlayment Used With VersiPly And StressPly Cap Sheets, 80 Mil	316.40
07 51 13 00-0115	LF	Garmesh® 6" Styrene-Butadiene-Styrene (SBS) Coated Woven Fiberglass Reinforcing Fabric	5.85
07 51 13 00-0116	LF	Grip Polyester® Firm Polyester Reinforcement Used For Cold Application Over Smooth BUR Or Modified Roof Systems	16.01
07 51 13 00-0117	SQ	Grip Polyester® Soft Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems	76.08
07 51 13 00-0118	LF	Grip Polyester® Soft 12" Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems	7.60
07 51 13 00-0119	LF	Grip Polyester® Soft 4" Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems	5.54
07 51 13 00-0120	LF	Grip Polyester® Soft 6" Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems	6.43
07 51 13 00-0121	SQ	HPR® Polyscrim Plus Polyester Reinforcement For Hot Bitumen Applications	165.89
07 51 13 00-0122		Coatings And Mastics For Roof Installation, Restoration And Repairs (07 51 13 00-0077)	
07 51 13 00-0123	SQ	Water Based Roof Primer, GarlaPrime VOC Primer	48.52
07 51 13 00-0124	SQ	Black-Knight® Primer	44.93
07 51 13 00-0125	SQ	Black-Knight® Cold, Cold Process Polymer Modified Coal Tar, Interply	182.95
07 51 13 00-0126	SQ	Black-Knight® Cold, Cold Process Polymer Modified Coal Tar, Flood Coat (4-5 GAL/SQ)	194.10
07 51 13 00-0127	SQ	Black-Knight® Cold, Cold Process Polymer Modified Coal Tar, Restoration (6-8 GAL/SQ)	309.06
07 51 13 00-0128	SQ	Black-Knight® LV Hot Applied Polymer Modified Lower Viscosity Coal Tar Adhesive, Interply	495.88
07 51 13 00-0129	SQ	Black-Knight® LV Hot Applied Polymer Modified Lower Viscosity Coal Tar Adhesive, Flood Coat	510.73

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0130	SQ	Energizer® K Plus FR Cold Applied Styrene-Butadiene-Styrene (SBS) Modified Asphalt Coating With Kevlar® For Smooth And Mineral Restoration, One Coat (3 GAL/SQ)	238.98	
07 51 13 00-0131	SQ	Energizer® K Plus FR Cold Applied Styrene-Butadiene-Styrene (SBS) Modified Asphalt Coating With Kevlar® For Smooth And Mineral Restoration, Restoration	394.99	
07 51 13 00-0132	SQ	Energizer® LO Low Odor Cold Applied Polyurethane Modified Asphalt Liquid Membrane For Smooth And Mineral Restoration, One Coat (3 GAL/SQ)	608.13	
07 51 13 00-0133	SQ	Energizer® LO Low Odor Cold Applied Polyurethane Modified Asphalt Liquid Membrane For Smooth And Mineral Restoration, Restoration	1,010.43	
07 51 13 00-0134	SQ	Garlastic® KM Plus Premium Hot Applied, Styrene-Ethylene-Butadiene-Styrene (SEBS) Modified Adhesive/Waterproof, Interply	423.46	
07 51 13 00-0135	SQ	Garlastic® KM Plus Premium Hot Applied, Styrene-Ethylene-Butadiene-Styrene (SEBS) Modified Adhesive/Waterproof, Flood Coat	438.31	
07 51 13 00-0136	SQ	Green-Lock® Flashing Adhesive 100% Solids Polyether, Zero VOC, Flashing Adhesive To Be Used With Styrene-Butadiene-Styrene (SBS) Sheets Only	927.70	
07 51 13 00-0137	SQ	Green-Lock® Membrane Adhesive 100% Solids Polyether, Zero VOC, Membrane Adhesive To Be Used With Styrene-Butadiene-Styrene (SBS) Sheets Only	402.16	
07 51 13 00-0138	SQ	HPR® All-Temp Asphalt Hot Applied, High Softening Point, High Penetration Mopping Asphalt, Interply	197.04	
07 51 13 00-0139	SQ	HPR® All-Temp Asphalt Hot Applied, High Softening Point, High Penetration Mopping Asphalt, Flood Coat	211.89	
07 51 13 00-0140	SQ	Insul-Lock® E HR Bio-Based High Rise Urethane Insulation Adhesive For New Construction Or Gravel	184.26	
07 51 13 00-0141	SQ	Insul-Lock® HR High Rise Urethane Insulation Adhesive For New Construction Or Gravel Recovers	172.16	
07 51 13 00-0142	SQ	Insul-Lock® HR Universal Primer All-Purpose Water Based Primer Designed For Use With The Insul-Lock Products	22.16	
		Note: Adheres all insulation layers for cold systems.		
07 51 13 00-0143	SQ	Pyramic® Plus LO White, Water-Based Acrylic, Low VOC, Reflective Roof Coating, Energy Star, Top Coat Required	207.50	
07 51 13 00-0144	SQ	Pyramic® Plus LO Base Coat, Water-Based, Acrylic, Low VOC, Base Coating For A Pyramic System	201.17	
07 51 13 00-0145	LF	Silver-Flash® Aluminized Asphalt Fibered Trowel Grade Mastic Used With GarMesh	26.00	
07 51 13 00-0146	SQ	Solex® White, Kynar® Acrylic Topcoat Roof Coating Used With Pyramic Base Coat	268.46	
07 51 13 00-0147	SQ	Tuff-Flash™ Multi-Purpose Asphaltic Polyurethane Liquid Flashing Membrane Used With Reinforcing Fabric	1,544.26	
07 51 13 00-0148	SQ	Weatherscreen™ Rubberized, Fiber-Reinforced Fire-Rated Restoration For Modified And Gravel, Flood Coat (4-5 GAL/SQ)	343.09	
07 51 13 00-0149	SQ	Weatherscreen™ Rubberized, Fiber-Reinforced Fire-Rated Restoration For Modified And Gravel	418.34	
07 51 13 00-0150	SQ	Weatherking® Cold Applied Rubber Modified Asphalt Interplay Adhesive For Slopes Up To 3:12, Interply	156.12	
07 51 13 00-0151	SQ	Weatherking® Flashing Adhesive Brush Grade, Cold Applied Asphalt Adhesive For Flashings In A Weatherking System	521.85	
07 51 13 00-0152	SQ	Weatherking® Plus WC Cold Applied Rubber Modified, VOC Compliant Asphalt Interply Adhesive For Slopes Up To 2:12, Interply	154.96	
		Note: Inner ply and flood coat SEBS modified adhesive for all cold systems with gravel.		
07 51 13 00-0153		Built-Up Roofing Components (Tremco) (07 51 13) Note: All tasks presented as a single layer. Adhesives are priced separately.		
07 51 13 00-0154		Cold Applied BUR Base Plies And Ply Sheets (07 51 13 00-0153)		
07 51 13 00-0155	SQ	BURmastic Composite Ply, Cold Applied BUR Component	150.31	
		Note: Asphalt coated polyester/glass/polyester trilaminate reinforced ply sheet. Type II. 55 mils. Also used as a hot or cold applied base sheet.		
07 51 13 00-0156	SQ	BURmastic Premium Composite Ply, Cold Applied BUR Component	182.27	
		Note: Asphalt coated polyester/glass/polyester trilaminate reinforced high strength ply sheet. Type II. 57 mil. Also used as a hot or cold applied base sheet.		
07 51 13 00-0157	SQ	BURmastic Supreme Composite Ply, Cold Applied BUR Component	209.72	
		Note: Asphalt coated polyester/glass/polyester trilaminate reinforced high strength ply sheet. Type II. 51 mil. Also used as a hot or cold applied base sheet.		
07 51 13 00-0158	SQ	28 Lb. BURmastic Glass Ply, Cold Applied BUR Component	47.73	
		Note: Asphalt coated fiberglass base or ply sheet. Type II.		
07 51 13 00-0159	SQ	33 Lb. BURmastic Glass Ply, Cold Applied BUR Component	69.15	
		Note: Asphalt coated fiberglass base or ply sheet. Type II.		
07 51 13 00-0160	SQ	POWERply Modified HE Base Sheet, Hot Or Cold Applied BUR Component	286.84	
		Note: Smooth surfaced, high elongation polyester reinforced modified bitumen base sheet. Type I, Grade S. 94 mil.		
07 51 13 00-0161	SQ	POWERply Modified Heavy-Duty Base Sheet, Hot Applied BUR Component	265.35	
		Note: A smooth surfaced, non-woven fiberglass/scrim fiberglass bilaminate reinforced modified bitumen membrane. 120 mil.		
07 51 13 00-0162		Hot Or Cold Applied Modified Bitumen Cap Membrane (07 51 13 00-0153)		
07 51 13 00-0163	SQ	POWERply Standard Smooth Cap Membrane, Hot Or Cold Applied BUR Component	162.51	
		Note: Fiberglass reinforced modified bitumen membrane. Type I, Grade S. 80 mils. Also used as a hot or cold applied ply.		
07 51 13 00-0164	SQ	POWERply Premium Smooth Cap Membrane, Hot Or Cold Applied BUR Component	429.95	
		Note: Polyester/glass bilaminate reinforced modified bitumen membrane. Type III, Grade S. 90 mils. Also used as a hot or cold applied ply.		
07 51 13 00-0165	SQ	POWERply Supreme Smooth Cap Membrane, Hot Or Cold Applied BUR Component	711.00	
		Note: Polyester/glass bilaminate reinforced modified bitumen membrane. Type III, Grade S. 98 mils. Also used as a hot or cold applied ply.		
07 51 13 00-0166	SQ	POWERply Standard Cap Membrane, Hot Or Cold Applied BUR Component	189.89	
		Note: Granule surface, fiberglass reinforced modified bitumen cap sheet membrane. 120 mils. Black or white surface.		
07 51 13 00-0167	SQ	POWERply Standard FR Cap Membrane, Hot Or Cold Applied BUR Component	291.17	
		Note: Fire rated, granule surfaced, fiberglass reinforced modified bitumen membrane. Type I, Grade G. 120 mils.		
07 51 13 00-0168	SQ	POWERply Premium FR Cap Membrane, Hot Or Cold Applied BUR Component	705.52	
		Note: Fire rated, granule surfaced, polyester/glass bilaminate reinforced modified bitumen membrane. Type III, Grade S. 160 mils. Black or white surface.		
07 51 13 00-0169	SQ	POWERply Standard FR GT24W Cap Membrane, Hot Or Cold Applied BUR Component	513.61	
		Note: Highly reflective, fire rated, granule surfaced, fiberglass reinforced modified bitumen membrane meeting California's Title 24 requirements. Type I, Grade G. 120 mils.		
07 51 13 00-0170	SQ	POWERply HE FR Cap Sheet, Hot Applied BUR Component	508.98	
		Note: High elongation, fire rated, granule surfaced, polyester reinforced modified bitumen membrane. 160 mils.		

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 51 Built-Up Bituminous Roofing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 51 13 00-0171 Self Adhesive Base Plies And Ply Sheets (07 51 13 00-0153)			
07 51 13 00-0172	SQ	POWERply SA Base Sheet, Self Adhesive Roofing Note: A self adhesive, fiberglass reinforced Styrene-Butadiene-Styrene (SBS) modified bitumen base sheet/underlayment. Type 1, Grade S. 80 mils.	295.57
07 51 13 00-0173	SQ	POWERply SA FR Membrane, Self Adhesive Roofing Note: A fire rated, granule surfaced, polyester reinforced, self adhesive Styrene-Butadiene-Styrene (SBS) modified bitumen membrane. Type I, Grade G. 130 mils.	585.70
07 51 13 00-0174 Flashings (07 51 13 00-0153)			
07 51 13 00-0175	LF	11-1/2" Hypalon Elastomeric Flashing Note: 45 mils.	18.30
07 51 13 00-0176	LF	19" Hypalon Elastomeric Flashing Note: 45 mils.	29.70
07 51 13 00-0177	LF	25" Hypalon Elastomeric Flashing Note: 45 mils.	39.43
07 51 13 00-0178	LF	38" Hypalon Elastomeric Flashing Note: 45 mils.	57.85
07 51 13 00-0179	LF	60-1/2" Hypalon Elastomeric Flashing Note: 45 mils.	95.27
07 51 13 00-0180	LF	12" TRA Elastomeric Flashing Membrane Note: Polyester reinforced flashing membrane. 45 mils.	14.50
07 51 13 00-0181	LF	18" TRA Elastomeric Flashing Membrane Note: Polyester reinforced flashing membrane. 45 mils.	23.61
07 51 13 00-0182	LF	24" TRA Elastomeric Flashing Membrane Note: Polyester reinforced flashing membrane. 45 mils.	31.45
07 51 13 00-0183	LF	36" TRA Elastomeric Flashing Membrane Note: Polyester reinforced flashing membrane. 45 mils.	45.97
07 51 13 00-0184	LF	60" TRA Elastomeric Flashing Membrane Note: Polyester reinforced flashing membrane. 45 mils.	77.39
07 51 13 00-0185	LF	4" BURmesh Fabric Note: Glass membrane for reinforcement or repair of roof membranes and flashings.	4.09
07 51 13 00-0186	LF	6" BURmesh Fabric Note: Glass membrane for reinforcement or repair of roof membranes and flashings.	4.27
07 51 13 00-0187	LF	12" BURmesh Fabric Note: Glass membrane for reinforcement or repair of roof membranes and flashings.	6.02
07 51 13 00-0188	LF	36" BURmesh Fabric Note: Glass membrane for reinforcement or repair of roof membranes and flashings.	15.56
07 51 13 00-0189 Cold Applied Adhesives (07 51 13 00-0153)			
07 51 13 00-0190	SQ	BURmastic Inter-Ply Cold Applied Adhesive.....	183.79
07 51 13 00-0191	SQ	BURmastic Flood Coat Cold Applied Adhesive.....	303.01
07 51 13 00-0192	SQ	BURmastic SF Inter-Ply Cold Applied Adhesive.....	234.01
07 51 13 00-0193	SQ	BURmastic LV Inter-Ply Cold Applied Adhesive.....	183.79
07 51 13 00-0194	SQ	POWERply Standard Inter-Ply Cold Applied Adhesive.....	93.29
07 51 13 00-0195	SQ	POWERply Standard Flood Coat Cold Applied Adhesive.....	207.21
07 51 13 00-0196	SQ	POWERply White On White Cold Applied Adhesive.....	204.48
07 51 13 00-0197	SQ	Rock-It Cold Applied Adhesive For Gravel Applications.....	569.62
07 51 13 00-0198	SQ	FAS-n-FREE Cold Applied Adhesive (Beads 12" OC)..... Note: For insulation only.	314.86
07 51 13 00-0199	SQ	ECOLastic Cold Applied Adhesive.....	353.95
07 51 13 00-0200 Hot Applied Adhesives (07 51 13 00-0153)			
07 51 13 00-0201	SQ	Premium III Asphalt Inter-Ply Hot Applied Adhesive.....	66.41
07 51 13 00-0202	SQ	Premium III Asphalt Flood Coat Hot Applied Adhesive.....	122.73
07 51 13 00-0203 Flashings Adhesives (07 51 13 00-0153)			
07 51 13 00-0204	LF	Sheeting Bond Flashing Adhesive Note: Used to attach Hypalon sheeting to asphalt or coal-tar roofing membranes.	22.41
07 51 13 00-0205	LF	Polyroof SF Flashing Mastic..... Note: A solvent free, one part elastomeric roof mastic. Used to seal edges or as a repair mastic for split or cracked seals.	29.60
07 51 13 00-0206	LF	ELS Flashing Mastic Note: Used for repairing flashings and asphalt built-up roof defects.	18.09
07 51 13 00-0207	LF	TremSEAL D General Purpose Sealant.....	6.89
07 51 13 00-0208	LF	TremSEAL HP High Performance Sealant.....	7.08
07 51 13 00-0209	LF	TremSEAL S Silicone Sealant.....	6.93
07 51 13 00-0210 Surfacing (07 51 13 00-0153)			
07 51 13 00-0211	SQ	TremLastic SP Non-Fibered Elastomeric Emulsion Cold Applied Coating.....	273.82
07 51 13 00-0212	SQ	ICE Coating, Water Based, Heavy Bodied Elastomeric Roof Coating.....	612.47
07 51 13 00-0213	SQ	Polar Coat.....	157.37
07 51 13 00-0214	SQ	Alumanation 301, Asphalt Based, Fibrated Aluminum Roof Coating.....	192.87
07 51 13 00-0215	SQ	Wall-Tite, Elastomeric Coating For Exterior Above-Grade Walls.....	560.30
07 51 13 00-0216	SQ	Solarguard Hy-Build, Elastomeric Coating For Exterior Above-Grade Walls.....	254.21
07 51 13 00-0217	SQ	100% Stitchbonded, Polyester Fabric (Tremco PERMAFAB).....	72.22
07 51 13 00-0218 Walkway Protection Pads (07 51 13 00-0153)			
07 51 13 00-0219	LF	36" Wide, Fiberglass Reinforced Asphaltic Walkway Protection Pad (Tremco Trem-Tred®).....	35.53

MINOR		CSI UOM DESCRIPTION		TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
07 51 13 00-0220		Primer (07 51 13 00-0153)			
07 51 13 00-0221	SQ	TREMprime WB Primer Note: Water based polymer modified asphalt primer.		40.56	
07 51 13 00-0222	SQ	Solarguard Masonry Primer, Acrylic Latex Primer For Wall Tite F Coating		90.19	
07 51 13 00-0223		Liquid Applied Roofing (07 51 13 00-0153)			
07 51 13 00-0224	SQ	Trem-LAR LRM H Waterproofing (Horizontal) Note: One part liquid applied elastomeric roofing membrane. 60 mils.		465.84	
07 51 13 00-0225	SQ	Trem-LAR LRM V Waterproofing (Vertical) Note: One part liquid applied elastomeric roofing membrane. 60 mils.		474.50	
07 51 13 00-0226	SQ	AlphaGuard BIO Base Coat, High Performance, Two-Part, Polyurethane Roof Coating For Smooth BUR/MB, Concrete Or Single Ply Surfaces Note: Two part liquid applied polyurethane roof coating. 48 mils.		609.47	
07 51 13 00-0227	SQ	AlphaGuard BIO Base Coat, High Performance, Two-Part, Polyurethane Roof Coating For Granule MB Surfaces Note: Two part liquid applied polyurethane roof coating. 64 mils.		792.81	
07 51 13 00-0228	SQ	AlphaGuard BIO Top Coat, High Performance, Two-Part, Polyurethane Roof Coating..... Note: Two part liquid applied polyurethane roof coating. 32 mils.		462.47	
07 51 13 00-0229	SQ	AlphaGuard Glass Mat Note: Reinforcement mat for AlphaGuard systems.		88.87	
07 51 13 00-0230	SQ	AlphaGuard C-Prime Primer Note: 100% solids epoxy primer for concrete surfaces.		90.25	
07 51 13 00-0231	SQ	AlphaGuard M-Prime Primer..... Note: Water based primer for metal and plastic surfaces.		96.98	
07 51 13 00-0232	SQ	Geogard Primer Note: Reactivation primer for cured AlphaGuard MT roof systems and coatings.		71.56	
07 51 13 00-0233	SQ	AlphaGuard Primer WB Note: Water based polymer modified primer which conditions a variety of roofing substrates prior to the application of AlphaGuard systems.		64.40	
07 51 13 00-0234		Atactic-Polypropylene (APP) Products (07 51 13 00-0153)			
07 51 13 00-0235	SQ	POWERply Atactic-Polypropylene (APP) Base Sheet		240.37	
07 51 13 00-0236	SQ	POWERply Atactic-Polypropylene (APP) FR		454.70	
07 51 13 00-0237	SQ	POWERply Atactic-Polypropylene (APP) Smooth		364.38	
07 51 13 00-0238		Tri-Polymer Alloy (TPA) White Membrane (07 51 13 00-0153)			
07 51 13 00-0239	SQ	45 Mil Tri-Polymer Alloy (TPA) White Membrane		638.69	
07 51 13 00-0240	SQ	60 Mil Tri-Polymer Alloy (TPA) White Membrane		875.65	
07 51 13 00-0241	SQ	80 Mil Tri-Polymer Alloy (TPA) White Membrane		994.75	
07 51 13 00-0242		Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane (07 51 13 00-0153)			
07 51 13 00-0243	SQ	45 Mil Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane.....		734.23	
07 51 13 00-0244	SQ	60 Mil Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane.....		900.47	
07 51 13 00-0245	SQ	80 Mil Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane.....		1,101.44	
07 51 13 00-0246		Tri-Polymer Alloy (TPA) Membrane Accessories (07 51 13 00-0153)			
07 51 13 00-0247	EA	>1" To 4" Pipe Diameter, Prefabricated Tri-Polymer Alloy (TPA) Pipe Cone/Boot (Tremco)		131.37	
07 51 13 00-0248	EA	>4" To 8" Pipe Diameter, Prefabricated Tri-Polymer Alloy (TPA) Pipe Cone/Boot (Tremco)		149.19	
07 51 13 00-0249	LF	36" Wide, Thermoplastic Tri-Polymer Alloy (TPA) Walkway Protection Pad (Tremco)		21.41	
07 51 13 00-0250	SQ	Factory Coated Steel Fasteners And Steel Or Plastic Membrane Plates (Tremco).....		74.48	
07 51 13 00-0251		Thermoplastic Polyolefin (TPO) Polyester White Membrane (07 51 13 00-0153)			
07 51 13 00-0252	SQ	45 Mil Thermoplastic Polyolefin (TPO) Polyester White Membrane		343.45	
07 51 13 00-0253	SQ	60 Mil Thermoplastic Polyolefin (TPO) Polyester White Membrane		347.79	
07 51 13 00-0254	SQ	80 Mil Thermoplastic Polyolefin (TPO) Polyester White Membrane		619.42	
07 51 13 00-0255		Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane (07 51 13 00-0153)			
07 51 13 00-0256	SQ	45 Mil Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane.....		399.02	
07 51 13 00-0257	SQ	60 Mil Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane.....		449.46	
07 51 13 00-0258	SQ	80 Mil Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane.....		653.64	
07 51 13 00-0259		Chlorosulfonated Polyethylene (CSPE) White Membrane (Tremply HP 4510) (07 51 13 00-0153)			
07 51 13 00-0260	SQ	45 Mil Chlorosulfonated Polyethylene (CSPE) White Membrane (Tremply HP 4510)		1,070.81	
07 51 13 00-0261		Single Ply Adhesives (07 51 13 00-0153)			
07 51 13 00-0262	SQ	Low VOC, TPA Bonding Adhesive (Tremco)		173.79	
07 51 13 00-0263	SQ	Water Based, TPA Bonding Adhesive (Tremco).....		196.23	
07 51 13 00-0264	SQ	Water Based, Fleece Backed Single Ply Bonding Adhesive (Tremco)		170.54	
07 51 13 00-0265	SQ	Low VOC, TPO Bonding Adhesive (Tremco).....		113.96	
07 51 13 00-0266		Warranty (Tremco) (07 51 13 00-0153)			

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 51 Built-Up Bituminous Roofing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 51 13 00-0267	EA	Up To 10,000 SF 15 Year Roofing System Warranty	1,500.00
07 51 13 00-0268	SF	>10,000 SF 15 Year Roofing System Warranty	0.15
07 51 13 00-0269	EA	Up To 10,000 SF 20 Year Roofing System Warranty	2,000.00
07 51 13 00-0270	SF	>10,000 SF 20 Year Roofing System Warranty	0.20

07 52 Modified Bituminous Membrane Roofing (07 50)**07 52 13 Atactic-Polypropylene Modified Bituminous Membrane Roofing** (07 52)

Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing.
 See CSI section 07 51 13 00-0001 for additional components such as concrete primers, cant strips, surfacing, walkway boards, demolition and warranties.

07 52 13 11 Cold Adhesive Applied Atactic-Polypropylene-Modified Bituminous Membrane Roofing (07 52 13)**07 52 13 11-0001 Cold Adhesive Applied Atactic-Polypropylene (APP) Modified Bituminous Membrane Roofing** (07 52 13 11)

Note: Includes fiberglass and/or polyester reinforcement. Includes applying cold adhesive and embedding the membrane. Includes heat welding side and end laps when required.

07 52 13 11-0002 Cold Adhesive Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Base, Ply And Cap Sheets (07 52 13 11-0001)

07 52 13 11-0003	SQ	80 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Sheet, Cold Adhesive Applied	228.26
		For Up To 10, Add	53.69
		For >10 To 20, Add	28.85
		For >20 To 40, Add	15.43
		For >75 To 100, Deduct	-7.72
		For >100 To 200, Deduct	-16.44
		For >200, Deduct	-24.15
07 52 13 11-0004	SQ	90 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Or Ply Sheet, Cold Adhesive Applied	278.02
		For Up To 10, Add	63.64
		For >10 To 20, Add	33.83
		For >20 To 40, Add	17.92
		For >75 To 100, Deduct	-8.96
		For >100 To 200, Deduct	-18.92
		For >200, Deduct	-27.88
07 52 13 11-0005	SQ	160 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Cold Adhesive Applied	436.90
		For Up To 10, Add	95.42
		For >10 To 20, Add	49.72
		For >20 To 40, Add	25.86
		For >75 To 100, Deduct	-12.93
		For >100 To 200, Deduct	-26.87
		For >200, Deduct	-39.80
07 52 13 11-0006	SQ	160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied	440.72
		For Up To 10, Add	96.95
		For >10 To 20, Add	50.67
		For >20 To 40, Add	26.44
		For >75 To 100, Deduct	-13.22
		For >100 To 200, Deduct	-27.54
		For >200, Deduct	-40.76
07 52 13 11-0007	SQ	160 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied	315.24
		For Up To 10, Add	71.85
		For >10 To 20, Add	38.13
		For >20 To 40, Add	20.16
		For >75 To 100, Deduct	-10.08
		For >100 To 200, Deduct	-21.26
		For >200, Deduct	-31.34
		For Factory Applied White Reflective Surfacing, Add	108.28
07 52 13 11-0008	SQ	160 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied	365.56
		For Up To 10, Add	81.91
		For >10 To 20, Add	43.16
		For >20 To 40, Add	22.68
		For >75 To 100, Deduct	-11.34
		For >100 To 200, Deduct	-23.78
		For >200, Deduct	-35.12
		For Factory Applied White Reflective Surfacing, Add	108.28
07 52 13 11-0009	SQ	180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied	502.69
		For Up To 10, Add	109.34
		For >10 To 20, Add	56.87
		For >20 To 40, Add	29.54
		For >75 To 100, Deduct	-14.77
		For >100 To 200, Deduct	-30.64
		For >200, Deduct	-45.40
		For Factory Applied White Reflective Surfacing, Add	108.28

07 52 13 11-0010 Cold Adhesive Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Flashing (07 52 13 11-0001)

07 52 13 11-0011	SF	160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Cold Adhesive Applied	6.38
07 52 13 11-0012	SF	180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Cold Adhesive Applied	9.75
		For Factory Applied White Reflective Surfacing, Add	1.08

07 52 13 13 Torch-Applied Atactic-Polypropylene-Modified Bituminous Membrane Roofing (07 52 13)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
07 52 13 13-0001			Torch-Applied Atactic-Polypropylene (APP) Modified Bituminous Membrane Roofing (07 52 13 13)		
			Note: Includes fiberglass and/or polyester reinforcement. Includes adhering the membrane with a torch.		
07 52 13 13-0002			Torch-Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Base, Ply And Cap Sheets (07 52 13 13-0001)		
07 52 13 13-0003	SQ		80 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Sheet, Torch-Applied.....	164.52	
			For Up To 10, Add	40.93	
			For >10 To 20, Add	22.47	
			For >20 To 40, Add	12.24	
			For >75 To 100, Deduct	-6.12	
			For >100 To 200, Deduct	-13.24	
			For >200, Deduct	-19.37	
07 52 13 13-0004	SQ		90 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Or Ply Sheet, Torch-Applied.....	214.28	
			For Up To 10, Add	50.89	
			For >10 To 20, Add	27.45	
			For >20 To 40, Add	14.73	
			For >75 To 100, Deduct	-7.36	
			For >100 To 200, Deduct	-15.73	
			For >200, Deduct	-23.10	
07 52 13 13-0005	SQ		150 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Torch-Applied.....	257.79	
			For Up To 10, Add	63.62	
			For >10 To 20, Add	34.82	
			For >20 To 40, Add	18.92	
			For >75 To 100, Deduct	-9.46	
			For >100 To 200, Deduct	-20.43	
			For >200, Deduct	-29.89	
07 52 13 13-0006	SQ		160 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Torch-Applied.....	270.53	
			For Up To 10, Add	66.17	
			For >10 To 20, Add	36.10	
			For >20 To 40, Add	19.56	
			For >75 To 100, Deduct	-9.78	
			For >100 To 200, Deduct	-21.06	
			For >200, Deduct	-30.84	
07 52 13 13-0007	SQ		180 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Torch-Applied.....	373.89	
			For Up To 10, Add	86.84	
			For >10 To 20, Add	46.43	
			For >20 To 40, Add	24.72	
			For >75 To 100, Deduct	-12.36	
			For >100 To 200, Deduct	-26.23	
			For >200, Deduct	-38.59	
07 52 13 13-0008	SQ		150 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied.....	257.79	
			For Up To 10, Add	63.62	
			For >10 To 20, Add	34.82	
			For >20 To 40, Add	18.92	
			For >75 To 100, Deduct	-9.46	
			For >100 To 200, Deduct	-20.43	
			For >200, Deduct	-29.89	
07 52 13 13-0009	SQ		160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied.....	273.71	
			For Up To 10, Add	66.80	
			For >10 To 20, Add	36.42	
			For >20 To 40, Add	19.72	
			For >75 To 100, Deduct	-9.86	
			For >100 To 200, Deduct	-21.22	
			For >200, Deduct	-31.08	
07 52 13 13-0010	SQ		180 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied.....	373.89	
			For Up To 10, Add	86.84	
			For >10 To 20, Add	46.43	
			For >20 To 40, Add	24.72	
			For >75 To 100, Deduct	-12.36	
			For >100 To 200, Deduct	-26.23	
			For >200, Deduct	-38.59	
07 52 13 13-0011	SQ		160 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied.....	267.82	
			For Up To 10, Add	65.62	
			For >10 To 20, Add	35.83	
			For >20 To 40, Add	19.42	
			For >75 To 100, Deduct	-9.71	
			For >100 To 200, Deduct	-20.93	
			For >200, Deduct	-30.64	
			For Factory Applied White Reflective Surfacing, Add	108.28	
07 52 13 13-0012	SQ		170 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied.....	283.27	
			For Up To 10, Add	68.71	
			For >10 To 20, Add	37.37	
			For >20 To 40, Add	20.19	
			For >75 To 100, Deduct	-10.10	
			For >100 To 200, Deduct	-21.70	
			For >200, Deduct	-31.80	
			For Factory Applied White Reflective Surfacing, Add	108.28	
07 52 13 13-0013	SQ		160 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied.....	321.17	
			For Up To 10, Add	76.29	
			For >10 To 20, Add	41.16	
			For >20 To 40, Add	22.09	
			For >75 To 100, Deduct	-11.04	
			For >100 To 200, Deduct	-23.60	
			For >200, Deduct	-34.64	
			For Factory Applied White Reflective Surfacing, Add	108.28	

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 52 Modified Bituminous Membrane Roofing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 52 13 13-0014	SQ	170 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied.....	325.79	
		For Up To 10, Add	77.22	
		For >10 To 20, Add	41.62	
		For >20 To 40, Add	22.32	
		For >75 To 100, Deduct	-11.16	
		For >100 To 200, Deduct	-23.83	
		For >200, Deduct	-34.99	
		For Factory Applied White Reflective Surfacing, Add	108.28	
07 52 13 13-0015	SQ	180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied.....	455.27	
		For Up To 10, Add	103.11	
		For >10 To 20, Add	54.57	
		For >20 To 40, Add	28.79	
		For >75 To 100, Deduct	-14.40	
		For >100 To 200, Deduct	-30.30	
		For >200, Deduct	-44.70	
		For Factory Applied White Reflective Surfacing, Add	108.28	

07 52 13 13-0016 Torch-Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Flashing
(07 52 13 13-0001)

07 52 13 13-0017	SF	150 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	3.78	
07 52 13 13-0018	SF	160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	3.94	
07 52 13 13-0019	SF	180 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	4.95	
07 52 13 13-0020	SF	170 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	4.04	
		For Factory Applied White Reflective Surfacing, Add	1.08	
07 52 13 13-0021	SF	170 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	4.46	
		For Factory Applied White Reflective Surfacing, Add	1.08	
07 52 13 13-0022	SF	180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	5.76	
		For Factory Applied White Reflective Surfacing, Add	1.08	

07 52 13 14 Mechanically Fastened Atactic-Polypropylene-Modified Bituminous Membrane Roofing
(07 52 13)
07 52 13 14-0001 Mechanically Fastened Atactic-Polypropylene (APP) Modified Bituminous Membrane Roofing
(07 52 13 14)

Note: Includes fiberglass and/or polyester reinforcement. Includes fasteners.

07 52 13 14-0002 Mechanically Fastened, Atactic-Polypropylene (APP) Modified Bitumen Roofing Base And Ply Sheets
(07 52 13 14-0001)

07 52 13 14-0003	SQ	90 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Or Ply Sheet, Mechanically Fastened.....	243.80	
		For Up To 10, Add	52.78	
		For >10 To 20, Add	27.39	
		For >20 To 40, Add	14.20	
		For >75 To 100, Deduct	-7.10	
		For >100 To 200, Deduct	-14.70	
		For >200, Deduct	-21.80	

07 52 16 Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing
(07 52)

Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing. See CSI section 07 51 13 00-0001 for additional components such as concrete primers, cant strips, surfacing, walkway boards, demolition and warranties.

07 52 16 11 Cold Adhesive Applied Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing
(07 52 16)
07 52 16 11-0001 Cold Adhesive Applied Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing
(07 52 16 11)

Note: Includes fiberglass and/or polyester reinforcement. Includes applying cold adhesive and embedding the membrane. Includes heat welding side and end laps when required.

07 52 16 11-0002 Cold Adhesive Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets
(07 52 16 11-0001)

07 52 16 11-0003	SQ	50 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Cold Adhesive Applied.....	179.55	
		For Up To 10, Add	43.95	
		For >10 To 20, Add	23.98	
		For >20 To 40, Add	13.00	
		For >75 To 100, Deduct	-6.50	
		For >100 To 200, Deduct	-14.00	
		For >200, Deduct	-20.50	
07 52 16 11-0004	SQ	80 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Cold Adhesive Applied.....	234.79	
		For Up To 10, Add	55.00	
		For >10 To 20, Add	29.51	
		For >20 To 40, Add	15.76	
		For >75 To 100, Deduct	-7.88	
		For >100 To 200, Deduct	-16.76	
		For >200, Deduct	-24.64	
07 52 16 11-0005	SQ	90 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Cold Adhesive Applied.....	241.92	
		For Up To 10, Add	56.42	
		For >10 To 20, Add	30.22	
		For >20 To 40, Add	16.12	
		For >75 To 100, Deduct	-8.06	
		For >100 To 200, Deduct	-17.12	
		For >200, Deduct	-25.18	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 11-0006	SQ	120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Cold Adhesive Applied.....	330.05		
		For Up To 10, Add	74.05		
		For >10 To 20, Add	39.03		
		For >20 To 40, Add	20.52		
		For >75 To 100, Deduct	-10.26		
		For >100 To 200, Deduct	-21.53		
		For >200, Deduct	-31.79		
07 52 16 11-0007	SQ	125 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Ply Sheet, Cold Adhesive Applied.....	419.24		
		For Up To 10, Add	91.89		
		For >10 To 20, Add	47.95		
		For >20 To 40, Add	24.98		
		For >75 To 100, Deduct	-12.49		
		For >100 To 200, Deduct	-25.99		
		For >200, Deduct	-38.48		
07 52 16 11-0008	SQ	140 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	349.13		
		For Up To 10, Add	78.63		
		For >10 To 20, Add	41.51		
		For >20 To 40, Add	21.86		
		For >75 To 100, Deduct	-10.93		
		For >100 To 200, Deduct	-22.96		
		For >200, Deduct	-33.89		
07 52 16 11-0009	SQ	150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	358.71		
		For Up To 10, Add	80.54		
		For >10 To 20, Add	42.47		
		For >20 To 40, Add	22.34		
		For >75 To 100, Deduct	-11.17		
		For >100 To 200, Deduct	-23.44		
		For >200, Deduct	-34.61		
07 52 16 11-0010	SQ	125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	313.80		
		For Up To 10, Add	71.56		
		For >10 To 20, Add	37.98		
		For >20 To 40, Add	20.09		
		For >75 To 100, Deduct	-10.05		
		For >100 To 200, Deduct	-21.19		
		For >200, Deduct	-31.24		
		For Factory Applied White Reflective Surfacing, Add	108.28		
07 52 16 11-0011	SQ	140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	317.94		
		For Up To 10, Add	72.39		
		For >10 To 20, Add	38.40		
		For >20 To 40, Add	20.30		
		For >75 To 100, Deduct	-10.15		
		For >100 To 200, Deduct	-21.40		
		For >200, Deduct	-31.55		
		For Factory Applied White Reflective Surfacing, Add	108.28		
07 52 16 11-0012	SQ	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	356.17		
		For Up To 10, Add	80.04		
		For >10 To 20, Add	42.22		
		For >20 To 40, Add	22.21		
		For >75 To 100, Deduct	-11.10		
		For >100 To 200, Deduct	-23.31		
		For >200, Deduct	-34.41		
		For Factory Applied White Reflective Surfacing, Add	108.28		
07 52 16 11-0013	SQ	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	362.54		
		For Up To 10, Add	81.31		
		For >10 To 20, Add	42.86		
		For >20 To 40, Add	22.53		
		For >75 To 100, Deduct	-11.26		
		For >100 To 200, Deduct	-23.63		
		For >200, Deduct	-34.89		
		For Factory Applied White Reflective Surfacing, Add	108.28		
07 52 16 11-0014	SQ	170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	418.28		
		For Up To 10, Add	92.46		
		For >10 To 20, Add	48.43		
		For >20 To 40, Add	25.32		
		For >75 To 100, Deduct	-12.66		
		For >100 To 200, Deduct	-26.42		
		For >200, Deduct	-39.07		
		For Factory Applied White Reflective Surfacing, Add	108.28		
07 52 16 11-0015	SQ	180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	519.83		
		For Up To 10, Add	112.77		
		For >10 To 20, Add	58.58		
		For >20 To 40, Add	30.39		
		For >75 To 100, Deduct	-15.20		
		For >100 To 200, Deduct	-31.49		
		For >200, Deduct	-46.69		
		For Factory Applied White Reflective Surfacing, Add	108.28		

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 52 Modified Bituminous Membrane Roofing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 52 16 11-0016	SQ	125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	320.71
		For Up To 10, Add	72.94
		For >10 To 20, Add	38.67
		For >20 To 40, Add	20.44
		For >75 To 100, Deduct	-10.22
		For >100 To 200, Deduct	-21.54
		For >200, Deduct	-31.76
		For Factory Applied White Reflective Surfacing, Add	108.28
07 52 16 11-0017	SQ	140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	330.68
		For Up To 10, Add	74.94
		For >10 To 20, Add	39.67
		For >20 To 40, Add	20.94
		For >75 To 100, Deduct	-10.47
		For >100 To 200, Deduct	-22.04
		For >200, Deduct	-32.50
		For Factory Applied White Reflective Surfacing, Add	108.28
07 52 16 11-0018	SQ	150 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	384.83
		For Up To 10, Add	85.77
		For >10 To 20, Add	45.08
		For >20 To 40, Add	23.64
		For >75 To 100, Deduct	-11.82
		For >100 To 200, Deduct	-24.74
		For >200, Deduct	-36.56
		For Factory Applied White Reflective Surfacing, Add	108.28
07 52 16 11-0019	SQ	160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	386.11
		For Up To 10, Add	86.02
		For >10 To 20, Add	45.21
		For >20 To 40, Add	23.71
		For >75 To 100, Deduct	-11.85
		For >100 To 200, Deduct	-24.81
		For >200, Deduct	-36.66
		For Factory Applied White Reflective Surfacing, Add	108.28
07 52 16 11-0020	SQ	170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	410.32
		For Up To 10, Add	90.87
		For >10 To 20, Add	47.63
		For >20 To 40, Add	24.92
		For >75 To 100, Deduct	-12.46
		For >100 To 200, Deduct	-26.02
		For >200, Deduct	-38.48
		For Factory Applied White Reflective Surfacing, Add	108.28

07 52 16 11-0021 Cold Adhesive Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing

(07 52 16 11-0001)

07 52 16 11-0022	SF	150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	5.56
07 52 16 11-0023	SF	125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	5.11
		For Factory Applied White Reflective Surfacing, Add	1.08
07 52 16 11-0024	SF	140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	5.15
		For Factory Applied White Reflective Surfacing, Add	1.08
07 52 16 11-0025	SF	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	5.60
		For Factory Applied White Reflective Surfacing, Add	1.08
07 52 16 11-0026	SF	170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	6.15
		For Factory Applied White Reflective Surfacing, Add	1.08
07 52 16 11-0027	SF	180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	7.17
		For Factory Applied White Reflective Surfacing, Add	1.08
07 52 16 11-0028	SF	125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	5.18
		For Factory Applied White Reflective Surfacing, Add	1.08
07 52 16 11-0029	SF	140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	5.28
		For Factory Applied White Reflective Surfacing, Add	1.08
07 52 16 11-0030	SF	160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	5.83
		For Factory Applied White Reflective Surfacing, Add	1.08
07 52 16 11-0031	SF	170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	6.07
		For Factory Applied White Reflective Surfacing, Add	1.08
07 52 16 11-0032	SF	145 Mil, Aluminum Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	8.06
07 52 16 11-0033	SF	160 Mil, Copper Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	15.21

07 52 16 12 Hot-Mopped Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing

(07 52 16)

07 52 16 12-0001 Hot-Mopped Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing

(07 52 16 12)

Note: Includes fiberglass and/or polyester reinforcement. Includes mopping hot asphalt and embedding the membrane.

07 52 16 12-0002 Hot-Mopped, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets

(07 52 16 12-0001)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
07 52 16 12-0003	SQ		50 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Hot-Mopped.....	146.96	
			For Up To 10, Add	37.55	
			For >10 To 20, Add	20.81	
			For >20 To 40, Add	11.43	
			For >75 To 100, Deduct	-5.71	
			For >100 To 200, Deduct	-12.45	
			For >200, Deduct	-18.16	
07 52 16 12-0004	SQ		80 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Hot-Mopped.....	202.21	
			For Up To 10, Add	48.60	
			For >10 To 20, Add	26.34	
			For >20 To 40, Add	14.19	
			For >75 To 100, Deduct	-7.09	
			For >100 To 200, Deduct	-15.21	
			For >200, Deduct	-22.30	
07 52 16 12-0005	SQ		90 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Hot-Mopped.....	209.34	
			For Up To 10, Add	50.03	
			For >10 To 20, Add	27.05	
			For >20 To 40, Add	14.55	
			For >75 To 100, Deduct	-7.27	
			For >100 To 200, Deduct	-15.57	
			For >200, Deduct	-22.84	
07 52 16 12-0006	SQ		120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Hot-Mopped.....	297.46	
			For Up To 10, Add	67.65	
			For >10 To 20, Add	35.86	
			For >20 To 40, Add	18.95	
			For >75 To 100, Deduct	-9.48	
			For >100 To 200, Deduct	-19.97	
			For >200, Deduct	-29.45	
07 52 16 12-0007	SQ		125 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Ply Sheet, Hot-Mopped.....	386.65	
			For Up To 10, Add	85.49	
			For >10 To 20, Add	44.78	
			For >20 To 40, Add	23.41	
			For >75 To 100, Deduct	-11.71	
			For >100 To 200, Deduct	-24.43	
			For >200, Deduct	-36.14	
07 52 16 12-0008	SQ		140 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	316.60	
			For Up To 10, Add	72.25	
			For >10 To 20, Add	38.36	
			For >20 To 40, Add	20.30	
			For >75 To 100, Deduct	-10.15	
			For >100 To 200, Deduct	-21.41	
			For >200, Deduct	-31.56	
07 52 16 12-0009	SQ		150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	326.19	
			For Up To 10, Add	74.17	
			For >10 To 20, Add	39.32	
			For >20 To 40, Add	20.78	
			For >75 To 100, Deduct	-10.39	
			For >100 To 200, Deduct	-21.89	
			For >200, Deduct	-32.28	
07 52 16 12-0010	SQ		125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	281.28	
			For Up To 10, Add	65.19	
			For >10 To 20, Add	34.83	
			For >20 To 40, Add	18.53	
			For >75 To 100, Deduct	-9.27	
			For >100 To 200, Deduct	-19.65	
			For >200, Deduct	-28.91	
			For Factory Applied White Reflective Surfacing, Add	108.28	
07 52 16 12-0011	SQ		140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	285.42	
			For Up To 10, Add	66.02	
			For >10 To 20, Add	35.24	
			For >20 To 40, Add	18.74	
			For >75 To 100, Deduct	-9.37	
			For >100 To 200, Deduct	-19.85	
			For >200, Deduct	-29.22	
			For Factory Applied White Reflective Surfacing, Add	108.28	
07 52 16 12-0012	SQ		150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	323.64	
			For Up To 10, Add	73.66	
			For >10 To 20, Add	39.06	
			For >20 To 40, Add	20.65	
			For >75 To 100, Deduct	-10.32	
			For >100 To 200, Deduct	-21.77	
			For >200, Deduct	-32.09	
			For Factory Applied White Reflective Surfacing, Add	108.28	
07 52 16 12-0013	SQ		160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	330.01	
			For Up To 10, Add	74.94	
			For >10 To 20, Add	39.70	
			For >20 To 40, Add	20.97	
			For >75 To 100, Deduct	-10.48	
			For >100 To 200, Deduct	-22.08	
			For >200, Deduct	-32.57	
			For Factory Applied White Reflective Surfacing, Add	108.28	
07 52 16 12-0014	SQ		170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	385.75	
			For Up To 10, Add	86.08	
			For >10 To 20, Add	45.28	
			For >20 To 40, Add	23.75	
			For >75 To 100, Deduct	-11.88	
			For >100 To 200, Deduct	-24.87	
			For >200, Deduct	-36.75	
			For Factory Applied White Reflective Surfacing, Add	108.28	

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 52 Modified Bituminous Membrane Roofing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 52 16 12-0015	SQ	180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	487.30	
		For Up To 10, Add	106.39	
		For >10 To 20, Add	55.43	
		For >20 To 40, Add	28.83	
		For >75 To 100, Deduct	-14.42	
		For >100 To 200, Deduct	-29.95	
		For >200, Deduct	-44.36	
		For Factory Applied White Reflective Surfacing, Add	108.28	
07 52 16 12-0016	SQ	125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	288.19	
		For Up To 10, Add	66.57	
		For >10 To 20, Add	35.52	
		For >20 To 40, Add	18.88	
		For >75 To 100, Deduct	-9.44	
		For >100 To 200, Deduct	-19.99	
		For >200, Deduct	-29.43	
		For Factory Applied White Reflective Surfacing, Add	108.28	
07 52 16 12-0017	SQ	140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	298.16	
		For Up To 10, Add	68.57	
		For >10 To 20, Add	36.52	
		For >20 To 40, Add	19.38	
		For >75 To 100, Deduct	-9.69	
		For >100 To 200, Deduct	-20.49	
		For >200, Deduct	-30.18	
		For Factory Applied White Reflective Surfacing, Add	108.28	
07 52 16 12-0018	SQ	150 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	352.31	
		For Up To 10, Add	79.40	
		For >10 To 20, Add	41.93	
		For >20 To 40, Add	22.08	
		For >75 To 100, Deduct	-11.04	
		For >100 To 200, Deduct	-23.20	
		For >200, Deduct	-34.24	
		For Factory Applied White Reflective Surfacing, Add	108.28	
07 52 16 12-0019	SQ	160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	353.58	
		For Up To 10, Add	79.65	
		For >10 To 20, Add	42.06	
		For >20 To 40, Add	22.15	
		For >75 To 100, Deduct	-11.07	
		For >100 To 200, Deduct	-23.26	
		For >200, Deduct	-34.34	
		For Factory Applied White Reflective Surfacing, Add	108.28	
07 52 16 12-0020	SQ	170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	377.79	
		For Up To 10, Add	84.49	
		For >10 To 20, Add	44.48	
		For >20 To 40, Add	23.36	
		For >75 To 100, Deduct	-11.68	
		For >100 To 200, Deduct	-24.47	
		For >200, Deduct	-36.15	
		For Factory Applied White Reflective Surfacing, Add	108.28	

07 52 16 12-0021 Hot-Mopped, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing
(07 52 16 12-0001)

07 52 16 12-0022	SF	150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	5.35	
07 52 16 12-0023	SF	125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	4.90	
		For Factory Applied White Reflective Surfacing, Add	1.08	
07 52 16 12-0024	SF	140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	4.94	
		For Factory Applied White Reflective Surfacing, Add	1.08	
07 52 16 12-0025	SF	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	5.32	
		For Factory Applied White Reflective Surfacing, Add	1.08	
07 52 16 12-0026	SF	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	5.39	
		For Factory Applied White Reflective Surfacing, Add	1.08	
07 52 16 12-0027	SF	170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	5.94	
		For Factory Applied White Reflective Surfacing, Add	1.08	
07 52 16 12-0028	SF	180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	6.96	
		For Factory Applied White Reflective Surfacing, Add	1.08	
07 52 16 12-0029	SF	125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped.....	4.97	
		For Factory Applied White Reflective Surfacing, Add	1.08	
07 52 16 12-0030	SF	140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped.....	5.07	
		For Factory Applied White Reflective Surfacing, Add	1.08	
07 52 16 12-0031	SF	160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped.....	5.52	
		For Factory Applied White Reflective Surfacing, Add	1.08	
07 52 16 12-0032	SF	170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped.....	5.86	
		For Factory Applied White Reflective Surfacing, Add	1.08	
07 52 16 12-0033	SF	145 Mil, Aluminum Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	7.85	
07 52 16 12-0034	SF	160 Mil, Copper Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	15.00	

07 52 16 13 Torch-Applied Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing
(07 52 16)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST

07 52 16 13-0001			Torch-Applied Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing (07 52 16 13)		
			Note: Includes fiberglass and/or polyester reinforcement. Includes adhering the membrane with a torch.		
07 52 16 13-0002			Torch-Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets (07 52 16 13-0001)		
07 52 16 13-0003	SQ	120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Torch-Applied	302.38		
		For Up To 10, Add	72.54		
		For >10 To 20, Add	39.28		
		For >20 To 40, Add	21.15		
		For >75 To 100, Deduct	-10.57		
		For >100 To 200, Deduct	-22.66		
		For >200, Deduct	-33.23		
07 52 16 13-0004	SQ	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	271.48		
		For Up To 10, Add	66.36		
		For >10 To 20, Add	36.19		
		For >20 To 40, Add	19.60		
		For >75 To 100, Deduct	-9.80		
		For >100 To 200, Deduct	-21.11		
		For >200, Deduct	-30.91		
		For Factory Applied White Reflective Surfacing, Add	108.28		
07 52 16 13-0005	SQ	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	307.80		
		For Up To 10, Add	73.62		
		For >10 To 20, Add	39.83		
		For >20 To 40, Add	21.42		
		For >75 To 100, Deduct	-10.71		
		For >100 To 200, Deduct	-22.93		
		For >200, Deduct	-33.64		
		For Factory Applied White Reflective Surfacing, Add	108.28		
07 52 16 13-0006	SQ	180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	472.41		
		For Up To 10, Add	106.54		
		For >10 To 20, Add	56.29		
		For >20 To 40, Add	29.65		
		For >75 To 100, Deduct	-14.83		
		For >100 To 200, Deduct	-31.16		
		For >200, Deduct	-45.98		
		For Factory Applied White Reflective Surfacing, Add	108.28		
07 52 16 13-0007	SQ	150 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	281.87		
		For Up To 10, Add	68.43		
		For >10 To 20, Add	37.23		
		For >20 To 40, Add	20.12		
		For >75 To 100, Deduct	-10.06		
		For >100 To 200, Deduct	-21.63		
		For >200, Deduct	-31.69		
		For Factory Applied White Reflective Surfacing, Add	108.28		
07 52 16 13-0008	SQ	160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	324.68		
		For Up To 10, Add	77.00		
		For >10 To 20, Add	41.51		
		For >20 To 40, Add	22.26		
		For >75 To 100, Deduct	-11.13		
		For >100 To 200, Deduct	-23.77		
		For >200, Deduct	-34.90		
		For Factory Applied White Reflective Surfacing, Add	108.28		
07 52 16 13-0009	SQ	165 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	338.32		
		For Up To 10, Add	79.90		
		For >10 To 20, Add	43.01		
		For >20 To 40, Add	23.04		
		For >75 To 100, Deduct	-11.52		
		For >100 To 200, Deduct	-24.57		
		For >200, Deduct	-36.08		
		For Factory Applied White Reflective Surfacing, Add	108.28		
07 52 16 13-0010	SQ	180 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	438.24		
		For Up To 10, Add	99.89		
		For >10 To 20, Add	53.00		
		For >20 To 40, Add	28.03		
		For >75 To 100, Deduct	-14.02		
		For >100 To 200, Deduct	-29.56		
		For >200, Deduct	-43.58		
		For Factory Applied White Reflective Surfacing, Add	108.28		
07 52 16 13-0011			Torch-Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing (07 52 16 13-0001)		
07 52 16 13-0012	SF	150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied	4.32		
07 52 16 13-0013	SF	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied	4.29		
		For Factory Applied White Reflective Surfacing, Add	1.08		
07 52 16 13-0014	SF	180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied	5.93		
		For Factory Applied White Reflective Surfacing, Add	1.08		
07 52 16 13-0015	SF	160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied	4.49		
		For Factory Applied White Reflective Surfacing, Add	1.08		
07 52 16 13-0016	SF	165 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied	4.58		
		For Factory Applied White Reflective Surfacing, Add	1.08		

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 52 Modified Bituminous Membrane Roofing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 52 16 13-0017	SF	180 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied.....	5.59
		<i>For Factory Applied White Reflective Surfacing, Add</i>	1.08
07 52 16 13-0018	SF	150 Mil, Aluminum Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied	5.81
07 52 16 13-0019	SF	160 Mil, Copper Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied.....	13.98

07 52 16 14 Mechanically Fastened Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing (07 52 16)

07 52 16 14-0001		Mechanically Fastened Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing (07 52 16 14) Note: Includes fiberglass and/or polyester reinforcement. Includes fasteners.	
07 52 16 14-0002		Mechanically Fastened, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base And Ply Sheets (07 52 16 14-0001)	
07 52 16 14-0003	SQ	35 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Ply Sheet, Mechanically Fastened	188.91
		<i>For Up To 10, Add</i>	41.80
		<i>For >10 To 20, Add</i>	21.90
		<i>For >20 To 40, Add</i>	11.45
		<i>For >75 To 100, Deduct</i>	-5.73
		<i>For >100 To 200, Deduct</i>	-11.96
		<i>For >200, Deduct</i>	-17.68
07 52 16 14-0004	SQ	50 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Mechanically Fastened	145.33
		<i>For Up To 10, Add</i>	33.08
		<i>For >10 To 20, Add</i>	17.55
		<i>For >20 To 40, Add</i>	9.27
		<i>For >75 To 100, Deduct</i>	-4.64
		<i>For >100 To 200, Deduct</i>	-9.78
		<i>For >200, Deduct</i>	-14.41
07 52 16 14-0005	SQ	80 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Mechanically Fastened	188.23
		<i>For Up To 10, Add</i>	41.66
		<i>For >10 To 20, Add</i>	21.84
		<i>For >20 To 40, Add</i>	11.42
		<i>For >75 To 100, Deduct</i>	-5.71
		<i>For >100 To 200, Deduct</i>	-11.92
		<i>For >200, Deduct</i>	-17.63
07 52 16 14-0006	SQ	90 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Mechanically Fastened	235.63
		<i>For Up To 10, Add</i>	51.14
		<i>For >10 To 20, Add</i>	26.58
		<i>For >20 To 40, Add</i>	13.79
		<i>For >75 To 100, Deduct</i>	-6.89
		<i>For >100 To 200, Deduct</i>	-14.29
		<i>For >200, Deduct</i>	-21.19
07 52 16 14-0007	SQ	120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Mechanically Fastened	295.83
		<i>For Up To 10, Add</i>	63.18
		<i>For >10 To 20, Add</i>	32.60
		<i>For >20 To 40, Add</i>	16.80
		<i>For >75 To 100, Deduct</i>	-8.40
		<i>For >100 To 200, Deduct</i>	-17.30
		<i>For >200, Deduct</i>	-25.70
07 52 16 14-0008		Mechanically Fastened, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing (07 52 16 14-0001)	
07 52 16 14-0009	SF	150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Mechanically Fastened	3.72
07 52 16 14-0010	SF	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Mechanically Fastened	3.81

07 52 16 15 Self-Adhering Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing (07 52 16)

07 52 16 15-0001		Self-Adhering Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing (07 52 16 15) Note: Includes fiberglass and/or polyester reinforcement. Includes removing the release film(s) from the membrane and applying the membrane.	
07 52 16 15-0002		Self-Adhering, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets (07 52 16 15-0001)	
07 52 16 15-0003	SQ	60 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Self-Adhering	151.42
		<i>For Up To 10, Add</i>	35.11
		<i>For >10 To 20, Add</i>	18.76
		<i>For >20 To 40, Add</i>	9.98
		<i>For >75 To 100, Deduct</i>	-4.99
		<i>For >100 To 200, Deduct</i>	-10.59
		<i>For >200, Deduct</i>	-15.58
07 52 16 15-0004	SQ	70 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Self-Adhering	160.45
		<i>For Up To 10, Add</i>	36.91
		<i>For >10 To 20, Add</i>	19.66
		<i>For >20 To 40, Add</i>	10.43
		<i>For >75 To 100, Deduct</i>	-5.22
		<i>For >100 To 200, Deduct</i>	-11.04
		<i>For >200, Deduct</i>	-16.25

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 15-0005	SQ	120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Self-Adhering	270.80		
		For Up To 10, Add	59.34		
		For >10 To 20, Add	30.97		
		For >20 To 40, Add	16.13		
		For >75 To 100, Deduct	-8.07		
		For >100 To 200, Deduct	-16.78		
		For >200, Deduct	-24.85		
07 52 16 15-0006	SQ	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Self-Adhering	323.74		
		For Up To 10, Add	69.93		
		For >10 To 20, Add	36.26		
		For >20 To 40, Add	18.78		
		For >75 To 100, Deduct	-9.39		
		For >100 To 200, Deduct	-19.43		
		For >200, Deduct	-28.82		
		For Factory Applied White Reflective Surfacing, Add	108.28		
07 52 16 15-0007	SQ	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Self-Adhering	479.82		
		For Up To 10, Add	101.15		
		For >10 To 20, Add	51.87		
		For >20 To 40, Add	26.58		
		For >75 To 100, Deduct	-13.29		
		For >100 To 200, Deduct	-27.23		
		For >200, Deduct	-40.52		
		For Factory Applied White Reflective Surfacing, Add	108.28		
07 52 16 15-0008		Self-Adhering, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing			
07 52 16 15-0009	SF	70 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Self-Adhering	4.27		
07 52 16 15-0010	SF	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Self-Adhering	4.79		
		For Factory Applied White Reflective Surfacing, Add	1.08		
07 52 16 15-0011	SF	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Self-Adhering	6.35		
		For Factory Applied White Reflective Surfacing, Add	1.08		
07 53		Elastomeric Membrane Roofing			
Note: Includes 10 year warranty. All warranties are no dollar limit to include material, equipment and labor. Excludes concrete primer, insulation, slip sheets, wood nailers, cant strips, coping removal and reinstallation, gravel stop, walkway pads and drainage devices. See CSI section 07 26 13 00-0000 for wood deck building paper.					
07 53 16		Chlorosulfonate-Polyethylene Roofing			
07 53 16 00-0001		Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membranes			
Note: Includes hot air welding or adhesive bonding of seams.					
07 53 16 00-0002	SQ	45 Mil, Single Ply Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membrane, Fully Adhered	593.54		96.47
		Note: Includes adhesive.			
		For Up To 10, Add	157.30		
		For >10 To 20, Add	88.30		
		For >20 To 40, Add	48.97		
		For >75 To 100, Deduct	-24.49		
		For >100 To 200, Deduct	-53.79		
		For >200, Deduct	-78.28		
		For 15 Year Warranty, Add	3.00		
07 53 16 00-0003	SQ	45 Mil, Single Ply Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membrane, Ballasted	444.47		48.24
		Note: Includes ballast.			
		For Up To 10, Add	108.19		
		For >10 To 20, Add	58.92		
		For >20 To 40, Add	31.87		
		For >75 To 100, Deduct	-15.94		
		For >100 To 200, Deduct	-34.28		
		For >200, Deduct	-50.22		
		For 15 Year Warranty, Add	3.00		
07 53 16 00-0004	SQ	45 Mil, Single Ply Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membrane, Mechanically Fastened	476.44		72.35
		Note: Includes fasteners.			
		For Up To 10, Add	124.23		
		For >10 To 20, Add	69.35		
		For >20 To 40, Add	38.29		
		For >75 To 100, Deduct	-19.15		
		For >100 To 200, Deduct	-41.91		
		For >200, Deduct	-61.06		
		For 15 Year Warranty, Add	3.00		
07 53 23		Ethylene-Propylene-Diene-Monomer Roofing			
07 53 23 00-0001		Ethylene Propylene Diene Monomer (EPDM) Roofing Membranes			
Note: Includes splicing of seams using adhesive or seam tape. Black ethylene propylene diene monomer (EPDM).					
07 53 23 00-0002	SQ	45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted	299.64		48.24
		Note: Includes ballast.			
		For Up To 10, Add	79.22		
		For >10 To 20, Add	44.43		
		For >20 To 40, Add	24.63		
		For >75 To 100, Deduct	-12.31		
		For >100 To 200, Deduct	-27.04		
		For >200, Deduct	-39.36		
		For 15 Year Warranty, Add	3.00		
		For Low Slope Fire Rated, Add	8.70		
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	27.46		

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 53 Elastomeric Membrane Roofing**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 53 23 00-0003	SQ	60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted	383.84	51.25
		Note: Includes ballast.		
		For Up To 10, Add	97.27	
		For >10 To 20, Add	53.76	
		For >20 To 40, Add	29.44	
		For >75 To 100, Deduct	-14.72	
		For >100 To 200, Deduct	-32.00	
		For >200, Deduct	-46.73	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	7.00	
		For 25 Year Warranty, Add	9.00	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	8.70	
		For Integral Polyester Fleece-Backing, Add	27.46	
07 53 23 00-0004	SQ	90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted	512.90	54.26
		Note: Includes ballast.		
		For Up To 10, Add	124.29	
		For >10 To 20, Add	67.57	
		For >20 To 40, Add	36.50	
		For >75 To 100, Deduct	-18.25	
		For >100 To 200, Deduct	-39.21	
		For >200, Deduct	-57.46	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	7.00	
		For 25 Year Warranty, Add	9.00	
		For Low Slope Fire Rated, Add	8.70	
07 53 23 00-0005	SQ	45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Partially Adhered (40%)	358.49	72.35
		Note: Includes adhesive and fasteners.		
		For Up To 10, Add	100.64	
		For >10 To 20, Add	57.56	
		For >20 To 40, Add	32.40	
		For >75 To 100, Deduct	-16.20	
		For >100 To 200, Deduct	-36.01	
		For >200, Deduct	-52.21	
		For 15 Year Warranty, Add	3.00	
		For Low Slope Fire Rated, Add	8.70	
		For Low VOC Adhesive, Add	32.53	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	27.46	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	83.02	
		For Integral Polyester Fleece-Backing, Add	117.37	
07 53 23 00-0006	SQ	60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Partially Adhered (40%)	442.68	75.37
		Note: Includes adhesive and fasteners.		
		For Up To 10, Add	118.68	
		For >10 To 20, Add	66.88	
		For >20 To 40, Add	37.21	
		For >75 To 100, Deduct	-18.60	
		For >100 To 200, Deduct	-40.98	
		For >200, Deduct	-59.58	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	7.00	
		For 25 Year Warranty, Add	9.00	
		For Low Slope Fire Rated, Add	8.70	
		For Low VOC Adhesive, Add	32.53	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	27.46	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	83.02	
		For Integral Polyester Fleece-Backing, Add	130.13	
07 53 23 00-0007	SQ	90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Partially Adhered (40%)	571.74	78.38
		Note: Includes adhesive and fasteners.		
		For Up To 10, Add	145.70	
		For >10 To 20, Add	80.69	
		For >20 To 40, Add	44.26	
		For >75 To 100, Deduct	-22.13	
		For >100 To 200, Deduct	-48.18	
		For >200, Deduct	-70.32	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	7.00	
		For 25 Year Warranty, Add	9.00	
		For Low Slope Fire Rated, Add	8.70	
		For Low VOC Adhesive, Add	32.53	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	83.02	
		For Integral Polyester Fleece-Backing, Add	144.05	
07 53 23 00-0008	SQ	45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered	472.50	96.47
		Note: Includes adhesive and fasteners.		
		For Up To 10, Add	133.09	
		For >10 To 20, Add	76.19	
		For >20 To 40, Add	42.92	
		For >75 To 100, Deduct	-21.46	
		For >100 To 200, Deduct	-47.74	
		For >200, Deduct	-69.20	
		For 15 Year Warranty, Add	3.00	
		For Low Slope Fire Rated, Add	8.70	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	27.46	
		For Low VOC Adhesive, Add	81.31	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	83.02	
		For Integral Polyester Fleece-Backing, Add	117.37	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 53 23 00-0009	SQ		60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered.....	556.70	99.48
			Note: Includes adhesive and fasteners.		
			For Up To 10, Add	151.13	
			For >10 To 20, Add	85.52	
			For >20 To 40, Add	47.73	
			For >75 To 100, Deduct	-23.87	
			For >100 To 200, Deduct	-52.71	
			For >200, Deduct	-76.57	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Low Slope Fire Rated, Add	8.70	
			For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	27.46	
			For Low VOC Adhesive, Add	81.31	
			For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	83.02	
			For Integral Polyester Fleece-Backing, Add	130.13	
07 53 23 00-0010	SQ		90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered.....	685.77	102.50
			Note: Includes adhesive and fasteners.		
			For Up To 10, Add	178.16	
			For >10 To 20, Add	99.33	
			For >20 To 40, Add	54.79	
			For >75 To 100, Deduct	-27.39	
			For >100 To 200, Deduct	-59.91	
			For >200, Deduct	-87.31	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Low Slope Fire Rated, Add	8.70	
			For Low VOC Adhesive, Add	81.31	
			For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	83.02	
			For Integral Polyester Fleece-Backing, Add	144.05	
07 53 23 00-0011	SQ		45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened	331.37	72.35
			Note: Includes fasteners.		
			For Up To 10, Add	95.22	
			For >10 To 20, Add	54.84	
			For >20 To 40, Add	31.04	
			For >75 To 100, Deduct	-15.52	
			For >100 To 200, Deduct	-34.66	
			For >200, Deduct	-50.18	
			For 15 Year Warranty, Add	3.00	
			For Low Slope Fire Rated, Add	8.70	
			For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	27.46	
			For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	83.02	
07 53 23 00-0012	SQ		60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened	415.56	75.37
			Note: Includes fasteners.		
			For Up To 10, Add	113.26	
			For >10 To 20, Add	64.17	
			For >20 To 40, Add	35.85	
			For >75 To 100, Deduct	-17.93	
			For >100 To 200, Deduct	-39.62	
			For >200, Deduct	-57.54	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Low Slope Fire Rated, Add	8.70	
			For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	27.46	
			For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	83.02	
07 53 23 00-0013	SQ		90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened	544.63	78.38
			Note: Includes fasteners.		
			For Up To 10, Add	140.28	
			For >10 To 20, Add	77.98	
			For >20 To 40, Add	42.91	
			For >75 To 100, Deduct	-21.45	
			For >100 To 200, Deduct	-46.83	
			For >200, Deduct	-68.28	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Low Slope Fire Rated, Add	8.70	
			For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	83.02	
07 53 23 00-0014			Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane Accessories (07 53 23)		
07 53 23 00-0015	SQ		Acrylic, Ethylene Propylene Diene Monomer (EPDM) Roofing Primer, Price Per Coat	75.02	
			For Up To 10, Add	19.83	
			For >10 To 20, Add	11.12	
			For >20 To 40, Add	6.16	
			For >75 To 100, Deduct	-3.08	
			For >100 To 200, Deduct	-6.77	
			For >200, Deduct	-9.85	
07 53 23 00-0016	SQ		Acrylic Elastomeric, Surface Or Base Coating For Ethylene Propylene Diene Monomer (EPDM) Roofing, Price Per Coat	77.56	
			Note: 55% solids by volume.		
			For Up To 10, Add	20.34	
			For >10 To 20, Add	11.37	
			For >20 To 40, Add	6.29	
			For >75 To 100, Deduct	-3.15	
			For >100 To 200, Deduct	-6.89	
			For >200, Deduct	-10.04	

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 53 Elastomeric Membrane Roofing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 53 23 00-0017	EA	Up To 4" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot.....	47.63	11.46
		Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 53 23 00-0018	EA	>4" To 8" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot.....	67.72	11.46
		Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 53 23 00-0019	EA	>8" To 13" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot.....	125.68	11.46
		Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 53 23 00-0020	EA	6" Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Penetration Pocket.....	166.45	12.66
		Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.		
07 53 23 00-0021	LF	30" Wide, Ethylene Propylene Diene Monomer (EPDM) Walkway Protection Pad.....	36.85	6.99
		Note: Includes factory installed peel and stick adhesive tape.		
07 53 23 00-0022	SF	Ethylene Propylene Diene Monomer (EPDM) Membrane Base Flashing.....	7.04	1.81
07 53 23 00-0023	SF	Ethylene Propylene Diene Monomer (EPDM) Membrane Curb Flashing	8.85	2.71

07 53 29 Polyisobutylene Roofing (07 53)**07 53 29 00-0001 Polyisobutylene (PIB) Roofing Membranes** (07 53 29)

Note: Includes integral polyester fleece-backing. Includes splicing of seams using adhesive or seam tape.

07 53 29 00-0002	SQ	100 Mil, Single Ply PIB Roofing Membrane, Ballasted	542.13	54.26
		Note: Includes ballast.		
		For Up To 10, Add	130.13	
		For >10 To 20, Add	70.49	
		For >20 To 40, Add	37.96	
		For >75 To 100, Deduct	-18.98	
		For >100 To 200, Deduct	-40.67	
		For >200, Deduct	-59.65	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	7.00	
		For 25 Year Warranty, Add	9.00	
07 53 29 00-0003	SQ	100 Mil, Single Ply PIB Roofing Membrane, Partially Adhered (40%)	607.11	78.38
		Note: Includes adhesive.		
		For Up To 10, Add	152.78	
		For >10 To 20, Add	84.23	
		For >20 To 40, Add	46.03	
		For >75 To 100, Deduct	-23.02	
		For >100 To 200, Deduct	-49.95	
		For >200, Deduct	-72.97	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	7.00	
		For 25 Year Warranty, Add	9.00	
07 53 29 00-0004	SQ	100 Mil, Single Ply PIB Roofing Membrane, Fully Adhered	730.35	102.50
		Note: Includes adhesive.		
		For Up To 10, Add	187.07	
		For >10 To 20, Add	103.79	
		For >20 To 40, Add	57.02	
		For >75 To 100, Deduct	-28.51	
		For >100 To 200, Deduct	-62.14	
		For >200, Deduct	-90.65	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	7.00	
		For 25 Year Warranty, Add	9.00	

07 54 Thermoplastic Membrane Roofing (07 50)

Note: Includes 10 year warranty. All warranties are no dollar limit to include material, equipment and labor. Excludes concrete primer, insulation, slip sheets, wood nailers, cant strips, coping removal and reinstallation, gravel stop, walkway pads and drainage devices. See CSI section 07 26 13 00-0000 for wood deck building paper.

07 54 19 Polyvinyl-Chloride Roofing (07 54)**07 54 19 00-0001 Reinforced Polyvinyl Chloride (RPVC) Roofing Membranes (Sika Sarnafil® EnergySmart Roof® Membranes)** (07 54 19)**07 54 19 00-0002 Reinforced Polyvinyl Chloride (RPVC) Roofing Membranes (Sika Sarnafil® EnergySmart Roof® Membranes)** (07 54 19 00-0001)

Note: Includes integral fiberglass mat reinforcement and hot air welding of seams. Sarnafil® G410 fully adhered membranes meet or exceed all of the requirements of ASTM D4434 Type II. Sarnafil® S327 mechanically attached membranes meet or exceed all of the requirements of ASTM D4434 Type III.

07 54 19 00-0003	SQ	48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane (Sika Sarnafil® EnergySmart Roof® Membranes), Fully Adhered	432.84	96.47
		Note: Includes adhesive.		
		For Up To 10, Add	125.16	
		For >10 To 20, Add	72.23	
		For >20 To 40, Add	40.94	
		For >75 To 100, Deduct	-20.47	
		For >100 To 200, Deduct	-45.76	
		For >200, Deduct	-66.23	
		For 15 Year Warranty, Add	2.62	
		For 20 Year Warranty, Add	9.15	
		For 25 Year Warranty, Add	17.00	
		For Integral Felt Backing, Add	45.76	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 19 00-0004	SQ		60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane (Sika Sarnafil® EnergySmart Roof® Membranes), Fully Adhered	462.48	99.48
			Note: Includes adhesive.		
			For Up To 10, Add	132.29	
			For >10 To 20, Add	76.09	
			For >20 To 40, Add	43.02	
			For >75 To 100, Deduct	-21.51	
			For >100 To 200, Deduct	-48.00	
			For >200, Deduct	-69.51	
			For 15 Year Warranty, Add	2.62	
			For 20 Year Warranty, Add	9.15	
			For 25 Year Warranty, Add	17.00	
			For Integral Felt Backing, Add	45.76	
07 54 19 00-0005	SQ		72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane (Sika Sarnafil® EnergySmart Roof® Membranes), Fully Adhered	490.59	100.99
			Note: Includes adhesive.		
			For Up To 10, Add	138.51	
			For >10 To 20, Add	79.36	
			For >20 To 40, Add	44.73	
			For >75 To 100, Deduct	-22.36	
			For >100 To 200, Deduct	-49.78	
			For >200, Deduct	-72.14	
			For 15 Year Warranty, Add	2.62	
			For 20 Year Warranty, Add	9.15	
			For 25 Year Warranty, Add	17.00	
			For Integral Felt Backing, Add	45.76	
07 54 19 00-0006	SQ		80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane (Sika Sarnafil® EnergySmart Roof® Membranes), Fully Adhered	520.19	102.50
			Note: Includes adhesive.		
			For Up To 10, Add	145.04	
			For >10 To 20, Add	82.77	
			For >20 To 40, Add	46.51	
			For >75 To 100, Deduct	-23.26	
			For >100 To 200, Deduct	-51.64	
			For >200, Deduct	-74.89	
			For 15 Year Warranty, Add	2.62	
			For 20 Year Warranty, Add	9.15	
			For 25 Year Warranty, Add	17.00	
			For Integral Felt Backing, Add	45.76	
07 54 19 00-0007	SQ		48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane (Sika Sarnafil® EnergySmart Roof® Membranes), Mechanically Fastened	346.91	72.35
			Note: Includes fasteners and plates for mechanically fastening to wood or steel decks.		
			For Up To 10, Add	98.32	
			For >10 To 20, Add	56.40	
			For >20 To 40, Add	31.82	
			For >75 To 100, Deduct	-15.91	
			For >100 To 200, Deduct	-35.43	
			For >200, Deduct	-51.34	
			For 15 Year Warranty, Add	2.62	
			For 20 Year Warranty, Add	9.15	
			For 25 Year Warranty, Add	17.00	
			For Mechanically Fastened To Concrete Decks, Add	36.18	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	37.50	
			For Integral Felt Backing, Add	45.76	
			For Mechanically Fastened With Sarnabar, Add	26.88	
07 54 19 00-0008	SQ		60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane (Sika Sarnafil® EnergySmart Roof® Membranes), Mechanically Fastened	376.55	75.37
			Note: Includes fasteners and plates for mechanically fastening to wood or steel decks.		
			For Up To 10, Add	105.46	
			For >10 To 20, Add	60.26	
			For >20 To 40, Add	33.90	
			For >75 To 100, Deduct	-16.95	
			For >100 To 200, Deduct	-37.67	
			For >200, Deduct	-54.62	
			For 15 Year Warranty, Add	2.62	
			For 20 Year Warranty, Add	9.15	
			For 25 Year Warranty, Add	17.00	
			For Mechanically Fastened To Concrete Decks, Add	37.68	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	39.00	
			For Integral Felt Backing, Add	45.76	
			For Mechanically Fastened With Sarnabar, Add	26.88	
07 54 19 00-0009	SQ		72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane (Sika Sarnafil® EnergySmart Roof® Membranes), Mechanically Fastened	404.67	76.87
			Note: Includes fasteners and plates for mechanically fastening to wood or steel decks.		
			For Up To 10, Add	111.68	
			For >10 To 20, Add	63.53	
			For >20 To 40, Add	35.61	
			For >75 To 100, Deduct	-17.80	
			For >100 To 200, Deduct	-39.45	
			For >200, Deduct	-57.26	
			For 15 Year Warranty, Add	2.62	
			For 20 Year Warranty, Add	9.15	
			For 25 Year Warranty, Add	17.00	
			For Mechanically Fastened To Concrete Decks, Add	38.44	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	39.76	
			For Integral Felt Backing, Add	45.76	
			For Mechanically Fastened With Sarnabar, Add	26.88	

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 54 Thermoplastic Membrane Roofing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 54 19 00-0010	SQ	80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane (Sika Sarnafil® EnergySmart Roof® Membranes), Mechanically Fastened.....	434.25	78.38
		Note: Includes fasteners and plates for mechanically fastening to wood or steel decks.		
		For Up To 10, Add	118.20	
		For >10 To 20, Add	66.94	
		For >20 To 40, Add	37.39	
		For >75 To 100, Deduct	-18.69	
		For >100 To 200, Deduct	-41.31	
		For >200, Deduct	-60.00	
		For 15 Year Warranty, Add	2.62	
		For 20 Year Warranty, Add	9.15	
		For 25 Year Warranty, Add	17.00	
		For Mechanically Fastened To Concrete Decks, Add	39.19	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	40.51	
		For Integral Felt Backing, Add	45.76	
		For Mechanically Fastened With Sarnabar, Add	26.88	

07 54 19 00-0011 Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane Accessories (Sika Sarnafil® EnergySmart Roof® Membranes)

07 54 19 00-0012	LF	3/4" Wide Multi-Purpose Tape (Sika Sarnafil®).....	1.05	
07 54 19 00-0013	LF	Roofing Membrane Aluminum Termination Bar (Sika Sarnafil® Sarnastop).....	4.97	1.74
		Note: Includes fasteners and caulking.		
07 54 19 00-0014	EA	4-1/2" Diameter, Polyvinyl Chloride (PVC) Membrane Prefabricated Patch (Sika Sarnafil® Sarnacircles).....	4.97	1.51
07 54 19 00-0015	LF	8" Polyvinyl Chloride (PVC) Membrane Cover Strip (Sika Sarnafil® Coverstrip).....	5.36	1.51
		Note: Includes aluminum tape.		
07 54 19 00-0016	LF	12" Polyvinyl Chloride (PVC) Membrane Cover Strip (Sika Sarnafil® Coverstrip).....	5.36	1.51
		Note: Includes aluminum tape.		
07 54 19 00-0017	LF	Surface Mount Vertical Termination Bar (Sika Sarnafil® Sarnareglet).....	7.16	1.94
		Note: Includes fasteners, splice plates and caulking.		
07 54 19 00-0018	SF	Polyvinyl Chloride (PVC) Membrane Flashing (Sika Sarnafil® G459).....	7.34	1.81
07 54 19 00-0019	SF	Polyvinyl Chloride (PVC) Membrane Flashing (Sika Sarnafil® Detail Membrane).....	9.14	2.71
07 54 19 00-0020	SF	Polyvinyl Chloride (PVC) Clad Edge Metal Or Base Flashing (Sika Sarnafil® Sarnaclad).....	10.16	1.81
		Note: 20 Mil white polyvinyl chloride (PVC) membrane laminated to 24 gauge galvanized steel.		
		For Colored PVC, Add	0.95	
07 54 19 00-0021	LF	39" Wide, 96 Mil, Polyester Reinforced, Polyvinyl Chloride (PVC) Walkway Protection Pad (Sika Sarnafil® Sarnatred -V).....	28.53	6.99
07 54 19 00-0022	EA	Up To 3" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot (Sika Sarnafil® Sarnastack).....	71.67	10.25
		Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 19 00-0023	EA	>3" To 5" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot (Sika Sarnafil® Sarnastack).....	74.08	11.46
		Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 19 00-0024	EA	>5" To 7" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot (Sika Sarnafil® Sarnastack).....	76.50	12.66
		Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 19 00-0025	EA	6" Diameter, Seamless Heavy-Duty Aluminum Roof Drain (Sika Sarnafil® Sarnadrain With U-Flow®).....	1,085.04	228.84
07 54 19 00-0026	EA	Inside Corner, Prefabricated Polyvinyl Chloride (PVC) Membrane Flashing (Sika Sarnafil® Sarnacorners - Inside).....	21.96	
07 54 19 00-0027	EA	Outside Corner, Prefabricated Polyvinyl Chloride (PVC) Membrane Flashing (Sika Sarnafil® Sarnacorners - Outside).....	21.96	
07 54 19 00-0028	SQ	9 OZ/SY, Protective Polypropylene Fabric Separation Layer (Sika Sarnafil® Sarnafelt NWP), Loose Laid.....	49.30	
07 54 19 00-0029	SQ	11 OZ/SY, Protective Polypropylene Fabric Separation Layer (Sika Sarnafil® Sarnafelt), Loose Laid.....	75.05	
07 54 19 00-0030	SQ	10 Mil, Low Density Polyethylene, Vapor/Air Barrier Sheet (Sika Sarnafil® Sarnavap - 10), Loose Laid.....	43.47	
07 54 19 00-0031	SQ	32 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Vapor/Air Barrier Sheet (Sika Sarnafil® Sarnavap Self-Adhered), Self-Adhering.....	118.86	

07 54 19 00-0032 Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane Accessories

07 54 19 00-0033	SQ	Acrylic, Polyvinyl Chloride (PVC) Roofing Cleaner/Primer, Price Per Coat.....	75.02	
		For Up To 10, Add	19.83	
		For >10 To 20, Add	11.12	
		For >20 To 40, Add	6.16	
		For >75 To 100, Deduct	-3.08	
		For >100 To 200, Deduct	-6.77	
		For >200, Deduct	-9.85	
07 54 19 00-0034	SQ	Acrylic Elastomeric, Surface Or Base Coating For Polyvinyl Chloride (PVC) Roofing, Price Per Coat.....	77.56	
		Note: 55% solids by volume.		
		For Up To 10, Add	20.34	
		For >10 To 20, Add	11.37	
		For >20 To 40, Add	6.29	
		For >75 To 100, Deduct	-3.15	
		For >100 To 200, Deduct	-6.89	
		For >200, Deduct	-10.04	
07 54 19 00-0035	EA	Up To 3" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot.....	78.12	10.25
		Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 19 00-0036	EA	>3" To 7" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot.....	109.39	11.46
		Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 19 00-0037	EA	>7" To 12" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot.....	139.74	12.66
		Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 19 00-0038	EA	6" Diameter, Prefabricated Polyvinyl Chloride (PVC) Penetration Pocket.....	177.46	12.66
		Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.		
07 54 19 00-0039	LF	36" Wide, Polyvinyl Chloride (PVC) Walkway Protection Pad.....	31.67	6.99
07 54 19 00-0040	SF	Polyvinyl Chloride (PVC) Membrane Base Flashing.....	8.35	1.81
07 54 19 00-0041	SF	Polyvinyl Chloride (PVC) Membrane Curb Flashing.....	10.16	2.71
07 54 19 00-0042	SF	Polyvinyl Chloride (PVC) Clad Edge Metal Or Base Flashing.....	11.23	1.81
		Note: 20 Mil polyvinyl chloride (PVC) membrane laminated to 24 gauge galvanized steel.		

07 54 19 00-0043 Snap-On Cover Fascia (Sika Sarnafil® Edge Grip)

MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 19 00-0044	Aluminum Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip) (07 54 19 00-0043)		
07 54 19 00-0045	Mill Finish, Aluminum Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip) (07 54 19 00-0044)		
07 54 19 00-0046	Mill Finish, Aluminum Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip) (07 54 19 00-0045)		
07 54 19 00-0047	LF 8.25" Face Height, Mill Finish, Aluminum Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip)	17.76	3.48
07 54 19 00-0048	Accessories For Mill Finish, Aluminum Snap-On Cover Fascia Systems (07 54 19 00-0045)		
07 54 19 00-0049	EA Fascia Overflow Scupper For 8.25" Face Height, Mill Finish, Aluminum Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip)	105.16	12.90
07 54 19 00-0050	EA Fascia Spillout Scupper For 8.25" Face Height, Mill Finish, Aluminum Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip)	105.16	12.90
07 54 19 00-0051	EA Fascia Downspout Scupper For 8.25" Face Height, Mill Finish, Aluminum Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip)	126.75	12.90
07 54 19 00-0052	EA Inside/Outside Miter For 8.25" Face Height, Mill Finish, Aluminum Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip)	47.04	3.48
07 54 19 00-0053	KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip) (07 54 19 00-0044)		
07 54 19 00-0054	KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip) (07 54 19 00-0053)		
07 54 19 00-0055	LF 8.25" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip)	20.26	3.48
07 54 19 00-0056	Accessories For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems (07 54 19 00-0053)		
07 54 19 00-0057	EA Fascia Overflow Scupper For 8.25" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip)	110.15	12.90
07 54 19 00-0058	EA Fascia Spillout Scupper For 8.25" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip)	110.15	12.90
07 54 19 00-0059	EA Fascia Downspout Scupper For 8.25" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip)	136.72	12.90
07 54 19 00-0060	EA Inside/Outside Miter For 8.25" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip)	52.03	3.48
07 54 19 00-0061	Galvanized Steel Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip) (07 54 19 00-0043)		
07 54 19 00-0062	KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip) (07 54 19 00-0061)		
07 54 19 00-0063	KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip) (07 54 19 00-0062)		
07 54 19 00-0064	LF 8.25" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip)	18.34	3.48
07 54 19 00-0065	Accessories For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip) (07 54 19 00-0062)		
07 54 19 00-0066	EA Fascia Overflow Scupper For 8.25" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip)	106.32	12.90
07 54 19 00-0067	EA Fascia Spillout Scupper For 8.25" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip)	106.32	12.90
07 54 19 00-0068	EA Fascia Downspout Scupper For 8.25" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip)	129.06	12.90
07 54 19 00-0069	EA Inside/Outside Miter For 8.25" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip)	48.19	3.48
07 54 19 00-0070	Reinforced Polyvinyl Chloride (RPVC) Roofing Membranes (07 54 19) Note: Includes polyester fabric reinforcement and hot air welding of seams. RPVC membranes meet or exceed all of the requirements of ASTM D4434 Type III.		
07 54 19 00-0071	SQ 48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted	197.67	48.24
	Note: Includes ballast.		
	For Up To 10, Add	58.83	
	For >10 To 20, Add	34.24	
	For >20 To 40, Add	19.53	
	For >75 To 100, Deduct	-9.77	
	For >100 To 200, Deduct	-21.94	
	For >200, Deduct	-31.71	
	For 15 Year Warranty, Add	3.00	
	For Colors, Add	26.00	
	For Integral Polyester Fleece-Backing, Add	22.77	

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 54 Thermoplastic Membrane Roofing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 54 19 00-0072	SQ	60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted	215.61	51.25
		Note: Includes ballast.		
		For Up To 10, Add	63.62	
		For >10 To 20, Add	36.94	
		For >20 To 40, Add	21.03	
		For >75 To 100, Deduct	-10.52	
		For >100 To 200, Deduct	-23.59	
		For >200, Deduct	-34.11	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	7.00	
		For 25 Year Warranty, Add	9.00	
		For Colors, Add	26.00	
		For Integral Polyester Fleece-Backing, Add	22.77	
07 54 19 00-0073	SQ	72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted	233.83	52.76
		Note: Includes ballast.		
		For Up To 10, Add	67.87	
		For >10 To 20, Add	39.21	
		For >20 To 40, Add	22.24	
		For >75 To 100, Deduct	-11.12	
		For >100 To 200, Deduct	-24.88	
		For >200, Deduct	-36.00	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	7.00	
		For 25 Year Warranty, Add	9.00	
		For Colors, Add	26.00	
		For Integral Polyester Fleece-Backing, Add	22.77	
07 54 19 00-0074	SQ	80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted	243.47	54.26
		Note: Includes ballast.		
		For Up To 10, Add	70.40	
		For >10 To 20, Add	40.63	
		For >20 To 40, Add	23.03	
		For >75 To 100, Deduct	-11.51	
		For >100 To 200, Deduct	-25.74	
		For >200, Deduct	-37.25	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	7.00	
		For 25 Year Warranty, Add	9.00	
		For Colors, Add	26.00	
		For Integral Polyester Fleece-Backing, Add	22.77	

07 54 23 Thermoplastic-Polyolefin Roofing (07 54)**07 54 23 00-0001 Thermoplastic Polyolefin (TPO) Roofing Membranes (07 54 23)**

		Note: Includes polyester fabric reinforcement and hot air welding of seams.		
07 54 23 00-0002	SQ	45 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Fully Adhered	462.24	96.47
		Note: Includes adhesive.		
		For Up To 10, Add	131.04	
		For >10 To 20, Add	75.17	
		For >20 To 40, Add	42.41	
		For >75 To 100, Deduct	-21.20	
		For >100 To 200, Deduct	-47.23	
		For >200, Deduct	-68.43	
		For 15 Year Warranty, Add	3.00	
		For Low VOC Adhesive, Add	81.31	
		For Integral Polyester Fleece-Backing, Add	33.25	
07 54 23 00-0003	SQ	50 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Fully Adhered	483.40	97.98
		Note: Includes adhesive.		
		For Up To 10, Add	135.87	
		For >10 To 20, Add	77.73	
		For >20 To 40, Add	43.77	
		For >75 To 100, Deduct	-21.88	
		For >100 To 200, Deduct	-48.67	
		For >200, Deduct	-70.55	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	7.00	
		For 25 Year Warranty, Add	9.00	
		For Low VOC Adhesive, Add	81.31	
		For Integral Polyester Fleece-Backing, Add	33.25	
07 54 23 00-0004	SQ	60 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Fully Adhered	494.48	99.48
		Note: Includes adhesive.		
		For Up To 10, Add	138.69	
		For >10 To 20, Add	79.29	
		For >20 To 40, Add	44.62	
		For >75 To 100, Deduct	-22.31	
		For >100 To 200, Deduct	-49.60	
		For >200, Deduct	-71.91	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	7.00	
		For 25 Year Warranty, Add	9.00	
		For Low VOC Adhesive, Add	81.31	
		For Integral Polyester Fleece-Backing, Add	33.25	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 23 00-0005	SQ		80 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Fully Adhered	635.22	102.50
			Note: Includes adhesive.		
			For Up To 10, Add	168.05	
			For >10 To 20, Add	94.27	
			For >20 To 40, Add	52.26	
			For >75 To 100, Deduct	-26.13	
			For >100 To 200, Deduct	-57.39	
			For >200, Deduct	-83.52	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Low VOC Adhesive, Add	81.31	
			For Integral Polyester Fleece-Backing, Add	33.25	
07 54 23 00-0006	SQ		45 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Mechanically Fastened.....	308.94	72.35
			Note: Includes fasteners.		
			For Up To 10, Add	90.73	
			For >10 To 20, Add	52.60	
			For >20 To 40, Add	29.92	
			For >75 To 100, Deduct	-14.96	
			For >100 To 200, Deduct	-33.54	
			For >200, Deduct	-48.49	
			For 15 Year Warranty, Add	3.00	
			For Integral Polyester Fleece-Backing, Add	33.25	
07 54 23 00-0007	SQ		50 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Mechanically Fastened.....	330.08	73.86
			Note: Includes fasteners.		
			For Up To 10, Add	95.56	
			For >10 To 20, Add	55.17	
			For >20 To 40, Add	31.28	
			For >75 To 100, Deduct	-15.64	
			For >100 To 200, Deduct	-34.97	
			For >200, Deduct	-50.61	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Integral Polyester Fleece-Backing, Add	33.25	
			For Mechanically Fastened To Concrete Decks, Add	36.93	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	38.25	
07 54 23 00-0008	SQ		60 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Mechanically Fastened.....	341.17	75.37
			Note: Includes fasteners.		
			For Up To 10, Add	98.38	
			For >10 To 20, Add	56.73	
			For >20 To 40, Add	32.13	
			For >75 To 100, Deduct	-16.07	
			For >100 To 200, Deduct	-35.90	
			For >200, Deduct	-51.97	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Integral Polyester Fleece-Backing, Add	33.25	
07 54 23 00-0009	SQ		80 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Mechanically Fastened.....	481.91	78.38
			Note: Includes fasteners.		
			For Up To 10, Add	127.74	
			For >10 To 20, Add	71.71	
			For >20 To 40, Add	39.77	
			For >75 To 100, Deduct	-19.89	
			For >100 To 200, Deduct	-43.69	
			For >200, Deduct	-63.58	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Integral Polyester Fleece-Backing, Add	33.25	
07 54 23 00-0010			Thermoplastic Polyolefin (TPO) Roofing Membrane Accessories (07 54 23)		
07 54 23 00-0011	SQ		Acrylic, Thermoplastic Polyolefin (TPO) Roofing Primer, Price Per Coat	89.02	
			For Up To 10, Add	22.63	
			For >10 To 20, Add	12.52	
			For >20 To 40, Add	6.86	
			For >75 To 100, Deduct	-3.43	
			For >100 To 200, Deduct	-7.47	
			For >200, Deduct	-10.90	
07 54 23 00-0012	SQ		Acrylic Elastomeric, Surface Or Base Coating For Thermoplastic Polyolefin (TPO) Roofing, Price Per Coat	77.56	
			Note: 55% solids by volume.		
			For Up To 10, Add	20.34	
			For >10 To 20, Add	11.37	
			For >20 To 40, Add	6.29	
			For >75 To 100, Deduct	-3.15	
			For >100 To 200, Deduct	-6.89	
			For >200, Deduct	-10.04	
			For Tan Or Gray Color, Add	2.67	
07 54 23 00-0013	EA		Up To 3" Pipe Diameter, Prefabricated Thermoplastic Polyolefin (TPO) Pipe Cone/Boot	67.42	10.25
			Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 23 00-0014	EA		>3" To 8" Pipe Diameter, Prefabricated Thermoplastic Polyolefin (TPO) Pipe Cone/Boot	72.81	11.46
			Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 23 00-0015	EA		6" Diameter, Prefabricated Thermoplastic Polyolefin (TPO) Penetration Pocket.....	132.93	12.66
			Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.		
07 54 23 00-0016	LF		30" Wide, Thermoplastic Polyolefin (TPO) Walkway Protection Pad	31.28	6.99
07 54 23 00-0017	SF		Thermoplastic Polyolefin (TPO) Membrane Base Flashing	8.72	1.81
07 54 23 00-0018	SF		Thermoplastic Polyolefin (TPO) Curb Flashing.....	7.63	1.81
			For Tan Or Gray Color, Add	0.11	

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 54 Thermoplastic Membrane Roofing**
 MINOR
CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 54 23 00-0019	SF	Thermoplastic Polyolefin (TPO) Clad Edge Metal Or Base Flashing.....	12.70	1.81
Note: 20 Mil TPO membrane laminated to 24 gauge galvanized steel.				

07 55 Protected Membrane Roofing (07 50)**07 55 52 Modified Bituminous Protected Membrane Roofing** (07 55)**07 55 52 13 Atactic-Polypropylene Modified Bituminous Protected Membrane Roofing** (07 55 52)

See CSI section 07 22 16 00-0000 for roof board insulation, 07 51 13 00-0039 for gravel roof ballast, 07 52 13 00-0000 for atactic-polypropylene modified bituminous membrane roofing.

07 55 52 16 Styrene-Butadiene-Styrene Modified Bituminous Protected Membrane Roofing (07 55 52)

See CSI section 07 22 16 00-0000 for roof board insulation, 07 51 13 00-0039 for gravel roof ballast, 07 52 16 00-0000 for styrene-butadiene-styrene modified bituminous membrane roofing.

07 56 Fluid-Applied Roofing (07 50)**07 56 00 00-0001 Neoprene Hypalon Liquid Roofing, 5 Coats** (07 56)

07 56 00 00-0002	SQ	60 Mil 5 Coat Spray-on Neoprene Hypalon Liquid Roofing.....	1,120.88	161.00
For Each Additional Coat, Add			168.13	

07 56 00 00-0003 Vinyl Spray Liquid Roofing (07 56)

07 56 00 00-0004	SQ	2 Mil Vinyl Liquid Roofing.....	1,311.87	169.67
07 56 00 00-0005	SQ	4 Mil Vinyl Liquid Roofing.....	1,467.99	189.49

07 56 00 00-0006 Silicone Elastomeric Liquid Roofing (07 56)

07 56 00 00-0007	SQ	65% Solids, Silicone Elastomeric Spray-on Roofing, 3 Coats, 16 Mil Per Coat.....	469.07	97.22
07 56 00 00-0008	SQ	65% Solids, Silicone Elastomeric Rolled-on Roofing, 3 Coats, 16 Mil Per Coat.....	563.31	97.22
07 56 00 00-0009	SQ	65% Solids, Silicone Elastomeric Brushed-on Roofing, 3 Coats, 16 Mil Per Coat.....	634.17	97.22

07 56 00 00-0010 Elastomeric Asphalt/Urethane Liquid Roofing Membrane (07 56)

07 56 00 00-0011	SQ	90 Mil, Elastomeric Asphalt/Urethane Liquid Roofing Membrane.....	1,922.68	97.22
Note: Includes applying a 30 mil base coat, rolling in a stitchbonded polyester reinforcing scrim and applying a 60 mil second coat.				

07 56 00 00-0012 Urethane Liquid Roofing Membrane (07 56)

Note: Garland White Knight Energy Star single component urethane restoration system. 10 year warranty. Used for restoration of membrane, built up, metal and modified roofing systems.

07 56 00 00-0013	SQ	Ulti-Mat™ 38" Non-Woven Fiberglass Reinforcing Membrane For White-Knight Systems.....	101.20	
07 56 00 00-0014	LF	Ulti-Mat™ 6" Non-Woven Fiberglass Reinforcing Membrane For White-Knight Systems.....	5.72	
07 56 00 00-0015	SQ	White-Knight® Premium Multi-Purpose Urethane Restoration Reflective Coating For Metal, Membrane, BUR, Single-Ply (2 GAL/SQ).....	385.89	
07 56 00 00-0016	SQ	White-Knight® Metal Primer One Component Metal Primer For Placement Under The White-Knight System.....	99.87	
07 56 00 00-0017	SQ	White-Knight® Plus High Strength, Multi-Purpose Urethane Restoration Coating For Metal, Membrane, BUR, Single-Ply.....	950.46	
07 56 00 00-0018	SQ	White-Knight® Plus Base Coat High Strength, Multi-Purpose Urethane Restoration Coating For Metal, Membrane, BUR, Single-Ply.....	1,436.06	
07 56 00 00-0019	SQ	White-Knight® Plus WC High Strength, Multi-Purpose, VOC Compliant, Urethane Restoration Coating For Metal, Membrane, BUR, Single-Ply.....	983.26	
07 56 00 00-0020	SQ	White-Star Premium, White Polyurea Restoration Adhesive For Mineral And Smooth Modified And BUR (2 GAL/SQ).....	254.45	

07 57 Coated Foamed Roofing (07 50)**07 57 13 Sprayed Polyurethane Foam Roofing** (07 57)

Note: Includes power washing. Excludes ballast removal and priming metal surfaces. Excludes walkways.

07 57 13 00-0001 Sprayed Polyurethane Foam Roofing Systems (07 57 13)**07 57 13 00-0002 Sprayed Polyurethane Foam Roofing Systems With Acrylic Elastomeric Coating** (07 57 13 00-0001)**07 57 13 00-0003 Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating** (07 57 13 00-0002)

Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with acrylic elastomeric coating. Includes 5 year warranty.

07 57 13 00-0004	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	396.54	60.20
07 57 13 00-0005	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	475.09	64.51
07 57 13 00-0006	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	553.63	68.81
07 57 13 00-0007	SQ	2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	639.94	73.11
07 57 13 00-0008	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	726.26	77.41
07 57 13 00-0009	SQ	3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	797.02	81.70
07 57 13 00-0010	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	867.80	86.01

MINOR		CSI UOM DESCRIPTION		TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
07 57 13 00-0011	SQ	4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	946.34	90.31	
07 57 13 00-0012	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	1,024.87	94.61	
07 57 13 00-0013	SQ	5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	1,103.42	98.92	
07 57 13 00-0014	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	1,181.96	103.20	
07 57 13 00-0015		Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating (07 57 13 00-0002) Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with acrylic elastomeric coating. Includes 10 year warranty.			
07 57 13 00-0016	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	408.64	60.20	
07 57 13 00-0017	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	487.18	64.51	
07 57 13 00-0018	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	565.72	68.81	
07 57 13 00-0019	SQ	2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	644.26	73.11	
07 57 13 00-0020	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	722.80	77.41	
07 57 13 00-0021	SQ	3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	801.34	81.70	
07 57 13 00-0022	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	879.89	86.01	
07 57 13 00-0023	SQ	4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	958.44	90.31	
07 57 13 00-0024	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	1,036.97	94.61	
07 57 13 00-0025	SQ	5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	1,115.51	98.92	
07 57 13 00-0026	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	1,194.05	103.20	
07 57 13 00-0027		Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating (07 57 13 00-0002) Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with acrylic elastomeric coating. Includes 15 year warranty.			
07 57 13 00-0028	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	438.00	60.20	
07 57 13 00-0029	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	513.95	64.51	
07 57 13 00-0030	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	589.90	68.81	
07 57 13 00-0031	SQ	2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	668.44	73.11	
07 57 13 00-0032	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	746.99	77.41	
07 57 13 00-0033	SQ	3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	857.83	81.70	
07 57 13 00-0034	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	968.68	86.01	
07 57 13 00-0035	SQ	4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	1,053.79	90.31	
07 57 13 00-0036	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	1,138.88	94.61	
07 57 13 00-0037	SQ	5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	1,223.99	98.92	
07 57 13 00-0038	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	1,309.09	103.20	
07 57 13 00-0039		Sprayed Polyurethane Foam Roofing Systems With Silicone Elastomeric Coating (07 57 13 00-0001)			
07 57 13 00-0040		Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating (07 57 13 00-0039) Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 5 year warranty.			
07 57 13 00-0041	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	446.64	60.20	
07 57 13 00-0042	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	531.74	64.51	
07 57 13 00-0043	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	616.85	68.81	
07 57 13 00-0044	SQ	2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	701.96	73.11	
07 57 13 00-0045	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	787.06	77.41	
07 57 13 00-0046	SQ	3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	872.17	81.70	
07 57 13 00-0047	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	957.28	86.01	

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 57 Coated Foamed Roofing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT
 UNIT COST
 DEMOLITION
 UNIT COST

07 57 13 00-0048	SQ	4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating.....	1,042.39	90.31
07 57 13 00-0049	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating.....	1,127.48	94.61
07 57 13 00-0050	SQ	5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating.....	1,212.59	98.92
07 57 13 00-0051	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating.....	1,297.69	103.20

07 57 13 00-0052 Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating

(07 57 13 00-0039)

Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 10 year warranty.

07 57 13 00-0053	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating.....	463.74	60.20
07 57 13 00-0054	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating.....	548.85	64.51
07 57 13 00-0055	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating.....	633.95	68.81
07 57 13 00-0056	SQ	2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating.....	719.06	73.11
07 57 13 00-0057	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating.....	804.16	77.41
07 57 13 00-0058	SQ	3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating.....	889.27	81.70
07 57 13 00-0059	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating.....	974.38	86.01
07 57 13 00-0060	SQ	4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating.....	1,059.49	90.31
07 57 13 00-0061	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating.....	1,144.58	94.61
07 57 13 00-0062	SQ	5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating.....	1,229.69	98.92
07 57 13 00-0063	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating.....	1,314.79	103.20

07 57 13 00-0064 Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating

(07 57 13 00-0039)

Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 15 year warranty.

07 57 13 00-0065	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	477.04	60.20
07 57 13 00-0066	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	562.15	64.51
07 57 13 00-0067	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	647.25	68.81
07 57 13 00-0068	SQ	2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	732.36	73.11
07 57 13 00-0069	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	817.46	77.41
07 57 13 00-0070	SQ	3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	902.57	81.70
07 57 13 00-0071	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	987.68	86.01
07 57 13 00-0072	SQ	4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	1,072.79	90.31
07 57 13 00-0073	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	1,157.88	94.61
07 57 13 00-0074	SQ	5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	1,242.99	98.92
07 57 13 00-0075	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	1,328.10	103.20

07 58 Roll Roofing

(07 50)

07 58 00 00-0001 Prepared Roll Roofing

(07 58)

Note: Fastened with roofing nails and roofing cement. Includes fasteners and adhesive. Excludes warranty. See

CSI section 07 51 13 00-0033 for underlayment.

07 58 00 00-0002	SQ	Granule Surfaced, 90 Lb., Asphalt Saturated Organic Felt Roll Roofing.....	273.91	38.51
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07 59 Membrane Roofing Termination Bar

(07 50)

07 59 00 00-0001 Membrane Roofing Termination Bar

(07 59)

07 59 00 00-0002	LF	Membrane Roofing Termination Bar.....	5.37	1.74
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Note: Includes fasteners and caulking.

07 60 Flashing and Sheet Metal

(07)

07 61 Sheet Metal Roofing

(07 60)

07 61 13 Standing Seam Sheet Metal Roofing

(07 61)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
07 61 13 00-0001			Standing Seam Concealed Fastener Roofing (07 61 13)		
07 61 13 00-0002			Copper Standing Seam Concealed Fastener Roofing (07 61 13 00-0001)		
07 61 13 00-0003	SF		Architectural 16 Ounce Copper Standing Seam Concealed Fastener Roofing.....	39.00	4.52
			For Steep Roof, Over 6 To 12, Add	2.71	
			For 140 MPH Wind Load, Add	1.50	
			For Panels <16" Wide, Add	3.62	
			For Up To 1,500, Add	9.75	
			For >1,500 To 5,000, Add	5.85	
			For >5,000 To 10,000, Add	0.98	
07 61 13 00-0004	SF		Architectural 18 Ounce Copper Standing Seam Concealed Fastener Roofing.....	42.68	4.90
			For Steep Roof, Over 6 To 12, Add	2.93	
			For 140 MPH Wind Load, Add	1.64	
			For Panels <16" Wide, Add	3.94	
			For Up To 1,500, Add	10.67	
			For >1,500 To 5,000, Add	6.40	
			For >5,000 To 10,000, Add	1.07	
07 61 13 00-0005	SF		Architectural 20 Ounce Copper Standing Seam Concealed Fastener Roofing.....	50.15	5.35
			For Steep Roof, Over 6 To 12, Add	3.20	
			For 140 MPH Wind Load, Add	1.86	
			For Panels <16" Wide, Add	4.48	
			For Up To 1,500, Add	12.54	
			For >1,500 To 5,000, Add	7.52	
			For >5,000 To 10,000, Add	1.25	
07 61 13 00-0006			Zinc/Copper Standing Seam Concealed Fastener Roofing (07 61 13 00-0001)		
07 61 13 00-0007	SF		0.020" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing.....	45.46	4.90
			For Steep Roof, Over 6 To 12, Add	2.93	
			For 140 MPH Wind Load, Add	1.69	
			For Panels <16" Wide, Add	4.08	
			For Up To 1,500, Add	11.37	
			For >1,500 To 5,000, Add	6.82	
			For >5,000 To 10,000, Add	1.14	
			For Tin/Copper, Deduct	-0.71	
07 61 13 00-0008	SF		0.027" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing.....	54.80	5.10
			For Steep Roof, Over 6 To 12, Add	3.06	
			For 140 MPH Wind Load, Add	1.91	
			For Panels <16" Wide, Add	4.63	
			For Up To 1,500, Add	13.70	
			For >1,500 To 5,000, Add	8.22	
			For >5,000 To 10,000, Add	1.37	
			For Tin/Copper, Deduct	-0.89	
07 61 13 00-0009	SF		0.032" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing.....	62.14	5.35
			For Steep Roof, Over 6 To 12, Add	3.20	
			For 140 MPH Wind Load, Add	2.10	
			For Panels <16" Wide, Add	5.08	
			For Up To 1,500, Add	15.54	
			For >1,500 To 5,000, Add	9.32	
			For >5,000 To 10,000, Add	1.55	
			For Tin/Copper, Deduct	-1.03	
07 61 13 00-0010	SF		0.040" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing.....	77.56	5.59
			For Steep Roof, Over 6 To 12, Add	3.35	
			For 140 MPH Wind Load, Add	2.45	
			For Panels <16" Wide, Add	5.95	
			For Up To 1,500, Add	19.39	
			For >1,500 To 5,000, Add	11.63	
			For >5,000 To 10,000, Add	1.94	
			For Tin/Copper, Deduct	-1.33	
07 61 13 00-0011			Accessories For Copper Standing Seam Concealed Fastener Roofing (07 61 13 00-0001)		
07 61 13 00-0012	LF		Ridge Flashing For Copper Standing Seam Concealed Fastener Roofing.....	161.38	9.33
			For Steep Roof, Over 6 To 12, Add	7.00	
			For 140 MPH Wind Load, Add	5.09	
07 61 13 00-0013	LF		Eave Flashing For Copper Standing Seam Concealed Fastener Roofing.....	94.53	9.33
			For Steep Roof, Over 6 To 12, Add	7.00	
			For 140 MPH Wind Load, Add	3.76	
07 61 13 00-0014	LF		Valley Flashing For Copper Standing Seam Concealed Fastener Roofing.....	224.59	9.33
			For Steep Roof, Over 6 To 12, Add	7.00	
			For 140 MPH Wind Load, Add	6.36	
07 61 13 00-0015	LF		Hip Flashing For Copper Standing Seam Concealed Fastener Roofing.....	166.38	9.33
			For Steep Roof, Over 6 To 12, Add	7.00	
			For 140 MPH Wind Load, Add	5.19	
07 61 16			Batten Seam Sheet Metal Roofing (07 61)		
07 61 16 00-0001			Copper Batten Seam Concealed Fastener Roofing (07 61 16)		
07 61 16 00-0002			Copper Batten Seam Concealed Fastener Roofing (07 61 16 00-0001)		
07 61 16 00-0003	SF		16 Ounce Copper Batten Seam Concealed Fastener Roofing.....	47.95	5.35
			For Steep Roof, Over 6 To 12, Add	3.20	
			For 140 MPH Wind Load, Add	1.81	
			For Panels <16" Wide, Add	4.37	
			For Up To 1,500, Add	11.99	
			For >1,500 To 5,000, Add	7.19	
			For >5,000 To 10,000, Add	1.20	

07 Thermal And Moisture Protection**07 60 Flashing and Sheet Metal****07 61 Sheet Metal Roofing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 61 16 00-0004	SF	18 Ounce Copper Batten Seam Concealed Fastener Roofing	52.88	5.61
		For Steep Roof, Over 6 To 12, Add	3.36	
		For 140 MPH Wind Load, Add	1.95	
		For Panels <16" Wide, Add	4.72	
		For Up To 1,500, Add	13.22	
		For >1,500 To 5,000, Add	7.93	
		For >5,000 To 10,000, Add	1.32	
07 61 16 00-0005	SF	20 Ounce Copper Batten Seam Concealed Fastener Roofing	61.45	5.87
		For Steep Roof, Over 6 To 12, Add	3.52	
		For 140 MPH Wind Load, Add	2.17	
		For Panels <16" Wide, Add	5.24	
		For Up To 1,500, Add	15.36	
		For >1,500 To 5,000, Add	9.22	
		For >5,000 To 10,000, Add	1.54	

07 61 16 00-0006 Zinc/Copper Batten Seam Concealed Fastener Roofing (07 61 16 00-0001)

07 61 16 00-0007	SF	0.020" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing	48.53	4.90
		For Steep Roof, Over 6 To 12, Add	2.93	
		For 140 MPH Wind Load, Add	1.75	
		For Panels <16" Wide, Add	4.24	
		For Up To 1,500, Add	12.13	
		For >1,500 To 5,000, Add	7.28	
		For >5,000 To 10,000, Add	1.21	
		For Tin/Copper, Deduct	-0.78	
07 61 16 00-0008	SF	0.027" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing	59.19	5.10
		For Steep Roof, Over 6 To 12, Add	3.06	
		For 140 MPH Wind Load, Add	2.00	
		For Panels <16" Wide, Add	4.85	
		For Up To 1,500, Add	14.80	
		For >1,500 To 5,000, Add	8.88	
		For >5,000 To 10,000, Add	1.48	
		For Tin/Copper, Deduct	-0.98	
07 61 16 00-0009	SF	0.032" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing	66.23	5.35
		For Steep Roof, Over 6 To 12, Add	3.20	
		For 140 MPH Wind Load, Add	2.18	
		For Panels <16" Wide, Add	5.29	
		For Up To 1,500, Add	16.56	
		For >1,500 To 5,000, Add	9.93	
		For >5,000 To 10,000, Add	1.66	
		For Tin/Copper, Deduct	-1.11	
07 61 16 00-0010	SF	0.040" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing	82.83	5.59
		For Steep Roof, Over 6 To 12, Add	3.35	
		For 140 MPH Wind Load, Add	2.55	
		For Panels <16" Wide, Add	6.21	
		For Up To 1,500, Add	20.71	
		For >1,500 To 5,000, Add	12.42	
		For >5,000 To 10,000, Add	2.07	
		For Tin/Copper, Deduct	-1.43	

07 61 19 Flat Seam Sheet Metal Roofing (07 61)**07 61 19 00-0001 Copper Flat Seam Concealed Fastener Roofing (07 61 19)****07 61 19 00-0002 Copper Flat Seam Concealed Fastener Roofing (07 61 19 00-0001)**

07 61 19 00-0003	SF	16 Ounce Copper Flat Seam Concealed Fastener Roofing.....	37.27	4.90
		For Steep Roof, Over 6 To 12, Add	2.93	
		For 140 MPH Wind Load, Add	1.53	
		For Panels <16" Wide, Add	3.67	
		For Up To 1,500, Add	9.32	
		For >1,500 To 5,000, Add	5.59	
		For >5,000 To 10,000, Add	0.93	
07 61 19 00-0004	SF	18 Ounce Copper Flat Seam Concealed Fastener Roofing.....	40.92	5.10
		For Steep Roof, Over 6 To 12, Add	3.06	
		For 140 MPH Wind Load, Add	1.64	
		For Panels <16" Wide, Add	3.93	
		For Up To 1,500, Add	10.23	
		For >1,500 To 5,000, Add	6.14	
		For >5,000 To 10,000, Add	1.02	
07 61 19 00-0005	SF	20 Ounce Copper Flat Seam Concealed Fastener Roofing.....	47.22	5.35
		For Steep Roof, Over 6 To 12, Add	3.20	
		For 140 MPH Wind Load, Add	1.80	
		For Panels <16" Wide, Add	4.33	
		For Up To 1,500, Add	11.81	
		For >1,500 To 5,000, Add	7.08	
		For >5,000 To 10,000, Add	1.18	

07 61 19 00-0006 Zinc/Copper Flat Seam Concealed Fastener Roofing (07 61 19 00-0001)

07 61 19 00-0007	SF	0.020" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing.....	42.68	4.90
		For Steep Roof, Over 6 To 12, Add	2.93	
		For 140 MPH Wind Load, Add	1.64	
		For Panels <16" Wide, Add	3.94	
		For Up To 1,500, Add	10.67	
		For >1,500 To 5,000, Add	6.40	
		For >5,000 To 10,000, Add	1.07	
		For Tin/Copper, Deduct	-0.66	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 61 19 00-0008	SF	0.027" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing.....	51.88	5.10	
		For Steep Roof, Over 6 To 12, Add	3.06		
		For 140 MPH Wind Load, Add	1.85		
		For Panels <16" Wide, Add	4.48		
		For Up To 1,500, Add	12.97		
		For >1,500 To 5,000, Add	7.78		
		For >5,000 To 10,000, Add	1.30		
		For Tin/Copper, Deduct	-0.83		
07 61 19 00-0009	SF	0.032" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing.....	58.19	5.35	
		For Steep Roof, Over 6 To 12, Add	3.20		
		For 140 MPH Wind Load, Add	2.02		
		For Panels <16" Wide, Add	4.88		
		For Up To 1,500, Add	14.55		
		For >1,500 To 5,000, Add	8.73		
		For >5,000 To 10,000, Add	1.45		
		For Tin/Copper, Deduct	-0.95		
07 61 19 00-0010	SF	0.040" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing.....	72.59	5.59	
		For Steep Roof, Over 6 To 12, Add	3.35		
		For 140 MPH Wind Load, Add	2.35		
		For Panels <16" Wide, Add	5.70		
		For Up To 1,500, Add	18.15		
		For >1,500 To 5,000, Add	10.89		
		For >5,000 To 10,000, Add	1.81		
		For Tin/Copper, Deduct	-1.23		
07 62 Sheet Metal Flashing and Trim (07 60)					
07 62 13 Fabricated Copings (07 62)					
07 62 13 00-0001 Lead Flashing And Trim (07 62 13)					
07 62 13 00-0002	SF	2.5 Lb./SF, Sheet Lead Flashing	27.85	7.96	
		For Up To 100, Add	6.96		
07 62 13 00-0003	SF	4 Lb./SF, Sheet Lead Flashing	35.38	7.96	
		For Up To 100, Add	8.85		
07 62 13 00-0004 Copper Flashing And Trim (07 62 13)					
07 62 13 00-0005 Copper Flashing And Trim (07 62 13 00-0004)					
07 62 13 00-0006	SF	16 Ounce, 0.021" Thick, Copper Flashing And Trim.....	32.93	7.77	
		For Up To 100, Add	8.23		
		For >500 To 2,000, Deduct	-4.59		
		For >2,000, Deduct	-5.47		
		For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add	3.07		
		For Wrap Around Window Panning, Add	15.37		
07 62 13 00-0007	SF	20 Ounce, 0.027" Thick, Copper Flashing And Trim.....	34.06	7.96	
		For Up To 100, Add	8.52		
		For >500 To 2,000, Deduct	-4.75		
		For >2,000, Deduct	-5.65		
		For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add	3.21		
		For Wrap Around Window Panning, Add	16.07		
07 62 13 00-0008	SF	24 Ounce, 0.032" Thick, Copper Flashing And Trim.....	38.43	8.49	
		For Up To 100, Add	9.61		
		For >500 To 2,000, Deduct	-5.33		
		For >2,000, Deduct	-6.41		
		For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add	3.37		
		For Wrap Around Window Panning, Add	16.84		
07 62 13 00-0009	SF	32 Ounce, 0.043" Thick, Copper Flashing And Trim.....	46.47	8.84	
		For Up To 100, Add	11.62		
		For >500 To 2,000, Deduct	-6.39		
		For >2,000, Deduct	-7.83		
		For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add	3.54		
		For Wrap Around Window Panning, Add	17.68		
07 62 13 00-0010 Stainless Steel Flashing And Trim (07 62 13)					
07 62 13 00-0011 Stainless Steel Flashing And Trim (07 62 13 00-0010)					
07 62 13 00-0012	SF	32 Gauge, 0.010" Thick, Stainless Steel Flashing And Trim.....	13.48	4.24	
		For Up To 100, Add	3.37		
		For Wrap Around Window Panning, Add	10.91		
		For Mechanically Keyed Flashing, Add	1.03		
07 62 13 00-0013	SF	30 Gauge, 0.0125" Thick, Stainless Steel Flashing And Trim.....	14.30	4.77	
		For Up To 100, Add	3.58		
		For Wrap Around Window Panning, Add	11.09		
		For Mechanically Keyed Flashing, Add	1.28		
07 62 13 00-0014	SF	28 Gauge, 0.0156" Thick, Stainless Steel Flashing And Trim.....	15.12	5.30	
		For Up To 100, Add	3.78		
		For Wrap Around Window Panning, Add	11.27		
		For Mechanically Keyed Flashing, Add	1.54		
07 62 13 00-0015	SF	26 Gauge, 0.0187" Thick, Stainless Steel Flashing And Trim.....	16.44	5.84	
		For Up To 100, Add	4.11		
		For Wrap Around Window Panning, Add	11.63		
		For Mechanically Keyed Flashing, Add	1.92		
07 62 13 00-0016	SF	24 Gauge, 0.025" Thick, Stainless Steel Flashing And Trim.....	18.69	6.19	
		For Up To 100, Add	4.67		
		For Wrap Around Window Panning, Add	12.28		
		For Mechanically Keyed Flashing, Add	2.56		

07 Thermal And Moisture Protection**07 60 Flashing and Sheet Metal****07 62 Sheet Metal Flashing and Trim**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 13 00-0017	SF		22 Gauge, 0.031" Thick, Stainless Steel Flashing And Trim.....	20.23	6.50
			For Up To 100, Add	5.06	
			For Wrap Around Window Panning, Add	12.99	
			For Mechanically Keyed Flashing, Add	2.90	
07 62 13 00-0018	SF		20 Gauge, 0.0375" Thick, Stainless Steel Flashing And Trim.....	21.59	6.89
			For Up To 100, Add	5.40	
			For Wrap Around Window Panning, Add	13.75	
			For Mechanically Keyed Flashing, Add	3.14	
07 62 13 00-0019			Aluminum Flashing And Trim (07 62 13)		
07 62 13 00-0020			Aluminum Flashing And Trim (07 62 13 00-0019)		
07 62 13 00-0021	SF		0.013" Thick, Mill Finish, Aluminum Flashing And Trim	16.51	5.48
			For Up To 100, Add	4.13	
			For Baked Aluminum Colors, Add	0.43	
			For Wrap Around Window Panning, Add	12.19	
07 62 13 00-0022	SF		0.016" Thick, Mill Finish, Aluminum Flashing And Trim	17.45	5.48
			For Up To 100, Add	4.36	
			For Baked Aluminum Colors, Add	0.53	
			For Wrap Around Window Panning, Add	12.19	
07 62 13 00-0023	SF		0.019" Thick, Mill Finish, Aluminum Flashing And Trim	18.20	5.48
			For Up To 100, Add	4.55	
			For Baked Aluminum Colors, Add	0.60	
			For Wrap Around Window Panning, Add	12.19	
07 62 13 00-0024	SF		0.024" Thick, Mill Finish, Aluminum Flashing And Trim	19.28	5.48
			For Up To 100, Add	4.82	
			For Baked Aluminum Colors, Add	0.71	
			For Wrap Around Window Panning, Add	12.19	
07 62 13 00-0025	SF		0.032" Thick, Mill Finish, Aluminum Flashing And Trim	20.79	5.48
			For Up To 100, Add	5.20	
			For Baked Aluminum Colors, Add	0.86	
			For Wrap Around Window Panning, Add	12.19	
07 62 13 00-0026	SF		0.040" Thick, Mill Finish, Aluminum Flashing And Trim	21.72	5.48
			For Up To 100, Add	5.43	
			For Baked Aluminum Colors, Add	0.95	
			For Wrap Around Window Panning, Add	12.19	
07 62 13 00-0027	SF		0.050" Thick, Mill Finish, Aluminum Flashing And Trim	22.47	5.48
			For Up To 100, Add	5.62	
			For Baked Aluminum Colors, Add	1.03	
			For Wrap Around Window Panning, Add	12.19	
07 62 13 00-0028			Steel Flashing And Trim (07 62 13)		
07 62 13 00-0029			Galvanized Steel Flashing And Trim (07 62 13 00-0028)		
07 62 13 00-0030	SF		28 Gauge, 0.019" Thick, Galvanized Steel Flashing.....	15.94	5.30
			For Up To 100, Add	3.99	
			For Wrap Around Window Panning, Add	11.27	
07 62 13 00-0031	SF		26 Gauge, 0.022" Thick, Galvanized Steel Flashing.....	16.55	5.84
			For Up To 100, Add	4.14	
			For Wrap Around Window Panning, Add	11.63	
07 62 13 00-0032	SF		24 Gauge, 0.028" Thick, Galvanized Steel Flashing.....	17.60	6.19
			For Up To 100, Add	4.40	
			For Wrap Around Window Panning, Add	12.28	
07 62 13 00-0033	SF		22 Gauge, 0.034" Thick, Galvanized Steel Flashing.....	18.69	6.50
			For Up To 100, Add	4.67	
			For Wrap Around Window Panning, Add	12.99	
07 62 13 00-0034	SF		20 Gauge, 0.04" Thick, Galvanized Steel Flashing.....	20.13	6.89
			For Up To 100, Add	5.03	
			For Wrap Around Window Panning, Add	13.75	
07 62 19			Fabricated Gravel Stops and Fasciae (07 62)		
07 62 19 00-0001			Drip Edge (07 62 19)		
07 62 19 00-0002			Aluminum Drip Edge (07 62 19 00-0001)		
			Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.		
07 62 19 00-0003			KYNAR 500® Finish, Aluminum Drip Edge (07 62 19 00-0002)		
07 62 19 00-0004			0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 19 00-0003)		
07 62 19 00-0005	LF		Up To 5" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge	13.73	1.94
07 62 19 00-0006	LF		>5" To 7" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge	17.10	2.07
07 62 19 00-0007	LF		>7" To 9" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge	19.31	2.32
07 62 19 00-0008	LF		>9" To 12" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge	23.20	2.45
07 62 19 00-0009	LF		>12" To 15" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge	29.61	2.58
07 62 19 00-0010			0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 19 00-0003)		
07 62 19 00-0011	LF		Up To 5" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	14.69	1.94
07 62 19 00-0012	LF		>5" To 7" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	18.15	2.07
07 62 19 00-0013	LF		>7" To 9" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	20.89	2.32
07 62 19 00-0014	LF		>9" To 12" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	25.10	2.45
07 62 19 00-0015	LF		>12" To 15" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	31.41	2.58
07 62 19 00-0016			0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 19 00-0003)		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 19 00-0017	LF	Up To 5" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	15.64	1.94
07 62 19 00-0018	LF	>5" To 7" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	19.42	2.07
07 62 19 00-0019	LF	>7" To 9" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	22.43	2.32
07 62 19 00-0020	LF	>9" To 12" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	27.00	2.45
07 62 19 00-0021	LF	>12" To 15" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	33.95	2.58
07 62 19 00-0022		0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 19 00-0003)		
07 62 19 00-0023	LF	Up To 5" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	17.54	1.94
07 62 19 00-0024	LF	>5" To 7" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	21.96	2.07
07 62 19 00-0025	LF	>7" To 9" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	25.44	2.32
07 62 19 00-0026	LF	>9" To 12" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	30.81	2.45
07 62 19 00-0027	LF	>12" To 15" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	39.02	2.58
07 62 19 00-0028		0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 19 00-0003)		
07 62 19 00-0029	LF	Up To 5" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	18.17	1.94
07 62 19 00-0030	LF	>5" To 7" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	22.91	2.07
07 62 19 00-0031	LF	>7" To 9" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	26.44	2.32
07 62 19 00-0032	LF	>9" To 12" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	32.08	2.45
07 62 19 00-0033	LF	>12" To 15" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	40.71	2.58
07 62 19 00-0034		0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 19 00-0003)		
07 62 19 00-0035	LF	Up To 5" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	20.39	1.94
07 62 19 00-0036	LF	>5" To 7" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	25.76	2.07
07 62 19 00-0037	LF	>7" To 9" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	29.93	2.32
07 62 19 00-0038	LF	>9" To 12" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	36.51	2.45
07 62 19 00-0039	LF	>12" To 15" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	46.63	2.58
07 62 19 00-0040		0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 19 00-0003)		
07 62 19 00-0041	LF	Up To 5" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	23.56	1.94
07 62 19 00-0042	LF	>5" To 7" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	29.99	2.07
07 62 19 00-0043	LF	>7" To 9" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	34.95	2.32
07 62 19 00-0044	LF	>9" To 12" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	42.85	2.45
07 62 19 00-0045	LF	>12" To 15" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	55.08	2.58
07 62 19 00-0046		0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 19 00-0003)		
07 62 19 00-0047	LF	Up To 5" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	27.37	1.94
07 62 19 00-0048	LF	>5" To 7" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	35.06	2.07
07 62 19 00-0049	LF	>7" To 9" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	40.97	2.32
07 62 19 00-0050	LF	>9" To 12" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	50.46	2.45
07 62 19 00-0051	LF	>12" To 15" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	65.22	2.58
07 62 19 00-0052		Mill Finish, Aluminum Drip Edge (07 62 19 00-0002)		
07 62 19 00-0053		0.016" Thick, Mill Finish, Aluminum Drip Edge (07 62 19 00-0052)		
07 62 19 00-0054	LF	Up To 5" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge.....	11.28	1.94
07 62 19 00-0055	LF	>5" To 7" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge.....	13.75	2.07
07 62 19 00-0056	LF	>7" To 9" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge.....	15.44	2.32
07 62 19 00-0057	LF	>9" To 12" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge.....	18.28	2.45
07 62 19 00-0058	LF	>12" To 15" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge.....	22.82	2.58
07 62 19 00-0059		0.019" Thick, Mill Finish, Aluminum Drip Edge (07 62 19 00-0052)		
07 62 19 00-0060	LF	Up To 5" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge.....	11.93	1.94
07 62 19 00-0061	LF	>5" To 7" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge	14.48	2.07
07 62 19 00-0062	LF	>7" To 9" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge	16.53	2.32
07 62 19 00-0063	LF	>9" To 12" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge.....	19.59	2.45
07 62 19 00-0064	LF	>12" To 15" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge.....	24.06	2.58
07 62 19 00-0065		0.025" Thick, Mill Finish, Aluminum Drip Edge (07 62 19 00-0052)		
07 62 19 00-0066	LF	Up To 5" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge.....	12.59	1.94
07 62 19 00-0067	LF	>5" To 7" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge	15.36	2.07
07 62 19 00-0068	LF	>7" To 9" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge	17.59	2.32
07 62 19 00-0069	LF	>9" To 12" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge.....	20.90	2.45
07 62 19 00-0070	LF	>12" To 15" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge.....	25.81	2.58
07 62 19 00-0071		0.032" Thick, Mill Finish, Aluminum Drip Edge (07 62 19 00-0052)		
07 62 19 00-0072	LF	Up To 5" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge.....	13.90	1.94
07 62 19 00-0073	LF	>5" To 7" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge.....	17.11	2.07
07 62 19 00-0074	LF	>7" To 9" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge	19.67	2.32
07 62 19 00-0075	LF	>9" To 12" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge.....	23.53	2.45
07 62 19 00-0076	LF	>12" To 15" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge.....	29.31	2.58
07 62 19 00-0077		0.040" Thick, Mill Finish, Aluminum Drip Edge (07 62 19 00-0052)		
07 62 19 00-0078	LF	Up To 5" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge.....	14.34	1.94

07 Thermal And Moisture Protection**07 60 Flashing and Sheet Metal****07 62 Sheet Metal Flashing and Trim**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 62 19 00-0079	LF	>5" To 7" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge.....	17.76	2.07
07 62 19 00-0080	LF	>7" To 9" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge.....	20.36	2.32
07 62 19 00-0081	LF	>9" To 12" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge.....	24.40	2.45
07 62 19 00-0082	LF	>12" To 15" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge.....	30.48	2.58

07 62 19 00-0083 0.050" Thick, Mill Finish, Aluminum Drip Edge (07 62 19 00-0052)

07 62 19 00-0084	LF	Up To 5" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge.....	15.87	1.94
07 62 19 00-0085	LF	>5" To 7" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge.....	19.73	2.07
07 62 19 00-0086	LF	>7" To 9" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge.....	22.76	2.32
07 62 19 00-0087	LF	>9" To 12" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge.....	27.46	2.45
07 62 19 00-0088	LF	>12" To 15" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge.....	34.56	2.58

07 62 19 00-0089 0.063" Thick, Mill Finish, Aluminum Drip Edge (07 62 19 00-0052)

07 62 19 00-0090	LF	Up To 5" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge.....	18.05	1.94
07 62 19 00-0091	LF	>5" To 7" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge.....	22.64	2.07
07 62 19 00-0092	LF	>7" To 9" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge.....	26.22	2.32
07 62 19 00-0093	LF	>9" To 12" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge.....	31.84	2.45
07 62 19 00-0094	LF	>12" To 15" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge.....	40.39	2.58

07 62 19 00-0095 0.080" Thick, Mill Finish, Aluminum Drip Edge (07 62 19 00-0052)

07 62 19 00-0096	LF	Up To 5" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge.....	20.68	1.94
07 62 19 00-0097	LF	>5" To 7" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge.....	26.14	2.07
07 62 19 00-0098	LF	>7" To 9" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge.....	30.38	2.32
07 62 19 00-0099	LF	>9" To 12" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge.....	37.08	2.45
07 62 19 00-0100	LF	>12" To 15" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge.....	47.38	2.58

07 62 19 00-0101 Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0002)**07 62 19 00-0102 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0101)**

07 62 19 00-0103	LF	Up To 5" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	14.21	1.94
07 62 19 00-0104	LF	>5" To 7" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	17.74	2.07
07 62 19 00-0105	LF	>7" To 9" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	20.06	2.32
07 62 19 00-0106	LF	>9" To 12" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	24.15	2.45
07 62 19 00-0107	LF	>12" To 15" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	30.93	2.58

07 62 19 00-0108 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0101)

07 62 19 00-0109	LF	Up To 5" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	15.22	1.94
07 62 19 00-0110	LF	>5" To 7" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	18.86	2.07
07 62 19 00-0111	LF	>7" To 9" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	21.74	2.32
07 62 19 00-0112	LF	>9" To 12" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	26.17	2.45
07 62 19 00-0113	LF	>12" To 15" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	32.83	2.58

07 62 19 00-0114 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0101)

07 62 19 00-0115	LF	Up To 5" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	16.23	1.94
07 62 19 00-0116	LF	>5" To 7" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	20.21	2.07
07 62 19 00-0117	LF	>7" To 9" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	23.36	2.32
07 62 19 00-0118	LF	>9" To 12" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	28.18	2.45
07 62 19 00-0119	LF	>12" To 15" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	35.52	2.58

07 62 19 00-0120 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0101)

07 62 19 00-0121	LF	Up To 5" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	18.24	1.94
07 62 19 00-0122	LF	>5" To 7" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	22.90	2.07
07 62 19 00-0123	LF	>7" To 9" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	26.55	2.32
07 62 19 00-0124	LF	>9" To 12" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	32.22	2.45
07 62 19 00-0125	LF	>12" To 15" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	40.89	2.58

07 62 19 00-0126 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0101)

07 62 19 00-0127	LF	Up To 5" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	18.91	1.94
07 62 19 00-0128	LF	>5" To 7" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	23.90	2.07
07 62 19 00-0129	LF	>7" To 9" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	27.62	2.32
07 62 19 00-0130	LF	>9" To 12" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	33.56	2.45
07 62 19 00-0131	LF	>12" To 15" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	42.69	2.58

07 62 19 00-0132 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0101)

07 62 19 00-0133	LF	Up To 5" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	21.27	1.94
07 62 19 00-0134	LF	>5" To 7" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	26.93	2.07
07 62 19 00-0135	LF	>7" To 9" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	31.31	2.32
07 62 19 00-0136	LF	>9" To 12" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	38.26	2.45
07 62 19 00-0137	LF	>12" To 15" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	48.96	2.58

07 62 19 00-0138 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0101)

07 62 19 00-0139	LF	Up To 5" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	24.63	1.94
07 62 19 00-0140	LF	>5" To 7" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	31.41	2.07

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 19 00-0141	LF	>7" To 9" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	36.63	2.32
07 62 19 00-0142	LF	>9" To 12" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	44.98	2.45
07 62 19 00-0143	LF	>12" To 15" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	57.92	2.58
07 62 19 00-0144		0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0101)		
07 62 19 00-0145	LF	Up To 5" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge	28.66	1.94
07 62 19 00-0146	LF	>5" To 7" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	36.79	2.07
07 62 19 00-0147	LF	>7" To 9" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	43.02	2.32
07 62 19 00-0148	LF	>9" To 12" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	53.05	2.45
07 62 19 00-0149	LF	>12" To 15" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	68.67	2.58
07 62 19 00-0150		Galvanized Steel Drip Edge (07 62 19 00-0001)		
		Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.		
07 62 19 00-0151		Galvanized Steel Drip Edge (07 62 19 00-0150)		
07 62 19 00-0152		26 Gauge, Galvanized Steel Drip Edge (07 62 19 00-0151)		
07 62 19 00-0153	LF	Up To 5" Girth, 26 Gauge, Galvanized Steel Drip Edge	13.10	1.94
07 62 19 00-0154	LF	>5" To 7" Girth, 26 Gauge, Galvanized Steel Drip Edge	16.10	2.07
07 62 19 00-0155	LF	>7" To 9" Girth, 26 Gauge, Galvanized Steel Drip Edge.....	18.40	2.32
07 62 19 00-0156	LF	>9" To 12" Girth, 26 Gauge, Galvanized Steel Drip Edge.....	21.93	2.45
07 62 19 00-0157	LF	>12" To 15" Girth, 26 Gauge, Galvanized Steel Drip Edge.....	27.19	2.58
07 62 19 00-0158		24 Gauge, Galvanized Steel Drip Edge (07 62 19 00-0151)		
07 62 19 00-0159	LF	Up To 5" Girth, 24 Gauge, Galvanized Steel Drip Edge	14.20	1.94
07 62 19 00-0160	LF	>5" To 7" Girth, 24 Gauge, Galvanized Steel Drip Edge	17.57	2.07
07 62 19 00-0161	LF	>7" To 9" Girth, 24 Gauge, Galvanized Steel Drip Edge.....	20.14	2.32
07 62 19 00-0162	LF	>9" To 12" Girth, 24 Gauge, Galvanized Steel Drip Edge.....	24.13	2.45
07 62 19 00-0163	LF	>12" To 15" Girth, 24 Gauge, Galvanized Steel Drip Edge.....	30.09	2.58
07 62 19 00-0164		KYNAR 500® Finish, Galvanized Steel Drip Edge (07 62 19 00-0150)		
07 62 19 00-0165		26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge (07 62 19 00-0164)		
07 62 19 00-0166	LF	Up To 5" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	16.38	1.94
07 62 19 00-0167	LF	>5" To 7" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	20.51	2.07
07 62 19 00-0168	LF	>7" To 9" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	23.60	2.32
07 62 19 00-0169	LF	>9" To 12" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	28.50	2.45
07 62 19 00-0170	LF	>12" To 15" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	35.94	2.58
07 62 19 00-0171		24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge (07 62 19 00-0164)		
07 62 19 00-0172	LF	Up To 5" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	17.97	1.94
07 62 19 00-0173	LF	>5" To 7" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	22.64	2.07
07 62 19 00-0174	LF	>7" To 9" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	26.12	2.32
07 62 19 00-0175	LF	>9" To 12" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	31.67	2.45
07 62 19 00-0176	LF	>12" To 15" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	40.17	2.58
07 62 19 00-0177		Stainless Steel Drip Edge (07 62 19 00-0001)		
		Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.		
07 62 19 00-0178		26 Gauge, Stainless Steel Drip Edge (07 62 19 00-0177)		
07 62 19 00-0179	LF	Up To 5" Girth, 26 Gauge, Stainless Steel Drip Edge.....	22.44	1.94
07 62 19 00-0180	LF	>5" To 7" Girth, 26 Gauge, Stainless Steel Drip Edge	28.49	2.07
07 62 19 00-0181	LF	>7" To 9" Girth, 26 Gauge, Stainless Steel Drip Edge.....	33.17	2.32
07 62 19 00-0182	LF	>9" To 12" Girth, 26 Gauge, Stainless Steel Drip Edge.....	40.61	2.45
07 62 19 00-0183	LF	>12" To 15" Girth, 26 Gauge, Stainless Steel Drip Edge	52.08	2.58
07 62 19 00-0184		24 Gauge, Stainless Steel Drip Edge (07 62 19 00-0177)		
07 62 19 00-0185	LF	Up To 5" Girth, 24 Gauge, Stainless Steel Drip Edge.....	27.67	1.94
07 62 19 00-0186	LF	>5" To 7" Girth, 24 Gauge, Stainless Steel Drip Edge	35.47	2.07
07 62 19 00-0187	LF	>7" To 9" Girth, 24 Gauge, Stainless Steel Drip Edge.....	41.48	2.32
07 62 19 00-0188	LF	>9" To 12" Girth, 24 Gauge, Stainless Steel Drip Edge.....	51.07	2.45
07 62 19 00-0189	LF	>12" To 15" Girth, 24 Gauge, Stainless Steel Drip Edge	66.04	2.58
07 62 19 00-0190		22 Gauge, Stainless Steel Drip Edge (07 62 19 00-0177)		
07 62 19 00-0191	LF	Up To 5" Girth, 22 Gauge, Stainless Steel Drip Edge.....	33.83	1.94
07 62 19 00-0192	LF	>5" To 7" Girth, 22 Gauge, Stainless Steel Drip Edge	43.68	2.07
07 62 19 00-0193	LF	>7" To 9" Girth, 22 Gauge, Stainless Steel Drip Edge.....	51.23	2.32
07 62 19 00-0194	LF	>9" To 12" Girth, 22 Gauge, Stainless Steel Drip Edge.....	63.39	2.45
07 62 19 00-0195	LF	>12" To 15" Girth, 22 Gauge, Stainless Steel Drip Edge	82.46	2.58

07 63 Sheet Metal Roofing Specialties (07 60)
07 63 00 00-0001 Pitch Pockets (07 63)

Note: Cut into deck, filled with non-shrink grout, includes blocking.

07 63 00 00-0002 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pockets (07 63 00 00-0001)

07 Thermal And Moisture Protection**07 60 Flashing and Sheet Metal****07 63 Sheet Metal Roofing Specialties**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT
 UNIT COST DEMOLITION
 UNIT COST

07 63 00 00-0003	EA	4" x 4" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	110.67	
		<i>For Pourable Sealer Filled, Add</i>	40.59	
		<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	20.31	
07 63 00 00-0004	EA	6" x 6" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	131.28	
		<i>For Pourable Sealer Filled, Add</i>	91.38	
		<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	45.82	
07 63 00 00-0005	EA	8" x 8" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	157.97	
		<i>For Pourable Sealer Filled, Add</i>	162.37	
		<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	81.00	
07 63 00 00-0006	EA	8" x 10" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	173.38	
		<i>For Pourable Sealer Filled, Add</i>	202.96	
		<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	101.81	
07 63 00 00-0007	EA	8" x 12" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	187.60	
		<i>For Pourable Sealer Filled, Add</i>	243.55	
		<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	121.79	
07 63 00 00-0008	SF	24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	218.52	
		<i>For Pourable Sealer Filled, Add</i>	365.33	
		<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	181.54	

07 63 00 00-0009 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pockets (07 63 00 00-0001)

07 63 00 00-0010	EA	4" x 4" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	108.64	
		<i>For Pourable Sealer Filled, Add</i>	40.59	
		<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	20.31	
07 63 00 00-0011	EA	6" x 6" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	129.07	
		<i>For Pourable Sealer Filled, Add</i>	91.38	
		<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	45.82	
07 63 00 00-0012	EA	8" x 8" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	155.74	
		<i>For Pourable Sealer Filled, Add</i>	162.37	
		<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	81.00	
07 63 00 00-0013	EA	8" x 10" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	174.39	
		<i>For Pourable Sealer Filled, Add</i>	202.96	
		<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	101.81	
07 63 00 00-0014	EA	8" x 12" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	187.74	
		<i>For Pourable Sealer Filled, Add</i>	243.55	
		<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	121.79	
07 63 00 00-0015	SF	16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	218.54	
		<i>For Pourable Sealer Filled, Add</i>	365.33	
		<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	181.54	

07 63 00 00-0016 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pockets (07 63 00 00-0001)

07 63 00 00-0017	EA	4" x 4" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	109.20	
		<i>For Pourable Sealer Filled, Add</i>	40.59	
		<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	20.31	
07 63 00 00-0018	EA	6" x 6" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	128.51	
		<i>For Pourable Sealer Filled, Add</i>	91.38	
		<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	45.82	
07 63 00 00-0019	EA	8" x 8" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	149.74	
		<i>For Pourable Sealer Filled, Add</i>	162.37	
		<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	81.00	
07 63 00 00-0020	EA	8" x 10" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	163.92	
		<i>For Pourable Sealer Filled, Add</i>	202.96	
		<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	101.81	
07 63 00 00-0021	EA	8" x 12" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	176.60	
		<i>For Pourable Sealer Filled, Add</i>	243.55	
		<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	121.79	
07 63 00 00-0022	SF	24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	204.79	
		<i>For Pourable Sealer Filled, Add</i>	365.33	
		<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	181.54	

07 63 00 00-0023 Clean, Repair And Refill Existing Pitch Pockets With Non-Shrink Grout (07 63 00 00-0001)

Note: Includes removing existing filler and refilling with non-shrink grout.

07 63 00 00-0024	EA	Clean, Repair And Refill Existing 4" x 4" Pitch Pocket With Non-Shrink Grout.....	84.73	
		<i>For Pourable Sealer Filled, Add</i>	40.59	
		<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	20.31	
07 63 00 00-0025	EA	Clean, Repair And Refill Existing 6" x 6" Pitch Pocket With Non-Shrink Grout.....	96.87	
		<i>For Pourable Sealer Filled, Add</i>	91.38	
		<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	45.82	
07 63 00 00-0026	EA	Clean, Repair And Refill Existing 8" x 8" Pitch Pocket With Non-Shrink Grout.....	112.98	
		<i>For Pourable Sealer Filled, Add</i>	162.37	
		<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	81.00	
07 63 00 00-0027	EA	Clean, Repair And Refill Existing 8" x 10" Pitch Pocket With Non-Shrink Grout.....	123.26	
		<i>For Pourable Sealer Filled, Add</i>	202.96	
		<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	101.81	
07 63 00 00-0028	EA	Clean, Repair And Refill Existing 8" x 12" Pitch Pocket With Non-Shrink Grout.....	133.54	
		<i>For Pourable Sealer Filled, Add</i>	243.55	
		<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	121.79	
07 63 00 00-0029	SF	Clean, Repair And Refill Existing Pitch Pocket With Non-Shrink Grout.....	159.23	
		<i>For Pourable Sealer Filled, Add</i>	365.33	
		<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	181.54	

07 63 00 00-0030 Lead Pipe Flashing For Roofs (07 63)

Note: Includes 6" skirt base.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 63 00 00-0031	EA	1-1/4" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 3/4" Pipe.....	97.75	32.68
07 63 00 00-0032	EA	1-1/2" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 1" Pipe.....	97.75	32.68
07 63 00 00-0033	EA	2-3/4" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 2" Pipe.....	115.90	32.68
07 63 00 00-0034	EA	3-3/4" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 3" Pipe.....	126.28	32.68
07 63 00 00-0035	EA	4-1/4" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 3-1/2" Pipe.....	131.46	32.68
07 63 00 00-0036	EA	4-3/4" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 4" Pipe.....	134.06	32.68
07 63 00 00-0037	EA	6-7/8" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 6" Pipe.....	159.99	32.68
07 63 00 00-0038	EA	8-7/8" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 8" Pipe.....	171.66	32.68
07 63 00 00-0039		Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing (07 63)		
07 63 00 00-0040	EA	2" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing.....	87.19	21.12
07 63 00 00-0041	EA	3" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing.....	88.54	21.12
07 63 00 00-0042	EA	4" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing.....	93.42	21.12
07 63 00 00-0043	EA	6" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing.....	97.62	21.12
07 65		Flexible Flashing (07 60)		
07 65 16		Modified Bituminous Sheet Flashing (07 65)		
07 65 16 00-0001		Liquid Flashing System For Modified And BUR Systems (07 65 16) See CSI section 07 51 13 00-0036 for ceramic coated roofing granules.		
07 65 16 00-0002	SF	60 Mil, Urethane Elastomer Liquid Applied Flashing	15.38	2.41
		Note: Includes applying a 30 mil base coat, rolling in a stichbonded polyester reinforcing scrim and applying a 30 mil second coat.		
07 65 19		Plastic Sheet Flashing (07 65)		
07 65 19 00-0001		Plastic Flashing And Trim (07 65 19)		
07 65 19 00-0002		Neoprene Flashing (07 65 19 00-0001)		
07 65 19 00-0003		60 Mil Neoprene Flashing (07 65 19 00-0002)		
07 65 19 00-0004	LF	6" Wide Strip, 60 Mil, Neoprene Flashing	10.68	3.46
07 65 19 00-0005	LF	12" Wide Strip, 60 Mil, Neoprene Flashing	14.08	3.72
07 65 19 00-0006	LF	18" Wide Strip, 60 Mil, Neoprene Flashing	17.87	4.10
07 65 19 00-0007	LF	24" Wide Strip, 60 Mil, Neoprene Flashing	21.86	4.62
07 65 33		Flexible Roof Boot (07 65)		
07 65 33 00-0001		Neoprene Roof Boot (07 65 33)		
07 65 33 00-0002	EA	2" Diameter Pipe, Neoprene Roof Boot	50.94	10.66
07 65 33 00-0003	EA	3" Diameter Pipe, Neoprene Roof Boot	60.02	11.93
07 65 33 00-0004	EA	4" Diameter Pipe, Neoprene Roof Boot	66.78	12.84
07 70		Roof and Wall Specialties and Accessories (07)		
07 71		Roof Specialties (07 70)		
07 71 13		Manufactured Copings (07 71)		
07 71 13 00-0001		Galvanized Steel Copings (07 71 13)		
07 71 13 00-0002		KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats (07 71 13 00-0001) Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 13 00-0003	LF	10" To 14" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	35.72	2.78
		For Up To 25 LF, Add	5.43	
		For >25 To 100 LF, Add	2.71	
		For >1,000 LF, Deduct	-0.46	
07 71 13 00-0004	LF	>14" To 16" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	37.70	3.02
		For Up To 25 LF, Add	5.78	
		For >25 To 100 LF, Add	2.89	
		For >1,000 LF, Deduct	-0.50	
07 71 13 00-0005	LF	>16" To 22" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	42.94	3.18
		For Up To 25 LF, Add	6.41	
		For >25 To 100 LF, Add	3.21	
		For >1,000 LF, Deduct	-0.53	
07 71 13 00-0006	LF	>22" To 30" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	49.85	3.48
		For Up To 25 LF, Add	7.31	
		For >25 To 100 LF, Add	3.65	
		For >1,000 LF, Deduct	-0.58	
07 71 13 00-0007	LF	>30" To 42" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	60.12	3.64
		For Up To 25 LF, Add	8.44	
		For >25 To 100 LF, Add	4.22	
		For >1,000 LF, Deduct	-0.61	

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 71 Roof Specialties

MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 71 13 00-0008	Aluminum Copings (07 71 13)		
07 71 13 00-0009	Mill Finish, Aluminum Coping System With Galvanized Steel Cleats (07 71 13 00-0008)		
	Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 13 00-0010	0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats (07 71 13 00-0009)		
07 71 13 00-0011	LF 10" To 14" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	28.47	2.78
	For Up To 25 LF, Add	4.70	
	For >25 To 100 LF, Add	2.35	
	For >1,000 LF, Deduct	-0.46	
07 71 13 00-0012	LF >14" To 16" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	30.40	3.02
	For Up To 25 LF, Add	5.05	
	For >25 To 100 LF, Add	2.53	
	For >1,000 LF, Deduct	-0.50	
07 71 13 00-0013	LF >16" To 22" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	35.37	3.18
	For Up To 25 LF, Add	5.65	
	For >25 To 100 LF, Add	2.83	
	For >1,000 LF, Deduct	-0.53	
07 71 13 00-0014	LF >22" To 30" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	42.17	3.48
	For Up To 25 LF, Add	6.54	
	For >25 To 100 LF, Add	3.27	
	For >1,000 LF, Deduct	-0.58	
07 71 13 00-0015	LF >30" To 42" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	52.26	3.64
	For Up To 25 LF, Add	7.65	
	For >25 To 100 LF, Add	3.83	
	For >1,000 LF, Deduct	-0.61	
07 71 13 00-0016	0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats (07 71 13 00-0009)		
07 71 13 00-0017	LF 10" To 14" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	30.85	2.78
	For Up To 25 LF, Add	4.94	
	For >25 To 100 LF, Add	2.47	
	For >1,000 LF, Deduct	-0.46	
07 71 13 00-0018	LF >14" To 16" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	32.94	3.02
	For Up To 25 LF, Add	5.31	
	For >25 To 100 LF, Add	2.65	
	For >1,000 LF, Deduct	-0.50	
07 71 13 00-0019	LF >16" To 22" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	38.38	3.18
	For Up To 25 LF, Add	5.95	
	For >25 To 100 LF, Add	2.98	
	For >1,000 LF, Deduct	-0.53	
07 71 13 00-0020	LF >22" To 30" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	45.81	3.48
	For Up To 25 LF, Add	6.91	
	For >25 To 100 LF, Add	3.45	
	For >1,000 LF, Deduct	-0.58	
07 71 13 00-0021	LF >30" To 42" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	56.87	3.64
	For Up To 25 LF, Add	8.11	
	For >25 To 100 LF, Add	4.06	
	For >1,000 LF, Deduct	-0.61	
07 71 13 00-0022	0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats (07 71 13 00-0009)		
07 71 13 00-0023	LF 10" To 14" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	32.81	2.78
	For Up To 25 LF, Add	5.14	
	For >25 To 100 LF, Add	2.57	
	For >1,000 LF, Deduct	-0.46	
07 71 13 00-0024	LF >14" To 16" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	35.20	3.02
	For Up To 25 LF, Add	5.53	
	For >25 To 100 LF, Add	2.77	
	For >1,000 LF, Deduct	-0.50	
07 71 13 00-0025	LF >16" To 22" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	42.12	3.18
	For Up To 25 LF, Add	6.33	
	For >25 To 100 LF, Add	3.16	
	For >1,000 LF, Deduct	-0.53	
07 71 13 00-0026	LF >22" To 30" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	52.51	3.48
	For Up To 25 LF, Add	7.58	
	For >25 To 100 LF, Add	3.79	
	For >1,000 LF, Deduct	-0.58	
07 71 13 00-0027	LF >30" To 42" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	67.72	3.64
	For Up To 25 LF, Add	9.20	
	For >25 To 100 LF, Add	4.60	
	For >1,000 LF, Deduct	-0.61	
07 71 13 00-0028	KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats (07 71 13 00-0008)		
	Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 13 00-0029	0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats (07 71 13 00-0028)		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 13 00-0030	LF		10" To 14" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	39.19	2.78
			For Up To 25 LF, Add	5.78	
			For >25 To 100 LF, Add	2.89	
			For >1,000 LF, Deduct	-0.46	
07 71 13 00-0031	LF		>14" To 16" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	41.82	3.02
			For Up To 25 LF, Add	6.19	
			For >25 To 100 LF, Add	3.10	
			For >1,000 LF, Deduct	-0.50	
07 71 13 00-0032	LF		>16" To 22" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	48.91	3.18
			For Up To 25 LF, Add	7.01	
			For >25 To 100 LF, Add	3.50	
			For >1,000 LF, Deduct	-0.53	
07 71 13 00-0033	LF		>22" To 30" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	58.54	3.48
			For Up To 25 LF, Add	8.18	
			For >25 To 100 LF, Add	4.09	
			For >1,000 LF, Deduct	-0.58	
07 71 13 00-0034	LF		>30" To 42" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	73.04	3.64
			For Up To 25 LF, Add	9.73	
			For >25 To 100 LF, Add	4.86	
			For >1,000 LF, Deduct	-0.61	
07 71 13 00-0035			0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats (07 71 13 00-0028)		
07 71 13 00-0036	LF		10" To 14" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	42.64	2.78
			For Up To 25 LF, Add	6.12	
			For >25 To 100 LF, Add	3.06	
			For >1,000 LF, Deduct	-0.46	
07 71 13 00-0037	LF		>14" To 16" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	45.50	3.02
			For Up To 25 LF, Add	6.56	
			For >25 To 100 LF, Add	3.28	
			For >1,000 LF, Deduct	-0.50	
07 71 13 00-0038	LF		>16" To 22" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	53.27	3.18
			For Up To 25 LF, Add	7.44	
			For >25 To 100 LF, Add	3.72	
			For >1,000 LF, Deduct	-0.53	
07 71 13 00-0039	LF		>22" To 30" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	63.81	3.48
			For Up To 25 LF, Add	8.71	
			For >25 To 100 LF, Add	4.35	
			For >1,000 LF, Deduct	-0.58	
07 71 13 00-0040	LF		>30" To 42" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	79.74	3.64
			For Up To 25 LF, Add	10.40	
			For >25 To 100 LF, Add	5.20	
			For >1,000 LF, Deduct	-0.61	
07 71 13 00-0041			0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats (07 71 13 00-0028)		
07 71 13 00-0042	LF		10" To 14" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	45.48	2.78
			For Up To 25 LF, Add	6.40	
			For >25 To 100 LF, Add	3.20	
			For >1,000 LF, Deduct	-0.46	
07 71 13 00-0043	LF		>14" To 16" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	48.78	3.02
			For Up To 25 LF, Add	6.89	
			For >25 To 100 LF, Add	3.45	
			For >1,000 LF, Deduct	-0.50	
07 71 13 00-0044	LF		>16" To 22" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	58.69	3.18
			For Up To 25 LF, Add	7.99	
			For >25 To 100 LF, Add	3.99	
			For >1,000 LF, Deduct	-0.53	
07 71 13 00-0045	LF		>22" To 30" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	73.53	3.48
			For Up To 25 LF, Add	9.68	
			For >25 To 100 LF, Add	4.84	
			For >1,000 LF, Deduct	-0.58	
07 71 13 00-0046	LF		>30" To 42" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	95.47	3.64
			For Up To 25 LF, Add	11.97	
			For >25 To 100 LF, Add	5.99	
			For >1,000 LF, Deduct	-0.61	
07 71 13 00-0047			Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats (07 71 13 00-0008)		
			Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 71 Roof Specialties

MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 71 13 00-0048	0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats (07 71 13 00-0047)		
07 71 13 00-0049	LF 10" To 14" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	41.26	2.78
	For Up To 25 LF, Add	5.98	
	For >25 To 100 LF, Add	2.99	
	For >1,000 LF, Deduct	-0.46	
07 71 13 00-0050	LF >14" To 16" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	44.03	3.02
	For Up To 25 LF, Add	6.42	
	For >25 To 100 LF, Add	3.21	
	For >1,000 LF, Deduct	-0.50	
07 71 13 00-0051	LF >16" To 22" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	51.52	3.18
	For Up To 25 LF, Add	7.27	
	For >25 To 100 LF, Add	3.63	
	For >1,000 LF, Deduct	-0.53	
07 71 13 00-0052	LF >22" To 30" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	61.70	3.48
	For Up To 25 LF, Add	8.49	
	For >25 To 100 LF, Add	4.25	
	For >1,000 LF, Deduct	-0.58	
07 71 13 00-0053	LF >30" To 42" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	77.06	3.64
	For Up To 25 LF, Add	10.13	
	For >25 To 100 LF, Add	5.07	
	For >1,000 LF, Deduct	-0.61	
07 71 13 00-0054	0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats (07 71 13 00-0047)		
07 71 13 00-0055	LF 10" To 14" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	44.92	2.78
	For Up To 25 LF, Add	6.35	
	For >25 To 100 LF, Add	3.17	
	For >1,000 LF, Deduct	-0.46	
07 71 13 00-0056	LF >14" To 16" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	47.93	3.02
	For Up To 25 LF, Add	6.81	
	For >25 To 100 LF, Add	3.40	
	For >1,000 LF, Deduct	-0.50	
07 71 13 00-0057	LF >16" To 22" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	56.15	3.18
	For Up To 25 LF, Add	7.73	
	For >25 To 100 LF, Add	3.87	
	For >1,000 LF, Deduct	-0.53	
07 71 13 00-0058	LF >22" To 30" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	67.29	3.48
	For Up To 25 LF, Add	9.05	
	For >25 To 100 LF, Add	4.53	
	For >1,000 LF, Deduct	-0.58	
07 71 13 00-0059	LF >30" To 42" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	84.16	3.64
	For Up To 25 LF, Add	10.84	
	For >25 To 100 LF, Add	5.42	
	For >1,000 LF, Deduct	-0.61	
07 71 13 00-0060	0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats (07 71 13 00-0047)		
07 71 13 00-0061	LF 10" To 14" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	47.93	2.78
	For Up To 25 LF, Add	6.65	
	For >25 To 100 LF, Add	3.32	
	For >1,000 LF, Deduct	-0.46	
07 71 13 00-0062	LF >14" To 16" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	51.41	3.02
	For Up To 25 LF, Add	7.15	
	For >25 To 100 LF, Add	3.58	
	For >1,000 LF, Deduct	-0.50	
07 71 13 00-0063	LF >16" To 22" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	61.89	3.18
	For Up To 25 LF, Add	8.31	
	For >25 To 100 LF, Add	4.15	
	For >1,000 LF, Deduct	-0.53	
07 71 13 00-0064	LF >22" To 30" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	77.59	3.48
	For Up To 25 LF, Add	10.08	
	For >25 To 100 LF, Add	5.04	
	For >1,000 LF, Deduct	-0.58	
07 71 13 00-0065	LF >30" To 42" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	100.83	3.64
	For Up To 25 LF, Add	12.51	
	For >25 To 100 LF, Add	6.25	
	For >1,000 LF, Deduct	-0.61	
07 71 13 00-0066	Removal And Reinstallation Of Metal Coping (07 71 13)		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
07 71 13 00-0067	LF		Removal And Reinstallation Of Metal Coping.....	10.29	
			For Up To 25 LF, Add	5.15	
			For >25 To 100 LF, Add	2.57	
			For >1,000 LF, Deduct	-1.03	
07 71 19 Manufactured Gravel Stops and Fasciae (07 71)					
07 71 19 00-0001			Gravel Stop (07 71 19)		
07 71 19 00-0002			Aluminum Gravel Stop (07 71 19 00-0001)		
07 71 19 00-0003			Aluminum Gravel Stop (07 71 19 00-0002)		
07 71 19 00-0004			KYNAR 500® Finish, Aluminum Gravel Stop (07 71 19 00-0003)		
07 71 19 00-0005			0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop (07 71 19 00-0004)		
07 71 19 00-0006	LF		4" To 6" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	42.15	2.19
			For Up To 25 LF, Add	6.80	
			For >25 To 100 LF, Add	3.40	
			For >1,000 LF, Deduct	-0.65	
07 71 19 00-0007	LF		>6" To 10" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	43.61	2.58
			For Up To 25 LF, Add	7.41	
			For >25 To 100 LF, Add	3.70	
			For >1,000 LF, Deduct	-0.76	
07 71 19 00-0008	LF		>10" To 18" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	45.10	2.83
			For Up To 25 LF, Add	7.97	
			For >25 To 100 LF, Add	3.98	
			For >1,000 LF, Deduct	-0.86	
07 71 19 00-0009			0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop (07 71 19 00-0004)		
07 71 19 00-0010	LF		4" To 6" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	44.78	2.19
			For Up To 25 LF, Add	7.06	
			For >25 To 100 LF, Add	3.53	
			For >1,000 LF, Deduct	-0.65	
07 71 19 00-0011	LF		>6" To 10" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	46.35	2.58
			For Up To 25 LF, Add	7.68	
			For >25 To 100 LF, Add	3.84	
			For >1,000 LF, Deduct	-0.76	
07 71 19 00-0012	LF		>10" To 18" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	47.99	2.83
			For Up To 25 LF, Add	8.26	
			For >25 To 100 LF, Add	4.13	
			For >1,000 LF, Deduct	-0.86	
07 71 19 00-0013			0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop (07 71 19 00-0004)		
07 71 19 00-0014	LF		4" To 6" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	48.21	2.19
			For Up To 25 LF, Add	7.40	
			For >25 To 100 LF, Add	3.70	
			For >1,000 LF, Deduct	-0.65	
07 71 19 00-0015	LF		>6" To 10" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	49.63	2.58
			For Up To 25 LF, Add	8.01	
			For >25 To 100 LF, Add	4.01	
			For >1,000 LF, Deduct	-0.76	
07 71 19 00-0016	LF		>10" To 18" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	51.64	2.83
			For Up To 25 LF, Add	8.62	
			For >25 To 100 LF, Add	4.31	
			For >1,000 LF, Deduct	-0.86	
07 71 19 00-0017			0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop (07 71 19 00-0004)		
07 71 19 00-0018	LF		4" To 6" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	50.53	2.19
			For Up To 25 LF, Add	7.63	
			For >25 To 100 LF, Add	3.82	
			For >1,000 LF, Deduct	-0.65	
07 71 19 00-0019	LF		>6" To 10" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	52.04	2.58
			For Up To 25 LF, Add	8.25	
			For >25 To 100 LF, Add	4.13	
			For >1,000 LF, Deduct	-0.76	
07 71 19 00-0020	LF		>10" To 18" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	54.19	2.83
			For Up To 25 LF, Add	8.88	
			For >25 To 100 LF, Add	4.44	
			For >1,000 LF, Deduct	-0.86	
07 71 19 00-0021			Mill Finish, Aluminum Gravel Stop (07 71 19 00-0003)		
07 71 19 00-0022			0.032" Thick, Mill Finish, Aluminum Gravel Stop (07 71 19 00-0021)		
07 71 19 00-0023	LF		4" To 6" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop.....	27.58	2.19
			For Up To 25 LF, Add	5.34	
			For >25 To 100 LF, Add	2.67	
			For >1,000 LF, Deduct	-0.65	
07 71 19 00-0024	LF		>6" To 10" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop.....	29.77	2.58
			For Up To 25 LF, Add	6.03	
			For >25 To 100 LF, Add	3.01	
			For >1,000 LF, Deduct	-0.76	

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 71 Roof Specialties

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
07 71 19 00-0025	LF >10" To 18" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop For Up To 25 LF, Add For >25 To 100 LF, Add For >1,000 LF, Deduct	31.96 6.65 3.33 -0.86		2.83	
07 71 19 00-0026	0.040" Thick, Mill Finish, Aluminum Gravel Stop (07 71 19 00-0021)				
07 71 19 00-0027	LF 4" To 6" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop For Up To 25 LF, Add For >25 To 100 LF, Add For >1,000 LF, Deduct	29.77 5.56 2.78 -0.65		2.19	
07 71 19 00-0028	LF >6" To 10" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop For Up To 25 LF, Add For >25 To 100 LF, Add For >1,000 LF, Deduct	31.67 6.22 3.11 -0.76		2.58	
07 71 19 00-0029	LF >10" To 18" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop For Up To 25 LF, Add For >25 To 100 LF, Add For >1,000 LF, Deduct	33.42 6.80 3.40 -0.86		2.83	
07 71 19 00-0030	0.050" Thick, Mill Finish, Aluminum Gravel Stop (07 71 19 00-0021)				
07 71 19 00-0031	LF 4" To 6" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop For Up To 25 LF, Add For >25 To 100 LF, Add For >1,000 LF, Deduct	31.96 5.78 2.89 -0.65		2.19	
07 71 19 00-0032	LF >6" To 10" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop For Up To 25 LF, Add For >25 To 100 LF, Add For >1,000 LF, Deduct	33.85 6.43 3.22 -0.76		2.58	
07 71 19 00-0033	LF >10" To 18" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop For Up To 25 LF, Add For >25 To 100 LF, Add For >1,000 LF, Deduct	35.79 7.04 3.52 -0.86		2.83	
07 71 19 00-0034	0.063" Thick, Mill Finish, Aluminum Gravel Stop (07 71 19 00-0021)				
07 71 19 00-0035	LF 4" To 6" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop For Up To 25 LF, Add For >25 To 100 LF, Add For >1,000 LF, Deduct	34.32 6.01 3.01 -0.65		2.19	
07 71 19 00-0036	LF >6" To 10" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop For Up To 25 LF, Add For >25 To 100 LF, Add For >1,000 LF, Deduct	36.04 6.65 3.33 -0.76		2.58	
07 71 19 00-0037	LF >10" To 18" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop For Up To 25 LF, Add For >25 To 100 LF, Add For >1,000 LF, Deduct	37.54 7.21 3.61 -0.86		2.83	
07 71 19 00-0038	Clear Anodized Finish, Aluminum Gravel Stop (07 71 19 00-0003)				
07 71 19 00-0039	0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop (07 71 19 00-0038)				
07 71 19 00-0040	LF 4" To 6" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop For Up To 25 LF, Add For >25 To 100 LF, Add For >1,000 LF, Deduct	50.24 7.60 3.80 -0.65		2.19	
07 71 19 00-0041	LF >6" To 10" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop For Up To 25 LF, Add For >25 To 100 LF, Add For >1,000 LF, Deduct	52.05 8.25 4.13 -0.76		2.58	
07 71 19 00-0042	LF >10" To 18" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop For Up To 25 LF, Add For >25 To 100 LF, Add For >1,000 LF, Deduct	53.65 8.82 4.41 -0.86		2.83	
07 71 19 00-0043	0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop (07 71 19 00-0038)				
07 71 19 00-0044	LF 4" To 6" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop For Up To 25 LF, Add For >25 To 100 LF, Add For >1,000 LF, Deduct	53.40 7.92 3.96 -0.65		2.19	
07 71 19 00-0045	LF >6" To 10" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop For Up To 25 LF, Add For >25 To 100 LF, Add For >1,000 LF, Deduct	55.34 8.58 4.29 -0.76		2.58	
07 71 19 00-0046	LF >10" To 18" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop For Up To 25 LF, Add For >25 To 100 LF, Add For >1,000 LF, Deduct	57.10 9.17 4.58 -0.86		2.83	
07 71 19 00-0047	0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop (07 71 19 00-0038)				
07 71 19 00-0048	LF 4" To 6" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop For Up To 25 LF, Add For >25 To 100 LF, Add For >1,000 LF, Deduct	57.51 8.33 4.17 -0.65		2.19	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0049	LF		>6" To 10" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop	59.27	2.58
			For Up To 25 LF, Add	8.98	
			For >25 To 100 LF, Add	4.49	
			For >1,000 LF, Deduct	-0.76	
07 71 19 00-0050	LF		>10" To 18" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop	60.74	2.83
			For Up To 25 LF, Add	9.53	
			For >25 To 100 LF, Add	4.77	
			For >1,000 LF, Deduct	-0.86	
07 71 19 00-0051			0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop (07 71 19 00-0038)		
07 71 19 00-0052	LF		4" To 6" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop	60.29	2.19
			For Up To 25 LF, Add	8.61	
			For >25 To 100 LF, Add	4.30	
			For >1,000 LF, Deduct	-0.65	
07 71 19 00-0053	LF		>6" To 10" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop	62.16	2.58
			For Up To 25 LF, Add	9.26	
			For >25 To 100 LF, Add	4.63	
			For >1,000 LF, Deduct	-0.76	
07 71 19 00-0054	LF		>10" To 18" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop	63.75	2.83
			For Up To 25 LF, Add	9.83	
			For >25 To 100 LF, Add	4.92	
			For >1,000 LF, Deduct	-0.86	
07 71 19 00-0055			Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0002)		
			Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0056			KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0055)		
07 71 19 00-0057			0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0056)		
07 71 19 00-0058	LF		4" To 6" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	47.53	2.32
			For Up To 25 LF, Add	7.59	
			For >25 To 100 LF, Add	3.79	
			For >1,000 LF, Deduct	-0.71	
07 71 19 00-0059	LF		>6" To 10" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	50.56	2.77
			For Up To 25 LF, Add	8.41	
			For >25 To 100 LF, Add	4.20	
			For >1,000 LF, Deduct	-0.84	
07 71 19 00-0060	LF		>10" To 18" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	54.02	3.16
			For Up To 25 LF, Add	9.22	
			For >25 To 100 LF, Add	4.61	
			For >1,000 LF, Deduct	-0.95	
07 71 19 00-0061			0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0056)		
07 71 19 00-0062	LF		4" To 6" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	50.16	2.32
			For Up To 25 LF, Add	7.85	
			For >25 To 100 LF, Add	3.93	
			For >1,000 LF, Deduct	-0.71	
07 71 19 00-0063	LF		>6" To 10" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	53.31	2.77
			For Up To 25 LF, Add	8.68	
			For >25 To 100 LF, Add	4.34	
			For >1,000 LF, Deduct	-0.84	
07 71 19 00-0064	LF		>10" To 18" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	56.91	3.16
			For Up To 25 LF, Add	9.51	
			For >25 To 100 LF, Add	4.75	
			For >1,000 LF, Deduct	-0.95	
07 71 19 00-0065			0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0056)		
07 71 19 00-0066	LF		4" To 6" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	53.58	2.32
			For Up To 25 LF, Add	8.19	
			For >25 To 100 LF, Add	4.10	
			For >1,000 LF, Deduct	-0.71	
07 71 19 00-0067	LF		>6" To 10" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	56.59	2.77
			For Up To 25 LF, Add	9.01	
			For >25 To 100 LF, Add	4.51	
			For >1,000 LF, Deduct	-0.84	
07 71 19 00-0068	LF		>10" To 18" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	60.55	3.16
			For Up To 25 LF, Add	9.87	
			For >25 To 100 LF, Add	4.94	
			For >1,000 LF, Deduct	-0.95	
07 71 19 00-0069			0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0056)		

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 71 Roof Specialties

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
07 71 19 00-0070	LF 4" To 6" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	55.91		2.32	
	For Up To 25 LF, Add	8.43			
	For >25 To 100 LF, Add	4.21			
	For >1,000 LF, Deduct	-0.71			
07 71 19 00-0071	LF >6" To 10" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	59.00		2.77	
	For Up To 25 LF, Add	9.25			
	For >25 To 100 LF, Add	4.63			
	For >1,000 LF, Deduct	-0.84			
07 71 19 00-0072	LF >10" To 18" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	63.10		3.16	
	For Up To 25 LF, Add	10.13			
	For >25 To 100 LF, Add	5.06			
	For >1,000 LF, Deduct	-0.95			
07 71 19 00-0073	Mill Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0055)				
07 71 19 00-0074	0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0073)				
07 71 19 00-0075	LF 4" To 6" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	34.98		2.32	
	For Up To 25 LF, Add	6.33			
	For >25 To 100 LF, Add	3.17			
	For >1,000 LF, Deduct	-0.71			
07 71 19 00-0076	LF >6" To 10" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	37.47		2.77	
	For Up To 25 LF, Add	7.10			
	For >25 To 100 LF, Add	3.55			
	For >1,000 LF, Deduct	-0.84			
07 71 19 00-0077	LF >10" To 18" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	40.33		3.16	
	For Up To 25 LF, Add	7.85			
	For >25 To 100 LF, Add	3.92			
	For >1,000 LF, Deduct	-0.95			
07 71 19 00-0078	0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0073)				
07 71 19 00-0079	LF 4" To 6" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	36.79		2.32	
	For Up To 25 LF, Add	6.52			
	For >25 To 100 LF, Add	3.26			
	For >1,000 LF, Deduct	-0.71			
07 71 19 00-0080	LF >6" To 10" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	39.36		2.77	
	For Up To 25 LF, Add	7.29			
	For >25 To 100 LF, Add	3.64			
	For >1,000 LF, Deduct	-0.84			
07 71 19 00-0081	LF >10" To 18" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	42.33		3.16	
	For Up To 25 LF, Add	8.05			
	For >25 To 100 LF, Add	4.02			
	For >1,000 LF, Deduct	-0.95			
07 71 19 00-0082	0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0073)				
07 71 19 00-0083	LF 4" To 6" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	39.15		2.32	
	For Up To 25 LF, Add	6.75			
	For >25 To 100 LF, Add	3.38			
	For >1,000 LF, Deduct	-0.71			
07 71 19 00-0084	LF >6" To 10" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	41.63		2.77	
	For Up To 25 LF, Add	7.52			
	For >25 To 100 LF, Add	3.76			
	For >1,000 LF, Deduct	-0.84			
07 71 19 00-0085	LF >10" To 18" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	44.70		3.16	
	For Up To 25 LF, Add	8.29			
	For >25 To 100 LF, Add	4.14			
	For >1,000 LF, Deduct	-0.95			
07 71 19 00-0086	0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0073)				
07 71 19 00-0087	LF 4" To 6" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	40.76		2.32	
	For Up To 25 LF, Add	6.91			
	For >25 To 100 LF, Add	3.46			
	For >1,000 LF, Deduct	-0.71			
07 71 19 00-0088	LF >6" To 10" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	43.29		2.77	
	For Up To 25 LF, Add	7.68			
	For >25 To 100 LF, Add	3.84			
	For >1,000 LF, Deduct	-0.84			
07 71 19 00-0089	LF >10" To 18" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	46.46		3.16	
	For Up To 25 LF, Add	8.46			
	For >25 To 100 LF, Add	4.23			
	For >1,000 LF, Deduct	-0.95			
07 71 19 00-0090	Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0055)				
07 71 19 00-0091	0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0090)				

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0092	LF		4" To 6" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	55.62	2.32
			For Up To 25 LF, Add	8.40	
			For >25 To 100 LF, Add	4.20	
			For >1,000 LF, Deduct	-0.71	
07 71 19 00-0093	LF		>6" To 10" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	59.00	2.77
			For Up To 25 LF, Add	9.25	
			For >25 To 100 LF, Add	4.63	
			For >1,000 LF, Deduct	-0.84	
07 71 19 00-0094	LF		>10" To 18" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	62.57	3.16
			For Up To 25 LF, Add	10.07	
			For >25 To 100 LF, Add	5.04	
			For >1,000 LF, Deduct	-0.95	
07 71 19 00-0095 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0090)					
07 71 19 00-0096	LF		4" To 6" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	58.77	2.32
			For Up To 25 LF, Add	8.71	
			For >25 To 100 LF, Add	4.36	
			For >1,000 LF, Deduct	-0.71	
07 71 19 00-0097	LF		>6" To 10" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	62.29	2.77
			For Up To 25 LF, Add	9.58	
			For >25 To 100 LF, Add	4.79	
			For >1,000 LF, Deduct	-0.84	
07 71 19 00-0098	LF		>10" To 18" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	66.02	3.16
			For Up To 25 LF, Add	10.42	
			For >25 To 100 LF, Add	5.21	
			For >1,000 LF, Deduct	-0.95	
07 71 19 00-0099 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0090)					
07 71 19 00-0100	LF		4" To 6" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	62.88	2.32
			For Up To 25 LF, Add	9.12	
			For >25 To 100 LF, Add	4.56	
			For >1,000 LF, Deduct	-0.71	
07 71 19 00-0101	LF		>6" To 10" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	66.23	2.77
			For Up To 25 LF, Add	9.98	
			For >25 To 100 LF, Add	4.99	
			For >1,000 LF, Deduct	-0.84	
07 71 19 00-0102	LF		>10" To 18" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	69.66	3.16
			For Up To 25 LF, Add	10.78	
			For >25 To 100 LF, Add	5.39	
			For >1,000 LF, Deduct	-0.95	
07 71 19 00-0103 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0090)					
07 71 19 00-0104	LF		4" To 6" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	65.67	2.32
			For Up To 25 LF, Add	9.40	
			For >25 To 100 LF, Add	4.70	
			For >1,000 LF, Deduct	-0.71	
07 71 19 00-0105	LF		>6" To 10" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	69.12	2.77
			For Up To 25 LF, Add	10.26	
			For >25 To 100 LF, Add	5.13	
			For >1,000 LF, Deduct	-0.84	
07 71 19 00-0106	LF		>10" To 18" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	72.67	3.16
			For Up To 25 LF, Add	11.08	
			For >25 To 100 LF, Add	5.54	
			For >1,000 LF, Deduct	-0.95	
07 71 19 00-0107 Stainless Steel Gravel Stop (07 71 19 00-0001)					
07 71 19 00-0108 Stainless Steel Gravel Stop (07 71 19 00-0107)					
07 71 19 00-0109 26 Gauge, Stainless Steel Gravel Stop (07 71 19 00-0108)					
07 71 19 00-0110	LF		4" To 6" Face Height, 26 Gauge, Stainless Steel Gravel Stop.....	40.42	2.19
			For Up To 25 LF, Add	6.62	
			For >25 To 100 LF, Add	3.31	
			For >1,000 LF, Deduct	-0.65	
07 71 19 00-0111	LF		>6" To 10" Face Height, 26 Gauge, Stainless Steel Gravel Stop	53.09	2.58
			For Up To 25 LF, Add	8.36	
			For >25 To 100 LF, Add	4.18	
			For >1,000 LF, Deduct	-0.76	
07 71 19 00-0112	LF		>10" To 18" Face Height, 26 Gauge, Stainless Steel Gravel Stop	78.64	2.83
			For Up To 25 LF, Add	11.32	
			For >25 To 100 LF, Add	5.66	
			For >1,000 LF, Deduct	-0.86	

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 71 Roof Specialties

MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 71 19 00-0113	24 Gauge, Stainless Steel Gravel Stop (07 71 19 00-0108)		
07 71 19 00-0114	LF 4" To 6" Face Height, 24 Gauge, Stainless Steel Gravel Stop.....	50.28	2.19
	For Up To 25 LF, Add	7.61	
	For >25 To 100 LF, Add	3.80	
	For >1,000 LF, Deduct	-0.65	
07 71 19 00-0115	LF >6" To 10" Face Height, 24 Gauge, Stainless Steel Gravel Stop.....	66.23	2.58
	For Up To 25 LF, Add	9.67	
	For >25 To 100 LF, Add	4.84	
	For >1,000 LF, Deduct	-0.76	
07 71 19 00-0116	LF >10" To 18" Face Height, 24 Gauge, Stainless Steel Gravel Stop.....	98.35	2.83
	For Up To 25 LF, Add	13.29	
	For >25 To 100 LF, Add	6.65	
	For >1,000 LF, Deduct	-0.86	
07 71 19 00-0117	22 Gauge, Stainless Steel Gravel Stop (07 71 19 00-0108)		
07 71 19 00-0118	LF 4" To 6" Face Height, 22 Gauge, Stainless Steel Gravel Stop.....	60.75	2.19
	For Up To 25 LF, Add	8.66	
	For >25 To 100 LF, Add	4.33	
	For >1,000 LF, Deduct	-0.65	
07 71 19 00-0119	LF >6" To 10" Face Height, 22 Gauge, Stainless Steel Gravel Stop.....	80.19	2.58
	For Up To 25 LF, Add	11.07	
	For >25 To 100 LF, Add	5.53	
	For >1,000 LF, Deduct	-0.76	
07 71 19 00-0120	LF >10" To 18" Face Height, 22 Gauge, Stainless Steel Gravel Stop.....	119.29	2.83
	For Up To 25 LF, Add	15.39	
	For >25 To 100 LF, Add	7.69	
	For >1,000 LF, Deduct	-0.86	
07 71 19 00-0121	Stainless Steel Gravel Stop System With Continuous Cleat (07 71 19 00-0107)		
	Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0122	26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat (07 71 19 00-0121)		
07 71 19 00-0123	LF 4" To 6" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat.....	47.74	2.32
	For Up To 25 LF, Add	7.61	
	For >25 To 100 LF, Add	3.81	
	For >1,000 LF, Deduct	-0.71	
07 71 19 00-0124	LF >6" To 10" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat.....	62.57	2.77
	For Up To 25 LF, Add	9.61	
	For >25 To 100 LF, Add	4.80	
	For >1,000 LF, Deduct	-0.84	
07 71 19 00-0125	LF >10" To 18" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat.....	90.83	3.16
	For Up To 25 LF, Add	12.90	
	For >25 To 100 LF, Add	6.45	
	For >1,000 LF, Deduct	-0.95	
07 71 19 00-0126	24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat (07 71 19 00-0121)		
07 71 19 00-0127	LF 4" To 6" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat.....	57.59	2.32
	For Up To 25 LF, Add	8.60	
	For >25 To 100 LF, Add	4.30	
	For >1,000 LF, Deduct	-0.71	
07 71 19 00-0128	LF >6" To 10" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat.....	75.71	2.77
	For Up To 25 LF, Add	10.92	
	For >25 To 100 LF, Add	5.46	
	For >1,000 LF, Deduct	-0.84	
07 71 19 00-0129	LF >10" To 18" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat.....	110.54	3.16
	For Up To 25 LF, Add	14.87	
	For >25 To 100 LF, Add	7.44	
	For >1,000 LF, Deduct	-0.95	
07 71 19 00-0130	22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat (07 71 19 00-0121)		
07 71 19 00-0131	LF 4" To 6" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat.....	68.06	2.32
	For Up To 25 LF, Add	9.64	
	For >25 To 100 LF, Add	4.82	
	For >1,000 LF, Deduct	-0.71	
07 71 19 00-0132	LF >6" To 10" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat.....	89.67	2.77
	For Up To 25 LF, Add	12.32	
	For >25 To 100 LF, Add	6.16	
	For >1,000 LF, Deduct	-0.84	
07 71 19 00-0133	LF >10" To 18" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat.....	131.48	3.16
	For Up To 25 LF, Add	16.96	
	For >25 To 100 LF, Add	8.48	
	For >1,000 LF, Deduct	-0.95	
07 71 19 00-0134	Galvanized Steel Gravel Stop (07 71 19 00-0001)		
07 71 19 00-0135	Galvanized Steel Gravel Stop (07 71 19 00-0134)		
07 71 19 00-0136	KYNAR 500® Finish, Galvanized Steel Gravel Stop (07 71 19 00-0135)		
07 71 19 00-0137	24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop (07 71 19 00-0136)		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0138	LF	4" To 6" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop..... For Up To 25 LF, Add For >25 To 100 LF, Add For >1,000 LF, Deduct	38.70 6.45 3.23 -0.65	2.19
07 71 19 00-0139	LF	>6" To 10" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop..... For Up To 25 LF, Add For >25 To 100 LF, Add For >1,000 LF, Deduct	40.09 7.06 3.53 -0.76	2.58
07 71 19 00-0140	LF	>10" To 18" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop..... For Up To 25 LF, Add For >25 To 100 LF, Add For >1,000 LF, Deduct	41.75 7.63 3.82 -0.86	2.83
07 71 19 00-0141		Galvanized Steel Gravel Stop System With Continuous Cleat (07 71 19 00-0134) Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0142		KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat (07 71 19 00-0141)		
07 71 19 00-0143		24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat (07 71 19 00-0142)		
07 71 19 00-0144	LF	4" To 6" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat..... For Up To 25 LF, Add For >25 To 100 LF, Add For >1,000 LF, Deduct	44.23 7.26 3.63 -0.71	2.32
07 71 19 00-0145	LF	>6" To 10" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat..... For Up To 25 LF, Add For >25 To 100 LF, Add For >1,000 LF, Deduct	47.25 8.08 4.04 -0.84	2.77
07 71 19 00-0146	LF	>10" To 18" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat..... For Up To 25 LF, Add For >25 To 100 LF, Add For >1,000 LF, Deduct	50.93 8.91 4.45 -0.95	3.16
07 71 19 00-0147		Copper Gravel Stop (07 71 19 00-0001)		
07 71 19 00-0148		Copper Gravel Stop (07 71 19 00-0147)		
07 71 19 00-0149		20 Ounce, Copper Gravel Stop (07 71 19 00-0148)		
07 71 19 00-0150	LF	4" To 6" Face Height, 20 Ounce, Copper Gravel Stop..... For Up To 25 LF, Add For >25 To 100 LF, Add For >1,000 LF, Deduct	64.59 9.04 4.52 -0.65	2.19
07 71 19 00-0151	LF	>6" To 10" Face Height, 20 Ounce, Copper Gravel Stop..... For Up To 25 LF, Add For >25 To 100 LF, Add For >1,000 LF, Deduct	73.98 10.45 5.22 -0.76	2.58
07 71 19 00-0152	LF	>10" To 18" Face Height, 20 Ounce, Copper Gravel Stop..... For Up To 25 LF, Add For >25 To 100 LF, Add For >1,000 LF, Deduct	85.45 12.00 6.00 -0.86	2.83
07 71 19 00-0153		16 Ounce, Copper Gravel Stop (07 71 19 00-0148)		
07 71 19 00-0154	LF	4" To 6" Face Height, 16 Ounce, Copper Gravel Stop..... For Up To 25 LF, Add For >25 To 100 LF, Add For >1,000 LF, Deduct	78.39 10.42 5.21 -0.65	2.19
07 71 19 00-0155	LF	>6" To 10" Face Height, 16 Ounce, Copper Gravel Stop..... For Up To 25 LF, Add For >25 To 100 LF, Add For >1,000 LF, Deduct	90.84 12.13 6.07 -0.76	2.58
07 71 19 00-0156	LF	>10" To 18" Face Height, 16 Ounce, Copper Gravel Stop..... For Up To 25 LF, Add For >25 To 100 LF, Add For >1,000 LF, Deduct	103.84 13.84 6.92 -0.86	2.83
07 71 19 00-0157		Copper Gravel Stop System With Continuous Cleat (07 71 19 00-0147) Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0158		20 Ounce, Copper Gravel Stop System With Continuous Cleat (07 71 19 00-0157)		
07 71 19 00-0159	LF	4" To 6" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat..... For Up To 25 LF, Add For >25 To 100 LF, Add For >1,000 LF, Deduct	67.23 9.56 4.78 -0.71	2.32
07 71 19 00-0160	LF	>6" To 10" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat..... For Up To 25 LF, Add For >25 To 100 LF, Add For >1,000 LF, Deduct	77.34 11.09 5.54 -0.84	2.77
07 71 19 00-0161	LF	>10" To 18" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat..... For Up To 25 LF, Add For >25 To 100 LF, Add For >1,000 LF, Deduct	89.72 12.79 6.39 -0.95	3.16

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 71 Roof Specialties

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 71 19 00-0162	16 Ounce, Copper Gravel Stop System With Continuous Cleat ^(07 71 19 00-0157)		
07 71 19 00-0163	LF 4" To 6" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat	81.02	2.32
	For Up To 25 LF, Add	10.94	
	For >25 To 100 LF, Add	5.47	
	For >1,000 LF, Deduct	-0.71	
07 71 19 00-0164	LF >6" To 10" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat	94.20	2.77
	For Up To 25 LF, Add	12.77	
	For >25 To 100 LF, Add	6.39	
	For >1,000 LF, Deduct	-0.84	
07 71 19 00-0165	LF >10" To 18" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat	108.11	3.16
	For Up To 25 LF, Add	14.63	
	For >25 To 100 LF, Add	7.31	
	For >1,000 LF, Deduct	-0.95	
07 71 19 00-0166	Fascia ^(07 71 19)		
07 71 19 00-0167	Snap-On Cover Fascia ^(07 71 19 00-0166)		
	Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0168	Galvanized Steel Snap-On Cover Fascia ^(07 71 19 00-0167)		
07 71 19 00-0169	KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia ^(07 71 19 00-0168)		
07 71 19 00-0170	24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia ^(07 71 19 00-0169)		
07 71 19 00-0171	LF 3" To 5" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat	47.26	3.23
	For Up To 25 LF, Add	7.31	
	For >25 To 100 LF, Add	3.65	
	For >1,000 LF, Deduct	-0.65	
07 71 19 00-0172	LF >5" To 7" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat	53.15	3.36
	For Up To 25 LF, Add	8.00	
	For >25 To 100 LF, Add	4.00	
	For >1,000 LF, Deduct	-0.67	
07 71 19 00-0173	LF >7" To 9" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat	56.92	3.48
	For Up To 25 LF, Add	8.48	
	For >25 To 100 LF, Add	4.24	
	For >1,000 LF, Deduct	-0.70	
07 71 19 00-0174	Accessories For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems ^(07 71 19 00-0169)		
07 71 19 00-0175	Fascia Sumps For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems ^(07 71 19 00-0174)		
07 71 19 00-0176	EA Fascia Sump For 3" To 5" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	327.92	4.52
07 71 19 00-0177	EA Fascia Sump For >5" To 7" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	350.23	4.52
07 71 19 00-0178	EA Fascia Sump For >7" To 9" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	364.24	4.52
07 71 19 00-0179	Fascia Spillout Scuppers For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems ^(07 71 19 00-0174)		
07 71 19 00-0180	EA Fascia Spillout Scupper For 3" To 5" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	267.17	4.52
07 71 19 00-0181	EA Fascia Spillout Scupper For >5" To 7" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	278.43	4.52
07 71 19 00-0182	EA Fascia Spillout Scupper For >7" To 9" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	285.29	4.52
07 71 19 00-0183	Aluminum Snap-On Cover Fascia ^(07 71 19 00-0167)		
07 71 19 00-0184	KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat ^(07 71 19 00-0183)		
07 71 19 00-0185	0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat ^(07 71 19 00-0184)		
07 71 19 00-0186	LF 3" To 5" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	26.87	3.23
	For Up To 25 LF, Add	5.27	
	For >25 To 100 LF, Add	2.63	
	For >1,000 LF, Deduct	-0.65	
07 71 19 00-0187	LF >5" To 7" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	30.35	3.36
	For Up To 25 LF, Add	5.72	
	For >25 To 100 LF, Add	2.86	
	For >1,000 LF, Deduct	-0.67	
07 71 19 00-0188	LF >7" To 9" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	32.19	3.48
	For Up To 25 LF, Add	6.01	
	For >25 To 100 LF, Add	3.00	
	For >1,000 LF, Deduct	-0.70	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0189		0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat (07 71 19 00-0184)		
07 71 19 00-0190	LF	3" To 5" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	28.20	3.23
		For Up To 25 LF, Add.....	5.40	
		For >25 To 100 LF, Add.....	2.70	
		For >1,000 LF, Deduct.....	-0.65	
07 71 19 00-0191	LF	>5" To 7" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	32.07	3.36
		For Up To 25 LF, Add.....	5.89	
		For >25 To 100 LF, Add.....	2.95	
		For >1,000 LF, Deduct.....	-0.67	
07 71 19 00-0192	LF	>7" To 9" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	34.12	3.48
		For Up To 25 LF, Add.....	6.20	
		For >25 To 100 LF, Add.....	3.10	
		For >1,000 LF, Deduct.....	-0.70	
07 71 19 00-0193		Accessories For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems (07 71 19 00-0184)		
07 71 19 00-0194		Fascia Sumps For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems (07 71 19 00-0193)		
07 71 19 00-0195	EA	Fascia Sump For 3" To 5" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems.....	171.53	4.52
07 71 19 00-0196	EA	Fascia Sump For >5" To 7" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems.....	185.97	4.52
07 71 19 00-0197	EA	Fascia Sump For >7" To 9" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems.....	192.28	4.52
07 71 19 00-0198		Fascia Spillout Scuppers For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems (07 71 19 00-0193)		
07 71 19 00-0199	EA	Fascia Spillout Scupper For 3" To 5" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems.....	135.96	4.52
07 71 19 00-0200	EA	Fascia Spillout Scupper For >5" To 7" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems.....	143.14	4.52
07 71 19 00-0201	EA	Fascia Spillout Scupper For >7" To 9" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems.....	146.29	4.52
07 71 19 00-0202		Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat (07 71 19 00-0183)		
07 71 19 00-0203		0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat (07 71 19 00-0202)		
07 71 19 00-0204	LF	3" To 5" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	30.95	3.23
		For Up To 25 LF, Add.....	5.68	
		For >25 To 100 LF, Add.....	2.84	
		For >1,000 LF, Deduct.....	-0.65	
07 71 19 00-0205	LF	>5" To 7" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	35.08	3.36
		For Up To 25 LF, Add.....	6.19	
		For >25 To 100 LF, Add.....	3.10	
		For >1,000 LF, Deduct.....	-0.67	
07 71 19 00-0206	LF	>7" To 9" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	37.24	3.48
		For Up To 25 LF, Add.....	6.51	
		For >25 To 100 LF, Add.....	3.26	
		For >1,000 LF, Deduct.....	-0.70	
07 71 19 00-0207		0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat (07 71 19 00-0202)		
07 71 19 00-0208	LF	3" To 5" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	32.56	3.23
		For Up To 25 LF, Add.....	5.84	
		For >25 To 100 LF, Add.....	2.92	
		For >1,000 LF, Deduct.....	-0.65	
07 71 19 00-0209	LF	>5" To 7" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	37.14	3.36
		For Up To 25 LF, Add.....	6.40	
		For >25 To 100 LF, Add.....	3.20	
		For >1,000 LF, Deduct.....	-0.67	
07 71 19 00-0210	LF	>7" To 9" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	39.55	3.48
		For Up To 25 LF, Add.....	6.74	
		For >25 To 100 LF, Add.....	3.37	
		For >1,000 LF, Deduct.....	-0.70	
07 71 19 00-0211		Accessories For Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems (07 71 19 00-0202)		
07 71 19 00-0212		Fascia Sumps For Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems (07 71 19 00-0211)		

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 71 Roof Specialties

MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 71 19 00-0213	EA	Fascia Sump For 3" To 5" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems.....	212.16	4.52
07 71 19 00-0214	EA	Fascia Sump For >5" To 7" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems.....	230.20	4.52
07 71 19 00-0215	EA	Fascia Sump For >7" To 9" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems.....	238.09	4.52

07 71 19 00-0216 Fascia Spillout Scuppers For Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems (07 71 19 00-0211)

07 71 19 00-0217	EA	Fascia Spillout Scupper For 3" To 5" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems.....	167.69	4.52
07 71 19 00-0218	EA	Fascia Spillout Scupper For >5" To 7" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems.....	176.67	4.52
07 71 19 00-0219	EA	Fascia Spillout Scupper For >7" To 9" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems.....	180.60	4.52

07 71 23 Manufactured Gutters and Downspouts (07 71)

Note: Includes all necessary support straps.

07 71 23 00-0001 Aluminum Gutters And Downspouts (07 71 23)

07 71 23 00-0002 Aluminum Gutters (07 71 23 00-0001)

Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.

07 71 23 00-0003 K-Style Aluminum Gutters (07 71 23 00-0002)

07 71 23 00-0004	LF	5", 0.027" Thick, K-Style Aluminum Gutter	14.17	6.54
		For Up To 100', Add	3.03	
		For >100' To 250', Add	1.25	
		For >1,000', Deduct	-1.08	
		For Kynar 500® Finish, Add	1.53	
07 71 23 00-0005	LF	6", 0.027" Thick, K-Style Aluminum Gutter	15.63	6.89
		For Up To 100', Add	3.26	
		For >100' To 250', Add	1.35	
		For >1,000', Deduct	-1.13	
		For Kynar 500® Finish, Add	1.94	
07 71 23 00-0006	LF	5", 0.032" Thick, K-Style Aluminum Gutter	14.66	6.54
		For Up To 100', Add	3.08	
		For >100' To 250', Add	1.27	
		For >1,000', Deduct	-1.08	
		For Kynar 500® Finish, Add	1.75	
07 71 23 00-0007	LF	6", 0.032" Thick, K-Style Aluminum Gutter	16.26	6.89
		For Up To 100', Add	3.32	
		For >100' To 250', Add	1.38	
		For >1,000', Deduct	-1.13	
		For Kynar 500® Finish, Add	2.23	
07 71 23 00-0008	LF	7", 0.032" Thick, K-Style Aluminum Gutter	28.20	7.24
		For Up To 100', Add	4.65	
		For >100' To 250', Add	2.02	
		For >1,000', Deduct	-1.22	
		For Kynar 500® Finish, Add	7.20	
07 71 23 00-0009	LF	8", 0.032" Thick, K-Style Aluminum Gutter	30.93	8.13
		For Up To 100', Add	5.11	
		For >100' To 250', Add	2.22	
		For >1,000', Deduct	-1.34	
		For Kynar 500® Finish, Add	7.88	
07 71 23 00-0010	LF	8", 0.040" Thick, K-Style Aluminum Gutter	34.31	8.13
		For Up To 100', Add	5.45	
		For >100' To 250', Add	2.39	
		For >1,000', Deduct	-1.34	
		For Kynar 500® Finish, Add	9.40	

07 71 23 00-0011 Half Round Aluminum Gutters (07 71 23 00-0002)

07 71 23 00-0012	LF	5", 0.027" Thick, Half Round Aluminum Gutter	23.95	6.54
		For Up To 100', Add	4.01	
		For >100' To 250', Add	1.74	
		For >1,000', Deduct	-1.08	
		For Kynar 500® Finish, Add	5.93	
07 71 23 00-0013	LF	6", 0.032" Thick, Half Round Aluminum Gutter	28.46	6.89
		For Up To 100', Add	4.54	
		For >100' To 250', Add	1.99	
		For >1,000', Deduct	-1.13	
		For Kynar 500® Finish, Add	7.72	

07 71 23 00-0014 Box Style Aluminum Gutters (07 71 23 00-0002)

07 71 23 00-0015	LF	6", 0.027" Thick, Box Style Aluminum Gutter	25.65	8.13
		For Up To 100', Add	4.58	
		For >100' To 250', Add	1.95	
		For >1,000', Deduct	-1.34	
		For Kynar 500® Finish, Add	5.50	
07 71 23 00-0016	LF	6", 0.032" Thick, Box Style Aluminum Gutter	25.71	8.13
		For Up To 100', Add	4.59	
		For >100' To 250', Add	1.96	
		For >1,000', Deduct	-1.34	
		For Kynar 500® Finish, Add	5.53	
07 71 23 00-0017	LF	7", 0.032" Thick, Box Style Aluminum Gutter	29.62	8.66
		For Up To 100', Add	5.11	
		For >100' To 250', Add	2.20	
		For >1,000', Deduct	-1.43	
		For Kynar 500® Finish, Add	6.89	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0018	LF		8", 0.032" Thick, Box Style Aluminum Gutter.....	33.22	9.19
			For Up To 100', Add	5.60	
			For >100' To 250', Add	2.42	
			For >1,000', Deduct	-1.52	
			For Kynar 500® Finish, Add	8.11	
07 71 23 00-0019			Aluminum Gutter End Caps (07 71 23 00-0001)		
07 71 23 00-0020			K-Style, Aluminum Gutter End Caps (07 71 23 00-0019)		
07 71 23 00-0021	EA		5", K-Style Aluminum Gutter End Cap	4.72	
			For Kynar 500® Finish, Add	0.53	
07 71 23 00-0022	EA		6", K-Style Aluminum Gutter End Cap	5.68	
			For Kynar 500® Finish, Add	0.96	
07 71 23 00-0023	EA		7", K-Style Aluminum Gutter End Cap	11.50	
			For Kynar 500® Finish, Add	3.58	
07 71 23 00-0024	EA		8", K-Style Aluminum Gutter End Cap	13.28	
			For Kynar 500® Finish, Add	4.38	
07 71 23 00-0025			Half Round, Aluminum Gutter End Caps (07 71 23 00-0019)		
07 71 23 00-0026	EA		5", Half Round Aluminum Gutter End Cap	7.17	
			For Kynar 500® Finish, Add	1.63	
07 71 23 00-0027	EA		6", Half Round Aluminum Gutter End Cap	10.70	
			For Kynar 500® Finish, Add	3.22	
07 71 23 00-0028			Box Style, Aluminum Gutter End Caps (07 71 23 00-0019)		
07 71 23 00-0029	EA		6", Box Style Aluminum Gutter End Cap	12.48	
			For Kynar 500® Finish, Add	4.02	
07 71 23 00-0030	EA		7", Box Style Aluminum Gutter End Cap	13.51	
			For Kynar 500® Finish, Add	4.49	
07 71 23 00-0031	EA		8", Box Style Aluminum Gutter End Cap	15.73	
			For Kynar 500® Finish, Add	5.49	
07 71 23 00-0032			Aluminum Gutter Miters (07 71 23 00-0001)		
			Note: Inside or outside miters.		
07 71 23 00-0033			K-Style, Aluminum Gutter Miters (07 71 23 00-0032)		
07 71 23 00-0034	EA		5", K-Style Aluminum Gutter Miter	27.17	
			For Kynar 500® Finish, Add	4.19	
07 71 23 00-0035	EA		6", K-Style Aluminum Gutter Miter	35.23	
			For Kynar 500® Finish, Add	7.26	
07 71 23 00-0036	EA		7", K-Style Aluminum Gutter Miter	97.96	
			For Kynar 500® Finish, Add	34.93	
07 71 23 00-0037	EA		8", K-Style Aluminum Gutter Miter	106.27	
			For Kynar 500® Finish, Add	38.04	
07 71 23 00-0038			Half Round, Aluminum Gutter Miters (07 71 23 00-0032)		
07 71 23 00-0039	EA		5", Half Round Aluminum Gutter Miter	44.28	
			For Kynar 500® Finish, Add	11.89	
07 71 23 00-0040	EA		6", Half Round Aluminum Gutter Miter	67.77	
			For Kynar 500® Finish, Add	21.90	
07 71 23 00-0041			Box Style, Aluminum Gutter Miters (07 71 23 00-0032)		
07 71 23 00-0042	EA		6", Box Style Aluminum Gutter Miter	79.94	
			For Kynar 500® Finish, Add	27.38	
07 71 23 00-0043	EA		7", Box Style Aluminum Gutter Miter	117.38	
			For Kynar 500® Finish, Add	43.67	
07 71 23 00-0044	EA		8", Box Style Aluminum Gutter Miter	127.40	
			For Kynar 500® Finish, Add	47.55	
07 71 23 00-0045			Aluminum Gutter Wire Strainers (07 71 23 00-0001)		
07 71 23 00-0046	EA		3" Diameter, Round Aluminum Wire Strainer	18.76	4.42
			For Kynar 500® Finish, Add	4.30	
			For 0.024" Thick, Add	1.34	
			For 0.027" Thick, Add	2.77	
			For 0.031" Thick, Add	4.01	
07 71 23 00-0047	EA		4" Diameter, Round Aluminum Wire Strainer	26.80	4.42
			For Kynar 500® Finish, Add	7.92	
			For 0.024" Thick, Add	2.46	
			For 0.027" Thick, Add	5.10	
			For 0.031" Thick, Add	7.39	
07 71 23 00-0048			Aluminum Downspouts (07 71 23 00-0001)		
			Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0049			Round Aluminum Downspouts (07 71 23 00-0048)		

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 71 Roof Specialties

MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 71 23 00-0050	LF	3" Diameter, 0.019" Thick, Round Aluminum Downspout.....	9.25	4.24
		<i>For Up To 100', Add</i>	1.62	
		<i>For >100 To 250', Add</i>	0.69	
		<i>For >1,000', Deduct</i>	-0.46	
		<i>For Kynar 500® Finish, Add</i>	2.09	
		<i>For 0.024" Thick, Add</i>	0.65	
		<i>For 0.027" Thick, Add</i>	1.35	
		<i>For 0.031" Thick, Add</i>	1.95	
07 71 23 00-0051	LF	4" Diameter, 0.019" Thick, Round Aluminum Downspout.....	10.34	4.24
		<i>For Up To 100', Add</i>	1.72	
		<i>For >100 To 250', Add</i>	0.75	
		<i>For >1,000', Deduct</i>	-0.46	
		<i>For Kynar 500® Finish, Add</i>	2.58	
		<i>For 0.024" Thick, Add</i>	0.80	
		<i>For 0.027" Thick, Add</i>	1.66	
		<i>For 0.031" Thick, Add</i>	2.41	

07 71 23 00-0052 Rectangular Aluminum Downspouts (07 71 23 00-0048)

07 71 23 00-0053	LF	2" x 3", 0.019" Thick, Rectangular Aluminum Downspout.....	6.98	4.24
		<i>For Up To 100', Add</i>	1.39	
		<i>For >100 To 250', Add</i>	0.58	
		<i>For >1,000', Deduct</i>	-0.46	
		<i>For Kynar 500® Finish, Add</i>	1.07	
		<i>For 0.024" Thick, Add</i>	0.33	
		<i>For 0.027" Thick, Add</i>	0.69	
		<i>For 0.031" Thick, Add</i>	1.00	
07 71 23 00-0054	LF	3" x 4", 0.019" Thick, Rectangular Aluminum Downspout.....	8.37	4.24
		<i>For Up To 100', Add</i>	1.53	
		<i>For >100 To 250', Add</i>	0.65	
		<i>For >1,000', Deduct</i>	-0.46	
		<i>For Kynar 500® Finish, Add</i>	1.70	
		<i>For 0.024" Thick, Add</i>	0.53	
		<i>For 0.027" Thick, Add</i>	1.09	
		<i>For 0.031" Thick, Add</i>	1.58	
07 71 23 00-0055	LF	4" x 5", 0.019" Thick, Rectangular Aluminum Downspout.....	14.20	4.24
		<i>For Up To 100', Add</i>	2.11	
		<i>For >100 To 250', Add</i>	0.94	
		<i>For >1,000', Deduct</i>	-0.46	
		<i>For Kynar 500® Finish, Add</i>	4.32	
		<i>For 0.024" Thick, Add</i>	1.34	
		<i>For 0.027" Thick, Add</i>	2.78	
		<i>For 0.031" Thick, Add</i>	4.03	

07 71 23 00-0056 Aluminum Devices (07 71 23 00-0001)

07 71 23 00-0057	EA	Thru-Wall Aluminum Scupper Outlet.....	274.16	28.88
		<i>For Kynar 500® Finish, Add</i>	80.05	
07 71 23 00-0058	EA	Aluminum Leader/Conductor Head.....	266.40	32.09
		<i>For Kynar 500® Finish, Add</i>	91.00	

07 71 23 00-0059 Copper Gutters And Downspouts (07 71 23)

07 71 23 00-0060 Copper Gutters (07 71 23 00-0059)

Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.

07 71 23 00-0061 K-Style Copper Gutters (07 71 23 00-0060)

07 71 23 00-0062	LF	4", 16 Ounce, K-Style Copper Gutter.....	21.17	6.19
		<i>For Up To 100', Add</i>	3.66	
		<i>For >100' To 250', Add</i>	1.57	
		<i>For >1,000', Deduct</i>	-1.03	
07 71 23 00-0063	LF	5", 16 Ounce, K-Style Copper Gutter.....	28.50	6.54
		<i>For Up To 100', Add</i>	4.47	
		<i>For >100' To 250', Add</i>	1.96	
		<i>For >1,000', Deduct</i>	-1.08	
07 71 23 00-0064	LF	6", 16 Ounce, K-Style Copper Gutter.....	33.38	6.89
		<i>For Up To 100', Add</i>	5.03	
		<i>For >100' To 250', Add</i>	2.23	
		<i>For >1,000', Deduct</i>	-1.13	
07 71 23 00-0065	LF	5", 20 Ounce, K-Style Copper Gutter.....	34.87	6.54
		<i>For Up To 100', Add</i>	5.10	
		<i>For >100' To 250', Add</i>	2.28	
		<i>For >1,000', Deduct</i>	-1.08	
07 71 23 00-0066	LF	6", 20 Ounce, K-Style Copper Gutter.....	42.40	6.89
		<i>For Up To 100', Add</i>	5.94	
		<i>For >100' To 250', Add</i>	2.69	
		<i>For >1,000', Deduct</i>	-1.13	
07 71 23 00-0067	LF	7", 20 Ounce, K-Style Copper Gutter.....	49.17	7.24
		<i>For Up To 100', Add</i>	6.75	
		<i>For >100' To 250', Add</i>	3.07	
		<i>For >1,000', Deduct</i>	-1.22	
07 71 23 00-0068	LF	8", 20 Ounce, K-Style Copper Gutter.....	54.61	8.13
		<i>For Up To 100', Add</i>	7.48	
		<i>For >100' To 250', Add</i>	3.40	
		<i>For >1,000', Deduct</i>	-1.34	

07 71 23 00-0069 Half Round Copper Gutters (07 71 23 00-0060)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0070	LF	5", 16 Ounce, Half Round Copper Gutter	25.18	6.54	
		For Up To 100', Add	4.14		
		For >100' To 250', Add	1.80		
		For >1,000', Deduct	-1.08		
07 71 23 00-0071	LF	6", 16 Ounce, Half Round Copper Gutter	30.91	6.89	
		For Up To 100', Add	4.79		
		For >100' To 250', Add	2.11		
		For >1,000', Deduct	-1.13		
07 71 23 00-0072	LF	7", 16 Ounce, Half Round Copper Gutter	49.09	7.24	
		For Up To 100', Add	6.74		
		For >100' To 250', Add	3.06		
		For >1,000', Deduct	-1.22		
07 71 23 00-0073	LF	5", 20 Ounce, Half Round Copper Gutter	28.66	6.54	
		For Up To 100', Add	4.48		
		For >100' To 250', Add	1.97		
		For >1,000', Deduct	-1.08		
07 71 23 00-0074	LF	6", 20 Ounce, Half Round Copper Gutter	34.60	6.89	
		For Up To 100', Add	5.16		
		For >100' To 250', Add	2.30		
		For >1,000', Deduct	-1.13		
07 71 23 00-0075	LF	7", 20 Ounce, Half Round Copper Gutter	51.35	7.24	
		For Up To 100', Add	6.96		
		For >100' To 250', Add	3.18		
		For >1,000', Deduct	-1.22		
07 71 23 00-0076	LF	8", 20 Ounce, Half Round Copper Gutter	58.17	8.13	
		For Up To 100', Add	7.83		
		For >100' To 250', Add	3.58		
		For >1,000', Deduct	-1.34		
07 71 23 00-0077 Box Style Copper Gutters (07 71 23 00-0060)					
07 71 23 00-0078	LF	5", 16 Ounce, Box Style Copper Gutter	28.55	7.42	
		For Up To 100', Add	4.71		
		For >100' To 250', Add	2.05		
		For >1,000', Deduct	-1.24		
07 71 23 00-0079	LF	6", 16 Ounce, Box Style Copper Gutter	30.67	8.13	
		For Up To 100', Add	5.08		
		For >100' To 250', Add	2.21		
		For >1,000', Deduct	-1.34		
07 71 23 00-0080	LF	7", 16 Ounce, Box Style Copper Gutter	36.37	8.66	
		For Up To 100', Add	5.78		
		For >100' To 250', Add	2.53		
		For >1,000', Deduct	-1.43		
07 71 23 00-0081	LF	8", 16 Ounce, Box Style Copper Gutter	37.40	9.19	
		For Up To 100', Add	6.02		
		For >100' To 250', Add	2.63		
		For >1,000', Deduct	-1.52		
07 71 23 00-0082	LF	5", 20 Ounce, Box Style Copper Gutter	31.94	7.42	
		For Up To 100', Add	5.05		
		For >100' To 250', Add	2.22		
		For >1,000', Deduct	-1.24		
07 71 23 00-0083	LF	6", 20 Ounce, Box Style Copper Gutter	34.07	8.13	
		For Up To 100', Add	5.42		
		For >100' To 250', Add	2.38		
		For >1,000', Deduct	-1.34		
07 71 23 00-0084	LF	7", 20 Ounce, Box Style Copper Gutter	39.77	8.66	
		For Up To 100', Add	6.12		
		For >100' To 250', Add	2.70		
		For >1,000', Deduct	-1.43		
07 71 23 00-0085	LF	8", 20 Ounce, Box Style Copper Gutter	40.79	9.19	
		For Up To 100', Add	6.36		
		For >100' To 250', Add	2.80		
		For >1,000', Deduct	-1.52		
07 71 23 00-0086 Copper Gutter End Caps (07 71 23 00-0059)					
07 71 23 00-0087	K-Style, Copper Gutter End Caps (07 71 23 00-0086)				
07 71 23 00-0088	EA	4", K-Style Copper Gutter End Cap	7.30		
07 71 23 00-0089	EA	5", K-Style Copper Gutter End Cap	7.72		
07 71 23 00-0090	EA	6", K-Style Copper Gutter End Cap	8.13		
07 71 23 00-0091	EA	7", K-Style Copper Gutter End Cap	19.26		
07 71 23 00-0092	EA	8", K-Style Copper Gutter End Cap	23.16		
07 71 23 00-0093 Half Round, Copper Gutter End Caps (07 71 23 00-0086)					
07 71 23 00-0094	EA	4", Half Round Copper Gutter End Cap	8.53		
07 71 23 00-0095	EA	5", Half Round Copper Gutter End Cap	9.41		
07 71 23 00-0096	EA	6", Half Round Copper Gutter End Cap	13.49		
07 71 23 00-0097	EA	7", Half Round Copper Gutter End Cap	37.72		
07 71 23 00-0098	EA	8", Half Round Copper Gutter End Cap	44.29		
07 71 23 00-0099 Box Style, Copper Gutter End Caps (07 71 23 00-0086)					
07 71 23 00-0100	EA	5", Box Style Copper Gutter End Cap	15.09		
07 71 23 00-0101	EA	6", Box Style Copper Gutter End Cap	15.77		
07 71 23 00-0102	EA	7", Box Style Copper Gutter End Cap	16.44		
07 71 23 00-0103	EA	8", Box Style Copper Gutter End Cap	17.80		

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 71 Roof Specialties

MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 71 23 00-0104	Copper Gutter Miters (07 71 23 00-0059) Note: Inside or outside miters.		
07 71 23 00-0105	K-Style, Copper Gutter Miters (07 71 23 00-0104)		
07 71 23 00-0106	EA 4", K-Style Copper Gutter Miter	44.49	
07 71 23 00-0107	EA 5", K-Style Copper Gutter Miter	50.01	
07 71 23 00-0108	EA 6", K-Style Copper Gutter Miter	69.34	
07 71 23 00-0109	EA 7", K-Style Copper Gutter Miter	95.41	
07 71 23 00-0110	EA 8", K-Style Copper Gutter Miter	111.08	
07 71 23 00-0111	Half Round, Copper Gutter Miters (07 71 23 00-0104)		
07 71 23 00-0112	EA 4", Half Round Copper Gutter Miter	65.73	
07 71 23 00-0113	EA 5", Half Round Copper Gutter Miter	61.78	
07 71 23 00-0114	EA 6", Half Round Copper Gutter Miter	86.37	
07 71 23 00-0115	EA 7", Half Round Copper Gutter Miter	102.02	
07 71 23 00-0116	EA 8", Half Round Copper Gutter Miter	119.64	
07 71 23 00-0117	Box Style, Copper Gutter Miters (07 71 23 00-0104)		
07 71 23 00-0118	EA 5", 16 Ounce Box Style Copper Gutter Miter	72.12	
07 71 23 00-0119	EA 6", 16 Ounce Box Style Copper Gutter Miter	74.73	
07 71 23 00-0120	EA 7", 16 Ounce Box Style Copper Gutter Miter	81.39	
07 71 23 00-0121	EA 8", 16 Ounce Box Style Copper Gutter Miter	83.42	
07 71 23 00-0122	EA 5", 20 Ounce Box Style Copper Gutter Miter	78.91	
07 71 23 00-0123	EA 6", 20 Ounce Box Style Copper Gutter Miter	81.52	
07 71 23 00-0124	EA 7", 20 Ounce Box Style Copper Gutter Miter	88.18	
07 71 23 00-0125	EA 8", 20 Ounce Box Style Copper Gutter Miter	96.38	
07 71 23 00-0126	Copper Gutter Wire Strainers (07 71 23 00-0059)		
07 71 23 00-0127	EA 2" Diameter, Round Copper Wire Strainer	23.65	4.42
07 71 23 00-0128	EA 3" Diameter, Round Copper Wire Strainer	28.40	4.42
07 71 23 00-0129	EA 4" Diameter, Round Copper Wire Strainer	43.89	4.42
07 71 23 00-0130	EA 5" Diameter, Round Copper Wire Strainer	57.39	4.42
07 71 23 00-0131	EA 6" Diameter, Round Copper Wire Strainer	68.69	4.42
07 71 23 00-0132	Copper Downspouts (07 71 23 00-0059) Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0133	Round Copper Downspouts (07 71 23 00-0132)		
07 71 23 00-0134	LF 2" Diameter, 16 Ounce, Round Copper Downspout	26.14	4.24
	For Up To 100', Add	3.30	
	For >100 To 250', Add	1.54	
	For >1,000', Deduct	-0.46	
07 71 23 00-0135	LF 3" Diameter, 16 Ounce, Round Copper Downspout	18.79	4.24
	For Up To 100', Add	2.57	
	For >100 To 250', Add	1.17	
	For >1,000', Deduct	-0.46	
07 71 23 00-0136	LF 4" Diameter, 16 Ounce, Round Copper Downspout	23.18	4.24
	For Up To 100', Add	3.01	
	For >100 To 250', Add	1.39	
	For >1,000', Deduct	-0.46	
07 71 23 00-0137	LF 5" Diameter, 16 Ounce, Round Copper Downspout	35.90	4.24
	For Up To 100', Add	4.28	
	For >100 To 250', Add	2.03	
	For >1,000', Deduct	-0.46	
07 71 23 00-0138	LF 6" Diameter, 16 Ounce, Round Copper Downspout	45.61	4.24
	For Up To 100', Add	5.25	
	For >100 To 250', Add	2.51	
	For >1,000', Deduct	-0.46	
07 71 23 00-0139	LF 3" Diameter, 20 Ounce, Round Copper Downspout	24.74	4.24
	For Up To 100', Add	3.16	
	For >100 To 250', Add	1.47	
	For >1,000', Deduct	-0.46	
07 71 23 00-0140	LF 4" Diameter, 20 Ounce, Round Copper Downspout	31.53	4.24
	For Up To 100', Add	3.84	
	For >100 To 250', Add	1.81	
	For >1,000', Deduct	-0.46	
07 71 23 00-0141	LF 5" Diameter, 20 Ounce, Round Copper Downspout	46.94	4.24
	For Up To 100', Add	5.38	
	For >100 To 250', Add	2.58	
	For >1,000', Deduct	-0.46	
07 71 23 00-0142	Square Copper Downspouts (07 71 23 00-0132)		
07 71 23 00-0143	LF 3" Diameter, 16 Ounce, Square Copper Downspout	13.60	4.24
	For Up To 100', Add	2.05	
	For >100 To 250', Add	0.91	
	For >1,000', Deduct	-0.46	
07 71 23 00-0144	LF 4" Diameter, 16 Ounce, Square Copper Downspout	16.52	4.24
	For Up To 100', Add	2.34	
	For >100 To 250', Add	1.06	
	For >1,000', Deduct	-0.46	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0145	LF	5" Diameter, 16 Ounce, Square Copper Downspout	22.82	4.24	
		For Up To 100', Add	2.97		
		For >100 To 250', Add	1.37		
		For >1,000', Deduct	-0.46		
07 71 23 00-0146	LF	3" Diameter, 20 Ounce, Square Copper Downspout	15.40	4.24	
		For Up To 100', Add	2.23		
		For >100 To 250', Add	1.00		
		For >1,000', Deduct	-0.46		
07 71 23 00-0147	LF	4" Diameter, 20 Ounce, Square Copper Downspout	19.05	4.24	
		For Up To 100', Add	2.60		
		For >100 To 250', Add	1.18		
		For >1,000', Deduct	-0.46		
07 71 23 00-0148	LF	5" Diameter, 20 Ounce, Square Copper Downspout	26.53	4.24	
		For Up To 100', Add	3.34		
		For >100 To 250', Add	1.56		
		For >1,000', Deduct	-0.46		
07 71 23 00-0149 Rectangular Copper Downspouts (07 71 23 00-0132)					
07 71 23 00-0150	LF	2" x 3", 16 Ounce, Rectangular Copper Downspout	19.24	4.24	
		For Up To 100', Add	2.61		
		For >100 To 250', Add	1.19		
		For >1,000', Deduct	-0.46		
07 71 23 00-0151	LF	3" x 4", 16 Ounce, Rectangular Copper Downspout	23.83	4.24	
		For Up To 100', Add	3.07		
		For >100 To 250', Add	1.42		
		For >1,000', Deduct	-0.46		
07 71 23 00-0152	LF	4" x 5", 16 Ounce, Rectangular Copper Downspout	33.09	4.24	
		For Up To 100', Add	4.00		
		For >100 To 250', Add	1.88		
		For >1,000', Deduct	-0.46		
07 71 23 00-0153	LF	2" x 3", 20 Ounce, Rectangular Copper Downspout	22.09	4.24	
		For Up To 100', Add	2.90		
		For >100 To 250', Add	1.33		
		For >1,000', Deduct	-0.46		
07 71 23 00-0154	LF	3" x 4", 20 Ounce, Rectangular Copper Downspout	27.78	4.24	
		For Up To 100', Add	3.47		
		For >100 To 250', Add	1.62		
		For >1,000', Deduct	-0.46		
07 71 23 00-0155	LF	4" x 5", 20 Ounce, Rectangular Copper Downspout	39.05	4.24	
		For Up To 100', Add	4.60		
		For >100 To 250', Add	2.18		
		For >1,000', Deduct	-0.46		
07 71 23 00-0156 Copper Devices And Accessories (07 71 23 00-0059)					
07 71 23 00-0157	EA	Thru-Wall Copper Scupper Outlet.....	218.87	28.88	
07 71 23 00-0158	EA	Copper Leader/Conductor Head.....	297.58	32.09	
07 71 23 00-0159	EA	Copper Eave Box.....	148.37	26.52	
07 71 23 00-0160 Galvanized Steel Gutters And Downspouts (07 71 23)					
07 71 23 00-0161 Galvanized Steel Gutters (07 71 23 00-0160)					
Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.					
07 71 23 00-0162 K-Style Galvanized Steel Gutters (07 71 23 00-0161)					
07 71 23 00-0163	LF	5", 26 Gauge, K-Style Galvanized Steel Gutter	17.29	6.54	
		For Up To 100', Add	3.35		
		For >100' To 250', Add	1.40		
		For >1,000', Deduct	-1.08		
		For Kynar 500® Finish, Add	2.93		
		For 24 Gauge, Add	1.82		
		For 22 Gauge, Add	3.58		
07 71 23 00-0164	LF	6", 26 Gauge, K-Style Galvanized Steel Gutter	19.81	6.89	
		For Up To 100', Add	3.68		
		For >100' To 250', Add	1.56		
		For >1,000', Deduct	-1.13		
		For Kynar 500® Finish, Add	3.83		
		For 24 Gauge, Add	2.38		
		For 22 Gauge, Add	4.68		
07 71 23 00-0165	LF	7", 26 Gauge, K-Style Galvanized Steel Gutter	38.35	7.24	
		For Up To 100', Add	5.66		
		For >100' To 250', Add	2.53		
		For >1,000', Deduct	-1.22		
		For Kynar 500® Finish, Add	11.77		
		For 24 Gauge, Add	7.32		
		For 22 Gauge, Add	14.39		
07 71 23 00-0166	LF	8", 26 Gauge, K-Style Galvanized Steel Gutter	40.58	8.13	
		For Up To 100', Add	6.07		
		For >100' To 250', Add	2.70		
		For >1,000', Deduct	-1.34		
		For Kynar 500® Finish, Add	12.22		
		For 24 Gauge, Add	7.60		
		For 22 Gauge, Add	14.93		
07 71 23 00-0167 Half Round Galvanized Steel Gutters (07 71 23 00-0161)					

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 71 Roof Specialties

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0168	LF	5", 26 Gauge, Half Round Galvanized Steel Gutter	24.02	6.54	
		For Up To 100', Add	4.02		
		For >100' To 250', Add	1.74		
		For >1,000', Deduct	-1.08		
		For Kynar 500® Finish, Add	5.96		
		For 24 Gauge, Add	3.71		
		For 22 Gauge, Add	7.28		
07 71 23 00-0169	LF	6", 26 Gauge, Half Round Galvanized Steel Gutter	29.72	6.89	
		For Up To 100', Add	4.67		
		For >100' To 250', Add	2.05		
		For >1,000', Deduct	-1.13		
		For Kynar 500® Finish, Add	8.28		
		For 24 Gauge, Add	5.15		
		For 22 Gauge, Add	10.13		
07 71 23 00-0170	LF	7", 26 Gauge, Half Round Galvanized Steel Gutter	70.84	7.24	
		For Up To 100', Add	8.91		
		For >100' To 250', Add	4.15		
		For >1,000', Deduct	-1.22		
		For Kynar 500® Finish, Add	26.39		
		For 24 Gauge, Add	16.42		
		For 22 Gauge, Add	32.26		
07 71 23 00-0171	LF	8", 26 Gauge, Half Round Galvanized Steel Gutter	75.68	8.13	
		For Up To 100', Add	9.58		
		For >100' To 250', Add	4.46		
		For >1,000', Deduct	-1.34		
		For Kynar 500® Finish, Add	28.01		
		For 24 Gauge, Add	17.43		
		For 22 Gauge, Add	34.24		
07 71 23 00-0172 Box Style Galvanized Steel Gutters (07 71 23 00-0161)					
07 71 23 00-0173	LF	5", 24 Gauge, Box Style Galvanized Steel Gutter	28.62	7.42	
		For Up To 100', Add	4.72		
		For >100' To 250', Add	2.05		
		For >1,000', Deduct	-1.24		
		For Kynar 500® Finish, Add	7.31		
		For 22 Gauge, Add	3.57		
07 71 23 00-0174	LF	6", 24 Gauge, Box Style Galvanized Steel Gutter	33.32	8.13	
		For Up To 100', Add	5.35		
		For >100' To 250', Add	2.34		
		For >1,000', Deduct	-1.34		
		For Kynar 500® Finish, Add	8.95		
		For 22 Gauge, Add	4.38		
07 71 23 00-0175	LF	7", 24 Gauge, Box Style Galvanized Steel Gutter	40.94	7.24	
		For Up To 100', Add	5.92		
		For >100' To 250', Add	2.66		
		For >1,000', Deduct	-1.22		
		For Kynar 500® Finish, Add	12.94		
		For 22 Gauge, Add	6.33		
07 71 23 00-0176	LF	8", 24 Gauge, Box Style Galvanized Steel Gutter	45.88	9.19	
		For Up To 100', Add	6.87		
		For >100' To 250', Add	3.05		
		For >1,000', Deduct	-1.52		
		For Kynar 500® Finish, Add	13.81		
		For 22 Gauge, Add	6.75		
07 71 23 00-0177 Galvanized Steel Gutter End Caps (07 71 23 00-0160)					
07 71 23 00-0178 K-Style, Galvanized Steel Gutter End Caps (07 71 23 00-0177)					
07 71 23 00-0179	EA	5", K-Style Galvanized Steel Gutter End Cap	7.44		
		For Kynar 500® Finish, Add	1.76		
07 71 23 00-0180	EA	6", K-Style Galvanized Steel Gutter End Cap	8.47		
		For Kynar 500® Finish, Add	2.22		
07 71 23 00-0181	EA	7", K-Style Galvanized Steel Gutter End Cap	17.58		
		For Kynar 500® Finish, Add	6.32		
07 71 23 00-0182	EA	8", K-Style Galvanized Steel Gutter End Cap	25.19		
		For Kynar 500® Finish, Add	9.74		
07 71 23 00-0183 Half Round, Galvanized Steel Gutter End Caps (07 71 23 00-0177)					
07 71 23 00-0184	EA	5", Half Round Galvanized Steel Gutter End Cap	9.37		
		For Kynar 500® Finish, Add	2.62		
07 71 23 00-0185	EA	6", Half Round Galvanized Steel Gutter End Cap	10.68		
		For Kynar 500® Finish, Add	3.21		
07 71 23 00-0186	EA	7", Half Round Galvanized Steel Gutter End Cap	19.32		
		For Kynar 500® Finish, Add	7.10		
07 71 23 00-0187	EA	8", Half Round Galvanized Steel Gutter End Cap	25.88		
		For Kynar 500® Finish, Add	10.05		
07 71 23 00-0188 Box Style, Galvanized Steel Gutter End Caps (07 71 23 00-0177)					
07 71 23 00-0189	EA	5", Box Style Galvanized Steel Gutter End Cap	16.27		
		For Kynar 500® Finish, Add	5.73		
07 71 23 00-0190	EA	6", Box Style Galvanized Steel Gutter End Cap	19.45		
		For Kynar 500® Finish, Add	7.16		
07 71 23 00-0191	EA	7", Box Style Galvanized Steel Gutter End Cap	21.71		
		For Kynar 500® Finish, Add	8.18		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
07 71 23 00-0192	EA		8", Box Style Galvanized Steel Gutter End Cap <i>For Kynar 500® Finish, Add</i>	28.85 11.39	
07 71 23 00-0193			Galvanized Steel Gutter Miters (07 71 23 00-0160) Note: Inside or outside miters.		
07 71 23 00-0194			K-Style, Galvanized Steel Gutter Miters (07 71 23 00-0193)		
07 71 23 00-0195	EA		5", K-Style Galvanized Steel Gutter Miter <i>For Kynar 500® Finish, Add</i>	44.30 11.90	
07 71 23 00-0196	EA		6", K-Style Galvanized Steel Gutter Miter <i>For Kynar 500® Finish, Add</i>	69.70 22.77	
07 71 23 00-0197	EA		7", K-Style Galvanized Steel Gutter Miter <i>For Kynar 500® Finish, Add</i>	109.32 40.05	
07 71 23 00-0198	EA		8", K-Style Galvanized Steel Gutter Miter <i>For Kynar 500® Finish, Add</i>	122.64 45.41	
07 71 23 00-0199			Half Round, Galvanized Steel Gutter Miters (07 71 23 00-0193)		
07 71 23 00-0200	EA		5", Half Round Galvanized Steel Gutter Miter <i>For Kynar 500® Finish, Add</i>	59.25 18.63	
07 71 23 00-0201	EA		6", Half Round Galvanized Steel Gutter Miter <i>For Kynar 500® Finish, Add</i>	66.39 21.28	
07 71 23 00-0202	EA		7", Half Round Galvanized Steel Gutter Miter <i>For Kynar 500® Finish, Add</i>	181.15 72.37	
07 71 23 00-0203	EA		8", Half Round Galvanized Steel Gutter Miter <i>For Kynar 500® Finish, Add</i>	191.49 76.39	
07 71 23 00-0204			Box Style, Galvanized Steel Gutter Miters (07 71 23 00-0193)		
07 71 23 00-0205	EA		5", Box Style Galvanized Steel Gutter Miter <i>For Kynar 500® Finish, Add</i>	56.25 17.28	
07 71 23 00-0206	EA		6", Box Style Galvanized Steel Gutter Miter <i>For Kynar 500® Finish, Add</i>	89.49 31.68	
07 71 23 00-0207	EA		7", Box Style Galvanized Steel Gutter Miter <i>For Kynar 500® Finish, Add</i>	115.27 42.72	
07 71 23 00-0208	EA		8", Box Style Galvanized Steel Gutter Miter <i>For Kynar 500® Finish, Add</i>	122.64 45.41	
07 71 23 00-0209			Galvanized Steel Gutter Wire Strainers (07 71 23 00-0160)		
07 71 23 00-0210	EA		3" Diameter, Round Galvanized Steel Wire Strainer <i>For Kynar 500® Finish, Add</i>	16.81 3.42	4.42
07 71 23 00-0211	EA		4" Diameter, Round Galvanized Steel Wire Strainer <i>For Kynar 500® Finish, Add</i>	23.29 6.34	4.42
07 71 23 00-0212			Galvanized Steel Downspouts (07 71 23 00-0160) Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0213			Round Galvanized Steel Downspouts (07 71 23 00-0212)		
07 71 23 00-0214	LF		3" Diameter, 26 Gauge, Round Galvanized Steel Downspout <i>For Up To 100', Add</i> <i>For >100 To 250', Add</i> <i>For >1,000', Deduct</i> <i>For Kynar 500® Finish, Add</i> <i>For 24 Gauge, Add</i> <i>For 22 Gauge, Add</i>	9.36 1.63 0.70 -0.46 2.14 1.33 2.62	4.24
07 71 23 00-0215	LF		4" Diameter, 26 Gauge, Round Galvanized Steel Downspout <i>For Up To 100', Add</i> <i>For >100 To 250', Add</i> <i>For >1,000', Deduct</i> <i>For Kynar 500® Finish, Add</i> <i>For 24 Gauge, Add</i> <i>For 22 Gauge, Add</i>	11.39 1.63 0.80 -0.46 3.06 1.90 3.73	4.24
07 71 23 00-0216	LF		5" Diameter, 26 Gauge, Round Galvanized Steel Downspout <i>For Up To 100', Add</i> <i>For >100 To 250', Add</i> <i>For >1,000', Deduct</i> <i>For Kynar 500® Finish, Add</i> <i>For 24 Gauge, Add</i> <i>For 22 Gauge, Add</i>	15.15 2.21 0.99 -0.46 4.75 2.95 5.80	4.24
07 71 23 00-0217	LF		6" Diameter, 26 Gauge, Round Galvanized Steel Downspout <i>For Up To 100', Add</i> <i>For >100 To 250', Add</i> <i>For >1,000', Deduct</i> <i>For Kynar 500® Finish, Add</i> <i>For 24 Gauge, Add</i> <i>For 22 Gauge, Add</i>	32.53 3.94 1.86 -0.46 12.57 7.82 15.36	4.24
07 71 23 00-0218			Square Galvanized Steel Downspouts (07 71 23 00-0212)		
07 71 23 00-0219	LF		4" x 4", 26 Gauge, Square Galvanized Steel Downspout <i>For Up To 100', Add</i> <i>For >100 To 250', Add</i> <i>For >1,000', Deduct</i> <i>For Kynar 500® Finish, Add</i> <i>For 24 Gauge, Add</i> <i>For 22 Gauge, Add</i>	10.49 1.74 0.75 -0.46 2.65 1.65 3.24	4.24

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 71 Roof Specialties

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
07 71 23 00-0220	LF 5" x 5", 26 Gauge, Square Galvanized Steel Downspout	13.17		4.24	
	For Up To 100', Add	2.01			
	For >100 To 250', Add	0.89			
	For >1,000', Deduct	-0.46			
	For Kynar 500® Finish, Add	3.86			
	For 24 Gauge, Add	2.40			
	For 22 Gauge, Add	4.71			
07 71 23 00-0221	Rectangular Galvanized Steel Downspouts (07 71 23 00-0212)	9.51		4.24	
07 71 23 00-0222	LF 2" x 3", 26 Gauge, Rectangular Galvanized Steel Downspout.....	9.51		4.24	
	For Up To 100', Add	1.64			
	For >100 To 250', Add	0.71			
	For >1,000', Deduct	-0.46			
	For Kynar 500® Finish, Add	2.21			
	For 24 Gauge, Add	1.37			
	For 22 Gauge, Add	2.70			
07 71 23 00-0223	LF 3" x 4", 26 Gauge, Rectangular Galvanized Steel Downspout.....	11.86		4.24	
	For Up To 100', Add	1.88			
	For >100 To 250', Add	0.82			
	For >1,000', Deduct	-0.46			
	For Kynar 500® Finish, Add	3.27			
	For 24 Gauge, Add	2.03			
	For 22 Gauge, Add	3.99			
07 71 23 00-0224	LF 4" x 5", 26 Gauge, Rectangular Galvanized Steel Downspout.....	21.20		4.24	
	For Up To 100', Add	2.81			
	For >100 To 250', Add	1.29			
	For >1,000', Deduct	-0.46			
	For Kynar 500® Finish, Add	7.47			
	For 24 Gauge, Add	4.65			
	For 22 Gauge, Add	9.13			
07 71 23 00-0225	Galvanized Steel Devices (07 71 23 00-0160)				
07 71 23 00-0226	EA Galvanized Steel Leader/Conductor Head.....	368.01		32.09	
	For Kynar 500® Finish, Add	136.72			
07 71 23 00-0227	EA Thru-Wall Galvanized Steel Scupper Outlet	205.71		28.88	
	For Kynar 500® Finish, Add	49.25			
07 71 23 00-0228	Stainless Steel Gutters And Downspouts (07 71 23)				
	Note: AISI type 304 stainless steel.				
07 71 23 00-0229	Stainless Steel Gutters (07 71 23 00-0228)				
	Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.				
07 71 23 00-0230	K-Style, Stainless Steel Gutters (07 71 23 00-0229)				
07 71 23 00-0231	LF 5", 26 Gauge, K-Style Stainless Steel Gutter.....	29.23		6.54	
	For Up To 100', Add	4.54			
	For >100' To 250', Add	2.00			
	For >1,000', Deduct	-1.08			
	For 316 Stainless Steel, Add	7.01			
	For 24 Gauge, Add	6.09			
	For 22 Gauge, Add	12.18			
	For 20 Gauge, Add	18.27			
07 71 23 00-0232	LF 6", 26 Gauge, K-Style Stainless Steel Gutter.....	34.38		6.89	
	For Up To 100', Add	5.13			
	For >100' To 250', Add	2.28			
	For >1,000', Deduct	-1.13			
	For 316 Stainless Steel, Add	8.77			
	For 24 Gauge, Add	7.61			
	For 22 Gauge, Add	15.23			
	For 20 Gauge, Add	22.84			
07 71 23 00-0233	Half Round, Stainless Steel Gutters (07 71 23 00-0229)				
07 71 23 00-0234	LF 5", 26 Gauge, Half Round Stainless Steel Gutter	38.72		6.54	
	For Up To 100', Add	5.49			
	For >100' To 250', Add	2.48			
	For >1,000', Deduct	-1.08			
	For 316 Stainless Steel, Add	10.62			
	For 24 Gauge, Add	9.22			
	For 22 Gauge, Add	18.44			
	For 20 Gauge, Add	27.66			
07 71 23 00-0235	LF 6", 26 Gauge, Half Round Stainless Steel Gutter	46.18		6.89	
	For Up To 100', Add	6.31			
	For >100' To 250', Add	2.87			
	For >1,000', Deduct	-1.13			
	For 316 Stainless Steel, Add	13.25			
	For 24 Gauge, Add	11.51			
	For 22 Gauge, Add	23.01			
	For 20 Gauge, Add	34.52			
07 71 23 00-0236	Box Style, Stainless Steel Gutters (07 71 23 00-0229)				

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0237	LF	5", 26 Gauge, Box Style Stainless Steel Gutter	38.69	7.42	
		For Up To 100', Add	5.73		
		For >100' To 250', Add	2.55		
		For >1,000', Deduct	-1.24		
		For 316 Stainless Steel, Add	10.00		
		For 24 Gauge, Add	8.68		
		For 22 Gauge, Add	17.36		
		For 20 Gauge, Add	26.05		
		For 18 Gauge, Add	43.67		
		For Seamless Gutter, Add	0.54		
07 71 23 00-0238	LF	6", 26 Gauge, Box Style Stainless Steel Gutter	46.49	8.13	
		For Up To 100', Add	6.66		
		For >100' To 250', Add	3.00		
		For >1,000', Deduct	-1.34		
		For 316 Stainless Steel, Add	12.56		
		For 24 Gauge, Add	10.91		
		For 22 Gauge, Add	21.62		
		For 20 Gauge, Add	32.73		
		For 18 Gauge, Add	54.88		
		For Seamless Gutter, Add	0.36		
07 71 23 00-0239	LF	7", 26 Gauge, Box Style Stainless Steel Gutter	54.26	8.66	
		For Up To 100', Add	7.57		
		For >100' To 250', Add	3.43		
		For >1,000', Deduct	-1.43		
		For 316 Stainless Steel, Add	15.18		
		For 24 Gauge, Add	13.18		
		For 22 Gauge, Add	26.37		
		For 20 Gauge, Add	39.55		
		For 18 Gauge, Add	66.32		
		For Seamless Gutter, Add	0.15		
07 71 23 00-0240	LF	8", 26 Gauge, Box Style Stainless Steel Gutter	58.85	9.19	
		For Up To 100', Add	8.17		
		For >100' To 250', Add	3.70		
		For >1,000', Deduct	-1.52		
		For 316 Stainless Steel, Add	16.59		
		For 24 Gauge, Add	14.40		
		For 22 Gauge, Add	28.81		
		For 20 Gauge, Add	43.21		
		For 18 Gauge, Add	72.46		
		For Seamless Gutter, Add	0.10		
07 71 23 00-0241		Stainless Steel Gutter End Caps (07 71 23 00-0228)			
07 71 23 00-0242		K-Style, Stainless Steel Gutter End Caps (07 71 23 00-0241)			
07 71 23 00-0243	EA	5", K-Style Stainless Steel Gutter End Cap	9.31		
		For 316 Stainless Steel, Add	2.19		
07 71 23 00-0244	EA	6", K-Style Stainless Steel Gutter End Cap	10.47		
		For 316 Stainless Steel, Add	2.63		
07 71 23 00-0245		Half Round, Stainless Steel Gutter End Caps (07 71 23 00-0241)			
07 71 23 00-0246	EA	5", Half Round Stainless Steel Gutter End Cap	10.76		
		For 316 Stainless Steel, Add	2.74		
07 71 23 00-0247	EA	6", Half Round Stainless Steel Gutter End Cap	12.20		
		For 316 Stainless Steel, Add	3.29		
07 71 23 00-0248		Box Style, Stainless Steel Gutter End Caps (07 71 23 00-0241)			
07 71 23 00-0249	EA	5", Box Style Stainless Steel Gutter End Cap	11.64		
		For 316 Stainless Steel, Add	2.74		
07 71 23 00-0250	EA	6", Box Style Stainless Steel Gutter End Cap	13.08		
		For 316 Stainless Steel, Add	3.29		
07 71 23 00-0251	EA	7", Box Style Stainless Steel Gutter End Cap	13.47		
		For 316 Stainless Steel, Add	3.55		
07 71 23 00-0252	EA	8", Box Style Stainless Steel Gutter End Cap	16.22		
		For 316 Stainless Steel, Add	4.38		
07 71 23 00-0253		Stainless Steel Gutter Miters (07 71 23 00-0228)			
		Note: Inside or outside box miters.			
07 71 23 00-0254		K-Style, Stainless Steel Gutter Miters (07 71 23 00-0253)			
07 71 23 00-0255	EA	5", K-Style Stainless Steel Gutter Miter	47.68		
		For 316 Stainless Steel, Add	11.34		
07 71 23 00-0256	EA	6", K-Style Stainless Steel Gutter Miter	72.02		
		For 316 Stainless Steel, Add	20.11		
07 71 23 00-0257		Half Round, Stainless Steel Gutter Miters (07 71 23 00-0253)			
07 71 23 00-0258	EA	5", Half Round Stainless Steel Gutter Miter	105.40		
		For 316 Stainless Steel, Add	33.27		
07 71 23 00-0259	EA	6", Half Round Stainless Steel Gutter Miter	127.78		
		For 316 Stainless Steel, Add	41.30		
07 71 23 00-0260		Box-Style, Stainless Steel Gutter Miters (07 71 23 00-0253)			
07 71 23 00-0261	EA	5", Box-Style Stainless Steel Gutter Miter	53.64		
		For 316 Stainless Steel, Add	13.60		

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 71 Roof Specialties

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
07 71 23 00-0262	EA 6", Box-Style Stainless Steel Gutter Miter..... <i>For 316 Stainless Steel, Add</i>	82.60 24.13			
07 71 23 00-0263	EA 7", Box-Style Stainless Steel Gutter Miter..... <i>For 316 Stainless Steel, Add</i>	94.41 28.15			
07 71 23 00-0264	EA 8", Box-Style Stainless Steel Gutter Miter..... <i>For 316 Stainless Steel, Add</i>	106.41 32.17			
07 71 23 00-0265	Stainless Steel Gutter Wire Strainers (07 71 23 00-0228)				
07 71 23 00-0266	EA 3" Diameter, Round Stainless Steel Wire Strainer.....	50.11		4.42	
07 71 23 00-0267	EA 4" Diameter, Round Stainless Steel Wire Strainer.....	51.23		4.42	
07 71 23 00-0268	Stainless Steel Downspouts (07 71 23 00-0228) Note: Includes elbows, hangers and fasteners.				
07 71 23 00-0269	Round Stainless Steel Downspouts (07 71 23 00-0268)				
07 71 23 00-0270	LF 3" Diameter, 26 Gauge, Round Stainless Steel Downspout..... <i>For Up To 100', Add</i> <i>For >100 To 250', Add</i> <i>For >1,000', Deduct</i> <i>For 316 Stainless Steel, Add</i> <i>For 24 Gauge, Add</i> <i>For 22 Gauge, Add</i> <i>For 20 Gauge, Add</i>	16.52 2.34 1.06 -0.46 4.53 3.93 7.87 11.80		4.24	
07 71 23 00-0271	LF 4" Diameter, 26 Gauge, Round Stainless Steel Downspout..... <i>For Up To 100', Add</i> <i>For >100 To 250', Add</i> <i>For >1,000', Deduct</i> <i>For 316 Stainless Steel, Add</i> <i>For 24 Gauge, Add</i> <i>For 22 Gauge, Add</i> <i>For 20 Gauge, Add</i>	21.15 2.81 1.29 -0.46 6.29 5.46 10.92 16.38		4.24	
07 71 23 00-0272	LF 5" Diameter, 26 Gauge, Round Stainless Steel Downspout..... <i>For Up To 100', Add</i> <i>For >100 To 250', Add</i> <i>For >1,000', Deduct</i> <i>For 316 Stainless Steel, Add</i> <i>For 24 Gauge, Add</i> <i>For 22 Gauge, Add</i> <i>For 20 Gauge, Add</i>	29.88 3.68 1.72 -0.46 9.61 8.34 16.68 25.03		4.24	
07 71 23 00-0273	Rectangular Stainless Steel Downspouts (07 71 23 00-0268)				
07 71 23 00-0274	LF 2" x 3", 26 Gauge, Rectangular Stainless Steel Downspout..... <i>For Up To 100', Add</i> <i>For >100 To 250', Add</i> <i>For >1,000', Deduct</i> <i>For 316 Stainless Steel, Add</i> <i>For 24 Gauge, Add</i> <i>For 22 Gauge, Add</i> <i>For 20 Gauge, Add</i> <i>For 18 Gauge, Add</i>	16.86 2.38 1.07 -0.46 4.66 4.05 8.09 12.14 20.35		4.24	
07 71 23 00-0275	LF 3" x 4", 26 Gauge, Rectangular Stainless Steel Downspout..... <i>For Up To 100', Add</i> <i>For >100 To 250', Add</i> <i>For >1,000', Deduct</i> <i>For 316 Stainless Steel, Add</i> <i>For 24 Gauge, Add</i> <i>For 22 Gauge, Add</i> <i>For 20 Gauge, Add</i> <i>For 18 Gauge, Add</i>	21.84 2.87 1.32 -0.46 6.55 5.69 11.38 17.07 28.62		4.24	
07 71 23 00-0276	LF 4" x 5", 26 Gauge, Rectangular Stainless Steel Downspout..... <i>For Up To 100', Add</i> <i>For >100 To 250', Add</i> <i>For >1,000', Deduct</i> <i>For 316 Stainless Steel, Add</i> <i>For 24 Gauge, Add</i> <i>For 22 Gauge, Add</i> <i>For 20 Gauge, Add</i> <i>For 18 Gauge, Add</i>	27.66 3.46 1.61 -0.46 8.76 7.61 15.22 22.83 38.28		4.24	
07 71 23 00-0277	Stainless Steel Devices (07 71 23 00-0228)				
07 71 23 00-0278	EA Thru-Wall Stainless Steel Scupper Outlet..... <i>For 316 Stainless Steel, Add</i>	312.59 68.41		39.77	
07 71 23 00-0279	EA Stainless Steel Leader/Conductor Head..... <i>For 316 Stainless Steel, Add</i>	513.75 161.64		39.77	
07 71 23 00-0280	Vinyl Gutters And Downspouts (07 71 23)				
07 71 23 00-0281	Vinyl Gutters (07 71 23 00-0280) Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.				
07 71 23 00-0282	K-Style Vinyl Gutters (07 71 23 00-0281)				
07 71 23 00-0283	LF 4", K-Style Vinyl Gutter..... <i>For Up To 100', Add</i> <i>For >100' To 250', Add</i> <i>For >1,000', Deduct</i>	14.24 2.53 1.08 -0.74		4.42	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0284	LF	5", K-Style Vinyl Gutter For Up To 100', Add For >100' To 250', Add For >1,000', Deduct	17.78 2.88 1.26 -0.74	4.42
07 71 23 00-0285		Half Round Vinyl Gutters (07 71 23 00-0281)		
07 71 23 00-0286	LF	4", Half Round Vinyl Gutter..... For Up To 100', Add For >100' To 250', Add For >1,000', Deduct	14.64 2.57 1.10 -0.74	4.42
07 71 23 00-0287	LF	5", Half Round Vinyl Gutter..... For Up To 100', Add For >100' To 250', Add For >1,000', Deduct	15.29 2.63 1.13 -0.74	4.42
07 71 23 00-0288		Vinyl Gutter End Caps (07 71 23 00-0280)		
07 71 23 00-0289		K-Style, Vinyl Gutter End Caps (07 71 23 00-0288)		
07 71 23 00-0290	EA	4", K-Style Vinyl Gutter End Cap	8.52	
07 71 23 00-0291	EA	5", K-Style Vinyl Gutter End Cap	11.46	
07 71 23 00-0292		Half Round, Vinyl Gutter End Caps (07 71 23 00-0288)		
07 71 23 00-0293	EA	4", Half Round Vinyl Gutter End Cap	9.60	
07 71 23 00-0294	EA	5", Half Round Vinyl Gutter End Cap	9.12	
07 71 23 00-0295		Vinyl Gutter Miters (07 71 23 00-0280) Note: Inside or outside miters.		
07 71 23 00-0296		K-Style, Vinyl Gutter Miters (07 71 23 00-0295)		
07 71 23 00-0297	EA	4", K-Style Vinyl Gutter Miter	20.51	
07 71 23 00-0298	EA	5", K-Style Vinyl Gutter Miter	29.99	
07 71 23 00-0299		Half Round, Vinyl Gutter Miters (07 71 23 00-0295)		
07 71 23 00-0300	EA	4", Half Round Vinyl Gutter Miter	20.51	
07 71 23 00-0301	EA	5", Half Round Vinyl Gutter Miter	22.14	
07 71 23 00-0302		Vinyl Downspouts (07 71 23 00-0280) Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0303		Round Vinyl Downspouts (07 71 23 00-0302)		
07 71 23 00-0304	LF	2-1/2" Diameter, Round Vinyl Downspout..... For Up To 100', Add For >100 To 250', Add For >1,000', Deduct	9.29 1.62 0.69 -0.46	4.24
07 71 23 00-0305	LF	3" Diameter, Round Vinyl Downspout..... For Up To 100', Add For >100 To 250', Add For >1,000', Deduct	9.63 1.65 0.71 -0.46	4.24
07 71 23 00-0306		Square Vinyl Downspouts (07 71 23 00-0302)		
07 71 23 00-0307	LF	2-1/2", Square Vinyl Downspout..... For Up To 100', Add For >100 To 250', Add For >1,000', Deduct	9.15 1.61 0.69 -0.46	4.24
07 71 23 00-0308		Rectangular Vinyl Downspouts (07 71 23 00-0302)		
07 71 23 00-0309	LF	2" x 3", Rectangular Vinyl Downspout	11.36 1.83 0.80 -0.46	4.24
07 71 23 00-0310		Gutter And Downspout Boots (07 71 23)		
07 71 23 00-0311		Cast Iron Roof Drainage Downspout Boots (07 71 23 00-0310)		
07 71 23 00-0312	EA	2" x 3" x 18" Long, Cast Iron Roof Drainage Downspout Boot.....	349.94	6.37
07 71 23 00-0313	EA	3" x 4" x 18" Long, Cast Iron Roof Drainage Downspout Boot.....	455.79	6.37
07 71 23 00-0314	EA	4" x 5" x 24" Long, Cast Iron Roof Drainage Downspout Boot.....	543.81	6.37
07 71 23 00-0315		Cast Iron Roof Drainage Downspout Boots With Cleanouts (07 71 23 00-0310)		
07 71 23 00-0316	EA	3" x 4" x 18" Long, Cast Iron Roof Drainage Downspout Boot With Cleanout	603.72	6.37
07 71 23 00-0317	EA	4" x 5" x 24" Long, Cast Iron Roof Drainage Downspout Boot With Cleanout	737.29	6.37
07 71 23 00-0318	EA	5" x 7" x 30" Long, Cast Iron Roof Drainage Downspout Boot With Cleanout	1,337.11	6.37
07 71 23 00-0319		Wall Mounted Downspout Covers With Hinged Perforated Cover (07 71 23)		

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 71 Roof Specialties

MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 71 23 00-0320	EA	3" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-03).....	1,202.10	30.89
		For Polished Brass Finish (-PB), Add	114.03	
		For Chrome Plated Finish (-CP), Add	171.05	
		For Vandal Proof (-U), Add	57.02	
07 71 23 00-0321	EA	4" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-04).....	1,222.69	41.19
		For Polished Brass Finish (-PB), Add	114.03	
		For Chrome Plated Finish (-CP), Add	171.05	
		For Vandal Proof (-U), Add	57.02	
07 71 23 00-0322	EA	6" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-06).....	1,310.74	53.20
		For Polished Brass Finish (-PB), Add	120.43	
		For Chrome Plated Finish (-CP), Add	180.65	
		For Vandal Proof (-U), Add	60.22	
07 71 23 00-0323	EA	8" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-08).....	1,396.63	67.18
		For Polished Brass Finish (-PB), Add	126.23	
		For Chrome Plated Finish (-CP), Add	189.34	
		For Vandal Proof (-U), Add	63.11	
07 71 23 00-0324	EA	10" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-10).....	1,501.21	82.76
		For Polished Brass Finish (-PB), Add	133.57	
		For Chrome Plated Finish (-CP), Add	200.36	
		For Vandal Proof (-U), Add	66.79	
07 71 23 00-0325	EA	12" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-12).....	1,647.91	115.53
		For Polished Brass Finish (-PB), Add	141.68	
		For Chrome Plated Finish (-CP), Add	212.53	
		For Vandal Proof (-U), Add	70.84	
07 71 23 00-0326	EA	15" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-15).....	1,818.22	160.68
		For Polished Brass Finish (-PB), Add	149.69	
		For Chrome Plated Finish (-CP), Add	224.53	
		For Vandal Proof (-U), Add	74.84	

07 71 23 00-0327 Wall Mounted Downspout Nozzle (07 71 23)

07 71 23 00-0328	EA	3" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-03).....	307.96	30.89
		For Nickel Bronze Finish (-NB), Add	172.32	
		For Polished Bronze Finish (-PB), Add	135.39	
		For Chrome Plated Finish (-CP), Add	219.09	
07 71 23 00-0329	EA	4" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-04).....	328.55	41.19
		For Nickel Bronze Finish (-NB), Add	172.32	
		For Polished Bronze Finish (-PB), Add	135.39	
		For Chrome Plated Finish (-CP), Add	219.09	
07 71 23 00-0330	EA	6" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-06).....	690.35	53.20
		For Nickel Bronze Finish (-NB), Add	175.19	
		For Polished Bronze Finish (-PB), Add	99.27	
		For Chrome Plated Finish (-CP), Add	256.94	
07 71 23 00-0331	EA	8" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-08).....	1,020.76	67.18
		For Nickel Bronze Finish (-NB), Add	150.69	
		For Polished Bronze Finish (-PB), Add	115.23	
		For Chrome Plated Finish (-CP), Add	257.06	
07 71 23 00-0332	EA	10" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-10).....	1,316.31	82.76
		For Nickel Bronze Finish (-NB), Add	195.64	
		For Polished Bronze Finish (-PB), Add	149.60	
		For Chrome Plated Finish (-CP), Add	333.73	
07 71 23 00-0333	EA	12" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-12).....	1,678.81	115.53
		For Nickel Bronze Finish (-NB), Add	246.12	
		For Polished Bronze Finish (-PB), Add	188.21	
		For Chrome Plated Finish (-CP), Add	419.84	

07 71 23 00-0334 Leaf Guards And Cleaning (07 71 23)

07 71 23 00-0335	LF	Aluminum Mesh Gutter Leaf Guard	4.20	1.03
		For Up To 100', Add	0.73	
		For >100' To 250', Add	0.31	
		For >1,000', Deduct	-0.20	
07 71 23 00-0336	LF	Vinyl Mesh Gutter Leaf Guard	3.27	1.03
		For Up To 100', Add	0.63	
		For >100' To 250', Add	0.27	
		For >1,000', Deduct	-0.20	
07 71 23 00-0337	LF	6" Wide Stainless Steel Gutter Leaf Guard, 1/4" x 1/4" x 0.08" Wire	17.07	1.29
		For Up To 100', Add	2.10	
		For >100' To 250', Add	0.98	
		For >1,000', Deduct	-0.26	
07 71 23 00-0338	LF	9" Wide Stainless Steel Gutter Leaf Guard, 1/4" x 1/4" x 0.08" Wire	24.34	1.29
		For Up To 100', Add	2.82	
		For >100' To 250', Add	1.35	
		For >1,000', Deduct	-0.26	
07 71 23 00-0339	LF	6" Wide Stainless Steel Gutter Leaf Guard, 3/8" x 3/8" Mesh	13.00	1.29
		For Up To 100', Add	1.61	
		For >100' To 250', Add	0.75	
		For >1,000', Deduct	-0.20	
07 71 23 00-0340	LF	9" Wide Stainless Steel Gutter Leaf Guard, 3/8" x 3/8" Mesh	19.97	1.29
		For Up To 100', Add	2.30	
		For >100' To 250', Add	1.10	
		For >1,000', Deduct	-0.20	
07 71 23 00-0341	EA	Cleanout Roof Drain	175.35	
		Note: Includes removing dome and flushing.		
07 71 23 00-0342	LF	Cleanout Roof Gutters And Downspouts	2.05	

07 71 26 Reglets (07 71)

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 71 26 00-0001		Counter Flashing With Reglet (07 71 26)		
		Note: Includes reglet cut.		
07 71 26 00-0002		Galvanized Steel Counter Flashing With Reglet (07 71 26 00-0001)		
07 71 26 00-0003		Galvanized Steel Counter Flashing With Reglet (07 71 26 00-0002)		
07 71 26 00-0004	LF	28 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	17.16	5.74
07 71 26 00-0005	LF	26 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	17.32	5.74
07 71 26 00-0006	LF	24 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	17.59	5.74
07 71 26 00-0007	LF	22 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	18.62	5.74
07 71 26 00-0008	LF	20 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	19.21	5.74
07 71 26 00-0009	LF	18 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	19.88	5.74
07 71 26 00-0010		KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet (07 71 26 00-0002)		
07 71 26 00-0011	LF	28 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet	19.72	5.74
07 71 26 00-0012	LF	26 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet	19.94	5.74
07 71 26 00-0013	LF	24 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet	20.34	5.74
07 71 26 00-0014	LF	22 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet	21.83	5.74
07 71 26 00-0015	LF	20 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet	22.68	5.74
07 71 26 00-0016	LF	18 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet	23.66	5.74
07 71 26 00-0017		Aluminum Counter Flashing With Reglet (07 71 26 00-0001)		
07 71 26 00-0018		KYNAR 500® Finish, Aluminum Counter Flashing With Reglet (07 71 26 00-0017)		
07 71 26 00-0019	LF	0.019" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet	16.01	5.74
07 71 26 00-0020	LF	0.025" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet	16.72	5.74
07 71 26 00-0021	LF	0.032" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet	17.44	5.74
07 71 26 00-0022	LF	0.040" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet	17.96	5.74
07 71 26 00-0023	LF	0.050" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet	19.11	5.74
07 71 26 00-0024	LF	0.063" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet	20.78	5.74
07 71 26 00-0025		Mill Finish, Aluminum Counter Flashing With Reglet (07 71 26 00-0017)		
07 71 26 00-0026	LF	0.019" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	14.37	5.74
07 71 26 00-0027	LF	0.025" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	14.83	5.74
07 71 26 00-0028	LF	0.032" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	15.29	5.74
07 71 26 00-0029	LF	0.040" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	15.62	5.74
07 71 26 00-0030	LF	0.050" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	16.35	5.74
07 71 26 00-0031	LF	0.063" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	17.42	5.74
07 71 26 00-0032		Clear Anodized Finish, Aluminum Counter Flashing With Reglet (07 71 26 00-0017)		
07 71 26 00-0033	LF	0.019" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	15.67	5.74
07 71 26 00-0034	LF	0.025" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	16.34	5.74
07 71 26 00-0035	LF	0.032" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	17.00	5.74
07 71 26 00-0036	LF	0.040" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	17.48	5.74
07 71 26 00-0037	LF	0.050" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	18.54	5.74
07 71 26 00-0038	LF	0.063" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	20.09	5.74
07 71 26 00-0039		Stainless Steel Counter Flashing With Reglet (07 71 26 00-0001)		
07 71 26 00-0040		Stainless Steel Counter Flashing With Reglet (07 71 26 00-0039)		
07 71 26 00-0041	LF	24 Gauge, Up To 12" Wide, Stainless Steel Counter Flashing With Reglet	21.23	5.74
07 71 26 00-0042	LF	22 Gauge, Up To 12" Wide, Stainless Steel Counter Flashing With Reglet	22.53	5.74
07 71 26 00-0043	LF	20 Gauge, Up To 12" Wide, Stainless Steel Counter Flashing With Reglet	22.96	5.74
07 71 26 00-0044		Copper Counter Flashing With Reglet (07 71 26 00-0001)		
07 71 26 00-0045		Copper Counter Flashing With Reglet (07 71 26 00-0044)		
07 71 26 00-0046	LF	16 Ounce, Up To 12" Wide, Copper Counter Flashing With Reglet	50.60	5.74

07 72 Roof Accessories (07 70)

07 72 13 Manufactured Curbs (07 72)

07 72 13 00-0001		Insulated Galvanized Steel, Prefabricated Roof Curbs (07 72 13)		
		Note: Includes fasteners and sealants. Excludes flashing. See CSI section 07 62 13 00-0000 for flashing and trim.		
07 72 13 00-0002		Insulated Galvanized Steel, Prefabricated Roof Curbs (07 72 13 00-0001)		
		Note: Includes pressure treated wood nailer, 1-1/2" rigid foam insulation, mill finish galvanized steel exterior wall construction, painted galvanized steel interior wall construction, installation clips and 3/16" wire mesh, 6" x 6" grids, safety security guard with installation clips.		
07 72 13 00-0003		18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs (07 72 13 00-0002)		
07 72 13 00-0004		9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs (07 72 13 00-0003)		

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 72 Roof Accessories

MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 72 13 00-0005	EA	26" x 26" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,012.00	258.56
		For Sloped Roofs Up To 1 In 12 Pitch, Add	68.88	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	170.08	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-32.31	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	14.16	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	38.50	
07 72 13 00-0006	EA	26" x 38" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,027.56	258.56
		For Sloped Roofs Up To 1 In 12 Pitch, Add	70.44	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	173.19	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-39.64	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	22.30	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	44.43	
07 72 13 00-0007	EA	26" x 50" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,116.14	290.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	75.25	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	186.87	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-48.47	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	28.98	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	44.47	
07 72 13 00-0008	EA	26" x 74" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,175.77	290.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	81.22	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	198.79	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-64.61	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	34.96	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	50.45	
07 72 13 00-0009	EA	26" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,219.85	290.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	85.63	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	207.61	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	20.25	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	128.69	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	141.96	
07 72 13 00-0010	EA	26" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,476.97	323.20
		For Sloped Roofs Up To 1 In 12 Pitch, Add	107.30	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	254.99	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-107.21	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-7.64	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	34.41	
07 72 13 00-0011	EA	38" x 38" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,032.74	258.56
		For Sloped Roofs Up To 1 In 12 Pitch, Add	70.95	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	174.23	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	11.62	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	100.14	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	139.97	
07 72 13 00-0012	EA	38" x 50" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,118.73	290.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	75.51	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	187.39	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-61.69	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	31.25	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	68.87	
07 72 13 00-0013	EA	38" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,152.44	290.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	78.88	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	194.13	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-76.38	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	20.99	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	51.97	
07 72 13 00-0014	EA	38" x 74" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,165.40	290.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	80.18	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	196.72	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	20.58	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	126.80	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	155.57	
07 72 13 00-0015	EA	38" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,435.48	323.20
		For Sloped Roofs Up To 1 In 12 Pitch, Add	103.15	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	246.70	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	26.56	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	143.84	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	188.10	
07 72 13 00-0016	EA	38" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,570.73	355.52
		For Sloped Roofs Up To 1 In 12 Pitch, Add	112.63	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	269.71	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	32.53	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	167.52	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	220.64	
07 72 13 00-0017	EA	50" x 50" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,238.00	290.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	87.44	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	211.24	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-79.30	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	18.05	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	42.40	
07 72 13 00-0018	EA	50" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,352.51	323.20
		For Sloped Roofs Up To 1 In 12 Pitch, Add	94.85	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	230.10	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-95.46	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-4.74	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	39.52	
07 72 13 00-0019	EA	50" x 74" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,381.03	323.20
		For Sloped Roofs Up To 1 In 12 Pitch, Add	97.70	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	235.81	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-113.10	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-35.63	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	39.59	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0020	EA	50" x 86" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,516.28 107.19 258.82 -132.18 -32.61 38.20	355.52
07 72 13 00-0021	EA	51" x 99" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,628.20 114.34 277.16 34.19 158.12 213.44	387.83
07 72 13 00-0022	EA	51" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,760.85 123.57 299.65 -182.12 -42.70 32.52	420.16
07 72 13 00-0023	EA	62" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,381.03 97.70 235.81 27.22 100.25 184.34	323.20
07 72 13 00-0024	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,487.76 104.34 253.11 -138.07 -29.62 38.97	355.52
07 72 13 00-0025	EA	62" x 86" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,625.60 114.08 276.64 -179.20 -70.76 -6.57	387.83
07 72 13 00-0026	EA	62" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,651.53 116.67 281.83 40.50 148.93 259.58	387.83
07 72 13 00-0027	EA	62" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,789.38 126.42 305.36 -226.20 -115.55 26.08	420.16
07 72 13 00-0028		12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs (07 72 13 00-0003)		
07 72 13 00-0029	EA	26" x 26" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,045.71 72.25 176.82 -32.31 14.16 38.50	258.56
07 72 13 00-0030	EA	26" x 38" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,053.49 73.03 178.38 -39.64 22.30 44.43	258.56
07 72 13 00-0031	EA	26" x 50" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,142.06 77.85 192.05 -48.47 28.98 44.47	290.88
07 72 13 00-0032	EA	26" x 74" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,209.48 84.59 205.54 -64.61 34.96 50.45	290.88
07 72 13 00-0033	EA	26" x 98" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,258.74 89.51 215.39 20.25 128.69 141.96	290.88
07 72 13 00-0034	EA	26" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,508.08 110.41 261.22 -107.21 -7.64 34.41	323.20

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 72 Roof Accessories

MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 72 13 00-0035	EA	38" x 38" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,056.08	258.56
		For Sloped Roofs Up To 1 In 12 Pitch, Add	73.29	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	178.90	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	11.62	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	100.14	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	139.97	
07 72 13 00-0036	EA	38" x 50" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,188.74	290.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	82.51	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	201.39	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-61.69	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	31.25	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	68.87	
07 72 13 00-0037	EA	38" x 62" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,240.59	290.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	87.70	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	211.76	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-76.38	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	20.99	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	51.97	
07 72 13 00-0038	EA	38" x 74" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,300.23	290.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	93.66	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	223.69	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	20.58	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	126.80	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	155.57	
07 72 13 00-0039	EA	38" x 98" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,476.97	323.20
		For Sloped Roofs Up To 1 In 12 Pitch, Add	107.30	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	254.99	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	26.56	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	143.84	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	188.10	
07 72 13 00-0040	EA	38" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,622.59	355.52
		For Sloped Roofs Up To 1 In 12 Pitch, Add	117.82	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	280.08	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	32.53	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	167.52	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	220.64	
07 72 13 00-0041	EA	50" x 50" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,269.12	290.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	90.55	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	217.46	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-79.30	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	18.05	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	42.40	
07 72 13 00-0042	EA	50" x 62" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,378.44	323.20
		For Sloped Roofs Up To 1 In 12 Pitch, Add	97.44	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	235.29	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-95.46	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-4.74	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	39.52	
07 72 13 00-0043	EA	50" x 74" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,419.92	323.20
		For Sloped Roofs Up To 1 In 12 Pitch, Add	101.59	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	243.58	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-113.10	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-35.63	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	39.59	
07 72 13 00-0044	EA	50" x 86" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,557.77	355.52
		For Sloped Roofs Up To 1 In 12 Pitch, Add	111.34	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	267.11	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-132.18	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-32.61	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	38.20	
07 72 13 00-0045	EA	51" x 98" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,677.46	387.83
		For Sloped Roofs Up To 1 In 12 Pitch, Add	119.27	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	287.01	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	34.19	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	158.12	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	213.44	
07 72 13 00-0046	EA	51" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,817.90	420.16
		For Sloped Roofs Up To 1 In 12 Pitch, Add	129.27	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	311.06	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-182.12	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-42.70	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	32.52	
07 72 13 00-0047	EA	62" x 62" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,419.92	323.20
		For Sloped Roofs Up To 1 In 12 Pitch, Add	101.59	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	243.58	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	27.22	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	100.25	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	184.34	
07 72 13 00-0048	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,529.25	355.52
		For Sloped Roofs Up To 1 In 12 Pitch, Add	108.49	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	261.41	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-138.07	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-29.62	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	38.97	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0049	EA	62" x 86" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,669.68 118.49 285.46 -179.20 -70.76 -6.57	387.83
07 72 13 00-0050	EA	62" x 98" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,703.39 121.86 292.20 40.50 148.93 259.58	387.83
07 72 13 00-0051	EA	62" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,846.42 132.12 316.76 -226.20 -115.55 26.08	420.16
07 72 13 00-0052		14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs (07 72 13 00-0003)		
07 72 13 00-0053	EA	26" x 26" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,063.86 74.07 180.45 -32.31 14.16 38.50	258.56
07 72 13 00-0054	EA	26" x 38" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,071.64 74.84 182.01 -39.64 22.30 44.43	258.56
07 72 13 00-0055	EA	26" x 50" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,155.03 79.14 194.65 -48.47 28.98 44.47	290.88
07 72 13 00-0056	EA	26" x 74" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,230.22 86.66 209.68 -64.61 34.96 50.45	290.88
07 72 13 00-0057	EA	26" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,287.27 92.37 221.09 20.25 128.69 141.96	290.88
07 72 13 00-0058	EA	26" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,544.38 114.04 268.48 -107.21 -7.64 34.41	323.20
07 72 13 00-0059	EA	38" x 38" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,071.64 74.84 182.01 11.62 100.14 139.97	258.56
07 72 13 00-0060	EA	38" x 50" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,155.03 79.14 194.65 -61.69 31.25 68.87	290.88
07 72 13 00-0061	EA	38" x 62" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,287.27 92.37 221.09 -76.38 20.99 51.97	290.88
07 72 13 00-0062	EA	38" x 74" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,349.50 98.59 233.54 20.58 126.80 155.57	290.88
07 72 13 00-0063	EA	38" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,508.08 110.41 261.22 26.56 143.84 188.10	323.20

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 72 Roof Accessories

MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 72 13 00-0064	EA	38" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,656.30	355.52
		For Sloped Roofs Up To 1 In 12 Pitch, Add	121.19	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	286.82	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	32.53	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	167.52	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	220.64	
07 72 13 00-0065	EA	50" x 50" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,289.86	290.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	92.63	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	221.61	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-79.30	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	18.05	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	42.40	
07 72 13 00-0066	EA	50" x 62" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,319.20	323.20
		For Sloped Roofs Up To 1 In 12 Pitch, Add	91.52	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	223.44	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-95.46	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-4.74	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	39.52	
07 72 13 00-0067	EA	50" x 74" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,445.85	323.20
		For Sloped Roofs Up To 1 In 12 Pitch, Add	104.19	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	248.77	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-113.10	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-35.63	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	39.59	
07 72 13 00-0068	EA	50" x 86" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,588.88	355.52
		For Sloped Roofs Up To 1 In 12 Pitch, Add	114.45	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	273.34	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-132.18	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-32.61	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	38.20	
07 72 13 00-0069	EA	51" x 99" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,708.58	387.83
		For Sloped Roofs Up To 1 In 12 Pitch, Add	122.38	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	293.24	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	34.19	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	158.12	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	213.44	
07 72 13 00-0070	EA	51" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,854.20	420.16
		For Sloped Roofs Up To 1 In 12 Pitch, Add	132.90	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	318.32	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-182.12	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-42.70	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	32.52	
07 72 13 00-0071	EA	62" x 62" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,445.85	323.20
		For Sloped Roofs Up To 1 In 12 Pitch, Add	104.19	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	248.77	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	27.22	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	100.25	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	184.34	
07 72 13 00-0072	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,557.77	355.52
		For Sloped Roofs Up To 1 In 12 Pitch, Add	111.34	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	267.11	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-138.07	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-29.62	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	38.97	
07 72 13 00-0073	EA	62" x 86" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,703.39	387.83
		For Sloped Roofs Up To 1 In 12 Pitch, Add	121.86	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	292.20	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-179.20	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-70.76	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	-6.57	
07 72 13 00-0074	EA	62" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,737.10	387.83
		For Sloped Roofs Up To 1 In 12 Pitch, Add	125.23	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	298.94	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	40.50	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	148.93	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	259.58	
07 72 13 00-0075	EA	62" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,885.31	420.16
		For Sloped Roofs Up To 1 In 12 Pitch, Add	136.01	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	324.54	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-226.20	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-115.55	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	26.08	

07 72 13 00-0076 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs (07 72 13 00-0002)

07 72 13 00-0077 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs

07 72 13 00-0078	EA	26" x 26" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	983.48	258.56
		For Sloped Roofs Up To 1 In 12 Pitch, Add	66.03	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	164.38	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-32.31	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	14.16	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	38.50	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0079	EA	26" x 38" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,017.18	258.56
		For Sloped Roofs Up To 1 In 12 Pitch, Add	69.40	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	171.12	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-39.64	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	22.30	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	44.43	
07 72 13 00-0080	EA	26" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,162.81	290.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	79.92	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	196.20	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-48.47	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	28.98	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	44.47	
07 72 13 00-0081	EA	26" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,240.59	290.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	87.70	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	211.76	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-64.61	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	34.96	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	50.45	
07 72 13 00-0082	EA	26" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,297.64	290.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	93.40	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	223.17	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	20.25	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	128.69	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	141.96	
07 72 13 00-0083	EA	26" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,585.87	323.20
		For Sloped Roofs Up To 1 In 12 Pitch, Add	118.19	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	276.77	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-107.21	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-7.64	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	34.41	
07 72 13 00-0084	EA	38" x 38" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,079.41	258.56
		For Sloped Roofs Up To 1 In 12 Pitch, Add	75.62	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	183.56	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	11.62	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	100.14	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	139.97	
07 72 13 00-0085	EA	38" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,183.55	290.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	82.00	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	200.35	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-61.69	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	31.25	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	68.87	
07 72 13 00-0086	EA	38" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,209.48	290.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	84.59	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	205.54	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-76.38	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	20.99	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	51.97	
07 72 13 00-0087	EA	38" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,232.82	290.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	86.92	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	210.20	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	20.58	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	126.80	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	155.57	
07 72 13 00-0088	EA	38" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,523.64	323.20
		For Sloped Roofs Up To 1 In 12 Pitch, Add	111.96	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	264.33	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	26.56	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	143.84	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	188.10	
07 72 13 00-0089	EA	38" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,674.45	355.52
		For Sloped Roofs Up To 1 In 12 Pitch, Add	123.01	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	290.45	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	32.53	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	167.52	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	220.64	
07 72 13 00-0090	EA	50" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,300.23	290.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	93.66	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	223.69	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-79.30	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	18.05	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	42.40	
07 72 13 00-0091	EA	50" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,417.33	323.20
		For Sloped Roofs Up To 1 In 12 Pitch, Add	101.33	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	243.07	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-95.46	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-4.74	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	39.52	
07 72 13 00-0092	EA	50" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,458.82	323.20
		For Sloped Roofs Up To 1 In 12 Pitch, Add	105.48	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	251.36	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-113.10	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-35.63	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	39.59	
07 72 13 00-0093	EA	50" x 86" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,604.44	355.52
		For Sloped Roofs Up To 1 In 12 Pitch, Add	116.00	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	276.45	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-132.18	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-32.61	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	38.20	

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 72 Roof Accessories

MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 72 13 00-0094	EA	51" x 99" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,724.13	387.83
		For Sloped Roofs Up To 1 In 12 Pitch, Add	123.93	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	296.35	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	34.19	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	158.12	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	213.44	
07 72 13 00-0095	EA	51" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,872.35	420.16
		For Sloped Roofs Up To 1 In 12 Pitch, Add	134.72	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	321.95	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-182.12	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-42.70	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	32.52	
07 72 13 00-0096	EA	62" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,458.82	323.20
		For Sloped Roofs Up To 1 In 12 Pitch, Add	105.48	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	251.36	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	27.22	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	100.25	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	184.34	
07 72 13 00-0097	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,570.73	355.52
		For Sloped Roofs Up To 1 In 12 Pitch, Add	112.63	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	269.71	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-138.07	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-29.62	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	38.97	
07 72 13 00-0098	EA	62" x 86" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,718.95	387.83
		For Sloped Roofs Up To 1 In 12 Pitch, Add	123.42	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	295.31	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-179.20	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-70.76	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	-6.57	
07 72 13 00-0099	EA	62" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,755.25	387.83
		For Sloped Roofs Up To 1 In 12 Pitch, Add	127.05	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	302.57	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	40.50	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	148.93	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	259.58	
07 72 13 00-0100	EA	62" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,906.06	420.16
		For Sloped Roofs Up To 1 In 12 Pitch, Add	138.09	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	328.69	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-226.20	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-115.55	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	26.08	

07 72 13 00-0101 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs (07 72 13 00-0076)

07 72 13 00-0102	EA	26" x 26" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,006.81	258.56
		For Sloped Roofs Up To 1 In 12 Pitch, Add	68.36	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	169.04	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-32.31	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	14.16	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	38.50	
07 72 13 00-0103	EA	26" x 38" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,045.71	258.56
		For Sloped Roofs Up To 1 In 12 Pitch, Add	72.25	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	176.82	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-39.64	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	22.30	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	44.43	
07 72 13 00-0104	EA	26" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,201.70	290.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	83.81	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	203.98	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-48.47	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	28.98	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	44.47	
07 72 13 00-0105	EA	26" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,287.27	290.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	92.37	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	221.09	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-64.61	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	34.96	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	50.45	
07 72 13 00-0106	EA	26" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,357.27	290.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	99.37	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	235.09	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	20.25	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	128.69	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	141.96	
07 72 13 00-0107	EA	26" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,596.24	323.20
		For Sloped Roofs Up To 1 In 12 Pitch, Add	119.22	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	278.85	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-107.21	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-7.64	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	34.41	
07 72 13 00-0108	EA	38" x 38" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,113.12	258.56
		For Sloped Roofs Up To 1 In 12 Pitch, Add	78.99	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	190.30	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	11.62	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	100.14	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	139.97	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0109	EA	38" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,225.04 86.14 208.65 -61.69 31.25 68.87	290.88
07 72 13 00-0110	EA	38" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,258.74 89.51 215.39 -76.38 20.99 51.97	290.88
07 72 13 00-0111	EA	38" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,289.86 92.63 221.61 20.58 126.80 155.57	290.88
07 72 13 00-0112	EA	38" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,585.87 118.19 276.77 26.56 143.84 188.10	323.20
07 72 13 00-0113	EA	38" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,749.64 130.52 305.49 32.53 167.52 220.64	355.52
07 72 13 00-0114	EA	50" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,346.90 98.33 233.02 -79.30 18.05 42.40	290.88
07 72 13 00-0115	EA	50" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,469.19 106.52 253.44 -95.46 -4.74 39.52	323.20
07 72 13 00-0116	EA	50" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,518.45 111.45 263.29 -113.10 -35.63 39.59	323.20
07 72 13 00-0117	EA	50" x 86" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,666.67 122.23 288.89 -132.18 -32.61 38.20	355.52
07 72 13 00-0118	EA	51" x 99" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,796.74 131.19 310.87 34.19 158.12 213.44	387.83
07 72 13 00-0119	EA	51" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,955.32 143.01 338.54 -182.12 -42.70 32.52	420.16
07 72 13 00-0120	EA	62" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,518.45 111.45 263.29 27.22 100.25 184.34	323.20
07 72 13 00-0121	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,638.15 119.38 283.19 -138.07 -29.62 38.97	355.52
07 72 13 00-0122	EA	62" x 86" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,791.55 130.68 309.83 -179.20 -70.76 -6.57	387.83

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 72 Roof Accessories

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 72 13 00-0123	EA	62" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,830.44	387.83
		For Sloped Roofs Up To 1 In 12 Pitch, Add	134.56	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	317.61	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	40.50	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	148.93	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	259.58	
07 72 13 00-0124	EA	62" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,994.22	420.16
		For Sloped Roofs Up To 1 In 12 Pitch, Add	146.90	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	346.32	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-226.20	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-115.55	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	26.08	

07 72 13 00-0125 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs
(07 72 13 00-0076)

07 72 13 00-0126	EA	26" x 26" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,024.96	258.56
		For Sloped Roofs Up To 1 In 12 Pitch, Add	70.18	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	172.67	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-32.31	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	14.16	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	38.50	
07 72 13 00-0127	EA	26" x 38" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,066.45	258.56
		For Sloped Roofs Up To 1 In 12 Pitch, Add	74.33	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	180.97	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-39.64	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	22.30	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	44.43	
07 72 13 00-0128	EA	26" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,225.04	290.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	86.14	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	208.65	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-48.47	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	28.98	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	44.47	
07 72 13 00-0129	EA	26" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,318.38	290.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	95.48	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	227.32	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-64.61	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	34.96	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	50.45	
07 72 13 00-0130	EA	26" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,396.17	290.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	103.26	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	242.87	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	20.25	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	128.69	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	141.96	
07 72 13 00-0131	EA	26" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,679.21	323.20
		For Sloped Roofs Up To 1 In 12 Pitch, Add	127.52	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	295.44	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-107.21	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-7.64	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	34.41	
07 72 13 00-0132	EA	38" x 38" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,139.05	258.56
		For Sloped Roofs Up To 1 In 12 Pitch, Add	81.59	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	195.49	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	11.62	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	100.14	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	139.97	
07 72 13 00-0133	EA	38" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,269.12	290.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	90.55	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	217.46	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-61.69	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	31.25	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	68.87	
07 72 13 00-0134	EA	38" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,315.79	290.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	95.22	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	226.80	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-76.38	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	20.99	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	51.97	
07 72 13 00-0135	EA	38" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,326.16	290.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	96.26	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	228.87	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	20.58	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	126.80	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	155.57	
07 72 13 00-0136	EA	38" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,632.54	323.20
		For Sloped Roofs Up To 1 In 12 Pitch, Add	122.85	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	286.11	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	26.56	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	143.84	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	188.10	
07 72 13 00-0137	EA	38" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,801.50	355.52
		For Sloped Roofs Up To 1 In 12 Pitch, Add	135.71	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	315.86	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	32.53	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	167.52	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	220.64	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0138	EA	50" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,378.02 101.44 239.24 -79.30 18.05 42.40	290.88
07 72 13 00-0139	EA	50" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,401.08 99.71 239.82 -95.46 -4.74 39.52	323.20
07 72 13 00-0140	EA	50" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,557.35 115.34 271.07 -113.10 -35.63 39.59	323.20
07 72 13 00-0141	EA	50" x 86" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,713.34 126.89 298.23 -132.18 -32.61 38.20	355.52
07 72 13 00-0142	EA	51" x 99" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,843.41 135.86 320.20 34.19 158.12 213.44	387.83
07 72 13 00-0143	EA	51" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	2,012.37 148.72 349.95 -182.12 -42.70 32.52	420.16
07 72 13 00-0144	EA	62" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,557.35 115.34 271.07 27.22 100.25 184.34	323.20
07 72 13 00-0145	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,684.82 124.04 292.52 -138.07 -29.62 38.97	355.52
07 72 13 00-0146	EA	62" x 86" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,835.63 135.08 318.65 -179.20 -70.76 -6.57	387.83
07 72 13 00-0147	EA	62" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,882.30 139.75 327.98 40.50 148.93 259.58	387.83
07 72 13 00-0148	EA	62" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	2,051.26 152.61 357.73 -226.20 -115.55 26.08	420.16
07 72 13 00-0149		Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs (07 72 13 00-0001) Note: Includes 1" rigid foam insulation, mill finish galvanized steel exterior wall construction, painted galvanized steel interior wall construction and installation clips.		
07 72 13 00-0150		6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs (07 72 13 00-0149)		
07 72 13 00-0151	EA	14-1/2" To 23" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	967.39 64.42 161.16	258.56
07 72 13 00-0152	EA	23-1/2" To 32" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	1,109.89 78.67 189.66	258.56
07 72 13 00-0153	EA	32-1/2" To 41" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	1,269.94 90.63 217.63	290.88

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 72 Roof Accessories

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
07 72 13 00-0154	EA 41" To 49-1/2" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	1,383.72 102.01 240.38		290.88
07 72 13 00-0155	EA 50" To 58-1/2" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	1,530.69 112.67 265.74		323.20
07 72 13 00-0156	12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs (07 72 13 00-0149)			
07 72 13 00-0157	EA 14-1/2" To 23" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	1,176.05 85.29 202.89		258.56
07 72 13 00-0158	EA 23-1/2" To 32" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	1,369.45 104.63 241.57		258.56
07 72 13 00-0159	EA 32-1/2" To 41" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	1,455.70 109.21 254.78		290.88
07 72 13 00-0160	EA 41" To 49-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	1,528.41 116.48 269.32		290.88
07 72 13 00-0161	EA 50" To 58-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	1,710.99 130.70 301.80		323.20
07 72 13 00-0162	EA 64" To 72-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	2,681.73 223.73 491.91		355.52
07 72 13 00-0163	18" To 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Width Prefabricated Roof Curbs (07 72 13 00-0149)			
07 72 13 00-0164	EA 17-1/2" To 22" Square Outside Dimensions, 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	1,518.86 119.57 271.45		258.56
07 72 13 00-0165	EA 24" To 29" Square Outside Dimensions, 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	1,716.61 139.34 311.00		258.56
07 72 13 00-0166	EA 31" To 46" Square Outside Dimensions, 18" Height, 16 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	2,032.25 166.87 370.09		290.88
07 72 13 00-0167	Wood, Prefabricated Roof Curbs (07 72 13) Note: Includes Douglas fir construction, galvanized steel corner straps, fasteners, sealants, and installation clips. Includes 3/16" wire mesh, 6" x 6" grids, safety security guard with installation clips. Excludes flashing. See CSI section 07 62 13 00-0000 for flashing and trim.			
07 72 13 00-0168	Wood Framed, Prefabricated Roof Curbs (07 72 13 00-0167)			
07 72 13 00-0169	2 x 6 Wood Framed, Prefabricated Roof Curbs (07 72 13 00-0168)			
07 72 13 00-0170	EA 26" x 26" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	825.65 50.25 132.81 -32.31 14.16 38.50		258.56
07 72 13 00-0171	EA 26" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	919.73 55.61 147.59 -48.47 28.98 44.47		290.88
07 72 13 00-0172	EA 26" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	977.27 61.37 159.09 20.25 128.69 141.96		290.88
07 72 13 00-0173	EA 38" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	970.63 60.70 157.77 -76.38 20.99 51.97		290.88

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0174	EA	38" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add EA 38" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add EA 50" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add EA 50" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add EA 51" x 99" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add EA 62" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add EA 62" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add 07 72 13 00-0182 2 x 8 Wood Framed, Prefabricated Roof Curbs (07 72 13 00-0168) EA 26" x 26" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add EA 26" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add EA 26" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add EA 38" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add EA 38" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add EA 38" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	986.12 62.25 160.86 20.58 126.80 155.57 1,104.54 70.05 180.51 26.56 143.84 188.10 981.70 61.81 159.98 -79.30 18.05 42.40 1,124.46 72.05 184.49 -113.10 -35.63 39.59 1,286.06 80.13 208.73 34.19 158.12 213.44 1,084.62 68.06 176.52 27.22 100.25 184.34 1,191.98 74.76 193.96 -138.07 -29.62 38.97 1,330.32 84.55 217.58 40.50 148.93 259.58 838.93 51.57 135.47 -32.31 14.16 38.50 935.22 57.16 150.68 -48.47 28.98 44.47 1,019.32 65.57 167.50 20.25 128.69 141.96 997.19 63.36 163.08 -76.38 20.99 51.97 1,019.32 65.57 167.50 20.58 126.80 155.57 1,137.74 73.37 187.15 26.56 143.84 188.10	290.88 323.20 290.88 323.20 387.83 323.20 355.52 387.83 258.56 290.88 290.88 290.88 290.88 323.20

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 72 Roof Accessories

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
07 72 13 00-0189	EA 50" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,006.04 64.24 164.85 -79.30 18.05 42.40		290.88	
07 72 13 00-0190	EA 50" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,155.44 75.14 190.69 -113.10 -35.63 39.59		323.20	
07 72 13 00-0191	EA 51" x 99" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,317.04 83.22 214.93 34.19 158.12 213.44		387.83	
07 72 13 00-0192	EA 62" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,108.97 70.50 181.39 27.22 100.25 184.34		323.20	
07 72 13 00-0193	EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,220.75 77.64 199.71 -138.07 -29.62 38.97		355.52	
07 72 13 00-0194	EA 62" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,361.30 87.65 223.78 40.50 148.93 259.58		387.83	
07 72 13 00-0195	2 x 10 Wood Framed, Prefabricated Roof Curbs (07 72 13 00-0188)				
07 72 13 00-0196	EA 26" x 26" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	847.78 52.46 137.24 -32.31 14.16 38.50		258.56	
07 72 13 00-0197	EA 26" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	950.71 58.71 153.78 -48.47 28.98 44.47		290.88	
07 72 13 00-0198	EA 26" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,023.74 66.01 168.39 20.25 128.69 141.96		290.88	
07 72 13 00-0199	EA 38" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,012.68 64.91 166.18 -76.38 20.99 51.97		290.88	
07 72 13 00-0200	EA 38" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,039.23 67.56 171.49 20.58 126.80 155.57		290.88	
07 72 13 00-0201	EA 38" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,159.87 75.59 191.57 26.56 143.84 188.10		323.20	
07 72 13 00-0202	EA 50" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,021.53 65.79 167.95 -79.30 18.05 42.40		290.88	
07 72 13 00-0203	EA 50" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,175.36 77.14 194.67 -113.10 -35.63 39.59		323.20	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0204	EA	51" x 99" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,336.96	387.83
		For Sloped Roofs Up To 1 In 12 Pitch, Add	85.22	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	218.91	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	34.19	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	158.12	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	213.44	
07 72 13 00-0205	EA	62" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,124.46	323.20
		For Sloped Roofs Up To 1 In 12 Pitch, Add	72.05	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	184.49	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	27.22	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	100.25	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	184.34	
07 72 13 00-0206	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,238.45	355.52
		For Sloped Roofs Up To 1 In 12 Pitch, Add	79.41	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	203.25	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-138.07	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-29.62	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	38.97	
07 72 13 00-0207	EA	62" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,383.43	387.83
		For Sloped Roofs Up To 1 In 12 Pitch, Add	89.86	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	228.21	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	40.50	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	148.93	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	259.58	
07 72 13 00-0208		2 x 12 Wood Framed, Prefabricated Roof Curbs (07 72 13 00-0168)		
07 72 13 00-0209	EA	26" x 26" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	858.85	258.56
		For Sloped Roofs Up To 1 In 12 Pitch, Add	53.57	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	139.45	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-32.31	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	14.16	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	38.50	
07 72 13 00-0210	EA	26" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	959.56	290.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	59.60	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	155.55	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-48.47	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	28.98	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	44.47	
07 72 13 00-0211	EA	26" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	1,043.66	290.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	68.01	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	172.37	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	20.25	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	128.69	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	141.96	
07 72 13 00-0212	EA	38" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	1,061.36	290.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	69.78	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	175.91	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	20.58	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	126.80	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	155.57	
07 72 13 00-0213	EA	38" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	1,184.21	323.20
		For Sloped Roofs Up To 1 In 12 Pitch, Add	78.02	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	196.44	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	26.56	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	143.84	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	188.10	
07 72 13 00-0214	EA	50" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	1,041.45	290.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	67.79	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	171.93	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-79.30	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	18.05	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	42.40	
07 72 13 00-0215	EA	50" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	1,197.49	323.20
		For Sloped Roofs Up To 1 In 12 Pitch, Add	79.35	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	199.10	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-113.10	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-35.63	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	39.59	
07 72 13 00-0216	EA	51" x 99" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	1,363.51	387.83
		For Sloped Roofs Up To 1 In 12 Pitch, Add	87.87	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	224.22	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	34.19	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	158.12	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	213.44	
07 72 13 00-0217	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	1,256.16	355.52
		For Sloped Roofs Up To 1 In 12 Pitch, Add	81.18	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	206.79	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-138.07	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-29.62	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	38.97	
07 72 13 00-0218		Wood Framed With Liner, Prefabricated Roof Curbs (07 72 13 00-0167)		
07 72 13 00-0219		2 x 6 Wood Framed With Liner, Prefabricated Roof Curbs (07 72 13 00-0218)		

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 72 Roof Accessories

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 72 13 00-0220	EA	26" x 26" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	843.36	258.56
		For Sloped Roofs Up To 1 In 12 Pitch, Add	52.02	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	136.35	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-32.31	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	14.16	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	38.50	
07 72 13 00-0221	EA	26" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	935.22	290.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	57.16	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	150.68	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-48.47	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	28.98	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	44.47	
07 72 13 00-0222	EA	26" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	1,006.04	290.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	64.24	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	164.85	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	20.25	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	128.69	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	141.96	
07 72 13 00-0223	EA	38" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	990.55	290.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	62.70	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	161.75	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-76.38	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	20.99	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	51.97	
07 72 13 00-0224	EA	38" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	1,010.46	290.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	64.69	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	165.73	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	20.58	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	126.80	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	155.57	
07 72 13 00-0225	EA	38" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	1,131.10	323.20
		For Sloped Roofs Up To 1 In 12 Pitch, Add	72.71	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	185.82	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	26.56	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	143.84	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	188.10	
07 72 13 00-0226	EA	50" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	1,001.61	290.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	63.80	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	163.96	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-79.30	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	18.05	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	42.40	
07 72 13 00-0227	EA	50" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	1,148.80	323.20
		For Sloped Roofs Up To 1 In 12 Pitch, Add	74.48	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	189.36	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-113.10	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-35.63	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	39.59	
07 72 13 00-0228	EA	51" x 99" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	1,310.40	387.83
		For Sloped Roofs Up To 1 In 12 Pitch, Add	82.56	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	213.60	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	34.19	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	158.12	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	213.44	
07 72 13 00-0229	EA	62" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	1,111.18	323.20
		For Sloped Roofs Up To 1 In 12 Pitch, Add	70.72	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	181.84	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	27.22	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	100.25	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	184.34	
07 72 13 00-0230	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	1,216.32	355.52
		For Sloped Roofs Up To 1 In 12 Pitch, Add	77.19	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	198.82	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-138.07	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-29.62	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	38.97	
07 72 13 00-0231	EA	62" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	1,361.30	387.83
		For Sloped Roofs Up To 1 In 12 Pitch, Add	87.65	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	223.78	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	40.50	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	148.93	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	259.58	

07 72 13 00-0232 2 x 8 Wood Framed With Liner, Prefabricated Roof Curbs (07 72 13 00-0218)

07 72 13 00-0233	EA	26" x 26" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	858.85	258.56
		For Sloped Roofs Up To 1 In 12 Pitch, Add	53.57	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	139.45	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-32.31	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	14.16	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	38.50	
07 72 13 00-0234	EA	26" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	952.93	290.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	58.93	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	154.23	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-48.47	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	28.98	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	44.47	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0235	EA	26" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,032.59 66.90 170.16 20.25 128.69 141.96	290.88
07 72 13 00-0236	EA	38" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,017.10 65.35 167.06 -76.38 20.99 51.97	290.88
07 72 13 00-0237	EA	38" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,045.87 68.23 172.81 20.58 126.80 155.57	290.88
07 72 13 00-0238	EA	38" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,170.93 76.69 193.79 26.56 143.84 188.10	323.20
07 72 13 00-0239	EA	50" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,032.59 66.90 170.16 -79.30 18.05 42.40	290.88
07 72 13 00-0240	EA	50" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,186.42 78.24 196.88 -113.10 -35.63 39.59	323.20
07 72 13 00-0241	EA	51" x 99" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,352.45 86.77 222.01 34.19 158.12 213.44	387.83
07 72 13 00-0242	EA	62" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,139.95 73.60 187.59 27.22 100.25 184.34	323.20
07 72 13 00-0243	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,249.52 80.51 205.46 -138.07 -29.62 38.97	355.52
07 72 13 00-0244	EA	62" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,398.92 91.41 231.30 40.50 148.93 259.58	387.83
07 72 13 00-0245		2 x 10 Wood Framed With Liner, Prefabricated Roof Curbs (07 72 13 00-0218)		
07 72 13 00-0246	EA	26" x 26" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	872.13 54.89 142.11 -32.31 14.16 38.50	258.56
07 72 13 00-0247	EA	26" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	970.63 60.70 157.77 -48.47 28.98 44.47	290.88
07 72 13 00-0248	EA	26" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,059.15 69.56 175.47 20.25 128.69 141.96	290.88
07 72 13 00-0249	EA	38" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,037.02 67.34 171.04 -76.38 20.99 51.97	290.88

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 72 Roof Accessories

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
07 72 13 00-0250	EA 38" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,072.43 70.88 178.13 20.58 126.80 155.57		290.88
07 72 13 00-0251	EA 38" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,199.70 79.57 199.54 26.56 143.84 188.10		323.20
07 72 13 00-0252	EA 50" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,052.51 68.89 174.14 -79.30 18.05 42.40		290.88
07 72 13 00-0253	EA 50" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,210.77 80.68 201.75 -113.10 -35.63 39.59		323.20
07 72 13 00-0254	EA 51" x 99" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,379.00 89.42 227.32 34.19 158.12 213.44		387.83
07 72 13 00-0255	EA 62" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,162.08 75.81 192.02 27.22 100.25 184.34		323.20
07 72 13 00-0256	EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,273.86 82.95 210.33 -138.07 -29.62 38.97		355.52
07 72 13 00-0257	EA 62" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,427.69 94.29 237.06 40.50 148.93 259.58		387.83
07 72 13 00-0258	2 x 12 Wood Framed With Liner, Prefabricated Roof Curbs (07 72 13 00-0218)			
07 72 13 00-0259	EA 26" x 26" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	898.68 57.55 147.42 -32.31 14.16 38.50		258.56
07 72 13 00-0260	EA 26" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	983.91 62.03 160.42 -48.47 28.98 44.47		290.88
07 72 13 00-0261	EA 26" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,079.07 71.55 179.45 20.25 128.69 141.96		290.88
07 72 13 00-0262	EA 38" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,094.56 73.10 182.55 20.58 126.80 155.57		290.88
07 72 13 00-0263	EA 38" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,283.80 87.98 216.36 26.56 143.84 188.10		323.20
07 72 13 00-0264	EA 50" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,116.69 75.31 186.98 -79.30 18.05 42.40		290.88

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0265	EA	50" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,288.22 88.42 217.24 -113.10 -35.63 39.59	323.20
07 72 13 00-0266	EA	51" x 99" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,467.52 98.27 245.02 34.19 158.12 213.44	387.83
07 72 13 00-0267	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,355.74 91.13 226.71 -138.07 -29.62 38.97	355.52
07 72 23 Relief Vents (07 72)				
07 72 23 00-0001		Wind Driven Turbine Ventilators (07 72 23) Note: Excludes curb or flange base.		
07 72 23 00-0002		Galvanized Steel, Wind Driven Turbine Ventilators (07 72 23 00-0001)		
07 72 23 00-0003	EA	6" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator For Curb Or Flange Base, Add	210.05 244.37	49.43
07 72 23 00-0004	EA	9" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator For Curb Or Flange Base, Add	251.13 269.29	54.73
07 72 23 00-0005	EA	12" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator For Curb Or Flange Base, Add	272.91 302.26	65.32
07 72 23 00-0006	EA	15" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator For Curb Or Flange Base, Add	509.18 467.71	72.38
07 72 23 00-0007	EA	18" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator For Curb Or Flange Base, Add	696.24 508.02	81.20
07 72 23 00-0008	EA	21" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator For Curb Or Flange Base, Add	837.14 551.01	88.26
07 72 23 00-0009	EA	24" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator For Curb Or Flange Base, Add	1,065.81 670.15	98.86
07 72 23 00-0010	EA	36" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator For Curb Or Flange Base, Add	1,752.41 1,082.95	132.40
07 72 23 00-0011		Mill Finish Aluminum, Wind Driven Turbine Ventilators (07 72 23 00-0001)		
07 72 23 00-0012	EA	6" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator For Curb Or Flange Base, Add	195.98 244.88	49.43
07 72 23 00-0013	EA	9" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator For Curb Or Flange Base, Add	242.38 270.43	54.73
07 72 23 00-0014	EA	12" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator For Curb Or Flange Base, Add	272.91 303.07	65.32
07 72 23 00-0015	EA	15" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator For Curb Or Flange Base, Add	471.19 492.98	72.38
07 72 23 00-0016	EA	18" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator For Curb Or Flange Base, Add	603.98 529.09	81.20
07 72 23 00-0017	EA	21" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator For Curb Or Flange Base, Add	759.06 593.60	88.26
07 72 23 00-0018	EA	24" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator For Curb Or Flange Base, Add	1,018.62 712.62	98.86
07 72 23 00-0019	EA	36" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator For Curb Or Flange Base, Add	1,512.43 1,061.36	132.40
07 72 23 00-0020		Stationary Siphon Ventilators (07 72 23) Note: Excludes curb or flange base.		
07 72 23 00-0021		Galvanized Steel, Stationary Siphon Ventilators (07 72 23 00-0020)		
07 72 23 00-0022	EA	6" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator For Curb Or Flange Base, Add	179.43 244.37	49.43
07 72 23 00-0023	EA	9" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator For Curb Or Flange Base, Add	233.62 269.29	54.73
07 72 23 00-0024	EA	12" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator For Curb Or Flange Base, Add	258.56 302.26	65.32
07 72 23 00-0025	EA	15" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator For Curb Or Flange Base, Add	430.62 467.71	72.38
07 72 23 00-0026	EA	18" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator For Curb Or Flange Base, Add	497.42 508.02	81.20
07 72 23 00-0027	EA	21" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator For Curb Or Flange Base, Add	696.63 551.01	88.26
07 72 23 00-0028	EA	24" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator For Curb Or Flange Base, Add	902.96 670.15	98.86
07 72 23 00-0029	EA	36" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator For Curb Or Flange Base, Add	1,305.69 1,082.95	132.40
07 72 23 00-0030		Mill Finish Aluminum, Stationary Siphon Ventilators (07 72 23 00-0020)		
07 72 23 00-0031	EA	6" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator For Curb Or Flange Base, Add	189.02 244.88	49.43

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 72 Roof Accessories

MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 72 23 00-0032	EA	9" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator.....	246.54	54.73
		<i>For Curb Or Flange Base, Add</i>	270.43	
07 72 23 00-0033	EA	12" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator.....	276.40	65.32
		<i>For Curb Or Flange Base, Add</i>	303.07	
07 72 23 00-0034	EA	15" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator.....	438.40	72.38
		<i>For Curb Or Flange Base, Add</i>	492.98	
07 72 23 00-0035	EA	18" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator.....	548.28	81.20
		<i>For Curb Or Flange Base, Add</i>	529.09	
07 72 23 00-0036	EA	21" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator.....	668.52	88.26
		<i>For Curb Or Flange Base, Add</i>	593.60	
07 72 23 00-0037	EA	24" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator.....	949.02	98.86
		<i>For Curb Or Flange Base, Add</i>	712.62	
07 72 23 00-0038	EA	36" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator.....	1,423.46	132.40
		<i>For Curb Or Flange Base, Add</i>	1,061.36	

07 72 23 00-0039 Spun Aluminum, Stationary Mushroom Gravity Ventilators (07 72 23)

Note: Includes flange base and bird screen. Excludes curb.

07 72 23 00-0040	EA	8" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	397.46	79.44
		<i>For Backdraft Damper, Add</i>	189.08	
		<i>For Curb Base, Add</i>	299.48	
07 72 23 00-0041	EA	10" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	485.38	88.26
		<i>For Backdraft Damper, Add</i>	206.87	
		<i>For Curb Base, Add</i>	327.81	
07 72 23 00-0042	EA	12" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	551.75	105.92
		<i>For Backdraft Damper, Add</i>	282.50	
		<i>For Curb Base, Add</i>	414.28	
07 72 23 00-0043	EA	16" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	667.22	116.52
		<i>For Backdraft Damper, Add</i>	322.54	
		<i>For Curb Base, Add</i>	478.62	
07 72 23 00-0044	EA	24" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	1,707.39	158.89
		<i>For Backdraft Damper, Add</i>	404.85	
		<i>For Curb Base, Add</i>	631.43	
07 72 23 00-0045	EA	30" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	2,080.60	183.59
		<i>For Backdraft Damper, Add</i>	478.25	
		<i>For Curb Base, Add</i>	753.38	
07 72 23 00-0046	EA	36" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	2,818.54	211.84
		<i>For Backdraft Damper, Add</i>	478.25	
		<i>For Curb Base, Add</i>	788.52	
07 72 23 00-0047	EA	42" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	3,932.62	229.50
		<i>For Backdraft Damper, Add</i>	500.50	
		<i>For Curb Base, Add</i>	819.39	
07 72 23 00-0048	EA	48" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	5,622.83	247.15
		<i>For Backdraft Damper, Add</i>	556.11	
		<i>For Curb Base, Add</i>	919.21	

07 72 23 00-0049 Galvanized Steel, Stationary Gooseneck Ventilators (07 72 23)

Note: Includes flange base and bird screen. Excludes curb.

07 72 23 00-0050	EA	8" x 8", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator.....	733.11	88.26
07 72 23 00-0051	EA	12" x 12", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator.....	864.13	116.52
07 72 23 00-0052	EA	16" x 16", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator.....	1,241.32	158.89
07 72 23 00-0053	EA	24" x 24", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator.....	1,906.09	183.59

07 72 26 Ridge Vents (07 72)

07 72 26 00-0001 Aluminum Ridge Vents (07 72 26)

07 72 26 00-0002	LF	Aluminum Ridge Vent Strips	18.99	5.12
07 72 26 00-0003	EA	Aluminum Ridge Univent Connectors	78.97	31.82
07 72 26 00-0004	EA	Aluminum Ridge Univent End Cap	74.37	31.82

07 72 26 00-0005 Galvanized Ridge Vents (07 72 26)

07 72 26 00-0006	LF	Galvanized Sheet Metal Ridge Vent Strips	17.87	5.48
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07 72 29 Rafter Vent (07 72)

07 72 29 00-0001 Rafter Vent (07 72 29)

Note: Built-in baffle is designed to help keep air flowing freely from soffits to ridge vents.

07 72 29 00-0002	EA	22" x 4" Rafter Vent	11.58	
07 72 29 00-0003	EA	14" x 4" Rafter Vent	10.47	

07 72 33 Roof Hatches (07 72)

Note: Includes curb with integral insulation, lockable hatch and gaskets.

07 72 33 00-0001 Galvanized Steel Cover And Curb (07 72 33)

07 72 33 00-0002	EA	2'-6" x 3'-0" Galvanized Steel Roof Hatch	1,601.51	211.34
07 72 33 00-0003	EA	2'-6" x 4'-6" Galvanized Steel Roof Hatch	2,327.99	234.82
07 72 33 00-0004	EA	2'-6" x 8'-0" Galvanized Steel Roof Hatch	4,083.10	320.24
07 72 33 00-0005	EA	3'-0" x 3'-0" Galvanized Steel Roof Hatch	2,290.54	234.82
07 72 33 00-0006	EA	4'-0" x 4'-0" Galvanized Steel Roof Hatch	2,583.61	260.95
07 72 33 00-0007	EA	3'-0" x 8'-0" Galvanized Steel Roof Hatch	4,218.48	355.90

07 72 33 00-0008 Aluminum Cover And Curb (07 72 33)

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 33 00-0009	EA	2'-6" x 3'-0" Aluminum Roof Hatch.....	1,349.76	211.34
07 72 33 00-0010	EA	2'-6" x 4'-6" Aluminum Roof Hatch.....	1,728.19	234.82
07 72 33 00-0011	EA	2'-6" x 8'-0" Aluminum Roof Hatch.....	3,071.21	320.24
07 72 33 00-0012	EA	3'-0" x 3'-0" Aluminum Roof Hatch.....	1,683.16	234.82
07 72 33 00-0013	EA	4'-0" x 4'-0" Aluminum Roof Hatch.....	2,903.83	260.95
07 72 33 00-0014	EA	3'-0" x 8'-0" Aluminum Roof Hatch.....	3,230.34	355.90
07 72 33 00-0015	EA	3'-0" x 2'-6" Aluminum Roof Scuttle With Skylight.....	1,865.69	234.82
07 72 33 00-0016 Steel, Plain, Primed (07 72 33)				
07 72 33 00-0017	EA	2'-6" x 3'-0" Plain Steel Roof Hatch Primed.....	1,538.29	211.34
07 72 33 00-0018	EA	2'-6" x 4'-6" Plain Steel Roof Hatch Primed.....	2,065.42	234.82
07 72 33 00-0019	EA	2'-6" x 8'-0" Plain Steel Roof Hatch Primed.....	2,829.09	320.24
07 72 33 00-0020	EA	3'-0" x 3'-0" Plain Steel Roof Hatch Primed.....	1,917.27	234.82
07 72 33 00-0021	EA	4'-0" x 4'-0" Plain Steel Roof Hatch Primed.....	2,342.78	260.95
07 72 33 00-0022	EA	3'-0" x 8'-0" Plain Steel Roof Hatch Primed.....	3,182.94	355.90
07 72 33 00-0023 Stainless Steel (07 72 33)				
07 72 33 00-0024	EA	2'-6" x 3'-0" Stainless Steel Roof Hatch.....	3,162.03	211.34
07 72 33 00-0025	EA	2'-6" x 4'-6" Stainless Steel Roof Hatch.....	5,977.22	234.82
07 72 33 00-0026	EA	2'-6" x 8'-0" Stainless Steel Roof Hatch.....	8,974.12	320.24
07 72 33 00-0027	EA	3'-0" x 3'-0" Stainless Steel Roof Hatch.....	4,809.85	234.82
07 72 33 00-0028	EA	4'-0" x 4'-0" Stainless Steel Roof Hatch.....	10,070.31	260.95
07 72 33 00-0029	EA	3'-0" x 8'-0" Stainless Steel Roof Hatch.....	11,303.66	355.90
07 72 33 00-0030 Removal And Reinstallation Of Roof Hatch (07 72 33)				
Note: Includes storage, cleaning and supply materials.				
07 72 33 00-0031	EA	Removal And Reinstallation Of Roof Hatch (All Types).....	650.04	
07 72 33 00-0032 Aluminum Cover And Galvanized Steel Curb (07 72 33)				
07 72 33 00-0033	EA	Aluminum Cover, Galvanized Steel Curb 3'-0" x 2'-6" Roof.....	1,311.82	234.82
07 72 33 00-0034	EA	Aluminum Cover, Galvanized Steel Curb 2'-6" x 4'-6" Roof.....	1,690.26	260.95
07 72 33 00-0035	EA	Aluminum Cover, Galvanized Steel Curb 2'-6" x 8'-0" Roof.....	2,972.58	355.76
07 72 33 00-0036	EA	Aluminum Cover, Galvanized Steel Curb 3'-0" x 3'-0" Roof.....	1,652.81	242.16
07 72 33 00-0037	EA	Aluminum Cover, Galvanized Steel Curb 4'-0" x 4'-0" Roof.....	2,820.37	268.29
07 72 33 00-0038 Roof Hatch Accessories (07 72 33)				
07 72 33 00-0039	EA	Enamel Steel, Roof Hatch Ladderup Safety Post.....	988.48	110.07
07 72 33 00-0040 Roof Hatch Safety Railing (07 72 33)				
Note: Included mounting bracket to attach to roof hatch				
07 72 33 00-0041	EA	24" x 24" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate.....	2,220.26	
07 72 33 00-0042	EA	24" x 36" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate.....	2,306.32	
07 72 33 00-0043	EA	30" x 30" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate.....	2,361.14	
07 72 33 00-0044	EA	30" x 36" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate.....	2,564.40	
07 72 33 00-0045	EA	36" x 36" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate.....	2,799.58	
07 72 33 00-0046	EA	48" x 48" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate.....	3,552.26	
07 72 36 Smoke Vents (07 72)				
07 72 36 00-0001 Fire Vent (07 72 36)				
07 72 36 00-0002 Galvanized Steel Covers And Curb (07 72 36 00-0001)				
07 72 36 00-0003	EA	4'-0" x 4'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent.....	4,050.36	195.79
07 72 36 00-0004	EA	4'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent.....	4,666.18	269.16
07 72 36 00-0005	EA	4'-0" x 7'-6" Galvanized Steel Covers And Curb, Smoke And Fire Vent.....	5,316.96	293.67
07 72 36 00-0006	EA	4'-0" x 8'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent.....	5,423.27	308.35
07 72 36 00-0007	EA	5'-0" x 5'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent.....	6,279.69	269.16
07 72 36 00-0008	EA	5'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent.....	6,677.61	293.67
07 72 36 00-0009	EA	5'-0" x 7'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent.....	7,051.44	318.19
07 72 36 00-0010	EA	5'-0" x 8'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent.....	8,027.33	342.69
07 72 36 00-0011	EA	5'-0" x 10'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent.....	9,954.48	367.05
07 72 36 00-0012	EA	5'-6" x 5'-6" Galvanized Steel Covers And Curb, Smoke And Fire Vent.....	6,678.16	318.19
07 72 36 00-0013	EA	5'-6" x 12'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent.....	14,012.93	391.56
07 72 36 00-0014	EA	6'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent.....	7,703.93	416.07
07 72 36 00-0015 Aluminum Covers And Galvanized Steel Curb (07 72 36 00-0001)				
07 72 36 00-0016	EA	4'-0" x 4'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent.....	2,751.79	195.79
07 72 36 00-0017	EA	4'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent.....	3,172.96	269.16
07 72 36 00-0018	EA	4'-0" x 7'-6" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent.....	3,566.24	293.67
07 72 36 00-0019	EA	4'-0" x 8'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent.....	3,694.49	308.35
07 72 36 00-0020	EA	5'-0" x 5'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent.....	3,575.08	269.16
07 72 36 00-0021	EA	5'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent.....	4,544.99	293.67
07 72 36 00-0022	EA	5'-0" x 7'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent.....	4,862.40	318.19
07 72 36 00-0023	EA	5'-0" x 8'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent.....	4,747.34	342.69
07 72 36 00-0024	EA	5'-0" x 10'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent.....	6,620.14	367.05
07 72 36 00-0025	EA	5'-6" x 5'-6" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent.....	4,596.85	318.19
07 72 36 00-0026	EA	5'-6" x 12'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent.....	8,644.71	391.56

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 72 Roof Accessories

MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 72 36 00-0027 EA 6'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent4,553.93 416.07

07 72 36 00-0028 Aluminum Covers And Curb (07 72 36 00-0001)

07 72 36 00-0029 EA 4'-0" x 4'-0" Aluminum Covers And Curb, Smoke And Fire Vent2,994.58 195.79
 07 72 36 00-0030 EA 4'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent3,575.08 269.16
 07 72 36 00-0031 EA 4'-0" x 7'-6" Aluminum Covers And Curb, Smoke And Fire Vent3,922.84 293.67
 07 72 36 00-0032 EA 4'-0" x 8'-0" Aluminum Covers And Curb, Smoke And Fire Vent4,149.72 308.35
 07 72 36 00-0033 EA 5'-0" x 5'-0" Aluminum Covers And Curb, Smoke And Fire Vent3,757.17 269.16
 07 72 36 00-0034 EA 5'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent4,734.67 293.67
 07 72 36 00-0035 EA 5'-0" x 7'-0" Aluminum Covers And Curb, Smoke And Fire Vent5,029.32 318.19
 07 72 36 00-0036 EA 5'-0" x 8'-0" Aluminum Covers And Curb, Smoke And Fire Vent5,202.57 342.69
 07 72 36 00-0037 EA 5'-0" x 10'-0" Aluminum Covers And Curb, Smoke And Fire Vent.....6,293.89 367.05
 07 72 36 00-0038 EA 5'-6" x 5'-6" Aluminum Covers And Curb, Smoke And Fire Vent4,809.29 318.19
 07 72 36 00-0039 EA 5'-6" x 12'-0" Aluminum Covers And Curb, Smoke And Fire Vent.....9,426.20 391.56
 07 72 36 00-0040 EA 6'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent5,009.16 416.07

07 72 36 00-0041 Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb (07 72 36)

07 72 36 00-0042 EA 4'-0" x 4'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent.....2,964.23 195.19
 07 72 36 00-0043 EA 4'-0" x 6'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent.....3,764.75 269.16
 07 72 36 00-0044 EA 4'-0" x 8'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent.....3,990.37 308.35
 07 72 36 00-0045 EA 5'-0" x 5'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent.....4,257.93 269.16
 07 72 36 00-0046 EA 5'-0" x 8'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent.....4,519.74 342.69

07 72 46 Roof Walkways (07 72)

07 72 46 00-0001 Recycled Rubber Walkway Pads (07 72 46)

07 72 46 00-0002 SF 3/8" Thick, Button Surface, Recycled Rubber Walkway Pad13.04 3.10
For Diamond Surface, Add 1.16
 07 72 46 00-0003 SF 1/2" Thick, Button Surface, Recycled Rubber Walkway Pad14.54 3.72
For Diamond Surface, Add 1.35
 07 72 46 00-0004 SF 3/4" Thick, Button Surface, Recycled Rubber Walkway Pad16.05 3.72
For Diamond Surface, Add 1.51

07 72 53 Snow Guards (07 72)

07 72 53 00-0001 Snow Guards For Shingle And Tile Roofs (07 72 53)

07 72 53 00-0002 EA 6-5/8" Length, 1-1/2" Width, Copper Snow Guards For Shingle And Tile Roofs.....25.68 3.21
 07 72 53 00-0003 EA 6-5/8" Length, 1-1/2" Width, Lead Coated Copper Snow Guards For Shingle And Tile Roofs28.10 3.21
 07 72 53 00-0004 EA 6-5/8" Length, 1-1/2" Width, Stainless Steel Snow Guards For Shingle And Tile Roofs.....26.50 3.21
 07 72 53 00-0005 EA 6-5/8" Length, 1-1/2" Width, Aluminum Snow Guards For Shingle And Tile Roofs.....15.31 3.21

07 72 53 00-0006 Snow Guards For Metal Roofs (07 72 53)

Note: Aluminum construction.

07 72 53 00-0007 EA Mill Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300)32.81 6.31
 07 72 53 00-0008 EA Black Primer Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300).....36.36 6.31
 07 72 53 00-0009 EA Bronze Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300).....53.18 6.31
 07 72 53 00-0010 EA Painted Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300).....52.43 6.31
 07 72 53 00-0011 EA Mill Finish, Up To 1/2" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® AP 516)49.48 7.37
 07 72 53 00-0012 EA Black Primer Finish, Up To 1/2" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® AP 516).....53.95 7.37
 07 72 53 00-0013 EA Painted Finish, Up To 1/2" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® AP 516).....67.09 7.37
 07 72 53 00-0014 EA Mill Finish, Adhesive Surface Mount, Metal Roof Snow Guard (Berger Real Tool® SM)28.67 5.53
For Mechanically Fastened, Add 11.05
 07 72 53 00-0015 EA Black Primer Finish, Adhesive Surface Mount, Metal Roof Snow Guard (Berger Real Tool® SM)32.36 5.53
For Mechanically Fastened, Add 11.05
 07 72 53 00-0016 EA Painted Finish, Adhesive Surface Mount, Metal Roof Snow Guard (Berger Real Tool® SM).....44.91 5.53
For Mechanically Fastened, Add 11.05
 07 72 53 00-0017 EA Polycarbonate, Adhesive Surface Mount, Metal Roof Snow Guard (Zaleski #15)17.69 5.53
 Note: Can be used for metal, rubber, PVC, TPO or glass roofing.
For Mechanically Fastened, Add 14.73

07 72 53 00-0018 Snow Breaker For Roofs (07 72 53)

07 72 53 00-0019 EA Up To 50 Each, 2.875" Tall Plastic Snow Breaker, Adhesive Mount21.87 7.37
 07 72 53 00-0020 EA >50 To 150 Each, 2.875" Tall Plastic Snow Breaker, Adhesive Mount.....20.71 7.37
 07 72 53 00-0021 EA >150 To 500 Each, 2.875" Tall Plastic Snow Breaker, Adhesive Mount.....20.13 7.37
 07 72 53 00-0022 EA >500 Each, 2.875" Tall Plastic Snow Breaker, Adhesive Mount19.44 7.37

07 72 53 00-0023 Ice Breaker For Vents (07 72 53)

07 72 53 00-0024 EA Ice Breaker For Vents Up to 4", Mechanically Fastened.....162.49
 07 72 53 00-0025 EA Ice Breaker For Vents And Stacks >4" To 14" Diameter, Mechanically Fastened186.35

07 72 53 00-0026 Pipe Style, Snow Guards For Metal Roofs (07 72 53)

07 72 53 00-0027 Pipe Style, Standing Seam Metal Roof Snow Guard Clamps (07 72 53 00-0026)

Note: Aluminum construction. Includes clamp for attaching to standing seam. Excludes tubing.

07 72 53 00-0028 EA Single Tube, "U" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 2000).....81.11 22.10

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 53 00-0029	EA	Single Tube, "T2 or Z2K" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 2000).....	95.33	22.10
07 72 53 00-0030	EA	Double Tube, "U" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 4000).....	106.69	22.10
07 72 53 00-0031	EA	Double Tube, "T2K or Z2K" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 4000).....	131.13	22.10
07 72 53 00-0032	EA	Triple Tube, "U" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 6000).....	136.28	26.52
07 72 53 00-0033		Tubing For Snow Guard Clamps (07 72 53 00-0026)		
07 72 53 00-0034	LF	1" Outside Diameter Aluminum Tubing For Snow Guard Clamps (Alpine SnowGuards®)..... Note: Includes end caps, collars and couplings.	17.11	5.30
07 72 53 00-0035	LF	1" Outside Diameter Brass Or Stainless Steel Tubing For Snow Guard Clamps (Alpine SnowGuards®)..... Note: Includes end caps, collars and couplings.	32.21	5.30
07 72 56		Snow/Ice Melt Cable (07 72)		
07 72 56 00-0001		Self Regulating Heating Cable For Roofs And Gutters (07 72 56)		
07 72 56 00-0002	LF	12 Watt, 120 Volt, Self Regulating Low Temperature Cable For Roofs And Gutters..... Note: Nickel-coated copper braided cable with weatherproof jacket.	17.44	1.17
07 72 56 00-0003	LF	12 Watt, 208/277 Volt Self Regulating Low Temperature Cable For Roofs And Gutters..... Note: Nickel-coated copper braided cable with weatherproof jacket.	18.77	1.17
07 72 56 00-0004	EA	Power Connection, End Seal And Warning Labels Kit For Self Regulating Heating Cable For Roofs And Gutters.....	252.54	88.18
07 72 56 00-0005	EA	Splice Kit For Self Regulating Heating Cable For Roofs And Gutters.....	193.40	64.67
07 72 56 00-0006	EA	Edge Of Roof Cable Clips For Self Regulating Heating Cable For Roofs And Gutters..... For >5, Deduct	9.36 -0.71	3.52
07 72 56 00-0007	EA	Roof Cable Clips For Self Regulating Heating Cable For Roofs And Gutters..... For >5, Deduct	8.79 -0.65	3.52
07 72 56 00-0008	EA	Downspout Hanger Kit For Self Regulating Heating Cable For Roofs And Gutters.....	66.37	8.82
07 72 56 00-0009	EA	120 Volt AC, Snow Switch, Automatic Control For Melting Snow.....	1,096.32	70.54
07 72 56 00-0010	EA	Automatic Gutter Ice Melting Control.....	1,506.42	88.18
07 72 63		Waste Containment Assemblies (07 72)		
07 72 63 00-0001		Rooftop Oil And Grease Containment System (07 72 63)		
07 72 63 00-0002		Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD-E) (07 72 63 00-0001)		
07 72 63 00-0003	EA	48" Length, 48" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD100-E).....	3,247.75	258.03
07 72 63 00-0004	EA	60" Length, 60" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD101-E).....	3,626.53	258.03
07 72 63 00-0005	EA	60" Length, 90" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD106-E).....	4,443.60	268.35
07 72 63 00-0006	EA	72" Length, 72" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD102-E).....	4,421.95	268.35
07 72 63 00-0007	EA	72" Length, 108" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD103-E).....	5,769.26	290.28
07 72 63 00-0008	EA	72" Length, 144" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD111-E).....	4,508.11	290.28
07 72 63 00-0009	EA	90" Length, 90" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD105-E).....	5,026.62	343.94
07 72 63 00-0010	EA	108" Length, 108" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD112-E).....	7,395.57	430.00
07 72 63 00-0011	EA	120" Length, 120" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD107-E).....	9,170.91	430.00
07 72 63 00-0012	EA	144" Length, 144" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD113-E).....	11,606.60	430.00
07 72 63 00-0013		Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD) (07 72 63 00-0001)		
07 72 63 00-0014	EA	48" Length, 48" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD100).....	3,989.17	258.03
07 72 63 00-0015	EA	60" Length, 60" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD101).....	4,481.74	258.03
07 72 63 00-0016	EA	60" Length, 90" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD106).....	5,531.55	268.35
07 72 63 00-0017	EA	72" Length, 72" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD102).....	5,629.00	268.35
07 72 63 00-0018	EA	72" Length, 108" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD103).....	8,026.34	290.28
07 72 63 00-0019	EA	72" Length, 144" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD111).....	8,800.35	290.28
07 72 63 00-0020	EA	90" Length, 90" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD105).....	8,187.61	343.94
07 72 63 00-0021	EA	108" Length, 108" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD112).....	9,225.04	430.00
07 72 63 00-0022	EA	120" Length, 120" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD107).....	11,536.23	430.00
07 72 63 00-0023	EA	144" Length, 144" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD113).....	14,702.62	430.00

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 72 Roof Accessories

MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 72 63 00-0024	Replacement Filter Sets For Rooftop Oil And Grease Containment System (07 72 63) Note: Includes removing old filters and installing new filters.	
07 72 63 00-0025	Top And Center Replacement Filter Sets For Rooftop Oil And Grease Containment System (07 72 63 00-0024)	
07 72 63 00-0026	Light Duty, Top And Center Replacement Filter Sets For Rooftop Oil And Grease Containment System (07 72 63 00-0025)	
07 72 63 00-0027	SET 48" Length, 48" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-E).....	267.07
07 72 63 00-0028	SET 60" Length, 60" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-E).....	375.33
07 72 63 00-0029	SET 60" Length, 90" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-E).....	537.69
07 72 63 00-0030	SET 72" Length, 72" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-E).....	496.47
07 72 63 00-0031	SET 72" Length, 108" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-E).....	929.49
07 72 63 00-0032	SET 72" Length, 144" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-E).....	940.30
07 72 63 00-0033	SET 90" Length, 90" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-E).....	725.89
07 72 63 00-0034	SET 108" Length, 108" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-E).....	942.40
07 72 63 00-0035	SET 120" Length, 120" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-E).....	1,380.82
07 72 63 00-0036	SET 144" Length, 144" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-E).....	1,819.25
07 72 63 00-0037	Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System (07 72 63 00-0024)	
07 72 63 00-0038	Light Duty, Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System (07 72 63 00-0037)	
07 72 63 00-0039	SET 48" Length, 48" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-EC).....	557.05
07 72 63 00-0040	SET 60" Length, 60" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-EC).....	741.09
07 72 63 00-0041	SET 60" Length, 90" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-EC).....	1,076.68
07 72 63 00-0042	SET 72" Length, 72" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-EC).....	1,002.97
07 72 63 00-0043	SET 72" Length, 108" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-EC).....	1,928.53
07 72 63 00-0044	SET 72" Length, 144" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-EC).....	1,939.35
07 72 63 00-0045	SET 90" Length, 90" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-EC).....	1,438.05
07 72 63 00-0046	SET 108" Length, 108" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-EC).....	1,941.43
07 72 63 00-0047	SET 120" Length, 120" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-EC).....	2,845.34
07 72 63 00-0048	SET 144" Length, 144" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-EC).....	3,787.14
07 72 63 00-0049	Heavy-Duty, Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System (07 72 63 00-0037)	
07 72 63 00-0050	SET 48" Length, 48" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-C).....	692.38
07 72 63 00-0051	SET 60" Length, 60" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-C).....	860.18
07 72 63 00-0052	SET 60" Length, 90" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-C).....	1,260.70
07 72 63 00-0053	SET 72" Length, 72" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-C).....	1,192.42
07 72 63 00-0054	SET 72" Length, 108" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-C).....	2,323.65
07 72 63 00-0055	SET 72" Length, 144" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-C).....	2,312.83
07 72 63 00-0056	SET 90" Length, 90" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-C).....	1,687.05
07 72 63 00-0057	SET 108" Length, 108" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-C).....	2,336.55
07 72 63 00-0058	SET 120" Length, 120" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-C).....	3,278.35
07 72 63 00-0059	SET 144" Length, 144" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-C).....	4,561.16

07 73 Roof Protection Board (07 70)

07 73 00 00-0001 Roof Protection Board (07 73)

Note: Use these items for specified related installations with systems per CSI section 07 50 00. Items are for single layer of panels attached per FM I-90 requirements.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 73 00 00-0002			Cold Adhesive Applied, Roof Protection Board (Georgia-Pacific DensDeck®) (07 73 00 00-0001)		
07 73 00 00-0003	SF		1/4" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck®)	4.32	0.65
			<i>For No Adhesive, Deduct</i>	-0.96	
07 73 00 00-0004	SF		1/2" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck®)	4.87	0.71
			<i>For No Adhesive, Deduct</i>	-0.99	
07 73 00 00-0005	SF		5/8" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck®)	5.15	0.78
			<i>For No Adhesive, Deduct</i>	-1.01	
07 73 00 00-0006	SF		1/4" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck® Prime)	4.38	0.65
			<i>For No Adhesive, Deduct</i>	-0.96	
07 73 00 00-0007	SF		1/2" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck® Prime)	4.96	0.71
			<i>For No Adhesive, Deduct</i>	-0.99	
07 73 00 00-0008	SF		5/8" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck® Prime)	5.24	0.78
			<i>For No Adhesive, Deduct</i>	-1.01	
07 73 00 00-0009			Hot-Mopped, Roof Protection Board (Georgia-Pacific DensDeck®) (07 73 00 00-0001)		
07 73 00 00-0010	SF		1/4" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck®)	4.16	0.65
07 73 00 00-0011	SF		1/2" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck®)	4.75	0.71
07 73 00 00-0012	SF		5/8" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck®)	5.04	0.78
07 73 00 00-0013	SF		1/4" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck® Prime)	4.22	0.65
07 73 00 00-0014	SF		1/2" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck® Prime)	4.84	0.71
07 73 00 00-0015	SF		5/8" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck® Prime)	5.13	0.78
07 73 00 00-0016			Mechanically Fastened, Roof Protection Board (Georgia-Pacific DensDeck®) (07 73 00 00-0001)		
			Note: Mechanically fastened to wood or steel.		
07 73 00 00-0017	SF		1/4" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck®)	4.11	0.65
			<i>For Mechanically Fastened To Concrete, Add</i>	1.71	
			<i>For Mechanically Fastened To Gypsum, Add</i>	2.22	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.76	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.05	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.73	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.14	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.18	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.11	
07 73 00 00-0018	SF		1/2" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck®)	4.66	0.71
			<i>For Mechanically Fastened To Concrete, Add</i>	1.71	
			<i>For Mechanically Fastened To Gypsum, Add</i>	2.22	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.76	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.14	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.73	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.14	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.27	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.11	
07 73 00 00-0019	SF		5/8" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck®)	4.94	0.78
			<i>For Mechanically Fastened To Concrete, Add</i>	1.71	
			<i>For Mechanically Fastened To Gypsum, Add</i>	2.22	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.76	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.22	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.73	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.14	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.35	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.11	
07 73 00 00-0020	SF		1/4" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck® Prime)	4.17	0.65
			<i>For Mechanically Fastened To Concrete, Add</i>	1.71	
			<i>For Mechanically Fastened To Gypsum, Add</i>	2.22	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.76	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.05	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.73	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.14	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.18	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.11	

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 73 Roof Protection Board

MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 73 00 00-0021	SF	1/2" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck® Prime).....	4.75	0.71
		For Mechanically Fastened To Concrete, Add	1.71	
		For Mechanically Fastened To Gypsum, Add	2.22	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.76	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.14	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.73	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.14	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.27	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.11	
07 73 00 00-0022	SF	5/8" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck® Prime).....	5.03	0.78
		For Mechanically Fastened To Concrete, Add	1.71	
		For Mechanically Fastened To Gypsum, Add	2.22	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.76	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.22	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.73	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.14	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.35	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.11	

07 76 Roof Pavers (07 70)

07 76 16 Roof Decking Pavers (07 76)

07 76 16 00-0001 Roof Pavers (07 76 16)

Note: For walkway application over roofing system.

07 76 16 00-0002	SF	Up To 100 SF, 2" Concrete Roof Paver	12.84	8.05
		For 1-1/2" Thickness, Deduct	-1.28	
		For 2-1/2" Thickness, Add	1.40	
		For 3" Thickness, Add	2.80	
07 76 16 00-0003	SF	>100 To 200 SF, 2" Concrete Roof Paver	11.48	6.07
		For 1-1/2" Thickness, Deduct	-1.15	
		For 2-1/2" Thickness, Add	1.26	
		For 3" Thickness, Add	2.52	
07 76 16 00-0004	SF	>200 To 400 SF, 2" Concrete Roof Paver	10.74	4.83
		For 1-1/2" Thickness, Deduct	-1.07	
		For 2-1/2" Thickness, Add	1.18	
		For 3" Thickness, Add	2.36	
07 76 16 00-0005	SF	>400 To 1,000 SF, 2" Concrete Roof Paver	10.31	4.21
		For 1-1/2" Thickness, Deduct	-1.03	
		For 2-1/2" Thickness, Add	1.13	
		For 3" Thickness, Add	2.26	
07 76 16 00-0006	SF	>1,000 SF, 2" Concrete Roof Paver	9.75	3.84
		For 1-1/2" Thickness, Deduct	-0.98	
		For 2-1/2" Thickness, Add	1.07	
		For 3" Thickness, Add	2.13	

07 76 16 00-0007 Roof Paver Pedestal (07 76 16)

07 76 16 00-0008	EA	2" To 3" High Adjustable Roof Paver Pedestal, 2" Base, 2" Top (Hanover Elevator).....	26.95	1.29
07 76 16 00-0009	EA	3" To 4-3/4" High Adjustable Roof Paver Pedestal, 3" Base, 3" Top (Hanover Elevator)	28.24	1.29
07 76 16 00-0010	EA	4-3/4" To 7-3/4" High Adjustable Roof Paver Pedestal, 4" Base, 4" Top (Hanover Elevator)	29.53	1.29
07 76 16 00-0011	EA	Adjustable Roof Paver Pedestal Coupler, Adds 2-1/2" To 4" (Hanover Elevator).....	14.97	1.29
07 76 16 00-0012	EA	Stay Bar, Used With Roof Paver Pedestals >16" High (Hanover Elevator).....	13.39	1.29
07 76 16 00-0013	EA	5/8" High Tab Roof Paver Pedestal (Hanover High Tab Pedestal).....	13.71	1.29
		Note: Stackable.		
07 76 16 00-0014	EA	1/16" And 1/8" Flexible Leveling Plates For Roof Paver Pedestal	7.71	1.29
		Note: Used with High Tab and Elevator pedestals.		
07 76 16 00-0015	EA	Roof Paver Leveling System, Twist To Adjust Pitch (Hanover Compensator).....	10.29	1.29
		Note: Each Compensator levels 1/8" of slope and are stackable. Used with High Tab and Elevator pedestals.		

07 76 19 Composite Insulation Concrete Protection Board (07 76)

Note: Manufactured by T. Clear Corp. 25 year warranty.

07 76 19 00-0001 Composite Insulation Concrete Protection Board (07 76 19)

Note: Manufactured by T. Clear Corp. 25 year warranty.

07 76 19 00-0002	SF	2" Extruded Polystyrene Insulation Board Lightguard Composite With 3/8" Latex Modified Concrete, 4.5 PSF.....	6.36	
		For 20 Year Warranty, Deduct	-0.37	
		For 15 Year Warranty, Deduct	-0.75	
		For 10 Year Warranty, Deduct	-1.02	
		For Winds >90 MPH To 120 MPH Warranty, Add	0.10	
07 76 19 00-0003	SF	3" Extruded Polystyrene Insulation Board Lightguard Composite With 3/8" Latex Modified Concrete, 4.5 PSF.....	8.28	
		For 20 Year Warranty, Deduct	-0.53	
		For 15 Year Warranty, Deduct	-1.07	
		For 10 Year Warranty, Deduct	-1.44	
		For Winds >90 MPH To 120 MPH Warranty, Add	0.10	
07 76 19 00-0004	SF	2" Extruded Polystyrene Insulation Board Heavyguard Composite With 15/16" Latex Modified Concrete, 11 PSF	9.74	
		For 20 Year Warranty, Deduct	-0.62	
		For 15 Year Warranty, Deduct	-1.24	
		For 10 Year Warranty, Deduct	-1.68	
		For Winds >90 MPH To 120 MPH Warranty, Add	0.10	
07 76 19 00-0005	SF	3" Extruded Polystyrene Insulation Board Heavyguard Composite With 15/16" Latex Modified Concrete, 11 PSF	11.75	
		For 20 Year Warranty, Deduct	-0.77	
		For 15 Year Warranty, Deduct	-1.56	
		For 10 Year Warranty, Deduct	-2.10	
		For Winds >90 MPH To 120 MPH Warranty, Add	0.10	

07 80 Fire and Smoke Protection (07)

07 81 Applied Fireproofing (07 80)

Note: Includes bonding agents as required.

07 81 16 Cementitious Fireproofing (07 81)

07 81 16 00-0001 Monokote Fireproofing (07 81 16)

07 81 16 00-0002	SF	Monokote Fireproofing For Ceiling/Decking, Per Inch Of Thickness.....	2.32	0.80
07 81 16 00-0003	SF	Monokote Fireproofing For Structural Steel, Per Inch Of Thickness.....	3.22	1.20

07 81 16 00-0004 Gunite Fireproofing (07 81 16)

07 81 16 00-0005	SF	1" Thick, Non-Reinforced, Gunite Fireproofing	3.82	0.82
07 81 16 00-0006	SF	1" Thick, Reinforced, Gunite Fireproofing	5.45	0.82

07 81 23 Intumescent Fireproofing (07 81)

07 81 23 00-0001 Intumescent Thin Film Fireproofing (Albi Clad TF) (07 81 23)

07 81 23 00-0002 Intumescent Thin Film Fireproofing For Beams (Albi Clad TF) (07 81 23 00-0001)

Note: Excludes primer.

07 81 23 00-0003	SF	1 Hour, Intumescent Thin Film Fireproofing For Beams (Albi Clad TF)	17.83	
		For >10,000, Deduct	-1.72	
07 81 23 00-0004	SF	1-1/2 Hour, Intumescent Thin Film Fireproofing For Beams (Albi Clad TF)	28.78	
		For >10,000, Deduct	-2.81	

07 81 23 00-0005 Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF) (07 81 23 00-0001)

Note: Excludes primer.

07 81 23 00-0006	SF	1 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	11.48	
		For >10,000, Deduct	-1.08	
07 81 23 00-0007	SF	1-1/2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	25.74	
		For >10,000, Deduct	-2.50	
07 81 23 00-0008	SF	2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	58.60	
		For >10,000, Deduct	-5.78	
07 81 23 00-0009	SF	2-1/2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	80.76	
		For >10,000, Deduct	-8.00	
07 81 23 00-0010	SF	3 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	102.94	
		For >10,000, Deduct	-10.21	
07 81 23 00-0011	SF	3-1/2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	125.15	
		For >10,000, Deduct	-12.43	

07 81 23 00-0012 Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF) (07 81 23 00-0001)

Note: Excludes primer.

07 81 23 00-0013	SF	1 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)	23.44	
		For >10,000, Deduct	-2.28	
07 81 23 00-0014	SF	1-1/2 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)	43.79	
		For >10,000, Deduct	-4.31	
07 81 23 00-0015	SF	2 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)	69.65	
		For >10,000, Deduct	-6.89	
07 81 23 00-0016	SF	2-1/2 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)	97.35	
		For >10,000, Deduct	-9.65	
07 81 23 00-0017	SF	3 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)	123.22	
		For >10,000, Deduct	-12.24	

07 81 23 00-0018 Intumescent Thin Film Fireproofing (Albi Clad FP) (07 81 23)

07 81 23 00-0019 Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP) (07 81 23 00-0018)

Note: Excludes primer.

07 81 23 00-0020	SF	1 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	11.31	
		For >10,000, Deduct	-1.09	
07 81 23 00-0021	SF	1-1/2 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	25.98	
		For >10,000, Deduct	-2.55	
07 81 23 00-0022	SF	2 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	59.79	
		For >10,000, Deduct	-5.93	
07 81 23 00-0023	SF	2-1/2 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	82.58	
		For >10,000, Deduct	-8.20	
07 81 23 00-0024	SF	3 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	105.39	
		For >10,000, Deduct	-10.48	

07 81 33 Mineral-Fiber Fireproofing (07 81)

07 81 33 00-0001 Cellulose Fireproofing (07 81 33)

07 Thermal And Moisture Protection**07 80 Fire and Smoke Protection****07 81 Applied Fireproofing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 81 33 00-0002 SF Cellulose Fireproofing, Per Inch Of Thickness.....2.83 0.82

07 84 Firestopping (07 80)**07 84 13 Penetration Firestopping** (07 84)**07 84 13 16 Penetration Firestopping Devices** (07 84 13)**07 84 13 16-0001 Firestopping Systems For Cable Penetrations** (07 84 13 16)**07 84 13 16-0002 Intumescent Firestop Cable Sleeve For New Installations** (07 84 13 16-0001)

Note: Includes putty, escutcheon plates, gaskets and bushings.

 07 84 13 16-0003 EA 1" Diameter Intumescent Firestop Sleeve (STI FS100)71.42
 07 84 13 16-0004 EA 2" Diameter Intumescent Firestop Sleeve (STI FS201)95.86
 07 84 13 16-0005 EA 4" Diameter Intumescent Firestop Sleeve (STI FS401)155.33
07 84 13 16-0006 Intumescent Firestop Cable Pathway For New Or Existing Cable Installations (07 84 13 16-0001)

Note: Includes pathway, putty and wall/floor mounting plates.

 07 84 13 16-0007 EA 1-1/64" x 1-1/64" Intumescent Firestop Cable Pathway Through Up To 9" Thick Walls (STI EZD22)130.02
 07 84 13 16-0008 EA 3" x 3" Intumescent Firestop Cable Pathway Through Up To 9" Thick Walls (STI EZDP33FWS)227.82
 07 84 13 16-0009 EA 4" x 4-5/8" Intumescent Firestop Cable Pathway Through Up To 10" Thick Walls (STI EZDP44)416.83
07 84 13 16-0010 3M Intumescent Firestopping Multi-Trade Pass Through Device (07 84 13 16)
 07 84 13 16-0011 EA 2-1/2" Square Opening, Intumescent Firestop Multi-Trade Pass Through Device (3M QP2.5SD)293.56
 07 84 13 16-0012 EA 4" Square Opening, Intumescent Firestop Multi-Trade Pass Through Device (3M QP4SD)271.96
 07 84 13 16-0013 EA 4" Diameter Intumescent Firestop Multi-Trade Pass Through Device (3M QP2.5SD)280.16
07 84 13 16-0014 Intumescent Firestopping Pipe Collar (07 84 13 16)
 07 84 13 16-0015 EA 1-1/2" Intumescent Firestop Pipe Collar (3M ULTRAPPD1.5)43.63 12.43
 07 84 13 16-0016 EA 2" Intumescent Firestop Pipe Collar (3M ULTRAPPD2.0)52.69 12.43
 07 84 13 16-0017 EA 3" Intumescent Firestop Pipe Collar (3M ULTRAPPD3.0)61.31 13.67
 07 84 13 16-0018 EA 4" Intumescent Firestop Pipe Collar (3M ULTRAPPD4.0)96.12 15.53
 07 84 13 16-0019 EA 8" Intumescent Firestop Pipe Collar (Hilti CP644 8")473.86 18.64
 07 84 13 16-0020 EA 10" Intumescent Firestop Pipe Collar (Hilti CP644 10")612.29 20.50
07 84 13 16-0021 Fire Rated Enclosures (Fire Rated Product Specialties Corp.) (07 84 13 16)

Note: Includes fasteners. Excludes additional perimeter caulk where required. See CSI section 07 84 43 00-0001 for perimeter sealant caulk where required.

 07 84 13 16-0022 EA 12.2" Wide x 20.2" Long x 9.5" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-12-20-9)182.14
 Note: Used for recessed lighting, speakers, controls, valves, plumbing drain terminations, etc.
 07 84 13 16-0023 EA 15.2" Wide x 16.2" Long x 9.5" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-15-16-9)193.01
 Note: Used for recessed lighting, speakers, controls, valves, plumbing drain terminations, etc.
 07 84 13 16-0024 EA 11.8" Wide x 19.8" Long x 9.12" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-12-20-9-EXH)378.51
 Note: Includes 4" duct connector. For use with bathroom ventilation and exhaust fans.
 07 84 13 16-0025 EA 14.0" Wide x 14.0" Long x 3.2" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-14-14-3)240.85
 Note: Used for shut-off valves, shower and tub valves, washer boxes, icemaker water feeds, speakers, controls, junction boxes, etc.
07 84 13 16-0026 Intumescent Firestopping Wrap Strips (07 84 13 16)

07 84 13 16-0027 LF 1/8" Thick, 1-1/2" Wide, Intumescent Firestopping Wrap Strip (STI SpecSeal SSW Series)7.01

07 84 13 19 Penetration Firestopping Caulk (07 84 13)**07 84 13 19-0001 Intumescent Firestopping For Sealing Pipe Penetrations (3M CP 25WB+)** (07 84 13 19)

Note: Includes firestop caulk and batt for floor or ceiling penetration or one side of a wall penetration. 1/2" thick caulk for annular spaces 1" and less. 1" thick caulk for annular spaces 1-1/4" or more.

 07 84 13 19-0002 EA 1" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)25.85
 For Intumescent Sealant For Plastic Pipe, Add0.08
 07 84 13 19-0003 EA 1-1/2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)31.83
 For Intumescent Sealant For Plastic Pipe, Add0.41
 07 84 13 19-0004 EA 1-1/2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)31.57
 For Intumescent Sealant For Plastic Pipe, Add0.31
 07 84 13 19-0005 EA 1-1/2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)31.14
 For Intumescent Sealant For Plastic Pipe, Add0.14
 07 84 13 19-0006 EA 2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)36.85
 For Intumescent Sealant For Plastic Pipe, Add0.88
 07 84 13 19-0007 EA 2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)36.59
 For Intumescent Sealant For Plastic Pipe, Add0.77
 07 84 13 19-0008 EA 2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)36.16
 For Intumescent Sealant For Plastic Pipe, Add0.60
 07 84 13 19-0009 EA 2" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)35.49
 For Intumescent Sealant For Plastic Pipe, Add0.33
 07 84 13 19-0010 EA 2" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)34.92
 For Intumescent Sealant For Plastic Pipe, Add0.10
 07 84 13 19-0011 EA 2-1/2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)44.75
 For Intumescent Sealant For Plastic Pipe, Add1.47
 07 84 13 19-0012 EA 2-1/2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)44.50
 For Intumescent Sealant For Plastic Pipe, Add1.37

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 13 19-0013	EA		2-1/2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	44.06	
			<i>For Intumescent Sealant For Plastic Pipe, Add</i>	1.20	
07 84 13 19-0014	EA		2-1/2" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	43.39	
			<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.93	
07 84 13 19-0015	EA		2-1/2" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	42.83	
			<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.70	
07 84 13 19-0016	EA		2-1/2" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	41.48	
			<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.16	
07 84 13 19-0017	EA		3" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	61.27	
			<i>For Intumescent Sealant For Plastic Pipe, Add</i>	3.97	
07 84 13 19-0018	EA		3" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	56.60	
			<i>For Intumescent Sealant For Plastic Pipe, Add</i>	2.10	
07 84 13 19-0019	EA		3" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	56.17	
			<i>For Intumescent Sealant For Plastic Pipe, Add</i>	1.93	
07 84 13 19-0020	EA		3" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	55.49	
			<i>For Intumescent Sealant For Plastic Pipe, Add</i>	1.66	
07 84 13 19-0021	EA		3" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	54.93	
			<i>For Intumescent Sealant For Plastic Pipe, Add</i>	1.44	
07 84 13 19-0022	EA		3" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	53.58	
			<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.90	
07 84 13 19-0023	EA		3" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	51.83	
			<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.20	
07 84 13 19-0024	EA		4" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	82.49	
			<i>For Intumescent Sealant For Plastic Pipe, Add</i>	7.33	
07 84 13 19-0025	EA		4" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	82.01	
			<i>For Intumescent Sealant For Plastic Pipe, Add</i>	7.14	
07 84 13 19-0026	EA		4" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	81.24	
			<i>For Intumescent Sealant For Plastic Pipe, Add</i>	6.83	
07 84 13 19-0027	EA		4" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	80.03	
			<i>For Intumescent Sealant For Plastic Pipe, Add</i>	6.34	
07 84 13 19-0028	EA		4" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	79.01	
			<i>For Intumescent Sealant For Plastic Pipe, Add</i>	5.94	
07 84 13 19-0029	EA		4" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	71.06	
			<i>For Intumescent Sealant For Plastic Pipe, Add</i>	2.76	
07 84 13 19-0030	EA		4" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	69.32	
			<i>For Intumescent Sealant For Plastic Pipe, Add</i>	2.06	
07 84 13 19-0031	EA		4" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	66.67	
			<i>For Intumescent Sealant For Plastic Pipe, Add</i>	1.00	
07 84 13 19-0032	EA		6" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	132.11	
			<i>For Intumescent Sealant For Plastic Pipe, Add</i>	16.91	
07 84 13 19-0033	EA		6" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	131.64	
			<i>For Intumescent Sealant For Plastic Pipe, Add</i>	16.72	
07 84 13 19-0034	EA		6" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	130.86	
			<i>For Intumescent Sealant For Plastic Pipe, Add</i>	16.41	
07 84 13 19-0035	EA		6" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	129.66	
			<i>For Intumescent Sealant For Plastic Pipe, Add</i>	15.93	
07 84 13 19-0036	EA		6" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	128.64	
			<i>For Intumescent Sealant For Plastic Pipe, Add</i>	15.52	
07 84 13 19-0037	EA		6" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	126.20	
			<i>For Intumescent Sealant For Plastic Pipe, Add</i>	14.54	
07 84 13 19-0038	EA		6" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	123.06	
			<i>For Intumescent Sealant For Plastic Pipe, Add</i>	13.29	
07 84 13 19-0039	EA		6" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	118.29	
			<i>For Intumescent Sealant For Plastic Pipe, Add</i>	11.38	
07 84 13 19-0040	EA		6" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	100.32	
			<i>For Intumescent Sealant For Plastic Pipe, Add</i>	4.19	
07 84 13 19-0041	EA		8" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	175.83	
			<i>For Intumescent Sealant For Plastic Pipe, Add</i>	26.70	
07 84 13 19-0042	EA		8" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	171.06	
			<i>For Intumescent Sealant For Plastic Pipe, Add</i>	24.79	
07 84 13 19-0043	EA		8" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	161.48	
			<i>For Intumescent Sealant For Plastic Pipe, Add</i>	20.96	
07 84 13 19-0044	EA		8" Diameter Hole With 6" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	122.42	
			<i>For Intumescent Sealant For Plastic Pipe, Add</i>	5.34	
07 84 13 19-0045	EA		10" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	223.86	
			<i>For Intumescent Sealant For Plastic Pipe, Add</i>	38.21	
07 84 13 19-0046	EA		10" Diameter Hole With 6" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	195.46	
			<i>For Intumescent Sealant For Plastic Pipe, Add</i>	26.85	
07 84 13 19-0047	EA		10" Diameter Hole With 8" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	145.32	
			<i>For Intumescent Sealant For Plastic Pipe, Add</i>	6.79	
07 84 13 19-0048			Smoke, Noise And Infectious/Dust Control Sealant For Sealing Pipe Penetrations (07 84 13 19)		
			Note: Includes sealant and fiberglass or mineral wool batt for floor, ceiling or wall penetrations.		
07 84 13 19-0049	EA		1-1/2" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	31.15	
07 84 13 19-0050	EA		1-1/2" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	31.05	
07 84 13 19-0051	EA		1-1/2" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	30.91	
07 84 13 19-0052	EA		2" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	35.39	
07 84 13 19-0053	EA		2" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	35.29	
07 84 13 19-0054	EA		2" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	35.16	

07 Thermal And Moisture Protection**07 80 Fire and Smoke Protection****07 84 Firestopping**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 84 13 19-0055	EA	2" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	34.95
07 84 13 19-0056	EA	2" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	34.76
07 84 13 19-0057	EA	2.5" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	42.34
07 84 13 19-0058	EA	2.5" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	42.25
07 84 13 19-0059	EA	2.5" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	42.10
07 84 13 19-0060	EA	2.5" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	41.90
07 84 13 19-0061	EA	2.5" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	41.71
07 84 13 19-0062	EA	2.5" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	41.25
07 84 13 19-0063	EA	3" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	53.22
07 84 13 19-0064	EA	3" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	53.13
07 84 13 19-0065	EA	3" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	52.99
07 84 13 19-0066	EA	3" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	52.78
07 84 13 19-0067	EA	3" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	52.59
07 84 13 19-0068	EA	3" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	52.13
07 84 13 19-0069	EA	3" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	51.48
07 84 13 19-0070	EA	4" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	67.67
07 84 13 19-0071	EA	4" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	67.57
07 84 13 19-0072	EA	4" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	67.43
07 84 13 19-0073	EA	4" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	67.20
07 84 13 19-0074	EA	4" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	66.99
07 84 13 19-0075	EA	4" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	66.52
07 84 13 19-0076	EA	4" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	65.93
07 84 13 19-0077	EA	4" Diameter Hole With 3" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	65.01
07 84 13 19-0078	EA	6" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	97.90
07 84 13 19-0079	EA	6" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	97.80
07 84 13 19-0080	EA	6" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	97.66
07 84 13 19-0081	EA	6" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	97.46
07 84 13 19-0082	EA	6" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	97.27
07 84 13 19-0083	EA	6" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	96.81
07 84 13 19-0084	EA	6" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	96.16
07 84 13 19-0085	EA	6" Diameter Hole With 3" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	95.29
07 84 13 19-0086	EA	6" Diameter Hole With 4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	93.40
07 84 13 19-0087	EA	8" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	121.81
07 84 13 19-0088	EA	8" Diameter Hole With 3" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	120.93
07 84 13 19-0089	EA	8" Diameter Hole With 4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	119.04
07 84 13 19-0090	EA	8" Diameter Hole With 6" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	113.70
07 84 13 19-0091	EA	10" Diameter Hole With 4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	146.56
07 84 13 19-0092	EA	10" Diameter Hole With 6" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	141.20
07 84 13 19-0093	EA	10" Diameter Hole With 8" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	134.13

07 84 16 Annular Space Firestopping Protection (07 84)**07 84 16 00-0001 Intumescent Firestopping For Electrical Outlet Boxes (07 84 16)****07 84 16 00-0002 Intumescent Putty Pads For Wrapping Outlet Box Exteriors (07 84 16 00-0001)**

07 84 16 00-0003	EA	1 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	40.02
07 84 16 00-0004	EA	2 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	56.97
07 84 16 00-0005	EA	3 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	59.53
07 84 16 00-0006	EA	4 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	62.10

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 16 00-0007	EA	5 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	64.66	
07 84 16 00-0008	EA	6 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	81.60	
07 84 16 00-0009		Intumescent Firestop Gasket For Wall Plates (07 84 16 00-0001)		
07 84 16 00-0010	EA	Single Switch Wall Plate, Intumescent Firestop Gasket (RectorSeal 66276)	16.30	
07 84 16 00-0011	EA	Double Switch Wall Plate, Intumescent Firestop Gasket (RectorSeal 66274)	16.90	
07 84 16 00-0012	EA	Single Receptacle Wall Plate, Intumescent Firestop Gasket (RectorSeal 66272)	15.78	
07 84 16 00-0013	EA	Double Receptacle Wall Plate, Intumescent Firestop Gasket (RectorSeal 66270)	16.95	
07 84 16 00-0014	EA	Single Decor Wall Plate, Intumescent Firestop Gasket (RectorSeal 66266)	16.49	
07 84 16 00-0015	EA	Double Decor Wall Plate, Intumescent Firestop Gasket (RectorSeal 66265)	15.86	
07 84 16 00-0016		Intumescent Fire Barrier Pillows For Sealing Large Openings (07 84 16)		
07 84 16 00-0017	EA	2" x 4" x 9" Intumescent Fire Barrier Pillow (3M FB249).....	40.70	
07 84 16 00-0018	EA	2" x 6" x 9" Intumescent Fire Barrier Pillow (3M FB269).....	43.65	
07 84 16 00-0019	EA	3" x 6" x 9" Intumescent Fire Barrier Pillow (3M FB369).....	47.28	
07 84 16 00-0020		Intumescent Fire Barrier Sheets For Sealing Large Openings (07 84 16)		
Note: Price includes intumescent sheet, mounting fasteners and caulk for sealing one side of an opening.				
07 84 16 00-0021	EA	16" x 28" Intumescent Firestop Sheet (3M CS-195+16x28)	373.82	
07 84 16 00-0022	EA	36" x 24" Intumescent Firestop Sheet (3M CS-195+3x2)	524.89	
07 84 16 00-0023	EA	36" x 36" Intumescent Firestop Sheet (3M CS-195+3x3)	708.62	
07 84 16 00-0024		Endothermic Mat Wrap Fire Barrier (07 84 16)		
Note: Price includes endothermic mat wrap and sealant. Excludes cavity fill material; putty or fireproof caulk/sealant. See CSI section 07 84 16 00-0026 for filling openings.				
07 84 16 00-0025	SF	0.408" Thick Aluminum Foil Faced Endothermic Mat (3M Interam E-5A-4).....	56.38	
07 84 16 00-0026		Firestopping Caulk For Filling Opening (07 84 16)		
07 84 16 00-0027	GAL	Latex Based Intumescent Fire Barrier Sealant (3M CP-25WB+).....	155.93	
07 84 16 00-0028		Firestopping Mortar For Filling Opening (07 84 16)		
07 84 16 00-0029	CF	Light-Weight Portland Cement-Based Firestop Mortar (STI SpecSeal SSM Series)	186.63	
07 84 23		Silicone Firestopping Foams (07 84)		
07 84 23 00-0001		Silicone RTV Foam Seal For Blank Openings (07 84 23)		
Note: Includes 7" depth of silicone foam barrier and 1" depth backer board				
07 84 23 00-0002	EA	2" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam.....	48.36	
07 84 23 00-0003	EA	4" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam.....	105.01	
07 84 23 00-0004	EA	6" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam.....	187.05	
07 84 23 00-0005	EA	8" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam.....	278.23	
07 84 23 00-0006	EA	10" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam.....	394.67	
07 84 23 00-0007	EA	12" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam.....	533.17	
07 84 23 00-0008	EA	16" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam.....	1,076.34	
07 84 23 00-0009	EA	20" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam.....	1,604.55	
07 84 23 00-0010	EA	24" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam.....	2,246.84	
07 84 43		Joint Firestopping (07 84)		
07 84 43 00-0001		Intumescent Firestopping Sealant For Joints (3M CP 25WB+) (07 84 43)		
07 84 43 00-0002	CLF	1/4" x 1/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	448.21	115.51
For Up To 6 CLF, Add			24.95	
For >30 CLF, Deduct			-27.50	
07 84 43 00-0003	CLF	1/4" x 3/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	499.10	115.51
For Up To 4 CLF, Add			28.77	
For >20 CLF, Deduct			-32.58	
07 84 43 00-0004	CLF	1/4" x 1/2" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	562.78	119.36
For Up To 3 CLF, Add			33.22	
For >15 CLF, Deduct			-38.31	
07 84 43 00-0005	CLF	3/8" x 3/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	588.21	119.36
For Up To 2.5 CLF, Add			35.13	
For >13 CLF, Deduct			-40.85	
07 84 43 00-0006	CLF	3/8" x 1/2" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	664.49	119.36
For Up To 2 CLF, Add			40.85	
For >10 CLF, Deduct			-48.48	
07 84 43 00-0007	CLF	3/8" x 5/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	740.78	119.36
For Up To 1.5 CLF, Add			46.57	
For >8 CLF, Deduct			-56.11	
07 84 43 00-0008	CLF	3/8" x 3/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	829.89	124.49
For Up To 1.3 CLF, Add			52.94	
For >7 CLF, Deduct			-64.38	
07 84 43 00-0009	CLF	1/2" x 1/2" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	779.04	124.49
For Up To 1.4 CLF, Add			49.12	
For >7.5 CLF, Deduct			-59.30	
07 84 43 00-0010	CLF	1/2" x 5/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	893.60	128.34
For Up To 1.15 CLF, Add			57.39	
For >6 CLF, Deduct			-70.11	

07 Thermal And Moisture Protection**07 80 Fire and Smoke Protection****07 84 Firestopping**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
07 84 43 00-0011	CLF	1/2" x 3/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	995.31	128.34
		For Up To 1 CLF, Add	65.02	
		For >5 CLF, Deduct	-80.28	
07 84 43 00-0012	CLF	1/2" x 7/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	1,109.86	132.19
		For Up To 0.8 CLF, Add	73.29	
		For >4.5 CLF, Deduct	-91.09	
07 84 43 00-0013	CLF	1/2" x 1" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	1,224.40	137.32
		For Up To 0.75 CLF, Add	81.56	
		For >4 CLF, Deduct	-101.91	
07 84 43 00-0014	CLF	3/4" x 3/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	1,338.95	141.17
		For Up To 0.65 CLF, Add	89.83	
		For >3.5 CLF, Deduct	-112.72	
07 84 43 00-0015	CLF	3/4" x 1" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	1,682.60	154.01
		For Up To 0.5 CLF, Add	114.64	
		For >2.5 CLF, Deduct	-145.16	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	183.09	
07 84 43 00-0016	CLF	1" x 1" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	2,140.78	170.69
		For Up To 0.4 CLF, Add	147.72	
		For >2 CLF, Deduct	-188.41	
07 84 43 00-0017 Latex-Based, Intumescent Firestop Sealant For Joints (STI SSS Series) (07 84				
07 84 43 00-0018	CLF	1/4" x 1/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	462.38	115.51
		For Up To 6 CLF, Add	26.02	
		For >30 CLF, Deduct	-28.91	
07 84 43 00-0019	CLF	1/4" x 3/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	520.30	115.51
		For Up To 4 CLF, Add	30.36	
		For >20 CLF, Deduct	-34.70	
07 84 43 00-0020	CLF	1/4" x 1/2" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	591.06	119.36
		For Up To 3 CLF, Add	35.35	
		For >15 CLF, Deduct	-41.14	
07 84 43 00-0021	CLF	3/8" x 3/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	620.03	119.36
		For Up To 2.5 CLF, Add	37.52	
		For >13 CLF, Deduct	-44.04	
07 84 43 00-0022	CLF	3/8" x 1/2" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	706.92	119.36
		For Up To 2 CLF, Add	44.04	
		For >10 CLF, Deduct	-52.72	
07 84 43 00-0023	CLF	3/8" x 5/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	793.81	119.36
		For Up To 1.5 CLF, Add	50.55	
		For >8 CLF, Deduct	-61.41	
07 84 43 00-0024	CLF	3/8" x 3/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	893.53	124.49
		For Up To 1.3 CLF, Add	57.71	
		For >7 CLF, Deduct	-70.74	
07 84 43 00-0025	CLF	1/2" x 1/2" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	835.60	124.49
		For Up To 1.4 CLF, Add	53.37	
		For >7.5 CLF, Deduct	-64.95	
07 84 43 00-0026	CLF	1/2" x 5/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	964.31	128.34
		For Up To 1.15 CLF, Add	62.70	
		For >6 CLF, Deduct	-77.18	
07 84 43 00-0027	CLF	1/2" x 3/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	1,080.17	128.34
		For Up To 1 CLF, Add	71.39	
		For >5 CLF, Deduct	-88.77	
07 84 43 00-0028	CLF	1/2" x 7/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	1,208.85	132.19
		For Up To 0.8 CLF, Add	80.72	
		For >4.5 CLF, Deduct	-100.99	
07 84 43 00-0029	CLF	1/2" x 1" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	1,337.54	137.32
		For Up To 0.75 CLF, Add	90.05	
		For >4 CLF, Deduct	-113.22	
07 84 43 00-0030	CLF	3/4" x 3/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	1,466.22	141.17
		For Up To 0.65 CLF, Add	99.38	
		For >3.5 CLF, Deduct	-125.45	
07 84 43 00-0031	CLF	3/4" x 1" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	1,852.30	154.01
		For Up To 0.5 CLF, Add	127.37	
		For >2.5 CLF, Deduct	-162.13	
07 84 43 00-0032	CLF	1" x 1" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	2,367.05	170.69
		For Up To 0.4 CLF, Add	164.69	
		For >2 CLF, Deduct	-211.04	
07 84 43 00-0033 Passive Smoke And Fire Protection Sealant For Joints (STI ES Series) (07 84				
07 84 43 00-0034	CLF	1/4" x 1/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	406.45	115.51
		For Up To 6 CLF, Add	21.82	
		For >30 CLF, Deduct	-23.32	
07 84 43 00-0035	CLF	1/4" x 3/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	436.41	115.51
		For Up To 4 CLF, Add	24.07	
		For >20 CLF, Deduct	-26.32	
07 84 43 00-0036	CLF	1/4" x 1/2" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	479.20	119.36
		For Up To 3 CLF, Add	26.96	
		For >15 CLF, Deduct	-29.95	
07 84 43 00-0037	CLF	3/8" x 3/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	494.18	119.36
		For Up To 2.5 CLF, Add	28.08	
		For >13 CLF, Deduct	-31.45	

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
07 84 43 00-0038	CLF	3/8" x 1/2" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	539.13	119.36	
		For Up To 2 CLF, Add	31.45		
		For >10 CLF, Deduct	-35.95		
07 84 43 00-0039	CLF	3/8" x 5/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	584.07	119.36	
		For Up To 1.5 CLF, Add	34.82		
		For >8 CLF, Deduct	-40.44		
07 84 43 00-0040	CLF	3/8" x 3/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	641.84	124.49	
		For Up To 1.3 CLF, Add	38.83		
		For >7 CLF, Deduct	-45.58		
07 84 43 00-0041	CLF	1/2" x 1/2" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	611.88	124.49	
		For Up To 1.4 CLF, Add	36.59		
		For >7.5 CLF, Deduct	-42.58		
07 84 43 00-0042	CLF	1/2" x 5/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	684.66	128.34	
		For Up To 1.15 CLF, Add	41.72		
		For >6 CLF, Deduct	-49.21		
07 84 43 00-0043	CLF	1/2" x 3/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	744.58	128.34	
		For Up To 1 CLF, Add	46.22		
		For >5 CLF, Deduct	-55.21		
07 84 43 00-0044	CLF	1/2" x 7/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	817.34	132.19	
		For Up To 0.8 CLF, Add	51.35		
		For >4.5 CLF, Deduct	-61.84		
07 84 43 00-0045	CLF	1/2" x 1" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	890.09	137.32	
		For Up To 0.75 CLF, Add	56.49		
		For >4 CLF, Deduct	-68.47		
07 84 43 00-0046	CLF	3/4" x 3/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	962.85	141.17	
		For Up To 0.65 CLF, Add	61.63		
		For >3.5 CLF, Deduct	-75.11		
07 84 43 00-0047	CLF	3/4" x 1" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	1,181.14	154.01	
		For Up To 0.5 CLF, Add	77.03		
		For >2.5 CLF, Deduct	-95.01		
07 84 43 00-0048	CLF	1" x 1" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	1,472.17	170.69	
		For Up To 0.4 CLF, Add	97.58		
		For >2 CLF, Deduct	-121.55		

07 84 56 Fire Safing (07 84)
07 84 56 13 Fibrous Fire Safing (07 84 56)
07 84 56 13-0001 Thermal Barrier Wrap (07 84 56 13)

		Note: Includes cutting wrap to fit pipe or conduit and sealing edges.		
07 84 56 13-0002	SF	1/2" Thick Fire Barrier Plenum Wrap (3M Plenum Wrap 5A)	11.67	
		For Work In Restricted Working Space, Add	1.58	
07 84 56 13-0003	SF	1-1/2" Thick Fire Barrier Duct Wrap (3M Duct Wrap 15A)	18.60	
		Note: Includes cutting wrap to fit pipe or conduit and sealing edges.		
		For Work In Restricted Working Space, Add	1.58	
07 84 56 13-0004	SF	2" Thick Fire Barrier Duct Wrap (3M Duct Wrap 20A)	20.26	
		Note: Includes cutting wrap to fit pipe or conduit and sealing edges.		
		For Work In Restricted Working Space, Add	1.58	

07 84 56 13-0005 FireMaster Blanket Wrap Fireproofing (07 84 56 13)

07 84 56 13-0006	SF	1/2" Thermal Ceramics FireMaster Blanket Wrap	22.15	13.21
		For Work In Restricted Working Space, Add	5.30	
		For >500 To 5,000, Deduct	-1.91	
		For >5,000, Deduct	-3.42	
07 84 56 13-0007	SF	1" Thermal Ceramics FireMaster Blanket Wrap	25.84	13.21
		For Work In Restricted Working Space, Add	5.30	
		For >500 To 5,000, Deduct	-2.76	
		For >5,000, Deduct	-4.79	
07 84 56 13-0008	SF	1-1/2" Thermal Ceramics FireMaster Blanket Wrap	29.89	13.21
		For Work In Restricted Working Space, Add	5.30	
		For >500 To 5,000, Deduct	-3.69	
		For >5,000, Deduct	-6.29	
07 84 56 13-0009	SF	2" Thermal Ceramics FireMaster Blanket Wrap	33.95	13.21
		For Work In Restricted Working Space, Add	5.30	
		For >500 To 5,000, Deduct	-4.63	
		For >5,000, Deduct	-7.79	

07 90 Joint Protection (07)
07 91 Preformed Joint Seals (07 90)
07 91 23 Backer Rods (07 91)
07 91 23 00-0001 Backer Rods (07 91 23)

07 91 23 00-0002	LF	1/4" Polyethylene Or Polyurethane Backer Rod	2.38	0.64
07 91 23 00-0003	LF	3/8" Polyethylene Or Polyurethane Backer Rod	2.57	0.64

07 Thermal And Moisture Protection**07 90 Joint Protection****07 91 Preformed Joint Seals**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 91 23 00-0004	LF	1/2" Polyethylene Or Polyurethane Backer Rod	2.88	0.64
07 91 23 00-0005	LF	5/8" Polyethylene Or Polyurethane Backer Rod	3.38	0.64
07 91 23 00-0006	LF	3/4" Polyethylene Or Polyurethane Backer Rod	3.54	0.77
07 91 23 00-0007	LF	7/8" Polyethylene Or Polyurethane Backer Rod	3.97	0.77
07 91 23 00-0008	LF	1" Polyethylene Or Polyurethane Backer Rod	5.10	0.77
07 91 23 00-0009	LF	1-1/4" Polyethylene Or Polyurethane Backer Rod	6.19	0.90
07 91 23 00-0010	LF	1-1/2" Polyethylene Or Polyurethane Backer Rod	7.39	1.02
07 91 23 00-0011	LF	2" Polyethylene Or Polyurethane Backer Rod	10.26	1.15
07 91 23 00-0012	LF	3" Polyethylene Or Polyurethane Backer Rod	21.58	1.42

07 91 26 Joint Fillers (07 91)**07 91 26 00-0001 Butyl Rubber Fillers** (07 91 26)

07 91 26 00-0002	LF	1/4" x 1/4" Butyl Rubber Filler	2.96	0.77
		For Custom Match Coloring, Add	0.05	
07 91 26 00-0003	LF	1/2" x 1/2" Butyl Rubber Filler	8.94	2.18
		For Custom Match Coloring, Add	0.22	
07 91 26 00-0004	LF	1/2" x 3/4" Butyl Rubber Filler	10.84	2.31
		For Custom Match Coloring, Add	0.34	
07 91 26 00-0005	LF	3/4" x 3/4" Butyl Rubber Filler	11.84	2.44
07 91 26 00-0006	LF	1" x 1" Butyl Rubber Filler	15.96	4.50

07 91 26 00-0007 Closed Cell Neoprene (07 91 26)

07 91 26 00-0008	CLF	1/8" x 3" Neoprene Gasket Closed Cell, Adhesive	509.04	148.13
07 91 26 00-0009	CLF	1/8" x 6" Neoprene Gasket Closed Cell, Adhesive	805.20	213.98
07 91 26 00-0010	CLF	1/4" x 3" Neoprene Gasket Closed Cell, Adhesive	649.30	183.43
07 91 26 00-0011	CLF	1/4" x 6" Neoprene Gasket Closed Cell, Adhesive	739.01	192.54
07 91 26 00-0012	CLF	1/2" x 6" Neoprene Gasket Closed Cell, Adhesive	1,128.45	296.26
07 91 26 00-0013	CLF	1/2" x 9" Neoprene Gasket Closed Cell, Adhesive	1,282.83	320.89
07 91 26 00-0014	CLF	1/2" x 12" Neoprene Gasket Closed Cell, Adhesive	1,132.74	233.36

07 91 26 00-0015 Closed Cell Polyvinyl Chloride (07 91 26)

07 91 26 00-0016	CLF	1/8" x 3" Polyethylene Joint Backing, Closed Cell	520.86	183.43
07 91 26 00-0017	CLF	1/8" x 6" Polyethylene Joint Backing, Closed Cell	876.16	296.26
07 91 26 00-0018	CLF	1/4" x 3" Polyethylene Joint Backing, Closed Cell	679.52	252.87
07 91 26 00-0019	CLF	1/4" x 6" Polyethylene Joint Backing, Closed Cell	813.91	266.99
07 91 26 00-0020	CLF	1/2" x 6" Polyethylene Joint Backing, Closed Cell	1,239.49	409.47
07 91 26 00-0021	CLF	1/2" x 9" Polyethylene Joint Backing, Closed Cell	1,447.09	444.38
07 91 26 00-0022	CLF	1/2" x 12" Polyethylene Joint Backing, Closed Cell	1,910.12	532.69

07 91 26 00-0023 Silicon RTV Foam Penetration Seal (07 91 26)

07 91 26 00-0024	CLF	1/4" x 1/2" Silicon RTV Foam Seal	167.79	29.40
07 91 26 00-0025	CLF	1/2" x 1/2" Silicon RTV Foam Seal	335.56	58.66
07 91 26 00-0026	CLF	1/2" x 3/4" Silicon RTV Foam Seal	500.03	87.16
07 91 26 00-0027	CLF	3/4" x 3/4" Silicon RTV Foam Seal	706.15	117.45
07 91 26 00-0028	CLF	1/8" x 1" Silicon RTV Foam Seal	167.79	29.40
07 91 26 00-0029	CLF	1/8" x 3" Silicon RTV Foam Seal	499.51	86.90
07 91 26 00-0030	CLF	1/4" x 3" Silicon RTV Foam Seal	854.55	130.54
07 91 26 00-0031	CLF	1/4" x 6" Silicon RTV Foam Seal	1,706.81	260.18
07 91 26 00-0032	CLF	1/2" x 6" Silicon RTV Foam Seal	3,236.80	469.67
07 91 26 00-0033	CLF	1/2" x 9" Silicon RTV Foam Seal	4,949.61	733.70
07 91 26 00-0034	CLF	1/2" x 12" Silicon RTV Foam Seal	7,271.42	1,173.97

07 91 26 00-0035 Seals O-Ring Type Cord "J-Seal" (07 91 26)

07 91 26 00-0036	LF	1/4" Seals O-Ring Cord, J-Seal	5.50	1.67
07 91 26 00-0037	LF	1/2" Seals O-Ring Cord, J-Seal	5.83	1.67
07 91 26 00-0038	LF	3/4" Seals O-Ring Cord, J-Seal	6.12	1.81
07 91 26 00-0039	LF	1" Seals O-Ring Cord, J-Seal	6.44	1.94
07 91 26 00-0040	LF	1-1/4" Seals O-Ring Cord, J-Seal	6.90	2.07
07 91 26 00-0041	LF	1-1/2" Seals O-Ring Cord, J-Seal	7.21	2.07
07 91 26 00-0042	LF	1-3/4" Seals O-Ring Cord, J-Seal	7.60	2.19
07 91 26 00-0043	LF	2" Seals O-Ring Cord, J-Seal	7.84	2.19

07 91 33 Expansion Joint Seal Systems (07 91)**07 91 33 00-0001 Expansion Joint Seal Systems (Wabo®)** (07 91 33)**07 91 33 00-0002 Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal Systems (Wabo® HSeal)** (07 91 33 00-0001)

Note: Includes a pre-compressed seal, epoxy adhesive and traffic grade elastomeric top coating.

07 91 33 00-0003	LF	1/2" Minimum, 1-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 25EH)	98.28	8.15
07 91 33 00-0004	LF	3/4" Minimum, 2-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 40EH)	131.83	8.53
07 91 33 00-0005	LF	1" Minimum, 3" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 50EH)	167.22	8.92
07 91 33 00-0006	LF	1-1/4" Minimum, 3-3/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 65EH)	206.61	9.30

MINOR		CSI UOM DESCRIPTION		TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
07 91 33 00-0007	LF	1-1/2" Minimum, 4-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 75EH)	268.40	9.69	
07 91 33 00-0008	LF	1-3/4" Minimum, 5-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 90EH)	308.45	10.08	
07 91 33 00-0009	LF	2" Minimum, 6" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 100EH)	358.15	10.47	
07 91 33 00-0010 Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal Systems (Wabo® CompressionSeal) (07 91 33 00-0001)					
Note: Includes preformed neoprene joint seal and lubricant adhesive.					
07 91 33 00-0011	LF	0.625" Minimum, 1.381" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-162)	49.63	8.15	
07 91 33 00-0012	LF	0.688" Minimum, 1.488" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-175)	54.27	8.26	
07 91 33 00-0013	LF	0.875" Minimum, 1.700" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-200)	65.87	8.38	
07 91 33 00-0014	LF	0.953" Minimum, 1.913" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-225)	69.96	8.53	
07 91 33 00-0015	LF	1.000" Minimum, 2.125" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-250)	74.83	8.64	
07 91 33 00-0016	LF	1.125" Minimum, 2.550" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-300)	92.03	8.76	
07 91 33 00-0017	LF	1.375" Minimum, 2.975" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-350)	113.82	8.92	
07 91 33 00-0018	LF	1.625" Minimum, 3.400" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-400)	134.84	9.30	
07 91 33 00-0019	LF	1.687" Minimum, 4.250" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-500)	152.79	9.69	
07 91 33 00-0020 Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal Systems (Wabo® CompressionSeal) (07 91 33 00-0001)					
Note: Includes preformed Santoprene® joint seal and lubricant adhesive.					
07 91 33 00-0021	LF	0.500" Minimum, 1.500" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-100)	41.34	8.15	
07 91 33 00-0022	LF	0.688" Minimum, 1.938" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-225)	54.05	8.53	
07 91 33 00-0023	LF	1.063" Minimum, 2.125" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-250)	66.55	8.92	
07 91 33 00-0024	LF	1.250" Minimum, 2.563" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-300)	70.33	9.11	
07 91 33 00-0025	LF	1.250" Minimum, 3.375" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-400)	78.15	9.30	
07 91 33 00-0026	LF	1.438" Minimum, 4.250" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-500)	112.69	9.69	
07 91 33 00-0027	LF	1.813" Minimum, 5.125" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-600)	155.43	10.08	
07 91 33 00-0028 Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal Systems (Wabo® Seismic WeatherSeal) (07 91 33 00-0001)					
Note: Includes a pre-compressed foam seal and silicone sealant.					
07 91 33 00-0029	LF	1/2" Minimum, 1-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-100)	36.48	3.23	
07 91 33 00-0030	LF	3/4" Minimum, 2-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-150)	61.39	3.36	
07 91 33 00-0031	LF	1" Minimum, 3" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-200)	92.57	3.49	
07 91 33 00-0032	LF	1-1/4" Minimum, 3-3/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-250)	116.80	3.62	
07 91 33 00-0033	LF	1-1/2" Minimum, 4-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-300)	153.81	3.74	
07 91 33 00-0034	LF	1-3/4" Minimum, 5-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-350)	203.58	3.88	
07 91 33 00-0035	LF	2" Minimum, 6" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-400)	249.77	4.01	
07 91 33 00-0036	LF	2-1/2" Minimum, 7-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-500)	336.97	4.14	
07 91 33 00-0037	LF	3" Minimum, 9" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-600)	393.46	4.26	
07 91 33 00-0038 Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal Systems (Wabo® WeatherSeal II) (07 91 33 00-0001)					
Note: Includes a pre-compressed foam seal and silicone sealant.					
07 91 33 00-0039	LF	0.75" Minimum, 1.25" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-100)	35.59	3.23	
07 91 33 00-0040	LF	1.13" Minimum, 1.88" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-150)	47.05	3.36	
07 91 33 00-0041	LF	1.50" Minimum, 2.50" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-200)	63.22	3.49	
07 91 33 00-0042	LF	1.88" Minimum, 3.13" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-250)	85.87	3.62	
07 91 33 00-0043	LF	2.25" Minimum, 3.75" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-300)	98.02	3.74	

07 Thermal And Moisture Protection**07 90 Joint Protection****07 91 Preformed Joint Seals**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 91 33 00-0044	LF	2.63" Minimum, 4.38" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-350).....	136.14	3.88
07 91 33 00-0045	LF	3.00" Minimum, 5.00" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-400).....	183.00	4.01
07 91 33 00-0046	LF	3.75" Minimum, 6.25" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-500).....	197.60	4.14

07 92 Joint Sealants ^(07 90)**07 92 13 Elastomeric Joint Sealants** ^(07 92)**07 92 13 00-0001 Silicone Sealant And Caulking** ^(07 92 13)

07 92 13 00-0002	CLF	1/4" x 1/4" Joint, Silicone Sealant And Caulking	404.99	115.51
		For Custom Match Coloring, Add	14.03	
		For Up To 6 CLF, Add	21.71	
		For >30 CLF, Deduct	-23.17	
		For 1 Part Mildew Resistant, Add	20.46	
		For High-Modulus Non-Acid Curing, Add	11.69	
07 92 13 00-0003	CLF	1/4" x 3/8" Joint, Silicone Sealant And Caulking	434.22	115.51
		For Custom Match Coloring, Add	21.05	
		For Up To 4 CLF, Add	23.90	
		For >20 CLF, Deduct	-26.10	
		For 1 Part Mildew Resistant, Add	30.70	
		For High-Modulus Non-Acid Curing, Add	17.54	
07 92 13 00-0004	CLF	1/4" x 1/2" Joint, Silicone Sealant And Caulking	476.29	119.36
		For Custom Match Coloring, Add	28.07	
		For Up To 3 CLF, Add	26.74	
		For >15 CLF, Deduct	-29.66	
		For 1 Part Mildew Resistant, Add	40.93	
		For High-Modulus Non-Acid Curing, Add	23.39	
07 92 13 00-0005	CLF	3/8" x 3/8" Joint, Silicone Sealant And Caulking	490.90	119.36
		For Custom Match Coloring, Add	31.57	
		For Up To 2.5 CLF, Add	27.83	
		For >13 CLF, Deduct	-31.12	
		For 1 Part Mildew Resistant, Add	46.04	
		For High-Modulus Non-Acid Curing, Add	26.31	
07 92 13 00-0006	CLF	3/8" x 1/2" Joint, Silicone Sealant And Caulking	534.75	119.36
		For Custom Match Coloring, Add	42.10	
		For Up To 2 CLF, Add	31.12	
		For >10 CLF, Deduct	-35.51	
		For 1 Part Mildew Resistant, Add	61.39	
		For High-Modulus Non-Acid Curing, Add	35.08	
07 92 13 00-0007	CLF	3/8" x 5/8" Joint, Silicone Sealant And Caulking	578.61	119.36
		For Custom Match Coloring, Add	52.62	
		For Up To 1.5 CLF, Add	34.41	
		For >8 CLF, Deduct	-39.89	
		For 1 Part Mildew Resistant, Add	76.74	
		For High-Modulus Non-Acid Curing, Add	43.85	
07 92 13 00-0008	CLF	3/8" x 3/4" Joint, Silicone Sealant And Caulking	635.29	124.49
		For Custom Match Coloring, Add	63.15	
		For Up To 1.3 CLF, Add	38.34	
		For >7 CLF, Deduct	-44.92	
		For 1 Part Mildew Resistant, Add	92.09	
		For High-Modulus Non-Acid Curing, Add	52.62	
07 92 13 00-0009	CLF	1/2" x 1/2" Joint, Silicone Sealant And Caulking	606.05	124.49
		For Custom Match Coloring, Add	56.13	
		For Up To 1.4 CLF, Add	36.15	
		For >7.5 CLF, Deduct	-42.00	
		For 1 Part Mildew Resistant, Add	81.85	
		For High-Modulus Non-Acid Curing, Add	46.77	
07 92 13 00-0010	CLF	1/2" x 5/8" Joint, Silicone Sealant And Caulking	677.37	128.34
		For Custom Match Coloring, Add	70.16	
		For Up To 1.15 CLF, Add	41.18	
		For >6 CLF, Deduct	-48.49	
		For 1 Part Mildew Resistant, Add	102.32	
		For High-Modulus Non-Acid Curing, Add	58.47	
07 92 13 00-0011	CLF	1/2" x 3/4" Joint, Silicone Sealant And Caulking	735.84	128.34
		For Custom Match Coloring, Add	84.19	
		For Up To 1 CLF, Add	45.56	
		For >5 CLF, Deduct	-54.33	
		For 1 Part Mildew Resistant, Add	122.78	
		For High-Modulus Non-Acid Curing, Add	70.16	
07 92 13 00-0012	CLF	1/2" x 7/8" Joint, Silicone Sealant And Caulking	807.14	132.19
		For Custom Match Coloring, Add	98.23	
		For Up To 0.8 CLF, Add	50.59	
		For >4.5 CLF, Deduct	-60.82	
		For 1 Part Mildew Resistant, Add	143.25	
		For High-Modulus Non-Acid Curing, Add	81.86	
07 92 13 00-0013	CLF	1/2" x 1" Joint, Silicone Sealant And Caulking	878.44	137.32
		For Custom Match Coloring, Add	112.26	
		For Up To 0.75 CLF, Add	55.62	
		For >4 CLF, Deduct	-67.31	
		For 1 Part Mildew Resistant, Add	163.71	
		For High-Modulus Non-Acid Curing, Add	93.55	
07 92 13 00-0014	CLF	3/4" x 3/4" Joint, Silicone Sealant And Caulking	949.73	141.17
		For Custom Match Coloring, Add	126.29	
		For Up To 0.65 CLF, Add	60.64	
		For >3.5 CLF, Deduct	-73.80	
		For 1 Part Mildew Resistant, Add	184.17	
		For High-Modulus Non-Acid Curing, Add	105.24	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 13 00-0015	CLF	3/4" x 1" Joint, Silicone Sealant And Caulking	1,163.65	154.01
		For Custom Match Coloring, Add	168.39	
		For Up To 0.5 CLF, Add	75.72	
		For >2.5 CLF, Deduct	-93.26	
		For 1 Part Mildew Resistant, Add	245.57	
		For High-Modulus Non-Acid Curing, Add	140.32	
07 92 13 00-0016	CLF	1" x 1" Joint, Silicone Sealant And Caulking	1,448.85	170.69
		For Custom Match Coloring, Add	224.52	
		For Up To 0.4 CLF, Add	95.83	
		For >2 CLF, Deduct	-119.22	
		For 1 Part Mildew Resistant, Add	327.42	
		For High-Modulus Non-Acid Curing, Add	187.10	
07 92 13 00-0017 Acrylic/Latex Sealant And Caulking (07 92 13)				
07 92 13 00-0018	CLF	1/4" x 1/4" Joint, Acrylic/Latex Sealant And Caulking	367.03	115.51
		For Up To 6 CLF, Add	18.86	
		For >30 CLF, Deduct	-19.38	
07 92 13 00-0019	CLF	1/4" x 3/8" Joint, Acrylic/Latex Sealant And Caulking	377.29	115.51
		For Up To 4 CLF, Add	19.63	
		For >20 CLF, Deduct	-20.40	
07 92 13 00-0020	CLF	1/4" x 1/2" Joint, Acrylic/Latex Sealant And Caulking	400.38	119.36
		For Up To 3 CLF, Add	21.04	
		For >15 CLF, Deduct	-22.07	
07 92 13 00-0021	CLF	3/8" x 3/8" Joint, Acrylic/Latex Sealant And Caulking	405.50	119.36
		For Up To 2.5 CLF, Add	21.43	
		For >13 CLF, Deduct	-22.58	
07 92 13 00-0022	CLF	3/8" x 1/2" Joint, Acrylic/Latex Sealant And Caulking	420.89	119.36
		For Up To 2 CLF, Add	22.58	
		For >10 CLF, Deduct	-24.12	
07 92 13 00-0023	CLF	3/8" x 5/8" Joint, Acrylic/Latex Sealant And Caulking	436.27	119.36
		For Up To 1.5 CLF, Add	23.74	
		For >8 CLF, Deduct	-25.66	
07 92 13 00-0024	CLF	3/8" x 3/4" Joint, Acrylic/Latex Sealant And Caulking	464.49	124.49
		For Up To 1.3 CLF, Add	25.53	
		For >7 CLF, Deduct	-27.84	
07 92 13 00-0025	CLF	1/2" x 1/2" Joint, Acrylic/Latex Sealant And Caulking	454.23	124.49
		For Up To 1.4 CLF, Add	24.76	
		For >7.5 CLF, Deduct	-26.81	
07 92 13 00-0026	CLF	1/2" x 5/8" Joint, Acrylic/Latex Sealant And Caulking	487.59	128.34
		For Up To 1.15 CLF, Add	26.94	
		For >6 CLF, Deduct	-29.51	
07 92 13 00-0027	CLF	1/2" x 3/4" Joint, Acrylic/Latex Sealant And Caulking	508.11	128.34
		For Up To 1 CLF, Add	28.48	
		For >5 CLF, Deduct	-31.56	
07 92 13 00-0028	CLF	1/2" x 7/8" Joint, Acrylic/Latex Sealant And Caulking	541.45	132.19
		For Up To 0.8 CLF, Add	30.66	
		For >4.5 CLF, Deduct	-34.25	
07 92 13 00-0029	CLF	1/2" x 1" Joint, Acrylic/Latex Sealant And Caulking	574.79	137.32
		For Up To 0.75 CLF, Add	32.84	
		For >4 CLF, Deduct	-36.94	
07 92 13 00-0030	CLF	3/4" x 3/4" Joint, Acrylic/Latex Sealant And Caulking	608.13	141.17
		For Up To 0.65 CLF, Add	35.02	
		For >3.5 CLF, Deduct	-39.64	
07 92 13 00-0031	CLF	3/4" x 1" Joint, Acrylic/Latex Sealant And Caulking	708.18	154.01
		For Up To 0.5 CLF, Add	41.56	
		For >2.5 CLF, Deduct	-47.72	
07 92 13 00-0032	CLF	1" x 1" Joint, Acrylic/Latex Sealant And Caulking	841.56	170.69
		For Up To 0.4 CLF, Add	50.28	
		For >2 CLF, Deduct	-58.49	
07 92 13 00-0033 Polyurethane Sealant And Caulking (07 92 13)				
		Note: 1 or 2 part, non-sag.		
07 92 13 00-0034	CLF	1/4" x 1/4" Joint, Polyurethane Sealant And Caulking	391.36	115.51
		For Up To 6 CLF, Add	20.69	
		For >30 CLF, Deduct	-21.81	
07 92 13 00-0035	CLF	1/4" x 3/8" Joint, Polyurethane Sealant And Caulking	413.79	115.51
		For Up To 4 CLF, Add	22.37	
		For >20 CLF, Deduct	-24.05	
07 92 13 00-0036	CLF	1/4" x 1/2" Joint, Polyurethane Sealant And Caulking	449.04	119.36
		For Up To 3 CLF, Add	24.69	
		For >15 CLF, Deduct	-26.94	
07 92 13 00-0037	CLF	3/8" x 3/8" Joint, Polyurethane Sealant And Caulking	460.25	119.36
		For Up To 2.5 CLF, Add	25.54	
		For >13 CLF, Deduct	-28.06	
07 92 13 00-0038	CLF	3/8" x 1/2" Joint, Polyurethane Sealant And Caulking	493.88	119.36
		For Up To 2 CLF, Add	28.06	
		For >10 CLF, Deduct	-31.42	
07 92 13 00-0039	CLF	3/8" x 5/8" Joint, Polyurethane Sealant And Caulking	527.51	119.36
		For Up To 1.5 CLF, Add	30.58	
		For >8 CLF, Deduct	-34.78	
07 92 13 00-0040	CLF	3/8" x 3/4" Joint, Polyurethane Sealant And Caulking	573.97	124.49
		For Up To 1.3 CLF, Add	33.74	
		For >7 CLF, Deduct	-38.79	
07 92 13 00-0041	CLF	1/2" x 1/2" Joint, Polyurethane Sealant And Caulking	551.55	124.49
		For Up To 1.4 CLF, Add	32.06	
		For >7.5 CLF, Deduct	-36.55	

07 Thermal And Moisture Protection**07 90 Joint Protection****07 92 Joint Sealants**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
07 92 13 00-0042	CLF 1/2" x 5/8" Joint, Polyurethane Sealant And Caulking..... For Up To 1.15 CLF, Add For >6 CLF, Deduct	609.25 36.07 -41.67		128.34	
07 92 13 00-0043	CLF 1/2" x 3/4" Joint, Polyurethane Sealant And Caulking..... For Up To 1 CLF, Add For >5 CLF, Deduct	654.09 39.43 -46.16		128.34	
07 92 13 00-0044	CLF 1/2" x 7/8" Joint, Polyurethane Sealant And Caulking..... For Up To 0.8 CLF, Add For >4.5 CLF, Deduct	711.76 43.44 -51.28		132.19	
07 92 13 00-0045	CLF 1/2" x 1" Joint, Polyurethane Sealant And Caulking..... For Up To 0.75 CLF, Add For >4 CLF, Deduct	769.44 47.44 -56.41		137.32	
07 92 13 00-0046	CLF 3/4" x 3/4" Joint, Polyurethane Sealant And Caulking..... For Up To 0.65 CLF, Add For >3.5 CLF, Deduct	827.11 51.45 -61.54		141.17	
07 92 13 00-0047	CLF 3/4" x 1" Joint, Polyurethane Sealant And Caulking..... For Up To 0.5 CLF, Add For >2.5 CLF, Deduct	1,000.15 63.46 -76.91		154.01	
07 92 13 00-0048 Flexible Polysulfide Sealant And Caulking, Clear (07 92 13)					
Note: 1 or 2 part, non-sag.					
07 92 13 00-0049	CLF 1/4" x 1/4" Joint, Polysulfide Sealant And Caulking For Up To 6 CLF, Add For >30 CLF, Deduct	395.62 21.01 -22.24		115.51	
07 92 13 00-0050	CLF 1/4" x 3/8" Joint, Polysulfide Sealant And Caulking For Up To 4 CLF, Add For >20 CLF, Deduct	420.19 22.85 -24.69		115.51	
07 92 13 00-0051	CLF 1/4" x 1/2" Joint, Polysulfide Sealant And Caulking For Up To 3 CLF, Add For >15 CLF, Deduct	457.57 25.33 -27.79		119.36	
07 92 13 00-0052	CLF 3/8" x 3/8" Joint, Polysulfide Sealant And Caulking For Up To 2.5 CLF, Add For >13 CLF, Deduct	469.84 26.25 -29.02		119.36	
07 92 13 00-0053	CLF 3/8" x 1/2" Joint, Polysulfide Sealant And Caulking For Up To 2 CLF, Add For >10 CLF, Deduct	506.69 29.02 -32.70		119.36	
07 92 13 00-0054	CLF 3/8" x 5/8" Joint, Polysulfide Sealant And Caulking For Up To 1.5 CLF, Add For >8 CLF, Deduct	543.51 31.78 -36.38		119.36	
07 92 13 00-0055	CLF 3/8" x 3/4" Joint, Polysulfide Sealant And Caulking For Up To 1.3 CLF, Add For >7 CLF, Deduct	593.17 35.18 -40.71		124.49	
07 92 13 00-0056	CLF 1/2" x 1/2" Joint, Polysulfide Sealant And Caulking For Up To 1.4 CLF, Add For >7.5 CLF, Deduct	568.62 33.34 -38.25		124.49	
07 92 13 00-0057	CLF 1/2" x 5/8" Joint, Polysulfide Sealant And Caulking For Up To 1.15 CLF, Add For >6 CLF, Deduct	630.59 37.67 -43.81		128.34	
07 92 13 00-0058	CLF 1/2" x 3/4" Joint, Polysulfide Sealant And Caulking For Up To 1 CLF, Add For >5 CLF, Deduct	679.69 41.35 -48.72		128.34	
07 92 13 00-0059	CLF 1/2" x 7/8" Joint, Polysulfide Sealant And Caulking For Up To 0.8 CLF, Add For >4.5 CLF, Deduct	741.64 45.68 -54.27		132.19	
07 92 13 00-0060	CLF 1/2" x 1" Joint, Polysulfide Sealant And Caulking For Up To 0.75 CLF, Add For >4 CLF, Deduct	803.57 50.00 -59.82		137.32	
07 92 13 00-0061	CLF 3/4" x 3/4" Joint, Polysulfide Sealant And Caulking For Up To 0.65 CLF, Add For >3.5 CLF, Deduct	865.52 54.33 -65.38		141.17	
07 92 13 00-0062	CLF 3/4" x 1" Joint, Polysulfide Sealant And Caulking For Up To 0.5 CLF, Add For >2.5 CLF, Deduct	1,051.34 67.30 -82.03		154.01	
07 92 13 00-0063 Flexible Polyurethane Security Sealant And Caulking (07 92 13)					
Note: 1 or 2 part, non-sag.					
07 92 13 00-0064	CLF 1/4" x 1/4" Joint, Flexible Polyurethane Security Sealant And Caulking For Up To 6 CLF, Add For >30 CLF, Deduct	406.04 21.79 -23.28		115.51	
07 92 13 00-0065	CLF 1/4" x 3/8" Joint, Flexible Polyurethane Security Sealant And Caulking For Up To 4 CLF, Add For >20 CLF, Deduct	435.80 24.02 -26.25		115.51	
07 92 13 00-0066	CLF 1/4" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking For Up To 3 CLF, Add For >15 CLF, Deduct	478.38 26.89 -29.87		119.36	
07 92 13 00-0067	CLF 3/8" x 3/8" Joint, Flexible Polyurethane Security Sealant And Caulking For Up To 2.5 CLF, Add For >13 CLF, Deduct	493.26 28.01 -31.36		119.36	
07 92 13 00-0068	CLF 3/8" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking For Up To 2 CLF, Add For >10 CLF, Deduct	537.90 31.36 -35.82		119.36	
07 92 13 00-0069	CLF 3/8" x 5/8" Joint, Flexible Polyurethane Security Sealant And Caulking For Up To 1.5 CLF, Add For >8 CLF, Deduct	582.54 34.71 -40.29		119.36	
07 92 13 00-0070	CLF 3/8" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking For Up To 1.3 CLF, Add For >7 CLF, Deduct	640.00 38.70 -45.39		124.49	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 13 00-0071	CLF	1/2" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking	610.25	124.49
		For Up To 1.4 CLF, Add	36.46	
		For >7.5 CLF, Deduct	-42.42	
07 92 13 00-0072	CLF	1/2" x 5/8" Joint, Flexible Polyurethane Security Sealant And Caulking	682.61	128.34
		For Up To 1.15 CLF, Add	41.57	
		For >6 CLF, Deduct	-49.01	
07 92 13 00-0073	CLF	1/2" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking	742.13	128.34
		For Up To 1 CLF, Add	46.03	
		For >5 CLF, Deduct	-54.96	
07 92 13 00-0074	CLF	1/2" x 7/8" Joint, Flexible Polyurethane Security Sealant And Caulking	814.47	132.19
		For Up To 0.8 CLF, Add	51.14	
		For >4.5 CLF, Deduct	-61.55	
07 92 13 00-0075	CLF	1/2" x 1" Joint, Flexible Polyurethane Security Sealant And Caulking	886.82	137.32
		For Up To 0.75 CLF, Add	56.24	
		For >4 CLF, Deduct	-68.15	
07 92 13 00-0076	CLF	3/4" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking	959.17	141.17
		For Up To 0.65 CLF, Add	61.35	
		For >3.5 CLF, Deduct	-74.74	
07 92 13 00-0077	CLF	3/4" x 1" Joint, Flexible Polyurethane Security Sealant And Caulking	1,176.23	154.01
		For Up To 0.5 CLF, Add	76.67	
		For >2.5 CLF, Deduct	-94.52	

07 92 19 Acoustical Joint Sealants (07 92)

07 92 19 00-0001 Acoustical Sealant (07 92 19)

07 92 19 00-0002	CLF	1/4" x 1/4" Joint, Acoustical Sealant	399.15	115.51
		For Custom Match Coloring, Add	12.63	
		For Up To 6 CLF, Add	21.27	
		For >30 CLF, Deduct	-22.59	
		For 1 Part Mildew Resistant, Add	18.42	
		For High-Modulus Non-Acid Curing, Add	10.53	
07 92 19 00-0003	CLF	1/4" x 3/8" Joint, Acoustical Sealant	419.13	115.51
		For Custom Match Coloring, Add	17.43	
		For Up To 4 CLF, Add	22.77	
		For >20 CLF, Deduct	-24.59	
		For 1 Part Mildew Resistant, Add	25.41	
		For High-Modulus Non-Acid Curing, Add	14.52	
07 92 19 00-0004	CLF	1/4" x 1/2" Joint, Acoustical Sealant	443.74	119.36
		For Custom Match Coloring, Add	20.25	
		For Up To 3 CLF, Add	24.30	
		For >15 CLF, Deduct	-26.41	
		For 1 Part Mildew Resistant, Add	29.54	
		For High-Modulus Non-Acid Curing, Add	16.88	
07 92 19 00-0005	CLF	3/8" x 3/8" Joint, Acoustical Sealant	476.44	119.36
		For Custom Match Coloring, Add	28.10	
		For Up To 2.5 CLF, Add	26.75	
		For >13 CLF, Deduct	-29.68	
		For 1 Part Mildew Resistant, Add	40.98	
		For High-Modulus Non-Acid Curing, Add	23.42	
07 92 19 00-0006	CLF	3/8" x 1/2" Joint, Acoustical Sealant	510.44	119.36
		For Custom Match Coloring, Add	36.26	
		For Up To 2 CLF, Add	29.30	
		For >10 CLF, Deduct	-33.08	
		For 1 Part Mildew Resistant, Add	52.88	
		For High-Modulus Non-Acid Curing, Add	30.22	
07 92 19 00-0007	CLF	1/2" x 1/2" Joint, Acoustical Sealant	585.07	124.49
		For Custom Match Coloring, Add	51.09	
		For Up To 1.4 CLF, Add	34.58	
		For >7.5 CLF, Deduct	-39.90	
		For 1 Part Mildew Resistant, Add	74.51	
		For High-Modulus Non-Acid Curing, Add	42.58	

07 95 Expansion Control (07 90)

07 95 13 Expansion Joint Cover Assemblies (07 95)

Note: Includes necessary waterproofing mastics/caulking.

07 95 13 13 Interior Expansion Joint Cover Assemblies (07 95 13)

07 95 13 13-0001 Interior Floor Expansion Joint Cover Assemblies (07 95 13 13)

07 95 13 13-0002 With 1" Space (07 95 13 13-0001)

07 95 13 13-0003	LF	1" Opening Floor Assembly Type, With Aluminum Expansion Joint Cover	76.99	6.56
07 95 13 13-0004	LF	1" Opening Floor Assembly Type, With Bronze Expansion Joint Cover	63.72	6.56
07 95 13 13-0005	LF	1" Opening Floor Assembly Type, With Stainless Steel Expansion Joint Cover	95.34	6.56

07 95 13 13-0006 With 2" Space (07 95 13 13-0001)

07 95 13 13-0007	LF	2" Opening Floor Assembly Type, Aluminum Expansion Joint Cover	103.95	6.56
07 95 13 13-0008	LF	2" Opening Floor Assembly Type, Bronze Expansion Joint Cover	77.27	6.56
07 95 13 13-0009	LF	2" Opening Floor Assembly Type, Stainless Steel Expansion Joint Cover	131.49	6.56

07 95 13 13-0010 Interior Ceiling And Wall Expansion Joint Cover Assemblies (07 95 13 13)

07 95 13 13-0011 With 1" Space (07 95 13 13-0010)

07 95 13 13-0012	LF	1" Opening Ceiling And Wall Assembly Type, Aluminum Expansion Joint Cover	55.72	6.56
07 95 13 13-0013	LF	1" Opening Ceiling And Wall Assembly Type, Bronze Expansion Joint Cover	55.87	6.56

07 Thermal And Moisture Protection**07 90 Joint Protection****07 95 Expansion Control**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 95 13 13-0014 LF 1" Opening Ceiling And Wall Assembly Type, Stainless Steel Expansion Joint Cover82.97 6.56

07 95 13 13-0015 With 2" Space (07 95 13 13-0010)

07 95 13 13-0016 LF 2" Opening Ceiling And Wall Assembly Type, Aluminum Expansion Joint Cover71.90 6.56

07 95 13 13-0017 LF 2" Opening Ceiling And Wall Assembly Type, Bronze Expansion Joint Cover62.64 6.56

07 95 13 13-0018 LF 2" Opening Ceiling And Wall Assembly Type, Stainless Steel Expansion Joint Cover101.04 6.56

07 95 13 16 Exterior Expansion Joint Cover Assemblies (07 95 13)**07 95 13 16-0001 Exterior Roof Aluminum Expansion Joint Cover Assemblies** (07 95 13 16)**07 95 13 16-0002 Roof To Roof** (07 95 13 16-0001)

07 95 13 16-0003 LF 1" Opening Aluminum Assemblies, Exterior Roof To Roof Expansion Joint106.25 4.37

07 95 13 16-0004 LF 2" Opening Aluminum Assemblies, Exterior Roof To Roof Expansion Joint128.95 4.37

07 95 13 16-0005 LF 3" Opening Aluminum Assemblies, Exterior Roof To Roof Expansion Joint144.58 4.37

07 95 13 16-0006 Roof To Wall (07 95 13 16-0001)

07 95 13 16-0007 LF 1" Opening Aluminum Assemblies, Exterior Roof To Wall Expansion Joint77.79 4.37

07 95 13 16-0008 LF 2" Opening Aluminum Assemblies, Exterior Roof To Wall Expansion Joint105.57 4.37

07 95 13 16-0009 Flat Wall To Wall (07 95 13 16-0001)

07 95 13 16-0010 LF 1" Opening Aluminum Assemblies, Exterior Wall To Wall Expansion Joint57.10 4.37

07 95 13 16-0011 LF 2" Opening Aluminum Assemblies, Exterior Wall To Wall Expansion Joint73.77 4.37

07 95 13 16-0012 LF 3" Opening Aluminum Assemblies, Exterior Wall To Wall Expansion Joint93.89 4.37

07 95 13 16-0013 Corner To Flat Wall (07 95 13 16-0001)

07 95 13 16-0014 LF 1" Opening Aluminum Assemblies, Exterior Corner To Wall Expansion Joint53.22 4.37

07 95 13 16-0015 LF 2" Opening Aluminum Assemblies, Exterior Corner To Wall Expansion Joint64.33 4.37

07 95 13 16-0016 LF 3" Opening Aluminum Assemblies, Exterior Corner To Wall Expansion Joint95.56 4.37

END OF SECTION 07

		Openings	08	08
		Operation and Maintenance of Openings	08 01	
		Operation and Maintenance of Doors and Frames	08 01 10	
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
		UNIT COST	UNIT COST	

08 Openings

08 01 Operation and Maintenance of Openings ⁽⁰⁸⁾

08 01 10 Operation and Maintenance of Doors and Frames ^(08 01)

08 01 11 Operation and Maintenance of Metal Doors and Frames ^(08 01 10)

08 01 11 61 Metal Doors and Frames Repair ^(08 01 11)

08 01 11 61-0001		Hollow Metal Door Repair ^(08 01 11 61)	
		Note: Repairs are based on holes or damage of less than 1/2 of a square foot.	
08 01 11 61-0002	EA	Up To 1 SI, Patch Small Drill Holes	22.48
		Note: Per hinge location - sand to bare metal, mix/patch with bondo, fine grit sand smooth for finish	
08 01 11 61-0003	EA	>1 To 6 SI, Patch Small Drill Holes.....	45.10
		Note: Per hinge location - sand to bare metal, mix/patch with bondo, fine grit sand smooth for finish	
08 01 11 61-0004	LF	Patch Deep Scrapes Or Cuts In Doors.....	54.31

08 01 50 Operation and Maintenance of Windows ^(08 01)

08 01 52 Operation and Maintenance of Wood Windows ^(08 01 50)

08 01 52 61 Wood Window Repairs ^(08 01 52)

08 01 52 61-0001		Window Restoration And Replacement ^(08 01 52 61)	
08 01 52 61-0002	EA	Removal And Replacement Of Sash Guides.....	14.34
08 01 52 61-0003	EA	Removal And Replacement Of Window Arms	40.47
08 01 52 61-0004	EA	Removal And Replacement Of Window Crank Operator	45.90
08 01 52 61-0005	EA	Removal And Replacement Of Brass Window Sash Pull	28.19
08 01 52 61-0006	EA	Removal And Replacement Of Brass Window Sash Lock.....	25.37
08 01 52 61-0007	EA	Removal And Replacement Of Window Balance, Removable Sash Window	31.35
		Note: Channel, spiral or coil balance.	
08 01 52 61-0008	EA	Removal And Replacement Of Window Balance, Sash Window, Wooden Stops And/or Casing	95.54
		Note: Channel, spiral or coil balance.	
		For Replacing Two Balances In One Window, Deduct	-35.44

08 01 70 Operation and Maintenance of Hardware ^(08 01)

08 01 71 Operation and Maintenance of Door Hardware ^(08 01 70)

08 01 71 81 Door Hardware Replacement ^(08 01 71)

08 01 71 81-0001		Replacement Keys For Locks ^(08 01 71 81)	
08 01 71 81-0002	EA	LL803 Replacement Keys.....	9.34
08 01 71 81-0003	EA	Cat45 Replacement Keys	10.08

08 01 80 Maintenance of Glazing ^(08 01)

08 01 81 Maintenance of Glass Glazing ^(08 01 80)

08 01 81 10 Maintenance of Glass Glazing ^(08 01 81)

08 01 81 10-0001		Glazing Compound Repair ^(08 01 81 10)	
08 01 81 10-0002	LF	Removal And Replacement Of Up To 1/2" Wide Damaged, Broken Or Cracked Window Glazing (For Glazing Compound Repair)	9.69

08 05 Common Work Results for Openings ⁽⁰⁸⁾

08 05 13 Door Options and Modifications ^(08 05)

Note: Excludes removal and reinstallation of door.

08 05 13 00-0001		Door Vision Panels (Pemko LT-S1) ^(08 05 13)	
		Note: Factory primed or powder coated. See CSI section 08 81 00 00-0000 for glazing.	
08 05 13 00-0002	EA	For Up To 1 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	151.19
		For 9/16" To 1-1/16" Glazing Pocket, Add	75.60
08 05 13 00-0003	EA	For >1 To 2 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	191.38
		For 9/16" To 1-1/16" Glazing Pocket, Add	95.69
08 05 13 00-0004	EA	For >2 To 4 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	222.00
		For 9/16" To 1-1/16" Glazing Pocket, Add	111.00
08 05 13 00-0005	EA	For >4 To 6 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	283.24
		For 9/16" To 1-1/16" Glazing Pocket, Add	141.62
08 05 13 00-0006	EA	For >6 To 8 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	367.44
		For 9/16" To 1-1/16" Glazing Pocket, Add	183.72
08 05 13 00-0007	EA	For >8 To 10 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	468.87
		For 9/16" To 1-1/16" Glazing Pocket, Add	234.44

08 Openings**08 05 Common Work Results for Openings****08 05 13 Door Options and Modifications**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 05 13 00-0008	EA	For >10 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	497.58
		<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	<i>248.79</i>
08 05 13 00-0009	EA	For Up To 1 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	265.83
		<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	<i>68.72</i>
08 05 13 00-0010	EA	For >1 To 2 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	315.21
		<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	<i>86.99</i>
08 05 13 00-0011	EA	For >2 To 4 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	355.87
		<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	<i>100.91</i>
08 05 13 00-0012	EA	For >4 To 6 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	424.39
		<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	<i>128.75</i>
08 05 13 00-0013	EA	For >6 To 8 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	513.79
		<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	<i>167.02</i>
08 05 13 00-0014	EA	For >8 To 10 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	618.82
		<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	<i>213.12</i>
08 05 13 00-0015	EA	For >10 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	657.76
		<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	<i>226.17</i>

08 05 13 00-0016 Door Louvers, Inverted "Y" 50% Free Air (Pemko LV-IY) (08 05 13)

Note: Factory primed or powder coated.

08 05 13 00-0017	EA	For Up To 1 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	144.16
08 05 13 00-0018	EA	For >1 To 2 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	163.77
08 05 13 00-0019	EA	For >2 To 4 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	222.58
08 05 13 00-0020	EA	For >4 To 6 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	415.06
08 05 13 00-0021	EA	For >6 To 8 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	513.29
08 05 13 00-0022	EA	For >8 To 10 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	613.10
08 05 13 00-0023	EA	For >10 To 14 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	800.04
08 05 13 00-0024	EA	For >14 To 18 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	941.76
		<i>For 18 Gauge Louver And 18 Gauge Frame, Add</i>	<i>113.01</i>
08 05 13 00-0025	EA	For Up To 1 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	240.45
08 05 13 00-0026	EA	For >1 To 2 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	269.69
08 05 13 00-0027	EA	For >2 To 4 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	338.13
08 05 13 00-0028	EA	For >4 To 6 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	540.24
08 05 13 00-0029	EA	For >6 To 8 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	648.10
08 05 13 00-0030	EA	For >8 To 10 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	757.53
08 05 13 00-0031	EA	For >10 To 14 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	954.10
08 05 13 00-0032	EA	For >14 To 18 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	1,102.24
		<i>For 18 Gauge Louver And 18 Gauge Frame, Add</i>	<i>113.01</i>

08 05 13 00-0033 Fire Rated Fusible Link Louvers (Pemko LV-FL) (08 05 13)

Note: Factory primed or powder coated.

08 05 13 00-0034	EA	For Up To 1 SF, Factory Installed 16 Gauge Galvannealed Adjustable "Z" Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add	291.93
08 05 13 00-0035	EA	For >1 To 2 SF, Factory Installed 16 Gauge Galvannealed Adjustable "Z" Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add	334.06
08 05 13 00-0036	EA	For >2 To 4 SF, Factory Installed 16 Gauge Galvannealed Adjustable "Z" Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add	392.39
08 05 13 00-0037	EA	For Up To 1 SF, Site Installed 16 Gauge Galvannealed Adjustable "Z" Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add	407.48
08 05 13 00-0038	EA	For >1 To 2 SF, Site Installed 16 Gauge Galvannealed Adjustable "Z" Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add	462.45
08 05 13 00-0039	EA	For >2 To 4 SF, Site Installed 16 Gauge Galvannealed Adjustable "Z" Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add	531.05

08 05 13 00-0040 Door Hardware Preparation (08 05 13)

08 05 13 00-0041	EA	Factory Prepare Wood Door (Rated Or Non-Rated) For Mortise Lockset Hardware	96.25
08 05 13 00-0042	EA	Prepare Existing Wood Door (Rated) For Mortise Lockset Hardware	237.43
		Note: Requires door to be taken off site for UL certification.	
08 05 13 00-0043	EA	Prepare Existing Wood Door (Non-Rated) For Mortise Lockset Hardware	109.08
08 05 13 00-0044	EA	Prepare Existing Wood Door (Rated) For Cylindrical Lockset Hardware	192.52
		Note: Requires door to be taken off site for UL certification.	
08 05 13 00-0045	EA	Prepare Existing Wood Door (Non-Rated) For Cylindrical Lockset Hardware	32.08

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 05 13 00-0046	EA	Prepare Existing Wood Door (Rated) For Concealed Vertical Rod..... Note: Requires door to be taken off site for UL certification.	352.98	
08 05 13 00-0047	EA	Prepare Existing Wood Door (Non-Rated) For Concealed Vertical Rod.....	224.59	
08 05 13 00-0048	EA	Prepare Existing Wood Door (Rated) For Electric Hardware..... Note: Requires door to be taken off site for UL certification.	237.43	
08 05 13 00-0049	EA	Prepare Existing Door (Non-Rated) For Electric Hardware	109.08	

08 05 13 00-0050 Door Modifications (08 05 13)

08 05 13 00-0051	EA	Removal And Reinstallation Of Door	109.13	
08 05 13 00-0052	EA	Removal And Reinstallation Of Metal Door Frame	213.98	
08 05 13 00-0053	EA	Trim Bottom Of Existing Steel Door For Installation Of Carpet Or Tile	115.55	
		Note: Excludes removal and reinstallation of door.		
08 05 13 00-0054	EA	Modify Metal Door Frame For Door Swing	1,433.97	
		Note: Includes removal of door; install blank hinge plates, new continuous hinge, blank strike plate, new strike plate and reinstallation of door.		
08 05 13 00-0055	EA	Factory Installed Sound Proofing (STC 28) In Metal Door.....	114.95	
08 05 13 00-0056	SF	For 16 Gauge Steel Metal Plate Bolted On Door..... Note: Includes mounting hardware.	25.94	
08 05 13 00-0057	EA	Removal And Reinstallation Of Wood Door Frame.....	129.24	
08 05 13 00-0058	EA	Trim Bottom Of Existing Wood Door For Installation Of Carpet Or Tile	58.16	
		Note: Excludes removal and reinstallation of door.		
08 05 13 00-0059	EA	Factory Trim Wood Door Edge For Custom Width	84.01	

08 10 Doors and Frames (08)

08 11 Metal Doors and Frames (08 10)

08 11 13 Hollow Metal Doors and Frames (08 11)

See CSI section 08 12 13 00-0000 for hollow metal frames, 08 13 13 00-0000 for hollow metal doors.

08 11 16 Aluminum Doors and Frames (08 11)

See CSI section 08 12 16 00-0000 for aluminum frames.

08 11 63 Metal Screen and Storm Doors and Frames (08 11)

08 11 63 13 Steel Screen and Storm Doors and Frames (08 11 63)

08 11 63 13-0001 Steel Screen Door (08 11 63 13)

Note: Includes frame, trim, necessary anchors and hardware (closures, chain and spring, latching, screens, etc.).

08 11 63 13-0002	EA	2'-8" x 7', Residential, Steel Screen Door With Frame, Trim, Hardware	904.03	176.54
08 11 63 13-0003	EA	3' x 7' Steel Screen Door, Residential, With Frame, Trim, Hardware.....	916.91	182.96
08 11 63 13-0004	EA	Steel Combination Type Residential Storm Door, With Mesh And Tempered Glass With Frame, Trim, Hardware.....	1,486.65	182.96

08 11 63 23 Aluminum Screen and Storm Doors and Frames (08 11 63)

08 11 63 23-0001 Aluminum Combination Type With Tempered Glass At Top And Bottom (08 11 63 23)

Note: Includes frame trim, necessary anchors and usual hardware (closures, chain and spring, latching, screens, etc.).

08 11 63 23-0002	EA	Aluminum Combination Type Residential Storm Door, Tempered Glass Top With Frame, Trim, Hardware	1,137.03	102.71
		For Special Finished, Add	105.63	
08 11 63 23-0003	EA	Aluminum Combination Type Residential Storm Door, Tempered Glass Top And Bottom With Frame, Trim, Hardware.....	1,196.40	102.71
08 11 63 23-0004	EA	Aluminum Screen Door.....	335.55	64.17
08 11 63 23-0005	SF	Repair Screen Door.....	16.59	

08 11 73 Sliding Metal Fire Doors (08 11)

08 11 73 00-0001 Motor Operated Fire Door With Fusible Link (08 11 73)

Note: 3 hour rating. Excludes electrical hook-up of motor.

08 11 73 00-0002	EA	3' x 6' 8" Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating.....	4,410.86	546.54
08 11 73 00-0003	EA	3' 8" x 6' 8" Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating.....	4,690.21	546.54
08 11 73 00-0004	EA	4' x 8" Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating	5,156.84	546.54
08 11 73 00-0005	EA	5' x 8" Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating	5,665.29	546.54

08 12 Metal Frames (08 10)

Note: Includes perimeter caulk, sealant (as required), anchors and silencers.

08 12 13 Hollow Metal Frames (08 12)

08 12 13 13 Standard Hollow Metal Frames (08 12 13)

Note: Shop prime coat. See CSI section 04 05 16 26-0017 for grouting frames.

08 12 13 13-0001 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13 13)

Note: For non-rated or fire rated frame assemblies

08 12 13 13-0002 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13 13-0001)

08 Openings**08 10 Doors and Frames****08 12 Metal Frames**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 12 13 13-0003	EA	2' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	681.05	96.29
		For Auxiliary Frame Reinforcement For Hinges, Add	73.27	
		For Welded Frames, Add	284.75	
		For Galvanized Frames, Add	58.62	
		For Type 304 Stainless Steel Frame, Add	888.88	
		For Type 316 Stainless Steel Frame, Add	1,035.42	
		For Baked Enamel Finish, Add	175.43	
		For 18 Gauge Frame, Deduct	-48.85	
		For 14 Gauge Frame, Add	122.12	
		For 12 Gauge Frame, Add	185.62	
08 12 13 13-0004	EA	2'-4" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	793.35	105.92
		For Auxiliary Frame Reinforcement For Hinges, Add	87.23	
		For Welded Frames, Add	284.75	
		For Galvanized Frames, Add	69.78	
		For Type 304 Stainless Steel Frame, Add	1,057.31	
		For Type 316 Stainless Steel Frame, Add	1,231.76	
		For Baked Enamel Finish, Add	206.23	
		For 18 Gauge Frame, Deduct	-58.15	
		For 14 Gauge Frame, Add	145.38	
		For 12 Gauge Frame, Add	220.97	
08 12 13 13-0005	EA	2'-6" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	815.49	112.34
		For Auxiliary Frame Reinforcement For Hinges, Add	88.62	
		For Welded Frames, Add	284.75	
		For Galvanized Frames, Add	70.90	
		For Type 304 Stainless Steel Frame, Add	1,074.69	
		For Type 316 Stainless Steel Frame, Add	1,251.94	
		For Baked Enamel Finish, Add	210.95	
		For 18 Gauge Frame, Deduct	-59.08	
		For 14 Gauge Frame, Add	147.70	
		For 12 Gauge Frame, Add	224.51	
08 12 13 13-0006	EA	2'-8" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	834.75	121.97
		For Auxiliary Frame Reinforcement For Hinges, Add	88.62	
		For Welded Frames, Add	284.75	
		For Galvanized Frames, Add	70.90	
		For Type 304 Stainless Steel Frame, Add	1,075.66	
		For Type 316 Stainless Steel Frame, Add	1,252.90	
		For Baked Enamel Finish, Add	213.83	
		For 18 Gauge Frame, Deduct	-59.08	
		For 14 Gauge Frame, Add	147.70	
		For 12 Gauge Frame, Add	224.51	
08 12 13 13-0007	EA	2'-10" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	850.48	125.18
		For Auxiliary Frame Reinforcement For Hinges, Add	90.02	
		For Welded Frames, Add	284.75	
		For Galvanized Frames, Add	72.01	
		For Type 304 Stainless Steel Frame, Add	1,092.73	
		For Type 316 Stainless Steel Frame, Add	1,272.77	
		For Baked Enamel Finish, Add	217.59	
		For 18 Gauge Frame, Deduct	-60.01	
		For 14 Gauge Frame, Add	150.03	
		For 12 Gauge Frame, Add	228.05	
08 12 13 13-0008	EA	3' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	866.20	128.39
		For Auxiliary Frame Reinforcement For Hinges, Add	91.41	
		For Welded Frames, Add	284.75	
		For Galvanized Frames, Add	73.13	
		For Type 304 Stainless Steel Frame, Add	1,109.80	
		For Type 316 Stainless Steel Frame, Add	1,292.62	
		For Baked Enamel Finish, Add	221.34	
		For 18 Gauge Frame, Deduct	-60.94	
		For 14 Gauge Frame, Add	152.36	
		For 12 Gauge Frame, Add	231.58	
08 12 13 13-0009	EA	3'-4" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	920.90	134.81
		For Auxiliary Frame Reinforcement For Hinges, Add	97.69	
		For Welded Frames, Add	284.75	
		For Galvanized Frames, Add	78.15	
		For Type 304 Stainless Steel Frame, Add	1,185.80	
		For Type 316 Stainless Steel Frame, Add	1,381.19	
		For Baked Enamel Finish, Add	235.83	
		For 18 Gauge Frame, Deduct	-65.13	
		For 14 Gauge Frame, Add	162.82	
		For 12 Gauge Frame, Add	247.49	
08 12 13 13-0010	EA	3'-6" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	933.74	141.23
		For Auxiliary Frame Reinforcement For Hinges, Add	97.69	
		For Welded Frames, Add	284.75	
		For Galvanized Frames, Add	78.15	
		For Type 304 Stainless Steel Frame, Add	1,186.44	
		For Type 316 Stainless Steel Frame, Add	1,381.83	
		For Baked Enamel Finish, Add	237.75	
		For 18 Gauge Frame, Deduct	-65.13	
		For 14 Gauge Frame, Add	162.82	
		For 12 Gauge Frame, Add	247.49	
08 12 13 13-0011	EA	4' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	969.84	147.64
		For Auxiliary Frame Reinforcement For Hinges, Add	101.18	
		For Welded Frames, Add	284.75	
		For Galvanized Frames, Add	80.95	
		For Type 304 Stainless Steel Frame, Add	1,228.95	
		For Type 316 Stainless Steel Frame, Add	1,431.32	
		For Baked Enamel Finish, Add	246.66	
		For 18 Gauge Frame, Deduct	-67.46	
		For 14 Gauge Frame, Add	168.64	
		For 12 Gauge Frame, Add	256.33	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0012	EA	5' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,005.94	154.06	
		For Auxiliary Frame Reinforcement For Hinges, Add	104.67		
		For Welded Frames, Add	284.75		
		For Galvanized Frames, Add	83.74		
		For Type 304 Stainless Steel Frame, Add	1,271.46		
		For Type 316 Stainless Steel Frame, Add	1,480.81		
		For Baked Enamel Finish, Add	255.56		
		For 18 Gauge Frame, Deduct	-69.78		
		For 14 Gauge Frame, Add	174.45		
		For 12 Gauge Frame, Add	265.17		
08 12 13 13-0013	EA	5'-4" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,018.78	160.48	
		For Auxiliary Frame Reinforcement For Hinges, Add	104.67		
		For Welded Frames, Add	284.75		
		For Galvanized Frames, Add	83.74		
		For Type 304 Stainless Steel Frame, Add	1,272.11		
		For Type 316 Stainless Steel Frame, Add	1,481.45		
		For Baked Enamel Finish, Add	257.49		
		For 18 Gauge Frame, Deduct	-69.78		
		For 14 Gauge Frame, Add	174.45		
		For 12 Gauge Frame, Add	265.17		
08 12 13 13-0014	EA	5'-8" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,036.83	163.69	
		For Auxiliary Frame Reinforcement For Hinges, Add	106.42		
		For Welded Frames, Add	284.75		
		For Galvanized Frames, Add	85.13		
		For Type 304 Stainless Steel Frame, Add	1,293.36		
		For Type 316 Stainless Steel Frame, Add	1,506.19		
		For Baked Enamel Finish, Add	261.94		
		For 18 Gauge Frame, Deduct	-70.94		
		For 14 Gauge Frame, Add	177.36		
		For 12 Gauge Frame, Add	269.59		
08 12 13 13-0015	EA	6' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,054.88	166.90	
		For Auxiliary Frame Reinforcement For Hinges, Add	108.16		
		For Welded Frames, Add	284.75		
		For Galvanized Frames, Add	86.53		
		For Type 304 Stainless Steel Frame, Add	1,314.62		
		For Type 316 Stainless Steel Frame, Add	1,530.94		
		For Baked Enamel Finish, Add	266.39		
		For 18 Gauge Frame, Deduct	-72.11		
		For 14 Gauge Frame, Add	180.27		
		For 12 Gauge Frame, Add	274.01		
08 12 13 13-0016	EA	7' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,107.82	170.11	
		For Auxiliary Frame Reinforcement For Hinges, Add	115.14		
		For Welded Frames, Add	284.75		
		For Galvanized Frames, Add	92.11		
		For Type 304 Stainless Steel Frame, Add	1,398.67		
		For Type 316 Stainless Steel Frame, Add	1,628.95		
		For Baked Enamel Finish, Add	281.31		
		For 18 Gauge Frame, Deduct	-76.76		
		For 14 Gauge Frame, Add	191.90		
		For 12 Gauge Frame, Add	291.68		
08 12 13 13-0017	EA	8' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,160.76	173.32	
		For Auxiliary Frame Reinforcement For Hinges, Add	122.12		
		For Welded Frames, Add	284.75		
		For Galvanized Frames, Add	97.69		
		For Type 304 Stainless Steel Frame, Add	1,482.73		
		For Type 316 Stainless Steel Frame, Add	1,726.96		
		For Baked Enamel Finish, Add	296.23		
		For 18 Gauge Frame, Deduct	-81.41		
		For 14 Gauge Frame, Add	203.53		
		For 12 Gauge Frame, Add	309.36		
08 12 13 13-0018		>7'-2" Through 9'-0" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13 13-0001)			
08 12 13 13-0019	EA	2' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	735.32	96.29	
		For Auxiliary Frame Reinforcement For Hinges, Add	81.41		
		For Welded Frames, Add	284.75		
		For Galvanized Frames, Add	65.13		
		For Type 304 Stainless Steel Frame, Add	986.56		
		For Type 316 Stainless Steel Frame, Add	1,149.38		
		For Baked Enamel Finish, Add	191.71		
		For 18 Gauge Frame, Deduct	-54.27		
		For 14 Gauge Frame, Add	135.69		
		For 12 Gauge Frame, Add	206.24		
08 12 13 13-0020	EA	2'-4" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	857.96	105.92	
		For Auxiliary Frame Reinforcement For Hinges, Add	96.92		
		For Welded Frames, Add	284.75		
		For Galvanized Frames, Add	77.53		
		For Type 304 Stainless Steel Frame, Add	1,173.61		
		For Type 316 Stainless Steel Frame, Add	1,367.44		
		For Baked Enamel Finish, Add	225.61		
		For 18 Gauge Frame, Deduct	-64.61		
		For 14 Gauge Frame, Add	161.53		
		For 12 Gauge Frame, Add	245.53		

08 Openings**08 10 Doors and Frames****08 12 Metal Frames**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

08 12 13 13-0021	EA 2'-6" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	881.14	112.34
	For Auxiliary Frame Reinforcement For Hinges, Add	98.47	
	For Welded Frames, Add	284.75	
	For Galvanized Frames, Add	78.78	
	For Type 304 Stainless Steel Frame, Add	1,192.86	
	For Type 316 Stainless Steel Frame, Add	1,389.80	
	For Baked Enamel Finish, Add	230.64	
	For 18 Gauge Frame, Deduct	-65.65	
	For 14 Gauge Frame, Add	164.12	
	For 12 Gauge Frame, Add	249.45	
08 12 13 13-0022	EA 2'-8" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	900.40	121.97
	For Auxiliary Frame Reinforcement For Hinges, Add	98.47	
	For Welded Frames, Add	284.75	
	For Galvanized Frames, Add	78.78	
	For Type 304 Stainless Steel Frame, Add	1,193.83	
	For Type 316 Stainless Steel Frame, Add	1,390.76	
	For Baked Enamel Finish, Add	233.53	
	For 18 Gauge Frame, Deduct	-65.65	
	For 14 Gauge Frame, Add	164.12	
	For 12 Gauge Frame, Add	249.45	
08 12 13 13-0023	EA 2'-10" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	917.16	125.18
	For Auxiliary Frame Reinforcement For Hinges, Add	100.02	
	For Welded Frames, Add	284.75	
	For Galvanized Frames, Add	80.02	
	For Type 304 Stainless Steel Frame, Add	1,212.76	
	For Type 316 Stainless Steel Frame, Add	1,412.80	
	For Baked Enamel Finish, Add	237.59	
	For 18 Gauge Frame, Deduct	-66.68	
	For 14 Gauge Frame, Add	166.70	
	For 12 Gauge Frame, Add	253.38	
08 12 13 13-0024	EA 3' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	933.92	128.39
	For Auxiliary Frame Reinforcement For Hinges, Add	101.57	
	For Welded Frames, Add	284.75	
	For Galvanized Frames, Add	81.26	
	For Type 304 Stainless Steel Frame, Add	1,231.69	
	For Type 316 Stainless Steel Frame, Add	1,434.83	
	For Baked Enamel Finish, Add	241.66	
	For 18 Gauge Frame, Deduct	-67.71	
	For 14 Gauge Frame, Add	169.29	
	For 12 Gauge Frame, Add	257.31	
08 12 13 13-0025	EA 3'-4" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	993.27	134.81
	For Auxiliary Frame Reinforcement For Hinges, Add	108.55	
	For Welded Frames, Add	284.75	
	For Galvanized Frames, Add	86.84	
	For Type 304 Stainless Steel Frame, Add	1,316.07	
	For Type 316 Stainless Steel Frame, Add	1,533.17	
	For Baked Enamel Finish, Add	257.54	
	For 18 Gauge Frame, Deduct	-72.37	
	For 14 Gauge Frame, Add	180.92	
	For 12 Gauge Frame, Add	274.99	
08 12 13 13-0026	EA 3'-6" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,006.11	141.23
	For Auxiliary Frame Reinforcement For Hinges, Add	108.55	
	For Welded Frames, Add	284.75	
	For Galvanized Frames, Add	86.84	
	For Type 304 Stainless Steel Frame, Add	1,316.71	
	For Type 316 Stainless Steel Frame, Add	1,533.81	
	For Baked Enamel Finish, Add	259.47	
	For 18 Gauge Frame, Deduct	-72.37	
	For 14 Gauge Frame, Add	180.92	
	For 12 Gauge Frame, Add	274.99	
08 12 13 13-0027	EA 4' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,044.79	147.64
	For Auxiliary Frame Reinforcement For Hinges, Add	112.43	
	For Welded Frames, Add	284.75	
	For Galvanized Frames, Add	89.94	
	For Type 304 Stainless Steel Frame, Add	1,363.86	
	For Type 316 Stainless Steel Frame, Add	1,588.71	
	For Baked Enamel Finish, Add	269.14	
	For 18 Gauge Frame, Deduct	-74.95	
	For 14 Gauge Frame, Add	187.38	
	For 12 Gauge Frame, Add	284.81	
08 12 13 13-0028	EA 5' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,083.48	154.06
	For Auxiliary Frame Reinforcement For Hinges, Add	116.30	
	For Welded Frames, Add	284.75	
	For Galvanized Frames, Add	93.04	
	For Type 304 Stainless Steel Frame, Add	1,411.04	
	For Type 316 Stainless Steel Frame, Add	1,643.64	
	For Baked Enamel Finish, Add	278.82	
	For 18 Gauge Frame, Deduct	-77.54	
	For 14 Gauge Frame, Add	193.84	
	For 12 Gauge Frame, Add	294.63	
08 12 13 13-0029	EA 5'-4" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,096.32	160.48
	For Auxiliary Frame Reinforcement For Hinges, Add	116.30	
	For Welded Frames, Add	284.75	
	For Galvanized Frames, Add	93.04	
	For Type 304 Stainless Steel Frame, Add	1,411.68	
	For Type 316 Stainless Steel Frame, Add	1,644.28	
	For Baked Enamel Finish, Add	280.75	
	For 18 Gauge Frame, Deduct	-77.54	
	For 14 Gauge Frame, Add	193.84	
	For 12 Gauge Frame, Add	294.63	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0030	EA		5'-8" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,115.66	163.69
			For Auxiliary Frame Reinforcement For Hinges, Add	118.24	
			For Welded Frames, Add	284.75	
			For Galvanized Frames, Add	94.59	
			For Type 304 Stainless Steel Frame, Add	1,435.26	
			For Type 316 Stainless Steel Frame, Add	1,671.74	
			For Baked Enamel Finish, Add	285.59	
			For 18 Gauge Frame, Deduct	-78.83	
			For 14 Gauge Frame, Add	197.07	
			For 12 Gauge Frame, Add	299.54	
08 12 13 13-0031	EA		6' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,135.00	166.90
			For Auxiliary Frame Reinforcement For Hinges, Add	120.18	
			For Welded Frames, Add	284.75	
			For Galvanized Frames, Add	96.14	
			For Type 304 Stainless Steel Frame, Add	1,458.83	
			For Type 316 Stainless Steel Frame, Add	1,699.19	
			For Baked Enamel Finish, Add	290.43	
			For 18 Gauge Frame, Deduct	-80.12	
			For 14 Gauge Frame, Add	200.30	
			For 12 Gauge Frame, Add	304.45	
08 12 13 13-0032	EA		7' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,193.11	170.11
			For Auxiliary Frame Reinforcement For Hinges, Add	127.93	
			For Welded Frames, Add	284.75	
			For Galvanized Frames, Add	102.35	
			For Type 304 Stainless Steel Frame, Add	1,552.20	
			For Type 316 Stainless Steel Frame, Add	1,808.06	
			For Baked Enamel Finish, Add	306.90	
			For 18 Gauge Frame, Deduct	-85.29	
			For 14 Gauge Frame, Add	213.22	
			For 12 Gauge Frame, Add	324.09	
08 12 13 13-0033	EA		8' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,251.22	173.32
			For Auxiliary Frame Reinforcement For Hinges, Add	135.69	
			For Welded Frames, Add	284.75	
			For Galvanized Frames, Add	108.55	
			For Type 304 Stainless Steel Frame, Add	1,645.56	
			For Type 316 Stainless Steel Frame, Add	1,916.93	
			For Baked Enamel Finish, Add	323.37	
			For 18 Gauge Frame, Deduct	-90.46	
			For 14 Gauge Frame, Add	226.14	
			For 12 Gauge Frame, Add	343.74	
08 12 13 13-0034			5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13 13)		
			Note: For non-rated or fire rated frame assemblies		
08 12 13 13-0035			6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13 13-0034)		
08 12 13 13-0036	EA		2' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	735.32	96.29
			For Auxiliary Frame Reinforcement For Hinges, Add	81.41	
			For Welded Frames, Add	284.75	
			For Galvanized Frames, Add	65.13	
			For Type 304 Stainless Steel Frame, Add	986.56	
			For Type 316 Stainless Steel Frame, Add	1,149.38	
			For Baked Enamel Finish, Add	191.71	
			For 18 Gauge Frame, Deduct	-54.27	
			For 14 Gauge Frame, Add	135.69	
			For 12 Gauge Frame, Add	206.24	
08 12 13 13-0037	EA		2'-4" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	857.96	105.92
			For Auxiliary Frame Reinforcement For Hinges, Add	96.92	
			For Welded Frames, Add	284.75	
			For Galvanized Frames, Add	77.53	
			For Type 304 Stainless Steel Frame, Add	1,173.61	
			For Type 316 Stainless Steel Frame, Add	1,367.44	
			For Baked Enamel Finish, Add	225.61	
			For 18 Gauge Frame, Deduct	-64.61	
			For 14 Gauge Frame, Add	161.53	
			For 12 Gauge Frame, Add	245.53	
08 12 13 13-0038	EA		2'-6" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	881.14	112.34
			For Auxiliary Frame Reinforcement For Hinges, Add	98.47	
			For Welded Frames, Add	284.75	
			For Galvanized Frames, Add	78.78	
			For Type 304 Stainless Steel Frame, Add	1,192.86	
			For Type 316 Stainless Steel Frame, Add	1,389.80	
			For Baked Enamel Finish, Add	230.64	
			For 18 Gauge Frame, Deduct	-65.65	
			For 14 Gauge Frame, Add	164.12	
			For 12 Gauge Frame, Add	249.45	
08 12 13 13-0039	EA		2'-8" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	900.40	121.97
			For Auxiliary Frame Reinforcement For Hinges, Add	98.47	
			For Welded Frames, Add	284.75	
			For Galvanized Frames, Add	78.78	
			For Type 304 Stainless Steel Frame, Add	1,193.83	
			For Type 316 Stainless Steel Frame, Add	1,390.76	
			For Baked Enamel Finish, Add	233.53	
			For 18 Gauge Frame, Deduct	-65.65	
			For 14 Gauge Frame, Add	164.12	
			For 12 Gauge Frame, Add	249.45	

08 Openings**08 10 Doors and Frames****08 12 Metal Frames**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 12 13 13-0040	EA	2'-10" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	917.16	125.18
		For Auxiliary Frame Reinforcement For Hinges, Add	100.02	
		For Welded Frames, Add	284.75	
		For Galvanized Frames, Add	80.02	
		For Type 304 Stainless Steel Frame, Add	1,212.76	
		For Type 316 Stainless Steel Frame, Add	1,412.80	
		For Baked Enamel Finish, Add	237.59	
		For 18 Gauge Frame, Deduct	-66.68	
		For 14 Gauge Frame, Add	166.70	
		For 12 Gauge Frame, Add	253.38	
08 12 13 13-0041	EA	3' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	933.91	128.39
		For Auxiliary Frame Reinforcement For Hinges, Add	101.57	
		For Welded Frames, Add	284.75	
		For Galvanized Frames, Add	81.26	
		For Type 304 Stainless Steel Frame, Add	1,231.67	
		For Type 316 Stainless Steel Frame, Add	1,434.81	
		For Baked Enamel Finish, Add	241.66	
		For 18 Gauge Frame, Deduct	-67.71	
		For 14 Gauge Frame, Add	169.28	
		For 12 Gauge Frame, Add	257.31	
08 12 13 13-0042	EA	3'-4" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	993.27	134.81
		For Auxiliary Frame Reinforcement For Hinges, Add	108.55	
		For Welded Frames, Add	284.75	
		For Galvanized Frames, Add	86.84	
		For Type 304 Stainless Steel Frame, Add	1,316.07	
		For Type 316 Stainless Steel Frame, Add	1,533.17	
		For Baked Enamel Finish, Add	257.54	
		For 18 Gauge Frame, Deduct	-72.37	
		For 14 Gauge Frame, Add	180.92	
		For 12 Gauge Frame, Add	274.99	
08 12 13 13-0043	EA	3'-6" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,006.11	141.23
		For Auxiliary Frame Reinforcement For Hinges, Add	108.55	
		For Welded Frames, Add	284.75	
		For Galvanized Frames, Add	86.84	
		For Type 304 Stainless Steel Frame, Add	1,316.71	
		For Type 316 Stainless Steel Frame, Add	1,533.81	
		For Baked Enamel Finish, Add	259.47	
		For 18 Gauge Frame, Deduct	-72.37	
		For 14 Gauge Frame, Add	180.92	
		For 12 Gauge Frame, Add	274.99	
08 12 13 13-0044	EA	4' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,044.79	147.64
		For Auxiliary Frame Reinforcement For Hinges, Add	112.43	
		For Welded Frames, Add	284.75	
		For Galvanized Frames, Add	89.94	
		For Type 304 Stainless Steel Frame, Add	1,363.86	
		For Type 316 Stainless Steel Frame, Add	1,588.71	
		For Baked Enamel Finish, Add	269.14	
		For 18 Gauge Frame, Deduct	-74.95	
		For 14 Gauge Frame, Add	187.38	
		For 12 Gauge Frame, Add	284.81	
08 12 13 13-0045	EA	5' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,083.47	154.06
		For Auxiliary Frame Reinforcement For Hinges, Add	116.30	
		For Welded Frames, Add	284.75	
		For Galvanized Frames, Add	93.04	
		For Type 304 Stainless Steel Frame, Add	1,411.02	
		For Type 316 Stainless Steel Frame, Add	1,643.62	
		For Baked Enamel Finish, Add	278.82	
		For 18 Gauge Frame, Deduct	-77.53	
		For 14 Gauge Frame, Add	193.84	
		For 12 Gauge Frame, Add	294.63	
08 12 13 13-0046	EA	5'-4" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,096.31	160.48
		For Auxiliary Frame Reinforcement For Hinges, Add	116.30	
		For Welded Frames, Add	284.75	
		For Galvanized Frames, Add	93.04	
		For Type 304 Stainless Steel Frame, Add	1,411.66	
		For Type 316 Stainless Steel Frame, Add	1,644.26	
		For Baked Enamel Finish, Add	280.75	
		For 18 Gauge Frame, Deduct	-77.53	
		For 14 Gauge Frame, Add	193.84	
		For 12 Gauge Frame, Add	294.63	
08 12 13 13-0047	EA	5'-8" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,115.66	163.69
		For Auxiliary Frame Reinforcement For Hinges, Add	118.24	
		For Welded Frames, Add	284.75	
		For Galvanized Frames, Add	94.59	
		For Type 304 Stainless Steel Frame, Add	1,435.26	
		For Type 316 Stainless Steel Frame, Add	1,671.74	
		For Baked Enamel Finish, Add	285.59	
		For 18 Gauge Frame, Deduct	-78.83	
		For 14 Gauge Frame, Add	197.07	
		For 12 Gauge Frame, Add	299.54	
08 12 13 13-0048	EA	6' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,135.00	166.90
		For Auxiliary Frame Reinforcement For Hinges, Add	120.18	
		For Welded Frames, Add	284.75	
		For Galvanized Frames, Add	96.14	
		For Type 304 Stainless Steel Frame, Add	1,458.83	
		For Type 316 Stainless Steel Frame, Add	1,699.19	
		For Baked Enamel Finish, Add	290.43	
		For 18 Gauge Frame, Deduct	-80.12	
		For 14 Gauge Frame, Add	200.30	
		For 12 Gauge Frame, Add	304.45	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0049	EA		7' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,193.11	170.11
			For Auxiliary Frame Reinforcement For Hinges, Add	127.93	
			For Welded Frames, Add	284.75	
			For Galvanized Frames, Add	102.35	
			For Type 304 Stainless Steel Frame, Add	1,552.20	
			For Type 316 Stainless Steel Frame, Add	1,808.06	
			For Baked Enamel Finish, Add	306.90	
			For 18 Gauge Frame, Deduct	-85.29	
			For 14 Gauge Frame, Add	213.22	
			For 12 Gauge Frame, Add	324.09	
08 12 13 13-0050	EA		8' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,251.22	173.32
			For Auxiliary Frame Reinforcement For Hinges, Add	135.69	
			For Welded Frames, Add	284.75	
			For Galvanized Frames, Add	108.55	
			For Type 304 Stainless Steel Frame, Add	1,645.56	
			For Type 316 Stainless Steel Frame, Add	1,916.93	
			For Baked Enamel Finish, Add	323.37	
			For 18 Gauge Frame, Deduct	-90.46	
			For 14 Gauge Frame, Add	226.14	
			For 12 Gauge Frame, Add	343.74	
08 12 13 13-0051			>7'-2" Through 9'-0" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13 13-0034)		
08 12 13 13-0052	EA		2' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	795.63	96.29
			For Auxiliary Frame Reinforcement For Hinges, Add	90.46	
			For Welded Frames, Add	284.75	
			For Galvanized Frames, Add	72.37	
			For Type 304 Stainless Steel Frame, Add	1,095.12	
			For Type 316 Stainless Steel Frame, Add	1,276.03	
			For Baked Enamel Finish, Add	209.80	
			For 18 Gauge Frame, Deduct	-60.31	
			For 14 Gauge Frame, Add	150.76	
			For 12 Gauge Frame, Add	229.16	
08 12 13 13-0053	EA		2'-4" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	929.75	105.92
			For Auxiliary Frame Reinforcement For Hinges, Add	107.69	
			For Welded Frames, Add	284.75	
			For Galvanized Frames, Add	86.15	
			For Type 304 Stainless Steel Frame, Add	1,302.83	
			For Type 316 Stainless Steel Frame, Add	1,518.20	
			For Baked Enamel Finish, Add	247.15	
			For 18 Gauge Frame, Deduct	-71.79	
			For 14 Gauge Frame, Add	179.48	
			For 12 Gauge Frame, Add	272.81	
08 12 13 13-0054	EA		2'-6" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	954.08	112.34
			For Auxiliary Frame Reinforcement For Hinges, Add	109.41	
			For Welded Frames, Add	284.75	
			For Galvanized Frames, Add	87.53	
			For Type 304 Stainless Steel Frame, Add	1,324.15	
			For Type 316 Stainless Steel Frame, Add	1,542.97	
			For Baked Enamel Finish, Add	252.52	
			For 18 Gauge Frame, Deduct	-72.94	
			For 14 Gauge Frame, Add	182.35	
			For 12 Gauge Frame, Add	277.17	
08 12 13 13-0055	EA		2'-8" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	973.34	121.97
			For Auxiliary Frame Reinforcement For Hinges, Add	109.41	
			For Welded Frames, Add	284.75	
			For Galvanized Frames, Add	87.53	
			For Type 304 Stainless Steel Frame, Add	1,325.12	
			For Type 316 Stainless Steel Frame, Add	1,543.94	
			For Baked Enamel Finish, Add	255.41	
			For 18 Gauge Frame, Deduct	-72.94	
			For 14 Gauge Frame, Add	182.35	
			For 12 Gauge Frame, Add	277.17	
08 12 13 13-0056	EA		2'-10" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	991.25	125.18
			For Auxiliary Frame Reinforcement For Hinges, Add	111.13	
			For Welded Frames, Add	284.75	
			For Galvanized Frames, Add	88.91	
			For Type 304 Stainless Steel Frame, Add	1,346.12	
			For Type 316 Stainless Steel Frame, Add	1,568.39	
			For Baked Enamel Finish, Add	259.82	
			For 18 Gauge Frame, Deduct	-74.09	
			For 14 Gauge Frame, Add	185.22	
			For 12 Gauge Frame, Add	281.54	
08 12 13 13-0057	EA		3' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,009.15	128.39
			For Auxiliary Frame Reinforcement For Hinges, Add	112.86	
			For Welded Frames, Add	284.75	
			For Galvanized Frames, Add	90.28	
			For Type 304 Stainless Steel Frame, Add	1,367.11	
			For Type 316 Stainless Steel Frame, Add	1,592.82	
			For Baked Enamel Finish, Add	264.23	
			For 18 Gauge Frame, Deduct	-75.24	
			For 14 Gauge Frame, Add	188.09	
			For 12 Gauge Frame, Add	285.90	

08 Openings**08 10 Doors and Frames****08 12 Metal Frames**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 12 13 13-0058	EA	3'-4" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,073.67	134.81
		For Auxiliary Frame Reinforcement For Hinges, Add	120.61	
		For Welded Frames, Add	284.75	
		For Galvanized Frames, Add	96.49	
		For Type 304 Stainless Steel Frame, Add	1,460.79	
		For Type 316 Stainless Steel Frame, Add	1,702.01	
		For Baked Enamel Finish, Add	281.66	
		For 18 Gauge Frame, Deduct	-80.41	
		For 14 Gauge Frame, Add	201.02	
		For 12 Gauge Frame, Add	305.54	
08 12 13 13-0059	EA	3'-6" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,086.51	141.23
		For Auxiliary Frame Reinforcement For Hinges, Add	120.61	
		For Welded Frames, Add	284.75	
		For Galvanized Frames, Add	96.49	
		For Type 304 Stainless Steel Frame, Add	1,461.43	
		For Type 316 Stainless Steel Frame, Add	1,702.65	
		For Baked Enamel Finish, Add	283.59	
		For 18 Gauge Frame, Deduct	-80.41	
		For 14 Gauge Frame, Add	201.02	
		For 12 Gauge Frame, Add	305.54	
08 12 13 13-0060	EA	4' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,128.07	147.64
		For Auxiliary Frame Reinforcement For Hinges, Add	124.92	
		For Welded Frames, Add	284.75	
		For Galvanized Frames, Add	99.93	
		For Type 304 Stainless Steel Frame, Add	1,513.77	
		For Type 316 Stainless Steel Frame, Add	1,763.60	
		For Baked Enamel Finish, Add	294.13	
		For 18 Gauge Frame, Deduct	-83.28	
		For 14 Gauge Frame, Add	208.20	
		For 12 Gauge Frame, Add	316.46	
08 12 13 13-0061	EA	5' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,169.62	154.06
		For Auxiliary Frame Reinforcement For Hinges, Add	129.22	
		For Welded Frames, Add	284.75	
		For Galvanized Frames, Add	103.38	
		For Type 304 Stainless Steel Frame, Add	1,566.09	
		For Type 316 Stainless Steel Frame, Add	1,824.54	
		For Baked Enamel Finish, Add	304.67	
		For 18 Gauge Frame, Deduct	-86.15	
		For 14 Gauge Frame, Add	215.37	
		For 12 Gauge Frame, Add	327.37	
08 12 13 13-0062	EA	5'-4" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,182.46	160.48
		For Auxiliary Frame Reinforcement For Hinges, Add	129.22	
		For Welded Frames, Add	284.75	
		For Galvanized Frames, Add	103.38	
		For Type 304 Stainless Steel Frame, Add	1,566.73	
		For Type 316 Stainless Steel Frame, Add	1,825.18	
		For Baked Enamel Finish, Add	306.59	
		For 18 Gauge Frame, Deduct	-86.15	
		For 14 Gauge Frame, Add	215.37	
		For 12 Gauge Frame, Add	327.37	
08 12 13 13-0063	EA	5'-8" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,203.24	163.69
		For Auxiliary Frame Reinforcement For Hinges, Add	131.38	
		For Welded Frames, Add	284.75	
		For Galvanized Frames, Add	105.10	
		For Type 304 Stainless Steel Frame, Add	1,592.90	
		For Type 316 Stainless Steel Frame, Add	1,855.65	
		For Baked Enamel Finish, Add	311.86	
		For 18 Gauge Frame, Deduct	-87.59	
		For 14 Gauge Frame, Add	218.96	
		For 12 Gauge Frame, Add	332.82	
08 12 13 13-0064	EA	6' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,224.02	166.90
		For Auxiliary Frame Reinforcement For Hinges, Add	133.53	
		For Welded Frames, Add	284.75	
		For Galvanized Frames, Add	106.83	
		For Type 304 Stainless Steel Frame, Add	1,619.07	
		For Type 316 Stainless Steel Frame, Add	1,886.13	
		For Baked Enamel Finish, Add	317.13	
		For 18 Gauge Frame, Deduct	-89.02	
		For 14 Gauge Frame, Add	222.55	
		For 12 Gauge Frame, Add	338.28	
08 12 13 13-0065	EA	7' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,287.87	170.11
		For Auxiliary Frame Reinforcement For Hinges, Add	142.15	
		For Welded Frames, Add	284.75	
		For Galvanized Frames, Add	113.72	
		For Type 304 Stainless Steel Frame, Add	1,722.76	
		For Type 316 Stainless Steel Frame, Add	2,007.06	
		For Baked Enamel Finish, Add	335.33	
		For 18 Gauge Frame, Deduct	-94.76	
		For 14 Gauge Frame, Add	236.91	
		For 12 Gauge Frame, Add	360.10	
08 12 13 13-0066	EA	8' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,351.73	173.32
		For Auxiliary Frame Reinforcement For Hinges, Add	150.76	
		For Welded Frames, Add	284.75	
		For Galvanized Frames, Add	120.61	
		For Type 304 Stainless Steel Frame, Add	1,826.48	
		For Type 316 Stainless Steel Frame, Add	2,128.00	
		For Baked Enamel Finish, Add	353.52	
		For 18 Gauge Frame, Deduct	-100.51	
		For 14 Gauge Frame, Add	251.27	
		For 12 Gauge Frame, Add	381.93	

MINOR		TOTAL DIRECT		DEMOLITION
CSI UOM DESCRIPTION		UNIT COST		UNIT COST
08 12 13 13-0067	6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13 13)			
	Note: For non-rated or fire rated frame assemblies			
08 12 13 13-0068	6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13 13-0067)			
08 12 13 13-0069	EA 2' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,051.80		96.29
	For Auxiliary Frame Reinforcement For Hinges, Add	128.88		
	For Welded Frames, Add	284.75		
	For Galvanized Frames, Add	103.11		
	For Type 304 Stainless Steel Frame, Add	1,556.23		
	For Type 316 Stainless Steel Frame, Add	1,813.99		
	For Baked Enamel Finish, Add	286.65		
	For 18 Gauge Frame, Deduct	-85.92		
	For 14 Gauge Frame, Add	214.81		
	For 12 Gauge Frame, Add	326.50		
08 12 13 13-0070	EA 2'-4" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,234.72		105.92
	For Auxiliary Frame Reinforcement For Hinges, Add	153.43		
	For Welded Frames, Add	284.75		
	For Galvanized Frames, Add	122.75		
	For Type 304 Stainless Steel Frame, Add	1,851.78		
	For Type 316 Stainless Steel Frame, Add	2,158.64		
	For Baked Enamel Finish, Add	338.64		
	For 18 Gauge Frame, Deduct	-102.29		
	For 14 Gauge Frame, Add	255.72		
	For 12 Gauge Frame, Add	388.69		
08 12 13 13-0071	EA 2'-6" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,263.93		112.34
	For Auxiliary Frame Reinforcement For Hinges, Add	155.89		
	For Welded Frames, Add	284.75		
	For Galvanized Frames, Add	124.71		
	For Type 304 Stainless Steel Frame, Add	1,881.88		
	For Type 316 Stainless Steel Frame, Add	2,193.66		
	For Baked Enamel Finish, Add	345.48		
	For 18 Gauge Frame, Deduct	-103.93		
	For 14 Gauge Frame, Add	259.81		
	For 12 Gauge Frame, Add	394.92		
08 12 13 13-0072	EA 2'-8" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,283.19		121.97
	For Auxiliary Frame Reinforcement For Hinges, Add	155.89		
	For Welded Frames, Add	284.75		
	For Galvanized Frames, Add	124.71		
	For Type 304 Stainless Steel Frame, Add	1,882.85		
	For Type 316 Stainless Steel Frame, Add	2,194.62		
	For Baked Enamel Finish, Add	348.37		
	For 18 Gauge Frame, Deduct	-103.93		
	For 14 Gauge Frame, Add	259.81		
	For 12 Gauge Frame, Add	394.92		
08 12 13 13-0073	EA 2'-10" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,305.97		125.18
	For Auxiliary Frame Reinforcement For Hinges, Add	158.34		
	For Welded Frames, Add	284.75		
	For Galvanized Frames, Add	126.67		
	For Type 304 Stainless Steel Frame, Add	1,912.62		
	For Type 316 Stainless Steel Frame, Add	2,229.30		
	For Baked Enamel Finish, Add	354.24		
	For 18 Gauge Frame, Deduct	-105.56		
	For 14 Gauge Frame, Add	263.90		
	For 12 Gauge Frame, Add	401.13		
08 12 13 13-0074	EA 3' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,328.76		128.39
	For Auxiliary Frame Reinforcement For Hinges, Add	160.80		
	For Welded Frames, Add	284.75		
	For Galvanized Frames, Add	128.64		
	For Type 304 Stainless Steel Frame, Add	1,942.40		
	For Type 316 Stainless Steel Frame, Add	2,264.00		
	For Baked Enamel Finish, Add	360.11		
	For 18 Gauge Frame, Deduct	-107.20		
	For 14 Gauge Frame, Add	268.00		
	For 12 Gauge Frame, Add	407.35		
08 12 13 13-0075	EA 3'-4" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,415.24		134.81
	For Auxiliary Frame Reinforcement For Hinges, Add	171.84		
	For Welded Frames, Add	284.75		
	For Galvanized Frames, Add	137.48		
	For Type 304 Stainless Steel Frame, Add	2,075.61		
	For Type 316 Stainless Steel Frame, Add	2,419.30		
	For Baked Enamel Finish, Add	384.13		
	For 18 Gauge Frame, Deduct	-114.56		
	For 14 Gauge Frame, Add	286.41		
	For 12 Gauge Frame, Add	435.34		
08 12 13 13-0076	EA 3'-6" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,428.08		141.23
	For Auxiliary Frame Reinforcement For Hinges, Add	171.84		
	For Welded Frames, Add	284.75		
	For Galvanized Frames, Add	137.48		
	For Type 304 Stainless Steel Frame, Add	2,076.26		
	For Type 316 Stainless Steel Frame, Add	2,419.95		
	For Baked Enamel Finish, Add	386.06		
	For 18 Gauge Frame, Deduct	-114.56		
	For 14 Gauge Frame, Add	286.41		
	For 12 Gauge Frame, Add	435.34		

08 Openings**08 10 Doors and Frames****08 12 Metal Frames**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 12 13 13-0077	EA	4' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,481.83	147.64
		For Auxiliary Frame Reinforcement For Hinges, Add	177.98	
		For Welded Frames, Add	284.75	
		For Galvanized Frames, Add	142.38	
		For Type 304 Stainless Steel Frame, Add	2,150.54	
		For Type 316 Stainless Steel Frame, Add	2,506.50	
		For Baked Enamel Finish, Add	400.26	
		For 18 Gauge Frame, Deduct	-118.65	
		For 14 Gauge Frame, Add	296.64	
		For 12 Gauge Frame, Add	450.89	
08 12 13 13-0078	EA	5' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,535.59	154.06
		For Auxiliary Frame Reinforcement For Hinges, Add	184.12	
		For Welded Frames, Add	284.75	
		For Galvanized Frames, Add	147.30	
		For Type 304 Stainless Steel Frame, Add	2,224.83	
		For Type 316 Stainless Steel Frame, Add	2,593.07	
		For Baked Enamel Finish, Add	414.46	
		For 18 Gauge Frame, Deduct	-122.75	
		For 14 Gauge Frame, Add	306.87	
		For 12 Gauge Frame, Add	466.43	
08 12 13 13-0079	EA	5'-4" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,548.43	160.48
		For Auxiliary Frame Reinforcement For Hinges, Add	184.12	
		For Welded Frames, Add	284.75	
		For Galvanized Frames, Add	147.30	
		For Type 304 Stainless Steel Frame, Add	2,225.48	
		For Type 316 Stainless Steel Frame, Add	2,593.71	
		For Baked Enamel Finish, Add	416.38	
		For 18 Gauge Frame, Deduct	-122.75	
		For 14 Gauge Frame, Add	306.87	
		For 12 Gauge Frame, Add	466.43	
08 12 13 13-0080	EA	5'-8" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,575.30	163.69
		For Auxiliary Frame Reinforcement For Hinges, Add	187.19	
		For Welded Frames, Add	284.75	
		For Galvanized Frames, Add	149.75	
		For Type 304 Stainless Steel Frame, Add	2,262.61	
		For Type 316 Stainless Steel Frame, Add	2,636.98	
		For Baked Enamel Finish, Add	423.48	
		For 18 Gauge Frame, Deduct	-124.79	
		For 14 Gauge Frame, Add	311.98	
		For 12 Gauge Frame, Add	474.21	
08 12 13 13-0081	EA	6' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,602.18	166.90
		For Auxiliary Frame Reinforcement For Hinges, Add	190.26	
		For Welded Frames, Add	284.75	
		For Galvanized Frames, Add	152.20	
		For Type 304 Stainless Steel Frame, Add	2,299.76	
		For Type 316 Stainless Steel Frame, Add	2,680.27	
		For Baked Enamel Finish, Add	430.58	
		For 18 Gauge Frame, Deduct	-126.84	
		For 14 Gauge Frame, Add	317.09	
		For 12 Gauge Frame, Add	481.98	
08 12 13 13-0082	EA	7' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,690.42	170.11
		For Auxiliary Frame Reinforcement For Hinges, Add	202.53	
		For Welded Frames, Add	284.75	
		For Galvanized Frames, Add	162.02	
		For Type 304 Stainless Steel Frame, Add	2,447.35	
		For Type 316 Stainless Steel Frame, Add	2,852.41	
		For Baked Enamel Finish, Add	456.09	
		For 18 Gauge Frame, Deduct	-135.02	
		For 14 Gauge Frame, Add	337.55	
		For 12 Gauge Frame, Add	513.07	
08 12 13 13-0083	EA	8' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,778.68	173.32
		For Auxiliary Frame Reinforcement For Hinges, Add	214.80	
		For Welded Frames, Add	284.75	
		For Galvanized Frames, Add	171.84	
		For Type 304 Stainless Steel Frame, Add	2,594.99	
		For Type 316 Stainless Steel Frame, Add	3,024.60	
		For Baked Enamel Finish, Add	481.61	
		For 18 Gauge Frame, Deduct	-143.20	
		For 14 Gauge Frame, Add	358.01	
		For 12 Gauge Frame, Add	544.17	

08 12 13 13-0084 >7'-2" Through 9'-0" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames

08 12 13 13-0085	EA	2' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,147.27	96.29
		For Auxiliary Frame Reinforcement For Hinges, Add	143.20	
		For Welded Frames, Add	284.75	
		For Galvanized Frames, Add	114.56	
		For Type 304 Stainless Steel Frame, Add	1,728.07	
		For Type 316 Stainless Steel Frame, Add	2,014.48	
		For Baked Enamel Finish, Add	315.29	
		For 18 Gauge Frame, Deduct	-95.47	
		For 14 Gauge Frame, Add	238.67	
		For 12 Gauge Frame, Add	362.78	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0086	EA	2'-4" x >7'-2"	Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,348.37	105.92
			For Auxiliary Frame Reinforcement For Hinges, Add	170.48	
			For Welded Frames, Add	284.75	
			For Galvanized Frames, Add	136.38	
			For Type 304 Stainless Steel Frame, Add	2,056.35	
			For Type 316 Stainless Steel Frame, Add	2,397.31	
			For Baked Enamel Finish, Add	372.74	
			For 18 Gauge Frame, Deduct	-113.65	
			For 14 Gauge Frame, Add	284.13	
			For 12 Gauge Frame, Add	431.88	
08 12 13 13-0087	EA	2'-6" x >7'-2"	Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,379.40	112.34
			For Auxiliary Frame Reinforcement For Hinges, Add	173.21	
			For Welded Frames, Add	284.75	
			For Galvanized Frames, Add	138.57	
			For Type 304 Stainless Steel Frame, Add	2,089.73	
			For Type 316 Stainless Steel Frame, Add	2,436.15	
			For Baked Enamel Finish, Add	380.12	
			For 18 Gauge Frame, Deduct	-115.47	
			For 14 Gauge Frame, Add	288.68	
			For 12 Gauge Frame, Add	438.79	
08 12 13 13-0088	EA	2'-8" x >7'-2"	Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,398.66	121.97
			For Auxiliary Frame Reinforcement For Hinges, Add	173.21	
			For Welded Frames, Add	284.75	
			For Galvanized Frames, Add	138.57	
			For Type 304 Stainless Steel Frame, Add	2,090.69	
			For Type 316 Stainless Steel Frame, Add	2,437.11	
			For Baked Enamel Finish, Add	383.01	
			For 18 Gauge Frame, Deduct	-115.47	
			For 14 Gauge Frame, Add	288.68	
			For 12 Gauge Frame, Add	438.79	
08 12 13 13-0089	EA	2'-10" x >7'-2"	Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,423.26	125.18
			For Auxiliary Frame Reinforcement For Hinges, Add	175.94	
			For Welded Frames, Add	284.75	
			For Galvanized Frames, Add	140.75	
			For Type 304 Stainless Steel Frame, Add	2,123.74	
			For Type 316 Stainless Steel Frame, Add	2,475.61	
			For Baked Enamel Finish, Add	389.42	
			For 18 Gauge Frame, Deduct	-117.29	
			For 14 Gauge Frame, Add	293.23	
			For 12 Gauge Frame, Add	445.70	
08 12 13 13-0090	EA	3' x >7'-2"	Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,447.87	128.39
			For Auxiliary Frame Reinforcement For Hinges, Add	178.66	
			For Welded Frames, Add	284.75	
			For Galvanized Frames, Add	142.93	
			For Type 304 Stainless Steel Frame, Add	2,156.80	
			For Type 316 Stainless Steel Frame, Add	2,514.13	
			For Baked Enamel Finish, Add	395.84	
			For 18 Gauge Frame, Deduct	-119.11	
			For 14 Gauge Frame, Add	297.77	
			For 12 Gauge Frame, Add	452.61	
08 12 13 13-0091	EA	3'-4" x >7'-2"	Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,542.53	134.81
			For Auxiliary Frame Reinforcement For Hinges, Add	190.94	
			For Welded Frames, Add	284.75	
			For Galvanized Frames, Add	152.75	
			For Type 304 Stainless Steel Frame, Add	2,304.74	
			For Type 316 Stainless Steel Frame, Add	2,686.61	
			For Baked Enamel Finish, Add	422.32	
			For 18 Gauge Frame, Deduct	-127.29	
			For 14 Gauge Frame, Add	318.23	
			For 12 Gauge Frame, Add	483.71	
08 12 13 13-0092	EA	3'-6" x >7'-2"	Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,555.37	141.23
			For Auxiliary Frame Reinforcement For Hinges, Add	190.94	
			For Welded Frames, Add	284.75	
			For Galvanized Frames, Add	152.75	
			For Type 304 Stainless Steel Frame, Add	2,305.38	
			For Type 316 Stainless Steel Frame, Add	2,687.25	
			For Baked Enamel Finish, Add	424.24	
			For 18 Gauge Frame, Deduct	-127.29	
			For 14 Gauge Frame, Add	318.23	
			For 12 Gauge Frame, Add	483.71	
08 12 13 13-0093	EA	4' x >7'-2"	Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,613.67	147.64
			For Auxiliary Frame Reinforcement For Hinges, Add	197.76	
			For Welded Frames, Add	284.75	
			For Galvanized Frames, Add	158.21	
			For Type 304 Stainless Steel Frame, Add	2,387.85	
			For Type 316 Stainless Steel Frame, Add	2,783.36	
			For Baked Enamel Finish, Add	439.81	
			For 18 Gauge Frame, Deduct	-131.84	
			For 14 Gauge Frame, Add	329.60	
			For 12 Gauge Frame, Add	500.98	
08 12 13 13-0094	EA	5' x >7'-2"	Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,671.97	154.06
			For Auxiliary Frame Reinforcement For Hinges, Add	204.58	
			For Welded Frames, Add	284.75	
			For Galvanized Frames, Add	163.66	
			For Type 304 Stainless Steel Frame, Add	2,470.32	
			For Type 316 Stainless Steel Frame, Add	2,879.47	
			For Baked Enamel Finish, Add	455.37	
			For 18 Gauge Frame, Deduct	-136.38	
			For 14 Gauge Frame, Add	340.96	
			For 12 Gauge Frame, Add	518.26	

08 Openings**08 10 Doors and Frames****08 12 Metal Frames**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 12 13 13-0095	EA	5'-4" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,684.81	160.48
		For Auxiliary Frame Reinforcement For Hinges, Add	204.58	
		For Welded Frames, Add	284.75	
		For Galvanized Frames, Add	163.66	
		For Type 304 Stainless Steel Frame, Add	2,470.96	
		For Type 316 Stainless Steel Frame, Add	2,880.11	
		For Baked Enamel Finish, Add	457.30	
		For 18 Gauge Frame, Deduct	-136.38	
		For 14 Gauge Frame, Add	340.96	
		For 12 Gauge Frame, Add	518.26	
08 12 13 13-0096	EA	5'-8" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,713.96	163.69
		For Auxiliary Frame Reinforcement For Hinges, Add	207.99	
		For Welded Frames, Add	284.75	
		For Galvanized Frames, Add	166.39	
		For Type 304 Stainless Steel Frame, Add	2,512.20	
		For Type 316 Stainless Steel Frame, Add	2,928.17	
		For Baked Enamel Finish, Add	465.08	
		For 18 Gauge Frame, Deduct	-138.66	
		For 14 Gauge Frame, Add	346.64	
		For 12 Gauge Frame, Add	526.90	
08 12 13 13-0097	EA	6' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,743.11	166.90
		For Auxiliary Frame Reinforcement For Hinges, Add	211.40	
		For Welded Frames, Add	284.75	
		For Galvanized Frames, Add	169.12	
		For Type 304 Stainless Steel Frame, Add	2,553.43	
		For Type 316 Stainless Steel Frame, Add	2,976.22	
		For Baked Enamel Finish, Add	472.86	
		For 18 Gauge Frame, Deduct	-140.93	
		For 14 Gauge Frame, Add	352.33	
		For 12 Gauge Frame, Add	535.53	
08 12 13 13-0098	EA	7' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,840.44	170.11
		For Auxiliary Frame Reinforcement For Hinges, Add	225.03	
		For Welded Frames, Add	284.75	
		For Galvanized Frames, Add	180.03	
		For Type 304 Stainless Steel Frame, Add	2,717.39	
		For Type 316 Stainless Steel Frame, Add	3,167.45	
		For Baked Enamel Finish, Add	501.10	
		For 18 Gauge Frame, Deduct	-150.02	
		For 14 Gauge Frame, Add	375.05	
		For 12 Gauge Frame, Add	570.08	
08 12 13 13-0099	EA	8' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,937.80	173.32
		For Auxiliary Frame Reinforcement For Hinges, Add	238.67	
		For Welded Frames, Add	284.75	
		For Galvanized Frames, Add	190.94	
		For Type 304 Stainless Steel Frame, Add	2,881.40	
		For Type 316 Stainless Steel Frame, Add	3,358.75	
		For Baked Enamel Finish, Add	529.34	
		For 18 Gauge Frame, Deduct	-159.12	
		For 14 Gauge Frame, Add	397.79	
		For 12 Gauge Frame, Add	604.64	

08 12 13 13-0100 6'-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames

(08 12 13 13)

Note: For non-rated or fire rated frame assemblies

08 12 13 13-0101 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames

(08 12 13 13-0100)

08 12 13 13-0102	EA	2' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,116.24	96.29
		For Auxiliary Frame Reinforcement For Hinges, Add	138.55	
		For Welded Frames, Add	284.75	
		For Galvanized Frames, Add	110.84	
		For Type 304 Stainless Steel Frame, Add	1,672.22	
		For Type 316 Stainless Steel Frame, Add	1,949.32	
		For Baked Enamel Finish, Add	305.99	
		For 18 Gauge Frame, Deduct	-92.37	
		For 14 Gauge Frame, Add	230.92	
		For 12 Gauge Frame, Add	350.99	
08 12 13 13-0103	EA	2'-4" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,311.44	105.92
		For Auxiliary Frame Reinforcement For Hinges, Add	164.94	
		For Welded Frames, Add	284.75	
		For Galvanized Frames, Add	131.95	
		For Type 304 Stainless Steel Frame, Add	1,989.87	
		For Type 316 Stainless Steel Frame, Add	2,319.75	
		For Baked Enamel Finish, Add	361.66	
		For 18 Gauge Frame, Deduct	-109.96	
		For 14 Gauge Frame, Add	274.90	
		For 12 Gauge Frame, Add	417.85	
08 12 13 13-0104	EA	2'-6" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,341.87	112.34
		For Auxiliary Frame Reinforcement For Hinges, Add	167.58	
		For Welded Frames, Add	284.75	
		For Galvanized Frames, Add	134.06	
		For Type 304 Stainless Steel Frame, Add	2,022.18	
		For Type 316 Stainless Steel Frame, Add	2,357.33	
		For Baked Enamel Finish, Add	368.86	
		For 18 Gauge Frame, Deduct	-111.72	
		For 14 Gauge Frame, Add	279.30	
		For 12 Gauge Frame, Add	424.53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0105	EA		2'-8" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,361.13	121.97
			For Auxiliary Frame Reinforcement For Hinges, Add	167.58	
			For Welded Frames, Add	284.75	
			For Galvanized Frames, Add	134.06	
			For Type 304 Stainless Steel Frame, Add	2,023.14	
			For Type 316 Stainless Steel Frame, Add	2,358.30	
			For Baked Enamel Finish, Add	371.75	
			For 18 Gauge Frame, Deduct	-111.72	
			For 14 Gauge Frame, Add	279.30	
			For 12 Gauge Frame, Add	424.53	
08 12 13 13-0106	EA		2'-10" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,385.14	125.18
			For Auxiliary Frame Reinforcement For Hinges, Add	170.22	
			For Welded Frames, Add	284.75	
			For Galvanized Frames, Add	136.17	
			For Type 304 Stainless Steel Frame, Add	2,055.12	
			For Type 316 Stainless Steel Frame, Add	2,395.56	
			For Baked Enamel Finish, Add	377.99	
			For 18 Gauge Frame, Deduct	-113.48	
			For 14 Gauge Frame, Add	283.70	
			For 12 Gauge Frame, Add	431.22	
08 12 13 13-0107	EA		3' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,409.16	128.39
			For Auxiliary Frame Reinforcement For Hinges, Add	172.86	
			For Welded Frames, Add	284.75	
			For Galvanized Frames, Add	138.29	
			For Type 304 Stainless Steel Frame, Add	2,087.12	
			For Type 316 Stainless Steel Frame, Add	2,432.84	
			For Baked Enamel Finish, Add	384.23	
			For 18 Gauge Frame, Deduct	-115.24	
			For 14 Gauge Frame, Add	288.10	
			For 12 Gauge Frame, Add	437.90	
08 12 13 13-0108	EA		3'-4" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,501.16	134.81
			For Auxiliary Frame Reinforcement For Hinges, Add	184.73	
			For Welded Frames, Add	284.75	
			For Galvanized Frames, Add	147.79	
			For Type 304 Stainless Steel Frame, Add	2,230.27	
			For Type 316 Stainless Steel Frame, Add	2,599.74	
			For Baked Enamel Finish, Add	409.91	
			For 18 Gauge Frame, Deduct	-123.16	
			For 14 Gauge Frame, Add	307.89	
			For 12 Gauge Frame, Add	467.99	
08 12 13 13-0109	EA		3'-6" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,514.00	141.23
			For Auxiliary Frame Reinforcement For Hinges, Add	184.73	
			For Welded Frames, Add	284.75	
			For Galvanized Frames, Add	147.79	
			For Type 304 Stainless Steel Frame, Add	2,230.91	
			For Type 316 Stainless Steel Frame, Add	2,600.38	
			For Baked Enamel Finish, Add	411.83	
			For 18 Gauge Frame, Deduct	-123.16	
			For 14 Gauge Frame, Add	307.89	
			For 12 Gauge Frame, Add	467.99	
08 12 13 13-0110	EA		4' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,570.82	147.64
			For Auxiliary Frame Reinforcement For Hinges, Add	191.33	
			For Welded Frames, Add	284.75	
			For Galvanized Frames, Add	153.06	
			For Type 304 Stainless Steel Frame, Add	2,310.72	
			For Type 316 Stainless Steel Frame, Add	2,693.38	
			For Baked Enamel Finish, Add	426.95	
			For 18 Gauge Frame, Deduct	-127.55	
			For 14 Gauge Frame, Add	318.88	
			For 12 Gauge Frame, Add	484.70	
08 12 13 13-0111	EA		5' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,627.65	154.06
			For Auxiliary Frame Reinforcement For Hinges, Add	197.93	
			For Welded Frames, Add	284.75	
			For Galvanized Frames, Add	158.34	
			For Type 304 Stainless Steel Frame, Add	2,390.54	
			For Type 316 Stainless Steel Frame, Add	2,786.40	
			For Baked Enamel Finish, Add	442.08	
			For 18 Gauge Frame, Deduct	-131.95	
			For 14 Gauge Frame, Add	329.88	
			For 12 Gauge Frame, Add	501.42	
08 12 13 13-0112	EA		5'-4" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,640.49	160.48
			For Auxiliary Frame Reinforcement For Hinges, Add	197.93	
			For Welded Frames, Add	284.75	
			For Galvanized Frames, Add	158.34	
			For Type 304 Stainless Steel Frame, Add	2,391.18	
			For Type 316 Stainless Steel Frame, Add	2,787.04	
			For Baked Enamel Finish, Add	444.00	
			For 18 Gauge Frame, Deduct	-131.95	
			For 14 Gauge Frame, Add	329.88	
			For 12 Gauge Frame, Add	501.42	
08 12 13 13-0113	EA		5'-8" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,668.90	163.69
			For Auxiliary Frame Reinforcement For Hinges, Add	201.23	
			For Welded Frames, Add	284.75	
			For Galvanized Frames, Add	160.98	
			For Type 304 Stainless Steel Frame, Add	2,431.09	
			For Type 316 Stainless Steel Frame, Add	2,833.54	
			For Baked Enamel Finish, Add	451.56	
			For 18 Gauge Frame, Deduct	-134.15	
			For 14 Gauge Frame, Add	335.38	
			For 12 Gauge Frame, Add	509.77	

08 Openings**08 10 Doors and Frames****08 12 Metal Frames**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

08 12 13 13-0114	EA	6' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,697.31	166.90
		For Auxiliary Frame Reinforcement For Hinges, Add	204.53	
		For Welded Frames, Add	284.75	
		For Galvanized Frames, Add	163.62	
		For Type 304 Stainless Steel Frame, Add	2,470.99	
		For Type 316 Stainless Steel Frame, Add	2,880.04	
		For Baked Enamel Finish, Add	459.12	
		For 18 Gauge Frame, Deduct	-136.35	
		For 14 Gauge Frame, Add	340.88	
		For 12 Gauge Frame, Add	518.13	
08 12 13 13-0115	EA	7' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,791.69	170.11
		For Auxiliary Frame Reinforcement For Hinges, Add	217.72	
		For Welded Frames, Add	284.75	
		For Galvanized Frames, Add	174.18	
		For Type 304 Stainless Steel Frame, Add	2,629.64	
		For Type 316 Stainless Steel Frame, Add	3,065.08	
		For Baked Enamel Finish, Add	486.47	
		For 18 Gauge Frame, Deduct	-145.15	
		For 14 Gauge Frame, Add	362.87	
		For 12 Gauge Frame, Add	551.55	
08 12 13 13-0116	EA	8' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,886.09	173.32
		For Auxiliary Frame Reinforcement For Hinges, Add	230.92	
		For Welded Frames, Add	284.75	
		For Galvanized Frames, Add	184.73	
		For Type 304 Stainless Steel Frame, Add	2,788.32	
		For Type 316 Stainless Steel Frame, Add	3,250.16	
		For Baked Enamel Finish, Add	513.83	
		For 18 Gauge Frame, Deduct	-153.94	
		For 14 Gauge Frame, Add	384.86	
		For 12 Gauge Frame, Add	584.99	
08 12 13 13-0117		>7'-2" Through 9'-0" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13 13-0100)		
08 12 13 13-0118	EA	2' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,218.87	96.29
		For Auxiliary Frame Reinforcement For Hinges, Add	153.94	
		For Welded Frames, Add	284.75	
		For Galvanized Frames, Add	123.15	
		For Type 304 Stainless Steel Frame, Add	1,856.95	
		For Type 316 Stainless Steel Frame, Add	2,164.84	
		For Baked Enamel Finish, Add	336.77	
		For 18 Gauge Frame, Deduct	-102.63	
		For 14 Gauge Frame, Add	256.57	
		For 12 Gauge Frame, Add	389.99	
08 12 13 13-0119	EA	2'-4" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,433.61	105.92
		For Auxiliary Frame Reinforcement For Hinges, Add	183.27	
		For Welded Frames, Add	284.75	
		For Galvanized Frames, Add	146.61	
		For Type 304 Stainless Steel Frame, Add	2,209.78	
		For Type 316 Stainless Steel Frame, Add	2,576.31	
		For Baked Enamel Finish, Add	398.31	
		For 18 Gauge Frame, Deduct	-122.18	
		For 14 Gauge Frame, Add	305.44	
		For 12 Gauge Frame, Add	464.27	
08 12 13 13-0120	EA	2'-6" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,466.00	112.34
		For Auxiliary Frame Reinforcement For Hinges, Add	186.20	
		For Welded Frames, Add	284.75	
		For Galvanized Frames, Add	148.96	
		For Type 304 Stainless Steel Frame, Add	2,245.61	
		For Type 316 Stainless Steel Frame, Add	2,618.01	
		For Baked Enamel Finish, Add	406.10	
		For 18 Gauge Frame, Deduct	-124.13	
		For 14 Gauge Frame, Add	310.33	
		For 12 Gauge Frame, Add	471.70	
08 12 13 13-0121	EA	2'-8" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,485.26	121.97
		For Auxiliary Frame Reinforcement For Hinges, Add	186.20	
		For Welded Frames, Add	284.75	
		For Galvanized Frames, Add	148.96	
		For Type 304 Stainless Steel Frame, Add	2,246.57	
		For Type 316 Stainless Steel Frame, Add	2,618.97	
		For Baked Enamel Finish, Add	408.99	
		For 18 Gauge Frame, Deduct	-124.13	
		For 14 Gauge Frame, Add	310.33	
		For 12 Gauge Frame, Add	471.70	
08 12 13 13-0122	EA	2'-10" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,511.23	125.18
		For Auxiliary Frame Reinforcement For Hinges, Add	189.13	
		For Welded Frames, Add	284.75	
		For Galvanized Frames, Add	151.30	
		For Type 304 Stainless Steel Frame, Add	2,282.08	
		For Type 316 Stainless Steel Frame, Add	2,660.35	
		For Baked Enamel Finish, Add	415.82	
		For 18 Gauge Frame, Deduct	-126.09	
		For 14 Gauge Frame, Add	315.22	
		For 12 Gauge Frame, Add	479.13	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0123	EA	3' x >7'-2"	Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,537.20	128.39
			For Auxiliary Frame Reinforcement For Hinges, Add	192.06	
			For Welded Frames, Add	284.75	
			For Galvanized Frames, Add	153.65	
			For Type 304 Stainless Steel Frame, Add	2,317.60	
			For Type 316 Stainless Steel Frame, Add	2,701.72	
			For Baked Enamel Finish, Add	422.64	
			For 18 Gauge Frame, Deduct	-128.04	
			For 14 Gauge Frame, Add	320.11	
			For 12 Gauge Frame, Add	486.56	
08 12 13 13-0124	EA	3'-4" x >7'-2"	Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,638.00	134.81
			For Auxiliary Frame Reinforcement For Hinges, Add	205.26	
			For Welded Frames, Add	284.75	
			For Galvanized Frames, Add	164.21	
			For Type 304 Stainless Steel Frame, Add	2,476.58	
			For Type 316 Stainless Steel Frame, Add	2,887.10	
			For Baked Enamel Finish, Add	450.96	
			For 18 Gauge Frame, Deduct	-136.84	
			For 14 Gauge Frame, Add	342.10	
			For 12 Gauge Frame, Add	519.99	
08 12 13 13-0125	EA	3'-6" x >7'-2"	Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,650.84	141.23
			For Auxiliary Frame Reinforcement For Hinges, Add	205.26	
			For Welded Frames, Add	284.75	
			For Galvanized Frames, Add	164.21	
			For Type 304 Stainless Steel Frame, Add	2,477.22	
			For Type 316 Stainless Steel Frame, Add	2,887.74	
			For Baked Enamel Finish, Add	452.88	
			For 18 Gauge Frame, Deduct	-136.84	
			For 14 Gauge Frame, Add	342.10	
			For 12 Gauge Frame, Add	519.99	
08 12 13 13-0126	EA	4' x >7'-2"	Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,712.55	147.64
			For Auxiliary Frame Reinforcement For Hinges, Add	212.59	
			For Welded Frames, Add	284.75	
			For Galvanized Frames, Add	170.07	
			For Type 304 Stainless Steel Frame, Add	2,565.83	
			For Type 316 Stainless Steel Frame, Add	2,991.01	
			For Baked Enamel Finish, Add	469.47	
			For 18 Gauge Frame, Deduct	-141.73	
			For 14 Gauge Frame, Add	354.32	
			For 12 Gauge Frame, Add	538.56	
08 12 13 13-0127	EA	5' x >7'-2"	Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,774.26	154.06
			For Auxiliary Frame Reinforcement For Hinges, Add	219.92	
			For Welded Frames, Add	284.75	
			For Galvanized Frames, Add	175.94	
			For Type 304 Stainless Steel Frame, Add	2,654.44	
			For Type 316 Stainless Steel Frame, Add	3,094.28	
			For Baked Enamel Finish, Add	486.06	
			For 18 Gauge Frame, Deduct	-146.61	
			For 14 Gauge Frame, Add	366.53	
			For 12 Gauge Frame, Add	557.13	
08 12 13 13-0128	EA	5'-4" x >7'-2"	Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,787.10	160.48
			For Auxiliary Frame Reinforcement For Hinges, Add	219.92	
			For Welded Frames, Add	284.75	
			For Galvanized Frames, Add	175.94	
			For Type 304 Stainless Steel Frame, Add	2,655.08	
			For Type 316 Stainless Steel Frame, Add	3,094.92	
			For Baked Enamel Finish, Add	487.98	
			For 18 Gauge Frame, Deduct	-146.61	
			For 14 Gauge Frame, Add	366.53	
			For 12 Gauge Frame, Add	557.13	
08 12 13 13-0129	EA	5'-8" x >7'-2"	Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,817.95	163.69
			For Auxiliary Frame Reinforcement For Hinges, Add	223.58	
			For Welded Frames, Add	284.75	
			For Galvanized Frames, Add	178.87	
			For Type 304 Stainless Steel Frame, Add	2,699.38	
			For Type 316 Stainless Steel Frame, Add	3,146.55	
			For Baked Enamel Finish, Add	496.28	
			For 18 Gauge Frame, Deduct	-149.06	
			For 14 Gauge Frame, Add	372.64	
			For 12 Gauge Frame, Add	566.41	
08 12 13 13-0130	EA	6' x >7'-2"	Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,848.81	166.90
			For Auxiliary Frame Reinforcement For Hinges, Add	227.25	
			For Welded Frames, Add	284.75	
			For Galvanized Frames, Add	181.80	
			For Type 304 Stainless Steel Frame, Add	2,743.69	
			For Type 316 Stainless Steel Frame, Add	3,198.19	
			For Baked Enamel Finish, Add	504.57	
			For 18 Gauge Frame, Deduct	-151.50	
			For 14 Gauge Frame, Add	378.75	
			For 12 Gauge Frame, Add	575.70	
08 12 13 13-0131	EA	7' x >7'-2"	Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,952.95	170.11
			For Auxiliary Frame Reinforcement For Hinges, Add	241.91	
			For Welded Frames, Add	284.75	
			For Galvanized Frames, Add	193.53	
			For Type 304 Stainless Steel Frame, Add	2,919.91	
			For Type 316 Stainless Steel Frame, Add	3,403.72	
			For Baked Enamel Finish, Add	534.85	
			For 18 Gauge Frame, Deduct	-161.27	
			For 14 Gauge Frame, Add	403.18	
			For 12 Gauge Frame, Add	612.83	

08 Openings**08 10 Doors and Frames****08 12 Metal Frames**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 12 13 13-0132	EA	8' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,057.13	173.32
		For Auxiliary Frame Reinforcement For Hinges, Add	256.57	
		For Welded Frames, Add	284.75	
		For Galvanized Frames, Add	205.26	
		For Type 304 Stainless Steel Frame, Add	3,096.20	
		For Type 316 Stainless Steel Frame, Add	3,609.34	
		For Baked Enamel Finish, Add	565.14	
		For 18 Gauge Frame, Deduct	-171.05	
		For 14 Gauge Frame, Add	427.62	
		For 12 Gauge Frame, Add	649.98	

08 12 13 13-0133 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames

(08 12 13 13)

Note: For non-rated or fire rated frame assemblies

08 12 13 13-0134 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames

(08 12 13 13-0133)

08 12 13 13-0135	EA	2' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,159.20	96.29
		For Auxiliary Frame Reinforcement For Hinges, Add	144.99	
		For Welded Frames, Add	284.75	
		For Galvanized Frames, Add	115.99	
		For Type 304 Stainless Steel Frame, Add	1,749.55	
		For Type 316 Stainless Steel Frame, Add	2,039.53	
		For Baked Enamel Finish, Add	318.87	
		For 18 Gauge Frame, Deduct	-96.66	
		For 14 Gauge Frame, Add	241.66	
		For 12 Gauge Frame, Add	367.32	
08 12 13 13-0136	EA	2'-4" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,362.58	105.92
		For Auxiliary Frame Reinforcement For Hinges, Add	172.61	
		For Welded Frames, Add	284.75	
		For Galvanized Frames, Add	138.09	
		For Type 304 Stainless Steel Frame, Add	2,081.92	
		For Type 316 Stainless Steel Frame, Add	2,427.15	
		For Baked Enamel Finish, Add	377.00	
		For 18 Gauge Frame, Deduct	-115.07	
		For 14 Gauge Frame, Add	287.69	
		For 12 Gauge Frame, Add	437.28	
08 12 13 13-0137	EA	2'-6" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,393.83	112.34
		For Auxiliary Frame Reinforcement For Hinges, Add	175.37	
		For Welded Frames, Add	284.75	
		For Galvanized Frames, Add	140.30	
		For Type 304 Stainless Steel Frame, Add	2,115.70	
		For Type 316 Stainless Steel Frame, Add	2,466.45	
		For Baked Enamel Finish, Add	384.45	
		For 18 Gauge Frame, Deduct	-116.92	
		For 14 Gauge Frame, Add	292.29	
		For 12 Gauge Frame, Add	444.28	
08 12 13 13-0138	EA	2'-8" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,413.09	121.97
		For Auxiliary Frame Reinforcement For Hinges, Add	175.37	
		For Welded Frames, Add	284.75	
		For Galvanized Frames, Add	140.30	
		For Type 304 Stainless Steel Frame, Add	2,116.67	
		For Type 316 Stainless Steel Frame, Add	2,467.41	
		For Baked Enamel Finish, Add	387.34	
		For 18 Gauge Frame, Deduct	-116.92	
		For 14 Gauge Frame, Add	292.29	
		For 12 Gauge Frame, Add	444.28	
08 12 13 13-0139	EA	2'-10" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,437.92	125.18
		For Auxiliary Frame Reinforcement For Hinges, Add	178.13	
		For Welded Frames, Add	284.75	
		For Galvanized Frames, Add	142.51	
		For Type 304 Stainless Steel Frame, Add	2,150.13	
		For Type 316 Stainless Steel Frame, Add	2,506.39	
		For Baked Enamel Finish, Add	393.82	
		For 18 Gauge Frame, Deduct	-118.76	
		For 14 Gauge Frame, Add	296.89	
		For 12 Gauge Frame, Add	451.27	
08 12 13 13-0140	EA	3' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,462.76	128.39
		For Auxiliary Frame Reinforcement For Hinges, Add	180.90	
		For Welded Frames, Add	284.75	
		For Galvanized Frames, Add	144.72	
		For Type 304 Stainless Steel Frame, Add	2,183.60	
		For Type 316 Stainless Steel Frame, Add	2,545.40	
		For Baked Enamel Finish, Add	400.31	
		For 18 Gauge Frame, Deduct	-120.60	
		For 14 Gauge Frame, Add	301.50	
		For 12 Gauge Frame, Add	458.27	
08 12 13 13-0141	EA	3'-4" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,558.44	134.81
		For Auxiliary Frame Reinforcement For Hinges, Add	193.32	
		For Welded Frames, Add	284.75	
		For Galvanized Frames, Add	154.66	
		For Type 304 Stainless Steel Frame, Add	2,333.37	
		For Type 316 Stainless Steel Frame, Add	2,720.02	
		For Baked Enamel Finish, Add	427.09	
		For 18 Gauge Frame, Deduct	-128.88	
		For 14 Gauge Frame, Add	322.21	
		For 12 Gauge Frame, Add	489.76	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0142	EA		3'-6" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,571.28	141.23
			For Auxiliary Frame Reinforcement For Hinges, Add	193.32	
			For Welded Frames, Add	284.75	
			For Galvanized Frames, Add	154.66	
			For Type 304 Stainless Steel Frame, Add	2,334.02	
			For Type 316 Stainless Steel Frame, Add	2,720.67	
			For Baked Enamel Finish, Add	429.02	
			For 18 Gauge Frame, Deduct	-128.88	
			For 14 Gauge Frame, Add	322.21	
			For 12 Gauge Frame, Add	489.76	
08 12 13 13-0143	EA		4' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,630.15	147.64
			For Auxiliary Frame Reinforcement For Hinges, Add	200.23	
			For Welded Frames, Add	284.75	
			For Galvanized Frames, Add	160.18	
			For Type 304 Stainless Steel Frame, Add	2,417.51	
			For Type 316 Stainless Steel Frame, Add	2,817.97	
			For Baked Enamel Finish, Add	444.75	
			For 18 Gauge Frame, Deduct	-133.49	
			For 14 Gauge Frame, Add	333.72	
			For 12 Gauge Frame, Add	507.25	
08 12 13 13-0144	EA		5' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,689.02	154.06
			For Auxiliary Frame Reinforcement For Hinges, Add	207.13	
			For Welded Frames, Add	284.75	
			For Galvanized Frames, Add	165.71	
			For Type 304 Stainless Steel Frame, Add	2,501.01	
			For Type 316 Stainless Steel Frame, Add	2,915.28	
			For Baked Enamel Finish, Add	460.49	
			For 18 Gauge Frame, Deduct	-138.09	
			For 14 Gauge Frame, Add	345.22	
			For 12 Gauge Frame, Add	524.74	
08 12 13 13-0145	EA		5'-4" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,701.86	160.48
			For Auxiliary Frame Reinforcement For Hinges, Add	207.13	
			For Welded Frames, Add	284.75	
			For Galvanized Frames, Add	165.71	
			For Type 304 Stainless Steel Frame, Add	2,501.65	
			For Type 316 Stainless Steel Frame, Add	2,915.92	
			For Baked Enamel Finish, Add	462.41	
			For 18 Gauge Frame, Deduct	-138.09	
			For 14 Gauge Frame, Add	345.22	
			For 12 Gauge Frame, Add	524.74	
08 12 13 13-0146	EA		5'-8" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,731.29	163.69
			For Auxiliary Frame Reinforcement For Hinges, Add	210.59	
			For Welded Frames, Add	284.75	
			For Galvanized Frames, Add	168.47	
			For Type 304 Stainless Steel Frame, Add	2,543.39	
			For Type 316 Stainless Steel Frame, Add	2,964.56	
			For Baked Enamel Finish, Add	470.28	
			For 18 Gauge Frame, Deduct	-140.39	
			For 14 Gauge Frame, Add	350.98	
			For 12 Gauge Frame, Add	533.48	
08 12 13 13-0147	EA		6' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,760.73	166.90
			For Auxiliary Frame Reinforcement For Hinges, Add	214.04	
			For Welded Frames, Add	284.75	
			For Galvanized Frames, Add	171.23	
			For Type 304 Stainless Steel Frame, Add	2,585.15	
			For Type 316 Stainless Steel Frame, Add	3,013.22	
			For Baked Enamel Finish, Add	478.15	
			For 18 Gauge Frame, Deduct	-142.69	
			For 14 Gauge Frame, Add	356.73	
			For 12 Gauge Frame, Add	542.23	
08 12 13 13-0148	EA		7' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,859.20	170.11
			For Auxiliary Frame Reinforcement For Hinges, Add	227.85	
			For Welded Frames, Add	284.75	
			For Galvanized Frames, Add	182.28	
			For Type 304 Stainless Steel Frame, Add	2,751.16	
			For Type 316 Stainless Steel Frame, Add	3,206.85	
			For Baked Enamel Finish, Add	506.73	
			For 18 Gauge Frame, Deduct	-151.90	
			For 14 Gauge Frame, Add	379.74	
			For 12 Gauge Frame, Add	577.21	
08 12 13 13-0149	EA		8' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,957.69	173.32
			For Auxiliary Frame Reinforcement For Hinges, Add	241.66	
			For Welded Frames, Add	284.75	
			For Galvanized Frames, Add	193.32	
			For Type 304 Stainless Steel Frame, Add	2,917.20	
			For Type 316 Stainless Steel Frame, Add	3,400.52	
			For Baked Enamel Finish, Add	535.31	
			For 18 Gauge Frame, Deduct	-161.10	
			For 14 Gauge Frame, Add	402.76	
			For 12 Gauge Frame, Add	612.20	

08 12 13 13-0150 >7'-2" Through 9'-0" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock
Down Hollow Metal Door Frames (08 12 13 13-0133)

08 Openings**08 10 Doors and Frames****08 12 Metal Frames**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 12 13 13-0151	EA	2' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,266.60	96.29
		For Auxiliary Frame Reinforcement For Hinges, Add	161.10	
		For Welded Frames, Add	284.75	
		For Galvanized Frames, Add	128.88	
		For Type 304 Stainless Steel Frame, Add	1,942.87	
		For Type 316 Stainless Steel Frame, Add	2,265.07	
		For Baked Enamel Finish, Add	351.09	
		For 18 Gauge Frame, Deduct	-107.40	
		For 14 Gauge Frame, Add	268.51	
		For 12 Gauge Frame, Add	408.13	
08 12 13 13-0152	EA	2'-4" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,490.44	105.92
		For Auxiliary Frame Reinforcement For Hinges, Add	191.79	
		For Welded Frames, Add	284.75	
		For Galvanized Frames, Add	153.43	
		For Type 304 Stainless Steel Frame, Add	2,312.07	
		For Type 316 Stainless Steel Frame, Add	2,695.65	
		For Baked Enamel Finish, Add	415.36	
		For 18 Gauge Frame, Deduct	-127.86	
		For 14 Gauge Frame, Add	319.65	
		For 12 Gauge Frame, Add	485.87	
08 12 13 13-0153	EA	2'-6" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,523.74	112.34
		For Auxiliary Frame Reinforcement For Hinges, Add	194.86	
		For Welded Frames, Add	284.75	
		For Galvanized Frames, Add	155.89	
		For Type 304 Stainless Steel Frame, Add	2,349.54	
		For Type 316 Stainless Steel Frame, Add	2,739.26	
		For Baked Enamel Finish, Add	423.42	
		For 18 Gauge Frame, Deduct	-129.91	
		For 14 Gauge Frame, Add	324.77	
		For 12 Gauge Frame, Add	493.64	
08 12 13 13-0154	EA	2'-8" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,543.00	121.97
		For Auxiliary Frame Reinforcement For Hinges, Add	194.86	
		For Welded Frames, Add	284.75	
		For Galvanized Frames, Add	155.89	
		For Type 304 Stainless Steel Frame, Add	2,350.51	
		For Type 316 Stainless Steel Frame, Add	2,740.22	
		For Baked Enamel Finish, Add	426.31	
		For 18 Gauge Frame, Deduct	-129.91	
		For 14 Gauge Frame, Add	324.77	
		For 12 Gauge Frame, Add	493.64	
08 12 13 13-0155	EA	2'-10" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,569.88	125.18
		For Auxiliary Frame Reinforcement For Hinges, Add	197.93	
		For Welded Frames, Add	284.75	
		For Galvanized Frames, Add	158.34	
		For Type 304 Stainless Steel Frame, Add	2,387.65	
		For Type 316 Stainless Steel Frame, Add	2,783.51	
		For Baked Enamel Finish, Add	433.41	
		For 18 Gauge Frame, Deduct	-131.95	
		For 14 Gauge Frame, Add	329.88	
		For 12 Gauge Frame, Add	501.42	
08 12 13 13-0156	EA	3' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,596.75	128.39
		For Auxiliary Frame Reinforcement For Hinges, Add	201.00	
		For Welded Frames, Add	284.75	
		For Galvanized Frames, Add	160.80	
		For Type 304 Stainless Steel Frame, Add	2,424.79	
		For Type 316 Stainless Steel Frame, Add	2,826.78	
		For Baked Enamel Finish, Add	440.51	
		For 18 Gauge Frame, Deduct	-134.00	
		For 14 Gauge Frame, Add	334.99	
		For 12 Gauge Frame, Add	509.19	
08 12 13 13-0157	EA	3'-4" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,701.64	134.81
		For Auxiliary Frame Reinforcement For Hinges, Add	214.80	
		For Welded Frames, Add	284.75	
		For Galvanized Frames, Add	171.84	
		For Type 304 Stainless Steel Frame, Add	2,591.13	
		For Type 316 Stainless Steel Frame, Add	3,020.74	
		For Baked Enamel Finish, Add	470.05	
		For 18 Gauge Frame, Deduct	-143.20	
		For 14 Gauge Frame, Add	358.01	
		For 12 Gauge Frame, Add	544.17	
08 12 13 13-0158	EA	3'-6" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,714.48	141.23
		For Auxiliary Frame Reinforcement For Hinges, Add	214.80	
		For Welded Frames, Add	284.75	
		For Galvanized Frames, Add	171.84	
		For Type 304 Stainless Steel Frame, Add	2,591.78	
		For Type 316 Stainless Steel Frame, Add	3,021.39	
		For Baked Enamel Finish, Add	471.98	
		For 18 Gauge Frame, Deduct	-143.20	
		For 14 Gauge Frame, Add	358.01	
		For 12 Gauge Frame, Add	544.17	
08 12 13 13-0159	EA	4' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,778.47	147.64
		For Auxiliary Frame Reinforcement For Hinges, Add	222.48	
		For Welded Frames, Add	284.75	
		For Galvanized Frames, Add	177.98	
		For Type 304 Stainless Steel Frame, Add	2,684.49	
		For Type 316 Stainless Steel Frame, Add	3,129.44	
		For Baked Enamel Finish, Add	489.25	
		For 18 Gauge Frame, Deduct	-148.32	
		For 14 Gauge Frame, Add	370.80	
		For 12 Gauge Frame, Add	563.61	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0160	EA	5' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,842.45	154.06	
		For Auxiliary Frame Reinforcement For Hinges, Add	230.15		
		For Welded Frames, Add	284.75		
		For Galvanized Frames, Add	184.12		
		For Type 304 Stainless Steel Frame, Add	2,777.18		
		For Type 316 Stainless Steel Frame, Add	3,237.48		
		For Baked Enamel Finish, Add	506.52		
		For 18 Gauge Frame, Deduct	-153.43		
		For 14 Gauge Frame, Add	383.58		
		For 12 Gauge Frame, Add	583.04		
08 12 13 13-0161	EA	5'-4" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,855.29	160.48	
		For Auxiliary Frame Reinforcement For Hinges, Add	230.15		
		For Welded Frames, Add	284.75		
		For Galvanized Frames, Add	184.12		
		For Type 304 Stainless Steel Frame, Add	2,777.82		
		For Type 316 Stainless Steel Frame, Add	3,238.12		
		For Baked Enamel Finish, Add	508.44		
		For 18 Gauge Frame, Deduct	-153.43		
		For 14 Gauge Frame, Add	383.58		
		For 12 Gauge Frame, Add	583.04		
08 12 13 13-0162	EA	5'-8" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,887.28	163.69	
		For Auxiliary Frame Reinforcement For Hinges, Add	233.98		
		For Welded Frames, Add	284.75		
		For Galvanized Frames, Add	187.19		
		For Type 304 Stainless Steel Frame, Add	2,824.17		
		For Type 316 Stainless Steel Frame, Add	3,292.14		
		For Baked Enamel Finish, Add	517.08		
		For 18 Gauge Frame, Deduct	-155.99		
		For 14 Gauge Frame, Add	389.97		
		For 12 Gauge Frame, Add	592.76		
08 12 13 13-0163	EA	6' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,919.27	166.90	
		For Auxiliary Frame Reinforcement For Hinges, Add	237.82		
		For Welded Frames, Add	284.75		
		For Galvanized Frames, Add	190.26		
		For Type 304 Stainless Steel Frame, Add	2,870.52		
		For Type 316 Stainless Steel Frame, Add	3,346.16		
		For Baked Enamel Finish, Add	525.71		
		For 18 Gauge Frame, Deduct	-158.55		
		For 14 Gauge Frame, Add	396.37		
		For 12 Gauge Frame, Add	602.47		
08 12 13 13-0164	EA	7' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,027.96	170.11	
		For Auxiliary Frame Reinforcement For Hinges, Add	253.16		
		For Welded Frames, Add	284.75		
		For Galvanized Frames, Add	202.53		
		For Type 304 Stainless Steel Frame, Add	3,054.93		
		For Type 316 Stainless Steel Frame, Add	3,561.24		
		For Baked Enamel Finish, Add	557.35		
		For 18 Gauge Frame, Deduct	-168.77		
		For 14 Gauge Frame, Add	421.93		
		For 12 Gauge Frame, Add	641.34		
08 12 13 13-0165	EA	8' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,136.69	173.32	
		For Auxiliary Frame Reinforcement For Hinges, Add	268.51		
		For Welded Frames, Add	284.75		
		For Galvanized Frames, Add	214.80		
		For Type 304 Stainless Steel Frame, Add	3,239.40		
		For Type 316 Stainless Steel Frame, Add	3,776.42		
		For Baked Enamel Finish, Add	589.01		
		For 18 Gauge Frame, Deduct	-179.00		
		For 14 Gauge Frame, Add	447.51		
		For 12 Gauge Frame, Add	680.22		
08 12 13 13-0166		Sidelights And Transoms (08 12 13 13)			
		Note: For non-rated or fire rated frame assemblies			
08 12 13 13-0167		Fixed Steel Transoms (08 12 13 13-0166)			
		Note: Excludes glazing. See CSI section 08 80 00 00-0000 for glazing.			
08 12 13 13-0168	SF	4-3/4" Deep, 16 Gauge Frame, Fixed Steel Transom	122.88	17.98	
		For Movable Frame, Add	24.58		
		For 18 Gauge Frame, Deduct	-8.69		
		For 14 Gauge Frame, Add	21.73		
		For 12 Gauge Frame, Add	33.03		
08 12 13 13-0169	SF	5-3/4" Deep, 16 Gauge Frame, Fixed Steel Transom	128.43	18.61	
		For Movable Frame, Add	25.69		
		For 18 Gauge Frame, Deduct	-9.12		
		For 14 Gauge Frame, Add	22.80		
		For 12 Gauge Frame, Add	34.66		
08 12 13 13-0170	SF	6-3/4" Deep, 16 Gauge Frame, Fixed Steel Transom	134.32	19.26	
		For Movable Frame, Add	26.86		
		For 18 Gauge Frame, Deduct	-9.58		
		For 14 Gauge Frame, Add	23.95		
		For 12 Gauge Frame, Add	36.40		
08 12 13 13-0171		Operable Steel Transom Sash (08 12 13 13-0166)			
		Note: Includes hardware.			
08 12 13 13-0172	SF	4-3/4" Deep, 16 Gauge Frame, Operable Steel Transom Sash	181.60	17.98	
		For 18 Gauge Frame, Deduct	-14.57		
		For 14 Gauge Frame, Add	36.41		
		For 12 Gauge Frame, Add	55.35		

08 Openings**08 10 Doors and Frames****08 12 Metal Frames**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 12 13 13-0173	SF 5-3/4" Deep, 16 Gauge Frame, Operable Steel Transom Sash..... <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i>	190.19 -15.30 38.24 58.12		18.61
08 12 13 13-0174	SF 6-3/4" Deep, 16 Gauge Frame, Operable Steel Transom Sash..... <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i>	199.10 -16.06 40.15 61.02		19.26
08 12 13 13-0175	Sidelights, Steel Frame (08 12 13 13-0166) Note: Excludes glazing. See CSI section 08 80 00 00-0000 for glazing.			
08 12 13 13-0176	SF 4-3/4" Deep Sidelights, 16 Gauge Frame <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i>	129.36 -9.34 23.35 35.50		17.98
08 12 13 13-0177	SF 5-3/4" Deep Sidelights, 16 Gauge Frame <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i>	135.33 -9.81 24.53 37.28		18.61
08 12 13 13-0178	SF 6-3/4" Deep Sidelights, 16 Gauge Frame <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i>	141.49 -10.30 25.74 39.13		19.26
08 12 13 13-0179	Sundry Hollow Metal Frame Sections (08 12 13 13) Note: For non-rated or fire rated frame assemblies			
08 12 13 13-0180	16 Gauge, Hollow Metal Frame Vertical Mullions (08 12 13 13-0179)			
08 12 13 13-0181	LF 4-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Vertical Mullion <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i> <i>For 3 Hour Frame, Add</i> <i>For 1-1/2 Hour Frame, Add</i> <i>For 3/4 Hour Frame, Add</i>	36.52 -1.84 4.61 7.01 8.00 5.00 4.00		7.19
08 12 13 13-0182	LF 4-3/4" x 2", 16 Gauge, Hollow Metal Frame Vertical Mullion..... <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i> <i>For 3 Hour Frame, Add</i> <i>For 1-1/2 Hour Frame, Add</i> <i>For 3/4 Hour Frame, Add</i>	37.26 -1.92 4.80 7.29 8.00 5.00 4.00		7.19
08 12 13 13-0183	LF 5-1/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Vertical Mullion <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i> <i>For 3 Hour Frame, Add</i> <i>For 1-1/2 Hour Frame, Add</i> <i>For 3/4 Hour Frame, Add</i>	37.05 -1.84 4.61 7.01 8.00 5.00 4.00		7.44
08 12 13 13-0184	LF 5-1/4" x 2", 16 Gauge, Hollow Metal Frame Vertical Mullion..... <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i> <i>For 3 Hour Frame, Add</i> <i>For 1-1/2 Hour Frame, Add</i> <i>For 3/4 Hour Frame, Add</i>	38.20 -1.96 4.90 7.44 8.00 5.00 4.00		7.44
08 12 13 13-0185	LF 6-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Vertical Mullion <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i> <i>For 3 Hour Frame, Add</i> <i>For 1-1/2 Hour Frame, Add</i> <i>For 3/4 Hour Frame, Add</i>	38.38 -1.94 4.84 7.36 8.00 5.00 4.00		7.58
08 12 13 13-0186	LF 6-3/4" x 2", 16 Gauge, Hollow Metal Frame Vertical Mullion..... <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i> <i>For 3 Hour Frame, Add</i> <i>For 1-1/2 Hour Frame, Add</i> <i>For 3/4 Hour Frame, Add</i>	38.82 -1.98 4.95 7.52 8.00 5.00 4.00		7.58
08 12 13 13-0187	16 Gauge, Hollow Metal Frame Horizontal Rails (08 12 13 13-0179)			
08 12 13 13-0188	LF 4-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Horizontal Rail <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i> <i>For 3 Hour Frame, Add</i> <i>For 1-1/2 Hour Frame, Add</i> <i>For 3/4 Hour Frame, Add</i>	27.30 -0.92 2.31 3.50 8.00 5.00 4.00		7.19
08 12 13 13-0189	LF 4-3/4" x 2", 16 Gauge, Hollow Metal Frame Horizontal Rail..... <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i> <i>For 3 Hour Frame, Add</i> <i>For 1-1/2 Hour Frame, Add</i> <i>For 3/4 Hour Frame, Add</i>	28.24 -1.02 2.54 3.86 8.00 5.00 4.00		7.19

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0190	LF		5-1/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Horizontal Rail	27.83	7.44
			For 18 Gauge Frame, Deduct	-0.92	
			For 14 Gauge Frame, Add	2.31	
			For 12 Gauge Frame, Add	3.50	
			For 3 Hour Frame, Add	8.00	
			For 1-1/2 Hour Frame, Add	5.00	
			For 3/4 Hour Frame, Add	4.00	
08 12 13 13-0191	LF		5-1/4" x 2", 16 Gauge, Hollow Metal Frame Horizontal Rail.....	28.77	7.44
			For 18 Gauge Frame, Deduct	-1.02	
			For 14 Gauge Frame, Add	2.54	
			For 12 Gauge Frame, Add	3.86	
			For 3 Hour Frame, Add	8.00	
			For 1-1/2 Hour Frame, Add	5.00	
			For 3/4 Hour Frame, Add	4.00	
08 12 13 13-0192	LF		6-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Horizontal Rail	28.70	7.58
			For 18 Gauge Frame, Deduct	-0.97	
			For 14 Gauge Frame, Add	2.42	
			For 12 Gauge Frame, Add	3.68	
			For 3 Hour Frame, Add	8.00	
			For 1-1/2 Hour Frame, Add	5.00	
			For 3/4 Hour Frame, Add	4.00	
08 12 13 13-0193	LF		6-3/4" x 2", 16 Gauge, Hollow Metal Frame Horizontal Rail.....	29.52	7.58
			For 18 Gauge Frame, Deduct	-1.05	
			For 14 Gauge Frame, Add	2.63	
			For 12 Gauge Frame, Add	3.99	
			For 3 Hour Frame, Add	8.00	
			For 1-1/2 Hour Frame, Add	5.00	
			For 3/4 Hour Frame, Add	4.00	
08 12 13 13-0194 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullions (08 12 13 13-0179)					
08 12 13 13-0195	EA		4-3/4" x 1-3/4" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion	857.38	50.33
			For 18 Gauge Frame, Deduct	-73.16	
			For 14 Gauge Frame, Add	182.89	
			For 12 Gauge Frame, Add	277.99	
08 12 13 13-0196	EA		4-3/4" x 2" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion	886.56	50.33
			For 18 Gauge Frame, Deduct	-76.07	
			For 14 Gauge Frame, Add	190.19	
			For 12 Gauge Frame, Add	289.08	
08 12 13 13-0197	EA		5-1/4" x 1-3/4" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion	978.99	52.64
			For 18 Gauge Frame, Deduct	-84.93	
			For 14 Gauge Frame, Add	212.33	
			For 12 Gauge Frame, Add	322.74	
			For 3 Hour Frame, Add	56.00	
			For 1-1/2 Hour Frame, Add	36.00	
			For 3/4 Hour Frame, Add	28.00	
08 12 13 13-0198	EA		5-1/4" x 2" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion	1,005.04	52.64
			For 18 Gauge Frame, Deduct	-87.54	
			For 14 Gauge Frame, Add	218.84	
			For 12 Gauge Frame, Add	332.64	
			For 3 Hour Frame, Add	56.00	
			For 1-1/2 Hour Frame, Add	36.00	
			For 3/4 Hour Frame, Add	28.00	
08 12 13 13-0199	EA		6-3/4" x 1-3/4" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion	1,133.15	53.92
			For 18 Gauge Frame, Deduct	-99.83	
			For 14 Gauge Frame, Add	249.59	
			For 12 Gauge Frame, Add	379.37	
			For 3 Hour Frame, Add	56.00	
			For 1-1/2 Hour Frame, Add	36.00	
			For 3/4 Hour Frame, Add	28.00	
08 12 13 13-0200	EA		6-3/4" x 2" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion	1,150.87	53.92
			For 18 Gauge Frame, Deduct	-101.61	
			For 14 Gauge Frame, Add	254.02	
			For 12 Gauge Frame, Add	386.10	
			For 3 Hour Frame, Add	56.00	
			For 1-1/2 Hour Frame, Add	36.00	
			For 3/4 Hour Frame, Add	28.00	
08 12 13 13-0201 Metal Frames Accessories (08 12 13 13)					
08 12 13 13-0202	EA		For 1' Extension Of New Door Frame	33.09	
08 12 16 Aluminum Frames (08 12)					
08 12 16 00-0001 Aluminum Door Frames (08 12 16)					
08 12 16 00-0002 4-7/8" Deep, Aluminum Door Frames (08 12 16 00-0001)					
08 12 16 00-0003	EA		2'-10" x 6'-8" Through 7'-2" High, 4-7/8" Deep, Aluminum Door Frame	640.44	125.18
08 12 16 00-0004	EA		3' x 6'-8" Through 7'-2" High, 4-7/8" Deep, Aluminum Door Frame	652.90	128.39
08 12 16 00-0005	EA		3'-4" x 6'-8" Through 7'-2" High, 4-7/8" Deep, Aluminum Door Frame	692.95	134.81
08 12 16 00-0006	EA		3'-6" x 6'-8" Through 7'-2" High, 4-7/8" Deep, Aluminum Door Frame	705.79	141.23
08 12 16 00-0007	EA		4' x 6'-8" Through 7'-2" High, 4-7/8" Deep, Aluminum Door Frame	733.75	147.64
08 12 16 00-0008	EA		6' x 6'-8" Through 7'-2" High, 4-7/8" Deep, Aluminum Door Frame	694.35	166.90
08 12 16 00-0009	EA		7' x 6'-8" Through 7'-2" High, 4-7/8" Deep, Aluminum Door Frame	724.03	170.11
08 12 16 00-0010	EA		8' x 6'-8" Through 7'-2" High, 4-7/8" Deep, Aluminum Door Frame	1,160.76	173.32
08 12 16 00-0011 5-1/4" Deep, Aluminum Door Frames (08 12 16 00-0001)					

08 Openings**08 10 Doors and Frames****08 12 Metal Frames**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 12 16 00-0012	EA	2'-10" x 6'-8" Through 7'-2" High, 5-1/4" Deep, Aluminum Door Frame.....	683.78	125.18
08 12 16 00-0013	EA	3' x 6'-8" Through 7'-2" High, 5-1/4" Deep, Aluminum Door Frame.....	696.92	128.39
08 12 16 00-0014	EA	3'-4" x 6'-8" Through 7'-2" High, 5-1/4" Deep, Aluminum Door Frame.....	739.99	134.81
08 12 16 00-0015	EA	3'-6" x 6'-8" Through 7'-2" High, 5-1/4" Deep, Aluminum Door Frame.....	752.83	141.23
08 12 16 00-0016	EA	4' x 6'-8" Through 7'-2" High, 5-1/4" Deep, Aluminum Door Frame.....	782.47	147.64
08 12 16 00-0017	EA	6' x 6'-8" Through 7'-2" High, 5-1/4" Deep, Aluminum Door Frame.....	854.58	166.90
08 12 16 00-0018	EA	7' x 6'-8" Through 7'-2" High, 5-1/4" Deep, Aluminum Door Frame.....	894.60	170.11
08 12 16 00-0019	EA	8' x 6'-8" Through 7'-2" High, 5-1/4" Deep, Aluminum Door Frame.....	934.62	173.32

08 13 Metal Doors (08 10)

Note: Includes machining for all hardware. Excludes frames, finish hardware. See CSI section 08 70 00 00-0000 for finish hardware.

08 13 13 Hollow Metal Doors (08 13)**08 13 13 13 Standard Hollow Metal Doors** (08 13 13)

Note: Hollow Metal Doors are full flush, fabricated from cold rolled steel conforming to ASTM A1008, honeycomb core, interlocking mechanical vertical edge seam, with epoxy baked-on primer. Galvanized steel doors are fabricated from a carbon steel sheet and coated with zinc on two sides by the continuous hot-dip process. Hollow Metal Doors are organized by the following levels: 20 Gauge, Level 1 Standard Duty; 18 Gauge, Level 2 Heavy-Duty; 16 Gauge, Level 3 Extra Heavy-Duty; 14 Gauge, Level 4 Maximum Duty.

08 13 13 13-0001 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Doors (08 13 13 13)

08 13 13 13-0002 6'-8" High, 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Doors (08 13 13 13-0001)

08 13 13 13-0003	EA	2' x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	566.21	70.61
		For Galvanized Steel Door, Add	85.00	
		For Type 304 Stainless Steel Door, Add	339.98	
		For Type 316 Stainless Steel Door, Add	552.47	
		For Embossed Panel Door, Add	102.00	
		For Baked Enamel Finish, Add	148.68	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-31.84	
		For >100, Deduct	-46.00	
		For Polystyrene Core, Add	42.50	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	106.25	
		For Continuously Welded And Filled Vertical Edge Seam, Add	53.12	
08 13 13 13-0004	EA	2'-4" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	566.21	70.61
		For Galvanized Steel Door, Add	85.00	
		For Type 304 Stainless Steel Door, Add	339.98	
		For Type 316 Stainless Steel Door, Add	552.47	
		For Embossed Panel Door, Add	102.00	
		For Baked Enamel Finish, Add	148.68	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-31.84	
		For >100, Deduct	-46.00	
		For Polystyrene Core, Add	42.50	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	106.25	
		For Continuously Welded And Filled Vertical Edge Seam, Add	53.12	
08 13 13 13-0005	EA	2'-6" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	581.31	73.82
		For Galvanized Steel Door, Add	86.73	
		For Type 304 Stainless Steel Door, Add	346.94	
		For Type 316 Stainless Steel Door, Add	563.77	
		For Embossed Panel Door, Add	104.08	
		For Baked Enamel Finish, Add	152.25	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-32.76	
		For >100, Deduct	-47.29	
		For Polystyrene Core, Add	43.37	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	108.42	
		For Continuously Welded And Filled Vertical Edge Seam, Add	54.21	
08 13 13 13-0006	EA	2'-8" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	587.79	73.82
		For Galvanized Steel Door, Add	88.03	
		For Type 304 Stainless Steel Door, Add	352.12	
		For Type 316 Stainless Steel Door, Add	572.20	
		For Embossed Panel Door, Add	105.64	
		For Baked Enamel Finish, Add	154.19	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-33.08	
		For >100, Deduct	-47.78	
		For Polystyrene Core, Add	44.02	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	110.04	
		For Continuously Welded And Filled Vertical Edge Seam, Add	55.02	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0007	EA		2'-10" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	593.59	75.43
			For Galvanized Steel Door, Add	88.55	
			For Type 304 Stainless Steel Door, Add	354.19	
			For Type 316 Stainless Steel Door, Add	575.56	
			For Embossed Panel Door, Add	106.26	
			For Baked Enamel Finish, Add	155.45	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-33.45	
			For >100, Deduct	-48.29	
			For Polystyrene Core, Add	44.27	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	110.69	
			For Continuously Welded And Filled Vertical Edge Seam, Add	55.34	
08 13 13 13-0008	EA		3' x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	599.39	77.03
			For Galvanized Steel Door, Add	89.07	
			For Type 304 Stainless Steel Door, Add	356.26	
			For Type 316 Stainless Steel Door, Add	578.93	
			For Embossed Panel Door, Add	106.88	
			For Baked Enamel Finish, Add	156.71	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-33.82	
			For >100, Deduct	-48.81	
			For Polystyrene Core, Add	44.53	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	111.33	
			For Continuously Welded And Filled Vertical Edge Seam, Add	55.67	
08 13 13 13-0009	EA		3'-4" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	633.04	77.03
			For Galvanized Steel Door, Add	95.80	
			For Type 304 Stainless Steel Door, Add	383.18	
			For Type 316 Stainless Steel Door, Add	622.67	
			For Embossed Panel Door, Add	114.96	
			For Baked Enamel Finish, Add	166.80	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-35.50	
			For >100, Deduct	-51.33	
			For Polystyrene Core, Add	47.90	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	119.75	
			For Continuously Welded And Filled Vertical Edge Seam, Add	59.87	
08 13 13 13-0010	EA		3'-6" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	652.41	80.24
			For Galvanized Steel Door, Add	98.39	
			For Type 304 Stainless Steel Door, Add	393.54	
			For Type 316 Stainless Steel Door, Add	639.51	
			For Embossed Panel Door, Add	118.06	
			For Baked Enamel Finish, Add	171.65	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-36.63	
			For >100, Deduct	-52.94	
			For Polystyrene Core, Add	49.19	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	122.98	
			For Continuously Welded And Filled Vertical Edge Seam, Add	61.49	
08 13 13 13-0011	EA		4' x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	717.03	86.66
			For Galvanized Steel Door, Add	108.74	
			For Type 304 Stainless Steel Door, Add	434.97	
			For Type 316 Stainless Steel Door, Add	706.82	
			For Embossed Panel Door, Add	130.49	
			For Baked Enamel Finish, Add	189.11	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-40.18	
			For >100, Deduct	-58.11	
			For Polystyrene Core, Add	54.37	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	135.93	
			For Continuously Welded And Filled Vertical Edge Seam, Add	67.96	
08 13 13 13-0012			7' High, 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Doors (08 13 13 13-0001)		

08 Openings**08 10 Doors and Frames****08 13 Metal Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 13 13 13-0013	EA 2' x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	577.35	70.61
	For Galvanized Steel Door, Add	87.22	
	For Type 304 Stainless Steel Door, Add	348.90	
	For Type 316 Stainless Steel Door, Add	566.96	
	For Embossed Panel Door, Add	104.67	
	For Baked Enamel Finish, Add	152.02	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-32.40	
	For >100, Deduct	-46.83	
	For Polystyrene Core, Add	43.61	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	109.03	
	For Continuously Welded And Filled Vertical Edge Seam, Add	54.52	
08 13 13 13-0014	EA 2'-4" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	577.35	70.61
	For Galvanized Steel Door, Add	87.22	
	For Type 304 Stainless Steel Door, Add	348.90	
	For Type 316 Stainless Steel Door, Add	566.96	
	For Embossed Panel Door, Add	104.67	
	For Baked Enamel Finish, Add	152.02	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-32.40	
	For >100, Deduct	-46.83	
	For Polystyrene Core, Add	43.61	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	109.03	
	For Continuously Welded And Filled Vertical Edge Seam, Add	54.52	
08 13 13 13-0015	EA 2'-6" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	592.68	73.82
	For Galvanized Steel Door, Add	89.01	
	For Type 304 Stainless Steel Door, Add	356.03	
	For Type 316 Stainless Steel Door, Add	578.55	
	For Embossed Panel Door, Add	106.81	
	For Baked Enamel Finish, Add	155.66	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-33.33	
	For >100, Deduct	-48.14	
	For Polystyrene Core, Add	44.50	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	111.26	
	For Continuously Welded And Filled Vertical Edge Seam, Add	55.63	
08 13 13 13-0016	EA 2'-8" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	599.32	73.82
	For Galvanized Steel Door, Add	90.34	
	For Type 304 Stainless Steel Door, Add	361.34	
	For Type 316 Stainless Steel Door, Add	587.18	
	For Embossed Panel Door, Add	108.40	
	For Baked Enamel Finish, Add	157.65	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-33.66	
	For >100, Deduct	-48.64	
	For Polystyrene Core, Add	45.17	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	112.92	
	For Continuously Welded And Filled Vertical Edge Seam, Add	56.46	
08 13 13 13-0017	EA 2'-10" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	605.19	75.43
	For Galvanized Steel Door, Add	90.87	
	For Type 304 Stainless Steel Door, Add	363.47	
	For Type 316 Stainless Steel Door, Add	590.64	
	For Embossed Panel Door, Add	109.04	
	For Baked Enamel Finish, Add	158.93	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-34.03	
	For >100, Deduct	-49.16	
	For Polystyrene Core, Add	45.43	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	113.59	
	For Continuously Welded And Filled Vertical Edge Seam, Add	56.79	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0018	EA	3' x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	611.05	77.03
		For Galvanized Steel Door, Add	91.40	
		For Type 304 Stainless Steel Door, Add	365.59	
		For Type 316 Stainless Steel Door, Add	594.09	
		For Embossed Panel Door, Add	109.68	
		For Baked Enamel Finish, Add	160.21	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-34.40	
		For >100, Deduct	-49.68	
		For Polystyrene Core, Add	45.70	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	114.25	
		For Continuously Welded And Filled Vertical Edge Seam, Add	57.12	
08 13 13 13-0019	EA	3'-4" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	645.59	77.03
		For Galvanized Steel Door, Add	98.31	
		For Type 304 Stainless Steel Door, Add	393.22	
		For Type 316 Stainless Steel Door, Add	638.99	
		For Embossed Panel Door, Add	117.97	
		For Baked Enamel Finish, Add	170.57	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-36.13	
		For >100, Deduct	-52.27	
		For Polystyrene Core, Add	49.15	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	122.88	
		For Continuously Welded And Filled Vertical Edge Seam, Add	61.44	
08 13 13 13-0020	EA	3'-6" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	665.30	80.24
		For Galvanized Steel Door, Add	100.96	
		For Type 304 Stainless Steel Door, Add	403.86	
		For Type 316 Stainless Steel Door, Add	656.27	
		For Embossed Panel Door, Add	121.16	
		For Baked Enamel Finish, Add	175.52	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-37.28	
		For >100, Deduct	-53.91	
		For Polystyrene Core, Add	50.48	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	126.21	
		For Continuously Welded And Filled Vertical Edge Seam, Add	63.10	
08 13 13 13-0021	EA	4' x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	731.28	86.66
		For Galvanized Steel Door, Add	111.59	
		For Type 304 Stainless Steel Door, Add	446.37	
		For Type 316 Stainless Steel Door, Add	725.35	
		For Embossed Panel Door, Add	133.91	
		For Baked Enamel Finish, Add	193.39	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-40.90	
		For >100, Deduct	-59.18	
		For Polystyrene Core, Add	55.80	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	139.49	
		For Continuously Welded And Filled Vertical Edge Seam, Add	69.75	
08 13 13 13-0022		7'-2" High, 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Doors (08 13 13 13-0001)		
08 13 13 13-0023	EA	2' x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	588.16	70.61
		For Galvanized Steel Door, Add	89.39	
		For Type 304 Stainless Steel Door, Add	357.54	
		For Type 316 Stainless Steel Door, Add	581.01	
		For Embossed Panel Door, Add	107.26	
		For Baked Enamel Finish, Add	155.26	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-32.94	
		For >100, Deduct	-47.64	
		For Polystyrene Core, Add	44.69	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	111.73	
		For Continuously Welded And Filled Vertical Edge Seam, Add	55.87	

08 Openings**08 10 Doors and Frames****08 13 Metal Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 13 13 13-0024	EA 2'-4" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	588.16	70.61
	For Galvanized Steel Door, Add	89.39	
	For Type 304 Stainless Steel Door, Add	357.54	
	For Type 316 Stainless Steel Door, Add	581.01	
	For Embossed Panel Door, Add	107.26	
	For Baked Enamel Finish, Add	155.26	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-32.94	
	For >100, Deduct	-47.64	
	For Polystyrene Core, Add	44.69	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	111.73	
	For Continuously Welded And Filled Vertical Edge Seam, Add	55.87	
08 13 13 13-0025	EA 2'-6" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	603.71	73.82
	For Galvanized Steel Door, Add	91.21	
	For Type 304 Stainless Steel Door, Add	364.86	
	For Type 316 Stainless Steel Door, Add	592.89	
	For Embossed Panel Door, Add	109.46	
	For Baked Enamel Finish, Add	158.97	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-33.88	
	For >100, Deduct	-48.97	
	For Polystyrene Core, Add	45.61	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	114.02	
	For Continuously Welded And Filled Vertical Edge Seam, Add	57.01	
08 13 13 13-0026	EA 2'-8" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	610.52	73.82
	For Galvanized Steel Door, Add	92.58	
	For Type 304 Stainless Steel Door, Add	370.30	
	For Type 316 Stainless Steel Door, Add	601.74	
	For Embossed Panel Door, Add	111.09	
	For Baked Enamel Finish, Add	161.01	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-34.22	
	For >100, Deduct	-49.48	
	For Polystyrene Core, Add	46.29	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	115.72	
	For Continuously Welded And Filled Vertical Edge Seam, Add	57.86	
08 13 13 13-0027	EA 2'-10" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	616.45	75.43
	For Galvanized Steel Door, Add	93.12	
	For Type 304 Stainless Steel Door, Add	372.48	
	For Type 316 Stainless Steel Door, Add	605.28	
	For Embossed Panel Door, Add	111.74	
	For Baked Enamel Finish, Add	162.31	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-34.59	
	For >100, Deduct	-50.01	
	For Polystyrene Core, Add	46.56	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	116.40	
	For Continuously Welded And Filled Vertical Edge Seam, Add	58.20	
08 13 13 13-0028	EA 3' x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	622.38	77.03
	For Galvanized Steel Door, Add	93.66	
	For Type 304 Stainless Steel Door, Add	374.66	
	For Type 316 Stainless Steel Door, Add	608.82	
	For Embossed Panel Door, Add	112.40	
	For Baked Enamel Finish, Add	163.61	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-34.97	
	For >100, Deduct	-50.53	
	For Polystyrene Core, Add	46.83	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	117.08	
	For Continuously Welded And Filled Vertical Edge Seam, Add	58.54	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0029	EA		3'-4" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	657.78	77.03
			For Galvanized Steel Door, Add	100.74	
			For Type 304 Stainless Steel Door, Add	402.98	
			For Type 316 Stainless Steel Door, Add	654.84	
			For Embossed Panel Door, Add	120.89	
			For Baked Enamel Finish, Add	174.23	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-36.74	
			For >100, Deduct	-53.19	
			For Polystyrene Core, Add	50.37	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	125.93	
			For Continuously Welded And Filled Vertical Edge Seam, Add	62.97	
08 13 13 13-0030	EA		3'-6" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	677.82	80.24
			For Galvanized Steel Door, Add	103.47	
			For Type 304 Stainless Steel Door, Add	413.87	
			For Type 316 Stainless Steel Door, Add	672.54	
			For Embossed Panel Door, Add	124.16	
			For Baked Enamel Finish, Add	179.27	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-37.90	
			For >100, Deduct	-54.85	
			For Polystyrene Core, Add	51.73	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	129.34	
			For Continuously Welded And Filled Vertical Edge Seam, Add	64.67	
08 13 13 13-0031	EA		4' x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	745.11	86.66
			For Galvanized Steel Door, Add	114.36	
			For Type 304 Stainless Steel Door, Add	457.43	
			For Type 316 Stainless Steel Door, Add	743.33	
			For Embossed Panel Door, Add	137.23	
			For Baked Enamel Finish, Add	197.54	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-41.59	
			For >100, Deduct	-60.22	
			For Polystyrene Core, Add	57.18	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	142.95	
			For Continuously Welded And Filled Vertical Edge Seam, Add	71.47	
08 13 13 13-0032			18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Doors (08 13 13 13)		
08 13 13 13-0033			6'-8" High, 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Doors (08 13 13 13-0032)		
08 13 13 13-0034	EA		2' x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	600.59	70.61
			For Galvanized Steel Door, Add	91.87	
			For Type 304 Stainless Steel Door, Add	367.49	
			For Type 316 Stainless Steel Door, Add	597.17	
			For Embossed Panel Door, Add	110.25	
			For Baked Enamel Finish, Add	158.99	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-33.56	
			For >100, Deduct	-48.58	
			For 2" Thick Door, Add	36.83	
			For Polystyrene Core, Add	45.94	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	114.84	
			For Continuously Welded And Filled Vertical Edge Seam, Add	57.42	
			For Steel Stiffened, Add	114.84	
08 13 13 13-0035	EA		2'-4" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	600.59	70.61
			For Galvanized Steel Door, Add	91.87	
			For Type 304 Stainless Steel Door, Add	367.49	
			For Type 316 Stainless Steel Door, Add	597.17	
			For Embossed Panel Door, Add	110.25	
			For Baked Enamel Finish, Add	158.99	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-33.56	
			For >100, Deduct	-48.58	
			For 2" Thick Door, Add	36.83	
			For Polystyrene Core, Add	45.94	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	114.84	
			For Continuously Welded And Filled Vertical Edge Seam, Add	57.42	
			For Steel Stiffened, Add	114.84	

08 Openings**08 10 Doors and Frames****08 13 Metal Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 13 13 13-0036	EA 2'-6" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door.....	616.40	73.82
	For Galvanized Steel Door, Add	93.75	
	For Type 304 Stainless Steel Door, Add	375.01	
	For Type 316 Stainless Steel Door, Add	609.39	
	For Embossed Panel Door, Add	112.50	
	For Baked Enamel Finish, Add	162.77	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-34.51	
	For >100, Deduct	-49.92	
	For 2" Thick Door, Add	37.68	
	For Polystyrene Core, Add	46.88	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	117.19	
	For Continuously Welded And Filled Vertical Edge Seam, Add	58.60	
	For Steel Stiffened, Add	117.19	
08 13 13 13-0037	EA 2'-8" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door.....	623.39	73.82
	For Galvanized Steel Door, Add	95.15	
	For Type 304 Stainless Steel Door, Add	380.60	
	For Type 316 Stainless Steel Door, Add	618.48	
	For Embossed Panel Door, Add	114.18	
	For Baked Enamel Finish, Add	164.87	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-34.86	
	For >100, Deduct	-50.45	
	For 2" Thick Door, Add	38.18	
	For Polystyrene Core, Add	47.58	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	118.94	
	For Continuously Welded And Filled Vertical Edge Seam, Add	59.47	
	For Steel Stiffened, Add	118.94	
08 13 13 13-0038	EA 2'-10" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door.....	629.39	75.43
	For Galvanized Steel Door, Add	95.71	
	For Type 304 Stainless Steel Door, Add	382.83	
	For Type 316 Stainless Steel Door, Add	622.10	
	For Embossed Panel Door, Add	114.85	
	For Baked Enamel Finish, Add	166.19	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-35.24	
	For >100, Deduct	-50.98	
	For 2" Thick Door, Add	38.47	
	For Polystyrene Core, Add	47.85	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	119.64	
	For Continuously Welded And Filled Vertical Edge Seam, Add	59.82	
	For Steel Stiffened, Add	119.64	
08 13 13 13-0039	EA 3' x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door.....	635.41	77.03
	For Galvanized Steel Door, Add	96.27	
	For Type 304 Stainless Steel Door, Add	385.08	
	For Type 316 Stainless Steel Door, Add	625.76	
	For Embossed Panel Door, Add	115.52	
	For Baked Enamel Finish, Add	167.51	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-35.62	
	For >100, Deduct	-51.51	
	For 2" Thick Door, Add	38.75	
	For Polystyrene Core, Add	48.14	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	120.34	
	For Continuously Welded And Filled Vertical Edge Seam, Add	60.17	
	For Steel Stiffened, Add	120.34	
08 13 13 13-0040	EA 3'-4" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door.....	671.79	77.03
	For Galvanized Steel Door, Add	103.55	
	For Type 304 Stainless Steel Door, Add	414.18	
	For Type 316 Stainless Steel Door, Add	673.05	
	For Embossed Panel Door, Add	124.26	
	For Baked Enamel Finish, Add	178.43	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-37.44	
	For >100, Deduct	-54.24	
	For 2" Thick Door, Add	41.39	
	For Polystyrene Core, Add	51.77	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	129.43	
	For Continuously Welded And Filled Vertical Edge Seam, Add	64.72	
	For Steel Stiffened, Add	129.43	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0041	EA		3'-6" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door.....	692.21	80.24
			For Galvanized Steel Door, Add	106.35	
			For Type 304 Stainless Steel Door, Add	425.38	
			For Type 316 Stainless Steel Door, Add	691.25	
			For Embossed Panel Door, Add	127.62	
			For Baked Enamel Finish, Add	183.59	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-38.62	
			For >100, Deduct	-55.93	
			For 2" Thick Door, Add	42.56	
			For Polystyrene Core, Add	53.17	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	132.93	
			For Continuously Welded And Filled Vertical Edge Seam, Add	66.47	
			For Steel Stiffened, Add	132.93	
08 13 13 13-0042	EA		4' x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	761.02	86.66
			For Galvanized Steel Door, Add	117.54	
			For Type 304 Stainless Steel Door, Add	470.16	
			For Type 316 Stainless Steel Door, Add	764.01	
			For Embossed Panel Door, Add	141.05	
			For Baked Enamel Finish, Add	202.31	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-42.38	
			For >100, Deduct	-61.41	
			For 2" Thick Door, Add	46.94	
			For Polystyrene Core, Add	58.77	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	146.93	
			For Continuously Welded And Filled Vertical Edge Seam, Add	73.46	
			For Steel Stiffened, Add	146.93	
08 13 13 13-0043			7' High, 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Doors (08 13 13 13-0032)		
08 13 13 13-0044	EA		2' x 7' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door.....	611.50	70.61
			For Galvanized Steel Door, Add	94.05	
			For Type 304 Stainless Steel Door, Add	376.22	
			For Type 316 Stainless Steel Door, Add	611.35	
			For Embossed Panel Door, Add	112.86	
			For Baked Enamel Finish, Add	162.27	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-34.11	
			For >100, Deduct	-49.39	
			For 2" Thick Door, Add	37.63	
			For Polystyrene Core, Add	47.03	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	117.57	
			For Continuously Welded And Filled Vertical Edge Seam, Add	58.78	
			For Steel Stiffened, Add	117.57	
08 13 13 13-0045	EA		2'-4" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	611.50	70.61
			For Galvanized Steel Door, Add	94.05	
			For Type 304 Stainless Steel Door, Add	376.22	
			For Type 316 Stainless Steel Door, Add	611.35	
			For Embossed Panel Door, Add	112.86	
			For Baked Enamel Finish, Add	162.27	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-34.11	
			For >100, Deduct	-49.39	
			For 2" Thick Door, Add	37.63	
			For Polystyrene Core, Add	47.03	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	117.57	
			For Continuously Welded And Filled Vertical Edge Seam, Add	58.78	
			For Steel Stiffened, Add	117.57	

08 Openings**08 10 Doors and Frames****08 13 Metal Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 13 13 13-0046	EA 2'-6" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	627.52	73.82
	For Galvanized Steel Door, Add	95.98	
	For Type 304 Stainless Steel Door, Add	383.90	
	For Type 316 Stainless Steel Door, Add	623.84	
	For Embossed Panel Door, Add	115.17	
	For Baked Enamel Finish, Add	166.11	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-35.07	
	For >100, Deduct	-50.76	
	For 2" Thick Door, Add	38.48	
	For Polystyrene Core, Add	47.99	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	119.97	
	For Continuously Welded And Filled Vertical Edge Seam, Add	59.99	
	For Steel Stiffened, Add	119.97	
08 13 13 13-0047	EA 2'-8" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	634.69	73.82
	For Galvanized Steel Door, Add	97.41	
	For Type 304 Stainless Steel Door, Add	389.64	
	For Type 316 Stainless Steel Door, Add	633.17	
	For Embossed Panel Door, Add	116.89	
	For Baked Enamel Finish, Add	168.26	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-35.43	
	For >100, Deduct	-51.29	
	For 2" Thick Door, Add	39.00	
	For Polystyrene Core, Add	48.71	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	121.76	
	For Continuously Welded And Filled Vertical Edge Seam, Add	60.88	
	For Steel Stiffened, Add	121.76	
08 13 13 13-0048	EA 2'-10" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	640.76	75.43
	For Galvanized Steel Door, Add	97.98	
	For Type 304 Stainless Steel Door, Add	391.93	
	For Type 316 Stainless Steel Door, Add	636.88	
	For Embossed Panel Door, Add	117.58	
	For Baked Enamel Finish, Add	169.60	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-35.81	
	For >100, Deduct	-51.83	
	For 2" Thick Door, Add	39.29	
	For Polystyrene Core, Add	48.99	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	122.48	
	For Continuously Welded And Filled Vertical Edge Seam, Add	61.24	
	For Steel Stiffened, Add	122.48	
08 13 13 13-0049	EA 3' x 7' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	646.83	77.03
	For Galvanized Steel Door, Add	98.55	
	For Type 304 Stainless Steel Door, Add	394.22	
	For Type 316 Stainless Steel Door, Add	640.60	
	For Embossed Panel Door, Add	118.26	
	For Baked Enamel Finish, Add	170.94	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-36.19	
	For >100, Deduct	-52.36	
	For 2" Thick Door, Add	39.58	
	For Polystyrene Core, Add	49.28	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	123.19	
	For Continuously Welded And Filled Vertical Edge Seam, Add	61.60	
	For Steel Stiffened, Add	123.19	
08 13 13 13-0050	EA 3'-4" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	684.08	77.03
	For Galvanized Steel Door, Add	106.00	
	For Type 304 Stainless Steel Door, Add	424.02	
	For Type 316 Stainless Steel Door, Add	689.03	
	For Embossed Panel Door, Add	127.20	
	For Baked Enamel Finish, Add	182.12	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-38.06	
	For >100, Deduct	-55.16	
	For 2" Thick Door, Add	42.28	
	For Polystyrene Core, Add	53.00	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	132.51	
	For Continuously Welded And Filled Vertical Edge Seam, Add	66.25	
	For Steel Stiffened, Add	132.51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0051	EA		3'-6" x 7" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	704.82	80.24
			For Galvanized Steel Door, Add	108.87	
			For Type 304 Stainless Steel Door, Add	435.47	
			For Type 316 Stainless Steel Door, Add	707.64	
			For Embossed Panel Door, Add	130.64	
			For Baked Enamel Finish, Add	187.37	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-39.25	
			For >100, Deduct	-56.87	
			For 2" Thick Door, Add	43.48	
			For Polystyrene Core, Add	54.43	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	136.09	
			For Continuously Welded And Filled Vertical Edge Seam, Add	68.04	
			For Steel Stiffened, Add	136.09	
08 13 13 13-0052	EA		4' x 7' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	774.96	86.66
			For Galvanized Steel Door, Add	120.33	
			For Type 304 Stainless Steel Door, Add	481.31	
			For Type 316 Stainless Steel Door, Add	782.13	
			For Embossed Panel Door, Add	144.39	
			For Baked Enamel Finish, Add	206.49	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-43.08	
			For >100, Deduct	-62.46	
			For 2" Thick Door, Add	47.95	
			For Polystyrene Core, Add	60.16	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	150.41	
			For Continuously Welded And Filled Vertical Edge Seam, Add	75.21	
			For Steel Stiffened, Add	150.41	
08 13 13 13-0053			7'-2" High, 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal		
			Doors (08 13 13 13-0032)		
08 13 13 13-0054	EA		2' x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	622.40	70.61
			For Galvanized Steel Door, Add	96.23	
			For Type 304 Stainless Steel Door, Add	384.94	
			For Type 316 Stainless Steel Door, Add	625.52	
			For Embossed Panel Door, Add	115.48	
			For Baked Enamel Finish, Add	165.54	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-34.65	
			For >100, Deduct	-50.21	
			For 2" Thick Door, Add	38.42	
			For Polystyrene Core, Add	48.12	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	120.29	
			For Continuously Welded And Filled Vertical Edge Seam, Add	60.15	
			For Steel Stiffened, Add	120.29	
08 13 13 13-0055	EA		2'-4" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	622.40	70.61
			For Galvanized Steel Door, Add	96.23	
			For Type 304 Stainless Steel Door, Add	384.94	
			For Type 316 Stainless Steel Door, Add	625.52	
			For Embossed Panel Door, Add	115.48	
			For Baked Enamel Finish, Add	165.54	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-34.65	
			For >100, Deduct	-50.21	
			For 2" Thick Door, Add	38.42	
			For Polystyrene Core, Add	48.12	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	120.29	
			For Continuously Welded And Filled Vertical Edge Seam, Add	60.15	
			For Steel Stiffened, Add	120.29	

08 Openings**08 10 Doors and Frames****08 13 Metal Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

08 13 13 13-0056	EA 2'-6" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door.....	638.65	73.82
	For Galvanized Steel Door, Add	98.20	
	For Type 304 Stainless Steel Door, Add	392.81	
	For Type 316 Stainless Steel Door, Add	638.31	
	For Embossed Panel Door, Add	117.84	
	For Baked Enamel Finish, Add	169.45	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-35.62	
	For >100, Deduct	-51.59	
	For 2" Thick Door, Add	39.29	
	For Polystyrene Core, Add	49.10	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	122.75	
	For Continuously Welded And Filled Vertical Edge Seam, Add	61.38	
	For Steel Stiffened, Add	122.75	
08 13 13 13-0057	EA 2'-8" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door.....	645.98	73.82
	For Galvanized Steel Door, Add	99.67	
	For Type 304 Stainless Steel Door, Add	398.67	
	For Type 316 Stainless Steel Door, Add	647.84	
	For Embossed Panel Door, Add	119.60	
	For Baked Enamel Finish, Add	171.65	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-35.99	
	For >100, Deduct	-52.14	
	For 2" Thick Door, Add	39.82	
	For Polystyrene Core, Add	49.83	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	124.59	
	For Continuously Welded And Filled Vertical Edge Seam, Add	62.29	
	For Steel Stiffened, Add	124.59	
08 13 13 13-0058	EA 3' x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	658.26	77.03
	For Galvanized Steel Door, Add	100.84	
	For Type 304 Stainless Steel Door, Add	403.36	
	For Type 316 Stainless Steel Door, Add	655.46	
	For Embossed Panel Door, Add	121.01	
	For Baked Enamel Finish, Add	174.37	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-36.76	
	For >100, Deduct	-53.22	
	For 2" Thick Door, Add	40.41	
	For Polystyrene Core, Add	50.42	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	126.05	
	For Continuously Welded And Filled Vertical Edge Seam, Add	63.03	
	For Steel Stiffened, Add	126.05	
08 13 13 13-0059	EA 3'-4" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	696.37	77.03
	For Galvanized Steel Door, Add	108.46	
	For Type 304 Stainless Steel Door, Add	433.85	
	For Type 316 Stainless Steel Door, Add	705.00	
	For Embossed Panel Door, Add	130.15	
	For Baked Enamel Finish, Add	185.80	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-38.67	
	For >100, Deduct	-56.08	
	For 2" Thick Door, Add	43.17	
	For Polystyrene Core, Add	54.23	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	135.58	
	For Continuously Welded And Filled Vertical Edge Seam, Add	67.79	
	For Steel Stiffened, Add	135.58	
08 13 13 13-0060	EA 3'-6" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	717.45	80.24
	For Galvanized Steel Door, Add	111.39	
	For Type 304 Stainless Steel Door, Add	445.58	
	For Type 316 Stainless Steel Door, Add	724.06	
	For Embossed Panel Door, Add	133.67	
	For Baked Enamel Finish, Add	191.16	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-39.88	
	For >100, Deduct	-57.82	
	For 2" Thick Door, Add	44.39	
	For Polystyrene Core, Add	55.70	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	139.24	
	For Continuously Welded And Filled Vertical Edge Seam, Add	69.62	
	For Steel Stiffened, Add	139.24	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0061	EA		4' x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	788.91	86.66
			For Galvanized Steel Door, Add	123.12	
			For Type 304 Stainless Steel Door, Add	492.47	
			For Type 316 Stainless Steel Door, Add	800.27	
			For Embossed Panel Door, Add	147.74	
			For Baked Enamel Finish, Add	210.68	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-43.78	
			For >100, Deduct	-63.50	
			For 2" Thick Door, Add	48.96	
			For Polystyrene Core, Add	61.56	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	153.90	
			For Continuously Welded And Filled Vertical Edge Seam, Add	76.95	
			For Steel Stiffened, Add	153.90	
08 13 13 13-0062			8' High, 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Doors (08 13 13 13-0032)		
08 13 13 13-0063	EA		2' x 8' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door.....	712.33	70.61
			For Up To 1' Extra Height, Add	158.02	
			For 1' To 1'-6" Extra Height, Add	301.48	
			For Galvanized Steel Door, Add	114.22	
			For Type 304 Stainless Steel Door, Add	456.88	
			For Type 316 Stainless Steel Door, Add	742.43	
			For Embossed Panel Door, Add	137.06	
			For Baked Enamel Finish, Add	192.51	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-39.15	
			For >100, Deduct	-56.96	
			For 2" Thick Door, Add	44.94	
			For Polystyrene Core, Add	57.11	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	142.78	
			For Continuously Welded And Filled Vertical Edge Seam, Add	71.39	
			For Steel Stiffened, Add	142.78	
08 13 13 13-0064	EA		2'-4" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	712.33	70.61
			For Up To 1' Extra Height, Add	158.02	
			For 1' To 1'-6" Extra Height, Add	301.48	
			For Galvanized Steel Door, Add	114.22	
			For Type 304 Stainless Steel Door, Add	456.88	
			For Type 316 Stainless Steel Door, Add	742.43	
			For Embossed Panel Door, Add	137.06	
			For Baked Enamel Finish, Add	192.51	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-39.15	
			For >100, Deduct	-56.96	
			For 2" Thick Door, Add	44.94	
			For Polystyrene Core, Add	57.11	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	142.78	
			For Continuously Welded And Filled Vertical Edge Seam, Add	71.39	
			For Steel Stiffened, Add	142.78	
08 13 13 13-0065	EA		2'-6" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	730.42	73.82
			For Up To 1' Extra Height, Add	161.26	
			For 1' To 1'-6" Extra Height, Add	307.65	
			For Galvanized Steel Door, Add	116.56	
			For Type 304 Stainless Steel Door, Add	466.22	
			For Type 316 Stainless Steel Door, Add	757.61	
			For Embossed Panel Door, Add	139.87	
			For Baked Enamel Finish, Add	196.98	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-40.21	
			For >100, Deduct	-58.47	
			For 2" Thick Door, Add	45.94	
			For Polystyrene Core, Add	58.28	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	145.70	
			For Continuously Welded And Filled Vertical Edge Seam, Add	72.85	
			For Steel Stiffened, Add	145.70	

08 Openings**08 10 Doors and Frames****08 13 Metal Doors**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 13 13 13-0066	EA 2'-8" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	739.11	73.82
	For Up To 1' Extra Height, Add	163.66	
	For 1' To 1'-6" Extra Height, Add	312.24	
	For Galvanized Steel Door, Add	118.29	
	For Type 304 Stainless Steel Door, Add	473.18	
	For Type 316 Stainless Steel Door, Add	768.91	
	For Embossed Panel Door, Add	141.95	
	For Baked Enamel Finish, Add	199.59	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-40.65	
	For >100, Deduct	-59.12	
	For 2" Thick Door, Add	46.57	
	For Polystyrene Core, Add	59.15	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	147.87	
	For Continuously Welded And Filled Vertical Edge Seam, Add	73.93	
	For Steel Stiffened, Add	147.87	
08 13 13 13-0067	EA 2'-10" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	745.80	75.43
	For Up To 1' Extra Height, Add	164.62	
	For 1' To 1'-6" Extra Height, Add	314.07	
	For Galvanized Steel Door, Add	118.99	
	For Type 304 Stainless Steel Door, Add	475.96	
	For Type 316 Stainless Steel Door, Add	773.44	
	For Embossed Panel Door, Add	142.79	
	For Baked Enamel Finish, Add	201.11	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-41.06	
	For >100, Deduct	-59.71	
	For 2" Thick Door, Add	46.91	
	For Polystyrene Core, Add	59.50	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	148.74	
	For Continuously Welded And Filled Vertical Edge Seam, Add	74.37	
	For Steel Stiffened, Add	148.74	
08 13 13 13-0068	EA 3' x 8' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	752.49	77.03
	For Up To 1' Extra Height, Add	165.59	
	For 1' To 1'-6" Extra Height, Add	315.91	
	For Galvanized Steel Door, Add	119.69	
	For Type 304 Stainless Steel Door, Add	478.74	
	For Type 316 Stainless Steel Door, Add	777.96	
	For Embossed Panel Door, Add	143.62	
	For Baked Enamel Finish, Add	202.64	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-41.48	
	For >100, Deduct	-60.29	
	For 2" Thick Door, Add	47.24	
	For Polystyrene Core, Add	59.84	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	149.61	
	For Continuously Welded And Filled Vertical Edge Seam, Add	74.80	
	For Steel Stiffened, Add	149.61	
08 13 13 13-0069	EA 3'-4" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	797.72	77.03
	For Up To 1' Extra Height, Add	178.10	
	For 1' To 1'-6" Extra Height, Add	339.79	
	For Galvanized Steel Door, Add	128.73	
	For Type 304 Stainless Steel Door, Add	514.93	
	For Type 316 Stainless Steel Door, Add	836.76	
	For Embossed Panel Door, Add	154.48	
	For Baked Enamel Finish, Add	216.21	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-43.74	
	For >100, Deduct	-63.68	
	For 2" Thick Door, Add	50.52	
	For Polystyrene Core, Add	64.37	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	160.92	
	For Continuously Welded And Filled Vertical Edge Seam, Add	80.46	
	For Steel Stiffened, Add	160.92	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0070	EA		3'-6" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	821.54	80.24
			For Up To 1' Extra Height, Add	182.92	
			For 1' To 1'-6" Extra Height, Add	348.97	
			For Galvanized Steel Door, Add	132.21	
			For Type 304 Stainless Steel Door, Add	528.85	
			For Type 316 Stainless Steel Door, Add	859.38	
			For Embossed Panel Door, Add	158.65	
			For Baked Enamel Finish, Add	222.39	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-45.09	
			For >100, Deduct	-65.63	
			For 2" Thick Door, Add	51.94	
			For Polystyrene Core, Add	66.11	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	165.27	
			For Continuously Welded And Filled Vertical Edge Seam, Add	82.63	
			For Steel Stiffened, Add	165.27	
08 13 13 13-0071	EA		4' x 8' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door.....	903.96	86.66
			For Up To 1' Extra Height, Add	202.17	
			For 1' To 1'-6" Extra Height, Add	385.70	
			For Galvanized Steel Door, Add	146.13	
			For Type 304 Stainless Steel Door, Add	584.51	
			For Type 316 Stainless Steel Door, Add	949.83	
			For Embossed Panel Door, Add	175.35	
			For Baked Enamel Finish, Add	245.19	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-49.53	
			For >100, Deduct	-72.13	
			For 2" Thick Door, Add	57.30	
			For Polystyrene Core, Add	73.06	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	182.66	
			For Continuously Welded And Filled Vertical Edge Seam, Add	91.33	
			For Steel Stiffened, Add	182.66	
08 13 13 13-0072			16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Doors (08 13 13 13)		
08 13 13 13-0073			6'-8" High, 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Doors (08 13 13 13-0072)		
08 13 13 13-0074	EA		2' x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	777.45	70.61
			For 14 Gauge, Level 4 Maximum Duty, Add	254.49	
			For Galvanized Steel Door, Add	127.24	
			For Type 304 Stainless Steel Door, Add	508.98	
			For Type 316 Stainless Steel Door, Add	827.09	
			For Embossed Panel Door, Add	152.69	
			For Baked Enamel Finish, Add	212.05	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-42.40	
			For >100, Deduct	-61.84	
			For 2" Thick Door, Add	49.66	
			For Polystyrene Core, Add	63.62	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	159.06	
			For Continuously Welded And Filled Vertical Edge Seam, Add	79.53	
			For Steel Stiffened, Add	159.06	
08 13 13 13-0075	EA		2'-4" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	777.45	70.61
			For 14 Gauge, Level 4 Maximum Duty, Add	254.49	
			For Galvanized Steel Door, Add	127.24	
			For Type 304 Stainless Steel Door, Add	508.98	
			For Type 316 Stainless Steel Door, Add	827.09	
			For Embossed Panel Door, Add	152.69	
			For Baked Enamel Finish, Add	212.05	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-42.40	
			For >100, Deduct	-61.84	
			For 2" Thick Door, Add	49.66	
			For Polystyrene Core, Add	63.62	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	159.06	
			For Continuously Welded And Filled Vertical Edge Seam, Add	79.53	
			For Steel Stiffened, Add	159.06	

08 Openings**08 10 Doors and Frames****08 13 Metal Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 13 13 13-0076	EA 2'-6" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	796.87	73.82
	For 14 Gauge, Level 4 Maximum Duty, Add	259.69	
	For Galvanized Steel Door, Add	129.85	
	For Type 304 Stainless Steel Door, Add	519.38	
	For Type 316 Stainless Steel Door, Add	844.00	
	For Embossed Panel Door, Add	155.82	
	For Baked Enamel Finish, Add	216.92	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-43.53	
	For >100, Deduct	-63.46	
	For 2" Thick Door, Add	50.76	
	For Polystyrene Core, Add	64.92	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	162.31	
	For Continuously Welded And Filled Vertical Edge Seam, Add	81.15	
	For Steel Stiffened, Add	162.31	
08 13 13 13-0077	EA 2'-8" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	806.56	73.82
	For 14 Gauge, Level 4 Maximum Duty, Add	263.57	
	For Galvanized Steel Door, Add	131.78	
	For Type 304 Stainless Steel Door, Add	527.14	
	For Type 316 Stainless Steel Door, Add	856.60	
	For Embossed Panel Door, Add	158.14	
	For Baked Enamel Finish, Add	219.82	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-44.02	
	For >100, Deduct	-64.18	
	For 2" Thick Door, Add	51.46	
	For Polystyrene Core, Add	65.89	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	164.73	
	For Continuously Welded And Filled Vertical Edge Seam, Add	82.37	
	For Steel Stiffened, Add	164.73	
08 13 13 13-0078	EA 2'-10" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	813.66	75.43
	For 14 Gauge, Level 4 Maximum Duty, Add	265.12	
	For Galvanized Steel Door, Add	132.56	
	For Type 304 Stainless Steel Door, Add	530.25	
	For Type 316 Stainless Steel Door, Add	861.65	
	For Embossed Panel Door, Add	159.07	
	For Baked Enamel Finish, Add	221.47	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-44.45	
	For >100, Deduct	-64.80	
	For 2" Thick Door, Add	51.82	
	For Polystyrene Core, Add	66.28	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	165.70	
	For Continuously Welded And Filled Vertical Edge Seam, Add	82.85	
	For Steel Stiffened, Add	165.70	
08 13 13 13-0079	EA 3' x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	820.73	77.03
	For 14 Gauge, Level 4 Maximum Duty, Add	266.67	
	For Galvanized Steel Door, Add	133.33	
	For Type 304 Stainless Steel Door, Add	533.34	
	For Type 316 Stainless Steel Door, Add	866.67	
	For Embossed Panel Door, Add	160.00	
	For Baked Enamel Finish, Add	223.11	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-44.89	
	For >100, Deduct	-65.41	
	For 2" Thick Door, Add	52.19	
	For Polystyrene Core, Add	66.67	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	166.67	
	For Continuously Welded And Filled Vertical Edge Seam, Add	83.33	
	For Steel Stiffened, Add	166.67	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0080	EA	3'-4" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	871.12	77.03
		For 14 Gauge, Level 4 Maximum Duty, Add	286.82	
		For Galvanized Steel Door, Add	143.41	
		For Type 304 Stainless Steel Door, Add	573.65	
		For Type 316 Stainless Steel Door, Add	932.18	
		For Embossed Panel Door, Add	172.09	
		For Baked Enamel Finish, Add	238.23	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-47.41	
		For >100, Deduct	-69.19	
		For 2" Thick Door, Add	55.84	
		For Polystyrene Core, Add	71.71	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	179.27	
		For Continuously Welded And Filled Vertical Edge Seam, Add	89.63	
		For Steel Stiffened, Add	179.27	
08 13 13 13-0081	EA	3'-6" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	896.92	80.24
		For 14 Gauge, Level 4 Maximum Duty, Add	294.58	
		For Galvanized Steel Door, Add	147.29	
		For Type 304 Stainless Steel Door, Add	589.15	
		For Type 316 Stainless Steel Door, Add	957.37	
		For Embossed Panel Door, Add	176.75	
		For Baked Enamel Finish, Add	245.00	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-48.86	
		For >100, Deduct	-71.28	
		For 2" Thick Door, Add	57.40	
		For Polystyrene Core, Add	73.64	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	184.11	
		For Continuously Welded And Filled Vertical Edge Seam, Add	92.06	
		For Steel Stiffened, Add	184.11	
08 13 13 13-0082	EA	4' x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	987.28	86.66
		For 14 Gauge, Level 4 Maximum Duty, Add	325.58	
		For Galvanized Steel Door, Add	162.79	
		For Type 304 Stainless Steel Door, Add	651.17	
		For Type 316 Stainless Steel Door, Add	1,058.15	
		For Embossed Panel Door, Add	195.35	
		For Baked Enamel Finish, Add	270.19	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-53.70	
		For >100, Deduct	-78.38	
		For 2" Thick Door, Add	63.35	
		For Polystyrene Core, Add	81.40	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	203.49	
		For Continuously Welded And Filled Vertical Edge Seam, Add	101.75	
		For Steel Stiffened, Add	203.49	
08 13 13 13-0083		7' High, 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Doors (08 13 13 13-0072)		
08 13 13 13-0084	EA	2' x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	792.55	70.61
		For 14 Gauge, Level 4 Maximum Duty, Add	260.53	
		For Galvanized Steel Door, Add	130.26	
		For Type 304 Stainless Steel Door, Add	521.06	
		For Type 316 Stainless Steel Door, Add	846.72	
		For Embossed Panel Door, Add	156.32	
		For Baked Enamel Finish, Add	216.58	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-43.16	
		For >100, Deduct	-62.97	
		For 2" Thick Door, Add	50.75	
		For Polystyrene Core, Add	65.13	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	162.83	
		For Continuously Welded And Filled Vertical Edge Seam, Add	81.42	
		For Steel Stiffened, Add	162.83	

08 Openings**08 10 Doors and Frames****08 13 Metal Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 13 13 13-0085	EA 2'-4" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door.....	792.55	70.61
	For 14 Gauge, Level 4 Maximum Duty, Add	260.53	
	For Galvanized Steel Door, Add	130.26	
	For Type 304 Stainless Steel Door, Add	521.06	
	For Type 316 Stainless Steel Door, Add	846.72	
	For Embossed Panel Door, Add	156.32	
	For Baked Enamel Finish, Add	216.58	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-43.16	
	For >100, Deduct	-62.97	
	For 2" Thick Door, Add	50.75	
	For Polystyrene Core, Add	65.13	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	162.83	
	For Continuously Welded And Filled Vertical Edge Seam, Add	81.42	
	For Steel Stiffened, Add	162.83	
08 13 13 13-0086	EA 2'-6" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door.....	812.28	73.82
	For 14 Gauge, Level 4 Maximum Duty, Add	265.86	
	For Galvanized Steel Door, Add	132.93	
	For Type 304 Stainless Steel Door, Add	531.71	
	For Type 316 Stainless Steel Door, Add	864.03	
	For Embossed Panel Door, Add	159.51	
	For Baked Enamel Finish, Add	221.54	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-44.31	
	For >100, Deduct	-64.61	
	For 2" Thick Door, Add	51.88	
	For Polystyrene Core, Add	66.46	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	166.16	
	For Continuously Welded And Filled Vertical Edge Seam, Add	83.08	
	For Steel Stiffened, Add	166.16	
08 13 13 13-0087	EA 2'-8" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door.....	822.20	73.82
	For 14 Gauge, Level 4 Maximum Duty, Add	269.82	
	For Galvanized Steel Door, Add	134.91	
	For Type 304 Stainless Steel Door, Add	539.65	
	For Type 316 Stainless Steel Door, Add	876.93	
	For Embossed Panel Door, Add	161.89	
	For Baked Enamel Finish, Add	224.51	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-44.80	
	For >100, Deduct	-65.36	
	For 2" Thick Door, Add	52.60	
	For Polystyrene Core, Add	67.46	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	168.64	
	For Continuously Welded And Filled Vertical Edge Seam, Add	84.32	
	For Steel Stiffened, Add	168.64	
08 13 13 13-0088	EA 2'-10" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door.....	829.38	75.43
	For 14 Gauge, Level 4 Maximum Duty, Add	271.41	
	For Galvanized Steel Door, Add	135.71	
	For Type 304 Stainless Steel Door, Add	542.82	
	For Type 316 Stainless Steel Door, Add	882.09	
	For Embossed Panel Door, Add	162.85	
	For Baked Enamel Finish, Add	226.19	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-45.24	
	For >100, Deduct	-65.97	
	For 2" Thick Door, Add	52.96	
	For Polystyrene Core, Add	67.85	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	169.63	
	For Continuously Welded And Filled Vertical Edge Seam, Add	84.82	
	For Steel Stiffened, Add	169.63	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0089	EA	3' x 7' x 1-3/4"	16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	836.55	77.03
			For 14 Gauge, Level 4 Maximum Duty, Add	273.00	
			For Galvanized Steel Door, Add	136.50	
			For Type 304 Stainless Steel Door, Add	545.99	
			For Type 316 Stainless Steel Door, Add	887.24	
			For Embossed Panel Door, Add	163.80	
			For Baked Enamel Finish, Add	227.86	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-45.68	
			For >100, Deduct	-66.59	
			For 2" Thick Door, Add	53.33	
			For Polystyrene Core, Add	68.25	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	170.62	
			For Continuously Welded And Filled Vertical Edge Seam, Add	85.31	
			For Steel Stiffened, Add	170.62	
08 13 13 13-0090	EA	3'-4" x 7' x 1-3/4"	16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	888.14	77.03
			For 14 Gauge, Level 4 Maximum Duty, Add	293.63	
			For Galvanized Steel Door, Add	146.82	
			For Type 304 Stainless Steel Door, Add	587.26	
			For Type 316 Stainless Steel Door, Add	954.30	
			For Embossed Panel Door, Add	176.18	
			For Baked Enamel Finish, Add	243.33	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-48.26	
			For >100, Deduct	-70.46	
			For 2" Thick Door, Add	57.07	
			For Polystyrene Core, Add	73.41	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	183.52	
			For Continuously Welded And Filled Vertical Edge Seam, Add	91.76	
			For Steel Stiffened, Add	183.52	
08 13 13 13-0091	EA	3'-6" x 7' x 1-3/4"	16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	914.40	80.24
			For 14 Gauge, Level 4 Maximum Duty, Add	301.57	
			For Galvanized Steel Door, Add	150.78	
			For Type 304 Stainless Steel Door, Add	603.14	
			For Type 316 Stainless Steel Door, Add	980.10	
			For Embossed Panel Door, Add	180.94	
			For Baked Enamel Finish, Add	250.25	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-49.73	
			For >100, Deduct	-72.59	
			For 2" Thick Door, Add	58.67	
			For Polystyrene Core, Add	75.39	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	188.48	
			For Continuously Welded And Filled Vertical Edge Seam, Add	94.24	
			For Steel Stiffened, Add	188.48	
08 13 13 13-0092	EA	4' x 7' x 1-3/4"	16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	1,006.60	86.66
			For 14 Gauge, Level 4 Maximum Duty, Add	333.31	
			For Galvanized Steel Door, Add	166.66	
			For Type 304 Stainless Steel Door, Add	666.62	
			For Type 316 Stainless Steel Door, Add	1,083.26	
			For Embossed Panel Door, Add	199.99	
			For Baked Enamel Finish, Add	275.98	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-54.66	
			For >100, Deduct	-79.83	
			For 2" Thick Door, Add	64.75	
			For Polystyrene Core, Add	83.33	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	208.32	
			For Continuously Welded And Filled Vertical Edge Seam, Add	104.16	
			For Steel Stiffened, Add	208.32	
08 13 13 13-0093		7'-2" High, 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow			
		Metal Doors (08 13 13 13-0072)			

08 Openings**08 10 Doors and Frames****08 13 Metal Doors**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 13 13 13-0094	EA 2' x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door.....	807.65	70.61
	For 14 Gauge, Level 4 Maximum Duty, Add	266.57	
	For Galvanized Steel Door, Add	133.28	
	For Type 304 Stainless Steel Door, Add	533.14	
	For Type 316 Stainless Steel Door, Add	866.35	
	For Embossed Panel Door, Add	159.94	
	For Baked Enamel Finish, Add	221.11	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-43.91	
	For >100, Deduct	-64.10	
	For 2" Thick Door, Add	51.85	
	For Polystyrene Core, Add	66.64	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	166.61	
	For Continuously Welded And Filled Vertical Edge Seam, Add	83.30	
	For Steel Stiffened, Add	166.61	
08 13 13 13-0095	EA 2'-4" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	807.65	70.61
	For 14 Gauge, Level 4 Maximum Duty, Add	266.57	
	For Galvanized Steel Door, Add	133.28	
	For Type 304 Stainless Steel Door, Add	533.14	
	For Type 316 Stainless Steel Door, Add	866.35	
	For Embossed Panel Door, Add	159.94	
	For Baked Enamel Finish, Add	221.11	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-43.91	
	For >100, Deduct	-64.10	
	For 2" Thick Door, Add	51.85	
	For Polystyrene Core, Add	66.64	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	166.61	
	For Continuously Welded And Filled Vertical Edge Seam, Add	83.30	
	For Steel Stiffened, Add	166.61	
08 13 13 13-0096	EA 2'-6" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	827.69	73.82
	For 14 Gauge, Level 4 Maximum Duty, Add	272.02	
	For Galvanized Steel Door, Add	136.01	
	For Type 304 Stainless Steel Door, Add	544.04	
	For Type 316 Stainless Steel Door, Add	884.07	
	For Embossed Panel Door, Add	163.21	
	For Baked Enamel Finish, Add	226.16	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-45.08	
	For >100, Deduct	-65.77	
	For 2" Thick Door, Add	52.99	
	For Polystyrene Core, Add	68.01	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	170.01	
	For Continuously Welded And Filled Vertical Edge Seam, Add	85.01	
	For Steel Stiffened, Add	170.01	
08 13 13 13-0097	EA 2'-8" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	837.84	73.82
	For 14 Gauge, Level 4 Maximum Duty, Add	276.08	
	For Galvanized Steel Door, Add	138.04	
	For Type 304 Stainless Steel Door, Add	552.16	
	For Type 316 Stainless Steel Door, Add	897.26	
	For Embossed Panel Door, Add	165.65	
	For Baked Enamel Finish, Add	229.21	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-45.58	
	For >100, Deduct	-66.53	
	For 2" Thick Door, Add	53.73	
	For Polystyrene Core, Add	69.02	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	172.55	
	For Continuously Welded And Filled Vertical Edge Seam, Add	86.28	
	For Steel Stiffened, Add	172.55	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0098	EA		2'-10" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	845.12	75.43
			For 14 Gauge, Level 4 Maximum Duty, Add	277.71	
			For Galvanized Steel Door, Add	138.85	
			For Type 304 Stainless Steel Door, Add	555.42	
			For Type 316 Stainless Steel Door, Add	902.55	
			For Embossed Panel Door, Add	166.62	
			For Baked Enamel Finish, Add	230.91	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-46.03	
			For >100, Deduct	-67.16	
			For 2" Thick Door, Add	54.11	
			For Polystyrene Core, Add	69.43	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	173.57	
			For Continuously Welded And Filled Vertical Edge Seam, Add	86.78	
			For Steel Stiffened, Add	173.57	
08 13 13 13-0099	EA		3' x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	852.38	77.03
			For 14 Gauge, Level 4 Maximum Duty, Add	279.33	
			For Galvanized Steel Door, Add	139.66	
			For Type 304 Stainless Steel Door, Add	558.66	
			For Type 316 Stainless Steel Door, Add	907.82	
			For Embossed Panel Door, Add	167.60	
			For Baked Enamel Finish, Add	232.61	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-46.47	
			For >100, Deduct	-67.78	
			For 2" Thick Door, Add	54.48	
			For Polystyrene Core, Add	69.83	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	174.58	
			For Continuously Welded And Filled Vertical Edge Seam, Add	87.29	
			For Steel Stiffened, Add	174.58	
08 13 13 13-0100	EA		3'-4" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	905.16	77.03
			For 14 Gauge, Level 4 Maximum Duty, Add	300.44	
			For Galvanized Steel Door, Add	150.22	
			For Type 304 Stainless Steel Door, Add	600.88	
			For Type 316 Stainless Steel Door, Add	976.43	
			For Embossed Panel Door, Add	180.26	
			For Baked Enamel Finish, Add	248.44	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-49.11	
			For >100, Deduct	-71.74	
			For 2" Thick Door, Add	58.31	
			For Polystyrene Core, Add	75.11	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	187.78	
			For Continuously Welded And Filled Vertical Edge Seam, Add	93.89	
			For Steel Stiffened, Add	187.78	
08 13 13 13-0101	EA		3'-6" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	931.88	80.24
			For 14 Gauge, Level 4 Maximum Duty, Add	308.56	
			For Galvanized Steel Door, Add	154.28	
			For Type 304 Stainless Steel Door, Add	617.12	
			For Type 316 Stainless Steel Door, Add	1,002.82	
			For Embossed Panel Door, Add	185.14	
			For Baked Enamel Finish, Add	255.49	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-50.61	
			For >100, Deduct	-73.90	
			For 2" Thick Door, Add	59.94	
			For Polystyrene Core, Add	77.14	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	192.85	
			For Continuously Welded And Filled Vertical Edge Seam, Add	96.43	
			For Steel Stiffened, Add	192.85	

08 Openings**08 10 Doors and Frames****08 13 Metal Doors**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 13 13 13-0102	EA	4' x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door.....	1,025.92	86.66
		For 14 Gauge, Level 4 Maximum Duty, Add	341.04	
		For Galvanized Steel Door, Add	170.52	
		For Type 304 Stainless Steel Door, Add	682.08	
		For Type 316 Stainless Steel Door, Add	1,108.38	
		For Embossed Panel Door, Add	204.62	
		For Baked Enamel Finish, Add	281.78	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-55.63	
		For >100, Deduct	-81.28	
		For 2" Thick Door, Add	66.15	
		For Polystyrene Core, Add	85.26	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	213.15	
		For Continuously Welded And Filled Vertical Edge Seam, Add	106.58	
		For Steel Stiffened, Add	213.15	

08 13 13 13-0103 8' High, 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Doors
(08 13 13 13-0072)

08 13 13 13-0104	EA	2' x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	932.20	70.61
		For Up To 1' Extra Height, Add	218.86	
		For 14 Gauge, Level 4 Maximum Duty, Add	316.39	
		For Galvanized Steel Door, Add	158.19	
		For Type 304 Stainless Steel Door, Add	632.78	
		For Type 316 Stainless Steel Door, Add	1,028.26	
		For Embossed Panel Door, Add	189.83	
		For Baked Enamel Finish, Add	258.48	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-50.14	
		For >100, Deduct	-73.45	
		For 2" Thick Door, Add	60.88	
		For Polystyrene Core, Add	79.10	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	197.74	
		For Continuously Welded And Filled Vertical Edge Seam, Add	98.87	
		For Steel Stiffened, Add	197.74	
08 13 13 13-0105	EA	2'-4" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	932.20	70.61
		For Up To 1' Extra Height, Add	218.86	
		For 14 Gauge, Level 4 Maximum Duty, Add	316.39	
		For Galvanized Steel Door, Add	158.19	
		For Type 304 Stainless Steel Door, Add	632.78	
		For Type 316 Stainless Steel Door, Add	1,028.26	
		For Embossed Panel Door, Add	189.83	
		For Baked Enamel Finish, Add	258.48	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-50.14	
		For >100, Deduct	-73.45	
		For 2" Thick Door, Add	60.88	
		For Polystyrene Core, Add	79.10	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	197.74	
		For Continuously Welded And Filled Vertical Edge Seam, Add	98.87	
		For Steel Stiffened, Add	197.74	
08 13 13 13-0106	EA	2'-6" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	954.79	73.82
		For Up To 1' Extra Height, Add	223.34	
		For 14 Gauge, Level 4 Maximum Duty, Add	322.86	
		For Galvanized Steel Door, Add	161.43	
		For Type 304 Stainless Steel Door, Add	645.72	
		For Type 316 Stainless Steel Door, Add	1,049.30	
		For Embossed Panel Door, Add	193.72	
		For Baked Enamel Finish, Add	264.29	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-51.43	
		For >100, Deduct	-75.30	
		For 2" Thick Door, Add	62.21	
		For Polystyrene Core, Add	80.72	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	201.79	
		For Continuously Welded And Filled Vertical Edge Seam, Add	100.89	
		For Steel Stiffened, Add	201.79	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0107	EA		2'-8" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door.....	966.83	73.82
			For Up To 1' Extra Height, Add	226.67	
			For 14 Gauge, Level 4 Maximum Duty, Add	327.68	
			For Galvanized Steel Door, Add	163.84	
			For Type 304 Stainless Steel Door, Add	655.35	
			For Type 316 Stainless Steel Door, Add	1,064.95	
			For Embossed Panel Door, Add	196.61	
			For Baked Enamel Finish, Add	267.90	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-52.03	
			For >100, Deduct	-76.20	
			For 2" Thick Door, Add	63.08	
			For Polystyrene Core, Add	81.92	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	204.00	
			For Continuously Welded And Filled Vertical Edge Seam, Add	102.40	
			For Steel Stiffened, Add	204.80	
08 13 13 13-0108	EA		2'-10" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door.....	974.86	75.43
			For Up To 1' Extra Height, Add	228.00	
			For 14 Gauge, Level 4 Maximum Duty, Add	329.60	
			For Galvanized Steel Door, Add	164.80	
			For Type 304 Stainless Steel Door, Add	659.21	
			For Type 316 Stainless Steel Door, Add	1,071.21	
			For Embossed Panel Door, Add	197.76	
			For Baked Enamel Finish, Add	269.83	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-52.51	
			For >100, Deduct	-76.89	
			For 2" Thick Door, Add	63.51	
			For Polystyrene Core, Add	82.40	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	206.00	
			For Continuously Welded And Filled Vertical Edge Seam, Add	103.00	
			For Steel Stiffened, Add	206.00	
08 13 13 13-0109	EA		3' x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	982.88	77.03
			For Up To 1' Extra Height, Add	229.33	
			For 14 Gauge, Level 4 Maximum Duty, Add	331.53	
			For Galvanized Steel Door, Add	165.76	
			For Type 304 Stainless Steel Door, Add	663.06	
			For Type 316 Stainless Steel Door, Add	1,077.47	
			For Embossed Panel Door, Add	198.92	
			For Baked Enamel Finish, Add	271.76	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-53.00	
			For >100, Deduct	-77.57	
			For 2" Thick Door, Add	63.94	
			For Polystyrene Core, Add	82.88	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	207.21	
			For Continuously Welded And Filled Vertical Edge Seam, Add	103.60	
			For Steel Stiffened, Add	207.21	
08 13 13 13-0110	EA		3'-4" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door.....	1,045.53	77.03
			For Up To 1' Extra Height, Add	246.67	
			For 14 Gauge, Level 4 Maximum Duty, Add	356.59	
			For Galvanized Steel Door, Add	178.29	
			For Type 304 Stainless Steel Door, Add	713.18	
			For Type 316 Stainless Steel Door, Add	1,158.91	
			For Embossed Panel Door, Add	213.95	
			For Baked Enamel Finish, Add	290.55	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-56.13	
			For >100, Deduct	-82.27	
			For 2" Thick Door, Add	68.48	
			For Polystyrene Core, Add	89.15	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	222.87	
			For Continuously Welded And Filled Vertical Edge Seam, Add	111.43	
			For Steel Stiffened, Add	222.87	

08 Openings**08 10 Doors and Frames****08 13 Metal Doors**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 13 13 13-0111	EA	3'-6" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door.....	1,076.05	80.24
		For Up To 1' Extra Height, Add	253.34	
		For 1' To 1'-6" Extra Height, Add	483.33	
		For 14 Gauge, Level 4 Maximum Duty, Add	366.23	
		For Galvanized Steel Door, Add	183.11	
		For Type 304 Stainless Steel Door, Add	732.46	
		For Type 316 Stainless Steel Door, Add	1,190.24	
		For Embossed Panel Door, Add	219.74	
		For Baked Enamel Finish, Add	298.74	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-57.81	
		For >100, Deduct	-84.72	
		For 2" Thick Door, Add	70.39	
		For Polystyrene Core, Add	91.56	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	228.89	
		For Continuously Welded And Filled Vertical Edge Seam, Add	114.45	
		For Steel Stiffened, Add	228.89	
08 13 13 13-0112	EA	4' x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	1,185.26	86.66
		For Up To 1' Extra Height, Add	280.00	
		For 1' To 1'-6" Extra Height, Add	534.20	
		For 14 Gauge, Level 4 Maximum Duty, Add	404.78	
		For Galvanized Steel Door, Add	202.39	
		For Type 304 Stainless Steel Door, Add	809.55	
		For Type 316 Stainless Steel Door, Add	1,315.52	
		For Embossed Panel Door, Add	242.87	
		For Baked Enamel Finish, Add	329.58	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-63.60	
		For >100, Deduct	-93.23	
		For 2" Thick Door, Add	77.70	
		For Polystyrene Core, Add	101.19	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	252.99	
		For Continuously Welded And Filled Vertical Edge Seam, Add	126.49	
		For Steel Stiffened, Add	252.99	

08 13 13 53 Custom Hollow Metal Doors (08 13 13)

08 13 13 53-0001		Steel 18 Gauge 1-3/4" Unrated Door (08 13 13 53)		
08 13 13 53-0002	EA	2'-2" Or 2'-4" x 6'-9" x 1-3/4", 18 Gauge, Unrated, With Semicircular Head, Hollow Metal Door.....	1,731.04	160.48
		For 16 Gauge Door, Add	20.30	
08 13 13 53-0003	EA	2'-6" x 6'-9" x 1-3/4", 18 Gauge, Unrated, With Semicircular Head, Hollow Metal Door.....	1,817.96	192.58
		For 16 Gauge Door, Add	20.30	

08 13 73 Sliding Metal Doors (08 13)

08 13 73 00-0001		Sliding Bypass Mirror Doors (08 13 73)		
		Note: Includes 3.0 mm thick, steel frameless safety backed mirrors with anti-jump rollers and guides.		
08 13 73 00-0002	EA	4' x 6' 8", Sliding Bypass Mirror Doors	678.21	96.29
08 13 73 00-0003	EA	5' x 6' 8", Sliding Bypass Mirror Doors	775.51	102.71
08 13 73 00-0004	EA	6' x 6' 8", Sliding Bypass Mirror Doors	872.81	109.13
08 13 73 00-0005	EA	8' x 6' 8", Sliding Bypass Mirror Doors	1,054.56	115.55

08 14 Wood Doors (08 10)

Note: Includes machining for all hardware, except mortised locks. Excludes frames, finish hardware (unless note states included).
See CSI section 08 05 13 00-0040 for mortise preparation, 08 70 00 00-0000 for finish hardware.

08 14 16 Flush Wood Doors (08 14)

08 14 16 00-0001		1-3/8" Thick, Hollow Core (HC), Wood Doors (08 14 16)		
08 14 16 00-0002		Birch Faced Wood Door (08 14 16 00-0001)		
08 14 16 00-0003	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	263.03	70.61
		For >50 To 100, Deduct	-16.68	
		For >100, Deduct	-23.26	
08 14 16 00-0004	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	263.03	70.61
		For >50 To 100, Deduct	-16.68	
		For >100, Deduct	-23.26	
08 14 16 00-0005	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	278.07	73.82
		For >50 To 100, Deduct	-17.59	
		For >100, Deduct	-24.55	
08 14 16 00-0006	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	284.42	73.82
		For >50 To 100, Deduct	-17.91	
		For >100, Deduct	-25.02	
08 14 16 00-0007	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	285.90	73.82
		For >50 To 100, Deduct	-17.99	
		For >100, Deduct	-25.13	
08 14 16 00-0008	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	293.08	77.03
		For >50 To 100, Deduct	-18.51	
		For >100, Deduct	-25.83	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0009	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	306.65	77.03	
		For >50 To 100, Deduct	-19.18		
		For >100, Deduct	-26.85		
08 14 16 00-0010	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	322.84	80.24	
		For >50 To 100, Deduct	-20.15		
		For >100, Deduct	-28.23		
08 14 16 00-0011	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	270.13	70.61	
		For >50 To 100, Deduct	-17.04		
		For >100, Deduct	-23.79		
08 14 16 00-0012	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	270.13	70.61	
		For >50 To 100, Deduct	-17.04		
		For >100, Deduct	-23.79		
08 14 16 00-0013	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	285.67	73.82	
		For >50 To 100, Deduct	-17.97		
		For >100, Deduct	-25.12		
08 14 16 00-0014	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	292.39	73.82	
		For >50 To 100, Deduct	-18.31		
		For >100, Deduct	-25.62		
08 14 16 00-0015	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	293.96	73.82	
		For >50 To 100, Deduct	-18.39		
		For >100, Deduct	-25.74		
08 14 16 00-0016	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	301.16	77.03	
		For >50 To 100, Deduct	-18.91		
		For >100, Deduct	-26.44		
08 14 16 00-0017	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	315.53	77.03	
		For >50 To 100, Deduct	-19.63		
		For >100, Deduct	-27.52		
08 14 16 00-0018	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	332.28	80.24	
		For >50 To 100, Deduct	-20.63		
		For >100, Deduct	-28.93		
08 14 16 00-0019	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	295.26	70.61	
		For >50 To 100, Deduct	-18.29		
		For >100, Deduct	-25.68		
		For 9' Door Height, Add	32.35		
08 14 16 00-0020	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	295.26	70.61	
		For >50 To 100, Deduct	-18.29		
		For >100, Deduct	-25.68		
		For 9' Door Height, Add	32.35		
08 14 16 00-0021	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	312.59	73.82	
		For >50 To 100, Deduct	-19.32		
		For >100, Deduct	-27.14		
		For 9' Door Height, Add	34.64		
08 14 16 00-0022	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	320.60	73.82	
		For >50 To 100, Deduct	-19.72		
		For >100, Deduct	-27.74		
		For 9' Door Height, Add	36.32		
08 14 16 00-0023	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	322.49	73.82	
		For >50 To 100, Deduct	-19.82		
		For >100, Deduct	-27.88		
		For 9' Door Height, Add	36.72		
08 14 16 00-0024	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	329.84	77.03	
		For >50 To 100, Deduct	-20.34		
		For >100, Deduct	-28.59		
		For 9' Door Height, Add	36.91		
08 14 16 00-0025	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	347.01	77.03	
		For >50 To 100, Deduct	-21.20		
		For >100, Deduct	-29.88		
		For 9' Door Height, Add	40.52		
08 14 16 00-0026	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	365.77	80.24	
		For >50 To 100, Deduct	-22.30		
		For >100, Deduct	-31.44		
		For 9' Door Height, Add	43.11		
08 14 16 00-0027	Oak Faced Wood Door (08 14 16 00-0001)				
08 14 16 00-0028	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	327.23	70.61	
		For >50 To 100, Deduct	-19.89		
		For >100, Deduct	-28.07		
08 14 16 00-0029	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	327.23	70.61	
		For >50 To 100, Deduct	-19.89		
		For >100, Deduct	-28.07		
08 14 16 00-0030	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	346.82	73.82	
		For >50 To 100, Deduct	-21.03		
		For >100, Deduct	-29.70		
08 14 16 00-0031	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	356.52	73.82	
		For >50 To 100, Deduct	-21.52		
		For >100, Deduct	-30.43		
08 14 16 00-0032	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	358.23	73.82	
		For >50 To 100, Deduct	-21.60		
		For >100, Deduct	-30.56		
08 14 16 00-0033	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	366.36	77.03	
		For >50 To 100, Deduct	-22.17		
		For >100, Deduct	-31.33		
08 14 16 00-0034	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	387.06	77.03	
		For >50 To 100, Deduct	-23.20		
		For >100, Deduct	-32.88		
08 14 16 00-0035	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	408.41	80.24	
		For >50 To 100, Deduct	-24.43		
		For >100, Deduct	-34.64		

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 14 16 00-0036	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	338.05	70.61
		For >50 To 100, Deduct	-20.43	
		For >100, Deduct	-28.88	
08 14 16 00-0037	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	338.05	70.61
		For >50 To 100, Deduct	-20.43	
		For >100, Deduct	-28.88	
08 14 16 00-0038	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	358.42	73.82
		For >50 To 100, Deduct	-21.61	
		For >100, Deduct	-30.57	
08 14 16 00-0039	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	368.68	73.82
		For >50 To 100, Deduct	-22.13	
		For >100, Deduct	-31.34	
08 14 16 00-0040	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	370.48	73.82
		For >50 To 100, Deduct	-22.22	
		For >100, Deduct	-31.48	
08 14 16 00-0041	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	378.70	77.03
		For >50 To 100, Deduct	-22.79	
		For >100, Deduct	-32.25	
08 14 16 00-0042	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	400.62	77.03
		For >50 To 100, Deduct	-23.88	
		For >100, Deduct	-33.90	
08 14 16 00-0043	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	422.83	80.24
		For >50 To 100, Deduct	-25.15	
		For >100, Deduct	-35.72	
08 14 16 00-0044	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	376.44	70.61
		For >50 To 100, Deduct	-22.35	
		For >100, Deduct	-31.76	
		For 9' Door Height, Add	49.39	
08 14 16 00-0045	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	376.44	70.61
		For >50 To 100, Deduct	-22.35	
		For >100, Deduct	-31.76	
		For 9' Door Height, Add	49.39	
08 14 16 00-0046	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	399.52	73.82
		For >50 To 100, Deduct	-23.67	
		For >100, Deduct	-33.66	
		For 9' Door Height, Add	52.89	
08 14 16 00-0047	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	411.76	73.82
		For >50 To 100, Deduct	-24.28	
		For >100, Deduct	-34.57	
		For 9' Door Height, Add	55.47	
08 14 16 00-0048	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	413.94	73.82
		For >50 To 100, Deduct	-24.39	
		For >100, Deduct	-34.74	
		For 9' Door Height, Add	55.92	
08 14 16 00-0049	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	422.50	77.03
		For >50 To 100, Deduct	-24.98	
		For >100, Deduct	-35.54	
		For 9' Door Height, Add	56.37	
08 14 16 00-0050	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	448.71	77.03
		For >50 To 100, Deduct	-26.29	
		For >100, Deduct	-37.50	
		For 9' Door Height, Add	61.88	
08 14 16 00-0051	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	474.00	80.24
		For >50 To 100, Deduct	-27.71	
		For >100, Deduct	-39.56	
		For 9' Door Height, Add	65.84	

08 14 16 00-0052 Maple Faced Wood Door (08 14 16 00-0001)

08 14 16 00-0053	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	322.02	70.61
		For >50 To 100, Deduct	-19.63	
		For >100, Deduct	-27.68	
08 14 16 00-0054	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	322.02	70.61
		For >50 To 100, Deduct	-19.63	
		For >100, Deduct	-27.68	
08 14 16 00-0055	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	341.22	73.82
		For >50 To 100, Deduct	-20.75	
		For >100, Deduct	-29.28	
08 14 16 00-0056	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	350.67	73.82
		For >50 To 100, Deduct	-21.22	
		For >100, Deduct	-29.99	
08 14 16 00-0057	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	352.33	73.82
		For >50 To 100, Deduct	-21.31	
		For >100, Deduct	-30.12	
08 14 16 00-0058	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	360.41	77.03
		For >50 To 100, Deduct	-21.87	
		For >100, Deduct	-30.88	
08 14 16 00-0059	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	380.53	77.03
		For >50 To 100, Deduct	-22.88	
		For >100, Deduct	-32.39	
08 14 16 00-0060	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	401.45	80.24
		For >50 To 100, Deduct	-24.08	
		For >100, Deduct	-34.12	
08 14 16 00-0061	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	332.52	70.61
		For >50 To 100, Deduct	-20.16	
		For >100, Deduct	-28.47	
08 14 16 00-0062	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	332.52	70.61
		For >50 To 100, Deduct	-20.16	
		For >100, Deduct	-28.47	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0063	EA		2'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	352.50	73.82
			For >50 To 100, Deduct	-21.32	
			For >100, Deduct	-30.13	
08 14 16 00-0064	EA		2'-8" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	362.48	73.82
			For >50 To 100, Deduct	-21.82	
			For >100, Deduct	-30.88	
08 14 16 00-0065	EA		2'-10" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	364.24	73.82
			For >50 To 100, Deduct	-21.90	
			For >100, Deduct	-31.01	
08 14 16 00-0066	EA		3'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	372.40	77.03
			For >50 To 100, Deduct	-22.47	
			For >100, Deduct	-31.78	
08 14 16 00-0067	EA		3'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	393.70	77.03
			For >50 To 100, Deduct	-23.54	
			For >100, Deduct	-33.38	
08 14 16 00-0068	EA		3'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	415.48	80.24
			For >50 To 100, Deduct	-24.79	
			For >100, Deduct	-35.17	
08 14 16 00-0069	EA		2'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	369.84	70.61
			For >50 To 100, Deduct	-22.02	
			For >100, Deduct	-31.27	
			For 9' Door Height, Add	48.01	
08 14 16 00-0070	EA		2'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	369.84	70.61
			For >50 To 100, Deduct	-22.02	
			For >100, Deduct	-31.27	
			For 9' Door Height, Add	48.01	
08 14 16 00-0071	EA		2'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	392.44	73.82
			For >50 To 100, Deduct	-23.31	
			For >100, Deduct	-33.12	
			For 9' Door Height, Add	51.41	
08 14 16 00-0072	EA		2'-8" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	404.35	73.82
			For >50 To 100, Deduct	-23.91	
			For >100, Deduct	-34.02	
			For 9' Door Height, Add	53.91	
08 14 16 00-0073	EA		2'-10" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	406.47	73.82
			For >50 To 100, Deduct	-24.01	
			For >100, Deduct	-34.18	
			For 9' Door Height, Add	54.35	
08 14 16 00-0074	EA		3'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	414.98	77.03
			For >50 To 100, Deduct	-24.60	
			For >100, Deduct	-34.98	
			For 9' Door Height, Add	54.79	
08 14 16 00-0075	EA		3'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	440.46	77.03
			For >50 To 100, Deduct	-25.87	
			For >100, Deduct	-36.89	
			For 9' Door Height, Add	60.14	
08 14 16 00-0076	EA		3'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	465.21	80.24
			For >50 To 100, Deduct	-27.27	
			For >100, Deduct	-38.90	
			For 9' Door Height, Add	63.99	
08 14 16 00-0077 Lauan Faced Wood Doors (08 14 16 00-0001)					
08 14 16 00-0078	EA		2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	228.80	70.61
			For >50 To 100, Deduct	-14.97	
			For >100, Deduct	-20.69	
08 14 16 00-0079	EA		2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	228.80	70.61
			For >50 To 100, Deduct	-14.97	
			For >100, Deduct	-20.69	
08 14 16 00-0080	EA		2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	241.15	73.82
			For >50 To 100, Deduct	-15.75	
			For >100, Deduct	-21.78	
08 14 16 00-0081	EA		2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	246.16	73.82
			For >50 To 100, Deduct	-16.00	
			For >100, Deduct	-22.15	
08 14 16 00-0082	EA		2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	247.93	73.82
			For >50 To 100, Deduct	-16.09	
			For >100, Deduct	-22.29	
08 14 16 00-0083	EA		3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	256.11	77.03
			For >50 To 100, Deduct	-16.66	
			For >100, Deduct	-23.06	
08 14 16 00-0084	EA		3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	265.87	77.03
			For >50 To 100, Deduct	-17.15	
			For >100, Deduct	-23.79	
08 14 16 00-0085	EA		3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	279.46	80.24
			For >50 To 100, Deduct	-17.99	
			For >100, Deduct	-24.97	
08 14 16 00-0086	EA		2'-0" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	233.90	70.61
			For >50 To 100, Deduct	-15.23	
			For >100, Deduct	-21.07	
08 14 16 00-0087	EA		2'-4" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	237.59	70.61
			For >50 To 100, Deduct	-15.41	
			For >100, Deduct	-21.35	
08 14 16 00-0088	EA		2'-6" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	246.59	73.82
			For >50 To 100, Deduct	-16.02	
			For >100, Deduct	-22.19	
08 14 16 00-0089	EA		2'-8" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	251.89	73.82
			For >50 To 100, Deduct	-16.29	
			For >100, Deduct	-22.58	

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 14 16 00-0090	EA 2'-10" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	258.00	73.82
	For >50 To 100, Deduct	-16.59	
	For >100, Deduct	-23.04	
08 14 16 00-0091	EA 3'-0" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	262.05	77.03
	For >50 To 100, Deduct	-16.95	
	For >100, Deduct	-23.51	
08 14 16 00-0092	EA 3'-4" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	272.38	77.03
	For >50 To 100, Deduct	-17.47	
	For >100, Deduct	-24.28	
08 14 16 00-0093	EA 3'-6" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	291.40	80.24
	For >50 To 100, Deduct	-18.58	
	For >100, Deduct	-25.87	
08 14 16 00-0094	EA 2'-0" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	251.98	70.61
	For >50 To 100, Deduct	-16.13	
	For >100, Deduct	-22.43	
	For 9' Door Height, Add	23.26	
08 14 16 00-0095	EA 2'-4" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	251.95	70.61
	For >50 To 100, Deduct	-16.13	
	For >100, Deduct	-22.43	
	For 9' Door Height, Add	23.25	
08 14 16 00-0096	EA 2'-6" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	265.89	73.82
	For >50 To 100, Deduct	-16.99	
	For >100, Deduct	-23.63	
	For 9' Door Height, Add	24.83	
08 14 16 00-0097	EA 2'-8" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	272.21	73.82
	For >50 To 100, Deduct	-17.30	
	For >100, Deduct	-24.11	
	For 9' Door Height, Add	26.16	
08 14 16 00-0098	EA 2'-10" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	274.46	73.82
	For >50 To 100, Deduct	-17.41	
	For >100, Deduct	-24.28	
	For 9' Door Height, Add	26.63	
08 14 16 00-0099	EA 3'-0" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	283.11	77.03
	For >50 To 100, Deduct	-18.01	
	For >100, Deduct	-25.08	
	For 9' Door Height, Add	27.10	
08 14 16 00-0100	EA 3'-4" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	295.46	77.03
	For >50 To 100, Deduct	-18.62	
	For >100, Deduct	-26.01	
	For 9' Door Height, Add	29.69	
08 14 16 00-0101	EA 3'-6" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	310.91	80.24
	For >50 To 100, Deduct	-19.56	
	For >100, Deduct	-27.33	
	For 9' Door Height, Add	31.59	

08 14 16 00-0102 Medium Density Overlay (MDO) Faced Wood Doors (08 14 16 00-0001)

08 14 16 00-0103	EA 2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	247.89	70.61
	For >50 To 100, Deduct	-15.93	
	For >100, Deduct	-22.12	
08 14 16 00-0104	EA 2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	247.89	70.61
	For >50 To 100, Deduct	-15.93	
	For >100, Deduct	-22.12	
08 14 16 00-0105	EA 2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	262.08	73.82
	For >50 To 100, Deduct	-16.80	
	For >100, Deduct	-23.35	
08 14 16 00-0106	EA 2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	265.76	73.82
	For >50 To 100, Deduct	-16.98	
	For >100, Deduct	-23.62	
08 14 16 00-0107	EA 2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	269.46	73.82
	For >50 To 100, Deduct	-17.16	
	For >100, Deduct	-23.90	
08 14 16 00-0108	EA 3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	279.56	77.03
	For >50 To 100, Deduct	-17.83	
	For >100, Deduct	-24.82	
08 14 16 00-0109	EA 3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	293.37	77.03
	For >50 To 100, Deduct	-18.52	
	For >100, Deduct	-25.85	
08 14 16 00-0110	EA 3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	308.69	80.24
	For >50 To 100, Deduct	-19.45	
	For >100, Deduct	-27.16	
08 14 16 00-0111	EA 2'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	254.09	70.61
	For >50 To 100, Deduct	-16.24	
	For >100, Deduct	-22.59	
08 14 16 00-0112	EA 2'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	254.09	70.61
	For >50 To 100, Deduct	-16.24	
	For >100, Deduct	-22.59	
08 14 16 00-0113	EA 2'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	268.73	73.82
	For >50 To 100, Deduct	-17.13	
	For >100, Deduct	-23.85	
08 14 16 00-0114	EA 2'-8" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	272.64	73.82
	For >50 To 100, Deduct	-17.32	
	For >100, Deduct	-24.14	
08 14 16 00-0115	EA 2'-10" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	276.55	73.82
	For >50 To 100, Deduct	-17.52	
	For >100, Deduct	-24.43	
08 14 16 00-0116	EA 3'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	286.87	77.03
	For >50 To 100, Deduct	-18.20	
	For >100, Deduct	-25.37	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0117	EA		3'-4" x 7" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	301.48	77.03
			For >50 To 100, Deduct	-18.93	
			For >100, Deduct	-26.46	
08 14 16 00-0118	EA		3'-6" x 7" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	317.32	80.24
			For >50 To 100, Deduct	-19.88	
			For >100, Deduct	-27.81	
08 14 16 00-0119	EA		2'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	276.09	70.61
			For >50 To 100, Deduct	-17.34	
			For >100, Deduct	-24.24	
			For 9' Door Height, Add	28.32	
08 14 16 00-0120	EA		2'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	276.11	70.61
			For >50 To 100, Deduct	-17.34	
			For >100, Deduct	-24.24	
			For 9' Door Height, Add	28.32	
08 14 16 00-0121	EA		2'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	292.34	73.82
			For >50 To 100, Deduct	-18.31	
			For >100, Deduct	-25.62	
			For 9' Door Height, Add	30.39	
08 14 16 00-0122	EA		2'-8" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	297.02	73.82
			For >50 To 100, Deduct	-18.54	
			For >100, Deduct	-25.97	
			For 9' Door Height, Add	31.37	
08 14 16 00-0123	EA		2'-10" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	301.70	73.82
			For >50 To 100, Deduct	-18.78	
			For >100, Deduct	-26.32	
			For 9' Door Height, Add	32.35	
08 14 16 00-0124	EA		3'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	312.77	77.03
			For >50 To 100, Deduct	-19.49	
			For >100, Deduct	-27.31	
			For 9' Door Height, Add	33.33	
08 14 16 00-0125	EA		3'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	330.23	77.03
			For >50 To 100, Deduct	-20.36	
			For >100, Deduct	-28.62	
			For 9' Door Height, Add	37.00	
08 14 16 00-0126	EA		3'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	347.91	80.24
			For >50 To 100, Deduct	-21.41	
			For >100, Deduct	-30.11	
			For 9' Door Height, Add	39.36	
08 14 16 00-0127			1-3/4" Thick, Hollow Core (HC), Wood Doors (08 14 16)		
08 14 16 00-0128			Birch Faced Wood Doors (08 14 16 00-0127)		
08 14 16 00-0129	EA		2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	293.47	70.61
			For >50 To 100, Deduct	-18.20	
			For >100, Deduct	-25.54	
08 14 16 00-0130	EA		2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	293.47	70.61
			For >50 To 100, Deduct	-18.20	
			For >100, Deduct	-25.54	
08 14 16 00-0131	EA		2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	305.62	73.82
			For >50 To 100, Deduct	-18.97	
			For >100, Deduct	-26.61	
08 14 16 00-0132	EA		2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	307.76	73.82
			For >50 To 100, Deduct	-19.08	
			For >100, Deduct	-26.77	
08 14 16 00-0133	EA		2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	312.44	73.82
			For >50 To 100, Deduct	-19.31	
			For >100, Deduct	-27.12	
08 14 16 00-0134	EA		3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	323.55	77.03
			For >50 To 100, Deduct	-20.03	
			For >100, Deduct	-28.12	
08 14 16 00-0135	EA		3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	348.40	77.03
			For >50 To 100, Deduct	-21.27	
			For >100, Deduct	-29.98	
08 14 16 00-0136	EA		3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	405.25	80.24
			For >50 To 100, Deduct	-24.27	
			For >100, Deduct	-34.41	
08 14 16 00-0137	EA		3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	417.49	80.24
			For >50 To 100, Deduct	-24.89	
			For >100, Deduct	-35.32	
08 14 16 00-0138	EA		4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	441.97	80.24
			For >50 To 100, Deduct	-26.11	
			For >100, Deduct	-37.16	
08 14 16 00-0139	EA		2'-0" x 7" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	302.34	70.61
			For >50 To 100, Deduct	-18.65	
			For >100, Deduct	-26.21	
08 14 16 00-0140	EA		2'-4" x 7" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	302.33	70.61
			For >50 To 100, Deduct	-18.65	
			For >100, Deduct	-26.21	
08 14 16 00-0141	EA		2'-6" x 7" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	314.81	73.82
			For >50 To 100, Deduct	-19.43	
			For >100, Deduct	-27.30	
08 14 16 00-0142	EA		2'-8" x 7" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	317.08	73.82
			For >50 To 100, Deduct	-19.55	
			For >100, Deduct	-27.47	
08 14 16 00-0143	EA		2'-10" x 7" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	322.04	73.82
			For >50 To 100, Deduct	-19.79	
			For >100, Deduct	-27.84	

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 14 16 00-0144	EA 3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	333.40	77.03
	For >50 To 100, Deduct	-20.52	
	For >100, Deduct	-28.86	
08 14 16 00-0145	EA 3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	359.71	77.03
	For >50 To 100, Deduct	-21.84	
	For >100, Deduct	-30.83	
08 14 16 00-0146	EA 3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	419.51	80.24
	For >50 To 100, Deduct	-24.99	
	For >100, Deduct	-35.48	
08 14 16 00-0147	EA 3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	432.45	80.24
	For >50 To 100, Deduct	-25.63	
	For >100, Deduct	-36.45	
08 14 16 00-0148	EA 4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	458.36	80.24
	For >50 To 100, Deduct	-26.93	
	For >100, Deduct	-38.39	
08 14 16 00-0149	EA 2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	333.76	70.61
	For >50 To 100, Deduct	-20.22	
	For >100, Deduct	-28.56	
	For 9' Door Height, Add	40.43	
08 14 16 00-0150	EA 2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	333.76	70.61
	For >50 To 100, Deduct	-20.22	
	For >100, Deduct	-28.56	
	For 9' Door Height, Add	40.43	
08 14 16 00-0151	EA 2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	347.42	73.82
	For >50 To 100, Deduct	-21.06	
	For >100, Deduct	-29.75	
	For 9' Door Height, Add	41.95	
08 14 16 00-0152	EA 2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	350.11	73.82
	For >50 To 100, Deduct	-21.20	
	For >100, Deduct	-29.95	
	For 9' Door Height, Add	42.52	
08 14 16 00-0153	EA 2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	356.05	73.82
	For >50 To 100, Deduct	-21.49	
	For >100, Deduct	-30.39	
	For 9' Door Height, Add	43.77	
08 14 16 00-0154	EA 3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	368.37	77.03
	For >50 To 100, Deduct	-22.27	
	For >100, Deduct	-31.48	
	For 9' Door Height, Add	45.01	
08 14 16 00-0155	EA 3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	399.82	77.03
	For >50 To 100, Deduct	-23.84	
	For >100, Deduct	-33.84	
	For 9' Door Height, Add	51.61	
08 14 16 00-0156	EA 3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	470.02	80.24
	For >50 To 100, Deduct	-27.51	
	For >100, Deduct	-39.26	
	For 9' Door Height, Add	65.00	
08 14 16 00-0157	EA 3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	485.48	80.24
	For >50 To 100, Deduct	-28.29	
	For >100, Deduct	-40.42	
	For 9' Door Height, Add	68.25	
08 14 16 00-0158	EA 4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	516.45	80.24
	For >50 To 100, Deduct	-29.83	
	For >100, Deduct	-42.75	
	For 9' Door Height, Add	74.75	

08 14 16 00-0159 Oak Faced Wood Doors (08 14 16 00-0127)

08 14 16 00-0160	EA 2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	388.57	70.61
	For >50 To 100, Deduct	-22.96	
	For >100, Deduct	-32.67	
08 14 16 00-0161	EA 2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	388.57	70.61
	For >50 To 100, Deduct	-22.96	
	For >100, Deduct	-32.67	
08 14 16 00-0162	EA 2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	404.27	73.82
	For >50 To 100, Deduct	-23.90	
	For >100, Deduct	-34.01	
08 14 16 00-0163	EA 2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	407.75	73.82
	For >50 To 100, Deduct	-24.08	
	For >100, Deduct	-34.27	
08 14 16 00-0164	EA 2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	415.37	73.82
	For >50 To 100, Deduct	-24.46	
	For >100, Deduct	-34.84	
08 14 16 00-0165	EA 3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	429.38	77.03
	For >50 To 100, Deduct	-25.32	
	For >100, Deduct	-36.06	
08 14 16 00-0166	EA 3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	469.76	77.03
	For >50 To 100, Deduct	-27.34	
	For >100, Deduct	-39.08	
08 14 16 00-0167	EA 3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	558.13	80.24
	For >50 To 100, Deduct	-31.92	
	For >100, Deduct	-45.87	
08 14 16 00-0168	EA 3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	578.02	80.24
	For >50 To 100, Deduct	-32.91	
	For >100, Deduct	-47.36	
08 14 16 00-0169	EA 4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	617.82	80.24
	For >50 To 100, Deduct	-34.90	
	For >100, Deduct	-50.35	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0170	EA		2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	402.95	70.61
			For >50 To 100, Deduct	-23.68	
			For >100, Deduct	-33.75	
08 14 16 00-0171	EA		2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	402.96	70.61
			For >50 To 100, Deduct	-23.68	
			For >100, Deduct	-33.75	
08 14 16 00-0172	EA		2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	419.21	73.82
			For >50 To 100, Deduct	-24.65	
			For >100, Deduct	-35.13	
08 14 16 00-0173	EA		2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	422.89	73.82
			For >50 To 100, Deduct	-24.84	
			For >100, Deduct	-35.41	
08 14 16 00-0174	EA		2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	430.94	73.82
			For >50 To 100, Deduct	-25.24	
			For >100, Deduct	-36.01	
08 14 16 00-0175	EA		3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	445.40	77.03
			For >50 To 100, Deduct	-26.12	
			For >100, Deduct	-37.26	
08 14 16 00-0176	EA		3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	488.13	77.03
			For >50 To 100, Deduct	-28.26	
			For >100, Deduct	-40.46	
08 14 16 00-0177	EA		3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	581.27	80.24
			For >50 To 100, Deduct	-33.08	
			For >100, Deduct	-47.61	
08 14 16 00-0178	EA		3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	602.33	80.24
			For >50 To 100, Deduct	-34.13	
			For >100, Deduct	-49.19	
08 14 16 00-0179	EA		4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	644.43	80.24
			For >50 To 100, Deduct	-36.23	
			For >100, Deduct	-52.34	
08 14 16 00-0180	EA		2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	453.98	70.61
			For >50 To 100, Deduct	-26.23	
			For >100, Deduct	-37.58	
			For 9' Door Height, Add	65.68	
08 14 16 00-0181	EA		2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	454.01	70.61
			For >50 To 100, Deduct	-26.23	
			For >100, Deduct	-37.58	
			For 9' Door Height, Add	65.68	
08 14 16 00-0182	EA		2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	472.17	73.82
			For >50 To 100, Deduct	-27.30	
			For >100, Deduct	-39.10	
			For 9' Door Height, Add	68.15	
08 14 16 00-0183	EA		2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	476.55	73.82
			For >50 To 100, Deduct	-27.52	
			For >100, Deduct	-39.43	
			For 9' Door Height, Add	69.07	
08 14 16 00-0184	EA		2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	486.19	73.82
			For >50 To 100, Deduct	-28.00	
			For >100, Deduct	-40.16	
			For 9' Door Height, Add	71.10	
08 14 16 00-0185	EA		3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	502.21	77.03
			For >50 To 100, Deduct	-28.96	
			For >100, Deduct	-41.52	
			For 9' Door Height, Add	73.11	
08 14 16 00-0186	EA		3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	553.29	77.03
			For >50 To 100, Deduct	-31.52	
			For >100, Deduct	-45.35	
			For 9' Door Height, Add	83.84	
08 14 16 00-0187	EA		3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	663.33	80.24
			For >50 To 100, Deduct	-37.18	
			For >100, Deduct	-53.76	
			For 9' Door Height, Add	105.60	
08 14 16 00-0188	EA		3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	688.51	80.24
			For >50 To 100, Deduct	-38.44	
			For >100, Deduct	-55.65	
			For 9' Door Height, Add	110.89	
08 14 16 00-0189	EA		4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	738.81	80.24
			For >50 To 100, Deduct	-40.95	
			For >100, Deduct	-59.42	
			For 9' Door Height, Add	121.45	
08 14 16 00-0190	Maple Faced Wood Doors (08 14 16 00-0127)				
08 14 16 00-0191	EA		2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	381.62	70.61
			For >50 To 100, Deduct	-22.61	
			For >100, Deduct	-32.15	
08 14 16 00-0192	EA		2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	381.62	70.61
			For >50 To 100, Deduct	-22.61	
			For >100, Deduct	-32.15	
08 14 16 00-0193	EA		2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	397.07	73.82
			For >50 To 100, Deduct	-23.54	
			For >100, Deduct	-33.47	
08 14 16 00-0194	EA		2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	400.60	73.82
			For >50 To 100, Deduct	-23.72	
			For >100, Deduct	-33.74	
08 14 16 00-0195	EA		2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	407.93	73.82
			For >50 To 100, Deduct	-24.09	
			For >100, Deduct	-34.29	

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 14 16 00-0196	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	421.65	77.03
		For >50 To 100, Deduct	-24.93	
		For >100, Deduct	-35.48	
08 14 16 00-0197	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	460.90	77.03
		For >50 To 100, Deduct	-26.90	
		For >100, Deduct	-38.42	
08 14 16 00-0198	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	527.76	80.24
		For >50 To 100, Deduct	-30.40	
		For >100, Deduct	-43.59	
08 14 16 00-0199	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	566.31	80.24
		For >50 To 100, Deduct	-32.33	
		For >100, Deduct	-46.49	
08 14 16 00-0200	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	604.98	80.24
		For >50 To 100, Deduct	-34.26	
		For >100, Deduct	-49.39	
08 14 16 00-0201	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	395.62	70.61
		For >50 To 100, Deduct	-23.31	
		For >100, Deduct	-33.20	
08 14 16 00-0202	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	395.62	70.61
		For >50 To 100, Deduct	-23.31	
		For >100, Deduct	-33.20	
08 14 16 00-0203	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	411.58	73.82
		For >50 To 100, Deduct	-24.27	
		For >100, Deduct	-34.56	
08 14 16 00-0204	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	415.33	73.82
		For >50 To 100, Deduct	-24.46	
		For >100, Deduct	-34.84	
08 14 16 00-0205	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	423.06	73.82
		For >50 To 100, Deduct	-24.84	
		For >100, Deduct	-35.42	
08 14 16 00-0206	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	437.21	77.03
		For >50 To 100, Deduct	-25.71	
		For >100, Deduct	-36.64	
08 14 16 00-0207	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	478.76	77.03
		For >50 To 100, Deduct	-27.79	
		For >100, Deduct	-39.76	
08 14 16 00-0208	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	549.03	80.24
		For >50 To 100, Deduct	-31.46	
		For >100, Deduct	-45.19	
08 14 16 00-0209	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	589.95	80.24
		For >50 To 100, Deduct	-33.51	
		For >100, Deduct	-48.26	
08 14 16 00-0210	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	630.84	80.24
		For >50 To 100, Deduct	-35.55	
		For >100, Deduct	-51.33	
08 14 16 00-0211	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	445.23	70.61
		For >50 To 100, Deduct	-25.79	
		For >100, Deduct	-36.92	
		For 9' Door Height, Add	63.84	
08 14 16 00-0212	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	445.23	70.61
		For >50 To 100, Deduct	-25.79	
		For >100, Deduct	-36.92	
		For 9' Door Height, Add	63.84	
08 14 16 00-0213	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	463.04	73.82
		For >50 To 100, Deduct	-26.84	
		For >100, Deduct	-38.42	
		For 9' Door Height, Add	66.23	
08 14 16 00-0214	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	467.53	73.82
		For >50 To 100, Deduct	-27.07	
		For >100, Deduct	-38.76	
		For 9' Door Height, Add	67.18	
08 14 16 00-0215	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	476.74	73.82
		For >50 To 100, Deduct	-27.53	
		For >100, Deduct	-39.45	
		For 9' Door Height, Add	69.11	
08 14 16 00-0216	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	492.43	77.03
		For >50 To 100, Deduct	-28.47	
		For >100, Deduct	-40.78	
		For 9' Door Height, Add	71.06	
08 14 16 00-0217	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	542.06	77.03
		For >50 To 100, Deduct	-30.95	
		For >100, Deduct	-44.51	
		For 9' Door Height, Add	81.48	
08 14 16 00-0218	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	624.82	80.24
		For >50 To 100, Deduct	-35.25	
		For >100, Deduct	-50.87	
		For 9' Door Height, Add	97.51	
08 14 16 00-0219	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	673.70	80.24
		For >50 To 100, Deduct	-37.70	
		For >100, Deduct	-54.54	
		For 9' Door Height, Add	107.78	
08 14 16 00-0220	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	722.60	80.24
		For >50 To 100, Deduct	-40.14	
		For >100, Deduct	-58.21	
		For 9' Door Height, Add	118.05	

08 14 16 00-0221 Walnut Faced Wood Doors (08 14 16 00-0127)

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0222	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	476.30	70.61
		For >50 To 100, Deduct	-27.35	
		For >100, Deduct	-39.25	
08 14 16 00-0223	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	476.30	70.61
		For >50 To 100, Deduct	-27.35	
		For >100, Deduct	-39.25	
08 14 16 00-0224	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	485.04	73.82
		For >50 To 100, Deduct	-27.94	
		For >100, Deduct	-40.07	
08 14 16 00-0225	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	499.90	73.82
		For >50 To 100, Deduct	-28.69	
		For >100, Deduct	-41.18	
08 14 16 00-0226	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	502.17	73.82
		For >50 To 100, Deduct	-28.80	
		For >100, Deduct	-41.35	
08 14 16 00-0227	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	510.86	77.03
		For >50 To 100, Deduct	-29.39	
		For >100, Deduct	-42.17	
08 14 16 00-0228	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	550.68	77.03
		For >50 To 100, Deduct	-31.39	
		For >100, Deduct	-45.15	
08 14 16 00-0229	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	659.91	80.24
		For >50 To 100, Deduct	-37.01	
		For >100, Deduct	-53.51	
08 14 16 00-0230	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	684.87	80.24
		For >50 To 100, Deduct	-38.26	
		For >100, Deduct	-55.38	
08 14 16 00-0231	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	734.86	80.24
		For >50 To 100, Deduct	-40.76	
		For >100, Deduct	-59.13	
08 14 16 00-0232	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	495.79	70.61
		For >50 To 100, Deduct	-28.32	
		For >100, Deduct	-40.72	
08 14 16 00-0233	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	495.79	70.61
		For >50 To 100, Deduct	-28.32	
		For >100, Deduct	-40.72	
08 14 16 00-0234	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	504.69	73.82
		For >50 To 100, Deduct	-28.93	
		For >100, Deduct	-41.54	
08 14 16 00-0235	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	520.39	73.82
		For >50 To 100, Deduct	-29.71	
		For >100, Deduct	-42.72	
08 14 16 00-0236	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	522.81	73.82
		For >50 To 100, Deduct	-29.83	
		For >100, Deduct	-42.90	
08 14 16 00-0237	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	531.62	77.03
		For >50 To 100, Deduct	-30.43	
		For >100, Deduct	-43.72	
08 14 16 00-0238	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	573.75	77.03
		For >50 To 100, Deduct	-32.54	
		For >100, Deduct	-46.88	
08 14 16 00-0239	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	688.98	80.24
		For >50 To 100, Deduct	-38.46	
		For >100, Deduct	-55.69	
08 14 16 00-0240	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	715.40	80.24
		For >50 To 100, Deduct	-39.78	
		For >100, Deduct	-57.67	
08 14 16 00-0241	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	768.28	80.24
		For >50 To 100, Deduct	-42.43	
		For >100, Deduct	-61.63	
08 14 16 00-0242	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	564.93	70.61
		For >50 To 100, Deduct	-31.78	
		For >100, Deduct	-45.90	
		For 9' Door Height, Add	88.98	
08 14 16 00-0243	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	564.93	70.61
		For >50 To 100, Deduct	-31.78	
		For >100, Deduct	-45.90	
		For 9' Door Height, Add	88.98	
08 14 16 00-0244	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	574.32	73.82
		For >50 To 100, Deduct	-32.41	
		For >100, Deduct	-46.77	
		For 9' Door Height, Add	89.60	
08 14 16 00-0245	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	593.07	73.82
		For >50 To 100, Deduct	-33.34	
		For >100, Deduct	-48.17	
		For 9' Door Height, Add	93.54	
08 14 16 00-0246	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	595.96	73.82
		For >50 To 100, Deduct	-33.49	
		For >100, Deduct	-48.39	
		For 9' Door Height, Add	94.15	
08 14 16 00-0247	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	605.24	77.03
		For >50 To 100, Deduct	-34.11	
		For >100, Deduct	-49.24	
		For 9' Door Height, Add	94.75	
08 14 16 00-0248	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	655.60	77.03
		For >50 To 100, Deduct	-36.63	
		For >100, Deduct	-53.02	
		For 9' Door Height, Add	105.32	

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 14 16 00-0249	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	792.03	80.24
		For >50 To 100, Deduct	-43.61	
		For >100, Deduct	-63.41	
		For 9' Door Height, Add	132.63	
08 14 16 00-0250	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	823.62	80.24
		For >50 To 100, Deduct	-45.19	
		For >100, Deduct	-65.78	
		For 9' Door Height, Add	139.26	
08 14 16 00-0251	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	886.79	80.24
		For >50 To 100, Deduct	-48.35	
		For >100, Deduct	-70.52	
		For 9' Door Height, Add	152.53	

08 14 16 00-0252 Lauan Faced Wood Doors (08 14 16 00-0127)

08 14 16 00-0253	EA	2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	252.48	70.61
		For >50 To 100, Deduct	-16.15	
		For >100, Deduct	-22.47	
08 14 16 00-0254	EA	2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	252.48	70.61
		For >50 To 100, Deduct	-16.15	
		For >100, Deduct	-22.47	
08 14 16 00-0255	EA	2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	266.55	73.82
		For >50 To 100, Deduct	-17.02	
		For >100, Deduct	-23.68	
08 14 16 00-0256	EA	2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	272.77	73.82
		For >50 To 100, Deduct	-17.33	
		For >100, Deduct	-24.15	
08 14 16 00-0257	EA	2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	274.00	73.82
		For >50 To 100, Deduct	-17.39	
		For >100, Deduct	-24.24	
08 14 16 00-0258	EA	3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	281.66	77.03
		For >50 To 100, Deduct	-17.93	
		For >100, Deduct	-24.98	
08 14 16 00-0259	EA	3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	295.68	77.03
		For >50 To 100, Deduct	-18.64	
		For >100, Deduct	-26.03	
08 14 16 00-0260	EA	3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	320.18	80.24
		For >50 To 100, Deduct	-20.02	
		For >100, Deduct	-28.03	
08 14 16 00-0261	EA	3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	328.15	80.24
		For >50 To 100, Deduct	-20.42	
		For >100, Deduct	-28.62	
08 14 16 00-0262	EA	4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	344.13	80.24
		For >50 To 100, Deduct	-21.22	
		For >100, Deduct	-29.82	
08 14 16 00-0263	EA	2'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	258.95	70.61
		For >50 To 100, Deduct	-16.48	
		For >100, Deduct	-22.95	
08 14 16 00-0264	EA	2'-4" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	258.95	70.61
		For >50 To 100, Deduct	-16.48	
		For >100, Deduct	-22.95	
08 14 16 00-0265	EA	2'-6" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	273.47	73.82
		For >50 To 100, Deduct	-17.36	
		For >100, Deduct	-24.20	
08 14 16 00-0266	EA	2'-8" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	280.06	73.82
		For >50 To 100, Deduct	-17.69	
		For >100, Deduct	-24.70	
08 14 16 00-0267	EA	2'-10" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	281.36	73.82
		For >50 To 100, Deduct	-17.76	
		For >100, Deduct	-24.79	
08 14 16 00-0268	EA	3'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	289.08	77.03
		For >50 To 100, Deduct	-18.31	
		For >100, Deduct	-25.53	
08 14 16 00-0269	EA	3'-4" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	303.92	77.03
		For >50 To 100, Deduct	-19.05	
		For >100, Deduct	-26.65	
08 14 16 00-0270	EA	3'-6" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	329.46	80.24
		For >50 To 100, Deduct	-20.49	
		For >100, Deduct	-28.72	
08 14 16 00-0271	EA	3'-8" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	337.91	80.24
		For >50 To 100, Deduct	-20.91	
		For >100, Deduct	-29.36	
08 14 16 00-0272	EA	4'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	354.81	80.24
		For >50 To 100, Deduct	-21.75	
		For >100, Deduct	-30.62	
08 14 16 00-0273	EA	2'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	281.90	70.61
		For >50 To 100, Deduct	-17.63	
		For >100, Deduct	-24.67	
		For 9' Door Height, Add	29.54	
08 14 16 00-0274	EA	2'-4" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	281.90	70.61
		For >50 To 100, Deduct	-17.63	
		For >100, Deduct	-24.67	
		For 9' Door Height, Add	29.54	
08 14 16 00-0275	EA	2'-6" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	298.00	73.82
		For >50 To 100, Deduct	-18.59	
		For >100, Deduct	-26.04	
		For 9' Door Height, Add	31.58	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0276	EA	2'-8" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	305.87	73.82
		For >50 To 100, Deduct	-18.98	
		For >100, Deduct	-26.63	
		For 9' Door Height, Add	33.23	
08 14 16 00-0277	EA	2'-10" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	307.44	73.82
		For >50 To 100, Deduct	-19.06	
		For >100, Deduct	-26.75	
		For 9' Door Height, Add	33.56	
08 14 16 00-0278	EA	3'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	315.41	77.03
		For >50 To 100, Deduct	-19.62	
		For >100, Deduct	-27.51	
		For 9' Door Height, Add	33.88	
08 14 16 00-0279	EA	3'-4" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	333.16	77.03
		For >50 To 100, Deduct	-20.51	
		For >100, Deduct	-28.84	
		For 9' Door Height, Add	37.61	
08 14 16 00-0280	EA	3'-6" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	362.41	80.24
		For >50 To 100, Deduct	-22.13	
		For >100, Deduct	-31.19	
		For 9' Door Height, Add	42.41	
08 14 16 00-0281	EA	3'-8" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	372.50	80.24
		For >50 To 100, Deduct	-22.64	
		For >100, Deduct	-31.95	
		For 9' Door Height, Add	44.52	
08 14 16 00-0282	EA	4'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	392.70	80.24
		For >50 To 100, Deduct	-23.65	
		For >100, Deduct	-33.46	
		For 9' Door Height, Add	48.77	
08 14 16 00-0283 Medium Density Overlay (MDO) Faced Wood Doors (08 14 16 00-0127)				
08 14 16 00-0284	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	274.10	70.61
		For >50 To 100, Deduct	-17.24	
		For >100, Deduct	-24.09	
08 14 16 00-0285	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	274.13	70.61
		For >50 To 100, Deduct	-17.24	
		For >100, Deduct	-24.09	
08 14 16 00-0286	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	284.22	73.82
		For >50 To 100, Deduct	-17.90	
		For >100, Deduct	-25.01	
08 14 16 00-0287	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	291.63	73.82
		For >50 To 100, Deduct	-18.27	
		For >100, Deduct	-25.56	
08 14 16 00-0288	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	295.33	73.82
		For >50 To 100, Deduct	-18.46	
		For >100, Deduct	-25.84	
08 14 16 00-0289	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	305.40	77.03
		For >50 To 100, Deduct	-19.12	
		For >100, Deduct	-26.76	
08 14 16 00-0290	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	313.84	77.03
		For >50 To 100, Deduct	-19.54	
		For >100, Deduct	-27.39	
08 14 16 00-0291	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	347.70	80.24
		For >50 To 100, Deduct	-21.40	
		For >100, Deduct	-30.09	
08 14 16 00-0292	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	357.06	80.24
		For >50 To 100, Deduct	-21.87	
		For >100, Deduct	-30.79	
08 14 16 00-0293	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	375.81	80.24
		For >50 To 100, Deduct	-22.80	
		For >100, Deduct	-32.20	
08 14 16 00-0294	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	281.85	70.61
		For >50 To 100, Deduct	-17.62	
		For >100, Deduct	-24.67	
08 14 16 00-0295	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	281.86	70.61
		For >50 To 100, Deduct	-17.62	
		For >100, Deduct	-24.67	
08 14 16 00-0296	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	292.16	73.82
		For >50 To 100, Deduct	-18.30	
		For >100, Deduct	-25.60	
08 14 16 00-0297	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	300.00	73.82
		For >50 To 100, Deduct	-18.69	
		For >100, Deduct	-26.19	
08 14 16 00-0298	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	303.91	73.82
		For >50 To 100, Deduct	-18.89	
		For >100, Deduct	-26.48	
08 14 16 00-0299	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	314.21	77.03
		For >50 To 100, Deduct	-19.56	
		For >100, Deduct	-27.42	
08 14 16 00-0300	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	323.14	77.03
		For >50 To 100, Deduct	-20.01	
		For >100, Deduct	-28.09	
08 14 16 00-0301	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	358.61	80.24
		For >50 To 100, Deduct	-21.94	
		For >100, Deduct	-30.91	
08 14 16 00-0302	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	368.52	80.24
		For >50 To 100, Deduct	-22.44	
		For >100, Deduct	-31.65	

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 14 16 00-0303	EA 4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	388.33 -23.43 -33.14		80.24
08 14 16 00-0304	EA 2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	309.28 -18.99 -26.73 35.29		70.61
08 14 16 00-0305	EA 2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	309.28 -18.99 -26.73 35.29		70.61
08 14 16 00-0306	EA 2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	320.34 -19.71 -27.72 36.27		73.82
08 14 16 00-0307	EA 2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	329.70 -20.18 -28.42 38.23		73.82
08 14 16 00-0308	EA 2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	334.38 -20.41 -28.77 39.22		73.82
08 14 16 00-0309	EA 3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	345.45 -21.12 -29.76 40.19		77.03
08 14 16 00-0310	EA 3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	356.13 -21.66 -30.56 42.43		77.03
08 14 16 00-0311	EA 3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	397.26 -23.88 -33.81 49.72		80.24
08 14 16 00-0312	EA 3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	409.09 -24.47 -34.69 52.21		80.24
08 14 16 00-0313	EA 4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	432.78 -25.65 -36.47 57.18		80.24
08 14 16 00-0314	1-3/8" Thick, Particleboard Core (PC), Wood Doors (08 14 16) Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.			
08 14 16 00-0315	Birch Faced Wood Doors (08 14 16 00-0314)			
08 14 16 00-0316	EA 2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	302.19 -3.22 120.72 72.43 -18.64 -26.20		70.61
08 14 16 00-0317	EA 2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	302.22 -3.22 120.74 72.45 -18.64 -26.20		70.61
08 14 16 00-0318	EA 2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	317.07 -3.39 127.07 76.24 -19.54 -27.47		73.82
08 14 16 00-0319	EA 2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	325.51 -3.56 133.40 80.04 -19.97 -28.10		73.82
08 14 16 00-0320	EA 2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	330.66 -3.66 137.27 82.36 -20.22 -28.49		73.82
08 14 16 00-0321	EA 3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	342.25 -3.76 141.14 84.69 -20.96 -29.52		77.03

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0322	EA		3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	362.90	77.03
			For 7 Ply Cold Press Construction, Deduct	-4.18	
			For Stave Lumber Core (SLC), Add	156.63	
			For Structural Composite Lumber Core (SCLC), Add	93.98	
			For >50 To 100, Deduct	-22.00	
			For >100, Deduct	-31.07	
08 14 16 00-0323	EA		3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	382.67	80.24
			For 7 Ply Cold Press Construction, Deduct	-4.44	
			For Stave Lumber Core (SLC), Add	166.64	
			For Structural Composite Lumber Core (SCLC), Add	99.99	
			For >50 To 100, Deduct	-23.15	
			For >100, Deduct	-32.71	
08 14 16 00-0324	EA		2'-0" x 7" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	311.56	70.61
			For 7 Ply Cold Press Construction, Deduct	-3.41	
			For Stave Lumber Core (SLC), Add	127.75	
			For Structural Composite Lumber Core (SCLC), Add	76.65	
			For >50 To 100, Deduct	-19.11	
			For >100, Deduct	-26.90	
08 14 16 00-0325	EA		2'-4" x 7" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	311.57	70.61
			For 7 Ply Cold Press Construction, Deduct	-3.41	
			For Stave Lumber Core (SLC), Add	127.76	
			For Structural Composite Lumber Core (SCLC), Add	76.65	
			For >50 To 100, Deduct	-19.11	
			For >100, Deduct	-26.90	
08 14 16 00-0326	EA		2'-6" x 7" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	326.92	73.82
			For 7 Ply Cold Press Construction, Deduct	-3.59	
			For Stave Lumber Core (SLC), Add	134.46	
			For Structural Composite Lumber Core (SCLC), Add	80.68	
			For >50 To 100, Deduct	-20.04	
			For >100, Deduct	-28.21	
08 14 16 00-0327	EA		2'-8" x 7" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	335.87	73.82
			For 7 Ply Cold Press Construction, Deduct	-3.76	
			For Stave Lumber Core (SLC), Add	141.17	
			For Structural Composite Lumber Core (SCLC), Add	84.70	
			For >50 To 100, Deduct	-20.48	
			For >100, Deduct	-28.88	
08 14 16 00-0328	EA		2'-10" x 7" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	341.32	73.82
			For 7 Ply Cold Press Construction, Deduct	-3.87	
			For Stave Lumber Core (SLC), Add	145.26	
			For Structural Composite Lumber Core (SCLC), Add	87.16	
			For >50 To 100, Deduct	-20.76	
			For >100, Deduct	-29.29	
08 14 16 00-0329	EA		3'-0" x 7" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	353.20	77.03
			For 7 Ply Cold Press Construction, Deduct	-3.98	
			For Stave Lumber Core (SLC), Add	149.36	
			For Structural Composite Lumber Core (SCLC), Add	89.61	
			For >50 To 100, Deduct	-21.51	
			For >100, Deduct	-30.34	
08 14 16 00-0330	EA		3'-4" x 7" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	375.05	77.03
			For 7 Ply Cold Press Construction, Deduct	-4.42	
			For Stave Lumber Core (SLC), Add	165.74	
			For Structural Composite Lumber Core (SCLC), Add	99.45	
			For >50 To 100, Deduct	-22.60	
			For >100, Deduct	-31.98	
08 14 16 00-0331	EA		3'-6" x 7" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	395.60	80.24
			For 7 Ply Cold Press Construction, Deduct	-4.70	
			For Stave Lumber Core (SLC), Add	176.34	
			For Structural Composite Lumber Core (SCLC), Add	105.80	
			For >50 To 100, Deduct	-23.79	
			For >100, Deduct	-33.68	
08 14 16 00-0332	EA		2'-0" x 8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	344.79	70.61
			For 7 Ply Cold Press Construction, Deduct	-4.07	
			For Stave Lumber Core (SLC), Add	152.67	
			For Structural Composite Lumber Core (SCLC), Add	91.60	
			For >50 To 100, Deduct	-20.77	
			For >100, Deduct	-29.39	
			For 9' Door Height, Add	42.75	
08 14 16 00-0333	EA		2'-4" x 8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	344.79	70.61
			For 7 Ply Cold Press Construction, Deduct	-4.07	
			For Stave Lumber Core (SLC), Add	152.67	
			For Structural Composite Lumber Core (SCLC), Add	91.60	
			For >50 To 100, Deduct	-20.77	
			For >100, Deduct	-29.39	
			For 9' Door Height, Add	42.75	
08 14 16 00-0334	EA		2'-6" x 8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	361.89	73.82
			For 7 Ply Cold Press Construction, Deduct	-4.29	
			For Stave Lumber Core (SLC), Add	160.69	
			For Structural Composite Lumber Core (SCLC), Add	96.41	
			For >50 To 100, Deduct	-21.79	
			For >100, Deduct	-30.83	
			For 9' Door Height, Add	44.99	
08 14 16 00-0335	EA		2'-8" x 8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	372.58	73.82
			For 7 Ply Cold Press Construction, Deduct	-4.50	
			For Stave Lumber Core (SLC), Add	168.71	
			For Structural Composite Lumber Core (SCLC), Add	101.22	
			For >50 To 100, Deduct	-22.32	
			For >100, Deduct	-31.63	
			For 9' Door Height, Add	47.24	

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 14 16 00-0336	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	379.08	73.82
		For 7 Ply Cold Press Construction, Deduct	-4.63	
		For Stave Lumber Core (SLC), Add	173.58	
		For Structural Composite Lumber Core (SCLC), Add	104.15	
		For >50 To 100, Deduct	-22.65	
		For >100, Deduct	-32.12	
		For 9' Door Height, Add	48.60	
08 14 16 00-0337	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	392.04	77.03
		For 7 Ply Cold Press Construction, Deduct	-4.76	
		For Stave Lumber Core (SLC), Add	178.49	
		For Structural Composite Lumber Core (SCLC), Add	107.09	
		For >50 To 100, Deduct	-23.45	
		For >100, Deduct	-33.25	
		For 9' Door Height, Add	49.98	
08 14 16 00-0338	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	418.14	77.03
		For 7 Ply Cold Press Construction, Deduct	-5.28	
		For Stave Lumber Core (SLC), Add	198.06	
		For Structural Composite Lumber Core (SCLC), Add	118.84	
		For >50 To 100, Deduct	-24.76	
		For >100, Deduct	-35.21	
		For 9' Door Height, Add	55.46	
08 14 16 00-0339	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	441.45	80.24
		For 7 Ply Cold Press Construction, Deduct	-5.62	
		For Stave Lumber Core (SLC), Add	210.73	
		For Structural Composite Lumber Core (SCLC), Add	126.44	
		For >50 To 100, Deduct	-26.08	
		For >100, Deduct	-37.12	
		For 9' Door Height, Add	59.00	

08 14 16 00-0340 Oak Faced Wood Doors (08 14 16 00-0314)

08 14 16 00-0341	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	411.51	70.61
		For 7 Ply Cold Press Construction, Deduct	-5.41	
		For Stave Lumber Core (SLC), Add	202.71	
		For Structural Composite Lumber Core (SCLC), Add	121.63	
		For >50 To 100, Deduct	-24.11	
		For >100, Deduct	-34.39	
08 14 16 00-0342	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	411.51	70.61
		For 7 Ply Cold Press Construction, Deduct	-5.41	
		For Stave Lumber Core (SLC), Add	202.71	
		For Structural Composite Lumber Core (SCLC), Add	121.63	
		For >50 To 100, Deduct	-24.11	
		For >100, Deduct	-34.39	
08 14 16 00-0343	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	432.14	73.82
		For 7 Ply Cold Press Construction, Deduct	-5.69	
		For Stave Lumber Core (SLC), Add	213.38	
		For Structural Composite Lumber Core (SCLC), Add	128.03	
		For >50 To 100, Deduct	-25.30	
		For >100, Deduct	-36.10	
08 14 16 00-0344	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	446.33	73.82
		For 7 Ply Cold Press Construction, Deduct	-5.97	
		For Stave Lumber Core (SLC), Add	224.02	
		For Structural Composite Lumber Core (SCLC), Add	134.41	
		For >50 To 100, Deduct	-26.01	
		For >100, Deduct	-37.17	
08 14 16 00-0345	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	454.98	73.82
		For 7 Ply Cold Press Construction, Deduct	-6.15	
		For Stave Lumber Core (SLC), Add	230.51	
		For Structural Composite Lumber Core (SCLC), Add	138.30	
		For >50 To 100, Deduct	-26.44	
		For >100, Deduct	-37.81	
08 14 16 00-0346	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	470.07	77.03
		For 7 Ply Cold Press Construction, Deduct	-6.32	
		For Stave Lumber Core (SLC), Add	237.01	
		For Structural Composite Lumber Core (SCLC), Add	142.20	
		For >50 To 100, Deduct	-27.36	
		For >100, Deduct	-39.11	
08 14 16 00-0347	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	504.75	77.03
		For 7 Ply Cold Press Construction, Deduct	-7.01	
		For Stave Lumber Core (SLC), Add	263.02	
		For Structural Composite Lumber Core (SCLC), Add	157.81	
		For >50 To 100, Deduct	-29.09	
		For >100, Deduct	-41.71	
08 14 16 00-0348	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	533.57	80.24
		For 7 Ply Cold Press Construction, Deduct	-7.46	
		For Stave Lumber Core (SLC), Add	279.82	
		For Structural Composite Lumber Core (SCLC), Add	167.89	
		For >50 To 100, Deduct	-30.69	
		For >100, Deduct	-44.03	
08 14 16 00-0349	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	427.23	70.61
		For 7 Ply Cold Press Construction, Deduct	-5.72	
		For Stave Lumber Core (SLC), Add	214.50	
		For Structural Composite Lumber Core (SCLC), Add	128.70	
		For >50 To 100, Deduct	-24.89	
		For >100, Deduct	-35.57	
08 14 16 00-0350	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	427.23	70.61
		For 7 Ply Cold Press Construction, Deduct	-5.72	
		For Stave Lumber Core (SLC), Add	214.50	
		For Structural Composite Lumber Core (SCLC), Add	128.70	
		For >50 To 100, Deduct	-24.89	
		For >100, Deduct	-35.57	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0351	EA		2'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	448.72	73.82
			For 7 Ply Cold Press Construction, Deduct	-6.02	
			For Stave Lumber Core (SLC), Add	225.81	
			For Structural Composite Lumber Core (SCLC), Add	135.49	
			For >50 To 100, Deduct	-26.13	
			For >100, Deduct	-37.35	
08 14 16 00-0352	EA		2'-8" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	463.72	73.82
			For 7 Ply Cold Press Construction, Deduct	-6.32	
			For Stave Lumber Core (SLC), Add	237.06	
			For Structural Composite Lumber Core (SCLC), Add	142.24	
			For >50 To 100, Deduct	-26.88	
			For >100, Deduct	-38.47	
08 14 16 00-0353	EA		2'-10" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	472.86	73.82
			For 7 Ply Cold Press Construction, Deduct	-6.50	
			For Stave Lumber Core (SLC), Add	243.92	
			For Structural Composite Lumber Core (SCLC), Add	146.35	
			For >50 To 100, Deduct	-27.33	
			For >100, Deduct	-39.16	
08 14 16 00-0354	EA		3'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	488.46	77.03
			For 7 Ply Cold Press Construction, Deduct	-6.69	
			For Stave Lumber Core (SLC), Add	250.80	
			For Structural Composite Lumber Core (SCLC), Add	150.48	
			For >50 To 100, Deduct	-28.27	
			For >100, Deduct	-40.49	
08 14 16 00-0355	EA		3'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	525.16	77.03
			For 7 Ply Cold Press Construction, Deduct	-7.42	
			For Stave Lumber Core (SLC), Add	278.33	
			For Structural Composite Lumber Core (SCLC), Add	167.00	
			For >50 To 100, Deduct	-30.11	
			For >100, Deduct	-43.24	
08 14 16 00-0356	EA		3'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	555.30	80.24
			For 7 Ply Cold Press Construction, Deduct	-7.90	
			For Stave Lumber Core (SLC), Add	296.12	
			For Structural Composite Lumber Core (SCLC), Add	177.67	
			For >50 To 100, Deduct	-31.78	
			For >100, Deduct	-45.66	
08 14 16 00-0357	EA		2'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	482.99	70.61
			For 7 Ply Cold Press Construction, Deduct	-6.84	
			For Stave Lumber Core (SLC), Add	256.32	
			For Structural Composite Lumber Core (SCLC), Add	153.79	
			For >50 To 100, Deduct	-27.68	
			For >100, Deduct	-39.76	
			For 9' Door Height, Add	71.77	
08 14 16 00-0358	EA		2'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	482.99	70.61
			For 7 Ply Cold Press Construction, Deduct	-6.84	
			For Stave Lumber Core (SLC), Add	256.32	
			For Structural Composite Lumber Core (SCLC), Add	153.79	
			For >50 To 100, Deduct	-27.68	
			For >100, Deduct	-39.76	
			For 9' Door Height, Add	71.77	
08 14 16 00-0359	EA		2'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	507.43	73.82
			For 7 Ply Cold Press Construction, Deduct	-7.20	
			For Stave Lumber Core (SLC), Add	269.84	
			For Structural Composite Lumber Core (SCLC), Add	161.91	
			For >50 To 100, Deduct	-29.06	
			For >100, Deduct	-41.75	
			For 9' Door Height, Add	75.56	
08 14 16 00-0360	EA		2'-8" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	525.35	73.82
			For 7 Ply Cold Press Construction, Deduct	-7.55	
			For Stave Lumber Core (SLC), Add	283.28	
			For Structural Composite Lumber Core (SCLC), Add	169.97	
			For >50 To 100, Deduct	-29.96	
			For >100, Deduct	-43.09	
			For 9' Door Height, Add	79.32	
08 14 16 00-0361	EA		2'-10" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	536.27	73.82
			For 7 Ply Cold Press Construction, Deduct	-7.77	
			For Stave Lumber Core (SLC), Add	291.47	
			For Structural Composite Lumber Core (SCLC), Add	174.88	
			For >50 To 100, Deduct	-30.50	
			For >100, Deduct	-43.91	
			For 9' Door Height, Add	81.61	
08 14 16 00-0362	EA		3'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	553.68	77.03
			For 7 Ply Cold Press Construction, Deduct	-7.99	
			For Stave Lumber Core (SLC), Add	299.72	
			For Structural Composite Lumber Core (SCLC), Add	179.83	
			For >50 To 100, Deduct	-31.54	
			For >100, Deduct	-45.38	
			For 9' Door Height, Add	83.92	
08 14 16 00-0363	EA		3'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	597.53	77.03
			For 7 Ply Cold Press Construction, Deduct	-8.87	
			For Stave Lumber Core (SLC), Add	332.60	
			For Structural Composite Lumber Core (SCLC), Add	199.56	
			For >50 To 100, Deduct	-33.73	
			For >100, Deduct	-48.67	
			For 9' Door Height, Add	93.13	

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 14 16 00-0364	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	632.29	80.24
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-9.44	
		<i>For Stave Lumber Core (SLC), Add</i>	353.86	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	212.31	
		<i>For >50 To 100, Deduct</i>	-35.63	
		<i>For >100, Deduct</i>	-51.43	
		<i>For 9' Door Height, Add</i>	99.08	

08 14 16 00-0365 Maple Faced Wood Doors (08 14 16 00-0314)

08 14 16 00-0366	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	379.57	70.61
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.77	
		<i>For Stave Lumber Core (SLC), Add</i>	178.76	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	107.25	
		<i>For >50 To 100, Deduct</i>	-22.51	
		<i>For >100, Deduct</i>	-32.00	
08 14 16 00-0367	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	379.57	70.61
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.77	
		<i>For Stave Lumber Core (SLC), Add</i>	178.76	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	107.25	
		<i>For >50 To 100, Deduct</i>	-22.51	
		<i>For >100, Deduct</i>	-32.00	
08 14 16 00-0368	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	398.53	73.82
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.02	
		<i>For Stave Lumber Core (SLC), Add</i>	188.17	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	112.90	
		<i>For >50 To 100, Deduct</i>	-23.62	
		<i>For >100, Deduct</i>	-33.58	
08 14 16 00-0369	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	411.04	73.82
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.27	
		<i>For Stave Lumber Core (SLC), Add</i>	197.55	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	118.53	
		<i>For >50 To 100, Deduct</i>	-24.24	
		<i>For >100, Deduct</i>	-34.52	
08 14 16 00-0370	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	418.65	73.82
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.42	
		<i>For Stave Lumber Core (SLC), Add</i>	203.26	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	121.95	
		<i>For >50 To 100, Deduct</i>	-24.62	
		<i>For >100, Deduct</i>	-35.09	
08 14 16 00-0371	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	432.73	77.03
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.57	
		<i>For Stave Lumber Core (SLC), Add</i>	209.00	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	125.40	
		<i>For >50 To 100, Deduct</i>	-25.49	
		<i>For >100, Deduct</i>	-36.31	
08 14 16 00-0372	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	463.30	77.03
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.18	
		<i>For Stave Lumber Core (SLC), Add</i>	231.93	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	139.16	
		<i>For >50 To 100, Deduct</i>	-27.02	
		<i>For >100, Deduct</i>	-38.60	
08 14 16 00-0373	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	489.48	80.24
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.58	
		<i>For Stave Lumber Core (SLC), Add</i>	246.75	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	148.05	
		<i>For >50 To 100, Deduct</i>	-28.49	
		<i>For >100, Deduct</i>	-40.72	
08 14 16 00-0374	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	393.42	70.61
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.04	
		<i>For Stave Lumber Core (SLC), Add</i>	189.14	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	113.49	
		<i>For >50 To 100, Deduct</i>	-23.20	
		<i>For >100, Deduct</i>	-33.04	
08 14 16 00-0375	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	393.42	70.61
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.04	
		<i>For Stave Lumber Core (SLC), Add</i>	189.14	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	113.49	
		<i>For >50 To 100, Deduct</i>	-23.20	
		<i>For >100, Deduct</i>	-33.04	
08 14 16 00-0376	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	413.14	73.82
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.31	
		<i>For Stave Lumber Core (SLC), Add</i>	199.13	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	119.48	
		<i>For >50 To 100, Deduct</i>	-24.35	
		<i>For >100, Deduct</i>	-34.68	
08 14 16 00-0377	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	426.39	73.82
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.58	
		<i>For Stave Lumber Core (SLC), Add</i>	209.06	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	125.44	
		<i>For >50 To 100, Deduct</i>	-25.01	
		<i>For >100, Deduct</i>	-35.67	
08 14 16 00-0378	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	434.43	73.82
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.74	
		<i>For Stave Lumber Core (SLC), Add</i>	215.09	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	129.06	
		<i>For >50 To 100, Deduct</i>	-25.41	
		<i>For >100, Deduct</i>	-36.27	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0379	EA		3'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	448.96	77.03
			For 7 Ply Cold Press Construction, Deduct	-5.90	
			For Stave Lumber Core (SLC), Add	221.18	
			For Structural Composite Lumber Core (SCLC), Add	132.71	
			For >50 To 100, Deduct	-26.30	
			For >100, Deduct	-37.52	
08 14 16 00-0380	EA		3'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	481.31	77.03
			For 7 Ply Cold Press Construction, Deduct	-6.55	
			For Stave Lumber Core (SLC), Add	245.44	
			For Structural Composite Lumber Core (SCLC), Add	147.26	
			For >50 To 100, Deduct	-27.92	
			For >100, Deduct	-39.95	
08 14 16 00-0381	EA		3'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	508.64	80.24
			For 7 Ply Cold Press Construction, Deduct	-6.96	
			For Stave Lumber Core (SLC), Add	261.12	
			For Structural Composite Lumber Core (SCLC), Add	156.67	
			For >50 To 100, Deduct	-29.44	
			For >100, Deduct	-42.16	
08 14 16 00-0382	EA		2'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	442.61	70.61
			For 7 Ply Cold Press Construction, Deduct	-6.03	
			For Stave Lumber Core (SLC), Add	226.04	
			For Structural Composite Lumber Core (SCLC), Add	135.62	
			For >50 To 100, Deduct	-25.66	
			For >100, Deduct	-36.73	
			For 9' Door Height, Add	63.29	
08 14 16 00-0383	EA		2'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	442.61	70.61
			For 7 Ply Cold Press Construction, Deduct	-6.03	
			For Stave Lumber Core (SLC), Add	226.04	
			For Structural Composite Lumber Core (SCLC), Add	135.62	
			For >50 To 100, Deduct	-25.66	
			For >100, Deduct	-36.73	
			For 9' Door Height, Add	63.29	
08 14 16 00-0384	EA		2'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	464.91	73.82
			For 7 Ply Cold Press Construction, Deduct	-6.35	
			For Stave Lumber Core (SLC), Add	237.95	
			For Structural Composite Lumber Core (SCLC), Add	142.77	
			For >50 To 100, Deduct	-26.94	
			For >100, Deduct	-38.56	
			For 9' Door Height, Add	66.63	
08 14 16 00-0385	EA		2'-8" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	480.72	73.82
			For 7 Ply Cold Press Construction, Deduct	-6.66	
			For Stave Lumber Core (SLC), Add	249.81	
			For Structural Composite Lumber Core (SCLC), Add	149.89	
			For >50 To 100, Deduct	-27.73	
			For >100, Deduct	-39.75	
			For 9' Door Height, Add	69.95	
08 14 16 00-0386	EA		2'-10" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	490.36	73.82
			For 7 Ply Cold Press Construction, Deduct	-6.85	
			For Stave Lumber Core (SLC), Add	257.04	
			For Structural Composite Lumber Core (SCLC), Add	154.22	
			For >50 To 100, Deduct	-28.21	
			For >100, Deduct	-40.47	
			For 9' Door Height, Add	71.97	
08 14 16 00-0387	EA		3'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	506.45	77.03
			For 7 Ply Cold Press Construction, Deduct	-7.05	
			For Stave Lumber Core (SLC), Add	264.29	
			For Structural Composite Lumber Core (SCLC), Add	158.58	
			For >50 To 100, Deduct	-29.17	
			For >100, Deduct	-41.84	
			For 9' Door Height, Add	74.00	
08 14 16 00-0388	EA		3'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	545.13	77.03
			For 7 Ply Cold Press Construction, Deduct	-7.82	
			For Stave Lumber Core (SLC), Add	293.30	
			For Structural Composite Lumber Core (SCLC), Add	175.98	
			For >50 To 100, Deduct	-31.11	
			For >100, Deduct	-44.74	
			For 9' Door Height, Add	82.12	
08 14 16 00-0389	EA		3'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	576.53	80.24
			For 7 Ply Cold Press Construction, Deduct	-8.32	
			For Stave Lumber Core (SLC), Add	312.04	
			For Structural Composite Lumber Core (SCLC), Add	187.22	
			For >50 To 100, Deduct	-32.84	
			For >100, Deduct	-47.25	
			For 9' Door Height, Add	87.37	
08 14 16 00-0390			Lauan Faced Wood Doors (08 14 16 00-0314)		
08 14 16 00-0391	EA		2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	298.47	70.61
			For >50 To 100, Deduct	-18.45	
			For >100, Deduct	-25.92	
08 14 16 00-0392	EA		2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	298.47	70.61
			For >50 To 100, Deduct	-18.45	
			For >100, Deduct	-25.92	
08 14 16 00-0393	EA		2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	313.48	73.82
			For >50 To 100, Deduct	-19.37	
			For >100, Deduct	-27.20	
08 14 16 00-0394	EA		2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	322.15	73.82
			For >50 To 100, Deduct	-19.80	
			For >100, Deduct	-27.85	

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 14 16 00-0395	EA	2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	326.51	73.82
		For >50 To 100, Deduct	-20.02	
		For >100, Deduct	-28.18	
08 14 16 00-0396	EA	3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	337.32	77.03
		For >50 To 100, Deduct	-20.72	
		For >100, Deduct	-29.15	
08 14 16 00-0397	EA	3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	357.44	77.03
		For >50 To 100, Deduct	-21.72	
		For >100, Deduct	-30.66	
08 14 16 00-0398	EA	3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	379.80	80.24
		For >50 To 100, Deduct	-23.00	
		For >100, Deduct	-32.50	
08 14 16 00-0399	EA	2'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	307.62	70.61
		For >50 To 100, Deduct	-18.91	
		For >100, Deduct	-26.60	
08 14 16 00-0400	EA	2'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	307.62	70.61
		For >50 To 100, Deduct	-18.91	
		For >100, Deduct	-26.60	
08 14 16 00-0401	EA	2'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	323.15	73.82
		For >50 To 100, Deduct	-19.85	
		For >100, Deduct	-27.93	
08 14 16 00-0402	EA	2'-8" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	332.31	73.82
		For >50 To 100, Deduct	-20.31	
		For >100, Deduct	-28.61	
08 14 16 00-0403	EA	2'-10" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	336.93	73.82
		For >50 To 100, Deduct	-20.54	
		For >100, Deduct	-28.96	
08 14 16 00-0404	EA	3'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	347.97	77.03
		For >50 To 100, Deduct	-21.25	
		For >100, Deduct	-29.95	
08 14 16 00-0405	EA	3'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	369.29	77.03
		For >50 To 100, Deduct	-22.32	
		For >100, Deduct	-31.55	
08 14 16 00-0406	EA	3'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	392.55	80.24
		For >50 To 100, Deduct	-23.64	
		For >100, Deduct	-33.45	
08 14 16 00-0407	EA	2'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	340.08	70.61
		For >50 To 100, Deduct	-20.53	
		For >100, Deduct	-29.04	
		For 9' Door Height, Add	41.76	
08 14 16 00-0408	EA	2'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	340.08	70.61
		For >50 To 100, Deduct	-20.53	
		For >100, Deduct	-29.04	
		For 9' Door Height, Add	41.76	
08 14 16 00-0409	EA	2'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	357.36	73.82
		For >50 To 100, Deduct	-21.56	
		For >100, Deduct	-30.49	
		For 9' Door Height, Add	44.04	
08 14 16 00-0410	EA	2'-8" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	368.33	73.82
		For >50 To 100, Deduct	-22.11	
		For >100, Deduct	-31.32	
		For 9' Door Height, Add	46.34	
08 14 16 00-0411	EA	2'-10" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	373.85	73.82
		For >50 To 100, Deduct	-22.38	
		For >100, Deduct	-31.73	
		For 9' Door Height, Add	47.50	
08 14 16 00-0412	EA	3'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	385.79	77.03
		For >50 To 100, Deduct	-23.14	
		For >100, Deduct	-32.79	
		For 9' Door Height, Add	48.66	
08 14 16 00-0413	EA	3'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	411.26	77.03
		For >50 To 100, Deduct	-24.41	
		For >100, Deduct	-34.70	
		For 9' Door Height, Add	54.01	
08 14 16 00-0414	EA	3'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	437.80	80.24
		For >50 To 100, Deduct	-25.90	
		For >100, Deduct	-36.85	
		For 9' Door Height, Add	58.24	

08 14 16 00-0415 Medium Density Overlay (MDO) Faced Wood Doors (08 14 16 00-0314)

08 14 16 00-0416	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	268.20	70.61
		For Stave Lumber Core (SLC), Add	95.23	
		For Structural Composite Lumber Core (SCLC), Add	57.14	
		For >50 To 100, Deduct	-16.94	
		For >100, Deduct	-23.65	
08 14 16 00-0417	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	268.20	70.61
		For Stave Lumber Core (SLC), Add	95.23	
		For Structural Composite Lumber Core (SCLC), Add	57.14	
		For >50 To 100, Deduct	-16.94	
		For >100, Deduct	-23.65	
08 14 16 00-0418	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	281.99	73.82
		For Stave Lumber Core (SLC), Add	100.76	
		For Structural Composite Lumber Core (SCLC), Add	60.46	
		For >50 To 100, Deduct	-17.79	
		For >100, Deduct	-24.84	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0419	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	289.34	73.82	
		For Stave Lumber Core (SLC), Add	106.28		
		For Structural Composite Lumber Core (SCLC), Add	63.77		
		For >50 To 100, Deduct	-18.16		
		For >100, Deduct	-25.39		
08 14 16 00-0420	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	290.69	73.82	
		For Stave Lumber Core (SLC), Add	107.29		
		For Structural Composite Lumber Core (SCLC), Add	64.37		
		For >50 To 100, Deduct	-18.23		
		For >100, Deduct	-25.49		
08 14 16 00-0421	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	298.48	77.03	
		For Stave Lumber Core (SLC), Add	108.32		
		For Structural Composite Lumber Core (SCLC), Add	64.99		
		For >50 To 100, Deduct	-18.78		
		For >100, Deduct	-26.24		
08 14 16 00-0422	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	314.42	77.03	
		For Stave Lumber Core (SLC), Add	120.27		
		For Structural Composite Lumber Core (SCLC), Add	72.16		
		For >50 To 100, Deduct	-19.57		
		For >100, Deduct	-27.43		
08 14 16 00-0423	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	349.88	80.24	
		For Stave Lumber Core (SLC), Add	142.05		
		For Structural Composite Lumber Core (SCLC), Add	85.23		
		For >50 To 100, Deduct	-21.51		
		For >100, Deduct	-30.25		
08 14 16 00-0424	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	275.59	70.61	
		For Stave Lumber Core (SLC), Add	100.77		
		For Structural Composite Lumber Core (SCLC), Add	60.46		
		For >50 To 100, Deduct	-17.31		
		For >100, Deduct	-24.20		
08 14 16 00-0425	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	275.60	70.61	
		For Stave Lumber Core (SLC), Add	100.78		
		For Structural Composite Lumber Core (SCLC), Add	60.47		
		For >50 To 100, Deduct	-17.31		
		For >100, Deduct	-24.20		
08 14 16 00-0426	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	289.81	73.82	
		For Stave Lumber Core (SLC), Add	106.63		
		For Structural Composite Lumber Core (SCLC), Add	63.98		
		For >50 To 100, Deduct	-18.18		
		For >100, Deduct	-25.43		
08 14 16 00-0427	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	297.59	73.82	
		For Stave Lumber Core (SLC), Add	112.46		
		For Structural Composite Lumber Core (SCLC), Add	67.48		
		For >50 To 100, Deduct	-18.57		
		For >100, Deduct	-26.01		
08 14 16 00-0428	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	299.03	73.82	
		For Stave Lumber Core (SLC), Add	113.54		
		For Structural Composite Lumber Core (SCLC), Add	68.13		
		For >50 To 100, Deduct	-18.64		
		For >100, Deduct	-26.12		
08 14 16 00-0429	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	306.89	77.03	
		For Stave Lumber Core (SLC), Add	114.62		
		For Structural Composite Lumber Core (SCLC), Add	68.77		
		For >50 To 100, Deduct	-19.20		
		For >100, Deduct	-26.87		
08 14 16 00-0430	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	323.75	77.03	
		For Stave Lumber Core (SLC), Add	127.27		
		For Structural Composite Lumber Core (SCLC), Add	76.36		
		For >50 To 100, Deduct	-20.04		
		For >100, Deduct	-28.13		
08 14 16 00-0431	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	360.92	80.24	
		For Stave Lumber Core (SLC), Add	150.33		
		For Structural Composite Lumber Core (SCLC), Add	90.20		
		For >50 To 100, Deduct	-22.06		
		For >100, Deduct	-31.08		
08 14 16 00-0432	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	301.78	70.61	
		For Stave Lumber Core (SLC), Add	120.41		
		For Structural Composite Lumber Core (SCLC), Add	72.25		
		For >50 To 100, Deduct	-18.62		
		For >100, Deduct	-26.16		
		For 9' Door Height, Add	33.72		
08 14 16 00-0433	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	301.81	70.61	
		For Stave Lumber Core (SLC), Add	120.44		
		For Structural Composite Lumber Core (SCLC), Add	72.26		
		For >50 To 100, Deduct	-18.62		
		For >100, Deduct	-26.17		
		For 9' Door Height, Add	33.72		
08 14 16 00-0434	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	317.53	73.82	
		For Stave Lumber Core (SLC), Add	127.42		
		For Structural Composite Lumber Core (SCLC), Add	76.45		
		For >50 To 100, Deduct	-19.57		
		For >100, Deduct	-27.51		
		For 9' Door Height, Add	35.68		
08 14 16 00-0435	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	326.82	73.82	
		For Stave Lumber Core (SLC), Add	134.39		
		For Structural Composite Lumber Core (SCLC), Add	80.63		
		For >50 To 100, Deduct	-20.03		
		For >100, Deduct	-28.20		
		For 9' Door Height, Add	37.63		

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 14 16 00-0436	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	328.54	73.82
		For Stave Lumber Core (SLC), Add	135.68	
		For Structural Composite Lumber Core (SCLC), Add	81.41	
		For >50 To 100, Deduct	-20.12	
		For >100, Deduct	-28.33	
		For 9' Door Height, Add	37.99	
08 14 16 00-0437	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	336.70	77.03
		For Stave Lumber Core (SLC), Add	136.98	
		For Structural Composite Lumber Core (SCLC), Add	82.19	
		For >50 To 100, Deduct	-20.69	
		For >100, Deduct	-29.10	
		For 9' Door Height, Add	38.35	
08 14 16 00-0438	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	356.85	77.03
		For Stave Lumber Core (SLC), Add	152.09	
		For Structural Composite Lumber Core (SCLC), Add	91.26	
		For >50 To 100, Deduct	-21.69	
		For >100, Deduct	-30.62	
		For 9' Door Height, Add	42.59	
08 14 16 00-0439	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	400.01	80.24
		For Stave Lumber Core (SLC), Add	179.65	
		For Structural Composite Lumber Core (SCLC), Add	107.79	
		For >50 To 100, Deduct	-24.01	
		For >100, Deduct	-34.01	
		For 9' Door Height, Add	50.30	

08 14 16 00-0440 1-3/4" Thick, Particleboard Core (PC), Wood Doors (08 14 16)

Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.

08 14 16 00-0441 Birch Faced Wood Doors (08 14 16 00-0440)

08 14 16 00-0442	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	337.16	70.61
		For 7 Ply Cold Press Construction, Deduct	-3.92	
		For Stave Lumber Core (SLC), Add	146.95	
		For Structural Composite Lumber Core (SCLC), Add	88.17	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	23.51	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	105.80	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	146.95	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	235.12	
		For >50 To 100, Deduct	-20.39	
		For >100, Deduct	-28.82	
08 14 16 00-0443	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	337.16	70.61
		For 7 Ply Cold Press Construction, Deduct	-3.92	
		For Stave Lumber Core (SLC), Add	146.95	
		For Structural Composite Lumber Core (SCLC), Add	88.17	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	23.51	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	105.80	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	146.95	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	235.12	
		For >50 To 100, Deduct	-20.39	
		For >100, Deduct	-28.82	
08 14 16 00-0444	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	333.24	73.82
		For 7 Ply Cold Press Construction, Deduct	-3.71	
		For Stave Lumber Core (SLC), Add	139.20	
		For Structural Composite Lumber Core (SCLC), Add	83.52	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	22.27	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	100.22	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	139.20	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	222.72	
		For >50 To 100, Deduct	-20.35	
		For >100, Deduct	-28.68	
08 14 16 00-0445	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	340.98	73.82
		For 7 Ply Cold Press Construction, Deduct	-3.87	
		For Stave Lumber Core (SLC), Add	145.01	
		For Structural Composite Lumber Core (SCLC), Add	87.00	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	23.20	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	104.40	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	145.01	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	232.01	
		For >50 To 100, Deduct	-20.74	
		For >100, Deduct	-29.26	
08 14 16 00-0446	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	346.15	73.82
		For 7 Ply Cold Press Construction, Deduct	-3.97	
		For Stave Lumber Core (SLC), Add	148.88	
		For Structural Composite Lumber Core (SCLC), Add	89.33	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	23.82	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	107.20	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	148.88	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	238.21	
		For >50 To 100, Deduct	-21.00	
		For >100, Deduct	-29.65	
08 14 16 00-0447	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	357.72	77.03
		For 7 Ply Cold Press Construction, Deduct	-4.07	
		For Stave Lumber Core (SLC), Add	152.75	
		For Structural Composite Lumber Core (SCLC), Add	91.65	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	24.44	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	109.98	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	152.75	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	244.39	
		For >50 To 100, Deduct	-21.74	
		For >100, Deduct	-30.68	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0448	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	380.12	77.03	
		For 7 Ply Cold Press Construction, Deduct	-4.52		
		For Stave Lumber Core (SLC), Add	169.55		
		For Structural Composite Lumber Core (SCLC), Add	101.73		
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	27.13		
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	122.07		
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	169.55		
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	271.27		
		For >50 To 100, Deduct	-22.86		
		For >100, Deduct	-32.36		
08 14 16 00-0449	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	434.94	80.24	
		For 7 Ply Cold Press Construction, Deduct	-5.49		
		For Stave Lumber Core (SLC), Add	205.85		
		For Structural Composite Lumber Core (SCLC), Add	123.51		
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	32.94		
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	148.21		
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	205.85		
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	329.35		
		For >50 To 100, Deduct	-25.76		
		For >100, Deduct	-36.63		
08 14 16 00-0450	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	448.66	80.24	
		For 7 Ply Cold Press Construction, Deduct	-5.76		
		For Stave Lumber Core (SLC), Add	216.14		
		For Structural Composite Lumber Core (SCLC), Add	129.68		
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	34.58		
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	155.62		
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	216.14		
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	345.82		
		For >50 To 100, Deduct	-26.45		
		For >100, Deduct	-37.66		
08 14 16 00-0451	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	488.94	86.66	
		For 7 Ply Cold Press Construction, Deduct	-6.31		
		For Stave Lumber Core (SLC), Add	236.72		
		For Structural Composite Lumber Core (SCLC), Add	142.03		
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	37.87		
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	170.43		
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	236.72		
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	378.74		
		For >50 To 100, Deduct	-28.78		
		For >100, Deduct	-41.00		
08 14 16 00-0452	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	327.89	70.61	
		For 7 Ply Cold Press Construction, Deduct	-3.73		
		For Stave Lumber Core (SLC), Add	140.00		
		For Structural Composite Lumber Core (SCLC), Add	84.00		
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	22.40		
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	100.80		
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	140.00		
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	223.99		
		For >50 To 100, Deduct	-19.93		
		For >100, Deduct	-28.12		
08 14 16 00-0453	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	327.89	70.61	
		For 7 Ply Cold Press Construction, Deduct	-3.73		
		For Stave Lumber Core (SLC), Add	140.00		
		For Structural Composite Lumber Core (SCLC), Add	84.00		
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	22.40		
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	100.80		
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	140.00		
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	223.99		
		For >50 To 100, Deduct	-19.93		
		For >100, Deduct	-28.12		
08 14 16 00-0454	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	344.05	73.82	
		For 7 Ply Cold Press Construction, Deduct	-3.93		
		For Stave Lumber Core (SLC), Add	147.31		
		For Structural Composite Lumber Core (SCLC), Add	88.38		
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	23.57		
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	106.06		
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	147.31		
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	235.69		
		For >50 To 100, Deduct	-20.89		
		For >100, Deduct	-29.49		
08 14 16 00-0455	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	352.24	73.82	
		For 7 Ply Cold Press Construction, Deduct	-4.09		
		For Stave Lumber Core (SLC), Add	153.45		
		For Structural Composite Lumber Core (SCLC), Add	92.07		
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	24.55		
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	110.48		
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	153.45		
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	245.52		
		For >50 To 100, Deduct	-21.30		
		For >100, Deduct	-30.11		
08 14 16 00-0456	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	357.71	73.82	
		For 7 Ply Cold Press Construction, Deduct	-4.20		
		For Stave Lumber Core (SLC), Add	157.55		
		For Structural Composite Lumber Core (SCLC), Add	94.53		
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	25.21		
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	113.44		
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	157.55		
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	252.08		
		For >50 To 100, Deduct	-21.58		
		For >100, Deduct	-30.52		

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 14 16 00-0457	EA 3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	369.57	77.03
	For 7 Ply Cold Press Construction, Deduct	-4.31	
	For Stave Lumber Core (SLC), Add	161.63	
	For Structural Composite Lumber Core (SCLC), Add	96.98	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	25.86	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	116.38	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	161.63	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	258.61	
	For >50 To 100, Deduct	-22.33	
	For >100, Deduct	-31.57	
08 14 16 00-0458	EA 3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	393.27	77.03
	For 7 Ply Cold Press Construction, Deduct	-4.78	
	For Stave Lumber Core (SLC), Add	179.41	
	For Structural Composite Lumber Core (SCLC), Add	107.64	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	28.71	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	129.17	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	179.41	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	287.05	
	For >50 To 100, Deduct	-23.52	
	For >100, Deduct	-33.35	
08 14 16 00-0459	EA 3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	450.92	80.24
	For 7 Ply Cold Press Construction, Deduct	-5.81	
	For Stave Lumber Core (SLC), Add	217.83	
	For Structural Composite Lumber Core (SCLC), Add	130.70	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	34.85	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	156.84	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	217.83	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	348.53	
	For >50 To 100, Deduct	-26.56	
	For >100, Deduct	-37.83	
08 14 16 00-0460	EA 3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	465.44	80.24
	For 7 Ply Cold Press Construction, Deduct	-6.10	
	For Stave Lumber Core (SLC), Add	228.72	
	For Structural Composite Lumber Core (SCLC), Add	137.23	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	36.60	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	164.68	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	228.72	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	365.95	
	For >50 To 100, Deduct	-27.28	
	For >100, Deduct	-38.92	
08 14 16 00-0461	EA 4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	507.31	86.66
	For 7 Ply Cold Press Construction, Deduct	-6.68	
	For Stave Lumber Core (SLC), Add	250.49	
	For Structural Composite Lumber Core (SCLC), Add	150.30	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	40.08	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	180.35	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	250.49	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	400.79	
	For >50 To 100, Deduct	-29.70	
	For >100, Deduct	-42.38	
08 14 16 00-0462	EA 2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	388.98	70.61
	For 7 Ply Cold Press Construction, Deduct	-4.96	
	For Stave Lumber Core (SLC), Add	185.81	
	For Structural Composite Lumber Core (SCLC), Add	111.49	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	29.73	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	133.79	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	185.81	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	297.30	
	For >50 To 100, Deduct	-22.98	
	For >100, Deduct	-32.70	
	For 9' Door Height, Add	52.03	
08 14 16 00-0463	EA 2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	388.98	70.61
	For 7 Ply Cold Press Construction, Deduct	-4.96	
	For Stave Lumber Core (SLC), Add	185.81	
	For Structural Composite Lumber Core (SCLC), Add	111.49	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	29.73	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	133.79	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	185.81	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	297.30	
	For >50 To 100, Deduct	-22.98	
	For >100, Deduct	-32.70	
	For 9' Door Height, Add	52.03	
08 14 16 00-0464	EA 2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	382.35	73.82
	For 7 Ply Cold Press Construction, Deduct	-4.69	
	For Stave Lumber Core (SLC), Add	176.03	
	For Structural Composite Lumber Core (SCLC), Add	105.62	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	28.17	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	126.74	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	176.03	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	281.65	
	For >50 To 100, Deduct	-22.81	
	For >100, Deduct	-32.37	
	For 9' Door Height, Add	49.29	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0465	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	.....	392.12	73.82
		For 7 Ply Cold Press Construction, Deduct		-4.89	
		For Stave Lumber Core (SLC), Add		183.36	
		For Structural Composite Lumber Core (SCLC), Add		110.02	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		29.34	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		132.02	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		183.36	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		293.38	
		For >50 To 100, Deduct		-23.30	
		For >100, Deduct		-33.10	
		For 9' Door Height, Add		51.34	
08 14 16 00-0466	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	.....	398.66	73.82
		For 7 Ply Cold Press Construction, Deduct		-5.02	
		For Stave Lumber Core (SLC), Add		188.27	
		For Structural Composite Lumber Core (SCLC), Add		112.96	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		30.12	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		135.55	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		188.27	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		301.22	
		For >50 To 100, Deduct		-23.62	
		For >100, Deduct		-33.59	
		For 9' Door Height, Add		52.71	
08 14 16 00-0467	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	.....	411.58	77.03
		For 7 Ply Cold Press Construction, Deduct		-5.15	
		For Stave Lumber Core (SLC), Add		193.14	
		For Structural Composite Lumber Core (SCLC), Add		115.88	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		30.90	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		139.06	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		193.14	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		309.02	
		For >50 To 100, Deduct		-24.43	
		For >100, Deduct		-34.72	
		For 9' Door Height, Add		54.08	
08 14 16 00-0468	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	.....	439.91	77.03
		For 7 Ply Cold Press Construction, Deduct		-5.72	
		For Stave Lumber Core (SLC), Add		214.39	
		For Structural Composite Lumber Core (SCLC), Add		128.63	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		34.30	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		154.36	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		214.39	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		343.02	
		For >50 To 100, Deduct		-25.85	
		For >100, Deduct		-36.84	
		For 9' Door Height, Add		60.03	
08 14 16 00-0469	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	.....	507.54	80.24
		For 7 Ply Cold Press Construction, Deduct		-6.94	
		For Stave Lumber Core (SLC), Add		260.30	
		For Structural Composite Lumber Core (SCLC), Add		156.18	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		41.65	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		187.41	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		260.30	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		416.47	
		For >50 To 100, Deduct		-29.39	
		For >100, Deduct		-42.08	
		For 9' Door Height, Add		72.88	
08 14 16 00-0470	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	.....	524.89	80.24
		For 7 Ply Cold Press Construction, Deduct		-7.29	
		For Stave Lumber Core (SLC), Add		273.31	
		For Structural Composite Lumber Core (SCLC), Add		163.98	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		43.73	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		196.78	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		273.31	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		437.29	
		For >50 To 100, Deduct		-30.26	
		For >100, Deduct		-43.38	
		For 9' Door Height, Add		76.53	
08 14 16 00-0471	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	.....	572.44	86.66
		For 7 Ply Cold Press Construction, Deduct		-7.98	
		For Stave Lumber Core (SLC), Add		299.34	
		For Structural Composite Lumber Core (SCLC), Add		179.60	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		47.89	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		215.52	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		299.34	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		478.94	
		For >50 To 100, Deduct		-32.96	
		For >100, Deduct		-47.27	
		For 9' Door Height, Add		83.82	
08 14 16 00-0472	Oak Faced Wood Doors (08 14 16 00-0440)				
08 14 16 00-0473	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	.....	501.34	70.61
		For 7 Ply Cold Press Construction, Deduct		-7.20	
		For Stave Lumber Core (SLC), Add		270.08	
		For Structural Composite Lumber Core (SCLC), Add		162.05	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		43.21	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		194.46	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		270.08	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		432.13	
		For >50 To 100, Deduct		-28.60	
		For >100, Deduct		-41.13	

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 14 16 00-0474	EA 2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	501.34	70.61
	For 7 Ply Cold Press Construction, Deduct	-7.20	
	For Stave Lumber Core (SLC), Add	270.08	
	For Structural Composite Lumber Core (SCLC), Add	162.05	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	43.21	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	194.46	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	270.08	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	432.13	
	For >50 To 100, Deduct	-28.60	
	For >100, Deduct	-41.13	
08 14 16 00-0475	EA 2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	507.75	73.82
	For 7 Ply Cold Press Construction, Deduct	-7.20	
	For Stave Lumber Core (SLC), Add	270.08	
	For Structural Composite Lumber Core (SCLC), Add	162.05	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	43.21	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	194.46	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	270.08	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	432.13	
	For >50 To 100, Deduct	-29.08	
	For >100, Deduct	-41.77	
08 14 16 00-0476	EA 2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	511.45	73.82
	For 7 Ply Cold Press Construction, Deduct	-7.28	
	For Stave Lumber Core (SLC), Add	272.86	
	For Structural Composite Lumber Core (SCLC), Add	163.71	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	43.66	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	196.46	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	272.86	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	436.57	
	For >50 To 100, Deduct	-29.26	
	For >100, Deduct	-42.05	
08 14 16 00-0477	EA 2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	513.12	73.82
	For 7 Ply Cold Press Construction, Deduct	-7.31	
	For Stave Lumber Core (SLC), Add	274.11	
	For Structural Composite Lumber Core (SCLC), Add	164.47	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	43.86	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	197.36	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	274.11	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	438.58	
	For >50 To 100, Deduct	-29.35	
	For >100, Deduct	-42.18	
08 14 16 00-0478	EA 3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	521.21	77.03
	For 7 Ply Cold Press Construction, Deduct	-7.34	
	For Stave Lumber Core (SLC), Add	275.36	
	For Structural Composite Lumber Core (SCLC), Add	165.22	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	44.06	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	198.26	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	275.36	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	440.58	
	For >50 To 100, Deduct	-29.91	
	For >100, Deduct	-42.94	
08 14 16 00-0479	EA 3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	561.54	77.03
	For 7 Ply Cold Press Construction, Deduct	-8.15	
	For Stave Lumber Core (SLC), Add	305.61	
	For Structural Composite Lumber Core (SCLC), Add	183.37	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	48.90	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	220.04	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	305.61	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	488.98	
	For >50 To 100, Deduct	-31.93	
	For >100, Deduct	-45.97	
08 14 16 00-0480	EA 3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	671.80	80.24
	For 7 Ply Cold Press Construction, Deduct	-10.23	
	For Stave Lumber Core (SLC), Add	383.49	
	For Structural Composite Lumber Core (SCLC), Add	230.09	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	61.36	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	276.11	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	383.49	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	613.58	
	For >50 To 100, Deduct	-37.60	
	For >100, Deduct	-54.40	
08 14 16 00-0481	EA 3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	697.73	80.24
	For 7 Ply Cold Press Construction, Deduct	-10.75	
	For Stave Lumber Core (SLC), Add	402.94	
	For Structural Composite Lumber Core (SCLC), Add	241.76	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	64.47	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	290.12	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	402.94	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	644.70	
	For >50 To 100, Deduct	-38.90	
	For >100, Deduct	-56.34	
08 14 16 00-0482	EA 4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	761.35	86.66
	For 7 Ply Cold Press Construction, Deduct	-11.76	
	For Stave Lumber Core (SLC), Add	441.02	
	For Structural Composite Lumber Core (SCLC), Add	264.61	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	70.56	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	317.54	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	441.02	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	705.64	
	For >50 To 100, Deduct	-42.40	
	For >100, Deduct	-61.43	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0483	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	522.29	70.61	
		For 7 Ply Cold Press Construction, Deduct	-7.62		
		For Stave Lumber Core (SLC), Add	285.80		
		For Structural Composite Lumber Core (SCLC), Add	171.48		
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	45.73		
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	205.77		
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	285.80		
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	457.27		
		For >50 To 100, Deduct	-29.65		
		For >100, Deduct	-42.70		
08 14 16 00-0484	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	522.29	70.61	
		For 7 Ply Cold Press Construction, Deduct	-7.62		
		For Stave Lumber Core (SLC), Add	285.80		
		For Structural Composite Lumber Core (SCLC), Add	171.48		
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	45.73		
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	205.77		
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	285.80		
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	457.27		
		For >50 To 100, Deduct	-29.65		
		For >100, Deduct	-42.70		
08 14 16 00-0485	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	528.70	73.82	
		For 7 Ply Cold Press Construction, Deduct	-7.62		
		For Stave Lumber Core (SLC), Add	285.80		
		For Structural Composite Lumber Core (SCLC), Add	171.48		
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	45.73		
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	205.77		
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	285.80		
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	457.27		
		For >50 To 100, Deduct	-30.13		
		For >100, Deduct	-43.34		
08 14 16 00-0486	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	532.61	73.82	
		For 7 Ply Cold Press Construction, Deduct	-7.70		
		For Stave Lumber Core (SLC), Add	288.73		
		For Structural Composite Lumber Core (SCLC), Add	173.24		
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	46.20		
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	207.88		
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	288.73		
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	461.96		
		For >50 To 100, Deduct	-30.32		
		For >100, Deduct	-43.64		
08 14 16 00-0487	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	534.39	73.82	
		For 7 Ply Cold Press Construction, Deduct	-7.74		
		For Stave Lumber Core (SLC), Add	290.06		
		For Structural Composite Lumber Core (SCLC), Add	174.04		
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	46.41		
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	208.85		
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	290.06		
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	464.10		
		For >50 To 100, Deduct	-30.41		
		For >100, Deduct	-43.77		
08 14 16 00-0488	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	542.59	77.03	
		For 7 Ply Cold Press Construction, Deduct	-7.77		
		For Stave Lumber Core (SLC), Add	291.40		
		For Structural Composite Lumber Core (SCLC), Add	174.84		
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	46.62		
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	209.81		
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	291.40		
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	466.24		
		For >50 To 100, Deduct	-30.98		
		For >100, Deduct	-44.55		
08 14 16 00-0489	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	585.26	77.03	
		For 7 Ply Cold Press Construction, Deduct	-8.62		
		For Stave Lumber Core (SLC), Add	323.40		
		For Structural Composite Lumber Core (SCLC), Add	194.04		
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	51.74		
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	232.85		
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	323.40		
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	517.44		
		For >50 To 100, Deduct	-33.11		
		For >100, Deduct	-47.75		
08 14 16 00-0490	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	701.57	80.24	
		For 7 Ply Cold Press Construction, Deduct	-10.82		
		For Stave Lumber Core (SLC), Add	405.82		
		For Structural Composite Lumber Core (SCLC), Add	243.49		
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	64.93		
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	292.19		
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	405.82		
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	649.31		
		For >50 To 100, Deduct	-39.09		
		For >100, Deduct	-56.63		
08 14 16 00-0491	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	728.99	80.24	
		For 7 Ply Cold Press Construction, Deduct	-11.37		
		For Stave Lumber Core (SLC), Add	426.38		
		For Structural Composite Lumber Core (SCLC), Add	255.83		
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	68.22		
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	307.00		
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	426.38		
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	682.21		
		For >50 To 100, Deduct	-40.46		
		For >100, Deduct	-58.69		

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 14 16 00-0492	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	795.57	86.66
		For 7 Ply Cold Press Construction, Deduct	-12.45	
		For Stave Lumber Core (SLC), Add	466.69	
		For Structural Composite Lumber Core (SCLC), Add	280.01	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	74.67	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	336.02	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	466.69	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	746.70	
		For >50 To 100, Deduct	-44.11	
		For >100, Deduct	-64.00	
08 14 16 00-0493	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	596.58	70.61
		For 7 Ply Cold Press Construction, Deduct	-9.11	
		For Stave Lumber Core (SLC), Add	341.51	
		For Structural Composite Lumber Core (SCLC), Add	204.91	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	54.64	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	245.89	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	341.51	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	546.42	
		For >50 To 100, Deduct	-33.36	
		For >100, Deduct	-48.27	
		For 9' Door Height, Add	95.62	
08 14 16 00-0494	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	596.58	70.61
		For 7 Ply Cold Press Construction, Deduct	-9.11	
		For Stave Lumber Core (SLC), Add	341.51	
		For Structural Composite Lumber Core (SCLC), Add	204.91	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	54.64	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	245.89	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	341.51	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	546.42	
		For >50 To 100, Deduct	-33.36	
		For >100, Deduct	-48.27	
		For 9' Door Height, Add	95.62	
08 14 16 00-0495	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	602.99	73.82
		For 7 Ply Cold Press Construction, Deduct	-9.11	
		For Stave Lumber Core (SLC), Add	341.51	
		For Structural Composite Lumber Core (SCLC), Add	204.91	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	54.64	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	245.89	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	341.51	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	546.42	
		For >50 To 100, Deduct	-33.84	
		For >100, Deduct	-48.92	
		For 9' Door Height, Add	95.62	
08 14 16 00-0496	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	607.68	73.82
		For 7 Ply Cold Press Construction, Deduct	-9.20	
		For Stave Lumber Core (SLC), Add	345.03	
		For Structural Composite Lumber Core (SCLC), Add	207.02	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	55.20	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	248.42	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	345.03	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	552.05	
		For >50 To 100, Deduct	-34.08	
		For >100, Deduct	-49.27	
		For 9' Door Height, Add	96.61	
08 14 16 00-0497	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	609.82	73.82
		For 7 Ply Cold Press Construction, Deduct	-9.24	
		For Stave Lumber Core (SLC), Add	346.64	
		For Structural Composite Lumber Core (SCLC), Add	207.98	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	55.46	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	249.58	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	346.64	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	554.62	
		For >50 To 100, Deduct	-34.18	
		For >100, Deduct	-49.43	
		For 9' Door Height, Add	97.06	
08 14 16 00-0498	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	618.34	77.03
		For 7 Ply Cold Press Construction, Deduct	-9.29	
		For Stave Lumber Core (SLC), Add	348.21	
		For Structural Composite Lumber Core (SCLC), Add	208.93	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	55.71	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	250.71	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	348.21	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	557.14	
		For >50 To 100, Deduct	-34.77	
		For >100, Deduct	-50.23	
		For 9' Door Height, Add	97.50	
08 14 16 00-0499	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	669.33	77.03
		For 7 Ply Cold Press Construction, Deduct	-10.31	
		For Stave Lumber Core (SLC), Add	386.45	
		For Structural Composite Lumber Core (SCLC), Add	231.87	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	61.83	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	278.25	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	386.45	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	618.32	
		For >50 To 100, Deduct	-37.32	
		For >100, Deduct	-54.05	
		For 9' Door Height, Add	108.21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0500	EA		3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	807.09	80.24
			For 7 Ply Cold Press Construction, Deduct	-12.93	
			For Stave Lumber Core (SLC), Add	484.96	
			For Structural Composite Lumber Core (SCLC), Add	290.97	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	77.59	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	349.17	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	484.96	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	775.93	
			For >50 To 100, Deduct	-44.37	
			For >100, Deduct	-64.54	
			For 9' Door Height, Add	135.79	
08 14 16 00-0501	EA		3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	839.84	80.24
			For 7 Ply Cold Press Construction, Deduct	-13.59	
			For Stave Lumber Core (SLC), Add	509.52	
			For Structural Composite Lumber Core (SCLC), Add	305.71	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	81.52	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	366.85	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	509.52	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	815.23	
			For >50 To 100, Deduct	-46.00	
			For >100, Deduct	-67.00	
			For 9' Door Height, Add	142.67	
08 14 16 00-0502	EA		4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	916.91	86.66
			For 7 Ply Cold Press Construction, Deduct	-14.87	
			For Stave Lumber Core (SLC), Add	557.69	
			For Structural Composite Lumber Core (SCLC), Add	334.62	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	89.23	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	401.54	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	557.69	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	892.31	
			For >50 To 100, Deduct	-50.18	
			For >100, Deduct	-73.10	
			For 9' Door Height, Add	156.15	
08 14 16 00-0503 Maple Faced Wood Doors (08 14 16 00-0440)					
08 14 16 00-0504	EA		2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	458.78	70.61
			For 7 Ply Cold Press Construction, Deduct	-6.35	
			For Stave Lumber Core (SLC), Add	238.16	
			For Structural Composite Lumber Core (SCLC), Add	142.90	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	38.11	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	171.48	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	238.16	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	381.06	
			For >50 To 100, Deduct	-26.47	
			For >100, Deduct	-37.94	
08 14 16 00-0505	EA		2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	458.78	70.61
			For 7 Ply Cold Press Construction, Deduct	-6.35	
			For Stave Lumber Core (SLC), Add	238.16	
			For Structural Composite Lumber Core (SCLC), Add	142.90	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	38.11	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	171.48	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	238.16	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	381.06	
			For >50 To 100, Deduct	-26.47	
			For >100, Deduct	-37.94	
08 14 16 00-0506	EA		2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	465.19	73.82
			For 7 Ply Cold Press Construction, Deduct	-6.35	
			For Stave Lumber Core (SLC), Add	238.16	
			For Structural Composite Lumber Core (SCLC), Add	142.90	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	38.11	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	171.48	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	238.16	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	381.06	
			For >50 To 100, Deduct	-26.95	
			For >100, Deduct	-38.58	
08 14 16 00-0507	EA		2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	468.46	73.82
			For 7 Ply Cold Press Construction, Deduct	-6.42	
			For Stave Lumber Core (SLC), Add	240.62	
			For Structural Composite Lumber Core (SCLC), Add	144.37	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	38.50	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	173.24	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	240.62	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	384.98	
			For >50 To 100, Deduct	-27.11	
			For >100, Deduct	-38.83	
08 14 16 00-0508	EA		2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	469.92	73.82
			For 7 Ply Cold Press Construction, Deduct	-6.45	
			For Stave Lumber Core (SLC), Add	241.71	
			For Structural Composite Lumber Core (SCLC), Add	145.03	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	38.67	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	174.03	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	241.71	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	386.74	
			For >50 To 100, Deduct	-27.19	
			For >100, Deduct	-38.94	

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 14 16 00-0509	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	477.83	77.03
		For 7 Ply Cold Press Construction, Deduct	-6.48	
		For Stave Lumber Core (SLC), Add	242.83	
		For Structural Composite Lumber Core (SCLC), Add	145.70	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	38.85	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	174.84	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	242.83	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	388.52	
		For >50 To 100, Deduct	-27.74	
		For >100, Deduct	-39.69	
08 14 16 00-0510	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	513.40	77.03
		For 7 Ply Cold Press Construction, Deduct	-7.19	
		For Stave Lumber Core (SLC), Add	269.51	
		For Structural Composite Lumber Core (SCLC), Add	161.70	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	43.12	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	194.04	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	269.51	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	431.21	
		For >50 To 100, Deduct	-29.52	
		For >100, Deduct	-42.36	
08 14 16 00-0511	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	588.84	80.24
		For 7 Ply Cold Press Construction, Deduct	-8.57	
		For Stave Lumber Core (SLC), Add	321.27	
		For Structural Composite Lumber Core (SCLC), Add	192.76	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	51.40	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	231.31	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	321.27	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	514.03	
		For >50 To 100, Deduct	-33.45	
		For >100, Deduct	-48.18	
08 14 16 00-0512	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	633.92	80.24
		For 7 Ply Cold Press Construction, Deduct	-9.47	
		For Stave Lumber Core (SLC), Add	355.08	
		For Structural Composite Lumber Core (SCLC), Add	213.05	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	56.81	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	255.66	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	355.08	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	568.13	
		For >50 To 100, Deduct	-35.71	
		For >100, Deduct	-51.56	
08 14 16 00-0513	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	679.06	80.24
		For 7 Ply Cold Press Construction, Deduct	-10.37	
		For Stave Lumber Core (SLC), Add	388.94	
		For Structural Composite Lumber Core (SCLC), Add	233.36	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	62.23	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	280.03	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	388.94	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	622.30	
		For >50 To 100, Deduct	-37.97	
		For >100, Deduct	-54.94	
08 14 16 00-0514	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	477.26	70.61
		For 7 Ply Cold Press Construction, Deduct	-6.72	
		For Stave Lumber Core (SLC), Add	252.02	
		For Structural Composite Lumber Core (SCLC), Add	151.21	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	40.32	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	181.46	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	252.02	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	403.24	
		For >50 To 100, Deduct	-27.39	
		For >100, Deduct	-39.33	
08 14 16 00-0515	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	477.26	70.61
		For 7 Ply Cold Press Construction, Deduct	-6.72	
		For Stave Lumber Core (SLC), Add	252.02	
		For Structural Composite Lumber Core (SCLC), Add	151.21	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	40.32	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	181.46	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	252.02	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	403.24	
		For >50 To 100, Deduct	-27.39	
		For >100, Deduct	-39.33	
08 14 16 00-0516	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	483.67	73.82
		For 7 Ply Cold Press Construction, Deduct	-6.72	
		For Stave Lumber Core (SLC), Add	252.02	
		For Structural Composite Lumber Core (SCLC), Add	151.21	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	40.32	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	181.46	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	252.02	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	403.24	
		For >50 To 100, Deduct	-27.87	
		For >100, Deduct	-39.97	
08 14 16 00-0517	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	487.12	73.82
		For 7 Ply Cold Press Construction, Deduct	-6.79	
		For Stave Lumber Core (SLC), Add	254.61	
		For Structural Composite Lumber Core (SCLC), Add	152.77	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	40.74	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	183.32	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	254.61	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	407.38	
		For >50 To 100, Deduct	-28.05	
		For >100, Deduct	-40.23	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0518	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	.....	488.69	73.82
		For 7 Ply Cold Press Construction, Deduct		-6.82	
		For Stave Lumber Core (SLC), Add		255.79	
		For Structural Composite Lumber Core (SCLC), Add		153.47	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		40.93	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		184.17	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		255.79	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		409.26	
		For >50 To 100, Deduct		-28.13	
		For >100, Deduct		-40.34	
08 14 16 00-0519	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	.....	496.68	77.03
		For 7 Ply Cold Press Construction, Deduct		-6.85	
		For Stave Lumber Core (SLC), Add		256.97	
		For Structural Composite Lumber Core (SCLC), Add		154.18	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		41.11	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		185.01	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		256.97	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		411.14	
		For >50 To 100, Deduct		-28.69	
		For >100, Deduct		-41.10	
08 14 16 00-0520	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	.....	534.31	77.03
		For 7 Ply Cold Press Construction, Deduct		-7.61	
		For Stave Lumber Core (SLC), Add		285.19	
		For Structural Composite Lumber Core (SCLC), Add		171.11	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		45.63	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		205.34	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		285.19	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		456.30	
		For >50 To 100, Deduct		-30.57	
		For >100, Deduct		-43.92	
08 14 16 00-0521	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	.....	613.77	80.24
		For 7 Ply Cold Press Construction, Deduct		-9.07	
		For Stave Lumber Core (SLC), Add		339.97	
		For Structural Composite Lumber Core (SCLC), Add		203.98	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		54.39	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		244.78	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		339.97	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		543.95	
		For >50 To 100, Deduct		-34.70	
		For >100, Deduct		-50.04	
08 14 16 00-0522	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	.....	661.49	80.24
		For 7 Ply Cold Press Construction, Deduct		-10.02	
		For Stave Lumber Core (SLC), Add		375.76	
		For Structural Composite Lumber Core (SCLC), Add		225.45	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		60.12	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		270.55	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		375.76	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		601.21	
		For >50 To 100, Deduct		-37.09	
		For >100, Deduct		-53.62	
08 14 16 00-0523	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	.....	709.24	80.24
		For 7 Ply Cold Press Construction, Deduct		-10.98	
		For Stave Lumber Core (SLC), Add		411.57	
		For Structural Composite Lumber Core (SCLC), Add		246.94	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		65.85	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		296.33	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		411.57	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		658.51	
		For >50 To 100, Deduct		-39.47	
		For >100, Deduct		-57.21	
08 14 16 00-0524	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	.....	542.78	70.61
		For 7 Ply Cold Press Construction, Deduct		-8.03	
		For Stave Lumber Core (SLC), Add		301.16	
		For Structural Composite Lumber Core (SCLC), Add		180.70	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		48.19	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		216.84	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		301.16	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		481.86	
		For >50 To 100, Deduct		-30.67	
		For >100, Deduct		-44.24	
		For 9' Door Height, Add		84.33	
08 14 16 00-0525	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	.....	542.78	70.61
		For 7 Ply Cold Press Construction, Deduct		-8.03	
		For Stave Lumber Core (SLC), Add		301.16	
		For Structural Composite Lumber Core (SCLC), Add		180.70	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		48.19	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		216.84	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		301.16	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		481.86	
		For >50 To 100, Deduct		-30.67	
		For >100, Deduct		-44.24	
		For 9' Door Height, Add		84.33	

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 14 16 00-0526	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	549.19	73.82
		For 7 Ply Cold Press Construction, Deduct	-8.03	
		For Stave Lumber Core (SLC), Add	301.16	
		For Structural Composite Lumber Core (SCLC), Add	180.70	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	48.19	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	216.84	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	301.16	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	481.86	
		For >50 To 100, Deduct	-31.15	
		For >100, Deduct	-44.88	
		For 9' Door Height, Add	84.33	
08 14 16 00-0527	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	553.32	73.82
		For 7 Ply Cold Press Construction, Deduct	-8.11	
		For Stave Lumber Core (SLC), Add	304.26	
		For Structural Composite Lumber Core (SCLC), Add	182.56	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	48.68	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	219.07	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	304.26	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	486.82	
		For >50 To 100, Deduct	-31.36	
		For >100, Deduct	-45.19	
		For 9' Door Height, Add	85.19	
08 14 16 00-0528	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	555.20	73.82
		For 7 Ply Cold Press Construction, Deduct	-8.15	
		For Stave Lumber Core (SLC), Add	305.67	
		For Structural Composite Lumber Core (SCLC), Add	183.40	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	48.91	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	220.08	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	305.67	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	489.07	
		For >50 To 100, Deduct	-31.45	
		For >100, Deduct	-45.33	
		For 9' Door Height, Add	85.59	
08 14 16 00-0529	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	563.48	77.03
		For 7 Ply Cold Press Construction, Deduct	-8.19	
		For Stave Lumber Core (SLC), Add	307.07	
		For Structural Composite Lumber Core (SCLC), Add	184.24	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	49.13	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	221.09	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	307.07	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	491.30	
		For >50 To 100, Deduct	-32.03	
		For >100, Deduct	-46.11	
		For 9' Door Height, Add	85.98	
08 14 16 00-0530	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	608.45	77.03
		For 7 Ply Cold Press Construction, Deduct	-9.09	
		For Stave Lumber Core (SLC), Add	340.79	
		For Structural Composite Lumber Core (SCLC), Add	204.48	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	54.53	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	245.37	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	340.79	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	545.27	
		For >50 To 100, Deduct	-34.27	
		For >100, Deduct	-49.49	
		For 9' Door Height, Add	95.42	
08 14 16 00-0531	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	702.16	80.24
		For 7 Ply Cold Press Construction, Deduct	-10.83	
		For Stave Lumber Core (SLC), Add	406.26	
		For Structural Composite Lumber Core (SCLC), Add	243.76	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	65.00	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	292.51	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	406.26	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	650.02	
		For >50 To 100, Deduct	-39.12	
		For >100, Deduct	-56.67	
		For 9' Door Height, Add	113.75	
08 14 16 00-0532	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	759.18	80.24
		For 7 Ply Cold Press Construction, Deduct	-11.97	
		For Stave Lumber Core (SLC), Add	449.03	
		For Structural Composite Lumber Core (SCLC), Add	269.42	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	71.84	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	323.30	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	449.03	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	718.44	
		For >50 To 100, Deduct	-41.97	
		For >100, Deduct	-60.95	
		For 9' Door Height, Add	125.73	
08 14 16 00-0533	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	816.23	80.24
		For 7 Ply Cold Press Construction, Deduct	-13.12	
		For Stave Lumber Core (SLC), Add	491.81	
		For Structural Composite Lumber Core (SCLC), Add	295.09	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	78.69	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	354.11	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	491.81	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	786.90	
		For >50 To 100, Deduct	-44.82	
		For >100, Deduct	-65.23	
		For 9' Door Height, Add	137.71	

08 14 16 00-0534 Walnut Faced Wood Doors (08 14 16 00-0440)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0535	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	.....	693.74	70.61
		For 7 Ply Cold Press Construction, Deduct		-11.05	
		For Stave Lumber Core (SLC), Add		414.38	
		For Structural Composite Lumber Core (SCLC), Add		248.63	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		66.30	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		298.36	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		414.38	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		663.01	
		For >50 To 100, Deduct		-38.22	
		For >100, Deduct		-55.56	
08 14 16 00-0536	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	.....	693.74	70.61
		For 7 Ply Cold Press Construction, Deduct		-11.05	
		For Stave Lumber Core (SLC), Add		414.38	
		For Structural Composite Lumber Core (SCLC), Add		248.63	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		66.30	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		298.36	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		414.38	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		663.01	
		For >50 To 100, Deduct		-38.22	
		For >100, Deduct		-55.56	
08 14 16 00-0537	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	.....	700.32	73.82
		For 7 Ply Cold Press Construction, Deduct		-11.05	
		For Stave Lumber Core (SLC), Add		414.51	
		For Structural Composite Lumber Core (SCLC), Add		248.71	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		66.32	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		298.45	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		414.51	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		663.22	
		For >50 To 100, Deduct		-38.71	
		For >100, Deduct		-56.22	
08 14 16 00-0538	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	.....	706.01	73.82
		For 7 Ply Cold Press Construction, Deduct		-11.17	
		For Stave Lumber Core (SLC), Add		418.78	
		For Structural Composite Lumber Core (SCLC), Add		251.27	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		67.00	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		301.52	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		418.78	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		670.04	
		For >50 To 100, Deduct		-38.99	
		For >100, Deduct		-56.64	
08 14 16 00-0539	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	.....	720.92	73.82
		For 7 Ply Cold Press Construction, Deduct		-11.47	
		For Stave Lumber Core (SLC), Add		429.96	
		For Structural Composite Lumber Core (SCLC), Add		257.98	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		68.79	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		309.57	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		429.96	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		687.94	
		For >50 To 100, Deduct		-39.74	
		For >100, Deduct		-57.76	
08 14 16 00-0540	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	.....	742.20	77.03
		For 7 Ply Cold Press Construction, Deduct		-11.76	
		For Stave Lumber Core (SLC), Add		441.11	
		For Structural Composite Lumber Core (SCLC), Add		264.66	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		70.58	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		317.60	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		441.11	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		705.77	
		For >50 To 100, Deduct		-40.96	
		For >100, Deduct		-59.52	
08 14 16 00-0541	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	.....	780.82	77.03
		For 7 Ply Cold Press Construction, Deduct		-12.54	
		For Stave Lumber Core (SLC), Add		470.07	
		For Structural Composite Lumber Core (SCLC), Add		282.04	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		75.21	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		338.45	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		470.07	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		752.11	
		For >50 To 100, Deduct		-42.89	
		For >100, Deduct		-62.41	
08 14 16 00-0542	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	.....	950.26	80.24
		For 7 Ply Cold Press Construction, Deduct		-15.80	
		For Stave Lumber Core (SLC), Add		592.34	
		For Structural Composite Lumber Core (SCLC), Add		355.40	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		94.77	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		426.48	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		592.34	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		947.74	
		For >50 To 100, Deduct		-51.53	
		For >100, Deduct		-75.28	
08 14 16 00-0543	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	.....	989.74	80.24
		For 7 Ply Cold Press Construction, Deduct		-16.59	
		For Stave Lumber Core (SLC), Add		621.95	
		For Structural Composite Lumber Core (SCLC), Add		373.17	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		99.51	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		447.80	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		621.95	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		995.11	
		For >50 To 100, Deduct		-53.50	
		For >100, Deduct		-78.24	

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 14 16 00-0544	EA 4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	1,068.76	80.24
	For 7 Ply Cold Press Construction, Deduct	-18.17	
	For Stave Lumber Core (SLC), Add	681.21	
	For Structural Composite Lumber Core (SCLC), Add	408.73	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	108.99	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	490.47	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	681.21	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	1,089.94	
	For >50 To 100, Deduct	-57.45	
	For >100, Deduct	-84.17	
08 14 16 00-0545	EA 2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	725.89	70.61
	For 7 Ply Cold Press Construction, Deduct	-11.69	
	For Stave Lumber Core (SLC), Add	438.50	
	For Structural Composite Lumber Core (SCLC), Add	263.10	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	70.16	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	315.72	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	438.50	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	701.59	
	For >50 To 100, Deduct	-39.83	
	For >100, Deduct	-57.97	
08 14 16 00-0546	EA 2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	725.89	70.61
	For 7 Ply Cold Press Construction, Deduct	-11.69	
	For Stave Lumber Core (SLC), Add	438.50	
	For Structural Composite Lumber Core (SCLC), Add	263.10	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	70.16	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	315.72	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	438.50	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	701.59	
	For >50 To 100, Deduct	-39.83	
	For >100, Deduct	-57.97	
08 14 16 00-0547	EA 2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	732.47	73.82
	For 7 Ply Cold Press Construction, Deduct	-11.70	
	For Stave Lumber Core (SLC), Add	438.62	
	For Structural Composite Lumber Core (SCLC), Add	263.17	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	70.18	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	315.81	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	438.62	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	701.80	
	For >50 To 100, Deduct	-40.31	
	For >100, Deduct	-58.63	
08 14 16 00-0548	EA 2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	738.52	73.82
	For 7 Ply Cold Press Construction, Deduct	-11.82	
	For Stave Lumber Core (SLC), Add	443.16	
	For Structural Composite Lumber Core (SCLC), Add	265.90	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	70.91	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	319.08	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	443.16	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	709.06	
	For >50 To 100, Deduct	-40.62	
	For >100, Deduct	-59.08	
08 14 16 00-0549	EA 2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	754.27	73.82
	For 7 Ply Cold Press Construction, Deduct	-12.13	
	For Stave Lumber Core (SLC), Add	454.97	
	For Structural Composite Lumber Core (SCLC), Add	272.98	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	72.80	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	327.58	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	454.97	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	727.96	
	For >50 To 100, Deduct	-41.40	
	For >100, Deduct	-60.26	
08 14 16 00-0550	EA 3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	776.41	77.03
	For 7 Ply Cold Press Construction, Deduct	-12.45	
	For Stave Lumber Core (SLC), Add	466.76	
	For Structural Composite Lumber Core (SCLC), Add	280.06	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	74.68	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	336.07	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	466.76	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	746.82	
	For >50 To 100, Deduct	-42.67	
	For >100, Deduct	-62.08	
08 14 16 00-0551	EA 3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	817.31	77.03
	For 7 Ply Cold Press Construction, Deduct	-13.27	
	For Stave Lumber Core (SLC), Add	497.44	
	For Structural Composite Lumber Core (SCLC), Add	298.46	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	79.59	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	358.16	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	497.44	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	795.90	
	For >50 To 100, Deduct	-44.72	
	For >100, Deduct	-65.15	
08 14 16 00-0552	EA 3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	996.21	80.24
	For 7 Ply Cold Press Construction, Deduct	-16.71	
	For Stave Lumber Core (SLC), Add	626.80	
	For Structural Composite Lumber Core (SCLC), Add	376.08	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	100.29	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	451.29	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	626.80	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	1,002.88	
	For >50 To 100, Deduct	-53.82	
	For >100, Deduct	-78.73	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0553	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	.....	1,038.00	80.24
		For 7 Ply Cold Press Construction, Deduct		-17.55	
		For Stave Lumber Core (SLC), Add		658.14	
		For Structural Composite Lumber Core (SCLC), Add		394.88	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		105.30	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		473.86	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		658.14	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		1,053.02	
		For >50 To 100, Deduct		-55.91	
		For >100, Deduct		-81.86	
08 14 16 00-0554	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	.....	1,121.61	80.24
		For 7 Ply Cold Press Construction, Deduct		-19.22	
		For Stave Lumber Core (SLC), Add		720.85	
		For Structural Composite Lumber Core (SCLC), Add		432.51	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		115.34	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		519.01	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		720.85	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		1,153.36	
		For >50 To 100, Deduct		-60.09	
		For >100, Deduct		-88.13	
08 14 16 00-0555	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	.....	839.90	70.61
		For 7 Ply Cold Press Construction, Deduct		-13.97	
		For Stave Lumber Core (SLC), Add		524.00	
		For Structural Composite Lumber Core (SCLC), Add		314.40	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		83.84	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		377.28	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		524.00	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		838.40	
		For >50 To 100, Deduct		-45.53	
		For >100, Deduct		-66.52	
		For 9' Door Height, Add		146.72	
08 14 16 00-0556	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	.....	839.90	70.61
		For 7 Ply Cold Press Construction, Deduct		-13.97	
		For Stave Lumber Core (SLC), Add		524.00	
		For Structural Composite Lumber Core (SCLC), Add		314.40	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		83.84	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		377.28	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		524.00	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		838.40	
		For >50 To 100, Deduct		-45.53	
		For >100, Deduct		-66.52	
		For 9' Door Height, Add		146.72	
08 14 16 00-0557	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	.....	846.52	73.82
		For 7 Ply Cold Press Construction, Deduct		-13.98	
		For Stave Lumber Core (SLC), Add		524.16	
		For Structural Composite Lumber Core (SCLC), Add		314.50	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		83.87	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		377.40	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		524.16	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		838.66	
		For >50 To 100, Deduct		-46.02	
		For >100, Deduct		-67.18	
		For 9' Door Height, Add		146.76	
08 14 16 00-0558	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	.....	853.74	73.82
		For 7 Ply Cold Press Construction, Deduct		-14.12	
		For Stave Lumber Core (SLC), Add		529.58	
		For Structural Composite Lumber Core (SCLC), Add		317.75	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		84.73	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		381.29	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		529.58	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		847.32	
		For >50 To 100, Deduct		-46.38	
		For >100, Deduct		-67.72	
		For 9' Door Height, Add		148.28	
08 14 16 00-0559	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	.....	872.56	73.82
		For 7 Ply Cold Press Construction, Deduct		-14.50	
		For Stave Lumber Core (SLC), Add		543.69	
		For Structural Composite Lumber Core (SCLC), Add		326.21	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		86.99	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		391.46	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		543.69	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		869.90	
		For >50 To 100, Deduct		-47.32	
		For >100, Deduct		-69.13	
		For 9' Door Height, Add		152.23	
08 14 16 00-0560	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	.....	897.79	77.03
		For 7 Ply Cold Press Construction, Deduct		-14.87	
		For Stave Lumber Core (SLC), Add		557.80	
		For Structural Composite Lumber Core (SCLC), Add		334.68	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		89.25	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		401.61	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		557.80	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		892.48	
		For >50 To 100, Deduct		-48.74	
		For >100, Deduct		-71.19	
		For 9' Door Height, Add		156.18	

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 14 16 00-0561	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	946.65	77.03
		For 7 Ply Cold Press Construction, Deduct	-15.85	
		For Stave Lumber Core (SLC), Add	594.44	
		For Structural Composite Lumber Core (SCLC), Add	356.67	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	95.11	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	428.00	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	594.44	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	951.11	
		For >50 To 100, Deduct	-51.18	
		For >100, Deduct	-74.85	
		For 9' Door Height, Add	166.44	
08 14 16 00-0562	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	1,159.20	80.24
		For 7 Ply Cold Press Construction, Deduct	-19.97	
		For Stave Lumber Core (SLC), Add	749.04	
		For Structural Composite Lumber Core (SCLC), Add	449.42	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	119.85	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	539.31	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	749.04	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	1,198.46	
		For >50 To 100, Deduct	-61.97	
		For >100, Deduct	-90.95	
		For 9' Door Height, Add	209.73	
08 14 16 00-0563	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	1,209.13	80.24
		For 7 Ply Cold Press Construction, Deduct	-20.97	
		For Stave Lumber Core (SLC), Add	786.49	
		For Structural Composite Lumber Core (SCLC), Add	471.89	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	125.84	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	566.27	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	786.49	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	1,258.38	
		For >50 To 100, Deduct	-64.47	
		For >100, Deduct	-94.70	
		For 9' Door Height, Add	220.22	
08 14 16 00-0564	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	1,309.02	80.24
		For 7 Ply Cold Press Construction, Deduct	-22.97	
		For Stave Lumber Core (SLC), Add	861.41	
		For Structural Composite Lumber Core (SCLC), Add	516.84	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	137.82	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	620.21	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	861.41	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	1,378.25	
		For >50 To 100, Deduct	-69.46	
		For >100, Deduct	-102.19	
		For 9' Door Height, Add	241.19	

08 14 16 00-0565 Lauan Faced Wood Doors (08 14 16 00-0440)

08 14 16 00-0566	EA	2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	355.27	70.61
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	25.68	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	115.58	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	160.53	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	256.85	
		For >50 To 100, Deduct	-21.29	
		For >100, Deduct	-30.18	
08 14 16 00-0567	EA	2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	355.27	70.61
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	25.68	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	115.58	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	160.53	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	256.85	
		For >50 To 100, Deduct	-21.29	
		For >100, Deduct	-30.18	
08 14 16 00-0568	EA	2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	362.30	73.82
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	25.76	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	115.92	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	161.00	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	257.59	
		For >50 To 100, Deduct	-21.81	
		For >100, Deduct	-30.86	
08 14 16 00-0569	EA	2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	368.47	73.82
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	26.50	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	119.25	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	165.62	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	265.00	
		For >50 To 100, Deduct	-22.11	
		For >100, Deduct	-31.33	
08 14 16 00-0570	EA	2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	370.69	73.82
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	26.77	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	120.45	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	167.29	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	267.66	
		For >50 To 100, Deduct	-22.23	
		For >100, Deduct	-31.49	
08 14 16 00-0571	EA	3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	379.34	77.03
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	27.03	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	121.65	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	168.96	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	270.34	
		For >50 To 100, Deduct	-22.82	
		For >100, Deduct	-32.30	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0572	EA		3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	399.70	77.03
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	29.48	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	132.65	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	184.23	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	294.77	
			For >50 To 100, Deduct	-23.84	
			For >100, Deduct	-33.83	
08 14 16 00-0573	EA		3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	423.64	80.24
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	31.58	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	142.11	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	197.37	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	315.79	
			For >50 To 100, Deduct	-25.19	
			For >100, Deduct	-35.79	
08 14 16 00-0574	EA		3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	436.80	80.24
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	33.16	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	149.21	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	207.24	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	331.58	
			For >50 To 100, Deduct	-25.85	
			For >100, Deduct	-36.77	
08 14 16 00-0575	EA		4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	463.13	80.24
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	36.32	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	163.43	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	226.99	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	363.18	
			For >50 To 100, Deduct	-27.17	
			For >100, Deduct	-38.75	
08 14 16 00-0576	EA		2'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	367.71	70.61
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	27.18	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	122.30	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	169.86	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	271.78	
			For >50 To 100, Deduct	-21.92	
			For >100, Deduct	-31.11	
08 14 16 00-0577	EA		2'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	367.71	70.61
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	27.18	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	122.30	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	169.86	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	271.78	
			For >50 To 100, Deduct	-21.92	
			For >100, Deduct	-31.11	
08 14 16 00-0578	EA		2'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	374.78	73.82
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	27.26	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	122.66	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	170.36	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	272.57	
			For >50 To 100, Deduct	-22.43	
			For >100, Deduct	-31.80	
08 14 16 00-0579	EA		2'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	381.30	73.82
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	28.04	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	126.18	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	175.25	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	280.39	
			For >50 To 100, Deduct	-22.76	
			For >100, Deduct	-32.29	
08 14 16 00-0580	EA		2'-10" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	383.69	73.82
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	28.33	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	127.47	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	177.04	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	283.26	
			For >50 To 100, Deduct	-22.88	
			For >100, Deduct	-32.47	
08 14 16 00-0581	EA		3'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	392.45	77.03
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	28.61	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	128.73	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	178.79	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	286.07	
			For >50 To 100, Deduct	-23.47	
			For >100, Deduct	-33.29	
08 14 16 00-0582	EA		3'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	414.00	77.03
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	31.19	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	140.37	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	194.96	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	311.93	
			For >50 To 100, Deduct	-24.55	
			For >100, Deduct	-34.90	
08 14 16 00-0583	EA		3'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	438.96	80.24
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	33.42	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	150.38	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	208.86	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	334.18	
			For >50 To 100, Deduct	-25.96	
			For >100, Deduct	-36.93	
08 14 16 00-0584	EA		3'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	452.88	80.24
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	35.09	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	157.90	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	219.30	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	350.88	
			For >50 To 100, Deduct	-26.66	
			For >100, Deduct	-37.98	

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 14 16 00-0585	EA	4'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	480.75	80.24
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	38.43	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	172.95	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	240.20	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	384.32	
		For >50 To 100, Deduct	-28.05	
		For >100, Deduct	-40.07	
08 14 16 00-0586	EA	2'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	411.86	70.61
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	32.48	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	146.14	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	202.97	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	324.76	
		For >50 To 100, Deduct	-24.12	
		For >100, Deduct	-34.42	
		For 9' Door Height, Add	56.83	
08 14 16 00-0587	EA	2'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	411.86	70.61
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	32.48	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	146.14	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	202.97	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	324.76	
		For >50 To 100, Deduct	-24.12	
		For >100, Deduct	-34.42	
		For 9' Door Height, Add	56.83	
08 14 16 00-0588	EA	2'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	419.06	73.82
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	32.57	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	146.57	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	203.57	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	325.70	
		For >50 To 100, Deduct	-24.64	
		For >100, Deduct	-35.12	
		For 9' Door Height, Add	57.00	
08 14 16 00-0589	EA	2'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	426.88	73.82
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	33.51	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	150.79	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	209.43	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	335.09	
		For >50 To 100, Deduct	-25.04	
		For >100, Deduct	-35.71	
		For 9' Door Height, Add	58.64	
08 14 16 00-0590	EA	2'-10" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	429.72	73.82
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	33.85	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	152.32	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	211.56	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	338.50	
		For >50 To 100, Deduct	-25.18	
		For >100, Deduct	-35.92	
		For 9' Door Height, Add	59.24	
08 14 16 00-0591	EA	3'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	438.95	77.03
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	34.19	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	153.84	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	213.67	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	341.87	
		For >50 To 100, Deduct	-25.80	
		For >100, Deduct	-36.77	
		For 9' Door Height, Add	59.83	
08 14 16 00-0592	EA	3'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	464.70	77.03
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	37.28	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	167.75	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	232.98	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	372.77	
		For >50 To 100, Deduct	-27.09	
		For >100, Deduct	-38.70	
		For 9' Door Height, Add	65.23	
08 14 16 00-0593	EA	3'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	493.26	80.24
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	39.93	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	179.70	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	249.59	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	399.34	
		For >50 To 100, Deduct	-28.68	
		For >100, Deduct	-41.01	
		For 9' Door Height, Add	69.88	
08 14 16 00-0594	EA	3'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	509.89	80.24
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	41.93	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	188.68	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	262.06	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	419.29	
		For >50 To 100, Deduct	-29.51	
		For >100, Deduct	-42.25	
		For 9' Door Height, Add	73.38	
08 14 16 00-0595	EA	4'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	543.20	80.24
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	45.93	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	206.67	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	287.04	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	459.26	
		For >50 To 100, Deduct	-31.17	
		For >100, Deduct	-44.75	
		For 9' Door Height, Add	80.37	

08 14 16 00-0596 Medium Density Overlay (MDO) Wood Doors (08 14 16 00-0440)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0597	EA		2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For >50 To 100, Deduct For >100, Deduct	300.78 119.66 71.80 19.15 -18.57 -26.09	70.61
08 14 16 00-0598	EA		2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For >50 To 100, Deduct For >100, Deduct	300.78 119.66 71.80 19.15 -18.57 -26.09	70.61
08 14 16 00-0599	EA		2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For >50 To 100, Deduct For >100, Deduct	316.43 126.59 75.96 20.25 -19.51 -27.42	73.82
08 14 16 00-0600	EA		2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For >50 To 100, Deduct For >100, Deduct	325.65 133.51 80.10 21.36 -19.97 -28.11	73.82
08 14 16 00-0601	EA		2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For >50 To 100, Deduct For >100, Deduct	327.36 134.79 80.87 21.57 -20.06 -28.24	73.82
08 14 16 00-0602	EA		3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For >50 To 100, Deduct For >100, Deduct	335.52 136.10 81.66 21.78 -20.63 -29.02	77.03
08 14 16 00-0603	EA		3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For >50 To 100, Deduct For >100, Deduct	355.52 151.10 90.66 24.18 -21.63 -30.52	77.03
08 14 16 00-0604	EA		3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For >50 To 100, Deduct For >100, Deduct	398.47 178.49 107.10 28.56 -23.94 -33.90	80.24
08 14 16 00-0605	EA		3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For >50 To 100, Deduct For >100, Deduct	410.38 187.43 112.46 29.99 -24.53 -34.79	80.24
08 14 16 00-0606	EA		4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For >50 To 100, Deduct For >100, Deduct	434.16 205.26 123.16 32.84 -25.72 -36.57	80.24
08 14 16 00-0607	EA		2'-0" x 7" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door..... For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For >50 To 100, Deduct For >100, Deduct	310.07 126.63 75.98 20.26 -19.03 -26.79	70.61
08 14 16 00-0608	EA		2'-4" x 7" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door..... For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For >50 To 100, Deduct For >100, Deduct	310.07 126.63 75.98 20.26 -19.03 -26.79	70.61
08 14 16 00-0609	EA		2'-6" x 7" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door..... For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For >50 To 100, Deduct For >100, Deduct	326.26 133.97 80.38 21.43 -20.00 -28.16	73.82
08 14 16 00-0610	EA		2'-8" x 7" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door..... For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For >50 To 100, Deduct For >100, Deduct	336.01 141.28 84.77 22.60 -20.49 -28.89	73.82
08 14 16 00-0611	EA		2'-10" x 7" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door..... For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For >50 To 100, Deduct For >100, Deduct	337.83 142.64 85.59 22.82 -20.58 -29.03	73.82

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 14 16 00-0612	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	346.09	77.03
		For Stave Lumber Core (SLC), Add	144.02	
		For Structural Composite Lumber Core (SCLC), Add	86.41	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	23.04	
		For >50 To 100, Deduct	-21.16	
		For >100, Deduct	-29.81	
08 14 16 00-0613	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	367.24	77.03
		For Stave Lumber Core (SLC), Add	159.89	
		For Structural Composite Lumber Core (SCLC), Add	95.93	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	25.58	
		For >50 To 100, Deduct	-22.21	
		For >100, Deduct	-31.39	
08 14 16 00-0614	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	412.32	80.24
		For Stave Lumber Core (SLC), Add	188.88	
		For Structural Composite Lumber Core (SCLC), Add	113.33	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	30.22	
		For >50 To 100, Deduct	-24.63	
		For >100, Deduct	-34.94	
08 14 16 00-0615	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	424.92	80.24
		For Stave Lumber Core (SLC), Add	198.33	
		For Structural Composite Lumber Core (SCLC), Add	119.00	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	31.73	
		For >50 To 100, Deduct	-25.26	
		For >100, Deduct	-35.88	
08 14 16 00-0616	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	450.09	80.24
		For Stave Lumber Core (SLC), Add	217.21	
		For Structural Composite Lumber Core (SCLC), Add	130.32	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	34.75	
		For >50 To 100, Deduct	-26.52	
		For >100, Deduct	-37.77	
08 14 16 00-0617	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	342.99	70.61
		For Stave Lumber Core (SLC), Add	151.32	
		For Structural Composite Lumber Core (SCLC), Add	90.79	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	24.21	
		For >50 To 100, Deduct	-20.68	
		For >100, Deduct	-29.26	
		For 9' Door Height, Add	42.37	
08 14 16 00-0618	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	342.99	70.61
		For Stave Lumber Core (SLC), Add	151.32	
		For Structural Composite Lumber Core (SCLC), Add	90.79	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	24.21	
		For >50 To 100, Deduct	-20.68	
		For >100, Deduct	-29.26	
		For 9' Door Height, Add	42.37	
08 14 16 00-0619	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	361.09	73.82
		For Stave Lumber Core (SLC), Add	160.09	
		For Structural Composite Lumber Core (SCLC), Add	96.05	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	25.61	
		For >50 To 100, Deduct	-21.75	
		For >100, Deduct	-30.77	
		For 9' Door Height, Add	44.82	
08 14 16 00-0620	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	372.76	73.82
		For Stave Lumber Core (SLC), Add	168.84	
		For Structural Composite Lumber Core (SCLC), Add	101.30	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	27.01	
		For >50 To 100, Deduct	-22.33	
		For >100, Deduct	-31.65	
		For 9' Door Height, Add	47.28	
08 14 16 00-0621	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	374.92	73.82
		For Stave Lumber Core (SLC), Add	170.46	
		For Structural Composite Lumber Core (SCLC), Add	102.28	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	27.27	
		For >50 To 100, Deduct	-22.44	
		For >100, Deduct	-31.81	
		For 9' Door Height, Add	47.73	
08 14 16 00-0622	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	383.54	77.03
		For Stave Lumber Core (SLC), Add	172.11	
		For Structural Composite Lumber Core (SCLC), Add	103.27	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	27.54	
		For >50 To 100, Deduct	-23.03	
		For >100, Deduct	-32.62	
		For 9' Door Height, Add	48.19	
08 14 16 00-0623	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	408.81	77.03
		For Stave Lumber Core (SLC), Add	191.06	
		For Structural Composite Lumber Core (SCLC), Add	114.64	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	30.57	
		For >50 To 100, Deduct	-24.29	
		For >100, Deduct	-34.51	
		For 9' Door Height, Add	53.50	
08 14 16 00-0624	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	461.41	80.24
		For Stave Lumber Core (SLC), Add	225.70	
		For Structural Composite Lumber Core (SCLC), Add	135.42	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	36.11	
		For >50 To 100, Deduct	-27.08	
		For >100, Deduct	-38.62	
		For 9' Door Height, Add	63.20	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0625	EA		3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	476.49	80.24
			For Stave Lumber Core (SLC), Add	237.01	
			For Structural Composite Lumber Core (SCLC), Add	142.20	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	37.92	
			For >50 To 100, Deduct	-27.84	
			For >100, Deduct	-39.75	
			For 9' Door Height, Add	66.36	
08 14 16 00-0626	EA		4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	506.56	80.24
			For Stave Lumber Core (SLC), Add	259.56	
			For Structural Composite Lumber Core (SCLC), Add	155.74	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	41.53	
			For >50 To 100, Deduct	-29.34	
			For >100, Deduct	-42.00	
			For 9' Door Height, Add	72.68	
08 14 16 00-0627			Manufacturer Prefinished Options For Flush Wood Doors (08 14 16)		
08 14 16 00-0628	EA		Two Coats, Clear Or Colored Catalyzed Polyurethane Factory Finish For Flush Wood Door	76.36	
			Note: Includes (2) coats any standard manufacturer color on six sides.		
			For Custom Color To Match Non-Standard Manufacturer Finish, Add	25.43	
08 14 16 00-0629	EA		Three Coats, Clear Or Colored Catalyzed Polyurethane Factory Finish For Flush Wood Door	114.54	
			Note: Includes (3) coats any standard manufacturer color on six sides.		
			For Custom Color To Match Non-Standard Manufacturer Finish, Add	25.43	
08 14 16 00-0630			Exterior Doors, Premium Grade Door (08 14 16)		
			Note: Window and Door Manufacturers Association (WDMA), Plain slice, book matched, Grade A Premium, pre-finished		
08 14 16 00-0631	EA		3' x 7' x 1-3/4" Window and Door Manufacturers Association (WDMA), White Birch, Solid Wood.....	1,694.61	77.03
			For >50 To 100, Deduct	-88.58	
			For >100, Deduct	-130.95	
08 14 16 00-0632	EA		3' x 7' x 1-3/4" Window and Door Manufacturers Association (WDMA), White Birch, Solid Wood, 20 Minute Fire Rated Doors	1,874.39	77.03
			For >50 To 100, Deduct	-97.57	
			For >100, Deduct	-144.43	
08 14 16 00-0633	EA		3' x 7' x 1-3/4" Window and Door Manufacturers Association (WDMA), White Birch, Solid Wood, 60 - 90 Minute Fire Rated Doors	2,091.37	77.03
			For >50 To 100, Deduct	-108.42	
			For >100, Deduct	-160.70	
08 14 16 00-0634			Semicircular Head Door, 1-3/4" Thick, Particleboard Core (PC), Wood Doors (08 14 16)		
08 14 16 00-0635	EA		2' x 6'-9" x 1-3/4" Thick, Particleboard Core, Semicircular Head Birch Faced Wood Door	2,321.86	56.49
08 14 16 00-0636	EA		2'-4" x 6'-9" x 1-3/4" Thick, Particleboard Core, Semicircular Head Birch Faced Wood Door	2,321.86	176.28
08 14 16 00-0637	EA		2'-6" x 6'-9" x 1-3/4" Thick, Particleboard Core, Semicircular Head Birch Faced Wood Door	2,321.86	56.49
08 14 23			Clad Wood Doors (08 14)		
08 14 23 13			Metal-Faced Wood Doors (08 14 23)		
			See CSI section 08 70 00 00-0000 for finish hardware.		
08 14 23 13-0001			24 Gauge Metal Clad Door, 1-3/4" Thick, Solid Staved Wood Core (08 14 23 13)		
08 14 23 13-0002	EA		2' 6" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door	687.55	157.92
08 14 23 13-0003	EA		2' 8" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door	737.25	173.32
08 14 23 13-0004	EA		2' 10" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door	794.89	191.30
08 14 23 13-0005	EA		3'-0" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door	829.31	197.71
08 14 23 13-0006	EA		3' 4" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door	890.65	217.61
08 14 23 13-0007	EA		3' 8" x 7' x 1-3/4" Thick, Metal Clad Door, Solid Staved Wood Core, Flush Type Door	958.96	224.68
08 14 23 16			Plastic-Laminate-Faced Wood Doors (08 14 23)		
08 14 23 16-0001			1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Doors (08 14 23 16)		
			Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.		
08 14 23 16-0002	EA		2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	311.34	70.61
			For Structural Composite Lumber Core (SCLC), Add	76.55	
			For 5 Ply Construction, Add	5.95	
			For >50 To 100, Deduct	-19.10	
			For >100, Deduct	-26.88	
08 14 23 16-0003	EA		2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	311.34	70.61
			For Structural Composite Lumber Core (SCLC), Add	76.55	
			For 5 Ply Construction, Add	5.95	
			For >50 To 100, Deduct	-19.10	
			For >100, Deduct	-26.88	
08 14 23 16-0004	EA		2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	327.10	73.82
			For Structural Composite Lumber Core (SCLC), Add	80.76	
			For 5 Ply Construction, Add	6.28	
			For >50 To 100, Deduct	-20.05	
			For >100, Deduct	-28.22	

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

08 14 23 16-0005	EA	2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	336.46	73.82
		For Structural Composite Lumber Core (SCLC), Add	84.97	
		For 5 Ply Construction, Add	6.61	
		For >50 To 100, Deduct	-20.51	
		For >100, Deduct	-28.93	
08 14 23 16-0006	EA	2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	341.18	73.82
		For Structural Composite Lumber Core (SCLC), Add	87.09	
		For 5 Ply Construction, Add	6.77	
		For >50 To 100, Deduct	-20.75	
		For >100, Deduct	-29.28	
08 14 23 16-0007	EA	3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	352.30	77.03
		For Structural Composite Lumber Core (SCLC), Add	89.21	
		For 5 Ply Construction, Add	6.94	
		For >50 To 100, Deduct	-21.47	
		For >100, Deduct	-30.27	
08 14 23 16-0008	EA	3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	374.10	77.03
		For Structural Composite Lumber Core (SCLC), Add	99.02	
		For 5 Ply Construction, Add	7.70	
		For >50 To 100, Deduct	-22.56	
		For >100, Deduct	-31.91	
08 14 23 16-0009	EA	3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	394.59	80.24
		For Structural Composite Lumber Core (SCLC), Add	105.35	
		For 5 Ply Construction, Add	8.19	
		For >50 To 100, Deduct	-23.74	
		For >100, Deduct	-33.61	
08 14 23 16-0010	EA	2'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	321.24	70.61
		For Structural Composite Lumber Core (SCLC), Add	81.00	
		For 5 Ply Construction, Add	6.30	
		For >50 To 100, Deduct	-19.59	
		For >100, Deduct	-27.62	
08 14 23 16-0011	EA	2'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	321.23	70.61
		For Structural Composite Lumber Core (SCLC), Add	81.00	
		For 5 Ply Construction, Add	6.30	
		For >50 To 100, Deduct	-19.59	
		For >100, Deduct	-27.62	
08 14 23 16-0012	EA	2'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	337.55	73.82
		For Structural Composite Lumber Core (SCLC), Add	85.46	
		For 5 Ply Construction, Add	6.65	
		For >50 To 100, Deduct	-20.57	
		For >100, Deduct	-29.01	
08 14 23 16-0013	EA	2'-8" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	347.45	73.82
		For Structural Composite Lumber Core (SCLC), Add	89.91	
		For 5 Ply Construction, Add	6.99	
		For >50 To 100, Deduct	-21.06	
		For >100, Deduct	-29.75	
08 14 23 16-0014	EA	2'-10" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	352.44	73.82
		For Structural Composite Lumber Core (SCLC), Add	92.16	
		For 5 Ply Construction, Add	7.17	
		For >50 To 100, Deduct	-21.31	
		For >100, Deduct	-30.12	
08 14 23 16-0015	EA	3'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	363.83	77.03
		For Structural Composite Lumber Core (SCLC), Add	94.40	
		For 5 Ply Construction, Add	7.34	
		For >50 To 100, Deduct	-22.04	
		For >100, Deduct	-31.14	
08 14 23 16-0016	EA	3'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	386.90	77.03
		For Structural Composite Lumber Core (SCLC), Add	104.78	
		For 5 Ply Construction, Add	8.15	
		For >50 To 100, Deduct	-23.20	
		For >100, Deduct	-32.87	
08 14 23 16-0017	EA	3'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	408.22	80.24
		For Structural Composite Lumber Core (SCLC), Add	111.48	
		For 5 Ply Construction, Add	8.67	
		For >50 To 100, Deduct	-24.42	
		For >100, Deduct	-34.63	
08 14 23 16-0018	EA	2'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	356.33	70.61
		For Structural Composite Lumber Core (SCLC), Add	96.80	
		For 5 Ply Construction, Add	7.53	
		For >50 To 100, Deduct	-21.35	
		For >100, Deduct	-30.26	
08 14 23 16-0019	EA	2'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	356.33	70.61
		For Structural Composite Lumber Core (SCLC), Add	96.80	
		For 5 Ply Construction, Add	7.53	
		For >50 To 100, Deduct	-21.35	
		For >100, Deduct	-30.26	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0020	EA		2'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	374.59	73.82
			For Structural Composite Lumber Core (SCLC), Add	102.13	
			For 5 Ply Construction, Add	7.94	
			For >50 To 100, Deduct	-22.42	
			For >100, Deduct	-31.79	
08 14 23 16-0021	EA		2'-8" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	386.42	73.82
			For Structural Composite Lumber Core (SCLC), Add	107.45	
			For 5 Ply Construction, Add	8.36	
			For >50 To 100, Deduct	-23.01	
			For >100, Deduct	-32.67	
08 14 23 16-0022	EA		2'-10" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	392.38	73.82
			For Structural Composite Lumber Core (SCLC), Add	110.13	
			For 5 Ply Construction, Add	8.57	
			For >50 To 100, Deduct	-23.31	
			For >100, Deduct	-33.12	
08 14 23 16-0023	EA		3'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	404.74	77.03
			For Structural Composite Lumber Core (SCLC), Add	112.81	
			For 5 Ply Construction, Add	8.77	
			For >50 To 100, Deduct	-24.09	
			For >100, Deduct	-34.21	
08 14 23 16-0024	EA		3'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	432.30	77.03
			For Structural Composite Lumber Core (SCLC), Add	125.21	
			For 5 Ply Construction, Add	9.74	
			For >50 To 100, Deduct	-25.47	
			For >100, Deduct	-36.27	
08 14 23 16-0025	EA		3'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	456.52	80.24
			For Structural Composite Lumber Core (SCLC), Add	133.22	
			For 5 Ply Construction, Add	10.36	
			For >50 To 100, Deduct	-26.64	
			For >100, Deduct	-38.25	
08 14 23 16-0026			1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Doors (08 14 23 16)		
			Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.		
08 14 23 16-0027	EA		2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	431.04	70.61
			For 5 Ply Construction, Add	10.14	
			For Stave Lumber Core (SLC), Add	217.36	
			For Structural Composite Lumber Core (SCLC), Add	130.41	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	34.78	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	156.50	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	217.36	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	347.77	
			For >50 To 100, Deduct	-25.08	
			For >100, Deduct	-35.86	
08 14 23 16-0028	EA		2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	431.03	70.61
			For 5 Ply Construction, Add	10.14	
			For Stave Lumber Core (SLC), Add	217.35	
			For Structural Composite Lumber Core (SCLC), Add	130.41	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	34.78	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	156.49	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	217.35	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	347.76	
			For >50 To 100, Deduct	-25.08	
			For >100, Deduct	-35.86	
08 14 23 16-0029	EA		2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	446.51	73.82
			For 5 Ply Construction, Add	10.46	
			For Stave Lumber Core (SLC), Add	224.15	
			For Structural Composite Lumber Core (SCLC), Add	134.49	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	35.86	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	161.39	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	224.15	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	358.64	
			For >50 To 100, Deduct	-26.02	
			For >100, Deduct	-37.18	
08 14 23 16-0030	EA		2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	446.51	73.82
			For 5 Ply Construction, Add	10.46	
			For Stave Lumber Core (SLC), Add	224.15	
			For Structural Composite Lumber Core (SCLC), Add	134.49	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	35.86	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	161.39	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	224.15	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	358.64	
			For >50 To 100, Deduct	-26.02	
			For >100, Deduct	-37.18	

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 14 23 16-0031	EA	2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	464.45	73.82
		For 5 Ply Construction, Add	11.09	
		For Stave Lumber Core (SLC), Add	237.61	
		For Structural Composite Lumber Core (SCLC), Add	142.56	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	38.02	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	171.08	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	237.61	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	380.17	
		For >50 To 100, Deduct	-26.91	
		For >100, Deduct	-38.52	
08 14 23 16-0032	EA	3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	488.82	77.03
		For 5 Ply Construction, Add	11.72	
		For Stave Lumber Core (SLC), Add	251.07	
		For Structural Composite Lumber Core (SCLC), Add	150.64	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	40.17	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	180.77	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	251.07	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	401.71	
		For >50 To 100, Deduct	-28.29	
		For >100, Deduct	-40.51	
08 14 23 16-0033	EA	3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	507.17	77.03
		For 5 Ply Construction, Add	12.36	
		For Stave Lumber Core (SLC), Add	264.83	
		For Structural Composite Lumber Core (SCLC), Add	158.90	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	42.37	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	190.68	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	264.83	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	423.73	
		For >50 To 100, Deduct	-29.21	
		For >100, Deduct	-41.89	
08 14 23 16-0034	EA	3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	522.75	80.24
		For 5 Ply Construction, Add	12.68	
		For Stave Lumber Core (SLC), Add	271.70	
		For Structural Composite Lumber Core (SCLC), Add	163.02	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	43.47	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	195.63	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	271.70	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	434.72	
		For >50 To 100, Deduct	-30.15	
		For >100, Deduct	-43.22	
08 14 23 16-0035	EA	3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	540.86	80.24
		For 5 Ply Construction, Add	13.31	
		For Stave Lumber Core (SLC), Add	285.29	
		For Structural Composite Lumber Core (SCLC), Add	171.17	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	45.65	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	205.41	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	285.29	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	456.46	
		For >50 To 100, Deduct	-31.06	
		For >100, Deduct	-44.58	
08 14 23 16-0036	EA	4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	589.93	86.66
		For 5 Ply Construction, Add	14.58	
		For Stave Lumber Core (SLC), Add	312.46	
		For Structural Composite Lumber Core (SCLC), Add	187.47	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	49.99	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	224.97	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	312.46	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	499.93	
		For >50 To 100, Deduct	-33.83	
		For >100, Deduct	-48.58	
08 14 23 16-0037	EA	2'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	447.91	70.61
		For 5 Ply Construction, Add	10.73	
		For Stave Lumber Core (SLC), Add	230.01	
		For Structural Composite Lumber Core (SCLC), Add	138.01	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	36.80	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	165.61	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	230.01	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	368.02	
		For >50 To 100, Deduct	-25.93	
		For >100, Deduct	-37.12	
08 14 23 16-0038	EA	2'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	447.90	70.61
		For 5 Ply Construction, Add	10.73	
		For Stave Lumber Core (SLC), Add	230.00	
		For Structural Composite Lumber Core (SCLC), Add	138.00	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	36.80	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	165.60	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	230.00	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	368.00	
		For >50 To 100, Deduct	-25.93	
		For >100, Deduct	-37.12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0039	EA		2'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	463.90	73.82
			For 5 Ply Construction, Add	11.07	
			For Stave Lumber Core (SLC), Add	237.20	
			For Structural Composite Lumber Core (SCLC), Add	142.32	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	37.95	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	170.78	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	237.20	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	379.51	
			For >50 To 100, Deduct	-26.89	
			For >100, Deduct	-38.48	
08 14 23 16-0040	EA		2'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	463.90	73.82
			For 5 Ply Construction, Add	11.07	
			For Stave Lumber Core (SLC), Add	237.20	
			For Structural Composite Lumber Core (SCLC), Add	142.32	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	37.95	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	170.78	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	237.20	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	379.51	
			For >50 To 100, Deduct	-26.89	
			For >100, Deduct	-38.48	
08 14 23 16-0041	EA		2'-10" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	482.89	73.82
			For 5 Ply Construction, Add	11.73	
			For Stave Lumber Core (SLC), Add	251.44	
			For Structural Composite Lumber Core (SCLC), Add	150.86	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	40.23	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	181.04	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	251.44	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	402.30	
			For >50 To 100, Deduct	-27.84	
			For >100, Deduct	-39.91	
08 14 23 16-0042	EA		3'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	508.31	77.03
			For 5 Ply Construction, Add	12.40	
			For Stave Lumber Core (SLC), Add	265.69	
			For Structural Composite Lumber Core (SCLC), Add	159.41	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	42.51	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	191.30	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	265.69	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	425.10	
			For >50 To 100, Deduct	-29.27	
			For >100, Deduct	-41.97	
08 14 23 16-0043	EA		3'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	527.71	77.03
			For 5 Ply Construction, Add	13.08	
			For Stave Lumber Core (SLC), Add	280.24	
			For Structural Composite Lumber Core (SCLC), Add	168.14	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	44.84	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	201.77	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	280.24	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	448.38	
			For >50 To 100, Deduct	-30.24	
			For >100, Deduct	-43.43	
08 14 23 16-0044	EA		3'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	543.83	80.24
			For 5 Ply Construction, Add	13.42	
			For Stave Lumber Core (SLC), Add	287.51	
			For Structural Composite Lumber Core (SCLC), Add	172.51	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	46.00	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	207.01	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	287.51	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	460.02	
			For >50 To 100, Deduct	-31.20	
			For >100, Deduct	-44.80	
08 14 23 16-0045	EA		3'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	562.99	80.24
			For 5 Ply Construction, Add	14.09	
			For Stave Lumber Core (SLC), Add	301.88	
			For Structural Composite Lumber Core (SCLC), Add	181.13	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	48.30	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	217.36	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	301.88	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	483.01	
			For >50 To 100, Deduct	-32.16	
			For >100, Deduct	-46.24	
08 14 23 16-0046	EA		4'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	614.17	86.66
			For 5 Ply Construction, Add	15.43	
			For Stave Lumber Core (SLC), Add	330.64	
			For Structural Composite Lumber Core (SCLC), Add	198.38	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	52.90	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	238.06	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	330.64	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	529.02	
			For >50 To 100, Deduct	-35.04	
			For >100, Deduct	-50.40	

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 14 23 16-0047	EA	2'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	507.72	70.61
		For 5 Ply Construction, Add	12.83	
		For Stave Lumber Core (SLC), Add	274.87	
		For Structural Composite Lumber Core (SCLC), Add	164.92	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	43.98	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	197.90	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	274.87	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	439.79	
		For >50 To 100, Deduct	-28.92	
		For >100, Deduct	-41.61	
08 14 23 16-0048	EA	2'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	507.70	70.61
		For 5 Ply Construction, Add	12.83	
		For Stave Lumber Core (SLC), Add	274.85	
		For Structural Composite Lumber Core (SCLC), Add	164.91	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	43.98	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	197.89	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	274.85	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	439.76	
		For >50 To 100, Deduct	-28.92	
		For >100, Deduct	-41.61	
08 14 23 16-0049	EA	2'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	525.58	73.82
		For 5 Ply Construction, Add	13.23	
		For Stave Lumber Core (SLC), Add	283.46	
		For Structural Composite Lumber Core (SCLC), Add	170.07	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	45.35	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	204.09	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	283.46	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	453.53	
		For >50 To 100, Deduct	-29.97	
		For >100, Deduct	-43.11	
08 14 23 16-0050	EA	2'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	525.58	73.82
		For 5 Ply Construction, Add	13.23	
		For Stave Lumber Core (SLC), Add	283.46	
		For Structural Composite Lumber Core (SCLC), Add	170.07	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	45.35	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	204.09	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	283.46	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	453.53	
		For >50 To 100, Deduct	-29.97	
		For >100, Deduct	-43.11	
08 14 23 16-0051	EA	2'-10" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	548.26	73.82
		For 5 Ply Construction, Add	14.02	
		For Stave Lumber Core (SLC), Add	300.47	
		For Structural Composite Lumber Core (SCLC), Add	180.28	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	48.07	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	216.33	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	300.47	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	480.74	
		For >50 To 100, Deduct	-31.10	
		For >100, Deduct	-44.81	
08 14 23 16-0052	EA	3'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	577.39	77.03
		For 5 Ply Construction, Add	14.82	
		For Stave Lumber Core (SLC), Add	317.50	
		For Structural Composite Lumber Core (SCLC), Add	190.50	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	50.80	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	228.60	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	317.50	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	508.00	
		For >50 To 100, Deduct	-32.72	
		For >100, Deduct	-47.16	
08 14 23 16-0053	EA	3'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	600.57	77.03
		For 5 Ply Construction, Add	15.63	
		For Stave Lumber Core (SLC), Add	334.88	
		For Structural Composite Lumber Core (SCLC), Add	200.93	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	53.58	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	241.12	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	334.88	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	535.81	
		For >50 To 100, Deduct	-33.88	
		For >100, Deduct	-48.89	
08 14 23 16-0054	EA	3'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	618.58	80.24
		For 5 Ply Construction, Add	16.03	
		For Stave Lumber Core (SLC), Add	343.58	
		For Structural Composite Lumber Core (SCLC), Add	206.15	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	54.97	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	247.37	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	343.58	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	549.72	
		For >50 To 100, Deduct	-34.94	
		For >100, Deduct	-50.41	

MINOR		CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0055	EA	3'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	641.47	80.24	
		For 5 Ply Construction, Add	16.83		
		For Stave Lumber Core (SLC), Add	360.74		
		For Structural Composite Lumber Core (SCLC), Add	216.45		
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	57.72		
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	259.73		
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	360.74		
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	577.19		
		For >50 To 100, Deduct	-36.09		
		For >100, Deduct	-52.12		
08 14 23 16-0056	EA	4'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	700.13	86.66	
		For 5 Ply Construction, Add	18.44		
		For Stave Lumber Core (SLC), Add	395.11		
		For Structural Composite Lumber Core (SCLC), Add	237.06		
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	63.22		
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	284.48		
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	395.11		
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	632.17		
		For >50 To 100, Deduct	-39.34		
		For >100, Deduct	-56.84		
08 14 23 19 Molded-Hardboard-Faced Wood Doors (08 14 23)					
08 14 23 19-0001		1-3/8" Thick, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Doors (08 14 23 19)			
08 14 23 19-0002	EA	2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	234.77	70.61	
		For >50 To 100, Deduct	-15.27		
		For >100, Deduct	-21.14		
08 14 23 19-0003	EA	2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	234.77	70.61	
		For >50 To 100, Deduct	-15.27		
		For >100, Deduct	-21.14		
08 14 23 19-0004	EA	2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	248.01	73.82	
		For >50 To 100, Deduct	-16.09		
		For >100, Deduct	-22.29		
08 14 23 19-0005	EA	2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	251.26	73.82	
		For >50 To 100, Deduct	-16.25		
		For >100, Deduct	-22.54		
08 14 23 19-0006	EA	2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	254.48	73.82	
		For >50 To 100, Deduct	-16.42		
		For >100, Deduct	-22.78		
08 14 23 19-0007	EA	3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	264.15	77.03	
		For >50 To 100, Deduct	-17.06		
		For >100, Deduct	-23.66		
08 14 23 19-0008	EA	3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	276.23	77.03	
		For >50 To 100, Deduct	-17.66		
		For >100, Deduct	-24.57		
08 14 23 19-0009	EA	3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	290.48	80.24	
		For >50 To 100, Deduct	-18.54		
		For >100, Deduct	-25.80		
08 14 23 19-0010	EA	2'-0" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	240.21	70.61	
		For >50 To 100, Deduct	-15.54		
		For >100, Deduct	-21.55		
08 14 23 19-0011	EA	2'-4" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	240.21	70.61	
		For >50 To 100, Deduct	-15.54		
		For >100, Deduct	-21.55		
08 14 23 19-0012	EA	2'-6" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	253.85	73.82	
		For >50 To 100, Deduct	-16.38		
		For >100, Deduct	-22.73		
08 14 23 19-0013	EA	2'-8" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	257.27	73.82	
		For >50 To 100, Deduct	-16.55		
		For >100, Deduct	-22.99		
08 14 23 19-0014	EA	2'-10" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	260.70	73.82	
		For >50 To 100, Deduct	-16.73		
		For >100, Deduct	-23.24		
08 14 23 19-0015	EA	3'-0" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	270.54	77.03	
		For >50 To 100, Deduct	-17.38		
		For >100, Deduct	-24.14		
08 14 23 19-0016	EA	3'-4" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	283.33	77.03	
		For >50 To 100, Deduct	-18.02		
		For >100, Deduct	-25.10		
08 14 23 19-0017	EA	3'-6" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	298.04	80.24	
		For >50 To 100, Deduct	-18.91		
		For >100, Deduct	-26.37		
08 14 23 19-0018	EA	2'-0" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	259.53	70.61	
		For >50 To 100, Deduct	-16.51		
		For >100, Deduct	-23.00		
08 14 23 19-0019	EA	2'-4" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	259.53	70.61	
		For >50 To 100, Deduct	-16.51		
		For >100, Deduct	-23.00		
08 14 23 19-0020	EA	2'-6" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	274.57	73.82	
		For >50 To 100, Deduct	-17.42		
		For >100, Deduct	-24.28		
08 14 23 19-0021	EA	2'-8" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	278.65	73.82	
		For >50 To 100, Deduct	-17.62		
		For >100, Deduct	-24.59		

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 14 23 19-0022	EA	2'-10" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	282.76	73.82
		For >50 To 100, Deduct	-17.83	
		For >100, Deduct	-24.90	
08 14 23 19-0023	EA	3'-0" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	293.26	77.03
		For >50 To 100, Deduct	-18.51	
		For >100, Deduct	-25.85	
08 14 23 19-0024	EA	3'-4" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	308.54	77.03
		For >50 To 100, Deduct	-19.28	
		For >100, Deduct	-26.99	
08 14 23 19-0025	EA	3'-6" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	324.86	80.24
		For >50 To 100, Deduct	-20.26	
		For >100, Deduct	-28.38	

08 14 23 19-0026 1-3/4" Thick, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Doors

(08 14 23 19)

08 14 23 19-0027	EA	2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	257.79	70.61
		For >50 To 100, Deduct	-16.42	
		For >100, Deduct	-22.87	
08 14 23 19-0028	EA	2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	257.79	70.61
		For >50 To 100, Deduct	-16.42	
		For >100, Deduct	-22.87	
08 14 23 19-0029	EA	2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	267.42	73.82
		For >50 To 100, Deduct	-17.06	
		For >100, Deduct	-23.75	
08 14 23 19-0030	EA	2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	273.92	73.82
		For >50 To 100, Deduct	-17.39	
		For >100, Deduct	-24.24	
08 14 23 19-0031	EA	2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	277.17	73.82
		For >50 To 100, Deduct	-17.55	
		For >100, Deduct	-24.48	
08 14 23 19-0032	EA	3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	286.78	77.03
		For >50 To 100, Deduct	-18.19	
		For >100, Deduct	-25.36	
08 14 23 19-0033	EA	3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	294.19	77.03
		For >50 To 100, Deduct	-18.56	
		For >100, Deduct	-25.92	
08 14 23 19-0034	EA	3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	324.68	80.24
		For >50 To 100, Deduct	-20.25	
		For >100, Deduct	-28.36	
08 14 23 19-0035	EA	3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	332.89	80.24
		For >50 To 100, Deduct	-20.66	
		For >100, Deduct	-28.98	
08 14 23 19-0036	EA	4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	349.33	80.24
		For >50 To 100, Deduct	-21.48	
		For >100, Deduct	-30.21	
08 14 23 19-0037	EA	2'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	264.56	70.61
		For >50 To 100, Deduct	-16.76	
		For >100, Deduct	-23.37	
08 14 23 19-0038	EA	2'-4" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	264.56	70.61
		For >50 To 100, Deduct	-16.76	
		For >100, Deduct	-23.37	
08 14 23 19-0039	EA	2'-6" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	274.40	73.82
		For >50 To 100, Deduct	-17.41	
		For >100, Deduct	-24.27	
08 14 23 19-0040	EA	2'-8" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	281.27	73.82
		For >50 To 100, Deduct	-17.75	
		For >100, Deduct	-24.79	
08 14 23 19-0041	EA	2'-10" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	284.69	73.82
		For >50 To 100, Deduct	-17.93	
		For >100, Deduct	-25.04	
08 14 23 19-0042	EA	3'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	294.51	77.03
		For >50 To 100, Deduct	-18.58	
		For >100, Deduct	-25.94	
08 14 23 19-0043	EA	3'-4" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	302.34	77.03
		For >50 To 100, Deduct	-18.97	
		For >100, Deduct	-26.53	
08 14 23 19-0044	EA	3'-6" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	334.25	80.24
		For >50 To 100, Deduct	-20.72	
		For >100, Deduct	-29.08	
08 14 23 19-0045	EA	3'-8" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	342.93	80.24
		For >50 To 100, Deduct	-21.16	
		For >100, Deduct	-29.73	
08 14 23 19-0046	EA	4'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	360.31	80.24
		For >50 To 100, Deduct	-22.03	
		For >100, Deduct	-31.04	
08 14 23 19-0047	EA	2'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	288.61	70.61
		For >50 To 100, Deduct	-17.96	
		For >100, Deduct	-25.18	
08 14 23 19-0048	EA	2'-4" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	288.61	70.61
		For >50 To 100, Deduct	-17.96	
		For >100, Deduct	-25.18	
08 14 23 19-0049	EA	2'-6" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	299.12	73.82
		For >50 To 100, Deduct	-18.65	
		For >100, Deduct	-26.13	
08 14 23 19-0050	EA	2'-8" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	307.33	73.82
		For >50 To 100, Deduct	-19.06	
		For >100, Deduct	-26.74	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0051	EA		2'-10" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door For >50 To 100, Deduct For >100, Deduct	311.41 -19.26 -27.05	73.82
08 14 23 19-0052	EA		3'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door For >50 To 100, Deduct For >100, Deduct	321.91 -19.95 -27.99	77.03
08 14 23 19-0053	EA		3'-4" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door For >50 To 100, Deduct For >100, Deduct	331.25 -20.41 -28.70	77.03
08 14 23 19-0054	EA		3'-6" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door For >50 To 100, Deduct For >100, Deduct	368.14 -22.42 -31.62	80.24
08 14 23 19-0055	EA		3'-8" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door For >50 To 100, Deduct For >100, Deduct	378.51 -22.94 -32.40	80.24
08 14 23 19-0056	EA		4'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door For >50 To 100, Deduct For >100, Deduct	399.29 -23.98 -33.96	80.24
08 14 23 19-0057			1-3/8" Thick, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Doors (08 14 23 19) Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.		
08 14 23 19-0058	EA		2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door For >50 To 100, Deduct For >100, Deduct	276.60 -17.36 -24.28	70.61
08 14 23 19-0059	EA		2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door For >50 To 100, Deduct For >100, Deduct	276.60 -17.36 -24.28	70.61
08 14 23 19-0060	EA		2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door For >50 To 100, Deduct For >100, Deduct	290.88 -18.24 -25.51	73.82
08 14 23 19-0061	EA		2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door For >50 To 100, Deduct For >100, Deduct	298.72 -18.63 -26.10	73.82
08 14 23 19-0062	EA		2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door For >50 To 100, Deduct For >100, Deduct	300.16 -18.70 -26.20	73.82
08 14 23 19-0063	EA		3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door For >50 To 100, Deduct For >100, Deduct	308.04 -19.25 -26.95	77.03
08 14 23 19-0064	EA		3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door For >50 To 100, Deduct For >100, Deduct	325.03 -20.10 -28.23	77.03
08 14 23 19-0065	EA		3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door For >50 To 100, Deduct For >100, Deduct	362.42 -22.13 -31.19	80.24
08 14 23 19-0066	EA		2'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door For >50 To 100, Deduct For >100, Deduct	284.50 -17.76 -24.87	70.61
08 14 23 19-0067	EA		2'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door For >50 To 100, Deduct For >100, Deduct	284.50 -17.76 -24.87	70.61
08 14 23 19-0068	EA		2'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door For >50 To 100, Deduct For >100, Deduct	299.22 -18.65 -26.13	73.82
08 14 23 19-0069	EA		2'-8" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door For >50 To 100, Deduct For >100, Deduct	307.50 -19.07 -26.75	73.82
08 14 23 19-0070	EA		2'-10" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door For >50 To 100, Deduct For >100, Deduct	309.04 -19.14 -26.87	73.82
08 14 23 19-0071	EA		3'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door For >50 To 100, Deduct For >100, Deduct	317.01 -19.70 -27.63	77.03
08 14 23 19-0072	EA		3'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door For >50 To 100, Deduct For >100, Deduct	334.99 -20.60 -28.98	77.03
08 14 23 19-0073	EA		3'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door For >50 To 100, Deduct For >100, Deduct	374.18 -22.72 -32.08	80.24

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

08 14 23 19-0074	EA	2'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	312.43	70.61
		For >50 To 100, Deduct	-19.15	
		For >100, Deduct	-26.96	
08 14 23 19-0075	EA	2'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	312.43	70.61
		For >50 To 100, Deduct	-19.15	
		For >100, Deduct	-26.96	
08 14 23 19-0076	EA	2'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	328.77	73.82
		For >50 To 100, Deduct	-20.13	
		For >100, Deduct	-28.35	
08 14 23 19-0077	EA	2'-8" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	338.68	73.82
		For >50 To 100, Deduct	-20.63	
		For >100, Deduct	-29.09	
08 14 23 19-0078	EA	2'-10" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	340.51	73.82
		For >50 To 100, Deduct	-20.72	
		For >100, Deduct	-29.23	
08 14 23 19-0079	EA	3'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	348.78	77.03
		For >50 To 100, Deduct	-21.29	
		For >100, Deduct	-30.01	
08 14 23 19-0080	EA	3'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	370.27	77.03
		For >50 To 100, Deduct	-22.37	
		For >100, Deduct	-31.62	
08 14 23 19-0081	EA	3'-8" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	415.86	80.24
		For >50 To 100, Deduct	-24.81	
		For >100, Deduct	-35.20	

08 14 23 19-0082 1-3/4" Thick, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Doors

(08 14 23 19)

Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.

08 14 23 19-0083	EA	2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	311.34	70.61
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	20.41	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	91.86	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	127.58	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	204.13	
		For >50 To 100, Deduct	-19.10	
		For >100, Deduct	-26.88	
08 14 23 19-0084	EA	2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	311.34	70.61
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	20.41	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	91.86	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	127.58	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	204.13	
		For >50 To 100, Deduct	-19.10	
		For >100, Deduct	-26.88	
08 14 23 19-0085	EA	2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	327.60	73.82
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	21.60	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	97.18	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	134.97	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	215.95	
		For >50 To 100, Deduct	-20.07	
		For >100, Deduct	-28.26	
08 14 23 19-0086	EA	2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	337.43	73.82
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	22.77	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	102.49	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	142.34	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	227.75	
		For >50 To 100, Deduct	-20.56	
		For >100, Deduct	-29.00	
08 14 23 19-0087	EA	2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	339.25	73.82
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	22.99	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	103.47	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	143.71	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	229.93	
		For >50 To 100, Deduct	-20.65	
		For >100, Deduct	-29.13	
08 14 23 19-0088	EA	3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	347.53	77.03
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	23.22	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	104.47	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	145.10	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	232.16	
		For >50 To 100, Deduct	-21.23	
		For >100, Deduct	-29.92	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0089	EA		3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	368.86	77.03
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	25.78	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	115.99	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	161.10	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	257.76	
			For >50 To 100, Deduct	-22.29	
			For >100, Deduct	-31.52	
08 14 23 19-0090	EA		3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	414.22	80.24
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	30.45	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	137.02	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	190.31	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	304.49	
			For >50 To 100, Deduct	-24.72	
			For >100, Deduct	-35.08	
08 14 23 19-0091	EA		3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	426.92	80.24
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	31.97	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	143.88	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	199.83	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	319.73	
			For >50 To 100, Deduct	-25.36	
			For >100, Deduct	-36.03	
08 14 23 19-0092	EA		4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	452.27	80.24
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	35.01	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	157.57	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	218.84	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	350.15	
			For >50 To 100, Deduct	-26.63	
			For >100, Deduct	-37.93	
08 14 23 19-0093	EA		2'-0" x 7" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	321.24	70.61
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	21.60	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	97.21	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	135.01	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	216.01	
			For >50 To 100, Deduct	-19.59	
			For >100, Deduct	-27.62	
08 14 23 19-0094	EA		2'-4" x 7" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	321.24	70.61
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	21.60	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	97.21	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	135.01	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	216.01	
			For >50 To 100, Deduct	-19.59	
			For >100, Deduct	-27.62	
08 14 23 19-0095	EA		2'-6" x 7" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	338.08	73.82
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	22.85	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	102.84	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	142.83	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	228.53	
			For >50 To 100, Deduct	-20.60	
			For >100, Deduct	-29.05	
08 14 23 19-0096	EA		2'-8" x 7" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	348.48	73.82
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	24.10	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	108.45	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	150.63	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	241.01	
			For >50 To 100, Deduct	-21.12	
			For >100, Deduct	-29.83	
08 14 23 19-0097	EA		2'-10" x 7" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	350.41	73.82
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	24.33	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	109.50	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	152.08	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	243.32	
			For >50 To 100, Deduct	-21.21	
			For >100, Deduct	-29.97	
08 14 23 19-0098	EA		3'-0" x 7" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	358.79	77.03
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	24.57	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	110.55	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	153.55	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	245.68	
			For >50 To 100, Deduct	-21.79	
			For >100, Deduct	-30.76	
08 14 23 19-0099	EA		3'-4" x 7" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	381.35	77.03
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	27.27	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	122.74	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	170.47	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	272.75	
			For >50 To 100, Deduct	-22.92	
			For >100, Deduct	-32.45	

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 14 23 19-0100	EA	3'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	428.98	80.24
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	32.22	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	144.99	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	201.38	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	322.20	
		For >50 To 100, Deduct	-25.46	
		For >100, Deduct	-36.19	
08 14 23 19-0101	EA	3'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	442.41	80.24
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	33.83	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	152.24	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	211.45	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	338.32	
		For >50 To 100, Deduct	-26.13	
		For >100, Deduct	-37.19	
08 14 23 19-0102	EA	4'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	469.25	80.24
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	37.05	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	166.74	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	231.58	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	370.52	
		For >50 To 100, Deduct	-27.47	
		For >100, Deduct	-39.21	
08 14 23 19-0103	EA	2'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	356.34	70.61
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	25.81	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	116.16	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	161.33	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	258.13	
		For >50 To 100, Deduct	-21.35	
		For >100, Deduct	-30.26	
08 14 23 19-0104	EA	2'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	356.34	70.61
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	25.81	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	116.16	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	161.33	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	258.13	
		For >50 To 100, Deduct	-21.35	
		For >100, Deduct	-30.26	
08 14 23 19-0105	EA	2'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	375.21	73.82
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	27.31	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	122.89	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	170.68	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	273.08	
		For >50 To 100, Deduct	-22.45	
		For >100, Deduct	-31.83	
08 14 23 19-0106	EA	2'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	387.65	73.82
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	28.80	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	129.61	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	180.01	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	288.01	
		For >50 To 100, Deduct	-23.07	
		For >100, Deduct	-32.76	
08 14 23 19-0107	EA	2'-10" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	389.95	73.82
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	29.08	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	130.85	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	181.73	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	290.77	
		For >50 To 100, Deduct	-23.19	
		For >100, Deduct	-32.94	
08 14 23 19-0108	EA	3'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	398.73	77.03
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	29.36	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	132.12	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	183.50	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	293.60	
		For >50 To 100, Deduct	-23.79	
		For >100, Deduct	-33.76	
08 14 23 19-0109	EA	3'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	425.67	77.03
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	32.59	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	146.67	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	203.71	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	325.93	
		For >50 To 100, Deduct	-25.14	
		For >100, Deduct	-35.78	
08 14 23 19-0110	EA	3'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	481.33	80.24
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	38.50	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	173.26	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	240.64	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	385.02	
		For >50 To 100, Deduct	-28.08	
		For >100, Deduct	-40.11	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 14 23 19-0111	EA		3'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	497.40	80.24
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add.....	40.43	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add.....	181.94	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add.....	252.69	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add.....	404.30	
			For >50 To 100, Deduct.....	-28.88	
			For >100, Deduct.....	-41.32	
08 14 23 19-0112	EA		4'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	529.47	80.24
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add.....	44.28	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add.....	199.25	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add.....	276.74	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add.....	442.79	
			For >50 To 100, Deduct.....	-30.49	
			For >100, Deduct.....	-43.72	

08 14 66 Wood Screen Doors (08 14)

08 14 66 00-0001			Wood Screen Storm Door, Residential Grade (08 14 66) Note: Includes frame, trim, necessary anchors and usual hardware (closures, chain and spring, latching, screens, etc.).		
08 14 66 00-0002	EA		2'-8" x 6'-8" x 1-3/8" Thick, Wood Screen Door, Residential, With Frame, Trim, Hardware.....	514.98	184.88
08 14 66 00-0003	EA		3' x 6'-8" x 1-3/8" Thick, Wood Screen Door, Residential, With Frame, Trim, Hardware.....	543.51	205.42
08 14 66 00-0004	EA		2'-8" x 7" x 1-3/8" Thick, Wood Screen Door, Residential, With Frame, Trim, Hardware.....	514.98	184.88
08 14 66 00-0005	EA		3' x 7' x 1-3/8" Thick, Wood Screen Door, Residential, With Frame, Trim, Hardware.....	543.51	205.42

08 14 73 Sliding Wood Doors (08 14)

08 14 73 00-0001			Sliding Pocket Door (08 14 73) Note: Includes unfinished door, frame and trim, and all mounting and door hardware. See CSI section 08 14 73 00-0055 for accessories to be added.		
08 14 73 00-0002			Birch Faced Pocket Door (08 14 73 00-0001) Note: Includes door, frame and trim, and all mounting and door hardware.		
08 14 73 00-0003			1-3/8" Thick, Birch Faced Wood Pocket Door (08 14 73 00-0002) See CSI section 08 14 73 00-0055 for all jamba and track hardware.		
08 14 73 00-0004			6'-8" High, 1-3/8" Thick, Birch Faced Wood Pocket Door (08 14 73 00-0003)		
08 14 73 00-0005	EA		2'-0" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	505.33	44.94
			For Oak, Add.....	114.67	
			For Ash/Hickory, Add.....	167.02	
			For Walnut, Add.....	243.47	
			For Cherry, Add.....	395.94	
08 14 73 00-0006	EA		2'-4" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	521.81	48.15
			For Oak, Add.....	117.45	
			For Ash/Hickory, Add.....	171.07	
			For Walnut, Add.....	249.37	
			For Cherry, Add.....	405.54	
08 14 73 00-0007	EA		2'-6" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	540.80	51.36
			For Oak, Add.....	120.92	
			For Ash/Hickory, Add.....	176.13	
			For Walnut, Add.....	256.74	
			For Cherry, Add.....	417.54	
08 14 73 00-0008	EA		2'-8" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	554.79	54.57
			For Oak, Add.....	123.01	
			For Ash/Hickory, Add.....	179.17	
			For Walnut, Add.....	261.17	
			For Cherry, Add.....	424.74	
08 14 73 00-0009	EA		2'-10" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	573.82	57.78
			For Oak, Add.....	126.49	
			For Ash/Hickory, Add.....	184.23	
			For Walnut, Add.....	268.55	
			For Cherry, Add.....	436.74	
08 14 73 00-0010	EA		3'-0" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	590.30	60.99
			For Oak, Add.....	129.26	
			For Ash/Hickory, Add.....	188.28	
			For Walnut, Add.....	274.45	
			For Cherry, Add.....	446.34	
08 14 73 00-0011	EA		4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	991.42	80.24
			For Oak, Add.....	229.34	
			For Ash/Hickory, Add.....	334.04	
			For Walnut, Add.....	486.93	
			For Cherry, Add.....	791.89	
08 14 73 00-0012	EA		5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	1,049.57	86.66
			For Oak, Add.....	241.85	
			For Ash/Hickory, Add.....	352.26	
			For Walnut, Add.....	513.49	
			For Cherry, Add.....	835.08	
08 14 73 00-0013	EA		6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	1,122.87	93.08
			For Oak, Add.....	258.53	
			For Ash/Hickory, Add.....	376.55	
			For Walnut, Add.....	548.91	
			For Cherry, Add.....	892.68	

08 14 73 00-0014			7' High, 1-3/8" Thick Birch Faced Wood Pocket Door (08 14 73 00-0003)		
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08 Openings**08 10 Doors and Frames****08 14 Wood Doors**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 14 73 00-0015	EA	2'-0" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	593.46	44.94
		For Oak, Add	117.84	
		For Ash/Hickory, Add	117.84	
		For Walnut, Add	193.89	
		For Cherry, Add	364.10	
08 14 73 00-0016	EA	2'-4" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	622.53	48.15
		For Oak, Add	123.14	
		For Ash/Hickory, Add	123.14	
		For Walnut, Add	202.61	
		For Cherry, Add	380.49	
08 14 73 00-0017	EA	2'-6" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	644.04	51.36
		For Oak, Add	126.68	
		For Ash/Hickory, Add	126.68	
		For Walnut, Add	208.43	
		For Cherry, Add	391.41	
08 14 73 00-0018	EA	2'-8" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	663.06	54.57
		For Oak, Add	129.63	
		For Ash/Hickory, Add	129.63	
		For Walnut, Add	213.27	
		For Cherry, Add	400.51	
08 14 73 00-0019	EA	2'-10" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	679.57	57.78
		For Oak, Add	131.98	
		For Ash/Hickory, Add	131.98	
		For Walnut, Add	217.15	
		For Cherry, Add	407.79	
08 14 73 00-0020	EA	3'-0" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	701.09	60.99
		For Oak, Add	135.52	
		For Ash/Hickory, Add	135.52	
		For Walnut, Add	222.97	
		For Cherry, Add	418.72	
08 14 73 00-0021	EA	4' Wide, Two 2'-0" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,167.68	80.24
		For Oak, Add	235.68	
		For Ash/Hickory, Add	235.68	
		For Walnut, Add	387.77	
		For Cherry, Add	728.21	
08 14 73 00-0022	EA	5' Wide, Two 2'-6" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,256.05	86.66
		For Oak, Add	253.36	
		For Ash/Hickory, Add	253.36	
		For Walnut, Add	416.85	
		For Cherry, Add	782.82	
08 14 73 00-0023	EA	6' Wide, Two 3' x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,344.45	93.08
		For Oak, Add	271.04	
		For Ash/Hickory, Add	271.04	
		For Walnut, Add	445.94	
		For Cherry, Add	837.44	

08 14 73 00-0024 1-3/4" Thick, Birch Faced Wood Pocket Door (08 14 73 00-0002)
 See CSI section 08 14 73 00-0055 for all jambs and track hardware.

08 14 73 00-0025 6'-8" High, 1-3/4" Thick Birch Faced Wood Pocket Door (08 14 73 00-0024)

08 14 73 00-0026	EA	2'-0" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	744.54	44.94
		For Oak, Add	153.20	
		For Ash/Hickory, Add	153.20	
		For Walnut, Add	252.05	
		For Cherry, Add	473.33	
08 14 73 00-0027	EA	2'-4" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	781.17	48.15
		For Oak, Add	160.27	
		For Ash/Hickory, Add	160.27	
		For Walnut, Add	263.69	
		For Cherry, Add	495.18	
08 14 73 00-0028	EA	2'-6" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	802.67	51.36
		For Oak, Add	163.80	
		For Ash/Hickory, Add	163.80	
		For Walnut, Add	269.50	
		For Cherry, Add	506.10	
08 14 73 00-0029	EA	2'-8" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	826.73	54.57
		For Oak, Add	167.93	
		For Ash/Hickory, Add	167.93	
		For Walnut, Add	276.29	
		For Cherry, Add	518.85	
08 14 73 00-0030	EA	2'-10" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	848.28	57.78
		For Oak, Add	171.46	
		For Ash/Hickory, Add	171.46	
		For Walnut, Add	282.10	
		For Cherry, Add	529.77	
08 14 73 00-0031	EA	3'-0" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	869.80	60.99
		For Oak, Add	175.00	
		For Ash/Hickory, Add	175.00	
		For Walnut, Add	287.92	
		For Cherry, Add	540.70	
08 14 73 00-0032	EA	4' Wide, Two 2'-0" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,469.84	80.24
		For Oak, Add	306.39	
		For Ash/Hickory, Add	306.39	
		For Walnut, Add	504.10	
		For Cherry, Add	946.67	
08 14 73 00-0033	EA	5' Wide, Two 2'-6" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,573.32	86.66
		For Oak, Add	327.60	
		For Ash/Hickory, Add	327.60	
		For Walnut, Add	539.00	
		For Cherry, Add	1,012.21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 73 00-0034	EA		6' Wide, Two 3'-0" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,681.86	93.08
			For Oak, Add	349.99	
			For Ash/Hickory, Add	349.99	
			For Walnut, Add	575.84	
			For Cherry, Add	1,081.38	
08 14 73 00-0035			7' High, 1-3/4" Thick Birch Faced Wood Pocket Door (08 14 73 00-0024)		
08 14 73 00-0036	EA		2'-0" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	794.90	44.94
			For Oak, Add	164.98	
			For Ash/Hickory, Add	164.98	
			For Walnut, Add	271.44	
			For Cherry, Add	509.74	
08 14 73 00-0037	EA		2'-4" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	836.56	48.15
			For Oak, Add	173.23	
			For Ash/Hickory, Add	173.23	
			For Walnut, Add	285.01	
			For Cherry, Add	535.23	
08 14 73 00-0038	EA		2'-6" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	860.59	51.36
			For Oak, Add	177.35	
			For Ash/Hickory, Add	177.35	
			For Walnut, Add	291.80	
			For Cherry, Add	547.98	
08 14 73 00-0039	EA		2'-8" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	884.64	54.57
			For Oak, Add	181.48	
			For Ash/Hickory, Add	181.48	
			For Walnut, Add	298.58	
			For Cherry, Add	560.72	
08 14 73 00-0040	EA		2'-10" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	906.19	57.78
			For Oak, Add	185.01	
			For Ash/Hickory, Add	185.01	
			For Walnut, Add	304.40	
			For Cherry, Add	571.64	
08 14 73 00-0041	EA		3'-0" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	930.23	60.99
			For Oak, Add	189.14	
			For Ash/Hickory, Add	189.14	
			For Walnut, Add	311.19	
			For Cherry, Add	584.39	
08 14 73 00-0042	EA		4' Wide, Two 2'-0" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,570.56	80.24
			For Oak, Add	329.96	
			For Ash/Hickory, Add	329.96	
			For Walnut, Add	542.88	
			For Cherry, Add	1,019.49	
08 14 73 00-0043	EA		5' Wide, Two 2'-6" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,689.15	86.66
			For Oak, Add	354.71	
			For Ash/Hickory, Add	354.71	
			For Walnut, Add	583.60	
			For Cherry, Add	1,095.95	
08 14 73 00-0044	EA		6' Wide, Two 3'-0" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,802.73	93.08
			For Oak, Add	378.28	
			For Ash/Hickory, Add	378.28	
			For Walnut, Add	622.38	
			For Cherry, Add	1,168.77	
08 14 73 00-0045			8' High, 1-3/4" Thick Birch Faced Wood Pocket Door (08 14 73 00-0024)		
08 14 73 00-0046	EA		2'-0" x 8' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced	845.26	44.94
			For Oak, Add	176.76	
			For Ash/Hickory, Add	176.76	
			For Walnut, Add	290.83	
			For Cherry, Add	546.15	
08 14 73 00-0047	EA		2'-4" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	886.92	48.15
			For Oak, Add	185.01	
			For Ash/Hickory, Add	185.01	
			For Walnut, Add	304.40	
			For Cherry, Add	571.64	
08 14 73 00-0048	EA		2'-6" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	913.47	51.36
			For Oak, Add	189.73	
			For Ash/Hickory, Add	189.73	
			For Walnut, Add	312.16	
			For Cherry, Add	586.21	
08 14 73 00-0049	EA		2'-8" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	940.04	54.57
			For Oak, Add	194.44	
			For Ash/Hickory, Add	194.44	
			For Walnut, Add	319.91	
			For Cherry, Add	600.77	
08 14 73 00-0050	EA		2'-10" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	961.59	57.78
			For Oak, Add	197.98	
			For Ash/Hickory, Add	197.98	
			For Walnut, Add	325.73	
			For Cherry, Add	611.69	
08 14 73 00-0051	EA		3'-0" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	988.14	60.99
			For Oak, Add	202.69	
			For Ash/Hickory, Add	202.69	
			For Walnut, Add	333.48	
			For Cherry, Add	626.26	

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 14 73 00-0052	EA	4' Wide, Two 2'-0" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,671.28	80.24
		For Oak, Add	353.53	
		For Ash/Hickory, Add	353.53	
		For Walnut, Add	581.66	
		For Cherry, Add	1,092.31	
08 14 73 00-0053	EA	5' Wide, Two 2'-6" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,794.90	86.66
		For Oak, Add	379.45	
		For Ash/Hickory, Add	379.45	
		For Walnut, Add	624.31	
		For Cherry, Add	1,172.41	
08 14 73 00-0054	EA	6' Wide, Two 3'-0" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,918.55	93.08
		For Oak, Add	405.38	
		For Ash/Hickory, Add	405.38	
		For Walnut, Add	666.97	
		For Cherry, Add	1,252.51	

08 14 73 00-0055 Accessories (08 14 73 00-0001)**08 14 73 00-0056 Jamb Replacement** (08 14 73 00-0055)

08 14 73 00-0057	EA	4-9/16 Or 4-3/4" Birch Jamb Replacement For Pocket Doors	151.59	
		For Oak, Add	9.88	
		For Ash/Hickory, Add	15.47	
		For Walnut, Add	33.82	
		For Cherry, Add	53.58	
08 14 73 00-0058	EA	5-1/4" Birch Jamb Replacement For Pocket Doors	154.40	
		For Oak, Add	10.19	
		For Ash/Hickory, Add	15.97	
		For Walnut, Add	34.91	
		For Cherry, Add	55.30	
08 14 73 00-0059	EA	6-9/16" Or 6-3/4" Birch Jamb Replacement For Pocket Doors	172.73	
		For Oak, Add	12.27	
		For Ash/Hickory, Add	19.21	
		For Walnut, Add	42.00	
		For Cherry, Add	66.54	

08 14 73 00-0060 Track And Hardware Replacement Kits (08 14 73 00-0055)

Note: For double doors, use 2 appropriate sized hardware and 1 converging kit.

08 14 73 00-0061	EA	Up To 2'-6" x 6'-8" Door Track And Hardware Replacement For Pocket Door	303.42	
08 14 73 00-0062	EA	2'-8" x 6'-8" Door Track And Hardware Replacement For Pocket Door	306.01	
08 14 73 00-0063	EA	3'-0" x 6'-8" Door Track And Hardware Replacement For Pocket Door	311.19	
08 14 73 00-0064	EA	Up To 2'-6" x 7' Door Track And Hardware Replacement For Pocket Door	360.38	
08 14 73 00-0065	EA	2'-8" x 7' Door Track And Hardware Replacement For Pocket Door	362.97	
08 14 73 00-0066	EA	3'-0" x 7' Door Track And Hardware Replacement For Pocket Door	368.15	
08 14 73 00-0067	EA	Up To 2'-6" x 8' Door Track And Hardware	386.27	
08 14 73 00-0068	EA	2'-8" x 8' Door Track And Hardware Replacement For Pocket Door	388.86	
08 14 73 00-0069	EA	3'-0" x 8' Door Track And Hardware Replacement For Pocket Door	394.04	
08 14 73 00-0070	EA	Double Door Converging Kit For Pocket Door	45.15	

08 14 73 00-0071 Bi-Pass Doors (08 14 73)

Note: Includes unfinished doors, fascia track, hangers, door guide, doorstop, and pulls. 125 LB maximum door weight (each opening).

08 14 73 00-0072 Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors (08 14 73 00-0071)

08 14 73 00-0073	EA	4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors	479.35	102.67
08 14 73 00-0074	EA	5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors	526.43	109.09
08 14 73 00-0075	EA	6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors	574.08	115.51
08 14 73 00-0076	EA	8' Wide, Four 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors	786.45	121.93

08 14 73 00-0077 Flush, Hollow Core (HC), Lauan Faced Wood Bi-Pass Doors (08 14 73 00-0071)

08 14 73 00-0078	EA	4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Pass Doors	447.61	102.67
08 14 73 00-0079	EA	5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Pass Doors	476.94	109.09
08 14 73 00-0080	EA	6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Pass Doors	519.61	115.51
08 14 73 00-0081	EA	8' Wide, Four 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Pass Doors	722.97	121.93

08 14 73 00-0082 Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Pass Doors (08 14 73 00-0071)

08 14 73 00-0083	EA	4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Pass Doors	480.24	102.67
08 14 73 00-0084	EA	5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Pass Doors	524.23	109.09
08 14 73 00-0085	EA	6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Pass Doors	570.42	115.51
08 14 73 00-0086	EA	8' Wide, Four 2'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Pass Doors	788.23	121.93

08 14 76 Bifolding Wood Doors (08 14)**08 14 76 00-0001 Bi-Fold Wood Doors** (08 14 76)

Note: Includes doors, track, top and bottom pivots, door guide, track stop, panel hinge, bottom pivot bracket, top pivot lock, and 4-door aligner (when necessary). Excludes doorframe and knobs.

08 14 76 00-0002 Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors (08 14 76 00-0001)

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 14 76 00-0003	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	231.70	77.00
08 14 76 00-0004	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	244.53	83.42
08 14 76 00-0005	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	262.55	89.84
08 14 76 00-0006	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	275.38	96.25
08 14 76 00-0007	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	354.45	102.67
08 14 76 00-0008	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	367.28	109.09
08 14 76 00-0009	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	391.10	115.51

08 14 76 00-0010 Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors (08 14 76 00-0001)

08 14 76 00-0011	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	244.37	77.00
08 14 76 00-0012	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	261.36	83.42
08 14 76 00-0013	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	282.18	89.84
08 14 76 00-0014	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	295.01	96.25
08 14 76 00-0015	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	381.59	102.67
08 14 76 00-0016	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	409.59	109.09
08 14 76 00-0017	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	439.18	115.51

08 14 76 00-0018 Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors (08 14 76 00-0001)

08 14 76 00-0019	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	244.96	77.00
08 14 76 00-0020	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	269.48	83.42
08 14 76 00-0021	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	289.67	89.84
08 14 76 00-0022	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	302.50	96.25
08 14 76 00-0023	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	388.14	102.67
08 14 76 00-0024	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	403.60	109.09
08 14 76 00-0025	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	439.18	115.51

08 14 76 00-0026 Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors (08 14 76 00-0001)

08 14 76 00-0027	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors	621.74	77.00
08 14 76 00-0028	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors	710.14	83.42
08 14 76 00-0029	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors	810.81	89.84
08 14 76 00-0030	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors	823.64	96.25
08 14 76 00-0031	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors	1,140.81	102.67
08 14 76 00-0032	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors	1,304.79	109.09
08 14 76 00-0033	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors	1,493.27	115.51

08 14 76 00-0034 Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors (08 14 76 00-0001)

08 14 76 00-0035	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	795.35	77.00
08 14 76 00-0036	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	863.33	83.42
08 14 76 00-0037	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	943.57	89.84
08 14 76 00-0038	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	956.40	96.25
08 14 76 00-0039	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	1,488.04	102.67
08 14 76 00-0040	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	1,611.16	109.09
08 14 76 00-0041	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	1,758.80	115.51

08 14 76 00-0042 Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Fold Doors (08 14 76 00-0001)

08 14 76 00-0043	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	236.16	77.00
08 14 76 00-0044	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	254.20	83.42
08 14 76 00-0045	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	278.07	89.84
08 14 76 00-0046	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	281.61	96.25
08 14 76 00-0047	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	347.10	102.67
08 14 76 00-0048	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	374.51	109.09
08 14 76 00-0049	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	418.85	115.51

08 15 Plastic Doors (08 10)

Note: Includes machining for all hardware, except mortised locks. Excludes frames, finish hardware. See CSI section 08 70 00 00-0000 for finish hardware.

08 16 Composite Doors (08 10)

Note: Includes machining for all hardware. Excludes frames, finish hardware. See CSI section 08 70 00 00-0000 for finish hardware.

08 16 13 Fiberglass Doors (08 16)

See CSI section 08 70 00 00-0000 for finish hardware.

08 16 13 00-0001 Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Frames And Doors (08 16 13)

08 16 13 00-0002 Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0001)

08	08	Openings
	08 10	Doors and Frames
	08 16	Composite Doors



		MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0003					Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0002) Note: White, tan, brown or gray finish. Includes factory hardware prep and 25 Mil resin rich gel coat.		
08 16 13 00-0004					Standard, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0003) Note: Includes fiberglass reinforced polyester (FRP) doorframe, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0005					6'-8" High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0004)		
08 16 13 00-0006	EA				3' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	3,242.75	77.03
					For Custom Color Finish, Add	168.10	
					For Stainless Steel Continuous Hinge, Add	374.17	
08 16 13 00-0007	EA				3'-6" x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	3,461.31	80.24
					For Custom Color Finish, Add	168.10	
					For Stainless Steel Continuous Hinge, Add	374.17	
08 16 13 00-0008	EA				4' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	3,794.17	86.66
					For Custom Color Finish, Add	168.10	
					For Stainless Steel Continuous Hinge, Add	374.17	
08 16 13 00-0009					7' High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0004)		
08 16 13 00-0010	EA				3' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	3,242.75	77.03
					For Custom Color Finish, Add	168.10	
					For Stainless Steel Continuous Hinge, Add	374.17	
08 16 13 00-0011	EA				3'-6" x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	3,547.61	80.24
					For Custom Color Finish, Add	168.10	
					For Stainless Steel Continuous Hinge, Add	374.17	
08 16 13 00-0012	EA				4' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	3,885.86	86.66
					For Custom Color Finish, Add	168.10	
					For Stainless Steel Continuous Hinge, Add	374.17	
08 16 13 00-0013					Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0003) Note: Includes fiberglass reinforced polyester (FRP) doorframe, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0014					45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0013)		
08 16 13 00-0015					6'-8" High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0014)		
08 16 13 00-0016	EA				3' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	3,846.82	77.03
					For Custom Color Finish, Add	168.10	
					For Stainless Steel Continuous Hinge, Add	374.17	
08 16 13 00-0017	EA				3'-6" x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	3,926.95	80.24
					For Custom Color Finish, Add	168.10	
					For Stainless Steel Continuous Hinge, Add	374.17	
08 16 13 00-0018	EA				4' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,477.35	86.66
					For Custom Color Finish, Add	168.10	
					For Stainless Steel Continuous Hinge, Add	374.17	
08 16 13 00-0019					7' High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0014)		
08 16 13 00-0020	EA				3' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	3,846.82	77.03
					For Custom Color Finish, Add	168.10	
					For Stainless Steel Continuous Hinge, Add	374.17	
08 16 13 00-0021	EA				3'-6" x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,207.42	80.24
					For Custom Color Finish, Add	168.10	
					For Stainless Steel Continuous Hinge, Add	374.17	
08 16 13 00-0022	EA				4' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,581.62	86.66
					For Custom Color Finish, Add	168.10	
					For Stainless Steel Continuous Hinge, Add	374.17	
08 16 13 00-0023					60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0013)		
08 16 13 00-0024					6'-8" High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0023)		
08 16 13 00-0025	EA				3' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	3,846.82	77.03
					For Custom Color Finish, Add	168.10	
					For Stainless Steel Continuous Hinge, Add	374.17	

Cal Poly Humboldt.			Openings 08		08
			Doors and Frames 08 10		
			Composite Doors 08 16		
MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
08 16 13 00-0026	EA	3'-6" x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,926.95		80.24
		For Custom Color Finish, Add	168.10		
		For Stainless Steel Continuous Hinge, Add	374.17		
08 16 13 00-0027	EA	4' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,477.35		86.66
		For Custom Color Finish, Add	168.10		
		For Stainless Steel Continuous Hinge, Add	374.17		
08 16 13 00-0028		7' High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0023)			
08 16 13 00-0029	EA	3' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,846.82		77.03
		For Custom Color Finish, Add	168.10		
		For Stainless Steel Continuous Hinge, Add	374.17		
08 16 13 00-0030	EA	3'-6" x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,207.42		80.24
		For Custom Color Finish, Add	168.10		
		For Stainless Steel Continuous Hinge, Add	374.17		
08 16 13 00-0031	EA	4' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,581.62		86.66
		For Custom Color Finish, Add	168.10		
		For Stainless Steel Continuous Hinge, Add	374.17		
08 16 13 00-0032		90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0013)			
08 16 13 00-0033		6'-8" High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0032)			
08 16 13 00-0034	EA	3' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,846.82		77.03
		For Custom Color Finish, Add	168.10		
		For Stainless Steel Continuous Hinge, Add	374.17		
08 16 13 00-0035	EA	3'-6" x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,926.95		80.24
		For Custom Color Finish, Add	168.10		
		For Stainless Steel Continuous Hinge, Add	374.17		
08 16 13 00-0036	EA	4' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,477.35		86.66
		For Custom Color Finish, Add	168.10		
		For Stainless Steel Continuous Hinge, Add	374.17		
08 16 13 00-0037		7' High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0032)			
08 16 13 00-0038	EA	3' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,846.82		77.03
		For Custom Color Finish, Add	168.10		
		For Stainless Steel Continuous Hinge, Add	374.17		
08 16 13 00-0039	EA	3'-6" x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,207.42		80.24
		For Custom Color Finish, Add	168.10		
		For Stainless Steel Continuous Hinge, Add	374.17		
08 16 13 00-0040	EA	4' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,581.62		86.66
		For Custom Color Finish, Add	168.10		
		For Stainless Steel Continuous Hinge, Add	374.17		
08 16 13 00-0041		Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0003)			
		Note: Includes fiberglass reinforced polyester (FRP) doorframe, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.			
08 16 13 00-0042		6'-8" High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0041)			
08 16 13 00-0043	EA	3' x 6'-8", Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,427.93		77.03
		For Custom Color Finish, Add	168.10		
		For Stainless Steel Continuous Hinge, Add	374.17		
08 16 13 00-0044		7' High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0041)			
08 16 13 00-0045	EA	3' x 7', Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,427.93		77.03
		For Custom Color Finish, Add	168.10		
		For Stainless Steel Continuous Hinge, Add	374.17		
08 16 13 00-0046		Accessories For Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors (Chem-Pruf) (08 16 13 00-0002)			
08 16 13 00-0047	SI	1/4" Tempered, Factory Installed Vision Glass (Chem-Pruf).....	0.46		
08 16 13 00-0048	SI	1/4" Laminated, Factory Installed Vision Glass (Chem-Pruf).....	0.47		
08 16 13 00-0049	SI	1/4" Wire, Factory Installed Vision Glass (Chem-Pruf).....	0.62		
08 16 13 00-0050	SI	1/2" Insulated, Factory Installed Vision Glass (Chem-Pruf).....	0.59		

08	08	Openings
	08 10	Doors and Frames
	08 16	Composite Doors



MINOR		TOTAL DIRECT		DEMOLITION	
CSI UOM DESCRIPTION		UNIT COST		UNIT COST	
08 16 13 00-0051	SI	Factory Installed Molded Louver (Chem-Pruf).....		1.18	
08 16 13 00-0052	SI	Factory Installed Molded Louver With Insect Screen (Chem-Pruf)		1.32	
08 16 13 00-0053	LF	Weather Strip (Chem-Pruf)		12.58	
08 16 13 00-0054	LF	Fiberglass Reinforced Polyester (FRP) Astragal With Seal (Chem-Pruf).....		16.18	
08 16 13 00-0055	LF	1/2" Fiberglass Reinforced Polyester (FRP) Grooved Saddle Threshold (Chem-Pruf)		34.16	
08 16 13 00-0056	LF	Fiberglass Reinforced Polyester (FRP) Door Sweep (Chem-Pruf)		37.75	
08 16 13 00-0057	LF	2-1/4" Fiberglass Reinforced Polyester (FRP) Center Door Mullion (Chem-Pruf).....		73.71	
08 16 13 00-0058	Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0001)				
08 16 13 00-0059	Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0058)				
	Note: White, tan, brown or gray finish. Includes factory hardware prep.				
08 16 13 00-0060	Standard, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0059)				
	Note: Includes fiberglass reinforced polyester (FRP) doorframe, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.				
08 16 13 00-0061	6'-8" High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0060)				
08 16 13 00-0062	EA	3' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	2,481.51	77.03	
	For Custom Color Finish, Add		168.10		
	For Stainless Steel Continuous Hinge, Add		374.17		
08 16 13 00-0063	EA	3'-6" x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,516.21	80.24	
	For Custom Color Finish, Add		168.10		
	For Stainless Steel Continuous Hinge, Add		374.17		
08 16 13 00-0064	EA	4' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	2,637.82	86.66	
	For Custom Color Finish, Add		168.10		
	For Stainless Steel Continuous Hinge, Add		374.17		
08 16 13 00-0065	7' High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0060)				
08 16 13 00-0066	EA	3' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,481.51	77.03	
	For Custom Color Finish, Add		168.10		
	For Stainless Steel Continuous Hinge, Add		374.17		
08 16 13 00-0067	EA	3'-6" x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	2,624.98	80.24	
	For Custom Color Finish, Add		168.10		
	For Stainless Steel Continuous Hinge, Add		374.17		
08 16 13 00-0068	EA	4' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,637.82	86.66	
	For Custom Color Finish, Add		168.10		
	For Stainless Steel Continuous Hinge, Add		374.17		
08 16 13 00-0069	Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0059)				
	Note: Includes fiberglass reinforced polyester (FRP) doorframe, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.				
08 16 13 00-0070	45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0069)				
08 16 13 00-0071	6'-8" High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0070)				
08 16 13 00-0072	EA	3' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,113.05	77.03	
	For Custom Color Finish, Add		168.10		
	For Stainless Steel Continuous Hinge, Add		374.17		
08 16 13 00-0073	EA	3'-6" x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,197.78	80.24	
	For Custom Color Finish, Add		168.10		
	For Stainless Steel Continuous Hinge, Add		374.17		
08 16 13 00-0074	EA	4' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,397.70	86.66	
	For Custom Color Finish, Add		168.10		
	For Stainless Steel Continuous Hinge, Add		374.17		
08 16 13 00-0075	7' High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0070)				
08 16 13 00-0076	EA	3' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	4,113.05	77.03	
	For Custom Color Finish, Add		168.10		
	For Stainless Steel Continuous Hinge, Add		374.17		
08 16 13 00-0077	EA	3'-6" x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,228.24	80.24	
	For Custom Color Finish, Add		168.10		
	For Stainless Steel Continuous Hinge, Add		374.17		
08 16 13 00-0078	EA	4' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	4,491.25	86.66	
	For Custom Color Finish, Add		168.10		
	For Stainless Steel Continuous Hinge, Add		374.17		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0079		60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0069)		
08 16 13 00-0080		6'-8" High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0079)		
08 16 13 00-0081	EA	3' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) For Custom Color Finish, Add For Stainless Steel Continuous Hinge, Add	4,113.05 168.10 374.17	77.03
08 16 13 00-0082	EA	3'-6" x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) For Custom Color Finish, Add For Stainless Steel Continuous Hinge, Add	4,197.78 168.10 374.17	80.24
08 16 13 00-0083	EA	4' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) For Custom Color Finish, Add For Stainless Steel Continuous Hinge, Add	4,397.70 168.10 374.17	86.66
08 16 13 00-0084		7' High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0079)		
08 16 13 00-0085	EA	3' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) For Custom Color Finish, Add For Stainless Steel Continuous Hinge, Add	4,113.05 168.10 374.17	77.03
08 16 13 00-0086	EA	3'-6" x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) For Custom Color Finish, Add For Stainless Steel Continuous Hinge, Add	4,228.24 168.10 374.17	80.24
08 16 13 00-0087	EA	4' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) For Custom Color Finish, Add For Stainless Steel Continuous Hinge, Add	4,491.25 168.10 374.17	86.66
08 16 13 00-0088		90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0069)		
08 16 13 00-0089		6'-8" High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0088)		
08 16 13 00-0090	EA	3' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) For Custom Color Finish, Add For Stainless Steel Continuous Hinge, Add	4,113.05 168.10 374.17	77.03
08 16 13 00-0091	EA	3'-6" x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) For Custom Color Finish, Add For Stainless Steel Continuous Hinge, Add	4,197.78 168.10 374.17	80.24
08 16 13 00-0092	EA	4' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) For Custom Color Finish, Add For Stainless Steel Continuous Hinge, Add	4,397.70 168.10 374.17	86.66
08 16 13 00-0093		7' High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0088)		
08 16 13 00-0094	EA	3' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) For Custom Color Finish, Add For Stainless Steel Continuous Hinge, Add	4,113.05 168.10 374.17	77.03
08 16 13 00-0095	EA	3'-6" x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) For Custom Color Finish, Add For Stainless Steel Continuous Hinge, Add	4,228.24 168.10 374.17	80.24
08 16 13 00-0096	EA	4' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) For Custom Color Finish, Add For Stainless Steel Continuous Hinge, Add	4,491.25 168.10 374.17	86.66
08 16 13 00-0097		Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0059) Note: Includes fiberglass reinforced polyester (FRP) doorframe, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0098		6'-8" High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0097)		
08 16 13 00-0099	EA	3' x 6'-8", Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) For Custom Color Finish, Add For Stainless Steel Continuous Hinge, Add	2,807.82 168.10 374.17	77.03
08 16 13 00-0100		7' High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0097)		

08 Openings**08 10 Doors and Frames****08 16 Composite Doors**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 16 13 00-0101	EA	3' x 7', Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	2,807.82	77.03
		<i>For Custom Color Finish, Add</i>	168.10	
		<i>For Stainless Steel Continuous Hinge, Add</i>	374.17	

08 16 13 00-0102 Accessories For Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors (Skule Door) (08 16 13 00-0058)

08 16 13 00-0103	SI	1/4" Tempered, Factory Installed Vision Glass (Skule Door).....	1.03	
08 16 13 00-0104	SI	1/4" Laminated, Factory Installed Vision Glass (Skule Door).....	1.06	
08 16 13 00-0105	SI	1/4" Wire, Factory Installed Vision Glass (Skule Door).....	1.12	
08 16 13 00-0106	SI	1/2" Insulated, Factory Installed Vision Glass (Skule Door).....	1.60	
08 16 13 00-0107	SI	Factory Installed Molded Louver (Skule Door).....	0.63	
08 16 13 00-0108	SI	Factory Installed Molded Louver With Insect Screen (Skule Door).....	1.01	
08 16 13 00-0109	LF	Weather Strip (Skule Door).....	8.70	
08 16 13 00-0110	LF	Fiberglass Reinforced Polyester (FRP) Astragal With Seal (Skule Door).....	10.88	
08 16 13 00-0111	LF	1/2" Fiberglass Reinforced Polyester (FRP) Grooved Saddle Threshold (Skule Door).....	34.81	
08 16 13 00-0112	LF	Fiberglass Reinforced Polyester (FRP) Door Sweep (Skule Door).....	124.00	
08 16 13 00-0113	LF	2-1/4" Fiberglass Reinforced Polyester (FRP) Center Door Mullion (Skule Door).....	47.86	

08 16 13 00-0114 Galvanized Insulated Poly Core Composite Doors (08 16 13)

08 16 13 00-0115	EA	3'-0" x 7'-0" x 1-3/4" Thick, Flush, 18 Gauge, Galvanized, Insulated Poly Core Composite Door (Curries 707N)	1,400.70	77.03
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08 17 Integrated Door Opening Assemblies (08 10)
08 17 23 Integrated Metal Door Opening Assemblies (08 17)
08 17 23 00-0001 Pre-Hung Interior Door Units (08 17 23)

Note: Includes door, frame, and trim, all mounting hardware (standard duty ball bearing hinges). Excludes lockset.

08 17 23 00-0002 Hollow Core Doors, 1-3/8" Thick (08 17 23 00-0001)
08 17 23 00-0003 Birch Faced (08 17 23 00-0002)

08 17 23 00-0004	EA	2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	395.66	80.24
		<i>For 8' Door Height, Add</i>	56.44	
08 17 23 00-0005	EA	2'-6" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	410.11	80.24
		<i>For 8' Door Height, Add</i>	59.91	
08 17 23 00-0006	EA	2'-8" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	431.00	83.45
		<i>For 8' Door Height, Add</i>	63.38	
08 17 23 00-0007	EA	3' x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	441.72	86.66
		<i>For 8' Door Height, Add</i>	64.41	
08 17 23 00-0008	EA	3'-4" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	467.93	86.66
		<i>For 8' Door Height, Add</i>	70.70	
08 17 23 00-0009	EA	3'-6" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	493.22	89.87
		<i>For 8' Door Height, Add</i>	75.23	
08 17 23 00-0010	EA	Pair 2' x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	733.55	131.60
		<i>For 8' Door Height, Add</i>	112.88	
08 17 23 00-0011	EA	Pair 2'-6" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	781.73	141.23
		<i>For 8' Door Height, Add</i>	119.83	
08 17 23 00-0012	EA	Pair 3' x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	838.50	150.85
		<i>For 8' Door Height, Add</i>	128.83	

08 17 23 00-0013 Lauan Faced (08 17 23 00-0002)

08 17 23 00-0014	EA	2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	357.04	80.24
		<i>For 8' Door Height, Add</i>	47.17	
08 17 23 00-0015	EA	2'-6" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	370.37	80.24
		<i>For 8' Door Height, Add</i>	50.37	
08 17 23 00-0016	EA	2'-8" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	388.03	83.45
		<i>For 8' Door Height, Add</i>	53.07	
08 17 23 00-0017	EA	3' x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	402.39	86.66
		<i>For 8' Door Height, Add</i>	54.97	
08 17 23 00-0018	EA	3'-4" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	424.29	86.66
		<i>For 8' Door Height, Add</i>	60.23	
08 17 23 00-0019	EA	3'-6" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	457.43	89.87
		<i>For 8' Door Height, Add</i>	66.64	
08 17 23 00-0020	EA	Pair 2' x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	656.32	131.60
		<i>For 8' Door Height, Add</i>	94.35	
08 17 23 00-0021	EA	Pair 2'-6" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	702.17	141.23
		<i>For 8' Door Height, Add</i>	100.74	
08 17 23 00-0022	EA	Pair 3' x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	759.90	150.85
		<i>For 8' Door Height, Add</i>	109.96	

08 17 23 00-0023 Tempered Hardboard Faced (08 17 23 00-0002)

08 17 23 00-0024	EA	2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	320.72	80.24
		<i>For 8' Door Height, Add</i>	38.46	
08 17 23 00-0025	EA	2'-6" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	332.41	80.24
		<i>For 8' Door Height, Add</i>	41.26	
08 17 23 00-0026	EA	2'-8" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	344.38	83.45
		<i>For 8' Door Height, Add</i>	42.60	
08 17 23 00-0027	EA	3' x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	361.89	86.66
		<i>For 8' Door Height, Add</i>	45.26	
08 17 23 00-0028	EA	3'-4" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	382.62	86.66
		<i>For 8' Door Height, Add</i>	50.23	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 17 23 00-0029	EA	3'-6" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door <i>For 8' Door Height, Add</i>	393.89 51.39	89.87
08 17 23 00-0030	EA	Pair 2' x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door <i>For 8' Door Height, Add</i>	571.37 73.96	131.60
08 17 23 00-0031	EA	Pair 2'-6" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door <i>For 8' Door Height, Add</i>	626.29 82.52	141.23
08 17 23 00-0032	EA	Pair 3' x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door <i>For 8' Door Height, Add</i>	678.83 90.51	150.85
08 17 23 00-0033 Solid Core Doors, 1-3/8" Thick (08 17 23 00-0001)				
08 17 23 00-0034 Birch Faced (08 17 23 00-0033)				
08 17 23 00-0035	EA	2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door <i>For 8' Door Height, Add</i>	519.90 86.26	80.24
08 17 23 00-0036	EA	2'-6" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door <i>For 8' Door Height, Add</i>	538.80 90.80	80.24
08 17 23 00-0037	EA	2'-8" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door <i>For 8' Door Height, Add</i>	564.08 95.32	83.45
08 17 23 00-0038	EA	3' x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door <i>For 8' Door Height, Add</i>	593.52 100.85	86.66
08 17 23 00-0039	EA	3'-4" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door <i>For 8' Door Height, Add</i>	639.66 111.92	86.66
08 17 23 00-0040	EA	3'-6" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door <i>For 8' Door Height, Add</i>	686.85 121.70	89.87
08 17 23 00-0041	EA	Pair 2' x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door <i>For 8' Door Height, Add</i>	982.04 172.52	131.60
08 17 23 00-0042	EA	Pair 2'-6" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door <i>For 8' Door Height, Add</i>	1,039.09 181.60	141.23
08 17 23 00-0043	EA	Pair 3' x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door <i>For 8' Door Height, Add</i>	1,142.09 201.70	150.85
08 17 23 00-0044 Lauan Faced (08 17 23 00-0033)				
08 17 23 00-0045	EA	2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door <i>For 8' Door Height, Add</i>	568.64 97.96	80.24
08 17 23 00-0046	EA	2'-6" x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door <i>For 8' Door Height, Add</i>	591.08 103.34	80.24
08 17 23 00-0047	EA	2'-8" x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door <i>For 8' Door Height, Add</i>	619.92 108.72	83.45
08 17 23 00-0048	EA	3' x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door <i>For 8' Door Height, Add</i>	648.98 114.16	86.66
08 17 23 00-0049	EA	3'-4" x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door <i>For 8' Door Height, Add</i>	701.30 126.72	86.66
08 17 23 00-0050	EA	3'-6" x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door <i>For 8' Door Height, Add</i>	741.51 134.82	89.87
08 17 23 00-0051	EA	Pair 2' x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door <i>For 8' Door Height, Add</i>	1,079.51 195.91	131.60
08 17 23 00-0052	EA	Pair 2'-6" x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door <i>For 8' Door Height, Add</i>	1,143.68 206.70	141.23
08 17 23 00-0053	EA	Pair 3' x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door <i>For 8' Door Height, Add</i>	1,253.02 228.32	150.85
08 17 23 00-0054 Tempered Hardboard Faced (08 17 23 00-0033)				
08 17 23 00-0055	EA	2'-0" - 2'-4" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door <i>For 8' Door Height, Add</i>	428.70 64.37	80.24
08 17 23 00-0056	EA	2'-6" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door <i>For 8' Door Height, Add</i>	444.22 68.10	80.24
08 17 23 00-0057	EA	2'-8" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door <i>For 8' Door Height, Add</i>	466.22 71.84	83.45
08 17 23 00-0058	EA	3' x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door <i>For 8' Door Height, Add</i>	478.40 73.22	86.66
08 17 23 00-0059	EA	3'-4" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door <i>For 8' Door Height, Add</i>	512.05 81.30	86.66
08 17 23 00-0060	EA	3'-6" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door <i>For 8' Door Height, Add</i>	540.17 86.50	89.87
08 17 23 00-0061	PR	Pair 2' x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door <i>For 8' Door Height, Add</i>	799.62 128.74	131.60
08 17 23 00-0062	PR	Pair 2'-6" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door <i>For 8' Door Height, Add</i>	849.92 136.20	141.23
08 17 23 00-0063	PR	Pair 3' x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door <i>For 8' Door Height, Add</i>	911.85 146.44	150.85
08 17 23 00-0064 Hollow Core Doors, 1-3/4" Thick (08 17 23 00-0001)				
08 17 23 00-0065 Birch Faced (08 17 23 00-0064)				
08 17 23 00-0066	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door <i>For 8' Door Height, Add</i>	454.42 70.55	80.24
08 17 23 00-0067	EA	2'-6" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door <i>For 8' Door Height, Add</i>	465.52 73.21	80.24
08 17 23 00-0068	EA	2'-8" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door <i>For 8' Door Height, Add</i>	476.04 74.19	83.45
08 17 23 00-0069	EA	3' x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door <i>For 8' Door Height, Add</i>	500.54 78.53	86.66
08 17 23 00-0070	EA	3'-4" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door <i>For 8' Door Height, Add</i>	548.54 90.05	86.66

08 Openings**08 10 Doors and Frames****08 17 Integrated Door Opening Assemblies**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 17 23 00-0071	EA	3'-6" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door	611.05	89.87
		<i>For 8' Door Height, Add</i>	103.51	
08 17 23 00-0072	EA	Pair 2' x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door	851.12	131.60
		<i>For 8' Door Height, Add</i>	141.10	
08 17 23 00-0073	EA	Pair 2'-6" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door	892.51	141.23
		<i>For 8' Door Height, Add</i>	146.42	
08 17 23 00-0074	EA	Pair 3' x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door	956.18	150.85
		<i>For 8' Door Height, Add</i>	157.07	

08 17 23 00-0075 Lauan Faced (08 17 23 00-0064)

08 17 23 00-0076	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	410.17	80.24
		<i>For 8' Door Height, Add</i>	59.93	
08 17 23 00-0077	EA	2'-6" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	427.38	80.24
		<i>For 8' Door Height, Add</i>	64.06	
08 17 23 00-0078	EA	2'-8" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	447.76	83.45
		<i>For 8' Door Height, Add</i>	67.41	
08 17 23 00-0079	EA	3' x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	459.71	86.66
		<i>For 8' Door Height, Add</i>	68.73	
08 17 23 00-0080	EA	3'-4" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	491.20	86.66
		<i>For 8' Door Height, Add</i>	76.29	
08 17 23 00-0081	EA	3'-6" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	517.97	89.87
		<i>For 8' Door Height, Add</i>	81.17	
08 17 23 00-0082	EA	Pair 2' x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	762.60	131.60
		<i>For 8' Door Height, Add</i>	119.86	
08 17 23 00-0083	EA	Pair 2'-6" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	816.25	141.23
		<i>For 8' Door Height, Add</i>	128.11	
08 17 23 00-0084	EA	Pair 3' x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	874.51	150.85
		<i>For 8' Door Height, Add</i>	137.47	

08 17 23 00-0085 Tempered Hardboard Faced (08 17 23 00-0064)

08 17 23 00-0086	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	360.13	80.24
		<i>For 8' Door Height, Add</i>	47.92	
08 17 23 00-0087	EA	2'-6" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	365.69	80.24
		<i>For 8' Door Height, Add</i>	49.25	
08 17 23 00-0088	EA	2'-8" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	383.21	83.45
		<i>For 8' Door Height, Add</i>	51.91	
08 17 23 00-0089	EA	3' x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	400.72	86.66
		<i>For 8' Door Height, Add</i>	54.58	
08 17 23 00-0090	EA	3'-4" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	413.39	86.66
		<i>For 8' Door Height, Add</i>	57.62	
08 17 23 00-0091	EA	3'-6" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	425.37	89.87
		<i>For 8' Door Height, Add</i>	58.95	
08 17 23 00-0092	EA	Pair 2' x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	647.12	131.60
		<i>For 8' Door Height, Add</i>	92.15	
08 17 23 00-0093	EA	Pair 2'-6" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	692.86	141.23
		<i>For 8' Door Height, Add</i>	98.50	
08 17 23 00-0094	EA	Pair 3' x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	756.53	150.85
		<i>For 8' Door Height, Add</i>	109.15	

08 17 23 00-0095 Solid Core Doors, 1-3/4" Thick (08 17 23 00-0001)**08 17 23 00-0096 Oak Or Maple Faced** (08 17 23 00-0095)

08 17 23 00-0097	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door	869.63	80.24
		<i>For 8' Door Height, Add</i>	170.20	
08 17 23 00-0098	EA	2'-6" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door	873.96	80.24
		<i>For 8' Door Height, Add</i>	171.24	
08 17 23 00-0099	EA	2'-8" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door	917.03	83.45
		<i>For 8' Door Height, Add</i>	180.03	
08 17 23 00-0100	EA	3' x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door	933.03	86.66
		<i>For 8' Door Height, Add</i>	182.33	
08 17 23 00-0101	EA	3'-4" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door	1,015.38	86.66
		<i>For 8' Door Height, Add</i>	202.09	
08 17 23 00-0102	EA	3'-6" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door	1,119.38	89.87
		<i>For 8' Door Height, Add</i>	225.51	
08 17 23 00-0103	EA	Pair 2' x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door	1,681.50	131.60
		<i>For 8' Door Height, Add</i>	340.40	
08 17 23 00-0104	EA	Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door	1,709.44	141.23
		<i>For 8' Door Height, Add</i>	342.47	
08 17 23 00-0105	EA	Pair 3' x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door	1,821.13	150.85
		<i>For 8' Door Height, Add</i>	364.66	

08 17 23 00-0106 Walnut Faced (08 17 23 00-0095)

08 17 23 00-0107	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door	1,091.10	80.24
		<i>For 8' Door Height, Add</i>	223.35	
08 17 23 00-0108	EA	2'-6" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door	1,129.79	80.24
		<i>For 8' Door Height, Add</i>	232.63	
08 17 23 00-0109	EA	2'-8" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door	1,149.18	83.45
		<i>For 8' Door Height, Add</i>	235.75	
08 17 23 00-0110	EA	3' x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door	1,194.35	86.66
		<i>For 8' Door Height, Add</i>	245.05	
08 17 23 00-0111	EA	3'-4" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door	1,306.68	86.66
		<i>For 8' Door Height, Add</i>	272.01	
08 17 23 00-0112	EA	3'-6" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door	1,426.53	89.87
		<i>For 8' Door Height, Add</i>	299.23	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 17 23 00-0113	EA	Pair 2' x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door <i>For 8' Door Height, Add</i>	2,124.43 446.70	131.60
08 17 23 00-0114	EA	Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door..... <i>For 8' Door Height, Add</i>	2,221.06 465.27	141.23
08 17 23 00-0115	EA	Pair 3' x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door <i>For 8' Door Height, Add</i>	2,343.78 490.09	150.85

08 18 Glass Doors (08 10)

08 18 16 Sliding Glass Doors (08 18)

08 18 16 00-0001 Sliding Aluminum-Framed Glass Doors (08 18 16)

08 18 16 00-0002 Residential Sliding Aluminum-Framed Glass Doors (08 18 16 00-0001)

08 18 16 00-0003 5/8" Insulating Glass, Sliding Aluminum-Framed Glass Doors (08 18 16 00-0002)

08 18 16 00-0004	SF	Up To 6' Wide Sliding Glass Door 5/8" Insulated Glass With Frame, Trim, Hardware..... <i>For Custom Quality, Add</i> <i>For Tempered Glass, Add</i> <i>For Anodized Or Colored Aluminum Frames, Add</i>	49.90 8.66 1.42 6.23	5.77
08 18 16 00-0005	SF	>6' Up To 12' Wide Sliding Glass Door 5/8" Insulated Glass With Frame, Trim, Hardware..... <i>For Custom Quality, Add</i> <i>For Tempered Glass, Add</i> <i>For Anodized Or Colored Aluminum Frames, Add</i>	41.99 8.27 1.42 5.95	3.59

08 18 16 00-0006 1" Insulating Glass, Sliding Aluminum-Framed Glass Doors (08 18 16 00-0002)

08 18 16 00-0007	SF	Up To 6' Wide Sliding Glass Door 1" Insulated Glass With Frame, Trim, Hardware..... <i>For Custom Quality, Add</i> <i>For Tempered Glass, Add</i> <i>For Anodized Or Colored Aluminum Frames, Add</i>	56.10 10.21 1.42 7.35	5.77
08 18 16 00-0008	SF	>6' Up To 12' Wide Sliding Glass Door 1" Insulated Glass With Frame, Trim, Hardware..... <i>For Custom Quality, Add</i> <i>For Tempered Glass, Add</i> <i>For Anodized Or Colored Aluminum Frames, Add</i>	48.10 9.80 1.42 7.05	3.59

08 18 16 00-0009 Sliding Wood-Framed Glass Doors (08 18 16)

08 18 16 00-0010 Residential Wood Sliding Doors With 5/8" Glass (08 18 16 00-0009)

08 18 16 00-0011	EA	6' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Frame, Trim, Hardware	2,015.65	173.32
08 18 16 00-0012	EA	8' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Frame, Trim, Hardware	2,460.78	211.84
08 18 16 00-0013	EA	9' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Frame, Trim, Hardware	2,843.18	243.94
08 18 16 00-0014	EA	6' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Grille, Frame, Trim, Hardware	2,209.85	173.32
08 18 16 00-0015	EA	8' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Grille, Frame, Trim, Hardware	2,711.60	211.84
08 18 16 00-0016	EA	9' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Grille, Frame, Trim, Hardware	3,153.58	243.94

08 30 Specialty Doors and Frames (08)

Note: Includes caulk, sealant and mounting anchors.

08 31 Access Doors and Panels (08 30)

See CSI section 07 72 33 00-0000 for roof hatches, 23 33 33 00-0000 for duct-mounted access doors.

08 31 13 Access Doors and Frames (08 31)

08 31 13 00-0001 Stainless Steel Access Doors (08 31 13)

08 31 13 00-0002 Fire Rated Stainless Steel Access Doors (08 31 13 00-0001)

08 31 13 00-0003	EA	12" x 12" Fire Rated Stainless Steel Access Door With Cam Latch	504.62	86.33
08 31 13 00-0004	EA	12" x 18" Fire Rated Stainless Steel Access Door With Cam Latch	583.46	91.97
08 31 13 00-0005	EA	18" x 18" Fire Rated Stainless Steel Access Door With Cam Latch	676.86	97.27
08 31 13 00-0006	EA	24" x 18" Fire Rated Stainless Steel Access Door With Cam Latch	776.86	102.21
08 31 13 00-0007	EA	24" x 24" Fire Rated Stainless Steel Access Door With Cam Latch	793.90	102.74
08 31 13 00-0008	EA	24" x 36" Fire Rated Stainless Steel Access Door With Cam Latch	1,025.61	105.92

08 31 13 00-0009 Stainless Steel Access Doors (08 31 13 00-0001)

08 31 13 00-0010	EA	8" x 8" Stainless Steel Access Door With Cam Latch	223.15	66.20
08 31 13 00-0011	EA	12" x 12" Stainless Steel Access Door With Cam Latch	261.94	86.33
08 31 13 00-0012	EA	12" x 18" Stainless Steel Access Door With Cam Latch	358.76	91.97
08 31 13 00-0013	EA	18" x 18" Stainless Steel Access Door With Cam Latch	384.46	97.27
08 31 13 00-0014	EA	24" x 18" Stainless Steel Access Door With Cam Latch	441.42	102.21
08 31 13 00-0015	EA	24" x 24" Stainless Steel Access Door With Cam Latch	496.76	102.74

08 31 13 00-0016 Steel Access Doors (08 31 13)

Note: Includes paintable powder coated finish.

08 31 13 00-0017 Insulated Fire Rated Steel Access Doors (08 31 13 00-0016)

08 31 13 00-0018	EA	12" x 12" Insulated Fire Rated Steel Access Door With Cam Latch	351.14	86.86
08 31 13 00-0019	EA	12" x 18" Insulated Fire Rated Steel Access Door With Cam Latch	429.11	91.97
08 31 13 00-0020	EA	18" x 18" Insulated Fire Rated Steel Access Door With Cam Latch	430.80	97.27
08 31 13 00-0021	EA	24" x 18" Insulated Fire Rated Steel Access Door With Cam Latch	507.04	102.74
08 31 13 00-0022	EA	24" x 24" Insulated Fire Rated Steel Access Door With Cam Latch	528.32	102.74
08 31 13 00-0023	EA	24" x 36" Insulated Fire Rated Steel Access Door With Cam Latch	694.22	105.92

08 Openings**08 30 Specialty Doors and Frames****08 31 Access Doors and Panels**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 31 13 00-0024	EA	24" x 48" Insulated Fire Rated Steel Access Door With Cam Latch	795.27	110.34
08 31 13 00-0025	EA	36" x 36" Insulated Fire Rated Steel Access Door With Cam Latch	971.42	110.34
08 31 13 00-0026	EA	48" x 48" Insulated Fire Rated Steel Access Door With Cam Latch	1,242.50	132.40

08 31 13 00-0027 Steel Access Doors (08 31 13 00-0016)

08 31 13 00-0028	EA	8" x 8" Steel Access Door With Cam Latch.....	193.26	66.55
08 31 13 00-0029	EA	12" x 12" Steel Access Door With Cam Latch.....	206.88	86.86
08 31 13 00-0030	EA	12" x 18" Steel Access Door With Cam Latch.....	235.23	91.97
08 31 13 00-0031	EA	18" x 18" Steel Access Door With Cam Latch.....	242.83	97.27
08 31 13 00-0032	EA	24" x 18" Steel Access Door With Cam Latch.....	283.60	102.74
08 31 13 00-0033	EA	24" x 24" Steel Access Door With Cam Latch.....	289.47	102.74
08 31 13 00-0034	EA	24" x 36" Steel Access Door With Cam Latch.....	373.80	105.92
08 31 13 00-0035	EA	36" x 36" Steel Access Door With Cam Latch.....	480.58	110.34

08 31 13 00-0036 Fiberglass Reinforced Polyester (FRP) Access Doors (08 31 13)

08 31 13 00-0037	EA	8" x 8" Fiberglass Reinforced Polyester (FRP) Access Door With Lock	230.43	66.20
08 31 13 00-0038	EA	12" x 12" Fiberglass Reinforced Polyester (FRP) Access Door With Lock	253.70	70.61
08 31 13 00-0039	EA	12" x 18" Fiberglass Reinforced Polyester (FRP) Access Door With Lock	307.27	75.03
08 31 13 00-0040	EA	18" x 18" Fiberglass Reinforced Polyester (FRP) Access Door With Lock	360.59	79.44
08 31 13 00-0041	EA	24" x 18" Fiberglass Reinforced Polyester (FRP) Access Door With Lock	417.22	83.50
08 31 13 00-0042	EA	24" x 24" Fiberglass Reinforced Polyester (FRP) Access Door With Lock	444.71	83.85

08 31 13 00-0043 Steel Recessed Access Doors For Drywall Application (08 31 13)

Note: Includes paintable powder coated finish.

08 31 13 00-0044	EA	8" x 8" Recessed Steel Access Door With Cam Latch.....	263.63	66.20
		For Recessed Doors In Acoustical Tile, Add	33.28	
08 31 13 00-0045	EA	12" x 12" Recessed Steel Access Door With Cam Latch.....	276.63	70.96
		For Recessed Doors In Acoustical Tile, Add	36.53	
08 31 13 00-0046	EA	12" x 18" Recessed Steel Access Door With Cam Latch.....	296.79	75.03
		For Recessed Doors In Acoustical Tile, Add	38.04	
08 31 13 00-0047	EA	18" x 18" Recessed Steel Access Door With Cam Latch.....	344.50	79.44
		For Recessed Doors In Acoustical Tile, Add	35.71	
08 31 13 00-0048	EA	24" x 18" Recessed Steel Access Door With Cam Latch.....	362.59	83.85
		For Recessed Doors In Acoustical Tile, Add	37.87	
08 31 13 00-0049	EA	24" x 24" Recessed Steel Access Door With Cam Latch.....	393.54	83.85
		For Recessed Doors In Acoustical Tile, Add	33.23	
08 31 13 00-0050	EA	24" x 36" Recessed Steel Access Door With Cam Latch.....	490.84	105.92
		For Recessed Doors In Acoustical Tile, Add	42.89	
08 31 13 00-0051	EA	36" x 36" Recessed Steel Access Door With Cam Latch.....	683.48	110.34
		For Recessed Doors In Acoustical Tile, Add	18.85	

08 31 13 00-0052 Steel Crawl Space Doors And Frames (08 31 13)

Note: Includes paintable powder coated finish.

08 31 13 00-0053	EA	24" x 24" Steel Crawl Space Door With Cam Latch	306.54	111.74
08 31 13 00-0054	EA	30" x 24" Steel Crawl Space Door With Cam Latch	423.72	135.41
08 31 13 00-0055	EA	30" x 30" Steel Crawl Space Door With Cam Latch	473.41	147.05

08 33 Coiling Doors and Grilles (08 30)**08 33 13 Coiling Counter Doors** (08 33)**08 33 13 00-0001 Overhead Rolling Counter Doors** (08 33 13)**08 33 13 00-0002 Galvanized Steel Overhead Rolling Counter Doors** (08 33 13 00-0001)

Note: Includes necessary anchors, track and hardware. Includes galvanized steel primed with choice of baked-on polyester topcoat finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0003	EA	4' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	5,842.30	437.23
		For Motor Operator (With Safety Reverse), Add	759.31	
08 33 13 00-0004	EA	6' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	6,130.13	437.23
		For Motor Operator (With Safety Reverse), Add	759.31	
08 33 13 00-0005	EA	8' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	6,616.99	464.56
		For Motor Operator (With Safety Reverse), Add	764.82	
08 33 13 00-0006	EA	10' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	7,116.18	546.54
		For Motor Operator (With Safety Reverse), Add	785.95	
08 33 13 00-0007	EA	4' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	7,137.54	437.23
		For Motor Operator (With Safety Reverse), Add	759.31	
08 33 13 00-0008	EA	6' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	7,474.87	485.76
		For Motor Operator (With Safety Reverse), Add	771.45	
08 33 13 00-0009	EA	8' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	7,667.36	505.22
		For Motor Operator (With Safety Reverse), Add	776.31	
08 33 13 00-0010	EA	10' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	8,130.39	546.54
		For Motor Operator (With Safety Reverse), Add	786.63	

08 33 13 00-0011 Stainless Steel Overhead Rolling Counter Doors (08 33 13 00-0001)

Note: Includes necessary anchors, track and hardware. Includes No. 4 stainless steel finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0012	EA	4' x 4', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	6,561.88	437.23
		For Motor Operator (With Safety Reverse), Add	759.31	
08 33 13 00-0013	EA	6' x 4', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	7,353.42	437.23
		For Motor Operator (With Safety Reverse), Add	759.31	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 13 00-0014	EA	8' x 4', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651) <i>For Motor Operator (With Safety Reverse), Add</i>	7,552.44 764.82	464.56
08 33 13 00-0015	EA	10' x 4', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651) <i>For Motor Operator (With Safety Reverse), Add</i>	9,202.96 785.95	546.54
08 33 13 00-0016	EA	4' x 6', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651) <i>For Motor Operator (With Safety Reverse), Add</i>	7,857.12 759.31	437.23
08 33 13 00-0017	EA	6' x 6', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651) <i>For Motor Operator (With Safety Reverse), Add</i>	8,122.49 771.45	485.76
08 33 13 00-0018	EA	8' x 6', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651) <i>For Motor Operator (With Safety Reverse), Add</i>	8,314.98 776.31	505.22
08 33 13 00-0019	EA	10' x 6', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651) <i>For Motor Operator (With Safety Reverse), Add</i>	10,576.96 786.63	546.54
08 33 13 00-0020 Aluminum Overhead Rolling Counter Doors (08 33 13 00-0001)				
Note: Includes necessary anchors, track and hardware. Includes clear anodized aluminum finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.				
08 33 13 00-0021	EA	4' x 4', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652) <i>For Motor Operator (With Safety Reverse), Add</i>	6,417.96 759.31	437.23
08 33 13 00-0022	EA	6' x 4', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652) <i>For Motor Operator (With Safety Reverse), Add</i>	6,705.79 759.31	437.23
08 33 13 00-0023	EA	8' x 4', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652) <i>For Motor Operator (With Safety Reverse), Add</i>	7,480.48 764.82	464.56
08 33 13 00-0024	EA	10' x 4', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652) <i>For Motor Operator (With Safety Reverse), Add</i>	8,843.17 785.95	546.54
08 33 13 00-0025	EA	4' x 6', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652) <i>For Motor Operator (With Safety Reverse), Add</i>	7,713.21 759.31	437.23
08 33 13 00-0026	EA	6' x 6', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652) <i>For Motor Operator (With Safety Reverse), Add</i>	8,050.53 771.45	485.76
08 33 13 00-0027	EA	8' x 6', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652) <i>For Motor Operator (With Safety Reverse), Add</i>	8,279.00 776.31	505.22
08 33 13 00-0028	EA	10' x 6', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652) <i>For Motor Operator (With Safety Reverse), Add</i>	10,433.05 786.63	546.54
08 33 13 00-0029 Galvanized Steel Overhead Rolling Counter Fire Doors (08 33 13 00-0001)				
Note: Includes necessary anchors, track and hardware. Includes galvanized steel primed with choice of baked-on polyester top coat finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.				
08 33 13 00-0030	EA	4' x 4', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640) <i>For Motor Operator (With Safety Reverse), Add</i>	7,569.29 759.31	437.23
08 33 13 00-0031	EA	6' x 4', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640) <i>For Motor Operator (With Safety Reverse), Add</i>	8,001.04 759.31	437.23
08 33 13 00-0032	EA	8' x 4', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640) <i>For Motor Operator (With Safety Reverse), Add</i>	8,631.81 764.82	464.56
08 33 13 00-0033	EA	10' x 4', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640) <i>For Motor Operator (With Safety Reverse), Add</i>	9,274.92 785.95	546.54
08 33 13 00-0034	EA	4' x 6', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640) <i>For Motor Operator (With Safety Reverse), Add</i>	8,432.79 759.31	437.23
08 33 13 00-0035	EA	6' x 6', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640) <i>For Motor Operator (With Safety Reverse), Add</i>	8,842.07 771.45	485.76
08 33 13 00-0036	EA	8' x 6', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640) <i>For Motor Operator (With Safety Reverse), Add</i>	9,178.48 776.31	505.22
08 33 13 00-0037	EA	10' x 6', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640) <i>For Motor Operator (With Safety Reverse), Add</i>	9,425.64 786.63	546.54
08 33 13 00-0038 Stainless Steel Overhead Rolling Counter Fire Doors (08 33 13 00-0001)				
Note: Includes necessary anchors, track and hardware. Includes No. 4 stainless steel finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.				
08 33 13 00-0039	EA	4' x 4', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641) <i>For Motor Operator (With Safety Reverse), Add</i>	8,576.70 759.31	437.23
08 33 13 00-0040	EA	6' x 4', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641) <i>For Motor Operator (With Safety Reverse), Add</i>	9,728.03 759.31	437.23
08 33 13 00-0041	EA	8' x 4', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641) <i>For Motor Operator (With Safety Reverse), Add</i>	9,927.06 764.82	464.56
08 33 13 00-0042	EA	10' x 4', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641) <i>For Motor Operator (With Safety Reverse), Add</i>	12,153.24 785.95	546.54
08 33 13 00-0043	EA	4' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641) <i>For Motor Operator (With Safety Reverse), Add</i>	9,296.28 759.31	437.23
08 33 13 00-0044	EA	6' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641) <i>For Motor Operator (With Safety Reverse), Add</i>	9,633.61 771.45	485.76
08 33 13 00-0045	EA	8' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641) <i>For Motor Operator (With Safety Reverse), Add</i>	9,970.02 776.31	505.22
08 33 13 00-0046	EA	10' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641) <i>For Motor Operator (With Safety Reverse), Add</i>	12,303.96 786.63	546.54
08 33 13 00-0047 Integral Frame And Sill, Overhead Rolling Counter Doors (08 33 13)				

08 Openings**08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 33 13 00-0048	Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill (08 33 13 00-0047)			
	Note: Includes necessary anchors, track and hardware. Stainless surfaces feature a standard No. 4 finish, aluminum slats are finished with clear anodized finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.			
08 33 13 00-0049	EA	4' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655).....	12,318.52	437.23
		<i>For Motor Operator (With Safety Reverse), Add</i>	759.31	
08 33 13 00-0050	EA	6' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655).....	12,606.35	437.23
		<i>For Motor Operator (With Safety Reverse), Add</i>	759.31	
08 33 13 00-0051	EA	8' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655).....	20,915.76	464.56
		<i>For Motor Operator (With Safety Reverse), Add</i>	764.82	
08 33 13 00-0052	EA	10' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655).....	13,448.48	546.54
		<i>For Motor Operator (With Safety Reverse), Add</i>	785.95	
08 33 13 00-0053	EA	4' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655).....	12,750.27	437.23
		<i>For Motor Operator (With Safety Reverse), Add</i>	759.31	
08 33 13 00-0054	EA	6' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655).....	13,159.55	485.76
		<i>For Motor Operator (With Safety Reverse), Add</i>	771.45	
08 33 13 00-0055	EA	8' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655).....	13,495.96	505.22
		<i>For Motor Operator (With Safety Reverse), Add</i>	776.31	
08 33 13 00-0056	EA	10' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655).....	15,038.36	546.54
		<i>For Motor Operator (With Safety Reverse), Add</i>	786.63	
08 33 13 00-0057	Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Frame and Stainless Steel Sill (08 33 13 00-0047)			
	Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Stainless surfaces feature a standard No. 4 finish, aluminum slats are finished with clear anodized finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.			
08 33 13 00-0058	EA	4' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656).....	10,879.36	437.23
		<i>For Motor Operator (With Safety Reverse), Add</i>	759.31	
08 33 13 00-0059	EA	6' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656).....	11,167.19	437.23
		<i>For Motor Operator (With Safety Reverse), Add</i>	759.31	
08 33 13 00-0060	EA	8' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656).....	11,510.13	464.56
		<i>For Motor Operator (With Safety Reverse), Add</i>	764.82	
08 33 13 00-0061	EA	10' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656).....	12,009.32	546.54
		<i>For Motor Operator (With Safety Reverse), Add</i>	785.95	
08 33 13 00-0062	EA	4' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656).....	12,174.60	437.23
		<i>For Motor Operator (With Safety Reverse), Add</i>	759.31	
08 33 13 00-0063	EA	6' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656).....	12,583.88	485.76
		<i>For Motor Operator (With Safety Reverse), Add</i>	771.45	
08 33 13 00-0064	EA	8' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656).....	13,064.21	505.22
		<i>For Motor Operator (With Safety Reverse), Add</i>	776.31	
08 33 13 00-0065	EA	10' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656).....	13,455.28	546.54
		<i>For Motor Operator (With Safety Reverse), Add</i>	786.63	
08 33 13 00-0066	Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill (08 33 13 00-0047)			
	Note: Includes necessary anchors, track and hardware. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.			
08 33 13 00-0067	EA	4' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657).....	16,923.83	437.23
		<i>For Motor Operator (With Safety Reverse), Add</i>	759.31	
08 33 13 00-0068	EA	6' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657).....	18,362.99	437.23
		<i>For Motor Operator (With Safety Reverse), Add</i>	759.31	
08 33 13 00-0069	EA	8' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657).....	21,296.42	464.56
		<i>For Motor Operator (With Safety Reverse), Add</i>	764.82	
08 33 13 00-0070	EA	10' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657).....	22,946.94	546.54
		<i>For Motor Operator (With Safety Reverse), Add</i>	785.95	
08 33 13 00-0071	EA	4' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657).....	19,082.57	437.23
		<i>For Motor Operator (With Safety Reverse), Add</i>	759.31	
08 33 13 00-0072	EA	6' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657).....	20,643.18	485.76
		<i>For Motor Operator (With Safety Reverse), Add</i>	771.45	

MINOR		CSI UOM DESCRIPTION		TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
08 33 13 00-0073	EA	8' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)		22,850.50	505.22
		For Motor Operator (With Safety Reverse), Add		776.31	
08 33 13 00-0074	EA	10' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)		25,832.06	546.54
		For Motor Operator (With Safety Reverse), Add		786.63	
08 33 13 00-0075	Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Frame and Stainless Steel Sill (08 33 13 00-0047)				
Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.					
08 33 13 00-0076	EA	4' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)		14,333.34	437.23
		For Motor Operator (With Safety Reverse), Add		759.31	
08 33 13 00-0077	EA	6' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)		14,621.17	437.23
		For Motor Operator (With Safety Reverse), Add		759.31	
08 33 13 00-0078	EA	8' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)		15,251.95	464.56
		For Motor Operator (With Safety Reverse), Add		764.82	
08 33 13 00-0079	EA	10' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)		16,470.72	546.54
		For Motor Operator (With Safety Reverse), Add		785.95	
08 33 13 00-0080	EA	4' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)		15,196.84	437.23
		For Motor Operator (With Safety Reverse), Add		759.31	
08 33 13 00-0081	EA	6' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)		16,181.78	485.76
		For Motor Operator (With Safety Reverse), Add		771.45	
08 33 13 00-0082	EA	8' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)		17,093.86	505.22
		For Motor Operator (With Safety Reverse), Add		776.31	
08 33 13 00-0083	EA	10' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)		20,075.42	546.54
		For Motor Operator (With Safety Reverse), Add		786.63	
08 33 13 00-0084	Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood (08 33 13 00-0047)				
Note: Includes necessary anchors, track and hardware. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.					
08 33 13 00-0085	EA	4' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 660)		20,521.73	437.23
		For Motor Operator (With Safety Reverse), Add		759.31	
08 33 13 00-0086	EA	6' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 660)		21,241.31	437.23
		For Motor Operator (With Safety Reverse), Add		759.31	
08 33 13 00-0087	EA	8' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 660)		24,174.74	464.56
		For Motor Operator (With Safety Reverse), Add		764.82	
08 33 13 00-0088	Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood (08 33 13 00-0047)				
Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.					
08 33 13 00-0089	EA	4' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 661)		15,484.67	437.23
		For Motor Operator (With Safety Reverse), Add		759.31	
08 33 13 00-0090	EA	6' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 661)		21,241.31	437.23
		For Motor Operator (With Safety Reverse), Add		759.31	
08 33 13 00-0091	EA	8' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 661)		24,174.74	464.56
		For Motor Operator (With Safety Reverse), Add		764.82	
08 33 13 00-0092	Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood (08 33 13 00-0047)				
Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.					
08 33 13 00-0093	EA	4' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662)		13,469.85	437.23
		For Motor Operator (With Safety Reverse), Add		759.31	
08 33 13 00-0094	EA	6' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662)		15,196.84	437.23
		For Motor Operator (With Safety Reverse), Add		759.31	
08 33 13 00-0095	EA	8' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662)		16,259.36	464.56
		For Motor Operator (With Safety Reverse), Add		764.82	

08 Openings**08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 33 13 00-0096	EA	10' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662)	17,909.88	546.54
		For Motor Operator (With Safety Reverse), Add	785.95	

08 33 16 Coiling Counter Grilles (08 33)**08 33 16 00-0001 Galvanized Steel Overhead Coiling Counter Grilles (Width x Height)** (08 33 16)

08 33 16 00-0002	EA	4' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	1,432.49	191.29
		For Lexan Lattice Pattern, Add	132.89	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	100.28	
		For Staggered Brick Pattern, Add	178.52	
08 33 16 00-0003	EA	6' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	1,545.80	191.29
		For Lexan Lattice Pattern, Add	149.89	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	137.99	
		For Staggered Brick Pattern, Add	242.18	
08 33 16 00-0004	EA	8' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	1,842.33	255.02
		For Lexan Lattice Pattern, Add	167.04	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	175.72	
		For Staggered Brick Pattern, Add	305.85	
08 33 16 00-0005	EA	12' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	2,115.00	255.02
		For Lexan Lattice Pattern, Add	207.94	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	251.15	
		For Staggered Brick Pattern, Add	433.18	
08 33 16 00-0006	EA	16' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	2,926.06	382.57
		For Lexan Lattice Pattern, Add	274.95	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	376.24	
		For Staggered Brick Pattern, Add	571.20	
08 33 16 00-0007	EA	18' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	3,330.87	437.23
		For Lexan Lattice Pattern, Add	308.45	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	376.24	
		For Staggered Brick Pattern, Add	571.20	
08 33 16 00-0008	EA	20' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	3,737.13	509.92
		For Lexan Lattice Pattern, Add	341.96	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	501.34	
		For Staggered Brick Pattern, Add	709.21	
08 33 16 00-0009	EA	24' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	4,625.21	612.12
		For Lexan Lattice Pattern, Add	431.03	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	601.61	
		For Staggered Brick Pattern, Add	733.37	
08 33 16 00-0010	EA	30' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	5,698.49	765.15
		For Lexan Lattice Pattern, Add	526.85	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	704.17	
		For Staggered Brick Pattern, Add	841.83	
08 33 16 00-0011	EA	4' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	1,518.98	191.29
		For Lexan Lattice Pattern, Add	145.87	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	150.39	
		For Staggered Brick Pattern, Add	207.41	
08 33 16 00-0012	EA	6' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	1,681.72	191.29
		For Lexan Lattice Pattern, Add	170.28	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	225.58	
		For Staggered Brick Pattern, Add	282.08	
08 33 16 00-0013	EA	8' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	1,959.87	255.13
		For Lexan Lattice Pattern, Add	184.67	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	300.74	
		For Staggered Brick Pattern, Add	356.75	
08 33 16 00-0014	EA	12' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	2,274.05	255.13
		For Lexan Lattice Pattern, Add	231.80	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	451.21	
		For Staggered Brick Pattern, Add	506.08	
08 33 16 00-0015	EA	16' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	3,149.15	382.57
		For Lexan Lattice Pattern, Add	308.41	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	601.61	
		For Staggered Brick Pattern, Add	696.69	
08 33 16 00-0016	EA	18' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	3,585.97	437.23
		For Lexan Lattice Pattern, Add	346.72	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	601.61	
		For Staggered Brick Pattern, Add	696.69	
08 33 16 00-0017	EA	20' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	4,020.36	509.92
		For Lexan Lattice Pattern, Add	385.02	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	752.02	
		For Staggered Brick Pattern, Add	887.29	
08 33 16 00-0018	EA	24' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	4,997.28	612.12
		For Lexan Lattice Pattern, Add	486.84	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	902.41	
		For Staggered Brick Pattern, Add	1,022.87	
08 33 16 00-0019	EA	30' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	6,069.07	765.15
		For Lexan Lattice Pattern, Add	582.44	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	1,050.65	
		For Staggered Brick Pattern, Add	1,146.71	

08 33 23 Overhead Coiling Doors (08 33)

Note: Excludes lifting equipment (forklift or scissor lift) where required. See CSI section 01 22 23 00-0051 for scissor lifts, 01 22 23 00-1077 for forklift.

08 33 23 11 Overhead Coiling Doors (08 33 23)

Note: Includes panels, guides, counterbalance mechanisms, hardware, and/or trim as required. Excludes lifting equipment (forklift or scissor lift) where required.

08 33 23 11-0001	Galvanized Steel Overhead Coiling Doors (Width x Height) (08 33 23 11) Note: Includes necessary anchors, track, and hardware. Includes galvanized steel primed with choice of baked-on polyester top coat finish. 20 psf wind load. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports and weatherseal. See CSI section 05 12 23 00-0422 for lightweight framing and angle iron.		
08 33 23 11-0002	26 Gauge Galvanized Steel Overhead Coiling Doors (08 33 23 11-0001)		
08 33 23 11-0003	EA 4' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,503.73	645.75
08 33 23 11-0004	EA 4' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,608.93	683.74
08 33 23 11-0005	EA 5' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,605.51	683.74
08 33 23 11-0006	EA 5' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,715.17	721.73
08 33 23 11-0007	EA 6' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,745.28	740.75
08 33 23 11-0008	EA 6' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,892.56	797.70
08 33 23 11-0009	EA 6' x 9', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	2,014.97	835.69
08 33 23 11-0010	EA 8' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,981.24	835.69
08 33 23 11-0011	EA 8' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	2,043.66	854.68
08 33 23 11-0012	EA 8' x 9', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	2,116.94	873.68
08 33 23 11-0013	EA 8' x 10', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	2,261.18	911.66
08 33 23 11-0014	EA 10' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	2,112.24	873.68
08 33 23 11-0015	EA 10' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	2,238.73	911.66
08 33 23 11-0016	EA 10' x 9', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	2,382.06	949.65
08 33 23 11-0017	EA 10' x 10', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	2,492.84	987.64
08 33 23 11-0018	24 Gauge Galvanized Steel Overhead Coiling Doors (08 33 23 11-0001) Note: With curtain hood (barrel cover).		
08 33 23 11-0019	EA 8' x 7', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,534.16	961.04
	For 3/4" Insulated Slats, Add	1,449.32	
08 33 23 11-0020	EA 8' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,633.64	982.89
	For 3/4" Insulated Slats, Add	1,496.58	
08 33 23 11-0021	EA 8' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,928.06	1,048.40
	For 3/4" Insulated Slats, Add	1,635.53	
08 33 23 11-0022	EA 8' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,185.41	1,092.09
	For 3/4" Insulated Slats, Add	1,773.95	
08 33 23 11-0023	EA 10' x 7', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,777.12	1,004.73
	For 3/4" Insulated Slats, Add	1,576.93	
08 33 23 11-0024	EA 10' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,078.92	1,092.09
	For 3/4" Insulated Slats, Add	1,694.08	
08 33 23 11-0025	EA 10' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,293.36	1,135.78
	For 3/4" Insulated Slats, Add	1,800.30	
08 33 23 11-0026	EA 10' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,563.87	1,179.46
	For 3/4" Insulated Slats, Add	1,948.58	
08 33 23 11-0027	EA 12' x 7', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,030.97	1,048.40
	For 3/4" Insulated Slats, Add	1,712.72	
08 33 23 11-0028	EA 12' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,265.55	1,092.09
	For 3/4" Insulated Slats, Add	1,834.05	
08 33 23 11-0029	EA 12' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,587.53	1,179.46
	For 3/4" Insulated Slats, Add	1,966.32	
08 33 23 11-0030	EA 12' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,931.03	1,217.44
	For 3/4" Insulated Slats, Add	2,176.46	
08 33 23 11-0031	EA 14' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,055.10	1,293.42
	For 3/4" Insulated Slats, Add	2,174.56	
08 33 23 11-0032	EA 14' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,513.50	1,369.39
	For 3/4" Insulated Slats, Add	2,423.39	
08 33 23 11-0033	EA 14' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,990.45	1,445.36
	For 3/4" Insulated Slats, Add	2,686.14	
08 33 23 11-0034	22 Gauge Galvanized Steel Overhead Coiling Doors (08 33 23 11-0001) Note: With curtain hood (barrel cover).		
08 33 23 11-0035	EA 4' x 8', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,118.91	864.93
	For 3/4" Insulated Slats, Add	1,258.01	
08 33 23 11-0036	EA 4' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,353.99	913.00
	For 3/4" Insulated Slats, Add	1,374.21	
08 33 23 11-0037	EA 4' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,521.69	950.99
	For 3/4" Insulated Slats, Add	1,452.50	
08 33 23 11-0038	EA 6' x 8', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,562.65	1,009.10
	For 3/4" Insulated Slats, Add	1,410.58	
08 33 23 11-0039	EA 6' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,909.29	1,105.21
	For 3/4" Insulated Slats, Add	1,550.42	
08 33 23 11-0040	EA 6' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,127.17	1,143.19
	For 3/4" Insulated Slats, Add	1,666.35	
08 33 23 11-0041	EA 6' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,639.92	1,181.17
	For 3/4" Insulated Slats, Add	2,003.43	
08 33 23 11-0042	EA 6' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,190.63	1,238.16
	For 3/4" Insulated Slats, Add	2,345.24	
08 33 23 11-0043	EA 8' x 8', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,870.30	1,081.17
	For 3/4" Insulated Slats, Add	1,551.28	
08 33 23 11-0044	EA 8' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,185.28	1,153.25
	For 3/4" Insulated Slats, Add	1,697.40	
08 33 23 11-0045	EA 8' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,436.84	1,201.31
	For 3/4" Insulated Slats, Add	1,825.96	
08 33 23 11-0046	EA 8' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,930.05	1,239.29
	For 3/4" Insulated Slats, Add	2,148.38	
08 33 23 11-0047	EA 8' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,461.21	1,296.28
	For 3/4" Insulated Slats, Add	2,475.53	
08 33 23 11-0048	EA 10' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,563.03	1,249.36
	For 3/4" Insulated Slats, Add	1,860.58	

08 Openings**08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 33 23 11-0049	EA	10' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,889.35	1,297.41
		<i>For 3/4" Insulated Slats, Add</i>	2,045.21	
08 33 23 11-0050	EA	10' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	5,477.96	1,373.39
		<i>For 3/4" Insulated Slats, Add</i>	2,391.70	
08 33 23 11-0051	EA	10' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,142.52	1,487.35
		<i>For 3/4" Insulated Slats, Add</i>	2,747.68	
08 33 23 11-0052	EA	10' x 18', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,830.52	1,639.28
		<i>For 3/4" Insulated Slats, Add</i>	3,073.74	
08 33 23 11-0053	EA	10' x 20', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	7,594.46	1,829.22
		<i>For 3/4" Insulated Slats, Add</i>	3,409.29	
08 33 23 11-0054	EA	10' x 22', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	8,434.40	2,057.13
		<i>For 3/4" Insulated Slats, Add</i>	3,754.34	
08 33 23 11-0055	EA	10' x 24', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	9,348.65	2,323.04
		<i>For 3/4" Insulated Slats, Add</i>	4,107.66	
08 33 23 11-0056	EA	12' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,904.79	1,297.41
		<i>For 3/4" Insulated Slats, Add</i>	2,056.79	
08 33 23 11-0057	EA	12' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	5,227.08	1,339.20
		<i>For 3/4" Insulated Slats, Add</i>	2,246.27	
08 33 23 11-0058	EA	12' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	5,957.27	1,415.17
		<i>For 3/4" Insulated Slats, Add</i>	2,698.95	
08 33 23 11-0059	EA	12' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,763.41	1,529.13
		<i>For 3/4" Insulated Slats, Add</i>	3,161.11	
08 33 23 11-0060	EA	12' x 18', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	7,565.30	1,681.07
		<i>For 3/4" Insulated Slats, Add</i>	3,572.60	
08 33 23 11-0061	EA	12' x 20', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	8,443.17	1,871.00
		<i>For 3/4" Insulated Slats, Add</i>	3,993.58	
08 33 23 11-0062	EA	12' x 22', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	9,396.99	2,098.92
		<i>For 3/4" Insulated Slats, Add</i>	4,424.06	
08 33 23 11-0063	EA	12' x 24', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	10,502.74	2,402.80
		<i>For 3/4" Insulated Slats, Add</i>	4,873.52	

08 33 23 11-0064 20 Gauge Galvanized Steel Overhead Coiling Doors (08 33 23 11-0001)

Note: With curtain hood (barrel cover)

08 33 23 11-0065	EA	14' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	5,973.34	1,510.71
		<i>For 3/4" Insulated Slats, Add</i>	2,591.64	
08 33 23 11-0066	EA	14' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,526.10	1,586.69
		<i>For 3/4" Insulated Slats, Add</i>	2,911.24	
08 33 23 11-0067	EA	14' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	7,185.46	1,662.66
		<i>For 3/4" Insulated Slats, Add</i>	3,310.80	
08 33 23 11-0068	EA	14' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	7,854.15	1,776.61
		<i>For 3/4" Insulated Slats, Add</i>	3,669.87	
08 33 23 11-0069	EA	14' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	8,635.22	1,928.56
		<i>For 3/4" Insulated Slats, Add</i>	4,065.74	
08 33 23 11-0070	EA	14' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	9,415.62	2,080.50
		<i>For 3/4" Insulated Slats, Add</i>	4,461.11	
08 33 23 11-0071	EA	14' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	10,992.10	2,270.43
		<i>For 3/4" Insulated Slats, Add</i>	5,406.06	
08 33 23 11-0072	EA	14' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	12,644.55	2,498.35
		<i>For 3/4" Insulated Slats, Add</i>	6,360.50	
08 33 23 11-0073	EA	16' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	7,166.37	1,737.32
		<i>For 3/4" Insulated Slats, Add</i>	3,203.13	
08 33 23 11-0074	EA	16' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	7,790.81	1,813.29
		<i>For 3/4" Insulated Slats, Add</i>	3,576.50	
08 33 23 11-0075	EA	16' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	8,350.40	1,889.27
		<i>For 3/4" Insulated Slats, Add</i>	3,901.22	
08 33 23 11-0076	EA	16' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	9,004.72	2,003.22
		<i>For 3/4" Insulated Slats, Add</i>	4,249.52	
08 33 23 11-0077	EA	16' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	9,789.06	2,155.17
		<i>For 3/4" Insulated Slats, Add</i>	4,647.84	
08 33 23 11-0078	EA	16' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	10,675.53	2,307.10
		<i>For 3/4" Insulated Slats, Add</i>	5,122.76	
08 33 23 11-0079	EA	16' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	12,002.72	2,497.04
		<i>For 3/4" Insulated Slats, Add</i>	5,880.75	
08 33 23 11-0080	EA	16' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	13,415.73	2,724.95
		<i>For 3/4" Insulated Slats, Add</i>	6,655.61	
08 33 23 11-0081	EA	18' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	7,774.66	1,954.50
		<i>For 3/4" Insulated Slats, Add</i>	3,387.85	
08 33 23 11-0082	EA	18' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	8,336.88	2,030.46
		<i>For 3/4" Insulated Slats, Add</i>	3,714.54	
08 33 23 11-0083	EA	18' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	9,231.24	2,144.42
		<i>For 3/4" Insulated Slats, Add</i>	4,242.87	
08 33 23 11-0084	EA	18' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	10,076.03	2,296.37
		<i>For 3/4" Insulated Slats, Add</i>	4,686.53	
08 33 23 11-0085	EA	18' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	11,001.83	2,486.29
		<i>For 3/4" Insulated Slats, Add</i>	5,143.47	
08 33 23 11-0086	EA	18' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	12,004.24	2,714.21
		<i>For 3/4" Insulated Slats, Add</i>	5,610.38	
08 33 23 11-0087	EA	18' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	13,666.28	2,980.11
		<i>For 3/4" Insulated Slats, Add</i>	6,524.54	
08 33 23 11-0088	EA	18' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	15,434.19	3,283.99
		<i>For 3/4" Insulated Slats, Add</i>	7,470.61	
08 33 23 11-0089	EA	20' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	8,891.93	2,247.67
		<i>For 3/4" Insulated Slats, Add</i>	3,859.32	
08 33 23 11-0090	EA	20' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	9,935.94	2,323.64
		<i>For 3/4" Insulated Slats, Add</i>	4,547.37	
08 33 23 11-0091	EA	20' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	11,287.12	2,748.16
		<i>For 3/4" Insulated Slats, Add</i>	5,030.18	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 11-0092	EA	20' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	12,413.16	2,862.12
		For 3/4" Insulated Slats, Add	.....	5,732.27	
08 33 23 11-0093	EA	20' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	13,772.83	3,014.05
		For 3/4" Insulated Slats, Add	.....	6,562.09	
08 33 23 11-0094	EA	20' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	15,282.09	3,166.00
		For 3/4" Insulated Slats, Add	.....	7,504.11	
08 33 23 11-0095	EA	20' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	16,874.40	3,355.92
		For 3/4" Insulated Slats, Add	.....	8,460.93	
08 33 23 11-0096	EA	20' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	18,567.39	3,583.84
		For 3/4" Insulated Slats, Add	.....	9,445.78	
08 33 23 11-0097	EA	22' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	9,805.07	2,660.79
		For 3/4" Insulated Slats, Add	.....	4,027.86	
08 33 23 11-0098	EA	22' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	10,985.97	2,774.74
		For 3/4" Insulated Slats, Add	.....	4,771.09	
08 33 23 11-0099	EA	22' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	12,606.05	3,022.96
		For 3/4" Insulated Slats, Add	.....	5,675.81	
08 33 23 11-0100	EA	22' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	14,058.63	3,136.91
		For 3/4" Insulated Slats, Add	.....	6,622.79	
08 33 23 11-0101	EA	22' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	15,591.88	3,288.86
		For 3/4" Insulated Slats, Add	.....	7,582.80	
08 33 23 11-0102	EA	22' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	17,274.20	3,440.81
		For 3/4" Insulated Slats, Add	.....	8,654.61	
08 33 23 11-0103	EA	22' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	19,037.43	3,630.73
		For 3/4" Insulated Slats, Add	.....	9,739.62	
08 33 23 11-0104	EA	22' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	20,866.66	3,858.65
		For 3/4" Insulated Slats, Add	.....	10,826.65	
08 33 23 11-0105	EA	24' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	10,804.90	2,926.86
		For 3/4" Insulated Slats, Add	.....	4,445.07	
08 33 23 11-0106	EA	24' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	11,608.29	3,002.83
		For 3/4" Insulated Slats, Add	.....	4,952.65	
08 33 23 11-0107	EA	24' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	13,313.65	3,078.80
		For 3/4" Insulated Slats, Add	.....	6,136.71	
08 33 23 11-0108	EA	24' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	14,928.92	3,192.75
		For 3/4" Insulated Slats, Add	.....	7,205.70	
08 33 23 11-0109	EA	24' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	16,559.09	3,344.70
		For 3/4" Insulated Slats, Add	.....	8,238.41	
08 33 23 11-0110	EA	24' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	18,337.21	3,496.64
		For 3/4" Insulated Slats, Add	.....	9,382.07	
08 33 23 11-0111	EA	24' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	20,504.68	3,705.56
		For 3/4" Insulated Slats, Add	.....	10,746.52	
08 33 23 11-0112	EA	24' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	22,722.05	3,914.48
		For 3/4" Insulated Slats, Add	.....	12,148.39	
08 33 23 11-0113 18 Gauge Galvanized Steel Overhead Coiling Doors (08 33 23 11-0001)					
Note: With curtain hood (barrel cover).					
08 33 23 11-0114	EA	14' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	6,567.18	1,586.29
		For 3/4" Insulated Slats, Add	.....	2,942.62	
08 33 23 11-0115	EA	14' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	7,187.64	1,666.06
		For 3/4" Insulated Slats, Add	.....	3,308.26	
08 33 23 11-0116	EA	14' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	7,930.72	1,745.83
		For 3/4" Insulated Slats, Add	.....	3,765.85	
08 33 23 11-0117	EA	14' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	8,676.92	1,865.40
		For 3/4" Insulated Slats, Add	.....	4,175.93	
08 33 23 11-0118	EA	14' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	9,544.76	2,024.95
		For 3/4" Insulated Slats, Add	.....	4,627.38	
08 33 23 11-0119	EA	14' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	10,411.83	2,184.49
		For 3/4" Insulated Slats, Add	.....	5,078.26	
08 33 23 11-0120	EA	14' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	12,186.79	2,383.99
		For 3/4" Insulated Slats, Add	.....	6,160.20	
08 33 23 11-0121	EA	14' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	14,041.54	2,623.31
		For 3/4" Insulated Slats, Add	.....	7,252.12	
08 33 23 11-0122	EA	16' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	7,893.79	1,824.23
		For 3/4" Insulated Slats, Add	.....	3,640.15	
08 33 23 11-0123	EA	16' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	8,596.71	1,904.00
		For 3/4" Insulated Slats, Add	.....	4,067.63	
08 33 23 11-0124	EA	16' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	9,225.05	1,983.78
		For 3/4" Insulated Slats, Add	.....	4,439.17	
08 33 23 11-0125	EA	16' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	9,954.72	2,103.35
		For 3/4" Insulated Slats, Add	.....	4,836.85	
08 33 23 11-0126	EA	16' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	10,826.32	2,262.89
		For 3/4" Insulated Slats, Add	.....	5,291.12	
08 33 23 11-0127	EA	16' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	11,815.38	2,422.43
		For 3/4" Insulated Slats, Add	.....	5,833.49	
08 33 23 11-0128	EA	16' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	13,303.66	2,621.93
		For 3/4" Insulated Slats, Add	.....	6,700.43	
08 33 23 11-0129	EA	16' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	14,883.04	2,861.25
		For 3/4" Insulated Slats, Add	.....	7,585.82	
08 33 23 11-0130	EA	18' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	8,549.92	2,052.14
		For 3/4" Insulated Slats, Add	.....	3,847.16	
08 33 23 11-0131	EA	18' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	9,181.24	2,131.92
		For 3/4" Insulated Slats, Add	.....	4,220.94	
08 33 23 11-0132	EA	18' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	10,186.99	2,251.65
		For 3/4" Insulated Slats, Add	.....	4,825.68	
08 33 23 11-0133	EA	18' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	11,128.11	2,411.19
		For 3/4" Insulated Slats, Add	.....	5,332.10	
08 33 23 11-0134	EA	18' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	12,154.78	2,610.54
		For 3/4" Insulated Slats, Add	.....	5,852.82	

08 Openings**08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 33 23 11-0135	EA	18' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	13,261.97	2,849.84
		<i>For 3/4" Insulated Slats, Add</i>	6,384.07	
08 33 23 11-0136	EA	18' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	15,120.15	3,129.12
		<i>For 3/4" Insulated Slats, Add</i>	7,428.71	
08 33 23 11-0137	EA	18' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	17,092.44	3,448.20
		<i>For 3/4" Insulated Slats, Add</i>	8,509.08	
08 33 23 11-0138	EA	20' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	9,776.13	2,359.98
		<i>For 3/4" Insulated Slats, Add</i>	4,382.03	
08 33 23 11-0139	EA	20' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	10,961.55	2,439.75
		<i>For 3/4" Insulated Slats, Add</i>	5,171.38	
08 33 23 11-0140	EA	20' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	12,205.41	2,885.55
		<i>For 3/4" Insulated Slats, Add</i>	5,547.11	
08 33 23 11-0141	EA	20' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	13,442.65	3,005.29
		<i>For 3/4" Insulated Slats, Add</i>	6,325.48	
08 33 23 11-0142	EA	20' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	14,934.81	3,164.83
		<i>For 3/4" Insulated Slats, Add</i>	7,245.16	
08 33 23 11-0143	EA	20' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	16,593.22	3,324.37
		<i>For 3/4" Insulated Slats, Add</i>	8,289.55	
08 33 23 11-0144	EA	20' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	18,339.21	3,523.72
		<i>For 3/4" Insulated Slats, Add</i>	9,349.76	
08 33 23 11-0145	EA	20' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	20,192.47	3,763.03
		<i>For 3/4" Insulated Slats, Add</i>	10,440.57	
08 33 23 11-0146	EA	22' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	10,569.29	2,793.79
		<i>For 3/4" Insulated Slats, Add</i>	4,434.74	
08 33 23 11-0147	EA	22' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	11,867.48	2,913.51
		<i>For 3/4" Insulated Slats, Add</i>	5,258.81	
08 33 23 11-0148	EA	22' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	13,637.32	3,174.10
		<i>For 3/4" Insulated Slats, Add</i>	6,260.28	
08 33 23 11-0149	EA	22' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	15,237.36	3,293.83
		<i>For 3/4" Insulated Slats, Add</i>	7,310.74	
08 33 23 11-0150	EA	22' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	16,922.40	3,453.37
		<i>For 3/4" Insulated Slats, Add</i>	8,375.09	
08 33 23 11-0151	EA	22' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	18,773.08	3,612.91
		<i>For 3/4" Insulated Slats, Add</i>	9,563.67	
08 33 23 11-0152	EA	22' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	20,709.00	3,812.26
		<i>For 3/4" Insulated Slats, Add</i>	10,766.33	
08 33 23 11-0153	EA	22' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	22,713.64	4,051.57
		<i>For 3/4" Insulated Slats, Add</i>	11,970.67	
08 33 23 11-0154	EA	24' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	11,647.67	3,073.21
		<i>For 3/4" Insulated Slats, Add</i>	4,894.25	
08 33 23 11-0155	EA	24' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	12,531.05	3,152.98
		<i>For 3/4" Insulated Slats, Add</i>	5,457.07	
08 33 23 11-0156	EA	24' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	14,416.60	3,232.74
		<i>For 3/4" Insulated Slats, Add</i>	6,771.51	
08 33 23 11-0157	EA	24' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	16,197.41	3,352.32
		<i>For 3/4" Insulated Slats, Add</i>	7,957.55	
08 33 23 11-0158	EA	24' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	17,990.15	3,511.87
		<i>For 3/4" Insulated Slats, Add</i>	9,102.68	
08 33 23 11-0159	EA	24' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	19,947.28	3,671.41
		<i>For 3/4" Insulated Slats, Add</i>	10,371.10	
08 33 23 11-0160	EA	24' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	22,330.10	3,890.82
		<i>For 3/4" Insulated Slats, Add</i>	11,883.96	
08 33 23 11-0161	EA	24' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	24,768.24	4,110.22
		<i>For 3/4" Insulated Slats, Add</i>	13,438.41	

08 33 23 11-0162 Aluminum Overhead Coiling Doors (Width x Height) (08 33 23 11)

Note: Includes necessary anchors, track and hardware. Includes clear anodized aluminum finish. 20 psf wind load. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports and weatherseal. See CSI section 05 12 23 00-0422 for lightweight framing and angle iron.

08 33 23 11-0163 0.04" Aluminum Overhead Coiling Doors (08 33 23 11-0162)

08 33 23 11-0164	EA	4' x 8', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	2,906.10	864.93
08 33 23 11-0165	EA	4' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	3,117.59	913.00
08 33 23 11-0166	EA	4' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	3,623.85	950.99
08 33 23 11-0167	EA	6' x 8', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	3,542.84	1,009.10
08 33 23 11-0168	EA	6' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	3,877.71	1,105.21
08 33 23 11-0169	EA	6' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	4,096.39	1,143.19
08 33 23 11-0170	EA	6' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	4,357.87	1,181.17
08 33 23 11-0171	EA	6' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	4,660.42	1,238.16
08 33 23 11-0172	EA	8' x 8', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	3,862.98	1,081.17
08 33 23 11-0173	EA	8' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	4,200.28	1,153.25
08 33 23 11-0174	EA	8' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	4,492.57	1,201.31
08 33 23 11-0175	EA	8' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	4,754.26	1,239.29
08 33 23 11-0176	EA	8' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	5,054.93	1,296.28
08 33 23 11-0177	EA	10' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	4,603.75	1,249.36
08 33 23 11-0178	EA	10' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	4,891.59	1,297.41
08 33 23 11-0179	EA	10' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	5,279.94	1,373.39
08 33 23 11-0180	EA	10' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	5,745.57	1,487.35
08 33 23 11-0181	EA	10' x 18', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	6,455.98	1,639.28
08 33 23 11-0182	EA	10' x 20', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	7,242.25	1,829.22
08 33 23 11-0183	EA	10' x 22', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	8,100.63	2,057.13
08 33 23 11-0184	EA	10' x 24', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	9,036.09	2,323.04
08 33 23 11-0185	EA	12' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	4,886.78	1,297.41
08 33 23 11-0186	EA	12' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	5,433.33	1,339.20
08 33 23 11-0187	EA	12' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	5,946.09	1,415.17
08 33 23 11-0188	EA	12' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	6,536.99	1,529.13
08 33 23 11-0189	EA	12' x 18', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	7,332.58	1,681.07

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 11-0190	EA	12' x 20', 0.04" Aluminum Overhead Coiling Door, Chain Lift	8,206.01	1,871.00
08 33 23 11-0191	EA	12' x 22', 0.04" Aluminum Overhead Coiling Door, Chain Lift	8,883.78	2,098.92
08 33 23 11-0192	EA	12' x 24', 0.04" Aluminum Overhead Coiling Door, Chain Lift	9,715.99	2,402.80
08 33 23 11-0193 0.05" Aluminum Overhead Coiling Doors (08 33 23 11-0192)				
08 33 23 11-0194	EA	14' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	5,597.52	1,510.71
08 33 23 11-0195	EA	14' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	6,264.69	1,586.69
08 33 23 11-0196	EA	14' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	6,919.68	1,662.66
08 33 23 11-0197	EA	14' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	7,601.82	1,776.61
08 33 23 11-0198	EA	14' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	8,399.61	1,928.56
08 33 23 11-0199	EA	14' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	9,197.37	2,080.50
08 33 23 11-0200	EA	14' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	10,081.78	2,270.43
08 33 23 11-0201	EA	14' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	11,042.29	2,498.35
08 33 23 11-0202	EA	16' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	6,515.70	1,737.32
08 33 23 11-0203	EA	16' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	7,211.83	1,813.29
08 33 23 11-0204	EA	16' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	7,880.52	1,889.27
08 33 23 11-0205	EA	16' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	8,645.00	2,003.22
08 33 23 11-0206	EA	16' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	9,540.34	2,155.17
08 33 23 11-0207	EA	16' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	10,481.39	2,307.10
08 33 23 11-0208	EA	16' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	11,461.81	2,497.04
08 33 23 11-0209	EA	16' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	12,470.97	2,724.95
08 33 23 11-0210	EA	18' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	7,286.97	1,954.50
08 33 23 11-0211	EA	18' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	8,030.37	2,030.46
08 33 23 11-0212	EA	18' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	8,918.90	2,144.42
08 33 23 11-0213	EA	18' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	9,871.56	2,296.37
08 33 23 11-0214	EA	18' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	10,909.93	2,486.29
08 33 23 11-0215	EA	18' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	12,018.19	2,714.21
08 33 23 11-0216	EA	18' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	13,200.88	2,980.11
08 33 23 11-0217	EA	18' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	14,465.64	3,283.99
08 33 23 11-0218	EA	20' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	8,330.63	2,247.67
08 33 23 11-0219	EA	20' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	9,087.73	2,323.64
08 33 23 11-0220	EA	20' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	10,326.27	2,437.59
08 33 23 11-0221	EA	20' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	11,227.73	2,589.54
08 33 23 11-0222	EA	20' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	12,348.41	2,779.46
08 33 23 11-0223	EA	20' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	13,572.49	3,007.39
08 33 23 11-0224	EA	20' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	14,823.76	3,273.28
08 33 23 11-0225	EA	20' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	16,183.05	3,577.17
08 33 23 11-0226	EA	22' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	9,838.12	2,660.79
08 33 23 11-0227	EA	22' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	10,840.39	2,774.74
08 33 23 11-0228	EA	22' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	12,221.07	3,022.96
08 33 23 11-0229	EA	22' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	13,313.26	3,136.91
08 33 23 11-0230	EA	22' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	14,479.95	3,288.86
08 33 23 11-0231	EA	22' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	15,657.26	3,440.81
08 33 23 11-0232	EA	22' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	16,852.65	3,630.73
08 33 23 11-0233	EA	22' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	18,131.59	3,858.65
08 33 23 11-0234	EA	24' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	10,841.39	2,926.86
08 33 23 11-0235	EA	24' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	11,458.24	3,002.83
08 33 23 11-0236	EA	24' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	12,893.70	3,078.80
08 33 23 11-0237	EA	24' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	14,110.89	3,192.75
08 33 23 11-0238	EA	24' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	15,341.58	3,344.70
08 33 23 11-0239	EA	24' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	16,572.27	3,496.64
08 33 23 11-0240	EA	24' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	18,037.44	3,686.57
08 33 23 11-0241	EA	24' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	19,624.35	3,914.48
08 33 23 11-0242 Overhead Coiling Door Accessories (08 33 23 11)				
08 33 23 11-0243	LF	Bottom Of Door, Weather Strip Seal For Coiling Doors, Astragal Only	5.53	1.61
08 33 23 11-0244	LF	Top Of Door (Lintel), Weather Strip Seal For Coiling Doors	35.42	1.92
08 33 23 11-0245	LF	Side Of Door (Guides), Weather Strip Seal For Coiling Doors	33.78	1.92
08 33 23 11-0246	EA	Cylinder Lock For Coiling Doors	307.16	80.24
08 33 23 11-0247	LF	3" High Vision Lites, 5/8" Insulated Glazing With Wind Lock For Overhead Coiling Doors	22.02	
		Note: Additional cost for factory supplied.		
08 33 23 11-0248	LF	10" High Vision Lites, 1" Insulated Glazing With Wind Lock For Overhead Coiling Doors	88.05	
		Note: Additional cost for factory supplied.		
08 33 23 11-0249	EA	Up To 12' Height, 1/2 HP Motorized Jackshaft Operator For Coiling Doors And Grilles	1,918.00	256.78
		Note: Includes three button inside station controls and mounting hardware.		
08 33 23 11-0250	EA	Up To 12' Height, 3/4 HP Motorized Jackshaft Operator For Coiling Doors And Grilles	2,418.97	256.78
		Note: Includes three button inside station controls and mounting hardware.		
08 33 23 11-0251	EA	>12' To 18' Height, 1/2 HP Motorized Jackshaft Operator For Coiling Doors And Grilles	2,270.33	288.87
		Note: Includes three button inside station controls and mounting hardware.		
08 33 23 11-0252	EA	>12' To 18' Height, 3/4 HP Motorized Jackshaft Operator For Coiling Doors And Grilles	2,681.64	288.87
		Note: Includes three button inside station controls and mounting hardware.		
08 33 23 11-0253	EA	>18' To 24' Height, 3/4 HP Motorized Jackshaft Operator For Coiling Doors And Grilles	2,923.25	320.97
		Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
08 33 23 11-0254	EA	>18' To 24' Height, 1 HP Motorized Jackshaft Operator For Coiling Doors And Grilles	3,172.77	320.97
		Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
08 33 23 11-0255	LF	Safety Edge Bottom Bar Obstruction Detection Device, Electric For Coiling Doors And Grilles	81.64	
08 33 23 11-0256	EA	Remote Transmitter Kit For Coiling Door Operators	407.62	128.39
08 33 23 11-0257 Removal And Reinstallation Of Roll-Up Door And Support (08 33 23 11)				
		Note: Includes storage, cleaning and supply materials.		
08 33 23 11-0258	SF	Removal And Reinstallation Of Metal Roll-up Door And Supports	27.30	

08	08	Openings
	08 30	Specialty Doors and Frames
	08 33	Coiling Doors and Grilles

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 33 23 13 Overhead Rapid Coiling Doors (08 33 23)

Note: Includes panels, guides, counterbalance mechanisms, hardware, operators, frame, supports and/or trim as required. Excludes lifting equipment (forklift or scissor lift) where required. See CSI section 01 22 23 00-1077 for forklift.

08 33 23 13-0001			32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) (08 33 23 13)		
			Note: Door panel is 32 ounce vinyl. Side frames are fully bolted together, anodized aluminum construction with weather seal. Bottom bar releases in either direction when impacted, without damage to door. Manual drive system.		
08 33 23 13-0002			32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) (08 33 23 13-0001)		
08 33 23 13-0003			5' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) (08 33 23 13-0002)		
08 33 23 13-0004	EA		5' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	4,906.34	469.89
08 33 23 13-0005	EA		5' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	5,171.69	491.72
08 33 23 13-0006	EA		5' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	5,435.32	513.55
08 33 23 13-0007	EA		5' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	5,697.24	535.38
08 33 23 13-0008	EA		5' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	5,962.59	557.20
08 33 23 13-0009	EA		5' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,226.22	579.03
08 33 23 13-0010			6' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) (08 33 23 13-0002)		
08 33 23 13-0011	EA		6' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	5,171.69	491.72
08 33 23 13-0012	EA		6' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	5,435.32	513.55
08 33 23 13-0013	EA		6' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	5,697.24	535.38
08 33 23 13-0014	EA		6' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	5,962.59	557.20
08 33 23 13-0015	EA		6' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,226.22	579.03
08 33 23 13-0016	EA		6' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,489.86	600.85
08 33 23 13-0017			7' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) (08 33 23 13-0002)		
08 33 23 13-0018	EA		7' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	5,435.32	513.55
08 33 23 13-0019	EA		7' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	5,697.24	535.38
08 33 23 13-0020	EA		7' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	5,962.59	557.20
08 33 23 13-0021	EA		7' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,226.22	579.03
08 33 23 13-0022	EA		7' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,489.86	600.85
08 33 23 13-0023	EA		7' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,755.21	622.68
08 33 23 13-0024			8' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) (08 33 23 13-0002)		
08 33 23 13-0025	EA		8' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	5,697.24	535.38
08 33 23 13-0026	EA		8' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	5,962.59	557.20
08 33 23 13-0027	EA		8' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,226.22	579.03
08 33 23 13-0028	EA		8' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,489.86	600.85
08 33 23 13-0029	EA		8' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,755.21	622.68
08 33 23 13-0030	EA		8' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,017.12	644.50
08 33 23 13-0031			9' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) (08 33 23 13-0002)		
08 33 23 13-0032	EA		9' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	5,962.59	557.20
08 33 23 13-0033	EA		9' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,226.22	579.03
08 33 23 13-0034	EA		9' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,489.86	600.85
08 33 23 13-0035	EA		9' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,755.21	622.68
08 33 23 13-0036	EA		9' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,017.12	644.50
08 33 23 13-0037	EA		9' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,282.47	666.33
08 33 23 13-0038			10' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) (08 33 23 13-0002)		
08 33 23 13-0039	EA		10' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,226.22	579.03
08 33 23 13-0040	EA		10' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,489.86	600.85
08 33 23 13-0041	EA		10' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,755.21	622.68
08 33 23 13-0042	EA		10' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,017.12	644.50
08 33 23 13-0043	EA		10' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,282.47	666.33
08 33 23 13-0044	EA		10' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,546.11	688.16
08 33 23 13-0045			Rytec® Bantam® Door Options (08 33 23 13-0001)		
08 33 23 13-0046	SF		Upgrade To 2-Ply Rilon Panel Material For Rytec® Bantam® High-Speed Rolling Doors	10.74	
08 33 23 13-0047	SF		Upgrade To 3-Ply Rilon Panel Material For Rytec® Bantam® High-Speed Rolling Doors	23.63	
08 33 23 13-0048	LF		31" High Full Vision Panel For Rytec® Bantam® High-Speed Rolling Doors	34.37	
			Note: Multiply linear foot price x width of door.		
08 33 23 13-0049	EA		Two 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Bantam® High-Speed Rolling Doors	326.54	
08 33 23 13-0050	EA		Roll Cover For Rytec® Bantam® High-Speed Rolling Doors	643.97	64.19

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0051	EA	Motor Cover For Rytec® Bantam® High-Speed Rolling Doors	643.97	64.19
08 33 23 13-0052	EA	Motor Operator For Rytec® Bantam® High-Speed Rolling Doors	2,705.79	128.39
		Note: Includes open/close/stop pushbutton, pneumatic reversing edge and coil cord.		
08 33 23 13-0053	EA	Additional NEMA 4 Pushbutton Control For Rytec® Bantam® Motor Operator	351.81	64.19
		Note: Includes open/close/stop control.		
08 33 23 13-0054	EA	Auto Close Feature For Rytec® Bantam® Motor Operator	343.22	64.19
08 33 23 13-0055		2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 23 13-0055)		
		Note: Rytec® PredaDoor® PD5500. Door panel is 2-ply multi-filament Rilon. Includes full width vision panel. Side frames are fully bolted together, anodized aluminum construction with weather seal. Bottom bar releases in either direction when impacted, without damage to door. Drive system is a 3 phase, variable-speed AC Drive with brake and absolute encoder. Opens at 50" per second and closes at 21" per second.		
08 33 23 13-0056		2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 23 13-0056)		
08 33 23 13-0057		6' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 23 13-0057)		
08 33 23 13-0058	EA	6' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	14,845.97	513.55
08 33 23 13-0059	EA	6' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	15,090.12	535.38
08 33 23 13-0060	EA	6' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	15,370.87	557.20
08 33 23 13-0061	EA	6' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	15,759.84	579.03
08 33 23 13-0062	EA	6' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	16,156.77	600.85
08 33 23 13-0063	EA	6' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	16,821.02	622.68
08 33 23 13-0064	EA	6' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	17,294.33	644.50
08 33 23 13-0065		7' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 23 13-0065)		
08 33 23 13-0066	EA	7' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	15,142.63	535.38
08 33 23 13-0067	EA	7' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	15,452.03	557.20
08 33 23 13-0068	EA	7' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	15,839.40	579.03
08 33 23 13-0069	EA	7' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	16,249.06	600.85
08 33 23 13-0070	EA	7' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	16,787.61	622.68
08 33 23 13-0071	EA	7' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	17,435.95	644.50
08 33 23 13-0072	EA	7' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	17,949.04	666.33
08 33 23 13-0073		8' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 23 13-0073)		
08 33 23 13-0074	EA	8' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	15,502.95	557.20
08 33 23 13-0075	EA	8' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	15,888.73	579.03
08 33 23 13-0076	EA	8' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	16,314.31	600.85
08 33 23 13-0077	EA	8' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	16,868.76	622.68
08 33 23 13-0078	EA	8' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	17,369.12	644.50
08 33 23 13-0079	EA	8' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	18,074.75	666.33
08 33 23 13-0080	EA	8' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	18,654.67	688.16
08 33 23 13-0081		9' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 23 13-0081)		
08 33 23 13-0082	EA	9' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	15,941.25	579.03
08 33 23 13-0083	EA	9' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	16,363.64	600.85
08 33 23 13-0084	EA	9' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	16,918.09	622.68
08 33 23 13-0085	EA	9' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	17,434.36	644.50
08 33 23 13-0086	EA	9' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	17,976.09	666.33
08 33 23 13-0087	EA	9' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	18,538.50	688.16
08 33 23 13-0088	EA	9' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	19,155.02	709.98
08 33 23 13-0089		10' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 23 13-0089)		
08 33 23 13-0090	EA	10' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	16,405.01	600.85
08 33 23 13-0091	EA	10' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	16,970.61	622.68
08 33 23 13-0092	EA	10' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	17,482.10	644.50
08 33 23 13-0093	EA	10' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	18,028.60	666.33
08 33 23 13-0094	EA	10' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	18,633.98	688.16
08 33 23 13-0095	EA	10' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	18,760.38	709.98
08 33 23 13-0096	EA	10' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	19,785.86	731.81
08 33 23 13-0097		11' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 23 13-0097)		
08 33 23 13-0098	EA	11' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	17,000.84	622.68
08 33 23 13-0099	EA	11' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	17,525.06	644.50
08 33 23 13-0100	EA	11' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	18,077.93	666.33
08 33 23 13-0101	EA	11' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	18,684.90	688.16
08 33 23 13-0102	EA	11' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	19,085.00	709.98
08 33 23 13-0103	EA	11' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	19,871.79	731.81
08 33 23 13-0104	EA	11' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	20,516.96	753.63

08 Openings**08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 33 23 13-0105	12' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 23 13-0056)		
08 33 23 13-0106	EA 12' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	17,539.39	644.50
08 33 23 13-0107	EA 12' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	18,106.57	666.33
08 33 23 13-0108	EA 12' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	18,724.68	688.16
08 33 23 13-0109	EA 12' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	19,139.11	709.98
08 33 23 13-0110	EA 12' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	19,682.43	731.81
08 33 23 13-0111	EA 12' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	20,590.16	753.63
08 33 23 13-0112	EA 12' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	21,222.60	775.46
08 33 23 13-0113	Rytec® PredaDoor® Door Options (08 33 23 13-0055)		
08 33 23 13-0114	EA Up To 10' Wide Doors, Roll And Motor Hood For Rytec® PredaDoor® High-Speed Rolling Doors.....	773.95	128.39
08 33 23 13-0115	EA >10' To 15' Wide Doors, Roll And Motor Hood For Rytec® PredaDoor® High-Speed Rolling Doors.....	1,116.08	128.39
08 33 23 13-0116	SF Upgrade To 3-Ply Rilon Panel Material For Rytec® PredaDoor® High-Speed Rolling Doors.....	12.89	
08 33 23 13-0117	3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0117)		
Note: Rytec® Fast-Seal® FS1000. Door panel is heavy-duty 3-ply multi-filament Rilon. Independent opening and closing speeds up to 50" per second. Side frames are fully bolted together, reinforced with front and rear wind bar guides and full height vinyl weather seal on either side of the door panel. Counterbalance system consists of guided counterweights custom-sized to provide to provide proper balancing of each door system. The independent tension system maintains constant panel tensioning. The drive system is a 3 phase, variable speed AC drive motor with brake and absolute encoder. Bottom bar breaks away in either direction without damage to the bar, safety astragal, or side covers.			
08 33 23 13-0118	3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0117)		
08 33 23 13-0119	8' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)		
08 33 23 13-0120	EA 8' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	22,612.80	1,155.49
	For NEMA 4X Control Box, Add.....	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add.....	1,100.00	
	For AC Variable Speed Motor And Controls, Add.....	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add.....	2,200.00	
	For 316 Stainless Steel Side Frame Tower, Add.....	3,300.00	
08 33 23 13-0121	EA 8' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	23,634.65	1,188.23
	For NEMA 4X Control Box, Add.....	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add.....	1,100.00	
	For AC Variable Speed Motor And Controls, Add.....	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add.....	2,200.00	
	For 316 Stainless Steel Side Frame Tower, Add.....	3,300.00	
08 33 23 13-0122	EA 8' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	24,526.01	1,220.96
	For NEMA 4X Control Box, Add.....	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add.....	1,100.00	
	For AC Variable Speed Motor And Controls, Add.....	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add.....	2,200.00	
	For 316 Stainless Steel Side Frame Tower, Add.....	3,300.00	
08 33 23 13-0123	EA 8' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	25,484.22	1,253.70
	For NEMA 4X Control Box, Add.....	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add.....	1,100.00	
	For AC Variable Speed Motor And Controls, Add.....	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add.....	2,200.00	
	For 316 Stainless Steel Side Frame Tower, Add.....	3,300.00	
08 33 23 13-0124	EA 8' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	26,569.72	1,286.44
	For NEMA 4X Control Box, Add.....	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add.....	1,100.00	
	For AC Variable Speed Motor And Controls, Add.....	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add.....	2,200.00	
	For 316 Stainless Steel Side Frame Tower, Add.....	3,300.00	
08 33 23 13-0125	EA 8' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	27,142.82	1,319.18
	For NEMA 4X Control Box, Add.....	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add.....	1,100.00	
	For AC Variable Speed Motor And Controls, Add.....	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add.....	2,200.00	
	For 316 Stainless Steel Side Frame Tower, Add.....	3,300.00	
08 33 23 13-0126	EA 8' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	28,034.19	1,351.92
	For NEMA 4X Control Box, Add.....	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add.....	1,100.00	
	For AC Variable Speed Motor And Controls, Add.....	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add.....	2,200.00	
	For 316 Stainless Steel Side Frame Tower, Add.....	3,300.00	
08 33 23 13-0127	EA 8' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	28,829.92	1,387.07
	For NEMA 4X Control Box, Add.....	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add.....	1,100.00	
	For AC Variable Speed Motor And Controls, Add.....	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add.....	2,200.00	
	For 316 Stainless Steel Side Frame Tower, Add.....	3,300.00	
08 33 23 13-0128	EA 8' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	30,093.04	1,423.13
	For NEMA 4X Control Box, Add.....	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add.....	1,100.00	
	For AC Variable Speed Motor And Controls, Add.....	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add.....	2,200.00	
	For 316 Stainless Steel Side Frame Tower, Add.....	3,300.00	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0129	EA	8' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	31,115.72 675.00 1,100.00 2,750.00 2,200.00 3,300.00	1,460.13
08 33 23 13-0130	EA	8' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	32,380.92 675.00 1,100.00 2,750.00 2,200.00 3,300.00	1,498.10
08 33 23 13-0131 9' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)				
08 33 23 13-0132	EA	9' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	23,634.65 675.00 1,100.00 2,750.00 2,750.00 4,125.00	1,188.23
08 33 23 13-0133	EA	9' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	24,526.01 675.00 1,100.00 2,750.00 2,750.00 4,125.00	1,220.96
08 33 23 13-0134	EA	9' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	25,484.22 675.00 1,100.00 2,750.00 2,750.00 4,125.00	1,253.70
08 33 23 13-0135	EA	9' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	26,569.72 675.00 1,100.00 2,750.00 2,750.00 4,125.00	1,286.44
08 33 23 13-0136	EA	9' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	27,142.82 675.00 1,100.00 2,750.00 2,750.00 4,125.00	1,319.18
08 33 23 13-0137	EA	9' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	28,034.19 675.00 1,100.00 2,750.00 2,750.00 4,125.00	1,351.92
08 33 23 13-0138	EA	9' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	29,181.74 675.00 1,100.00 2,750.00 2,750.00 4,125.00	1,384.66
08 33 23 13-0139	EA	9' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	30,093.04 675.00 1,100.00 2,750.00 2,750.00 4,125.00	1,423.13
08 33 23 13-0140	EA	9' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	31,115.72 675.00 1,100.00 2,750.00 2,750.00 4,125.00	1,460.13
08 33 23 13-0141	EA	9' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	32,380.92 675.00 1,100.00 2,750.00 2,750.00 4,125.00	1,498.10
08 33 23 13-0142	EA	9' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	33,886.99 675.00 1,100.00 2,750.00 2,750.00 4,125.00	1,537.04

08 33 23 13-0143 10' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)

08 Openings**08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 33 23 13-0144	EA	10' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	24,526.01	1,220.96
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	3,300.00	
		For 316 Stainless Steel Side Frame Tower, Add	4,950.00	
08 33 23 13-0145	EA	10' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	25,484.22	1,253.70
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	3,300.00	
		For 316 Stainless Steel Side Frame Tower, Add	4,950.00	
08 33 23 13-0146	EA	10' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	26,569.72	1,286.44
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	3,300.00	
		For 316 Stainless Steel Side Frame Tower, Add	4,950.00	
08 33 23 13-0147	EA	10' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	27,142.82	1,319.18
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	3,300.00	
		For 316 Stainless Steel Side Frame Tower, Add	4,950.00	
08 33 23 13-0148	EA	10' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	28,034.19	1,351.92
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	3,300.00	
		For 316 Stainless Steel Side Frame Tower, Add	4,950.00	
08 33 23 13-0149	EA	10' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	29,181.74	1,384.66
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	3,300.00	
		For 316 Stainless Steel Side Frame Tower, Add	4,950.00	
08 33 23 13-0150	EA	10' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	30,265.66	1,417.40
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	3,300.00	
		For 316 Stainless Steel Side Frame Tower, Add	4,950.00	
08 33 23 13-0151	EA	10' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	31,114.30	1,459.42
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	3,300.00	
		For 316 Stainless Steel Side Frame Tower, Add	4,950.00	
08 33 23 13-0152	EA	10' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	32,379.46	1,497.37
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	3,300.00	
		For 316 Stainless Steel Side Frame Tower, Add	4,950.00	
08 33 23 13-0153	EA	10' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	33,885.49	1,536.30
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	3,300.00	
		For 316 Stainless Steel Side Frame Tower, Add	4,950.00	
08 33 23 13-0154	EA	10' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	35,156.37	1,576.24
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	3,300.00	
		For 316 Stainless Steel Side Frame Tower, Add	4,950.00	

08 33 23 13-0155 11' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)

(08 33 23 13-0118)

08 33 23 13-0156	EA	11' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	25,484.22	1,253.70
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	3,850.00	
		For 316 Stainless Steel Side Frame Tower, Add	5,775.00	
08 33 23 13-0157	EA	11' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	26,569.72	1,286.44
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	3,850.00	
		For 316 Stainless Steel Side Frame Tower, Add	5,775.00	
08 33 23 13-0158	EA	11' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	27,142.82	1,319.18
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	3,850.00	
		For 316 Stainless Steel Side Frame Tower, Add	5,775.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0159	EA	11' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	28,034.19	1,351.92
		For NEMA 4X Control Box, Add	.....	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	.....	1,100.00	
		For AC Variable Speed Motor And Controls, Add	.....	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	.....	3,850.00	
		For 316 Stainless Steel Side Frame Tower, Add	.....	5,775.00	
08 33 23 13-0160	EA	11' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	29,181.74	1,384.66
		For NEMA 4X Control Box, Add	.....	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	.....	1,100.00	
		For AC Variable Speed Motor And Controls, Add	.....	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	.....	3,850.00	
		For 316 Stainless Steel Side Frame Tower, Add	.....	5,775.00	
08 33 23 13-0161	EA	11' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	30,265.66	1,417.40
		For NEMA 4X Control Box, Add	.....	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	.....	1,100.00	
		For AC Variable Speed Motor And Controls, Add	.....	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	.....	3,850.00	
		For 316 Stainless Steel Side Frame Tower, Add	.....	5,775.00	
08 33 23 13-0162	EA	11' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	31,476.87	1,450.13
		For NEMA 4X Control Box, Add	.....	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	.....	1,100.00	
		For AC Variable Speed Motor And Controls, Add	.....	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	.....	3,850.00	
		For 316 Stainless Steel Side Frame Tower, Add	.....	5,775.00	
08 33 23 13-0163	EA	11' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	32,375.96	1,495.62
		For NEMA 4X Control Box, Add	.....	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	.....	1,100.00	
		For AC Variable Speed Motor And Controls, Add	.....	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	.....	3,850.00	
		For 316 Stainless Steel Side Frame Tower, Add	.....	5,775.00	
08 33 23 13-0164	EA	11' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	33,881.90	1,534.50
		For NEMA 4X Control Box, Add	.....	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	.....	1,100.00	
		For AC Variable Speed Motor And Controls, Add	.....	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	.....	3,850.00	
		For 316 Stainless Steel Side Frame Tower, Add	.....	5,775.00	
08 33 23 13-0165	EA	11' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	35,152.68	1,574.40
		For NEMA 4X Control Box, Add	.....	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	.....	1,100.00	
		For AC Variable Speed Motor And Controls, Add	.....	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	.....	3,850.00	
		For 316 Stainless Steel Side Frame Tower, Add	.....	5,775.00	
08 33 23 13-0166	EA	11' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	36,661.00	1,615.33
		For NEMA 4X Control Box, Add	.....	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	.....	1,100.00	
		For AC Variable Speed Motor And Controls, Add	.....	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	.....	3,850.00	
		For 316 Stainless Steel Side Frame Tower, Add	.....	5,775.00	
08 33 23 13-0167 12' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)					
		(08 33 23 13-0118)			
08 33 23 13-0168	EA	12' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	26,569.72	1,286.44
		For NEMA 4X Control Box, Add	.....	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	.....	1,100.00	
		For AC Variable Speed Motor And Controls, Add	.....	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	.....	4,400.00	
		For 316 Stainless Steel Side Frame Tower, Add	.....	6,600.00	
08 33 23 13-0169	EA	12' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	27,142.82	1,319.18
		For NEMA 4X Control Box, Add	.....	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	.....	1,100.00	
		For AC Variable Speed Motor And Controls, Add	.....	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	.....	4,400.00	
		For 316 Stainless Steel Side Frame Tower, Add	.....	6,600.00	
08 33 23 13-0170	EA	12' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	28,034.19	1,351.92
		For NEMA 4X Control Box, Add	.....	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	.....	1,100.00	
		For AC Variable Speed Motor And Controls, Add	.....	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	.....	4,400.00	
		For 316 Stainless Steel Side Frame Tower, Add	.....	6,600.00	
08 33 23 13-0171	EA	12' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	29,181.74	1,384.66
		For NEMA 4X Control Box, Add	.....	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	.....	1,100.00	
		For AC Variable Speed Motor And Controls, Add	.....	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	.....	4,400.00	
		For 316 Stainless Steel Side Frame Tower, Add	.....	6,600.00	
08 33 23 13-0172	EA	12' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	30,265.66	1,417.40
		For NEMA 4X Control Box, Add	.....	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	.....	1,100.00	
		For AC Variable Speed Motor And Controls, Add	.....	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	.....	4,400.00	
		For 316 Stainless Steel Side Frame Tower, Add	.....	6,600.00	
08 33 23 13-0173	EA	12' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	31,476.87	1,450.13
		For NEMA 4X Control Box, Add	.....	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	.....	1,100.00	
		For AC Variable Speed Motor And Controls, Add	.....	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	.....	4,400.00	
		For 316 Stainless Steel Side Frame Tower, Add	.....	6,600.00	

08 Openings**08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 33 23 13-0174	EA	12' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	32,349.14	1,482.87
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	4,400.00	
		For 316 Stainless Steel Side Frame Tower, Add	6,600.00	
08 33 23 13-0175	EA	12' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	33,876.51	1,531.81
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	4,400.00	
		For 316 Stainless Steel Side Frame Tower, Add	6,600.00	
08 33 23 13-0176	EA	12' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	35,147.15	1,571.64
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	4,400.00	
		For 316 Stainless Steel Side Frame Tower, Add	6,600.00	
08 33 23 13-0177	EA	12' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	36,655.33	1,612.50
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	4,400.00	
		For 316 Stainless Steel Side Frame Tower, Add	6,600.00	
08 33 23 13-0178	EA	12' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	38,165.61	1,654.43
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	4,400.00	
		For 316 Stainless Steel Side Frame Tower, Add	6,600.00	

08 33 23 13-0179 13' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)

08 33 23 13-0180	EA	13' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	27,798.44	1,319.18
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	4,950.00	
		For 316 Stainless Steel Side Frame Tower, Add	6,975.00	
08 33 23 13-0181	EA	13' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	28,936.45	1,351.92
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	4,950.00	
		For 316 Stainless Steel Side Frame Tower, Add	6,975.00	
08 33 23 13-0182	EA	13' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	30,015.58	1,384.66
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	4,950.00	
		For 316 Stainless Steel Side Frame Tower, Add	6,975.00	
08 33 23 13-0183	EA	13' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	31,268.18	1,417.40
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	4,950.00	
		For 316 Stainless Steel Side Frame Tower, Add	6,975.00	
08 33 23 13-0184	EA	13' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	32,515.99	1,450.13
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	4,950.00	
		For 316 Stainless Steel Side Frame Tower, Add	6,975.00	
08 33 23 13-0185	EA	13' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	33,443.96	1,482.87
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	4,950.00	
		For 316 Stainless Steel Side Frame Tower, Add	6,975.00	
08 33 23 13-0186	EA	13' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	34,150.72	1,515.62
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	4,950.00	
		For 316 Stainless Steel Side Frame Tower, Add	6,975.00	
08 33 23 13-0187	EA	13' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	35,238.07	1,568.11
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	4,950.00	
		For 316 Stainless Steel Side Frame Tower, Add	6,975.00	
08 33 23 13-0188	EA	13' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	36,747.78	1,608.88
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	4,950.00	
		For 316 Stainless Steel Side Frame Tower, Add	6,975.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0189	EA	13' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	38,264.75	1,650.72	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
		For 304 Stainless Steel Side Frame Tower, Add	4,950.00		
		For 316 Stainless Steel Side Frame Tower, Add	6,975.00		
08 33 23 13-0190	EA	13' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	39,601.73	1,693.63	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
		For 304 Stainless Steel Side Frame Tower, Add	4,950.00		
		For 316 Stainless Steel Side Frame Tower, Add	6,975.00		
08 33 23 13-0191 14' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)					
08 33 23 13-0192	EA	14' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	28,936.45	1,351.92	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
		For 304 Stainless Steel Side Frame Tower, Add	5,480.00		
		For 316 Stainless Steel Side Frame Tower, Add	7,370.00		
08 33 23 13-0193	EA	14' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	30,015.58	1,384.66	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
		For 304 Stainless Steel Side Frame Tower, Add	5,480.00		
		For 316 Stainless Steel Side Frame Tower, Add	7,370.00		
08 33 23 13-0194	EA	14' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	31,268.18	1,417.40	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
		For 304 Stainless Steel Side Frame Tower, Add	5,480.00		
		For 316 Stainless Steel Side Frame Tower, Add	7,370.00		
08 33 23 13-0195	EA	14' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	32,515.99	1,450.13	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
		For 304 Stainless Steel Side Frame Tower, Add	5,480.00		
		For 316 Stainless Steel Side Frame Tower, Add	7,370.00		
08 33 23 13-0196	EA	14' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	33,443.96	1,482.87	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
		For 304 Stainless Steel Side Frame Tower, Add	5,480.00		
		For 316 Stainless Steel Side Frame Tower, Add	7,370.00		
08 33 23 13-0197	EA	14' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	34,150.72	1,515.62	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
		For 304 Stainless Steel Side Frame Tower, Add	5,480.00		
		For 316 Stainless Steel Side Frame Tower, Add	7,370.00		
08 33 23 13-0198	EA	14' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	35,198.04	1,548.35	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
		For 304 Stainless Steel Side Frame Tower, Add	5,480.00		
		For 316 Stainless Steel Side Frame Tower, Add	7,370.00		
08 33 23 13-0199	EA	14' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	36,738.69	1,604.34	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
		For 304 Stainless Steel Side Frame Tower, Add	5,480.00		
		For 316 Stainless Steel Side Frame Tower, Add	7,370.00		
08 33 23 13-0200	EA	14' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	38,255.42	1,646.05	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
		For 304 Stainless Steel Side Frame Tower, Add	5,480.00		
		For 316 Stainless Steel Side Frame Tower, Add	7,370.00		
08 33 23 13-0201	EA	14' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	39,592.17	1,688.84	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
		For 304 Stainless Steel Side Frame Tower, Add	5,480.00		
		For 316 Stainless Steel Side Frame Tower, Add	7,370.00		
08 33 23 13-0202	EA	14' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	42,493.34	1,732.76	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
		For 304 Stainless Steel Side Frame Tower, Add	5,480.00		
		For 316 Stainless Steel Side Frame Tower, Add	7,370.00		
08 33 23 13-0203 15' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)					
08 33 23 13-0204	EA	15' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	29,950.62	1,351.92	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		

08 Openings**08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
08 33 23 13-0205	EA	15' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	31,203.65	1,384.66	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
08 33 23 13-0206	EA	15' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	32,451.54	1,417.40	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
08 33 23 13-0207	EA	15' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	33,379.75	1,450.13	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
08 33 23 13-0208	EA	15' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	34,086.27	1,482.87	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
08 33 23 13-0209	EA	15' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	35,133.06	1,515.62	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
08 33 23 13-0210	EA	15' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	36,697.94	1,583.97	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
08 33 23 13-0211	EA	15' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	38,245.80	1,641.24	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
08 33 23 13-0212	EA	15' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	39,582.29	1,683.91	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
08 33 23 13-0213	EA	15' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	42,483.21	1,727.69	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
08 33 23 13-0214	EA	15' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	44,527.10	1,772.62	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
08 33 23 13-0215 16' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)					
08 33 23 13-0216	EA	16' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	31,263.99	1,414.82	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
		For 304 Stainless Steel Side Frame Tower, Add	6,070.00		
		For 316 Stainless Steel Side Frame Tower, Add	7,790.00		
08 33 23 13-0217	EA	16' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	32,514.91	1,449.09	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
		For 304 Stainless Steel Side Frame Tower, Add	6,070.00		
		For 316 Stainless Steel Side Frame Tower, Add	7,790.00		
08 33 23 13-0218	EA	16' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	33,446.18	1,483.34	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
		For 304 Stainless Steel Side Frame Tower, Add	6,070.00		
		For 316 Stainless Steel Side Frame Tower, Add	7,790.00		
08 33 23 13-0219	EA	16' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	34,155.74	1,517.61	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
		For 304 Stainless Steel Side Frame Tower, Add	6,070.00		
		For 316 Stainless Steel Side Frame Tower, Add	7,790.00		
08 33 23 13-0220	EA	16' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	35,205.58	1,551.87	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
		For 304 Stainless Steel Side Frame Tower, Add	6,070.00		
		For 316 Stainless Steel Side Frame Tower, Add	7,790.00		
08 33 23 13-0221	EA	16' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	36,702.28	1,586.13	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
		For 304 Stainless Steel Side Frame Tower, Add	6,070.00		
		For 316 Stainless Steel Side Frame Tower, Add	7,790.00		
08 33 23 13-0222	EA	16' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	38,204.11	1,620.39	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
		For 304 Stainless Steel Side Frame Tower, Add	6,070.00		
		For 316 Stainless Steel Side Frame Tower, Add	7,790.00		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0223	EA	16' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	39,572.44 675.00 1,100.00 2,750.00 6,070.00 7,790.00	1,678.98
08 33 23 13-0224	EA	16' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	42,473.11 675.00 1,100.00 2,750.00 6,070.00 7,790.00	1,722.64
08 33 23 13-0225	EA	16' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	44,516.74 675.00 1,100.00 2,750.00 6,070.00 7,790.00	1,767.42
08 33 23 13-0226	EA	16' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	46,573.01 675.00 1,100.00 2,750.00 6,070.00 7,790.00	1,813.38
08 33 23 13-0227 17' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)				
08 33 23 13-0228	EA	17' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	32,398.03 675.00 1,100.00 2,750.00	1,447.37
08 33 23 13-0229	EA	17' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	33,444.30 675.00 1,100.00 2,750.00	1,482.42
08 33 23 13-0230	EA	17' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	34,708.83 675.00 1,100.00 2,750.00	1,517.47
08 33 23 13-0231	EA	17' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	36,097.10 675.00 1,100.00 2,750.00	1,552.52
08 33 23 13-0232	EA	17' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	37,371.95 675.00 1,100.00 2,750.00	1,587.57
08 33 23 13-0233	EA	17' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	39,263.77 675.00 1,100.00 2,750.00	1,622.62
08 33 23 13-0234	EA	17' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	41,086.85 675.00 1,100.00 2,750.00	1,657.67
08 33 23 13-0235	EA	17' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	42,463.03 675.00 1,100.00 2,750.00	1,717.61
08 33 23 13-0236	EA	17' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	44,506.40 675.00 1,100.00 2,750.00	1,762.26
08 33 23 13-0237	EA	17' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	46,562.41 675.00 1,100.00 2,750.00	1,808.08
08 33 23 13-0238	EA	17' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	48,557.21 675.00 1,100.00 2,750.00	1,855.09
08 33 23 13-0239 18' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)				
08 33 23 13-0240	EA	18' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	33,774.19 675.00 1,100.00 2,750.00 6,720.00 8,230.00	1,480.66
08 33 23 13-0241	EA	18' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	35,153.76 675.00 1,100.00 2,750.00 6,720.00 8,230.00	1,516.51

08 Openings**08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
08 33 23 13-0242	EA 18' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	36,655.36 675.00 1,100.00 2,750.00 6,720.00 8,230.00		1,552.37	
08 33 23 13-0243	EA 18' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	38,151.79 675.00 1,100.00 2,750.00 6,720.00 8,230.00		1,588.22	
08 33 23 13-0244	EA 18' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	39,711.82 675.00 1,100.00 2,750.00 6,720.00 8,230.00		1,624.08	
08 33 23 13-0245	EA 18' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	41,924.92 675.00 1,100.00 2,750.00 6,720.00 8,230.00		1,659.93	
08 33 23 13-0246	EA 18' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	44,199.88 675.00 1,100.00 2,750.00 6,720.00 8,230.00		1,695.80	
08 33 23 13-0247	EA 18' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	45,329.62 675.00 1,100.00 2,750.00 6,720.00 8,230.00		1,757.10	
08 33 23 13-0248	EA 18' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	46,551.83 675.00 1,100.00 2,750.00 6,720.00 8,230.00		1,802.80	
08 33 23 13-0249	EA 18' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	48,489.64 675.00 1,100.00 2,750.00 6,720.00 8,230.00		1,849.67	
08 33 23 13-0250	EA 18' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	50,490.04 675.00 1,100.00 2,750.00 6,720.00 8,230.00		1,897.75	
08 33 23 13-0251 19' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)					
08 33 23 13-0252	EA 19' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	35,150.16 675.00 1,100.00 2,750.00		1,514.71	
08 33 23 13-0253	EA 19' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	36,653.41 675.00 1,100.00 2,750.00		1,551.39	
08 33 23 13-0254	EA 19' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	38,151.49 675.00 1,100.00 2,750.00		1,588.07	
08 33 23 13-0255	EA 19' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	39,713.17 675.00 1,100.00 2,750.00		1,624.75	
08 33 23 13-0256	EA 19' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	41,927.91 675.00 1,100.00 2,750.00		1,661.43	
08 33 23 13-0257	EA 19' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	44,204.53 675.00 1,100.00 2,750.00		1,698.11	
08 33 23 13-0258	EA 19' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	45,285.00 675.00 1,100.00 2,750.00		1,734.79	
08 33 23 13-0259	EA 19' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	46,541.29 675.00 1,100.00 2,750.00		1,797.52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0260	EA	19' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	48,478.82	1,844.25	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
08 33 23 13-0261	EA	19' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	50,478.94	1,892.21	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
08 33 23 13-0262	EA	19' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	52,481.55	1,941.41	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
08 33 23 13-0263 20' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)					
08 33 23 13-0264	EA	20' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	36,649.72	1,549.55	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
08 33 23 13-0265	EA	20' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	38,149.49	1,587.07	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
08 33 23 13-0266	EA	20' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	39,712.86	1,624.60	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
08 33 23 13-0267	EA	20' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	41,929.29	1,662.12	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
08 33 23 13-0268	EA	20' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	44,207.59	1,699.65	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
08 33 23 13-0269	EA	20' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	45,289.75	1,737.17	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
08 33 23 13-0270	EA	20' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	46,495.64	1,774.70	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
08 33 23 13-0271	EA	20' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	48,468.03	1,838.86	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
08 33 23 13-0272	EA	20' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	50,467.88	1,886.68	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
08 33 23 13-0273	EA	20' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	52,470.19	1,935.73	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
08 33 23 13-0274	EA	20' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	54,234.48	1,986.05	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
08 33 23 13-0275 21' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)					
08 33 23 13-0276	EA	21' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	45,770.06	1,661.96	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
08 33 23 13-0277	EA	21' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	47,988.21	1,700.35	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
08 33 23 13-0278	EA	21' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	50,266.52	1,738.73	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
08 33 23 13-0279	EA	21' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	51,353.83	1,777.12	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
08 33 23 13-0280	EA	21' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	52,559.74	1,815.51	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
08 33 23 13-0281	EA	21' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	54,535.09	1,881.16	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		

08 Openings**08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
08 33 23 13-0282	EA	21' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	56,537.14	1,930.07	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
08 33 23 13-0283	EA	21' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	58,541.71	1,980.25	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
08 33 23 13-0284	EA	21' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	60,308.29	2,031.74	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
08 33 23 13-0285 22' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)					
08 33 23 13-0286	EA	22' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	47,510.12	1,700.18	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
08 33 23 13-0287	EA	22' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	49,731.76	1,739.46	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
08 33 23 13-0288	EA	22' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	52,010.11	1,778.73	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
08 33 23 13-0289	EA	22' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	53,097.48	1,818.00	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
08 33 23 13-0290	EA	22' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	54,308.58	1,857.27	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
08 33 23 13-0291	EA	22' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	56,286.96	1,924.42	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
08 33 23 13-0292	EA	22' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	58,291.25	1,974.46	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
08 33 23 13-0293	EA	22' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	60,296.41	2,025.79	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
08 33 23 13-0294	EA	22' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	62,067.08	2,078.47	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
08 33 23 13-0295 23' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)					
08 33 23 13-0296	EA	23' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	49,253.66	1,739.29	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
08 33 23 13-0297	EA	23' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	51,475.39	1,779.47	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
08 33 23 13-0298	EA	23' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	53,757.26	1,819.64	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
08 33 23 13-0299	EA	23' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	54,846.43	1,859.81	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
08 33 23 13-0300	EA	23' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	56,057.64	1,899.99	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
08 33 23 13-0301	EA	23' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	58,040.81	1,968.69	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
08 33 23 13-0302	EA	23' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	60,045.68	2,019.88	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
08 33 23 13-0303	EA	23' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	62,054.93	2,072.39	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0304	EA		23' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	63,828.02 675.00 1,100.00 2,750.00	2,126.27
08 33 23 13-0305 24' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)					
08 33 23 13-0306	EA		24' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	50,997.28 675.00 1,100.00 2,750.00	1,779.30
08 33 23 13-0307	EA		24' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	53,220.85 675.00 1,100.00 2,750.00	1,820.39
08 33 23 13-0308	EA		24' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	55,506.29 675.00 1,100.00 2,750.00	1,861.49
08 33 23 13-0309	EA		24' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	56,597.32 675.00 1,100.00 2,750.00	1,902.58
08 33 23 13-0310	EA		24' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	57,808.64 675.00 1,100.00 2,750.00	1,943.69
08 33 23 13-0311	EA		24' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	59,793.26 675.00 1,100.00 2,750.00	2,013.96
08 33 23 13-0312	EA		24' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	61,802.21 675.00 1,100.00 2,750.00	2,066.32
08 33 23 13-0313	EA		24' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	63,815.58 675.00 1,100.00 2,750.00	2,120.06
08 33 23 13-0314	EA		24' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	65,587.72 675.00 1,100.00 2,750.00	2,175.18
08 33 23 13-0315 Rytec® Fast-Seal® Door Options (08 33 23 13-0117)					
08 33 23 13-0316	LF		Strapped Windbar For Rytec® Fast-Seal® High-Speed Rolling Doors Note: Multiply linear foot price x width of door.	47.74	
08 33 23 13-0317	EA		Up To 10' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors	517.17	
08 33 23 13-0318	EA		>10' To 15' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors.....	859.30	
08 33 23 13-0319	EA		>15' To 20' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors.....	1,263.68	
08 33 23 13-0320	EA		>20' To 24' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors.....	1,890.47	
08 33 23 13-0321	EA		One 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Window With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	302.35	
08 33 23 13-0322	EA		Two 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	596.74	
			Note: Door must be at least 90" wide.		
08 33 23 13-0323	EA		Three 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	755.87	
			Note: Door must be at least 102" wide.		
08 33 23 13-0324	EA		Four 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	1,193.48	
			Note: Door must be at least 136" wide.		
08 33 23 13-0325	EA		One 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Window With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	350.09	
08 33 23 13-0326	EA		Two 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	692.22	
			Note: Door must be at least 108" wide.		
08 33 23 13-0327	EA		Three 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	859.30	
			Note: Door must be at least 144" wide.		
08 33 23 13-0328	EA		Four 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	1,384.43	
			Note: Door must be at least 192" wide.		
08 33 23 13-0329	EA		Sloped Roll And Motor Cover For Interior Or Exterior Door Widths Of 8' Or 10' For 304 Stainless Steel, Add For 316 Stainless Steel, Add	774.92 123.99 542.44	
08 33 23 13-0330	EA		Sloped Roll And Motor Cover For Interior Or Exterior Door Widths Of 12' Or 14' For 304 Stainless Steel, Add For 316 Stainless Steel, Add	1,007.40 161.18 705.18	
08 33 23 13-0331	EA		Sloped Roll And Motor Cover For Interior Or Exterior Door Widths Of 16' Or 18' For 304 Stainless Steel, Add For 316 Stainless Steel, Add	1,317.37 210.78 922.16	
08 33 23 13-0332	EA		Through Wall Brake Release.....	177.85	
08 33 23 13-0333	EA		Explosion Proof Upgrade Package: Control Box (including internal components), Motor, Rotary Limit Switch, Photo-eyes, Safety Bar, Push Buttons For NEMA 12 Control Box Mounted Outside Explosion Proof Area, Deduct	22,240.35 -6,200.00	

08 Openings**08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 33 23 13-0334	High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) (08 33 23 13)			
	Note: Rytec® Powerhouse™. Door panel is styrene butadiene rubber (SBR) panel 1/4" thick, made of two 1/8" thick layers, 60 durometer; sandwiched with 1-ply, 110 lb. polyester cord center. Panel includes bonded SBR beveled segmented windlocks to allow the door panel to effectively release from the side frame in case of accidental impact. Vertical orange stripes for visual safety awareness. Side frames are structural columns consisting of 5 x 2 x 1/4" structural steel tubing, welded to a reinforced 0.22" thick steel 'Z' mounting bracket and 0.18" thick steel hinged cover. Drive system is a 480 volt, 3-phase variable speed AC Drive motor with brake and absolute encoder. Opens at up to 60" per second and closes at 21" per second.			
08 33 23 13-0335	High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) (08 33 23 13-0334)			
08 33 23 13-0336	8' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) (08 33 23 13-0335)			
08 33 23 13-0337	EA	8' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	29,808.67	1,155.49
08 33 23 13-0338	EA	8' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	30,076.94	1,188.23
08 33 23 13-0339	EA	8' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	30,546.29	1,220.96
08 33 23 13-0340	EA	8' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	31,015.65	1,253.70
08 33 23 13-0341	EA	8' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	31,486.72	1,286.44
08 33 23 13-0342	EA	8' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	31,956.06	1,319.18
08 33 23 13-0343	EA	8' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	32,222.62	1,351.92
08 33 23 13-0344	EA	8' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	32,698.51	1,387.07
08 33 23 13-0345	EA	8' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	33,578.39	1,423.13
08 33 23 13-0346	EA	8' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	33,855.19	1,460.13
08 33 23 13-0347	EA	8' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,537.77	1,498.10
08 33 23 13-0348	9' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) (08 33 23 13-0335)			
08 33 23 13-0349	EA	9' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	30,076.94	1,188.23
08 33 23 13-0350	EA	9' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	30,343.49	1,220.96
08 33 23 13-0351	EA	9' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	30,814.57	1,253.70
08 33 23 13-0352	EA	9' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	31,486.72	1,286.44
08 33 23 13-0353	EA	9' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	31,753.27	1,319.18
08 33 23 13-0354	EA	9' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	32,222.62	1,351.92
08 33 23 13-0355	EA	9' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	32,693.68	1,384.66
08 33 23 13-0356	EA	9' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	33,174.51	1,423.13
08 33 23 13-0357	EA	9' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,259.06	1,460.13
08 33 23 13-0358	EA	9' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,347.23	1,498.10
08 33 23 13-0359	EA	9' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,435.68	1,537.05
08 33 23 13-0360	10' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) (08 33 23 13-0335)			
08 33 23 13-0361	EA	10' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	31,556.83	1,220.96
08 33 23 13-0362	EA	10' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	31,825.11	1,253.70
08 33 23 13-0363	EA	10' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	32,294.46	1,286.44
08 33 23 13-0364	EA	10' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	32,966.60	1,319.18
08 33 23 13-0365	EA	10' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	33,435.96	1,351.92
08 33 23 13-0366	EA	10' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	33,907.02	1,384.66
08 33 23 13-0367	EA	10' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,376.38	1,417.40
08 33 23 13-0368	EA	10' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,067.10	1,459.42
08 33 23 13-0369	EA	10' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,950.72	1,497.37
08 33 23 13-0370	EA	10' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,241.92	1,536.30
08 33 23 13-0371	EA	10' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,334.08	1,576.24
08 33 23 13-0372	11' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) (08 33 23 13-0335)			
08 33 23 13-0373	EA	11' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	31,622.32	1,253.70
08 33 23 13-0374	EA	11' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	32,091.67	1,286.44
08 33 23 13-0375	EA	11' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	32,562.73	1,319.18
08 33 23 13-0376	EA	11' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	33,234.88	1,351.92
08 33 23 13-0377	EA	11' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	33,704.22	1,384.66
08 33 23 13-0378	EA	11' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,173.58	1,417.40
08 33 23 13-0379	EA	11' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,251.31	1,450.13
08 33 23 13-0380	EA	11' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,553.89	1,495.61
08 33 23 13-0381	EA	11' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,845.01	1,534.50
08 33 23 13-0382	EA	11' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,138.14	1,574.40
08 33 23 13-0383	EA	11' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	40,230.54	1,615.33
08 33 23 13-0384	12' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) (08 33 23 13-0335)			
08 33 23 13-0385	EA	12' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	31,890.59	1,286.44
08 33 23 13-0386	EA	12' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	32,359.93	1,319.18
08 33 23 13-0387	EA	12' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	32,829.29	1,351.92
08 33 23 13-0388	EA	12' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	33,501.43	1,384.66
08 33 23 13-0389	EA	12' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,173.58	1,417.40
08 33 23 13-0390	EA	12' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,452.39	1,450.13
08 33 23 13-0391	EA	12' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,731.21	1,482.87

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0392	EA	12' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	38,042.41	1,531.81
08 33 23 13-0393	EA	12' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	39,536.47	1,571.64
08 33 23 13-0394	EA	12' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	40,831.54	1,612.50
08 33 23 13-0395	EA	12' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	42,128.73	1,654.43
08 33 23 13-0396 13' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) (08 33 23 13-0335)				
08 33 23 13-0397	EA	13' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	32,359.93	1,319.18
08 33 23 13-0398	EA	13' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	32,628.21	1,351.92
08 33 23 13-0399	EA	13' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	33,097.55	1,384.66
08 33 23 13-0400	EA	13' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	33,972.51	1,417.40
08 33 23 13-0401	EA	13' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	35,452.39	1,450.13
08 33 23 13-0402	EA	13' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	36,934.00	1,482.87
08 33 23 13-0403	EA	13' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	38,212.81	1,515.62
08 33 23 13-0404	EA	13' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	39,732.23	1,568.11
08 33 23 13-0405	EA	13' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	41,229.90	1,608.88
08 33 23 13-0406	EA	13' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	42,727.97	1,650.72
08 33 23 13-0407	EA	13' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	44,027.14	1,693.63
08 33 23 13-0408 14' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) (08 33 23 13-0335)				
08 33 23 13-0409	EA	14' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	32,628.21	1,351.92
08 33 23 13-0410	EA	14' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	32,894.76	1,384.66
08 33 23 13-0411	EA	14' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	33,566.92	1,417.40
08 33 23 13-0412	EA	14' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	34,845.72	1,450.13
08 33 23 13-0413	EA	14' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	36,731.21	1,482.87
08 33 23 13-0414	EA	14' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	38,212.81	1,515.62
08 33 23 13-0415	EA	14' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	39,895.50	1,548.35
08 33 23 13-0416	EA	14' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	41,421.87	1,604.34
08 33 23 13-0417	EA	14' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	42,921.43	1,646.06
08 33 23 13-0418	EA	14' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	44,421.44	1,688.84
08 33 23 13-0419	EA	14' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	46,128.19	1,732.76
08 33 23 13-0420 15' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) (08 33 23 13-0335)				
08 33 23 13-0421	EA	15' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	33,903.73	1,383.01
08 33 23 13-0422	EA	15' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	34,374.59	1,416.51
08 33 23 13-0423	EA	15' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	35,048.24	1,449.99
08 33 23 13-0424	EA	15' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	35,922.97	1,483.49
08 33 23 13-0425	EA	15' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	38,012.75	1,516.98
08 33 23 13-0426	EA	15' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	39,696.94	1,550.47
08 33 23 13-0427	EA	15' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	41,381.14	1,583.97
08 33 23 13-0428	EA	15' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	42,911.82	1,641.24
08 33 23 13-0429	EA	15' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	44,614.37	1,683.90
08 33 23 13-0430	EA	15' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	46,319.14	1,727.70
08 33 23 13-0431	EA	15' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	48,026.18	1,772.61
08 33 23 13-0432 16' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) (08 33 23 13-0335)				
08 33 23 13-0433	EA	16' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	34,168.43	1,414.83
08 33 23 13-0434	EA	16' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	34,843.62	1,449.08
08 33 23 13-0435	EA	16' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	35,518.82	1,483.35
08 33 23 13-0436	EA	16' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	37,204.55	1,517.60
08 33 23 13-0437	EA	16' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	39,496.94	1,551.87
08 33 23 13-0438	EA	16' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	41,184.39	1,586.14
08 33 23 13-0439	EA	16' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	42,870.13	1,620.39
08 33 23 13-0440	EA	16' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	44,604.52	1,678.98
08 33 23 13-0441	EA	16' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	46,309.03	1,722.64
08 33 23 13-0442	EA	16' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	48,015.81	1,767.43
08 33 23 13-0443	EA	16' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	49,927.73	1,813.38
08 33 23 13-0444 17' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) (08 33 23 13-0335)				
08 33 23 13-0445	EA	17' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	34,639.09	1,447.36
08 33 23 13-0446	EA	17' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	35,113.07	1,482.41
08 33 23 13-0447	EA	17' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	36,800.38	1,517.46
08 33 23 13-0448	EA	17' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	38,487.68	1,552.51
08 33 23 13-0449	EA	17' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	40,781.66	1,587.56
08 33 23 13-0450	EA	17' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	42,671.76	1,622.61
08 33 23 13-0451	EA	17' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	44,359.08	1,657.66
08 33 23 13-0452	EA	17' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	46,298.97	1,717.61
08 33 23 13-0453	EA	17' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	48,005.48	1,762.25
08 33 23 13-0454	EA	17' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	49,917.13	1,808.08
08 33 23 13-0455	EA	17' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	51,831.15	1,855.10
08 33 23 13-0456 18' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) (08 33 23 13-0335)				

08 Openings
08 30 Specialty Doors and Frames
08 33 Coiling Doors and Grilles

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 33 23 13-0457	EA	18' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,109.55	1,480.66
08 33 23 13-0458	EA	18' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,585.14	1,516.51
08 33 23 13-0459	EA	18' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,880.72	1,552.37
08 33 23 13-0460	EA	18' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,772.44	1,588.21
08 33 23 13-0461	EA	18' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,068.04	1,624.08
08 33 23 13-0462	EA	18' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	43,959.75	1,659.93
08 33 23 13-0463	EA	18' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	46,054.26	1,695.80
08 33 23 13-0464	EA	18' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	47,995.17	1,757.11
08 33 23 13-0465	EA	18' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	49,906.55	1,802.79
08 33 23 13-0466	EA	18' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	51,820.29	1,849.67
08 33 23 13-0467	EA	18' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	53,736.50	1,897.75

08 33 23 13-0468 19' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)
(08 33 23 13-0335)

08 33 23 13-0469	EA	19' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,985.40	1,514.70
08 33 23 13-0470	EA	19' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,665.44	1,551.39
08 33 23 13-0471	EA	19' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,165.47	1,588.07
08 33 23 13-0472	EA	19' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,058.84	1,624.76
08 33 23 13-0473	EA	19' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	43,558.87	1,661.44
08 33 23 13-0474	EA	19' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	45,452.24	1,698.12
08 33 23 13-0475	EA	19' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	47,546.68	1,734.80
08 33 23 13-0476	EA	19' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	49,492.14	1,797.52
08 33 23 13-0477	EA	19' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	51,606.70	1,844.25
08 33 23 13-0478	EA	19' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	53,522.59	1,892.21
08 33 23 13-0479	EA	19' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	55,643.78	1,941.41

08 33 23 13-0480 20' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)
(08 33 23 13-0335)

08 33 23 13-0481	EA	20' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,268.42	1,549.55
08 33 23 13-0482	EA	20' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,950.15	1,587.07
08 33 23 13-0483	EA	20' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	40,249.06	1,624.60
08 33 23 13-0484	EA	20' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,346.92	1,662.11
08 33 23 13-0485	EA	20' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	44,848.63	1,699.64
08 33 23 13-0486	EA	20' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	46,944.77	1,737.17
08 33 23 13-0487	EA	20' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	49,042.61	1,774.70
08 33 23 13-0488	EA	20' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	51,192.03	1,838.86
08 33 23 13-0489	EA	20' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	53,310.45	1,886.68
08 33 23 13-0490	EA	20' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	55,429.63	1,935.72
08 33 23 13-0491	EA	20' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	57,551.39	1,986.06

08 33 23 13-0492 21' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)
(08 33 23 13-0335)

08 33 23 13-0493	EA	21' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,542.50	1,585.18
08 33 23 13-0494	EA	21' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,439.28	1,623.57
08 33 23 13-0495	EA	21' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,336.06	1,661.96
08 33 23 13-0496	EA	21' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	43,636.70	1,700.35
08 33 23 13-0497	EA	21' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	46,140.15	1,738.73
08 33 23 13-0498	EA	21' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	48,440.81	1,777.12
08 33 23 13-0499	EA	21' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	50,538.66	1,815.51
08 33 23 13-0500	EA	21' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	52,893.82	1,881.16
08 33 23 13-0501	EA	21' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	55,014.45	1,930.07
08 33 23 13-0502	EA	21' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	57,135.89	1,980.25
08 33 23 13-0503	EA	21' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	59,462.74	2,031.73

08 33 23 13-0504 22' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)
(08 33 23 13-0335)

08 33 23 13-0505	EA	22' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,019.29	1,621.65
08 33 23 13-0506	EA	22' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,715.03	1,660.93
08 33 23 13-0507	EA	22' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,625.84	1,700.18
08 33 23 13-0508	EA	22' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	44,928.25	1,739.46
08 33 23 13-0509	EA	22' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	47,634.55	1,778.73
08 33 23 13-0510	EA	22' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	49,936.96	1,818.01
08 33 23 13-0511	EA	22' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	52,038.31	1,857.26
08 33 23 13-0512	EA	22' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	54,396.49	1,924.42
08 33 23 13-0513	EA	22' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	56,720.43	1,974.45
08 33 23 13-0514	EA	22' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	59,046.98	2,025.80
08 33 23 13-0515	EA	22' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	61,376.19	2,078.47

08 33 23 13-0516 23' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)
(08 33 23 13-0335)

08 33 23 13-0517	EA	23' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,510.02	1,658.94
08 33 23 13-0518	EA	23' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,004.77	1,699.12
08 33 23 13-0519	EA	23' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	43,714.59	1,739.29
08 33 23 13-0520	EA	23' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	46,221.60	1,779.47
08 33 23 13-0521	EA	23' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	48,929.71	1,819.64
08 33 23 13-0522	EA	23' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	51,233.92	1,859.81
08 33 23 13-0523	EA	23' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	53,740.95	1,899.99
08 33 23 13-0524	EA	23' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	56,102.22	1,968.69

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0525	EA	23' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	58,428.48	2,019.87
08 33 23 13-0526	EA	23' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	60,960.18	2,072.39
08 33 23 13-0527	EA	23' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	63,291.82	2,126.27
08 33 23 13-0528 24' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) (08 33 23 13-0335)				
08 33 23 13-0529	EA	24' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	40,799.67	1,697.10
08 33 23 13-0530	EA	24' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	41,892.40	1,738.20
08 33 23 13-0531	EA	24' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	45,007.93	1,779.30
08 33 23 13-0532	EA	24' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	47,314.00	1,820.39
08 33 23 13-0533	EA	24' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	50,226.73	1,861.49
08 33 23 13-0534	EA	24' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	52,735.61	1,902.58
08 33 23 13-0535	EA	24' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	55,242.77	1,943.68
08 33 23 13-0536	EA	24' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	57,809.99	2,013.96
08 33 23 13-0537	EA	24' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	60,138.60	2,066.33
08 33 23 13-0538	EA	24' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	62,672.72	2,120.05
08 33 23 13-0539	EA	24' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	65,209.63	2,175.18
08 33 23 13-0540 Rytec® Powerhouse™ Door Options (08 33 23 13-0334)				
08 33 23 13-0541	EA	Up To 8' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors.....	2,629.47	
08 33 23 13-0542	EA	9' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	2,681.03	
08 33 23 13-0543	EA	10' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	2,732.58	
08 33 23 13-0544	EA	11' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	2,784.14	
08 33 23 13-0545	EA	12' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	2,835.70	
08 33 23 13-0546	EA	13' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	2,887.26	
08 33 23 13-0547	EA	14' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	2,938.82	
08 33 23 13-0548	EA	15' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	2,990.37	
08 33 23 13-0549	EA	16' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,041.93	
08 33 23 13-0550	EA	17' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,093.49	
08 33 23 13-0551	EA	18' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,145.05	
08 33 23 13-0552	EA	19' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,196.61	
08 33 23 13-0553	EA	20' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,248.17	
08 33 23 13-0554	EA	21' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,299.72	
08 33 23 13-0555	EA	22' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,351.28	
08 33 23 13-0556	EA	23' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,402.84	
08 33 23 13-0557	EA	24' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,454.40	
08 33 23 13-0558	EA	11" x 20" Window For Rytec® Powerhouse™ High-Speed Rolling Doors.....	601.51	
08 33 23 13-0559	EA	208-230 Volt Application For Rytec® Powerhouse™ Door.....	1,478.00	
Note: Includes System 4 Controller In NEMA 4 Enclosure				
08 33 23 13-0560 Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral®) (08 33 23 13)				
Note: Door panels are double-walled aluminum slats that are 6" high x 1-3/16" thick. Width is variable. Side frames are galvanized steel with full height weather seal on both sides. There are extension springs in each column for counterbalance. The drive system is a 2 HP, 208,230/460 Volt, three-phase motor with variable speed AC drive. Opening and closing speeds up to 60" per second.				
08 33 23 13-0561 Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral®) (08 33 23 13-0560)				
08 33 23 13-0562 8' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 23 13-0561)				
08 33 23 13-0563	EA	8' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	32,162.33	1,540.65
08 33 23 13-0564	EA	8' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	33,088.71	1,573.38
08 33 23 13-0565	EA	8' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	34,015.09	1,606.13
08 33 23 13-0566	EA	8' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	34,943.05	1,638.86
08 33 23 13-0567	EA	8' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	35,869.42	1,671.60
08 33 23 13-0568	EA	8' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	36,795.79	1,704.35
08 33 23 13-0569	EA	8' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	39,442.36	1,737.08
08 33 23 13-0570	EA	8' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	40,368.78	1,771.82
08 33 23 13-0571	EA	8' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	41,288.09	1,807.25
08 33 23 13-0572	EA	8' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	42,212.80	1,843.40
08 33 23 13-0573	EA	8' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	43,138.96	1,880.27
08 33 23 13-0574 9' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 23 13-0561)				
08 33 23 13-0575	EA	9' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	33,088.71	1,573.38
08 33 23 13-0576	EA	9' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	34,015.09	1,606.13
08 33 23 13-0577	EA	9' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	34,943.05	1,638.86
08 33 23 13-0578	EA	9' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	35,869.42	1,671.60
08 33 23 13-0579	EA	9' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	36,795.79	1,704.35
08 33 23 13-0580	EA	9' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	37,722.16	1,737.08
08 33 23 13-0581	EA	9' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	40,368.78	1,769.82
08 33 23 13-0582	EA	9' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	41,278.39	1,805.22
08 33 23 13-0583	EA	9' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	42,218.94	1,841.32
08 33 23 13-0584	EA	9' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	43,145.02	1,878.16
08 33 23 13-0585	EA	9' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	44,072.58	1,915.70
08 33 23 13-0586 10' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 23 13-0561)				
08 33 23 13-0587	EA	10' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	34,015.09	1,606.13

08 Openings
08 30 Specialty Doors and Frames
08 33 Coiling Doors and Grilles

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 33 23 13-0588	EA	10' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	34,943.05	1,638.86
08 33 23 13-0589	EA	10' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	35,869.42	1,671.60
08 33 23 13-0590	EA	10' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	36,795.79	1,704.35
08 33 23 13-0591	EA	10' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	37,722.16	1,737.08
08 33 23 13-0592	EA	10' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	38,648.54	1,769.82
08 33 23 13-0593	EA	10' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	41,295.11	1,802.55
08 33 23 13-0594	EA	10' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	42,220.40	1,838.61
08 33 23 13-0595	EA	10' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	43,146.37	1,875.38
08 33 23 13-0596	EA	10' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	44,073.82	1,912.90
08 33 23 13-0597	EA	10' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	45,002.77	1,951.14

08 33 23 13-0598 11' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 23 13-0561)

08 33 23 13-0599	EA	11' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	34,943.05	1,638.86
08 33 23 13-0600	EA	11' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	35,869.42	1,671.60
08 33 23 13-0601	EA	11' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	36,795.79	1,704.35
08 33 23 13-0602	EA	11' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	37,722.16	1,737.08
08 33 23 13-0603	EA	11' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	38,648.54	1,769.82
08 33 23 13-0604	EA	11' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	39,574.91	1,802.55
08 33 23 13-0605	EA	11' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	42,219.88	1,835.30
08 33 23 13-0606	EA	11' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	43,148.21	1,872.00
08 33 23 13-0607	EA	11' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	44,075.51	1,909.44
08 33 23 13-0608	EA	11' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	45,004.32	1,947.63
08 33 23 13-0609	EA	11' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	45,934.65	1,986.59

08 33 23 13-0610 12' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 23 13-0561)

08 33 23 13-0611	EA	12' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	35,869.42	1,671.60
08 33 23 13-0612	EA	12' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	36,795.79	1,704.35
08 33 23 13-0613	EA	12' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	37,722.16	1,737.08
08 33 23 13-0614	EA	12' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	38,648.54	1,769.82
08 33 23 13-0615	EA	12' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	39,574.91	1,802.55
08 33 23 13-0616	EA	12' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	40,501.27	1,835.30
08 33 23 13-0617	EA	12' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	43,147.85	1,868.04
08 33 23 13-0618	EA	12' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	44,076.01	1,905.40
08 33 23 13-0619	EA	12' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	45,004.66	1,943.50
08 33 23 13-0620	EA	12' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	45,934.83	1,982.38
08 33 23 13-0621	EA	12' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	46,868.28	2,022.03

08 33 23 13-0622 13' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 23 13-0561)

08 33 23 13-0623	EA	13' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	36,795.79	1,704.35
08 33 23 13-0624	EA	13' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	37,722.16	1,737.08
08 33 23 13-0625	EA	13' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	38,648.54	1,769.82
08 33 23 13-0626	EA	13' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	39,574.91	1,802.55
08 33 23 13-0627	EA	13' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	40,501.27	1,835.30
08 33 23 13-0628	EA	13' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	41,427.65	1,868.04
08 33 23 13-0629	EA	13' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	44,074.22	1,900.77
08 33 23 13-0630	EA	13' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	45,003.83	1,938.79
08 33 23 13-0631	EA	13' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	45,933.79	1,977.56
08 33 23 13-0632	EA	13' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	46,865.34	2,017.12
08 33 23 13-0633	EA	13' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	47,798.45	2,057.46

08 33 23 13-0634 14' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 23 13-0561)

08 33 23 13-0635	EA	14' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	39,442.36	1,737.08
08 33 23 13-0636	EA	14' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	40,368.73	1,769.82
08 33 23 13-0637	EA	14' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	41,295.11	1,802.55
08 33 23 13-0638	EA	14' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	42,219.88	1,835.30
08 33 23 13-0639	EA	14' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	43,147.85	1,868.04
08 33 23 13-0640	EA	14' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	44,074.22	1,900.77
08 33 23 13-0641	EA	14' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	44,992.64	1,933.51
08 33 23 13-0642	EA	14' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	45,923.04	1,972.18
08 33 23 13-0643	EA	14' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	46,854.35	2,011.63
08 33 23 13-0644	EA	14' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	47,787.25	2,051.86
08 33 23 13-0645	EA	14' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	48,721.76	2,092.89

08 33 23 13-0646 15' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 23 13-0561)

08 33 23 13-0647	EA	15' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	40,364.78	1,771.82
08 33 23 13-0648	EA	15' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	41,294.31	1,805.22
08 33 23 13-0649	EA	15' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	42,220.40	1,838.61
08 33 23 13-0650	EA	15' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	43,148.21	1,872.00
08 33 23 13-0651	EA	15' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	44,076.01	1,905.40
08 33 23 13-0652	EA	15' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	45,003.83	1,938.79
08 33 23 13-0653	EA	15' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	45,923.04	1,972.18
08 33 23 13-0654	EA	15' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	46,854.35	2,011.63
08 33 23 13-0655	EA	15' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	47,787.25	2,051.86

MINOR				TOTAL DIRECT		DEMOLITION	
CSI UOM DESCRIPTION				UNIT COST		UNIT COST	
08 33 23 13-0656	EA	15' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)		48,721.76		2,092.89	
08 33 23 13-0657	EA	15' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)		49,657.90		2,134.76	
08 33 23 13-0658	16' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 23 13-0561)						
08 33 23 13-0659	EA	16' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)		41,288.09		1,807.25	
08 33 23 13-0660	EA	16' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)		42,218.94		1,841.32	
08 33 23 13-0661	EA	16' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)		43,146.37		1,875.38	
08 33 23 13-0662	EA	16' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)		44,075.51		1,909.44	
08 33 23 13-0663	EA	16' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)		45,004.66		1,943.50	
08 33 23 13-0664	EA	16' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)		45,933.79		1,977.56	
08 33 23 13-0665	EA	16' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)		46,854.35		2,011.63	
08 33 23 13-0666	EA	16' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)		47,787.25		2,051.86	
08 33 23 13-0667	EA	16' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)		48,721.76		2,092.89	
08 33 23 13-0668	EA	16' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)		49,657.90		2,134.76	
08 33 23 13-0669	EA	16' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)		50,597.44		2,177.45	
08 33 23 13-0670	17' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 23 13-0561)						
08 33 23 13-0671	EA	17' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)		42,212.80		1,843.40	
08 33 23 13-0672	EA	17' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)		43,145.02		1,878.16	
08 33 23 13-0673	EA	17' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)		44,073.82		1,912.90	
08 33 23 13-0674	EA	17' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)		45,004.32		1,947.63	
08 33 23 13-0675	EA	17' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)		45,934.83		1,982.38	
08 33 23 13-0676	EA	17' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)		46,865.34		2,017.12	
08 33 23 13-0677	EA	17' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)		47,787.25		2,051.86	
08 33 23 13-0678	EA	17' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)		48,721.76		2,092.89	
08 33 23 13-0679	EA	17' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)		49,657.90		2,134.76	
08 33 23 13-0680	EA	17' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)		50,597.44		2,177.45	
08 33 23 13-0681	EA	17' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)		51,536.96		2,221.00	
08 33 23 13-0682	18' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 23 13-0561)						
08 33 23 13-0683	EA	18' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)		43,329.73		1,880.27	
08 33 23 13-0684	EA	18' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)		44,261.63		1,915.70	
08 33 23 13-0685	EA	18' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)		45,193.53		1,951.14	
08 33 23 13-0686	EA	18' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)		46,123.69		1,986.59	
08 33 23 13-0687	EA	18' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)		47,057.33		2,022.03	
08 33 23 13-0688	EA	18' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)		47,987.50		2,057.46	
08 33 23 13-0689	EA	18' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)		48,912.53		2,092.89	
08 33 23 13-0690	EA	18' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)		49,848.66		2,134.76	
08 33 23 13-0691	EA	18' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)		50,786.48		2,177.45	
08 33 23 13-0692	EA	18' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)		51,726.01		2,221.00	
08 33 23 13-0693	EA	18' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)		52,667.28		2,265.42	
08 33 23 13-0694	19' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 23 13-0561)						
08 33 23 13-0695	EA	19' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)		44,540.94		1,917.88	
08 33 23 13-0696	EA	19' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)		45,475.97		1,954.03	
08 33 23 13-0697	EA	19' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)		46,407.58		1,990.17	
08 33 23 13-0698	EA	19' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)		47,340.89		2,026.31	
08 33 23 13-0699	EA	19' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)		48,274.20		2,062.47	
08 33 23 13-0700	EA	19' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)		49,207.51		2,098.61	
08 33 23 13-0701	EA	19' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)		50,132.23		2,134.76	
08 33 23 13-0702	EA	19' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)		51,070.05		2,177.45	
08 33 23 13-0703	EA	19' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)		52,009.58		2,221.00	
08 33 23 13-0704	EA	19' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)		52,950.85		2,265.42	
08 33 23 13-0705	EA	19' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)		53,895.62		2,310.73	
08 33 23 13-0706	20' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 23 13-0561)						
08 33 23 13-0707	EA	20' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)		46,038.44		1,956.63	
08 33 23 13-0708	EA	20' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)		46,975.63		1,992.57	
08 33 23 13-0709	EA	20' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)		47,908.13		2,029.81	
08 33 23 13-0710	EA	20' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)		48,843.62		2,067.04	
08 33 23 13-0711	EA	20' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)		49,777.81		2,104.27	
08 33 23 13-0712	EA	20' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)		50,712.01		2,140.22	
08 33 23 13-0713	EA	20' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)		51,638.91		2,177.45	
08 33 23 13-0714	EA	20' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)		52,578.64		2,221.00	
08 33 23 13-0715	EA	20' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)		53,519.66		2,266.04	
08 33 23 13-0716	EA	20' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)		54,463.25		2,310.97	
08 33 23 13-0717	EA	20' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)		55,408.11		2,357.20	
08 33 23 13-0718	Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) (08 33 23 13-0560)						

08 Openings**08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 33 23 13-0719	8' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) (08 33 23 13-0718)		
08 33 23 13-0720	EA	8' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	32,180.73 1,027.10
08 33 23 13-0721	EA	8' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	32,887.95 1,048.92
08 33 23 13-0722	EA	8' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	33,595.18 1,070.75
08 33 23 13-0723	EA	8' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	34,299.23 1,092.57
08 33 23 13-0724	EA	8' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	35,006.45 1,114.40
08 33 23 13-0725	EA	8' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	35,713.67 1,136.22
08 33 23 13-0726	EA	8' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	43,053.44 1,158.05
08 33 23 13-0727	9' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) (08 33 23 13-0718)		
08 33 23 13-0728	EA	9' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	32,887.95 1,048.92
08 33 23 13-0729	EA	9' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	33,595.18 1,070.75
08 33 23 13-0730	EA	9' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	34,299.23 1,092.57
08 33 23 13-0731	EA	9' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	35,006.45 1,114.40
08 33 23 13-0732	EA	9' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	35,713.67 1,136.22
08 33 23 13-0733	EA	9' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	36,420.89 1,158.05
08 33 23 13-0734	EA	9' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	43,760.66 1,179.88
08 33 23 13-0735	10' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) (08 33 23 13-0718)		
08 33 23 13-0736	EA	10' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	33,595.18 1,070.75
08 33 23 13-0737	EA	10' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	34,299.23 1,092.57
08 33 23 13-0738	EA	10' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	35,006.45 1,114.40
08 33 23 13-0739	EA	10' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	35,713.67 1,136.22
08 33 23 13-0740	EA	10' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	36,420.89 1,158.05
08 33 23 13-0741	EA	10' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	37,128.12 1,179.88
08 33 23 13-0742	EA	10' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	44,467.89 1,201.71
08 33 23 13-0743	11' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) (08 33 23 13-0718)		
08 33 23 13-0744	EA	11' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	34,299.23 1,092.57
08 33 23 13-0745	EA	11' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	35,006.45 1,114.40
08 33 23 13-0746	EA	11' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	35,713.67 1,136.22
08 33 23 13-0747	EA	11' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	36,420.89 1,158.05
08 33 23 13-0748	EA	11' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	37,128.12 1,179.88
08 33 23 13-0749	EA	11' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	37,835.34 1,201.71
08 33 23 13-0750	EA	11' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	45,171.93 1,223.53
08 33 23 13-0751	12' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) (08 33 23 13-0718)		
08 33 23 13-0752	EA	12' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	35,006.45 1,114.40
08 33 23 13-0753	EA	12' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	35,713.67 1,136.22
08 33 23 13-0754	EA	12' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	36,420.89 1,158.05
08 33 23 13-0755	EA	12' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	37,128.12 1,179.88
08 33 23 13-0756	EA	12' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	37,835.34 1,201.71
08 33 23 13-0757	EA	12' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	38,542.56 1,223.53
08 33 23 13-0758	EA	12' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	45,879.16 1,245.36
08 33 23 13-0759	13' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) (08 33 23 13-0718)		
08 33 23 13-0760	EA	13' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	35,713.67 1,136.22
08 33 23 13-0761	EA	13' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	36,420.89 1,158.05
08 33 23 13-0762	EA	13' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	37,128.12 1,179.88
08 33 23 13-0763	EA	13' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	37,835.34 1,201.71
08 33 23 13-0764	EA	13' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	38,542.56 1,223.53
08 33 23 13-0765	EA	13' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	39,249.80 1,245.36
08 33 23 13-0766	EA	13' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	46,586.38 1,267.18
08 33 23 13-0767	14' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) (08 33 23 13-0718)		
08 33 23 13-0768	EA	14' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	43,053.44 1,158.05
08 33 23 13-0769	EA	14' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	43,760.66 1,179.88
08 33 23 13-0770	EA	14' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	44,467.89 1,201.71
08 33 23 13-0771	EA	14' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	45,171.93 1,223.53
08 33 23 13-0772	EA	14' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	45,879.16 1,245.36
08 33 23 13-0773	EA	14' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	46,586.38 1,267.18
08 33 23 13-0774	EA	14' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	47,293.61 1,289.01
08 33 23 13-0775	Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) (08 33 23 13-0560)		

			Openings	08	88
			Specialty Doors and Frames	08 30	
			Coiling Doors and Grilles	08 33	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

**08 33 23 13-0776 8' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors
(Rytec® Spiral FV®) (08 33 23 13-0775)**

08 33 23 13-0777	EA	8' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	29,906.76	1,027.10
08 33 23 13-0778	EA	8' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	30,613.98	1,048.92
08 33 23 13-0779	EA	8' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	31,321.20	1,070.75
08 33 23 13-0780	EA	8' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	32,026.85	1,092.57
08 33 23 13-0781	EA	8' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	32,734.07	1,114.40
08 33 23 13-0782	EA	8' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	33,428.14	1,130.45
08 33 23 13-0783	EA	8' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	38,240.66	1,136.22

**08 33 23 13-0784 9' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors
(Rytec® Spiral FV®) (08 33 23 13-0775)**

08 33 23 13-0785	EA	9' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	30,613.98	1,048.92
08 33 23 13-0786	EA	9' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	31,321.20	1,070.75
08 33 23 13-0787	EA	9' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	32,026.85	1,092.57
08 33 23 13-0788	EA	9' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	32,734.07	1,114.40
08 33 23 13-0789	EA	9' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	33,439.70	1,136.22
08 33 23 13-0790	EA	9' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	34,130.23	1,149.70
08 33 23 13-0791	EA	9' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	36,564.11	1,158.05

**08 33 23 13-0792 10' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors
(Rytec® Spiral FV®) (08 33 23 13-0775)**

08 33 23 13-0793	EA	10' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	31,321.20	1,070.75
08 33 23 13-0794	EA	10' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	32,026.85	1,092.57
08 33 23 13-0795	EA	10' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	32,734.07	1,114.40
08 33 23 13-0796	EA	10' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	33,439.70	1,136.22
08 33 23 13-0797	EA	10' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	34,146.92	1,158.05
08 33 23 13-0798	EA	10' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	34,842.59	1,174.10
08 33 23 13-0799	EA	10' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	37,468.66	1,179.88

**08 33 23 13-0800 11' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors
(Rytec® Spiral FV®) (08 33 23 13-0775)**

08 33 23 13-0801	EA	11' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	32,026.85	1,092.57
08 33 23 13-0802	EA	11' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	32,734.07	1,114.40
08 33 23 13-0803	EA	11' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	33,439.70	1,136.22
08 33 23 13-0804	EA	11' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	34,146.92	1,158.05
08 33 23 13-0805	EA	11' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	34,854.15	1,179.88
08 33 23 13-0806	EA	11' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	35,549.81	1,195.93
08 33 23 13-0807	EA	11' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	38,373.20	1,201.71

**08 33 23 13-0808 12' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors
(Rytec® Spiral FV®) (08 33 23 13-0775)**

08 33 23 13-0809	EA	12' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	32,734.07	1,114.40
08 33 23 13-0810	EA	12' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	33,439.70	1,136.22
08 33 23 13-0811	EA	12' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	34,146.92	1,158.05
08 33 23 13-0812	EA	12' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	34,854.15	1,179.88
08 33 23 13-0813	EA	12' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	35,561.37	1,201.71
08 33 23 13-0814	EA	12' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	36,254.47	1,216.47
08 33 23 13-0815	EA	12' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	39,277.74	1,223.53

**08 33 23 13-0816 13' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors
(Rytec® Spiral FV®) (08 33 23 13-0775)**

08 33 23 13-0817	EA	13' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	33,439.70	1,136.22
08 33 23 13-0818	EA	13' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	34,146.92	1,158.05
08 33 23 13-0819	EA	13' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	34,854.15	1,179.88
08 33 23 13-0820	EA	13' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	35,561.37	1,201.71
08 33 23 13-0821	EA	13' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	36,268.59	1,223.53
08 33 23 13-0822	EA	13' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	36,962.99	1,238.94
08 33 23 13-0823	EA	13' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	40,182.30	1,245.36

**08 33 23 13-0824 14' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors
(Rytec® Spiral FV®) (08 33 23 13-0775)**

08 33 23 13-0825	EA	14' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	38,284.31	1,158.05
08 33 23 13-0826	EA	14' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	39,188.85	1,179.88
08 33 23 13-0827	EA	14' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	40,093.40	1,201.71
08 33 23 13-0828	EA	14' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	40,996.35	1,223.53
08 33 23 13-0829	EA	14' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	41,902.50	1,245.36
08 33 23 13-0830	EA	14' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	42,795.48	1,261.40
08 33 23 13-0831	EA	14' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	42,807.04	1,267.18

**08 33 23 13-0832 Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors
(Rytec® Spiral SST-HZ®) (08 33 23 13-0560)**

08 Openings
08 30 Specialty Doors and Frames
08 33 Coiling Doors and Grilles

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 33 23 13-0833	8' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) (08 33 23 13-0832)		
08 33 23 13-0834	EA 8' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	40,011.34	1,027.10
08 33 23 13-0835	EA 8' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	40,909.13	1,048.92
08 33 23 13-0836	EA 8' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	41,805.21	1,070.75
08 33 23 13-0837	EA 8' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	43,173.92	1,092.57
08 33 23 13-0838	EA 8' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	44,544.33	1,114.40
08 33 23 13-0839	EA 8' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	45,914.74	1,136.22
08 33 23 13-0840	EA 8' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	47,285.16	1,158.05
08 33 23 13-0841	9' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) (08 33 23 13-0832)		
08 33 23 13-0842	EA 9' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	40,909.13	1,048.92
08 33 23 13-0843	EA 9' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	41,805.21	1,070.75
08 33 23 13-0844	EA 9' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	42,701.30	1,092.57
08 33 23 13-0845	EA 9' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	44,071.71	1,114.40
08 33 23 13-0846	EA 9' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	45,440.41	1,136.22
08 33 23 13-0847	EA 9' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	46,810.82	1,158.05
08 33 23 13-0848	EA 9' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	48,189.83	1,179.88
08 33 23 13-0849	10' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) (08 33 23 13-0832)		
08 33 23 13-0850	EA 10' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	41,805.21	1,070.75
08 33 23 13-0851	EA 10' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	42,701.30	1,092.57
08 33 23 13-0852	EA 10' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	43,597.38	1,114.40
08 33 23 13-0853	EA 10' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	44,967.79	1,136.22
08 33 23 13-0854	EA 10' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	46,336.49	1,158.05
08 33 23 13-0855	EA 10' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	47,706.90	1,179.88
08 33 23 13-0856	EA 10' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	49,094.50	1,201.71
08 33 23 13-0857	11' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) (08 33 23 13-0832)		
08 33 23 13-0858	EA 11' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	42,701.30	1,092.57
08 33 23 13-0859	EA 11' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	43,597.38	1,114.40
08 33 23 13-0860	EA 11' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	44,493.46	1,136.22
08 33 23 13-0861	EA 11' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	45,863.87	1,158.05
08 33 23 13-0862	EA 11' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	47,234.29	1,179.88
08 33 23 13-0863	EA 11' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	48,602.98	1,201.71
08 33 23 13-0864	EA 11' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	49,997.46	1,223.53
08 33 23 13-0865	12' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) (08 33 23 13-0832)		
08 33 23 13-0866	EA 12' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	43,597.38	1,114.40
08 33 23 13-0867	EA 12' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	44,493.46	1,136.22
08 33 23 13-0868	EA 12' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	45,389.54	1,158.05
08 33 23 13-0869	EA 12' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	46,759.95	1,179.88
08 33 23 13-0870	EA 12' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	48,130.36	1,201.71
08 33 23 13-0871	EA 12' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	49,499.06	1,223.53
08 33 23 13-0872	EA 12' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	50,903.86	1,245.36
08 33 23 13-0873	13' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) (08 33 23 13-0832)		
08 33 23 13-0874	EA 13' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	44,493.46	1,136.22
08 33 23 13-0875	EA 13' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	45,389.54	1,158.05
08 33 23 13-0876	EA 13' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	46,285.61	1,179.88
08 33 23 13-0877	EA 13' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	47,656.03	1,201.71
08 33 23 13-0878	EA 13' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	49,026.44	1,223.53
08 33 23 13-0879	EA 13' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	50,396.87	1,245.36
08 33 23 13-0880	EA 13' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	51,808.53	1,267.18
08 33 23 13-0881	14' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) (08 33 23 13-0832)		
08 33 23 13-0882	EA 14' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	45,389.54	1,158.05
08 33 23 13-0883	EA 14' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	46,285.61	1,179.88
08 33 23 13-0884	EA 14' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	47,181.69	1,201.71
08 33 23 13-0885	EA 14' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	48,552.11	1,223.53
08 33 23 13-0886	EA 14' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	49,922.53	1,245.36
08 33 23 13-0887	EA 14' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	51,292.95	1,267.18
08 33 23 13-0888	EA 14' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	52,704.61	1,289.01
08 33 23 13-0889	Rytec® Spiral® Door Options (08 33 23 13-0560)		
08 33 23 13-0890	EA Insulated Slats For Rytec® Spiral® High-Speed Rolling Doors.....	517.17	
	Note: Per door price.		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0891	EA	Up To 13' Wide Doors, Width Of Door, Ventilated Slats For Rytec® Spiral® High-Speed Rolling Doors.....	350.09	
		Note: Maximum of 4 per door.		
08 33 23 13-0892	EA	>13' Wide Doors, Width Of Door, Ventilated Slats For Rytec® Spiral® High-Speed Rolling Doors	517.17	
		Note: Maximum of 4 per door.		
08 33 23 13-0893	EA	Up To 13' Wide Doors, 6" High x Width Of Door, Window Slats For Rytec® Spiral® High-Speed Rolling Doors.....	350.09	
		Note: Maximum of 4 per door.		
08 33 23 13-0894	EA	>13' Wide Doors, 6" High x Width Of Door, Window Slats For Rytec® Spiral® High-Speed Rolling Doors	517.17	
		Note: Maximum of 4 per door.		
08 33 23 13-0895	EA	Right Hand Motor Mount For Rytec® Spiral® High-Speed Rolling Doors	987.69	64.19
08 33 23 13-0896	EA	Up To 13' Wide Doors, Full Hood For Rytec® Spiral® High-Speed Rolling Doors	2,834.69	128.39
08 33 23 13-0897	EA	>13' To 16' Wide Doors, Full Hood For Rytec® Spiral® High-Speed Rolling Doors.....	5,070.47	128.39
08 33 23 13-0898	EA	>16' Wide Doors, Full Hood For Rytec® Spiral® High-Speed Rolling Doors.....	5,762.68	128.39
08 33 23 13-0899	EA	Through Wall Brake Release For Rytec® Spiral® High-Speed Rolling Doors.....	601.51	
08 33 23 13-0900 Activation And Control Box Options For High Speed Doors (08 33 23 13)				
08 33 23 13-0901	EA	Pull Cord For High-Speed Rolling Doors	255.69	64.19
08 33 23 13-0902	EA	Emergency Stop, Pushbutton Control For High-Speed Rolling Doors	191.49	32.09
08 33 23 13-0903	EA	NEMA 4 Mushroom Remote Pushbutton Control For High-Speed Rolling Doors.....	239.23	32.09
08 33 23 13-0904	EA	On/Off Selector Switch, Remote Control For High-Speed Rolling Doors	167.62	32.09
08 33 23 13-0905	EA	On/Off Key Switch, Remote Control For High-Speed Rolling Doors	255.15	32.09
08 33 23 13-0906	EA	Keyed Remote Single Pushbutton Control For High-Speed Rolling Doors.....	414.28	32.09
08 33 23 13-0907	EA	Open/Close/Stop, Remote Pushbutton Control For High-Speed Rolling Doors.....	454.06	32.09
08 33 23 13-0908	EA	Radio Control For High-Speed Rolling Doors	709.75	57.78
		Note: Includes one receiver and two transmitters.		
08 33 23 13-0909	EA	Floor Loop For High-Speed Rolling Doors	966.52	
		Note: Excludes sealant.		
08 33 23 13-0910	EA	Reflective Type Photo Eye For High-Speed Rolling Doors.....	613.81	57.78
08 33 23 13-0911	EA	Thru-Beam Type Photo Eye For High-Speed Rolling Doors.....	797.27	57.78
08 33 23 13-0912	EA	Motion Detector For High-Speed Rolling Doors.....	681.72	38.52
08 33 23 13-0913	EA	Remote Warning Horn For High-Speed Rolling Doors	478.48	64.19
		Note: Includes wall box and mounting hardware.		
08 33 23 13-0914	EA	Remote Strobe Light For High-Speed Rolling Doors	645.56	64.19
		Note: Includes wall box and mounting hardware.		
08 33 23 13-0915	EA	Remote Warning Horn And Strobe Light For High-Speed Rolling Doors.....	733.08	64.19
		Note: Includes wall box and mounting hardware.		
08 33 23 13-0916	EA	Red And Green Red Light For High-Speed Rolling Doors.....	908.13	64.19
		Note: Includes mounting hardware.		
08 33 26 Overhead Coiling Grilles (08 33)				
		Note: Includes curtains, guides, counterbalance mechanisms, hardware, operators, frame, supports and/or trim as required.		
		Excludes lifting equipment (forklift or scissor lift) where required. See CSI section 01 22 23 00-1077 for forklift.		
08 33 26 00-0001 Galvanized Steel Overhead Coiling Grilles (Width x Height) (08 33 26)				
08 33 26 00-0002	EA	4' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	1,757.13	229.55
		For Lexan Lattice Pattern, Add	165.27	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	200.54	
		For Staggered Brick Pattern, Add	271.46	
08 33 26 00-0003	EA	6' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	1,953.73	229.55
		For Lexan Lattice Pattern, Add	194.76	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	300.81	
		For Staggered Brick Pattern, Add	367.64	
08 33 26 00-0004	EA	8' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,365.11	286.93
		For Lexan Lattice Pattern, Add	231.67	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	401.08	
		For Staggered Brick Pattern, Add	463.82	
08 33 26 00-0005	EA	12' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,648.63	286.93
		For Lexan Lattice Pattern, Add	274.20	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	436.11	
		For Staggered Brick Pattern, Add	656.17	
08 33 26 00-0006	EA	16' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	3,725.39	459.09
		For Lexan Lattice Pattern, Add	361.74	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	802.15	
		For Staggered Brick Pattern, Add	925.35	
08 33 26 00-0007	EA	20' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	4,631.53	573.86
		For Lexan Lattice Pattern, Add	449.28	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	1,002.69	
		For Staggered Brick Pattern, Add	1,194.52	
08 33 26 00-0008	EA	24' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	5,796.55	688.63
		For Lexan Lattice Pattern, Add	574.59	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	1,203.23	
		For Staggered Brick Pattern, Add	1,343.69	
08 33 26 00-0009	EA	30' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	7,067.17	841.66
		For Lexan Lattice Pattern, Add	700.51	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	1,393.61	
		For Staggered Brick Pattern, Add	1,465.47	
08 33 26 00-0010	EA	4' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	1,899.63	229.55
		For Lexan Lattice Pattern, Add	186.65	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	250.67	
		For Staggered Brick Pattern, Add	322.50	
08 33 26 00-0011	EA	6' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,160.18	229.55
		For Lexan Lattice Pattern, Add	225.73	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	376.00	
		For Staggered Brick Pattern, Add	457.97	
08 33 26 00-0012	EA	8' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,592.94	286.93
		For Lexan Lattice Pattern, Add	266.22	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	501.35	
		For Staggered Brick Pattern, Add	593.43	

08 Openings**08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 33 26 00-0013	EA	12' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,948.01	286.93
		For Lexan Lattice Pattern, Add	319.48	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	752.02	
		For Staggered Brick Pattern, Add	864.37	
08 33 26 00-0014	EA	16' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	4,120.03	459.09
		For Lexan Lattice Pattern, Add	420.94	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	1,002.69	
		For Staggered Brick Pattern, Add	1,191.85	
08 33 26 00-0015	EA	20' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	5,118.97	573.86
		For Lexan Lattice Pattern, Add	522.40	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	1,253.36	
		For Staggered Brick Pattern, Add	1,519.31	
08 33 26 00-0016	EA	24' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	6,385.47	688.63
		For Lexan Lattice Pattern, Add	662.93	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	1,504.22	
		For Staggered Brick Pattern, Add	1,759.48	
08 33 26 00-0017	EA	30' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	7,976.53	841.66
		For Lexan Lattice Pattern, Add	836.92	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	1,761.22	
		For Staggered Brick Pattern, Add	1,971.02	
08 33 26 00-0018	EA	4' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,062.81	229.55
		For Lexan Lattice Pattern, Add	211.12	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	300.81	
		For Staggered Brick Pattern, Add	372.80	
08 33 26 00-0019	EA	6' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,110.04	229.55
		For Lexan Lattice Pattern, Add	218.21	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	451.21	
		For Staggered Brick Pattern, Add	546.78	
08 33 26 00-0020	EA	8' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,579.61	286.93
		For Lexan Lattice Pattern, Add	263.85	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	601.60	
		For Staggered Brick Pattern, Add	720.76	
08 33 26 00-0021	EA	12' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	3,289.64	286.93
		For Lexan Lattice Pattern, Add	370.35	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	902.39	
		For Staggered Brick Pattern, Add	1,068.73	
08 33 26 00-0022	EA	16' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	4,677.89	459.09
		For Lexan Lattice Pattern, Add	504.62	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	1,203.21	
		For Staggered Brick Pattern, Add	1,485.85	
08 33 26 00-0023	EA	20' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	5,895.52	573.86
		For Lexan Lattice Pattern, Add	638.88	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	1,504.03	
		For Staggered Brick Pattern, Add	1,902.95	
08 33 26 00-0024	EA	24' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	7,140.15	688.63
		For Lexan Lattice Pattern, Add	776.13	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	1,804.84	
		For Staggered Brick Pattern, Add	2,012.11	
08 33 26 00-0025	EA	30' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	8,874.99	841.66
		For Lexan Lattice Pattern, Add	971.69	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	2,091.54	
		For Staggered Brick Pattern, Add	2,192.22	
08 33 26 00-0026	EA	4' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,354.66	229.55
		For Lexan Lattice Pattern, Add	254.90	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	350.81	
		For Staggered Brick Pattern, Add	689.53	
08 33 26 00-0027	EA	6' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,673.32	229.55
		For Lexan Lattice Pattern, Add	302.70	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	526.32	
		For Staggered Brick Pattern, Add	846.65	
08 33 26 00-0028	EA	8' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift	3,158.32	286.93
		For Lexan Lattice Pattern, Add	351.02	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	701.82	
		For Staggered Brick Pattern, Add	985.86	
08 33 26 00-0029	EA	12' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift	3,827.71	286.93
		For Lexan Lattice Pattern, Add	451.43	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	1,052.82	
		For Staggered Brick Pattern, Add	1,250.14	
08 33 26 00-0030	EA	16' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift	5,234.49	459.09
		For Lexan Lattice Pattern, Add	588.11	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	1,403.77	
		For Staggered Brick Pattern, Add	1,672.46	
08 33 26 00-0031	EA	20' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift	6,468.22	573.86
		For Lexan Lattice Pattern, Add	724.78	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	1,754.70	
		For Staggered Brick Pattern, Add	2,094.78	
08 33 26 00-0032	EA	24' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift	7,734.76	688.63
		For Lexan Lattice Pattern, Add	865.32	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	2,105.64	
		For Staggered Brick Pattern, Add	2,375.72	
08 33 26 00-0033	EA	30' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift	9,843.67	841.66
		For Lexan Lattice Pattern, Add	1,116.99	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	2,485.73	
		For Staggered Brick Pattern, Add	2,714.37	

08 33 26 00-0034 Coiling Grilles Accessories (08 33 26)

08 33 26 00-0035	LF	For Overhead Framed Rolling Grille Supports	102.49	
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 33 36 Side Coiling Grilles (08 33)

08 33 36 00-0001 Galvanized Steel Side Coiling Grilles (Width x Height) (08 33 36)

08 33 36 00-0002	EA	12' x 8', Galvanized Steel Side Coiling Grilles, Manually Operated	.....	3,408.89	641.85
		For Lexan Lattice Pattern, Add	.....	236.23	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	.....	601.61	
		For Staggered Brick Pattern, Add	.....	656.17	
08 33 36 00-0003	EA	18' x 8', Galvanized Steel Side Coiling Grilles, Manually Operated	.....	4,668.09	824.50
		For Lexan Lattice Pattern, Add	.....	346.85	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	.....	922.82	
		For Staggered Brick Pattern, Add	.....	1,050.97	
08 33 36 00-0004	EA	24' x 8', Galvanized Steel Side Coiling Grilles, Manually Operated	.....	6,007.40	1,039.61
		For Lexan Lattice Pattern, Add	.....	455.57	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	.....	1,203.23	
		For Staggered Brick Pattern, Add	.....	1,343.69	
08 33 36 00-0005	EA	30' x 8', Galvanized Steel Side Coiling Grilles, Manually Operated	.....	7,076.90	1,147.72
		For Lexan Lattice Pattern, Add	.....	569.46	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	.....	1,393.61	
		For Staggered Brick Pattern, Add	.....	1,465.47	
08 33 36 00-0006	EA	12' x 10', Galvanized Steel Side Coiling Grilles, Manually Operated	.....	4,058.00	731.81
		For Lexan Lattice Pattern, Add	.....	295.08	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	.....	752.02	
		For Staggered Brick Pattern, Add	.....	864.37	
08 33 36 00-0007	EA	18' x 10', Galvanized Steel Side Coiling Grilles, Manually Operated	.....	5,579.15	939.93
		For Lexan Lattice Pattern, Add	.....	433.82	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	.....	1,107.53	
		For Staggered Brick Pattern, Add	.....	1,312.53	
08 33 36 00-0008	EA	24' x 10', Galvanized Steel Side Coiling Grilles, Manually Operated	.....	7,113.56	1,184.78
		For Lexan Lattice Pattern, Add	.....	559.10	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	.....	1,504.22	
		For Staggered Brick Pattern, Add	.....	1,759.48	
08 33 36 00-0009	EA	30' x 10', Galvanized Steel Side Coiling Grilles, Manually Operated	.....	8,497.76	1,308.40
		For Lexan Lattice Pattern, Add	.....	711.61	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	.....	1,761.22	
		For Staggered Brick Pattern, Add	.....	1,971.02	
08 33 36 00-0010	EA	12' x 12', Galvanized Steel Side Coiling Grilles, Manually Operated	.....	4,717.10	824.50
		For Lexan Lattice Pattern, Add	.....	354.20	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	.....	902.39	
		For Staggered Brick Pattern, Add	.....	1,068.73	
08 33 36 00-0011	EA	18' x 12', Galvanized Steel Side Coiling Grilles, Manually Operated	.....	6,501.37	1,058.97
		For Lexan Lattice Pattern, Add	.....	519.76	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	.....	1,332.39	
		For Staggered Brick Pattern, Add	.....	1,629.53	
08 33 36 00-0012	EA	24' x 12', Galvanized Steel Side Coiling Grilles, Manually Operated	.....	8,351.03	1,335.19
		For Lexan Lattice Pattern, Add	.....	683.35	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	.....	1,804.84	
		For Staggered Brick Pattern, Add	.....	2,012.11	
08 33 36 00-0013	EA	30' x 12', Galvanized Steel Side Coiling Grilles, Manually Operated	.....	9,905.15	1,472.91
		For Lexan Lattice Pattern, Add	.....	854.18	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	.....	2,091.54	
		For Staggered Brick Pattern, Add	.....	2,192.22	
08 33 36 00-0014	EA	12' x 14', Galvanized Steel Side Coiling Grilles, Manually Operated	.....	5,363.55	911.62
		For Lexan Lattice Pattern, Add	.....	414.15	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	.....	1,052.82	
		For Staggered Brick Pattern, Add	.....	1,250.14	
08 33 36 00-0015	EA	18' x 14', Galvanized Steel Side Coiling Grilles, Manually Operated	.....	7,418.53	1,170.68
		For Lexan Lattice Pattern, Add	.....	606.73	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	.....	1,522.76	
		For Staggered Brick Pattern, Add	.....	1,810.52	
08 33 36 00-0016	EA	24' x 14', Galvanized Steel Side Coiling Grilles, Manually Operated	.....	9,519.04	1,475.97
		For Lexan Lattice Pattern, Add	.....	797.24	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	.....	2,105.64	
		For Staggered Brick Pattern, Add	.....	2,375.72	
08 33 36 00-0017	EA	30' x 14', Galvanized Steel Side Coiling Grilles, Manually Operated	.....	11,295.52	1,629.76
		For Lexan Lattice Pattern, Add	.....	996.03	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	.....	2,485.73	
		For Staggered Brick Pattern, Add	.....	2,714.37	

08 33 43 Overhead Coiling Smoke Curtains (08 33)

08 33 43 00-0001 Elevator Smoke Guard (08 33 43)

08 33 43 00-0002	EA	Elevator Smoke Guard, 55" Width Housing (Smoke Guard 400).....	15,533.14	641.85
08 33 43 00-0003	EA	Elevator Smoke Guard, 64" Width Housing (Smoke Guard 400).....	16,113.06	641.85
08 33 43 00-0004	EA	Elevator Smoke Guard, 73" Width Housing (Smoke Guard 400).....	16,692.99	641.85

08 34 Special Function Doors (08 30)

08 34 23 Sidewalk and Basement Doors (08 34)

08 34 23 00-0001 Drainage Doors (08 34 23)

08 34 23 00-0002 Single Leaf Aluminum Drainage Doors (08 34 23 00-0001)

Note: Bilco - J Series.

08 34 23 00-0003	EA	2' x 2' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	1,245.68	228.66
08 34 23 00-0004	EA	2'-6" x 2'-6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	1,519.08	238.93
08 34 23 00-0005	EA	3' x 2'-6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	1,610.21	244.06
08 34 23 00-0006	EA	3' x 3' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	1,769.66	249.20

08 Openings**08 30 Specialty Doors and Frames****08 34 Special Function Doors**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 34 23 00-0007	EA	3'-6" x 3'-6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,054.47	262.04
08 34 23 00-0008	EA	2'-6" x 4' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,091.02	256.00
08 34 23 00-0009	EA	3' x 4' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,320.02	262.04
08 34 23 00-0010	EA	2'-6" x 5' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,420.08	268.08
08 34 23 00-0011	EA	3' x 5' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,649.11	274.11
08 34 23 00-0012	EA	3' x 6' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	3,066.76	289.51

08 34 23 00-0013 Double Leaf Aluminum Drainage Doors (08 34 23 00-0001)

Note: Bilco - JD Series.

08 34 23 00-0014	EA	4' x 2'-6" Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,470.38	256.00
08 34 23 00-0015	EA	4' x 4' Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,596.00	274.11
08 34 23 00-0016	EA	4' x 6' Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	3,279.55	304.92
08 34 23 00-0017	EA	5' x 5' Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	3,370.59	304.92

08 34 23 00-0018 Single Leaf Aluminum H2O Drainage Doors (08 34 23 00-0001)

Note: Bilco - J H2O Series.

08 34 23 00-0019	EA	2' x 2' Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	1,951.30	228.66
08 34 23 00-0020	EA	2'-6" x 2'-6" Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	2,270.22	238.93
08 34 23 00-0021	EA	3' x 2' 6" Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	2,467.61	244.06
08 34 23 00-0022	EA	3' x 3' Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	2,786.41	249.20
08 34 23 00-0023	EA	3'-6" x 3'-6" Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	3,215.37	262.04

08 34 23 00-0024 Double Leaf Aluminum H2O Drainage Doors (08 34 23 00-0001)

Note: Bilco - JD H2O Series.

08 34 23 00-0025	EA	4' x 2'-6" Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	3,213.93	256.00
08 34 23 00-0026	EA	4' x 4' Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	4,280.37	274.11
08 34 23 00-0027	EA	4' x 6' Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	6,064.07	304.92
08 34 23 00-0028	EA	5' x 5' Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	5,715.05	304.92

08 34 23 00-0029 Single Leaf Steel Drainage Doors (08 34 23 00-0001)

Note: Bilco - J Series.

08 34 23 00-0030	EA	2' x 2' Single Leaf Steel Floor, Vault Or Sidewalk Door	1,968.36	228.66
08 34 23 00-0031	EA	2'-6" x 2'-6" Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	2,068.07	238.93
08 34 23 00-0032	EA	3' x 2'-6" Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	2,304.53	244.06
08 34 23 00-0033	EA	3' x 3' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	2,553.06	249.20
08 34 23 00-0034	EA	3'-6" x 3'-6" Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	2,969.67	262.04
08 34 23 00-0035	EA	2'-6" x 4' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	2,828.24	256.00
08 34 23 00-0036	EA	3' x 4' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	3,222.53	262.04
08 34 23 00-0037	EA	2'-6" x 5' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	3,207.46	268.08
08 34 23 00-0038	EA	3' x 5' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	3,577.69	274.11
08 34 23 00-0039	EA	3' x 6' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	3,817.54	289.51

08 34 23 00-0040 Double Leaf Steel Drainage Doors (08 34 23 00-0001)

Note: Bilco - JD Series.

08 34 23 00-0041	EA	4' x 2'-6" Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door	3,478.47	256.00
08 34 23 00-0042	EA	4' x 4' Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door	3,649.94	274.11
08 34 23 00-0043	EA	4' x 6' Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door	4,551.08	304.92
08 34 23 00-0044	EA	5' x 5' Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door	4,683.53	304.92

08 34 23 00-0045 Single Leaf Steel H2O Drainage Doors (08 34 23 00-0001)

Note: Bilco - J H2O Series.

08 34 23 00-0046	EA	2' x 2' Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	3,365.13	228.66
08 34 23 00-0047	EA	2'-6" x 2'-6" Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	3,561.18	238.93
08 34 23 00-0048	EA	3' x 2'-6" Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	3,689.30	244.06
08 34 23 00-0049	EA	3' x 3' Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	4,347.24	249.20
08 34 23 00-0050	EA	3'-6" x 3'-6" Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	5,125.08	262.04

08 34 23 00-0051 Double Leaf Steel H2O Drainage Doors (08 34 23 00-0001)

Note: Bilco - JD H2O Series.

08 34 23 00-0052	EA	4' x 2'-6" Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	5,645.87	256.00
08 34 23 00-0053	EA	4' x 4' Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	6,311.03	274.11
08 34 23 00-0054	EA	4' x 6' Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	9,379.58	304.92
08 34 23 00-0055	EA	5' x 5' Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	9,138.76	304.92

08 34 23 00-0056 Single Leaf Aluminum Drainage Door (08 34 23 00-0001)

Note: Bilco - J-R Series (Odor Resistant).

08 34 23 00-0057	EA	2' x 2' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant	3,194.24	228.66
08 34 23 00-0058	EA	2'-6" x 2'-6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant	3,836.71	238.93
08 34 23 00-0059	EA	3' x 2'-6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant	4,082.38	244.06
08 34 23 00-0060	EA	3' x 3' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant	4,332.67	249.20
08 34 23 00-0061	EA	3'-6" x 3'-6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant	4,928.62	262.04

08 34 23 00-0062 Non-Drainage Doors (08 34 23)**08 34 23 00-0063 Single Leaf Aluminum Non-Drainage Doors** (08 34 23 00-0062)

Note: Bilco - Q Series.

08 34 23 00-0064	EA	2' x 2' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	1,200.27	228.66
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 34 23 00-0065	EA		2' 6" x 2' 6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door.....	1,443.21	238.93
08 34 23 00-0066	EA		3' x 2' 6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	1,542.00	244.06
08 34 23 00-0067	EA		3' x 3' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	1,602.79	249.20
08 34 23 00-0068	EA		3'-6" x 3'-6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	2,001.36	262.04
08 34 23 00-0069	EA		2'-6" x 4' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	1,810.33	256.00
08 34 23 00-0070	EA		3' x 4' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	2,016.53	262.04
08 34 23 00-0071	EA		2'-6" x 5' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	2,253.01	268.08
08 34 23 00-0072	EA		3' x 5' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	2,383.65	274.11
08 34 23 00-0073	EA		3' x 6' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	2,702.92	289.51
08 34 23 00-0074 Single Leaf Aluminum Non-Drainage Doors (08 34 23 00-0062)					
Note: Bilco - K Series.					
08 34 23 00-0075	EA		2' x 2' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	995.41	228.66
08 34 23 00-0076	EA		2'-6" x 2'-6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	1,185.24	238.93
08 34 23 00-0077	EA		3' x 2'-6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	1,306.80	244.06
08 34 23 00-0078	EA		3' x 3' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	1,390.35	249.20
08 34 23 00-0079	EA		3'-6" x 3'-6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	1,606.82	262.04
08 34 23 00-0080 Double Leaf Aluminum Non-Drainage Doors (08 34 23 00-0062)					
Note: Bilco - QD Series.					
08 34 23 00-0081	EA		4' x 2'-6" Double Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	2,280.74	256.00
08 34 23 00-0082 Double Leaf Aluminum Non-Drainage Doors (08 34 23 00-0062)					
Note: Bilco - KD Series.					
08 34 23 00-0083	EA		4' x 4' Double Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	2,193.97	274.11
08 34 23 00-0084	EA		4' x 6' Double Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	3,059.65	304.92
08 34 23 00-0085	EA		5' x 5' Double Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	3,120.34	304.92
08 34 23 00-0086 Single Leaf Aluminum Non-Drainage Doors (08 34 23 00-0062)					
Note: Bilco - T Series.					
08 34 23 00-0087	EA		2' x 2' Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering	1,086.46	228.66
08 34 23 00-0088	EA		2'-6" x 2'-6" Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering	1,261.11	238.93
08 34 23 00-0089	EA		3' x 2'-6" Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering	1,344.74	244.06
08 34 23 00-0090	EA		3' x 3' Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering	1,466.22	249.20
08 34 23 00-0091	EA		3'-6" x 3'-6" Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering	1,705.45	262.04
08 34 23 00-0092 Double Leaf Aluminum Non-Drainage Doors (08 34 23 00-0062)					
Note: Bilco - TD Series.					
08 34 23 00-0093	EA		4' x 4' Double Leaf Aluminum Non-Drainage Door, Floor Installation For Covering	2,322.96	274.11
08 34 23 00-0094	EA		4' x 6' Double Leaf Aluminum Non-Drainage Door, Floor Installation For Covering	3,218.98	304.92
08 34 23 00-0095	EA		5' x 5' Double Leaf Aluminum Non-Drainage Door, Floor Installation For Covering	3,264.50	304.92
08 34 23 00-0096 Single Leaf Steel Non-Drainage Doors (08 34 23 00-0062)					
Note: Bilco - Q Series.					
08 34 23 00-0097	EA		2' x 2' Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door	1,342.33	228.66
08 34 23 00-0098	EA		2'-6" x 2'-6" Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door	1,502.14	238.93
08 34 23 00-0099	EA		3' x 2'-6" Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door	1,690.51	244.06
08 34 23 00-0100	EA		3' x 3' Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door	1,794.52	249.20
08 34 23 00-0101	EA		2'-6" x 4' Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door	2,047.38	249.20
08 34 23 00-0102 Double Leaf Steel Non-Drainage Doors (08 34 23 00-0062)					
Note: Bilco - QD Series.					
08 34 23 00-0103	EA		4' x 2'-6" Double Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	2,719.87	256.00
08 34 23 00-0104 Basement Doors (08 34 23)					
Note: 12 gauge primed steel, center opening, includes assembly and installation hardware.					
08 34 23 00-0105	EA		45-1/4" Wide x 65-1/4" Long, Sloped Wall Basement Door, Factory Primed Metal	1,834.76	288.87
08 34 23 00-0106	EA		30" High x 47" Wide x 58" Long, Basement Door	1,533.54	218.90
08 34 23 00-0107	EA		22" High x 51" Wide x 64" Long, Basement Door	1,594.08	240.72
08 34 23 00-0108	EA		19-1/2" High x 55" Wide x 72" Long, Basement Door	1,703.28	256.78
08 34 23 00-0109	EA		52" High x 51" Wide x 43-1/4" Long, Basement Door	1,885.44	288.87
08 34 49 Radiation Shielding Doors and Frames (08 34)					
08 34 49 13 Neutron Shielding Doors and Frames (08 34 49)					
08 34 49 13-0001 Lead Lined Doors And Frames (08 34 49 13)					
08 34 49 13-0002	SF		1/16" Thick Laminated Lead In Wood Door	142.00	12.84
08 34 49 13-0003	SF		1/8" Thick Laminated Lead In Wood Door	174.97	12.84
08 34 49 13-0004	LF		1/16" Thick Lead Lined Door Frame	154.97	12.84
08 34 49 13-0005	LF		1/8" Thick Lead Lined Door Frame	165.97	12.84
08 34 53 Security Doors and Frames (08 34)					
08 34 53 00-0001 Metal Security Doors (08 34 53)					
Note: Includes standard pitcher handle latch, pneumatic closure, hinges and baked enamel finish.					

08	08	Openings
	08 30	Specialty Doors and Frames
	08 34	Special Function Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 34 53 00-0002	EA		Up To 3' x 7' Steel Narrowline Security Door (Kane Screens S-501-28-O)..... Note: Top and bottom section are #12 mesh 0.028" stainless steel wire cloth with a bottom kick plate.	1,127.22	81.98
08 34 53 00-0003	EA		Up To 3' x 7' Steel Narrowline Security Door (Kane Screens S-503-28-O)..... Note: Top section is #12 mesh 0.028" stainless steel wire cloth and bottom section is a double kick panel.	1,127.22	81.98
08 34 53 00-0004	EA		Up To 3' x 7' Steel Narrowline Security Door (Kane Screens S-504-28-O)..... Note: Top section includes 1/8" tempered sash unit and #12 mesh 0.028" stainless steel wire cloth. Bottom section is a double kick panel.	1,608.87	81.98

08 34 56 Security Gates (08 34)

08 34 56 00-0001 Pivoting Double Folding Gate (08 34 56)

Note: Includes locking bar, solid steel casters and galvanized finish. Excludes padlock.

08 34 56 00-0002	EA		6' To 8' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,283.59	244.44
08 34 56 00-0003	EA		8' To 10' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,441.03	274.99
08 34 56 00-0004	EA		8' To 10' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,550.30	305.55
08 34 56 00-0005	EA		8' To 10' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,707.71	336.10
08 34 56 00-0006	EA		10' To 12' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,458.10	247.49
08 34 56 00-0007	EA		10' To 12' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,567.63	278.05
08 34 56 00-0008	EA		10' To 12' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,718.88	308.60
08 34 56 00-0009	EA		10' To 12' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,834.94	339.15
08 34 56 00-0010	EA		12' To 14' Width Opening, 6' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,536.43	250.54
08 34 56 00-0011	EA		12' To 14' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,645.62	281.10
08 34 56 00-0012	EA		12' To 14' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,736.48	296.37
08 34 56 00-0013	EA		12' To 14' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,827.67	311.66
08 34 56 00-0014	EA		12' To 14' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,949.01	342.21
08 34 56 00-0015	EA		14' To 16' Width Opening, 6' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,687.15	253.60
08 34 56 00-0016	EA		14' To 16' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,796.00	284.16
08 34 56 00-0017	EA		14' To 16' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,898.81	299.43
08 34 56 00-0018	EA		14' To 16' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	2,026.76	314.71
08 34 56 00-0019	EA		14' To 16' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate.....	2,207.68	345.26
08 34 56 00-0020	EA		16' To 18' Width Opening, 6' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,916.29	259.71
08 34 56 00-0021	EA		16' To 18' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	2,055.19	293.32
08 34 56 00-0022	EA		16' To 18' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate.....	2,212.20	311.66
08 34 56 00-0023	EA		16' To 18' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	2,304.08	320.82

08 34 56 00-0024 Pivoting Single Folding Gate (08 34 56)

Note: Includes locking bar, solid steel casters and galvanized finish. Excludes padlock.

08 34 56 00-0025	EA		5' To 6' Width Opening, 6' In Use Height, Pivoting Galvanized Single Folding Gate.....	872.03	171.10
08 34 56 00-0026	EA		5' To 6' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Single Folding Gate.....	932.42	177.21
08 34 56 00-0027	EA		5' To 6' Width Opening, 7' In Use Height, Pivoting Galvanized Single Folding Gate.....	992.80	183.32
08 34 56 00-0028	EA		5' To 6' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Single Folding Gate.....	1,065.43	195.55
08 34 56 00-0029	EA		5' To 6' Width Opening, 8' In Use Height, Pivoting Galvanized Single Folding Gate.....	1,113.95	207.77
08 34 56 00-0030	EA		6' To 7' Width Opening, 6' In Use Height, Pivoting Galvanized Single Folding Gate.....	932.24	177.21
08 34 56 00-0031	EA		6' To 7' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Single Folding Gate.....	992.88	183.32
08 34 56 00-0032	EA		6' To 7' Width Opening, 7' In Use Height, Pivoting Galvanized Single Folding Gate.....	1,053.27	189.44
08 34 56 00-0033	EA		6' To 7' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Single Folding Gate.....	1,125.83	201.66
08 34 56 00-0034	EA		6' To 7' Width Opening, 8' In Use Height, Pivoting Galvanized Single Folding Gate.....	1,174.64	213.88
08 34 56 00-0035	EA		7' To 8' Width Opening, 6' In Use Height, Pivoting Galvanized Single Folding Gate.....	1,016.69	183.32
08 34 56 00-0036	EA		7' To 8' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Single Folding Gate.....	1,077.36	189.44
08 34 56 00-0037	EA		7' To 8' Width Opening, 7' In Use Height, Pivoting Galvanized Single Folding Gate.....	1,137.65	195.55
08 34 56 00-0038	EA		7' To 8' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Single Folding Gate.....	1,210.42	207.77
08 34 56 00-0039	EA		7' To 8' Width Opening, 8' In Use Height, Pivoting Galvanized Single Folding Gate.....	1,283.30	219.99

08 34 56 00-0040 Window Gates, Expands From 2' To 4' (08 34 56)

Note: Includes padlock hasp and galvanized finish. Excludes padlock.

08 34 56 00-0041	EA		33" High Window Gate, Up To 4' Wide Opening.....	354.27	67.22
08 34 56 00-0042	EA		37" High Window Gate, Up To 4' Wide Opening.....	366.50	73.33
08 34 56 00-0043	EA		40" High Window Gate, Up To 4' Wide Opening.....	366.50	73.33
08 34 56 00-0044	EA		43" High Window Gate, Up To 4' Wide Opening.....	379.67	79.44
08 34 56 00-0045	EA		46" High Window Gate, Up To 4' Wide Opening.....	379.67	79.44
08 34 56 00-0046	EA		49" High Window Gate, Up To 4' Wide Opening.....	391.90	85.55
08 34 56 00-0047	EA		51" High Window Gate, Up To 4' Wide Opening.....	391.90	85.55
08 34 56 00-0048	EA		53" High Window Gate, Up To 4' Wide Opening.....	404.11	91.66
08 34 56 00-0049	EA		55" High Window Gate, Up To 4' Wide Opening.....	404.11	91.66
08 34 56 00-0050	EA		57" High Window Gate, Up To 4' Wide Opening.....	416.34	97.77
08 34 56 00-0051	EA		59" High Window Gate, Up To 4' Wide Opening.....	416.34	97.77

08 34 56 00-0052 Pivoting Door Gate, Expands From 2' To 4' (08 34 56)

Note: Includes padlock hasp and galvanized finish. Excludes padlock.

08 34 56 00-0053	EA		61" High Pivoting Door Gate, Up To 4' Wide Opening.....	428.56	103.89
08 34 56 00-0054	EA		63" High Pivoting Door Gate, Up To 4' Wide Opening.....	431.49	103.89
08 34 56 00-0055	EA		66" High Pivoting Door Gate, Up To 4' Wide Opening.....	447.62	110.00
08 34 56 00-0056	EA		71" High Pivoting Door Gate, Up To 4' Wide Opening.....	463.74	116.11
08 34 56 00-0057	EA		73" High Pivoting Door Gate, Up To 4' Wide Opening.....	467.64	116.11
08 34 56 00-0058	EA		76" High Pivoting Door Gate, Up To 4' Wide Opening.....	483.77	122.22
08 34 56 00-0059	EA		79" High Pivoting Door Gate, Up To 4' Wide Opening.....	487.67	122.22
08 34 56 00-0060	EA		81" High Pivoting Door Gate, Up To 4' Wide Opening.....	502.58	128.33
08 34 56 00-0061	EA		83" High Pivoting Door Gate, Up To 4' Wide Opening.....	507.68	128.33

08 34 73 Sound Control Door Assemblies (08 34)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 13 Metal Sound Control Door Assemblies (08 34 73)					
08 34 73 13-0001			Steel Acoustical Door Assembly (08 34 73 13) Note: Includes seal.		
08 34 73 13-0002			Steel Acoustical Doors (08 34 73 13-0001) Note: Includes hardware: cam lift hinges and seals. Excludes frame, hardware: locksets, closer, electromagnetic release, etc.		
08 34 73 13-0003	EA		3' x 7', 16 Gauge, STC 50, Steel Acoustical Door (Unrated) Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.	4,543.12	231.09
			For Accent Window Vision Lite, Add	1,615.86	
			For Half Window Vision Lite, Add	1,672.50	
			For Full Window Vision Lite, Add	1,729.15	
			For 8' Height, Add	548.60	
			For 45 Minutes Fire Rated, Add	230.99	
			For 60 Minutes Fire Rated, Add	346.48	
			For 90 Minutes Fire Rated, Add	577.47	
			For 120 Minutes Fire Rated, Add	808.46	
			For 45 STC Rating, Deduct	-966.31	
			For 48 STC Rating, Deduct	-692.97	
			For 52 STC Rating, Add	538.98	
			For 55 STC Rating, Add	1,462.94	
08 34 73 13-0004	EA		3'-6" x 7', 16 Gauge, STC 50, Steel Acoustical Door (Unrated) Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.	4,804.54	240.72
			For Accent Window Vision Lite, Add	1,615.86	
			For Half Window Vision Lite, Add	1,672.50	
			For Full Window Vision Lite, Add	1,729.15	
			For 8' Height, Add	581.74	
			For 45 Minutes Fire Rated, Add	244.94	
			For 60 Minutes Fire Rated, Add	367.41	
			For 90 Minutes Fire Rated, Add	612.36	
			For 120 Minutes Fire Rated, Add	857.30	
			For 45 STC Rating, Deduct	-1,024.67	
			For 48 STC Rating, Deduct	-734.83	
			For 52 STC Rating, Add	571.53	
			For 55 STC Rating, Add	1,551.30	
08 34 73 13-0005	EA		4' x 7', 16 Gauge, STC 50, Steel Acoustical Door (Unrated) Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.	5,094.86	259.99
			For Accent Window Vision Lite, Add	1,615.86	
			For Half Window Vision Lite, Add	1,672.50	
			For Full Window Vision Lite, Add	1,729.15	
			For 8' Height, Add	614.87	
			For 45 Minutes Fire Rated, Add	258.89	
			For 60 Minutes Fire Rated, Add	388.34	
			For 90 Minutes Fire Rated, Add	647.24	
			For 120 Minutes Fire Rated, Add	906.13	
			For 45 STC Rating, Deduct	-1,083.04	
			For 48 STC Rating, Deduct	-776.68	
			For 52 STC Rating, Add	604.09	
			For 55 STC Rating, Add	1,639.67	
08 34 73 13-0006	PR		Pair 3' x 7', 16 Gauge, STC 50, Steel Acoustical Doors (Unrated) Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.	9,016.93	439.09
			For Pair Accent Window Vision Lites, Add	3,231.71	
			For Pair Half Window Vision Lites, Add	3,345.00	
			For Pair Full Window Vision Lites, Add	3,458.29	
			For 8' Height, Add	1,097.20	
			For 45 Minutes Fire Rated, Add	461.98	
			For 60 Minutes Fire Rated, Add	692.97	
			For 90 Minutes Fire Rated, Add	1,154.95	
			For 120 Minutes Fire Rated, Add	1,616.93	
			For 45 STC Rating, Deduct	-1,932.62	
			For 48 STC Rating, Deduct	-1,385.94	
			For 52 STC Rating, Add	1,077.95	
			For 55 STC Rating, Add	2,925.87	
08 34 73 13-0007	PR		Pair 3'-6" x 7', 16 Gauge, STC 50, Steel Acoustical Door (Unrated) Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.	9,493.56	442.93
			For Pair Accent Window Vision Lites, Add	3,231.71	
			For Pair Half Window Vision Lites, Add	3,345.00	
			For Pair Full Window Vision Lites, Add	3,458.29	
			For 8' Height, Add	1,163.48	
			For 45 Minutes Fire Rated, Add	489.89	
			For 60 Minutes Fire Rated, Add	734.83	
			For 90 Minutes Fire Rated, Add	1,224.71	
			For 120 Minutes Fire Rated, Add	1,714.60	
			For 45 STC Rating, Deduct	-2,049.35	
			For 48 STC Rating, Deduct	-1,469.66	
			For 52 STC Rating, Add	1,143.07	
			For 55 STC Rating, Add	3,102.61	
08 34 73 13-0008	EA		3' x 7', 14 Gauge, STC 50, Steel Acoustical Door (Unrated) Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.	5,097.52	145.08
			For Accent Window Vision Lite, Add	1,615.86	
			For Half Window Vision Lite, Add	1,672.50	
			For Full Window Vision Lite, Add	1,729.15	
			For 8' Height, Add	622.66	
			For 45 Minutes Fire Rated, Add	262.17	
			For 60 Minutes Fire Rated, Add	393.26	
			For 90 Minutes Fire Rated, Add	655.43	
			For 120 Minutes Fire Rated, Add	917.61	
			For 45 STC Rating, Deduct	-1,096.76	
			For 48 STC Rating, Deduct	-786.52	
			For 52 STC Rating, Add	611.74	
			For 55 STC Rating, Add	1,660.43	

08 Openings**08 30 Specialty Doors and Frames****08 34 Special Function Doors**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 34 73 13-0009	EA	3'-6" x 7', 14 Gauge, STC 50, Steel Acoustical Door (Unrated)	5,390.98	252.92
		Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
		For Accent Window Vision Lite, Add	1,615.86	
		For Half Window Vision Lite, Add	1,672.50	
		For Full Window Vision Lite, Add	1,729.15	
		For 8' Height, Add	660.27	
		For 45 Minutes Fire Rated, Add	278.01	
		For 60 Minutes Fire Rated, Add	417.01	
		For 90 Minutes Fire Rated, Add	695.02	
		For 120 Minutes Fire Rated, Add	973.03	
		For 45 STC Rating, Deduct	-1,163.01	
		For 48 STC Rating, Deduct	-834.03	
		For 52 STC Rating, Add	648.69	
		For 55 STC Rating, Add	1,760.73	
08 34 73 13-0010	EA	4' x 7', 14 Gauge, STC 50, Steel Acoustical Door (Unrated)	5,716.55	273.47
		Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
		For Accent Window Vision Lite, Add	1,615.86	
		For Half Window Vision Lite, Add	1,672.50	
		For Full Window Vision Lite, Add	1,729.15	
		For 8' Height, Add	697.88	
		For 45 Minutes Fire Rated, Add	293.85	
		For 60 Minutes Fire Rated, Add	440.77	
		For 90 Minutes Fire Rated, Add	734.61	
		For 120 Minutes Fire Rated, Add	1,028.46	
		For 45 STC Rating, Deduct	-1,229.25	
		For 48 STC Rating, Deduct	-881.54	
		For 52 STC Rating, Add	685.64	
		For 55 STC Rating, Add	1,861.02	
08 34 73 13-0011	PR	Pair 3' x 7', 14 Gauge, STC 50, Steel Acoustical Doors (Unrated)	9,602.13	460.91
		Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
		For Pair Accent Window Vision Lites, Add	3,231.71	
		For Pair Half Window Vision Lites, Add	3,345.00	
		For Pair Full Window Vision Lites, Add	3,458.29	
		For 8' Height, Add	1,171.26	
		For 45 Minutes Fire Rated, Add	493.16	
		For 60 Minutes Fire Rated, Add	739.75	
		For 90 Minutes Fire Rated, Add	1,232.91	
		For 120 Minutes Fire Rated, Add	1,726.07	
		For 45 STC Rating, Deduct	-2,063.07	
		For 48 STC Rating, Deduct	-1,479.49	
		For 52 STC Rating, Add	1,150.72	
		For 55 STC Rating, Add	3,123.37	
08 34 73 13-0012	PR	Pair 3'-6" x 7', 14 Gauge, STC 50, Steel Acoustical Door (Unrated)	10,111.44	464.76
		Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
		For Pair Accent Window Vision Lites, Add	3,231.71	
		For Pair Half Window Vision Lites, Add	3,345.00	
		For Pair Full Window Vision Lites, Add	3,458.29	
		For 8' Height, Add	1,242.01	
		For 45 Minutes Fire Rated, Add	522.95	
		For 60 Minutes Fire Rated, Add	784.43	
		For 90 Minutes Fire Rated, Add	1,307.38	
		For 120 Minutes Fire Rated, Add	1,830.33	
		For 45 STC Rating, Deduct	-2,187.68	
		For 48 STC Rating, Deduct	-1,568.86	
		For 52 STC Rating, Add	1,220.22	
		For 55 STC Rating, Add	3,312.03	

08 34 73 13-0013 Steel Acoustical Door Frames (08 34 73 13-0001)

Note: Includes threshold and rating up to STC 55.

08 34 73 13-0014	EA	3' x 7', 4-1/2" To 6-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	3,228.91	128.39
		For 8' Height, Add	312.27	
		For 45 Minutes Fire Rated, Add	190.08	
		For 60 Minutes Fire Rated, Add	325.84	
		For 90 Minutes Fire Rated, Add	461.61	
		For 120 Minutes Fire Rated, Add	651.69	
08 34 73 13-0015	EA	3' x 7', 6-1/2" To 8-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	3,305.82	128.39
		For 8' Height, Add	321.11	
		For 45 Minutes Fire Rated, Add	195.46	
		For 60 Minutes Fire Rated, Add	335.07	
		For 90 Minutes Fire Rated, Add	474.69	
		For 120 Minutes Fire Rated, Add	670.14	
08 34 73 13-0016	EA	3' x 7', 8-1/2" To 10-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	3,382.74	128.39
		For 8' Height, Add	329.96	
		For 45 Minutes Fire Rated, Add	200.84	
		For 60 Minutes Fire Rated, Add	344.30	
		For 90 Minutes Fire Rated, Add	487.76	
		For 120 Minutes Fire Rated, Add	688.61	
08 34 73 13-0017	EA	3' x 7', 10-1/2" To 12-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	3,459.66	128.39
		For 8' Height, Add	338.80	
		For 45 Minutes Fire Rated, Add	206.23	
		For 60 Minutes Fire Rated, Add	353.53	
		For 90 Minutes Fire Rated, Add	500.84	
		For 120 Minutes Fire Rated, Add	707.07	
08 34 73 13-0018	EA	3'-6" x 7', 4-1/2" To 6-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	3,680.94	141.23
		For 8' Height, Add	358.34	
		For 45 Minutes Fire Rated, Add	218.12	
		For 60 Minutes Fire Rated, Add	373.92	
		For 90 Minutes Fire Rated, Add	529.73	
		For 120 Minutes Fire Rated, Add	747.85	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 13-0019	EA		3'-6" x 7', 6-1/2" To 8-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	3,766.80	141.23
			For 8' Height, Add	368.22	
			For 45 Minutes Fire Rated, Add	224.13	
			For 60 Minutes Fire Rated, Add	384.23	
			For 90 Minutes Fire Rated, Add	544.32	
			For 120 Minutes Fire Rated, Add	768.46	
08 34 73 13-0020	EA		3'-6" x 7', 8-1/2" To 10-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame.....	3,843.72	141.23
			For 8' Height, Add	377.06	
			For 45 Minutes Fire Rated, Add	229.52	
			For 60 Minutes Fire Rated, Add	393.46	
			For 90 Minutes Fire Rated, Add	557.40	
			For 120 Minutes Fire Rated, Add	786.92	
08 34 73 13-0021	EA		3'-6" x 7', 10-1/2" To 12-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	3,939.12	141.23
			For 8' Height, Add	388.04	
			For 45 Minutes Fire Rated, Add	236.20	
			For 60 Minutes Fire Rated, Add	404.91	
			For 90 Minutes Fire Rated, Add	573.62	
			For 120 Minutes Fire Rated, Add	809.81	
08 34 73 13-0022	EA		4' x 7', 4-1/2" To 6-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	4,126.99	147.64
			For 8' Height, Add	406.69	
			For 45 Minutes Fire Rated, Add	247.55	
			For 60 Minutes Fire Rated, Add	424.37	
			For 90 Minutes Fire Rated, Add	601.19	
			For 120 Minutes Fire Rated, Add	848.74	
08 34 73 13-0023	EA		4' x 7', 6-1/2" To 8-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	4,203.91	147.64
			For 8' Height, Add	415.53	
			For 45 Minutes Fire Rated, Add	252.93	
			For 60 Minutes Fire Rated, Add	433.60	
			For 90 Minutes Fire Rated, Add	614.26	
			For 120 Minutes Fire Rated, Add	867.20	
08 34 73 13-0024	EA		4' x 7', 8-1/2" To 10-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	4,280.83	147.64
			For 8' Height, Add	424.38	
			For 45 Minutes Fire Rated, Add	258.32	
			For 60 Minutes Fire Rated, Add	442.83	
			For 90 Minutes Fire Rated, Add	627.34	
			For 120 Minutes Fire Rated, Add	885.66	
08 34 73 13-0025	EA		4' x 7', 10-1/2" To 12-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	4,366.69	147.64
			For 8' Height, Add	434.25	
			For 45 Minutes Fire Rated, Add	264.33	
			For 60 Minutes Fire Rated, Add	453.13	
			For 90 Minutes Fire Rated, Add	641.94	
			For 120 Minutes Fire Rated, Add	906.26	
08 34 73 13-0026	EA		6' x 7', 4-1/2" To 6-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	7,103.62	166.90
			For 8' Height, Add	740.14	
			For 45 Minutes Fire Rated, Add	450.52	
			For 60 Minutes Fire Rated, Add	772.32	
			For 90 Minutes Fire Rated, Add	1,094.12	
			For 120 Minutes Fire Rated, Add	1,544.64	
08 34 73 13-0027	EA		6' x 7', 6-1/2" To 8-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	7,176.96	166.90
			For 8' Height, Add	748.57	
			For 45 Minutes Fire Rated, Add	455.65	
			For 60 Minutes Fire Rated, Add	781.12	
			For 90 Minutes Fire Rated, Add	1,106.59	
			For 120 Minutes Fire Rated, Add	1,562.24	
08 34 73 13-0028	EA		6' x 7', 8-1/2" To 10-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	7,255.67	166.90
			For 8' Height, Add	757.63	
			For 45 Minutes Fire Rated, Add	461.16	
			For 60 Minutes Fire Rated, Add	790.57	
			For 90 Minutes Fire Rated, Add	1,119.97	
			For 120 Minutes Fire Rated, Add	1,581.13	
08 34 73 13-0029	EA		6' x 7', 10-1/2" To 12-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	7,336.16	166.90
			For 8' Height, Add	766.88	
			For 45 Minutes Fire Rated, Add	466.80	
			For 60 Minutes Fire Rated, Add	800.22	
			For 90 Minutes Fire Rated, Add	1,133.65	
			For 120 Minutes Fire Rated, Add	1,600.45	
08 34 73 13-0030	EA		7' x 7', 4-1/2" To 6-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	7,611.99	173.32
			For 8' Height, Add	795.65	
			For 45 Minutes Fire Rated, Add	484.31	
			For 60 Minutes Fire Rated, Add	830.24	
			For 90 Minutes Fire Rated, Add	1,176.18	
			For 120 Minutes Fire Rated, Add	1,660.49	
08 34 73 13-0031	EA		7' x 7', 6-1/2" To 8-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	7,690.83	173.32
			For 8' Height, Add	804.72	
			For 45 Minutes Fire Rated, Add	489.83	
			For 60 Minutes Fire Rated, Add	839.70	
			For 90 Minutes Fire Rated, Add	1,189.58	
			For 120 Minutes Fire Rated, Add	1,679.41	
08 34 73 13-0032	EA		7' x 7', 8-1/2" To 10-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	7,775.44	173.32
			For 8' Height, Add	814.45	
			For 45 Minutes Fire Rated, Add	495.75	
			For 60 Minutes Fire Rated, Add	849.86	
			For 90 Minutes Fire Rated, Add	1,203.97	
			For 120 Minutes Fire Rated, Add	1,699.72	

08 Openings**08 30 Specialty Doors and Frames****08 34 Special Function Doors**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 34 73 13-0033	EA	7' x 7', 10-1/2" To 12-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	7,861.97	173.32
		For 8' Height, Add	824.40	
		For 45 Minutes Fire Rated, Add	501.81	
		For 60 Minutes Fire Rated, Add	860.24	
		For 90 Minutes Fire Rated, Add	1,218.68	
		For 120 Minutes Fire Rated, Add	1,720.48	
08 34 73 13-0034	EA	3' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	3,530.61	128.39
		For 8' Height, Add	346.96	
		For 45 Minutes Fire Rated, Add	211.19	
		For 60 Minutes Fire Rated, Add	362.05	
		For 90 Minutes Fire Rated, Add	512.90	
		For 120 Minutes Fire Rated, Add	724.09	
08 34 73 13-0035	EA	3' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	3,616.07	128.39
		For 8' Height, Add	356.79	
		For 45 Minutes Fire Rated, Add	217.18	
		For 60 Minutes Fire Rated, Add	372.30	
		For 90 Minutes Fire Rated, Add	527.43	
		For 120 Minutes Fire Rated, Add	744.60	
08 34 73 13-0036	EA	3' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	3,701.54	128.39
		For 8' Height, Add	366.62	
		For 45 Minutes Fire Rated, Add	223.16	
		For 60 Minutes Fire Rated, Add	362.56	
		For 90 Minutes Fire Rated, Add	541.96	
		For 120 Minutes Fire Rated, Add	765.12	
08 34 73 13-0037	EA	3' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	3,787.00	128.39
		For 8' Height, Add	376.45	
		For 45 Minutes Fire Rated, Add	229.14	
		For 60 Minutes Fire Rated, Add	392.81	
		For 90 Minutes Fire Rated, Add	556.49	
		For 120 Minutes Fire Rated, Add	785.63	
08 34 73 13-0038	EA	3'-6" x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	4,027.17	141.23
		For 8' Height, Add	398.16	
		For 45 Minutes Fire Rated, Add	242.36	
		For 60 Minutes Fire Rated, Add	415.47	
		For 90 Minutes Fire Rated, Add	588.59	
		For 120 Minutes Fire Rated, Add	830.94	
08 34 73 13-0039	EA	3'-6" x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	4,122.57	141.23
		For 8' Height, Add	409.13	
		For 45 Minutes Fire Rated, Add	249.04	
		For 60 Minutes Fire Rated, Add	426.92	
		For 90 Minutes Fire Rated, Add	604.80	
		For 120 Minutes Fire Rated, Add	853.84	
08 34 73 13-0040	EA	3'-6" x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	4,208.03	141.23
		For 8' Height, Add	418.96	
		For 45 Minutes Fire Rated, Add	255.02	
		For 60 Minutes Fire Rated, Add	437.18	
		For 90 Minutes Fire Rated, Add	619.33	
		For 120 Minutes Fire Rated, Add	874.35	
08 34 73 13-0041	EA	3'-6" x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	4,314.03	141.23
		For 8' Height, Add	431.15	
		For 45 Minutes Fire Rated, Add	262.44	
		For 60 Minutes Fire Rated, Add	449.90	
		For 90 Minutes Fire Rated, Add	637.35	
		For 120 Minutes Fire Rated, Add	899.79	
08 34 73 13-0042	EA	4' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	4,519.92	147.64
		For 8' Height, Add	451.87	
		For 45 Minutes Fire Rated, Add	275.05	
		For 60 Minutes Fire Rated, Add	471.52	
		For 90 Minutes Fire Rated, Add	667.99	
		For 120 Minutes Fire Rated, Add	943.04	
08 34 73 13-0043	EA	4' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	4,605.39	147.64
		For 8' Height, Add	461.70	
		For 45 Minutes Fire Rated, Add	281.04	
		For 60 Minutes Fire Rated, Add	481.78	
		For 90 Minutes Fire Rated, Add	682.52	
		For 120 Minutes Fire Rated, Add	963.55	
08 34 73 13-0044	EA	4' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	4,690.85	147.64
		For 8' Height, Add	471.53	
		For 45 Minutes Fire Rated, Add	287.02	
		For 60 Minutes Fire Rated, Add	492.03	
		For 90 Minutes Fire Rated, Add	697.04	
		For 120 Minutes Fire Rated, Add	984.06	
08 34 73 13-0045	EA	4' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	4,786.25	147.64
		For 8' Height, Add	482.50	
		For 45 Minutes Fire Rated, Add	293.70	
		For 60 Minutes Fire Rated, Add	503.48	
		For 90 Minutes Fire Rated, Add	713.26	
		For 120 Minutes Fire Rated, Add	1,006.96	
08 34 73 13-0046	EA	6' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	7,818.73	166.90
		For 8' Height, Add	822.38	
		For 45 Minutes Fire Rated, Add	500.58	
		For 60 Minutes Fire Rated, Add	858.13	
		For 90 Minutes Fire Rated, Add	1,215.69	
		For 120 Minutes Fire Rated, Add	1,716.27	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 13-0047	EA		6' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	7,900.22	166.90
			For 8' Height, Add	831.75	
			For 45 Minutes Fire Rated, Add	506.28	
			For 60 Minutes Fire Rated, Add	867.91	
			For 90 Minutes Fire Rated, Add	1,229.54	
			For 120 Minutes Fire Rated, Add	1,735.82	
08 34 73 13-0048	EA		6' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	7,987.67	166.90
			For 8' Height, Add	841.81	
			For 45 Minutes Fire Rated, Add	512.40	
			For 60 Minutes Fire Rated, Add	878.41	
			For 90 Minutes Fire Rated, Add	1,244.41	
			For 120 Minutes Fire Rated, Add	1,756.81	
08 34 73 13-0049	EA		6' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	8,077.11	166.90
			For 8' Height, Add	852.09	
			For 45 Minutes Fire Rated, Add	518.66	
			For 60 Minutes Fire Rated, Add	889.14	
			For 90 Minutes Fire Rated, Add	1,259.61	
			For 120 Minutes Fire Rated, Add	1,778.28	
08 34 73 13-0050	EA		7' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	8,380.73	173.32
			For 8' Height, Add	884.06	
			For 45 Minutes Fire Rated, Add	538.12	
			For 60 Minutes Fire Rated, Add	922.49	
			For 90 Minutes Fire Rated, Add	1,306.86	
			For 120 Minutes Fire Rated, Add	1,844.99	
08 34 73 13-0051	EA		7' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	8,468.33	173.32
			For 8' Height, Add	894.13	
			For 45 Minutes Fire Rated, Add	544.25	
			For 60 Minutes Fire Rated, Add	933.00	
			For 90 Minutes Fire Rated, Add	1,321.76	
			For 120 Minutes Fire Rated, Add	1,866.01	
08 34 73 13-0052	EA		7' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	8,562.34	173.32
			For 8' Height, Add	904.94	
			For 45 Minutes Fire Rated, Add	550.83	
			For 60 Minutes Fire Rated, Add	944.29	
			For 90 Minutes Fire Rated, Add	1,337.74	
			For 120 Minutes Fire Rated, Add	1,888.57	
08 34 73 13-0053	EA		7' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	8,658.49	173.32
			For 8' Height, Add	916.00	
			For 45 Minutes Fire Rated, Add	557.56	
			For 60 Minutes Fire Rated, Add	955.82	
			For 90 Minutes Fire Rated, Add	1,354.08	
			For 120 Minutes Fire Rated, Add	1,911.65	

08 34 73 16 Wood Sound Control Door Assemblies (08 34 73)

08 34 73 16-0001			Wood Acoustical Door Assembly (08 34 73 16) Note: Includes prefinished wood door, frame, hinges and seals. Excludes hardware: locksets, closer, electromagnetic release, etc.		
08 34 73 16-0002	EA		3' x 7' x 1-3/4" Thick, STC 27, Wood Acoustical Door System (Unrated)	2,654.02	359.48
			Note: Includes the prefinished door, frame, hinges and seals.		
			For 20 Minutes Fire Rated, Add	50.00	
			For 45 Minutes Fire Rated, Add	80.00	
			For 60 Minutes Fire Rated, Add	115.00	
			For 90 Minutes Fire Rated, Add	145.00	
08 34 73 16-0003	EA		3' x 7' x 1-3/4" Thick, STC 29, Wood Acoustical Door System (Unrated)	2,854.20	359.48
			Note: Includes the prefinished door, frame, hinges and seals.		
			For 20 Minutes Fire Rated, Add	50.00	
			For 45 Minutes Fire Rated, Add	80.00	
			For 60 Minutes Fire Rated, Add	115.00	
			For 90 Minutes Fire Rated, Add	145.00	
08 34 73 16-0004	EA		3' x 7' x 1-3/4" Thick, STC 30, Wood Acoustical Door System (Unrated)	2,965.41	359.48
			Note: Includes the prefinished door, frame, hinges and seals.		
			For 20 Minutes Fire Rated, Add	50.00	
			For 45 Minutes Fire Rated, Add	80.00	
			For 60 Minutes Fire Rated, Add	115.00	
			For 90 Minutes Fire Rated, Add	145.00	
08 34 73 16-0005	EA		3' x 7' x 1-3/4" Thick, STC 31, Wood Acoustical Door System (Unrated)	3,076.62	359.48
			Note: Includes the prefinished door, frame, hinges and seals.		
			For 20 Minutes Fire Rated, Add	50.00	
			For 45 Minutes Fire Rated, Add	80.00	
			For 60 Minutes Fire Rated, Add	115.00	
			For 90 Minutes Fire Rated, Add	145.00	
08 34 73 16-0006	EA		3' x 7' x 1-3/4" Thick, STC 36, Wood Acoustical Door System (Unrated)	3,565.95	359.48
			Note: Includes the prefinished door, frame, hinges and seals.		
			For 20 Minutes Fire Rated, Add	50.00	
			For 45 Minutes Fire Rated, Add	80.00	
			For 60 Minutes Fire Rated, Add	115.00	
			For 90 Minutes Fire Rated, Add	145.00	
08 34 73 16-0007	EA		3' x 7' x 1-3/4" Thick, STC 40, Wood Acoustical Door System (Unrated)	4,633.56	359.48
			Note: Includes the prefinished door, frame, hinges and seals.		

08 Openings**08 30 Specialty Doors and Frames****08 34 Special Function Doors**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 34 73 16-0008	EA	3' x 7' x 1-3/4" Thick, STC 42, Wood Acoustical Door System (Unrated)	4,840.41	359.48
		Note: Includes the prefinished door, frame, hinges and seals.		
		For 20 Minutes Fire Rated, Add	50.00	
		For 45 Minutes Fire Rated, Add	80.00	
		For 60 Minutes Fire Rated, Add	115.00	
		For 90 Minutes Fire Rated, Add	145.00	
08 34 73 16-0009	EA	3' x 7' x 1-3/4" Thick, STC 46, Wood Acoustical Door System (Unrated)	5,667.81	359.48
		Note: Includes the prefinished door, frame, hinges and seals.		
		For 20 Minutes Fire Rated, Add	50.00	
		For 45 Minutes Fire Rated, Add	80.00	
		For 60 Minutes Fire Rated, Add	115.00	
		For 90 Minutes Fire Rated, Add	145.00	
08 34 73 16-0010	EA	3' x 7' x 1-3/4" Thick, STC 49, Wood Acoustical Door System (Unrated)	6,285.03	359.48
		Note: Includes the prefinished door, frame, hinges and seals.		

08 36 Panel Doors

(08 30)

08 36 13**Sectional Doors**

(08 36)

Note: Excludes lifting equipment (forklift or scissor lift) where required. See CSI section 01 22 23 00-1077 for forklift.

08 36 13 00-0001		Sectional Wood Overhead Doors (Width x Height) (08 36 13)		
08 36 13 00-0002		Wood Sectional Overhead Doors (08 36 13 00-0001)		
		Note: Includes 1-3/4" door, tracks and hardware. Excludes frame.		
08 36 13 00-0003	EA	8' x 8', Wood Sectional Door, Manual Lift	2,920.06	513.55
08 36 13 00-0004	EA	10' x 10', Wood Sectional Door, Manual Lift	3,595.95	570.04
08 36 13 00-0005	EA	12' x 12', Wood Sectional Door, Manual Lift	4,564.95	683.02
08 36 13 00-0006	EA	14' x 14', Wood Sectional Door, Manual Lift	6,477.73	790.87
08 36 13 00-0007	EA	12' x 16', Wood Sectional Door, Manual Lift	7,054.98	1,027.10
08 36 13 00-0008	EA	20' x 8', Wood Sectional Door, Manual Lift	6,877.83	1,283.88
08 36 13 00-0009	EA	20' x 16', Wood Sectional Door, Manual Lift	12,228.62	1,711.40
08 36 13 00-0010		Residential Grade, Wood Sectional Overhead Doors (08 36 13 00-0001)		
		Note: Includes 1-3/4" door, tracks and hardware. Excludes frame.		
08 36 13 00-0011	EA	9' x 7', Residential Grade, Wood Sectional Door, Manual Lift	1,503.08	256.78
		For Hardboard Face, Add	115.00	
		For Insulation, Add	117.00	
		For Motor Operator With Remote Controls, Add	488.20	
		For Each Glass Vision Panel In Door, Add	50.00	
08 36 13 00-0012	EA	16' x 7', Residential Grade, Wood Sectional Door, Manual Lift	2,312.68	256.78
		For Hardboard Face, Add	115.00	
		For Insulation, Add	117.00	
		For Motor Operator With Remote Controls, Add	526.37	
		For Each Glass Vision Panel In Door, Add	50.00	
08 36 13 00-0013		Sectional Metal Overhead Doors (Width x Height) (08 36 13)		
		Note: Includes tracks and all hardware.		
08 36 13 00-0014		Galvanized Steel Sectional Overhead Doors (08 36 13 00-0013)		
08 36 13 00-0015		Non-Insulated, 24 Gauge Galvanized Steel Sectional Doors (08 36 13 00-0014)		
		Note: Includes 2" door, tracks and hardware. Excludes frame.		
08 36 13 00-0016	EA	8' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	1,997.79	449.35
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	159.37	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	274.77	
		For Aluminum, Mill Finish, Add	125.30	
		For Aluminum, Anodized Finish, Add	350.61	
08 36 13 00-0017	EA	8' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,353.95	513.55
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	192.39	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	331.71	
		For Aluminum, Mill Finish, Add	151.26	
		For Aluminum, Anodized Finish, Add	423.27	
08 36 13 00-0018	EA	8' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,906.14	641.93
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	235.23	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	405.57	
		For Aluminum, Mill Finish, Add	184.94	
		For Aluminum, Anodized Finish, Add	517.50	
08 36 13 00-0019	EA	10' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,252.51	513.55
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	177.68	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	306.35	
		For Aluminum, Mill Finish, Add	139.70	
		For Aluminum, Anodized Finish, Add	390.91	
08 36 13 00-0020	EA	10' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,776.23	641.93
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	216.39	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	373.09	
		For Aluminum, Mill Finish, Add	170.13	
		For Aluminum, Anodized Finish, Add	476.06	
08 36 13 00-0021	EA	10' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,494.17	834.52
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	264.65	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	456.29	
		For Aluminum, Mill Finish, Add	208.07	
		For Aluminum, Anodized Finish, Add	582.22	
08 36 13 00-0022	EA	10' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,132.05	1,027.10
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	301.29	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	519.46	
		For Aluminum, Mill Finish, Add	236.87	
		For Aluminum, Anodized Finish, Add	662.83	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0023	EA	12' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,690.83	641.93	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	204.01		
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	351.74		
		For Aluminum, Mill Finish, Add	160.39		
		For Aluminum, Anodized Finish, Add	448.82		
08 36 13 00-0024	EA	12' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,366.05	834.52	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	246.07		
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	424.26		
		For Aluminum, Mill Finish, Add	193.46		
		For Aluminum, Anodized Finish, Add	541.35		
08 36 13 00-0025	EA	12' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,108.89	1,027.10	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	297.93		
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	513.67		
		For Aluminum, Mill Finish, Add	234.23		
		For Aluminum, Anodized Finish, Add	655.45		
08 36 13 00-0026	EA	12' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,848.21	1,219.68	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	349.28		
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	602.21		
		For Aluminum, Mill Finish, Add	274.61		
		For Aluminum, Anodized Finish, Add	768.42		
08 36 13 00-0027	EA	12' x 16', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,787.07	1,476.45	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	410.95		
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	708.54		
		For Aluminum, Mill Finish, Add	323.10		
		For Aluminum, Anodized Finish, Add	904.10		
08 36 13 00-0028	EA	14' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,196.99	834.52	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	221.55		
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	381.99		
		For Aluminum, Mill Finish, Add	174.19		
		For Aluminum, Anodized Finish, Add	487.42		
08 36 13 00-0029	EA	14' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,932.73	1,027.10	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	272.39		
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	469.63		
		For Aluminum, Mill Finish, Add	214.15		
		For Aluminum, Anodized Finish, Add	599.25		
08 36 13 00-0030	EA	14' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,853.79	1,283.88	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	331.48		
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	571.51		
		For Aluminum, Mill Finish, Add	260.61		
		For Aluminum, Anodized Finish, Add	729.25		
08 36 13 00-0031	EA	14' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,596.65	1,476.45	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	383.34		
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	660.94		
		For Aluminum, Mill Finish, Add	301.39		
		For Aluminum, Anodized Finish, Add	843.36		
08 36 13 00-0032	EA	14' x 16', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,433.83	1,669.03	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	448.89		
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	773.94		
		For Aluminum, Mill Finish, Add	352.92		
		For Aluminum, Anodized Finish, Add	987.55		
08 36 13 00-0033	EA	16' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,870.43	1,027.10	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	263.35		
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	454.06		
		For Aluminum, Mill Finish, Add	207.05		
		For Aluminum, Anodized Finish, Add	579.38		
08 36 13 00-0034	EA	16' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,787.94	1,283.88	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	321.93		
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	555.05		
		For Aluminum, Mill Finish, Add	253.10		
		For Aluminum, Anodized Finish, Add	708.24		
08 36 13 00-0035	EA	16' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,630.45	1,476.45	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	388.24		
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	669.39		
		For Aluminum, Mill Finish, Add	305.24		
		For Aluminum, Anodized Finish, Add	854.14		
08 36 13 00-0036	EA	16' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,700.76	1,669.03	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	487.59		
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	840.67		
		For Aluminum, Mill Finish, Add	383.35		
		For Aluminum, Anodized Finish, Add	1,072.70		
08 36 13 00-0037	EA	16' x 16', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	7,803.36	1,925.81	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	573.00		
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	987.93		
		For Aluminum, Mill Finish, Add	450.50		
		For Aluminum, Anodized Finish, Add	1,260.60		
08 36 13 00-0038	EA	18' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,924.99	1,283.88	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	341.80		
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	589.31		
		For Aluminum, Mill Finish, Add	268.73		
		For Aluminum, Anodized Finish, Add	751.96		
08 36 13 00-0039	EA	18' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,876.05	1,476.45	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	423.86		
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	730.79		
		For Aluminum, Mill Finish, Add	333.24		
		For Aluminum, Anodized Finish, Add	932.48		
08 36 13 00-0040	EA	18' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	7,092.27	1,669.03	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	544.36		
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	938.55		
		For Aluminum, Mill Finish, Add	427.98		
		For Aluminum, Anodized Finish, Add	1,197.59		

08 Openings**08 30 Specialty Doors and Frames****08 36 Panel Doors**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 36 13 00-0041	EA 18' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	8,196.66	1,925.81
	For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	630.03	
	For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,086.26	
	For Aluminum, Mill Finish, Add	495.33	
	For Aluminum, Anodized Finish, Add	1,386.06	
08 36 13 00-0042	EA 18' x 16', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	9,411.37	2,182.58
	For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	731.70	
	For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,261.55	
	For Aluminum, Mill Finish, Add	575.26	
	For Aluminum, Anodized Finish, Add	1,609.73	
08 36 13 00-0043	EA 20' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,596.65	1,476.45
	For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	383.34	
	For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	660.94	
	For Aluminum, Mill Finish, Add	301.39	
	For Aluminum, Anodized Finish, Add	843.36	
08 36 13 00-0044	EA 20' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,547.73	1,669.03
	For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	465.40	
	For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	802.42	
	For Aluminum, Mill Finish, Add	365.90	
	For Aluminum, Anodized Finish, Add	1,023.88	
08 36 13 00-0045	EA 20' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	8,059.63	1,925.81
	For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	610.16	
	For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,052.00	
	For Aluminum, Mill Finish, Add	479.71	
	For Aluminum, Anodized Finish, Add	1,342.35	
08 36 13 00-0046	EA 20' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	9,164.00	2,182.58
	For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	695.83	
	For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,199.70	
	For Aluminum, Mill Finish, Add	547.06	
	For Aluminum, Anodized Finish, Add	1,530.82	
08 36 13 00-0047	EA 22' x 16', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	11,275.64	2,439.36
	For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	927.55	
	For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,599.22	
	For Aluminum, Mill Finish, Add	729.24	
	For Aluminum, Anodized Finish, Add	2,040.60	
08 36 13 00-0048	EA 22' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,234.51	1,669.03
	For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	419.98	
	For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	724.11	
	For Aluminum, Mill Finish, Add	330.19	
	For Aluminum, Anodized Finish, Add	923.96	
08 36 13 00-0049	EA 22' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	7,677.04	1,925.81
	For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	554.68	
	For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	956.35	
	For Aluminum, Mill Finish, Add	436.10	
	For Aluminum, Anodized Finish, Add	1,220.30	
08 36 13 00-0050	EA 22' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	9,083.93	2,182.58
	For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	684.22	
	For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,179.69	
	For Aluminum, Mill Finish, Add	537.94	
	For Aluminum, Anodized Finish, Add	1,505.28	
08 36 13 00-0051	EA 22' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	10,700.83	2,439.36
	For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	844.20	
	For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,455.52	
	For Aluminum, Mill Finish, Add	663.72	
	For Aluminum, Anodized Finish, Add	1,857.24	
08 36 13 00-0052	EA 22' x 16', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	12,059.62	2,696.14
	For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	966.77	
	For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,666.84	
	For Aluminum, Mill Finish, Add	760.08	
	For Aluminum, Anodized Finish, Add	2,126.89	
08 36 13 00-0053	EA 24' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,920.72	1,925.81
	For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	445.02	
	For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	767.27	
	For Aluminum, Mill Finish, Add	349.88	
	For Aluminum, Anodized Finish, Add	979.04	
08 36 13 00-0054	EA 24' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	8,418.35	2,182.58
	For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	587.71	
	For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,013.29	
	For Aluminum, Mill Finish, Add	462.06	
	For Aluminum, Anodized Finish, Add	1,292.96	
08 36 13 00-0055	EA 24' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	10,223.91	2,439.36
	For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	775.05	
	For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,336.29	
	For Aluminum, Mill Finish, Add	609.35	
	For Aluminum, Anodized Finish, Add	1,705.10	
08 36 13 00-0056	EA 24' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	11,426.10	2,696.14
	For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	874.91	
	For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,508.46	
	For Aluminum, Mill Finish, Add	687.86	
	For Aluminum, Anodized Finish, Add	1,924.80	
08 36 13 00-0057	EA 24' x 16', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	12,816.98	2,952.91
	For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,002.12	
	For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,727.80	
	For Aluminum, Mill Finish, Add	787.87	
	For Aluminum, Anodized Finish, Add	2,204.67	

08 36 13 00-0058 Insulated, 24 Gauge Galvanized Steel Sectional Doors (08 36 13 00-0014)

Note: Includes 2" door with polystyrene insulation, 26 gauge interior cover, tracks and hardware. Excludes frame.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0059	EA	8' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	.....	2,521.49	449.35
		For Aluminum, Mill Finish, Add	.....	185.00	
		For Aluminum, Anodized Finish, Add	.....	517.67	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	202.85	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	405.70	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	1,054.81	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	2,028.48	
08 36 13 00-0060	EA	8' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	.....	3,003.97	513.55
		For Aluminum, Mill Finish, Add	.....	225.36	
		For Aluminum, Anodized Finish, Add	.....	630.62	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	247.11	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	494.22	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	1,284.97	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	2,471.09	
08 36 13 00-0061	EA	8' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	.....	3,690.33	641.93
		For Aluminum, Mill Finish, Add	.....	274.34	
		For Aluminum, Anodized Finish, Add	.....	767.66	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	300.81	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	601.61	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	1,564.19	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	3,008.06	
08 36 13 00-0062	EA	10' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	.....	2,931.79	513.55
		For Aluminum, Mill Finish, Add	.....	217.13	
		For Aluminum, Anodized Finish, Add	.....	607.60	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	238.09	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	476.17	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	1,238.05	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	2,380.86	
08 36 13 00-0063	EA	10' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	.....	3,601.41	641.93
		For Aluminum, Mill Finish, Add	.....	264.20	
		For Aluminum, Anodized Finish, Add	.....	739.29	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	289.69	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	579.38	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	1,506.39	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	2,896.91	
08 36 13 00-0064	EA	10' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	.....	4,578.91	834.52
		For Aluminum, Mill Finish, Add	.....	331.73	
		For Aluminum, Anodized Finish, Add	.....	928.25	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	363.74	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	727.47	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	1,891.42	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	3,637.35	
08 36 13 00-0065	EA	10' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	.....	5,316.50	1,027.10
		For Aluminum, Mill Finish, Add	.....	371.90	
		For Aluminum, Anodized Finish, Add	.....	1,040.67	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	407.79	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	815.58	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	2,120.50	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	4,077.88	
08 36 13 00-0066	EA	12' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	.....	3,465.48	641.93
		For Aluminum, Mill Finish, Add	.....	248.70	
		For Aluminum, Anodized Finish, Add	.....	695.93	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	272.70	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	545.40	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	1,418.04	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	2,727.00	
08 36 13 00-0067	EA	12' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	.....	4,322.18	834.52
		For Aluminum, Mill Finish, Add	.....	302.46	
		For Aluminum, Anodized Finish, Add	.....	846.35	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	331.64	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	663.29	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	1,724.55	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	3,316.44	
08 36 13 00-0068	EA	12' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	.....	5,271.20	1,027.10
		For Aluminum, Mill Finish, Add	.....	366.74	
		For Aluminum, Anodized Finish, Add	.....	1,026.22	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	402.13	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	804.25	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	2,091.05	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	4,021.25	
08 36 13 00-0069	EA	12' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	.....	6,164.82	1,219.68
		For Aluminum, Mill Finish, Add	.....	424.70	
		For Aluminum, Anodized Finish, Add	.....	1,188.42	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	465.68	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	931.37	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	2,421.55	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	4,656.83	
08 36 13 00-0070	EA	12' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	.....	7,483.85	1,476.45
		For Aluminum, Mill Finish, Add	.....	516.53	
		For Aluminum, Anodized Finish, Add	.....	1,445.37	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	566.37	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	1,132.74	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	2,945.12	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	5,663.69	
08 36 13 00-0071	EA	14' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	.....	4,122.48	834.52
		For Aluminum, Mill Finish, Add	.....	279.69	
		For Aluminum, Anodized Finish, Add	.....	782.65	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	306.68	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	613.36	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	1,594.74	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	3,066.81	

08 Openings**08 30 Specialty Doors and Frames****08 36 Panel Doors**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 36 13 00-0072	EA	14' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,111.77	1,027.10
		For Aluminum, Mill Finish, Add	348.56	
		For Aluminum, Anodized Finish, Add	975.36	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	382.20	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	764.39	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,987.42	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	3,821.96	
08 36 13 00-0073	EA	14' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,221.06	1,283.88
		For Aluminum, Mill Finish, Add	416.48	
		For Aluminum, Anodized Finish, Add	1,165.41	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	456.66	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	913.33	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	2,374.65	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	4,566.64	
08 36 13 00-0074	EA	14' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	7,329.46	1,476.45
		For Aluminum, Mill Finish, Add	498.93	
		For Aluminum, Anodized Finish, Add	1,396.12	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	547.07	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,094.14	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	2,844.76	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	5,470.70	
08 36 13 00-0075	EA	14' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	8,411.05	1,669.03
		For Aluminum, Mill Finish, Add	578.32	
		For Aluminum, Anodized Finish, Add	1,618.28	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	634.12	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,268.25	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	3,297.44	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	6,341.23	
08 36 13 00-0076	EA	16' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,938.93	1,027.10
		For Aluminum, Mill Finish, Add	328.86	
		For Aluminum, Anodized Finish, Add	920.23	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	360.59	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	721.18	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,875.07	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	3,605.91	
08 36 13 00-0077	EA	16' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,355.31	1,283.88
		For Aluminum, Mill Finish, Add	431.78	
		For Aluminum, Anodized Finish, Add	1,208.23	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	473.45	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	946.89	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	2,461.91	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	4,734.45	
08 36 13 00-0078	EA	16' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	7,420.08	1,476.45
		For Aluminum, Mill Finish, Add	509.26	
		For Aluminum, Anodized Finish, Add	1,425.03	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	558.40	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,116.80	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	2,903.67	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	5,583.98	
08 36 13 00-0079	EA	16' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	8,491.59	1,669.03
		For Aluminum, Mill Finish, Add	587.50	
		For Aluminum, Anodized Finish, Add	1,643.97	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	644.19	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,288.38	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	3,349.79	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	6,441.90	
08 36 13 00-0080	EA	16' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	10,038.88	1,925.81
		For Aluminum, Mill Finish, Add	705.35	
		For Aluminum, Anodized Finish, Add	1,973.73	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	773.41	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,546.81	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	4,021.71	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	7,734.05	
08 36 13 00-0081	EA	18' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,704.18	1,283.88
		For Aluminum, Mill Finish, Add	357.55	
		For Aluminum, Anodized Finish, Add	1,000.52	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	392.05	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	784.11	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	2,038.68	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	3,920.54	
08 36 13 00-0082	EA	18' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	7,062.63	1,476.45
		For Aluminum, Mill Finish, Add	468.51	
		For Aluminum, Anodized Finish, Add	1,311.00	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	513.72	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,027.43	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	2,671.32	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	5,137.16	
08 36 13 00-0083	EA	18' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	8,196.23	1,669.03
		For Aluminum, Mill Finish, Add	553.83	
		For Aluminum, Anodized Finish, Add	1,549.75	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	607.27	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,214.54	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	3,157.80	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	6,072.70	
08 36 13 00-0084	EA	18' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	10,210.04	1,925.81
		For Aluminum, Mill Finish, Add	724.86	
		For Aluminum, Anodized Finish, Add	2,028.33	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	794.80	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,589.60	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	4,132.96	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	7,948.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0085	EA	18' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	.....	11,191.79	2,182.58
		For Aluminum, Mill Finish, Add	.....	778.23	
		For Aluminum, Anodized Finish, Add	.....	2,177.69	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	853.33	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	1,706.65	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	4,437.29	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	8,533.25	
08 36 13 00-0086	EA	20' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	.....	7,030.75	1,476.45
		For Aluminum, Mill Finish, Add	.....	464.87	
		For Aluminum, Anodized Finish, Add	.....	1,300.83	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	509.73	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	1,019.46	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	2,650.60	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	5,097.31	
08 36 13 00-0087	EA	20' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	.....	8,270.09	1,669.03
		For Aluminum, Mill Finish, Add	.....	562.25	
		For Aluminum, Anodized Finish, Add	.....	1,573.31	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	616.50	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	1,233.01	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	3,205.81	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	6,165.03	
08 36 13 00-0088	EA	20' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	.....	10,554.05	1,925.81
		For Aluminum, Mill Finish, Add	.....	764.07	
		For Aluminum, Anodized Finish, Add	.....	2,138.07	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	837.80	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	1,675.60	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	4,356.57	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	8,378.01	
08 36 13 00-0089	EA	20' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	.....	11,498.87	2,182.58
		For Aluminum, Mill Finish, Add	.....	813.24	
		For Aluminum, Anodized Finish, Add	.....	2,275.64	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	891.71	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	1,783.42	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	4,636.89	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	8,917.10	
08 36 13 00-0090	EA	20' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	.....	13,349.90	2,439.36
		For Aluminum, Mill Finish, Add	.....	965.71	
		For Aluminum, Anodized Finish, Add	.....	2,702.29	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	1,058.89	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	2,117.79	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	5,506.24	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	10,588.93	
08 36 13 00-0091	EA	22' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	.....	7,717.98	1,669.03
		For Aluminum, Mill Finish, Add	.....	499.31	
		For Aluminum, Anodized Finish, Add	.....	1,397.19	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	547.49	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	1,094.98	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	2,846.94	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	5,474.89	
08 36 13 00-0092	EA	22' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	.....	9,530.41	1,925.81
		For Aluminum, Mill Finish, Add	.....	647.38	
		For Aluminum, Anodized Finish, Add	.....	1,811.53	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	709.85	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	1,419.69	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	3,691.20	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	7,098.46	
08 36 13 00-0093	EA	22' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	.....	11,314.30	2,182.58
		For Aluminum, Mill Finish, Add	.....	792.20	
		For Aluminum, Anodized Finish, Add	.....	2,216.77	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	868.64	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	1,737.28	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	4,516.92	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	8,686.39	
08 36 13 00-0094	EA	22' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	.....	12,713.90	2,439.36
		For Aluminum, Mill Finish, Add	.....	893.21	
		For Aluminum, Anodized Finish, Add	.....	2,499.41	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	979.39	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	1,958.79	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	5,092.84	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	9,793.93	
08 36 13 00-0095	EA	22' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	.....	14,497.72	2,696.14
		For Aluminum, Mill Finish, Add	.....	1,038.02	
		For Aluminum, Anodized Finish, Add	.....	2,904.64	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	1,138.18	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	2,276.37	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	5,918.56	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	11,381.84	
08 36 13 00-0096	EA	24' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	.....	8,602.41	1,925.81
		For Aluminum, Mill Finish, Add	.....	541.59	
		For Aluminum, Anodized Finish, Add	.....	1,515.50	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	593.85	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	1,187.69	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	3,088.00	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	5,938.46	
08 36 13 00-0097	EA	24' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	.....	10,601.11	2,182.58
		For Aluminum, Mill Finish, Add	.....	710.89	
		For Aluminum, Anodized Finish, Add	.....	1,989.26	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	779.49	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	1,558.98	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	4,053.35	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	7,794.90	

08 Openings**08 30 Specialty Doors and Frames****08 36 Panel Doors**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 36 13 00-0098	EA	24' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	12,289.35	2,439.36
		For Aluminum, Mill Finish, Add	844.81	
		For Aluminum, Anodized Finish, Add	2,363.98	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	926.32	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,852.65	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	4,816.88	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	9,263.24	
08 36 13 00-0099	EA	24' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	14,076.53	2,696.14
		For Aluminum, Mill Finish, Add	990.01	
		For Aluminum, Anodized Finish, Add	2,770.29	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,085.54	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	2,171.07	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	5,644.78	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	10,855.35	
08 36 13 00-0100	EA	24' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	15,835.24	2,952.91
		For Aluminum, Mill Finish, Add	1,131.96	
		For Aluminum, Anodized Finish, Add	3,167.49	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,241.18	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	2,482.36	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	6,454.14	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	12,411.80	

08 36 13 00-0101 Residential Grade, Galvanized Steel Sectional Overhead Doors (08 36 13 00-0013)

Note: Includes track and hardware. Excludes frame.

08 36 13 00-0102	EA	9' x 7', Non-Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift.....	1,195.70	256.78
		For Aluminum And Fiberglass, Add	171.67	
		For Each Glass Vision Panel In Door, Add	50.00	
		For Insulated Door, Add	199.36	
08 36 13 00-0103	EA	9' x 8', Non-Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift.....	1,295.08	256.78
		For Aluminum And Fiberglass, Add	202.48	
		For Each Glass Vision Panel In Door, Add	50.00	
		For Insulated Door, Add	235.13	
08 36 13 00-0104	EA	16' x 7', Non-Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift.....	1,648.61	293.75
		For Aluminum And Fiberglass, Add	283.90	
		For Each Glass Vision Panel In Door, Add	50.00	
		For Insulated Door, Add	329.69	
08 36 13 00-0105	EA	16' x 8', Non-Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift.....	1,804.77	293.75
		For Aluminum And Fiberglass, Add	332.31	
		For Each Glass Vision Panel In Door, Add	50.00	
		For Insulated Door, Add	385.91	

08 36 13 00-0106 Removal And Reinstallation Of Sectional Metal Overhead Doors And Supports (08 36 13 00-0013)

Note: Includes storage, cleaning and supply materials.

08 36 13 00-0107	SF	Removal And Reinstallation Of Sectional Metal Overhead Door And Supports.....	18.24	
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08 36 13 00-0108 Sectional Fiberglass Overhead Doors (Width x Height) (08 36 13)

08 36 13 00-0109 Fiberglass Sectional Overhead Doors (08 36 13 00-0108)

08 36 13 00-0110 Non-Insulated, Fiberglass Sectional Doors (08 36 13 00-0109)

Note: Includes 2" door, tracks and hardware. Excludes frame.

08 36 13 00-0111	EA	8' x 8', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	2,285.51	449.35
08 36 13 00-0112	EA	8' x 10', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	2,698.88	513.55
08 36 13 00-0113	EA	8' x 12', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	3,217.95	641.93
08 36 13 00-0114	EA	10' x 8', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	2,671.51	513.55
08 36 13 00-0115	EA	10' x 10', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	3,162.44	577.74
08 36 13 00-0116	EA	10' x 12', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	4,001.90	802.43
08 36 13 00-0117	EA	10' x 14', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	4,845.17	1,027.10
08 36 13 00-0118	EA	12' x 8', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	3,179.17	641.93
08 36 13 00-0119	EA	12' x 10', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	3,985.93	802.43
08 36 13 00-0120	EA	12' x 12', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	4,783.20	962.91
08 36 13 00-0121	EA	12' x 14', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	5,899.91	1,283.88
08 36 13 00-0122	EA	12' x 16', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	6,893.71	1,540.65
08 36 13 00-0123	EA	14' x 8', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	3,943.31	898.71
08 36 13 00-0124	EA	14' x 10', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	4,749.37	1,027.10
08 36 13 00-0125	EA	14' x 12', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	5,817.80	1,283.88
08 36 13 00-0126	EA	14' x 14', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	6,884.58	1,540.65
08 36 13 00-0127	EA	14' x 16', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	7,697.24	1,669.03
08 36 13 00-0128	EA	16' x 8', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	4,482.53	1,027.10
08 36 13 00-0129	EA	16' x 10', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	5,341.89	1,155.49
08 36 13 00-0130	EA	16' x 12', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	6,472.33	1,412.26
08 36 13 00-0131	EA	16' x 14', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	7,590.05	1,669.03
08 36 13 00-0132	EA	16' x 16', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	8,452.25	1,797.42

08 36 13 00-0133 Insulated, Fiberglass Sectional Doors (08 36 13 00-0109)

Note: Includes 2" door with polystyrene insulation, tracks and hardware. Excludes frame.

08 36 13 00-0134	EA	8' x 8', Insulated, Fiberglass Sectional Door, Manual Lift.....	2,743.12	449.35
08 36 13 00-0135	EA	8' x 10', Insulated, Fiberglass Sectional Door, Manual Lift.....	3,250.57	513.55
08 36 13 00-0136	EA	8' x 12', Insulated, Fiberglass Sectional Door, Manual Lift.....	3,856.19	641.93
08 36 13 00-0137	EA	10' x 8', Insulated, Fiberglass Sectional Door, Manual Lift.....	3,214.17	513.55
08 36 13 00-0138	EA	10' x 10', Insulated, Fiberglass Sectional Door, Manual Lift.....	3,824.77	577.74
08 36 13 00-0139	EA	10' x 12', Insulated, Fiberglass Sectional Door, Manual Lift.....	4,792.93	802.43
08 36 13 00-0140	EA	10' x 14', Insulated, Fiberglass Sectional Door, Manual Lift.....	5,766.40	1,027.10

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0141	EA	12' x 8', Insulated, Fiberglass Sectional Door, Manual Lift.....	3,804.62	641.93
08 36 13 00-0142	EA	12' x 10', Insulated, Fiberglass Sectional Door, Manual Lift.....	4,771.69	802.43
08 36 13 00-0143	EA	12' x 12', Insulated, Fiberglass Sectional Door, Manual Lift.....	5,726.26	962.91
08 36 13 00-0144	EA	12' x 14', Insulated, Fiberglass Sectional Door, Manual Lift.....	6,999.52	1,283.88
08 36 13 00-0145	EA	12' x 16', Insulated, Fiberglass Sectional Door, Manual Lift.....	8,152.13	1,540.65
08 36 13 00-0146	EA	14' x 8', Insulated, Fiberglass Sectional Door, Manual Lift.....	4,651.54	898.71
08 36 13 00-0147	EA	14' x 10', Insulated, Fiberglass Sectional Door, Manual Lift.....	5,639.00	1,027.10
08 36 13 00-0148	EA	14' x 12', Insulated, Fiberglass Sectional Door, Manual Lift.....	6,890.32	1,283.88
08 36 13 00-0149	EA	14' x 14', Insulated, Fiberglass Sectional Door, Manual Lift.....	8,139.99	1,540.65
08 36 13 00-0150	EA	14' x 16', Insulated, Fiberglass Sectional Door, Manual Lift.....	9,136.30	1,669.03
08 36 13 00-0151	EA	16' x 8', Insulated, Fiberglass Sectional Door, Manual Lift.....	5,284.09	1,027.10
08 36 13 00-0152	EA	16' x 10', Insulated, Fiberglass Sectional Door, Manual Lift.....	6,342.16	1,155.49
08 36 13 00-0153	EA	16' x 12', Insulated, Fiberglass Sectional Door, Manual Lift.....	7,675.81	1,412.26
08 36 13 00-0154	EA	16' x 14', Insulated, Fiberglass Sectional Door, Manual Lift.....	8,993.73	1,669.03
08 36 13 00-0155	EA	16' x 16', Insulated, Fiberglass Sectional Door, Manual Lift.....	10,055.38	1,797.42
08 36 13 00-0156 Sectional Overhead Door Accessories (08 36 13)				
08 36 13 00-0157 Sectional Overhead Door Accessories (08 36 13 00-0156)				
08 36 13 00-0158	LF	Flap Seal For Sectional Overhead Doors	4.27	
08 36 13 00-0159	LF	Weather Seal At Top Of Door For Sectional Overhead Doors.....	5.98	
08 36 13 00-0160	LF	Astragal Only, Weather Strip At Bottom Of Door For Sectional Overhead Doors.....	3.65	
08 36 13 00-0161	EA	Cylinder Lock For Sectional Overhead Doors.....	333.95	
08 36 13 00-0162	EA	Manual Chain Hoist For Sectional Overhead Doors	682.20	
08 36 13 00-0163	EA	3/4 HP, Electric Chain Lift Operator For Sectional Overhead Doors.....	2,734.65	
		Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
08 36 13 00-0164	EA	1/2 HP Trolley Operator For Sectional Overhead Doors.....	1,258.75	
		Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
08 36 13 00-0165	EA	3/4 HP Trolley Operator For Sectional Overhead Doors.....	1,605.49	
		Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
		For Door Height >12', Add	10.00	
		Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
08 36 13 00-0166	SF	Up To 2 SF Per Window 1/8" Double Strength Glass (DSB) Glazing For Sectional Overhead Doors	39.27	
		Note: Additional cost for factory supplied.		
08 36 13 00-0167	SF	>2 SF Per Window 1/8" Double Strength Glass (DSB) Glazing For Sectional Overhead Doors.....	24.49	
		Note: Additional cost for factory supplied.		
08 36 13 00-0168	SF	Up To 2 SF Per Window 1/8" Plexiglas Glazing For Sectional Overhead Doors	41.06	
		Note: Additional cost for factory supplied.		
08 36 13 00-0169	SF	>2 SF Per Window 1/8" Plexiglas Glazing For Sectional Overhead Doors.....	27.99	
		Note: Additional cost for factory supplied.		
08 36 13 00-0170	SF	Up To 2 SF Per Window 3/4" Insulated Glazing For Sectional Overhead Doors	66.05	
		Note: Additional cost for factory supplied.		
08 36 13 00-0171	SF	>2 SF Per Window 3/4" Insulated Glazing For Sectional Overhead Doors.....	44.58	
		Note: Additional cost for factory supplied.		
08 36 13 00-0172	SF	Up To 2 SF Per Window 1-5/8" Insulated Glazing For Sectional Metal Overhead Doors	99.08	
		Note: Additional cost for factory supplied.		
08 36 13 00-0173	SF	>2 SF Per Window 1-5/8" Insulated Glazing For Sectional Metal Overhead Doors.....	66.87	
		Note: Additional cost for factory supplied.		
08 36 13 00-0174	EA	Vertical Lift Track For Sectional Overhead Doors Up To 12' High Door	637.84	
		Note: Includes additional installation of vertical track, spring bumpers, counterweights and vertical lift springs.		
08 36 13 00-0175	EA	Vertical Lift Track For Sectional Overhead Doors >12' To 16' High Door	992.15	
		Note: Includes additional installation of vertical track, spring bumpers, counterweights and vertical lift springs.		
08 36 13 00-0176	EA	Vertical Lift Track For Sectional Overhead Doors >16' To 20' High Door	1,473.99	
		Note: Includes additional installation of vertical track, spring bumpers, counterweights and vertical lift springs.		
08 36 13 00-0177	SF	25,000 Cycle Spring In Lieu Of 10,000 Cycle For Sectional Overhead Doors	1.84	
		Note: Additional cost for factory supplied/installed spring. Per SF of Door.		
08 36 13 00-0178	SF	50,000 Cycle Spring In Lieu Of 10,000 Cycle For Sectional Overhead Doors.....	2.37	
		Note: Additional cost for factory supplied/installed spring. Per SF of Door.		
08 36 13 00-0179	SF	100,000 Cycle Spring In Lieu Of 10,000 Cycle For Sectional Overhead Doors.....	3.13	
		Note: Additional cost for factory supplied/installed spring. Per SF of Door.		

08 38 Traffic Doors (08 30)

08 38 13 Flexible Strip Doors (08 38)

08 38 13 00-0001 Clear Polyvinyl Chloride (PVC) Strip Doors (08 38 13)

08 38 13 00-0002	SF	8" Smooth Strip, 0.080" Thick, 50% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door.....	25.07	7.71
		For Cooler/Freezer Doors, USDA Grade, Add	0.84	
		Note: Low temperature to -40 degree F.		
		For Ribbed Strip Material, Add	1.76	
08 38 13 00-0003	SF	8" Smooth Strip, 0.080" Thick, 100% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door.....	34.94	10.27
		For Cooler/Freezer Doors, USDA Grade, Add	1.18	
		Note: Low temperature to -40 degree F.		
		For Ribbed Strip Material, Add	2.48	
08 38 13 00-0004	SF	12" Smooth Strip, 0.120" Thick, 66% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door.....	22.12	6.42
		For Cooler/Freezer Doors, USDA Grade, Add	1.06	
		Note: Low temperature to -40 degree F.		
		For Ribbed Strip Material, Add	2.22	
08 38 13 00-0005	SF	12" Smooth Strip, 0.120" Thick, 100% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door.....	28.67	7.06
		For Cooler/Freezer Doors, USDA Grade, Add	1.33	
		Note: Low temperature to -40 degree F.		
		For Ribbed Strip Material, Add	2.79	

08 Openings**08 30 Specialty Doors and Frames****08 38 Traffic Doors**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 38 13 00-0006	SF	16" Smooth Strip, 0.160" Thick, 66% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door.....	23.70	6.42
		<i>For Cooler/Freezer Doors, USDA Grade, Add</i>	1.34	
		<i>Note: Low temperature to -40 degree F.</i>		
		<i>For Ribbed Strip Material, Add</i>	2.82	

08 38 13 00-0007 Clear Polyvinyl Chloride (PVC) Replacement Strips (08 38 13)

08 38 13 00-0008	EA	8" Smooth Strip, 0.080" Thick, 7' Long, Replacement Strip.....	73.73	36.21
		<i>For Cooler/Freezer Doors, USDA Grade, Add</i>	1.47	
		<i>Note: Low temperature to -40 degree F.</i>		
		<i>For Ribbed Strip Material, Add</i>	3.08	
08 38 13 00-0009	EA	8" Smooth Strip, 0.080" Thick, 8' Long, Replacement Strip.....	75.79	36.21
		<i>For Cooler/Freezer Doors, USDA Grade, Add</i>	1.67	
		<i>Note: Low temperature to -40 degree F.</i>		
		<i>For Ribbed Strip Material, Add</i>	3.52	
08 38 13 00-0010	EA	12" Smooth Strip, 0.120" Thick, 8' Long, Replacement Strip.....	107.48	44.81
		<i>For Cooler/Freezer Doors, USDA Grade, Add</i>	3.43	
		<i>Note: Low temperature to -40 degree F.</i>		
		<i>For Ribbed Strip Material, Add</i>	7.20	
08 38 13 00-0011	EA	12" Smooth Strip, 0.120" Thick, 10' Long, Replacement Strip.....	114.45	44.81
		<i>For Cooler/Freezer Doors, USDA Grade, Add</i>	4.13	
		<i>Note: Low temperature to -40 degree F.</i>		
		<i>For Ribbed Strip Material, Add</i>	8.67	
08 38 13 00-0012	EA	12" Smooth Strip, 0.120" Thick, 12' Long, Replacement Strip.....	120.98	44.81
		<i>For Cooler/Freezer Doors, USDA Grade, Add</i>	4.78	
		<i>Note: Low temperature to -40 degree F.</i>		
		<i>For Ribbed Strip Material, Add</i>	10.04	
08 38 13 00-0013	EA	16" Smooth Strip, 0.160" Thick, 14' Long, Replacement Strip.....	203.46	45.70
		<i>For Cooler/Freezer Doors, USDA Grade, Add</i>	11.20	
		<i>Note: Low temperature to -40 degree F.</i>		
		<i>For Ribbed Strip Material, Add</i>	23.52	

08 38 16 Flexible Traffic Doors (08 38)

Note: Impact traffic doors also known as double action traffic doors. Includes hardware. Excludes door frame.

08 38 16 00-0001 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors
(TMI Mega-Pro) (08 38 16)**08 38 16 00-0002 Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors** (08 38 16 00-0001)**08 38 16 00-0003 Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors** (08 38 16 00-0002)

08 38 16 00-0004	EA	72" x 84" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	7,809.93	128.39
08 38 16 00-0005	EA	72" x 96" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	8,459.20	128.39
08 38 16 00-0006	EA	96" x 96" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	17,811.97	147.64
08 38 16 00-0007	EA	96" x 120" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	19,997.15	160.48
08 38 16 00-0008	EA	108" x 108" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	31,233.21	160.48
08 38 16 00-0009	EA	108" x 120" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	32,686.75	160.48
08 38 16 00-0010	EA	120" x 120" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	36,357.98	192.58

08 38 16 00-0011 Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors (08 38 16 00-0002)

08 38 16 00-0012	EA	72" x 84" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	8,713.80	128.39
08 38 16 00-0013	EA	72" x 96" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	9,436.83	128.39
08 38 16 00-0014	EA	96" x 96" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	21,141.32	147.64
08 38 16 00-0015	EA	96" x 120" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	23,311.72	160.48
08 38 16 00-0016	EA	108" x 108" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	35,034.57	160.48
08 38 16 00-0017	EA	108" x 120" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	36,513.12	160.48
08 38 16 00-0018	EA	120" x 120" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	40,614.92	192.58

08 38 16 00-0019 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors (Eliason FMP)(08 38 16)

Note: Includes pebble embossed finish and a 14" x 16" vinyl window.

08 38 16 00-0020 Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors (08 38 16 00-0019)**08 38 16 00-0021 84" Height, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors** (08 38 16 00-0020)

08 38 16 00-0022	EA	24" To 36" Width x 84" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors.....	3,216.82	70.61
08 38 16 00-0023	EA	40" To 44" Width x 84" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors.....	3,475.89	70.61

08 38 16 00-0024 96" Height, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors (08 38 16 00-0020)

08 38 16 00-0025	EA	24" To 36" Width x 96" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors.....	3,475.89	70.61
08 38 16 00-0026	EA	40" To 44" Width x 96" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors.....	3,548.96	70.61

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST

08 38 16 00-0027			Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors ^(08 38 16 00-0019)		
08 38 16 00-0028			84" Height, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors ^(08 38 16 00-0027)		
08 38 16 00-0029	EA		48" To 72" Width x 84" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors.....	6,395.12	121.97
08 38 16 00-0030	EA		80" To 88" Width x 84" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors.....	6,913.26	121.97
08 38 16 00-0031			96" Height, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors ^(08 38 16 00-0027)		
08 38 16 00-0032	EA		48" To 72" Width x 96" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors.....	6,913.26	121.97
08 38 16 00-0033	EA		80" To 88" Width x 96" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors.....	7,059.40	121.97

08 38 19 Rigid Traffic Doors ^(08 38)

Note: Impact traffic doors also known as double action traffic doors. Includes hardware. Excludes door frame.

08 38 19 00-0001			0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors (Eliason LWP-3) ^(08 38 19)		
			Note: Includes delta formed vertical edges and a 9" x 14" acrylic window.		
08 38 19 00-0002			Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors ^(08 38 19 00-0001)		
08 38 19 00-0003			84" Height, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors ^(08 38 19 00-0002)		
08 38 19 00-0004	EA		24" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,522.91	70.61
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0005	EA		28" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,642.48	70.61
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0006	EA		30" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,695.41	73.82
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0007	EA		32" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,768.48	73.82
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0008	EA		36" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,848.00	77.03
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0009	EA		40" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	2,007.43	77.03
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0010	EA		42" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	2,073.15	86.66
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0011			96" Height, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors ^(08 38 19 00-0002)		
08 38 19 00-0012	EA		24" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,728.84	70.61
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0013	EA		28" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,821.84	70.61
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0014	EA		30" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,881.41	73.82
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0015	EA		32" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,934.55	73.82
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	

08 Openings**08 30 Specialty Doors and Frames****08 38 Traffic Doors**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 38 19 00-0016	EA 36" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	2,120.36		77.03
	For Each 14" x 16" Window, Add	22.00		
	For Each 15" x 20" Window, Add	28.00		
	For Each 18" x 30" Window, Add	41.00		
08 38 19 00-0017	EA 40" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	2,160.21		77.03
	For Each 14" x 16" Window, Add	22.00		
	For Each 15" x 20" Window, Add	28.00		
	For Each 18" x 30" Window, Add	41.00		
08 38 19 00-0018	EA 42" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	2,219.29		86.66
	For Each 14" x 16" Window, Add	22.00		
	For Each 15" x 20" Window, Add	28.00		
	For Each 18" x 30" Window, Add	41.00		
08 38 19 00-0019	Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors (08 38 19 00-0001)			
08 38 19 00-0020	84" Height, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors (08 38 19 00-0019)			
08 38 19 00-0021	EA 48" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	3,007.30		121.97
	For Each 14" x 16" Window, Add	22.00		
	For Each 15" x 20" Window, Add	28.00		
	For Each 18" x 30" Window, Add	41.00		
08 38 19 00-0022	EA 56" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	3,246.44		121.97
	For Each 14" x 16" Window, Add	22.00		
	For Each 15" x 20" Window, Add	28.00		
	For Each 18" x 30" Window, Add	41.00		
08 38 19 00-0023	EA 60" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	3,339.44		121.97
	For Each 14" x 16" Window, Add	22.00		
	For Each 15" x 20" Window, Add	28.00		
	For Each 18" x 30" Window, Add	41.00		
08 38 19 00-0024	EA 64" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	3,485.58		121.97
	For Each 14" x 16" Window, Add	22.00		
	For Each 15" x 20" Window, Add	28.00		
	For Each 18" x 30" Window, Add	41.00		
08 38 19 00-0025	EA 72" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	3,644.60		128.39
	For Each 14" x 16" Window, Add	22.00		
	For Each 15" x 20" Window, Add	28.00		
	For Each 18" x 30" Window, Add	41.00		
08 38 19 00-0026	EA 80" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	3,963.46		128.39
	For Each 14" x 16" Window, Add	22.00		
	For Each 15" x 20" Window, Add	28.00		
	For Each 18" x 30" Window, Add	41.00		
08 38 19 00-0027	EA 84" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	4,056.46		128.39
	For Each 14" x 16" Window, Add	22.00		
	For Each 15" x 20" Window, Add	28.00		
	For Each 18" x 30" Window, Add	41.00		
08 38 19 00-0028	96" Height, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors (08 38 19 00-0019)			
08 38 19 00-0029	EA 48" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	3,419.15		121.97
	For Each 14" x 16" Window, Add	22.00		
	For Each 15" x 20" Window, Add	28.00		
	For Each 18" x 30" Window, Add	41.00		
08 38 19 00-0030	EA 56" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	3,605.15		121.97
	For Each 14" x 16" Window, Add	22.00		
	For Each 15" x 20" Window, Add	28.00		
	For Each 18" x 30" Window, Add	41.00		
08 38 19 00-0031	EA 60" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	3,711.44		121.97
	For Each 14" x 16" Window, Add	22.00		
	For Each 15" x 20" Window, Add	28.00		
	For Each 18" x 30" Window, Add	41.00		
08 38 19 00-0032	EA 64" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	3,817.72		121.97
	For Each 14" x 16" Window, Add	22.00		
	For Each 15" x 20" Window, Add	28.00		
	For Each 18" x 30" Window, Add	41.00		
08 38 19 00-0033	EA 72" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	4,189.31		128.39
	For Each 14" x 16" Window, Add	22.00		
	For Each 15" x 20" Window, Add	28.00		
	For Each 18" x 30" Window, Add	41.00		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0034	EA		80" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	4,269.03	128.39
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0035	EA		84" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	4,348.74	128.39
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0036			3/4" Thick, Polymer Cell Core Impact Traffic Doors (Eliaison P-11 Plus) (08 38 19)		
			Note: Includes 0.125" thick thermoplastic exterior finish, 14 gauge back channel and a 14" x 16" acrylic window.		
08 38 19 00-0037			Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors (08 38 19 00-0036)		
08 38 19 00-0038			84" Height, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors (08 38 19 00-0037)		
08 38 19 00-0039	EA		24" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	2,745.18	70.61
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0040	EA		28" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	3,057.39	70.61
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0041	EA		30" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	3,190.04	73.82
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0042	EA		32" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	3,322.89	73.82
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0043	EA		36" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	3,369.20	77.03
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0044	EA		40" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	3,641.55	77.03
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0045	EA		42" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	3,906.56	86.66
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0046	EA		44" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	3,953.06	86.66
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0047			96" Height, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors (08 38 19 00-0037)		
08 38 19 00-0048	EA		24" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	3,010.90	70.61
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0049	EA		28" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	3,336.39	70.61
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0050	EA		30" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	3,469.04	73.82
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0051	EA		32" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	3,635.10	73.82
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0052	EA		36" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	3,761.13	77.03
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0053	EA		40" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	4,026.84	77.03
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0054	EA		42" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	4,152.34	86.66
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0055	EA		44" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	4,318.41	86.66
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0056			Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors (08 38 19 00-0036)		
08 38 19 00-0057			84" Height, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors (08 38 19 00-0056)		
08 38 19 00-0058	EA		48" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	5,451.85	121.97
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0059	EA		56" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	6,076.27	121.97
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0060	EA		60" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	6,328.70	121.97
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0061	EA		64" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	6,594.41	121.97
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	

08 Openings**08 30 Specialty Doors and Frames****08 38 Traffic Doors**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 38 19 00-0062	EA	72" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	6,687.00	128.39
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0063	EA	80" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	7,231.71	128.39
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0064	EA	84" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	7,723.28	128.39
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0065	EA	88" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	7,816.28	128.39
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	

08 38 19 00-0066 96" Height, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors

(08 38 19 00-0056)

08 38 19 00-0067	EA	48" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	5,983.27	121.97
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0068	EA	56" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	6,634.26	121.97
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0069	EA	60" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	6,886.69	121.97
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0070	EA	64" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	7,218.83	121.97
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0071	EA	72" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	7,470.85	128.39
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0072	EA	80" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	8,002.27	128.39
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0073	EA	84" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	8,214.84	128.39
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0074	EA	88" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	8,546.98	128.39
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	

08 38 19 00-0075 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors (Eliason PMP-2)

(08 38 19)

Note: Includes textured finish, 16 gauge back channel and a 14" x 16" window.

08 38 19 00-0076 Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors

(08 38 19 00-0075)

08 38 19 00-0077 84" Height, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors

(08 38 19 00-0076)

08 38 19 00-0078	EA	24" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	3,520.77	70.61
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0079	EA	28" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	4,008.21	70.61
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0080	EA	30" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	4,144.62	73.82
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0081	EA	32" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	4,193.36	73.82
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0082	EA	36" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	4,248.56	77.03
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0083	EA	40" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	4,703.50	77.03
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0084	EA	42" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	5,096.42	86.66
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0085	EA	44" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	5,153.29	86.66
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	

08 38 19 00-0086 96" Height, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors

(08 38 19 00-0076)

08 38 19 00-0087	EA	24" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	3,626.38	70.61
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0088	EA	28" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	4,227.55	70.61
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0089	EA	30" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	4,372.09	73.82
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0090	EA	32" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	4,437.08 6.00 19.00	73.82
08 38 19 00-0091	EA	36" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	4,459.78 6.00 19.00	77.03
08 38 19 00-0092	EA	40" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	4,792.86 6.00 19.00	77.03
08 38 19 00-0093	EA	42" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	5,177.66 6.00 19.00	86.66
08 38 19 00-0094	EA	44" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	5,242.65 6.00 19.00	86.66
08 38 19 00-0095		Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors (08 38 19 00-0075)		
08 38 19 00-0096		84" Height, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors (08 38 19 00-0095)		
08 38 19 00-0097	EA	48" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	7,003.02 6.00 19.00	121.97
08 38 19 00-0098	EA	56" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	7,977.89 6.00 19.00	121.97
08 38 19 00-0099	EA	60" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	8,237.86 6.00 19.00	121.97
08 38 19 00-0100	EA	64" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	8,335.34 6.00 19.00	121.97
08 38 19 00-0101	EA	72" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	8,445.71 6.00 19.00	128.39
08 38 19 00-0102	EA	80" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	9,355.59 6.00 19.00	128.39
08 38 19 00-0103	EA	84" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door ... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	10,103.00 6.00 19.00	128.39
08 38 19 00-0104	EA	88" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door ... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	10,216.73 6.00 19.00	128.39
08 38 19 00-0105		96" Height, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors (08 38 19 00-0095)		
08 38 19 00-0106	EA	48" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	7,214.24 6.00 19.00	121.97
08 38 19 00-0107	EA	56" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	8,416.58 6.00 19.00	121.97
08 38 19 00-0108	EA	60" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	8,692.80 6.00 19.00	121.97
08 38 19 00-0109	EA	64" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	8,822.78 6.00 19.00	121.97
08 38 19 00-0110	EA	72" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	8,868.16 6.00 19.00	128.39
08 38 19 00-0111	EA	80" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	9,534.32 6.00 19.00	128.39
08 38 19 00-0112	EA	84" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door ... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	10,265.47 6.00 19.00	128.39
08 38 19 00-0113	EA	88" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door ... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	10,395.46 6.00 19.00	128.39
08 38 19 00-0114		1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors (Eliason SCP-2) (08 38 19) Note: Includes 0.032" tempered aluminum alloy top panel, 48" high 16 gauge stainless steel front and galvanized back base plate, 14 gauge galvanized steel back channel and a 9" x 14" window.		
08 38 19 00-0115		Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors (08 38 19 00-0114)		
08 38 19 00-0116		84" Height, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors (08 38 19 00-0115)		

08 Openings**08 30 Specialty Doors and Frames****08 38 Traffic Doors**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
08 38 19 00-0117	EA 24" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	3,701.75 22.00 28.00 41.00		70.61	
08 38 19 00-0118	EA 28" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	4,053.81 22.00 28.00 41.00		70.61	
08 38 19 00-0119	EA 30" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	4,153.24 22.00 28.00 41.00		73.82	
08 38 19 00-0120	EA 32" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	4,239.60 22.00 28.00 41.00		73.82	
08 38 19 00-0121	EA 36" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	4,392.19 22.00 28.00 41.00		77.03	
08 38 19 00-0122	EA 40" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	4,558.26 22.00 28.00 41.00		77.03	
08 38 19 00-0123	EA 42" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	4,710.34 22.00 28.00 41.00		86.66	
08 38 19 00-0124	EA 44" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	4,823.26 22.00 28.00 41.00		86.66	
08 38 19 00-0125	96" Height, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors (08 38 19 00-0115)				
08 38 19 00-0126	EA 24" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	4,000.67 22.00 28.00 41.00		70.61	
08 38 19 00-0127	EA 28" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	4,372.67 22.00 28.00 41.00		70.61	
08 38 19 00-0128	EA 30" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	4,478.74 22.00 28.00 41.00		73.82	
08 38 19 00-0129	EA 32" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	4,525.24 22.00 28.00 41.00		73.82	
08 38 19 00-0130	EA 36" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	4,664.54 22.00 28.00 41.00		77.03	
08 38 19 00-0131	EA 40" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	4,883.76 22.00 28.00 41.00		77.03	
08 38 19 00-0132	EA 42" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	5,009.26 22.00 28.00 41.00		86.66	
08 38 19 00-0133	EA 44" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	5,122.19 22.00 28.00 41.00		86.66	
08 38 19 00-0134	Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors (08 38 19 00-0114)				
08 38 19 00-0135	84" Height, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors (08 38 19 00-0134)				
08 38 19 00-0136	EA 48" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	7,364.97 22.00 28.00 41.00		121.97	
08 38 19 00-0137	EA 56" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	8,069.11 22.00 28.00 41.00		121.97	
08 38 19 00-0138	EA 60" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	8,255.10 22.00 28.00 41.00		121.97	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0139	EA	64" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	8,427.82 22.00 28.00 41.00	121.97
08 38 19 00-0140	EA	72" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	8,732.98 22.00 28.00 41.00	128.39
08 38 19 00-0141	EA	80" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	9,065.12 22.00 28.00 41.00	128.39
08 38 19 00-0142	EA	84" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	9,330.83 22.00 28.00 41.00	128.39
08 38 19 00-0143	EA	88" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	9,556.69 22.00 28.00 41.00	128.39
08 38 19 00-0144		96" Height, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors (08 38 19 00-0134)		
08 38 19 00-0145	EA	48" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	7,962.82 22.00 28.00 41.00	121.97
08 38 19 00-0146	EA	56" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	8,706.81 22.00 28.00 41.00	121.97
08 38 19 00-0147	EA	60" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	8,906.10 22.00 28.00 41.00	121.97
08 38 19 00-0148	EA	64" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	8,999.10 22.00 28.00 41.00	121.97
08 38 19 00-0149	EA	72" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	9,277.69 22.00 28.00 41.00	128.39
08 38 19 00-0150	EA	80" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	9,716.11 22.00 28.00 41.00	128.39
08 38 19 00-0151	EA	84" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	9,928.68 22.00 28.00 41.00	128.39
08 38 19 00-0152	EA	88" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	10,154.54 22.00 28.00 41.00	128.39
08 38 19 00-0153		1-1/2" Thick, Polymer Cell Core Impact Traffic Doors (Eliason HCP-10) (08 38 19) Note: Includes 0.125" thick thermoplastic exterior finish, 14" x 16" acrylic window and 18" high easy spring bumpers.		
08 38 19 00-0154		Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors (08 38 19 00-0153)		
08 38 19 00-0155		84" Height, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors (08 38 19 00-0154)		
08 38 19 00-0156	EA	24" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	3,635.32 6.00 19.00	70.61
08 38 19 00-0157	EA	28" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	3,827.96 6.00 19.00	70.61
08 38 19 00-0158	EA	30" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	4,007.10 6.00 19.00	73.82
08 38 19 00-0159	EA	32" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	4,120.03 6.00 19.00	73.82
08 38 19 00-0160	EA	36" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	4,405.48 6.00 19.00	77.03
08 38 19 00-0161	EA	40" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	4,631.33 6.00 19.00	77.03
08 38 19 00-0162	EA	42" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	4,829.91 6.00 19.00	86.66

08 Openings**08 30 Specialty Doors and Frames****08 38 Traffic Doors**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 38 19 00-0163	EA	44" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	5,042.48	86.66
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	

08 38 19 00-0164 90" Height, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors
(08 38 19 00-0154)

08 38 19 00-0165	EA	24" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	3,768.17	70.61
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0166	EA	28" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,000.67	70.61
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0167	EA	30" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,120.03	73.82
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0168	EA	32" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,279.46	73.82
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0169	EA	36" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,584.83	77.03
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0170	EA	40" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,857.19	77.03
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0171	EA	42" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	5,042.48	86.66
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0172	EA	44" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	5,241.76	86.66
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	

08 38 19 00-0173 96" Height, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors
(08 38 19 00-0154)

08 38 19 00-0174	EA	24" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,106.96	70.61
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0175	EA	28" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,153.46	70.61
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0176	EA	30" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,352.53	73.82
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0177	EA	32" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,498.67	73.82
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0178	EA	36" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,810.69	77.03
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0179	EA	40" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	5,136.18	77.03
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0180	EA	42" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	5,308.19	86.66
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0181	EA	44" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	5,507.47	86.66
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	

08 38 19 00-0182 Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors
(08 38 19 00-0153)
08 38 19 00-0183 84" Height, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors
(08 38 19 00-0182)

08 38 19 00-0184	EA	48" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	7,232.12	121.97
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0185	EA	56" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	7,617.40	121.97
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0186	EA	60" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	7,962.82	121.97
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0187	EA	64" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	8,188.68	121.97
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0188	EA	72" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	8,759.55	128.39
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0189	EA	80" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	9,211.26	128.39
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0190	EA	84" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	9,569.97	128.39
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0191	EA	88" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	9,995.11 6.00 19.00	128.39
08 38 19 00-0192		90" Height, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors (08 38 19 00-0192)		
08 38 19 00-0193	EA	48" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	7,497.83 6.00 19.00	121.97
08 38 19 00-0194	EA	56" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	7,962.82 6.00 19.00	121.97
08 38 19 00-0195	EA	60" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	8,188.68 6.00 19.00	121.97
08 38 19 00-0196	EA	64" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	8,507.53 6.00 19.00	121.97
08 38 19 00-0197	EA	72" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	9,118.26 6.00 19.00	128.39
08 38 19 00-0198	EA	80" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	9,662.97 6.00 19.00	128.39
08 38 19 00-0199	EA	84" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	9,995.11 6.00 19.00	128.39
08 38 19 00-0200	EA	88" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	10,393.68 6.00 19.00	128.39
08 38 19 00-0201		96" Height, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors (08 38 19 00-0192)		
08 38 19 00-0202	EA	48" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	8,175.39 6.00 19.00	121.97
08 38 19 00-0203	EA	56" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	8,268.39 6.00 19.00	121.97
08 38 19 00-0204	EA	60" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	8,653.67 6.00 19.00	121.97
08 38 19 00-0205	EA	64" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	8,945.95 6.00 19.00	121.97
08 38 19 00-0206	EA	72" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	9,569.97 6.00 19.00	128.39
08 38 19 00-0207	EA	80" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	10,220.96 6.00 19.00	128.39
08 38 19 00-0208	EA	84" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	10,526.53 6.00 19.00	128.39
08 38 19 00-0209	EA	88" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	10,925.10 6.00 19.00	128.39
08 38 19 00-0210		1-1/2" Thick, Urethane Foam Core Impact Traffic Doors (Eliason HFG-10) (08 38 19) Note: Includes 0.125" thick thermoplastic exterior finish, 14" x 16" acrylic window, 18" high easy spring bumpers, and perimeter gasketing.		
08 38 19 00-0211		Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors (08 38 19 00-0210)		
08 38 19 00-0212		84" Height, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors (08 38 19 00-0211)		
08 38 19 00-0213	EA	24" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,635.32 6.00 19.00	70.61
08 38 19 00-0214	EA	28" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,827.96 6.00 19.00	70.61
08 38 19 00-0215	EA	30" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	4,007.10 6.00 19.00	73.82
08 38 19 00-0216	EA	32" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	4,120.03 6.00 19.00	73.82
08 38 19 00-0217	EA	36" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	4,405.48 6.00 19.00	77.03
08 38 19 00-0218	EA	40" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	4,631.33 6.00 19.00	77.03

08	08	Openings
	08 30	Specialty Doors and Frames
	08 38	Traffic Doors



		MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0219	EA	42" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door			.....	4,829.91	86.66
		For Each 15" x 20" Window, Add			.....	6.00	
		For Each 18" x 30" Window, Add			.....	19.00	
08 38 19 00-0220	EA	44" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door			.....	5,042.48	86.66
		For Each 15" x 20" Window, Add			.....	6.00	
		For Each 18" x 30" Window, Add			.....	19.00	
08 38 19 00-0221 90" Height, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors (08 38 19 00-0211)							
08 38 19 00-0222	EA	24" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door			.....	3,768.17	70.61
		For Each 15" x 20" Window, Add			.....	6.00	
		For Each 18" x 30" Window, Add			.....	19.00	
08 38 19 00-0223	EA	28" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door			.....	4,000.67	70.61
		For Each 15" x 20" Window, Add			.....	6.00	
		For Each 18" x 30" Window, Add			.....	19.00	
08 38 19 00-0224	EA	30" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door			.....	4,120.03	73.82
		For Each 15" x 20" Window, Add			.....	6.00	
		For Each 18" x 30" Window, Add			.....	19.00	
08 38 19 00-0225	EA	32" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door			.....	4,279.46	73.82
		For Each 15" x 20" Window, Add			.....	6.00	
		For Each 18" x 30" Window, Add			.....	19.00	
08 38 19 00-0226	EA	36" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door			.....	4,584.83	77.03
		For Each 15" x 20" Window, Add			.....	6.00	
		For Each 18" x 30" Window, Add			.....	19.00	
08 38 19 00-0227	EA	40" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door			.....	4,857.19	77.03
		For Each 15" x 20" Window, Add			.....	6.00	
		For Each 18" x 30" Window, Add			.....	19.00	
08 38 19 00-0228	EA	42" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door			.....	5,042.48	86.66
		For Each 15" x 20" Window, Add			.....	6.00	
		For Each 18" x 30" Window, Add			.....	19.00	
08 38 19 00-0229	EA	44" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door			.....	5,241.76	86.66
		For Each 15" x 20" Window, Add			.....	6.00	
		For Each 18" x 30" Window, Add			.....	19.00	
08 38 19 00-0230 96" Height, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors (08 38 19 00-0211)							
08 38 19 00-0231	EA	24" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door			.....	4,106.96	70.61
		For Each 15" x 20" Window, Add			.....	6.00	
		For Each 18" x 30" Window, Add			.....	19.00	
08 38 19 00-0232	EA	28" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door			.....	4,153.46	70.61
		For Each 15" x 20" Window, Add			.....	6.00	
		For Each 18" x 30" Window, Add			.....	19.00	
08 38 19 00-0233	EA	30" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door			.....	4,352.53	73.82
		For Each 15" x 20" Window, Add			.....	6.00	
		For Each 18" x 30" Window, Add			.....	19.00	
08 38 19 00-0234	EA	32" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door			.....	4,498.67	73.82
		For Each 15" x 20" Window, Add			.....	6.00	
		For Each 18" x 30" Window, Add			.....	19.00	
08 38 19 00-0235	EA	36" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door			.....	4,810.69	77.03
		For Each 15" x 20" Window, Add			.....	6.00	
		For Each 18" x 30" Window, Add			.....	19.00	
08 38 19 00-0236	EA	40" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door			.....	5,136.18	77.03
		For Each 15" x 20" Window, Add			.....	6.00	
		For Each 18" x 30" Window, Add			.....	19.00	
08 38 19 00-0237	EA	42" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door			.....	5,308.19	86.66
		For Each 15" x 20" Window, Add			.....	6.00	
		For Each 18" x 30" Window, Add			.....	19.00	
08 38 19 00-0238	EA	44" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door			.....	5,507.47	86.66
		For Each 15" x 20" Window, Add			.....	6.00	
		For Each 18" x 30" Window, Add			.....	19.00	
08 38 19 00-0239 Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors (08 38 19 00-0210)							
08 38 19 00-0240 84" Height, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors (08 38 19 00-0239)							
08 38 19 00-0241	EA	48" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door			.....	7,232.12	121.97
		For Each 15" x 20" Window, Add			.....	6.00	
		For Each 18" x 30" Window, Add			.....	19.00	
08 38 19 00-0242	EA	56" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door			.....	7,617.40	121.97
		For Each 15" x 20" Window, Add			.....	6.00	
		For Each 18" x 30" Window, Add			.....	19.00	
08 38 19 00-0243	EA	60" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door			.....	7,962.82	121.97
		For Each 15" x 20" Window, Add			.....	6.00	
		For Each 18" x 30" Window, Add			.....	19.00	
08 38 19 00-0244	EA	64" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door			.....	8,188.68	121.97
		For Each 15" x 20" Window, Add			.....	6.00	
		For Each 18" x 30" Window, Add			.....	19.00	
08 38 19 00-0245	EA	72" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door			.....	8,759.55	128.39
		For Each 15" x 20" Window, Add			.....	6.00	
		For Each 18" x 30" Window, Add			.....	19.00	
08 38 19 00-0246	EA	80" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door			.....	9,211.26	128.39
		For Each 15" x 20" Window, Add			.....	6.00	
		For Each 18" x 30" Window, Add			.....	19.00	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0247 EA 84" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	9,569.97	128.39
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0248 EA 88" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	9,995.11	128.39
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0249 90" Height, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors (08 38 19 00-0239)		
08 38 19 00-0250 EA 48" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	7,497.83	121.97
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0251 EA 56" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	7,962.82	121.97
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0252 EA 60" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	8,188.68	121.97
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0253 EA 64" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	8,507.53	121.97
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0254 EA 72" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	9,118.26	128.39
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0255 EA 80" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	9,662.97	128.39
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0256 EA 84" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	9,995.11	128.39
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0257 EA 88" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	10,393.68	128.39
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0258 96" Height, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors (08 38 19 00-0239)		
08 38 19 00-0259 EA 48" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	8,175.39	121.97
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0260 EA 56" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	8,268.39	121.97
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0261 EA 60" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	8,653.67	121.97
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0262 EA 64" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	8,945.95	121.97
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0263 EA 72" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	9,569.97	128.39
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0264 EA 80" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	10,220.96	128.39
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0265 EA 84" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	10,526.53	128.39
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0266 EA 88" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	10,925.10	128.39
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0267 Rigid Impact Traffic Door Accessories (08 38 19)		
08 38 19 00-0268 Bumper Strips For Impact Traffic Doors (08 38 19 00-0267)		
Note: Includes two bumpers per set.		
08 38 19 00-0269 SET 24" Wide, Bumper Strips For Impact Traffic Doors.....	297.14	51.36
08 38 19 00-0270 SET 30" Wide, Bumper Strips For Impact Traffic Doors.....	330.36	51.36
08 38 19 00-0271 SET 36" Wide, Bumper Strips For Impact Traffic Doors.....	356.93	51.36
08 38 19 00-0272 SET 48" Wide, Bumper Strips For Impact Traffic Doors.....	403.43	51.36
08 38 19 00-0273 Easy Spring Bumpers For Impact Traffic Doors (08 38 19 00-0267)		
Note: Includes two bumpers per set.		
08 38 19 00-0274 SET 18" Height, Easy Spring Bumpers For Impact Traffic Doors.....	835.21	51.36
08 38 19 00-0275 SET 24" Height, Easy Spring Bumpers For Impact Traffic Doors.....	1,114.21	51.36
08 38 19 00-0276 SET 36" Height, Easy Spring Bumpers For Impact Traffic Doors.....	1,652.27	51.36
08 38 19 00-0277 SET 42" Height, Easy Spring Bumpers For Impact Traffic Doors.....	1,911.34	51.36
08 38 19 00-0278 SET 48" Height, Easy Spring Bumpers For Impact Traffic Doors.....	2,177.05	51.36
08 38 19 00-0279 Scuff Plates For Impact Traffic Doors (08 38 19 00-0267)		
Note: Includes two 0.090" thermoplastic plates per set.		
08 38 19 00-0280 12" High, Scuff Plates For Impact Traffic Doors (08 38 19 00-0279)		
08 38 19 00-0281 SET 24" Wide x 12" High, Impact Traffic Door Scuff Plates	356.93	51.36

08 Openings**08 30 Specialty Doors and Frames****08 38 Traffic Doors**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 38 19 00-0282	SET	30" Wide x 12" High, Impact Traffic Door Scuff Plates.....	383.50	51.36
08 38 19 00-0283	SET	36" Wide x 12" High, Impact Traffic Door Scuff Plates.....	416.71	51.36
08 38 19 00-0284	SET	42" Wide x 12" High, Impact Traffic Door Scuff Plates.....	463.21	51.36
08 38 19 00-0285	SET	48" Wide x 12" High, Impact Traffic Door Scuff Plates.....	489.78	51.36

08 38 19 00-0286 24" High, Scuff Plates For Impact Traffic Doors (08 38 19 00-0279)

08 38 19 00-0287	SET	24" Wide x 24" High, Impact Traffic Door Scuff Plates.....	489.78	51.36
08 38 19 00-0288	SET	30" Wide x 24" High, Impact Traffic Door Scuff Plates.....	609.35	51.36
08 38 19 00-0289	SET	36" Wide x 24" High, Impact Traffic Door Scuff Plates.....	675.78	51.36
08 38 19 00-0290	SET	42" Wide x 24" High, Impact Traffic Door Scuff Plates.....	768.78	51.36
08 38 19 00-0291	SET	48" Wide x 24" High, Impact Traffic Door Scuff Plates.....	828.57	51.36

08 38 19 00-0292 30" High, Scuff Plates For Impact Traffic Doors (08 38 19 00-0279)

08 38 19 00-0293	SET	24" Wide x 30" High, Impact Traffic Door Scuff Plates.....	609.35	51.36
08 38 19 00-0294	SET	30" Wide x 30" High, Impact Traffic Door Scuff Plates.....	715.64	51.36
08 38 19 00-0295	SET	36" Wide x 30" High, Impact Traffic Door Scuff Plates.....	795.35	51.36
08 38 19 00-0296	SET	42" Wide x 30" High, Impact Traffic Door Scuff Plates.....	941.49	51.36
08 38 19 00-0297	SET	48" Wide x 30" High, Impact Traffic Door Scuff Plates.....	1,041.14	51.36

08 38 19 00-0298 36" High, Scuff Plates For Impact Traffic Doors (08 38 19 00-0279)

08 38 19 00-0299	SET	24" Wide x 36" High, Impact Traffic Door Scuff Plates.....	675.78	51.36
08 38 19 00-0300	SET	30" Wide x 36" High, Impact Traffic Door Scuff Plates.....	795.35	51.36
08 38 19 00-0301	SET	36" Wide x 36" High, Impact Traffic Door Scuff Plates.....	928.21	51.36
08 38 19 00-0302	SET	42" Wide x 36" High, Impact Traffic Door Scuff Plates.....	1,001.28	51.36
08 38 19 00-0303	SET	48" Wide x 36" High, Impact Traffic Door Scuff Plates.....	1,114.21	51.36

08 38 19 00-0304 48" High, Scuff Plates For Impact Traffic Doors (08 38 19 00-0279)

08 38 19 00-0305	SET	24" Wide x 48" High, Impact Traffic Door Scuff Plates.....	828.57	51.36
08 38 19 00-0306	SET	30" Wide x 48" High, Impact Traffic Door Scuff Plates.....	1,041.14	51.36
08 38 19 00-0307	SET	36" Wide x 48" High, Impact Traffic Door Scuff Plates.....	1,114.21	51.36
08 38 19 00-0308	SET	42" Wide x 48" High, Impact Traffic Door Scuff Plates.....	1,253.70	51.36
08 38 19 00-0309	SET	48" Wide x 48" High, Impact Traffic Door Scuff Plates.....	1,406.49	51.36

08 38 19 00-0310 Base Plates For Impact Traffic Doors (08 38 19 00-0267)

Note: Includes two base plates per set.

08 38 19 00-0311 Galvanized, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0310)

08 38 19 00-0312 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0311)

08 38 19 00-0313	SET	24" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	343.64	51.36
08 38 19 00-0314	SET	30" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	370.21	51.36
08 38 19 00-0315	SET	36" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	383.50	51.36
08 38 19 00-0316	SET	42" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	443.28	51.36
08 38 19 00-0317	SET	48" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	469.86	51.36

08 38 19 00-0318 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0311)

08 38 19 00-0319	SET	24" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	443.28	51.36
08 38 19 00-0320	SET	30" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	483.14	51.36
08 38 19 00-0321	SET	36" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	523.00	51.36
08 38 19 00-0322	SET	42" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	556.21	51.36
08 38 19 00-0323	SET	48" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	609.35	51.36

08 38 19 00-0324 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0311)

08 38 19 00-0325	SET	24" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	509.71	51.36
08 38 19 00-0326	SET	30" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	542.93	51.36
08 38 19 00-0327	SET	36" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	622.64	51.36
08 38 19 00-0328	SET	42" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	709.00	51.36
08 38 19 00-0329	SET	48" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	748.85	51.36

08 38 19 00-0330 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0311)

08 38 19 00-0331	SET	24" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	542.93	51.36
08 38 19 00-0332	SET	30" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	609.35	51.36
08 38 19 00-0333	SET	36" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	709.00	51.36
08 38 19 00-0334	SET	42" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	788.71	51.36
08 38 19 00-0335	SET	48" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	835.21	51.36

08 38 19 00-0336 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0311)

08 38 19 00-0337	SET	24" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	695.71	51.36
08 38 19 00-0338	SET	30" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	788.71	51.36
08 38 19 00-0339	SET	36" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	914.92	51.36
08 38 19 00-0340	SET	42" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	974.71	51.36
08 38 19 00-0341	SET	48" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	1,054.42	51.36

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0342		Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0310)		
08 38 19 00-0343		12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0342)		
08 38 19 00-0344	SET	24" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	463.21	51.36
08 38 19 00-0345	SET	30" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	489.78	51.36
08 38 19 00-0346	SET	36" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	569.50	51.36
08 38 19 00-0347	SET	42" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	609.35	51.36
08 38 19 00-0348	SET	48" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	722.28	51.36
08 38 19 00-0349		24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0342)		
08 38 19 00-0350	SET	24" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	649.21	51.36
08 38 19 00-0351	SET	30" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	768.78	51.36
08 38 19 00-0352	SET	36" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	888.35	51.36
08 38 19 00-0353	SET	42" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,034.49	51.36
08 38 19 00-0354	SET	48" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,167.35	51.36
08 38 19 00-0355		30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0342)		
08 38 19 00-0356	SET	24" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	742.21	51.36
08 38 19 00-0357	SET	30" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	901.64	51.36
08 38 19 00-0358	SET	36" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,047.78	51.36
08 38 19 00-0359	SET	42" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,200.56	51.36
08 38 19 00-0360	SET	48" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,379.92	51.36
08 38 19 00-0361		36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0342)		
08 38 19 00-0362	SET	24" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	861.78	51.36
08 38 19 00-0363	SET	30" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,034.49	51.36
08 38 19 00-0364	SET	36" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,233.78	51.36
08 38 19 00-0365	SET	42" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,426.42	51.36
08 38 19 00-0366	SET	48" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,592.49	51.36
08 38 19 00-0367		48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0342)		
08 38 19 00-0368	SET	24" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,074.35	51.36
08 38 19 00-0369	SET	30" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,486.20	51.36
08 38 19 00-0370	SET	36" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,592.49	51.36
08 38 19 00-0371	SET	42" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,911.34	51.36
08 38 19 00-0372	SET	48" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	2,097.34	51.36
08 38 19 00-0373		One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0310)		
08 38 19 00-0374		12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0373)		
08 38 19 00-0375	SET	24" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	410.07	51.36
08 38 19 00-0376	SET	30" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	443.28	51.36
08 38 19 00-0377	SET	36" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	483.14	51.36
08 38 19 00-0378	SET	42" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	529.64	51.36
08 38 19 00-0379	SET	48" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	602.71	51.36
08 38 19 00-0380		24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0373)		
08 38 19 00-0381	SET	24" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	556.21	51.36
08 38 19 00-0382	SET	30" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	635.93	51.36
08 38 19 00-0383	SET	36" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	715.64	51.36
08 38 19 00-0384	SET	42" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	802.00	51.36
08 38 19 00-0385	SET	48" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	901.64	51.36
08 38 19 00-0386		30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0373)		
08 38 19 00-0387	SET	24" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	635.93	51.36
08 38 19 00-0388	SET	30" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	735.57	51.36
08 38 19 00-0389	SET	36" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	848.49	51.36
08 38 19 00-0390	SET	42" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	987.99	51.36
08 38 19 00-0391	SET	48" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,080.99	51.36
08 38 19 00-0392		36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0373)		
08 38 19 00-0393	SET	24" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	715.64	51.36
08 38 19 00-0394	SET	30" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	848.49	51.36
08 38 19 00-0395	SET	36" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	987.99	51.36
08 38 19 00-0396	SET	42" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,127.49	51.36
08 38 19 00-0397	SET	48" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,227.13	51.36

08 Openings**08 30 Specialty Doors and Frames****08 38 Traffic Doors**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 38 19 00-0398	48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0373)		
08 38 19 00-0399	SET 24" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	901.64	51.36
08 38 19 00-0400	SET 30" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,107.56	51.36
08 38 19 00-0401	SET 36" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,227.13	51.36
08 38 19 00-0402	SET 42" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,466.27	51.36
08 38 19 00-0403	SET 48" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,532.70	51.36
08 38 19 00-0404	Jamb Guards For Impact Traffic Doors (08 38 19 00-0267)		
08 38 19 00-0405	EA 3" x 9", Jamb Guard For Impact Traffic Doors	562.40	64.19
08 38 19 00-0406	EA 5" x 18", Jamb Guard For Impact Traffic Doors	761.68	64.19
08 38 19 00-0407	EA 5" x 18", Stainless Steel Jamb Guard For Impact Traffic Doors.....	1,492.39	64.19
08 38 19 00-0408	Other Impact Traffic Door Accessories (08 38 19 00-0267)		
08 38 19 00-0409	EA Push Plate For Impact Traffic Doors	138.37	32.09
08 38 19 00-0410	EA Pull Handle For Impact Traffic Doors	184.87	32.09
08 38 19 00-0411	EA Deadbolt Lock For Impact Traffic Doors	470.51	32.09
08 38 19 00-0412	PR Lock Hole Reinforcements For Impact Traffic Doors	590.08	32.09
08 38 19 00-0413	PR Padlock Brackets For Impact Traffic Doors	231.37	32.09
08 38 19 00-0414	Impact Traffic Door Knock Down Frames (08 38 19)		
	Note: Frames are 16 gauge galvanized steel with reinforcement at hardware locations.		
08 38 19 00-0415	Single Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0414)		
08 38 19 00-0416	84" Height, Single Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0415)		
08 38 19 00-0417	EA 24" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	1,379.05	96.29
08 38 19 00-0418	EA 28" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	1,624.30	105.92
08 38 19 00-0419	EA 30" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	1,659.70	112.34
08 38 19 00-0420	EA 32" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	1,698.71	121.97
08 38 19 00-0421	EA 36" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	1,736.99	128.39
08 38 19 00-0422	EA 40" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	1,810.74	134.81
08 38 19 00-0423	EA 42" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	1,864.36	141.23
08 38 19 00-0424	EA 44" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	1,899.52	147.64
08 38 19 00-0425	90" Height, Single Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0415)		
08 38 19 00-0426	EA 24" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	1,408.68	96.29
08 38 19 00-0427	EA 28" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	1,659.57	105.92
08 38 19 00-0428	EA 30" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	1,695.59	112.34
08 38 19 00-0429	EA 32" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	1,735.08	121.97
08 38 19 00-0430	EA 36" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	1,773.99	128.39
08 38 19 00-0431	EA 40" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	1,849.27	134.81
08 38 19 00-0432	EA 42" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	1,903.89	141.23
08 38 19 00-0433	EA 44" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	1,939.65	147.64
08 38 19 00-0434	96" Height, Single Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0415)		
08 38 19 00-0435	EA 24" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	1,448.07	96.29
08 38 19 00-0436	EA 28" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	1,706.47	105.92
08 38 19 00-0437	EA 30" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	1,743.22	112.34
08 38 19 00-0438	EA 32" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	1,771.72	121.97
08 38 19 00-0439	EA 36" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	1,823.15	128.39
08 38 19 00-0440	EA 40" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	1,887.79	134.81
08 38 19 00-0441	EA 42" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	1,956.43	141.23
08 38 19 00-0442	EA 44" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	1,995.84	144.43
08 38 19 00-0443	Double Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0414)		
08 38 19 00-0444	84" Height, Double Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0443)		
08 38 19 00-0445	EA 48" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	1,933.73	147.64
08 38 19 00-0446	EA 56" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	1,964.31	150.21
08 38 19 00-0447	EA 60" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,003.04	154.06
08 38 19 00-0448	EA 64" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,054.07	160.48
08 38 19 00-0449	EA 72" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,085.18	166.90
08 38 19 00-0450	EA 80" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,156.83	168.19
08 38 19 00-0451	EA 84" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,204.63	170.11
08 38 19 00-0452	EA 88" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,261.97	173.32
08 38 19 00-0453	90" Height, Double Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0443)		
08 38 19 00-0454	EA 48" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	1,974.65	147.64
08 38 19 00-0455	EA 56" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,005.83	150.21
08 38 19 00-0456	EA 60" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,045.42	154.06
08 38 19 00-0457	EA 64" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,097.38	160.48
08 38 19 00-0458	EA 72" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,129.02	166.90
08 38 19 00-0459	EA 80" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,202.33	168.19
08 38 19 00-0460	EA 84" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,251.23	170.11
08 38 19 00-0461	EA 88" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,309.86	173.32

		Openings	08	08
		Specialty Doors and Frames	08 30	
		Traffic Doors	08 38	
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
		UNIT COST	UNIT COST	

08 38 19 00-0462	96" Height, Double Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0443)			
08 38 19 00-0463	EA 48" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,022.42		147.64
08 38 19 00-0464	EA 56" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,047.28		150.21
08 38 19 00-0465	EA 60" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,101.68		154.06
08 38 19 00-0466	EA 64" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,140.70		160.48
08 38 19 00-0467	EA 72" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,187.15		166.90
08 38 19 00-0468	EA 80" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,269.42		168.19
08 38 19 00-0469	EA 84" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,313.14		170.11
08 38 19 00-0470	EA 88" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,361.84		173.32

08 40 Entrances, Storefronts, and Curtain Walls (08)

08 42 Entrances (08 40)

08 42 13 Aluminum-Framed Entrances (08 42)

08 42 13 00-0001 Aluminum Framed Entrance Doors (08 42 13)

Note: Includes frame, trim, necessary anchors, tempered glass, standard hardware (hinges, pull handle, push plate, threshold, door sweep) and prepared for panic device. Fixed doors mullion (on pairs). Excludes exit device and closer. See CSI section 08 71 11 00-2141 for exit device, 08 71 11 00-2296 for closer.

08 42 13 00-0002	EA 3' x 7' x 1-3/4" Medium Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors	5,694.43		729.08
	Note: Including Glazing, Trim And Hardware			
	For Bronze Finish, Add	510.75		
	For Black Finish, Add	1,466.91		
	For 8' High Door, Add	529.16		
	For 10' High Door, Add	1,150.34		
	For 1" Insulated Glazing, Add	157.42		
08 42 13 00-0003	EA 3'-6" x 7' x 1-3/4" Medium Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors	5,833.55		801.22
	Note: Including Glazing, Trim And Hardware			
	For Bronze Finish, Add	514.06		
	For Black Finish, Add	1,476.42		
	For 8' High Door, Add	532.58		
	For 10' High Door, Add	1,157.79		
	For 1" Insulated Glazing, Add	157.42		
08 42 13 00-0004	PR 6' x 7' x 1-3/4" Medium Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors	9,609.03		1,093.40
	Note: Including Glazing, Trim And Hardware			
	For Bronze Finish, Add	884.97		
	For Black Finish, Add	2,541.70		
	For 8' High Door, Add	916.66		
	For 10' High Door, Add	1,993.18		
	For 1" Insulated Glazing, Add	314.84		
08 42 13 00-0005	PR 7' x 7' x 1-3/4" Medium Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors	11,232.30		1,191.44
	Note: Including Glazing, Trim And Hardware			
	For Bronze Finish, Add	1,047.80		
	For Black Finish, Add	3,009.37		
	For 8' High Door, Add	1,085.56		
	For 10' High Door, Add	2,359.92		
	For 1" Insulated Glazing, Add	314.84		
08 42 13 00-0006	EA 3' x 7' x 1-3/4" Wide Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors	6,320.57		729.08
	Note: Including Glazing, Trim And Hardware			
	For Bronze Finish, Add	580.25		
	For Black Finish, Add	1,666.53		
	For 8' High Door, Add	601.16		
	For 10' High Door, Add	1,306.88		
	For 1" Insulated Glazing, Add	157.42		
08 42 13 00-0007	EA 3'-6" x 7' x 1-3/4" Wide Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors	6,498.46		801.22
	Note: Including Glazing, Trim And Hardware			
	For Bronze Finish, Add	587.86		
	For Black Finish, Add	1,688.39		
	For 8' High Door, Add	609.05		
	For 10' High Door, Add	1,324.02		
	For 1" Insulated Glazing, Add	157.42		
08 42 13 00-0008	PR 6' x 7' x 1-3/4" Wide Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors	10,792.74		1,093.40
	Note: Including Glazing, Trim And Hardware			
	For Bronze Finish, Add	1,016.36		
	For Black Finish, Add	2,919.06		
	For 8' High Door, Add	1,052.99		
	For 10' High Door, Add	2,289.10		
	For 1" Insulated Glazing, Add	314.84		
08 42 13 00-0009	PR 7' x 7' x 1-3/4" Wide Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors	12,381.45		1,191.44
	Note: Including Glazing, Trim And Hardware			
	For Bronze Finish, Add	1,175.36		
	For Black Finish, Add	3,375.72		
	For 8' High Door, Add	1,217.71		
	For 10' High Door, Add	2,647.21		
	For 1" Insulated Glazing, Add	314.84		

08 42 26 All-Glass Entrances (08 42)

08 42 26 00-0001 Full Glass Entrance Doors (08 42 26)

Note: Includes trim, necessary anchors, tempered glass, and standard hardware (hinges, handle, push plate, lock, closer). Excludes panic devices.

08 Openings**08 40 Entrances, Storefronts, and Curtain Walls****08 42 Entrances**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 42 26 00-0002	EA	3' x 7' x 1/2" Thick, Full Glass, Tempered, Glass Entrance Door	7,468.55	273.27
		Note: Including Trim And Hardware		
		For Anodized Color, Add	1,147.59	
		For Stainless Steel, Add	4,144.06	
		For 8' High Door, Add	733.18	
		For 10' High Door, Add	1,593.87	
		For 1" Insulated Glazing, Add	157.42	
08 42 26 00-0003	PR	6' x 7' x 1/2" Thick, Full Glass, Tempered, Glass Entrance Door (Per Pair 3' x 7' x 1/2")	13,599.23	327.92
		Note: Including Trim And Hardware		
		For Anodized Color, Add	2,166.79	
		For Stainless Steel, Add	7,824.51	
		For 8' High Door, Add	1,384.34	
		For 10' High Door, Add	3,009.43	
		For 1" Insulated Glazing, Add	314.84	
08 42 26 00-0004	EA	3' x 7' x 5/8" Thick, Full Glass, Tempered, Glass Entrance Door	8,617.12	273.27
		Note: Including Trim And Hardware		
		For Anodized Color, Add	1,354.33	
		For Stainless Steel, Add	4,890.63	
		For 8' High Door, Add	865.27	
		For 10' High Door, Add	1,881.01	
		For 1" Insulated Glazing, Add	157.42	
08 42 26 00-0005	PR	6' x 7' x 5/8" Thick, Full Glass, Tempered, Glass Entrance Door (Per Pair 3' x 7' x 5/8")	16,072.19	327.92
		Note: Including Trim And Hardware		
		For Anodized Color, Add	2,611.92	
		For Stainless Steel, Add	9,431.93	
		For 8' High Door, Add	1,668.73	
		For 10' High Door, Add	3,627.67	
		For 1" Insulated Glazing, Add	314.84	
08 42 26 00-0006	EA	3' x 7' x 3/4" Thick, Full Glass, Tempered, Glass Entrance Door	9,761.20	273.27
		Note: Including Trim And Hardware		
		For Anodized Color, Add	1,560.26	
		For Stainless Steel, Add	5,634.28	
		For 8' High Door, Add	996.83	
		For 10' High Door, Add	2,167.03	
		For 1" Insulated Glazing, Add	157.42	
08 42 26 00-0007	PR	6' x 7' x 3/4" Thick, Full Glass, Tempered, Glass Entrance Door (Per Pair 3' x 7' x 3/4")	18,541.12	327.92
		Note: Including Trim And Hardware		
		For Anodized Color, Add	3,056.33	
		For Stainless Steel, Add	11,036.73	
		For 8' High Door, Add	1,952.65	
		For 10' High Door, Add	4,244.90	
		For 1" Insulated Glazing, Add	314.84	
08 42 26 00-0008	EA	3' x 7' x 1" Thick, Full Glass, Tempered, Glass Entrance Door	12,053.79	273.27
		Note: Including Trim And Hardware		
		For Anodized Color, Add	1,972.93	
		For Stainless Steel, Add	7,124.47	
		For 8' High Door, Add	1,260.48	
		For 10' High Door, Add	2,740.18	
		For 1" Insulated Glazing, Add	157.42	
08 42 26 00-0009	PR	6' x 7' x 1" Thick, Full Glass, Tempered, Glass Entrance Door (Per Pair 3' x 7' x 1")	23,482.98	327.92
		Note: Including Trim And Hardware		
		For Anodized Color, Add	3,945.86	
		For Stainless Steel, Add	14,248.94	
		For 8' High Door, Add	2,520.97	
		For 10' High Door, Add	5,480.36	
		For 1" Insulated Glazing, Add	314.84	

08 42 26 00-0010 Frames For Full Glass Doors (08 42 26)

08 42 26 00-0011	LF	Glass Entrance Door, Light Weight Aluminum Frame, 1/8" x 17" Shaped Jamb - Head	32.80	3.28
08 42 26 00-0012	LF	Glass Entrance Door, Heavy Weight Aluminum Frame, 1/8" x 17" Shaped Jamb - Head	42.12	4.37

08 42 29 Automatic Entrances (08 42)**08 42 29 23 Sliding Automatic Entrances (08 42 29)**

Note: Power-operated automatic sliding doors may be used as emergency egress doors as they can break-out in the direction of egress. Excludes glazing. See CSI section 08 80 00 00-0000 for glazing.

08 42 29 23-0001 Bronze Finished Framed Sliding Automatic Entrances (08 42 29 23)**08 42 29 23-0002 2 Panel, Bronze Finished Framed Sliding Automatic Entrance (08 42 29 23-0001)**

Note: Single sliding.

08 42 29 23-0003	EA	5'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance	4,101.50	109.30
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	291.22	
		For Emergency Egress On All Panels, Add	776.58	
08 42 29 23-0004	EA	6'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance	4,525.50	147.57
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	317.28	
		For Emergency Egress On All Panels, Add	846.07	
08 42 29 23-0005	EA	7'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance	4,918.67	163.96
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	344.31	
		For Emergency Egress On All Panels, Add	918.15	
08 42 29 23-0006	EA	8'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance	5,300.24	180.36
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	370.46	
		For Emergency Egress On All Panels, Add	987.91	
08 42 29 23-0007	EA	10'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance	6,987.00	218.62
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	491.23	
		For Emergency Egress On All Panels, Add	1,309.95	
08 42 29 23-0008	EA	12'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance	7,218.11	256.87
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	502.83	
		For Emergency Egress On All Panels, Add	1,340.87	

		Openings	08	88
		Entrances, Storefronts, and Curtain Walls	08 40	
		Entrances	08 42	
MINOR	DESCRIPTION	TOTAL DIRECT	DEMOLITION	
CSI	UOM	UNIT COST	UNIT COST	

08 42 29 23-0009	EA 15'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	9,709.49 683.94 1,823.85	295.13	
08 42 29 23-0010	4 Panel, Bronze Finished Framed Sliding Automatic Entrance (08 42 29 23-0001) Note: Bi-parting.			
08 42 29 23-0011	EA 12'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	8,145.47 569.92 1,519.79	273.27	
08 42 29 23-0012	EA 14'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	8,929.89 624.65 1,665.74	300.59	
08 42 29 23-0013	EA 16'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	9,714.31 679.39 1,811.69	327.92	
08 42 29 23-0014	EA 18'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	11,796.98 831.49 2,217.30	355.25	
08 42 29 23-0015	EA 20'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	13,879.67 983.59 2,622.90	382.46	
08 42 29 23-0016	Aluminum Finished Framed Sliding Automatic Entrances (08 42 29 23)			
08 42 29 23-0017	2 Panel, Aluminum Finished Framed Sliding Automatic Entrance (08 42 29 23-0016) Note: Single sliding.			
08 42 29 23-0018	EA 5'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	3,735.68 263.78 703.41	109.30	
08 42 29 23-0019	EA 6'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	4,126.99 287.39 766.37	147.57	
08 42 29 23-0020	EA 7'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	4,479.48 311.37 830.31	163.96	
08 42 29 23-0021	EA 8'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	4,834.88 335.56 894.83	180.36	
08 42 29 23-0022	EA 9'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	5,602.44 390.26 1,040.69	199.49	
08 42 29 23-0023	EA 10'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	6,369.99 444.96 1,186.55	218.62	
08 42 29 23-0024	EA 12'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	6,586.50 455.46 1,214.55	256.87	
08 42 29 23-0025	EA 15'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	8,850.47 619.52 1,652.04	295.13	
08 42 29 23-0026	4 Panel, Aluminum Finished Framed Sliding Automatic Entrance (08 42 29 23-0016) Note: Bi-parting.			
08 42 29 23-0027	EA 10'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	7,058.14 490.42 1,307.79	259.61	
08 42 29 23-0028	EA 12'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	7,429.63 516.23 1,376.62	273.27	
08 42 29 23-0029	EA 14'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	8,145.26 565.81 1,508.81	300.59	
08 42 29 23-0030	EA 16'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	8,860.90 615.38 1,641.01	327.92	
08 42 29 23-0031	EA 18'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	10,752.57 753.16 2,008.42	355.25	
08 42 29 23-0032	EA 20'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	12,644.24 890.93 2,375.82	382.46	
08 42 29 23-0033	Stainless Steel Framed Sliding Automatic Entrances (08 42 29 23)			
08 42 29 23-0034	2 Panel, Stainless Steel Framed Sliding Automatic Entrance (08 42 29 23-0033) Note: Single sliding.			
08 42 29 23-0035	EA 5'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	4,719.75 337.58 900.23	109.30	
08 42 29 23-0036	EA 6'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	5,199.14 367.80 980.80	147.57	
08 42 29 23-0037	EA 7'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	6,053.97 429.45 1,145.21	163.96	

08 Openings**08 40 Entrances, Storefronts, and Curtain Walls****08 42 Entrances**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 42 29 23-0038	EA	8'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	6,958.70 494.85 1,319.60	180.36
08 42 29 23-0039	EA	10'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	8,029.97 569.46 1,518.55	218.62
08 42 29 23-0040	EA	12'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	8,285.66 582.89 1,554.38	256.87
08 42 29 23-0041	EA	15'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	11,161.68 792.86 2,114.28	295.13

08 42 29 23-0042 4 Panel, Stainless Steel Framed Sliding Automatic Entrance (08 42 29 23-0033)

Note: Bi-parting.

08 42 29 23-0043	EA	12'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	9,355.51 660.67 1,761.79	273.27
08 42 29 23-0044	EA	14'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	10,256.09 724.12 1,930.98	300.59
08 42 29 23-0045	EA	16'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	11,156.67 787.56 2,100.17	327.92
08 42 29 23-0046	EA	18'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	13,562.34 963.89 2,570.37	355.25
08 42 29 23-0047	EA	20'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	15,968.01 1,140.21 3,040.57	382.57

08 42 29 23-0048 Accessories For Sliding Automatic Entrances (08 42 29 23)

See CSI section 08 42 29 33-0006 for eye operators.

08 42 29 23-0049	EA	Automatic 2 Panel Sliding Door Motor, Activation Eye Or Push Button Controls..... Note: Includes motor for pair of sliding doors (2 panels).	9,325.29	1,283.88
08 42 29 23-0050	EA	Automatic 4 Panel Sliding Door Motor, Activation Eye Or Push Button Controls..... Note: Includes motor for pair of sliding doors (4 panel).	15,840.81	1,925.81

08 42 29 23-0051 Automatic Sliding Door System (08 42 29 23)

08 42 29 23-0052	SF	Entrance Technology Automatic Sliding Door System, #2,000	154.62	12.84
08 42 29 23-0053	SF	Entrance Technology Automatic Sliding Door System, #2010	162.68	12.84
08 42 29 23-0054	SF	Entrance Technology Automatic Sliding Door System, #2020	170.74	12.84
08 42 29 23-0055	SF	Entrance Technology Automatic Sliding Door System, #2030	186.85	12.84

08 42 29 33 Swinging Automatic Entrances (08 42 29)

Note: Excludes glazing.

08 42 29 33-0001 Swing Door Operators, Up To 350 Lb. Panel Weight (08 42 29 33)

Note: Includes electro-mechanical swinging door operator and electrical controls, aluminum header, connecting hardware, actuating controls, and on/off/hold open switch. Excludes activation device, doors, and power connection. Stanley Magic Force or equal.

08 42 29 33-0002	EA	Concealed Single Door Swing Door Operator, Up To 350 Lb. Panel..... Note: For new storefront or existing concealed operator installations.	4,447.09	586.86
08 42 29 33-0003	EA	Concealed Pair Of Doors Swing Door Operator, Up To 350 Lb. Panel..... Note: For new storefront or existing concealed operator installations.	7,721.18	782.52
08 42 29 33-0004	EA	Exposed Single Door Swing Door Operator, Up To 350 Lb. Panel.....	3,703.83	469.49
08 42 29 33-0005	EA	Exposed Pair Of Doors Swing Door Operator, Up To 350 Lb. Panel.....	6,702.79	704.24

08 42 29 33-0006 Activation Devices For Door Operators (08 42 29 33)

08 42 29 33-0007	EA	Overhead Active Infrared Presence Detector For Door Operators (MS Sedco DH97)	473.98	46.95
		Note: Includes wiring harness and relays.		
08 42 29 33-0008	EA	On Door Active Infrared Presence Detector For Door Operator (Stanley Sentrex RS).....	420.10	46.95
		Note: Includes wiring harness and relays.		
08 42 29 33-0009	EA	Microwave Motion Sensor For Door Operator (MS Sedco D38)	424.40	46.95
		Note: Includes wiring harness and relays.		
08 42 29 33-0010	EA	4" x 4", Americans With Disabilities Act Compliant Push Button For Door Operator (MS Sedco 59-H)	202.41	46.95
		Note: Excludes wiring from operator to push plate.		
08 42 29 33-0011	EA	1-1/2" x 4", Americans With Disabilities Act Compliant Push Button For Door Operator (MS Sedco 59J-H)	218.17	46.95
		Note: Excludes wiring from operator to push button.		
08 42 29 33-0012	EA	1-1/16" x 4-1/2", Jamb Mounted Push Button For Door Operator (MS Sedco 425)	141.22	46.95
		Note: Excludes wiring from operator to push button.		
08 42 29 33-0013	EA	Radio Control System For Door Operator (MS Sedco Clearpath)	714.02	117.37
		Note: Includes receiver and two push plate transmitters.		
		<i>For Single Transmitter (Includes Receiver, One Push Plate Transmitter, And One Jamb Mounted Push Button), Deduct</i>	-64.00	
08 42 29 33-0014	EA	Combination Digital Camera/Motion Detector For Door Operators (Stanley StanVision).....	1,027.56	58.68
		Note: Includes wiring harness and relays.		
08 42 29 33-0015	EA	Guard Rail For Door With Operator	257.20	58.68

08 42 33 Revolving Door Entrances (08 42)**08 42 33 00-0001 Aluminum Revolving Doors (08 42 33)**

Note: Includes 3/4" tempered glass.

Cal Poly Humboldt.		Entrances, Storefronts, and Curtain Walls		08 40	08
		Entrances		08 42	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 42 33 00-0002	EA		4'-6" To 5' Diameter Revolving Door 6'-10" To 7' High Door, Aluminum, With Frame And Hardware..... For Automatic Controls, Add For Powder Coated, Add	39,314.32 8,494.85 1,478.54	6,626.93
08 42 33 00-0003	EA		5'-6" To 6' Diameter Revolving Door 6'-10" To 7' High Door, Aluminum, With Frame And Hardware..... For Automatic Controls, Add For Powder Coated, Add	53,435.22 10,317.28 1,857.96	9,940.55
08 42 33 00-0004	EA		6'-6" To 7' Diameter Revolving Door 6'-10" To 7' High Door, Aluminum, With Frame And Hardware..... For Automatic Controls, Add For Powder Coated, Add	80,369.98 11,410.73 3,285.65	11,928.60
08 42 33 00-0005	EA		4'-6" To 5' Diameter Revolving Door 7'-2" To 8' High Door, Aluminum, With Frame And Hardware..... For Automatic Controls, Add For Powder Coated, Add	43,732.00 8,866.77 1,655.81	7,289.56
08 42 33 00-0006	EA		5'-6" To 6' Diameter Revolving Door 7'-2" To 8' High Door, Aluminum, With Frame And Hardware..... For Automatic Controls, Add For Powder Coated, Add	59,121.34 10,814.30 2,080.71	10,934.95
08 42 33 00-0007	EA		6'-6" To 7' Diameter Revolving Door 7'-2" To 8' High Door, Aluminum, With Frame And Hardware..... For Automatic Controls, Add For Powder Coated, Add	89,743.73 12,139.70 3,679.57	13,121.46
08 42 33 00-0008 Stainless Steel Revolving Doors (08 42 33)					
Note: Includes 3/4" tempered glass.					
08 42 33 00-0009	EA		4'-6" To 5' Diameter Revolving Door 6'-10" To 7' High Door, Stainless Steel, With Frame And Hardware..... For Automatic Controls, Add	40,294.44 8,494.85	6,626.93
08 42 33 00-0010	EA		5'-6" To 6' Diameter Revolving Door 6'-10" To 7' High Door, Stainless Steel, With Frame And Hardware..... For Automatic Controls, Add	54,666.84 10,317.28	9,940.55
08 42 33 00-0011	EA		6'-6" To 7' Diameter Revolving Door 6'-10" To 7' High Door, Stainless Steel, With Frame And Hardware..... For Automatic Controls, Add	82,548.01 11,410.73	11,928.60
08 42 33 00-0012	EA		4'-6" To 5' Diameter Revolving Door 7'-2" To 8' High Door, Stainless Steel, With Frame And Hardware..... For Automatic Controls, Add	44,832.23 8,866.77	7,289.56
08 42 33 00-0013	EA		5'-6" To 6' Diameter Revolving Door 7'-2" To 8' High Door, Stainless Steel, With Frame And Hardware..... For Automatic Controls, Add	60,503.91 10,814.30	10,934.95
08 42 33 00-0014	EA		6'-6" To 7' Diameter Revolving Door 7'-2" To 8' High Door, Stainless Steel, With Frame And Hardware..... For Automatic Controls, Add	92,188.69 12,139.70	13,121.46
08 42 33 00-0015 Bronze Revolving Doors (08 42 33)					
Note: Includes 3/4" tempered glass.					
08 42 33 00-0016	EA		4'-6" To 5' Diameter Revolving Door 6'-10" To 7' High Door, Bronze, With Frame And Hardware For Automatic Controls, Add	36,837.94 8,494.85	6,626.93
08 42 33 00-0017	EA		5'-6" To 6' Diameter Revolving Door 6'-10" To 7' High Door, Bronze, With Frame And Hardware For Automatic Controls, Add	50,323.37 10,317.28	9,940.55
08 42 33 00-0018	EA		6'-6" To 7' Diameter Revolving Door 6'-10" To 7' High Door, Bronze, With Frame And Hardware For Automatic Controls, Add	74,866.92 11,410.73	11,928.60
08 42 33 00-0019	EA		4'-6" To 5' Diameter Revolving Door 7'-2" To 8' High Door, Bronze, With Frame And Hardware For Automatic Controls, Add	40,960.96 8,866.77	7,289.56
08 42 33 00-0020	EA		5'-6" To 6' Diameter Revolving Door 7'-2" To 8' High Door, Bronze, With Frame And Hardware For Automatic Controls, Add	55,639.22 10,814.30	10,934.95
08 42 33 00-0021	EA		6'-6" To 7' Diameter Revolving Door 7'-2" To 8' High Door, Bronze, With Frame And Hardware For Automatic Controls, Add	83,585.87 12,139.70	13,121.46
08 42 36 Balanced Door Entrances (08 42)					
08 42 36 00-0001 Balanced Doors, With Glass (08 42 36)					
Note: Includes 3/4" tempered glass, check and door guide, top pivot with bearing, torsion bar closer spring, bottom arm, semi-automatic hold open device, floor box, door roller guide, bottom pivot, top arm.					
08 42 36 00-0002	EA		2'-6" x 7'-0" Balanced Door, Stainless Steel For Bronze Instead Of Stainless Steel, Deduct For 70% Fluoropolymer Exterior Finish (Duranar), Add For Tinted Glass, Add For Aluminum, Painted Finish, Deduct	14,035.64 -3,287.09 1,314.84 657.42 -3,944.51	354.80
08 42 36 00-0003	EA		3'-0" x 7'-0" Balanced Door, Stainless Steel For Bronze Instead Of Stainless Steel, Deduct For 70% Fluoropolymer Exterior Finish (Duranar), Add For Tinted Glass, Add For Aluminum, Painted Finish, Deduct	14,569.60 -3,420.58 1,368.23 684.12 -4,104.70	354.80
08 42 36 00-0004	EA		3'-6" x 7'-0" Balanced Door, Stainless Steel For Bronze Instead Of Stainless Steel, Deduct For 70% Fluoropolymer Exterior Finish (Duranar), Add For Tinted Glass, Add For Aluminum, Painted Finish, Deduct	15,866.44 -3,744.79 1,497.92 748.96 -4,493.75	354.80
08 42 36 00-0005	EA		4'-0" x 7'-0" Balanced Door, Stainless Steel For Bronze Instead Of Stainless Steel, Deduct For 70% Fluoropolymer Exterior Finish (Duranar), Add For Tinted Glass, Add For Aluminum, Painted Finish, Deduct	17,392.17 -4,126.22 1,650.49 825.24 -4,951.47	354.80
08 42 36 00-0006	PR		Pair 3'-0" x 7'-0" Balanced Door, Stainless Steel For Bronze Instead Of Stainless Steel, Deduct For 70% Fluoropolymer Exterior Finish (Duranar), Add For Tinted Glass, Add For Aluminum, Painted Finish, Deduct	29,050.50 -6,841.17 2,736.47 1,368.23 -8,209.40	674.33
08 43 Storefronts (08 40)					
08 43 13 Aluminum-Framed Storefronts (08 43)					

08 Openings**08 40 Entrances, Storefronts, and Curtain Walls****08 43 Storefronts**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 43 13 00-0001	Aluminum Storefront Framing Assembly (08 43 13)			
	Note: Includes frames, fasteners and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing. See CSI section 08 43 13 00-0083 for reinforcing steel (where required), 08 81 23 23-0012 for tempered glazing, 08 81 23 23-0045 for laminated glazing, 08 81 23 23-0051 for insulated glazing.			
08 43 13 00-0002	1-3/4" x 4-1/2" Frame, Aluminum Storefront Framing Assembly (08 43 13 00-0001)			
	Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.			
08 43 13 00-0003	SF	5' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	28.39	8.02
		For Various Color Class I Anodized Finish, Add	0.97	
		For Black Color Class I Anodized Finish, Add	2.92	
08 43 13 00-0004	SF	6' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	25.50	7.22
		For Various Color Class I Anodized Finish, Add	0.87	
		For Black Color Class I Anodized Finish, Add	2.62	
08 43 13 00-0005	SF	7' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	23.44	6.66
		For Various Color Class I Anodized Finish, Add	0.80	
		For Black Color Class I Anodized Finish, Add	2.40	
08 43 13 00-0006	SF	8' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	21.91	6.23
		For Various Color Class I Anodized Finish, Add	0.75	
		For Black Color Class I Anodized Finish, Add	2.24	
08 43 13 00-0007	SF	9' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	20.72	5.90
		For Various Color Class I Anodized Finish, Add	0.71	
		For Black Color Class I Anodized Finish, Add	2.12	
08 43 13 00-0008	SF	10' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	19.76	5.64
		For Various Color Class I Anodized Finish, Add	0.67	
		For Black Color Class I Anodized Finish, Add	2.02	
08 43 13 00-0009	SF	11' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	18.97	5.42
		For Various Color Class I Anodized Finish, Add	0.65	
		For Black Color Class I Anodized Finish, Add	1.94	
08 43 13 00-0010	SF	12' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	18.32	5.24
		For Various Color Class I Anodized Finish, Add	0.62	
		For Black Color Class I Anodized Finish, Add	1.87	
08 43 13 00-0011	1-3/4" x 4-1/2" Frame With Horizontal Mullion, Aluminum Storefront Framing Assembly (08 43 13 00-0001)			
	Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, single horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.			
08 43 13 00-0012	SF	5' High With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	37.04	10.50
		For Various Color Class I Anodized Finish, Add	1.27	
		For Black Color Class I Anodized Finish, Add	3.81	
08 43 13 00-0013	SF	6' High With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	32.68	9.29
		For Various Color Class I Anodized Finish, Add	1.12	
		For Black Color Class I Anodized Finish, Add	3.36	
08 43 13 00-0014	SF	7' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	29.69	8.41
		For Various Color Class I Anodized Finish, Add	1.01	
		For Black Color Class I Anodized Finish, Add	3.04	
08 43 13 00-0015	SF	8' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	27.38	7.76
		For Various Color Class I Anodized Finish, Add	0.93	
		For Black Color Class I Anodized Finish, Add	2.80	
08 43 13 00-0016	SF	9' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	25.57	7.21
		For Various Color Class I Anodized Finish, Add	0.87	
		For Black Color Class I Anodized Finish, Add	2.62	
08 43 13 00-0017	SF	10' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	24.09	6.89
		For Various Color Class I Anodized Finish, Add	0.82	
		For Black Color Class I Anodized Finish, Add	2.47	
08 43 13 00-0018	SF	11' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	22.96	6.56
		For Various Color Class I Anodized Finish, Add	0.78	
		For Black Color Class I Anodized Finish, Add	2.34	
08 43 13 00-0019	SF	12' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	21.96	6.23
		For Various Color Class I Anodized Finish, Add	0.75	
		For Black Color Class I Anodized Finish, Add	2.24	
08 43 13 00-0020	1-3/4" x 4-1/2" Frame With Two Horizontal Mullions, Aluminum Storefront Framing Assembly (08 43 13 00-0001)			
	Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, two horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.			
08 43 13 00-0021	SF	5' High With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	45.71	12.89
		For Various Color Class I Anodized Finish, Add	1.57	
		For Black Color Class I Anodized Finish, Add	4.71	
08 43 13 00-0022	SF	6' High With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	40.00	11.26
		For Various Color Class I Anodized Finish, Add	1.37	
		For Black Color Class I Anodized Finish, Add	4.11	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
08 43 13 00-0023	SF		7' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	35.86	10.16
			For Various Color Class I Anodized Finish, Add	1.23	
			For Black Color Class I Anodized Finish, Add	3.68	
08 43 13 00-0024	SF		8' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	32.77	9.29
			For Various Color Class I Anodized Finish, Add	1.12	
			For Black Color Class I Anodized Finish, Add	3.36	
08 43 13 00-0025	SF		9' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	30.30	8.63
			For Various Color Class I Anodized Finish, Add	1.04	
			For Black Color Class I Anodized Finish, Add	3.11	
08 43 13 00-0026	SF		10' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	28.42	8.09
			For Various Color Class I Anodized Finish, Add	0.97	
			For Black Color Class I Anodized Finish, Add	2.91	
08 43 13 00-0027	SF		11' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	26.86	7.66
			For Various Color Class I Anodized Finish, Add	0.92	
			For Black Color Class I Anodized Finish, Add	2.75	
08 43 13 00-0028	SF		12' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	25.56	7.32
			For Various Color Class I Anodized Finish, Add	0.87	
			For Black Color Class I Anodized Finish, Add	2.61	
08 43 13 00-0029			2" x 4-1/2" Frame, Aluminum Storefront Framing Assembly (08 43 13 00-0001) Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.		
08 43 13 00-0030	SF		5' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	29.26	8.41
			For Various Color Class I Anodized Finish, Add	0.99	
			For Black Color Class I Anodized Finish, Add	2.98	
08 43 13 00-0031	SF		6' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	26.29	7.55
			For Various Color Class I Anodized Finish, Add	0.89	
			For Black Color Class I Anodized Finish, Add	2.67	
08 43 13 00-0032	SF		7' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	24.06	6.99
			For Various Color Class I Anodized Finish, Add	0.81	
			For Black Color Class I Anodized Finish, Add	2.44	
08 43 13 00-0033	SF		8' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	22.46	6.56
			For Various Color Class I Anodized Finish, Add	0.76	
			For Black Color Class I Anodized Finish, Add	2.27	
08 43 13 00-0034	SF		9' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	21.18	6.12
			For Various Color Class I Anodized Finish, Add	0.71	
			For Black Color Class I Anodized Finish, Add	2.14	
08 43 13 00-0035	SF		10' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	20.27	5.90
			For Various Color Class I Anodized Finish, Add	0.68	
			For Black Color Class I Anodized Finish, Add	2.03	
08 43 13 00-0036	SF		11' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	19.34	5.68
			For Various Color Class I Anodized Finish, Add	0.65	
			For Black Color Class I Anodized Finish, Add	1.95	
08 43 13 00-0037	SF		12' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	18.73	5.47
			For Various Color Class I Anodized Finish, Add	0.63	
			For Black Color Class I Anodized Finish, Add	1.88	
08 43 13 00-0038			2" x 4-1/2" Frame With Horizontal Mullion, Aluminum Storefront Framing Assembly (08 43 13 00-0001) Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, single horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.		
08 43 13 00-0039	SF		5' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	38.82	11.36
			For Various Color Class I Anodized Finish, Add	1.29	
			For Black Color Class I Anodized Finish, Add	3.88	
08 43 13 00-0040	SF		6' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	34.15	10.05
			For Various Color Class I Anodized Finish, Add	1.14	
			For Black Color Class I Anodized Finish, Add	3.41	
08 43 13 00-0041	SF		7' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	30.88	9.08
			For Various Color Class I Anodized Finish, Add	1.03	
			For Black Color Class I Anodized Finish, Add	3.08	
08 43 13 00-0042	SF		8' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	28.40	8.41
			For Various Color Class I Anodized Finish, Add	0.94	
			For Black Color Class I Anodized Finish, Add	2.83	
08 43 13 00-0043	SF		9' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	26.57	7.87
			For Various Color Class I Anodized Finish, Add	0.88	
			For Black Color Class I Anodized Finish, Add	2.64	
08 43 13 00-0044	SF		10' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	24.93	7.43
			For Various Color Class I Anodized Finish, Add	0.83	
			For Black Color Class I Anodized Finish, Add	2.48	
08 43 13 00-0045	SF		11' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	23.68	6.99
			For Various Color Class I Anodized Finish, Add	0.78	
			For Black Color Class I Anodized Finish, Add	2.35	

08	08	Openings
	08 40	Entrances, Storefronts, and Curtain Walls
	08 43	Storefronts



		MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 43 13 00-0046	SF	12' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly				22.65	6.67
		For Various Color Class I Anodized Finish, Add				0.75	
		For Black Color Class I Anodized Finish, Add				2.25	
08 43 13 00-0047 2" x 4-1/2" Frame With Two Horizontal Mullions, Aluminum Storefront Framing Assembly (08 43 13 00-0001)							
Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, two horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.							
08 43 13 00-0048	SF	5' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly				46.95	13.55
		For Various Color Class I Anodized Finish, Add				1.59	
		For Black Color Class I Anodized Finish, Add				4.77	
08 43 13 00-0049	SF	6' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly				41.02	11.81
		For Various Color Class I Anodized Finish, Add				1.39	
		For Black Color Class I Anodized Finish, Add				4.16	
08 43 13 00-0050	SF	7' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly				36.73	10.60
		For Various Color Class I Anodized Finish, Add				1.24	
		For Black Color Class I Anodized Finish, Add				3.72	
08 43 13 00-0051	SF	8' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly				33.59	9.73
		For Various Color Class I Anodized Finish, Add				1.13	
		For Black Color Class I Anodized Finish, Add				3.39	
08 43 13 00-0052	SF	9' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly				31.07	8.97
		For Various Color Class I Anodized Finish, Add				1.04	
		For Black Color Class I Anodized Finish, Add				3.13	
08 43 13 00-0053	SF	10' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly				29.05	8.41
		For Various Color Class I Anodized Finish, Add				0.98	
		For Black Color Class I Anodized Finish, Add				2.93	
08 43 13 00-0054	SF	11' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly				27.47	7.98
		For Various Color Class I Anodized Finish, Add				0.92	
		For Black Color Class I Anodized Finish, Add				2.76	
08 43 13 00-0055	SF	12' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly				26.03	7.66
		For Various Color Class I Anodized Finish, Add				0.87	
		For Black Color Class I Anodized Finish, Add				2.62	
08 43 13 00-0056 2-1/2" x 5" Frame, Aluminum Storefront Framing Assembly (08 43 13 00-0001)							
Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.							
08 43 13 00-0057	SF	5' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly				36.39	8.63
		For Various Color Class I Anodized Finish, Add				1.40	
		For Black Color Class I Anodized Finish, Add				4.21	
08 43 13 00-0058	SF	6' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly				32.73	7.76
		For Various Color Class I Anodized Finish, Add				1.26	
		For Black Color Class I Anodized Finish, Add				3.79	
08 43 13 00-0059	SF	7' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly				30.17	7.10
		For Various Color Class I Anodized Finish, Add				1.16	
		For Black Color Class I Anodized Finish, Add				3.48	
08 43 13 00-0060	SF	8' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly				28.25	6.67
		For Various Color Class I Anodized Finish, Add				1.09	
		For Black Color Class I Anodized Finish, Add				3.26	
08 43 13 00-0061	SF	9' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly				26.73	6.34
		For Various Color Class I Anodized Finish, Add				1.03	
		For Black Color Class I Anodized Finish, Add				3.08	
08 43 13 00-0062	SF	10' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly				25.51	6.01
		For Various Color Class I Anodized Finish, Add				0.98	
		For Black Color Class I Anodized Finish, Add				2.94	
08 43 13 00-0063	SF	11' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly				24.55	5.79
		For Various Color Class I Anodized Finish, Add				0.94	
		For Black Color Class I Anodized Finish, Add				2.82	
08 43 13 00-0064	SF	12' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly				23.68	5.57
		For Various Color Class I Anodized Finish, Add				0.91	
		For Black Color Class I Anodized Finish, Add				2.73	
08 43 13 00-0065 2-1/2" x 5" Frame With Horizontal Mullion, Aluminum Storefront Framing Assembly (08 43 13 00-0001)							
Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, single horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.							
08 43 13 00-0066	SF	5' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly				48.05	11.59
		For Various Color Class I Anodized Finish, Add				1.83	
		For Black Color Class I Anodized Finish, Add				5.48	
08 43 13 00-0067	SF	6' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly				42.44	10.28
		For Various Color Class I Anodized Finish, Add				1.62	
		For Black Color Class I Anodized Finish, Add				4.85	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST

08 43 13 00-0068	SF		7' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	38.50	9.29
			For Various Color Class I Anodized Finish, Add	1.46	
			For Black Color Class I Anodized Finish, Add	4.39	
08 43 13 00-0069	SF		8' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	35.52	8.52
			For Various Color Class I Anodized Finish, Add	1.35	
			For Black Color Class I Anodized Finish, Add	4.05	
08 43 13 00-0070	SF		9' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	33.17	7.98
			For Various Color Class I Anodized Finish, Add	1.26	
			For Black Color Class I Anodized Finish, Add	3.79	
08 43 13 00-0071	SF		10' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	31.33	7.55
			For Various Color Class I Anodized Finish, Add	1.19	
			For Black Color Class I Anodized Finish, Add	3.57	
08 43 13 00-0072	SF		11' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	29.83	7.21
			For Various Color Class I Anodized Finish, Add	1.13	
			For Black Color Class I Anodized Finish, Add	3.40	
08 43 13 00-0073	SF		12' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	28.49	6.89
			For Various Color Class I Anodized Finish, Add	1.09	
			For Black Color Class I Anodized Finish, Add	3.26	

08 43 13 00-0074 2-1/2" x 5" Frame With Two Horizontal Mullions, Aluminum Storefront

Framing Assembly (08 43 13 00-0001)

Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, two horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.

08 43 13 00-0075	SF		5' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	57.96	13.55
			For Various Color Class I Anodized Finish, Add	2.25	
			For Black Color Class I Anodized Finish, Add	6.75	
08 43 13 00-0076	SF		6' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	50.95	12.03
			For Various Color Class I Anodized Finish, Add	1.97	
			For Black Color Class I Anodized Finish, Add	5.91	
08 43 13 00-0077	SF		7' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	45.74	10.82
			For Various Color Class I Anodized Finish, Add	1.77	
			For Black Color Class I Anodized Finish, Add	5.30	
08 43 13 00-0078	SF		8' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	41.90	9.84
			For Various Color Class I Anodized Finish, Add	1.62	
			For Black Color Class I Anodized Finish, Add	4.85	
08 43 13 00-0079	SF		9' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	38.85	9.18
			For Various Color Class I Anodized Finish, Add	1.50	
			For Black Color Class I Anodized Finish, Add	4.49	
08 43 13 00-0080	SF		10' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	36.41	8.63
			For Various Color Class I Anodized Finish, Add	1.40	
			For Black Color Class I Anodized Finish, Add	4.21	
08 43 13 00-0081	SF		11' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	34.36	8.09
			For Various Color Class I Anodized Finish, Add	1.33	
			For Black Color Class I Anodized Finish, Add	3.98	
08 43 13 00-0082	SF		12' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	32.75	7.76
			For Various Color Class I Anodized Finish, Add	1.26	
			For Black Color Class I Anodized Finish, Add	3.79	

08 43 13 00-0083 Accessories For Aluminum Storefront Framing Assembly (08 43 13 00-0001)

08 43 13 00-0084	LF		For 3/4" x 4-3/16" x 10 Gauge Galvanized Steel Reinforcing, Storefront Framing.....	37.04	7.27
08 43 13 00-0085	LF		For 1-1/4" x 4-3/16" x 10 Gauge Galvanized Steel Reinforcing, Storefront Framing.....	42.24	8.00
08 43 13 00-0086	LF		For 1-7/16" x 4-5/8" x 1/4" Steel Reinforcing, Storefront Framing.....	64.88	8.79

08 43 19 Stainless-Steel-Framed Storefronts (08 43)

08 43 19 00-0001 Stainless Steel Storefront Framing Assembly (08 43 19)

Note: Includes frames, reinforcing and accessories. Excludes doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing. Per SF of opening area. See CSI section 08 81 23 23-0051 for insulated glazing.

08 43 19 00-0002	SF		Stainless Steel Storefront Framing Assembly.....	55.19	5.47
			For 70% Fluoropolymer Exterior Finish (Duraner), Add	4.69	

08 44 Curtain Wall and Glazed Assemblies (08 44)

08 44 13 Glazed Aluminum Curtain Walls (08 44)

08 44 13 00-0001 Curtain Walls (08 44 13)

08 44 13 00-0002 Coping Sections (08 44 13 00-0001)

08 Openings**08 40 Entrances, Storefronts, and Curtain Walls****08 44 Curtain Wall and Glazed Assemblies**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 44 13 00-0003	LF Curtain Wall, 1/8" x 8" Coping Section Shaped (3") Aluminum System Framing Section	71.60		3.28
	For Bronze Anodized Aluminum, Add	7.86		
	For Stainless Steel, Add	32.41		
	For Black Anodized Finish, Add	14.15		
08 44 13 00-0004	LF Curtain Wall, 1/8" x 9" Coping Section Shaped (4") Aluminum System Framing Section	74.40		3.28
	For Bronze Anodized Aluminum, Add	8.28		
	For Stainless Steel, Add	34.09		
	For Black Anodized Finish, Add	14.91		
08 44 13 00-0005	LF Curtain Wall, 1/8" x 12-1/2" Coping Section Shaped (5-1/2") Aluminum Framing Section	89.43		4.37
	For Bronze Anodized Aluminum, Add	9.83		
	For Stainless Steel, Add	40.51		
	For Black Anodized Finish, Add	17.69		
08 44 13 00-0006 Sill Section (08 44 13 00-0001)				
08 44 13 00-0007	LF Aluminum Curtain Wall, 1/8" x 6" Sill Section Shaped Aluminum System Framing Section	57.22		2.19
	For Bronze Anodized Aluminum, Add	6.56		
	For Stainless Steel, Add	26.91		
	For Black Anodized Finish, Add	11.80		
08 44 13 00-0008	LF Aluminum Curtain Wall, 1/8" x 7" Sill Section Shaped Aluminum System Framing Section	61.90		2.19
	For Bronze Anodized Aluminum, Add	7.26		
	For Stainless Steel, Add	29.72		
	For Black Anodized Finish, Add	13.07		
08 44 13 00-0009	LF Aluminum Curtain Wall, 1/8" x 8-1/2" Sill Section Shaped Aluminum System Framing Section	66.62		2.19
	For Bronze Anodized Aluminum, Add	7.97		
	For Stainless Steel, Add	32.55		
	For Black Anodized Finish, Add	14.34		
08 44 13 00-0010 Aluminum Column Covers (08 44 13 00-0001)				
Note: Includes all clips and fasteners.				
08 44 13 00-0011	LF Aluminum Column Covers, 1/8" x 26", Shaped	145.30		5.47
	For Bronze Anodized Aluminum, Add	17.18		
	For Stainless Steel, Add	70.25		
	For Black Anodized Finish, Add	30.92		
08 44 13 00-0012	LF Aluminum Column Covers, 1/8" x 34", Shaped	178.82		5.47
	For Bronze Anodized Aluminum, Add	21.93		
	For Stainless Steel, Add	89.35		
	For Black Anodized Finish, Add	39.47		
08 44 13 00-0013	LF Aluminum Column Covers, 1/8" x 38", Shaped	191.79		5.47
	For Bronze Anodized Aluminum, Add	23.87		
	For Stainless Steel, Add	97.13		
	For Black Anodized Finish, Add	42.97		
08 44 13 00-0014 Spandrel Covers (08 44 13 00-0001)				
Note: Where exterior facing only is described in the following the interior face will be tempered hardboard (to be painted).				
08 44 13 00-0015	SF 1" Spandrel Cover, Aluminum Both Faces	58.85		2.19
	For Bronze Anodized Aluminum, Add	7.45		
	For Stainless Steel, Add	30.26		
	For Black Anodized Finish, Add	13.41		
08 44 13 00-0016	SF 1" Spandrel Cover, Aluminum Exterior Face	51.48		2.19
	For Bronze Anodized Aluminum, Add	6.34		
	For Stainless Steel, Add	25.83		
	For Black Anodized Finish, Add	11.42		
08 44 13 00-0017	SF 1" Spandrel Cover, Epoxy Both Faces	112.50		2.19
	For Bronze Anodized Aluminum, Add	15.50		
	For Stainless Steel, Add	62.45		
	For Black Anodized Finish, Add	27.89		
08 44 13 00-0018	SF 1" Spandrel Cover, Epoxy Exterior Face Only	91.72		2.19
	For Bronze Anodized Aluminum, Add	12.38		
	For Stainless Steel, Add	49.98		
	For Black Anodized Finish, Add	22.28		
08 44 13 00-0019	SF 2" Spandrel Cover, Aluminum Both Faces	66.05		2.19
	For Bronze Anodized Aluminum, Add	8.17		
	For Stainless Steel, Add	33.27		
	For Black Anodized Finish, Add	14.71		
08 44 13 00-0020	SF 2" Spandrel Cover, Aluminum Exterior Face	59.07		2.19
	For Bronze Anodized Aluminum, Add	7.13		
	For Stainless Steel, Add	29.08		
	For Black Anodized Finish, Add	12.83		
08 44 13 00-0021	SF 2" Spandrel Cover, Epoxy Both Faces	128.48		2.19
	For Bronze Anodized Aluminum, Add	17.54		
	For Stainless Steel, Add	70.72		
	For Black Anodized Finish, Add	31.57		
08 44 13 00-0022	SF 2" Spandrel Cover, Epoxy Exterior Face Only	104.51		2.19
	For Bronze Anodized Aluminum, Add	13.94		
	For Stainless Steel, Add	56.34		
	For Black Anodized Finish, Add	25.09		
08 44 13 00-0023 Curtain Wall, Aluminum System Framing Sections (08 44 13 00-0001)				
Note: The prices are based on stock shapes of anodized aluminum, plain color and of 0.125" thickness.				
08 44 13 00-0024	LF Aluminum System Curtain Wall, 1-1/2" x 3" Jamb Aluminum Framed Window Walls	82.81		2.19
	For Bronze Anodized Aluminum, Add	11.12		
	For Stainless Steel, Add	44.92		
	For Black Anodized Finish, Add	20.02		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 44 13 00-0025	LF		Aluminum System Curtain Wall, 1-1/2" x 3" Head Aluminum Framed Window Walls	82.64	2.19
			For Bronze Anodized Aluminum, Add	11.12	
			For Stainless Steel, Add	44.91	
			For Black Anodized Finish, Add	20.02	
08 44 13 00-0026	LF		Aluminum System Curtain Wall, 1-1/2" x 3" Mullion Aluminum Framed Window Walls	82.64	2.19
			For Bronze Anodized Aluminum, Add	11.12	
			For Stainless Steel, Add	44.91	
			For Black Anodized Finish, Add	20.02	
			For Corner Mullion, Add	19.81	
08 44 13 00-0027	LF		Aluminum System Curtain Wall, 2" x 4" Jamb Aluminum Framed Window Walls	101.71	4.37
			For Bronze Anodized Aluminum, Add	13.29	
			For Stainless Steel, Add	53.81	
			For Black Anodized Finish, Add	23.92	
08 44 13 00-0028	LF		Aluminum System Curtain Wall, 2" x 4" Horizontal Aluminum Framed Window Walls	101.71	4.37
			For Bronze Anodized Aluminum, Add	13.29	
			For Stainless Steel, Add	53.81	
			For Black Anodized Finish, Add	23.92	
08 44 13 00-0029	LF		Aluminum System Curtain Wall, 2" x 4" Mullion Aluminum Framed Window Walls	101.71	4.37
			For Bronze Anodized Aluminum, Add	13.29	
			For Stainless Steel, Add	53.81	
			For Black Anodized Finish, Add	23.92	
			For Corner Mullion, Add	24.12	
08 44 13 00-0030	LF		Aluminum System Curtain Wall, 2" x 6" Jamb Aluminum Framed Window Walls	111.66	4.81
			For Bronze Anodized Aluminum, Add	14.56	
			For Stainless Steel, Add	58.98	
			For Black Anodized Finish, Add	26.21	
08 44 13 00-0031	LF		Aluminum System Curtain Wall, 2" x 6" Horizontal Aluminum Framed Window Walls	111.66	4.81
			For Bronze Anodized Aluminum, Add	14.56	
			For Stainless Steel, Add	58.98	
			For Black Anodized Finish, Add	26.21	
08 44 13 00-0032	LF		Aluminum System Curtain Wall, 2" x 6" Mullion Aluminum Framed Window Walls	111.66	4.81
			For Bronze Anodized Aluminum, Add	14.56	
			For Stainless Steel, Add	58.98	
			For Black Anodized Finish, Add	26.21	
			For Corner Mullion, Add	26.46	
08 44 13 00-0033	LF		Aluminum System Curtain Wall, 3" x 5-1/2" Jamb Aluminum Framed Window Walls	121.82	5.47
			For Bronze Anodized Aluminum, Add	15.84	
			For Stainless Steel, Add	64.19	
			For Black Anodized Finish, Add	28.52	
08 44 13 00-0034	LF		Aluminum System Curtain Wall, 3" x 5-1/2" Horizontal Aluminum Framed Window Walls	121.82	5.47
			For Bronze Anodized Aluminum, Add	15.84	
			For Stainless Steel, Add	64.19	
			For Black Anodized Finish, Add	28.52	
08 44 13 00-0035	LF		Aluminum System Curtain Wall, 3" x 5-1/2" Mullion Aluminum Framed Window Walls	121.82	5.47
			For Bronze Anodized Aluminum, Add	15.84	
			For Stainless Steel, Add	64.19	
			For Black Anodized Finish, Add	28.52	
			For Corner Mullion, Add	28.84	
08 44 13 00-0036	LF		Aluminum System Curtain Wall, 3" x 6-3/4" Jamb Aluminum Framed Window Walls	136.80	5.90
			For Bronze Anodized Aluminum, Add	17.87	
			For Stainless Steel, Add	72.36	
			For Black Anodized Finish, Add	32.17	
08 44 13 00-0037	LF		Aluminum System Curtain Wall, 3" x 6-3/4" Horizontal Aluminum Framed Window Walls	136.80	5.90
			For Bronze Anodized Aluminum, Add	17.87	
			For Stainless Steel, Add	72.36	
			For Black Anodized Finish, Add	32.17	
08 44 13 00-0038	LF		Aluminum System Curtain Wall, 3" x 6-3/4" Mullion Aluminum Framed Window Walls	136.80	5.90
			For Bronze Anodized Aluminum, Add	17.87	
			For Stainless Steel, Add	72.36	
			For Black Anodized Finish, Add	32.17	
			For Corner Mullion, Add	32.43	
08 44 13 00-0039	LF		Aluminum System Curtain Wall, 3" x 8-3/4" Jamb Aluminum Framed Window Walls	157.06	6.56
			For Bronze Anodized Aluminum, Add	20.52	
			For Stainless Steel, Add	83.08	
			For Black Anodized Finish, Add	36.93	
08 44 13 00-0040	LF		Aluminum System Curtain Wall, 3" x 8-3/4" Horizontal Aluminum Framed Window Walls	157.06	6.56
			For Bronze Anodized Aluminum, Add	20.52	
			For Stainless Steel, Add	83.08	
			For Black Anodized Finish, Add	36.93	
08 44 13 00-0041	LF		Aluminum System Curtain Wall, 3" x 8-3/4" Mullion Aluminum Framed Window Walls	157.06	6.56
			For Bronze Anodized Aluminum, Add	20.52	
			For Stainless Steel, Add	83.08	
			For Black Anodized Finish, Add	36.93	
			For Corner Mullion, Add	37.24	

08 45 Translucent Wall and Roof Assemblies (08 40)

08 45 23 Fiberglass-Sandwich-Panel Assemblies (08 45)

08 45 23 00-0001 Translucent Fiberglass Sandwich-Panels 2-3/4" Thick (08 45 23)

08 45 23 00-0002	SF		<5,000 SF Translucent Fiberglass Sandwich-Panel 2-3/4" Thick, Metal Framed	129.12	7.92
			For Aluminum Frame, Add	11.72	
08 45 23 00-0003	SF		>5,000 SF Translucent Fiberglass Sandwich-Panel 2-3/4" Thick, Metal Framed	118.10	6.75
			For Aluminum Frame, Add	10.80	

08 50 Windows (08)

Note: Includes hardware, caulk, sealant and mounting anchors. Operable windows include weather stripping. Demolition includes removal of frame, glass and insect screens.

08 Openings**08 50 Windows****08 45 Translucent Wall and Roof Assemblies**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
08 51 Metal Windows (08 50)**08 51 13 Aluminum Windows** (08 51)

See CSI section 08 80 00 00-0000 for glazing.

08 51 13 00-0001	Aluminum Windows (08 51 13) Note: Includes standard acrylic paint finish. Excludes glazing, panning and aluminum trim.		
08 51 13 00-0002	Single Hung Aluminum Windows (08 51 13 00-0001)		
08 51 13 00-0003	2-3/8" Frame Depth, C 30, Single Hung Aluminum Window (Torrance Aluminum Series 350) (08 51 13 00-0002)		
08 51 13 00-0004	EA Up To 6 SF, 2-3/8" Frame Depth, C 30, Single Hung Aluminum Window (Torrance Aluminum Series 350).....	979.77	123.25
	For 50% Fluoropolymer Finish (Acrynar), Add	15.49	
	For 70% Fluoropolymer Finish (Duranar), Add	46.46	
	For Clear Anodized Finish, Add	38.72	
	For Color Anodized Finish, Add	54.20	
08 51 13 00-0005	EA >6 To 10 SF, 2-3/8" Frame Depth, C 30, Single Hung Aluminum Window (Torrance Aluminum Series 350).....	1,112.14	130.95
	For 50% Fluoropolymer Finish (Acrynar), Add	17.88	
	For 70% Fluoropolymer Finish (Duranar), Add	53.63	
	For Clear Anodized Finish, Add	44.69	
	For Color Anodized Finish, Add	62.57	
08 51 13 00-0006	EA >10 To 15 SF, 2-3/8" Frame Depth, C 30, Single Hung Aluminum Window (Torrance Aluminum Series 350).....	1,223.72	138.66
	For 50% Fluoropolymer Finish (Acrynar), Add	19.85	
	For 70% Fluoropolymer Finish (Duranar), Add	59.56	
	For Clear Anodized Finish, Add	49.63	
	For Color Anodized Finish, Add	69.48	
08 51 13 00-0007	EA >15 To 20 SF, 2-3/8" Frame Depth, C 30, Single Hung Aluminum Window (Torrance Aluminum Series 350).....	1,314.52	146.37
	For 50% Fluoropolymer Finish (Acrynar), Add	21.41	
	For 70% Fluoropolymer Finish (Duranar), Add	64.23	
	For Clear Anodized Finish, Add	53.53	
	For Color Anodized Finish, Add	74.94	
08 51 13 00-0008	EA >20 To 30 SF, 2-3/8" Frame Depth, C 30, Single Hung Aluminum Window (Torrance Aluminum Series 350).....	1,530.05	154.06
	For 50% Fluoropolymer Finish (Acrynar), Add	25.47	
	For 70% Fluoropolymer Finish (Duranar), Add	76.40	
	For Clear Anodized Finish, Add	63.66	
	For Color Anodized Finish, Add	89.13	
08 51 13 00-0009	SF >30 SF, 2-3/8" Frame Depth, C 30, Single Hung Aluminum Window (Torrance Aluminum Series 350).....	50.18	4.62
	For 50% Fluoropolymer Finish (Acrynar), Add	0.85	
	For 70% Fluoropolymer Finish (Duranar), Add	2.55	
	For Clear Anodized Finish, Add	2.12	
	For Color Anodized Finish, Add	2.97	
08 51 13 00-0010	2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400) (08 51 13 00-0002)		
08 51 13 00-0011	EA Up To 6 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	1,065.81	123.25
	For 50% Fluoropolymer Finish (Acrynar), Add	17.21	
	For 70% Fluoropolymer Finish (Duranar), Add	51.62	
	For Clear Anodized Finish, Add	43.02	
	For Color Anodized Finish, Add	60.23	
08 51 13 00-0012	EA >6 To 10 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	1,211.47	130.95
	For 50% Fluoropolymer Finish (Acrynar), Add	19.86	
	For 70% Fluoropolymer Finish (Duranar), Add	59.59	
	For Clear Anodized Finish, Add	49.66	
	For Color Anodized Finish, Add	69.52	
08 51 13 00-0013	EA >10 To 15 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	1,334.01	138.66
	For 50% Fluoropolymer Finish (Acrynar), Add	22.06	
	For 70% Fluoropolymer Finish (Duranar), Add	66.18	
	For Clear Anodized Finish, Add	55.15	
	For Color Anodized Finish, Add	77.20	
08 51 13 00-0014	EA >15 To 20 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	1,433.48	146.37
	For 50% Fluoropolymer Finish (Acrynar), Add	23.79	
	For 70% Fluoropolymer Finish (Duranar), Add	71.37	
	For Clear Anodized Finish, Add	59.48	
	For Color Anodized Finish, Add	83.27	
08 51 13 00-0015	EA >20 To 30 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	1,671.52	154.06
	For 50% Fluoropolymer Finish (Acrynar), Add	28.29	
	For 70% Fluoropolymer Finish (Duranar), Add	84.88	
	For Clear Anodized Finish, Add	70.74	
	For Color Anodized Finish, Add	99.03	
08 51 13 00-0016	SF >30 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	54.89	4.62
	For 50% Fluoropolymer Finish (Acrynar), Add	0.94	
	For 70% Fluoropolymer Finish (Duranar), Add	2.83	
	For Clear Anodized Finish, Add	2.36	
	For Color Anodized Finish, Add	3.30	
08 51 13 00-0017	3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100) (08 51 13 00-0002)		
08 51 13 00-0018	EA Up To 6 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	1,677.90	123.25
	For 50% Fluoropolymer Finish (Acrynar), Add	29.45	
	For 70% Fluoropolymer Finish (Duranar), Add	88.35	
	For Clear Anodized Finish, Add	73.62	
	For Color Anodized Finish, Add	103.07	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0019	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	 1,875.53	130.95	
		For 50% Fluoropolymer Finish (Acrynar), Add	33.15		
		For 70% Fluoropolymer Finish (Duranar), Add	99.44		
		For Clear Anodized Finish, Add	82.86		
		For Color Anodized Finish, Add	116.01		
08 51 13 00-0020	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	 2,038.49	138.66	
		For 50% Fluoropolymer Finish (Acrynar), Add	36.15		
		For 70% Fluoropolymer Finish (Duranar), Add	108.44		
		For Clear Anodized Finish, Add	90.37		
		For Color Anodized Finish, Add	126.52		
08 51 13 00-0021	EA	>15 To 20 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	 2,195.70	146.37	
		For 50% Fluoropolymer Finish (Acrynar), Add	39.04		
		For 70% Fluoropolymer Finish (Duranar), Add	117.11		
		For Clear Anodized Finish, Add	97.59		
		For Color Anodized Finish, Add	136.62		
08 51 13 00-0022	EA	>20 To 30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	 2,641.63	154.06	
		For 50% Fluoropolymer Finish (Acrynar), Add	47.70		
		For 70% Fluoropolymer Finish (Duranar), Add	143.09		
		For Clear Anodized Finish, Add	119.24		
		For Color Anodized Finish, Add	166.94		
08 51 13 00-0023	SF	>30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	 87.22	4.62	
		For 50% Fluoropolymer Finish (Acrynar), Add	1.59		
		For 70% Fluoropolymer Finish (Duranar), Add	4.77		
		For Clear Anodized Finish, Add	3.98		
		For Color Anodized Finish, Add	5.57		
08 51 13 00-0024 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700) (08 51 13 00-0002)					
08 51 13 00-0025	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	 1,781.84	123.25	
		For 50% Fluoropolymer Finish (Acrynar), Add	31.53		
		For 70% Fluoropolymer Finish (Duranar), Add	94.59		
		For Clear Anodized Finish, Add	78.82		
		For Color Anodized Finish, Add	110.35		
08 51 13 00-0026	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	 2,019.89	130.95	
		For 50% Fluoropolymer Finish (Acrynar), Add	36.03		
		For 70% Fluoropolymer Finish (Duranar), Add	108.10		
		For Clear Anodized Finish, Add	90.08		
		For Color Anodized Finish, Add	126.11		
08 51 13 00-0027	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	 2,211.73	138.66	
		For 50% Fluoropolymer Finish (Acrynar), Add	39.61		
		For 70% Fluoropolymer Finish (Duranar), Add	118.84		
		For Clear Anodized Finish, Add	99.03		
		For Color Anodized Finish, Add	138.64		
08 51 13 00-0028	EA	>15 To 20 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	 2,397.81	146.37	
		For 50% Fluoropolymer Finish (Acrynar), Add	43.08		
		For 70% Fluoropolymer Finish (Duranar), Add	129.23		
		For Clear Anodized Finish, Add	107.69		
		For Color Anodized Finish, Add	150.77		
08 51 13 00-0029	EA	>20 To 30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	 2,889.93	154.06	
		For 50% Fluoropolymer Finish (Acrynar), Add	52.66		
		For 70% Fluoropolymer Finish (Duranar), Add	157.99		
		For Clear Anodized Finish, Add	131.66		
		For Color Anodized Finish, Add	184.32		
08 51 13 00-0030	SF	>30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	 95.48	4.62	
		For 50% Fluoropolymer Finish (Acrynar), Add	1.76		
		For 70% Fluoropolymer Finish (Duranar), Add	5.27		
		For Clear Anodized Finish, Add	4.39		
		For Color Anodized Finish, Add	6.14		
08 51 13 00-0031 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700) (08 51 13 00-0002)					
08 51 13 00-0032	EA	Up To 6 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	 1,978.18	123.25	
		For 50% Fluoropolymer Finish (Acrynar), Add	35.46		
		For 70% Fluoropolymer Finish (Duranar), Add	106.37		
		For Clear Anodized Finish, Add	88.64		
		For Color Anodized Finish, Add	124.09		
08 51 13 00-0033	EA	>6 To 10 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	 2,291.29	130.95	
		For 50% Fluoropolymer Finish (Acrynar), Add	41.46		
		For 70% Fluoropolymer Finish (Duranar), Add	124.38		
		For Clear Anodized Finish, Add	103.65		
		For Color Anodized Finish, Add	145.11		
08 51 13 00-0034	EA	>10 To 15 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	 2,488.90	138.66	
		For 50% Fluoropolymer Finish (Acrynar), Add	45.16		
		For 70% Fluoropolymer Finish (Duranar), Add	135.47		
		For Clear Anodized Finish, Add	112.89		
		For Color Anodized Finish, Add	158.05		
08 51 13 00-0035	EA	>15 To 20 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	 2,674.98	146.37	
		For 50% Fluoropolymer Finish (Acrynar), Add	48.62		
		For 70% Fluoropolymer Finish (Duranar), Add	145.86		
		For Clear Anodized Finish, Add	121.55		
		For Color Anodized Finish, Add	170.17		
08 51 13 00-0036	EA	>20 To 30 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	 3,126.68	154.06	
		For 50% Fluoropolymer Finish (Acrynar), Add	57.40		
		For 70% Fluoropolymer Finish (Duranar), Add	172.19		
		For Clear Anodized Finish, Add	143.50		
		For Color Anodized Finish, Add	200.89		

08 Openings**08 50 Windows****08 51 Metal Windows**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 51 13 00-0037	SF	>30 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700).....	103.39	4.62
		For 50% Fluoropolymer Finish (Acrynar), Add	1.91	
		For 70% Fluoropolymer Finish (Duranar), Add	5.74	
		For Clear Anodized Finish, Add	4.78	
		For Color Anodized Finish, Add	6.70	

08 51 13 00-0038 4" Frame Depth, HC 70, Single Hung Aluminum Window (Kawneer 8400TL)
(08 51 13 00-0002)

08 51 13 00-0039	EA	>10 To 6 SF, 4" Frame Depth, HC 70, Single Hung Aluminum Window (Kawneer 8400TL).....	2,421.34	123.25
		For 50% Fluoropolymer Finish (Acrynar), Add	44.32	
		For 70% Fluoropolymer Finish (Duranar), Add	132.96	
		For Clear Anodized Finish, Add	110.80	
		For Color Anodized Finish, Add	155.11	
08 51 13 00-0040	EA	>6 To 10 SF, 4" Frame Depth, HC 70, Single Hung Aluminum Window (Kawneer 8400TL).....	2,809.52	130.95
		For 50% Fluoropolymer Finish (Acrynar), Add	51.83	
		For 70% Fluoropolymer Finish (Duranar), Add	155.48	
		For Clear Anodized Finish, Add	129.56	
		For Color Anodized Finish, Add	181.39	
08 51 13 00-0041	EA	>10 To 15 SF, 4" Frame Depth, HC 70, Single Hung Aluminum Window (Kawneer 8400TL).....	3,053.33	138.66
		For 50% Fluoropolymer Finish (Acrynar), Add	56.44	
		For 70% Fluoropolymer Finish (Duranar), Add	169.33	
		For Clear Anodized Finish, Add	141.11	
		For Color Anodized Finish, Add	197.56	
08 51 13 00-0042	EA	>15 To 20 SF, 4" Frame Depth, HC 70, Single Hung Aluminum Window (Kawneer 8400TL).....	3,282.77	146.37
		For 50% Fluoropolymer Finish (Acrynar), Add	60.78	
		For 70% Fluoropolymer Finish (Duranar), Add	182.33	
		For Clear Anodized Finish, Add	151.94	
		For Color Anodized Finish, Add	212.72	
08 51 13 00-0043	EA	>20 To 30 SF, 4" Frame Depth, HC 70, Single Hung Aluminum Window (Kawneer 8400TL).....	3,844.18	154.06
		For 50% Fluoropolymer Finish (Acrynar), Add	71.75	
		For 70% Fluoropolymer Finish (Duranar), Add	215.24	
		For Clear Anodized Finish, Add	179.37	
		For Color Anodized Finish, Add	251.12	
08 51 13 00-0044	SF	>30 SF, 4" Frame Depth, HC 70, Single Hung Aluminum Window (Kawneer 8400TL).....	127.29	4.62
		For 50% Fluoropolymer Finish (Acrynar), Add	2.39	
		For 70% Fluoropolymer Finish (Duranar), Add	7.17	
		For Clear Anodized Finish, Add	5.98	
		For Color Anodized Finish, Add	8.37	

08 51 13 00-0045 Double Hung Aluminum Windows
(08 51 13 00-0001)
08 51 13 00-0046 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)
(08 51 13 00-0045)

08 51 13 00-0047	EA	Up To 6 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000).....	1,221.72	123.25
		For 50% Fluoropolymer Finish (Acrynar), Add	20.33	
		For 70% Fluoropolymer Finish (Duranar), Add	60.98	
		For Clear Anodized Finish, Add	50.82	
		For Color Anodized Finish, Add	71.14	
08 51 13 00-0048	EA	>6 To 10 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000).....	1,361.60	130.95
		For 50% Fluoropolymer Finish (Acrynar), Add	22.87	
		For 70% Fluoropolymer Finish (Duranar), Add	68.60	
		For Clear Anodized Finish, Add	57.17	
		For Color Anodized Finish, Add	80.03	
08 51 13 00-0049	EA	>10 To 15 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000).....	1,478.37	138.66
		For 50% Fluoropolymer Finish (Acrynar), Add	24.95	
		For 70% Fluoropolymer Finish (Duranar), Add	74.84	
		For Clear Anodized Finish, Add	62.36	
		For Color Anodized Finish, Add	87.31	
08 51 13 00-0050	EA	>15 To 20 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000).....	1,600.94	146.37
		For 50% Fluoropolymer Finish (Acrynar), Add	27.14	
		For 70% Fluoropolymer Finish (Duranar), Add	81.42	
		For Clear Anodized Finish, Add	67.85	
		For Color Anodized Finish, Add	94.99	
08 51 13 00-0051	EA	>20 To 30 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000).....	1,896.72	154.06
		For 50% Fluoropolymer Finish (Acrynar), Add	32.80	
		For 70% Fluoropolymer Finish (Duranar), Add	98.40	
		For Clear Anodized Finish, Add	82.00	
		For Color Anodized Finish, Add	114.80	
08 51 13 00-0052	SF	>30 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000).....	62.39	4.62
		For 50% Fluoropolymer Finish (Acrynar), Add	1.09	
		For 70% Fluoropolymer Finish (Duranar), Add	3.28	
		For Clear Anodized Finish, Add	2.73	
		For Color Anodized Finish, Add	3.83	

08 51 13 00-0053 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)
(08 51 13 00-0045)

08 51 13 00-0054	EA	Up To 6 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000).....	1,550.87	123.25
		For 50% Fluoropolymer Finish (Acrynar), Add	26.91	
		For 70% Fluoropolymer Finish (Duranar), Add	80.73	
		For Clear Anodized Finish, Add	67.27	
		For Color Anodized Finish, Add	94.18	
08 51 13 00-0055	EA	>6 To 10 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000).....	1,817.78	130.95
		For 50% Fluoropolymer Finish (Acrynar), Add	31.99	
		For 70% Fluoropolymer Finish (Duranar), Add	95.97	
		For Clear Anodized Finish, Add	79.98	
		For Color Anodized Finish, Add	111.97	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0056	EA	>10 To 15 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	2,032.72	138.66
		For 50% Fluoropolymer Finish (Acrynar), Add	36.03	
		For 70% Fluoropolymer Finish (Duranar), Add	108.10	
		For Clear Anodized Finish, Add	90.08	
		For Color Anodized Finish, Add	126.11	
08 51 13 00-0057	EA	>15 To 20 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	2,276.55	146.37
		For 50% Fluoropolymer Finish (Acrynar), Add	40.65	
		For 70% Fluoropolymer Finish (Duranar), Add	121.96	
		For Clear Anodized Finish, Add	101.63	
		For Color Anodized Finish, Add	142.28	
08 51 13 00-0058	EA	>20 To 30 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	2,734.02	154.06
		For 50% Fluoropolymer Finish (Acrynar), Add	49.54	
		For 70% Fluoropolymer Finish (Duranar), Add	148.63	
		For Clear Anodized Finish, Add	123.86	
		For Color Anodized Finish, Add	173.41	
08 51 13 00-0059	SF	>30 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	90.28	4.62
		For 50% Fluoropolymer Finish (Acrynar), Add	1.65	
		For 70% Fluoropolymer Finish (Duranar), Add	4.95	
		For Clear Anodized Finish, Add	4.13	
		For Color Anodized Finish, Add	5.78	
08 51 13 00-0060 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400) (08 51 13 00-0045)				
08 51 13 00-0061	EA	Up To 6 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	2,007.05	123.25
		For 50% Fluoropolymer Finish (Acrynar), Add	36.03	
		For 70% Fluoropolymer Finish (Duranar), Add	108.10	
		For Clear Anodized Finish, Add	90.08	
		For Color Anodized Finish, Add	126.11	
08 51 13 00-0062	EA	>6 To 10 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	2,320.16	130.95
		For 50% Fluoropolymer Finish (Acrynar), Add	42.04	
		For 70% Fluoropolymer Finish (Duranar), Add	126.11	
		For Clear Anodized Finish, Add	105.10	
		For Color Anodized Finish, Add	147.13	
08 51 13 00-0063	EA	>10 To 15 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	2,581.29	138.66
		For 50% Fluoropolymer Finish (Acrynar), Add	47.00	
		For 70% Fluoropolymer Finish (Duranar), Add	141.01	
		For Clear Anodized Finish, Add	117.51	
		For Color Anodized Finish, Add	164.51	
08 51 13 00-0064	EA	>15 To 20 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	2,836.67	146.37
		For 50% Fluoropolymer Finish (Acrynar), Add	51.85	
		For 70% Fluoropolymer Finish (Duranar), Add	155.56	
		For Clear Anodized Finish, Add	129.64	
		For Color Anodized Finish, Add	181.49	
08 51 13 00-0065	EA	>20 To 30 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	3,467.37	154.06
		For 50% Fluoropolymer Finish (Acrynar), Add	64.21	
		For 70% Fluoropolymer Finish (Duranar), Add	192.64	
		For Clear Anodized Finish, Add	160.53	
		For Color Anodized Finish, Add	224.74	
08 51 13 00-0066	SF	>30 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	114.71	4.62
		For 50% Fluoropolymer Finish (Acrynar), Add	2.14	
		For 70% Fluoropolymer Finish (Duranar), Add	6.42	
		For Clear Anodized Finish, Add	5.35	
		For Color Anodized Finish, Add	7.49	
08 51 13 00-0067 4" Frame Depth, HC 70, Double Hung Aluminum Window (Kawneer 8400TL) (08 51 13 00-0045)				
08 51 13 00-0068	EA	Up To 6 SF, 4" Frame Depth, HC 70, Double Hung Aluminum Window (Kawneer 8400TL)	2,457.46	123.25
		For 50% Fluoropolymer Finish (Acrynar), Add	45.04	
		For 70% Fluoropolymer Finish (Duranar), Add	135.12	
		For Clear Anodized Finish, Add	112.60	
		For Color Anodized Finish, Add	157.64	
08 51 13 00-0069	EA	>6 To 10 SF, 4" Frame Depth, HC 70, Double Hung Aluminum Window (Kawneer 8400TL)	2,845.63	130.95
		For 50% Fluoropolymer Finish (Acrynar), Add	52.55	
		For 70% Fluoropolymer Finish (Duranar), Add	157.64	
		For Clear Anodized Finish, Add	131.37	
		For Color Anodized Finish, Add	183.92	
08 51 13 00-0070	EA	>10 To 15 SF, 4" Frame Depth, HC 70, Double Hung Aluminum Window (Kawneer 8400TL)	3,168.82	138.66
		For 50% Fluoropolymer Finish (Acrynar), Add	58.75	
		For 70% Fluoropolymer Finish (Duranar), Add	176.26	
		For Clear Anodized Finish, Add	146.89	
		For Color Anodized Finish, Add	205.64	
08 51 13 00-0071	EA	>15 To 20 SF, 4" Frame Depth, HC 70, Double Hung Aluminum Window (Kawneer 8400TL)	3,484.88	146.37
		For 50% Fluoropolymer Finish (Acrynar), Add	64.82	
		For 70% Fluoropolymer Finish (Duranar), Add	194.46	
		For Clear Anodized Finish, Add	162.05	
		For Color Anodized Finish, Add	226.87	
08 51 13 00-0072	EA	>20 To 30 SF, 4" Frame Depth, HC 70, Double Hung Aluminum Window (Kawneer 8400TL)	4,270.02	154.06
		For 50% Fluoropolymer Finish (Acrynar), Add	80.26	
		For 70% Fluoropolymer Finish (Duranar), Add	240.79	
		For Clear Anodized Finish, Add	200.66	
		For Color Anodized Finish, Add	280.93	
08 51 13 00-0073	SF	>30 SF, 4" Frame Depth, HC 70, Double Hung Aluminum Window (Kawneer 8400TL)	141.47	4.62
		For 50% Fluoropolymer Finish (Acrynar), Add	2.68	
		For 70% Fluoropolymer Finish (Duranar), Add	8.03	
		For Clear Anodized Finish, Add	6.69	
		For Color Anodized Finish, Add	9.36	

08 Openings**08 50 Windows****08 51 Metal Windows**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 51 13 00-0074	4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900) (08 51 13 00-0045)		
08 51 13 00-0075	EA Up To 10 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900) 3,238.30	130.95	
	For 50% Fluoropolymer Finish (Acrynar), Add	60.40	
	For 70% Fluoropolymer Finish (Duramar), Add	181.20	
	For Clear Anodized Finish, Add	151.00	
	For Color Anodized Finish, Add	211.40	
08 51 13 00-0076	EA >10 To 15 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)..... 3,557.17	138.66	
	For 50% Fluoropolymer Finish (Acrynar), Add	66.52	
	For 70% Fluoropolymer Finish (Duramar), Add	199.56	
	For Clear Anodized Finish, Add	166.30	
	For Color Anodized Finish, Add	232.83	
08 51 13 00-0077	EA >15 To 20 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)..... 3,933.81	146.37	
	For 50% Fluoropolymer Finish (Acrynar), Add	73.80	
	For 70% Fluoropolymer Finish (Duramar), Add	221.39	
	For Clear Anodized Finish, Add	184.49	
	For Color Anodized Finish, Add	258.29	
08 51 13 00-0078	EA >20 To 30 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)..... 4,576.07	154.06	
	For 50% Fluoropolymer Finish (Acrynar), Add	86.39	
	For 70% Fluoropolymer Finish (Duramar), Add	259.16	
	For Clear Anodized Finish, Add	215.96	
	For Color Anodized Finish, Add	302.35	
08 51 13 00-0079	SF >30 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)..... 151.49	4.62	
	For 50% Fluoropolymer Finish (Acrynar), Add	2.88	
	For 70% Fluoropolymer Finish (Duramar), Add	8.63	
	For Clear Anodized Finish, Add	7.19	
	For Color Anodized Finish, Add	10.06	
08 51 13 00-0080	5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600) (08 51 13 00-0045)		
08 51 13 00-0081	EA Up To 10 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600) 4,543.32	130.95	
	For 50% Fluoropolymer Finish (Acrynar), Add	86.50	
	For 70% Fluoropolymer Finish (Duramar), Add	259.50	
	For Clear Anodized Finish, Add	216.25	
	For Color Anodized Finish, Add	302.75	
08 51 13 00-0082	EA >10 To 15 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)..... 4,902.62	138.66	
	For 50% Fluoropolymer Finish (Acrynar), Add	93.43	
	For 70% Fluoropolymer Finish (Duramar), Add	280.29	
	For Clear Anodized Finish, Add	233.58	
	For Color Anodized Finish, Add	327.01	
08 51 13 00-0083	EA >15 To 20 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)..... 5,313.91	146.37	
	For 50% Fluoropolymer Finish (Acrynar), Add	101.40	
	For 70% Fluoropolymer Finish (Duramar), Add	304.20	
	For Clear Anodized Finish, Add	253.50	
	For Color Anodized Finish, Add	354.90	
08 51 13 00-0084	EA >20 To 30 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)..... 6,037.00	154.06	
	For 50% Fluoropolymer Finish (Acrynar), Add	115.60	
	For 70% Fluoropolymer Finish (Duramar), Add	346.81	
	For Clear Anodized Finish, Add	289.01	
	For Color Anodized Finish, Add	404.62	
08 51 13 00-0085	SF >30 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)..... 200.58	4.62	
	For 50% Fluoropolymer Finish (Acrynar), Add	3.86	
	For 70% Fluoropolymer Finish (Duramar), Add	11.57	
	For Clear Anodized Finish, Add	9.64	
	For Color Anodized Finish, Add	13.50	
08 51 13 00-0086	Horizontal Sliding Aluminum Windows (08 51 13 00-0001)		
08 51 13 00-0087	One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Windows (08 51 13 00-0086)		
08 51 13 00-0088	2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400) (08 51 13 00-0087)		
08 51 13 00-0089	EA Up To 6 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400) 1,094.69	123.25	
	For 50% Fluoropolymer Finish (Acrynar), Add	17.79	
	For 70% Fluoropolymer Finish (Duramar), Add	53.36	
	For Clear Anodized Finish, Add	44.46	
	For Color Anodized Finish, Add	62.25	
08 51 13 00-0090	EA >6 To 10 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400)..... 1,246.11	130.95	
	For 50% Fluoropolymer Finish (Acrynar), Add	20.56	
	For 70% Fluoropolymer Finish (Duramar), Add	61.67	
	For Clear Anodized Finish, Add	51.39	
	For Color Anodized Finish, Add	71.95	
08 51 13 00-0091	EA >10 To 15 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400)..... 1,357.11	138.66	
	For 50% Fluoropolymer Finish (Acrynar), Add	22.52	
	For 70% Fluoropolymer Finish (Duramar), Add	67.56	
	For Clear Anodized Finish, Add	56.30	
	For Color Anodized Finish, Add	78.82	
08 51 13 00-0092	EA >15 To 20 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400)..... 1,473.90	146.37	
	For 50% Fluoropolymer Finish (Acrynar), Add	24.60	
	For 70% Fluoropolymer Finish (Duramar), Add	73.80	
	For Clear Anodized Finish, Add	61.50	
	For Color Anodized Finish, Add	86.10	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0093	EA		>20 To 30 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	1,723.49 29.33 88.00 73.34 102.67	154.06
08 51 13 00-0094	SF		>30 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	56.62 0.98 2.93 2.45 3.42	4.62
08 51 13 00-0095			3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800) (08 51 13 00-0087)		
08 51 13 00-0096	EA		Up To 6 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	1,828.04 32.45 97.36 81.13 113.58	123.25
08 51 13 00-0097	EA		>6 To 10 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	2,071.86 37.07 111.22 92.68 129.75	130.95
08 51 13 00-0098	EA		>10 To 15 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	2,263.70 40.65 121.96 101.63 142.28	138.66
08 51 13 00-0099	EA		>15 To 20 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	2,449.78 44.12 132.35 110.29 154.41	146.37
08 51 13 00-0100	EA		>20 To 30 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	2,866.83 52.20 156.60 130.50 182.70	154.06
08 51 13 00-0101	SF		>30 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	94.73 1.74 5.22 4.35 6.09	4.62
08 51 13 00-0102			Two Rolling Sashes, Horizontal Sliding Aluminum Windows (08 51 13 00-0086)		
08 51 13 00-0103			3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000) (08 51 13 00-0102)		
08 51 13 00-0104	EA		Up To 6 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	1,244.82 20.79 62.36 51.97 72.76	123.25
08 51 13 00-0105	EA		>6 To 10 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	1,442.44 24.48 73.45 61.21 85.69	130.95
08 51 13 00-0106	EA		>10 To 15 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	1,570.76 26.79 80.38 66.98 93.78	138.66
08 51 13 00-0107	EA		>15 To 20 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	1,676.00 28.64 85.92 71.60 100.24	146.37
08 51 13 00-0108	EA		>20 To 30 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	1,960.24 34.07 102.21 85.17 119.24	154.06

08	08	Openings
	08 50	Windows
	08 51	Metal Windows

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 51 13 00-0109	SF >30 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000).....	64.47		4.62
	For 50% Fluoropolymer Finish (Acrynar), Add	1.14		
	For 70% Fluoropolymer Finish (Duramar), Add	3.41		
	For Clear Anodized Finish, Add	2.84		
	For Color Anodized Finish, Add	3.97		
08 51 13 00-0110	Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Windows (08 51 13 00-0086)			
08 51 13 00-0111	4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330) (08 51 13 00-0110)			
08 51 13 00-0112	EA Up To 12 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330).....	3,433.34		123.25
	For 50% Fluoropolymer Finish (Acrynar), Add	64.56		
	For 70% Fluoropolymer Finish (Duramar), Add	193.68		
	For Clear Anodized Finish, Add	161.40		
	For Color Anodized Finish, Add	225.95		
08 51 13 00-0113	EA >12 To 18 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330).....	3,950.48		142.51
	For 50% Fluoropolymer Finish (Acrynar), Add	74.26		
	For 70% Fluoropolymer Finish (Duramar), Add	222.78		
	For Clear Anodized Finish, Add	185.65		
	For Color Anodized Finish, Add	259.91		
08 51 13 00-0114	EA >18 To 24 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330).....	4,275.15		150.21
	For 50% Fluoropolymer Finish (Acrynar), Add	80.50		
	For 70% Fluoropolymer Finish (Duramar), Add	241.49		
	For Clear Anodized Finish, Add	201.24		
	For Color Anodized Finish, Add	281.74		
08 51 13 00-0115	EA >24 To 40 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330).....	5,184.96		169.47
	For 50% Fluoropolymer Finish (Acrynar), Add	98.05		
	For 70% Fluoropolymer Finish (Duramar), Add	294.15		
	For Clear Anodized Finish, Add	245.13		
	For Color Anodized Finish, Add	343.18		
08 51 13 00-0116	EA >40 To 60 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330).....	5,991.48		192.58
	For 50% Fluoropolymer Finish (Acrynar), Add	113.41		
	For 70% Fluoropolymer Finish (Duramar), Add	340.23		
	For Clear Anodized Finish, Add	283.53		
	For Color Anodized Finish, Add	396.94		
08 51 13 00-0117	SF >60 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330).....	102.18		4.62
	For 50% Fluoropolymer Finish (Acrynar), Add	1.89		
	For 70% Fluoropolymer Finish (Duramar), Add	5.67		
	For Clear Anodized Finish, Add	4.72		
	For Color Anodized Finish, Add	6.61		
08 51 13 00-0118	Fixed Aluminum Windows (08 51 13 00-0001)			
08 51 13 00-0119	2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280) (08 51 13 00-0118)			
08 51 13 00-0120	EA Up To 6 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280).....	823.29		123.25
	For 50% Fluoropolymer Finish (Acrynar), Add	12.36		
	For 70% Fluoropolymer Finish (Duramar), Add	37.07		
	For Clear Anodized Finish, Add	30.89		
	For Color Anodized Finish, Add	43.25		
08 51 13 00-0121	EA >6 To 10 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280).....	951.62		130.95
	For 50% Fluoropolymer Finish (Acrynar), Add	14.67		
	For 70% Fluoropolymer Finish (Duramar), Add	44.00		
	For Clear Anodized Finish, Add	36.67		
	For Color Anodized Finish, Add	51.34		
08 51 13 00-0122	EA >10 To 15 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280).....	1,004.87		138.66
	For 50% Fluoropolymer Finish (Acrynar), Add	15.48		
	For 70% Fluoropolymer Finish (Duramar), Add	46.43		
	For Clear Anodized Finish, Add	38.69		
	For Color Anodized Finish, Add	54.16		
08 51 13 00-0123	EA >15 To 20 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280).....	1,058.14		146.37
	For 50% Fluoropolymer Finish (Acrynar), Add	16.28		
	For 70% Fluoropolymer Finish (Duramar), Add	48.85		
	For Clear Anodized Finish, Add	40.71		
	For Color Anodized Finish, Add	56.99		
08 51 13 00-0124	EA >20 To 30 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280).....	1,446.32		154.06
	For 50% Fluoropolymer Finish (Acrynar), Add	23.79		
	For 70% Fluoropolymer Finish (Duramar), Add	71.37		
	For Clear Anodized Finish, Add	59.48		
	For Color Anodized Finish, Add	83.27		
08 51 13 00-0125	SF >30 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280).....	47.38		4.62
	For 50% Fluoropolymer Finish (Acrynar), Add	0.79		
	For 70% Fluoropolymer Finish (Duramar), Add	2.38		
	For Clear Anodized Finish, Add	1.98		
	For Color Anodized Finish, Add	2.78		
08 51 13 00-0126	2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800) (08 51 13 00-0118)			

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0127	EA	Up To 6 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duramar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	1,077.36 17.44 52.32 43.60 61.04	123.25
08 51 13 00-0128	EA	>6 To 10 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duramar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	1,246.11 20.56 61.67 51.39 71.95	130.95
08 51 13 00-0129	EA	>10 To 15 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duramar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	1,345.56 22.29 66.87 55.72 78.01	138.66
08 51 13 00-0130	EA	>15 To 20 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duramar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	1,450.80 24.14 72.41 60.34 84.48	146.37
08 51 13 00-0131	EA	>20 To 30 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duramar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	1,960.24 34.07 102.21 85.17 119.24	154.06
08 51 13 00-0132	SF	>30 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duramar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	64.47 1.14 3.41 2.84 3.97	4.62
08 51 13 00-0133		3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100) (08 51 13 00-0118)		
08 51 13 00-0134	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duramar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	904.13 13.97 41.92 34.94 48.91	123.25
08 51 13 00-0135	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duramar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	1,072.88 17.09 51.28 42.73 59.82	130.95
08 51 13 00-0136	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duramar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	1,160.78 18.59 55.78 46.48 65.08	138.66
08 51 13 00-0137	EA	>15 To 20 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duramar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	1,254.47 20.21 60.63 50.53 70.74	146.37
08 51 13 00-0138	EA	>20 To 30 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duramar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	1,735.04 29.57 88.70 73.91 103.48	154.06
08 51 13 00-0139	SF	>30 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duramar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	56.97 0.99 2.96 2.46 3.45	4.62
08 51 13 00-0140		4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500) (08 51 13 00-0118)		
08 51 13 00-0141	EA	Up To 6 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duramar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	898.35 13.86 41.58 34.65 48.51	123.25
08 51 13 00-0142	EA	>6 To 10 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duramar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	1,049.78 16.63 49.89 41.58 58.21	130.95
08 51 13 00-0143	EA	>10 To 15 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duramar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	1,137.68 18.13 54.40 45.33 63.46	138.66
08 51 13 00-0144	EA	>15 To 20 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duramar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	1,231.37 19.75 59.25 49.37 69.12	146.37

08 Openings**08 50 Windows****08 51 Metal Windows**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
08 51 13 00-0145	EA >20 To 30 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	1,711.94		154.06	
	For 50% Fluoropolymer Finish (Acrynar), Add	29.10			
	For 70% Fluoropolymer Finish (Duranar), Add	87.31			
	For Clear Anodized Finish, Add	72.76			
	For Color Anodized Finish, Add	101.86			
08 51 13 00-0146	SF >30 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	56.22		4.62	
	For 50% Fluoropolymer Finish (Acrynar), Add	0.97			
	For 70% Fluoropolymer Finish (Duranar), Add	2.91			
	For Clear Anodized Finish, Add	2.43			
	For Color Anodized Finish, Add	3.40			
08 51 13 00-0147	4" Frame Depth, HC 100, Fixed Aluminum Window (Kawneer 8400TL) (08 51 13 00-0118)				
08 51 13 00-0148	EA Up To 6 SF, 4" Frame Depth, HC 100, Fixed Aluminum Window (Kawneer 8400TL)	1,106.23		123.25	
	For 50% Fluoropolymer Finish (Acrynar), Add	18.02			
	For 70% Fluoropolymer Finish (Duranar), Add	54.05			
	For Clear Anodized Finish, Add	45.04			
	For Color Anodized Finish, Add	63.06			
08 51 13 00-0149	EA >6 To 10 SF, 4" Frame Depth, HC 100, Fixed Aluminum Window (Kawneer 8400TL)	1,299.24		130.95	
	For 50% Fluoropolymer Finish (Acrynar), Add	21.62			
	For 70% Fluoropolymer Finish (Duranar), Add	64.86			
	For Clear Anodized Finish, Add	54.05			
	For Color Anodized Finish, Add	75.67			
08 51 13 00-0150	EA >10 To 15 SF, 4" Frame Depth, HC 100, Fixed Aluminum Window (Kawneer 8400TL)	1,409.66		138.66	
	For 50% Fluoropolymer Finish (Acrynar), Add	23.57			
	For 70% Fluoropolymer Finish (Duranar), Add	70.71			
	For Clear Anodized Finish, Add	58.93			
	For Color Anodized Finish, Add	82.50			
08 51 13 00-0151	EA >15 To 20 SF, 4" Frame Depth, HC 100, Fixed Aluminum Window (Kawneer 8400TL)	1,527.60		146.37	
	For 50% Fluoropolymer Finish (Acrynar), Add	25.67			
	For 70% Fluoropolymer Finish (Duranar), Add	77.02			
	For Clear Anodized Finish, Add	64.18			
	For Color Anodized Finish, Add	89.86			
08 51 13 00-0152	EA >20 To 30 SF, 4" Frame Depth, HC 100, Fixed Aluminum Window (Kawneer 8400TL)	2,148.49		154.06	
	For 50% Fluoropolymer Finish (Acrynar), Add	37.83			
	For 70% Fluoropolymer Finish (Duranar), Add	113.50			
	For Clear Anodized Finish, Add	94.59			
	For Color Anodized Finish, Add	132.42			
08 51 13 00-0153	SF >30 SF, 4" Frame Depth, HC 100, Fixed Aluminum Window (Kawneer 8400TL)	70.76		4.62	
	For 50% Fluoropolymer Finish (Acrynar), Add	1.26			
	For 70% Fluoropolymer Finish (Duranar), Add	3.78			
	For Clear Anodized Finish, Add	3.15			
	For Color Anodized Finish, Add	4.41			
08 51 13 00-0154	Projected Aluminum Windows (08 51 13 00-0001)				
08 51 13 00-0155	Single Vent, Projected Aluminum Windows (08 51 13 00-0154)				
08 51 13 00-0156	2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250) (08 51 13 00-0155)				
08 51 13 00-0157	EA Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250)	1,257.52		123.25	
	For 50% Fluoropolymer Finish (Acrynar), Add	21.04			
	For 70% Fluoropolymer Finish (Duranar), Add	63.13			
	For Clear Anodized Finish, Add	52.61			
	For Color Anodized Finish, Add	73.65			
08 51 13 00-0158	EA >6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250)	1,366.80		130.95	
	For 50% Fluoropolymer Finish (Acrynar), Add	22.97			
	For 70% Fluoropolymer Finish (Duranar), Add	68.91			
	For Clear Anodized Finish, Add	57.43			
	For Color Anodized Finish, Add	80.40			
08 51 13 00-0159	EA >10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250)	1,495.69		138.66	
	For 50% Fluoropolymer Finish (Acrynar), Add	25.29			
	For 70% Fluoropolymer Finish (Duranar), Add	75.88			
	For Clear Anodized Finish, Add	63.23			
	For Color Anodized Finish, Add	88.52			
08 51 13 00-0160	SF >15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250)	92.02		4.62	
	For 50% Fluoropolymer Finish (Acrynar), Add	1.69			
	For 70% Fluoropolymer Finish (Duranar), Add	5.06			
	For Clear Anodized Finish, Add	4.22			
	For Color Anodized Finish, Add	5.90			
08 51 13 00-0161	2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500) (08 51 13 00-0155)				
08 51 13 00-0162	EA Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500)	1,768.04		123.25	
	For 50% Fluoropolymer Finish (Acrynar), Add	31.25			
	For 70% Fluoropolymer Finish (Duranar), Add	93.76			
	For Clear Anodized Finish, Add	78.13			
	For Color Anodized Finish, Add	109.38			
08 51 13 00-0163	EA >6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500)	1,961.62		130.95	
	For 50% Fluoropolymer Finish (Acrynar), Add	34.87			
	For 70% Fluoropolymer Finish (Duranar), Add	104.60			
	For Clear Anodized Finish, Add	87.17			
	For Color Anodized Finish, Add	122.04			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0164	EA		>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500)	2,188.63	138.66
			For 50% Fluoropolymer Finish (Acrynar), Add	39.15	
			For 70% Fluoropolymer Finish (Duranar), Add	117.45	
			For Clear Anodized Finish, Add	97.88	
			For Color Anodized Finish, Add	137.03	
08 51 13 00-0165	SF		>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500)	138.21	4.62
			For 50% Fluoropolymer Finish (Acrynar), Add	2.61	
			For 70% Fluoropolymer Finish (Duranar), Add	7.83	
			For Clear Anodized Finish, Add	6.53	
			For Color Anodized Finish, Add	9.14	
08 51 13 00-0166 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500) (08 51 13 00-0155)					
08 51 13 00-0167	EA		Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500)	1,959.52	123.25
			For 50% Fluoropolymer Finish (Acrynar), Add	35.08	
			For 70% Fluoropolymer Finish (Duranar), Add	105.25	
			For Clear Anodized Finish, Add	87.71	
			For Color Anodized Finish, Add	122.79	
08 51 13 00-0168	EA		>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500)	2,184.63	130.95
			For 50% Fluoropolymer Finish (Acrynar), Add	39.33	
			For 70% Fluoropolymer Finish (Duranar), Add	117.98	
			For Clear Anodized Finish, Add	98.32	
			For Color Anodized Finish, Add	137.65	
08 51 13 00-0169	EA		>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500)	2,448.48	138.66
			For 50% Fluoropolymer Finish (Acrynar), Add	44.35	
			For 70% Fluoropolymer Finish (Duranar), Add	133.04	
			For Clear Anodized Finish, Add	110.87	
			For Color Anodized Finish, Add	155.22	
08 51 13 00-0170	SF		>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500)	155.54	4.62
			For 50% Fluoropolymer Finish (Acrynar), Add	2.96	
			For 70% Fluoropolymer Finish (Duranar), Add	8.87	
			For Clear Anodized Finish, Add	7.39	
			For Color Anodized Finish, Add	10.35	
08 51 13 00-0171 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3600) (08 51 13 00-0155)					
08 51 13 00-0172	EA		Up To 6 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3600)	2,091.41	123.25
			For 50% Fluoropolymer Finish (Acrynar), Add	37.72	
			For 70% Fluoropolymer Finish (Duranar), Add	113.16	
			For Clear Anodized Finish, Add	94.30	
			For Color Anodized Finish, Add	132.02	
08 51 13 00-0173	EA		>6 To 10 SF, Single Vent, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap Projected Aluminum Window (Traco TR-3600)	2,338.29	130.95
			For 50% Fluoropolymer Finish (Acrynar), Add	42.40	
			For 70% Fluoropolymer Finish (Duranar), Add	127.20	
			For Clear Anodized Finish, Add	106.00	
			For Color Anodized Finish, Add	148.40	
08 51 13 00-0174	EA		>10 To 15 SF, Single Vent, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap Projected Aluminum Window (Traco TR-3600)	2,627.49	138.66
			For 50% Fluoropolymer Finish (Acrynar), Add	47.93	
			For 70% Fluoropolymer Finish (Duranar), Add	143.78	
			For Clear Anodized Finish, Add	119.82	
			For Color Anodized Finish, Add	167.75	
08 51 13 00-0175	SF		>15 SF, Single Vent, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap Projected Aluminum Window (Traco TR-3600)	167.49	4.62
			For 50% Fluoropolymer Finish (Acrynar), Add	3.20	
			For 70% Fluoropolymer Finish (Duranar), Add	9.59	
			For Clear Anodized Finish, Add	7.99	
			For Color Anodized Finish, Add	11.18	
08 51 13 00-0176 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750) (08 51 13 00-0155)					
08 51 13 00-0177	EA		Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750)	2,074.38	123.25
			For 50% Fluoropolymer Finish (Acrynar), Add	37.38	
			For 70% Fluoropolymer Finish (Duranar), Add	112.14	
			For Clear Anodized Finish, Add	93.45	
			For Color Anodized Finish, Add	130.83	
08 51 13 00-0178	EA		>6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750)	2,318.49	130.95
			For 50% Fluoropolymer Finish (Acrynar), Add	42.00	
			For 70% Fluoropolymer Finish (Duranar), Add	126.01	
			For Clear Anodized Finish, Add	105.01	
			For Color Anodized Finish, Add	147.02	
08 51 13 00-0179	EA		>10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750)	2,604.39	138.66
			For 50% Fluoropolymer Finish (Acrynar), Add	47.47	
			For 70% Fluoropolymer Finish (Duranar), Add	142.40	
			For Clear Anodized Finish, Add	118.67	
			For Color Anodized Finish, Add	166.13	

08 Openings**08 50 Windows****08 51 Metal Windows**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 51 13 00-0180	SF	>15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750).....	165.93	4.62
		For 50% Fluoropolymer Finish (Acrynar), Add	3.16	
		For 70% Fluoropolymer Finish (Duranar), Add	9.49	
		For Clear Anodized Finish, Add	7.91	
		For Color Anodized Finish, Add	11.08	

08 51 13 00-0181 Fixed Over Vent, Projected Aluminum Windows (08 51 13 00-0154)

08 51 13 00-0182 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250) (08 51 13 00-0181)

08 51 13 00-0183	EA	Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250)	1,814.87	123.25
		For 50% Fluoropolymer Finish (Acrynar), Add	32.19	
		For 70% Fluoropolymer Finish (Duranar), Add	96.57	
		For Clear Anodized Finish, Add	80.47	
		For Color Anodized Finish, Add	112.66	
08 51 13 00-0184	EA	>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250)	2,016.14	130.95
		For 50% Fluoropolymer Finish (Acrynar), Add	35.96	
		For 70% Fluoropolymer Finish (Duranar), Add	107.87	
		For Clear Anodized Finish, Add	89.89	
		For Color Anodized Finish, Add	125.85	
08 51 13 00-0185	EA	>10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250)	2,252.15	138.66
		For 50% Fluoropolymer Finish (Acrynar), Add	40.42	
		For 70% Fluoropolymer Finish (Duranar), Add	121.26	
		For Clear Anodized Finish, Add	101.05	
		For Color Anodized Finish, Add	141.47	
08 51 13 00-0186	SF	>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250).....	142.25	4.62
		For 50% Fluoropolymer Finish (Acrynar), Add	2.69	
		For 70% Fluoropolymer Finish (Duranar), Add	8.07	
		For Clear Anodized Finish, Add	6.73	
		For Color Anodized Finish, Add	9.42	

08 51 13 00-0187 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500) (08 51 13 00-0181)

08 51 13 00-0188	EA	Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500)	2,623.24	123.25
		For 50% Fluoropolymer Finish (Acrynar), Add	48.36	
		For 70% Fluoropolymer Finish (Duranar), Add	145.07	
		For Clear Anodized Finish, Add	120.89	
		For Color Anodized Finish, Add	169.25	
08 51 13 00-0189	EA	>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500)	2,957.89	130.95
		For 50% Fluoropolymer Finish (Acrynar), Add	54.79	
		For 70% Fluoropolymer Finish (Duranar), Add	164.38	
		For Clear Anodized Finish, Add	136.98	
		For Color Anodized Finish, Add	191.77	
08 51 13 00-0190	EA	>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500)	3,349.29	138.66
		For 50% Fluoropolymer Finish (Acrynar), Add	62.36	
		For 70% Fluoropolymer Finish (Duranar), Add	187.09	
		For Clear Anodized Finish, Add	155.91	
		For Color Anodized Finish, Add	218.27	
08 51 13 00-0191	SF	>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500)	215.59	4.62
		For 50% Fluoropolymer Finish (Acrynar), Add	4.16	
		For 70% Fluoropolymer Finish (Duranar), Add	12.47	
		For Clear Anodized Finish, Add	10.39	
		For Color Anodized Finish, Add	14.55	

08 51 13 00-0192 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500) (08 51 13 00-0181)

08 51 13 00-0193	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500)	2,793.41	123.25
		For 50% Fluoropolymer Finish (Acrynar), Add	51.76	
		For 70% Fluoropolymer Finish (Duranar), Add	155.28	
		For Clear Anodized Finish, Add	129.40	
		For Color Anodized Finish, Add	181.16	
08 51 13 00-0194	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500)	3,156.13	130.95
		For 50% Fluoropolymer Finish (Acrynar), Add	58.76	
		For 70% Fluoropolymer Finish (Duranar), Add	176.27	
		For Clear Anodized Finish, Add	146.89	
		For Color Anodized Finish, Add	205.65	
08 51 13 00-0195	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500)	3,580.27	138.66
		For 50% Fluoropolymer Finish (Acrynar), Add	66.98	
		For 70% Fluoropolymer Finish (Duranar), Add	200.95	
		For Clear Anodized Finish, Add	167.46	
		For Color Anodized Finish, Add	234.44	
08 51 13 00-0196	SF	>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500)	230.60	4.62
		For 50% Fluoropolymer Finish (Acrynar), Add	4.46	
		For 70% Fluoropolymer Finish (Duranar), Add	13.37	
		For Clear Anodized Finish, Add	11.14	
		For Color Anodized Finish, Add	15.60	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 51 13 00-0197	3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600) (08 51 13 00-0181)		
08 51 13 00-0198	EA Up To 6 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600).....	2,776.44	123.25
	For 50% Fluoropolymer Finish (Acrynar), Add	51.42	
	For 70% Fluoropolymer Finish (Duranar), Add	154.26	
	For Clear Anodized Finish, Add	128.55	
	For Color Anodized Finish, Add	179.97	
08 51 13 00-0199	EA >6 To 10 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600).....	3,136.32	130.95
	For 50% Fluoropolymer Finish (Acrynar), Add	58.36	
	For 70% Fluoropolymer Finish (Duranar), Add	175.08	
	For Clear Anodized Finish, Add	145.90	
	For Color Anodized Finish, Add	204.26	
08 51 13 00-0200	EA >10 To 15 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600).....	3,557.17	138.66
	For 50% Fluoropolymer Finish (Acrynar), Add	66.52	
	For 70% Fluoropolymer Finish (Duranar), Add	199.56	
	For Clear Anodized Finish, Add	166.30	
	For Color Anodized Finish, Add	232.83	
08 51 13 00-0201	SF >15 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600).....	229.45	4.62
	For 50% Fluoropolymer Finish (Acrynar), Add	4.43	
	For 70% Fluoropolymer Finish (Duranar), Add	13.30	
	For Clear Anodized Finish, Add	11.09	
	For Color Anodized Finish, Add	15.52	
08 51 13 00-0202	4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750) (08 51 13 00-0181)		
08 51 13 00-0203	EA Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750).....	3,040.21	123.25
	For 50% Fluoropolymer Finish (Acrynar), Add	56.70	
	For 70% Fluoropolymer Finish (Duranar), Add	170.09	
	For Clear Anodized Finish, Add	141.74	
	For Color Anodized Finish, Add	198.44	
08 51 13 00-0204	EA >6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750).....	3,443.64	130.95
	For 50% Fluoropolymer Finish (Acrynar), Add	64.51	
	For 70% Fluoropolymer Finish (Duranar), Add	193.52	
	For Clear Anodized Finish, Add	161.27	
	For Color Anodized Finish, Add	225.78	
08 51 13 00-0205	EA >10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750).....	3,915.19	138.66
	For 50% Fluoropolymer Finish (Acrynar), Add	73.68	
	For 70% Fluoropolymer Finish (Duranar), Add	221.05	
	For Clear Anodized Finish, Add	184.21	
	For Color Anodized Finish, Add	257.89	
08 51 13 00-0206	SF >15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750).....	253.12	4.62
	For 50% Fluoropolymer Finish (Acrynar), Add	4.91	
	For 70% Fluoropolymer Finish (Duranar), Add	14.72	
	For Clear Anodized Finish, Add	12.27	
	For Color Anodized Finish, Add	17.18	
08 51 13 00-0207	Casement Aluminum Windows (08 51 13 00-0001)		
08 51 13 00-0208	Single Vent, Casement Aluminum Windows (08 51 13 00-0207)		
08 51 13 00-0209	2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220) (08 51 13 00-0208)		
08 51 13 00-0210	EA Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220).....	1,465.98	123.25
	For 50% Fluoropolymer Finish (Acrynar), Add	25.21	
	For 70% Fluoropolymer Finish (Duranar), Add	75.63	
	For Clear Anodized Finish, Add	63.03	
	For Color Anodized Finish, Add	88.24	
08 51 13 00-0211	EA >6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220).....	1,609.67	130.95
	For 50% Fluoropolymer Finish (Acrynar), Add	27.83	
	For 70% Fluoropolymer Finish (Duranar), Add	83.48	
	For Clear Anodized Finish, Add	69.57	
	For Color Anodized Finish, Add	97.40	
08 51 13 00-0212	EA >10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220).....	1,778.64	138.66
	For 50% Fluoropolymer Finish (Acrynar), Add	30.95	
	For 70% Fluoropolymer Finish (Duranar), Add	92.85	
	For Clear Anodized Finish, Add	77.38	
	For Color Anodized Finish, Add	108.33	
08 51 13 00-0213	SF >15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220).....	110.90	4.62
	For 50% Fluoropolymer Finish (Acrynar), Add	2.06	
	For 70% Fluoropolymer Finish (Duranar), Add	6.19	
	For Clear Anodized Finish, Add	5.16	
	For Color Anodized Finish, Add	7.22	
08 51 13 00-0214	2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200) (08 51 13 00-0208)		

08 Openings**08 50 Windows****08 51 Metal Windows**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
08 51 13 00-0215	EA	Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200).....	2,240.34	123.25	
		For 50% Fluoropolymer Finish (Acrynar), Add	40.70		
		For 70% Fluoropolymer Finish (Duranar), Add	122.10		
		For Clear Anodized Finish, Add	101.75		
		For Color Anodized Finish, Add	142.44		
08 51 13 00-0216	EA	>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200).....	2,511.76	130.95	
		For 50% Fluoropolymer Finish (Acrynar), Add	45.87		
		For 70% Fluoropolymer Finish (Duranar), Add	137.61		
		For Clear Anodized Finish, Add	114.68		
		For Color Anodized Finish, Add	160.55		
08 51 13 00-0217	EA	>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200).....	2,829.59	138.66	
		For 50% Fluoropolymer Finish (Acrynar), Add	51.97		
		For 70% Fluoropolymer Finish (Duranar), Add	155.91		
		For Clear Anodized Finish, Add	129.93		
		For Color Anodized Finish, Add	181.90		
08 51 13 00-0218	SF	>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200).....	180.94	4.62	
		For 50% Fluoropolymer Finish (Acrynar), Add	3.46		
		For 70% Fluoropolymer Finish (Duranar), Add	10.39		
		For Clear Anodized Finish, Add	8.66		
		For Color Anodized Finish, Add	12.13		
08 51 13 00-0219 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200) (08 51 13 00-0208)					
08 51 13 00-0220	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200).....	2,253.10	123.25	
		For 50% Fluoropolymer Finish (Acrynar), Add	40.95		
		For 70% Fluoropolymer Finish (Duranar), Add	122.86		
		For Clear Anodized Finish, Add	102.38		
		For Color Anodized Finish, Add	143.34		
08 51 13 00-0221	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200).....	2,526.65	130.95	
		For 50% Fluoropolymer Finish (Acrynar), Add	46.17		
		For 70% Fluoropolymer Finish (Duranar), Add	138.50		
		For Clear Anodized Finish, Add	115.42		
		For Color Anodized Finish, Add	161.59		
08 51 13 00-0222	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200).....	2,846.92	138.66	
		For 50% Fluoropolymer Finish (Acrynar), Add	52.32		
		For 70% Fluoropolymer Finish (Duranar), Add	156.95		
		For Clear Anodized Finish, Add	130.79		
		For Color Anodized Finish, Add	183.11		
08 51 13 00-0223	SF	>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200).....	182.10	4.62	
		For 50% Fluoropolymer Finish (Acrynar), Add	3.49		
		For 70% Fluoropolymer Finish (Duranar), Add	10.46		
		For Clear Anodized Finish, Add	8.72		
		For Color Anodized Finish, Add	12.21		
08 51 13 00-0224 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720) (08 51 13 00-0208)					
08 51 13 00-0225	EA	Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720).....	2,384.99	123.25	
		For 50% Fluoropolymer Finish (Acrynar), Add	43.59		
		For 70% Fluoropolymer Finish (Duranar), Add	130.77		
		For Clear Anodized Finish, Add	108.98		
		For Color Anodized Finish, Add	152.57		
08 51 13 00-0226	EA	>6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720).....	2,680.31	130.95	
		For 50% Fluoropolymer Finish (Acrynar), Add	49.24		
		For 70% Fluoropolymer Finish (Duranar), Add	147.72		
		For Clear Anodized Finish, Add	123.10		
		For Color Anodized Finish, Add	172.34		
08 51 13 00-0227	EA	>10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720).....	3,025.92	138.66	
		For 50% Fluoropolymer Finish (Acrynar), Add	55.90		
		For 70% Fluoropolymer Finish (Duranar), Add	167.69		
		For Clear Anodized Finish, Add	139.74		
		For Color Anodized Finish, Add	195.64		
08 51 13 00-0228	SF	>15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720).....	194.05	4.62	
		For 50% Fluoropolymer Finish (Acrynar), Add	3.73		
		For 70% Fluoropolymer Finish (Duranar), Add	11.18		
		For Clear Anodized Finish, Add	9.32		
		For Color Anodized Finish, Add	13.04		
08 51 13 00-0229 Fixed Over Vent, Casement Aluminum Windows (08 51 13 00-0207)					
08 51 13 00-0230 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220) (08 51 13 00-0228)					
08 51 13 00-0231	EA	Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220).....	1,700.00	123.25	
		For 50% Fluoropolymer Finish (Acrynar), Add	29.89		
		For 70% Fluoropolymer Finish (Duranar), Add	89.67		
		For Clear Anodized Finish, Add	74.73		
		For Color Anodized Finish, Add	104.62		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0232	EA	>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220)	.....	1,882.28	130.95
		For 50% Fluoropolymer Finish (Acrynar), Add	.....	33.28	
		For 70% Fluoropolymer Finish (Duramar), Add	.....	99.84	
		For Clear Anodized Finish, Add	.....	83.20	
		For Color Anodized Finish, Add	.....	116.48	
08 51 13 00-0233	EA	>10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220)	.....	2,096.24	138.66
		For 50% Fluoropolymer Finish (Acrynar), Add	.....	37.30	
		For 70% Fluoropolymer Finish (Duramar), Add	.....	111.91	
		For Clear Anodized Finish, Add	.....	93.26	
		For Color Anodized Finish, Add	.....	130.56	
08 51 13 00-0234	SF	>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220)	.....	132.03	4.62
		For 50% Fluoropolymer Finish (Acrynar), Add	.....	2.49	
		For 70% Fluoropolymer Finish (Duramar), Add	.....	7.46	
		For Clear Anodized Finish, Add	.....	6.22	
		For Color Anodized Finish, Add	.....	8.70	
08 51 13 00-0235 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200) (08 51 13 00-0229)					
08 51 13 00-0236	EA	Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200)	.....	2,474.32	123.25
		For 50% Fluoropolymer Finish (Acrynar), Add	.....	45.38	
		For 70% Fluoropolymer Finish (Duramar), Add	.....	136.13	
		For Clear Anodized Finish, Add	.....	113.45	
		For Color Anodized Finish, Add	.....	158.82	
08 51 13 00-0237	EA	>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200)	.....	2,784.37	130.95
		For 50% Fluoropolymer Finish (Acrynar), Add	.....	51.32	
		For 70% Fluoropolymer Finish (Duramar), Add	.....	153.97	
		For Clear Anodized Finish, Add	.....	128.31	
		For Color Anodized Finish, Add	.....	179.63	
08 51 13 00-0238	EA	>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200)	.....	3,147.19	138.66
		For 50% Fluoropolymer Finish (Acrynar), Add	.....	58.32	
		For 70% Fluoropolymer Finish (Duramar), Add	.....	174.97	
		For Clear Anodized Finish, Add	.....	145.81	
		For Color Anodized Finish, Add	.....	204.13	
08 51 13 00-0239	SF	>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200)	.....	202.14	4.62
		For 50% Fluoropolymer Finish (Acrynar), Add	.....	3.89	
		For 70% Fluoropolymer Finish (Duramar), Add	.....	11.67	
		For Clear Anodized Finish, Add	.....	9.72	
		For Color Anodized Finish, Add	.....	13.61	
08 51 13 00-0240 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200) (08 51 13 00-0229)					
08 51 13 00-0241	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200)	.....	2,759.40	123.25
		For 50% Fluoropolymer Finish (Acrynar), Add	.....	51.08	
		For 70% Fluoropolymer Finish (Duramar), Add	.....	153.24	
		For Clear Anodized Finish, Add	.....	127.70	
		For Color Anodized Finish, Add	.....	178.78	
08 51 13 00-0242	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200)	.....	3,116.51	130.95
		For 50% Fluoropolymer Finish (Acrynar), Add	.....	57.97	
		For 70% Fluoropolymer Finish (Duramar), Add	.....	173.90	
		For Clear Anodized Finish, Add	.....	144.91	
		For Color Anodized Finish, Add	.....	202.88	
08 51 13 00-0243	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200)	.....	3,534.08	138.66
		For 50% Fluoropolymer Finish (Acrynar), Add	.....	66.06	
		For 70% Fluoropolymer Finish (Duramar), Add	.....	198.18	
		For Clear Anodized Finish, Add	.....	165.15	
		For Color Anodized Finish, Add	.....	231.21	
08 51 13 00-0244	SF	>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200)	.....	227.89	4.62
		For 50% Fluoropolymer Finish (Acrynar), Add	.....	4.40	
		For 70% Fluoropolymer Finish (Duramar), Add	.....	13.21	
		For Clear Anodized Finish, Add	.....	11.01	
		For Color Anodized Finish, Add	.....	15.41	
08 51 13 00-0245 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720) (08 51 13 00-0229)					
08 51 13 00-0246	EA	Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720)	.....	3,018.91	123.25
		For 50% Fluoropolymer Finish (Acrynar), Add	.....	56.27	
		For 70% Fluoropolymer Finish (Duramar), Add	.....	168.81	
		For Clear Anodized Finish, Add	.....	140.67	
		For Color Anodized Finish, Add	.....	196.94	
08 51 13 00-0247	EA	>6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720)	.....	3,418.86	130.95
		For 50% Fluoropolymer Finish (Acrynar), Add	.....	64.01	
		For 70% Fluoropolymer Finish (Duramar), Add	.....	192.04	
		For Clear Anodized Finish, Add	.....	160.03	
		For Color Anodized Finish, Add	.....	224.04	

08 Openings**08 50 Windows****08 51 Metal Windows**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 51 13 00-0248	EA	>10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720)	3,886.32	138.66
		For 50% Fluoropolymer Finish (Acrynar), Add	73.10	
		For 70% Fluoropolymer Finish (Duranar), Add	219.31	
		For Clear Anodized Finish, Add	182.76	
		For Color Anodized Finish, Add	255.87	
08 51 13 00-0249	SF	>15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720)	251.39	4.62
		For 50% Fluoropolymer Finish (Acrynar), Add	4.87	
		For 70% Fluoropolymer Finish (Duranar), Add	14.62	
		For Clear Anodized Finish, Add	12.18	
		For Color Anodized Finish, Add	17.06	

08 51 13 00-0250 Aluminum Window Accessories (08 51 13)**08 51 13 00-0251 Aluminum Window Mullions** (08 51 13 00-0250)

08 51 13 00-0252	LF	Integral Mullions For Aluminum Windows	47.44	5.77
		For 50% Fluoropolymer Finish (Acrynar), Add	0.74	
		For 70% Fluoropolymer Finish (Duranar), Add	2.21	
		For Clear Anodized Finish, Add	1.84	
		For Color Anodized Finish, Add	2.57	

08 51 13 00-0253 Aluminum Window Panning (08 51 13 00-0250)

Note: Panning price is determined by window size. For windows greater than 30 square feet multiply window square footage by square foot price.

08 51 13 00-0254	EA	Up To 6 SF Window, Aluminum Window Panning	523.15	52.46
		For 50% Fluoropolymer Finish (Acrynar), Add	8.71	
		For 70% Fluoropolymer Finish (Duranar), Add	26.14	
		For Clear Anodized Finish, Add	21.79	
		For Color Anodized Finish, Add	30.50	
08 51 13 00-0255	EA	>6 To 10 SF Window, Aluminum Window Panning	707.44	87.44
		For 50% Fluoropolymer Finish (Acrynar), Add	11.23	
		For 70% Fluoropolymer Finish (Duranar), Add	33.70	
		For Clear Anodized Finish, Add	28.09	
		For Color Anodized Finish, Add	39.32	
08 51 13 00-0256	EA	>10 To 15 SF Window, Aluminum Window Panning	832.80	131.17
		For 50% Fluoropolymer Finish (Acrynar), Add	12.28	
		For 70% Fluoropolymer Finish (Duranar), Add	36.85	
		For Clear Anodized Finish, Add	30.71	
		For Color Anodized Finish, Add	42.99	
08 51 13 00-0257	EA	>15 To 20 SF Window, Aluminum Window Panning	968.68	174.89
		For 50% Fluoropolymer Finish (Acrynar), Add	13.54	
		For 70% Fluoropolymer Finish (Duranar), Add	40.63	
		For Clear Anodized Finish, Add	33.86	
		For Color Anodized Finish, Add	47.40	
08 51 13 00-0258	EA	>20 To 30 SF Window, Aluminum Window Panning	1,235.15	262.34
		For 50% Fluoropolymer Finish (Acrynar), Add	15.96	
		For 70% Fluoropolymer Finish (Duranar), Add	47.88	
		For Clear Anodized Finish, Add	39.90	
		For Color Anodized Finish, Add	55.85	
08 51 13 00-0259	SF	>30 SF Window, Aluminum Window Panning	43.16	10.94
		For 50% Fluoropolymer Finish (Acrynar), Add	0.50	
		For 70% Fluoropolymer Finish (Duranar), Add	1.50	
		For Clear Anodized Finish, Add	1.25	
		For Color Anodized Finish, Add	1.75	

08 51 13 00-0260 Aluminum Window Muntins, Grilles Or Dividers (08 51 13 00-0250)

08 51 13 00-0261	SF	Applied (Per Side) Muntins Grilles Or Dividers For Aluminum Windows	10.07	5.77
		For 50% Fluoropolymer Finish (Acrynar), Add	0.05	
		For 70% Fluoropolymer Finish (Duranar), Add	0.14	
		For Clear Anodized Finish, Add	0.12	
		For Color Anodized Finish, Add	0.17	
08 51 13 00-0262	SF	Internal Only (Between Glass) Muntins, Grilles Or Dividers For Aluminum Windows	16.90	5.77
		For 50% Fluoropolymer Finish (Acrynar), Add	0.18	
		For 70% Fluoropolymer Finish (Duranar), Add	0.55	
		For Clear Anodized Finish, Add	0.46	
		For Color Anodized Finish, Add	0.64	
08 51 13 00-0263	SF	Simulated Divided Lite Muntins Grilles Or Dividers For Aluminum Windows	32.38	5.77
		For 50% Fluoropolymer Finish (Acrynar), Add	0.26	
		For 70% Fluoropolymer Finish (Duranar), Add	0.79	
		For Clear Anodized Finish, Add	0.66	
		For Color Anodized Finish, Add	0.92	
08 51 13 00-0264	SF	True Divided Lite Muntins Grilles Or Dividers For Aluminum Windows	40.20	5.77
		For 50% Fluoropolymer Finish (Acrynar), Add	0.37	
		For 70% Fluoropolymer Finish (Duranar), Add	1.10	
		For Clear Anodized Finish, Add	0.92	
		For Color Anodized Finish, Add	1.29	

08 51 13 00-0265 Other Aluminum Window Accessories (08 51 13 00-0250)

08 51 13 00-0266	EA	Roto Operator For Casement Aluminum Windows	440.37	25.66
08 51 13 00-0267	EA	Head And Sill Automatic Locks For Hung Aluminum Windows	209.39	25.66

08 51 19 Stainless-Steel Windows (08 51)

See CSI section 08 80 00 00-0000 for glazing.

08 51 19 00-0001 Stainless Steel Windows Types (08 51 19)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST

08 51 19 00-0002 Industrial (08 51 19 00-0001)					
08 51 19 00-0003	SF		Stainless Steel Window With Horizontal Pivot Sash	120.35	7.71
08 51 19 00-0004	SF		Stainless Steel Window, Fixed Sash	90.01	7.71
08 51 19 00-0005 Projected Sash (08 51 19 00-0001)					
08 51 19 00-0006	SF		Commercial Projected Sash Window - 40% Vented Stainless Steel	126.01	7.71
08 51 19 00-0007	SF		Intermediate Projected Sash Window - 40% Vented Stainless Steel.....	139.43	7.71
08 51 19 00-0008 Other Type Sash (08 51 19 00-0001)					
08 51 19 00-0009	SF		Double Hung Stainless Steel Window Sash	152.81	7.71
08 51 19 00-0010	SF		Single Hung Stainless Steel Window Sash.....	107.23	7.71
08 51 19 00-0011	SF		Stainless Steel Picture Window Sash	89.11	7.71
08 51 19 00-0012	SF		Sliding Stainless Steel Window.....	157.72	7.71
08 51 19 00-0013 Casements (08 51 19 00-0001)					
08 51 19 00-0014	SF		Stainless Steel Window Casements, 100% Vented Operable, Factory Primed.....	136.65	7.71
08 51 19 00-0015	SF		Stainless Steel Window Casements, 50% Vented Operable, Factory Primed	117.79	7.71
08 51 19 00-0016	SF		Stainless Steel Window Casements, Fixed Sash, Factory Primed	82.20	7.71
08 51 23 Steel Windows (08 51)					
Note: All sashes are factory primed. See CSI section 08 80 00 00-0000 for glazing.					
08 51 23 00-0001 Steel Windows (08 51 23)					
08 51 23 00-0002 Industrial (08 51 23 00-0001)					
08 51 23 00-0003	SF		Industrial Steel Window With Horizontal Pivot Sash	69.64	7.71
08 51 23 00-0004	SF		Industrial Steel Window, With Fixed Sash	62.68	7.71
08 51 23 00-0005	SF		Industrial Steel Window, With Operable Security Sash	98.14	7.71
08 51 23 00-0006	SF		Industrial Steel Window, With Fixed Security Sash	84.24	7.71
08 51 23 00-0007 Projected Sash (08 51 23 00-0001)					
08 51 23 00-0008	SF		Commercial Projected Sash Window - 40% Vented Steel.....	77.44	7.71
08 51 23 00-0009	SF		Intermediate Projected Sash Window - 40% Vented Steel	85.08	7.71
08 51 23 00-0010 Other Type Sash (08 51 23 00-0001)					
08 51 23 00-0011	SF		Double Hung Steel Window Sash.....	98.58	7.71
08 51 23 00-0012	SF		Steel Picture Window Sash	44.15	7.71
08 51 23 00-0013	SF		Fire Rated Double Hung Steel Window Sash	101.60	9.63
08 51 23 00-0014	SF		Single Hung Steel Window Sash	70.67	7.71
08 51 23 00-0015 Casements (08 51 23 00-0001)					
08 51 23 00-0016	SF		Steel Window Casements, 100% Vented Operable, Factory Primed	88.70	3.85
08 51 23 00-0017	SF		Steel Window Casements, 50% Vented Operable, Factory Primed	77.14	3.85
08 51 23 00-0018	SF		Steel Window Casements, Fixed Sash, Factory Primed.....	55.33	5.77
08 51 23 00-0019 Mullions (08 51 23 00-0001)					
08 51 23 00-0020	LF		Open Faced Steel Mullion	33.59	5.77
08 51 23 00-0021	LF		Covered Steel Mullions.....	55.45	5.77
08 51 23 00-0022 Removal And Reinstallation Of Metal Window And Frame (08 51 23)					
Note: Steel or aluminum frame. Includes storage, cleaning and supply materials, caulk and sealants.					
08 51 23 00-0023	SF		Removal And Reinstallation Of Metal Window And Frame	19.92	
08 51 66 Metal Window Screens (08 51)					
08 51 66 00-0001 Aluminum Window Insect Screens (08 51 66)					
Note: Includes aluminum frames.					
08 51 66 00-0002	SF		Up To 10 SF Area Including Aluminum Frame, Insect Screens For Aluminum Windows	17.89	1.92
08 51 66 00-0003	SF		>10 SF Area Including Aluminum Frame, Insect Screens For Aluminum Windows.....	12.11	1.54
08 51 66 00-0004	SF		Repair Aluminum Mesh Screen Window	9.55	
08 51 69 Metal Storm Windows (08 51)					
08 51 69 00-0001 Storm Windows (08 51 69)					
08 51 69 00-0002	SF		Double Hung, Aluminum, Combination Storm And Screen.....	50.20	3.85

08 52 Wood Windows (08 50)

08 52 11 Wood Windows (08 52)

08 Openings**08 50 Windows****08 52 Wood Windows**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 52 11 00-0001	Sash-Only Replacement Kits For Double Hung Wood Windows (08 52 11)	
	Note: Includes demo of the existing sashes and jamb liners. Includes two sashes, jamb liners, insulated glass and all hardware needed for installation. Includes primed pine wood interior and exterior. Excludes window frame, trim, insect screens and grilles.	
08 52 11 00-0002	30" Height, Sash-Only Replacement Kits For Double Hung Wood Windows	
	(08 52 11 00-0001)	
08 52 11 00-0003	EA 20" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows.....	360.07
	For Low-E Insulated Glass, Add	28.77
	For Aluminum Clad Exterior, Add	30.82
08 52 11 00-0004	EA 24" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows.....	382.05
	For Low-E Insulated Glass, Add	30.84
	For Aluminum Clad Exterior, Add	33.04
08 52 11 00-0005	EA 28" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows.....	405.50
	For Low-E Insulated Glass, Add	33.12
	For Aluminum Clad Exterior, Add	35.48
08 52 11 00-0006	EA 30" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows.....	417.96
	For Low-E Insulated Glass, Add	34.36
	For Aluminum Clad Exterior, Add	36.81
08 52 11 00-0007	EA 32" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows.....	428.94
	For Low-E Insulated Glass, Add	35.39
	For Aluminum Clad Exterior, Add	37.92
08 52 11 00-0008	EA 34" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows.....	442.90
	For Low-E Insulated Glass, Add	36.84
	For Aluminum Clad Exterior, Add	39.47
08 52 11 00-0009	EA 36" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows.....	449.50
	For Low-E Insulated Glass, Add	37.26
	For Aluminum Clad Exterior, Add	39.92
08 52 11 00-0010	EA 40" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows.....	477.34
	For Low-E Insulated Glass, Add	40.15
	For Aluminum Clad Exterior, Add	43.02
08 52 11 00-0011	EA 44" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows.....	500.78
	For Low-E Insulated Glass, Add	42.43
	For Aluminum Clad Exterior, Add	45.46
08 52 11 00-0012	34" Height, Sash-Only Replacement Kits For Double Hung Wood Windows	
	(08 52 11 00-0001)	
08 52 11 00-0013	EA 20" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	382.05
	For Low-E Insulated Glass, Add	30.84
	For Aluminum Clad Exterior, Add	33.04
08 52 11 00-0014	EA 24" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	405.50
	For Low-E Insulated Glass, Add	33.12
	For Aluminum Clad Exterior, Add	35.48
08 52 11 00-0015	EA 28" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	425.35
	For Low-E Insulated Glass, Add	35.39
	For Aluminum Clad Exterior, Add	37.92
08 52 11 00-0016	EA 30" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	442.90
	For Low-E Insulated Glass, Add	36.84
	For Aluminum Clad Exterior, Add	39.47
08 52 11 00-0017	EA 32" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	453.88
	For Low-E Insulated Glass, Add	37.88
	For Aluminum Clad Exterior, Add	40.58
08 52 11 00-0018	EA 34" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	466.34
	For Low-E Insulated Glass, Add	39.12
	For Aluminum Clad Exterior, Add	41.91
08 52 11 00-0019	EA 36" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	477.34
	For Low-E Insulated Glass, Add	40.15
	For Aluminum Clad Exterior, Add	43.02
08 52 11 00-0020	EA 40" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	500.78
	For Low-E Insulated Glass, Add	42.43
	For Aluminum Clad Exterior, Add	45.46
08 52 11 00-0021	EA 44" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	524.24
	For Low-E Insulated Glass, Add	44.71
	For Aluminum Clad Exterior, Add	47.90
08 52 11 00-0022	36" Height, Sash-Only Replacement Kits For Double Hung Wood Windows	
	(08 52 11 00-0001)	
08 52 11 00-0023	EA 20" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows.....	392.72
	For Low-E Insulated Glass, Add	32.08
	For Aluminum Clad Exterior, Add	34.37
08 52 11 00-0024	EA 24" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows.....	416.16
	For Low-E Insulated Glass, Add	34.36
	For Aluminum Clad Exterior, Add	36.81
08 52 11 00-0025	EA 28" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows.....	441.10
	For Low-E Insulated Glass, Add	36.84
	For Aluminum Clad Exterior, Add	39.47
08 52 11 00-0026	EA 30" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows.....	452.08
	For Low-E Insulated Glass, Add	37.88
	For Aluminum Clad Exterior, Add	40.58
08 52 11 00-0027	EA 32" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows.....	464.55
	For Low-E Insulated Glass, Add	39.12
	For Aluminum Clad Exterior, Add	41.91
08 52 11 00-0028	EA 34" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows.....	475.54
	For Low-E Insulated Glass, Add	40.15
	For Aluminum Clad Exterior, Add	43.02
08 52 11 00-0029	EA 36" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows.....	488.00
	For Low-E Insulated Glass, Add	41.40
	For Aluminum Clad Exterior, Add	44.35

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
08 52 11 00-0030	EA		40" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	509.97	
			For Low-E Insulated Glass, Add	43.46	
			For Aluminum Clad Exterior, Add	46.57	
08 52 11 00-0031	EA		44" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	533.43	
			For Low-E Insulated Glass, Add	45.74	
			For Aluminum Clad Exterior, Add	49.01	
08 52 11 00-0032 38" Height, Sash-Only Replacement Kits For Double Hung Wood Windows					
			(08 52 11 00-0001)		
08 52 11 00-0033	EA		20" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	407.29	
			For Low-E Insulated Glass, Add	33.12	
			For Aluminum Clad Exterior, Add	35.48	
08 52 11 00-0034	EA		24" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	430.75	
			For Low-E Insulated Glass, Add	35.39	
			For Aluminum Clad Exterior, Add	37.92	
08 52 11 00-0035	EA		28" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	455.68	
			For Low-E Insulated Glass, Add	37.88	
			For Aluminum Clad Exterior, Add	40.58	
08 52 11 00-0036	EA		30" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	468.14	
			For Low-E Insulated Glass, Add	39.12	
			For Aluminum Clad Exterior, Add	41.91	
08 52 11 00-0037	EA		32" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	479.13	
			For Low-E Insulated Glass, Add	40.15	
			For Aluminum Clad Exterior, Add	43.02	
08 52 11 00-0038	EA		34" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	491.60	
			For Low-E Insulated Glass, Add	41.40	
			For Aluminum Clad Exterior, Add	44.35	
08 52 11 00-0039	EA		36" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	502.58	
			For Low-E Insulated Glass, Add	42.43	
			For Aluminum Clad Exterior, Add	45.46	
08 52 11 00-0040	EA		40" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	526.04	
			For Low-E Insulated Glass, Add	44.71	
			For Aluminum Clad Exterior, Add	47.90	
08 52 11 00-0041	EA		44" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	549.48	
			For Low-E Insulated Glass, Add	46.98	
			For Aluminum Clad Exterior, Add	50.34	
08 52 11 00-0042 46" Height, Sash-Only Replacement Kits For Double Hung Wood Windows					
			(08 52 11 00-0001)		
08 52 11 00-0043	EA		20" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	453.88	
			For Low-E Insulated Glass, Add	37.88	
			For Aluminum Clad Exterior, Add	40.58	
08 52 11 00-0044	EA		24" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	477.34	
			For Low-E Insulated Glass, Add	40.15	
			For Aluminum Clad Exterior, Add	43.02	
08 52 11 00-0045	EA		28" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	500.78	
			For Low-E Insulated Glass, Add	42.43	
			For Aluminum Clad Exterior, Add	45.46	
08 52 11 00-0046	EA		30" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	511.78	
			For Low-E Insulated Glass, Add	43.46	
			For Aluminum Clad Exterior, Add	46.57	
08 52 11 00-0047	EA		32" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	524.24	
			For Low-E Insulated Glass, Add	44.71	
			For Aluminum Clad Exterior, Add	47.90	
08 52 11 00-0048	EA		34" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	535.22	
			For Low-E Insulated Glass, Add	45.74	
			For Aluminum Clad Exterior, Add	49.01	
08 52 11 00-0049	EA		36" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	547.69	
			For Low-E Insulated Glass, Add	46.98	
			For Aluminum Clad Exterior, Add	50.34	
08 52 11 00-0050	EA		40" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	571.13	
			For Low-E Insulated Glass, Add	49.26	
			For Aluminum Clad Exterior, Add	52.78	
08 52 11 00-0051	EA		44" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	596.07	
			For Low-E Insulated Glass, Add	51.74	
			For Aluminum Clad Exterior, Add	55.44	
08 52 11 00-0052 48" Height, Sash-Only Replacement Kits For Double Hung Wood Windows					
			(08 52 11 00-0001)		
08 52 11 00-0053	EA		20" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	464.55	
			For Low-E Insulated Glass, Add	39.12	
			For Aluminum Clad Exterior, Add	41.91	
08 52 11 00-0054	EA		24" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	488.00	
			For Low-E Insulated Glass, Add	41.40	
			For Aluminum Clad Exterior, Add	44.35	
08 52 11 00-0055	EA		28" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	509.97	
			For Low-E Insulated Glass, Add	43.46	
			For Aluminum Clad Exterior, Add	46.57	
08 52 11 00-0056	EA		30" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	522.44	
			For Low-E Insulated Glass, Add	44.71	
			For Aluminum Clad Exterior, Add	47.90	
08 52 11 00-0057	EA		32" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	533.43	
			For Low-E Insulated Glass, Add	45.74	
			For Aluminum Clad Exterior, Add	49.01	
08 52 11 00-0058	EA		34" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	545.89	
			For Low-E Insulated Glass, Add	46.98	
			For Aluminum Clad Exterior, Add	50.34	

08 Openings**08 50 Windows****08 52 Wood Windows**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 52 11 00-0059	EA	36" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	556.87	
		<i>For Low-E Insulated Glass, Add</i>	48.02	
		<i>For Aluminum Clad Exterior, Add</i>	51.45	
08 52 11 00-0060	EA	40" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	581.80	
		<i>For Low-E Insulated Glass, Add</i>	50.50	
		<i>For Aluminum Clad Exterior, Add</i>	54.11	
08 52 11 00-0061	EA	44" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	605.27	
		<i>For Low-E Insulated Glass, Add</i>	52.78	
		<i>For Aluminum Clad Exterior, Add</i>	56.55	

08 52 11 00-0062 50" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

(08 52 11 00-0001)

08 52 11 00-0063	EA	20" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	479.13	
		<i>For Low-E Insulated Glass, Add</i>	40.15	
		<i>For Aluminum Clad Exterior, Add</i>	43.02	
08 52 11 00-0064	EA	24" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	502.58	
		<i>For Low-E Insulated Glass, Add</i>	42.43	
		<i>For Aluminum Clad Exterior, Add</i>	45.46	
08 52 11 00-0065	EA	28" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	526.04	
		<i>For Low-E Insulated Glass, Add</i>	44.71	
		<i>For Aluminum Clad Exterior, Add</i>	47.90	
08 52 11 00-0066	EA	30" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	537.02	
		<i>For Low-E Insulated Glass, Add</i>	45.74	
		<i>For Aluminum Clad Exterior, Add</i>	49.01	
08 52 11 00-0067	EA	32" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	549.48	
		<i>For Low-E Insulated Glass, Add</i>	46.98	
		<i>For Aluminum Clad Exterior, Add</i>	50.34	
08 52 11 00-0068	EA	34" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	560.47	
		<i>For Low-E Insulated Glass, Add</i>	48.02	
		<i>For Aluminum Clad Exterior, Add</i>	51.45	
08 52 11 00-0069	EA	36" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	572.93	
		<i>For Low-E Insulated Glass, Add</i>	49.26	
		<i>For Aluminum Clad Exterior, Add</i>	52.78	
08 52 11 00-0070	EA	40" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	597.87	
		<i>For Low-E Insulated Glass, Add</i>	51.74	
		<i>For Aluminum Clad Exterior, Add</i>	55.44	
08 52 11 00-0071	EA	44" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	621.32	
		<i>For Low-E Insulated Glass, Add</i>	54.02	
		<i>For Aluminum Clad Exterior, Add</i>	57.88	

08 52 11 00-0072 54" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

(08 52 11 00-0001)

08 52 11 00-0073	EA	20" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	502.58	
		<i>For Low-E Insulated Glass, Add</i>	42.43	
		<i>For Aluminum Clad Exterior, Add</i>	45.46	
08 52 11 00-0074	EA	24" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	526.04	
		<i>For Low-E Insulated Glass, Add</i>	44.71	
		<i>For Aluminum Clad Exterior, Add</i>	47.90	
08 52 11 00-0075	EA	28" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	549.48	
		<i>For Low-E Insulated Glass, Add</i>	46.98	
		<i>For Aluminum Clad Exterior, Add</i>	50.34	
08 52 11 00-0076	EA	30" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	560.47	
		<i>For Low-E Insulated Glass, Add</i>	48.02	
		<i>For Aluminum Clad Exterior, Add</i>	51.45	
08 52 11 00-0077	EA	32" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	572.93	
		<i>For Low-E Insulated Glass, Add</i>	49.26	
		<i>For Aluminum Clad Exterior, Add</i>	52.78	
08 52 11 00-0078	EA	34" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	585.40	
		<i>For Low-E Insulated Glass, Add</i>	50.50	
		<i>For Aluminum Clad Exterior, Add</i>	54.11	
08 52 11 00-0079	EA	36" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	597.87	
		<i>For Low-E Insulated Glass, Add</i>	51.74	
		<i>For Aluminum Clad Exterior, Add</i>	55.44	
08 52 11 00-0080	EA	40" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	621.32	
		<i>For Low-E Insulated Glass, Add</i>	54.02	
		<i>For Aluminum Clad Exterior, Add</i>	57.88	
08 52 11 00-0081	EA	44" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	644.77	
		<i>For Low-E Insulated Glass, Add</i>	56.30	
		<i>For Aluminum Clad Exterior, Add</i>	60.32	

08 52 11 00-0082 58" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

(08 52 11 00-0001)

08 52 11 00-0083	EA	20" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	524.24	
		<i>For Low-E Insulated Glass, Add</i>	44.71	
		<i>For Aluminum Clad Exterior, Add</i>	47.90	
08 52 11 00-0084	EA	24" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	547.69	
		<i>For Low-E Insulated Glass, Add</i>	46.98	
		<i>For Aluminum Clad Exterior, Add</i>	50.34	
08 52 11 00-0085	EA	28" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	571.13	
		<i>For Low-E Insulated Glass, Add</i>	49.26	
		<i>For Aluminum Clad Exterior, Add</i>	52.78	
08 52 11 00-0086	EA	30" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	583.60	
		<i>For Low-E Insulated Glass, Add</i>	50.50	
		<i>For Aluminum Clad Exterior, Add</i>	54.11	
08 52 11 00-0087	EA	32" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	596.07	
		<i>For Low-E Insulated Glass, Add</i>	51.74	
		<i>For Aluminum Clad Exterior, Add</i>	55.44	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
08 52 11 00-0088	EA		34" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	607.06	
			For Low-E Insulated Glass, Add	52.78	
			For Aluminum Clad Exterior, Add	56.55	
08 52 11 00-0089	EA		36" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	619.53	
			For Low-E Insulated Glass, Add	54.02	
			For Aluminum Clad Exterior, Add	57.88	
08 52 11 00-0090	EA		40" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	642.97	
			For Low-E Insulated Glass, Add	56.30	
			For Aluminum Clad Exterior, Add	60.32	
08 52 11 00-0091	EA		44" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	664.95	
			For Low-E Insulated Glass, Add	58.37	
			For Aluminum Clad Exterior, Add	62.54	
08 52 11 00-0092 60" Height, Sash-Only Replacement Kits For Double Hung Wood Windows					
(08 52 11 00-0001)					
08 52 11 00-0093	EA		20" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	533.43	
			For Low-E Insulated Glass, Add	45.74	
			For Aluminum Clad Exterior, Add	49.01	
08 52 11 00-0094	EA		24" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	556.87	
			For Low-E Insulated Glass, Add	48.02	
			For Aluminum Clad Exterior, Add	51.45	
08 52 11 00-0095	EA		28" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	581.80	
			For Low-E Insulated Glass, Add	50.50	
			For Aluminum Clad Exterior, Add	54.11	
08 52 11 00-0096	EA		30" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	594.27	
			For Low-E Insulated Glass, Add	51.74	
			For Aluminum Clad Exterior, Add	55.44	
08 52 11 00-0097	EA		32" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	605.27	
			For Low-E Insulated Glass, Add	52.78	
			For Aluminum Clad Exterior, Add	56.55	
08 52 11 00-0098	EA		34" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	617.73	
			For Low-E Insulated Glass, Add	54.02	
			For Aluminum Clad Exterior, Add	57.88	
08 52 11 00-0099	EA		36" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	628.71	
			For Low-E Insulated Glass, Add	55.06	
			For Aluminum Clad Exterior, Add	58.99	
08 52 11 00-0100	EA		40" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	652.16	
			For Low-E Insulated Glass, Add	57.33	
			For Aluminum Clad Exterior, Add	61.43	
08 52 11 00-0101	EA		44" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	675.62	
			For Low-E Insulated Glass, Add	59.61	
			For Aluminum Clad Exterior, Add	63.87	
08 52 11 00-0102 62" Height, Sash-Only Replacement Kits For Double Hung Wood Windows					
(08 52 11 00-0001)					
08 52 11 00-0103	EA		20" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	549.48	
			For Low-E Insulated Glass, Add	46.98	
			For Aluminum Clad Exterior, Add	50.34	
08 52 11 00-0104	EA		24" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	572.93	
			For Low-E Insulated Glass, Add	49.26	
			For Aluminum Clad Exterior, Add	52.78	
08 52 11 00-0105	EA		28" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	597.87	
			For Low-E Insulated Glass, Add	51.74	
			For Aluminum Clad Exterior, Add	55.44	
08 52 11 00-0106	EA		30" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	608.86	
			For Low-E Insulated Glass, Add	52.78	
			For Aluminum Clad Exterior, Add	56.55	
08 52 11 00-0107	EA		32" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	621.32	
			For Low-E Insulated Glass, Add	54.02	
			For Aluminum Clad Exterior, Add	57.88	
08 52 11 00-0108	EA		34" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	632.31	
			For Low-E Insulated Glass, Add	55.06	
			For Aluminum Clad Exterior, Add	58.99	
08 52 11 00-0109	EA		36" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	644.77	
			For Low-E Insulated Glass, Add	56.30	
			For Aluminum Clad Exterior, Add	60.32	
08 52 11 00-0110	EA		40" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	666.75	
			For Low-E Insulated Glass, Add	58.37	
			For Aluminum Clad Exterior, Add	62.54	
08 52 11 00-0111	EA		44" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	690.19	
			For Low-E Insulated Glass, Add	60.64	
			For Aluminum Clad Exterior, Add	64.97	
08 52 11 00-0112 66" Height, Sash-Only Replacement Kits For Double Hung Wood Windows					
(08 52 11 00-0001)					
08 52 11 00-0113	EA		20" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	572.93	
			For Low-E Insulated Glass, Add	49.26	
			For Aluminum Clad Exterior, Add	52.78	
08 52 11 00-0114	EA		24" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	597.87	
			For Low-E Insulated Glass, Add	51.74	
			For Aluminum Clad Exterior, Add	55.44	
08 52 11 00-0115	EA		28" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	621.32	
			For Low-E Insulated Glass, Add	54.02	
			For Aluminum Clad Exterior, Add	57.88	
08 52 11 00-0116	EA		30" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	632.31	
			For Low-E Insulated Glass, Add	55.06	
			For Aluminum Clad Exterior, Add	58.99	

08 Openings**08 50 Windows****08 52 Wood Windows**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 52 11 00-0117	EA	32" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows.....	644.77	
		<i>For Low-E Insulated Glass, Add</i>	56.30	
		<i>For Aluminum Clad Exterior, Add</i>	60.32	
08 52 11 00-0118	EA	34" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows.....	655.75	
		<i>For Low-E Insulated Glass, Add</i>	57.33	
		<i>For Aluminum Clad Exterior, Add</i>	61.43	
08 52 11 00-0119	EA	36" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows.....	666.75	
		<i>For Low-E Insulated Glass, Add</i>	58.37	
		<i>For Aluminum Clad Exterior, Add</i>	62.54	
08 52 11 00-0120	EA	40" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows.....	690.19	
		<i>For Low-E Insulated Glass, Add</i>	60.64	
		<i>For Aluminum Clad Exterior, Add</i>	64.97	
08 52 11 00-0121	EA	44" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows.....	713.65	
		<i>For Low-E Insulated Glass, Add</i>	62.92	
		<i>For Aluminum Clad Exterior, Add</i>	67.41	

08 52 11 00-0122 70" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

(08 52 11 00-0001)

08 52 11 00-0123	EA	20" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows.....	596.07	
		<i>For Low-E Insulated Glass, Add</i>	51.74	
		<i>For Aluminum Clad Exterior, Add</i>	55.44	
08 52 11 00-0124	EA	24" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows.....	619.53	
		<i>For Low-E Insulated Glass, Add</i>	54.02	
		<i>For Aluminum Clad Exterior, Add</i>	57.88	
08 52 11 00-0125	EA	28" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows.....	642.97	
		<i>For Low-E Insulated Glass, Add</i>	56.30	
		<i>For Aluminum Clad Exterior, Add</i>	60.32	
08 52 11 00-0126	EA	30" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows.....	653.96	
		<i>For Low-E Insulated Glass, Add</i>	57.33	
		<i>For Aluminum Clad Exterior, Add</i>	61.43	
08 52 11 00-0127	EA	32" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows.....	664.95	
		<i>For Low-E Insulated Glass, Add</i>	58.37	
		<i>For Aluminum Clad Exterior, Add</i>	62.54	
08 52 11 00-0128	EA	34" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows.....	681.80	
		<i>For Low-E Insulated Glass, Add</i>	60.22	
		<i>For Aluminum Clad Exterior, Add</i>	64.52	
08 52 11 00-0129	EA	36" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows.....	689.95	
		<i>For Low-E Insulated Glass, Add</i>	60.86	
		<i>For Aluminum Clad Exterior, Add</i>	65.21	
08 52 11 00-0130	EA	40" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows.....	711.85	
		<i>For Low-E Insulated Glass, Add</i>	62.92	
		<i>For Aluminum Clad Exterior, Add</i>	67.41	
08 52 11 00-0131	EA	44" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows.....	736.78	
		<i>For Low-E Insulated Glass, Add</i>	65.40	
		<i>For Aluminum Clad Exterior, Add</i>	70.08	

08 52 11 00-0132 74" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

(08 52 11 00-0001)

08 52 11 00-0133	EA	20" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows.....	621.32	
		<i>For Low-E Insulated Glass, Add</i>	54.02	
		<i>For Aluminum Clad Exterior, Add</i>	57.88	
08 52 11 00-0134	EA	24" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows.....	644.77	
		<i>For Low-E Insulated Glass, Add</i>	56.30	
		<i>For Aluminum Clad Exterior, Add</i>	60.32	
08 52 11 00-0135	EA	28" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows.....	666.75	
		<i>For Low-E Insulated Glass, Add</i>	58.37	
		<i>For Aluminum Clad Exterior, Add</i>	62.54	
08 52 11 00-0136	EA	30" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows.....	679.21	
		<i>For Low-E Insulated Glass, Add</i>	59.61	
		<i>For Aluminum Clad Exterior, Add</i>	63.87	
08 52 11 00-0137	EA	32" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows.....	690.19	
		<i>For Low-E Insulated Glass, Add</i>	60.64	
		<i>For Aluminum Clad Exterior, Add</i>	64.97	
08 52 11 00-0138	EA	34" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows.....	702.66	
		<i>For Low-E Insulated Glass, Add</i>	61.88	
		<i>For Aluminum Clad Exterior, Add</i>	66.30	
08 52 11 00-0139	EA	36" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows.....	713.65	
		<i>For Low-E Insulated Glass, Add</i>	62.92	
		<i>For Aluminum Clad Exterior, Add</i>	67.41	
08 52 11 00-0140	EA	40" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows.....	738.59	
		<i>For Low-E Insulated Glass, Add</i>	65.40	
		<i>For Aluminum Clad Exterior, Add</i>	70.08	
08 52 11 00-0141	EA	44" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows.....	762.03	
		<i>For Low-E Insulated Glass, Add</i>	67.68	
		<i>For Aluminum Clad Exterior, Add</i>	72.51	

08 52 11 00-0142 78" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

(08 52 11 00-0001)

08 52 11 00-0143	EA	20" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows.....	651.97	
		<i>For Low-E Insulated Glass, Add</i>	56.30	
		<i>For Aluminum Clad Exterior, Add</i>	60.32	
08 52 11 00-0144	EA	24" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows.....	673.93	
		<i>For Low-E Insulated Glass, Add</i>	58.37	
		<i>For Aluminum Clad Exterior, Add</i>	62.54	
08 52 11 00-0145	EA	28" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows.....	697.38	
		<i>For Low-E Insulated Glass, Add</i>	60.64	
		<i>For Aluminum Clad Exterior, Add</i>	64.97	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 11 00-0146	EA		30" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	709.84 61.88 66.30	
08 52 11 00-0147	EA		32" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	720.85 62.92 67.41	
08 52 11 00-0148	EA		34" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	733.31 64.16 68.75	
08 52 11 00-0149	EA		36" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	745.77 65.40 70.08	
08 52 11 00-0150	EA		40" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	769.22 67.68 72.51	
08 52 11 00-0151	EA		44" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	792.67 69.96 74.95	
08 52 11 00-0152			Commercial And Institutional Heavy Double Hung Windows (08 52 11) Note: With true divided lites. Performance grade DP 40 in NWWDA I.S. 2-93. Includes complete unit with hardware, blocking and accessories, glazing, caulking, prepare opening, anchors, testing and certifications. Excludes painting.		
08 52 11 00-0153	SF		Up To 21 SF Double Hung Wood Window With True Divided Lite <i>For Insulating Glass, Add</i>	254.89 18.94	16.05
08 52 11 00-0154	SF		21 To 40 SF Double Hung Wood Window With True Divided Lite <i>For Insulating Glass, Add</i>	235.15 16.96	17.85
08 52 11 00-0155	SF		40 SF And Over Double Hung Wood Window With True Divided Lite <i>For Insulating Glass, Add</i>	215.67 14.92	20.03
08 52 11 00-0156			Architectural And Historic Reproduction Wood Windows (08 52 11) Note: Fixed casement, awning, and double hung. With true divided lites. Casement performance grade DP 40; awning performance grade DP 25; double hung performance grade DP 30. Includes complete unit with hardware, blocking and accessories, glazing, caulking, prepare opening, anchors, testing and certifications. Excludes painting.		
08 52 11 00-0157	SF		Up To 21 SF Architectural And Historic Reproduction Wood Window <i>For Insulating Glass, Add</i>	278.40 20.94	16.04
08 52 11 00-0158	SF		21 To 40 SF Architectural And Historic Reproduction Wood Window <i>For Insulating Glass, Add</i>	247.85 18.04	17.84
08 52 11 00-0159	SF		40 SF And Over Architectural And Historic Reproduction Wood Window <i>For Insulating Glass, Add</i>	223.12 15.56	20.02
08 52 11 00-0160			Removal And Reinstallation Of Wood Window And Frame (08 52 11) Note: Includes storage, cleaning and supply materials.		
08 52 11 00-0161	SF		Removal And Reinstallation Of Wood Windows And Frames.....	31.80	
08 52 16			Plastic-Clad Wood Windows (08 52)		
08 52 16 00-0001			Double Hung Wood Clad Windows (08 52 16) Note: Double hung windows feature two movable sashes that operate vertically and open independently.		
08 52 16 00-0002			Double Hung Wood Clad Windows (Andersen 200 TW Series) (08 52 16 00-0001) Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0003			35-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) (08 52 16 00-0002)		
08 52 16 00-0004	EA		23-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	408.13 34.80 58.00	59.05
08 52 16 00-0005	EA		27-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	432.07 37.06 61.76	61.63
08 52 16 00-0006	EA		31-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	454.45 39.13 65.21	64.19
08 52 16 00-0007	EA		35-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	476.82 41.20 68.66	66.76
08 52 16 00-0008			41-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) (08 52 16 00-0002)		
08 52 16 00-0009	EA		23-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	442.48 38.00 63.33	62.91
08 52 16 00-0010	EA		27-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	466.42 40.26 67.09	65.48
08 52 16 00-0011	EA		31-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	488.81 42.33 70.54	68.05
08 52 16 00-0012	EA		35-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	511.18 44.39 73.99	70.61

08 Openings**08 50 Windows****08 52 Wood Windows**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 52 16 00-0013	47-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) (08 52 16 00-0002)		
08 52 16 00-0014	EA 23-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	476.82	66.76
	For Low-E Insulated Glass, Add	41.20	
	For Tempered Clear Insulated Glass, Add	68.66	
08 52 16 00-0015	EA 27-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	499.21	69.33
	For Low-E Insulated Glass, Add	43.27	
	For Tempered Clear Insulated Glass, Add	72.11	
08 52 16 00-0016	EA 31-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	523.15	71.90
	For Low-E Insulated Glass, Add	45.52	
	For Tempered Clear Insulated Glass, Add	75.87	
08 52 16 00-0017	EA 35-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	545.53	74.47
	For Low-E Insulated Glass, Add	47.59	
	For Tempered Clear Insulated Glass, Add	79.32	
08 52 16 00-0018	53-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) (08 52 16 00-0002)		
08 52 16 00-0019	EA 23-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	511.18	70.61
	For Low-E Insulated Glass, Add	44.39	
	For Tempered Clear Insulated Glass, Add	73.99	
08 52 16 00-0020	EA 27-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	533.57	73.18
	For Low-E Insulated Glass, Add	46.46	
	For Tempered Clear Insulated Glass, Add	77.44	
08 52 16 00-0021	EA 31-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	555.94	75.74
	For Low-E Insulated Glass, Add	48.53	
	For Tempered Clear Insulated Glass, Add	80.89	
08 52 16 00-0022	EA 35-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	579.88	78.32
	For Low-E Insulated Glass, Add	50.79	
	For Tempered Clear Insulated Glass, Add	84.65	
08 52 16 00-0023	56-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) (08 52 16 00-0002)		
08 52 16 00-0024	EA 19-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	505.19	70.61
	For Low-E Insulated Glass, Add	43.83	
	For Tempered Clear Insulated Glass, Add	73.05	
08 52 16 00-0025	EA 23-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	527.57	72.53
	For Low-E Insulated Glass, Add	45.90	
	For Tempered Clear Insulated Glass, Add	76.50	
08 52 16 00-0026	EA 27-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	551.52	75.74
	For Low-E Insulated Glass, Add	48.16	
	For Tempered Clear Insulated Glass, Add	80.26	
08 52 16 00-0027	EA 31-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	573.90	78.32
	For Low-E Insulated Glass, Add	50.23	
	For Tempered Clear Insulated Glass, Add	83.71	
08 52 16 00-0028	EA 35-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	596.27	80.88
	For Low-E Insulated Glass, Add	52.29	
	For Tempered Clear Insulated Glass, Add	87.16	
08 52 16 00-0029	EA 39-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	618.66	83.45
	For Low-E Insulated Glass, Add	54.36	
	For Tempered Clear Insulated Glass, Add	90.61	
08 52 16 00-0030	59-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) (08 52 16 00-0002)		
08 52 16 00-0031	EA 19-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	523.15	71.90
	For Low-E Insulated Glass, Add	45.52	
	For Tempered Clear Insulated Glass, Add	75.87	
08 52 16 00-0032	EA 23-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	545.53	74.47
	For Low-E Insulated Glass, Add	47.59	
	For Tempered Clear Insulated Glass, Add	79.32	
08 52 16 00-0033	EA 27-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	567.91	77.03
	For Low-E Insulated Glass, Add	49.66	
	For Tempered Clear Insulated Glass, Add	82.77	
08 52 16 00-0034	EA 31-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	590.29	79.60
	For Low-E Insulated Glass, Add	51.73	
	For Tempered Clear Insulated Glass, Add	86.22	
08 52 16 00-0035	EA 35-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	612.66	82.17
	For Low-E Insulated Glass, Add	53.80	
	For Tempered Clear Insulated Glass, Add	89.67	
08 52 16 00-0036	EA 39-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	636.61	84.74
	For Low-E Insulated Glass, Add	56.06	
	For Tempered Clear Insulated Glass, Add	93.43	
08 52 16 00-0037	65-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) (08 52 16 00-0002)		
08 52 16 00-0038	EA 23-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	579.88	78.32
	For Low-E Insulated Glass, Add	50.79	
	For Tempered Clear Insulated Glass, Add	84.65	
08 52 16 00-0039	EA 27-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	602.27	80.88
	For Low-E Insulated Glass, Add	52.86	
	For Tempered Clear Insulated Glass, Add	88.10	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0040	EA		31-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	624.64	83.45
			For Low-E Insulated Glass, Add	54.93	
			For Tempered Clear Insulated Glass, Add	91.55	
08 52 16 00-0041	EA		35-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	647.02	86.02
			For Low-E Insulated Glass, Add	57.00	
			For Tempered Clear Insulated Glass, Add	95.00	
08 52 16 00-0042			71-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) (08 52 16 00-0002)		
08 52 16 00-0043	EA		23-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	612.66	82.17
			For Low-E Insulated Glass, Add	53.80	
			For Tempered Clear Insulated Glass, Add	89.67	
08 52 16 00-0044	EA		27-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	636.61	84.74
			For Low-E Insulated Glass, Add	56.06	
			For Tempered Clear Insulated Glass, Add	93.43	
08 52 16 00-0045	EA		31-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	659.00	87.30
			For Low-E Insulated Glass, Add	58.13	
			For Tempered Clear Insulated Glass, Add	96.88	
08 52 16 00-0046	EA		35-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	681.38	89.87
			For Low-E Insulated Glass, Add	60.20	
			For Tempered Clear Insulated Glass, Add	100.33	
08 52 16 00-0047			Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0001)		
			Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0048			36-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0047)		
08 52 16 00-0049	EA		21-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	500.89	59.05
			For Tempered Low-E Insulated Glass, Add	76.81	
08 52 16 00-0050	EA		25-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	531.11	60.99
			For Tempered Low-E Insulated Glass, Add	81.83	
08 52 16 00-0051	EA		29-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	562.89	63.55
			For Tempered Low-E Insulated Glass, Add	87.16	
08 52 16 00-0052	EA		31-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	579.57	65.48
			For Tempered Low-E Insulated Glass, Add	89.98	
08 52 16 00-0053	EA		33-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	594.68	66.76
			For Tempered Low-E Insulated Glass, Add	92.49	
08 52 16 00-0054	EA		35-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	609.79	68.05
			For Tempered Low-E Insulated Glass, Add	95.00	
08 52 16 00-0055	EA		37-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	626.46	68.69
			For Tempered Low-E Insulated Glass, Add	97.82	
08 52 16 00-0056	EA		41-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	656.68	71.26
			For Tempered Low-E Insulated Glass, Add	102.83	
08 52 16 00-0057	EA		45-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	688.46	73.82
			For Tempered Low-E Insulated Glass, Add	108.16	
08 52 16 00-0058			40-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0047)		
08 52 16 00-0059	EA		21-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	531.11	61.63
			For Tempered Low-E Insulated Glass, Add	81.83	
08 52 16 00-0060	EA		25-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	562.89	63.55
			For Tempered Low-E Insulated Glass, Add	87.16	
08 52 16 00-0061	EA		29-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	594.68	66.12
			For Tempered Low-E Insulated Glass, Add	92.49	
08 52 16 00-0062	EA		31-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	609.79	68.05
			For Tempered Low-E Insulated Glass, Add	95.00	
08 52 16 00-0063	EA		33-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	626.46	69.33
			For Tempered Low-E Insulated Glass, Add	97.82	
08 52 16 00-0064	EA		35-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	641.57	70.61
			For Tempered Low-E Insulated Glass, Add	100.33	
08 52 16 00-0065	EA		37-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	656.68	71.26
			For Tempered Low-E Insulated Glass, Add	102.83	
08 52 16 00-0066	EA		41-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	688.46	73.82
			For Tempered Low-E Insulated Glass, Add	108.16	
08 52 16 00-0067	EA		45-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	720.25	76.39
			For Tempered Low-E Insulated Glass, Add	113.49	
08 52 16 00-0068			44-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0047)		
08 52 16 00-0069	EA		21-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	562.89	64.19
			For Tempered Low-E Insulated Glass, Add	87.16	
08 52 16 00-0070	EA		25-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	594.68	66.12
			For Tempered Low-E Insulated Glass, Add	92.49	
08 52 16 00-0071	EA		29-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	626.46	68.69
			For Tempered Low-E Insulated Glass, Add	97.82	
08 52 16 00-0072	EA		31-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	641.57	70.61
			For Tempered Low-E Insulated Glass, Add	100.33	
08 52 16 00-0073	EA		33-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	656.68	71.90
			For Tempered Low-E Insulated Glass, Add	102.83	
08 52 16 00-0074	EA		35-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	673.36	73.18
			For Tempered Low-E Insulated Glass, Add	105.66	

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 52 16 00-0075	EA	37-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	688.46	73.82
		<i>For Tempered Low-E Insulated Glass, Add</i>	108.16	
08 52 16 00-0076	EA	41-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	720.25	76.39
		<i>For Tempered Low-E Insulated Glass, Add</i>	113.49	
08 52 16 00-0077	EA	45-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	752.04	78.96
		<i>For Tempered Low-E Insulated Glass, Add</i>	118.82	

08 52 16 00-0078 48-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series)

(08 52 16 00-0047)

08 52 16 00-0079	EA	21-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	594.68	66.76
		<i>For Tempered Low-E Insulated Glass, Add</i>	92.49	
08 52 16 00-0080	EA	25-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	626.46	68.69
		<i>For Tempered Low-E Insulated Glass, Add</i>	97.82	
08 52 16 00-0081	EA	29-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	656.68	71.26
		<i>For Tempered Low-E Insulated Glass, Add</i>	102.83	
08 52 16 00-0082	EA	31-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	673.36	73.18
		<i>For Tempered Low-E Insulated Glass, Add</i>	105.66	
08 52 16 00-0083	EA	33-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	688.46	74.47
		<i>For Tempered Low-E Insulated Glass, Add</i>	108.16	
08 52 16 00-0084	EA	35-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	703.57	75.74
		<i>For Tempered Low-E Insulated Glass, Add</i>	110.67	
08 52 16 00-0085	EA	37-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	720.25	76.39
		<i>For Tempered Low-E Insulated Glass, Add</i>	113.49	
08 52 16 00-0086	EA	41-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	752.04	78.96
		<i>For Tempered Low-E Insulated Glass, Add</i>	118.82	
08 52 16 00-0087	EA	45-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	782.26	81.53
		<i>For Tempered Low-E Insulated Glass, Add</i>	123.84	

08 52 16 00-0088 52-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series)

(08 52 16 00-0047)

08 52 16 00-0089	EA	21-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	626.46	69.33
		<i>For Tempered Low-E Insulated Glass, Add</i>	97.82	
08 52 16 00-0090	EA	25-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	656.68	71.26
		<i>For Tempered Low-E Insulated Glass, Add</i>	102.83	
08 52 16 00-0091	EA	29-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	688.46	73.82
		<i>For Tempered Low-E Insulated Glass, Add</i>	108.16	
08 52 16 00-0092	EA	31-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	703.57	75.74
		<i>For Tempered Low-E Insulated Glass, Add</i>	110.67	
08 52 16 00-0093	EA	33-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	720.25	77.03
		<i>For Tempered Low-E Insulated Glass, Add</i>	113.49	
08 52 16 00-0094	EA	35-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	735.36	78.32
		<i>For Tempered Low-E Insulated Glass, Add</i>	116.00	
08 52 16 00-0095	EA	37-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	752.04	78.96
		<i>For Tempered Low-E Insulated Glass, Add</i>	118.82	
08 52 16 00-0096	EA	41-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	782.26	81.53
		<i>For Tempered Low-E Insulated Glass, Add</i>	123.84	
08 52 16 00-0097	EA	45-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	814.04	84.09
		<i>For Tempered Low-E Insulated Glass, Add</i>	129.17	

08 52 16 00-0098 56-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series)

(08 52 16 00-0047)

08 52 16 00-0099	EA	21-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	656.68	71.90
		<i>For Tempered Low-E Insulated Glass, Add</i>	102.83	
08 52 16 00-0100	EA	25-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	688.46	73.82
		<i>For Tempered Low-E Insulated Glass, Add</i>	108.16	
08 52 16 00-0101	EA	29-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	720.25	76.39
		<i>For Tempered Low-E Insulated Glass, Add</i>	113.49	
08 52 16 00-0102	EA	31-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	735.36	78.32
		<i>For Tempered Low-E Insulated Glass, Add</i>	116.00	
08 52 16 00-0103	EA	33-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	752.04	79.60
		<i>For Tempered Low-E Insulated Glass, Add</i>	118.82	
08 52 16 00-0104	EA	35-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	767.14	80.88
		<i>For Tempered Low-E Insulated Glass, Add</i>	121.33	
08 52 16 00-0105	EA	37-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	782.26	81.53
		<i>For Tempered Low-E Insulated Glass, Add</i>	123.84	
08 52 16 00-0106	EA	41-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	814.04	84.09
		<i>For Tempered Low-E Insulated Glass, Add</i>	129.17	
08 52 16 00-0107	EA	45-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	845.82	86.66
		<i>For Tempered Low-E Insulated Glass, Add</i>	134.50	

08 52 16 00-0108 60-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series)

(08 52 16 00-0047)

08 52 16 00-0109	EA	21-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	688.46	74.47
		<i>For Tempered Low-E Insulated Glass, Add</i>	108.16	
08 52 16 00-0110	EA	25-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	720.25	76.39
		<i>For Tempered Low-E Insulated Glass, Add</i>	113.49	
08 52 16 00-0111	EA	29-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	752.04	78.96
		<i>For Tempered Low-E Insulated Glass, Add</i>	118.82	
08 52 16 00-0112	EA	31-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	767.14	80.88
		<i>For Tempered Low-E Insulated Glass, Add</i>	121.33	
08 52 16 00-0113	EA	33-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	782.26	82.17
		<i>For Tempered Low-E Insulated Glass, Add</i>	123.84	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0114	EA		35-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	798.93	83.45
			For Tempered Low-E Insulated Glass, Add	126.66	
08 52 16 00-0115	EA		37-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	814.04	84.09
			For Tempered Low-E Insulated Glass, Add	129.17	
08 52 16 00-0116	EA		41-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	845.82	86.66
			For Tempered Low-E Insulated Glass, Add	134.50	
08 52 16 00-0117	EA		45-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	876.04	89.22
			For Tempered Low-E Insulated Glass, Add	139.52	
08 52 16 00-0118 64-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0047)					
08 52 16 00-0119	EA		21-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	720.25	77.03
			For Tempered Low-E Insulated Glass, Add	113.49	
08 52 16 00-0120	EA		25-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	752.04	78.96
			For Tempered Low-E Insulated Glass, Add	118.82	
08 52 16 00-0121	EA		29-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	782.26	81.53
			For Tempered Low-E Insulated Glass, Add	123.84	
08 52 16 00-0122	EA		31-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	798.93	83.45
			For Tempered Low-E Insulated Glass, Add	126.66	
08 52 16 00-0123	EA		33-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	814.04	84.74
			For Tempered Low-E Insulated Glass, Add	129.17	
08 52 16 00-0124	EA		35-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	829.14	86.02
			For Tempered Low-E Insulated Glass, Add	131.68	
08 52 16 00-0125	EA		37-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	845.82	86.66
			For Tempered Low-E Insulated Glass, Add	134.50	
08 52 16 00-0126	EA		41-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	876.04	89.22
			For Tempered Low-E Insulated Glass, Add	139.52	
08 52 16 00-0127	EA		45-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	907.82	91.80
			For Tempered Low-E Insulated Glass, Add	144.85	
08 52 16 00-0128 68-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0047)					
08 52 16 00-0129	EA		21-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	752.04	79.60
			For Tempered Low-E Insulated Glass, Add	118.82	
08 52 16 00-0130	EA		25-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	782.26	81.53
			For Tempered Low-E Insulated Glass, Add	123.84	
08 52 16 00-0131	EA		29-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	814.04	84.09
			For Tempered Low-E Insulated Glass, Add	129.17	
08 52 16 00-0132	EA		31-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	829.14	86.02
			For Tempered Low-E Insulated Glass, Add	131.68	
08 52 16 00-0133	EA		33-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	845.82	87.30
			For Tempered Low-E Insulated Glass, Add	134.50	
08 52 16 00-0134	EA		35-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	860.93	88.59
			For Tempered Low-E Insulated Glass, Add	137.01	
08 52 16 00-0135	EA		37-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	876.04	89.22
			For Tempered Low-E Insulated Glass, Add	139.52	
08 52 16 00-0136	EA		41-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	907.82	91.80
			For Tempered Low-E Insulated Glass, Add	144.85	
08 52 16 00-0137	EA		45-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	939.61	94.37
			For Tempered Low-E Insulated Glass, Add	150.18	
08 52 16 00-0138 72-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0047)					
08 52 16 00-0139	EA		21-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	782.26	82.17
			For Tempered Low-E Insulated Glass, Add	123.84	
08 52 16 00-0140	EA		25-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	814.04	84.09
			For Tempered Low-E Insulated Glass, Add	129.17	
08 52 16 00-0141	EA		29-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	845.82	86.66
			For Tempered Low-E Insulated Glass, Add	134.50	
08 52 16 00-0142	EA		31-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	860.93	88.59
			For Tempered Low-E Insulated Glass, Add	137.01	
08 52 16 00-0143	EA		33-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	876.04	89.87
			For Tempered Low-E Insulated Glass, Add	139.52	
08 52 16 00-0144	EA		35-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	892.71	91.16
			For Tempered Low-E Insulated Glass, Add	142.34	
08 52 16 00-0145	EA		37-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	907.82	91.80
			For Tempered Low-E Insulated Glass, Add	144.85	
08 52 16 00-0146	EA		41-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	939.61	94.37
			For Tempered Low-E Insulated Glass, Add	150.18	
08 52 16 00-0147	EA		45-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	971.39	96.93
			For Tempered Low-E Insulated Glass, Add	155.51	
08 52 16 00-0148 76-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0047)					
08 52 16 00-0149	EA		21-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	814.04	84.74
			For Tempered Low-E Insulated Glass, Add	129.17	
08 52 16 00-0150	EA		25-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	845.82	86.66
			For Tempered Low-E Insulated Glass, Add	134.50	
08 52 16 00-0151	EA		29-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	876.04	89.22
			For Tempered Low-E Insulated Glass, Add	139.52	
08 52 16 00-0152	EA		31-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	892.71	91.16
			For Tempered Low-E Insulated Glass, Add	142.34	

08 Openings**08 50 Windows****08 52 Wood Windows**

		MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0153	EA	33-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)			.....	907.82	92.44
		For Tempered Low-E Insulated Glass, Add			.....	144.85	
08 52 16 00-0154	EA	35-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)			.....	924.50	93.72
		For Tempered Low-E Insulated Glass, Add			.....	147.67	
08 52 16 00-0155	EA	37-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)			.....	939.61	94.37
		For Tempered Low-E Insulated Glass, Add			.....	150.18	
08 52 16 00-0156	EA	41-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)			.....	971.39	96.93
		For Tempered Low-E Insulated Glass, Add			.....	155.51	
08 52 16 00-0157	EA	45-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)			.....	1,001.61	99.50
		For Tempered Low-E Insulated Glass, Add			.....	160.52	
08 52 16 00-0158 84-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0047)							
08 52 16 00-0159	EA	21-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)			.....	1,249.13	89.87
		For Tempered Low-E Insulated Glass, Add			.....	214.13	
08 52 16 00-0160	EA	25-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)			.....	1,293.45	91.80
		For Tempered Low-E Insulated Glass, Add			.....	221.97	
08 52 16 00-0161	EA	29-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)			.....	1,337.78	94.37
		For Tempered Low-E Insulated Glass, Add			.....	229.81	
08 52 16 00-0162	EA	31-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)			.....	1,359.16	96.29
		For Tempered Low-E Insulated Glass, Add			.....	233.57	
08 52 16 00-0163	EA	33-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)			.....	1,382.10	97.57
		For Tempered Low-E Insulated Glass, Add			.....	237.65	
08 52 16 00-0164	EA	35-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)			.....	1,403.49	98.86
		For Tempered Low-E Insulated Glass, Add			.....	241.41	
08 52 16 00-0165	EA	37-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)			.....	1,424.86	99.50
		For Tempered Low-E Insulated Glass, Add			.....	245.17	
08 52 16 00-0166	EA	41-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)			.....	1,469.18	102.07
		For Tempered Low-E Insulated Glass, Add			.....	253.01	
08 52 16 00-0167	EA	45-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)			.....	1,513.51	104.64
		For Tempered Low-E Insulated Glass, Add			.....	260.85	
08 52 16 00-0168 88-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0047)							
08 52 16 00-0169	EA	21-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)			.....	1,293.45	92.44
		For Tempered Low-E Insulated Glass, Add			.....	221.97	
08 52 16 00-0170	EA	25-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)			.....	1,337.78	94.37
		For Tempered Low-E Insulated Glass, Add			.....	229.81	
08 52 16 00-0171	EA	29-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)			.....	1,382.10	96.93
		For Tempered Low-E Insulated Glass, Add			.....	237.65	
08 52 16 00-0172	EA	31-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)			.....	1,403.49	98.86
		For Tempered Low-E Insulated Glass, Add			.....	241.41	
08 52 16 00-0173	EA	33-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)			.....	1,424.86	100.14
		For Tempered Low-E Insulated Glass, Add			.....	245.17	
08 52 16 00-0174	EA	35-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)			.....	1,447.81	101.43
		For Tempered Low-E Insulated Glass, Add			.....	249.25	
08 52 16 00-0175	EA	37-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)			.....	1,469.18	102.07
		For Tempered Low-E Insulated Glass, Add			.....	253.01	
08 52 16 00-0176	EA	41-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)			.....	1,513.51	104.64
		For Tempered Low-E Insulated Glass, Add			.....	260.85	
08 52 16 00-0177	EA	45-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)			.....	1,557.83	107.20
		For Tempered Low-E Insulated Glass, Add			.....	268.69	
08 52 16 00-0178 Casement Wood Clad Windows (08 52 16)							
Note: Casement windows are hinged on one side and swing inward or outward with a crank or push out operation.							
08 52 16 00-0179 Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0178)							
Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.							
08 52 16 00-0180 One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0179)							
08 52 16 00-0181 24-1/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0180)							
08 52 16 00-0182	EA	17" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)			.....	444.80	48.79
		For Tempered Clear Insulated Glass, Add			.....	69.70	
08 52 16 00-0183	EA	20-1/2" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)			.....	470.27	50.07
		For Tempered Clear Insulated Glass, Add			.....	74.03	
08 52 16 00-0184	EA	24-1/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)			.....	498.84	52.64
		For Tempered Clear Insulated Glass, Add			.....	78.71	
08 52 16 00-0185	EA	28-3/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)			.....	525.20	55.21
		For Tempered Clear Insulated Glass, Add			.....	82.96	
08 52 16 00-0186 28-3/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0180)							
08 52 16 00-0187	EA	17" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)			.....	476.97	51.36
		For Tempered Clear Insulated Glass, Add			.....	75.11	
08 52 16 00-0188	EA	20-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)			.....	502.44	52.64
		For Tempered Clear Insulated Glass, Add			.....	79.43	
08 52 16 00-0189	EA	24-1/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)			.....	530.99	55.21
		For Tempered Clear Insulated Glass, Add			.....	84.12	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0190	EA	28-3/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	545.39	57.78
		For Tempered Clear Insulated Glass, Add	85.97	
08 52 16 00-0191	EA	31-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	578.29	60.34
		For Tempered Clear Insulated Glass, Add	91.78	
08 52 16 00-0192 35-15/16" Height, One Operating Sash, Casement Wood Clad Windows				
(Andersen 200 Series) (08 52 16 00-0180)				
08 52 16 00-0193	EA	17" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	534.60	55.21
		For Tempered Clear Insulated Glass, Add	84.84	
08 52 16 00-0194	EA	20-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	561.87	57.78
		For Tempered Clear Insulated Glass, Add	89.52	
08 52 16 00-0195	EA	24-1/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	590.45	59.70
		For Tempered Clear Insulated Glass, Add	94.21	
08 52 16 00-0196	EA	28-3/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	635.22	62.27
		For Tempered Clear Insulated Glass, Add	102.14	
08 52 16 00-0197	EA	31-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	677.75	64.19
		For Tempered Clear Insulated Glass, Add	109.87	
08 52 16 00-0198	EA	35-15/16" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	719.10	65.48
		For Tempered Clear Insulated Glass, Add	117.63	
08 52 16 00-0199 40-13/16" Height, One Operating Sash, Casement Wood Clad Windows				
(Andersen 200 Series) (08 52 16 00-0180)				
08 52 16 00-0200	EA	17" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	573.45	59.05
		For Tempered Clear Insulated Glass, Add	91.32	
08 52 16 00-0201	EA	20-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	598.92	60.34
		For Tempered Clear Insulated Glass, Add	95.65	
08 52 16 00-0202	EA	24-1/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	627.49	62.91
		For Tempered Clear Insulated Glass, Add	100.33	
08 52 16 00-0203	EA	28-3/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	692.08	65.48
		For Tempered Clear Insulated Glass, Add	112.23	
08 52 16 00-0204	EA	31-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	736.63	68.05
		For Tempered Clear Insulated Glass, Add	120.36	
08 52 16 00-0205	EA	35-15/16" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	778.54	70.61
		For Tempered Clear Insulated Glass, Add	127.72	
08 52 16 00-0206 48" Height, One Operating Sash, Casement Wood Clad Windows				
(Andersen 200 Series) (08 52 16 00-0180)				
08 52 16 00-0207	EA	17" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	628.77	64.19
		For Tempered Clear Insulated Glass, Add	100.33	
08 52 16 00-0208	EA	20-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	656.04	65.48
		For Tempered Clear Insulated Glass, Add	105.02	
08 52 16 00-0209	EA	24-1/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	684.61	68.05
		For Tempered Clear Insulated Glass, Add	109.70	
08 52 16 00-0210	EA	28-3/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	773.52	70.61
		For Tempered Clear Insulated Glass, Add	126.46	
08 52 16 00-0211	EA	31-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	808.48	73.18
		For Tempered Clear Insulated Glass, Add	132.68	
08 52 16 00-0212	EA	35-15/16" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	860.89	75.74
		For Tempered Clear Insulated Glass, Add	142.14	
08 52 16 00-0213 52-13/16" Height, One Operating Sash, Casement Wood Clad Windows				
(Andersen 200 Series) (08 52 16 00-0180)				
08 52 16 00-0214	EA	17" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	666.34	66.76
		For Tempered Clear Insulated Glass, Add	106.82	
08 52 16 00-0215	EA	20-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	691.82	68.05
		For Tempered Clear Insulated Glass, Add	111.14	
08 52 16 00-0216	EA	24-1/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	720.37	70.61
		For Tempered Clear Insulated Glass, Add	115.83	
08 52 16 00-0217	EA	28-3/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	830.02	73.18
		For Tempered Clear Insulated Glass, Add	136.73	
08 52 16 00-0218	EA	31-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	882.03	75.74
		For Tempered Clear Insulated Glass, Add	146.36	
08 52 16 00-0219	EA	35-15/16" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	916.48	78.32
		For Tempered Clear Insulated Glass, Add	152.23	
08 52 16 00-0220 59-7/8" Height, One Operating Sash, Casement Wood Clad Windows				
(Andersen 200 Series) (08 52 16 00-0180)				
08 52 16 00-0221	EA	17" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	720.37	70.61
		For Tempered Clear Insulated Glass, Add	115.83	
08 52 16 00-0222	EA	20-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	747.65	73.18
		For Tempered Clear Insulated Glass, Add	120.51	
08 52 16 00-0223	EA	24-1/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	776.20	75.11
		For Tempered Clear Insulated Glass, Add	125.20	
08 52 16 00-0224	EA	28-3/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	911.07	77.68
		For Tempered Clear Insulated Glass, Add	151.14	
08 52 16 00-0225	EA	31-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	948.04	79.60
		For Tempered Clear Insulated Glass, Add	157.77	
08 52 16 00-0226	EA	35-15/16" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	997.53	82.17
		For Tempered Clear Insulated Glass, Add	166.64	

08	08	Openings
	08 50	Windows
	08 52	Wood Windows

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 52 16 00-0227			64-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0180)		
08 52 16 00-0228	EA		17" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	759.22	74.47
			<i>For Tempered Clear Insulated Glass, Add</i>	122.32	
08 52 16 00-0229	EA		20-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	784.70	75.74
			<i>For Tempered Clear Insulated Glass, Add</i>	126.64	
08 52 16 00-0230	EA		24-1/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	813.25	78.32
			<i>For Tempered Clear Insulated Glass, Add</i>	131.32	
08 52 16 00-0231	EA		28-3/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	967.94	80.88
			<i>For Tempered Clear Insulated Glass, Add</i>	161.23	
08 52 16 00-0232	EA		31-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	1,002.36	83.45
			<i>For Tempered Clear Insulated Glass, Add</i>	167.35	
08 52 16 00-0233	EA		35-15/16" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	1,054.40	86.02
			<i>For Tempered Clear Insulated Glass, Add</i>	176.73	
08 52 16 00-0234			71-7/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0180)		
08 52 16 00-0235	EA		17" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	813.25	78.32
			<i>For Tempered Clear Insulated Glass, Add</i>	131.32	
08 52 16 00-0236	EA		20-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	840.53	80.88
			<i>For Tempered Clear Insulated Glass, Add</i>	136.01	
08 52 16 00-0237	EA		24-1/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	869.09	82.81
			<i>For Tempered Clear Insulated Glass, Add</i>	140.69	
08 52 16 00-0238	EA		28-3/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	1,049.00	85.38
			<i>For Tempered Clear Insulated Glass, Add</i>	175.65	
08 52 16 00-0239	EA		31-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	1,091.17	87.30
			<i>For Tempered Clear Insulated Glass, Add</i>	183.31	
08 52 16 00-0240	EA		35-15/16" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	1,135.48	89.87
			<i>For Tempered Clear Insulated Glass, Add</i>	191.15	
08 52 16 00-0241			Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0179)		
08 52 16 00-0242			24-1/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0241)		
08 52 16 00-0243	EA		40-3/4" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	793.15	62.91
			<i>For Tempered Clear Insulated Glass, Add</i>	133.47	
08 52 16 00-0244	EA		48" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	901.00	68.05
			<i>For Tempered Clear Insulated Glass, Add</i>	152.98	
08 52 16 00-0245	EA		56-1/2" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,025.81	73.18
			<i>For Tempered Clear Insulated Glass, Add</i>	175.89	
08 52 16 00-0246			28-3/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0241)		
08 52 16 00-0247	EA		40-3/4" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	855.46	65.48
			<i>For Tempered Clear Insulated Glass, Add</i>	144.90	
08 52 16 00-0248	EA		48" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	963.31	70.61
			<i>For Tempered Clear Insulated Glass, Add</i>	164.42	
08 52 16 00-0249	EA		56-1/2" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,088.12	75.74
			<i>For Tempered Clear Insulated Glass, Add</i>	187.32	
08 52 16 00-0250			35-15/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0241)		
08 52 16 00-0251	EA		33-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	847.79	65.48
			<i>For Tempered Clear Insulated Glass, Add</i>	143.37	
08 52 16 00-0252	EA		40-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	957.69	70.61
			<i>For Tempered Clear Insulated Glass, Add</i>	163.55	
08 52 16 00-0253	EA		48" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,072.46	75.74
			<i>For Tempered Clear Insulated Glass, Add</i>	184.45	
08 52 16 00-0254	EA		56-1/2" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,205.26	80.24
			<i>For Tempered Clear Insulated Glass, Add</i>	208.96	
08 52 16 00-0255	EA		62-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,294.28	84.09
			<i>For Tempered Clear Insulated Glass, Add</i>	225.22	
08 52 16 00-0256	EA		71-5/8" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,442.55	89.87
			<i>For Tempered Clear Insulated Glass, Add</i>	252.56	
08 52 16 00-0257			40-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0241)		
08 52 16 00-0258	EA		33-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	924.49	68.69
			<i>For Tempered Clear Insulated Glass, Add</i>	157.42	
08 52 16 00-0259	EA		40-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,034.39	73.18
			<i>For Tempered Clear Insulated Glass, Add</i>	177.60	
08 52 16 00-0260	EA		48" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,149.15	78.32
			<i>For Tempered Clear Insulated Glass, Add</i>	198.50	
08 52 16 00-0261	EA		56-1/2" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,281.95	83.45
			<i>For Tempered Clear Insulated Glass, Add</i>	223.01	
08 52 16 00-0262	EA		62-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,380.52	87.30
			<i>For Tempered Clear Insulated Glass, Add</i>	241.18	
08 52 16 00-0263	EA		71-5/8" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,794.90	93.08
			<i>For Tempered Clear Insulated Glass, Add</i>	321.75	

MINOR CSI	UOM	DESCRIPTION	Openings Windows Wood Windows	08 08 50 08 52	08
			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	

08 52 16 00-0264	48" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0241)				
08 52 16 00-0265	EA	33-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,037.46		73.82
		For Tempered Clear Insulated Glass, Add	177.96		
08 52 16 00-0266	EA	40-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,149.15		78.32
		For Tempered Clear Insulated Glass, Add	198.50		
08 52 16 00-0267	EA	48" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,263.93		83.45
		For Tempered Clear Insulated Glass, Add	219.41		
08 52 16 00-0268	EA	56-1/2" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,396.72		88.59
		For Tempered Clear Insulated Glass, Add	243.91		
08 52 16 00-0269	EA	62-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,491.15		92.44
		For Tempered Clear Insulated Glass, Add	261.25		
08 52 16 00-0270	EA	71-5/8" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,634.01		98.22
		For Tempered Clear Insulated Glass, Add	287.51		
08 52 16 00-0271	52-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0241)				
08 52 16 00-0272	EA	33-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,112.87		76.39
		For Tempered Clear Insulated Glass, Add	192.02		
08 52 16 00-0273	EA	40-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,222.76		80.88
		For Tempered Clear Insulated Glass, Add	212.20		
08 52 16 00-0274	EA	48" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,324.16		86.02
		For Tempered Clear Insulated Glass, Add	230.42		
08 52 16 00-0275	EA	56-1/2" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,470.33		91.16
		For Tempered Clear Insulated Glass, Add	257.60		
08 52 16 00-0276	EA	62-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,569.27		95.01
		For Tempered Clear Insulated Glass, Add	275.85		
08 52 16 00-0277	EA	71-5/8" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,709.41		100.78
		For Tempered Clear Insulated Glass, Add	301.57		
08 52 16 00-0278	59-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0241)				
08 52 16 00-0279	EA	33-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,224.56		80.88
		For Tempered Clear Insulated Glass, Add	212.56		
08 52 16 00-0280	EA	40-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,334.45		86.02
		For Tempered Clear Insulated Glass, Add	232.74		
08 52 16 00-0281	EA	48" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,449.22		91.16
		For Tempered Clear Insulated Glass, Add	253.64		
08 52 16 00-0282	EA	56-1/2" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,582.02		95.65
		For Tempered Clear Insulated Glass, Add	278.14		
08 52 16 00-0283	EA	62-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,680.96		99.50
		For Tempered Clear Insulated Glass, Add	296.39		
08 52 16 00-0284	EA	71-5/8" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,819.29		105.28
		For Tempered Clear Insulated Glass, Add	321.75		
08 52 16 00-0285	64-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0241)				
08 52 16 00-0286	EA	33-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,301.25		84.09
		For Tempered Clear Insulated Glass, Add	226.61		
08 52 16 00-0287	EA	40-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,411.14		88.59
		For Tempered Clear Insulated Glass, Add	246.79		
08 52 16 00-0288	EA	48" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,527.71		93.72
		For Tempered Clear Insulated Glass, Add	268.05		
08 52 16 00-0289	EA	56-1/2" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,660.51		98.86
		For Tempered Clear Insulated Glass, Add	292.56		
08 52 16 00-0290	71-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0241)				
08 52 16 00-0291	EA	33-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,412.94		88.59
		For Tempered Clear Insulated Glass, Add	247.15		
08 52 16 00-0292	EA	40-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,522.83		93.72
		For Tempered Clear Insulated Glass, Add	267.33		
08 52 16 00-0293	EA	48" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,637.62		98.86
		For Tempered Clear Insulated Glass, Add	288.24		
08 52 16 00-0294	EA	56-1/2" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,770.41		103.35
		For Tempered Clear Insulated Glass, Add	312.74		
08 52 16 00-0295	One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0179)				
08 52 16 00-0296	24-1/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0295)				
08 52 16 00-0297	EA	71-7/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,255.59		82.81
		For Tempered Clear Insulated Glass, Add	217.99		
08 52 16 00-0298	EA	84-5/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,459.86		91.16
		For Tempered Clear Insulated Glass, Add	255.51		

08 Openings**08 50 Windows****08 52 Wood Windows**
 MINOR
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 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 52 16 00-0299	28-3/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0295)				
08 52 16 00-0300	EA	71-7/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,332.10	85.38	
		For Tempered Clear Insulated Glass, Add	232.27		
08 52 16 00-0301	EA	84-5/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,522.99	93.72	
		For Tempered Clear Insulated Glass, Add	267.11		
08 52 16 00-0302	35-15/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0295)				
08 52 16 00-0303	EA	61" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,282.31	83.45	
		For Tempered Clear Insulated Glass, Add	223.08		
08 52 16 00-0304	EA	71-7/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,446.15	89.87	
		For Tempered Clear Insulated Glass, Add	253.28		
08 52 16 00-0305	EA	84-5/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,648.43	98.86	
		For Tempered Clear Insulated Glass, Add	290.40		
08 52 16 00-0306	40-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0295)				
08 52 16 00-0307	EA	61" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,355.33	87.30	
		For Tempered Clear Insulated Glass, Add	236.40		
08 52 16 00-0308	EA	71-7/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,524.63	93.08	
		For Tempered Clear Insulated Glass, Add	267.69		
08 52 16 00-0309	EA	84-5/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,725.11	101.43	
		For Tempered Clear Insulated Glass, Add	304.45		
08 52 16 00-0310	48" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0295)				
08 52 16 00-0311	EA	71-7/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,637.62	98.22	
		For Tempered Clear Insulated Glass, Add	288.24		
08 52 16 00-0312	EA	84-5/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,838.09	106.56	
		For Tempered Clear Insulated Glass, Add	324.99		
08 52 16 00-0313	52-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0295)				
08 52 16 00-0314	EA	71-7/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,713.02	100.78	
		For Tempered Clear Insulated Glass, Add	302.29		
08 52 16 00-0315	EA	84-5/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,913.49	109.13	
		For Tempered Clear Insulated Glass, Add	339.05		
08 52 16 00-0316	59-7/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0295)				
08 52 16 00-0317	EA	71-7/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,822.90	105.28	
		For Tempered Clear Insulated Glass, Add	322.47		
08 52 16 00-0318	EA	84-5/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	2,025.18	114.26	
		For Tempered Clear Insulated Glass, Add	359.59		
08 52 16 00-0319	Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0178)				
	Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.				
08 52 16 00-0320	One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0319)				
08 52 16 00-0321	24-1/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0320)				
08 52 16 00-0322	EA	17" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	528.59	48.79	
		For Tempered Low-E Insulated Glass, Add	86.46		
08 52 16 00-0323	EA	20-1/2" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	559.46	50.07	
		For Tempered Low-E Insulated Glass, Add	91.86		
08 52 16 00-0324	EA	24-1/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	593.88	52.64	
		For Tempered Low-E Insulated Glass, Add	97.72		
08 52 16 00-0325	EA	28-3/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	625.56	55.21	
		For Tempered Low-E Insulated Glass, Add	103.03		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 52 16 00-0326 28-3/8" Height, One Operating Sash, Casement Wood Clad Windows
(Andersen 400 Series) (08 52 16 00-0320)

08 52 16 00-0327	EA	17" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	567.51	51.36
		For Tempered Low-E Insulated Glass, Add	93.22	
08 52 16 00-0328	EA	20-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	598.39	52.64
		For Tempered Low-E Insulated Glass, Add	98.62	
08 52 16 00-0329	EA	24-1/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	632.80	55.21
		For Tempered Low-E Insulated Glass, Add	104.48	
08 52 16 00-0330	EA	28-3/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	649.51	57.78
		For Tempered Low-E Insulated Glass, Add	106.79	
08 52 16 00-0331	EA	31-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	689.67	60.34
		For Tempered Low-E Insulated Glass, Add	114.05	

08 52 16 00-0332 35-15/16" Height, One Operating Sash, Casement Wood Clad Windows
(Andersen 400 Series) (08 52 16 00-0320)

08 52 16 00-0333	EA	17" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	637.30	55.21
		For Tempered Low-E Insulated Glass, Add	105.38	
08 52 16 00-0334	EA	20-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	670.43	57.78
		For Tempered Low-E Insulated Glass, Add	111.23	
08 52 16 00-0335	EA	24-1/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	704.86	59.70
		For Tempered Low-E Insulated Glass, Add	117.09	
08 52 16 00-0336	EA	28-3/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	759.54	62.27
		For Tempered Low-E Insulated Glass, Add	127.00	
08 52 16 00-0337	EA	31-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	811.74	64.19
		For Tempered Low-E Insulated Glass, Add	136.67	
08 52 16 00-0338	EA	35-15/16" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	862.80	65.48
		For Tempered Low-E Insulated Glass, Add	146.37	

08 52 16 00-0339 40-13/16" Height, One Operating Sash, Casement Wood Clad Windows
(Andersen 400 Series) (08 52 16 00-0320)

08 52 16 00-0340	EA	17" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	684.26	59.05
		For Tempered Low-E Insulated Glass, Add	113.49	
08 52 16 00-0341	EA	20-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	715.14	60.34
		For Tempered Low-E Insulated Glass, Add	118.89	
08 52 16 00-0342	EA	24-1/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	749.56	62.91
		For Tempered Low-E Insulated Glass, Add	124.75	
08 52 16 00-0343	EA	28-3/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	829.02	65.48
		For Tempered Low-E Insulated Glass, Add	139.61	
08 52 16 00-0344	EA	31-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	883.74	68.05
		For Tempered Low-E Insulated Glass, Add	149.79	
08 52 16 00-0345	EA	35-15/16" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	934.85	70.61
		For Tempered Low-E Insulated Glass, Add	158.98	

08 52 16 00-0346 48" Height, One Operating Sash, Casement Wood Clad Windows
(Andersen 400 Series) (08 52 16 00-0320)

08 52 16 00-0347	EA	17" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	750.84	64.19
		For Tempered Low-E Insulated Glass, Add	124.75	
08 52 16 00-0348	EA	20-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	783.97	65.48
		For Tempered Low-E Insulated Glass, Add	130.60	
08 52 16 00-0349	EA	24-1/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	818.40	68.05
		For Tempered Low-E Insulated Glass, Add	136.46	
08 52 16 00-0350	EA	28-3/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	928.25	70.61
		For Tempered Low-E Insulated Glass, Add	157.40	
08 52 16 00-0351	EA	31-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	970.98	73.18
		For Tempered Low-E Insulated Glass, Add	165.18	
08 52 16 00-0352	EA	35-15/16" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,035.21	75.74
		For Tempered Low-E Insulated Glass, Add	177.00	

08 52 16 00-0353 52-13/16" Height, One Operating Sash, Casement Wood Clad Windows
(Andersen 400 Series) (08 52 16 00-0320)

08 52 16 00-0354	EA	17" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	796.52	66.76
		For Tempered Low-E Insulated Glass, Add	132.86	
08 52 16 00-0355	EA	20-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	827.41	68.05
		For Tempered Low-E Insulated Glass, Add	138.26	
08 52 16 00-0356	EA	24-1/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	861.82	70.61
		For Tempered Low-E Insulated Glass, Add	144.12	
08 52 16 00-0357	EA	28-3/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	997.59	73.18
		For Tempered Low-E Insulated Glass, Add	170.24	
08 52 16 00-0358	EA	31-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,061.64	75.74
		For Tempered Low-E Insulated Glass, Add	182.29	
08 52 16 00-0359	EA	35-15/16" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,103.42	78.32
		For Tempered Low-E Insulated Glass, Add	189.61	

08 52 16 00-0360 59-7/8" Height, One Operating Sash, Casement Wood Clad Windows
(Andersen 400 Series) (08 52 16 00-0320)

08 52 16 00-0361	EA	17" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	861.82	70.61
		For Tempered Low-E Insulated Glass, Add	144.12	

08	08	Openings
	08 50	Windows
	08 52	Wood Windows



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 52 16 00-0362	EA		20-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	894.95	73.18
			<i>For Tempered Low-E Insulated Glass, Add</i>	149.97	
08 52 16 00-0363	EA		24-1/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	929.36	75.11
			<i>For Tempered Low-E Insulated Glass, Add</i>	155.83	
08 52 16 00-0364	EA		28-3/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,096.66	77.68
			<i>For Tempered Low-E Insulated Glass, Add</i>	188.26	
08 52 16 00-0365	EA		31-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,141.91	79.60
			<i>For Tempered Low-E Insulated Glass, Add</i>	196.54	
08 52 16 00-0366	EA		35-15/16" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,202.49	82.17
			<i>For Tempered Low-E Insulated Glass, Add</i>	207.63	

**08 52 16 00-0367 64-13/16" Height, One Operating Sash, Casement Wood Clad Windows
(Andersen 400 Series)** (08 52 16 00-0320)

08 52 16 00-0368	EA		17" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	908.77	74.47
			<i>For Tempered Low-E Insulated Glass, Add</i>	152.23	
08 52 16 00-0369	EA		20-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	939.66	75.74
			<i>For Tempered Low-E Insulated Glass, Add</i>	157.63	
08 52 16 00-0370	EA		24-1/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	974.07	78.32
			<i>For Tempered Low-E Insulated Glass, Add</i>	163.49	
08 52 16 00-0371	EA		28-3/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,166.14	80.88
			<i>For Tempered Low-E Insulated Glass, Add</i>	200.87	
08 52 16 00-0372	EA		31-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,208.20	83.45
			<i>For Tempered Low-E Insulated Glass, Add</i>	208.52	
08 52 16 00-0373	EA		35-15/16" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,271.97	86.02
			<i>For Tempered Low-E Insulated Glass, Add</i>	220.24	

**08 52 16 00-0374 71-7/8" Height, One Operating Sash, Casement Wood Clad Windows
(Andersen 400 Series)** (08 52 16 00-0320)

08 52 16 00-0375	EA		17" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	974.07	78.32
			<i>For Tempered Low-E Insulated Glass, Add</i>	163.49	
08 52 16 00-0376	EA		20-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,007.20	80.88
			<i>For Tempered Low-E Insulated Glass, Add</i>	169.34	
08 52 16 00-0377	EA		24-1/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,041.61	82.81
			<i>For Tempered Low-E Insulated Glass, Add</i>	175.20	
08 52 16 00-0378	EA		28-3/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,265.22	85.38
			<i>For Tempered Low-E Insulated Glass, Add</i>	218.89	
08 52 16 00-0379	EA		31-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,316.97	87.30
			<i>For Tempered Low-E Insulated Glass, Add</i>	228.47	
08 52 16 00-0380	EA		35-15/16" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,371.06	89.87
			<i>For Tempered Low-E Insulated Glass, Add</i>	238.26	

08 52 16 00-0381 Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0319)

**08 52 16 00-0382 24-1/8" Height, Two Operating Sashes, Casement Wood Clad Windows
(Andersen 400 Series)** (08 52 16 00-0381)

08 52 16 00-0383	EA		40-3/4" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	953.29	62.91
			<i>For Tempered Low-E Insulated Glass, Add</i>	165.49	
08 52 16 00-0384	EA		48" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,085.54	68.05
			<i>For Tempered Low-E Insulated Glass, Add</i>	189.89	
08 52 16 00-0385	EA		56-1/2" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,238.98	73.18
			<i>For Tempered Low-E Insulated Glass, Add</i>	218.52	

**08 52 16 00-0386 28-3/8" Height, Two Operating Sashes, Casement Wood Clad Windows
(Andersen 400 Series)** (08 52 16 00-0381)

08 52 16 00-0387	EA		40-3/4" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,029.90	65.48
			<i>For Tempered Low-E Insulated Glass, Add</i>	179.79	
08 52 16 00-0388	EA		48" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,162.14	70.61
			<i>For Tempered Low-E Insulated Glass, Add</i>	204.18	
08 52 16 00-0389	EA		56-1/2" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,315.59	75.74
			<i>For Tempered Low-E Insulated Glass, Add</i>	232.82	

**08 52 16 00-0390 35-15/16" Height, Two Operating Sashes, Casement Wood Clad Windows
(Andersen 400 Series)** (08 52 16 00-0381)

08 52 16 00-0391	EA		33-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,020.32	65.48
			<i>For Tempered Low-E Insulated Glass, Add</i>	177.87	
08 52 16 00-0392	EA		40-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,155.44	70.61
			<i>For Tempered Low-E Insulated Glass, Add</i>	203.10	
08 52 16 00-0393	EA		48" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,296.34	75.74
			<i>For Tempered Low-E Insulated Glass, Add</i>	229.23	
08 52 16 00-0394	EA		56-1/2" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,459.76	80.24
			<i>For Tempered Low-E Insulated Glass, Add</i>	259.86	
08 52 16 00-0395	EA		62-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,569.11	84.09
			<i>For Tempered Low-E Insulated Glass, Add</i>	280.18	
08 52 16 00-0396	EA		71-5/8" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,751.56	89.87
			<i>For Tempered Low-E Insulated Glass, Add</i>	314.36	

**08 52 16 00-0397 40-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows
(Andersen 400 Series)** (08 52 16 00-0381)

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0398	EA	33-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,114.58 195.44	68.69
08 52 16 00-0399	EA	40-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,249.70 220.67	73.18
08 52 16 00-0400	EA	48" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,390.60 246.79	78.32
08 52 16 00-0401	EA	56-1/2" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,554.02 277.42	83.45
08 52 16 00-0402	EA	62-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,675.31 300.14	87.30
08 52 16 00-0403	EA	71-5/8" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	2,190.40 400.85	93.08
08 52 16 00-0404 48" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0381)				
08 52 16 00-0405	EA	33-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,253.23 221.12	73.82
08 52 16 00-0406	EA	40-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,390.60 246.79	78.32
08 52 16 00-0407	EA	48" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,531.50 272.92	83.45
08 52 16 00-0408	EA	56-1/2" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,694.92 303.55	88.59
08 52 16 00-0409	EA	62-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,811.03 325.23	92.44
08 52 16 00-0410	EA	71-5/8" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,986.72 358.06	98.22
08 52 16 00-0411 52-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0381)				
08 52 16 00-0412	EA	33-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,346.21 238.69	76.39
08 52 16 00-0413	EA	40-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,481.32 263.91	80.88
08 52 16 00-0414	EA	48" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,608.85 287.36	86.02
08 52 16 00-0415	EA	56-1/2" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,785.65 320.67	91.16
08 52 16 00-0416	EA	62-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,907.40 343.48	95.01
08 52 16 00-0417	EA	71-5/8" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	2,079.69 375.62	100.78
08 52 16 00-0418 59-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0381)				
08 52 16 00-0419	EA	33-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,483.58 264.36	80.88
08 52 16 00-0420	EA	40-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,618.68 289.59	86.02
08 52 16 00-0421	EA	48" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,759.58 315.71	91.16
08 52 16 00-0422	EA	56-1/2" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,923.02 346.34	95.65
08 52 16 00-0423	EA	62-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	2,044.76 369.15	99.50
08 52 16 00-0424	EA	71-5/8" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	2,214.79 400.85	105.28
08 52 16 00-0425 64-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0381)				
08 52 16 00-0426	EA	33-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,577.83 281.93	84.09
08 52 16 00-0427	EA	40-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,712.94 307.15	88.59
08 52 16 00-0428	EA	48" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,856.10 333.73	93.72
08 52 16 00-0429	EA	56-1/2" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	2,019.52 364.36	98.86
08 52 16 00-0430 71-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0381)				
08 52 16 00-0431	EA	33-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,715.19 307.60	88.59
08 52 16 00-0432	EA	40-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,850.31 332.83	93.72
08 52 16 00-0433	EA	48" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,991.22 358.96	98.86
08 52 16 00-0434	EA	56-1/2" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	2,154.65 389.59	103.35

08	08	Openings
	08 50	Windows
	08 52	Wood Windows

MINOR		TOTAL DIRECT		DEMOLITION	
CSI UOM DESCRIPTION		UNIT COST		UNIT COST	
08 52 16 00-0435	One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0319)				
08 52 16 00-0436	24-1/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0435)				
08 52 16 00-0437	EA 71-7/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,524.74	82.81		
	For Tempered Low-E Insulated Glass, Add	271.82			
08 52 16 00-0438	EA 84-5/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,772.56	91.16		
	For Tempered Low-E Insulated Glass, Add	318.05			
08 52 16 00-0439	28-3/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0435)				
08 52 16 00-0440	EA 71-7/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,615.75	85.38		
	For Tempered Low-E Insulated Glass, Add	289.00			
08 52 16 00-0441	EA 84-5/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,850.19	93.72		
	For Tempered Low-E Insulated Glass, Add	332.55			
08 52 16 00-0442	35-15/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0435)				
08 52 16 00-0443	EA 61" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,554.48	83.45		
	For Tempered Low-E Insulated Glass, Add	277.52			
08 52 16 00-0444	EA 71-7/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,756.06	89.87		
	For Tempered Low-E Insulated Glass, Add	315.26			
08 52 16 00-0445	EA 84-5/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,004.74	98.86		
	For Tempered Low-E Insulated Glass, Add	361.66			
08 52 16 00-0446	40-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0435)				
08 52 16 00-0447	EA 61" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,644.15	87.30		
	For Tempered Low-E Insulated Glass, Add	294.17			
08 52 16 00-0448	EA 71-7/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,852.56	93.08		
	For Tempered Low-E Insulated Glass, Add	333.28			
08 52 16 00-0449	EA 84-5/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,098.99	101.43		
	For Tempered Low-E Insulated Glass, Add	379.23			
08 52 16 00-0450	48" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0435)				
08 52 16 00-0451	EA 71-7/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,991.22	98.22		
	For Tempered Low-E Insulated Glass, Add	358.96			
08 52 16 00-0452	EA 84-5/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,237.64	106.56		
	For Tempered Low-E Insulated Glass, Add	404.90			
08 52 16 00-0453	52-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0435)				
08 52 16 00-0454	EA 71-7/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,084.19	100.78		
	For Tempered Low-E Insulated Glass, Add	376.52			
08 52 16 00-0455	EA 84-5/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,330.61	109.13		
	For Tempered Low-E Insulated Glass, Add	422.47			
08 52 16 00-0456	59-7/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0435)				
08 52 16 00-0457	EA 71-7/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,219.30	105.28		
	For Tempered Low-E Insulated Glass, Add	401.75			
08 52 16 00-0458	EA 84-5/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,467.97	114.26		
	For Tempered Low-E Insulated Glass, Add	448.15			
08 52 16 00-0459	Awning Wood Clad Windows (08 52 16)				
	Note: Awning windows are hinged at the top of the frame and swing outward with a crank or push out operation.				
08 52 16 00-0460	Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0459)				
	Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.				

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0461			Venting, Awning Wood Clad Windows (Andersen 200 Series) _(08 52 16 00-0460)		
08 52 16 00-0462			17" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) _(08 52 16 00-0461)		
08 52 16 00-0463	EA		24-1/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	481.65	52.64
			For Tempered Clear Insulated Glass, Add	75.27	
08 52 16 00-0464	EA		28-3/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	515.61	55.21
			For Tempered Clear Insulated Glass, Add	81.04	
08 52 16 00-0465	EA		31-1/2" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	543.41	57.13
			For Tempered Clear Insulated Glass, Add	85.83	
08 52 16 00-0466	EA		35-15/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	578.67	59.70
			For Tempered Clear Insulated Glass, Add	91.85	
08 52 16 00-0467	EA		40-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	619.31	62.91
			For Tempered Clear Insulated Glass, Add	98.70	
08 52 16 00-0468	EA		48" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	681.85	68.05
			For Tempered Clear Insulated Glass, Add	109.15	
08 52 16 00-0469	EA		52-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	721.21	70.61
			For Tempered Clear Insulated Glass, Add	116.00	
08 52 16 00-0470	EA		59-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	778.84	75.74
			For Tempered Clear Insulated Glass, Add	125.73	
08 52 16 00-0471	EA		64-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	800.68	78.32
			For Tempered Clear Insulated Glass, Add	128.81	
08 52 16 00-0472	EA		71-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	857.70	82.81
			For Tempered Clear Insulated Glass, Add	138.42	
08 52 16 00-0473			20-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) _(08 52 16 00-0461)		
08 52 16 00-0474	EA		24-1/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	508.02	55.21
			For Tempered Clear Insulated Glass, Add	79.78	
08 52 16 00-0475	EA		28-3/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	544.69	57.78
			For Tempered Clear Insulated Glass, Add	86.09	
08 52 16 00-0476	EA		31-1/2" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	568.67	59.05
			For Tempered Clear Insulated Glass, Add	90.11	
08 52 16 00-0477	EA		35-15/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	607.73	61.63
			For Tempered Clear Insulated Glass, Add	96.90	
08 52 16 00-0478	EA		40-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	648.39	65.48
			For Tempered Clear Insulated Glass, Add	103.74	
08 52 16 00-0479	EA		48" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	709.11	69.97
			For Tempered Clear Insulated Glass, Add	113.83	
08 52 16 00-0480	EA		52-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	748.48	73.18
			For Tempered Clear Insulated Glass, Add	120.68	
08 52 16 00-0481	EA		59-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	807.92	77.03
			For Tempered Clear Insulated Glass, Add	130.77	
08 52 16 00-0482	EA		64-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	827.65	80.88
			For Tempered Clear Insulated Glass, Add	133.43	
08 52 16 00-0483	EA		71-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	886.46	84.74
			For Tempered Clear Insulated Glass, Add	143.40	
08 52 16 00-0484	EA		84-5/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,360.74	93.72
			For Tempered Clear Insulated Glass, Add	234.92	
08 52 16 00-0485			24-1/8" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) _(08 52 16 00-0461)		
08 52 16 00-0486	EA		24-1/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	541.09	57.78
			For Tempered Clear Insulated Glass, Add	85.37	
08 52 16 00-0487	EA		28-3/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	575.07	60.34
			For Tempered Clear Insulated Glass, Add	91.13	
08 52 16 00-0488	EA		31-1/2" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	598.25	61.63
			For Tempered Clear Insulated Glass, Add	95.00	
08 52 16 00-0489	EA		35-15/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	638.10	64.19
			For Tempered Clear Insulated Glass, Add	101.94	
08 52 16 00-0490	EA		40-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	678.75	68.05
			For Tempered Clear Insulated Glass, Add	108.79	
08 52 16 00-0491	EA		48" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	741.28	72.53
			For Tempered Clear Insulated Glass, Add	119.24	
08 52 16 00-0492	EA		52-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	780.64	75.74
			For Tempered Clear Insulated Glass, Add	126.09	
08 52 16 00-0493	EA		59-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	840.08	79.60
			For Tempered Clear Insulated Glass, Add	136.18	
08 52 16 00-0494	EA		64-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	857.70	83.45
			For Tempered Clear Insulated Glass, Add	138.42	
08 52 16 00-0495	EA		71-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	914.66	87.30
			For Tempered Clear Insulated Glass, Add	148.01	
08 52 16 00-0496	EA		84-5/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,431.59	96.29
			For Tempered Clear Insulated Glass, Add	248.06	
08 52 16 00-0497			28-3/8" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) _(08 52 16 00-0461)		
08 52 16 00-0498	EA		24-1/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	540.83	60.34
			For Tempered Clear Insulated Glass, Add	84.28	
08 52 16 00-0499	EA		28-3/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	592.81	62.91
			For Tempered Clear Insulated Glass, Add	93.65	
08 52 16 00-0500	EA		31-1/2" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	626.31	64.19
			For Tempered Clear Insulated Glass, Add	99.58	

08 Openings**08 50 Windows****08 52 Wood Windows**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 52 16 00-0501	EA	35-15/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	688.28	66.76
		<i>For Tempered Clear Insulated Glass, Add</i>	110.95	
08 52 16 00-0502	EA	40-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	750.55	70.61
		<i>For Tempered Clear Insulated Glass, Add</i>	122.12	
08 52 16 00-0503	EA	48" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	841.90	75.11
		<i>For Tempered Clear Insulated Glass, Add</i>	138.34	
08 52 16 00-0504	EA	52-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	901.10	78.32
		<i>For Tempered Clear Insulated Glass, Add</i>	149.15	
08 52 16 00-0505	EA	59-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	991.16	82.17
		<i>For Tempered Clear Insulated Glass, Add</i>	165.37	
08 52 16 00-0506	EA	64-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,024.72	86.02
		<i>For Tempered Clear Insulated Glass, Add</i>	170.79	
08 52 16 00-0507	EA	71-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,112.00	89.87
		<i>For Tempered Clear Insulated Glass, Add</i>	186.45	
08 52 16 00-0508	EA	84-5/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,470.49	98.86
		<i>For Tempered Clear Insulated Glass, Add</i>	254.81	

08 52 16 00-0509 31-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series)

(08 52 16 00-0461)

08 52 16 00-0510	EA	28-3/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	626.31	64.19
		<i>For Tempered Clear Insulated Glass, Add</i>	99.58	
08 52 16 00-0511	EA	31-1/2" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	662.25	66.12
		<i>For Tempered Clear Insulated Glass, Add</i>	106.00	
08 52 16 00-0512	EA	35-15/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	711.69	68.69
		<i>For Tempered Clear Insulated Glass, Add</i>	114.86	
08 52 16 00-0513	EA	40-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	767.01	71.90
		<i>For Tempered Clear Insulated Glass, Add</i>	124.64	
08 52 16 00-0514	EA	48" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	847.58	77.03
		<i>For Tempered Clear Insulated Glass, Add</i>	138.70	
08 52 16 00-0515	EA	52-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	903.15	79.60
		<i>For Tempered Clear Insulated Glass, Add</i>	148.79	
08 52 16 00-0516	EA	59-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	982.43	84.74
		<i>For Tempered Clear Insulated Glass, Add</i>	162.85	
08 52 16 00-0517	EA	64-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,037.75	87.30
		<i>For Tempered Clear Insulated Glass, Add</i>	172.63	
08 52 16 00-0518	EA	71-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,118.55	91.80
		<i>For Tempered Clear Insulated Glass, Add</i>	186.99	
08 52 16 00-0519	EA	84-5/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,567.24	100.14
		<i>For Tempered Clear Insulated Glass, Add</i>	273.39	

08 52 16 00-0520 35-15/16" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series)

(08 52 16 00-0461)

08 52 16 00-0521	EA	31-1/2" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	711.69	68.69
		<i>For Tempered Clear Insulated Glass, Add</i>	114.86	
08 52 16 00-0522	EA	35-15/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	781.95	71.26
		<i>For Tempered Clear Insulated Glass, Add</i>	127.89	
08 52 16 00-0523	EA	40-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	844.23	74.47
		<i>For Tempered Clear Insulated Glass, Add</i>	139.06	
08 52 16 00-0524	EA	48" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	935.58	79.60
		<i>For Tempered Clear Insulated Glass, Add</i>	155.28	
08 52 16 00-0525	EA	52-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	996.57	82.17
		<i>For Tempered Clear Insulated Glass, Add</i>	166.45	
08 52 16 00-0526	EA	59-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,084.84	87.30
		<i>For Tempered Clear Insulated Glass, Add</i>	182.30	
08 52 16 00-0527	EA	64-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	950.11	89.87
		<i>For Tempered Clear Insulated Glass, Add</i>	154.07	
08 52 16 00-0528	EA	71-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,019.57	94.37
		<i>For Tempered Clear Insulated Glass, Add</i>	166.17	

08 52 16 00-0529 40-3/4" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series)

(08 52 16 00-0461)

08 52 16 00-0530	EA	35-15/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 200 Series)	833.42	74.47
		<i>For Tempered Clear Insulated Glass, Add</i>	136.90	
08 52 16 00-0531	EA	40-13/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 200 Series)	937.13	78.32
		<i>For Tempered Clear Insulated Glass, Add</i>	156.36	

08 52 16 00-0532 48" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series)

(08 52 16 00-0461)

08 52 16 00-0533	EA	35-15/16" x 48", Venting, Awning Wood Clad Window (Andersen 200 Series)	989.63	79.60
		<i>For Tempered Clear Insulated Glass, Add</i>	166.09	
08 52 16 00-0534	EA	40-13/16" x 48", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,095.15	83.45
		<i>For Tempered Clear Insulated Glass, Add</i>	185.91	
08 52 16 00-0535	EA	48" x 48", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,249.57	87.95
		<i>For Tempered Clear Insulated Glass, Add</i>	214.74	

08 52 16 00-0536 59-13/16" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series)

(08 52 16 00-0461)

08 52 16 00-0537	EA	35-15/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,223.19	86.66
		<i>For Tempered Clear Insulated Glass, Add</i>	209.97	
08 52 16 00-0538	EA	40-13/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,315.67	89.87
		<i>For Tempered Clear Insulated Glass, Add</i>	227.18	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 52 16 00-0539 71-7/8" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0461)

08 52 16 00-0540	EA	24-1/8" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,336.35	87.30
		<i>For Tempered Clear Insulated Glass, Add</i>	232.35	
08 52 16 00-0541	EA	35-15/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,383.31	94.37
		<i>For Tempered Clear Insulated Glass, Add</i>	238.92	
08 52 16 00-0542	EA	40-13/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,529.73	97.57
		<i>For Tempered Clear Insulated Glass, Add</i>	266.92	
08 52 16 00-0543	EA	48" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,679.65	102.71
		<i>For Tempered Clear Insulated Glass, Add</i>	294.85	

08 52 16 00-0544 Stationary, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0460)

08 52 16 00-0545 17" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0544)

08 52 16 00-0546	EA	24-1/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	425.80	52.64
		<i>For Tempered Clear Insulated Glass, Add</i>	64.10	
08 52 16 00-0547	EA	28-3/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	457.96	55.21
		<i>For Tempered Clear Insulated Glass, Add</i>	69.51	
08 52 16 00-0548	EA	31-1/2" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	479.23	57.13
		<i>For Tempered Clear Insulated Glass, Add</i>	72.99	
08 52 16 00-0549	EA	35-15/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	513.80	59.70
		<i>For Tempered Clear Insulated Glass, Add</i>	78.88	
08 52 16 00-0550	EA	40-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	550.84	62.91
		<i>For Tempered Clear Insulated Glass, Add</i>	85.00	
08 52 16 00-0551	EA	48" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	607.97	68.05
		<i>For Tempered Clear Insulated Glass, Add</i>	94.37	
08 52 16 00-0552	EA	52-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	641.93	70.61
		<i>For Tempered Clear Insulated Glass, Add</i>	100.14	
08 52 16 00-0553	EA	59-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	695.96	75.74
		<i>For Tempered Clear Insulated Glass, Add</i>	109.15	
08 52 16 00-0554	EA	64-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	733.01	78.32
		<i>For Tempered Clear Insulated Glass, Add</i>	115.28	
08 52 16 00-0555	EA	71-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	787.04	82.81
		<i>For Tempered Clear Insulated Glass, Add</i>	124.28	

08 52 16 00-0556 20-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0544)

08 52 16 00-0557	EA	24-1/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	451.27	55.21
		<i>For Tempered Clear Insulated Glass, Add</i>	68.43	
08 52 16 00-0558	EA	28-3/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	483.43	57.78
		<i>For Tempered Clear Insulated Glass, Add</i>	73.83	
08 52 16 00-0559	EA	31-1/2" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	502.96	59.05
		<i>For Tempered Clear Insulated Glass, Add</i>	76.97	
08 52 16 00-0560	EA	35-15/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	541.07	61.63
		<i>For Tempered Clear Insulated Glass, Add</i>	83.56	
08 52 16 00-0561	EA	40-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	578.12	65.48
		<i>For Tempered Clear Insulated Glass, Add</i>	89.69	
08 52 16 00-0562	EA	48" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	633.43	69.97
		<i>For Tempered Clear Insulated Glass, Add</i>	98.70	
08 52 16 00-0563	EA	52-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	669.20	73.18
		<i>For Tempered Clear Insulated Glass, Add</i>	104.82	
08 52 16 00-0564	EA	59-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	721.43	77.03
		<i>For Tempered Clear Insulated Glass, Add</i>	113.47	
08 52 16 00-0565	EA	64-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	760.28	80.88
		<i>For Tempered Clear Insulated Glass, Add</i>	119.96	
08 52 16 00-0566	EA	71-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	812.51	84.74
		<i>For Tempered Clear Insulated Glass, Add</i>	128.61	

08 52 16 00-0567 24-1/8" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0544)

08 52 16 00-0568	EA	24-1/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	479.82	57.78
		<i>For Tempered Clear Insulated Glass, Add</i>	73.11	
08 52 16 00-0569	EA	28-3/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	512.00	60.34
		<i>For Tempered Clear Insulated Glass, Add</i>	78.52	
08 52 16 00-0570	EA	31-1/2" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	529.48	61.63
		<i>For Tempered Clear Insulated Glass, Add</i>	81.25	
08 52 16 00-0571	EA	35-15/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	567.83	64.19
		<i>For Tempered Clear Insulated Glass, Add</i>	87.89	
08 52 16 00-0572	EA	40-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	604.88	68.05
		<i>For Tempered Clear Insulated Glass, Add</i>	94.01	
08 52 16 00-0573	EA	48" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	660.20	72.53
		<i>For Tempered Clear Insulated Glass, Add</i>	103.02	
08 52 16 00-0574	EA	52-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	695.96	75.74
		<i>For Tempered Clear Insulated Glass, Add</i>	109.15	
08 52 16 00-0575	EA	59-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	749.99	79.60
		<i>For Tempered Clear Insulated Glass, Add</i>	118.16	
08 52 16 00-0576	EA	64-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	787.04	83.45
		<i>For Tempered Clear Insulated Glass, Add</i>	124.28	
08 52 16 00-0577	EA	71-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	841.08	87.30
		<i>For Tempered Clear Insulated Glass, Add</i>	133.29	

08 Openings**08 50 Windows****08 52 Wood Windows**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 52 16 00-0578	28-3/8" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) ^(08 52 16 00-0544)		
08 52 16 00-0579	EA 24-1/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	483.17	60.34
	For Tempered Clear Insulated Glass, Add	72.75	
08 52 16 00-0580	EA 28-3/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	526.14	62.91
	For Tempered Clear Insulated Glass, Add	80.32	
08 52 16 00-0581	EA 31-1/2" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	549.90	64.19
	For Tempered Clear Insulated Glass, Add	84.30	
08 52 16 00-0582	EA 35-15/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	572.96	66.76
	For Tempered Clear Insulated Glass, Add	87.89	
08 52 16 00-0583	EA 40-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	653.25	70.61
	For Tempered Clear Insulated Glass, Add	102.66	
08 52 16 00-0584	EA 48" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	726.59	75.11
	For Tempered Clear Insulated Glass, Add	115.28	
08 52 16 00-0585	EA 52-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	774.97	78.32
	For Tempered Clear Insulated Glass, Add	123.92	
08 52 16 00-0586	EA 59-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	847.01	82.17
	For Tempered Clear Insulated Glass, Add	136.54	
08 52 16 00-0587	EA 64-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	898.48	86.02
	For Tempered Clear Insulated Glass, Add	145.55	
08 52 16 00-0588	EA 71-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	970.54	89.87
	For Tempered Clear Insulated Glass, Add	158.16	
08 52 16 00-0589	31-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) ^(08 52 16 00-0544)		
08 52 16 00-0590	EA 28-3/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	549.90	64.19
	For Tempered Clear Insulated Glass, Add	84.30	
08 52 16 00-0591	EA 31-1/2" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	579.73	66.12
	For Tempered Clear Insulated Glass, Add	89.50	
08 52 16 00-0592	EA 35-15/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	620.01	68.69
	For Tempered Clear Insulated Glass, Add	96.53	
08 52 16 00-0593	EA 40-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	666.16	71.90
	For Tempered Clear Insulated Glass, Add	104.47	
08 52 16 00-0594	EA 48" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	732.97	77.03
	For Tempered Clear Insulated Glass, Add	115.78	
08 52 16 00-0595	EA 52-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	777.84	79.60
	For Tempered Clear Insulated Glass, Add	123.73	
08 52 16 00-0596	EA 59-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	843.37	84.74
	For Tempered Clear Insulated Glass, Add	135.04	
08 52 16 00-0597	EA 64-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	887.99	87.30
	For Tempered Clear Insulated Glass, Add	142.68	
08 52 16 00-0598	EA 71-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	953.51	91.80
	For Tempered Clear Insulated Glass, Add	153.98	
08 52 16 00-0599	35-15/16" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) ^(08 52 16 00-0544)		
08 52 16 00-0600	EA 31-1/2" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	620.01	68.69
	For Tempered Clear Insulated Glass, Add	96.53	
08 52 16 00-0601	EA 35-15/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	679.25	71.26
	For Tempered Clear Insulated Glass, Add	107.35	
08 52 16 00-0602	EA 40-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	728.91	74.47
	For Tempered Clear Insulated Glass, Add	116.00	
08 52 16 00-0603	EA 48" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	804.05	79.60
	For Tempered Clear Insulated Glass, Add	128.97	
08 52 16 00-0604	EA 52-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	852.42	82.17
	For Tempered Clear Insulated Glass, Add	137.62	
08 52 16 00-0605	EA 59-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	924.47	87.30
	For Tempered Clear Insulated Glass, Add	150.23	
08 52 16 00-0606	EA 64-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	974.15	89.87
	For Tempered Clear Insulated Glass, Add	158.88	
08 52 16 00-0607	EA 71-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	1,046.19	94.37
	For Tempered Clear Insulated Glass, Add	171.49	
08 52 16 00-0608	Awning Wood Clad Windows (Andersen 400 Series) ^(08 52 16 00-0459)		
	Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0609	Venting, Awning Wood Clad Windows (Andersen 400 Series) ^(08 52 16 00-0608)		
08 52 16 00-0610	17" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) ^(08 52 16 00-0609)		
08 52 16 00-0611	EA 24-1/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series).....	570.84	52.64
	For Tempered Low-E Insulated Glass, Add	93.11	
08 52 16 00-0612	EA 28-3/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series).....	612.01	55.21
	For Tempered Low-E Insulated Glass, Add	100.32	
08 52 16 00-0613	EA 31-1/2" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series).....	645.80	57.13
	For Tempered Low-E Insulated Glass, Add	106.31	
08 52 16 00-0614	EA 35-15/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series).....	688.58	59.70
	For Tempered Low-E Insulated Glass, Add	113.83	
08 52 16 00-0615	EA 40-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series).....	737.78	62.91
	For Tempered Low-E Insulated Glass, Add	122.39	
08 52 16 00-0616	EA 48" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series).....	813.38	68.05
	For Tempered Low-E Insulated Glass, Add	135.46	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0617	EA		52-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series).....	861.30	70.61
			<i>For Tempered Low-E Insulated Glass, Add</i>	144.01	
08 52 16 00-0618	EA		59-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series).....	931.09	75.74
			<i>For Tempered Low-E Insulated Glass, Add</i>	156.18	
08 52 16 00-0619	EA		64-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series).....	956.79	78.32
			<i>For Tempered Low-E Insulated Glass, Add</i>	160.03	
08 52 16 00-0620	EA		71-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series).....	1,025.82	82.81
			<i>For Tempered Low-E Insulated Glass, Add</i>	172.04	
08 52 16 00-0621 20-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0609)					
08 52 16 00-0622	EA		24-1/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series).....	602.83	55.21
			<i>For Tempered Low-E Insulated Glass, Add</i>	98.74	
08 52 16 00-0623	EA		28-3/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series).....	647.39	57.78
			<i>For Tempered Low-E Insulated Glass, Add</i>	106.63	
08 52 16 00-0624	EA		31-1/2" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series).....	676.40	59.05
			<i>For Tempered Low-E Insulated Glass, Add</i>	111.66	
08 52 16 00-0625	EA		35-15/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series).....	723.95	61.63
			<i>For Tempered Low-E Insulated Glass, Add</i>	120.14	
08 52 16 00-0626	EA		40-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series).....	773.16	65.48
			<i>For Tempered Low-E Insulated Glass, Add</i>	128.70	
08 52 16 00-0627	EA		48" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series).....	846.50	69.97
			<i>For Tempered Low-E Insulated Glass, Add</i>	141.31	
08 52 16 00-0628	EA		52-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series).....	894.43	73.18
			<i>For Tempered Low-E Insulated Glass, Add</i>	149.87	
08 52 16 00-0629	EA		59-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series).....	966.48	77.03
			<i>For Tempered Low-E Insulated Glass, Add</i>	162.48	
08 52 16 00-0630	EA		64-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series).....	989.54	80.88
			<i>For Tempered Low-E Insulated Glass, Add</i>	165.81	
08 52 16 00-0631	EA		71-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series).....	1,060.80	84.74
			<i>For Tempered Low-E Insulated Glass, Add</i>	178.27	
08 52 16 00-0632	EA		84-5/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series).....	1,649.48	93.72
			<i>For Tempered Low-E Insulated Glass, Add</i>	292.66	
08 52 16 00-0633 24-1/8" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0609)					
08 52 16 00-0634	EA		24-1/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series).....	642.89	57.78
			<i>For Tempered Low-E Insulated Glass, Add</i>	105.73	
08 52 16 00-0635	EA		28-3/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series).....	684.08	60.34
			<i>For Tempered Low-E Insulated Glass, Add</i>	112.93	
08 52 16 00-0636	EA		31-1/2" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series).....	712.09	61.63
			<i>For Tempered Low-E Insulated Glass, Add</i>	117.77	
08 52 16 00-0637	EA		35-15/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series).....	760.62	64.19
			<i>For Tempered Low-E Insulated Glass, Add</i>	126.45	
08 52 16 00-0638	EA		40-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series).....	809.84	68.05
			<i>For Tempered Low-E Insulated Glass, Add</i>	135.01	
08 52 16 00-0639	EA		48" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series).....	885.42	72.53
			<i>For Tempered Low-E Insulated Glass, Add</i>	148.07	
08 52 16 00-0640	EA		52-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series).....	933.35	75.74
			<i>For Tempered Low-E Insulated Glass, Add</i>	156.63	
08 52 16 00-0641	EA		59-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series).....	1,005.40	79.60
			<i>For Tempered Low-E Insulated Glass, Add</i>	169.24	
08 52 16 00-0642	EA		64-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series).....	1,025.82	83.45
			<i>For Tempered Low-E Insulated Glass, Add</i>	172.04	
08 52 16 00-0643	EA		71-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series).....	1,094.76	87.30
			<i>For Tempered Low-E Insulated Glass, Add</i>	184.03	
08 52 16 00-0644	EA		84-5/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series).....	1,736.76	96.29
			<i>For Tempered Low-E Insulated Glass, Add</i>	309.09	
08 52 16 00-0645 28-3/8" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0609)					
08 52 16 00-0646	EA		24-1/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series).....	641.28	60.34
			<i>For Tempered Low-E Insulated Glass, Add</i>	104.37	
08 52 16 00-0647	EA		28-3/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series).....	704.97	62.91
			<i>For Tempered Low-E Insulated Glass, Add</i>	116.09	
08 52 16 00-0648	EA		31-1/2" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series).....	745.88	64.19
			<i>For Tempered Low-E Insulated Glass, Add</i>	123.50	
08 52 16 00-0649	EA		35-15/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series).....	822.06	66.76
			<i>For Tempered Low-E Insulated Glass, Add</i>	137.71	
08 52 16 00-0650	EA		40-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series).....	898.30	70.61
			<i>For Tempered Low-E Insulated Glass, Add</i>	151.67	
08 52 16 00-0651	EA		48" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series).....	1,009.92	75.11
			<i>For Tempered Low-E Insulated Glass, Add</i>	171.94	
08 52 16 00-0652	EA		52-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series).....	1,082.63	78.32
			<i>For Tempered Low-E Insulated Glass, Add</i>	185.46	
08 52 16 00-0653	EA		59-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series).....	1,192.96	82.17
			<i>For Tempered Low-E Insulated Glass, Add</i>	205.73	
08 52 16 00-0654	EA		64-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series).....	1,233.31	86.02
			<i>For Tempered Low-E Insulated Glass, Add</i>	212.51	
08 52 16 00-0655	EA		71-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series).....	1,536.30	89.87
			<i>For Tempered Low-E Insulated Glass, Add</i>	271.31	
08 52 16 00-0656	EA		84-5/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series).....	1,784.09	98.86
			<i>For Tempered Low-E Insulated Glass, Add</i>	317.53	

08 Openings**08 50 Windows****08 52 Wood Windows**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 52 16 00-0657 31-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0609)			
08 52 16 00-0658	EA 28-3/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series).....	745.88	64.19
	<i>For Tempered Low-E Insulated Glass, Add</i>	123.50	
08 52 16 00-0659	EA 31-1/2" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series).....	789.85	66.12
	<i>For Tempered Low-E Insulated Glass, Add</i>	131.52	
08 52 16 00-0660	EA 35-15/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series).....	850.37	68.69
	<i>For Tempered Low-E Insulated Glass, Add</i>	142.60	
08 52 16 00-0661	EA 40-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series).....	917.92	71.90
	<i>For Tempered Low-E Insulated Glass, Add</i>	154.83	
08 52 16 00-0662	EA 48" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series).....	1,016.05	77.03
	<i>For Tempered Low-E Insulated Glass, Add</i>	172.40	
08 52 16 00-0663	EA 52-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series).....	1,084.23	79.60
	<i>For Tempered Low-E Insulated Glass, Add</i>	185.01	
08 52 16 00-0664	EA 59-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series).....	1,181.09	84.74
	<i>For Tempered Low-E Insulated Glass, Add</i>	202.58	
08 52 16 00-0665	EA 64-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series).....	1,248.63	87.30
	<i>For Tempered Low-E Insulated Glass, Add</i>	214.80	
08 52 16 00-0666	EA 71-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series).....	1,347.39	91.80
	<i>For Tempered Low-E Insulated Glass, Add</i>	232.76	
08 52 16 00-0667	EA 84-5/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series).....	1,904.08	100.14
	<i>For Tempered Low-E Insulated Glass, Add</i>	340.76	
08 52 16 00-0668 35-15/16" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0609)			
08 52 16 00-0669	EA 31-1/2" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series).....	850.37	68.69
	<i>For Tempered Low-E Insulated Glass, Add</i>	142.60	
08 52 16 00-0670	EA 35-15/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series).....	936.91	71.26
	<i>For Tempered Low-E Insulated Glass, Add</i>	158.88	
08 52 16 00-0671	EA 40-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series).....	1,013.15	74.47
	<i>For Tempered Low-E Insulated Glass, Add</i>	172.84	
08 52 16 00-0672	EA 48" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series).....	1,124.77	79.60
	<i>For Tempered Low-E Insulated Glass, Add</i>	193.11	
08 52 16 00-0673	EA 52-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series).....	1,199.72	82.17
	<i>For Tempered Low-E Insulated Glass, Add</i>	207.08	
08 52 16 00-0674	EA 59-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series).....	1,307.81	87.30
	<i>For Tempered Low-E Insulated Glass, Add</i>	226.90	
08 52 16 00-0675	EA 64-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series).....	1,137.79	89.87
	<i>For Tempered Low-E Insulated Glass, Add</i>	191.61	
08 52 16 00-0676	EA 71-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series).....	1,222.38	94.37
	<i>For Tempered Low-E Insulated Glass, Add</i>	206.73	
08 52 16 00-0677 40-3/4" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0609)			
08 52 16 00-0678	EA 35-15/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 400 Series).....	993.21	74.47
	<i>For Tempered Low-E Insulated Glass, Add</i>	170.14	
08 52 16 00-0679	EA 40-13/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 400 Series).....	1,131.53	79.60
	<i>For Tempered Low-E Insulated Glass, Add</i>	194.47	
08 52 16 00-0680 48" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0609)			
08 52 16 00-0681	EA 35-15/16" x 48", Venting, Awning Wood Clad Window (Andersen 400 Series).....	1,192.34	79.60
	<i>For Tempered Low-E Insulated Glass, Add</i>	206.63	
08 52 16 00-0682	EA 40-13/16" x 48", Venting, Awning Wood Clad Window (Andersen 400 Series).....	1,322.63	83.45
	<i>For Tempered Low-E Insulated Glass, Add</i>	231.40	
08 52 16 00-0683	EA 48" x 48", Venting, Awning Wood Clad Window (Andersen 400 Series).....	1,513.09	87.95
	<i>For Tempered Low-E Insulated Glass, Add</i>	267.44	
08 52 16 00-0684 59-13/16" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0609)			
08 52 16 00-0685	EA 35-15/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 400 Series).....	1,480.75	86.66
	<i>For Tempered Low-E Insulated Glass, Add</i>	261.49	
08 52 16 00-0686	EA 40-13/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 400 Series).....	1,594.75	89.87
	<i>For Tempered Low-E Insulated Glass, Add</i>	283.00	
08 52 16 00-0687 71-7/8" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0609)			
08 52 16 00-0688	EA 24-1/8" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series).....	1,621.88	87.30
	<i>For Tempered Low-E Insulated Glass, Add</i>	289.45	
08 52 16 00-0689	EA 35-15/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series).....	1,677.06	94.37
	<i>For Tempered Low-E Insulated Glass, Add</i>	297.67	
08 52 16 00-0690	EA 40-13/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series).....	1,858.47	97.57
	<i>For Tempered Low-E Insulated Glass, Add</i>	332.66	
08 52 16 00-0691	EA 48" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series).....	2,043.30	102.71
	<i>For Tempered Low-E Insulated Glass, Add</i>	367.58	
08 52 16 00-0692 Stationary, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0609)			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 52 16 00-0693 17" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series)

08 52 16 00-0694	EA	24-1/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	501.02	52.64
		For Tempered Low-E Insulated Glass, Add	79.15	
08 52 16 00-0695	EA	28-3/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	539.94	55.21
		For Tempered Low-E Insulated Glass, Add	85.91	
08 52 16 00-0696	EA	31-1/2" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	565.57	57.13
		For Tempered Low-E Insulated Glass, Add	90.26	
08 52 16 00-0697	EA	35-15/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	607.50	59.70
		For Tempered Low-E Insulated Glass, Add	97.62	
08 52 16 00-0698	EA	40-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	652.20	62.91
		For Tempered Low-E Insulated Glass, Add	105.28	
08 52 16 00-0699	EA	48" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	721.04	68.05
		For Tempered Low-E Insulated Glass, Add	116.99	
08 52 16 00-0700	EA	52-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	762.20	70.61
		For Tempered Low-E Insulated Glass, Add	124.19	
08 52 16 00-0701	EA	59-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	827.49	75.74
		For Tempered Low-E Insulated Glass, Add	135.46	
08 52 16 00-0702	EA	64-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	872.20	78.32
		For Tempered Low-E Insulated Glass, Add	143.11	
08 52 16 00-0703	EA	71-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	937.49	82.81
		For Tempered Low-E Insulated Glass, Add	154.37	

08 52 16 00-0704 20-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series)

08 52 16 00-0705	EA	24-1/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	531.90	55.21
		For Tempered Low-E Insulated Glass, Add	84.55	
08 52 16 00-0706	EA	28-3/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	570.82	57.78
		For Tempered Low-E Insulated Glass, Add	91.31	
08 52 16 00-0707	EA	31-1/2" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	594.26	59.05
		For Tempered Low-E Insulated Glass, Add	95.23	
08 52 16 00-0708	EA	35-15/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	640.62	61.63
		For Tempered Low-E Insulated Glass, Add	103.47	
08 52 16 00-0709	EA	40-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	685.33	65.48
		For Tempered Low-E Insulated Glass, Add	111.13	
08 52 16 00-0710	EA	48" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	751.90	69.97
		For Tempered Low-E Insulated Glass, Add	122.39	
08 52 16 00-0711	EA	52-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	795.33	73.18
		For Tempered Low-E Insulated Glass, Add	130.05	
08 52 16 00-0712	EA	59-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	858.37	77.03
		For Tempered Low-E Insulated Glass, Add	140.86	
08 52 16 00-0713	EA	64-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	905.33	80.88
		For Tempered Low-E Insulated Glass, Add	148.97	
08 52 16 00-0714	EA	71-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	968.37	84.74
		For Tempered Low-E Insulated Glass, Add	159.78	

08 52 16 00-0715 24-1/8" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series)

08 52 16 00-0716	EA	24-1/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	566.31	57.78
		For Tempered Low-E Insulated Glass, Add	90.41	
08 52 16 00-0717	EA	28-3/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	605.25	60.34
		For Tempered Low-E Insulated Glass, Add	97.17	
08 52 16 00-0718	EA	31-1/2" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	626.13	61.63
		For Tempered Low-E Insulated Glass, Add	100.58	
08 52 16 00-0719	EA	35-15/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	672.78	64.19
		For Tempered Low-E Insulated Glass, Add	108.88	
08 52 16 00-0720	EA	40-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	717.49	68.05
		For Tempered Low-E Insulated Glass, Add	116.54	
08 52 16 00-0721	EA	48" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	784.07	72.53
		For Tempered Low-E Insulated Glass, Add	127.80	
08 52 16 00-0722	EA	52-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	827.49	75.74
		For Tempered Low-E Insulated Glass, Add	135.46	
08 52 16 00-0723	EA	59-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	892.79	79.60
		For Tempered Low-E Insulated Glass, Add	146.72	
08 52 16 00-0724	EA	64-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	937.49	83.45
		For Tempered Low-E Insulated Glass, Add	154.37	
08 52 16 00-0725	EA	71-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,002.79	87.30
		For Tempered Low-E Insulated Glass, Add	165.64	

08 52 16 00-0726 28-3/8" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series)

08 52 16 00-0727	EA	24-1/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	569.21	60.34
		For Tempered Low-E Insulated Glass, Add	89.96	
08 52 16 00-0728	EA	28-3/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	621.64	62.91
		For Tempered Low-E Insulated Glass, Add	99.42	
08 52 16 00-0729	EA	31-1/2" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	650.38	64.19
		For Tempered Low-E Insulated Glass, Add	104.40	
08 52 16 00-0730	EA	35-15/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	677.91	66.76
		For Tempered Low-E Insulated Glass, Add	108.88	
08 52 16 00-0731	EA	40-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	776.68	70.61
		For Tempered Low-E Insulated Glass, Add	127.35	
08 52 16 00-0732	EA	48" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	865.78	75.11
		For Tempered Low-E Insulated Glass, Add	143.11	

08	08	Openings
	08 50	Windows
	08 52	Wood Windows



		MINOR			TOTAL DIRECT	DEMOLITION
		CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 52 16 00-0733	EA	52-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)		.....	924.97	78.32
		For Tempered Low-E Insulated Glass, Add		.....	153.92	
08 52 16 00-0734	EA	59-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)		.....	1,012.78	82.17
		For Tempered Low-E Insulated Glass, Add		.....	169.69	
08 52 16 00-0735	EA	64-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)		.....	1,075.51	86.02
		For Tempered Low-E Insulated Glass, Add		.....	180.95	
08 52 16 00-0736	EA	71-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)		.....	1,163.34	89.87
		For Tempered Low-E Insulated Glass, Add		.....	196.72	
08 52 16 00-0737		31-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0692)				
08 52 16 00-0738	EA	28-3/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)		.....	650.38	64.19
		For Tempered Low-E Insulated Glass, Add		.....	104.40	
08 52 16 00-0739	EA	31-1/2" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)		.....	686.70	66.12
		For Tempered Low-E Insulated Glass, Add		.....	110.89	
08 52 16 00-0740	EA	35-15/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)		.....	735.76	68.69
		For Tempered Low-E Insulated Glass, Add		.....	119.68	
08 52 16 00-0741	EA	40-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)		.....	791.85	71.90
		For Tempered Low-E Insulated Glass, Add		.....	129.61	
08 52 16 00-0742	EA	48" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)		.....	872.79	77.03
		For Tempered Low-E Insulated Glass, Add		.....	143.75	
08 52 16 00-0743	EA	52-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)		.....	927.60	79.60
		For Tempered Low-E Insulated Glass, Add		.....	153.68	
08 52 16 00-0744	EA	59-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)		.....	1,007.26	84.74
		For Tempered Low-E Insulated Glass, Add		.....	167.81	
08 52 16 00-0745	EA	64-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)		.....	1,061.44	87.30
		For Tempered Low-E Insulated Glass, Add		.....	177.37	
08 52 16 00-0746	EA	71-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)		.....	1,141.09	91.80
		For Tempered Low-E Insulated Glass, Add		.....	191.50	
08 52 16 00-0747		35-15/16" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0692)				
08 52 16 00-0748	EA	31-1/2" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)		.....	735.76	68.69
		For Tempered Low-E Insulated Glass, Add		.....	119.68	
08 52 16 00-0749	EA	35-15/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)		.....	808.53	71.26
		For Tempered Low-E Insulated Glass, Add		.....	133.20	
08 52 16 00-0750	EA	40-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)		.....	869.00	74.47
		For Tempered Low-E Insulated Glass, Add		.....	144.01	
08 52 16 00-0751	EA	48" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)		.....	960.35	79.60
		For Tempered Low-E Insulated Glass, Add		.....	160.23	
08 52 16 00-0752	EA	52-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)		.....	1,019.54	82.17
		For Tempered Low-E Insulated Glass, Add		.....	171.04	
08 52 16 00-0753	EA	59-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)		.....	1,107.36	87.30
		For Tempered Low-E Insulated Glass, Add		.....	186.81	
08 52 16 00-0754	EA	64-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)		.....	1,167.84	89.87
		For Tempered Low-E Insulated Glass, Add		.....	197.62	
08 52 16 00-0755	EA	71-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)		.....	1,255.65	94.37
		For Tempered Low-E Insulated Glass, Add		.....	213.38	
08 52 16 00-0756		Horizontal Sliding Wood Clad Windows (08 52 16)				
		Note: Sliding windows open horizontally with one or more operating sashes combined with stationary sashes				
08 52 16 00-0757		One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0756)				
		Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.				
08 52 16 00-0758		17-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0757)				
08 52 16 00-0759	EA	47-1/2" x 17-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)		.....	597.35	68.05
		For Tempered Clear Insulated Glass, Add		.....	92.51	
08 52 16 00-0760		23-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0757)				
08 52 16 00-0761	EA	35-1/2" x 23-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)		.....	549.62	62.91
		For Tempered Clear Insulated Glass, Add		.....	84.50	
08 52 16 00-0762	EA	47-1/2" x 23-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)		.....	642.86	71.90
		For Tempered Clear Insulated Glass, Add		.....	100.07	
08 52 16 00-0763		35-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0757)				
08 52 16 00-0764	EA	35-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)		.....	642.86	71.90
		For Tempered Clear Insulated Glass, Add		.....	100.07	
08 52 16 00-0765	EA	47-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)		.....	736.10	79.60
		For Tempered Clear Insulated Glass, Add		.....	115.64	
08 52 16 00-0766	EA	59-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)		.....	829.33	86.66
		For Tempered Clear Insulated Glass, Add		.....	131.20	
08 52 16 00-0767	EA	71-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)		.....	922.57	94.37
		For Tempered Clear Insulated Glass, Add		.....	146.77	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
08 52 16 00-0768			41-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0757)		
08 52 16 00-0769	EA		35-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	690.58	75.74
			<i>For Tempered Clear Insulated Glass, Add</i>	108.07	
08 52 16 00-0770	EA		47-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	781.60	83.45
			<i>For Tempered Clear Insulated Glass, Add</i>	123.20	
08 52 16 00-0771	EA		59-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	874.83	90.51
			<i>For Tempered Clear Insulated Glass, Add</i>	138.76	
08 52 16 00-0772	EA		71-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	1,045.92	98.22
			<i>For Tempered Clear Insulated Glass, Add</i>	169.90	
08 52 16 00-0773			47-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0757)		
08 52 16 00-0774	EA		35-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	736.10	79.60
			<i>For Tempered Clear Insulated Glass, Add</i>	115.64	
08 52 16 00-0775	EA		47-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	829.33	87.30
			<i>For Tempered Clear Insulated Glass, Add</i>	131.20	
08 52 16 00-0776	EA		59-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	922.57	94.37
			<i>For Tempered Clear Insulated Glass, Add</i>	146.77	
08 52 16 00-0777	EA		71-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	1,015.80	102.07
			<i>For Tempered Clear Insulated Glass, Add</i>	162.33	
08 52 16 00-0778			53-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0757)		
08 52 16 00-0779	EA		47-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	874.83	91.16
			<i>For Tempered Clear Insulated Glass, Add</i>	138.76	
08 52 16 00-0780	EA		59-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	968.09	98.22
			<i>For Tempered Clear Insulated Glass, Add</i>	154.33	
08 52 16 00-0781	EA		71-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	1,061.32	105.92
			<i>For Tempered Clear Insulated Glass, Add</i>	169.90	
08 52 16 00-0782			59-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0757)		
08 52 16 00-0783	EA		47-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	922.57	95.01
			<i>For Tempered Clear Insulated Glass, Add</i>	146.77	
08 52 16 00-0784	EA		59-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	1,015.80	102.07
			<i>For Tempered Clear Insulated Glass, Add</i>	162.33	
08 52 16 00-0785	EA		71-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	1,109.22	109.77
			<i>For Tempered Clear Insulated Glass, Add</i>	177.94	
08 52 16 00-0786			Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0756)		
			Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0787			22-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0786)		
08 52 16 00-0788	EA		35-1/4" x 22-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,329.93	62.91
			<i>For Tempered Low-E Insulated Glass, Add</i>	240.57	
08 52 16 00-0789	EA		47-1/4" x 22-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,583.28	71.90
			<i>For Tempered Low-E Insulated Glass, Add</i>	288.15	
08 52 16 00-0790			35-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0786)		
08 52 16 00-0791	EA		35-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,603.30	71.90
			<i>For Tempered Low-E Insulated Glass, Add</i>	292.16	
08 52 16 00-0792	EA		47-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,858.87	79.60
			<i>For Tempered Low-E Insulated Glass, Add</i>	340.19	
08 52 16 00-0793	EA		59-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	2,112.21	86.66
			<i>For Tempered Low-E Insulated Glass, Add</i>	387.78	
08 52 16 00-0794	EA		71-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	2,365.57	94.37
			<i>For Tempered Low-E Insulated Glass, Add</i>	435.37	
08 52 16 00-0795			41-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0786)		
08 52 16 00-0796	EA		35-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,731.08	75.74
			<i>For Tempered Low-E Insulated Glass, Add</i>	316.17	
08 52 16 00-0797	EA		47-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,984.43	83.45
			<i>For Tempered Low-E Insulated Glass, Add</i>	363.76	
08 52 16 00-0798	EA		59-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	2,240.00	90.51
			<i>For Tempered Low-E Insulated Glass, Add</i>	411.80	
08 52 16 00-0799	EA		71-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	2,493.36	98.22
			<i>For Tempered Low-E Insulated Glass, Add</i>	459.38	
08 52 16 00-0800			47-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0786)		

08	08	Openings
	08 50	Windows
	08 52	Wood Windows

MINOR		TOTAL DIRECT		DEMOLITION
CSI UOM DESCRIPTION		UNIT COST		UNIT COST
08 52 16 00-0801	EA 35-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,858.87		79.60
	For Tempered Low-E Insulated Glass, Add	340.19		
08 52 16 00-0802	EA 47-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	2,112.21		87.30
	For Tempered Low-E Insulated Glass, Add	387.78		
08 52 16 00-0803	EA 59-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	2,365.57		94.37
	For Tempered Low-E Insulated Glass, Add	435.37		
08 52 16 00-0804	EA 71-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	2,621.13		102.07
	For Tempered Low-E Insulated Glass, Add	483.40		
08 52 16 00-0805	59-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0786)			
08 52 16 00-0806	EA 35-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	2,112.21		87.30
	For Tempered Low-E Insulated Glass, Add	387.78		
08 52 16 00-0807	EA 47-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	2,365.57		95.01
	For Tempered Low-E Insulated Glass, Add	435.37		
08 52 16 00-0808	EA 59-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	2,621.13		102.07
	For Tempered Low-E Insulated Glass, Add	483.40		
08 52 16 00-0809	EA 71-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	2,874.49		109.77
	For Tempered Low-E Insulated Glass, Add	530.99		
08 52 16 00-0810	Picture Wood Clad Windows (08 52 16)			
	Note: Picture windows are fixed windows.			
08 52 16 00-0811	Picture Wood Clad Windows For Awning And Casement Windows (08 52 16 00-0810)			
08 52 16 00-0812	Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) (08 52 16 00-0811)			
	Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.			
08 52 16 00-0813	12" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) (08 52 16 00-0812)			
08 52 16 00-0814	EA 40-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	469.66		51.36
	For Tempered Clear Insulated Glass, Add	73.39		
08 52 16 00-0815	EA 48" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	549.44		56.49
	For Tempered Clear Insulated Glass, Add	87.29		
08 52 16 00-0816	EA 52-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	583.67		59.05
	For Tempered Clear Insulated Glass, Add	93.11		
08 52 16 00-0817	EA 59-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	633.07		64.19
	For Tempered Clear Insulated Glass, Add	101.19		
08 52 16 00-0818	EA 64-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	666.97		66.76
	For Tempered Clear Insulated Glass, Add	106.69		
08 52 16 00-0819	EA 71-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	716.37		71.90
	For Tempered Clear Insulated Glass, Add	114.77		
08 52 16 00-0820	35-15/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) (08 52 16 00-0821)			
08 52 16 00-0821	EA 35-15/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	521.70		62.91
	For Tempered Clear Insulated Glass, Add	79.18		
08 52 16 00-0822	EA 40-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	602.92		66.76
	For Tempered Clear Insulated Glass, Add	94.14		
08 52 16 00-0823	EA 48" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	722.65		71.26
	For Tempered Clear Insulated Glass, Add	116.03		
08 52 16 00-0824	EA 52-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	800.75		73.82
	For Tempered Clear Insulated Glass, Add	130.62		
08 52 16 00-0825	EA 59-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	917.38		78.32
	For Tempered Clear Insulated Glass, Add	152.15		
08 52 16 00-0826	EA 64-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	998.61		81.53
	For Tempered Clear Insulated Glass, Add	167.11		
08 52 16 00-0827	EA 71-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,480.09		86.02
	For Tempered Clear Insulated Glass, Add	261.61		
08 52 16 00-0828	40-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) (08 52 16 00-0829)			
08 52 16 00-0829	EA 35-15/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	602.92		66.76
	For Tempered Clear Insulated Glass, Add	94.14		
08 52 16 00-0830	EA 40-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	684.14		69.33
	For Tempered Clear Insulated Glass, Add	109.10		
08 52 16 00-0831	EA 48" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	803.87		74.47
	For Tempered Clear Insulated Glass, Add	130.99		
08 52 16 00-0832	EA 52-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	881.97		77.03
	For Tempered Clear Insulated Glass, Add	145.58		
08 52 16 00-0833	EA 59-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	998.61		82.17
	For Tempered Clear Insulated Glass, Add	167.11		
08 52 16 00-0834	EA 64-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,079.82		84.74
	For Tempered Clear Insulated Glass, Add	182.07		
08 52 16 00-0835	EA 71-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,196.44		89.87
	For Tempered Clear Insulated Glass, Add	203.60		
08 52 16 00-0836	48" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) (08 52 16 00-0832)			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0837	EA		35-15/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	722.65	71.90
			For Tempered Clear Insulated Glass, Add	116.03	
08 52 16 00-0838	EA		40-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	803.87	74.47
			For Tempered Clear Insulated Glass, Add	130.99	
08 52 16 00-0839	EA		48" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	923.60	79.60
			For Tempered Clear Insulated Glass, Add	152.88	
08 52 16 00-0840	EA		52-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,001.70	82.17
			For Tempered Clear Insulated Glass, Add	167.47	
08 52 16 00-0841	EA		59-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,118.33	87.30
			For Tempered Clear Insulated Glass, Add	189.00	
08 52 16 00-0842	EA		64-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,199.56	89.87
			For Tempered Clear Insulated Glass, Add	203.96	
08 52 16 00-0843	EA		71-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,316.17	95.01
			For Tempered Clear Insulated Glass, Add	225.49	
08 52 16 00-0844 52-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) (08 52 16 00-0812)					
08 52 16 00-0845	EA		35-15/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	800.75	74.47
			For Tempered Clear Insulated Glass, Add	130.62	
08 52 16 00-0846	EA		40-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	881.97	77.03
			For Tempered Clear Insulated Glass, Add	145.58	
08 52 16 00-0847	EA		48" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,001.70	82.17
			For Tempered Clear Insulated Glass, Add	167.47	
08 52 16 00-0848	EA		52-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,079.82	84.74
			For Tempered Clear Insulated Glass, Add	182.07	
08 52 16 00-0849	EA		59-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,196.44	89.87
			For Tempered Clear Insulated Glass, Add	203.60	
08 52 16 00-0850	EA		64-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,277.66	92.44
			For Tempered Clear Insulated Glass, Add	218.56	
08 52 16 00-0851	EA		71-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,501.91	97.57
			For Tempered Clear Insulated Glass, Add	261.61	
08 52 16 00-0852 59-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) (08 52 16 00-0812)					
08 52 16 00-0853	EA		35-15/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	917.38	78.32
			For Tempered Clear Insulated Glass, Add	152.15	
08 52 16 00-0854	EA		40-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	998.61	82.17
			For Tempered Clear Insulated Glass, Add	167.11	
08 52 16 00-0855	EA		48" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,118.33	86.66
			For Tempered Clear Insulated Glass, Add	189.00	
08 52 16 00-0856	EA		52-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,196.44	89.22
			For Tempered Clear Insulated Glass, Add	203.60	
08 52 16 00-0857	EA		59-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,313.06	93.72
			For Tempered Clear Insulated Glass, Add	225.12	
08 52 16 00-0858	EA		64-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,394.28	96.93
			For Tempered Clear Insulated Glass, Add	240.08	
08 52 16 00-0859	EA		71-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,510.90	101.43
			For Tempered Clear Insulated Glass, Add	261.61	
08 52 16 00-0860 64-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) (08 52 16 00-0812)					
08 52 16 00-0861	EA		35-15/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	998.61	82.17
			For Tempered Clear Insulated Glass, Add	167.11	
08 52 16 00-0862	EA		40-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,079.82	84.74
			For Tempered Clear Insulated Glass, Add	182.07	
08 52 16 00-0863	EA		48" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,199.56	89.87
			For Tempered Clear Insulated Glass, Add	203.96	
08 52 16 00-0864	EA		52-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,277.66	92.44
			For Tempered Clear Insulated Glass, Add	218.56	
08 52 16 00-0865	EA		59-7/8" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,501.91	97.57
			For Tempered Clear Insulated Glass, Add	261.61	
08 52 16 00-0866 71-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) (08 52 16 00-0812)					
08 52 16 00-0867	EA		35-15/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,115.22	86.02
			For Tempered Clear Insulated Glass, Add	188.64	
08 52 16 00-0868	EA		40-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,196.44	89.87
			For Tempered Clear Insulated Glass, Add	203.60	
08 52 16 00-0869	EA		48" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,316.17	94.37
			For Tempered Clear Insulated Glass, Add	225.49	
08 52 16 00-0870	EA		52-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,394.28	96.93
			For Tempered Clear Insulated Glass, Add	240.08	
08 52 16 00-0871	EA		59-7/8" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,510.90	101.43
			For Tempered Clear Insulated Glass, Add	261.61	
08 52 16 00-0872 Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-0811)					
Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.					

08 Openings**08 50 Windows****08 52 Wood Windows**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 52 16 00-0873	12" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-0872)		
08 52 16 00-0874	EA 40-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	555.73	51.36
	For Tempered Low-E Insulated Glass, Add	90.60	
08 52 16 00-0875	EA 48" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	651.82	56.49
	For Tempered Low-E Insulated Glass, Add	107.77	
08 52 16 00-0876	EA 52-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	692.88	59.05
	For Tempered Low-E Insulated Glass, Add	114.95	
08 52 16 00-0877	EA 59-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	751.75	64.19
	For Tempered Low-E Insulated Glass, Add	124.93	
08 52 16 00-0878	EA 64-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	792.10	66.76
	For Tempered Low-E Insulated Glass, Add	131.72	
08 52 16 00-0879	EA 71-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	850.98	71.90
	For Tempered Low-E Insulated Glass, Add	141.69	
08 52 16 00-0880	35-15/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-0872)		
08 52 16 00-0881	EA 35-15/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	614.56	62.91
	For Tempered Low-E Insulated Glass, Add	97.75	
08 52 16 00-0882	EA 40-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	713.33	66.76
	For Tempered Low-E Insulated Glass, Add	116.22	
08 52 16 00-0883	EA 48" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	858.73	71.26
	For Tempered Low-E Insulated Glass, Add	143.24	
08 52 16 00-0884	EA 52-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	953.95	73.82
	For Tempered Low-E Insulated Glass, Add	161.26	
08 52 16 00-0885	EA 59-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,095.83	78.32
	For Tempered Low-E Insulated Glass, Add	187.84	
08 52 16 00-0886	EA 64-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,194.60	81.53
	For Tempered Low-E Insulated Glass, Add	206.31	
08 52 16 00-0887	EA 71-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,786.92	86.02
	For Tempered Low-E Insulated Glass, Add	322.98	
08 52 16 00-0888	40-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-0872)		
08 52 16 00-0889	EA 35-15/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	713.33	66.76
	For Tempered Low-E Insulated Glass, Add	116.22	
08 52 16 00-0890	EA 40-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	812.09	69.33
	For Tempered Low-E Insulated Glass, Add	134.69	
08 52 16 00-0891	EA 48" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	957.50	74.47
	For Tempered Low-E Insulated Glass, Add	161.71	
08 52 16 00-0892	EA 52-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,052.72	77.03
	For Tempered Low-E Insulated Glass, Add	179.73	
08 52 16 00-0893	EA 59-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,194.60	82.17
	For Tempered Low-E Insulated Glass, Add	206.31	
08 52 16 00-0894	EA 64-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,293.35	84.74
	For Tempered Low-E Insulated Glass, Add	224.78	
08 52 16 00-0895	EA 71-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,435.23	89.87
	For Tempered Low-E Insulated Glass, Add	251.35	
08 52 16 00-0896	48" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-0872)		
08 52 16 00-0897	EA 35-15/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	858.73	71.90
	For Tempered Low-E Insulated Glass, Add	143.24	
08 52 16 00-0898	EA 40-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	957.50	74.47
	For Tempered Low-E Insulated Glass, Add	161.71	
08 52 16 00-0899	EA 48" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,102.90	79.60
	For Tempered Low-E Insulated Glass, Add	188.74	
08 52 16 00-0900	EA 52-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,198.12	82.17
	For Tempered Low-E Insulated Glass, Add	206.76	
08 52 16 00-0901	EA 59-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,340.00	87.30
	For Tempered Low-E Insulated Glass, Add	233.34	
08 52 16 00-0902	EA 64-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,438.77	89.87
	For Tempered Low-E Insulated Glass, Add	251.80	
08 52 16 00-0903	EA 71-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,580.64	95.01
	For Tempered Low-E Insulated Glass, Add	278.38	
08 52 16 00-0904	52-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-0872)		
08 52 16 00-0905	EA 35-15/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	953.95	74.47
	For Tempered Low-E Insulated Glass, Add	161.26	
08 52 16 00-0906	EA 40-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,052.72	77.03
	For Tempered Low-E Insulated Glass, Add	179.73	
08 52 16 00-0907	EA 48" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,198.12	82.17
	For Tempered Low-E Insulated Glass, Add	206.76	
08 52 16 00-0908	EA 52-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,293.35	84.74
	For Tempered Low-E Insulated Glass, Add	224.78	
08 52 16 00-0909	EA 59-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,435.23	89.87
	For Tempered Low-E Insulated Glass, Add	251.35	
08 52 16 00-0910	EA 64-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,533.99	92.44
	For Tempered Low-E Insulated Glass, Add	269.82	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0911	EA		71-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,808.74 322.98	97.57
08 52 16 00-0912			59-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-0872)		
08 52 16 00-0913	EA		35-15/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,095.83 187.84	78.32
08 52 16 00-0914	EA		40-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,194.60 206.31	82.17
08 52 16 00-0915	EA		48" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,340.00 233.34	86.66
08 52 16 00-0916	EA		52-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,435.23 251.35	89.22
08 52 16 00-0917	EA		59-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,577.09 277.93	93.72
08 52 16 00-0918	EA		64-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,675.86 296.40	96.93
08 52 16 00-0919	EA		71-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,817.73 322.98	101.43
08 52 16 00-0920			64-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-0872)		
08 52 16 00-0921	EA		35-15/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,194.60 206.31	82.17
08 52 16 00-0922	EA		40-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,293.35 224.78	84.74
08 52 16 00-0923	EA		48" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,438.77 251.80	89.87
08 52 16 00-0924	EA		52-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,533.99 269.82	92.44
08 52 16 00-0925	EA		59-7/8" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,808.74 322.98	97.57
08 52 16 00-0926			71-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-0872)		
08 52 16 00-0927	EA		35-15/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,336.47 232.89	86.02
08 52 16 00-0928	EA		40-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,435.23 251.35	89.87
08 52 16 00-0929	EA		48" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,580.64 278.38	94.37
08 52 16 00-0930	EA		52-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,675.86 296.40	96.93
08 52 16 00-0931	EA		59-7/8" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,817.73 322.98	101.43
08 52 16 00-0932			Picture Wood Clad Windows For Double Hung Windows (08 52 16 00-0810)		
08 52 16 00-0933			Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) (08 52 16 00-0932) Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0934			35-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) (08 52 16 00-0933)		
08 52 16 00-0935	EA		56-1/2" x 35-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	669.38 101.78	80.24
08 52 16 00-0936	EA		59-1/2" x 35-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	687.20 104.57	82.17
08 52 16 00-0937			47-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) (08 52 16 00-0933)		
08 52 16 00-0938	EA		47-1/2" x 47-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	687.20 104.57	82.17
08 52 16 00-0939	EA		71-1/2" x 47-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	833.77 127.72	97.57
08 52 16 00-0940			53-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) (08 52 16 00-0933)		
08 52 16 00-0941	EA		56-1/2" x 53-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	780.30 119.34	91.80
08 52 16 00-0942	EA		59-1/2" x 53-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	798.12 122.14	93.72
08 52 16 00-0943			56-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) (08 52 16 00-0933)		
08 52 16 00-0944	EA		35-1/2" x 56-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	669.38 101.78	80.88

08 Openings**08 50 Windows****08 52 Wood Windows**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 52 16 00-0945	EA	53-1/2" x 56-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series).....	780.30	91.80
		<i>For Tempered Clear Insulated Glass, Add</i>	119.34	
08 52 16 00-0946		59-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) (08 52 16 00-0933)		
08 52 16 00-0947	EA	35-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series).....	687.20	82.17
		<i>For Tempered Clear Insulated Glass, Add</i>	104.57	
08 52 16 00-0948	EA	53-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series).....	798.12	93.72
		<i>For Tempered Clear Insulated Glass, Add</i>	122.14	
08 52 16 00-0949	EA	59-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series).....	833.77	97.57
		<i>For Tempered Clear Insulated Glass, Add</i>	127.72	
08 52 16 00-0950	EA	65-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series).....	871.40	101.43
		<i>For Tempered Clear Insulated Glass, Add</i>	133.71	
08 52 16 00-0951		65-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) (08 52 16 00-0933)		
08 52 16 00-0952	EA	59-1/2" x 65-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series).....	871.40	101.43
		<i>For Tempered Clear Insulated Glass, Add</i>	133.71	
08 52 16 00-0953		71-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) (08 52 16 00-0933)		
08 52 16 00-0954	EA	47-1/2" x 71-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series).....	833.77	97.57
		<i>For Tempered Clear Insulated Glass, Add</i>	127.72	
08 52 16 00-0955		Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-0932)		
		Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0956		48-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-0955)		
08 52 16 00-0957	EA	12" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	745.33	60.34
		<i>For Tempered Low-E Insulated Glass, Add</i>	124.93	
08 52 16 00-0958	EA	37-5/8" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,040.86	77.03
		<i>For Tempered Low-E Insulated Glass, Add</i>	177.62	
08 52 16 00-0959	EA	41-5/8" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,085.91	78.96
		<i>For Tempered Low-E Insulated Glass, Add</i>	185.60	
08 52 16 00-0960	EA	47-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,153.48	82.81
		<i>For Tempered Low-E Insulated Glass, Add</i>	197.57	
08 52 16 00-0961	EA	51-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,198.53	86.02
		<i>For Tempered Low-E Insulated Glass, Add</i>	205.56	
08 52 16 00-0962	EA	59-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,290.62	90.51
		<i>For Tempered Low-E Insulated Glass, Add</i>	221.92	
08 52 16 00-0963	EA	67-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,382.72	96.29
		<i>For Tempered Low-E Insulated Glass, Add</i>	238.28	
08 52 16 00-0964		52-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-0955)		
08 52 16 00-0965	EA	12" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	792.38	62.91
		<i>For Tempered Low-E Insulated Glass, Add</i>	133.31	
08 52 16 00-0966	EA	37-5/8" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,085.91	79.60
		<i>For Tempered Low-E Insulated Glass, Add</i>	185.60	
08 52 16 00-0967	EA	41-5/8" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,132.96	81.53
		<i>For Tempered Low-E Insulated Glass, Add</i>	193.98	
08 52 16 00-0968	EA	47-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,198.53	85.38
		<i>For Tempered Low-E Insulated Glass, Add</i>	205.56	
08 52 16 00-0969	EA	51-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,245.58	88.59
		<i>For Tempered Low-E Insulated Glass, Add</i>	213.94	
08 52 16 00-0970	EA	59-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,337.67	93.08
		<i>For Tempered Low-E Insulated Glass, Add</i>	230.30	
08 52 16 00-0971	EA	67-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,429.77	98.86
		<i>For Tempered Low-E Insulated Glass, Add</i>	246.67	
08 52 16 00-0972		56-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-0955)		
08 52 16 00-0973	EA	12" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	837.42	65.48
		<i>For Tempered Low-E Insulated Glass, Add</i>	141.29	
08 52 16 00-0974	EA	37-5/8" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,132.96	82.17
		<i>For Tempered Low-E Insulated Glass, Add</i>	193.98	
08 52 16 00-0975	EA	41-5/8" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,178.01	84.09
		<i>For Tempered Low-E Insulated Glass, Add</i>	201.96	
08 52 16 00-0976	EA	47-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,245.58	87.95
		<i>For Tempered Low-E Insulated Glass, Add</i>	213.94	
08 52 16 00-0977	EA	51-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,290.62	91.16
		<i>For Tempered Low-E Insulated Glass, Add</i>	221.92	
08 52 16 00-0978	EA	59-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,382.72	95.65
		<i>For Tempered Low-E Insulated Glass, Add</i>	238.28	
08 52 16 00-0979	EA	67-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,476.81	101.43
		<i>For Tempered Low-E Insulated Glass, Add</i>	255.05	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**08 52 16 00-0980 60-7/8" Height, Picture Wood Clad Windows For Double Hung Windows
(Andersen 400 Series)** (08 52 16 00-0955)

08 52 16 00-0981	EA	12" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	884.48	68.05
		<i>For Tempered Low-E Insulated Glass, Add</i>	149.68	
08 52 16 00-0982	EA	37-5/8" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,178.01	84.74
		<i>For Tempered Low-E Insulated Glass, Add</i>	201.96	
08 52 16 00-0983	EA	41-5/8" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,225.05	86.66
		<i>For Tempered Low-E Insulated Glass, Add</i>	210.35	
08 52 16 00-0984	EA	47-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,290.62	90.51
		<i>For Tempered Low-E Insulated Glass, Add</i>	221.92	
08 52 16 00-0985	EA	51-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,337.67	93.72
		<i>For Tempered Low-E Insulated Glass, Add</i>	230.30	
08 52 16 00-0986	EA	59-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,429.77	98.22
		<i>For Tempered Low-E Insulated Glass, Add</i>	246.67	
08 52 16 00-0987	EA	67-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,521.87	103.99
		<i>For Tempered Low-E Insulated Glass, Add</i>	263.03	

**08 52 16 00-0988 64-7/8" Height, Picture Wood Clad Windows For Double Hung Windows
(Andersen 400 Series)** (08 52 16 00-0955)

08 52 16 00-0989	EA	12" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	929.53	70.61
		<i>For Tempered Low-E Insulated Glass, Add</i>	157.66	
08 52 16 00-0990	EA	37-5/8" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,225.05	87.30
		<i>For Tempered Low-E Insulated Glass, Add</i>	210.35	
08 52 16 00-0991	EA	41-5/8" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,272.10	89.22
		<i>For Tempered Low-E Insulated Glass, Add</i>	218.73	
08 52 16 00-0992	EA	47-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,337.67	93.08
		<i>For Tempered Low-E Insulated Glass, Add</i>	230.30	
08 52 16 00-0993	EA	51-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,382.72	96.29
		<i>For Tempered Low-E Insulated Glass, Add</i>	238.28	
08 52 16 00-0994	EA	59-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,476.81	100.78
		<i>For Tempered Low-E Insulated Glass, Add</i>	255.05	
08 52 16 00-0995	EA	67-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,568.91	106.56
		<i>For Tempered Low-E Insulated Glass, Add</i>	271.41	

**08 52 16 00-0996 68-7/8" Height, Picture Wood Clad Windows For Double Hung Windows
(Andersen 400 Series)** (08 52 16 00-0955)

08 52 16 00-0997	EA	12" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	976.58	73.18
		<i>For Tempered Low-E Insulated Glass, Add</i>	166.04	
08 52 16 00-0998	EA	37-5/8" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,272.10	89.87
		<i>For Tempered Low-E Insulated Glass, Add</i>	218.73	
08 52 16 00-0999	EA	41-5/8" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,317.14	91.80
		<i>For Tempered Low-E Insulated Glass, Add</i>	226.71	
08 52 16 00-1000	EA	47-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,382.72	95.65
		<i>For Tempered Low-E Insulated Glass, Add</i>	238.28	
08 52 16 00-1001	EA	51-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,429.77	98.86
		<i>For Tempered Low-E Insulated Glass, Add</i>	246.67	
08 52 16 00-1002	EA	59-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,521.87	103.35
		<i>For Tempered Low-E Insulated Glass, Add</i>	263.03	
08 52 16 00-1003	EA	67-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,613.96	109.13
		<i>For Tempered Low-E Insulated Glass, Add</i>	279.40	

**08 52 16 00-1004 72-7/8" Height, Picture Wood Clad Windows For Double Hung Windows
(Andersen 400 Series)** (08 52 16 00-0955)

08 52 16 00-1005	EA	12" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,021.62	75.74
		<i>For Tempered Low-E Insulated Glass, Add</i>	174.02	
08 52 16 00-1006	EA	37-5/8" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,317.14	92.44
		<i>For Tempered Low-E Insulated Glass, Add</i>	226.71	
08 52 16 00-1007	EA	41-5/8" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,364.19	94.37
		<i>For Tempered Low-E Insulated Glass, Add</i>	235.09	
08 52 16 00-1008	EA	47-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,429.77	98.22
		<i>For Tempered Low-E Insulated Glass, Add</i>	246.67	
08 52 16 00-1009	EA	51-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,476.81	101.43
		<i>For Tempered Low-E Insulated Glass, Add</i>	255.05	
08 52 16 00-1010	EA	59-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,568.91	105.92
		<i>For Tempered Low-E Insulated Glass, Add</i>	271.41	
08 52 16 00-1011	EA	67-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,661.00	111.70
		<i>For Tempered Low-E Insulated Glass, Add</i>	287.78	

**08 52 16 00-1012 76-7/8" Height, Picture Wood Clad Windows For Double Hung Windows
(Andersen 400 Series)** (08 52 16 00-0955)

08 52 16 00-1013	EA	12" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,068.66	78.32
		<i>For Tempered Low-E Insulated Glass, Add</i>	182.41	
08 52 16 00-1014	EA	37-5/8" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,364.19	95.01
		<i>For Tempered Low-E Insulated Glass, Add</i>	235.09	
08 52 16 00-1015	EA	41-5/8" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,409.23	96.93
		<i>For Tempered Low-E Insulated Glass, Add</i>	243.07	
08 52 16 00-1016	EA	47-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,476.81	100.78
		<i>For Tempered Low-E Insulated Glass, Add</i>	255.05	
08 52 16 00-1017	EA	51-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,521.87	103.99
		<i>For Tempered Low-E Insulated Glass, Add</i>	263.03	

08	08	Openings
	08 50	Windows
	08 52	Wood Windows



		MINOR			TOTAL DIRECT	DEMOLITION
		CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 52 16 00-1018	EA	59-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)		1,613.96	108.49	
		For Tempered Low-E Insulated Glass, Add		279.40		
08 52 16 00-1019	EA	67-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)		1,706.04	114.26	
		For Tempered Low-E Insulated Glass, Add		295.76		
08 52 16 00-1020		Picture Wood Clad Windows For Horizontal Sliding Windows (08 52 16 00-0810)				
08 52 16 00-1021		Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) (08 52 16 00-1020)				
		Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.				
08 52 16 00-1022		35-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) (08 52 16 00-1021)				
08 52 16 00-1023	EA	56-1/2" x 35-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)		669.38	80.24	
		For Tempered Clear Insulated Glass, Add		101.78		
08 52 16 00-1024	EA	59-1/2" x 35-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)		687.20	82.17	
		For Tempered Clear Insulated Glass, Add		104.57		
08 52 16 00-1025		47-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) (08 52 16 00-1021)				
08 52 16 00-1026	EA	47-1/2" x 47-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)		687.20	82.17	
		For Tempered Clear Insulated Glass, Add		104.57		
08 52 16 00-1027	EA	71-1/2" x 47-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)		833.77	97.57	
		For Tempered Clear Insulated Glass, Add		127.72		
08 52 16 00-1028		53-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) (08 52 16 00-1021)				
08 52 16 00-1029	EA	56-1/2" x 53-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)		780.30	91.80	
		For Tempered Clear Insulated Glass, Add		119.34		
08 52 16 00-1030	EA	59-1/2" x 53-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)		798.12	93.72	
		For Tempered Clear Insulated Glass, Add		122.14		
08 52 16 00-1031		56-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) (08 52 16 00-1021)				
08 52 16 00-1032	EA	35-1/2" x 56-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)		669.38	80.88	
		For Tempered Clear Insulated Glass, Add		101.78		
08 52 16 00-1033	EA	53-1/2" x 56-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)		780.30	91.80	
		For Tempered Clear Insulated Glass, Add		119.34		
08 52 16 00-1034		59-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) (08 52 16 00-1021)				
08 52 16 00-1035	EA	35-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)		687.20	82.17	
		For Tempered Clear Insulated Glass, Add		104.57		
08 52 16 00-1036	EA	53-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)		798.12	93.72	
		For Tempered Clear Insulated Glass, Add		122.14		
08 52 16 00-1037	EA	59-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)		833.77	97.57	
		For Tempered Clear Insulated Glass, Add		127.72		
08 52 16 00-1038	EA	65-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)		871.40	101.43	
		For Tempered Clear Insulated Glass, Add		133.71		
08 52 16 00-1039		65-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) (08 52 16 00-1021)				
08 52 16 00-1040	EA	59-1/2" x 65-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)		871.40	101.43	
		For Tempered Clear Insulated Glass, Add		133.71		
08 52 16 00-1041		71-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) (08 52 16 00-1021)				
08 52 16 00-1042	EA	47-1/2" x 71-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)		833.77	97.57	
		For Tempered Clear Insulated Glass, Add		127.72		
08 52 16 00-1043		Basement Wood Clad Windows (08 52 16)				
		Note: Basement windows are hinged at the bottom of the frame and swing outward with a crank or push out operation.				
08 52 16 00-1044		Basement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-1043)				
		Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware, Low-E insulated glass and insect screens. Excludes grilles.				
08 52 16 00-1045	EA	32-1/4" x 15-3/4", Basement Wood Clad Window (Andersen 400 Series)		354.74	51.36	
08 52 16 00-1046	EA	32-1/4" x 19-3/4", Basement Wood Clad Window (Andersen 400 Series)		373.67	51.36	
08 52 16 00-1047	EA	32-1/4" x 23-3/4", Basement Wood Clad Window (Andersen 400 Series)		390.32	51.36	
08 52 16 00-1048		Factory Installed Grilles For Wood Clad Windows (08 52 16)				
08 52 16 00-1049		Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows (08 52 16 00-1048)				

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 52 16 00-1050	EA		Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows.....	49.24	
08 52 16 00-1051	EA		>9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows.....	72.57	
08 52 16 00-1052	EA		>18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows.....	98.49	
08 52 16 00-1053	EA		>24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows.....	124.41	
08 52 16 00-1054	EA		>36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows.....	176.24	

08 52 16 00-1055 Fixed Exterior And Removable Interior Grilles, Factory Installed Grilles For Wood Clad Windows (08 52 16 00-1048)

08 52 16 00-1056	EA		Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows.....	78.79	
08 52 16 00-1057	EA		>9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows.....	116.11	
08 52 16 00-1058	EA		>18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows.....	157.58	
08 52 16 00-1059	EA		>24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows.....	199.05	
08 52 16 00-1060	EA		>36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows.....	281.99	

08 52 16 00-1061 Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows (08 52 16 00-1048)

08 52 16 00-1062	EA		Up To 9 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows.....	94.55	
08 52 16 00-1063	EA		>9 To 18 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows.....	139.34	
08 52 16 00-1064	EA		>18 To 24 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows.....	189.10	
08 52 16 00-1065	EA		>24 To 36 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows.....	238.86	
08 52 16 00-1066	EA		>36 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows.....	338.39	

08 52 16 00-1067 Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows (08 52 16 00-1048)

08 52 16 00-1068	EA		Up To 9 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows.....	113.47	
08 52 16 00-1069	EA		>9 To 18 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows.....	167.20	
08 52 16 00-1070	EA		>18 To 24 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows.....	226.91	
08 52 16 00-1071	EA		>24 To 36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows.....	286.63	
08 52 16 00-1072	EA		>36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows.....	406.06	

08 52 66 Wood Window Screens (08 52)

08 52 66 00-0001 Insect Screens For Wood Clad Windows (08 52 66)

08 52 66 00-0002	EA		Up To 6 SF, Insect Screen For Wood Clad Windows.....	45.37	8.97
08 52 66 00-0003	EA		>6 To 9 SF, Insect Screen For Wood Clad Windows.....	53.21	8.97
08 52 66 00-0004	EA		>9 To 12 SF, Insect Screen For Wood Clad Windows.....	57.13	8.97
08 52 66 00-0005	EA		>12 To 15 SF, Insect Screen For Wood Clad Windows.....	64.97	8.97
08 52 66 00-0006	EA		>15 To 20 SF, Insect Screen For Wood Clad Windows.....	80.64	8.97
08 52 66 00-0007	EA		>20 To 25 SF, Insect Screen For Wood Clad Windows.....	88.48	8.97
08 52 66 00-0008	EA		>25 To 30 SF, Insect Screen For Wood Clad Windows.....	96.32	8.97
08 52 66 00-0009	EA		>30 To 35 SF, Insect Screen For Wood Clad Windows.....	104.16	8.97
08 52 66 00-0010	SF		>35 SF, Insect Screen For Wood Clad Windows.....	3.14	0.18

08 53 Plastic Windows (08 50)

08 53 13 Vinyl Windows (08 53)

08 53 13 00-0001 Single Hung Vinyl Windows (08 53 13)

08 53 13 00-0002 New Construction, Single Hung Vinyl Windows (Silver Line 2200) (08 53 13 00-0001)

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.

08 53 13 00-0003 34" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) (08 53 13 00-0002)

08 53 13 00-0004	EA		24" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	387.08	59.05
			For Colored Vinyl, Add	26.90	
			For Tinted Glass, Add	32.28	
			For Low-E Insulated Glass, Add	67.24	
			For Obscure Glass, Add	73.96	
08 53 13 00-0005	EA		28" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	407.20	61.63
			For Colored Vinyl, Add	28.40	
			For Tinted Glass, Add	34.07	
			For Low-E Insulated Glass, Add	70.99	
			For Obscure Glass, Add	78.09	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 53 13 00-0006	EA 30" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	415.55		62.91
	For Colored Vinyl, Add	28.97		
	For Tinted Glass, Add	34.77		
	For Low-E Insulated Glass, Add	72.43		
	For Obscure Glass, Add	79.68		
08 53 13 00-0007	EA 32" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	424.67		64.19
	For Colored Vinyl, Add	29.63		
	For Tinted Glass, Add	35.55		
	For Low-E Insulated Glass, Add	74.07		
	For Obscure Glass, Add	81.48		
08 53 13 00-0008	EA 36" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	448.13		66.76
	For Colored Vinyl, Add	31.46		
	For Tinted Glass, Add	37.75		
	For Low-E Insulated Glass, Add	78.65		
	For Obscure Glass, Add	86.52		
08 53 13 00-0009	EA 44" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	486.10		71.90
	For Colored Vinyl, Add	34.23		
	For Tinted Glass, Add	41.08		
	For Low-E Insulated Glass, Add	85.58		
	For Obscure Glass, Add	94.14		
08 53 13 00-0010 36" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) (08 53 13 00-0002)				
08 53 13 00-0011	EA 24" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	394.92		60.34
	For Colored Vinyl, Add	27.42		
	For Tinted Glass, Add	32.91		
	For Low-E Insulated Glass, Add	68.56		
	For Obscure Glass, Add	75.42		
08 53 13 00-0012	EA 28" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	415.05		61.63
	For Colored Vinyl, Add	28.92		
	For Tinted Glass, Add	34.71		
	For Low-E Insulated Glass, Add	72.31		
	For Obscure Glass, Add	79.54		
08 53 13 00-0013	EA 30" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	423.40		64.19
	For Colored Vinyl, Add	29.50		
	For Tinted Glass, Add	35.40		
	For Low-E Insulated Glass, Add	73.75		
	For Obscure Glass, Add	81.13		
08 53 13 00-0014	EA 32" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	432.51		65.48
	For Colored Vinyl, Add	30.16		
	For Tinted Glass, Add	36.19		
	For Low-E Insulated Glass, Add	75.39		
	For Obscure Glass, Add	82.93		
08 53 13 00-0015	EA 36" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	455.98		68.05
	For Colored Vinyl, Add	31.99		
	For Tinted Glass, Add	38.39		
	For Low-E Insulated Glass, Add	79.97		
	For Obscure Glass, Add	87.97		
08 53 13 00-0016	EA 44" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	493.96		73.18
	For Colored Vinyl, Add	34.76		
	For Tinted Glass, Add	41.71		
	For Low-E Insulated Glass, Add	86.90		
	For Obscure Glass, Add	95.59		
08 53 13 00-0017 38" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) (08 53 13 00-0002)				
08 53 13 00-0018	EA 24" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	402.51		61.63
	For Colored Vinyl, Add	27.93		
	For Tinted Glass, Add	33.51		
	For Low-E Insulated Glass, Add	69.82		
	For Obscure Glass, Add	76.80		
08 53 13 00-0019	EA 28" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	422.64		64.19
	For Colored Vinyl, Add	29.43		
	For Tinted Glass, Add	35.31		
	For Low-E Insulated Glass, Add	73.56		
	For Obscure Glass, Add	80.92		
08 53 13 00-0020	EA 30" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	431.32		65.48
	For Colored Vinyl, Add	30.04		
	For Tinted Glass, Add	36.04		
	For Low-E Insulated Glass, Add	75.09		
	For Obscure Glass, Add	82.60		
08 53 13 00-0021	EA 32" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	440.44		66.76
	For Colored Vinyl, Add	30.69		
	For Tinted Glass, Add	36.83		
	For Low-E Insulated Glass, Add	76.73		
	For Obscure Glass, Add	84.40		
08 53 13 00-0022	EA 36" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	464.29		69.33
	For Colored Vinyl, Add	32.56		
	For Tinted Glass, Add	39.08		
	For Low-E Insulated Glass, Add	81.41		
	For Obscure Glass, Add	89.55		
08 53 13 00-0023	EA 44" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	502.77		74.47
	For Colored Vinyl, Add	35.38		
	For Tinted Glass, Add	42.46		
	For Low-E Insulated Glass, Add	88.46		
	For Obscure Glass, Add	97.31		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST

08 53 13 00-0024 44" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) (08 53 13 00-0002)

08 53 13 00-0025	EA	24" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	425.75	65.48
		For Colored Vinyl, Add	29.48	
		For Tinted Glass, Add	35.38	
		For Low-E Insulated Glass, Add	73.70	
		For Obscure Glass, Add	81.07	
08 53 13 00-0026	EA	28" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	445.89	68.05
		For Colored Vinyl, Add	30.98	
		For Tinted Glass, Add	37.17	
		For Low-E Insulated Glass, Add	77.45	
		For Obscure Glass, Add	85.19	
08 53 13 00-0027	EA	30" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	455.67	69.33
		For Colored Vinyl, Add	31.70	
		For Tinted Glass, Add	38.04	
		For Low-E Insulated Glass, Add	79.25	
		For Obscure Glass, Add	87.18	
08 53 13 00-0028	EA	32" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	464.79	70.61
		For Colored Vinyl, Add	32.36	
		For Tinted Glass, Add	38.83	
		For Low-E Insulated Glass, Add	80.89	
		For Obscure Glass, Add	88.98	
08 53 13 00-0029	EA	36" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	489.73	73.18
		For Colored Vinyl, Add	34.34	
		For Tinted Glass, Add	41.20	
		For Low-E Insulated Glass, Add	85.84	
		For Obscure Glass, Add	94.42	
08 53 13 00-0030	EA	44" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	529.60	78.32
		For Colored Vinyl, Add	37.30	
		For Tinted Glass, Add	44.76	
		For Low-E Insulated Glass, Add	93.24	
		For Obscure Glass, Add	102.57	

08 53 13 00-0031 46" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) (08 53 13 00-0002)

08 53 13 00-0032	EA	24" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	433.60	66.76
		For Colored Vinyl, Add	30.01	
		For Tinted Glass, Add	36.01	
		For Low-E Insulated Glass, Add	75.02	
		For Obscure Glass, Add	82.52	
08 53 13 00-0033	EA	28" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	453.73	69.33
		For Colored Vinyl, Add	31.51	
		For Tinted Glass, Add	37.81	
		For Low-E Insulated Glass, Add	78.77	
		For Obscure Glass, Add	86.64	
08 53 13 00-0034	EA	30" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	463.86	70.61
		For Colored Vinyl, Add	32.26	
		For Tinted Glass, Add	38.72	
		For Low-E Insulated Glass, Add	80.66	
		For Obscure Glass, Add	88.72	
08 53 13 00-0035	EA	32" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	472.97	71.90
		For Colored Vinyl, Add	32.92	
		For Tinted Glass, Add	39.50	
		For Low-E Insulated Glass, Add	82.30	
		For Obscure Glass, Add	90.52	
08 53 13 00-0036	EA	36" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	498.25	74.47
		For Colored Vinyl, Add	34.93	
		For Tinted Glass, Add	41.92	
		For Low-E Insulated Glass, Add	87.33	
		For Obscure Glass, Add	96.06	
08 53 13 00-0037	EA	44" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	538.63	79.60
		For Colored Vinyl, Add	37.94	
		For Tinted Glass, Add	45.53	
		For Low-E Insulated Glass, Add	94.86	
		For Obscure Glass, Add	104.34	

08 53 13 00-0038 48" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) (08 53 13 00-0002)

08 53 13 00-0039	EA	24" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	441.54	68.05
		For Colored Vinyl, Add	30.54	
		For Tinted Glass, Add	36.65	
		For Low-E Insulated Glass, Add	76.36	
		For Obscure Glass, Add	84.00	
08 53 13 00-0040	EA	28" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	461.66	70.61
		For Colored Vinyl, Add	32.04	
		For Tinted Glass, Add	38.45	
		For Low-E Insulated Glass, Add	80.11	
		For Obscure Glass, Add	88.12	
08 53 13 00-0041	EA	30" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	472.12	71.90
		For Colored Vinyl, Add	32.83	
		For Tinted Glass, Add	39.40	
		For Low-E Insulated Glass, Add	82.08	
		For Obscure Glass, Add	90.29	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 53 13 00-0042	EA 32" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	481.25		73.18
	For Colored Vinyl, Add	33.49		
	For Tinted Glass, Add	40.19		
	For Low-E Insulated Glass, Add	83.72		
	For Obscure Glass, Add	92.09		
08 53 13 00-0043	EA 36" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	506.90		75.74
	For Colored Vinyl, Add	35.54		
	For Tinted Glass, Add	42.65		
	For Low-E Insulated Glass, Add	88.85		
	For Obscure Glass, Add	97.74		
08 53 13 00-0044	EA 44" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	547.74		80.88
	For Colored Vinyl, Add	38.60		
	For Tinted Glass, Add	46.32		
	For Low-E Insulated Glass, Add	96.49		
	For Obscure Glass, Add	106.14		
08 53 13 00-0045 50" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) (08 53 13 00-0002)				
08 53 13 00-0046	EA 24" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	449.13		69.33
	For Colored Vinyl, Add	31.05		
	For Tinted Glass, Add	37.26		
	For Low-E Insulated Glass, Add	77.62		
	For Obscure Glass, Add	85.38		
08 53 13 00-0047	EA 28" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	469.25		71.90
	For Colored Vinyl, Add	32.55		
	For Tinted Glass, Add	39.06		
	For Low-E Insulated Glass, Add	81.37		
	For Obscure Glass, Add	89.50		
08 53 13 00-0048	EA 30" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	480.11		73.18
	For Colored Vinyl, Add	33.37		
	For Tinted Glass, Add	40.05		
	For Low-E Insulated Glass, Add	83.44		
	For Obscure Glass, Add	91.78		
08 53 13 00-0049	EA 32" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	489.21		74.47
	For Colored Vinyl, Add	34.03		
	For Tinted Glass, Add	40.83		
	For Low-E Insulated Glass, Add	85.07		
	For Obscure Glass, Add	93.58		
08 53 13 00-0050	EA 36" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	515.20		77.03
	For Colored Vinyl, Add	36.11		
	For Tinted Glass, Add	43.34		
	For Low-E Insulated Glass, Add	90.29		
	For Obscure Glass, Add	99.31		
08 53 13 00-0051	EA 44" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	556.51		82.17
	For Colored Vinyl, Add	39.22		
	For Tinted Glass, Add	47.06		
	For Low-E Insulated Glass, Add	98.05		
	For Obscure Glass, Add	107.85		
08 53 13 00-0052 52" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) (08 53 13 00-0002)				
08 53 13 00-0053	EA 24" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	456.77		70.61
	For Colored Vinyl, Add	31.55		
	For Tinted Glass, Add	37.86		
	For Low-E Insulated Glass, Add	78.89		
	For Obscure Glass, Add	86.77		
08 53 13 00-0054	EA 28" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	476.90		73.18
	For Colored Vinyl, Add	33.05		
	For Tinted Glass, Add	39.66		
	For Low-E Insulated Glass, Add	82.63		
	For Obscure Glass, Add	90.90		
08 53 13 00-0055	EA 30" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	488.11		74.47
	For Colored Vinyl, Add	33.92		
	For Tinted Glass, Add	40.70		
	For Low-E Insulated Glass, Add	84.80		
	For Obscure Glass, Add	93.27		
08 53 13 00-0056	EA 32" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	497.23		75.74
	For Colored Vinyl, Add	34.57		
	For Tinted Glass, Add	41.49		
	For Low-E Insulated Glass, Add	86.43		
	For Obscure Glass, Add	95.08		
08 53 13 00-0057	EA 36" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	523.60		78.32
	For Colored Vinyl, Add	36.70		
	For Tinted Glass, Add	44.04		
	For Low-E Insulated Glass, Add	91.74		
	For Obscure Glass, Add	100.92		
08 53 13 00-0058	EA 44" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	565.37		83.45
	For Colored Vinyl, Add	39.85		
	For Tinted Glass, Add	47.82		
	For Low-E Insulated Glass, Add	99.62		
	For Obscure Glass, Add	109.58		
08 53 13 00-0059 54" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) (08 53 13 00-0002)				

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0060	EA	24" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	464.39	71.90
		For Colored Vinyl, Add	32.06	
		For Tinted Glass, Add	38.47	
		For Low-E Insulated Glass, Add	80.15	
		For Obscure Glass, Add	88.17	
08 53 13 00-0061	EA	28" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	484.52	74.47
		For Colored Vinyl, Add	33.56	
		For Tinted Glass, Add	40.27	
		For Low-E Insulated Glass, Add	83.90	
		For Obscure Glass, Add	92.29	
08 53 13 00-0062	EA	30" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	496.09	75.74
		For Colored Vinyl, Add	34.46	
		For Tinted Glass, Add	41.35	
		For Low-E Insulated Glass, Add	86.15	
		For Obscure Glass, Add	94.76	
08 53 13 00-0063	EA	32" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	505.19	77.03
		For Colored Vinyl, Add	35.11	
		For Tinted Glass, Add	42.14	
		For Low-E Insulated Glass, Add	87.78	
		For Obscure Glass, Add	96.56	
08 53 13 00-0064	EA	36" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	531.91	79.60
		For Colored Vinyl, Add	37.27	
		For Tinted Glass, Add	44.73	
		For Low-E Insulated Glass, Add	93.18	
		For Obscure Glass, Add	102.50	
08 53 13 00-0065	EA	44" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	574.15	84.74
		For Colored Vinyl, Add	40.47	
		For Tinted Glass, Add	48.56	
		For Low-E Insulated Glass, Add	101.17	
		For Obscure Glass, Add	111.29	
08 53 13 00-0066		60" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) (08 53 13 00-0002)		
08 53 13 00-0067	EA	24" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	487.94	75.74
		For Colored Vinyl, Add	33.64	
		For Tinted Glass, Add	40.37	
		For Low-E Insulated Glass, Add	84.11	
		For Obscure Glass, Add	92.52	
08 53 13 00-0068	EA	28" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	508.06	78.32
		For Colored Vinyl, Add	35.14	
		For Tinted Glass, Add	42.17	
		For Low-E Insulated Glass, Add	87.86	
		For Obscure Glass, Add	96.64	
08 53 13 00-0069	EA	30" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	520.64	79.60
		For Colored Vinyl, Add	36.14	
		For Tinted Glass, Add	43.37	
		For Low-E Insulated Glass, Add	90.36	
		For Obscure Glass, Add	99.40	
08 53 13 00-0070	EA	32" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	529.75	80.88
		For Colored Vinyl, Add	36.80	
		For Tinted Glass, Add	44.16	
		For Low-E Insulated Glass, Add	92.00	
		For Obscure Glass, Add	101.19	
08 53 13 00-0071	EA	36" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	557.56	83.45
		For Colored Vinyl, Add	39.07	
		For Tinted Glass, Add	46.88	
		For Low-E Insulated Glass, Add	97.67	
		For Obscure Glass, Add	107.43	
08 53 13 00-0072	EA	44" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	601.23	88.59
		For Colored Vinyl, Add	42.41	
		For Tinted Glass, Add	50.89	
		For Low-E Insulated Glass, Add	106.02	
		For Obscure Glass, Add	116.62	
08 53 13 00-0073		62" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) (08 53 13 00-0002)		
08 53 13 00-0074	EA	24" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	495.57	77.03
		For Colored Vinyl, Add	34.15	
		For Tinted Glass, Add	40.98	
		For Low-E Insulated Glass, Add	85.38	
		For Obscure Glass, Add	93.92	
08 53 13 00-0075	EA	28" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	515.70	79.60
		For Colored Vinyl, Add	35.65	
		For Tinted Glass, Add	42.78	
		For Low-E Insulated Glass, Add	89.13	
		For Obscure Glass, Add	98.04	
08 53 13 00-0076	EA	30" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	528.70	80.88
		For Colored Vinyl, Add	36.69	
		For Tinted Glass, Add	44.03	
		For Low-E Insulated Glass, Add	91.73	
		For Obscure Glass, Add	100.91	
08 53 13 00-0077	EA	32" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	537.80	82.17
		For Colored Vinyl, Add	37.35	
		For Tinted Glass, Add	44.82	
		For Low-E Insulated Glass, Add	93.37	
		For Obscure Glass, Add	102.70	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 53 13 00-0078	EA	36" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	565.96		84.74
		For Colored Vinyl, Add	39.65		
		For Tinted Glass, Add	47.58		
		For Low-E Insulated Glass, Add	99.12		
		For Obscure Glass, Add	109.03		
08 53 13 00-0079	EA	44" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	610.15		89.87
		For Colored Vinyl, Add	43.04		
		For Tinted Glass, Add	51.65		
		For Low-E Insulated Glass, Add	107.60		
		For Obscure Glass, Add	118.36		
08 53 13 00-0080 66" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) (08 53 13 00-0002)					
08 53 13 00-0081	EA	24" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	511.09		79.60
		For Colored Vinyl, Add	35.19		
		For Tinted Glass, Add	42.23		
		For Low-E Insulated Glass, Add	87.97		
		For Obscure Glass, Add	96.77		
08 53 13 00-0082	EA	28" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	531.22		82.17
		For Colored Vinyl, Add	36.69		
		For Tinted Glass, Add	44.03		
		For Low-E Insulated Glass, Add	91.72		
		For Obscure Glass, Add	100.89		
08 53 13 00-0083	EA	30" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	544.89		83.45
		For Colored Vinyl, Add	37.80		
		For Tinted Glass, Add	45.36		
		For Low-E Insulated Glass, Add	94.50		
		For Obscure Glass, Add	103.95		
08 53 13 00-0084	EA	32" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	554.01		84.74
		For Colored Vinyl, Add	38.45		
		For Tinted Glass, Add	46.14		
		For Low-E Insulated Glass, Add	96.14		
		For Obscure Glass, Add	105.75		
08 53 13 00-0085	EA	36" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	582.92		87.30
		For Colored Vinyl, Add	40.83		
		For Tinted Glass, Add	49.00		
		For Low-E Insulated Glass, Add	102.08		
		For Obscure Glass, Add	112.29		
08 53 13 00-0086	EA	44" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	627.99		92.44
		For Colored Vinyl, Add	44.31		
		For Tinted Glass, Add	53.17		
		For Low-E Insulated Glass, Add	110.78		
		For Obscure Glass, Add	121.86		
08 53 13 00-0087 72" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) (08 53 13 00-0002)					
08 53 13 00-0088	EA	24" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	534.63		83.45
		For Colored Vinyl, Add	36.77		
		For Tinted Glass, Add	44.13		
		For Low-E Insulated Glass, Add	91.93		
		For Obscure Glass, Add	101.13		
08 53 13 00-0089	EA	28" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	554.76		86.02
		For Colored Vinyl, Add	38.27		
		For Tinted Glass, Add	45.93		
		For Low-E Insulated Glass, Add	95.68		
		For Obscure Glass, Add	105.25		
08 53 13 00-0090	EA	30" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	568.44		87.30
		For Colored Vinyl, Add	39.38		
		For Tinted Glass, Add	47.26		
		For Low-E Insulated Glass, Add	98.46		
		For Obscure Glass, Add	108.30		
08 53 13 00-0091	EA	32" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	577.54		88.59
		For Colored Vinyl, Add	40.04		
		For Tinted Glass, Add	48.04		
		For Low-E Insulated Glass, Add	100.09		
		For Obscure Glass, Add	110.10		
08 53 13 00-0092	EA	36" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	606.46		91.16
		For Colored Vinyl, Add	42.42		
		For Tinted Glass, Add	50.90		
		For Low-E Insulated Glass, Add	106.04		
		For Obscure Glass, Add	116.64		
08 53 13 00-0093	EA	44" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	651.52		96.29
		For Colored Vinyl, Add	45.89		
		For Tinted Glass, Add	55.07		
		For Low-E Insulated Glass, Add	114.74		
		For Obscure Glass, Add	126.21		
08 53 13 00-0094 Replacement, Single Hung Vinyl Windows (Silver Line 2000) (08 53 13 00-0001)					
Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).					
08 53 13 00-0095	EA	Up To 73" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	566.39		67.40
		For Colored Vinyl, Add	43.16		
		For Tinted Glass, Add	51.79		
		For Low-E Insulated Glass, Add	107.90		
		For Obscure Glass, Add	118.68		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0096	EA		>73" To 83" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	620.82	73.82
			For Colored Vinyl, Add	47.32	
			For Tinted Glass, Add	56.78	
			For Low-E Insulated Glass, Add	118.30	
			For Obscure Glass, Add	130.12	
08 53 13 00-0097	EA		>83" To 93" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	671.03	80.24
			For Colored Vinyl, Add	51.06	
			For Tinted Glass, Add	61.27	
			For Low-E Insulated Glass, Add	127.64	
			For Obscure Glass, Add	140.40	
08 53 13 00-0098	EA		>93" To 101" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	706.46	86.66
			For Colored Vinyl, Add	53.31	
			For Tinted Glass, Add	63.98	
			For Low-E Insulated Glass, Add	133.29	
			For Obscure Glass, Add	146.61	
08 53 13 00-0099	EA		>101" To 110" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	743.58	93.08
			For Colored Vinyl, Add	55.74	
			For Tinted Glass, Add	66.89	
			For Low-E Insulated Glass, Add	139.36	
			For Obscure Glass, Add	153.29	
08 53 13 00-0100	EA		>110" To 120" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	807.10	99.50
			For Colored Vinyl, Add	60.81	
			For Tinted Glass, Add	72.97	
			For Low-E Insulated Glass, Add	152.03	
			For Obscure Glass, Add	167.23	
08 53 13 00-0101	UI		>120" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000).....	6.74	0.83
			For Colored Vinyl, Add	0.51	
			For Tinted Glass, Add	0.61	
			For Low-E Insulated Glass, Add	1.27	
			For Obscure Glass, Add	1.39	
08 53 13 00-0102			Double Hung Vinyl Windows (08 53 13)		
08 53 13 00-0103			New Construction, Double Hung Vinyl Windows (Silver Line 3900) (08 53 13 00-0102)		
			Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 53 13 00-0104			34" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) (08 53 13 00-0103)		
08 53 13 00-0105	EA		24" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	549.53	59.05
			For Colored Vinyl, Add	43.14	
			For Tinted Glass, Add	51.77	
			For Low-E Insulated Glass, Add	107.85	
			For Obscure Glass, Add	118.64	
08 53 13 00-0106	EA		28" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	569.65	61.63
			For Colored Vinyl, Add	44.64	
			For Tinted Glass, Add	53.57	
			For Low-E Insulated Glass, Add	111.60	
			For Obscure Glass, Add	122.76	
08 53 13 00-0107	EA		30" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	579.40	62.91
			For Colored Vinyl, Add	45.36	
			For Tinted Glass, Add	54.43	
			For Low-E Insulated Glass, Add	113.40	
			For Obscure Glass, Add	124.73	
08 53 13 00-0108	EA		32" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	588.52	64.19
			For Colored Vinyl, Add	46.01	
			For Tinted Glass, Add	55.22	
			For Low-E Insulated Glass, Add	115.03	
			For Obscure Glass, Add	126.54	
08 53 13 00-0109	EA		36" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	610.58	66.76
			For Colored Vinyl, Add	47.71	
			For Tinted Glass, Add	57.25	
			For Low-E Insulated Glass, Add	119.27	
			For Obscure Glass, Add	131.19	
08 53 13 00-0110	EA		44" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	646.74	71.90
			For Colored Vinyl, Add	50.30	
			For Tinted Glass, Add	60.35	
			For Low-E Insulated Glass, Add	125.74	
			For Obscure Glass, Add	138.31	
08 53 13 00-0111			36" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) (08 53 13 00-0103)		
08 53 13 00-0112	EA		24" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	557.37	60.34
			For Colored Vinyl, Add	43.67	
			For Tinted Glass, Add	52.40	
			For Low-E Insulated Glass, Add	109.17	
			For Obscure Glass, Add	120.09	
08 53 13 00-0113	EA		28" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	577.50	62.91
			For Colored Vinyl, Add	45.17	
			For Tinted Glass, Add	54.20	
			For Low-E Insulated Glass, Add	112.92	
			For Obscure Glass, Add	124.21	
08 53 13 00-0114	EA		30" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	587.25	64.19
			For Colored Vinyl, Add	45.89	
			For Tinted Glass, Add	55.06	
			For Low-E Insulated Glass, Add	114.72	
			For Obscure Glass, Add	126.19	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 53 13 00-0115	EA 32" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	596.36		65.48
	For Colored Vinyl, Add	46.54		
	For Tinted Glass, Add	55.85		
	For Low-E Insulated Glass, Add	116.35		
	For Obscure Glass, Add	127.99		
08 53 13 00-0116	EA 36" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	618.44		68.05
	For Colored Vinyl, Add	48.23		
	For Tinted Glass, Add	57.88		
	For Low-E Insulated Glass, Add	120.59		
	For Obscure Glass, Add	132.64		
08 53 13 00-0117	EA 44" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	654.60		73.18
	For Colored Vinyl, Add	50.82		
	For Tinted Glass, Add	60.99		
	For Low-E Insulated Glass, Add	127.06		
	For Obscure Glass, Add	139.76		
08 53 13 00-0118 38" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) (08 53 13 00-0103)				
08 53 13 00-0119	EA 24" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	564.46		61.63
	For Colored Vinyl, Add	44.12		
	For Tinted Glass, Add	52.95		
	For Low-E Insulated Glass, Add	110.30		
	For Obscure Glass, Add	121.33		
08 53 13 00-0120	EA 28" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	584.59		64.19
	For Colored Vinyl, Add	45.62		
	For Tinted Glass, Add	54.74		
	For Low-E Insulated Glass, Add	114.05		
	For Obscure Glass, Add	125.46		
08 53 13 00-0121	EA 30" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	594.62		65.48
	For Colored Vinyl, Add	46.37		
	For Tinted Glass, Add	55.64		
	For Low-E Insulated Glass, Add	115.92		
	For Obscure Glass, Add	127.51		
08 53 13 00-0122	EA 32" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	603.74		66.76
	For Colored Vinyl, Add	47.02		
	For Tinted Glass, Add	56.43		
	For Low-E Insulated Glass, Add	117.56		
	For Obscure Glass, Add	129.31		
08 53 13 00-0123	EA 36" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	626.24		69.33
	For Colored Vinyl, Add	48.76		
	For Tinted Glass, Add	58.51		
	For Low-E Insulated Glass, Add	121.90		
	For Obscure Glass, Add	134.08		
08 53 13 00-0124	EA 44" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	662.81		74.47
	For Colored Vinyl, Add	51.39		
	For Tinted Glass, Add	61.67		
	For Low-E Insulated Glass, Add	128.47		
	For Obscure Glass, Add	141.32		
08 53 13 00-0125 44" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) (08 53 13 00-0103)				
08 53 13 00-0126	EA 24" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	588.59		65.48
	For Colored Vinyl, Add	45.76		
	For Tinted Glass, Add	54.92		
	For Low-E Insulated Glass, Add	114.41		
	For Obscure Glass, Add	125.85		
08 53 13 00-0127	EA 28" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	608.73		68.05
	For Colored Vinyl, Add	47.26		
	For Tinted Glass, Add	56.72		
	For Low-E Insulated Glass, Add	118.16		
	For Obscure Glass, Add	129.97		
08 53 13 00-0128	EA 30" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	617.03		69.33
	For Colored Vinyl, Add	47.84		
	For Tinted Glass, Add	57.40		
	For Low-E Insulated Glass, Add	119.59		
	For Obscure Glass, Add	131.55		
08 53 13 00-0129	EA 32" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	626.15		70.61
	For Colored Vinyl, Add	48.49		
	For Tinted Glass, Add	58.19		
	For Low-E Insulated Glass, Add	121.23		
	For Obscure Glass, Add	133.35		
08 53 13 00-0130	EA 36" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	649.57		73.18
	For Colored Vinyl, Add	50.32		
	For Tinted Glass, Add	60.38		
	For Low-E Insulated Glass, Add	125.80		
	For Obscure Glass, Add	138.38		
08 53 13 00-0131	EA 44" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	688.25		78.32
	For Colored Vinyl, Add	53.16		
	For Tinted Glass, Add	63.79		
	For Low-E Insulated Glass, Add	132.91		
	For Obscure Glass, Add	146.20		
08 53 13 00-0132 46" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) (08 53 13 00-0103)				

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0133	EA	24" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	595.63	66.76
		For Colored Vinyl, Add	46.21	
		For Tinted Glass, Add	55.45	
		For Low-E Insulated Glass, Add	115.53	
		For Obscure Glass, Add	127.08	
08 53 13 00-0134	EA	28" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	615.76	69.33
		For Colored Vinyl, Add	47.71	
		For Tinted Glass, Add	57.25	
		For Low-E Insulated Glass, Add	119.28	
		For Obscure Glass, Add	131.20	
08 53 13 00-0135	EA	30" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	624.54	70.61
		For Colored Vinyl, Add	48.33	
		For Tinted Glass, Add	58.00	
		For Low-E Insulated Glass, Add	120.83	
		For Obscure Glass, Add	132.91	
08 53 13 00-0136	EA	32" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	633.65	71.90
		For Colored Vinyl, Add	48.99	
		For Tinted Glass, Add	58.78	
		For Low-E Insulated Glass, Add	122.47	
		For Obscure Glass, Add	134.71	
08 53 13 00-0137	EA	36" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	657.37	74.47
		For Colored Vinyl, Add	50.84	
		For Tinted Glass, Add	61.01	
		For Low-E Insulated Glass, Add	127.11	
		For Obscure Glass, Add	139.82	
08 53 13 00-0138	EA	44" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	697.32	79.60
		For Colored Vinyl, Add	53.81	
		For Tinted Glass, Add	64.57	
		For Low-E Insulated Glass, Add	134.53	
		For Obscure Glass, Add	147.98	
08 53 13 00-0139		48" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) (08 53 13 00-0103)		
08 53 13 00-0140	EA	24" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	602.77	68.05
		For Colored Vinyl, Add	46.67	
		For Tinted Glass, Add	56.00	
		For Low-E Insulated Glass, Add	116.67	
		For Obscure Glass, Add	128.33	
08 53 13 00-0141	EA	28" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	622.89	70.61
		For Colored Vinyl, Add	48.17	
		For Tinted Glass, Add	57.80	
		For Low-E Insulated Glass, Add	120.42	
		For Obscure Glass, Add	132.46	
08 53 13 00-0142	EA	30" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	631.91	71.90
		For Colored Vinyl, Add	48.81	
		For Tinted Glass, Add	58.57	
		For Low-E Insulated Glass, Add	122.03	
		For Obscure Glass, Add	134.23	
08 53 13 00-0143	EA	32" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	641.04	73.18
		For Colored Vinyl, Add	49.47	
		For Tinted Glass, Add	59.36	
		For Low-E Insulated Glass, Add	123.67	
		For Obscure Glass, Add	136.03	
08 53 13 00-0144	EA	36" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	665.17	75.74
		For Colored Vinyl, Add	51.37	
		For Tinted Glass, Add	61.64	
		For Low-E Insulated Glass, Add	128.42	
		For Obscure Glass, Add	141.26	
08 53 13 00-0145	EA	44" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	706.23	80.88
		For Colored Vinyl, Add	54.45	
		For Tinted Glass, Add	65.34	
		For Low-E Insulated Glass, Add	136.12	
		For Obscure Glass, Add	149.73	
08 53 13 00-0146		50" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) (08 53 13 00-0103)		
08 53 13 00-0147	EA	24" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	609.81	69.33
		For Colored Vinyl, Add	47.12	
		For Tinted Glass, Add	56.54	
		For Low-E Insulated Glass, Add	117.79	
		For Obscure Glass, Add	129.57	
08 53 13 00-0148	EA	28" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	629.93	71.90
		For Colored Vinyl, Add	48.61	
		For Tinted Glass, Add	58.34	
		For Low-E Insulated Glass, Add	121.54	
		For Obscure Glass, Add	133.69	
08 53 13 00-0149	EA	30" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	639.39	73.18
		For Colored Vinyl, Add	49.30	
		For Tinted Glass, Add	59.16	
		For Low-E Insulated Glass, Add	123.26	
		For Obscure Glass, Add	135.58	
08 53 13 00-0150	EA	32" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	648.50	74.47
		For Colored Vinyl, Add	49.96	
		For Tinted Glass, Add	59.95	
		For Low-E Insulated Glass, Add	124.89	
		For Obscure Glass, Add	137.38	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 53 13 00-0151	EA 36" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	672.97		77.03
	For Colored Vinyl, Add	51.89		
	For Tinted Glass, Add	62.27		
	For Low-E Insulated Glass, Add	129.73		
	For Obscure Glass, Add	142.70		
08 53 13 00-0152	EA 44" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	715.25		82.17
	For Colored Vinyl, Add	55.09		
	For Tinted Glass, Add	66.11		
	For Low-E Insulated Glass, Add	137.73		
	For Obscure Glass, Add	151.50		
08 53 13 00-0153	52" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) (08 53 13 00-0103)			
08 53 13 00-0154	EA 24" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	616.90		70.61
	For Colored Vinyl, Add	47.57		
	For Tinted Glass, Add	57.08		
	For Low-E Insulated Glass, Add	118.92		
	For Obscure Glass, Add	130.81		
08 53 13 00-0155	EA 28" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	637.03		73.18
	For Colored Vinyl, Add	49.07		
	For Tinted Glass, Add	58.88		
	For Low-E Insulated Glass, Add	122.67		
	For Obscure Glass, Add	134.93		
08 53 13 00-0156	EA 30" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	646.77		74.47
	For Colored Vinyl, Add	49.78		
	For Tinted Glass, Add	59.74		
	For Low-E Insulated Glass, Add	124.46		
	For Obscure Glass, Add	136.91		
08 53 13 00-0157	EA 32" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	655.88		75.74
	For Colored Vinyl, Add	50.44		
	For Tinted Glass, Add	60.53		
	For Low-E Insulated Glass, Add	126.10		
	For Obscure Glass, Add	138.70		
08 53 13 00-0158	EA 36" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	681.49		78.32
	For Colored Vinyl, Add	52.49		
	For Tinted Glass, Add	62.98		
	For Low-E Insulated Glass, Add	131.22		
	For Obscure Glass, Add	144.34		
08 53 13 00-0159	EA 44" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	724.11		83.45
	For Colored Vinyl, Add	55.72		
	For Tinted Glass, Add	66.87		
	For Low-E Insulated Glass, Add	139.30		
	For Obscure Glass, Add	153.23		
08 53 13 00-0160	54" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) (08 53 13 00-0103)			
08 53 13 00-0161	EA 24" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	624.02		71.90
	For Colored Vinyl, Add	48.02		
	For Tinted Glass, Add	57.63		
	For Low-E Insulated Glass, Add	120.06		
	For Obscure Glass, Add	132.06		
08 53 13 00-0162	EA 28" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	644.15		74.47
	For Colored Vinyl, Add	49.52		
	For Tinted Glass, Add	59.43		
	For Low-E Insulated Glass, Add	123.81		
	For Obscure Glass, Add	136.19		
08 53 13 00-0163	EA 30" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	654.28		75.74
	For Colored Vinyl, Add	50.28		
	For Tinted Glass, Add	60.33		
	For Low-E Insulated Glass, Add	125.70		
	For Obscure Glass, Add	138.26		
08 53 13 00-0164	EA 32" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	663.38		77.03
	For Colored Vinyl, Add	50.93		
	For Tinted Glass, Add	61.12		
	For Low-E Insulated Glass, Add	127.33		
	For Obscure Glass, Add	140.06		
08 53 13 00-0165	EA 36" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	690.02		79.60
	For Colored Vinyl, Add	53.08		
	For Tinted Glass, Add	63.70		
	For Low-E Insulated Glass, Add	132.71		
	For Obscure Glass, Add	145.98		
08 53 13 00-0166	EA 44" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	733.02		84.74
	For Colored Vinyl, Add	56.36		
	For Tinted Glass, Add	67.63		
	For Low-E Insulated Glass, Add	140.89		
	For Obscure Glass, Add	154.98		
08 53 13 00-0167	60" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) (08 53 13 00-0103)			
08 53 13 00-0168	EA 24" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	645.37		75.74
	For Colored Vinyl, Add	49.39		
	For Tinted Glass, Add	59.26		
	For Low-E Insulated Glass, Add	123.47		
	For Obscure Glass, Add	135.81		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
08 53 13 00-0169	EA		28" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	665.49	78.32
			For Colored Vinyl, Add	50.89	
			For Tinted Glass, Add	61.06	
			For Low-E Insulated Glass, Add	127.22	
			For Obscure Glass, Add	139.94	
08 53 13 00-0170	EA		30" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	678.11	79.60
			For Colored Vinyl, Add	51.89	
			For Tinted Glass, Add	62.27	
			For Low-E Insulated Glass, Add	129.73	
			For Obscure Glass, Add	142.70	
08 53 13 00-0171	EA		32" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	687.23	80.88
			For Colored Vinyl, Add	52.55	
			For Tinted Glass, Add	63.06	
			For Low-E Insulated Glass, Add	131.37	
			For Obscure Glass, Add	144.50	
08 53 13 00-0172	EA		36" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	715.45	83.45
			For Colored Vinyl, Add	54.86	
			For Tinted Glass, Add	65.83	
			For Low-E Insulated Glass, Add	137.14	
			For Obscure Glass, Add	150.85	
08 53 13 00-0173	EA		44" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	759.80	88.59
			For Colored Vinyl, Add	58.26	
			For Tinted Glass, Add	69.92	
			For Low-E Insulated Glass, Add	145.66	
			For Obscure Glass, Add	160.22	
08 53 13 00-0174			62" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) (08 53 13 00-0103)		
08 53 13 00-0175	EA		24" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	652.45	77.03
			For Colored Vinyl, Add	49.84	
			For Tinted Glass, Add	59.81	
			For Low-E Insulated Glass, Add	124.60	
			For Obscure Glass, Add	137.06	
08 53 13 00-0176	EA		28" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	672.58	79.60
			For Colored Vinyl, Add	51.34	
			For Tinted Glass, Add	61.61	
			For Low-E Insulated Glass, Add	128.35	
			For Obscure Glass, Add	141.18	
08 53 13 00-0177	EA		30" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	686.21	80.88
			For Colored Vinyl, Add	52.44	
			For Tinted Glass, Add	62.93	
			For Low-E Insulated Glass, Add	131.11	
			For Obscure Glass, Add	144.22	
08 53 13 00-0178	EA		32" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	695.32	82.17
			For Colored Vinyl, Add	53.10	
			For Tinted Glass, Add	63.72	
			For Low-E Insulated Glass, Add	132.75	
			For Obscure Glass, Add	146.02	
08 53 13 00-0179	EA		36" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	723.89	84.74
			For Colored Vinyl, Add	55.44	
			For Tinted Glass, Add	66.53	
			For Low-E Insulated Glass, Add	138.61	
			For Obscure Glass, Add	152.47	
08 53 13 00-0180	EA		44" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	769.56	89.87
			For Colored Vinyl, Add	58.98	
			For Tinted Glass, Add	70.78	
			For Low-E Insulated Glass, Add	147.45	
			For Obscure Glass, Add	162.20	
08 53 13 00-0181			66" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) (08 53 13 00-0103)		
08 53 13 00-0182	EA		24" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	668.14	79.60
			For Colored Vinyl, Add	50.89	
			For Tinted Glass, Add	61.07	
			For Low-E Insulated Glass, Add	127.24	
			For Obscure Glass, Add	139.96	
08 53 13 00-0183	EA		28" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	688.27	82.17
			For Colored Vinyl, Add	52.39	
			For Tinted Glass, Add	62.87	
			For Low-E Insulated Glass, Add	130.99	
			For Obscure Glass, Add	144.08	
08 53 13 00-0184	EA		30" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	702.45	83.45
			For Colored Vinyl, Add	53.56	
			For Tinted Glass, Add	64.27	
			For Low-E Insulated Glass, Add	133.89	
			For Obscure Glass, Add	147.28	
08 53 13 00-0185	EA		32" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	711.56	84.74
			For Colored Vinyl, Add	54.21	
			For Tinted Glass, Add	65.05	
			For Low-E Insulated Glass, Add	135.52	
			For Obscure Glass, Add	149.07	
08 53 13 00-0186	EA		36" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	740.94	87.30
			For Colored Vinyl, Add	56.63	
			For Tinted Glass, Add	67.96	
			For Low-E Insulated Glass, Add	141.58	
			For Obscure Glass, Add	155.74	

08 Openings**08 50 Windows****08 53 Plastic Windows**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 53 13 00-0187	EA	44" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	788.37	92.44
		For Colored Vinyl, Add	60.35	
		For Tinted Glass, Add	72.42	
		For Low-E Insulated Glass, Add	150.87	
		For Obscure Glass, Add	165.96	

08 53 13 00-0188 72" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900)
(08 53 13 00-0103)

08 53 13 00-0189	EA	24" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	691.68	83.45
		For Colored Vinyl, Add	52.48	
		For Tinted Glass, Add	62.97	
		For Low-E Insulated Glass, Add	131.20	
		For Obscure Glass, Add	144.31	
08 53 13 00-0190	EA	28" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	711.81	86.02
		For Colored Vinyl, Add	53.98	
		For Tinted Glass, Add	64.77	
		For Low-E Insulated Glass, Add	134.94	
		For Obscure Glass, Add	148.44	
08 53 13 00-0191	EA	30" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	725.99	87.30
		For Colored Vinyl, Add	55.14	
		For Tinted Glass, Add	66.17	
		For Low-E Insulated Glass, Add	137.85	
		For Obscure Glass, Add	151.63	
08 53 13 00-0192	EA	32" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	735.10	88.59
		For Colored Vinyl, Add	55.79	
		For Tinted Glass, Add	66.95	
		For Low-E Insulated Glass, Add	139.48	
		For Obscure Glass, Add	153.43	
08 53 13 00-0193	EA	36" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	764.48	91.16
		For Colored Vinyl, Add	58.22	
		For Tinted Glass, Add	69.86	
		For Low-E Insulated Glass, Add	145.54	
		For Obscure Glass, Add	160.10	
08 53 13 00-0194	EA	44" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	811.91	96.29
		For Colored Vinyl, Add	61.93	
		For Tinted Glass, Add	74.32	
		For Low-E Insulated Glass, Add	154.83	
		For Obscure Glass, Add	170.32	

08 53 13 00-0195 Replacement, Double Hung Vinyl Windows (Silver Line 8500)
(08 53 13 00-0102)

 Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen.
 Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).

08 53 13 00-0196	EA	Up To 73" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500).....	674.29	67.40
		For Colored Vinyl, Add	53.95	
		For Tinted Glass, Add	64.74	
		For Low-E Insulated Glass, Add	134.87	
		For Obscure Glass, Add	148.36	
08 53 13 00-0197	EA	>73" To 83" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500).....	743.49	73.82
		For Colored Vinyl, Add	59.59	
		For Tinted Glass, Add	71.50	
		For Low-E Insulated Glass, Add	148.96	
		For Obscure Glass, Add	163.86	
08 53 13 00-0198	EA	>83" To 93" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500).....	808.48	80.24
		For Colored Vinyl, Add	64.80	
		For Tinted Glass, Add	77.76	
		For Low-E Insulated Glass, Add	162.00	
		For Obscure Glass, Add	178.20	
08 53 13 00-0199	EA	>93" To 101" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500).....	855.74	86.66
		For Colored Vinyl, Add	68.24	
		For Tinted Glass, Add	81.89	
		For Low-E Insulated Glass, Add	170.61	
		For Obscure Glass, Add	187.67	
08 53 13 00-0200	EA	>101" To 110" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500).....	906.16	93.08
		For Colored Vinyl, Add	72.00	
		For Tinted Glass, Add	86.40	
		For Low-E Insulated Glass, Add	180.00	
		For Obscure Glass, Add	198.00	
08 53 13 00-0201	EA	>110" To 120" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500).....	984.46	99.50
		For Colored Vinyl, Add	78.55	
		For Tinted Glass, Add	94.26	
		For Low-E Insulated Glass, Add	196.37	
		For Obscure Glass, Add	216.00	
08 53 13 00-0202	UI	>120" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500).....	8.22	0.83
		For Colored Vinyl, Add	0.66	
		For Tinted Glass, Add	0.79	
		For Low-E Insulated Glass, Add	1.64	
		For Obscure Glass, Add	1.80	

08 53 13 00-0203 Casement Vinyl Windows
(08 53 13)
08 53 13 00-0204 New Construction, Casement Vinyl Windows (Silver Line 7550)
(08 53 13 00-0203)

 Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen.
 Excludes grilles.

08 53 13 00-0205 One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550)
(08 53 13 00-0204)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST

08 53 13 00-0206			24" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)		
08 53 13 00-0207	EA		17" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	502.79	48.79
			For Colored Vinyl, Add	40.65	
			For Tinted Glass, Add	48.78	
			For Low-E Insulated Glass, Add	101.63	
			For Obscure Glass, Add	111.79	
08 53 13 00-0208	EA		20" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	520.36	50.07
			For Colored Vinyl, Add	42.02	
			For Tinted Glass, Add	50.43	
			For Low-E Insulated Glass, Add	105.06	
			For Obscure Glass, Add	115.56	
08 53 13 00-0209	EA		24" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	539.23	52.64
			For Colored Vinyl, Add	43.40	
			For Tinted Glass, Add	52.07	
			For Low-E Insulated Glass, Add	108.49	
			For Obscure Glass, Add	119.34	
08 53 13 00-0210	EA		28" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	573.20	55.21
			For Colored Vinyl, Add	46.28	
			For Tinted Glass, Add	55.53	
			For Low-E Insulated Glass, Add	115.70	
			For Obscure Glass, Add	127.27	
08 53 13 00-0211			28" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)		
08 53 13 00-0212	EA		17" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	533.47	51.36
			For Colored Vinyl, Add	43.20	
			For Tinted Glass, Add	51.84	
			For Low-E Insulated Glass, Add	108.01	
			For Obscure Glass, Add	118.81	
08 53 13 00-0213	EA		20" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	552.61	52.64
			For Colored Vinyl, Add	44.73	
			For Tinted Glass, Add	53.68	
			For Low-E Insulated Glass, Add	111.83	
			For Obscure Glass, Add	123.02	
08 53 13 00-0214	EA		24" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	572.99	55.21
			For Colored Vinyl, Add	46.26	
			For Tinted Glass, Add	55.51	
			For Low-E Insulated Glass, Add	115.65	
			For Obscure Glass, Add	127.21	
08 53 13 00-0215	EA		28" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	608.83	57.78
			For Colored Vinyl, Add	49.33	
			For Tinted Glass, Add	59.19	
			For Low-E Insulated Glass, Add	123.32	
			For Obscure Glass, Add	135.65	
08 53 13 00-0216			36" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)		
08 53 13 00-0217	EA		17" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	569.90	55.21
			For Colored Vinyl, Add	45.95	
			For Tinted Glass, Add	55.14	
			For Low-E Insulated Glass, Add	114.87	
			For Obscure Glass, Add	126.36	
08 53 13 00-0218	EA		20" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	589.80	57.78
			For Colored Vinyl, Add	47.55	
			For Tinted Glass, Add	57.06	
			For Low-E Insulated Glass, Add	118.89	
			For Obscure Glass, Add	130.77	
08 53 13 00-0219	EA		24" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	611.04	59.70
			For Colored Vinyl, Add	49.16	
			For Tinted Glass, Add	59.00	
			For Low-E Insulated Glass, Add	122.91	
			For Obscure Glass, Add	135.20	
08 53 13 00-0220	EA		28" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	648.35	62.27
			For Colored Vinyl, Add	52.38	
			For Tinted Glass, Add	62.86	
			For Low-E Insulated Glass, Add	130.95	
			For Obscure Glass, Add	144.05	
08 53 13 00-0221			40" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)		
08 53 13 00-0222	EA		17" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	602.80	59.05
			For Colored Vinyl, Add	48.60	
			For Tinted Glass, Add	58.32	
			For Low-E Insulated Glass, Add	121.49	
			For Obscure Glass, Add	133.64	
08 53 13 00-0223	EA		20" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	623.80	60.34
			For Colored Vinyl, Add	50.31	
			For Tinted Glass, Add	60.37	
			For Low-E Insulated Glass, Add	125.78	
			For Obscure Glass, Add	138.36	

08	08	Openings
	08 50	Windows
	08 53	Plastic Windows



MINOR		DESCRIPTION	TOTAL DIRECT		DEMOLITION
CSI	UOM		UNIT COST	UNIT COST	
08 53 13 00-0224	EA	24" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	646.08		62.91
		For Colored Vinyl, Add	52.03		
		For Tinted Glass, Add	62.43		
		For Low-E Insulated Glass, Add	130.07		
		For Obscure Glass, Add	143.07		
08 53 13 00-0225	EA	28" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	686.43		65.48
		For Colored Vinyl, Add	55.55		
		For Tinted Glass, Add	66.66		
		For Low-E Insulated Glass, Add	138.87		
		For Obscure Glass, Add	152.76		
08 53 13 00-0226 48" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)					
08 53 13 00-0227	EA	17" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	639.80		64.19
		For Colored Vinyl, Add	51.27		
		For Tinted Glass, Add	61.52		
		For Low-E Insulated Glass, Add	128.18		
		For Obscure Glass, Add	140.99		
08 53 13 00-0228	EA	20" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	661.73		65.48
		For Colored Vinyl, Add	53.08		
		For Tinted Glass, Add	63.69		
		For Low-E Insulated Glass, Add	132.70		
		For Obscure Glass, Add	145.96		
08 53 13 00-0229	EA	24" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	684.99		68.05
		For Colored Vinyl, Add	54.89		
		For Tinted Glass, Add	65.87		
		For Low-E Insulated Glass, Add	137.22		
		For Obscure Glass, Add	150.94		
08 53 13 00-0230	EA	28" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	729.35		70.61
		For Colored Vinyl, Add	58.81		
		For Tinted Glass, Add	70.57		
		For Low-E Insulated Glass, Add	147.03		
		For Obscure Glass, Add	161.73		
08 53 13 00-0231 52" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)					
08 53 13 00-0232	EA	17" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	671.55		66.76
		For Colored Vinyl, Add	53.93		
		For Tinted Glass, Add	64.72		
		For Low-E Insulated Glass, Add	134.83		
		For Obscure Glass, Add	148.31		
08 53 13 00-0233	EA	20" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	694.75		68.05
		For Colored Vinyl, Add	55.87		
		For Tinted Glass, Add	67.04		
		For Low-E Insulated Glass, Add	139.66		
		For Obscure Glass, Add	153.63		
08 53 13 00-0234	EA	24" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	719.18		70.61
		For Colored Vinyl, Add	57.80		
		For Tinted Glass, Add	69.35		
		For Low-E Insulated Glass, Add	144.49		
		For Obscure Glass, Add	158.94		
08 53 13 00-0235	EA	28" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	764.31		73.18
		For Colored Vinyl, Add	61.79		
		For Tinted Glass, Add	74.15		
		For Low-E Insulated Glass, Add	154.49		
		For Obscure Glass, Add	169.93		
08 53 13 00-0236 60" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)					
08 53 13 00-0237	EA	17" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	707.14		70.61
		For Colored Vinyl, Add	56.59		
		For Tinted Glass, Add	67.91		
		For Low-E Insulated Glass, Add	141.48		
		For Obscure Glass, Add	155.63		
08 53 13 00-0238	EA	20" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	731.56		73.18
		For Colored Vinyl, Add	58.65		
		For Tinted Glass, Add	70.38		
		For Low-E Insulated Glass, Add	146.62		
		For Obscure Glass, Add	161.28		
08 53 13 00-0239	EA	24" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	757.25		75.11
		For Colored Vinyl, Add	60.70		
		For Tinted Glass, Add	72.84		
		For Low-E Insulated Glass, Add	151.76		
		For Obscure Glass, Add	166.94		
08 53 13 00-0240	EA	28" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	803.10		77.68
		For Colored Vinyl, Add	64.78		
		For Tinted Glass, Add	77.73		
		For Low-E Insulated Glass, Add	161.94		
		For Obscure Glass, Add	178.13		
08 53 13 00-0241 64" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)					

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0242	EA	17" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	739.52	74.47
		For Colored Vinyl, Add	59.19	
		For Tinted Glass, Add	71.03	
		For Low-E Insulated Glass, Add	147.97	
		For Obscure Glass, Add	162.77	
08 53 13 00-0243	EA	20" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	764.58	75.74
		For Colored Vinyl, Add	61.31	
		For Tinted Glass, Add	73.57	
		For Low-E Insulated Glass, Add	153.27	
		For Obscure Glass, Add	168.60	
08 53 13 00-0244	EA	24" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	791.97	78.32
		For Colored Vinyl, Add	63.53	
		For Tinted Glass, Add	76.24	
		For Low-E Insulated Glass, Add	158.84	
		For Obscure Glass, Add	174.72	
08 53 13 00-0245	EA	28" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	836.76	80.88
		For Colored Vinyl, Add	67.50	
		For Tinted Glass, Add	81.00	
		For Low-E Insulated Glass, Add	168.75	
		For Obscure Glass, Add	185.62	
08 53 13 00-0246		72" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)		
08 53 13 00-0247	EA	17" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	779.21	78.32
		For Colored Vinyl, Add	62.26	
		For Tinted Glass, Add	74.71	
		For Low-E Insulated Glass, Add	155.65	
		For Obscure Glass, Add	171.21	
08 53 13 00-0248	EA	20" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	805.57	80.88
		For Colored Vinyl, Add	64.51	
		For Tinted Glass, Add	77.41	
		For Low-E Insulated Glass, Add	161.27	
		For Obscure Glass, Add	177.40	
08 53 13 00-0249	EA	24" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	831.78	82.81
		For Colored Vinyl, Add	66.62	
		For Tinted Glass, Add	79.94	
		For Low-E Insulated Glass, Add	166.54	
		For Obscure Glass, Add	183.19	
08 53 13 00-0250	EA	28" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	876.02	85.38
		For Colored Vinyl, Add	70.53	
		For Tinted Glass, Add	84.63	
		For Low-E Insulated Glass, Add	176.32	
		For Obscure Glass, Add	193.95	
08 53 13 00-0251		Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0204)		
08 53 13 00-0252		36" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0251)		
08 53 13 00-0253	EA	33" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,013.49	65.48
		For Colored Vinyl, Add	88.25	
		For Tinted Glass, Add	105.90	
		For Low-E Insulated Glass, Add	220.64	
		For Obscure Glass, Add	242.70	
08 53 13 00-0254	EA	40" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,050.19	70.61
		For Colored Vinyl, Add	91.03	
		For Tinted Glass, Add	109.23	
		For Low-E Insulated Glass, Add	227.56	
		For Obscure Glass, Add	250.32	
08 53 13 00-0255	EA	48" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,088.20	75.74
		For Colored Vinyl, Add	93.80	
		For Tinted Glass, Add	112.56	
		For Low-E Insulated Glass, Add	234.50	
		For Obscure Glass, Add	257.95	
08 53 13 00-0256	EA	56" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,131.37	80.24
		For Colored Vinyl, Add	97.09	
		For Tinted Glass, Add	116.51	
		For Low-E Insulated Glass, Add	242.72	
		For Obscure Glass, Add	266.99	
08 53 13 00-0257		40" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0251)		
08 53 13 00-0258	EA	33" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,073.29	68.69
		For Colored Vinyl, Add	93.59	
		For Tinted Glass, Add	112.31	
		For Low-E Insulated Glass, Add	233.98	
		For Obscure Glass, Add	257.38	
08 53 13 00-0259	EA	40" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,112.27	73.18
		For Colored Vinyl, Add	96.59	
		For Tinted Glass, Add	115.91	
		For Low-E Insulated Glass, Add	241.48	
		For Obscure Glass, Add	265.62	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 53 13 00-0260	EA 48" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,152.56		78.32
	For Colored Vinyl, Add	99.59		
	For Tinted Glass, Add	119.51		
	For Low-E Insulated Glass, Add	248.98		
	For Obscure Glass, Add	273.88		
08 53 13 00-0261	EA 56" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,194.33		83.45
	For Colored Vinyl, Add	102.74		
	For Tinted Glass, Add	123.29		
	For Low-E Insulated Glass, Add	256.86		
	For Obscure Glass, Add	282.54		
08 53 13 00-0262	48" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0251)			
08 53 13 00-0263	EA 33" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,137.99		73.82
	For Colored Vinyl, Add	99.04		
	For Tinted Glass, Add	118.84		
	For Low-E Insulated Glass, Add	247.59		
	For Obscure Glass, Add	272.35		
08 53 13 00-0264	EA 40" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,178.61		78.32
	For Colored Vinyl, Add	102.20		
	For Tinted Glass, Add	122.64		
	For Low-E Insulated Glass, Add	255.50		
	For Obscure Glass, Add	281.04		
08 53 13 00-0265	EA 48" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,220.56		83.45
	For Colored Vinyl, Add	105.37		
	For Tinted Glass, Add	126.44		
	For Low-E Insulated Glass, Add	263.42		
	For Obscure Glass, Add	289.76		
08 53 13 00-0266	EA 56" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,266.17		88.59
	For Colored Vinyl, Add	108.90		
	For Tinted Glass, Add	130.68		
	For Low-E Insulated Glass, Add	272.25		
	For Obscure Glass, Add	299.48		
08 53 13 00-0267	52" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0251)			
08 53 13 00-0268	EA 33" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,197.44		76.39
	For Colored Vinyl, Add	104.47		
	For Tinted Glass, Add	125.36		
	For Low-E Insulated Glass, Add	261.17		
	For Obscure Glass, Add	287.28		
08 53 13 00-0269	EA 40" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,240.26		80.88
	For Colored Vinyl, Add	107.85		
	For Tinted Glass, Add	129.42		
	For Low-E Insulated Glass, Add	269.62		
	For Obscure Glass, Add	296.58		
08 53 13 00-0270	EA 48" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,284.35		86.02
	For Colored Vinyl, Add	111.23		
	For Tinted Glass, Add	133.48		
	For Low-E Insulated Glass, Add	278.08		
	For Obscure Glass, Add	305.89		
08 53 13 00-0271	EA 56" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,330.73		91.16
	For Colored Vinyl, Add	114.84		
	For Tinted Glass, Add	137.81		
	For Low-E Insulated Glass, Add	287.11		
	For Obscure Glass, Add	315.82		
08 53 13 00-0272	60" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0251)			
08 53 13 00-0273	EA 33" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,260.74		80.88
	For Colored Vinyl, Add	109.90		
	For Tinted Glass, Add	131.88		
	For Low-E Insulated Glass, Add	274.74		
	For Obscure Glass, Add	302.22		
08 53 13 00-0274	EA 40" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,305.74		86.02
	For Colored Vinyl, Add	113.50		
	For Tinted Glass, Add	136.20		
	For Low-E Insulated Glass, Add	283.75		
	For Obscure Glass, Add	312.12		
08 53 13 00-0275	EA 48" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,351.99		91.16
	For Colored Vinyl, Add	117.10		
	For Tinted Glass, Add	140.52		
	For Low-E Insulated Glass, Add	292.74		
	For Obscure Glass, Add	322.02		
08 53 13 00-0276	EA 56" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,399.09		95.65
	For Colored Vinyl, Add	120.78		
	For Tinted Glass, Add	144.93		
	For Low-E Insulated Glass, Add	301.95		
	For Obscure Glass, Add	332.14		
08 53 13 00-0277	64" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0251)			

		Openings	08	08
		Windows	08 50	
		Plastic Windows	08 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 53 13 00-0278	EA		33" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,323.24	84.09
			For Colored Vinyl, Add	115.51	
			For Tinted Glass, Add	138.61	
			For Low-E Insulated Glass, Add	288.76	
			For Obscure Glass, Add	317.64	
08 53 13 00-0279	EA		40" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,368.24	88.59
			For Colored Vinyl, Add	119.11	
			For Tinted Glass, Add	142.93	
			For Low-E Insulated Glass, Add	297.77	
			For Obscure Glass, Add	327.54	
08 53 13 00-0280	EA		48" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,414.32	93.72
			For Colored Vinyl, Add	122.69	
			For Tinted Glass, Add	147.23	
			For Low-E Insulated Glass, Add	306.72	
			For Obscure Glass, Add	337.39	
08 53 13 00-0281	EA		56" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,461.58	98.86
			For Colored Vinyl, Add	126.39	
			For Tinted Glass, Add	151.66	
			For Low-E Insulated Glass, Add	315.97	
			For Obscure Glass, Add	347.56	
08 53 13 00-0282			72" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0251)		
08 53 13 00-0283	EA		33" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,391.93	88.59
			For Colored Vinyl, Add	121.48	
			For Tinted Glass, Add	145.77	
			For Low-E Insulated Glass, Add	303.69	
			For Obscure Glass, Add	334.06	
08 53 13 00-0284	EA		40" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,436.94	93.72
			For Colored Vinyl, Add	125.08	
			For Tinted Glass, Add	150.09	
			For Low-E Insulated Glass, Add	312.70	
			For Obscure Glass, Add	343.96	
08 53 13 00-0285	EA		48" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,483.24	98.86
			For Colored Vinyl, Add	128.68	
			For Tinted Glass, Add	154.42	
			For Low-E Insulated Glass, Add	321.70	
			For Obscure Glass, Add	353.87	
08 53 13 00-0286	EA		56" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,530.34	103.35
			For Colored Vinyl, Add	132.36	
			For Tinted Glass, Add	158.84	
			For Low-E Insulated Glass, Add	330.91	
			For Obscure Glass, Add	364.00	
08 53 13 00-0287			Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0204)		
08 53 13 00-0288			36" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0287)		
08 53 13 00-0289	EA		62" x 36", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,250.62	83.45
			For Colored Vinyl, Add	108.37	
			For Tinted Glass, Add	130.05	
			For Low-E Insulated Glass, Add	270.93	
			For Obscure Glass, Add	298.02	
08 53 13 00-0290	EA		72" x 36", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,309.12	89.87
			For Colored Vinyl, Add	112.94	
			For Tinted Glass, Add	135.52	
			For Low-E Insulated Glass, Add	282.34	
			For Obscure Glass, Add	310.58	
08 53 13 00-0291	EA		86" x 36", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,414.27	99.50
			For Colored Vinyl, Add	121.53	
			For Tinted Glass, Add	145.83	
			For Low-E Insulated Glass, Add	303.82	
			For Obscure Glass, Add	334.20	
08 53 13 00-0292			40" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0287)		
08 53 13 00-0293	EA		62" x 40", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,333.18	87.30
			For Colored Vinyl, Add	115.99	
			For Tinted Glass, Add	139.18	
			For Low-E Insulated Glass, Add	289.97	
			For Obscure Glass, Add	318.96	
08 53 13 00-0294	EA		72" x 40", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,392.14	93.08
			For Colored Vinyl, Add	120.60	
			For Tinted Glass, Add	144.72	
			For Low-E Insulated Glass, Add	301.50	
			For Obscure Glass, Add	331.64	
08 53 13 00-0295	EA		86" x 40", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,503.46	102.71
			For Colored Vinyl, Add	129.80	
			For Tinted Glass, Add	155.76	
			For Low-E Insulated Glass, Add	324.51	
			For Obscure Glass, Add	356.96	

08 Openings**08 50 Windows****08 53 Plastic Windows**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 53 13 00-0296	48" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0287)		
08 53 13 00-0297	EA 62" x 48", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,409.99	92.44
	For Colored Vinyl, Add	122.51	
	For Tinted Glass, Add	147.01	
	For Low-E Insulated Glass, Add	306.28	
	For Obscure Glass, Add	336.91	
08 53 13 00-0298	EA 72" x 48", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,480.12	98.22
	For Colored Vinyl, Add	128.37	
	For Tinted Glass, Add	154.04	
	For Low-E Insulated Glass, Add	320.92	
	For Obscure Glass, Add	353.01	
08 53 13 00-0299	EA 86" x 48", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,596.71	107.85
	For Colored Vinyl, Add	138.10	
	For Tinted Glass, Add	165.72	
	For Low-E Insulated Glass, Add	345.26	
	For Obscure Glass, Add	379.78	
08 53 13 00-0300	52" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0287)		
08 53 13 00-0301	EA 62" x 52", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,488.65	95.01
	For Colored Vinyl, Add	129.86	
	For Tinted Glass, Add	155.84	
	For Low-E Insulated Glass, Add	324.66	
	For Obscure Glass, Add	357.12	
08 53 13 00-0302	EA 72" x 52", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,563.26	101.43
	For Colored Vinyl, Add	136.04	
	For Tinted Glass, Add	163.25	
	For Low-E Insulated Glass, Add	340.10	
	For Obscure Glass, Add	374.11	
08 53 13 00-0303	EA 86" x 52", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,697.02	110.41
	For Colored Vinyl, Add	147.62	
	For Tinted Glass, Add	177.14	
	For Low-E Insulated Glass, Add	369.05	
	For Obscure Glass, Add	405.96	
08 53 13 00-0304	60" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0287)		
08 53 13 00-0305	EA 62" x 60", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,571.10	99.50
	For Colored Vinyl, Add	137.21	
	For Tinted Glass, Add	164.65	
	For Low-E Insulated Glass, Add	343.03	
	For Obscure Glass, Add	377.33	
08 53 13 00-0306	EA 72" x 60", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,648.94	105.92
	For Colored Vinyl, Add	143.71	
	For Tinted Glass, Add	172.45	
	For Low-E Insulated Glass, Add	359.28	
	For Obscure Glass, Add	395.20	
08 53 13 00-0307	EA 86" x 60", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,801.20	114.91
	For Colored Vinyl, Add	157.14	
	For Tinted Glass, Add	188.57	
	For Low-E Insulated Glass, Add	392.85	
	For Obscure Glass, Add	432.13	
08 53 13 00-0308	64" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0287)		
08 53 13 00-0309	EA 62" x 64", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,660.55	102.71
	For Colored Vinyl, Add	145.51	
	For Tinted Glass, Add	174.62	
	For Low-E Insulated Glass, Add	363.78	
	For Obscure Glass, Add	400.16	
08 53 13 00-0310	EA 72" x 64", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,738.34	109.13
	For Colored Vinyl, Add	152.01	
	For Tinted Glass, Add	182.41	
	For Low-E Insulated Glass, Add	380.02	
	For Obscure Glass, Add	418.02	
08 53 13 00-0311	EA 86" x 64", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,890.59	118.12
	For Colored Vinyl, Add	165.44	
	For Tinted Glass, Add	198.52	
	For Low-E Insulated Glass, Add	413.59	
	For Obscure Glass, Add	454.95	
08 53 13 00-0312	72" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0287)		
08 53 13 00-0313	EA 62" x 72", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,752.72	107.20
	For Colored Vinyl, Add	153.83	
	For Tinted Glass, Add	184.60	
	For Low-E Insulated Glass, Add	384.58	
	For Obscure Glass, Add	423.04	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0314	EA	72" x 72", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,830.51	113.62
		For Colored Vinyl, Add	160.33	
		For Tinted Glass, Add	192.39	
		For Low-E Insulated Glass, Add	400.82	
		For Obscure Glass, Add	440.90	
08 53 13 00-0315	EA	86" x 72", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,982.77	122.61
		For Colored Vinyl, Add	173.76	
		For Tinted Glass, Add	208.51	
		For Low-E Insulated Glass, Add	434.39	
		For Obscure Glass, Add	477.83	
08 53 13 00-0316		Replacement, Casement Vinyl Windows (Silver Line 7500) (08 53 13 00-0203)		
		Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0317		One Operating Sash, Replacement, Casement Vinyl Windows (Silver Line 7500) (08 53 13 00-0316)		
08 53 13 00-0318	EA	Up To 53" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500).....	646.28	54.57
		For Colored Vinyl, Add	53.72	
		For Tinted Glass, Add	64.46	
		For Low-E Insulated Glass, Add	134.29	
		For Obscure Glass, Add	147.72	
08 53 13 00-0319	EA	>53 To 63" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	733.87	60.99
		For Colored Vinyl, Add	61.19	
		For Tinted Glass, Add	73.43	
		For Low-E Insulated Glass, Add	152.98	
		For Obscure Glass, Add	168.27	
08 53 13 00-0320	EA	>63 To 73" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	813.01	67.40
		For Colored Vinyl, Add	67.82	
		For Tinted Glass, Add	81.38	
		For Low-E Insulated Glass, Add	169.55	
		For Obscure Glass, Add	186.51	
08 53 13 00-0321	EA	>73" To 83" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	883.69	73.82
		For Colored Vinyl, Add	73.61	
		For Tinted Glass, Add	88.33	
		For Low-E Insulated Glass, Add	184.01	
		For Obscure Glass, Add	202.41	
08 53 13 00-0322	EA	>83" To 93" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	945.94	80.24
		For Colored Vinyl, Add	78.55	
		For Tinted Glass, Add	94.26	
		For Low-E Insulated Glass, Add	196.37	
		For Obscure Glass, Add	216.00	
08 53 13 00-0323	EA	>93" To 101" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	983.69	86.66
		For Colored Vinyl, Add	81.04	
		For Tinted Glass, Add	97.24	
		For Low-E Insulated Glass, Add	202.59	
		For Obscure Glass, Add	222.85	
08 53 13 00-0324	UI	>101" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	9.69	0.83
		For Colored Vinyl, Add	0.80	
		For Tinted Glass, Add	0.96	
		For Low-E Insulated Glass, Add	2.01	
		For Obscure Glass, Add	2.21	
08 53 13 00-0325		Two Operating Sashes, Replacement, Casement Vinyl Windows (Silver Line 7500) (08 53 13 00-0316)		
08 53 13 00-0326	EA	Up To 73" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,075.04	67.40
		For Colored Vinyl, Add	94.02	
		For Tinted Glass, Add	112.83	
		For Low-E Insulated Glass, Add	235.06	
		For Obscure Glass, Add	258.56	
08 53 13 00-0327	EA	>73" To 83" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,181.62	73.82
		For Colored Vinyl, Add	103.40	
		For Tinted Glass, Add	124.08	
		For Low-E Insulated Glass, Add	258.50	
		For Obscure Glass, Add	284.34	
08 53 13 00-0328	EA	>83" To 93" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,279.76	80.24
		For Colored Vinyl, Add	111.93	
		For Tinted Glass, Add	134.31	
		For Low-E Insulated Glass, Add	279.82	
		For Obscure Glass, Add	307.80	
08 53 13 00-0329	EA	>93" To 101" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,346.23	86.66
		For Colored Vinyl, Add	117.29	
		For Tinted Glass, Add	140.75	
		For Low-E Insulated Glass, Add	293.23	
		For Obscure Glass, Add	322.55	
08 53 13 00-0330	EA	>101" To 110" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,417.14	93.08
		For Colored Vinyl, Add	123.10	
		For Tinted Glass, Add	147.72	
		For Low-E Insulated Glass, Add	307.75	
		For Obscure Glass, Add	338.52	
08 53 13 00-0331	EA	>110" To 120" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,491.21	99.50
		For Colored Vinyl, Add	129.22	
		For Tinted Glass, Add	155.07	
		For Low-E Insulated Glass, Add	323.05	
		For Obscure Glass, Add	355.36	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 53 13 00-0332	UI >120" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	12.44		0.83
	For Colored Vinyl, Add	1.08		
	For Tinted Glass, Add	1.29		
	For Low-E Insulated Glass, Add	2.69		
	For Obscure Glass, Add	2.96		
08 53 13 00-0333	Three Operating Sashes, Replacement, Casement Vinyl Windows (Silver Line 7500) (08 53 13 00-0316)			
08 53 13 00-0334	EA Up To 73" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	1,121.28		67.40
	For Colored Vinyl, Add	98.65		
	For Tinted Glass, Add	118.38		
	For Low-E Insulated Glass, Add	246.62		
	For Obscure Glass, Add	271.28		
08 53 13 00-0335	EA >73" To 83" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	1,232.93		73.82
	For Colored Vinyl, Add	108.53		
	For Tinted Glass, Add	130.23		
	For Low-E Insulated Glass, Add	271.32		
	For Obscure Glass, Add	298.45		
08 53 13 00-0336	EA >83" To 93" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	1,338.67		80.24
	For Colored Vinyl, Add	117.82		
	For Tinted Glass, Add	141.38		
	For Low-E Insulated Glass, Add	294.55		
	For Obscure Glass, Add	324.00		
08 53 13 00-0337	EA >93" To 101" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	1,410.21		86.66
	For Colored Vinyl, Add	123.69		
	For Tinted Glass, Add	148.43		
	For Low-E Insulated Glass, Add	309.22		
	For Obscure Glass, Add	340.14		
08 53 13 00-0338	EA >101" To 110" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	1,486.81		93.08
	For Colored Vinyl, Add	130.07		
	For Tinted Glass, Add	156.08		
	For Low-E Insulated Glass, Add	325.16		
	For Obscure Glass, Add	357.68		
08 53 13 00-0339	EA >110" To 120" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	1,567.22		99.50
	For Colored Vinyl, Add	136.82		
	For Tinted Glass, Add	164.19		
	For Low-E Insulated Glass, Add	342.06		
	For Obscure Glass, Add	376.26		
08 53 13 00-0340	UI >120" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	13.07		0.83
	For Colored Vinyl, Add	1.14		
	For Tinted Glass, Add	1.37		
	For Low-E Insulated Glass, Add	2.85		
	For Obscure Glass, Add	3.14		
08 53 13 00-0341	Awning Vinyl Windows (08 53 13)			
08 53 13 00-0342	New Construction, Awning Vinyl Windows (Silver Line 7450) (08 53 13 00-0341)			
	Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.			
08 53 13 00-0343	Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) (08 53 13 00-0342)			
08 53 13 00-0344	17" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) (08 53 13 00-0343)			
08 53 13 00-0345	EA 24" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	650.75		52.64
	For Colored Vinyl, Add	54.55		
	For Tinted Glass, Add	65.46		
	For Low-E Insulated Glass, Add	136.37		
	For Obscure Glass, Add	150.00		
08 53 13 00-0346	EA 28" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	681.22		55.21
	For Colored Vinyl, Add	57.08		
	For Tinted Glass, Add	68.50		
	For Low-E Insulated Glass, Add	142.70		
	For Obscure Glass, Add	156.97		
08 53 13 00-0347	EA 36" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	728.23		59.70
	For Colored Vinyl, Add	60.88		
	For Tinted Glass, Add	73.06		
	For Low-E Insulated Glass, Add	152.21		
	For Obscure Glass, Add	167.43		
08 53 13 00-0348	EA 40" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	758.54		62.91
	For Colored Vinyl, Add	63.27		
	For Tinted Glass, Add	75.93		
	For Low-E Insulated Glass, Add	158.18		
	For Obscure Glass, Add	174.00		
08 53 13 00-0349	EA 48" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	808.26		68.05
	For Colored Vinyl, Add	67.22		
	For Tinted Glass, Add	80.66		
	For Low-E Insulated Glass, Add	168.04		
	For Obscure Glass, Add	184.84		
08 53 13 00-0350	20" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) (08 53 13 00-0343)			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0351	EA	24" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	686.27	55.21	
		For Colored Vinyl, Add	57.71		
		For Tinted Glass, Add	69.26		
		For Low-E Insulated Glass, Add	144.29		
		For Obscure Glass, Add	158.71		
08 53 13 00-0352	EA	28" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	716.74	57.78	
		For Colored Vinyl, Add	60.25		
		For Tinted Glass, Add	72.30		
		For Low-E Insulated Glass, Add	150.62		
		For Obscure Glass, Add	165.68		
08 53 13 00-0353	EA	36" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	767.24	61.63	
		For Colored Vinyl, Add	64.40		
		For Tinted Glass, Add	77.28		
		For Low-E Insulated Glass, Add	161.00		
		For Obscure Glass, Add	177.10		
08 53 13 00-0354	EA	40" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	797.61	65.48	
		For Colored Vinyl, Add	66.79		
		For Tinted Glass, Add	80.15		
		For Low-E Insulated Glass, Add	166.99		
		For Obscure Glass, Add	183.68		
08 53 13 00-0355	EA	48" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	850.78	69.97	
		For Colored Vinyl, Add	71.08		
		For Tinted Glass, Add	85.30		
		For Low-E Insulated Glass, Add	177.71		
		For Obscure Glass, Add	195.48		
08 53 13 00-0356		24" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) (08 53 13 00-0343)			
08 53 13 00-0357	EA	24" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	708.97	57.78	
		For Colored Vinyl, Add	59.47		
		For Tinted Glass, Add	71.37		
		For Low-E Insulated Glass, Add	148.68		
		For Obscure Glass, Add	163.55		
08 53 13 00-0358	EA	28" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	739.46	60.34	
		For Colored Vinyl, Add	62.01		
		For Tinted Glass, Add	74.41		
		For Low-E Insulated Glass, Add	155.01		
		For Obscure Glass, Add	170.51		
08 53 13 00-0359	EA	36" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	791.72	64.19	
		For Colored Vinyl, Add	66.33		
		For Tinted Glass, Add	79.60		
		For Low-E Insulated Glass, Add	165.83		
		For Obscure Glass, Add	182.42		
08 53 13 00-0360	EA	40" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	824.92	68.05	
		For Colored Vinyl, Add	69.01		
		For Tinted Glass, Add	82.81		
		For Low-E Insulated Glass, Add	172.53		
		For Obscure Glass, Add	189.78		
08 53 13 00-0361	EA	48" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	878.81	72.53	
		For Colored Vinyl, Add	73.37		
		For Tinted Glass, Add	88.05		
		For Low-E Insulated Glass, Add	183.43		
		For Obscure Glass, Add	201.78		
08 53 13 00-0362		28" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) (08 53 13 00-0343)			
08 53 13 00-0363	EA	24" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	731.73	60.34	
		For Colored Vinyl, Add	61.23		
		For Tinted Glass, Add	73.48		
		For Low-E Insulated Glass, Add	153.08		
		For Obscure Glass, Add	168.39		
08 53 13 00-0364	EA	28" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	762.20	62.91	
		For Colored Vinyl, Add	63.77		
		For Tinted Glass, Add	76.52		
		For Low-E Insulated Glass, Add	159.42		
		For Obscure Glass, Add	175.36		
08 53 13 00-0365	EA	36" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	816.24	66.76	
		For Colored Vinyl, Add	68.27		
		For Tinted Glass, Add	81.93		
		For Low-E Insulated Glass, Add	170.68		
		For Obscure Glass, Add	187.75		
08 53 13 00-0366	EA	40" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	852.05	70.61	
		For Colored Vinyl, Add	71.21		
		For Tinted Glass, Add	85.45		
		For Low-E Insulated Glass, Add	178.03		
		For Obscure Glass, Add	195.83		
08 53 13 00-0367	EA	48" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	906.83	75.11	
		For Colored Vinyl, Add	75.66		
		For Tinted Glass, Add	90.79		
		For Low-E Insulated Glass, Add	189.16		
		For Obscure Glass, Add	208.07		
08 53 13 00-0368		36" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) (08 53 13 00-0343)			

08 Openings**08 50 Windows****08 53 Plastic Windows**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 53 13 00-0369	EA	36" x 36", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	863.91	71.26
		For Colored Vinyl, Add	72.14	
		For Tinted Glass, Add	86.57	
		For Low-E Insulated Glass, Add	180.35	
		For Obscure Glass, Add	198.39	
08 53 13 00-0370	EA	40" x 36", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	899.76	74.47
		For Colored Vinyl, Add	75.08	
		For Tinted Glass, Add	90.10	
		For Low-E Insulated Glass, Add	187.71	
		For Obscure Glass, Add	206.48	
08 53 13 00-0371	EA	48" x 36", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	958.05	79.60
		For Colored Vinyl, Add	79.89	
		For Tinted Glass, Add	95.86	
		For Low-E Insulated Glass, Add	199.71	
		For Obscure Glass, Add	219.68	

08 53 13 00-0372 Replacement, Awning Vinyl Windows (Silver Line 7400) (08 53 13 00-0341)

 Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen.
 Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).

08 53 13 00-0373	EA	Up To 53" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	679.85	54.57
		For Colored Vinyl, Add	57.07	
		For Tinted Glass, Add	68.49	
		For Low-E Insulated Glass, Add	142.68	
		For Obscure Glass, Add	156.95	
08 53 13 00-0374	EA	>53" To 63" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	787.08	60.99
		For Colored Vinyl, Add	66.51	
		For Tinted Glass, Add	79.81	
		For Low-E Insulated Glass, Add	166.28	
		For Obscure Glass, Add	182.91	
08 53 13 00-0375	EA	>63" To 73" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	890.08	67.40
		For Colored Vinyl, Add	75.53	
		For Tinted Glass, Add	90.63	
		For Low-E Insulated Glass, Add	188.82	
		For Obscure Glass, Add	207.70	
08 53 13 00-0376	EA	>73" To 83" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	988.84	73.82
		For Colored Vinyl, Add	84.12	
		For Tinted Glass, Add	100.94	
		For Low-E Insulated Glass, Add	210.30	
		For Obscure Glass, Add	231.33	
08 53 13 00-0377	EA	>83" To 93" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	1,083.39	80.24
		For Colored Vinyl, Add	92.29	
		For Tinted Glass, Add	110.75	
		For Low-E Insulated Glass, Add	230.73	
		For Obscure Glass, Add	253.80	
08 53 13 00-0378	EA	>93" To 101" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	1,132.97	86.66
		For Colored Vinyl, Add	95.97	
		For Tinted Glass, Add	115.16	
		For Low-E Insulated Glass, Add	239.91	
		For Obscure Glass, Add	263.90	
08 53 13 00-0379	UI	>101" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	11.17	0.83
		For Colored Vinyl, Add	0.95	
		For Tinted Glass, Add	1.14	
		For Low-E Insulated Glass, Add	2.38	
		For Obscure Glass, Add	2.61	

08 53 13 00-0380 Horizontal Sliding Vinyl Windows (08 53 13)
08 53 13 00-0381 New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) (08 53 13 00-0380)

 Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen.
 Excludes grilles.

08 53 13 00-0382 20" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) (08 53 13 00-0381)

08 53 13 00-0383	EA	36" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	379.48	62.91
		For Colored Vinyl, Add	25.49	
		For Tinted Glass, Add	30.59	
		For Low-E Insulated Glass, Add	63.74	
		For Obscure Glass, Add	70.11	
08 53 13 00-0384	EA	48" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	419.88	70.61
		For Colored Vinyl, Add	27.99	
		For Tinted Glass, Add	33.59	
		For Low-E Insulated Glass, Add	69.99	
		For Obscure Glass, Add	76.98	
08 53 13 00-0385	EA	54" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	440.08	73.82
		For Colored Vinyl, Add	29.24	
		For Tinted Glass, Add	35.09	
		For Low-E Insulated Glass, Add	73.11	
		For Obscure Glass, Add	80.42	
08 53 13 00-0386	EA	60" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	460.29	77.68
		For Colored Vinyl, Add	30.49	
		For Tinted Glass, Add	36.59	
		For Low-E Insulated Glass, Add	76.24	
		For Obscure Glass, Add	83.86	
08 53 13 00-0387	EA	64" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	473.73	80.88
		For Colored Vinyl, Add	31.33	
		For Tinted Glass, Add	37.59	
		For Low-E Insulated Glass, Add	78.31	
		For Obscure Glass, Add	86.14	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0388	EA	72" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	500.69	85.38
		For Colored Vinyl, Add	32.99	
		For Tinted Glass, Add	39.59	
		For Low-E Insulated Glass, Add	82.49	
		For Obscure Glass, Add	90.73	
08 53 13 00-0389 24" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) (08 53 13 00-0381)				
08 53 13 00-0390	EA	36" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	398.67	65.48
		For Colored Vinyl, Add	26.90	
		For Tinted Glass, Add	32.28	
		For Low-E Insulated Glass, Add	67.25	
		For Obscure Glass, Add	73.98	
08 53 13 00-0391	EA	48" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	440.22	73.18
		For Colored Vinyl, Add	29.51	
		For Tinted Glass, Add	35.42	
		For Low-E Insulated Glass, Add	73.79	
		For Obscure Glass, Add	81.16	
08 53 13 00-0392	EA	54" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	461.14	76.39
		For Colored Vinyl, Add	30.84	
		For Tinted Glass, Add	37.00	
		For Low-E Insulated Glass, Add	77.09	
		For Obscure Glass, Add	84.80	
08 53 13 00-0393	EA	60" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	481.80	80.24
		For Colored Vinyl, Add	32.13	
		For Tinted Glass, Add	38.56	
		For Low-E Insulated Glass, Add	80.33	
		For Obscure Glass, Add	88.36	
08 53 13 00-0394	EA	64" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	495.64	83.45
		For Colored Vinyl, Add	33.00	
		For Tinted Glass, Add	39.60	
		For Low-E Insulated Glass, Add	82.51	
		For Obscure Glass, Add	90.76	
08 53 13 00-0395	EA	72" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	523.35	87.95
		For Colored Vinyl, Add	34.75	
		For Tinted Glass, Add	41.70	
		For Low-E Insulated Glass, Add	86.87	
		For Obscure Glass, Add	95.55	
08 53 13 00-0396 36" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) (08 53 13 00-0381)				
08 53 13 00-0397	EA	36" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	456.65	73.18
		For Colored Vinyl, Add	31.16	
		For Tinted Glass, Add	37.39	
		For Low-E Insulated Glass, Add	77.89	
		For Obscure Glass, Add	85.68	
08 53 13 00-0398	EA	48" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	501.86	80.88
		For Colored Vinyl, Add	34.14	
		For Tinted Glass, Add	40.97	
		For Low-E Insulated Glass, Add	85.35	
		For Obscure Glass, Add	93.88	
08 53 13 00-0399	EA	54" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	524.52	84.09
		For Colored Vinyl, Add	35.63	
		For Tinted Glass, Add	42.76	
		For Low-E Insulated Glass, Add	89.08	
		For Obscure Glass, Add	97.99	
08 53 13 00-0400	EA	60" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	547.13	87.95
		For Colored Vinyl, Add	37.12	
		For Tinted Glass, Add	44.55	
		For Low-E Insulated Glass, Add	92.81	
		For Obscure Glass, Add	102.09	
08 53 13 00-0401	EA	64" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	562.22	89.87
		For Colored Vinyl, Add	38.12	
		For Tinted Glass, Add	45.74	
		For Low-E Insulated Glass, Add	95.30	
		For Obscure Glass, Add	104.83	
08 53 13 00-0402	EA	72" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	592.39	95.65
		For Colored Vinyl, Add	40.11	
		For Tinted Glass, Add	48.13	
		For Low-E Insulated Glass, Add	100.27	
		For Obscure Glass, Add	110.30	
08 53 13 00-0403 42" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) (08 53 13 00-0381)				
08 53 13 00-0404	EA	36" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	485.63	77.03
		For Colored Vinyl, Add	33.29	
		For Tinted Glass, Add	39.94	
		For Low-E Insulated Glass, Add	83.21	
		For Obscure Glass, Add	91.53	
08 53 13 00-0405	EA	48" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	532.71	84.74
		For Colored Vinyl, Add	36.45	
		For Tinted Glass, Add	43.74	
		For Low-E Insulated Glass, Add	91.13	
		For Obscure Glass, Add	100.24	

08 Openings**08 50 Windows****08 53 Plastic Windows**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 53 13 00-0406	EA	54" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	556.29	87.95
		For Colored Vinyl, Add	38.04	
		For Tinted Glass, Add	45.65	
		For Low-E Insulated Glass, Add	95.10	
		For Obscure Glass, Add	104.61	
08 53 13 00-0407	EA	60" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	579.82	91.80
		For Colored Vinyl, Add	39.62	
		For Tinted Glass, Add	47.55	
		For Low-E Insulated Glass, Add	99.06	
		For Obscure Glass, Add	108.96	
08 53 13 00-0408	EA	64" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	595.48	95.01
		For Colored Vinyl, Add	40.68	
		For Tinted Glass, Add	48.81	
		For Low-E Insulated Glass, Add	101.69	
		For Obscure Glass, Add	111.86	
08 53 13 00-0409	EA	72" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	626.91	99.50
		For Colored Vinyl, Add	42.79	
		For Tinted Glass, Add	51.35	
		For Low-E Insulated Glass, Add	106.98	
		For Obscure Glass, Add	117.68	

08 53 13 00-0410 44" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800)
(08 53 13 00-0381)

08 53 13 00-0411	EA	36" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	495.29	78.32
		For Colored Vinyl, Add	33.99	
		For Tinted Glass, Add	40.79	
		For Low-E Insulated Glass, Add	84.99	
		For Obscure Glass, Add	93.48	
08 53 13 00-0412	EA	48" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	543.00	86.02
		For Colored Vinyl, Add	37.23	
		For Tinted Glass, Add	44.67	
		For Low-E Insulated Glass, Add	93.06	
		For Obscure Glass, Add	102.37	
08 53 13 00-0413	EA	54" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	566.84	89.22
		For Colored Vinyl, Add	38.84	
		For Tinted Glass, Add	46.61	
		For Low-E Insulated Glass, Add	97.10	
		For Obscure Glass, Add	106.80	
08 53 13 00-0414	EA	60" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	590.71	93.08
		For Colored Vinyl, Add	40.46	
		For Tinted Glass, Add	48.55	
		For Low-E Insulated Glass, Add	101.14	
		For Obscure Glass, Add	111.25	
08 53 13 00-0415	EA	64" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	606.62	96.29
		For Colored Vinyl, Add	41.53	
		For Tinted Glass, Add	49.84	
		For Low-E Insulated Glass, Add	103.83	
		For Obscure Glass, Add	114.21	
08 53 13 00-0416	EA	72" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	638.39	100.78
		For Colored Vinyl, Add	43.68	
		For Tinted Glass, Add	52.42	
		For Low-E Insulated Glass, Add	109.21	
		For Obscure Glass, Add	120.13	

08 53 13 00-0417 46" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800)
(08 53 13 00-0381)

08 53 13 00-0418	EA	36" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	504.96	79.60
		For Colored Vinyl, Add	34.70	
		For Tinted Glass, Add	41.64	
		For Low-E Insulated Glass, Add	86.76	
		For Obscure Glass, Add	95.44	
08 53 13 00-0419	EA	48" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	553.25	87.30
		For Colored Vinyl, Add	37.99	
		For Tinted Glass, Add	45.59	
		For Low-E Insulated Glass, Add	94.98	
		For Obscure Glass, Add	104.48	
08 53 13 00-0420	EA	54" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	577.42	90.51
		For Colored Vinyl, Add	39.64	
		For Tinted Glass, Add	47.57	
		For Low-E Insulated Glass, Add	99.10	
		For Obscure Glass, Add	109.01	
08 53 13 00-0421	EA	60" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	601.56	94.37
		For Colored Vinyl, Add	41.28	
		For Tinted Glass, Add	49.54	
		For Low-E Insulated Glass, Add	103.21	
		For Obscure Glass, Add	113.53	
08 53 13 00-0422	EA	64" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	617.67	97.57
		For Colored Vinyl, Add	42.38	
		For Tinted Glass, Add	50.86	
		For Low-E Insulated Glass, Add	105.95	
		For Obscure Glass, Add	116.55	
08 53 13 00-0423	EA	72" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	649.90	102.07
		For Colored Vinyl, Add	44.58	
		For Tinted Glass, Add	53.49	
		For Low-E Insulated Glass, Add	111.44	
		For Obscure Glass, Add	122.59	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST

08 53 13 00-0424 48" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) (08 53 13 00-0381)

08 53 13 00-0425	EA	36" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	514.61	80.88
		For Colored Vinyl, Add	35.41	
		For Tinted Glass, Add	42.50	
		For Low-E Insulated Glass, Add	88.53	
		For Obscure Glass, Add	97.39	
08 53 13 00-0426	EA	48" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	563.55	88.59
		For Colored Vinyl, Add	38.77	
		For Tinted Glass, Add	46.52	
		For Low-E Insulated Glass, Add	96.92	
		For Obscure Glass, Add	106.61	
08 53 13 00-0427	EA	54" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	588.02	91.80
		For Colored Vinyl, Add	40.44	
		For Tinted Glass, Add	48.53	
		For Low-E Insulated Glass, Add	101.11	
		For Obscure Glass, Add	111.22	
08 53 13 00-0428	EA	60" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	612.45	95.65
		For Colored Vinyl, Add	42.12	
		For Tinted Glass, Add	50.54	
		For Low-E Insulated Glass, Add	105.29	
		For Obscure Glass, Add	115.82	
08 53 13 00-0429	EA	64" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	628.78	98.86
		For Colored Vinyl, Add	43.23	
		For Tinted Glass, Add	51.88	
		For Low-E Insulated Glass, Add	108.09	
		For Obscure Glass, Add	118.89	
08 53 13 00-0430	EA	72" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	661.43	103.35
		For Colored Vinyl, Add	45.47	
		For Tinted Glass, Add	54.57	
		For Low-E Insulated Glass, Add	113.68	
		For Obscure Glass, Add	125.05	

08 53 13 00-0431 50" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) (08 53 13 00-0381)

08 53 13 00-0432	EA	36" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	524.29	82.17
		For Colored Vinyl, Add	36.12	
		For Tinted Glass, Add	43.35	
		For Low-E Insulated Glass, Add	90.31	
		For Obscure Glass, Add	99.34	
08 53 13 00-0433	EA	48" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	573.81	89.87
		For Colored Vinyl, Add	39.54	
		For Tinted Glass, Add	47.44	
		For Low-E Insulated Glass, Add	98.84	
		For Obscure Glass, Add	108.72	
08 53 13 00-0434	EA	54" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	598.57	93.08
		For Colored Vinyl, Add	41.24	
		For Tinted Glass, Add	49.49	
		For Low-E Insulated Glass, Add	103.10	
		For Obscure Glass, Add	113.41	
08 53 13 00-0435	EA	60" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	623.33	96.93
		For Colored Vinyl, Add	42.95	
		For Tinted Glass, Add	51.54	
		For Low-E Insulated Glass, Add	107.37	
		For Obscure Glass, Add	118.10	
08 53 13 00-0436	EA	64" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	639.87	100.14
		For Colored Vinyl, Add	44.09	
		For Tinted Glass, Add	52.90	
		For Low-E Insulated Glass, Add	110.22	
		For Obscure Glass, Add	121.24	
08 53 13 00-0437	EA	72" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	672.90	104.64
		For Colored Vinyl, Add	46.36	
		For Tinted Glass, Add	55.64	
		For Low-E Insulated Glass, Add	115.91	
		For Obscure Glass, Add	127.50	

08 53 13 00-0438 52" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) (08 53 13 00-0381)

08 53 13 00-0439	EA	36" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	533.94	83.45
		For Colored Vinyl, Add	36.83	
		For Tinted Glass, Add	44.20	
		For Low-E Insulated Glass, Add	92.08	
		For Obscure Glass, Add	101.29	
08 53 13 00-0440	EA	48" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	584.10	91.16
		For Colored Vinyl, Add	40.31	
		For Tinted Glass, Add	48.37	
		For Low-E Insulated Glass, Add	100.77	
		For Obscure Glass, Add	110.85	
08 53 13 00-0441	EA	54" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	609.16	94.37
		For Colored Vinyl, Add	42.04	
		For Tinted Glass, Add	50.45	
		For Low-E Insulated Glass, Add	105.11	
		For Obscure Glass, Add	115.62	

08 Openings**08 50 Windows****08 53 Plastic Windows**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 53 13 00-0442	EA	60" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	634.27	98.22
		For Colored Vinyl, Add	43.78	
		For Tinted Glass, Add	52.54	
		For Low-E Insulated Glass, Add	109.46	
		For Obscure Glass, Add	120.40	
08 53 13 00-0443	EA	64" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	650.97	101.43
		For Colored Vinyl, Add	44.94	
		For Tinted Glass, Add	53.93	
		For Low-E Insulated Glass, Add	112.35	
		For Obscure Glass, Add	123.59	
08 53 13 00-0444	EA	72" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	684.42	105.92
		For Colored Vinyl, Add	47.26	
		For Tinted Glass, Add	56.71	
		For Low-E Insulated Glass, Add	118.15	
		For Obscure Glass, Add	129.96	

08 53 13 00-0445 54" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800)
(08 53 13 00-0381)

08 53 13 00-0446	EA	36" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	543.61	84.74
		For Colored Vinyl, Add	37.54	
		For Tinted Glass, Add	45.05	
		For Low-E Insulated Glass, Add	93.86	
		For Obscure Glass, Add	103.24	
08 53 13 00-0447	EA	48" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	594.35	92.44
		For Colored Vinyl, Add	41.08	
		For Tinted Glass, Add	49.29	
		For Low-E Insulated Glass, Add	102.69	
		For Obscure Glass, Add	112.96	
08 53 13 00-0448	EA	54" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	619.76	95.65
		For Colored Vinyl, Add	42.85	
		For Tinted Glass, Add	51.42	
		For Low-E Insulated Glass, Add	107.12	
		For Obscure Glass, Add	117.83	
08 53 13 00-0449	EA	60" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	645.15	99.50
		For Colored Vinyl, Add	44.62	
		For Tinted Glass, Add	53.54	
		For Low-E Insulated Glass, Add	111.54	
		For Obscure Glass, Add	122.69	
08 53 13 00-0450	EA	64" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	662.06	102.71
		For Colored Vinyl, Add	45.79	
		For Tinted Glass, Add	54.95	
		For Low-E Insulated Glass, Add	114.48	
		For Obscure Glass, Add	125.93	
08 53 13 00-0451	EA	72" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	695.90	107.20
		For Colored Vinyl, Add	48.15	
		For Tinted Glass, Add	57.78	
		For Low-E Insulated Glass, Add	120.38	
		For Obscure Glass, Add	132.41	

08 53 13 00-0452 60" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800)
(08 53 13 00-0381)

08 53 13 00-0453	EA	36" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	591.30	88.59
		For Colored Vinyl, Add	41.54	
		For Tinted Glass, Add	49.85	
		For Low-E Insulated Glass, Add	103.85	
		For Obscure Glass, Add	114.24	
08 53 13 00-0454	EA	48" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	625.20	96.29
		For Colored Vinyl, Add	43.39	
		For Tinted Glass, Add	52.07	
		For Low-E Insulated Glass, Add	108.48	
		For Obscure Glass, Add	119.32	
08 53 13 00-0455	EA	54" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	651.53	99.50
		For Colored Vinyl, Add	45.25	
		For Tinted Glass, Add	54.30	
		For Low-E Insulated Glass, Add	113.13	
		For Obscure Glass, Add	124.45	
08 53 13 00-0456	EA	60" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	677.82	103.35
		For Colored Vinyl, Add	47.11	
		For Tinted Glass, Add	56.53	
		For Low-E Insulated Glass, Add	117.78	
		For Obscure Glass, Add	129.56	
08 53 13 00-0457	EA	64" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	695.36	106.56
		For Colored Vinyl, Add	48.35	
		For Tinted Glass, Add	58.02	
		For Low-E Insulated Glass, Add	120.88	
		For Obscure Glass, Add	132.97	
08 53 13 00-0458	EA	72" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	730.42	111.05
		For Colored Vinyl, Add	50.83	
		For Tinted Glass, Add	61.00	
		For Low-E Insulated Glass, Add	127.08	
		For Obscure Glass, Add	139.79	

08 53 13 00-0459 Replacement, Horizontal Sliding Vinyl Windows (Silver Line 8700)
(08 53 13 00-0380)
 Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen.
 Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).

	Openings	08	08
	Windows	08 50	
	Plastic Windows	08 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0460	EA		Up To 73" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700).....	612.63	67.40
			For Colored Vinyl, Add	47.78	
			For Tinted Glass, Add	57.34	
			For Low-E Insulated Glass, Add	119.46	
			For Obscure Glass, Add	131.40	
08 53 13 00-0461	EA		>73" To 83" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700).....	673.39	73.82
			For Colored Vinyl, Add	52.58	
			For Tinted Glass, Add	63.09	
			For Low-E Insulated Glass, Add	131.44	
			For Obscure Glass, Add	144.58	
08 53 13 00-0462	EA		>83" To 93" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700).....	729.94	80.24
			For Colored Vinyl, Add	56.95	
			For Tinted Glass, Add	68.34	
			For Low-E Insulated Glass, Add	142.37	
			For Obscure Glass, Add	156.60	
08 53 13 00-0463	EA		>93" To 101" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700).....	770.44	86.66
			For Colored Vinyl, Add	59.71	
			For Tinted Glass, Add	71.65	
			For Low-E Insulated Glass, Add	149.28	
			For Obscure Glass, Add	164.21	
08 53 13 00-0464	EA		>101" To 110" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700).....	813.26	93.08
			For Colored Vinyl, Add	62.71	
			For Tinted Glass, Add	75.25	
			For Low-E Insulated Glass, Add	156.78	
			For Obscure Glass, Add	172.45	
08 53 13 00-0465	EA		>110" To 120" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700).....	883.11	99.50
			For Colored Vinyl, Add	68.41	
			For Tinted Glass, Add	82.09	
			For Low-E Insulated Glass, Add	171.03	
			For Obscure Glass, Add	188.13	
08 53 13 00-0466	UI		>120" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700).....	7.37	0.83
			For Colored Vinyl, Add	0.57	
			For Tinted Glass, Add	0.68	
			For Low-E Insulated Glass, Add	1.43	
			For Obscure Glass, Add	1.57	
08 53 13 00-0467			Basement Vinyl Windows (08 53 13)		
08 53 13 00-0468			New Construction, Basement Vinyl Windows (Silver Line 5900) (08 53 13 00-0467)		
			Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 53 13 00-0469	EA		32" x 15", New Construction, Basement Vinyl Window (Silver Line 5900).....	356.08	51.36
			For Colored Vinyl, Add	25.34	
			For Tinted Glass, Add	30.40	
			For Low-E Insulated Glass, Add	63.34	
			For Obscure Glass, Add	69.68	
08 53 13 00-0470	EA		32" x 20", New Construction, Basement Vinyl Window (Silver Line 5900).....	385.64	51.36
			For Colored Vinyl, Add	28.29	
			For Tinted Glass, Add	33.95	
			For Low-E Insulated Glass, Add	70.73	
			For Obscure Glass, Add	77.81	
08 53 13 00-0471	EA		32" x 23", New Construction, Basement Vinyl Window (Silver Line 5900).....	402.54	51.36
			For Colored Vinyl, Add	29.98	
			For Tinted Glass, Add	35.98	
			For Low-E Insulated Glass, Add	74.96	
			For Obscure Glass, Add	82.45	
08 53 13 00-0472			Replacement, Basement Vinyl Windows (08 53 13 00-0467)		
			Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0473	EA		Up To 47" UI, Replacement, Basement Vinyl Window.....	459.09	50.07
			For Colored Vinyl, Add	35.90	
			For Tinted Glass, Add	43.07	
			For Low-E Insulated Glass, Add	89.74	
			For Obscure Glass, Add	98.71	
08 53 13 00-0474	EA		>47" To 55" UI, Replacement, Basement Vinyl Window.....	510.39	57.78
			For Colored Vinyl, Add	39.48	
			For Tinted Glass, Add	47.38	
			For Low-E Insulated Glass, Add	98.71	
			For Obscure Glass, Add	108.58	
08 53 13 00-0475	UI		>55" UI, Replacement, Basement Vinyl Window.....	8.85	0.83
			For Colored Vinyl, Add	0.72	
			For Tinted Glass, Add	0.86	
			For Low-E Insulated Glass, Add	1.80	
			For Obscure Glass, Add	1.97	
08 53 13 00-0476			Accessories For Vinyl Windows (08 53 13)		
08 53 13 00-0477			Factory Installed Grilles For Vinyl Windows (08 53 13 00-0476)		
08 53 13 00-0478			Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows (08 53 13 00-0477)		
08 53 13 00-0479	EA		Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows.....	59.12	
08 53 13 00-0480	EA		>9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows.....	76.01	
08 53 13 00-0481	EA		>18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows.....	97.89	
08 53 13 00-0482	EA		>24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows.....	115.55	
08 53 13 00-0483	EA		>36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows.....	142.04	

08	08	Openings
	08 50	Windows
	08 53	Plastic Windows

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 53 13 00-0484 Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows (08 53 13 00-0477)

08 53 13 00-0485	EA	Up To 9 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows	134.36	
08 53 13 00-0486	EA	>9 To 18 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows	161.24	
08 53 13 00-0487	EA	>18 To 24 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows	203.47	
08 53 13 00-0488	EA	>24 To 36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows	253.37	
08 53 13 00-0489	EA	>36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows	303.28	

08 53 66 Vinyl Window Screens (08 53)

08 53 66 00-0001 Insect Screens For Vinyl Windows (08 53 66)

08 53 66 00-0002	EA	Up To 6 SF, Insect Screen For Vinyl Windows	56.33	8.97
08 53 66 00-0003	EA	>6 To 9 SF, Insect Screen For Vinyl Windows	79.36	8.97
08 53 66 00-0004	EA	>9 To 12 SF, Insect Screen For Vinyl Windows	87.04	8.97
08 53 66 00-0005	EA	>12 To 15 SF, Insect Screen For Vinyl Windows	102.40	8.97
08 53 66 00-0006	EA	>15 To 20 SF, Insect Screen For Vinyl Windows	136.95	8.97
08 53 66 00-0007	EA	>20 To 25 SF, Insect Screen For Vinyl Windows	152.30	8.97
08 53 66 00-0008	EA	>25 To 30 SF, Insect Screen For Vinyl Windows	175.34	8.97
08 53 66 00-0009	EA	>30 To 35 SF, Insect Screen For Vinyl Windows	190.70	8.97
08 53 66 00-0010	SF	>35 SF, Insect Screen For Vinyl Windows	5.82	0.18

08 56 Special Function Windows (08 50)

08 56 19 Pass Windows (08 56)

08 56 19 00-0001 Bullet Resistant Pass Through Service Window, Steel Frame (08 56 19)

Note: Secure air passage for voice transmission; Natural Voice Transmission (NVR)

08 56 19 00-0002	EA	24" x 36", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame	4,772.78	655.84
		For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	45.00	
		For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	295.00	
08 56 19 00-0003	EA	30" x 36", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame	5,263.46	710.49
		For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	60.00	
		For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	370.00	
08 56 19 00-0004	EA	36" x 36", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame	5,532.86	765.15
		For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	70.00	
		For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	445.00	
08 56 19 00-0005	EA	48" x 40", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame	6,931.46	874.46
		For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	100.00	
		For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	650.00	
08 56 19 00-0006	EA	72" x 40", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame	9,332.67	1,311.69
		For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	150.00	
		For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	975.00	

08 56 49 Radiation Shielding Windows (08 56)

08 56 49 00-0001 Lead Lined Window Frames (08 56 49)

08 56 49 00-0002	LF	1/8" Lead Lined, 16 Gauge Telescoping Window Frame	61.45	9.63
08 56 49 00-0003	LF	1/16" Lead Lined, 16 Gauge Telescoping Window Frame	54.52	9.63

08 56 56 Security Window Screens (08 56)

Note: Includes frame and mounting hardware. Operable security screens include hinges and related hardware.

08 56 56 00-0001 Wire Mesh Security Screen (08 56 56)

08 56 56 00-0002 Wire Mesh, Inoperable, Security Window Screen (08 56 56 00-0001)

08 56 56 00-0003	SF	13 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen	29.11	4.92
		For Painted Steel, Add	2.26	
		For Galvanized Steel, Add	4.51	
		For Aluminum, Add	9.02	
		For Stainless Steel, Add	39.46	
08 56 56 00-0004	SF	11 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen	29.76	4.92
		For Painted Steel, Add	2.32	
		For Galvanized Steel, Add	4.64	
		For Aluminum, Add	9.28	
		For Stainless Steel, Add	40.60	
08 56 56 00-0005	SF	9 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen	32.74	4.92
		For Painted Steel, Add	2.62	
		For Galvanized Steel, Add	5.24	
		For Aluminum, Add	10.47	
		For Stainless Steel, Add	45.82	
08 56 56 00-0006	SF	6 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen	39.10	4.92
		For Painted Steel, Add	3.25	
		For Galvanized Steel, Add	6.51	
		For Aluminum, Add	13.02	
		For Stainless Steel, Add	56.95	

08 56 56 00-0007 Wire Mesh, Operable, Security Window Screen (08 56 56 00-0001)

		Openings	08	08
		Windows	08 50	
		Special Function Windows	08 56	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 56 56 00-0008	SF	13 Gauge, Wire Mesh, Operable, Steel Security Window Screen	40.86	6.01
		For Painted Steel, Add	3.21	
		For Galvanized Steel, Add	6.42	
		For Aluminum, Add	12.85	
		For Stainless Steel, Add	56.21	
08 56 56 00-0009	SF	11 Gauge, Wire Mesh, Operable, Steel Security Window Screen	41.85	6.01
		For Painted Steel, Add	3.31	
		For Galvanized Steel, Add	6.62	
		For Aluminum, Add	13.24	
		For Stainless Steel, Add	57.94	
08 56 56 00-0010	SF	9 Gauge, Wire Mesh, Operable, Steel Security Window Screen	46.11	6.01
		For Painted Steel, Add	3.74	
		For Galvanized Steel, Add	7.47	
		For Aluminum, Add	14.95	
		For Stainless Steel, Add	65.40	
08 56 56 00-0011	SF	6 Gauge, Wire Mesh, Operable, Steel Security Window Screen	55.04	6.01
		For Painted Steel, Add	4.63	
		For Galvanized Steel, Add	9.26	
		For Aluminum, Add	18.52	
		For Stainless Steel, Add	81.03	
08 56 56 00-0012		Wire Cloth Security Screen (08 56 56)		
		Note: Wire cloth has from 10 to 12 strands per 1".		
08 56 56 00-0013		Wire Cloth, Inoperable, Security Window Screens (08 56 56 00-0012)		
08 56 56 00-0014	SF	24 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen	18.92	3.28
		For Painted Steel, Add	0.67	
		For Galvanized Steel, Add	2.02	
		For Aluminum, Add	4.04	
		For Stainless Steel, Add	16.81	
08 56 56 00-0015	SF	22 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen	19.83	3.28
		For Painted Steel, Add	0.72	
		For Galvanized Steel, Add	2.15	
		For Aluminum, Add	4.31	
		For Stainless Steel, Add	17.95	
08 56 56 00-0016	SF	20 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen	21.25	3.28
		For Painted Steel, Add	0.79	
		For Galvanized Steel, Add	2.37	
		For Aluminum, Add	4.73	
		For Stainless Steel, Add	19.73	
08 56 56 00-0017	SF	18 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen	23.96	3.28
		For Painted Steel, Add	0.92	
		For Galvanized Steel, Add	2.77	
		For Aluminum, Add	5.55	
		For Stainless Steel, Add	23.11	
08 56 56 00-0018		Wire Cloth, Operable, Security Window Screens (08 56 56 00-0012)		
08 56 56 00-0019	SF	24 Gauge, Wire Cloth, Operable, Steel Security Window Screen.....	25.73	4.37
		For Painted Steel, Add	0.96	
		For Galvanized Steel, Add	2.88	
		For Aluminum, Add	5.75	
		For Stainless Steel, Add	23.96	
08 56 56 00-0020	SF	22 Gauge, Wire Cloth, Operable, Steel Security Window Screen.....	27.12	4.37
		For Painted Steel, Add	1.03	
		For Galvanized Steel, Add	3.08	
		For Aluminum, Add	6.17	
		For Stainless Steel, Add	25.70	
08 56 56 00-0021	SF	20 Gauge, Wire Cloth, Operable, Steel Security Window Screen.....	29.06	4.37
		For Painted Steel, Add	1.13	
		For Galvanized Steel, Add	3.38	
		For Aluminum, Add	6.75	
		For Stainless Steel, Add	28.13	
08 56 56 00-0022	SF	18 Gauge, Wire Cloth, Operable, Steel Security Window Screen.....	32.94	4.37
		For Painted Steel, Add	1.32	
		For Galvanized Steel, Add	3.96	
		For Aluminum, Add	7.91	
		For Stainless Steel, Add	32.98	
08 56 56 00-0023		Expanded Metal Security Screen (08 56 56)		
		Note: Flattened or standard pattern. Dimension given is the short distance across the opening (SWO). The # designation is the pattern number of the expanded metal and is not the gauge.		
08 56 56 00-0024		Expanded Metal, Inoperable, Security Screen (08 56 56 00-0023)		
08 56 56 00-0025	SF	1/4" #18, Thickness 0.04" Expanded Metal, Inoperable, Steel Security Window Screen	36.09	8.20
		For Painted Steel, Add	1.31	
		For Galvanized Steel, Add	3.94	
		For Aluminum, Add	7.88	
		For Stainless Steel, Add	32.81	
08 56 56 00-0026	SF	1/2" #13, Thickness 0.07" Expanded Metal, Inoperable, Steel Security Window Screen	42.03	9.84
		For Painted Steel, Add	1.50	
		For Galvanized Steel, Add	4.50	
		For Aluminum, Add	9.00	
		For Stainless Steel, Add	37.50	

08 Openings**08 50 Windows****08 56 Special Function Windows**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 56 56 00-0027	SF 3/4" #13, Thickness 0.07" Expanded Metal, Inoperable, Steel Security Window Screen.....	46.93		12.03
	For Painted Steel, Add	1.64		
	For Galvanized Steel, Add	4.91		
	For Aluminum, Add	9.82		
	For Stainless Steel, Add	40.90		
08 56 56 00-0028	SF 3/4" #9, Thickness 0.12" Expanded Metal, Inoperable, Steel Security Window Screen	54.86		14.21
	For Painted Steel, Add	1.87		
	For Galvanized Steel, Add	5.61		
	For Aluminum, Add	11.21		
	For Stainless Steel, Add	46.71		
08 56 56 00-0029	SF 1-1/2" #9, Thickness 0.11" Expanded Metal, Inoperable, Steel Security Window Screen	51.06		13.66
	For Painted Steel, Add	1.73		
	For Galvanized Steel, Add	5.20		
	For Aluminum, Add	10.40		
	For Stainless Steel, Add	43.33		
08 56 56 00-0030	SF 3 Lb./SF, Expanded Metal, Inoperable, Steel Security Window Screen	64.35		17.49
	For Painted Steel, Add	2.18		
	For Galvanized Steel, Add	6.54		
	For Aluminum, Add	13.07		
	For Stainless Steel, Add	54.48		
08 56 56 00-0031 Expanded Metal, Operable, Security Screen (08 56 56 00-0023)				
08 56 56 00-0032	SF 1/4" #18, Thickness 0.04" Expanded Metal, Operable, Steel Security Window Screen.....	38.92		9.84
	For Painted Steel, Add	1.34		
	For Galvanized Steel, Add	4.03		
	For Aluminum, Add	8.07		
	For Stainless Steel, Add	33.61		
08 56 56 00-0033	SF 1/2" #13, Thickness 0.07" Expanded Metal, Operable, Steel Security Window Screen.....	57.02		12.03
	For Painted Steel, Add	2.14		
	For Galvanized Steel, Add	6.42		
	For Aluminum, Add	12.84		
	For Stainless Steel, Add	53.51		
08 56 56 00-0034	SF 3/4" #13, Thickness 0.07" Expanded Metal, Operable, Steel Security Window Screen.....	63.09		13.66
	For Painted Steel, Add	2.33		
	For Galvanized Steel, Add	7.00		
	For Aluminum, Add	14.01		
	For Stainless Steel, Add	58.36		
08 56 56 00-0035	SF 1-1/2" #9, Thickness 0.11" Expanded Metal, Operable, Steel Security Window Screen.....	67.99		15.30
	For Painted Steel, Add	2.47		
	For Galvanized Steel, Add	7.41		
	For Aluminum, Add	14.82		
	For Stainless Steel, Add	61.75		
08 56 56 00-0036	SF 3/4" #9, Thickness 0.12" Expanded Metal, Operable, Steel Security Window Screen.....	74.03		17.49
	For Painted Steel, Add	2.66		
	For Galvanized Steel, Add	7.99		
	For Aluminum, Add	15.98		
	For Stainless Steel, Add	66.58		
08 56 56 00-0037	SF 3 Lb./SF, Expanded Metal, Operable, Steel Security Window Screen.....	85.04		19.13
	For Painted Steel, Add	3.10		
	For Galvanized Steel, Add	9.31		
	For Aluminum, Add	18.62		
	For Stainless Steel, Add	77.60		
08 56 56 00-0038 Perforated Metal Security Screen (08 56 56)				
08 56 56 00-0039 Perforated Metal, Inoperable, Steel Security Window Screen (08 56 56 00-0038)				
08 56 56 00-0040	SF 22 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	32.68		4.92
	For Painted Steel, Add	1.31		
	For Galvanized Steel, Add	3.92		
	For Aluminum, Add	7.84		
	For Stainless Steel, Add	26.12		
08 56 56 00-0041	SF 20 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	33.72		4.92
	For Painted Steel, Add	1.36		
	For Galvanized Steel, Add	4.07		
	For Aluminum, Add	8.15		
	For Stainless Steel, Add	27.16		
08 56 56 00-0042	SF 18 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	37.21		4.92
	For Painted Steel, Add	1.53		
	For Galvanized Steel, Add	4.60		
	For Aluminum, Add	9.20		
	For Stainless Steel, Add	30.65		
08 56 56 00-0043	SF 16 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	43.81		4.92
	For Painted Steel, Add	1.86		
	For Galvanized Steel, Add	5.59		
	For Aluminum, Add	11.18		
	For Stainless Steel, Add	37.25		
08 56 56 00-0044 Perforated Metal, Operable, Steel Security Window Screen (08 56 56 00-0038)				
08 56 56 00-0045	SF 22 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen	45.86		6.01
	For Painted Steel, Add	1.86		
	For Galvanized Steel, Add	5.57		
	For Aluminum, Add	11.14		
	For Stainless Steel, Add	37.12		

			Openings	08	08
			Windows	08 50	
			Special Function Windows	08 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 56 56 00-0046	SF		20 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen <i>For Painted Steel, Add</i> <i>For Galvanized Steel, Add</i> <i>For Aluminum, Add</i> <i>For Stainless Steel, Add</i>	47.67 1.95 5.84 11.68 38.93	6.01
08 56 56 00-0047	SF		18 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen <i>For Painted Steel, Add</i> <i>For Galvanized Steel, Add</i> <i>For Aluminum, Add</i> <i>For Stainless Steel, Add</i>	52.19 2.17 6.52 13.04 43.45	6.01
08 56 56 00-0048	SF		16 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen <i>For Painted Steel, Add</i> <i>For Galvanized Steel, Add</i> <i>For Aluminum, Add</i> <i>For Stainless Steel, Add</i>	61.63 2.64 7.93 15.87 52.89	6.01
08 56 56 00-0049			Removal And Reinstallation Of Security Screens And Guards (08 56 56)		
08 56 56 00-0050	SF		Removal And Reinstallation Of Security Screens	13.76	
08 56 59 Service and Teller Window Units (08 56)					
08 56 59 00-0001			Communicator For Window (08 56 59)		
08 56 59 00-0002	EA		Electronic Two-Way Talk-thru Hands-Free Audio Communicator (Haven SC-350)..... Note: Communicator is designed for applications where a fire shutter or window shade is present. Two-way communication is accomplished through the use of speakers and micro-phones located on each side of the partition. The Master unit is equipped with a 15" gooseneck microphone, power on/off switch, power-on LED, and external volume controls. The Remote Unit is window-mounted and may incorporate a level 3 bullet-resistive insert.	2,690.59	218.62
08 56 59 00-0003	EA		Electronic Two-Way Audio Communicator (Haven SC-300)..... Note: Communicator is designed for application where a cutout in the barrier is impractical. Two-way communication is accomplished through the use of speakers and microphones located on each side of the partition. The master unit is equipped with a 20" gooseneck microphone, power on/off switch, power-on LED, and external volume controls. The Remote unit is vandal-resistant with all controls located within the housing.	2,337.64	218.62
08 56 59 00-0004	EA		Electronic Two-Way Talk-Thru Communication System (Norcon TTU-1).....	2,118.07	218.62
08 56 59 00-0005			Speak-Thru Communicator For Window (08 56 59)		
08 56 59 00-0006	EA		5-5/16" Diameter, Satin Anodized Aluminum, No-Draft Speak-Thru (CRL 834A)..... Note: Includes gaskets and mounting screws for installation on glass from 1/4" (6 mm) to 1/2" (12 mm) thick. Require a minimum hole diameter of 2-1/4" (57 mm), and will cover holes up to 4-1/4" (108 mm). Recommended hole diameter is 3-1/2" (89 mm).	161.13	
08 56 59 00-0007	EA		6-3/16" Diameter, Polished Stainless Steel, No-Draft Speak-Thru (Brixwell 834LPS)..... Note: Includes gaskets and mounting screws for installation on glass from 1/4" (6 mm) to 1/2" (12 mm) thick. Require a minimum hole diameter of 2-1/4" (57 mm), and will cover holes up to 4-1/4" (108 mm). Recommended hole diameter is 3-1/2" (89 mm).	237.57	
08 56 59 00-0008			Counter Drop-In Deal Tray (08 56 59)		
08 56 59 00-0009	EA		16" Wide x 10" Deep x 1-9/16" High, Brushed Stainless Steel, Standard Drop-In Deal Tray (CRL CTDB16)	450.53	48.46

08 60 Roof Windows and Skylights (08)

Note: Includes hardware, caulk, sealant and necessary anchors.

08 62 Unit Skylights (08 60)

08 62 23 Tubular Skylights (08 62)

08 62 23 00-0001			Aluminum Framed Solar Tube Skylights (08 62 23)		
Note: Includes knock down curb with safety security guard, class 1 hail rated double glazed skylight, light shaft top trim, reflective light well, T-bar ceiling frame, acrylic diffuser lens and lens clip.					
08 62 23 00-0002			31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylights (08 62 23 00-0001)		
08 62 23 00-0003	EA		2' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight..... <i>For Class 3 Hail Rated, Add</i> <i>For Polycarbonate Diffuser Lens, Add</i> <i>For High Velocity Hurricane Zone Rated, Add</i> <i>For FM Approved, Add</i> <i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i> <i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i> <i>For Single Blade Louver, Add</i>	1,384.73 4.00 7.00 14.00 20.00 49.00 69.00 1,061.07	215.46
08 62 23 00-0004	EA		3' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight..... <i>For Class 3 Hail Rated, Add</i> <i>For Polycarbonate Diffuser Lens, Add</i> <i>For High Velocity Hurricane Zone Rated, Add</i> <i>For FM Approved, Add</i> <i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i> <i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i> <i>For Single Blade Louver, Add</i>	1,461.90 4.00 7.00 14.00 20.00 49.00 69.00 1,062.15	220.85

08 Openings**08 60 Roof Windows and Skylights****08 62 Unit Skylights**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

08 62 23 00-0005	EA	4' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,536.85	226.23
		For Class 3 Hail Rated, Add	4.00	
		For Polycarbonate Diffuser Lens, Add	7.00	
		For High Velocity Hurricane Zone Rated, Add	14.00	
		For FM Approved, Add	20.00	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	49.00	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	69.00	
		For Single Blade Louver, Add	1,063.23	
08 62 23 00-0006	EA	5' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,642.78	231.62
		For Class 3 Hail Rated, Add	4.00	
		For Polycarbonate Diffuser Lens, Add	7.00	
		For High Velocity Hurricane Zone Rated, Add	14.00	
		For FM Approved, Add	20.00	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	49.00	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	69.00	
		For Single Blade Louver, Add	1,064.31	
08 62 23 00-0007	EA	6' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,735.44	237.02
		For Class 3 Hail Rated, Add	4.00	
		For Polycarbonate Diffuser Lens, Add	7.00	
		For High Velocity Hurricane Zone Rated, Add	14.00	
		For FM Approved, Add	20.00	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	49.00	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	69.00	
		For Single Blade Louver, Add	1,065.38	
08 62 23 00-0008	EA	7' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,810.39	242.40
		For Class 3 Hail Rated, Add	4.00	
		For Polycarbonate Diffuser Lens, Add	7.00	
		For High Velocity Hurricane Zone Rated, Add	14.00	
		For FM Approved, Add	20.00	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	49.00	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	69.00	
		For Single Blade Louver, Add	1,066.46	
08 62 23 00-0009	EA	8' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,885.33	247.79
		For Class 3 Hail Rated, Add	4.00	
		For Polycarbonate Diffuser Lens, Add	7.00	
		For High Velocity Hurricane Zone Rated, Add	14.00	
		For FM Approved, Add	20.00	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	49.00	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	69.00	
		For Single Blade Louver, Add	1,067.54	
08 62 23 00-0010	EA	9' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,008.97	253.18
		For Class 3 Hail Rated, Add	4.00	
		For Polycarbonate Diffuser Lens, Add	7.00	
		For High Velocity Hurricane Zone Rated, Add	14.00	
		For FM Approved, Add	20.00	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	49.00	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	69.00	
		For Single Blade Louver, Add	1,068.61	
08 62 23 00-0011	EA	10' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,083.92	258.56
		For Class 3 Hail Rated, Add	4.00	
		For Polycarbonate Diffuser Lens, Add	7.00	
		For High Velocity Hurricane Zone Rated, Add	14.00	
		For FM Approved, Add	20.00	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	49.00	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	69.00	
		For Single Blade Louver, Add	1,069.69	
08 62 23 00-0012	EA	11' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,161.08	263.95
		For Class 3 Hail Rated, Add	4.00	
		For Polycarbonate Diffuser Lens, Add	7.00	
		For High Velocity Hurricane Zone Rated, Add	14.00	
		For FM Approved, Add	20.00	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	49.00	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	69.00	
		For Single Blade Louver, Add	1,070.77	
08 62 23 00-0013	EA	12' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,236.03	269.34
		For Class 3 Hail Rated, Add	4.00	
		For Polycarbonate Diffuser Lens, Add	7.00	
		For High Velocity Hurricane Zone Rated, Add	14.00	
		For FM Approved, Add	20.00	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	49.00	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	69.00	
		For Single Blade Louver, Add	1,071.85	
08 62 23 00-0014	EA	13' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,359.67	274.72
		For Class 3 Hail Rated, Add	4.00	
		For Polycarbonate Diffuser Lens, Add	7.00	
		For High Velocity Hurricane Zone Rated, Add	14.00	
		For FM Approved, Add	20.00	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	49.00	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	69.00	
		For Single Blade Louver, Add	1,072.92	

Cal Poly Humboldt.		Openings 08		08
		Roof Windows and Skylights 08 60		
		Unit Skylights 08 62		
MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 62 23 00-0015	EA	14' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,434.63	280.11
		For Class 3 Hail Rated, Add	4.00	
		For Polycarbonate Diffuser Lens, Add	7.00	
		For High Velocity Hurricane Zone Rated, Add	14.00	
		For FM Approved, Add	20.00	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	49.00	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	69.00	
		For Single Blade Louver, Add	1,074.00	
08 62 23 00-0016	EA	15' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,509.58	285.49
		For Class 3 Hail Rated, Add	4.00	
		For Polycarbonate Diffuser Lens, Add	7.00	
		For High Velocity Hurricane Zone Rated, Add	14.00	
		For FM Approved, Add	20.00	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	49.00	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	69.00	
		For Single Blade Louver, Add	1,075.08	
08 62 23 00-0017	EA	16' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,584.52	290.88
		For Class 3 Hail Rated, Add	4.00	
		For Polycarbonate Diffuser Lens, Add	7.00	
		For High Velocity Hurricane Zone Rated, Add	14.00	
		For FM Approved, Add	20.00	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	49.00	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	69.00	
		For Single Blade Louver, Add	1,076.16	
08 62 23 00-0018		31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylights (08 62 23 00-0001)		
08 62 23 00-0019	EA	2' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,683.49	215.46
		For Class 3 Hail Rated, Add	5.00	
		For Polycarbonate Diffuser Lens, Add	8.00	
		For High Velocity Hurricane Zone Rated, Add	14.00	
		For FM Approved, Add	22.00	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	50.00	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	86.00	
		For Single Blade Louver, Add	1,061.07	
08 62 23 00-0020	EA	3' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,789.43	220.85
		For Class 3 Hail Rated, Add	5.00	
		For Polycarbonate Diffuser Lens, Add	8.00	
		For High Velocity Hurricane Zone Rated, Add	14.00	
		For FM Approved, Add	22.00	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	50.00	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	86.00	
		For Single Blade Louver, Add	1,062.15	
08 62 23 00-0021	EA	4' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,895.36	226.23
		For Class 3 Hail Rated, Add	5.00	
		For Polycarbonate Diffuser Lens, Add	8.00	
		For High Velocity Hurricane Zone Rated, Add	14.00	
		For FM Approved, Add	22.00	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	50.00	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	86.00	
		For Single Blade Louver, Add	1,063.23	
08 62 23 00-0022	EA	5' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,001.29	231.62
		For Class 3 Hail Rated, Add	5.00	
		For Polycarbonate Diffuser Lens, Add	8.00	
		For High Velocity Hurricane Zone Rated, Add	14.00	
		For FM Approved, Add	22.00	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	50.00	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	86.00	
		For Single Blade Louver, Add	1,064.31	
08 62 23 00-0023	EA	6' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,173.61	237.02
		For Class 3 Hail Rated, Add	5.00	
		For Polycarbonate Diffuser Lens, Add	8.00	
		For High Velocity Hurricane Zone Rated, Add	14.00	
		For FM Approved, Add	22.00	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	50.00	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	86.00	
		For Single Blade Louver, Add	1,065.38	
08 62 23 00-0024	EA	7' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,279.54	242.40
		For Class 3 Hail Rated, Add	5.00	
		For Polycarbonate Diffuser Lens, Add	8.00	
		For High Velocity Hurricane Zone Rated, Add	14.00	
		For FM Approved, Add	22.00	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	50.00	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	86.00	
		For Single Blade Louver, Add	1,066.46	

08 Openings**08 60 Roof Windows and Skylights****08 62 Unit Skylights**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 62 23 00-0025	EA	8' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,385.47	247.79
		For Class 3 Hail Rated, Add	5.00	
		For Polycarbonate Diffuser Lens, Add	8.00	
		For High Velocity Hurricane Zone Rated, Add	14.00	
		For FM Approved, Add	22.00	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	50.00	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	86.00	
		For Single Blade Louver, Add	1,067.54	
08 62 23 00-0026	EA	9' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,557.79	253.18
		For Class 3 Hail Rated, Add	5.00	
		For Polycarbonate Diffuser Lens, Add	8.00	
		For High Velocity Hurricane Zone Rated, Add	14.00	
		For FM Approved, Add	22.00	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	50.00	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	86.00	
		For Single Blade Louver, Add	1,068.61	
08 62 23 00-0027	EA	10' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,663.73	258.56
		For Class 3 Hail Rated, Add	5.00	
		For Polycarbonate Diffuser Lens, Add	8.00	
		For High Velocity Hurricane Zone Rated, Add	14.00	
		For FM Approved, Add	22.00	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	50.00	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	86.00	
		For Single Blade Louver, Add	1,069.69	
08 62 23 00-0028	EA	11' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,769.66	263.95
		For Class 3 Hail Rated, Add	5.00	
		For Polycarbonate Diffuser Lens, Add	8.00	
		For High Velocity Hurricane Zone Rated, Add	14.00	
		For FM Approved, Add	22.00	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	50.00	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	86.00	
		For Single Blade Louver, Add	1,070.77	
08 62 23 00-0029	EA	12' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,875.59	269.34
		For Class 3 Hail Rated, Add	5.00	
		For Polycarbonate Diffuser Lens, Add	8.00	
		For High Velocity Hurricane Zone Rated, Add	14.00	
		For FM Approved, Add	22.00	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	50.00	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	86.00	
		For Single Blade Louver, Add	1,071.85	
08 62 23 00-0030	EA	13' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	3,047.92	274.72
		For Class 3 Hail Rated, Add	5.00	
		For Polycarbonate Diffuser Lens, Add	8.00	
		For High Velocity Hurricane Zone Rated, Add	14.00	
		For FM Approved, Add	22.00	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	50.00	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	86.00	
		For Single Blade Louver, Add	1,072.92	
08 62 23 00-0031	EA	14' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	3,153.86	280.11
		For Class 3 Hail Rated, Add	5.00	
		For Polycarbonate Diffuser Lens, Add	8.00	
		For High Velocity Hurricane Zone Rated, Add	14.00	
		For FM Approved, Add	22.00	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	50.00	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	86.00	
		For Single Blade Louver, Add	1,074.00	
08 62 23 00-0032	EA	15' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	3,259.79	285.49
		For Class 3 Hail Rated, Add	5.00	
		For Polycarbonate Diffuser Lens, Add	8.00	
		For High Velocity Hurricane Zone Rated, Add	14.00	
		For FM Approved, Add	22.00	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	50.00	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	86.00	
		For Single Blade Louver, Add	1,075.08	
08 62 23 00-0033	EA	16' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	3,365.71	290.88
		For Class 3 Hail Rated, Add	5.00	
		For Polycarbonate Diffuser Lens, Add	8.00	
		For High Velocity Hurricane Zone Rated, Add	14.00	
		For FM Approved, Add	22.00	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	50.00	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	86.00	
		For Single Blade Louver, Add	1,076.16	

08 62 23 00-0034 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylights (08 62 23 00-0001)

			Openings		08
			Roof Windows and Skylights		08 60
			Unit Skylights		08 62
MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
			UNIT COST	UNIT COST	
08 62 23 00-0035	EA	2' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,252.99		242.40
		For Class 3 Hail Rated, Add	10.00		
		For Polycarbonate Diffuser Lens, Add	14.00		
		For High Velocity Hurricane Zone Rated, Add	22.00		
		For FM Approved, Add	36.00		
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	95.00		
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	145.00		
		For Single Blade Louver, Add	1,066.46		
08 62 23 00-0036	EA	3' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,400.96		247.79
		For Class 3 Hail Rated, Add	10.00		
		For Polycarbonate Diffuser Lens, Add	14.00		
		For High Velocity Hurricane Zone Rated, Add	22.00		
		For FM Approved, Add	36.00		
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	95.00		
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	145.00		
		For Single Blade Louver, Add	1,067.54		
08 62 23 00-0037	EA	4' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,551.15		253.18
		For Class 3 Hail Rated, Add	10.00		
		For Polycarbonate Diffuser Lens, Add	14.00		
		For High Velocity Hurricane Zone Rated, Add	22.00		
		For FM Approved, Add	36.00		
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	95.00		
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	145.00		
		For Single Blade Louver, Add	1,068.61		
08 62 23 00-0038	EA	5' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,699.14		258.56
		For Class 3 Hail Rated, Add	10.00		
		For Polycarbonate Diffuser Lens, Add	14.00		
		For High Velocity Hurricane Zone Rated, Add	22.00		
		For FM Approved, Add	36.00		
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	95.00		
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	145.00		
		For Single Blade Louver, Add	1,069.69		
08 62 23 00-0039	EA	6' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,935.63		263.95
		For Class 3 Hail Rated, Add	10.00		
		For Polycarbonate Diffuser Lens, Add	14.00		
		For High Velocity Hurricane Zone Rated, Add	22.00		
		For FM Approved, Add	36.00		
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	95.00		
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	145.00		
		For Single Blade Louver, Add	1,070.77		
08 62 23 00-0040	EA	7' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	3,083.61		269.34
		For Class 3 Hail Rated, Add	10.00		
		For Polycarbonate Diffuser Lens, Add	14.00		
		For High Velocity Hurricane Zone Rated, Add	22.00		
		For FM Approved, Add	36.00		
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	95.00		
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	145.00		
		For Single Blade Louver, Add	1,071.85		
08 62 23 00-0041	EA	8' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	3,231.60		274.72
		For Class 3 Hail Rated, Add	10.00		
		For Polycarbonate Diffuser Lens, Add	14.00		
		For High Velocity Hurricane Zone Rated, Add	22.00		
		For FM Approved, Add	36.00		
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	95.00		
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	145.00		
		For Single Blade Louver, Add	1,072.92		
08 62 23 00-0042	EA	9' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	3,470.32		280.11
		For Class 3 Hail Rated, Add	10.00		
		For Polycarbonate Diffuser Lens, Add	14.00		
		For High Velocity Hurricane Zone Rated, Add	22.00		
		For FM Approved, Add	36.00		
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	95.00		
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	145.00		
		For Single Blade Louver, Add	1,074.00		
08 62 23 00-0043	EA	10' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	3,618.29		285.49
		For Class 3 Hail Rated, Add	10.00		
		For Polycarbonate Diffuser Lens, Add	14.00		
		For High Velocity Hurricane Zone Rated, Add	22.00		
		For FM Approved, Add	36.00		
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	95.00		
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	145.00		
		For Single Blade Louver, Add	1,075.08		
08 62 23 00-0044	EA	11' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	3,766.27		290.88
		For Class 3 Hail Rated, Add	10.00		
		For Polycarbonate Diffuser Lens, Add	14.00		
		For High Velocity Hurricane Zone Rated, Add	22.00		
		For FM Approved, Add	36.00		
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	95.00		
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	145.00		
		For Single Blade Louver, Add	1,076.16		

08 Openings**08 60 Roof Windows and Skylights****08 62 Unit Skylights**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 62 23 00-0045	EA	12' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	3,914.24	296.27
		For Class 3 Hail Rated, Add	10.00	
		For Polycarbonate Diffuser Lens, Add	14.00	
		For High Velocity Hurricane Zone Rated, Add	22.00	
		For FM Approved, Add	36.00	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	95.00	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	145.00	
		For Single Blade Louver, Add	1,077.23	
08 62 23 00-0046	EA	13' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	4,150.75	301.65
		For Class 3 Hail Rated, Add	10.00	
		For Polycarbonate Diffuser Lens, Add	14.00	
		For High Velocity Hurricane Zone Rated, Add	22.00	
		For FM Approved, Add	36.00	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	95.00	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	145.00	
		For Single Blade Louver, Add	1,078.31	
08 62 23 00-0047	EA	14' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	4,298.72	307.04
		For Class 3 Hail Rated, Add	10.00	
		For Polycarbonate Diffuser Lens, Add	14.00	
		For High Velocity Hurricane Zone Rated, Add	22.00	
		For FM Approved, Add	36.00	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	95.00	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	145.00	
		For Single Blade Louver, Add	1,079.39	
08 62 23 00-0048	EA	15' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	4,448.91	312.43
		For Class 3 Hail Rated, Add	10.00	
		For Polycarbonate Diffuser Lens, Add	14.00	
		For High Velocity Hurricane Zone Rated, Add	22.00	
		For FM Approved, Add	36.00	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	95.00	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	145.00	
		For Single Blade Louver, Add	1,080.47	
08 62 23 00-0049	EA	16' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	4,596.89	317.81
		For Class 3 Hail Rated, Add	10.00	
		For Polycarbonate Diffuser Lens, Add	14.00	
		For High Velocity Hurricane Zone Rated, Add	22.00	
		For FM Approved, Add	36.00	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	95.00	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	145.00	
		For Single Blade Louver, Add	1,081.54	

08 63 Metal-Framed Skylights (08 60)**08 63 13 Domed Metal-Framed Skylights** (08 63)

08 63 13 00-0001 Domed Aluminum Framed Skylights (08 63 13)

08 63 13 00-0002 Fixed Dome, Aluminum Framed Skylights (08 63 13 00-0001)

08 63 13 00-0003 Industrial Style Fixed Dome, Aluminum Framed Skylights (08 63 13 00-0002)

08 63 13 00-0004 Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights (08 63 13 00-0003)

Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.

08 63 13 00-0005	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	890.42	145.44
08 63 13 00-0006	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,064.27	156.21
08 63 13 00-0007	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,417.42	172.37
08 63 13 00-0008	EA	27-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,587.54	183.14
08 63 13 00-0009	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,120.73	156.21
08 63 13 00-0010	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,379.63	172.37
08 63 13 00-0011	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,494.14	183.14
08 63 13 00-0012	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,687.09	193.92
08 63 13 00-0013	EA	39-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,946.85	210.08
08 63 13 00-0014	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,405.34	183.14
08 63 13 00-0015	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,516.56	188.53
08 63 13 00-0016	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,695.00	193.92
08 63 13 00-0017	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,828.62	199.30
08 63 13 00-0018	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,013.67	215.46
08 63 13 00-0019	EA	52-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,243.97	226.23

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 63 13 00-0020	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,650.17	193.92
08 63 13 00-0021	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,790.83	204.69
08 63 13 00-0022	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	2,006.62	210.08
08 63 13 00-0023	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	2,125.30	220.85
08 63 13 00-0024	EA	63-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	2,430.33	231.62

08 63 13 00-0025 Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights (08 63 13 00-0003)

Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.

08 63 13 00-0026	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,077.21	145.44
08 63 13 00-0027	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,247.32	156.21
08 63 13 00-0028	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,563.12	172.37
08 63 13 00-0029	EA	27-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,736.97	183.14
08 63 13 00-0030	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,255.22	156.21
08 63 13 00-0031	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,484.23	172.37
08 63 13 00-0032	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,606.22	183.14
08 63 13 00-0033	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,814.10	193.92
08 63 13 00-0034	EA	39-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	2,021.56	210.08
08 63 13 00-0035	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,509.94	183.14
08 63 13 00-0036	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,636.10	188.53
08 63 13 00-0037	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,758.51	193.92
08 63 13 00-0038	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,899.60	199.30
08 63 13 00-0039	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	2,051.02	215.46
08 63 13 00-0040	EA	52-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	2,285.06	226.23
08 63 13 00-0041	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,773.45	193.92
08 63 13 00-0042	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,925.31	204.69
08 63 13 00-0043	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	2,085.07	210.08
08 63 13 00-0044	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	2,211.22	220.85
08 63 13 00-0045	EA	63-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	2,486.36	231.62

08 63 13 00-0046 High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights (08 63 13 00-0003)

Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.

08 63 13 00-0047	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,092.15	145.44
08 63 13 00-0048	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,277.21	156.21
08 63 13 00-0049	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,604.21	172.37
08 63 13 00-0050	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,292.58	156.21
08 63 13 00-0051	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,536.53	172.37
08 63 13 00-0052	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,647.31	183.14
08 63 13 00-0053	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,858.93	193.92
08 63 13 00-0054	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,543.56	183.14
08 63 13 00-0055	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,665.99	188.53
08 63 13 00-0056	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,807.07	193.92
08 63 13 00-0057	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,948.16	199.30
08 63 13 00-0058	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	2,110.79	215.46

08 Openings**08 60 Roof Windows and Skylights****08 63 Metal-Framed Skylights**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 63 13 00-0059	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,818.28	193.92
08 63 13 00-0060	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,985.08	204.69
08 63 13 00-0061	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,144.84	210.08
08 63 13 00-0062	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,270.99	220.85

08 63 13 00-0063 FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights (08 63 13 00-0003)

Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.

08 63 13 00-0064	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,118.30	145.44
08 63 13 00-0065	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,318.30	156.21
08 63 13 00-0066	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,641.57	172.37
08 63 13 00-0067	EA	27-1/4" x 123-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,871.45	183.14
08 63 13 00-0068	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,329.93	156.21
08 63 13 00-0069	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,570.15	172.37
08 63 13 00-0070	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,684.67	183.14
08 63 13 00-0071	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,914.97	193.92
08 63 13 00-0072	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,584.66	183.14
08 63 13 00-0073	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,707.08	188.53
08 63 13 00-0074	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,859.37	193.92
08 63 13 00-0075	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,004.20	199.30
08 63 13 00-0076	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,170.57	215.46
08 63 13 00-0077	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,874.31	193.92
08 63 13 00-0078	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,041.12	204.69
08 63 13 00-0079	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,204.61	210.08
08 63 13 00-0080	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,338.23	220.85

08 63 13 00-0081 Curb Top Inserts (08 63 13 00-0003)

Note: For use with industrial style fixed dome skylights for better u-value and solar heat gain coefficient/shading coefficient (SHGC/SC) properties. Includes mill finish aluminum frame and acrylic or polycarbonate glazing. Excludes roof curb and flashing.

08 63 13 00-0082 Single Glazed, Aluminum Framed Curb Top Inserts (08 63 13 00-0081)

08 63 13 00-0083	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	295.13	70.02
08 63 13 00-0084	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	386.24	80.80
08 63 13 00-0085	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	615.32	107.74
08 63 13 00-0086	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	568.47	96.96
08 63 13 00-0087	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	677.28	107.74

08 63 13 00-0088 Double Glazed, Aluminum Framed Curb Top Inserts (08 63 13 00-0081)

08 63 13 00-0089	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert	385.86	70.02
08 63 13 00-0090	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert	561.07	80.80
08 63 13 00-0091	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert	931.78	107.74
08 63 13 00-0092	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert	904.85	96.96
08 63 13 00-0093	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert	1,115.45	107.74

08 63 13 00-0094 Triple Glazed, Aluminum Framed Curb Top Inserts (08 63 13 00-0081)

08 63 13 00-0095	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert	474.38	70.02
08 63 13 00-0096	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert	727.05	80.80
08 63 13 00-0097	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert	1,321.26	107.74
08 63 13 00-0098	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert	1,219.09	96.96
08 63 13 00-0099	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert	1,522.65	107.74

08 63 13 00-0100 Pyramid Style Fixed Dome, Aluminum Framed Skylights (08 63 13 00-0002)

08 63 13 00-0101 Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight (08 63 13 00-0100)

Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.

08 63 13 00-0102	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	823.18	145.44
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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0103	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	1,016.13	156.21
08 63 13 00-0104	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	1,300.74	183.14
08 63 13 00-0105	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	1,609.08	193.92
08 63 13 00-0106		Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight (08 63 13 00-0100) Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.		
08 63 13 00-0107	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	1,114.56	145.44
08 63 13 00-0108	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	1,314.99	156.21
08 63 13 00-0109	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	1,573.45	183.14
08 63 13 00-0110	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	1,859.37	193.92
08 63 13 00-0111		Double Hip Style Fixed Dome, Aluminum Framed Skylights (08 63 13 00-0002)		
08 63 13 00-0112		Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight (08 63 13 00-0111) Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.		
08 63 13 00-0113	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	961.40	145.44
08 63 13 00-0114	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,305.35	172.37
08 63 13 00-0115	EA	27-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,527.77	183.14
08 63 13 00-0116	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,237.67	172.37
08 63 13 00-0117	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,348.45	183.14
08 63 13 00-0118	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,604.90	193.92
08 63 13 00-0119	EA	39-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,868.40	210.08
08 63 13 00-0120	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,415.70	188.53
08 63 13 00-0121	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,549.31	193.92
08 63 13 00-0122	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,694.13	199.30
08 63 13 00-0123	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,849.30	215.46
08 63 13 00-0124	EA	52-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,161.78	226.23
08 63 13 00-0125	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,749.73	204.69
08 63 13 00-0126	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,950.59	210.08
08 63 13 00-0127	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,087.94	220.85
08 63 13 00-0128	EA	63-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,389.23	231.62
08 63 13 00-0129		Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight (08 63 13 00-0111) Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.		
08 63 13 00-0130	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,088.41	145.44
08 63 13 00-0131	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,266.00	156.21
08 63 13 00-0132	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,581.79	172.37
08 63 13 00-0133	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,281.37	156.21
08 63 13 00-0134	EA	39-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,410.82	166.99
08 63 13 00-0135	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,514.11	172.37
08 63 13 00-0136	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,624.89	183.14
08 63 13 00-0137	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,840.25	193.92
08 63 13 00-0138	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,528.62	188.53
08 63 13 00-0139	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,651.04	188.53

08	08	Openings
	08 60	Roof Windows and Skylights
	08 63	Metal-Framed Skylights



MINOR		TOTAL DIRECT		DEMOLITION	
CSI UOM DESCRIPTION		UNIT COST		UNIT COST	
08 63 13 00-0140	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....			
		1,784.66		193.92	
08 63 13 00-0141	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....			
		1,922.01		199.30	
08 63 13 00-0142	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....			
		2,080.91		215.46	
08 63 13 00-0143	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....			
		1,792.13		193.92	
08 63 13 00-0144	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....			
		1,958.93		204.69	
08 63 13 00-0145	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....			
		2,114.96		210.08	
08 63 13 00-0146	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....			
		2,237.37		220.85	
08 63 13 00-0147 Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight ^(08 63 13 00-0111)					
Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.					
08 63 13 00-0148	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....			
		1,254.79		156.21	
08 63 13 00-0149	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....			
		1,630.36		172.37	
08 63 13 00-0150	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....			
		1,555.21		172.37	
08 63 13 00-0151	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....			
		1,673.46		183.14	
08 63 13 00-0152	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....			
		1,900.03		193.92	
08 63 13 00-0153	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....			
		1,695.87		188.53	
08 63 13 00-0154	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....			
		1,840.69		193.92	
08 63 13 00-0155	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....			
		1,989.25		199.30	
08 63 13 00-0156	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....			
		2,140.68		215.46	
08 63 13 00-0157	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....			
		2,026.17		204.69	
08 63 13 00-0158	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....			
		2,189.67		210.08	
08 63 13 00-0159	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....			
		2,319.56		220.85	
08 63 13 00-0160 Smoke Vent Dome, Aluminum Framed Skylights ^(08 63 13 00-0001)					
08 63 13 00-0161 Industrial Style Smoke Vent Dome, Aluminum Framed Skylights ^(08 63 13 00-0160)					
Note: UL listed or FM approved. Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, curb seal tape, weather sweep, fasteners, fusible link with a minimum temperature rating of 165 degrees, gas shocks and exterior manual release cable for testing. Excludes roof curb and flashing.					
08 63 13 00-0162 Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights ^(08 63 13 00-0161)					
08 63 13 00-0163 10 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights ^(08 63 13 00-0162)					
08 63 13 00-0164	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, 10 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....			
		5,009.70		215.46	
08 63 13 00-0165	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, 10 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....			
		4,648.20		204.69	
08 63 13 00-0166	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, 10 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....			
		5,259.99		215.46	
08 63 13 00-0167 25 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights ^(08 63 13 00-0162)					
08 63 13 00-0168	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, 25 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....			
		6,500.24		215.46	
08 63 13 00-0169	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, 25 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....			
		6,153.69		204.69	
08 63 13 00-0170	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, 25 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....			
		6,840.19		215.46	
08 63 13 00-0171 30 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights ^(08 63 13 00-0162)					
08 63 13 00-0172	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, 30 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....			
		6,929.85		215.46	
08 63 13 00-0173	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, 30 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....			
		6,575.82		204.69	
08 63 13 00-0174	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, 30 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....			
		7,262.32		215.46	

Openings			08	08
Roof Windows and Skylights			08 60	
Metal-Framed Skylights			08 63	
TOTAL DIRECT UNIT COST			DEMOLITION UNIT COST	

08 63 13 00-0175	Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights (08 63 13 00-0161)		
08 63 13 00-0176	10 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights (08 63 13 00-0175)		
08 63 13 00-0177	EA 52-1/4" x 100-1/4" Inside Frame Dimensions, 10 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	5,032.11	215.46
08 63 13 00-0178	EA 63-5/8" x 75-5/8" Inside Frame Dimensions, 10 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	4,670.61	204.69
08 63 13 00-0179	EA 63-1/4" x 99-5/8" Inside Frame Dimensions, 10 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	5,293.61	215.46
08 63 13 00-0180	25 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights (08 63 13 00-0175)		
08 63 13 00-0181	EA 52-1/4" x 100-1/4" Inside Frame Dimensions, 25 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	6,530.13	215.46
08 63 13 00-0182	EA 63-5/8" x 75-5/8" Inside Frame Dimensions, 25 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	6,176.10	204.69
08 63 13 00-0183	EA 63-1/4" x 99-5/8" Inside Frame Dimensions, 25 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	6,877.55	215.46
08 63 13 00-0184	30 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights (08 63 13 00-0175)		
08 63 13 00-0185	EA 52-1/4" x 100-1/4" Inside Frame Dimensions, 30 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	6,952.26	215.46
08 63 13 00-0186	EA 63-5/8" x 75-5/8" Inside Frame Dimensions, 30 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	6,598.23	204.69
08 63 13 00-0187	EA 63-1/4" x 99-5/8" Inside Frame Dimensions, 30 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	7,299.68	215.46

08 66 Wood-Framed Skylights (08 60)

08 66 00 00-0001	Wood-Framed Skylights (Andersen 400 Series) (08 66)		
08 66 00 00-0002	EA 16-1/2" x 38", Domed, Wood-Framed Skylight (Andersen 400 Series).....	762.42	160.48
	For Tempered Laminated Low-E Insulated Glass, Add	110.36	
	For Aluminum Shingle Flashing, Add	88.29	
08 66 00 00-0003	EA 16-1/2" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series).....	780.43	160.48
	For Tempered Laminated Low-E Insulated Glass, Add	114.87	
	For Aluminum Shingle Flashing, Add	91.89	
08 66 00 00-0004	EA 24-1/2" x 27", Domed, Wood-Framed Skylight (Andersen 400 Series).....	737.64	160.48
	For Tempered Laminated Low-E Insulated Glass, Add	104.17	
	For Aluminum Shingle Flashing, Add	83.33	
08 66 00 00-0005	EA 24-1/2" x 38", Domed, Wood-Framed Skylight (Andersen 400 Series).....	793.95	160.48
	For Tempered Laminated Low-E Insulated Glass, Add	118.25	
	For Aluminum Shingle Flashing, Add	94.60	
08 66 00 00-0006	EA 24-1/2" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series).....	841.25	160.48
	For Tempered Laminated Low-E Insulated Glass, Add	130.07	
	For Aluminum Shingle Flashing, Add	104.06	
08 66 00 00-0007	EA 24-1/2" x 57", Domed, Wood-Framed Skylight (Andersen 400 Series).....	917.82	160.48
	For Tempered Laminated Low-E Insulated Glass, Add	149.21	
	For Aluminum Shingle Flashing, Add	119.37	
08 66 00 00-0008	EA 24-1/2" x 72", Domed, Wood-Framed Skylight (Andersen 400 Series).....	1,014.67	160.48
	For Tempered Laminated Low-E Insulated Glass, Add	173.43	
	For Aluminum Shingle Flashing, Add	138.74	
08 66 00 00-0009	EA 27" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series).....	737.64	160.48
	For Tempered Laminated Low-E Insulated Glass, Add	104.17	
	For Aluminum Shingle Flashing, Add	83.33	
08 66 00 00-0010	EA 28" x 38", Domed, Wood-Framed Skylight (Andersen 400 Series).....	852.51	160.48
	For Tempered Laminated Low-E Insulated Glass, Add	132.89	
	For Aluminum Shingle Flashing, Add	106.31	
08 66 00 00-0011	EA 28" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series).....	917.82	160.48
	For Tempered Laminated Low-E Insulated Glass, Add	149.21	
	For Aluminum Shingle Flashing, Add	119.37	
08 66 00 00-0012	EA 28" x 57", Domed, Wood-Framed Skylight (Andersen 400 Series).....	992.15	160.48
	For Tempered Laminated Low-E Insulated Glass, Add	167.80	
	For Aluminum Shingle Flashing, Add	134.24	
08 66 00 00-0013	EA 28" x 72", Domed, Wood-Framed Skylight (Andersen 400 Series).....	1,091.25	160.48
	For Tempered Laminated Low-E Insulated Glass, Add	192.57	
	For Aluminum Shingle Flashing, Add	154.06	
08 66 00 00-0014	EA 38" x 16-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series).....	762.42	160.48
	For Tempered Laminated Low-E Insulated Glass, Add	110.36	
	For Aluminum Shingle Flashing, Add	88.29	
08 66 00 00-0015	EA 38" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series).....	793.95	160.48
	For Tempered Laminated Low-E Insulated Glass, Add	118.25	
	For Aluminum Shingle Flashing, Add	94.60	
08 66 00 00-0016	EA 38" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series).....	852.51	160.48
	For Tempered Laminated Low-E Insulated Glass, Add	132.89	
	For Aluminum Shingle Flashing, Add	106.31	
08 66 00 00-0017	EA 44" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series).....	1,059.72	160.48
	For Tempered Laminated Low-E Insulated Glass, Add	184.69	
	For Aluminum Shingle Flashing, Add	147.75	

08	08	Openings
	08 60	Roof Windows and Skylights
	08 66	Wood-Framed Skylights



MINOR		DESCRIPTION	TOTAL DIRECT		DEMOLITION
CSI	UOM		UNIT COST	UNIT COST	
08 66 00 00-0018	EA	46" x 16-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)..... <i>For Tempered Laminated Low-E Insulated Glass, Add</i> <i>For Aluminum Shingle Flashing, Add</i>	780.43 114.87 91.89		160.48
08 66 00 00-0019	EA	46" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)..... <i>For Tempered Laminated Low-E Insulated Glass, Add</i> <i>For Aluminum Shingle Flashing, Add</i>	841.25 130.07 104.06		160.48
08 66 00 00-0020	EA	46" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series)..... <i>For Tempered Laminated Low-E Insulated Glass, Add</i> <i>For Aluminum Shingle Flashing, Add</i>	917.82 149.21 119.37		160.48
08 66 00 00-0021	EA	46" x 44", Domed, Wood-Framed Skylight (Andersen 400 Series)..... <i>For Tempered Laminated Low-E Insulated Glass, Add</i> <i>For Aluminum Shingle Flashing, Add</i>	1,059.72 184.69 147.75		160.48
08 66 00 00-0022	EA	57" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)..... <i>For Tempered Laminated Low-E Insulated Glass, Add</i> <i>For Aluminum Shingle Flashing, Add</i>	917.82 149.21 119.37		160.48
08 66 00 00-0023	EA	57" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series)..... <i>For Tempered Laminated Low-E Insulated Glass, Add</i> <i>For Aluminum Shingle Flashing, Add</i>	992.15 167.80 134.24		160.48
08 66 00 00-0024	EA	72" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)..... <i>For Tempered Laminated Low-E Insulated Glass, Add</i> <i>For Aluminum Shingle Flashing, Add</i>	1,014.67 173.43 138.74		160.48
08 66 00 00-0025	EA	72" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series)..... <i>For Tempered Laminated Low-E Insulated Glass, Add</i> <i>For Aluminum Shingle Flashing, Add</i>	1,091.25 192.57 154.06		160.48

08 70 Hardware (08)

08 71 Door Hardware (08 70)

08 71 11 Door Hardware (08 71)
 Note: All hardware is ANSI/BHMA Grade 1 unless otherwise noted. See CSI section 08 05 13 00-0050 for removal and reinstallation of existing door where required for modifications.

08 71 11 00-0001	Hinges	(08 71 11) Note: Unit of measure "PR" indicates that two (2) sets of hinges (top and bottom) are priced. For doors with three (3) sets of hinges (top, middle and bottom), use 1.5 pairs. Excludes mortise preparation for wood doors.			
08 71 11 00-0002	Brass/Bronze, Satin Chrome Finish Hinges	(08 71 11 00-0001) Note: US26D (BHMA 626) satin chrome finish.			
08 71 11 00-0003	Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinges	(08 71 11 00-0002) Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.			
08 71 11 00-0004	PR 3-1/2" x 3-1/2" Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	<i>For Clear Coated Bright Brass, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	94.32 6.55 6.00		8.98
08 71 11 00-0005	PR 4" x 4" Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	<i>For Clear Coated Bright Brass, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	103.45 7.29 6.00		12.84
08 71 11 00-0006	PR 4-1/2" x 4-1/2" Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	<i>For Clear Coated Bright Brass, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	116.92 6.10 6.00		14.12
08 71 11 00-0007	Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges	(08 71 11 00-0002) Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.			
08 71 11 00-0008	PR 3-1/2" x 3-1/2" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	<i>For Clear Coated Bright Brass, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	108.49 8.41 6.00		8.98
08 71 11 00-0009	PR 4" x 4" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	<i>For Clear Coated Bright Brass, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	124.23 8.41 6.00		12.84
08 71 11 00-0010	PR 4-1/2" x 4-1/2" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	<i>For Clear Coated Bright Brass, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	126.42 7.43 6.00		14.12
08 71 11 00-0011	PR 5" x 4-1/2" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	<i>For Clear Coated Bright Brass, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	147.68 8.69 6.00		16.69
08 71 11 00-0012	PR 5" x 5" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	<i>For Clear Coated Bright Brass, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	148.62 8.82 6.00		16.69
08 71 11 00-0013	PR 6" x 5" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	<i>For Clear Coated Bright Brass, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	159.42 10.34 6.00		21.44
08 71 11 00-0014	Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges	(08 71 11 00-0002) Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.			
08 71 11 00-0015	PR 3-1/2" x 3-1/2", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge		122.95		8.98
08 71 11 00-0016	PR 4" x 4", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....		138.69		12.84
08 71 11 00-0017	PR 4-1/2" x 4-1/2", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge		142.16		14.12
08 71 11 00-0018	PR 5" x 4", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....		165.03		16.69

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 71 11 00-0019		Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges (08 71 11 00-0002) Note: Surface mounted to the face of the door and set into mortised rabbet edge of the frame.		
08 71 11 00-0020	PR	4-1/2" x 4-1/2" Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	157.98	14.12
		For Clear Coated Bright Brass, Add	11.85	
		For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0021	PR	5" x 4" Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	179.51	16.69
		For Clear Coated Bright Brass, Add	13.15	
		For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0022	PR	5" x 5" Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	199.39	16.69
		For Clear Coated Bright Brass, Add	15.93	
		For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0023		Standard Duty, Half Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges (08 71 11 00-0002) Note: Set into mortised edge of the door and surface applied to the face of the frame.		
08 71 11 00-0024	PR	4-1/2" x 4-1/2" Standard Duty, Half Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	161.92	14.12
		For Clear Coated Bright Brass, Add	12.40	
		For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0025	PR	5" x 4" Standard Duty, Half Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	190.70	16.69
		For Clear Coated Bright Brass, Add	14.72	
		For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0026		Heavy-Duty, Full Mortise, Plain Bearing, Brass/Bronze Satin Chrome Finish Hinge (08 71 11 00-0002) Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.		
08 71 11 00-0027	PR	4-1/2" x 4-1/2" Heavy-Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge	157.16	14.12
		For Clear Coated Bright Brass, Add	11.73	
		For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0028	PR	5" x 5" Heavy-Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge	181.67	21.44
		For Clear Coated Bright Brass, Add	13.45	
		For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0029	PR	6" x 5" Heavy-Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge	215.83	21.44
		For Clear Coated Bright Brass, Add	18.23	
		For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0030		Mortised, Wrought Steel Hinges (08 71 11 00-0001) Note: Clear coated, US 26D satin chrome finish (BHMA 652).		
08 71 11 00-0031		Full Mortise, Plain Bearing, Wrought Steel Hinges (08 71 11 00-0030) Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.		
08 71 11 00-0032	PR	3-1/2" x 3-1/2", Standard Duty, Full Mortise, Plain Bearing, Wrought Steel Hinge	66.61	8.98
		For Primed For Paint Finish, Deduct	-3.63	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	2.27	
		For Satin Brass Plated Clear Coated Finish, Deduct	-2.18	
		For Stainless Steel, Add	9.99	
		For Heavy-Duty, Add	2.72	
		For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0033	PR	4" x 4", Standard Duty, Full Mortise, Plain Bearing, Wrought Steel Hinge	84.23	12.84
		For Primed For Paint Finish, Deduct	-4.01	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	2.51	
		For Satin Brass Plated Clear Coated Finish, Deduct	-2.40	
		For Stainless Steel, Add	11.02	
		For Heavy-Duty, Add	3.01	
		For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0034	PR	4-1/2" x 4-1/2", Standard Duty, Full Mortise, Plain Bearing, Wrought Steel Hinge	97.78	14.12
		For Primed For Paint Finish, Deduct	-4.88	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	3.05	
		For Satin Brass Plated Clear Coated Finish, Deduct	-2.93	
		For Stainless Steel, Add	13.43	
		For Heavy-Duty, Add	3.66	
		For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0035		Full Mortise, Ball Bearing, Wrought Steel Hinges (08 71 11 00-0030) Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.		
08 71 11 00-0036	PR	3-1/2" x 3-1/2", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge	114.64	8.98
		For Primed For Paint Finish, Deduct	-13.24	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	8.27	
		For Satin Brass Plated Clear Coated Finish, Deduct	-7.94	
		For Stainless Steel, Add	36.40	
		For Heavy-Duty, Add	9.93	
		For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0037	PR	4" x 4", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge	139.15	12.84
		For Primed For Paint Finish, Deduct	-14.99	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	9.37	
		For Satin Brass Plated Clear Coated Finish, Deduct	-9.00	
		For Stainless Steel, Add	41.23	
		For Heavy-Duty, Add	11.24	
		For Pair Of Non-Removable Pins (NRP), Add	6.00	

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

08 71 11 00-0038	PR	4-1/2" x 4-1/2", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge.....	113.00	14.12
		For Primed For Paint Finish, Deduct	-7.93	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	4.96	
		For Satin Brass Plated Clear Coated Finish, Deduct	-4.76	
		For Stainless Steel, Add	21.80	
		For Heavy-Duty, Add	5.95	
		For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0039	PR	5" x 4", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge.....	186.29	15.53
		For Primed For Paint Finish, Deduct	-21.38	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	13.36	
		For Satin Brass Plated Clear Coated Finish, Deduct	-12.83	
		For Stainless Steel, Add	58.78	
		For Heavy-Duty, Add	16.03	
		For Pair Of Non-Removable Pins (NRP), Add	6.00	
		For Extra Heavy-Duty, Add	42.75	
08 71 11 00-0040	PR	5" x 4-1/2", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge.....	195.18	16.69
		For Primed For Paint Finish, Deduct	-21.92	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	13.70	
		For Satin Brass Plated Clear Coated Finish, Deduct	-13.15	
		For Stainless Steel, Add	60.27	
		For Heavy-Duty, Add	16.44	
		For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0041	PR	5" x 5", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge.....	210.65	16.69
		For Primed For Paint Finish, Deduct	-25.01	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	15.63	
		For Satin Brass Plated Clear Coated Finish, Deduct	-15.01	
		For Stainless Steel, Add	68.78	
		For Heavy-Duty, Add	18.76	
		For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0042	PR	6" x 5", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge.....	257.80	16.69
		For Primed For Paint Finish, Deduct	-34.44	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	21.53	
		For Satin Brass Plated Clear Coated Finish, Deduct	-20.67	
		For Stainless Steel, Add	94.72	
		For Heavy-Duty, Add	25.83	
		For Pair Of Non-Removable Pins (NRP), Add	6.00	

08 71 11 00-0043 Half Surface, Plain Bearing, Wrought Steel Hinges (08 71 11 00-0030)

Note: Surface mounted to the face of the door and set into mortised rabbet edge of the frame.

08 71 11 00-0044	PR	3-1/2" x 3-1/2", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge.....	142.38	8.98
		For Primed For Paint Finish, Deduct	-18.79	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	11.74	
		For Satin Brass Plated Clear Coated Finish, Deduct	-11.27	
		For Stainless Steel, Add	51.66	
		For Heavy-Duty, Add	14.09	
		For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0045	PR	4" x 4", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge.....	170.65	12.84
		For Primed For Paint Finish, Deduct	-21.29	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	13.31	
		For Satin Brass Plated Clear Coated Finish, Deduct	-12.78	
		For Stainless Steel, Add	58.55	
		For Heavy-Duty, Add	15.97	
		For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0046	PR	4-1/2" x 4-1/2", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge.....	192.34	14.12
		For Primed For Paint Finish, Deduct	-23.80	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	14.87	
		For Satin Brass Plated Clear Coated Finish, Deduct	-14.28	
		For Stainless Steel, Add	65.44	
		For Heavy-Duty, Add	17.85	
		For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0047	PR	5" x 4-1/2", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge.....	217.10	16.69
		For Primed For Paint Finish, Deduct	-26.30	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	16.44	
		For Satin Brass Plated Clear Coated Finish, Deduct	-15.78	
		For Stainless Steel, Add	72.33	
		For Heavy-Duty, Add	19.73	
		For Pair Of Non-Removable Pins (NRP), Add	6.00	

08 71 11 00-0048 Half Surface, Ball Bearing, Wrought Steel Hinges (08 71 11 00-0030)

Note: Surface mounted to the face of the door and set into mortised rabbet edge of the frame.

08 71 11 00-0049	PR	4" x 4", Standard Duty, Half Surface, Ball Bearing, Wrought Steel Hinge.....	198.83	14.12
		For Primed For Paint Finish, Deduct	-26.93	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	16.83	
		For Satin Brass Plated Clear Coated Finish, Deduct	-16.16	
		For Stainless Steel, Add	74.05	
		For Heavy-Duty, Add	20.20	
		For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0050	PR	4-1/2" x 4-1/2", Standard Duty, Half Surface, Ball Bearing, Wrought Steel Hinge.....	222.34	14.12
		For Primed For Paint Finish, Deduct	-29.80	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	18.62	
		For Satin Brass Plated Clear Coated Finish, Deduct	-17.88	
		For Stainless Steel, Add	81.94	
		For Heavy-Duty, Add	22.35	
		For Pair Of Non-Removable Pins (NRP), Add	6.00	

			Openings	08	08
			Hardware	08 70	
			Door Hardware	08 71	
MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
			UNIT COST	UNIT COST	
08 71 11 00-0051	PR	5" x 5", Standard Duty, Half Surface, Ball Bearing, Wrought Steel Hinge..... For Primed For Paint Finish, Deduct For Bright Chrome Plated Finish US26 (BHMA 625), Add For Satin Brass Plated Clear Coated Finish, Deduct For Stainless Steel, Add For Heavy-Duty, Add For Pair Of Non-Removable Pins (NRP), Add	257.80 -34.44 21.53 -20.67 94.72 25.83 6.00		16.69
08 71 11 00-0052		Slide-In, Full Mortise, Ball Bearing, Wrought Steel Hinges (08 71 11 00-0030) Note: Both leaves slide into a cavity prepared in the door and door frame.			
08 71 11 00-0053	PR	4-1/2" x 4-1/2", Standard Duty, Slide In, Full Mortise, Ball Bearing, Wrought Steel Hinge..... For Primed For Paint Finish, Deduct For Bright Chrome Plated Finish US26 (BHMA 625), Add For Satin Brass Plated Clear Coated Finish, Deduct For Stainless Steel, Add For Heavy-Duty, Add For Pair Of Non-Removable Pins (NRP), Add	155.22 -16.37 10.23 -9.82 45.02 12.28 6.00		14.12
08 71 11 00-0054		Blank Butt Hinges (08 71 11 00-0030)			
08 71 11 00-0055	PR	3-1/2" x 3-1/2" To 5" x 5", Blank Butt With Screws, Steel Hinge..... For Primed For Paint Finish, Deduct For Bright Chrome Plated Finish US26 (BHMA 625), Add For Satin Brass Plated Clear Coated Finish, Deduct For Stainless Steel, Add For Heavy-Duty, Add For Pair Of Non-Removable Pins (NRP), Add	33.37 -2.08 1.30 -1.25 5.73 1.56 6.00		5.77
08 71 11 00-0056		Full Mortise, Single Acting Spring, Wrought Steel Hinges (08 71 11 00-0030) Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.			
08 71 11 00-0057	PR	3-1/2" x 3-1/2", Full Mortise, Single Acting Spring, Wrought Steel Hinge..... For Primed For Paint Finish, Deduct For Bright Chrome Plated Finish US26 (BHMA 625), Add For Satin Brass Plated Clear Coated Finish, Deduct For Stainless Steel, Add	126.64 -15.64 9.77 -9.38 43.00		8.98
08 71 11 00-0058	PR	4" x 4", Full Mortise, Single Acting Spring, Wrought Steel Hinge..... For Primed For Paint Finish, Deduct For Bright Chrome Plated Finish US26 (BHMA 625), Add For Satin Brass Plated Clear Coated Finish, Deduct For Stainless Steel, Add	166.47 -20.46 12.79 -12.27 56.25		12.84
08 71 11 00-0059	PR	4-1/2" x 4-1/2", Full Mortise, Single Acting Spring, Wrought Steel Hinge..... For Primed For Paint Finish, Deduct For Bright Chrome Plated Finish US26 (BHMA 625), Add For Satin Brass Plated Clear Coated Finish, Deduct For Stainless Steel, Add	223.81 -30.09 18.81 -18.05 82.75		14.12
08 71 11 00-0060		Offset And Pivot Hinges (08 71 11 00-0001) Note: Satin chrome plated, US26D.			
08 71 11 00-0061		Offset Swing Clear Hinges (08 71 11 00-0060) Note: For use on 1-3/8" and 1-3/4" doors. Allows doors to swing completely clear of the openings.			
08 71 11 00-0062	EA	4-1/2", Steel, Satin Chrome Finish, Swing Clear, Offset Hinges.....	184.94		4.00
08 71 11 00-0063	EA	4-1/2", Steel, Satin Chrome Finish, Full Mortise Swing Clear Hinge (Hager AB7501).....	214.36		4.00
08 71 11 00-0064	EA	5", Steel, Satin Chrome Finish, Full Mortise Swing Clear Hinge (Hager AB7501).....	214.36		4.00
08 71 11 00-0065		Offset Pivot Hinges (08 71 11 00-0060)			
08 71 11 00-0066		3/4" Offset Pivot Hinges (08 71 11 00-0065)			
08 71 11 00-0067		3/4" Offset Pivot Hinges (08 71 11 00-0066)			
08 71 11 00-0068		Top Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0067)			
08 71 11 00-0069		200 Lb. Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0068)			
08 71 11 00-0070	EA	Painted Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top).....	148.93		12.84
08 71 11 00-0071	EA	Satin Chrome Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top).....	199.36		12.84
08 71 11 00-0072	EA	Bright Brass Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top).....	227.38		12.84
08 71 11 00-0073	EA	Satin Brass Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top).....	227.38		12.84
08 71 11 00-0074	EA	Satin Bronze Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top).....	227.38		12.84
08 71 11 00-0075	EA	Dark Bronze Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top).....	227.38		12.84
08 71 11 00-0076	EA	Bright Chrome Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top).....	227.38		12.84
08 71 11 00-0077	EA	Painted Finish, 200 Lb. Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top).....	163.50		12.84
08 71 11 00-0078	EA	Satin Chrome Finish, 200 Lb. Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top).....	207.22		12.84
08 71 11 00-0079	EA	Bright Brass Finish, 200 Lb. Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top).....	236.34		12.84
08 71 11 00-0080	EA	Satin Brass Finish, 200 Lb. Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top).....	236.34		12.84
08 71 11 00-0081	EA	Satin Bronze Finish, 200 Lb. Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top).....	236.34		12.84
08 71 11 00-0082	EA	Dark Bronze Finish, 200 Lb. Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top).....	236.34		12.84
08 71 11 00-0083	EA	Bright Chrome Finish, 200 Lb. Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top).....	236.34		12.84
08 71 11 00-0084	EA	Painted Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top).....	148.93		12.84
08 71 11 00-0085	EA	Satin Chrome Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top).....	199.36		12.84
08 71 11 00-0086	EA	Bright Brass Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top).....	227.38		12.84
08 71 11 00-0087	EA	Satin Brass Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top).....	227.38		12.84
08 71 11 00-0088	EA	Satin Bronze Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top).....	227.38		12.84
08 71 11 00-0089	EA	Dark Bronze Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top).....	227.38		12.84
08 71 11 00-0090	EA	Bright Chrome Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top).....	227.38		12.84

			Openings	08	08
			Hardware	08 70	
			Door Hardware	08 71	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 71 11 00-0149			200 Lb. Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0148)		
08 71 11 00-0150	EA		Painted Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM)	163.50	12.84
08 71 11 00-0151	EA		Satin Chrome Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM)	207.22	12.84
08 71 11 00-0152	EA		Bright Brass Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM)	236.34	12.84
08 71 11 00-0153	EA		Satin Brass Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM)	236.34	12.84
08 71 11 00-0154	EA		Satin Bronze Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM)	236.34	12.84
08 71 11 00-0155	EA		Dark Bronze Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM)	305.04	12.84
08 71 11 00-0156	EA		Bright Chrome Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM)	236.34	12.84
08 71 11 00-0157	EA		Painted Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM)	163.50	12.84
08 71 11 00-0158	EA		Satin Chrome Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM)	207.22	12.84
08 71 11 00-0159	EA		Bright Brass Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM)	236.34	12.84
08 71 11 00-0160	EA		Satin Brass Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM)	236.34	12.84
08 71 11 00-0161	EA		Satin Bronze Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM)	236.34	12.84
08 71 11 00-0162	EA		Dark Bronze Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM)	236.34	12.84
08 71 11 00-0163	EA		Bright Chrome Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM)	236.34	12.84
08 71 11 00-0164	EA		Painted Finish, 200 Lb. Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM)	142.21	12.84
08 71 11 00-0165	EA		Satin Chrome Finish, 200 Lb. Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM)	192.65	12.84
08 71 11 00-0166	EA		Bright Brass Finish, 200 Lb. Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM)	221.77	12.84
08 71 11 00-0167	EA		Satin Brass Finish, 200 Lb. Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM)	221.77	12.84
08 71 11 00-0168	EA		Satin Bronze Finish, 200 Lb. Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM)	221.77	12.84
08 71 11 00-0169	EA		Dark Bronze Finish, 200 Lb. Lb. Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM)	221.77	12.84
08 71 11 00-0170	EA		Bright Chrome Finish, 200 Lb. Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM)	221.77	12.84
08 71 11 00-0171			500 Lb. Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0148)		
08 71 11 00-0172	EA		Satin Chrome Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	248.37	16.05
08 71 11 00-0173	EA		Bright Brass Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	264.05	16.05
08 71 11 00-0174	EA		Satin Brass Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	264.05	16.05
08 71 11 00-0175	EA		Satin Bronze Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	264.05	16.05
08 71 11 00-0176	EA		Dark Bronze Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	264.05	16.05
08 71 11 00-0177	EA		Bright Chrome Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	264.05	16.05
08 71 11 00-0178	EA		Painted Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	268.53	16.05
08 71 11 00-0179			600 Lb. Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0148)		
08 71 11 00-0180	EA		Painted Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	213.64	16.05
08 71 11 00-0181	EA		Satin Chrome Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	233.80	16.05
08 71 11 00-0182	EA		Bright Brass Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	248.37	16.05
08 71 11 00-0183	EA		Satin Brass Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	248.37	16.05
08 71 11 00-0184	EA		Satin Bronze Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	248.37	16.05
08 71 11 00-0185	EA		Dark Bronze Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	248.37	16.05
08 71 11 00-0186	EA		Bright Chrome Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	248.37	16.05
08 71 11 00-0187			700 Lb. Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0148)		
08 71 11 00-0188	EA		Painted Finish, 700 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	487.05	16.05
08 71 11 00-0189	EA		Satin Chrome Finish, 700 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	522.91	16.05
08 71 11 00-0190	EA		Bright Brass Finish, 700 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	580.07	16.05
08 71 11 00-0191	EA		Satin Brass Finish, 700 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	580.07	16.05
08 71 11 00-0192	EA		Satin Bronze Finish, 700 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	580.07	16.05
08 71 11 00-0193	EA		Dark Bronze Finish, 700 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	580.07	16.05
08 71 11 00-0194	EA		Bright Chrome Finish, 700 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	580.07	16.05
08 71 11 00-0195			Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0066)		
08 71 11 00-0196			Top Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0195)		
08 71 11 00-0197			500 Lb. Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0196)		
08 71 11 00-0198	EA		Painted Finish, 500 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top)	290.97	16.05
08 71 11 00-0199	EA		Satin Stainless Finish, 500 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top)	343.61	16.05
08 71 11 00-0200	EA		Bright Stainless Finish, 500 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top)	386.20	16.05
08 71 11 00-0201	EA		Bright Brass Finish, 500 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top)	386.20	16.05
08 71 11 00-0202	EA		Satin Bronze Finish, 500 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top)	386.20	16.05
08 71 11 00-0203			600 Lb. Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0196)		
08 71 11 00-0204	EA		Painted Finish, 600 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top)	290.97	16.05
08 71 11 00-0205	EA		Satin Stainless Finish, 600 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top)	343.61	16.05
08 71 11 00-0206	EA		Bright Stainless Finish, 600 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top)	386.20	16.05

08	08	Openings
	08 70	Hardware
	08 71	Door Hardware

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
08 71 11 00-0207	EA	Bright Brass Finish, 600 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top).....	386.20	16.05	
08 71 11 00-0208	EA	Satin Bronze Finish, 600 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top).....	386.20	16.05	
08 71 11 00-0209		700 Lb. Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0196)			
08 71 11 00-0210	EA	Painted Finish, 700 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top).....	290.97	16.05	
08 71 11 00-0211	EA	Satin Stainless Finish, 700 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top).....	343.61	16.05	
08 71 11 00-0212	EA	Bright Stainless Finish, 700 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top).....	386.20	16.05	
08 71 11 00-0213	EA	Bright Brass Finish, 700 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top).....	386.20	16.05	
08 71 11 00-0214	EA	Satin Bronze Finish, 700 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top).....	386.20	16.05	
08 71 11 00-0215		1,000 Lb. Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0196)			
08 71 11 00-0216	EA	Painted Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top).....	306.34	19.26	
08 71 11 00-0217	EA	Satin Stainless Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top).....	350.04	19.26	
08 71 11 00-0218	EA	Bright Stainless Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top).....	370.22	19.26	
08 71 11 00-0219	EA	Bright Brass Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top).....	370.22	19.26	
08 71 11 00-0220	EA	Satin Bronze Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top).....	370.22	19.26	
08 71 11 00-0221		1,750 Lb. Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0196)			
08 71 11 00-0222	EA	Painted Finish, 1,750 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top).....	306.34	19.26	
08 71 11 00-0223	EA	Satin Stainless Finish, 1,750 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top).....	350.04	19.26	
08 71 11 00-0224	EA	Bright Stainless Finish, 1,750 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top).....	370.22	19.26	
08 71 11 00-0225	EA	Bright Brass Finish, 1,750 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top).....	370.22	19.26	
08 71 11 00-0226	EA	Satin Bronze Finish, 1,750 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top).....	370.22	19.26	
08 71 11 00-0227		Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0195)			
08 71 11 00-0228		500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0227)			
08 71 11 00-0229	EA	Painted Finish, 500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT).....	299.91	16.05	
08 71 11 00-0230	EA	Satin Stainless Finish, 500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT).....	349.22	16.05	
08 71 11 00-0231	EA	Bright Stainless Finish, 500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT).....	363.79	16.05	
08 71 11 00-0232	EA	Bright Brass Finish, 500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT).....	363.79	16.05	
08 71 11 00-0233	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT).....	363.79	16.05	
08 71 11 00-0234		600 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0227)			
08 71 11 00-0235	EA	Painted Finish, 600 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT).....	299.91	16.05	
08 71 11 00-0236	EA	Satin Stainless Finish, 600 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT).....	349.22	16.05	
08 71 11 00-0237	EA	Bright Stainless Finish, 600 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT).....	363.79	16.05	
08 71 11 00-0238	EA	Bright Brass Finish, 600 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT).....	363.79	16.05	
08 71 11 00-0239	EA	Satin Bronze Finish, 600 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT).....	363.79	16.05	
08 71 11 00-0240		700 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0227)			
08 71 11 00-0241	EA	Painted Finish, 700 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT).....	299.91	16.05	
08 71 11 00-0242	EA	Satin Stainless Finish, 700 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT).....	349.22	16.05	
08 71 11 00-0243	EA	Bright Stainless Finish, 700 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT).....	363.79	16.05	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
08 71 11 00-0244	EA		Bright Brass Finish, 700 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT).....	363.79	16.05
08 71 11 00-0245	EA		Satin Bronze Finish, 700 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT).....	363.79	16.05
08 71 11 00-0246			1,000 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0227)		
08 71 11 00-0247	EA		Painted Finish, 1,000 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT).....	335.49	19.26
08 71 11 00-0248	EA		Satin Stainless Finish, 1,000 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT).....	385.90	19.26
08 71 11 00-0249	EA		Bright Stainless Finish, 1,000 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT).....	399.35	19.26
08 71 11 00-0250	EA		Bright Brass Finish, 1,000 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT).....	399.35	19.26
08 71 11 00-0251	EA		Satin Bronze Finish, 1,000 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT).....	399.35	19.26
08 71 11 00-0252			1,750 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0227)		
08 71 11 00-0253	EA		Painted Finish, 1,750 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT).....	335.49	19.26
08 71 11 00-0254	EA		Satin Stainless Finish, 1,750 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT).....	385.90	19.26
08 71 11 00-0255	EA		Bright Stainless Finish, 1,750 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT).....	399.35	19.26
08 71 11 00-0256	EA		Bright Brass Finish, 1,750 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT).....	399.35	19.26
08 71 11 00-0257	EA		Satin Bronze Finish, 1,750 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT).....	399.35	19.26
08 71 11 00-0258			Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0195)		
08 71 11 00-0259			500 Lb. Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0258)		
08 71 11 00-0260	EA		Painted Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM).....	334.67	16.05
08 71 11 00-0261	EA		Satin Stainless Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM).....	414.22	16.05
08 71 11 00-0262	EA		Bright Stainless Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM).....	444.47	16.05
08 71 11 00-0263	EA		Bright Brass Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM).....	444.47	16.05
08 71 11 00-0264	EA		Satin Bronze Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM).....	444.47	16.05
08 71 11 00-0265			600 Lb. Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0258)		
08 71 11 00-0266	EA		Painted Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM).....	329.06	16.05
08 71 11 00-0267	EA		Satin Stainless Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM).....	349.22	16.05
08 71 11 00-0268	EA		Bright Stainless Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM).....	400.78	16.05
08 71 11 00-0269	EA		Bright Brass Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM).....	400.78	16.05
08 71 11 00-0270	EA		Satin Bronze Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM).....	400.78	16.05
08 71 11 00-0271			1,000 Lb. Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0258)		
08 71 11 00-0272	EA		Painted Finish, 1,000 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM).....	378.06	19.26
08 71 11 00-0273	EA		Satin Stainless Finish, 1,000 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM).....	420.65	19.26
08 71 11 00-0274	EA		Bright Stainless Finish, 1,000 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM).....	436.33	19.26
08 71 11 00-0275	EA		Bright Brass Finish, 1,000 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM).....	436.33	19.26
08 71 11 00-0276	EA		Satin Bronze Finish, 1,000 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM).....	436.33	19.26
08 71 11 00-0277			1,750 Lb. Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0258)		
08 71 11 00-0278	EA		Painted Finish, 1,750 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM).....	536.07	19.26
08 71 11 00-0279	EA		Satin Stainless Finish, 1,750 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM).....	571.93	19.26

08	08	Openings
	08 70	Hardware
	08 71	Door Hardware

		MINOR					TOTAL DIRECT	DEMOLITION
		CSI	UOM	DESCRIPTION			UNIT COST	UNIT COST
08 71 11 00-0280	EA			Bright Stainless Finish, 1,750 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM).....	586.50		19.26	
08 71 11 00-0281	EA			Bright Brass Finish, 1,750 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM).....	586.50		19.26	
08 71 11 00-0282	EA			Satin Bronze Finish, 1,750 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM).....	586.50		19.26	
08 71 11 00-0283				1-1/2" Offset Pivot Hinges (08 71 11 00-0065)				
08 71 11 00-0284				Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 11 00-0283)				
08 71 11 00-0285				Top Mount, Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 11 00-0284)				
08 71 11 00-0286				400 Lb. Max Door Weight, Top Mount, Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 11 00-0285)				
08 71 11 00-0287	EA			Painted Finish, 400 Lb. Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top).....	343.61		16.05	
08 71 11 00-0288	EA			Satin Stainless Finish, 400 Lb. Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top).....	371.63		16.05	
08 71 11 00-0289	EA			Bright Stainless Finish, 400 Lb. Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top).....	392.92		16.05	
08 71 11 00-0290	EA			Bright Bronze Finish, 400 Lb. Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top).....	392.92		16.05	
08 71 11 00-0291	EA			Satin Bronze Finish, 400 Lb. Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top).....	392.92		16.05	
08 71 11 00-0292				500 Lb. Max Door Weight, Top Mount, Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 11 00-0285)				
08 71 11 00-0293	EA			Painted Finish, 500 Lb. Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top).....	343.61		16.05	
08 71 11 00-0294	EA			Satin Stainless Finish, 500 Lb. Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top).....	371.63		16.05	
08 71 11 00-0295	EA			Bright Stainless Finish, 500 Lb. Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top).....	392.92		16.05	
08 71 11 00-0296	EA			Bright Bronze Finish, 500 Lb. Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top).....	392.92		16.05	
08 71 11 00-0297	EA			Satin Bronze Finish, 500 Lb. Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top).....	392.92		16.05	
08 71 11 00-0298				Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 11 00-0284)				
08 71 11 00-0299				400 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 11 00-0298)				
08 71 11 00-0300	EA			Painted Finish, 400 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT).....	357.06		16.05	
08 71 11 00-0301	EA			Satin Stainless Finish, 400 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT).....	400.78		16.05	
08 71 11 00-0302	EA			Bright Stainless Finish, 400 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT).....	422.06		16.05	
08 71 11 00-0303	EA			Bright Brass Finish, 400 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT).....	422.06		16.05	
08 71 11 00-0304	EA			Satin Bronze Finish, 400 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT).....	422.06		16.05	
08 71 11 00-0305				500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 11 00-0298)				
08 71 11 00-0306	EA			Painted Finish, 500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT).....	357.06		16.05	
08 71 11 00-0307	EA			Satin Stainless Finish, 500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT).....	400.78		16.05	
08 71 11 00-0308	EA			Bright Stainless Finish, 500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT).....	422.06		16.05	
08 71 11 00-0309	EA			Bright Brass Finish, 500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT).....	422.06		16.05	
08 71 11 00-0310	EA			Satin Bronze Finish, 500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT).....	422.06		16.05	
08 71 11 00-0311				Bottom Mount, Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 11 00-0284)				
08 71 11 00-0312				400 Lb. Max Door Weight, Bottom Mount, Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 11 00-0311)				
08 71 11 00-0313	EA			Painted Finish, 400 Lb. Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM).....	349.22		16.05	
08 71 11 00-0314	EA			Satin Stainless Finish, 400 Lb. Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM).....	400.78		16.05	
08 71 11 00-0315	EA			Bright Stainless Finish, 400 Lb. Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM).....	422.06		16.05	
08 71 11 00-0316	EA			Bright Brass Finish, 400 Lb. Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM).....	422.06		16.05	
08 71 11 00-0317	EA			Satin Bronze Finish, 400 Lb. Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM).....	422.06		16.05	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0318		500 Lb. Max Door Weight, Bottom Mount, Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 11 00-0311)		
08 71 11 00-0319	EA	Painted Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM).....	565.50	16.05
08 71 11 00-0320	EA	Satin Stainless Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM).....	623.77	16.05
08 71 11 00-0321	EA	Bright Stainless Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM).....	638.35	16.05
08 71 11 00-0322	EA	Bright Brass Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM).....	638.35	16.05
08 71 11 00-0323	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM).....	638.35	16.05
08 71 11 00-0324		Center Hung Pivot Hinges (08 71 11 00-0060)		
08 71 11 00-0325		Top Mount, Center Hung Pivot Hinges (08 71 11 00-0324)		
08 71 11 00-0326		300 Lb. Max Door Weight, Top Mount, Center Hung Pivot Hinges (08 71 11 00-0325)		
08 71 11 00-0327	EA	Painted Finish, 300 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)	178.07	12.84
08 71 11 00-0328	EA	Satin Chrome Finish, 300 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)	192.65	12.84
08 71 11 00-0329	EA	Bright Brass Finish, 300 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top).....	192.65	12.84
08 71 11 00-0330	EA	Satin Brass Finish, 300 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)	192.65	12.84
08 71 11 00-0331	EA	Satin Bronze Finish, 300 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top).....	192.65	12.84
08 71 11 00-0332	EA	Dark Bronze Finish, 300 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)	192.65	12.84
08 71 11 00-0333	EA	Bright Chrome Finish, 300 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)	192.65	12.84
08 71 11 00-0334		500 Lb. Max Door Weight, Top Mount, Center Hung Pivot Hinges (08 71 11 00-0325)		
08 71 11 00-0335	EA	Painted Finish, 500 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top).....	184.49	16.05
08 71 11 00-0336	EA	Satin Chrome Finish, 500 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	199.07	16.05
08 71 11 00-0337	EA	Bright Brass Finish, 500 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top).....	199.07	16.05
08 71 11 00-0338	EA	Satin Brass Finish, 500 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top).....	199.07	16.05
08 71 11 00-0339	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top).....	199.07	16.05
08 71 11 00-0340	EA	Dark Bronze Finish, 500 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	199.07	16.05
08 71 11 00-0341	EA	Bright Chrome Finish, 500 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	199.07	16.05
08 71 11 00-0342		600 Lb. Max Door Weight, Top Mount, Center Hung Pivot Hinges (08 71 11 00-0325)		
08 71 11 00-0343	EA	Painted Finish, 600 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top)	184.49	16.05
08 71 11 00-0344	EA	Satin Chrome Finish, 600 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top)	199.07	16.05
08 71 11 00-0345	EA	Bright Brass Finish, 600 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top).....	199.07	16.05
08 71 11 00-0346	EA	Satin Brass Finish, 600 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top).....	199.07	16.05
08 71 11 00-0347	EA	Satin Bronze Finish, 600 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top).....	199.07	16.05
08 71 11 00-0348	EA	Dark Bronze Finish, 600 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top)	199.07	16.05
08 71 11 00-0349	EA	Bright Chrome Finish, 600 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top)	199.07	16.05
08 71 11 00-0350		1,000 Lb. Max Door Weight, Top Mount, Center Hung Pivot Hinges (08 71 11 00-0325)		
08 71 11 00-0351	EA	Painted Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top).....	291.77	19.26
08 71 11 00-0352	EA	Satin Chrome Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top)	341.10	19.26
08 71 11 00-0353	EA	Bright Brass Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top).....	392.63	19.26
08 71 11 00-0354	EA	Satin Brass Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top).....	392.63	19.26
08 71 11 00-0355	EA	Satin Bronze Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top).....	392.63	19.26
08 71 11 00-0356	EA	Dark Bronze Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top)	392.63	19.26
08 71 11 00-0357	EA	Bright Chrome Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top)	392.63	19.26
08 71 11 00-0358		Bottom Mount, Center Hung Pivot Hinges (08 71 11 00-0324)		
08 71 11 00-0359		300 Lb. Max Door Weight, Bottom Mount, Center Hung Pivot Hinges (08 71 11 00-0358)		
08 71 11 00-0360	EA	Painted Finish, 300 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM)	135.48	12.84
08 71 11 00-0361	EA	Satin Chrome Finish, 300 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	156.79	12.84
08 71 11 00-0362	EA	Bright Brass Finish, 300 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	178.07	12.84
08 71 11 00-0363	EA	Satin Brass Finish, 300 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	178.07	12.84
08 71 11 00-0364	EA	Satin Bronze Finish, 300 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	178.07	12.84
08 71 11 00-0365	EA	Dark Bronze Finish, 300 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	178.07	12.84
08 71 11 00-0366	EA	Bright Chrome Finish, 300 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	178.07	12.84
08 71 11 00-0367		500 Lb. Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0358)		
08 71 11 00-0368	EA	Painted Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM)	199.07	16.05
08 71 11 00-0369	EA	Satin Chrome Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	205.78	16.05
08 71 11 00-0370	EA	Bright Brass Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	205.78	16.05

08 Openings**08 70 Hardware****08 71 Door Hardware**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 71 11 00-0371	EA	Satin Brass Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	205.78	16.05
08 71 11 00-0372	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	205.78	16.05
08 71 11 00-0373	EA	Dark Bronze Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	205.78	16.05
08 71 11 00-0374	EA	Bright Chrome Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	205.78	16.05
08 71 11 00-0375	EA	Painted Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM).....	199.07	16.05
08 71 11 00-0376	EA	Satin Chrome Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM).....	205.78	16.05
08 71 11 00-0377	EA	Bright Brass Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM).....	205.78	16.05
08 71 11 00-0378	EA	Satin Brass Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM).....	205.78	16.05
08 71 11 00-0379	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM).....	205.78	16.05
08 71 11 00-0380	EA	Dark Bronze Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM).....	205.78	16.05
08 71 11 00-0381	EA	Bright Chrome Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM).....	205.78	16.05

08 71 11 00-0382 600 Lb. Max Door Weight, Bottom Mount, Center Hung Pivot Hinges (08 71 11 00-0358)

08 71 11 00-0383	EA	Painted Finish, 600 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM).....	400.78	16.05
08 71 11 00-0384	EA	Satin Chrome Finish, 600 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM).....	422.06	16.05
08 71 11 00-0385	EA	Bright Brass Finish, 600 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM).....	444.47	16.05
08 71 11 00-0386	EA	Satin Brass Finish, 600 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM).....	444.47	16.05
08 71 11 00-0387	EA	Satin Bronze Finish, 600 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM).....	444.47	16.05
08 71 11 00-0388	EA	Dark Bronze Finish, 600 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM).....	444.47	16.05
08 71 11 00-0389	EA	Bright Chrome Finish, 600 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM).....	444.47	16.05

08 71 11 00-0390 1,000 Lb. Max Door Weight, Bottom Mount, Center Hung Pivot Hinges (08 71 11 00-0358)

08 71 11 00-0391	EA	Painted Finish, 1,000 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	737.78	19.26
08 71 11 00-0392	EA	Satin Chrome Finish, 1,000 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	759.07	19.26
08 71 11 00-0393	EA	Bright Brass Finish, 1,000 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	788.21	19.26
08 71 11 00-0394	EA	Satin Brass Finish, 1,000 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	788.21	19.26
08 71 11 00-0395	EA	Satin Bronze Finish, 1,000 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	788.21	19.26
08 71 11 00-0396	EA	Dark Bronze Finish, 1,000 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	788.21	19.26
08 71 11 00-0397	EA	Bright Chrome Finish, 1,000 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	788.21	19.26

08 71 11 00-0398 Continuous Barrel-Type Hinge (08 71 11 00-0001)

08 71 11 00-0399	LF	1-1/2" Wide, Steel, Continuous Barrel-Type Hinge.....	31.84	5.13
		For Stainless Steel, Add.....	6.22	
		For Brass Or Nickel, Add.....	6.78	
		For Aluminum, Add.....	2.21	
		For Medium Gauge, Deduct.....	-2.26	
08 71 11 00-0400	LF	2" Wide, Steel, Continuous Barrel-Type Hinge.....	32.59	5.13
		For Stainless Steel, Add.....	6.63	
		For Brass Or Nickel, Add.....	7.23	
		For Aluminum, Add.....	2.36	
		For Medium Gauge, Deduct.....	-2.41	
08 71 11 00-0401	LF	2-1/2" Wide, Steel, Continuous Barrel-Type Hinge.....	34.10	5.13
		For Stainless Steel, Add.....	7.46	
		For Brass Or Nickel, Add.....	8.14	
		For Aluminum, Add.....	2.66	
		For Medium Gauge, Deduct.....	-2.71	
08 71 11 00-0402	LF	3" Wide, Steel, Continuous Barrel-Type Hinge.....	35.80	5.13
		For Stainless Steel, Add.....	8.39	
		For Brass Or Nickel, Add.....	9.16	
		For Aluminum, Add.....	2.99	
		For Medium Gauge, Deduct.....	-3.05	

08 71 11 00-0403 Continuous Geared Hinges (08 71 11 00-0001)

08 71 11 00-0404	LF	Half Surface, Aluminum Geared Continuous Hinge, Standard Duty (Roton 780-053).....	64.61	5.13
		For Bronze Finish, Add.....	16.53	
		For Heavy-Duty, Add.....	11.78	
08 71 11 00-0405	LF	Full Surface, Aluminum Geared Continuous Hinge, Standard Duty (Roton 780-057).....	69.76	5.13
		For Bronze Finish, Add.....	18.46	
		For Heavy-Duty, Add.....	13.15	
08 71 11 00-0406	LF	Concealed (Full Mortise), Aluminum Geared Continuous Hinge, Standard Duty (Roton 780-112).....	43.94	5.13
		For Bronze Finish, Add.....	8.78	
08 71 11 00-0407	LF	Concealed (Full Mortise), Aluminum Geared Continuous Hinge, Heavy-Duty (Roton 780-112HD).....	51.41	5.13
		For Bronze Finish, Add.....	11.58	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 71 11 00-0408 Mortised, Primed Steel, Double Acting Spring Hinges (08 71 11 00-0001)		
08 71 11 00-0409 PR 2", Mortised, Primed Steel, Double Acting Spring Hinge	188.40	8.98
For Satin Brass, Add	34.43	
08 71 11 00-0410 PR 3", Mortised, Primed Steel, Double Acting Spring Hinge	201.30	11.56
For Satin Brass, Add	34.44	
08 71 11 00-0411 PR 4", Mortised, Primed Steel, Double Acting Spring Hinge	221.96	14.12
For Satin Brass, Add	36.32	
08 71 11 00-0412 PR 5", Mortised, Primed Steel, Double Acting Spring Hinge	292.85	16.69
For Satin Brass, Add	50.26	
08 71 11 00-0413 PR 6", Mortised, Primed Steel, Double Acting Spring Hinge	326.91	19.26
For Satin Brass, Add	55.35	
08 71 11 00-0414 PR 7", Mortised, Primed Steel, Double Acting Spring Hinge	394.80	21.83
For Satin Brass, Add	68.56	
08 71 11 00-0415 PR 8", Mortised, Primed Steel, Double Acting Spring Hinge	542.14	60.99
For Satin Brass, Add	100.84	
08 71 11 00-0416 Security Hinges (08 71 11 00-0001)		
08 71 11 00-0417 EA 4-1/2" x 4-1/2", Non-Removable Pin, Full Mortise, Ball Bearing, Steel Security Hinge	44.67	8.98
08 71 11 00-0418 Concealed Circuit Electric Hinge Option (08 71 11 00-0001)		
Note: Excludes the hinge. These tasks are used in conjunction with other hinges to electrify the hinge.		
08 71 11 00-0419 EA 4 Wire Concealed Circuit Electric Hinge Option.....	315.77	
08 71 11 00-0420 EA 6 Wire Concealed Circuit Electric Hinge Option.....	372.81	
08 71 11 00-0421 EA 8 Wire Concealed Circuit Electric Hinge Option.....	429.86	
08 71 11 00-0422 Hinge Filler Plates For Door Frames (08 71 11 00-0001)		
08 71 11 00-0423 PR Hinge Filler Plates For Door Frames	23.17	6.42
08 71 11 00-0424 Full Surface Swing Clear Pin And Barrel Hinge (08 71 11 00-0001)		
08 71 11 00-0425 LF 83-1/8", Satin Stainless Steel Finish, Full Surface Swing Clear Pin And Barrel Hinge (Marker FS/SC309SS-83)	989.27	35.43
08 71 11 00-0426 LF 95", Satin Stainless Steel Finish, Full Surface Swing Clear Pin And Barrel Hinge (Marker FS/SC309SS-95).....	1,129.45	40.31
08 71 11 00-0427 Door Trim (08 71 11)		
08 71 11 00-0428 Floor Stops, Wall Stops And Bumpers (08 71 11 00-0427)		
08 71 11 00-0429 Floor Stops (08 71 11 00-0428)		
08 71 11 00-0430 Aluminum Floor Stops (08 71 11 00-0429)		
08 71 11 00-0431 EA 1-5/16" Overall Height, Satin Aluminum Finish, Aluminum Floor Stop (Ives FS430)	35.87	16.05
08 71 11 00-0432 EA 1" Overall Height, 3/16" Base Height, Satin Aluminum Finish, Aluminum Dome Floor Stop (Ives FS436)	39.62	16.05
08 71 11 00-0433 EA 1-3/8" Overall Height, 9/16" Base Height, Satin Aluminum Finish, Aluminum Dome Floor Stop (Ives FS436)	41.05	16.05
08 71 11 00-0434 EA 2-1/8" Overall Height, Satin Aluminum Finish, Aluminum Floor Stop (Ives FS441)	62.84	16.05
08 71 11 00-0435 EA 3" Overall Height, Satin Aluminum Finish, Aluminum Floor Stop (Ives FS444/448)	65.44	16.05
08 71 11 00-0436 Brass Floor Stops (08 71 11 00-0429)		
08 71 11 00-0437 EA 1" Overall Height, 3/16" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS436)	40.14	16.05
08 71 11 00-0438 EA 1" Overall Height, 3/16" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS436).....	41.58	16.05
08 71 11 00-0439 EA 1" Overall Height, 3/16" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS436).....	41.58	16.05
08 71 11 00-0440 EA 1" Overall Height, 3/16" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS436).....	42.13	16.05
08 71 11 00-0441 EA 1" Overall Height, 3/16" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS436).....	42.87	16.05
08 71 11 00-0442 EA 1" Overall Height, 3/16" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS436)	42.87	16.05
08 71 11 00-0443 EA 1" Overall Height, 3/16" Base Height, Satin Nickel Finish, Brass Dome Floor Stop (Ives FS436).....	42.87	16.05
08 71 11 00-0444 EA 1-3/8" Overall Height, 9/16" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS438).....	41.05	16.05
08 71 11 00-0445 EA 1-3/8" Overall Height, 9/16" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS438)	43.22	16.05
08 71 11 00-0446 EA 1-3/8" Overall Height, 9/16" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS438)	43.22	16.05
08 71 11 00-0447 EA 1-3/8" Overall Height, 9/16" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS438).....	44.07	16.05
08 71 11 00-0448 EA 1-3/8" Overall Height, 9/16" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS438).....	44.80	16.05
08 71 11 00-0449 EA 1-3/8" Overall Height, 9/16" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS438).....	44.80	16.05
08 71 11 00-0450 EA 1-3/8" Overall Height, 9/16" Base Height, Satin Nickel Finish, Brass Dome Floor Stop (Ives FS438).....	48.22	16.05
08 71 11 00-0451 EA 1" Overall Height, 5/32" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS13)	43.36	16.05
08 71 11 00-0452 EA 1" Overall Height, 5/32" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS13).....	43.36	16.05
08 71 11 00-0453 EA 1" Overall Height, 5/32" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS13).....	45.73	16.05
08 71 11 00-0454 EA 1" Overall Height, 5/32" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS13).....	45.73	16.05
08 71 11 00-0455 EA 1" Overall Height, 5/32" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS13).....	45.73	16.05
08 71 11 00-0456 EA 1" Overall Height, 5/32" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS13)	45.73	16.05
08 71 11 00-0457 EA 1-11/32" Overall Height, 1/2" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS17)	45.00	16.05
08 71 11 00-0458 EA 1-11/32" Overall Height, 1/2" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS17)	45.00	16.05
08 71 11 00-0459 EA 1-11/32" Overall Height, 1/2" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS17).....	47.32	16.05
08 71 11 00-0460 EA 1-11/32" Overall Height, 1/2" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS17).....	47.32	16.05
08 71 11 00-0461 EA 1-11/32" Overall Height, 1/2" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS17).....	47.32	16.05
08 71 11 00-0462 EA 1-11/32" Overall Height, 1/2" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS17).....	47.32	16.05
08 71 11 00-0463 EA 2-1/8" Overall Height, Satin Chrome Finish, Brass Floor Stop (Ives FS441)	64.94	16.05
08 71 11 00-0464 EA 2-1/8" Overall Height, Bright Brass Finish, Brass Floor Stop (Ives FS441).....	65.97	16.05
08 71 11 00-0465 EA 2-1/8" Overall Height, Dark Bronze Finish, Brass Floor Stop (Ives FS441)	68.46	16.05
08 71 11 00-0466 EA 2-1/8" Overall Height, Satin Brass Finish, Brass Floor Stop (Ives FS441).....	70.48	16.05
08 71 11 00-0467 EA 2-1/8" Overall Height, Satin Bronze Finish, Brass Floor Stop (Ives FS441).....	70.48	16.05
08 71 11 00-0468 EA 2-1/8" Overall Height, Bright Chrome Finish, Brass Floor Stop (Ives FS441).....	78.71	16.05
08 71 11 00-0469 EA 2-1/8" Overall Height, Satin Nickel Finish, Brass Floor Stop (Ives FS441)	78.71	16.05

08 Openings**08 70 Hardware****08 71 Door Hardware**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 71 11 00-0470	EA	3" Overall Height, Dark Bronze Finish, Brass Floor Stop (Ives FS444/448)	75.66	16.05
08 71 11 00-0471	EA	3" Overall Height, Satin Chrome Finish, Brass Floor Stop (Ives FS444/448)	77.12	16.05
08 71 11 00-0472	EA	3" Overall Height, Satin Brass Finish, Brass Floor Stop (Ives FS444/448)	77.12	16.05
08 71 11 00-0473	EA	3" Overall Height, Bright Brass Finish, Brass Floor Stop (Ives FS444/448)	77.12	16.05
08 71 11 00-0474	EA	3" Overall Height, Satin Bronze Finish, Brass Floor Stop (Ives FS444/448)	77.12	16.05
08 71 11 00-0475	EA	3" Overall Height, Bright Chrome Finish, Brass Floor Stop (Ives FS444/448)	88.40	16.05
08 71 11 00-0476	EA	3" Overall Height, Satin Nickel Finish, Brass Floor Stop (Ives FS444/448)	88.40	16.05
08 71 11 00-0477	EA	1-5/16" Overall Height, Satin Brass Finish, Brass Floor Stop (Ives FS430)	52.67	16.05
08 71 11 00-0478	EA	1-5/16" Overall Height, Bright Brass Finish, Brass Floor Stop (Ives FS430)	54.55	16.05
08 71 11 00-0479	EA	1-5/16" Overall Height, Satin Chrome Finish, Brass Floor Stop (Ives FS430)	58.79	16.05
08 71 11 00-0480	EA	1-5/16" Overall Height, Bright Chrome Finish, Brass Floor Stop (Ives FS430)	58.79	16.05
08 71 11 00-0481	EA	1-5/16" Overall Height, Dark Bronze Finish, Brass Floor Stop (Ives FS430)	58.79	16.05
08 71 11 00-0482	EA	1-5/16" Overall Height, Satin Nickel Finish, Brass Floor Stop (Ives FS430)	60.05	16.05
08 71 11 00-0483	EA	2-1/4" Overall Height, Polished Or Satin Finish, Brass Floor Stop (Rockwood 481H)	80.08	16.05
08 71 11 00-0484	EA	3-11/16" Overall Height, Up To 1/2" Floor Clearance, Satin Chrome Finish, Brass Floor Stop And Automatic Holder (Ives FS40)	118.59	16.05
08 71 11 00-0485	EA	3-11/16" Overall Height, 9/16" To 1-1/16" Floor Clearance, Satin Chrome Finish, Brass Floor Stop And Automatic Holder (Ives FS41)	123.71	16.05
08 71 11 00-0486	EA	3-11/16" Overall Height, 1-1/8" To 1-9/16" Floor Clearance, Satin Chrome Finish, Brass Floor Stop And Automatic Holder (Ives FS42)	147.85	16.05
08 71 11 00-0487	EA	3-11/16" Overall Height, 1-5/8" To 2-11/16" Floor Clearance, Satin Chrome Finish, Brass Floor Stop And Automatic Holder (Ives FS43)	162.69	16.05

08 71 11 00-0488 Steel Floor Stops (08 71 11 00-0429)

08 71 11 00-0489	EA	2-5/8" Overall Height, Zinc Plated Finish, Wrought Steel Floor Stop (Ives FS434)	45.35	16.05
08 71 11 00-0490	EA	1-1/2" Overall Height, Grout In, Molded Rubber Security Floor Stop (Ives FS18S)	115.10	16.05
Note: Includes drilling. Excludes Grout.				
08 71 11 00-0491	EA	3-1/2" Overall Height, Grout In, Molded Rubber Security Floor Stop (Ives FS18L)	121.05	16.05
Note: Includes drilling. Excludes Grout.				

08 71 11 00-0492 Wall Stops (08 71 11 00-0428)**08 71 11 00-0493 Aluminum Wall Stops** (08 71 11 00-0492)

08 71 11 00-0494	EA	3-3/4" Projection, Residential Rigid Type, Satin Aluminum Finish, Aluminum Wall Stop (Ives 60)	18.02	6.42
08 71 11 00-0495	EA	3-3/4" Projection, Rigid Type, Satin Aluminum Finish, Aluminum Wall Stop (Ives WS65)	26.29	9.63

08 71 11 00-0496 Brass Wall Stops (08 71 11 00-0492)

08 71 11 00-0497	EA	3-3/4" Projection, Residential Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives 60)	30.79	6.42
08 71 11 00-0498	EA	3-3/4" Projection, Residential Rigid Type, Satin Brass Finish, Brass Wall Stop (Ives 60)	30.79	6.42
08 71 11 00-0499	EA	3-3/4" Projection, Residential Rigid Type, Bright Brass Finish, Brass Wall Stop (Ives 60)	30.79	6.42
08 71 11 00-0500	EA	3-3/4" Projection, Residential Rigid Type, Satin Nickel Finish, Brass Wall Stop (Ives 60)	36.35	6.42
08 71 11 00-0501	EA	3-3/4" Projection, Residential Rigid Type, Bright Chrome Finish, Brass Wall Stop (Ives 60)	36.88	6.42
08 71 11 00-0502	EA	3-3/4" Projection, Residential Rigid Type, Satin Bronze Finish, Brass Wall Stop (Ives 60)	36.88	6.42
08 71 11 00-0503	EA	3-3/4" Projection, Residential Rigid Type, Dark Bronze Finish, Brass Wall Stop (Ives 60)	36.88	6.42
08 71 11 00-0504	EA	3-3/4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives WS11)	85.61	9.63
08 71 11 00-0505	EA	3-3/4" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop (Ives WS11)	87.57	9.63
08 71 11 00-0506	EA	3-3/4" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop (Ives WS11)	87.57	9.63
08 71 11 00-0507	EA	3-3/4" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop (Ives WS11)	87.57	9.63
08 71 11 00-0508	EA	3-3/4" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop (Ives WS11)	87.57	9.63
08 71 11 00-0509	EA	3-3/4" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop (Ives WS11)	87.57	9.63
08 71 11 00-0510	EA	3-3/4" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop (Ives WS443/447)	71.79	9.63
08 71 11 00-0511	EA	3-3/4" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop (Ives WS443/447)	82.39	9.63
08 71 11 00-0512	EA	3-3/4" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop (Ives WS443/447)	82.39	9.63
08 71 11 00-0513	EA	3-3/4" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop (Ives WS443/447)	82.39	9.63
08 71 11 00-0514	EA	3-3/4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives WS443/447)	82.39	9.63
08 71 11 00-0515	EA	3-3/4" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop (Ives WS443/447)	84.91	9.63
08 71 11 00-0516	EA	3-3/4" Projection, Rigid Type, Satin Nickel Finish, Brass Wall Stop (Ives WS443/447)	84.91	9.63
08 71 11 00-0517	EA	3-3/4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives WS33)	137.26	9.63

08 71 11 00-0518 Steel Wall Stops (08 71 11 00-0492)

08 71 11 00-0519	EA	3" Projection, Residential Spring Type, Bright Brass Finish, Steel Wall Stop (Ives 63)	13.92	6.42
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08 71 11 00-0520 Hinge Pin Door Stops (08 71 11 00-0428)**08 71 11 00-0521 Aluminum Hinge Pin Door Stops** (08 71 11 00-0520)

08 71 11 00-0522	EA	Satin Aluminum Finish, Aluminum Hinge Pin Door Stop (Ives 70)	28.89	12.84
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08 71 11 00-0523 Brass Hinge Pin Door Stops (08 71 11 00-0520)

08 71 11 00-0524	EA	Satin Brass Finish, Brass Residential Hinge Pin Door Stop (Ives 72)	29.51	12.84
08 71 11 00-0525	EA	Satin Brass Finish, Brass Hinge Pin Door Stop (Ives 73)	33.37	12.84
08 71 11 00-0526	EA	Satin Chrome Finish, Brass Hinge Pin Door Stop (Ives 70)	42.68	12.84
08 71 11 00-0527	EA	Satin Brass Finish, Brass Hinge Pin Door Stop (Ives 70)	42.68	12.84
08 71 11 00-0528	EA	Bright Brass Finish, Brass Hinge Pin Door Stop (Ives 70)	42.68	12.84
08 71 11 00-0529	EA	Bright Chrome Finish, Brass Hinge Pin Door Stop (Ives 70)	47.05	12.84
08 71 11 00-0530	EA	Satin Bronze Finish, Brass Hinge Pin Door Stop (Ives 70)	47.05	12.84
08 71 11 00-0531	EA	Dark Bronze Finish, Brass Hinge Pin Door Stop (Ives 70)	47.05	12.84
08 71 11 00-0532	EA	Satin Nickel Finish, Brass Hinge Pin Door Stop (Ives 70)	47.05	12.84

		Openings	08	08
		Hardware	08 70	
		Door Hardware	08 71	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 71 11 00-0533		Wall Bumpers (08 71 11 00-0428)		
08 71 11 00-0534		Brass Wall Bumpers (08 71 11 00-0533)		
08 71 11 00-0535	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Chrome Finish, Wrought Brass Wall Bumper (Ives WS406/407).....	38.18	16.05
08 71 11 00-0536	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Brass Finish, Wrought Brass Wall Bumper (Ives WS406/407).....	38.18	16.05
08 71 11 00-0537	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Brass Finish, Wrought Brass Wall Bumper (Ives WS406/407).....	38.18	16.05
08 71 11 00-0538	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Chrome Finish, Wrought Brass Wall Bumper (Ives WS406/407).....	38.71	16.05
08 71 11 00-0539	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Bronze Finish, Wrought Brass Wall Bumper (Ives WS406/407).....	38.71	16.05
08 71 11 00-0540	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Dark Bronze Finish, Wrought Brass Wall Bumper (Ives WS406/407).....	38.71	16.05
08 71 11 00-0541	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Nickel Finish, Wrought Brass Wall Bumper (Ives WS406/407).....	38.71	16.05
08 71 11 00-0542	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Brass Finish, Cast Brass Wall Bumper (Ives WS401/402).....	56.63	16.05
08 71 11 00-0543	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Chrome Finish, Cast Brass Wall Bumper (Ives WS401/402).....	61.49	16.05
08 71 11 00-0544	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Chrome Finish, Cast Brass Wall Bumper (Ives WS401/402).....	61.49	16.05
08 71 11 00-0545	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Brass Finish, Cast Brass Wall Bumper (Ives WS401/402).....	61.49	16.05
08 71 11 00-0546	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Bronze Finish, Cast Brass Wall Bumper (Ives WS401/402).....	61.49	16.05
08 71 11 00-0547	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Dark Bronze Finish, Cast Brass Wall Bumper (Ives WS401/402).....	61.49	16.05
08 71 11 00-0548	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Nickel Finish, Cast Brass Wall Bumper (Ives WS401/402).....	62.57	16.05
08 71 11 00-0549		Rubber Wall Bumpers (08 71 11 00-0533)		
08 71 11 00-0550	EA	1-7/8" Base Diameter, Adhesive-Backed, Concave Rubber Wall Bumper (Ives WS411R-W).....	36.25	16.05
08 71 11 00-0551		Cast Wall Bumpers (08 71 11 00-0533)		
08 71 11 00-0552	EA	2-1/8" Base Diameter, Concave, Prison Version, Satin Chrome Finish, Cast, Wall Bumper (Trimco 1270CVPV).....	61.34	16.69
		<i>For Owner Furnished Material, Deduct</i>	-29.25	
08 71 11 00-0553	EA	2-1/8" Base Diameter, Concave, Satin Chrome Finish, Cast, Wall Bumper (Trimco 1270CV).....	49.91	16.69
		<i>For Owner Furnished Material, Deduct</i>	-17.82	
08 71 11 00-0554	EA	2-1/8" Base Diameter, Convex, Satin Chrome Finish, Cast Décor, Wall Bumper (Trimco 1278CX).....	54.28	16.69
		<i>For Owner Furnished Material, Deduct</i>	-22.19	
08 71 11 00-0555		Holders (08 71 11 00-0427)		
08 71 11 00-0556		Plunger Type Door Holders (08 71 11 00-0555)		
08 71 11 00-0557		Aluminum Plunger Type Door Holders (08 71 11 00-0556)		
08 71 11 00-0558	EA	Satin Aluminum Finish, Aluminum Plunger Type Door Holder (Ives FS1153).....	90.44	9.63
08 71 11 00-0559		Brass Plunger Type Door Holders (08 71 11 00-0556)		
08 71 11 00-0560	EA	Satin Chrome Finish, Brass Plunger Type Door Holder (Ives FS1154).....	147.66	9.63
08 71 11 00-0561	EA	Bright Chrome Finish, Brass Plunger Type Door Holder (Ives FS1154).....	147.66	9.63
08 71 11 00-0562	EA	Satin Brass Finish, Brass Plunger Type Door Holder (Ives FS1154).....	147.66	9.63
08 71 11 00-0563	EA	Bright Brass Finish, Brass Plunger Type Door Holder (Ives FS1154).....	147.66	9.63
08 71 11 00-0564	EA	Satin Bronze Finish, Brass Plunger Type Door Holder (Ives FS1154).....	147.66	9.63
08 71 11 00-0565	EA	Dark Bronze Finish, Brass Plunger Type Door Holder (Ives FS1154).....	147.66	9.63
08 71 11 00-0566	EA	Satin Nickel Finish, Brass Plunger Type Door Holder (Ives FS1154).....	147.66	9.63
08 71 11 00-0567		Kick Down Door Holders (08 71 11 00-0555)		
08 71 11 00-0568		Aluminum Kick Down Door Holders (08 71 11 00-0567)		
08 71 11 00-0569	EA	Satin Aluminum Finish, Aluminum Kick Down Door Holder (Ives FS455).....	30.88	9.63
08 71 11 00-0570		Brass Kick Down Door Holders (08 71 11 00-0567)		
08 71 11 00-0571	EA	Satin Brass Finish, Brass Kick Down Door Holder (Ives FS455).....	66.46	9.63
08 71 11 00-0572	EA	Bright Brass Finish, Brass Kick Down Door Holder (Ives FS455).....	66.46	9.63
08 71 11 00-0573	EA	Satin Bronze Finish, Brass Kick Down Door Holder (Ives FS455).....	66.46	9.63
08 71 11 00-0574	EA	Satin Chrome Finish, Brass Kick Down Door Holder (Ives FS455).....	75.74	9.63
08 71 11 00-0575	EA	Bright Chrome Finish, Brass Kick Down Door Holder (Ives FS455).....	75.74	9.63
08 71 11 00-0576	EA	Dark Bronze Finish, Brass Kick Down Door Holder (Ives FS455).....	75.74	9.63
08 71 11 00-0577	EA	Satin Nickel Finish, Brass Kick Down Door Holder (Ives FS455).....	78.09	9.63
08 71 11 00-0578		Steel Kick Down Door Holders (08 71 11 00-0567)		
08 71 11 00-0579	EA	Steel Kick Down Door Holder (Ives FS544).....	38.06	9.63
08 71 11 00-0580		Floor Mounted Door Holders (08 71 11 00-0555)		

08 Openings**08 70 Hardware****08 71 Door Hardware**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 71 11 00-0581 Brass Floor Mounted Door Holders (08 71 11 00-0580)			
08 71 11 00-0582	EA	Up To 1/2" Door To Floor Clearance, Satin Chrome Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40).....	130.14
		For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80
08 71 11 00-0583	EA	Up To 1/2" Door To Floor Clearance, Satin Brass Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40).....	130.14
		For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80
08 71 11 00-0584	EA	Up To 1/2" Door To Floor Clearance, Bright Chrome Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40).....	160.97
		For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80
08 71 11 00-0585	EA	Up To 1/2" Door To Floor Clearance, Bright Brass Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40).....	160.97
		For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80
08 71 11 00-0586	EA	Up To 1/2" Door To Floor Clearance, Satin Bronze Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40).....	160.97
		For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80
08 71 11 00-0587	EA	Up To 1/2" Door To Floor Clearance, Dark Bronze Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40).....	160.97
		For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80
08 71 11 00-0588	EA	Up To 1/2" Door To Floor Clearance, Polished Or Satin Brass Finish, Brass Floor Stop And Automatic Door Holder (Rockwood 491).....	124.93
		Note: Includes FH MS / plastic anchors.	
		For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80
08 71 11 00-0589	EA	Up To 1/2" Door To Floor Clearance, Polished Or Satin Brass Finish, Brass Floor Stop And Automatic Door Holder (Rockwood 491R).....	129.41
		Note: Includes FH MS / lead anchors.	
		For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80
08 71 11 00-0590	EA	Up To 1/2" Door To Floor Clearance, Polished Or Satin Brass Finish, Brass Floor Stop And Automatic Door Holder (Rockwood 491S).....	136.85
		Note: Includes FH MS / lead anchors and bolts.	
		For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80
08 71 11 00-0591 Wall Mounted Door Holders (08 71 11 00-0555)			
08 71 11 00-0592 Aluminum Wall Mounted Door Holders (08 71 11 00-0591)			
08 71 11 00-0593	EA	4" Projection, Rigid Type, Satin Aluminum Finish, Aluminum Wall Stop And Manual Door Holder (Ives WS20).....	115.16
08 71 11 00-0594	EA	Wall Mounted, Satin Aluminum Finish, Aluminum Automatic Door Holder (Ives WS40).....	169.08
08 71 11 00-0595	EA	Wall Mounted, Satin Aluminum Finish, Aluminum Automatic Door Holder, Drywall Mounting (Ives WS45).....	202.22
08 71 11 00-0596	EA	Wall Mounted, Satin Aluminum Finish, Aluminum Automatic Door Holder, Masonry Mounting (Ives WS45X).....	226.89
08 71 11 00-0597 Brass Wall Mounted Door Holders (08 71 11 00-0591)			
08 71 11 00-0598	EA	3-11/16" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	105.82
08 71 11 00-0599	EA	3-11/16" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	122.54
08 71 11 00-0600	EA	3-11/16" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	122.54
08 71 11 00-0601	EA	3-11/16" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	122.54
08 71 11 00-0602	EA	3-11/16" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	122.54
08 71 11 00-0603	EA	3-11/16" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	122.54
08 71 11 00-0604	EA	3-11/16" Projection, Rigid Type, Satin Nickel Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	126.47
08 71 11 00-0605	EA	4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS20).....	119.82
08 71 11 00-0606	EA	4" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS20).....	142.63
08 71 11 00-0607	EA	4" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS20).....	142.63
08 71 11 00-0608	EA	4" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS20).....	142.63
08 71 11 00-0609	EA	4" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS20).....	142.63
08 71 11 00-0610	EA	4" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS20).....	142.63
08 71 11 00-0611	EA	Wall Mounted, Satin Chrome Finish, Brass Automatic Door Holder (Ives WS40).....	191.84
08 71 11 00-0612	EA	Wall Mounted, Bright Chrome Finish, Brass Automatic Door Holder (Ives WS40).....	202.08
08 71 11 00-0613	EA	Wall Mounted, Satin Brass Finish, Brass Automatic Door Holder (Ives WS40).....	202.08
08 71 11 00-0614	EA	Wall Mounted, Bright Brass Finish, Brass Automatic Door Holder (Ives WS40).....	202.08
08 71 11 00-0615	EA	Wall Mounted, Satin Bronze Finish, Brass Automatic Door Holder (Ives WS40).....	202.08
08 71 11 00-0616	EA	Wall Mounted, Dark Bronze Finish, Brass Automatic Door Holder (Ives WS40).....	202.08
08 71 11 00-0617	EA	3-1/4" Projection, Rigid Type, Polished Or Satin Finish, Brass Wall Stop And Manual Door Holder (Rockwell 494).....	113.99
08 71 11 00-0618	EA	3-1/4" Projection, Rigid Type, Polished Or Satin Finish, Brass Wall Stop And Manual Door Holder (Rockwell 494R).....	118.47
		Note: Includes FH MS / lead anchors.	

		Openings	08	08
		Hardware	08 70	
		Door Hardware	08 71	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0619	EA	3-1/4" Projection, Rigid Type, Polished Or Satin Finish, Brass Wall Stop And Manual Door Holder (Rockwell 494S).....	125.91	11.24
		Note: Includes FH MS / lead anchors and bolts.		
08 71 11 00-0620	EA	Wall Mounted, Satin Chrome Finish, Brass Automatic Door Holder, Drywall Mounting (Ives WS45)	219.50	19.26
08 71 11 00-0621	EA	Wall Mounted, Satin Chrome Finish, Brass Automatic Door Holder, Masonry Mounting (Ives WS45X).....	271.47	19.26
08 71 11 00-0622 Overhead Door Holders (08 71 11 00-0555)				
08 71 11 00-0623 Surface Mounted, Overhead Door Holders (08 71 11 00-0622)				
08 71 11 00-0624	EA	Surface Mounted, Aluminum Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81)	595.71	32.09
		For Hold Open, Add	67.43	
08 71 11 00-0625	EA	Surface Mounted, Dark Bronze Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81)	681.80	32.09
		For Hold Open, Add	79.85	
08 71 11 00-0626	EA	Surface Mounted, Polished Brass Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81)	681.80	32.09
		For Hold Open, Add	79.85	
08 71 11 00-0627	EA	Surface Mounted, Polished Chrome Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81)	681.80	32.09
		For Hold Open, Add	79.85	
08 71 11 00-0628	EA	Surface Mounted, Stainless Steel Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81)	678.87	32.09
		For Hold Open, Add	79.43	
08 71 11 00-0629 Heavy-Duty, Surface Mounted, Overhead Door Holders (08 71 11 00-0622)				
		Note: With or without hold open feature.		
08 71 11 00-0630	EA	Heavy-Duty, Surface Mounted, Aluminum Finish, Overhead Door Holder/Stop (Glynn Johnson 90)	465.71	32.09
08 71 11 00-0631	EA	Heavy-Duty, Surface Mounted, Stainless Steel Finish, Overhead Door Holder/Stop (Glynn Johnson 90)	671.26	32.09
08 71 11 00-0632	EA	Heavy-Duty, Surface Mounted, Dark Bronze Finish, Overhead Door Holder/Stop (Glynn Johnson 90)	760.86	32.09
08 71 11 00-0633	EA	Heavy-Duty, Surface Mounted, Polished Brass Finish, Overhead Door Holder/Stop (Glynn Johnson 90)	760.86	32.09
08 71 11 00-0634	EA	Heavy-Duty, Surface Mounted, Polished Chrome Finish, Overhead Door Holder/Stop (Glynn Johnson 90)	760.86	32.09
08 71 11 00-0635 Concealed Mounted, Overhead Door Holders (08 71 11 00-0622)				
		Note: With or without hold open feature.		
08 71 11 00-0636	EA	Concealed Mounted, Aluminum Finish, Overhead Door Holder/Stop (Glynn Johnson 100)	649.59	32.09
08 71 11 00-0637	EA	Concealed Mounted, Stainless Steel Finish, Overhead Door Holder/Stop (Glynn Johnson 100)	649.59	32.09
08 71 11 00-0638	EA	Concealed Mounted, Dark Bronze Finish, Overhead Door Holder/Stop (Glynn Johnson 100)	684.73	32.09
08 71 11 00-0639	EA	Concealed Mounted, Polished Brass Finish, Overhead Door Holder/Stop (Glynn Johnson 100)	714.60	32.09
08 71 11 00-0640	EA	Concealed Mounted, Polished Chrome Finish, Overhead Door Holder/Stop (Glynn Johnson 100)	714.60	32.09
08 71 11 00-0641	EA	Concealed Mounted, Satin Stainless Steel, Heavy-Duty Overhead Door Holder, Stop-Only (Ives 100 S)	577.73	40.12
08 71 11 00-0642 Silencers (08 71 11 00-0427)				
08 71 11 00-0643	EA	Replacement Of Rubber Door Silencers.....	1.93	
		Note: For repair / maintenance only. This task is not to be used in conjunction with new door or frame installations.		
08 71 11 00-0644	EA	Replacement Of Door Silencers for Metal Frames (Trimco 1229A).....	1.94	
		For Owner Furnished Material, Deduct	-0.33	
08 71 11 00-0645	EA	Replacement Of Door Silencers for Wood Frames (Trimco 1229B)	1.94	
		For Owner Furnished Material, Deduct	-0.33	
08 71 11 00-0646 Bolts (08 71 11 00-0427)				
08 71 11 00-0647 Brass Surface Bolts (08 71 11 00-0646)				
08 71 11 00-0648	EA	8" Length, Satin Chrome Finish, Brass Surface Bolt With Strike (Ives SB1640).....	194.42	16.05
08 71 11 00-0649	EA	8" Length, Bright Brass Finish, Brass Surface Bolt With Strike (Ives SB1640)	207.95	16.05
08 71 11 00-0650	EA	8" Length, Dark Bronze Finish, Brass Surface Bolt With Strike (Ives SB1640).....	207.95	16.05
08 71 11 00-0651 Steel Surface Bolts (08 71 11 00-0646)				
08 71 11 00-0652	EA	8" Length, Zinc Plated Finish, Steel Surface Bolt With Strike (Ives SB453).....	89.60	16.05
08 71 11 00-0653	EA	8" Length, Bright Brass Finish, Steel Surface Bolt With Strike (Ives SB453)	89.60	16.05
08 71 11 00-0654	EA	8" Length, Satin Brass Finish, Steel Surface Bolt With Strike (Ives SB453)	89.60	16.05
08 71 11 00-0655	EA	8" Length, Satin Bronze Finish, Steel Surface Bolt With Strike (Ives SB453).....	101.43	16.05
08 71 11 00-0656	EA	8" Length, Satin Chrome Finish, Steel Surface Bolt With Strike (Ives SB453).....	103.13	16.05
08 71 11 00-0657	EA	8" Length, Dark Bronze Finish, Steel Surface Bolt With Strike (Ives SB453).....	106.49	16.05
08 71 11 00-0658	EA	12" Length, Zinc Plated Finish, Steel Surface Bolt With Strike (Ives SB453).....	104.79	16.05
08 71 11 00-0659	EA	12" Length, Satin Bronze Finish, Steel Surface Bolt With Strike (Ives SB453)	109.89	16.05
08 71 11 00-0660	EA	12" Length, Dark Bronze Finish, Steel Surface Bolt With Strike (Ives SB453).....	116.65	16.05
08 71 11 00-0661	EA	12" Length, Satin Chrome Finish, Steel Surface Bolt With Strike (Ives SB453).....	121.72	16.05
08 71 11 00-0662	EA	12" Length, Zinc Plated Finish, Steel Surface Bolt With Strike (Ives SB360).....	189.36	16.05
08 71 11 00-0663 Door Viewer (08 71 11 00-0427)				
08 71 11 00-0664 Brass Door Viewer (08 71 11 00-0663)				
08 71 11 00-0665	EA	120 Degree Angle Of View, Satin Chrome Finish, Brass One-Way Door Viewer (Ives U700).....	48.22	16.05
08 71 11 00-0666	EA	120 Degree Angle Of View, Satin Brass Finish, Brass One-Way Door Viewer (Ives U700)	48.22	16.05
08 71 11 00-0667	EA	120 Degree Angle Of View, Dark Bronze Finish, Brass One-Way Door Viewer (Ives U700).....	48.22	16.05
08 71 11 00-0668	EA	150 Degree Angle Of View, Satin Chrome Finish, Brass One-Way Door Viewer (Ives U696).....	55.78	16.05
08 71 11 00-0669	EA	150 Degree Angle Of View, Dark Bronze Finish, Brass One-Way Door Viewer (Ives U696).....	55.78	16.05
08 71 11 00-0670	EA	150 Degree Angle Of View, Satin Brass Finish, Brass One-Way Door Viewer (Ives U696)	55.78	16.05
08 71 11 00-0671	EA	190 Degree Angle Of View, Satin Chrome Finish, Brass One-Way Wide Angle Door Viewer (Ives U698)	65.09	16.05
08 71 11 00-0672	EA	190 Degree Angle Of View, Bright Brass Finish, Brass One-Way Wide Angle Door Viewer (Ives U698).....	65.09	16.05

08	08	Openings
	08 70	Hardware
	08 71	Door Hardware



MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
08 71 11 00-0673	Door Knockers (08 71 11 00-0427)				
08 71 11 00-0674	Brass Door Knockers (08 71 11 00-0673)				
08 71 11 00-0675	EA	5-15/16" Length, 3" Width, Bright Brass Finish, Brass Door Knocker (Ives 3125)	71.53	16.05	
08 71 11 00-0676	EA	5-15/16" Length, 3" Width, Satin Chrome Finish, Brass Door Knocker (Ives 3125)	78.71	16.05	
08 71 11 00-0677	EA	5-15/16" Length, 3" Width, Bright Chrome Finish, Brass Door Knocker (Ives 3125)	78.71	16.05	
08 71 11 00-0678	EA	5-15/16" Length, 3" Width, Satin Nickel Finish, Brass Door Knocker (Ives 3125)	78.71	16.05	
08 71 11 00-0679	EA	8-1/2" Length, 4-1/8" Width, Bright Brass Finish, Brass Door Knocker (Ives 3107)	105.94	16.05	
08 71 11 00-0680	EA	8-1/2" Length, 4-1/8" Width, Satin Nickel Finish, Brass Door Knocker (Ives 3107)	123.24	16.05	
08 71 11 00-0681	Hasps (08 71 11 00-0427)				
08 71 11 00-0682	EA	3-1/4", Zinc Plated Finish, Steel Hasp Assembly	34.01	12.11	
08 71 11 00-0683	EA	4-1/2", Zinc Plated Finish, Steel Hasp Assembly	36.24	12.84	
08 71 11 00-0684	EA	6", Zinc Plated Finish, Steel Hasp Assembly	46.04	14.45	
08 71 11 00-0685	EA	6", Zinc Plated Finish, Steel High Security Hasp Assembly	183.42	17.33	
08 71 11 00-0686	Flush Bolts (08 71 11 00-0427)				
08 71 11 00-0687	Flush Bolts For Metal Doors (08 71 11 00-0686)				
08 71 11 00-0688	Brass Flush Bolts For Metal Doors (08 71 11 00-0687)				
08 71 11 00-0689	Manual, Brass Flush Bolts For Metal Doors (08 71 11 00-0688)				
		Note: Includes brass construction with bright brass, satin brass, satin bronze, dark bronze, satin nickel, bright chrome or satin chrome finish.			
08 71 11 00-0690	EA	Top Or Bottom Bolt, Manual, Brass Flush Bolt For Metal Doors (Ives FB457/458)	69.31	16.05	
08 71 11 00-0691	Automatic, Brass Flush Bolts For Metal Doors (08 71 11 00-0688)				
		Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.			
08 71 11 00-0692	EA	Top Bolt Only, Automatic, Brass Flush Bolt For Metal Doors (Ives FB31T)	140.03	16.05	
08 71 11 00-0693	EA	Bottom Bolt Only, Automatic, Brass Flush Bolt For Metal Doors (Ives FB31B)	140.03	16.05	
08 71 11 00-0694	EA	Top And Bottom Bolt, Automatic, Brass Flush Bolt For Metal Doors (Ives FB31P)	243.12	25.67	
08 71 11 00-0695	EA	Top Bolt With Auxiliary Fire Latch, Automatic, Brass Flush Bolt For Metal Doors (Ives FB32)	249.49	22.46	
08 71 11 00-0696	EA	Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Automatic, Brass Flush Bolt For Metal Doors (Ives FB33)	259.47	24.07	
08 71 11 00-0697	Constant Latching, Brass Flush Bolts For Metal Doors (08 71 11 00-0688)				
		Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.			
08 71 11 00-0698	EA	Top Bolt Only, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB51T)	165.52	16.05	
08 71 11 00-0699	EA	Top And Bottom Bolt, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB51P)	307.04	25.67	
08 71 11 00-0700	EA	Top Bolt With Auxiliary Fire Latch, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB52)	300.62	22.46	
08 71 11 00-0701	EA	Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB53)	312.29	24.07	
08 71 11 00-0702	Stainless Steel Flush Bolts For Metal Doors (08 71 11 00-0687)				
08 71 11 00-0703	Automatic, Stainless Steel Flush Bolts For Metal Doors (08 71 11 00-0702)				
		Note: Includes stainless steel construction with bright or satin finish.			
08 71 11 00-0704	EA	Top Bolt Only, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB31T)	140.03	16.05	
08 71 11 00-0705	EA	Bottom Bolt Only, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB31B)	140.03	16.05	
08 71 11 00-0706	EA	Top And Bottom Bolt, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB31P)	243.12	25.67	
08 71 11 00-0707	EA	Top Bolt With Auxiliary Fire Latch, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB32)	249.49	22.46	
08 71 11 00-0708	EA	Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB33)	259.47	24.07	
08 71 11 00-0709	Constant Latching, Stainless Steel Flush Bolts For Metal Doors (08 71 11 00-0702)				
		Note: Includes stainless steel construction with bright or satin finish.			
08 71 11 00-0710	EA	Top Bolt Only, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB51T)	165.52	16.05	
08 71 11 00-0711	EA	Top And Bottom Bolt, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB51P)	307.04	25.67	
08 71 11 00-0712	EA	Top Bolt With Auxiliary Fire Latch, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB52)	300.62	22.46	
08 71 11 00-0713	EA	Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB53)	312.29	24.07	
08 71 11 00-0714	Flush Bolts For Wood Doors (08 71 11 00-0686)				
08 71 11 00-0715	Brass Flush Bolts For Wood Doors (08 71 11 00-0714)				
08 71 11 00-0716	Manual, Brass Flush Bolts For Wood Doors (08 71 11 00-0715)				
		Note: Includes brass construction with bright brass, satin brass, satin bronze, dark bronze, satin nickel, bright chrome or satin chrome finish.			
08 71 11 00-0717	EA	Top Or Bottom Bolt, Manual, Brass Flush Bolt For Wood Doors (Ives FB358)	81.96	16.05	
08 71 11 00-0718	Automatic, Brass Flush Bolts For Wood Doors (08 71 11 00-0715)				
		Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.			
08 71 11 00-0719	EA	Top Bolt Only, Automatic, Brass Flush Bolt For Wood Doors (Ives FB41T)	173.61	16.05	
08 71 11 00-0720	EA	Bottom Bolt Only, Automatic, Brass Flush Bolt For Metal Doors (Ives FB41B)	173.61	16.05	
08 71 11 00-0721	EA	Top And Bottom Bolt, Automatic, Brass Flush Bolt For Wood Doors (Ives FB41P)	321.24	25.67	
08 71 11 00-0722	EA	Top Bolt With Auxiliary Fire Latch, Automatic, Brass Flush Bolt For Wood Doors (Ives FB42)	314.82	22.46	

08 71 11 00-0723		Constant Latching, Brass Flush Bolts For Wood Doors (08 71 11 00-0715)		
Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.				
08 71 11 00-0724	EA	Top Bolt Only, Constant Latching, Brass Flush Bolt For Wood Doors (Ives FB61T)	172.29	16.05
08 71 11 00-0725	EA	Top And Bottom Bolt, Constant Latching, Brass Flush Bolt For Wood Doors (Ives FB61P).....	321.24	25.67
08 71 11 00-0726	EA	Top Bolt With Auxiliary Fire Latch, Constant Latching, Brass Flush Bolt For Wood Doors (Ives FB62)	314.82	22.46
08 71 11 00-0727		Stainless Steel Flush Bolts For Wood Doors (08 71 11 00-0714)		
08 71 11 00-0728		Automatic, Stainless Steel Flush Bolts For Wood Doors (08 71 11 00-0727)		
Note: Includes stainless steel construction with bright or satin finish.				
08 71 11 00-0729	EA	Top Bolt Only, Automatic, Stainless Steel Flush Bolt For Wood Doors (Ives FB41T).....	173.61	16.05
08 71 11 00-0730	EA	Bottom Bolt Only, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB41B).....	173.61	16.05
08 71 11 00-0731	EA	Top And Bottom Bolt, Automatic, Stainless Steel Flush Bolt For Wood Doors (Ives FB41P)	321.24	25.67
08 71 11 00-0732	EA	Top Bolt With Auxiliary Fire Latch, Automatic, Stainless Steel Flush Bolt For Wood Doors (Ives FB42).....	314.82	22.46
08 71 11 00-0733		Constant Latching, Stainless Steel Flush Bolts For Wood Doors (08 71 11 00-0727)		
Note: Includes stainless steel construction with bright or satin finish.				
08 71 11 00-0734	EA	Top Bolt Only, Constant Latching, Stainless Steel Flush Bolt For Wood Doors (Ives FB61T).....	172.29	16.05
08 71 11 00-0735	EA	Top And Bottom Bolt, Constant Latching, Stainless Steel Flush Bolt For Wood Doors (Ives FB61P)	321.24	25.67
08 71 11 00-0736	EA	Top Bolt With Auxiliary Fire Latch, Constant Latching, Stainless Steel Flush Bolt For Wood Doors (Ives FB62).....	314.82	22.46
08 71 11 00-0737		Dust Proof Strikes (08 71 11 00-0686)		
08 71 11 00-0738	EA	Satin Brass Finish, Brass Dust Proof Strike (Ives DP1).....	61.86	12.84
08 71 11 00-0739	EA	Satin Chrome Finish, Brass Dust Proof Strike (Ives DP1).....	61.86	12.84
08 71 11 00-0740	EA	Bright Brass Finish, Brass Dust Proof Strike (Ives DP1).....	61.86	12.84
08 71 11 00-0741	EA	Satin Bronze Finish, Brass Dust Proof Strike (Ives DP1).....	61.86	12.84
08 71 11 00-0742	EA	Dark Bronze Finish, Brass Dust Proof Strike (Ives DP1)	61.86	12.84
08 71 11 00-0743	EA	Satin Bronze Finish, Brass Dust Proof Strike With Plate (Ives DP2).....	71.32	12.84
08 71 11 00-0744	EA	Satin Chrome Finish, Brass Dust Proof Strike With Plate (Ives DP2).....	71.32	12.84
08 71 11 00-0745	EA	Satin Brass Finish, Brass Dust Proof Strike With Plate (Ives DP2).....	71.32	12.84
08 71 11 00-0746	EA	Bright Brass Finish, Brass Dust Proof Strike With Plate (Ives DP2)	71.32	12.84
08 71 11 00-0747	EA	Dark Bronze Finish, Brass Dust Proof Strike With Plate (Ives DP2).....	71.32	12.84
08 71 11 00-0748		Roller Bumpers (08 71 11 00-0427)		
08 71 11 00-0749		Brass Roller Bumpers (08 71 11 00-0748)		
08 71 11 00-0750	EA	5" Length, Bright Brass Finish, Brass Offset Arm Roller Bumper (Ives RB470).....	64.65	9.63
08 71 11 00-0751	EA	5" Length, Satin Chrome Finish, Brass Offset Arm Roller Bumper (Ives RB470).....	75.95	9.63
08 71 11 00-0752	EA	5" Length, Bright Chrome Finish, Brass Offset Arm Roller Bumper (Ives RB470).....	75.95	9.63
08 71 11 00-0753	EA	4-1/2" Length, Bright Brass Finish, Brass Straight Arm Roller Bumper (Ives RB471).....	62.10	9.63
08 71 11 00-0754	EA	4-1/2" Length, Satin Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB471)	70.71	9.63
08 71 11 00-0755	EA	4-1/2" Length, Bright Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB471).....	70.71	9.63
08 71 11 00-0756	EA	4-1/2" Length, Satin Brass Finish, Brass Straight Arm Roller Bumper (Ives RB471).....	70.71	9.63
08 71 11 00-0757	EA	6" Length, Bright Brass Finish, Brass Straight Arm Roller Bumper (Ives RB472).....	64.82	9.63
08 71 11 00-0758	EA	6" Length, Satin Nickel Finish, Brass Straight Arm Roller Bumper (Ives RB472).....	70.91	9.63
08 71 11 00-0759	EA	6" Length, Satin Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB472)	73.78	9.63
08 71 11 00-0760	EA	6" Length, Bright Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB472).....	73.78	9.63
08 71 11 00-0761	EA	6" Length, Satin Brass Finish, Brass Straight Arm Roller Bumper (Ives RB472).....	73.78	9.63
08 71 11 00-0762	EA	6" Length, Satin Bronze Finish, Brass Straight Arm Roller Bumper (Ives RB472).....	73.78	9.63
08 71 11 00-0763	EA	6" Length, Dark Bronze Finish, Brass Straight Arm Roller Bumper (Ives RB472)	73.78	9.63
08 71 11 00-0764		Other Door Trim (08 71 11 00-0427)		
08 71 11 00-0765		Coat And Hat Hooks (08 71 11 00-0764)		
08 71 11 00-0766		Aluminum Coat And Hat Hooks (08 71 11 00-0765)		
08 71 11 00-0767	EA	1-1/4" Height, 1-1/4" Width, Bright Brass Finish, Aluminum Wardrobe Hook (Ives 581).....	22.38	9.63
08 71 11 00-0768	EA	1-1/4" Height, 1-1/4" Width, Aluminum Finish, Aluminum Wardrobe Hook (Ives 581).....	22.38	9.63
08 71 11 00-0769	EA	1-1/4" Height, 1-1/4" Width, Satin Nickel Finish, Aluminum Wardrobe Hook (Ives 581).....	22.59	9.63
08 71 11 00-0770	EA	1-3/4" Height, 1-1/4" Width, Satin Bronze Finish, Aluminum Coat And Hat Hook (Ives 571).....	22.24	9.63
08 71 11 00-0771	EA	1-3/4" Height, 1-1/4" Width, Bright Brass Finish, Aluminum Coat And Hat Hook (Ives 571)	22.24	9.63
08 71 11 00-0772	EA	1-3/4" Height, 1-1/4" Width, Aluminum Finish, Aluminum Coat And Hat Hook (Ives 571).....	22.24	9.63
08 71 11 00-0773	EA	1-3/4" Height, 1-1/4" Width, Satin Nickel Finish, Aluminum Coat And Hat Hook (Ives 571)	22.59	9.63
08 71 11 00-0774	EA	1-1/2" Height, 2-1/2" Width, Satin Brass Finish, Aluminum Coat And Hat Hook (Ives 405).....	23.64	9.63
08 71 11 00-0775	EA	1-1/2" Height, 2-1/2" Width, Bright Brass Finish, Aluminum Coat And Hat Hook (Ives 405).....	23.64	9.63
08 71 11 00-0776	EA	1-1/2" Height, 2-1/2" Width, Satin Bronze Finish, Aluminum Coat And Hat Hook (Ives 405).....	23.64	9.63
08 71 11 00-0777	EA	1-1/2" Height, 2-1/2" Width, Dark Bronze Finish, Aluminum Coat And Hat Hook (Ives 405).....	23.64	9.63
08 71 11 00-0778	EA	1-1/2" Height, 2-1/2" Width, Aluminum Finish, Aluminum Coat And Hat Hook (Ives 405)	23.64	9.63
08 71 11 00-0779		Brass Coat And Hat Hooks (08 71 11 00-0765)		
08 71 11 00-0780	EA	1-1/4" Height, 1-1/4" Width, Bright Brass Finish, Brass Wardrobe Hook (Ives 581)	28.12	9.63
08 71 11 00-0781	EA	1-1/4" Height, 1-1/4" Width, Satin Brass Finish, Brass Wardrobe Hook (Ives 581).....	28.68	9.63
08 71 11 00-0782	EA	1-1/4" Height, 1-1/4" Width, Dark Bronze Finish, Brass Wardrobe Hook (Ives 581).....	29.56	9.63
08 71 11 00-0783	EA	1-1/4" Height, 1-1/4" Width, Satin Chrome Finish, Brass Wardrobe Hook (Ives 581).....	29.56	9.63
08 71 11 00-0784	EA	1-1/4" Height, 1-1/4" Width, Satin Nickel Finish, Brass Wardrobe Hook (Ives 581).....	30.11	9.63
08 71 11 00-0785	EA	1-3/4" Height, 1-1/4" Width, Bright Brass Finish, Brass Coat And Hat Hook (Ives 571).....	31.90	9.63
08 71 11 00-0786	EA	1-3/4" Height, 1-1/4" Width, Satin Brass Finish, Brass Coat And Hat Hook (Ives 571).....	34.42	9.63
08 71 11 00-0787	EA	1-3/4" Height, 1-1/4" Width, Dark Bronze Finish, Brass Coat And Hat Hook (Ives 571).....	34.42	9.63
08 71 11 00-0788	EA	1-3/4" Height, 1-1/4" Width, Satin Chrome Finish, Brass Coat And Hat Hook (Ives 571)	34.42	9.63

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR			TOTAL DIRECT		DEMOLITION	
CSI UOM DESCRIPTION			UNIT COST		UNIT COST	
08 71 11 00-0789	EA	1-3/4" Height, 1-1/4" Width, Satin Nickel Finish, Brass Coat And Hat Hook (Ives 571)	34.97		9.63	
08 71 11 00-0790		Cane Bolt (08 71 11 00-0764)				
08 71 11 00-0791	EA	18" Cane Bolt With Padlock Eyes Welded To Bolt, Manual, Steel Bolt For Doors (Stanley 1009)	37.70		12.84	
08 71 11 00-0792		Ball Catches (08 71 11 00-0764)				
08 71 11 00-0793	EA	Satin Brass Finish, Brass Adjustable Ball Catch (Ives 347)	42.04		12.84	
		For Owner Furnished Material, Deduct	-16.37			
08 71 11 00-0794	EA	Bright Brass Finish, Brass Adjustable Ball Catch (Ives 347)	42.04		12.84	
		For Owner Furnished Material, Deduct	-16.37			
08 71 11 00-0795	EA	Satin Nickel Finish, Brass Adjustable Ball Catch (Ives 347)	43.74		12.84	
		For Owner Furnished Material, Deduct	-18.07			
08 71 11 00-0796	EA	Satin Chrome Finish, Brass Adjustable Ball Catch (Ives 347)	44.61		12.84	
		For Owner Furnished Material, Deduct	-18.94			
08 71 11 00-0797	EA	Satin Bronze Finish, Brass Adjustable Ball Catch (Ives 347)	44.61		12.84	
		For Owner Furnished Material, Deduct	-18.94			
08 71 11 00-0798	EA	Dark Bronze Finish, Brass Adjustable Ball Catch (Ives 347)	44.61		12.84	
		For Owner Furnished Material, Deduct	-18.94			
08 71 11 00-0799		Other Door Trim (08 71 11 00-0764)				
08 71 11 00-0800	EA	Adapter Kit For Installation Of Cipher Locks On Metal Doors	73.32		16.05	
		For Owner Furnished Material, Deduct	-41.23			
08 71 11 00-0801	EA	Push Or Pull Exit Paddle For Storefront Aluminum Door	172.65		32.09	
		Note: Aluminum with dark bronze or satin aluminum finish.				
		For Owner Furnished Material, Deduct	-108.46			
08 71 11 00-0802	EA	Public Toilet Lock	78.62		21.44	
		For Owner Furnished Material, Deduct	-46.53			
08 71 11 00-0803	EA	Slide Latch Handle Mechanism For Toilet Stall Partition Doors	73.99		12.84	
		For Owner Furnished Material, Deduct	-48.32			
08 71 11 00-0804	EA	Brass Entry Lockset Door Repair Cover, US3	106.63		16.05	
		For Owner Furnished Material, Deduct	-42.44			
08 71 11 00-0805	EA	Stainless Steel Entry Lockset Door Repair Cover, US32D	116.75		16.05	
		For Owner Furnished Material, Deduct	-52.56			
08 71 11 00-0806	EA	Brass Entry Deadlock Door Repair Cover, US3	91.02		16.05	
		For Owner Furnished Material, Deduct	-26.83			
08 71 11 00-0807	EA	Latch Protector	40.17		12.84	
		For Owner Furnished Material, Deduct	-14.50			
08 71 11 00-0808		Lock Protector (08 71 11 00-0427)				
08 71 11 00-0809	EA	9-1/2" High x 1-1/2" Wide, Satin Stainless Steel, Lock Guard (Ives LG12)	78.17			
08 71 11 00-0810		Door Plates And Pulls (08 71 11)				
08 71 11 00-0811		Kick Plate (08 71 11 00-0810)				
		Note: Ives 8400.				
08 71 11 00-0812		Aluminum Base Material Kick Plate (08 71 11 00-0811)				
08 71 11 00-0813		Satin Aluminum Finish, Aluminum Kick Plate (08 71 11 00-0812)				
08 71 11 00-0814	EA	8" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	66.50		9.63	
		For Four Beveled Edges, Add	1.76			
		For UL Label (Fire Rated), Add	11.40			
08 71 11 00-0815	EA	8" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	69.08		9.63	
		For Four Beveled Edges, Add	1.76			
		For UL Label (Fire Rated), Add	11.40			
08 71 11 00-0816	EA	8" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	71.60		9.63	
		For Four Beveled Edges, Add	1.76			
		For UL Label (Fire Rated), Add	11.40			
08 71 11 00-0817	EA	8" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	74.15		9.63	
		For Four Beveled Edges, Add	1.76			
		For UL Label (Fire Rated), Add	11.40			
08 71 11 00-0818	EA	8" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	79.30		10.27	
		For Four Beveled Edges, Add	1.76			
		For UL Label (Fire Rated), Add	11.40			
08 71 11 00-0819	EA	8" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	81.79		10.27	
		For Four Beveled Edges, Add	1.76			
		For UL Label (Fire Rated), Add	11.40			
08 71 11 00-0820	EA	8" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	84.34		10.27	
		For Four Beveled Edges, Add	1.76			
		For UL Label (Fire Rated), Add	11.40			
08 71 11 00-0821	EA	8" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	86.89		10.27	
		For Four Beveled Edges, Add	1.76			
		For UL Label (Fire Rated), Add	11.40			
08 71 11 00-0822	EA	8" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	92.00		10.92	
		For Four Beveled Edges, Add	1.76			
		For UL Label (Fire Rated), Add	11.40			
08 71 11 00-0823	EA	8" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	94.55		10.92	
		For Four Beveled Edges, Add	1.76			
		For UL Label (Fire Rated), Add	11.40			
08 71 11 00-0824	EA	8" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	97.07		10.92	
		For Four Beveled Edges, Add	1.76			
		For UL Label (Fire Rated), Add	11.40			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0825	EA	8" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	102.22	11.56	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0826	EA	8" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	104.77	11.56	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0827	EA	8" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	107.29	11.56	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0828	EA	10" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	73.54	9.63	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0829	EA	10" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	76.73	9.63	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0830	EA	10" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	79.87	9.63	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0831	EA	10" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	83.06	9.63	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0832	EA	10" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	88.82	10.27	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0833	EA	10" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	91.99	10.27	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0834	EA	10" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	95.18	10.27	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0835	EA	10" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	98.35	10.27	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0836	EA	10" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	104.10	10.92	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0837	EA	10" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	107.27	10.92	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0838	EA	10" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	110.46	10.92	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0839	EA	10" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	116.22	11.56	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0840	EA	10" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	119.36	11.56	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0841	EA	10" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	122.55	11.56	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0842	EA	12" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	80.54	9.63	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0843	EA	12" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	84.32	9.63	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0844	EA	12" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	88.19	9.63	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0845	EA	12" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	91.94	9.63	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0846	EA	12" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	98.35	10.27	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0847	EA	12" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	102.16	10.27	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0848	EA	12" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	105.97	10.27	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0849	EA	12" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	109.81	10.27	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0850	EA	12" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	116.17	10.92	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0851	EA	12" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	119.98	10.92	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0852	EA	12" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	123.82	10.92	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0853	EA	12" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	130.20	11.56	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0854	EA	12" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	134.01	11.56	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

08 71 11 00-0855	EA	12" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	137.85	11.56
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0856	EA	14" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	90.06	10.27
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0857	EA	14" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	94.51	10.27
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0858	EA	14" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	99.02	10.27
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0859	EA	14" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	103.48	10.27
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0860	EA	14" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	110.46	10.92
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0861	EA	14" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	114.91	10.92
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0862	EA	14" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	119.37	10.92
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0863	EA	14" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	123.82	10.92
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0864	EA	14" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	130.85	11.56
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0865	EA	14" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	135.27	11.56
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0866	EA	14" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	139.73	11.56
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0867	EA	14" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	146.75	12.19
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0868	EA	14" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	151.23	12.19
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0869	EA	14" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	155.69	12.19
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0870	EA	16" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	97.09	10.27
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0871	EA	16" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	102.16	10.27
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0872	EA	16" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	107.29	10.27
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0873	EA	16" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	112.35	10.27
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0874	EA	16" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	114.91	10.92
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0875	EA	16" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	125.11	10.92
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0876	EA	16" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	130.21	10.92
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0877	EA	16" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	135.28	10.92
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0878	EA	16" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	142.92	11.56
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0879	EA	16" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	148.05	11.56
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0880	EA	16" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	153.12	11.56
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0881	EA	16" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	160.76	12.19
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0882	EA	16" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	165.86	12.19
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0883	EA	16" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	170.98	12.19
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0884	EA	18" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	108.11	10.27
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0885	EA	18" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	114.20	10.27	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0886	EA	18" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	120.30	10.27	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0887	EA	18" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	126.39	10.27	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0888	EA	18" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	135.02	10.92	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0889	EA	18" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	141.11	10.92	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0890	EA	18" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	147.21	10.92	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0891	EA	18" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	153.30	10.92	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0892	EA	18" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	161.97	11.56	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0893	EA	18" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	168.06	11.56	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0894	EA	18" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	174.16	11.56	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0895	EA	18" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	182.82	12.19	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0896	EA	18" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	188.92	12.19	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0897	EA	18" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	195.01	12.19	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0898	EA	20" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	118.11	10.92	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0899	EA	20" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	124.88	10.92	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0900	EA	20" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	131.65	10.92	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0901	EA	20" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	138.42	10.92	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0902	EA	20" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	147.75	11.56	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0903	EA	20" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	154.52	11.56	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0904	EA	20" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	161.29	11.56	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0905	EA	20" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	168.06	11.56	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0906	EA	20" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	177.40	12.19	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0907	EA	20" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	184.17	12.19	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0908	EA	20" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	190.94	12.19	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0909	EA	20" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	200.28	12.84	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0910	EA	20" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	207.05	12.84	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0911	EA	20" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	213.82	12.84	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0912	EA	22" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	125.55	10.92	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0913	EA	22" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	132.99	10.92	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0914	EA	22" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	140.44	10.92	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

08 71 11 00-0915	EA 22" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	147.88 6.30 11.40	10.92
08 71 11 00-0916	EA 22" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	157.92 6.30 11.40	11.56
08 71 11 00-0917	EA 22" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	165.37 6.30 11.40	11.56
08 71 11 00-0918	EA 22" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	172.81 6.30 11.40	11.56
08 71 11 00-0919	EA 22" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	180.25 6.30 11.40	11.56
08 71 11 00-0920	EA 22" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	190.26 6.30 11.40	12.19
08 71 11 00-0921	EA 22" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	197.71 6.30 11.40	12.19
08 71 11 00-0922	EA 22" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	205.15 6.30 11.40	12.19
08 71 11 00-0923	EA 22" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	215.16 6.30 11.40	12.84
08 71 11 00-0924	EA 22" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	222.61 6.30 11.40	12.84
08 71 11 00-0925	EA 22" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	230.05 6.30 11.40	12.84
08 71 11 00-0926	EA 24" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	132.99 6.30 11.40	10.92
08 71 11 00-0927	EA 24" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	141.11 6.30 11.40	10.92
08 71 11 00-0928	EA 24" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	149.26 6.30 11.40	10.92
08 71 11 00-0929	EA 24" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	157.37 6.30 11.40	10.92
08 71 11 00-0930	EA 24" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	168.06 6.30 11.40	11.56
08 71 11 00-0931	EA 24" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	176.18 6.30 11.40	11.56
08 71 11 00-0932	EA 24" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	184.30 6.30 11.40	11.56
08 71 11 00-0933	EA 24" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	192.44 6.30 11.40	11.56
08 71 11 00-0934	EA 24" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	203.13 6.30 11.40	12.19
08 71 11 00-0935	EA 24" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	211.25 6.30 11.40	12.19
08 71 11 00-0936	EA 24" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	219.36 6.30 11.40	12.19
08 71 11 00-0937	EA 24" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	230.05 6.30 11.40	12.84
08 71 11 00-0938	EA 24" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	238.20 6.30 11.40	12.84
08 71 11 00-0939	EA 24" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	246.31 6.30 11.40	12.84

08 71 11 00-0940 Brass Base Material Kick Plate (08 71 11 00-0811)

08 71 11 00-0941 Bright/Satin Brass Finish, Brass Kick Plate (08 71 11 00-0940)

08 71 11 00-0942	EA 8" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	131.55 1.76 11.40	9.63
08 71 11 00-0943	EA 8" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	139.99 1.76 11.40	9.63
08 71 11 00-0944	EA 8" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	148.47 1.76 11.40	9.63

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0945	EA	8" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	156.92	9.63	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0946	EA	8" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	167.93	10.27	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0947	EA	8" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	176.44	10.27	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0948	EA	8" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	184.89	10.27	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0949	EA	8" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	193.33	10.27	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0950	EA	8" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	204.34	10.92	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0951	EA	8" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	212.78	10.92	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0952	EA	8" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	221.23	10.92	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0953	EA	8" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	232.25	11.56	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0954	EA	8" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	240.75	11.56	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0955	EA	8" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	249.20	11.56	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0956	EA	10" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	154.83	9.63	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0957	EA	10" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	165.36	9.63	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0958	EA	10" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	175.96	9.63	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0959	EA	10" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	186.52	9.63	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0960	EA	10" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	199.63	10.27	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0961	EA	10" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	210.22	10.27	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0962	EA	10" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	220.82	10.27	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0963	EA	10" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	231.38	10.27	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0964	EA	10" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	244.48	10.92	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0965	EA	10" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	255.08	10.92	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0966	EA	10" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	265.67	10.92	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0967	EA	10" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	278.78	11.56	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0968	EA	10" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	289.37	11.56	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0969	EA	10" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	299.94	11.56	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0970	EA	12" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	178.02	9.63	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0971	EA	12" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	190.76	9.63	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0972	EA	12" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	203.42	9.63	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0973	EA	12" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	216.10	9.63	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0974	EA	12" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	231.38	10.27	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		

08 Openings**08 70 Hardware****08 71 Door Hardware**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 71 11 00-0975	EA	12" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	244.07	10.27
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0976	EA	12" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	256.75	10.27
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0977	EA	12" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	269.41	10.27
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0978	EA	12" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	284.71	10.92
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0979	EA	12" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	297.37	10.92
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0980	EA	12" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	310.05	10.92
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0981	EA	12" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	325.30	11.56
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0982	EA	12" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	337.96	11.56
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0983	EA	12" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	350.70	11.56
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0984	EA	14" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	203.90	10.27
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0985	EA	14" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	218.67	10.27
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0986	EA	14" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	233.47	10.27
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0987	EA	14" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	248.31	10.27
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0988	EA	14" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	265.67	10.92
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0989	EA	14" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	280.47	10.92
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0990	EA	14" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	295.25	10.92
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0991	EA	14" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	310.05	10.92
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0992	EA	14" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	327.42	11.56
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0993	EA	14" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	342.23	11.56
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0994	EA	14" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	357.00	11.56
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0995	EA	14" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	374.37	12.19
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0996	EA	14" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	389.21	12.19
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0997	EA	14" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	404.01	12.19
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0998	EA	16" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	286.21	10.27
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0999	EA	16" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	308.55	10.27
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1000	EA	16" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	330.83	10.27
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1001	EA	16" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	353.08	10.27
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1002	EA	16" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	377.92	10.92
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1003	EA	16" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	400.22	10.92
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1004	EA	16" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	422.53	10.92
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	

Page 08 - 305

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 11 00-1035	EA	20" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	604.90	12.19
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1036	EA	20" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	632.71	12.19
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1037	EA	20" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	663.06	12.84
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1038	EA	20" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	690.90	12.84
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1039	EA	20" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	718.66	12.84
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1040	EA	22" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	380.12	10.92
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1041	EA	22" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	410.67	10.92
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1042	EA	22" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	441.25	10.92
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1043	EA	22" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	471.86	10.92
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1044	EA	22" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	505.00	11.56
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1045	EA	22" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	535.61	11.56
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1046	EA	22" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	566.19	11.56
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1047	EA	22" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	596.80	11.56
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1048	EA	22" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	629.91	12.19
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1049	EA	22" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	660.49	12.19
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1050	EA	22" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	691.10	12.19
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1051	EA	22" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	724.25	12.84
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1052	EA	22" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	754.85	12.84
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1053	EA	22" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	785.37	12.84
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1054	EA	24" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	410.67	10.92
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1055	EA	24" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	444.02	10.92
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1056	EA	24" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	477.42	10.92
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1057	EA	24" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	510.79	10.92
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1058	EA	24" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	546.74	11.56
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1059	EA	24" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	580.08	11.56
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1060	EA	24" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	613.45	11.56
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1061	EA	24" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	648.65	11.56
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1062	EA	24" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	682.74	12.19
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1063	EA	24" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	716.09	12.19
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1064	EA	24" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	749.46	12.19
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1065	EA		24" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	785.37 6.30 11.40	12.84
08 71 11 00-1066	EA		24" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	818.81 6.30 11.40	12.84
08 71 11 00-1067	EA		24" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	852.15 6.30 11.40	12.84
08 71 11 00-1068 Bright/Satin Chrome Finish, Stainless Kick Plate (08 71 11 00-0940)					
08 71 11 00-1069	EA		8" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	141.41 1.76 11.40	9.63
08 71 11 00-1070	EA		8" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	150.77 1.76 11.40	9.63
08 71 11 00-1071	EA		8" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	160.12 1.76 11.40	9.63
08 71 11 00-1072	EA		8" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	169.48 1.76 11.40	9.63
08 71 11 00-1073	EA		8" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	181.40 1.76 11.40	10.27
08 71 11 00-1074	EA		8" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	190.73 1.76 11.40	10.27
08 71 11 00-1075	EA		8" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	200.09 1.76 11.40	10.27
08 71 11 00-1076	EA		8" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	209.44 1.76 11.40	10.27
08 71 11 00-1077	EA		8" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	221.36 1.76 11.40	10.92
08 71 11 00-1078	EA		8" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	230.75 1.76 11.40	10.92
08 71 11 00-1079	EA		8" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	240.10 1.76 11.40	10.92
08 71 11 00-1080	EA		8" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	252.03 1.76 11.40	11.56
08 71 11 00-1081	EA		8" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	261.38 1.76 11.40	11.56
08 71 11 00-1082	EA		8" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	270.74 1.76 11.40	11.56
08 71 11 00-1083	EA		10" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	167.15 1.76 11.40	9.63
08 71 11 00-1084	EA		10" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	178.83 1.76 11.40	9.63
08 71 11 00-1085	EA		10" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	190.52 1.76 11.40	9.63
08 71 11 00-1086	EA		10" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	202.21 1.76 11.40	9.63
08 71 11 00-1087	EA		10" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	216.50 1.76 11.40	10.27
08 71 11 00-1088	EA		10" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	228.19 1.76 11.40	10.27
08 71 11 00-1089	EA		10" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	239.87 1.76 11.40	10.27
08 71 11 00-1090	EA		10" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	251.56 1.76 11.40	10.27
08 71 11 00-1091	EA		10" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	265.81 1.76 11.40	10.92
08 71 11 00-1092	EA		10" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	277.50 1.76 11.40	10.92
08 71 11 00-1093	EA		10" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	289.19 1.76 11.40	10.92
08 71 11 00-1094	EA		10" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	303.44 1.76 11.40	11.56

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 11 00-1095	EA	10" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	315.13	11.56
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1096	EA	10" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	326.82	11.56
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1097	EA	12" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	192.85	9.63
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1098	EA	12" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	206.87	9.63
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1099	EA	12" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	220.95	9.63
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1100	EA	12" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	234.97	9.63
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1101	EA	12" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	251.56	10.27
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1102	EA	12" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	265.61	10.27
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1103	EA	12" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	279.63	10.27
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1104	EA	12" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	293.65	10.27
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1105	EA	12" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	310.23	10.92
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1106	EA	12" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	324.25	10.92
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1107	EA	12" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	338.30	10.92
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1108	EA	12" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	354.89	11.56
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1109	EA	12" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	368.97	11.56
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1110	EA	12" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	382.99	11.56
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1111	EA	14" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	221.13	10.27
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1112	EA	14" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	237.54	10.27
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1113	EA	14" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	253.92	10.27
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1114	EA	14" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	270.27	10.27
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1115	EA	14" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	289.19	10.92
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1116	EA	14" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	305.57	10.92
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1117	EA	14" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	321.92	10.92
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1118	EA	14" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	338.30	10.92
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1119	EA	14" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	357.28	11.56
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1120	EA	14" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	373.63	11.56
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1121	EA	14" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	389.98	11.56
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1122	EA	14" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	379.42	12.19
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1123	EA	14" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	425.28	12.19
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1124	EA	14" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	441.66	12.19
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1125	EA	16" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	315.46	10.27	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1126	EA	16" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	340.43	10.27	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1127	EA	16" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	365.37	10.27	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1128	EA	16" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	390.31	10.27	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1129	EA	16" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	417.81	10.92	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1130	EA	16" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	442.75	10.92	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1131	EA	16" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	467.72	10.92	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1132	EA	16" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	492.66	10.92	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1133	EA	16" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	520.17	11.56	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1134	EA	16" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	545.11	11.56	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1135	EA	16" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	570.05	11.56	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1136	EA	16" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	597.56	12.19	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1137	EA	16" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	622.50	12.19	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1138	EA	16" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	647.44	12.19	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1139	EA	18" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	348.87	10.27	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1140	EA	18" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	376.88	10.27	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1141	EA	18" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	404.83	10.27	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1142	EA	18" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	432.84	10.27	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1143	EA	18" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	463.35	10.92	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1144	EA	18" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	491.33	10.92	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1145	EA	18" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	519.31	10.92	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1146	EA	18" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	547.29	10.92	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1147	EA	18" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	577.81	11.56	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1148	EA	18" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	605.82	11.56	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1149	EA	18" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	633.83	11.56	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1150	EA	18" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	664.35	12.19	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1151	EA	18" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	692.36	12.19	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1152	EA	18" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	720.32	12.19	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1153	EA	20" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	385.61	10.92	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1154	EA	20" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	416.75	10.92	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		

08 Openings**08 70 Hardware****08 71 Door Hardware**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 71 11 00-1155	EA	20" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	447.80	10.92
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1156	EA	20" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	478.94	10.92
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1157	EA	20" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	512.56	11.56
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1158	EA	20" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	543.64	11.56
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1159	EA	20" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	574.75	11.56
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1160	EA	20" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	605.82	11.56
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1161	EA	20" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	639.53	12.19
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1162	EA	20" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	670.58	12.19
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1163	EA	20" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	701.66	12.19
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1164	EA	20" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	735.34	12.84
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1165	EA	20" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate.....	766.42	12.84
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1166	EA	20" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	797.53	12.84
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1167	EA	22" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	419.82	10.92
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1168	EA	22" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	454.06	10.92
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1169	EA	22" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	488.23	10.92
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1170	EA	22" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	522.41	10.92
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1171	EA	22" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	559.22	11.56
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1172	EA	22" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	593.40	11.56
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1173	EA	22" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	627.61	11.56
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1174	EA	22" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	661.78	11.56
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1175	EA	22" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	698.59	12.19
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1176	EA	22" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	732.77	12.19
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1177	EA	22" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	766.98	12.19
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1178	EA	22" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	803.73	12.84
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1179	EA	22" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	837.91	12.84
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1180	EA	22" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	872.14	12.84
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1181	EA	24" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	454.06	10.92
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1182	EA	24" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	491.33	10.92
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1183	EA	24" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	528.64	10.92
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1184	EA	24" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	565.95	10.92
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	

		Openings	08	08
		Hardware	08 70	
		Door Hardware	08 71	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1185	EA	24" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	605.82 6.30 11.40	11.56
08 71 11 00-1186	EA	24" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	643.13 6.30 11.40	11.56
08 71 11 00-1187	EA	24" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	680.50 6.30 11.40	11.56
08 71 11 00-1188	EA	24" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	717.75 6.30 11.40	11.56
08 71 11 00-1189	EA	24" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	757.62 6.30 11.40	12.19
08 71 11 00-1190	EA	24" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	794.96 6.30 11.40	12.19
08 71 11 00-1191	EA	24" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	832.27 6.30 11.40	12.19
08 71 11 00-1192	EA	24" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	872.14 6.30 11.40	12.84
08 71 11 00-1193	EA	24" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	909.45 6.30 11.40	12.84
08 71 11 00-1194	EA	24" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	946.76 6.30 11.40	12.84
08 71 11 00-1195 Satin/Dark Bronze Finish, Brass Kick Plate (08 71 11 00-0940)				
08 71 11 00-1196	EA	8" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	142.93 1.76 11.40	9.63
08 71 11 00-1197	EA	8" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	152.37 1.76 11.40	9.63
08 71 11 00-1198	EA	8" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	161.91 1.76 11.40	9.63
08 71 11 00-1199	EA	8" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	171.35 1.76 11.40	9.63
08 71 11 00-1200	EA	8" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	183.46 1.76 11.40	10.27
08 71 11 00-1201	EA	8" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	192.93 1.76 11.40	10.27
08 71 11 00-1202	EA	8" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	202.44 1.76 11.40	10.27
08 71 11 00-1203	EA	8" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	211.91 1.76 11.40	10.27
08 71 11 00-1204	EA	8" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	223.92 1.76 11.40	10.92
08 71 11 00-1205	EA	8" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	233.45 1.76 11.40	10.92
08 71 11 00-1206	EA	8" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	242.93 1.76 11.40	10.92
08 71 11 00-1207	EA	8" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	255.00 1.76 11.40	11.56
08 71 11 00-1208	EA	8" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	264.48 1.76 11.40	11.56
08 71 11 00-1209	EA	8" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	273.98 1.76 11.40	11.56
08 71 11 00-1210	EA	10" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	169.00 1.76 11.40	9.63
08 71 11 00-1211	EA	10" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	180.89 1.76 11.40	9.63
08 71 11 00-1212	EA	10" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	192.72 1.76 11.40	9.63
08 71 11 00-1213	EA	10" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	204.58 1.76 11.40	9.63
08 71 11 00-1214	EA	10" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	219.01 1.76 11.40	10.27

08 Openings**08 70 Hardware****08 71 Door Hardware**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 71 11 00-1215	EA	10" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	230.89	10.27
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1216	EA	10" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	242.72	10.27
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1217	EA	10" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	254.58	10.27
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1218	EA	10" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	269.03	10.92
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1219	EA	10" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	280.89	10.92
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1220	EA	10" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	292.72	10.92
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1221	EA	10" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	307.21	11.56
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1222	EA	10" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	319.04	11.56
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1223	EA	10" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	330.90	11.56
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1224	EA	12" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	195.10	9.63
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1225	EA	12" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	209.34	9.63
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1226	EA	12" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	223.56	9.63
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1227	EA	12" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	237.80	9.63
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1228	EA	12" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	254.58	10.27
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1229	EA	12" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	268.85	10.27
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1230	EA	12" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	283.10	10.27
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1231	EA	12" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	297.31	10.27
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1232	EA	12" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	314.11	10.92
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1233	EA	12" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	328.33	10.92
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1234	EA	12" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	342.54	10.92
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1235	EA	12" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	359.35	11.56
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1236	EA	12" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	373.62	11.56
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1237	EA	12" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	387.84	11.56
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1238	EA	14" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	223.74	10.27
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1239	EA	14" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	240.37	10.27
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1240	EA	14" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	256.97	10.27
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1241	EA	14" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	273.56	10.27
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1242	EA	14" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	292.72	10.92
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1243	EA	14" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	309.35	10.92
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1244	EA	14" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	325.94	10.92
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1245	EA	14" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	342.54	10.92
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1246	EA	14" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	361.74	11.56
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1247	EA	14" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	378.33	11.56
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1248	EA	14" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	394.93	11.56
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1249	EA	14" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	414.13	12.19
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1250	EA	14" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	430.78	12.19
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1251	EA	14" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	447.38	12.19
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1252	EA	16" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	314.64	10.27
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1253	EA	16" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	339.54	10.27
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1254	EA	16" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	364.40	10.27
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1255	EA	16" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	389.27	10.27
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1256	EA	16" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	416.70	10.92
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1257	EA	16" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	441.56	10.92
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1258	EA	16" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	466.46	10.92
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1259	EA	16" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	491.32	10.92
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1260	EA	16" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	518.76	11.56
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1261	EA	16" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	543.62	11.56
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1262	EA	16" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	568.49	11.56
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1263	EA	16" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	595.93	12.19
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1264	EA	16" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	620.79	12.19
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1265	EA	16" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	645.66	12.19
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1266	EA	18" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	347.95	10.27
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1267	EA	18" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	375.88	10.27
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1268	EA	18" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	403.75	10.27
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1269	EA	18" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	431.67	10.27
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1270	EA	18" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	462.10	10.92
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1271	EA	18" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	490.00	10.92
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1272	EA	18" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	517.90	10.92
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1273	EA	18" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	545.79	10.92
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1274	EA	18" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	576.23	11.56
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	

08 Openings**08 70 Hardware****08 71 Door Hardware**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 71 11 00-1275	EA	18" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	604.16	11.56
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1276	EA	18" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	632.08	11.56
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1277	EA	18" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	662.52	12.19
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1278	EA	18" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	690.45	12.19
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1279	EA	18" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	718.31	12.19
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1280	EA	20" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	384.59	10.92
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1281	EA	20" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	415.64	10.92
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1282	EA	20" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	446.59	10.92
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1283	EA	20" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	477.64	10.92
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1284	EA	20" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	511.17	11.56
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1285	EA	20" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	542.15	11.56
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1286	EA	20" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	573.17	11.56
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1287	EA	20" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	604.16	11.56
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1288	EA	20" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	637.77	12.19
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1289	EA	20" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	668.73	12.19
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1290	EA	20" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	699.72	12.19
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1291	EA	20" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	733.30	12.84
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1292	EA	20" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	764.29	12.84
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1293	EA	20" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	795.30	12.84
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1294	EA	22" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	418.70	10.92
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1295	EA	22" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	452.83	10.92
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1296	EA	22" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	486.91	10.92
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1297	EA	22" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	520.99	10.92
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1298	EA	22" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	557.69	11.56
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1299	EA	22" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	591.77	11.56
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1300	EA	22" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	625.87	11.56
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1301	EA	22" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	659.95	11.56
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1302	EA	22" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	696.65	12.19
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1303	EA	22" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	730.73	12.19
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1304	EA	22" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	764.84	12.19
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1305	EA	22" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	801.48	12.84	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1306	EA	22" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	835.56	12.84	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1307	EA	22" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	869.70	12.84	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1308	EA	24" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	452.83	10.92	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1309	EA	24" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	490.00	10.92	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1310	EA	24" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	527.19	10.92	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1311	EA	24" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	564.39	10.92	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1312	EA	24" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	604.16	11.56	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1313	EA	24" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	641.35	11.56	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1314	EA	24" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	678.61	11.56	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1315	EA	24" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	715.74	11.56	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1316	EA	24" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	755.51	12.19	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1317	EA	24" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	792.73	12.19	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1318	EA	24" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	829.93	12.19	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1319	EA	24" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	869.70	12.84	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1320	EA	24" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	906.89	12.84	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1321	EA	24" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	944.09	12.84	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1322	Satin Nickel Finish, Stainless Kick Plate (08 71 11 00-0940)				
08 71 11 00-1323	EA	8" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	145.23	9.63	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1324	EA	8" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	154.89	9.63	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1325	EA	8" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	164.63	9.63	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1326	EA	8" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	174.29	9.63	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1327	EA	8" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	186.60	10.27	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1328	EA	8" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	196.29	10.27	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1329	EA	8" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	206.00	10.27	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1330	EA	8" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	215.69	10.27	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1331	EA	8" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	227.90	10.92	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1332	EA	8" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	237.65	10.92	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1333	EA	8" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	247.33	10.92	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1334	EA	8" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	259.62	11.56	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 11 00-1335	EA 8" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate.....	269.30	11.56
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1336	EA 8" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate.....	279.02	11.56
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1337	EA 10" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate.....	171.88	9.63
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1338	EA 10" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate.....	184.03	9.63
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1339	EA 10" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate.....	196.12	9.63
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1340	EA 10" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate.....	208.24	9.63
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1341	EA 10" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate.....	222.94	10.27
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1342	EA 10" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate.....	235.09	10.27
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1343	EA 10" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate.....	247.18	10.27
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1344	EA 10" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate.....	259.30	10.27
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1345	EA 10" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate.....	274.01	10.92
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1346	EA 10" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate.....	286.13	10.92
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1347	EA 10" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate.....	298.22	10.92
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1348	EA 10" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate.....	312.97	11.56
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1349	EA 10" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate.....	325.06	11.56
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1350	EA 10" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate.....	337.18	11.56
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1351	EA 12" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate.....	198.56	9.63
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1352	EA 12" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate.....	213.12	9.63
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1353	EA 12" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate.....	227.64	9.63
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1354	EA 12" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate.....	242.20	9.63
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1355	EA 12" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate.....	259.30	10.27
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1356	EA 12" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate.....	273.89	10.27
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1357	EA 12" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate.....	288.44	10.27
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1358	EA 12" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate.....	302.97	10.27
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1359	EA 12" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate.....	320.09	10.92
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1360	EA 12" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate.....	334.61	10.92
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1361	EA 12" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate.....	349.14	10.92
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1362	EA 12" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate.....	366.27	11.56
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1363	EA 12" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate.....	380.86	11.56
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1364	EA 12" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate.....	395.38	11.56
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1365	EA	14" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	227.78	10.27
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1366	EA	14" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	244.77	10.27
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1367	EA	14" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	.....	261.73	10.27
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1368	EA	14" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	278.70	10.27
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1369	EA	14" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	298.22	10.92
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1370	EA	14" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	315.22	10.92
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1371	EA	14" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	332.18	10.92
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1372	EA	14" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	349.14	10.92
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1373	EA	14" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	368.71	11.56
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1374	EA	14" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	385.67	11.56
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1375	EA	14" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	402.63	11.56
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1376	EA	14" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	422.20	12.19
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1377	EA	14" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	439.22	12.19
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1378	EA	14" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	456.18	12.19
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1379	EA	16" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	320.69	10.27
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1380	EA	16" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	346.13	10.27
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1381	EA	16" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	371.55	10.27
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1382	EA	16" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	396.96	10.27
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1383	EA	16" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	424.94	10.92
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1384	EA	16" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	450.35	10.92
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1385	EA	16" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	475.80	10.92
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1386	EA	16" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	501.21	10.92
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1387	EA	16" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	529.20	11.56
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1388	EA	16" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	554.61	11.56
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1389	EA	16" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	580.03	11.56
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1390	EA	16" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	608.01	12.19
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1391	EA	16" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	633.43	12.19
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1392	EA	16" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	658.84	12.19
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1393	EA	18" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	354.73	10.27
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1394	EA	18" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	383.28	10.27
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	

08 Openings**08 70 Hardware****08 71 Door Hardware**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 71 11 00-1395	EA	18" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	411.76	10.27
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1396	EA	18" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	440.30	10.27
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1397	EA	18" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	471.34	10.92
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1398	EA	18" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	499.86	10.92
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1399	EA	18" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	528.37	10.92
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1400	EA	18" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	556.88	10.92
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1401	EA	18" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	587.94	11.56
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1402	EA	18" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	616.48	11.56
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1403	EA	18" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	645.02	11.56
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1404	EA	18" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	676.08	12.19
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1405	EA	18" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	704.62	12.19
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1406	EA	18" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	733.10	12.19
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1407	EA	20" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	392.12	10.92
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1408	EA	20" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	423.85	10.92
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1409	EA	20" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	455.49	10.92
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1410	EA	20" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	487.23	10.92
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1411	EA	20" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	521.44	11.56
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1412	EA	20" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	553.11	11.56
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1413	EA	20" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	584.81	11.56
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1414	EA	20" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	616.48	11.56
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1415	EA	20" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	650.78	12.19
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1416	EA	20" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	682.42	12.19
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1417	EA	20" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	714.09	12.19
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1418	EA	20" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	748.36	12.84
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1419	EA	20" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	780.04	12.84
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1420	EA	20" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	811.74	12.84
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1421	EA	22" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	426.98	10.92
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1422	EA	22" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	461.87	10.92
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1423	EA	22" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	496.70	10.92
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1424	EA	22" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	531.53	10.92
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1425	EA	22" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	568.99	11.56
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1426	EA	22" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	603.82	11.56
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1427	EA	22" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	638.68	11.56
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1428	EA	22" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	673.51	11.56
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1429	EA	22" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	710.97	12.19
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1430	EA	22" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	745.79	12.19
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1431	EA	22" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	780.65	12.19
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1432	EA	22" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	818.05	12.84
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1433	EA	22" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	852.88	12.84
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1434	EA	22" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	887.77	12.84
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1435	EA	24" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	461.87	10.92
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1436	EA	24" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	499.86	10.92
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1437	EA	24" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	537.88	10.92
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1438	EA	24" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	575.89	10.92
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1439	EA	24" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	616.48	11.56
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1440	EA	24" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	654.50	11.56
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1441	EA	24" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	692.57	11.56
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1442	EA	24" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	730.53	11.56
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1443	EA	24" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	771.12	12.19
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1444	EA	24" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	809.17	12.19
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1445	EA	24" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	847.18	12.19
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1446	EA	24" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	887.77	12.84
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1447	EA	24" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	925.79	12.84
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1448	EA	24" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	963.81	12.84
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1449		Stainless Base Material Kick Plate (08 71 11 00-0811)			
08 71 11 00-1450		Satin Stainless Finish, Stainless Kick Plate (08 71 11 00-1449)			
08 71 11 00-1451	EA	8" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	70.51	9.63
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1452	EA	8" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	73.45	9.63
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1453	EA	8" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	76.31	9.63
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1454	EA	8" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	79.29	9.63
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 11 00-1455	EA 8" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	84.75	10.27
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1456	EA 8" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	87.61	10.27
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1457	EA 8" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	90.59	10.27
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1458	EA 8" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	93.47	10.27
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1459	EA 8" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	98.95	10.92
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1460	EA 8" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	101.87	10.92
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1461	EA 8" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	104.76	10.92
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1462	EA 8" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	110.25	11.56
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1463	EA 8" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	113.17	11.56
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1464	EA 8" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	116.06	11.56
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1465	EA 10" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	78.51	9.63
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1466	EA 10" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	82.18	9.63
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1467	EA 10" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	85.82	9.63
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1468	EA 10" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	89.43	9.63
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1469	EA 10" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	95.67	10.27
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1470	EA 10" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	99.31	10.27
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1471	EA 10" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	102.92	10.27
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1472	EA 10" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	106.53	10.27
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1473	EA 10" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	112.79	10.92
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1474	EA 10" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	116.41	10.92
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1475	EA 10" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	120.02	10.92
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1476	EA 10" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	126.26	11.56
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1477	EA 10" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	129.90	11.56
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1478	EA 10" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	133.51	11.56
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1479	EA 12" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	86.54	9.63
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1480	EA 12" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	90.90	9.63
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1481	EA 12" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	95.27	9.63
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1482	EA 12" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	99.63	9.63
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1483	EA 12" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	106.53	10.27
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1484	EA 12" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	110.93	10.27
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1485	EA	12" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	115.26	10.27
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1486	EA	12" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	119.65	10.27
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1487	EA	12" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	126.55	10.92
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1488	EA	12" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	130.94	10.92
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1489	EA	12" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	135.33	10.92
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1490	EA	12" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	142.23	11.56
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1491	EA	12" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	146.63	11.56
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1492	EA	12" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	150.96	11.56
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1493	EA	14" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	97.12	10.27
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1494	EA	14" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	102.20	10.27
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1495	EA	14" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	107.31	10.27
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1496	EA	14" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	112.40	10.27
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1497	EA	14" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	120.02	10.92
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1498	EA	14" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	125.13	10.92
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1499	EA	14" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	130.22	10.92
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1500	EA	14" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	135.33	10.92
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1501	EA	14" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	143.01	11.56
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1502	EA	14" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	148.04	11.56
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1503	EA	14" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	153.16	11.56
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1504	EA	14" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	160.84	12.19
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1505	EA	14" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	165.93	12.19
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1506	EA	14" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	171.04	12.19
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1507	EA	16" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	109.31	10.27
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1508	EA	16" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	115.81	10.27
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1509	EA	16" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	122.05	10.27
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1510	EA	16" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	128.26	10.27
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1511	EA	16" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	137.04	10.92
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1512	EA	16" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	143.28	10.92
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1513	EA	16" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	149.52	10.92
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1514	EA	16" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	155.73	10.92
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

08 71 11 00-1515	EA 16" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	164.51	11.56
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1516	EA 16" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	170.78	11.56
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1517	EA 16" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	177.02	11.56
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1518	EA 16" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	186.33	12.19
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1519	EA 16" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	192.02	12.19
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1520	EA 16" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	198.26	12.19
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1521	EA 18" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	116.42	10.27
	For Four Beveled Edges, Add	6.30	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1522	EA 18" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	123.29	10.27
	For Four Beveled Edges, Add	6.30	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1523	EA 18" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	130.11	10.27
	For Four Beveled Edges, Add	6.30	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1524	EA 18" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	136.96	10.27
	For Four Beveled Edges, Add	6.30	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1525	EA 18" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	146.40	10.92
	For Four Beveled Edges, Add	6.30	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1526	EA 18" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	153.22	10.92
	For Four Beveled Edges, Add	6.30	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1527	EA 18" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	160.06	10.92
	For Four Beveled Edges, Add	6.30	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1528	EA 18" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	166.88	10.92
	For Four Beveled Edges, Add	6.30	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1529	EA 18" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	176.33	11.56
	For Four Beveled Edges, Add	6.30	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1530	EA 18" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	183.18	11.56
	For Four Beveled Edges, Add	6.30	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1531	EA 18" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	190.00	11.56
	For Four Beveled Edges, Add	6.30	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1532	EA 18" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	199.44	12.19
	For Four Beveled Edges, Add	6.30	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1533	EA 18" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	206.32	12.19
	For Four Beveled Edges, Add	6.30	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1534	EA 18" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	213.14	12.19
	For Four Beveled Edges, Add	6.30	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1535	EA 20" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	127.36	10.92
	For Four Beveled Edges, Add	6.30	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1536	EA 20" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	134.95	10.92
	For Four Beveled Edges, Add	6.30	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1537	EA 20" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	142.58	10.92
	For Four Beveled Edges, Add	6.30	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1538	EA 20" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	150.15	10.92
	For Four Beveled Edges, Add	6.30	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1539	EA 20" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	160.35	11.56
	For Four Beveled Edges, Add	6.30	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1540	EA 20" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	167.98	11.56
	For Four Beveled Edges, Add	6.30	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1541	EA 20" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	175.55	11.56
	For Four Beveled Edges, Add	6.30	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1542	EA 20" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	183.18	11.56
	For Four Beveled Edges, Add	6.30	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1543	EA 20" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	193.35	12.19
	For Four Beveled Edges, Add	6.30	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1544	EA 20" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	200.97	12.19
	For Four Beveled Edges, Add	6.30	
	For UL Label (Fire Rated), Add	11.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1545	EA	20" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	208.60	12.19
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1546	EA	20" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	218.74	12.84
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1547	EA	20" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	226.37	12.84
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1548	EA	20" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	233.97	12.84
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1549	EA	22" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	135.71	10.92
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1550	EA	22" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	144.11	10.92
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1551	EA	22" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	152.44	10.92
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1552	EA	22" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	160.84	10.92
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1553	EA	22" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	171.74	11.56
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1554	EA	22" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	180.14	11.56
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1555	EA	22" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	188.49	11.56
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1556	EA	22" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	196.87	11.56
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1557	EA	22" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	207.79	12.19
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1558	EA	22" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	216.17	12.19
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1559	EA	22" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	224.58	12.19
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1560	EA	22" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	235.47	12.84
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1561	EA	22" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	243.88	12.84
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1562	EA	22" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	252.20	12.84
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1563	EA	24" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	144.11	10.92
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1564	EA	24" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	153.22	10.92
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1565	EA	24" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	162.38	10.92
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1566	EA	24" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	171.48	10.92
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1567	EA	24" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	183.18	11.56
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1568	EA	24" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	192.31	11.56
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1569	EA	24" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	201.44	11.56
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1570	EA	24" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	210.57	11.56
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1571	EA	24" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	222.27	12.19
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1572	EA	24" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	231.40	12.19
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1573	EA	24" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	240.53	12.19
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1574	EA	24" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	252.20	12.84
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
08 71 11 00-1575	EA	24" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	261.36	12.84
		For Four Beveled Edges, Add		6.30	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-1576	EA	24" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	270.52	12.84
		For Four Beveled Edges, Add		6.30	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-1577 Bright Stainless Finish, Stainless Kick Plate (08 71 11 00-1449)					
08 71 11 00-1578	EA	8" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	113.85	9.63
		For Four Beveled Edges, Add		1.76	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-1579	EA	8" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	120.73	9.63
		For Four Beveled Edges, Add		1.76	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-1580	EA	8" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	127.56	9.63
		For Four Beveled Edges, Add		1.76	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-1581	EA	8" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	134.41	9.63
		For Four Beveled Edges, Add		1.76	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-1582	EA	8" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	143.80	10.27
		For Four Beveled Edges, Add		1.76	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-1583	EA	8" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	150.68	10.27
		For Four Beveled Edges, Add		1.76	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-1584	EA	8" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	157.50	10.27
		For Four Beveled Edges, Add		1.76	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-1585	EA	8" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	164.38	10.27
		For Four Beveled Edges, Add		1.76	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-1586	EA	8" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	173.73	10.92
		For Four Beveled Edges, Add		1.76	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-1587	EA	8" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	180.61	10.92
		For Four Beveled Edges, Add		1.76	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-1588	EA	8" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	187.50	10.92
		For Four Beveled Edges, Add		1.76	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-1589	EA	8" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	196.89	11.56
		For Four Beveled Edges, Add		1.76	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-1590	EA	8" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	203.74	11.56
		For Four Beveled Edges, Add		1.76	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-1591	EA	8" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	210.56	11.56
		For Four Beveled Edges, Add		1.76	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-1592	EA	10" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	132.69	9.63
		For Four Beveled Edges, Add		1.76	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-1593	EA	10" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	141.23	9.63
		For Four Beveled Edges, Add		1.76	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-1594	EA	10" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	149.82	9.63
		For Four Beveled Edges, Add		1.76	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-1595	EA	10" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	158.39	9.63
		For Four Beveled Edges, Add		1.76	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-1596	EA	10" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	169.49	10.27
		For Four Beveled Edges, Add		1.76	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-1597	EA	10" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	178.05	10.27
		For Four Beveled Edges, Add		1.76	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-1598	EA	10" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	186.65	10.27
		For Four Beveled Edges, Add		1.76	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-1599	EA	10" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	195.21	10.27
		For Four Beveled Edges, Add		1.76	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-1600	EA	10" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	206.31	10.92
		For Four Beveled Edges, Add		1.76	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-1601	EA	10" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	214.87	10.92
		For Four Beveled Edges, Add		1.76	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-1602	EA	10" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	223.46	10.92
		For Four Beveled Edges, Add		1.76	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-1603	EA	10" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	234.54	11.56
		For Four Beveled Edges, Add		1.76	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-1604	EA	10" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	243.13	11.56
		For Four Beveled Edges, Add		1.76	
		For UL Label (Fire Rated), Add		11.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1605	EA	10" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	251.70	11.56	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1606	EA	12" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	151.51	9.63	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1607	EA	12" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	161.81	9.63	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1608	EA	12" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	172.09	9.63	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1609	EA	12" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	182.37	9.63	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1610	EA	12" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	195.21	10.27	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1611	EA	12" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	205.43	10.27	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1612	EA	12" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	215.74	10.27	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1613	EA	12" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	226.01	10.27	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1614	EA	12" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	238.85	10.92	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1615	EA	12" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	249.13	10.92	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1616	EA	12" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	259.37	10.92	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1617	EA	12" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	272.25	11.56	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1618	EA	12" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	282.50	11.56	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1619	EA	12" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	292.77	11.56	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1620	EA	14" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	172.95	10.27	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1621	EA	14" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	184.94	10.27	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1622	EA	14" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	196.93	10.27	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1623	EA	14" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	208.91	10.27	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1624	EA	14" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	223.46	10.92	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1625	EA	14" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	235.42	10.92	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1626	EA	14" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	247.41	10.92	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1627	EA	14" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	259.37	10.92	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1628	EA	14" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	273.96	11.56	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1629	EA	14" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	285.95	11.56	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1630	EA	14" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	297.94	11.56	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1631	EA	14" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	312.50	12.19	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1632	EA	14" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	324.43	12.19	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1633	EA	14" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	336.42	12.19	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1634	EA	16" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	191.76	10.27	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 11 00-1635	EA	16" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	205.43	10.27
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1636	EA	16" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	219.19	10.27
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1637	EA	16" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	232.86	10.27
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1638	EA	16" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	249.13	10.92
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1639	EA	16" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	262.83	10.92
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1640	EA	16" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	276.50	10.92
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1641	EA	16" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	290.20	10.92
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1642	EA	16" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	306.48	11.56
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1643	EA	16" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	320.15	11.56
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1644	EA	16" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	333.85	11.56
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1645	EA	16" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	350.12	12.19
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1646	EA	16" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	363.86	12.19
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1647	EA	16" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	377.56	12.19
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1648	EA	18" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	212.61	10.27
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1649	EA	18" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	228.26	10.27
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1650	EA	18" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	243.79	10.27
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1651	EA	18" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	259.44	10.27
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1652	EA	18" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	277.59	10.92
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1653	EA	18" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	293.13	10.92
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1654	EA	18" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	308.78	10.92
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1655	EA	18" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	333.23	10.92
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1656	EA	18" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	342.53	11.56
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1657	EA	18" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	358.13	11.56
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1658	EA	18" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	373.72	11.56
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1659	EA	18" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	391.88	12.19
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1660	EA	18" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	407.47	12.19
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1661	EA	18" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	423.07	12.19
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1662	EA	20" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	234.27	10.92
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1663	EA	20" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	251.58	10.92
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1664	EA	20" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	268.91	10.92
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1665	EA	20" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	286.22	10.92
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1666	EA	20" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	306.12	11.56
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1667	EA	20" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	323.49	11.56
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1668	EA	20" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	340.76	11.56
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1669	EA	20" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	358.13	11.56
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1670	EA	20" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	377.97	12.19
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1671	EA	20" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	395.34	12.19
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1672	EA	20" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	412.67	12.19
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1673	EA	20" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	432.55	12.84
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1674	EA	20" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	449.88	12.84
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1675	EA	20" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	467.19	12.84
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1676	EA	22" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	253.32	10.92
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1677	EA	22" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	272.37	10.92
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1678	EA	22" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	291.42	10.92
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1679	EA	22" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	310.46	10.92
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1680	EA	22" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	332.11	11.56
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1681	EA	22" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	351.19	11.56
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1682	EA	22" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	370.26	11.56
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1683	EA	22" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	389.31	11.56
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1684	EA	22" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	410.93	12.19
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1685	EA	22" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	429.98	12.19
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1686	EA	22" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	449.02	12.19
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1687	EA	22" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	470.64	12.84
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1688	EA	22" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	489.75	12.84
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1689	EA	22" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	508.80	12.84
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1690	EA	24" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	272.37	10.92
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1691	EA	24" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	293.13	10.92
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1692	EA	24" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	313.95	10.92
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1693	EA	24" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	334.74	10.92
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1694	EA	24" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	358.13	11.56
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	

08 Openings**08 70 Hardware****08 71 Door Hardware**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 71 11 00-1695	EA	24" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	378.89	11.56
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1696	EA	24" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	399.68	11.56
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1697	EA	24" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	420.50	11.56
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1698	EA	24" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	443.86	12.19
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1699	EA	24" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	464.62	12.19
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1700	EA	24" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	485.44	12.19
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1701	EA	24" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	508.80	12.84
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1702	EA	24" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	529.61	12.84
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1703	EA	24" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	550.37	12.84
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	

08 71 11 00-1704 Plastic Kick Plate (08 71 11 00-0811)**08 71 11 00-1705 Clear Or Black Finish, Plastic Kick Plate (08 71 11 00-1704)**

Note: With four beveled edges.

08 71 11 00-1706	EA	8" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	62.25	9.63
08 71 11 00-1707	EA	8" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	64.37	9.63
08 71 11 00-1708	EA	8" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	66.57	9.63
08 71 11 00-1709	EA	8" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	68.72	9.63
08 71 11 00-1710	EA	8" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	73.46	10.27
08 71 11 00-1711	EA	8" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	75.61	10.27
08 71 11 00-1712	EA	8" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	77.73	10.27
08 71 11 00-1713	EA	8" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	79.93	10.27
08 71 11 00-1714	EA	8" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	87.25	10.92
08 71 11 00-1715	EA	8" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	86.76	10.92
08 71 11 00-1716	EA	8" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	88.96	10.92
08 71 11 00-1717	EA	8" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	93.67	11.56
08 71 11 00-1718	EA	8" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	95.85	11.56
08 71 11 00-1719	EA	8" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	98.00	11.56
08 71 11 00-1720	EA	10" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	68.17	9.63
08 71 11 00-1721	EA	10" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	70.89	9.63
08 71 11 00-1722	EA	10" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	73.56	9.63
08 71 11 00-1723	EA	10" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	76.23	9.63
08 71 11 00-1724	EA	10" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	81.53	10.27
08 71 11 00-1725	EA	10" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	84.20	10.27
08 71 11 00-1726	EA	10" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	86.92	10.27
08 71 11 00-1727	EA	10" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	89.59	10.27
08 71 11 00-1728	EA	10" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	94.88	10.92
08 71 11 00-1729	EA	10" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	97.55	10.92
08 71 11 00-1730	EA	10" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	100.27	10.92
08 71 11 00-1731	EA	10" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	105.51	11.56
08 71 11 00-1732	EA	10" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	108.24	11.56
08 71 11 00-1733	EA	10" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	110.91	11.56
08 71 11 00-1734	EA	12" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	74.11	9.63
08 71 11 00-1735	EA	12" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	77.46	9.63
08 71 11 00-1736	EA	12" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	80.55	9.63
08 71 11 00-1737	EA	12" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	83.83	9.63
08 71 11 00-1738	EA	12" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	89.59	10.27
08 71 11 00-1739	EA	12" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	92.87	10.27
08 71 11 00-1740	EA	12" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	96.11	10.27
08 71 11 00-1741	EA	12" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	99.33	10.27
08 71 11 00-1742	EA	12" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	105.09	10.92
08 71 11 00-1743	EA	12" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	108.34	10.92
08 71 11 00-1744	EA	12" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	111.61	10.92
08 71 11 00-1745	EA	12" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	117.38	11.56
08 71 11 00-1746	EA	12" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	120.65	11.56
08 71 11 00-1747	EA	12" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	123.84	11.56
08 71 11 00-1748	EA	14" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	82.60	10.27
08 71 11 00-1749	EA	14" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	86.40	10.27
08 71 11 00-1750	EA	14" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	90.14	10.27
08 71 11 00-1751	EA	14" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	93.94	10.27
08 71 11 00-1752	EA	14" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	100.27	10.92
08 71 11 00-1753	EA	14" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	104.02	10.92
08 71 11 00-1754	EA	14" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	107.81	10.92
08 71 11 00-1755	EA	14" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	111.61	10.92
08 71 11 00-1756	EA	14" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	117.93	11.56
08 71 11 00-1757	EA	14" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	121.72	11.56
08 71 11 00-1758	EA	14" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	125.49	11.56
08 71 11 00-1759	EA	14" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	131.81	12.19

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1760	EA	14" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	135.61	12.19
08 71 11 00-1761	EA	14" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	139.35	12.19
08 71 11 00-1762	EA	16" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	95.64	10.27
08 71 11 00-1763	EA	16" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	100.62	10.27
08 71 11 00-1764	EA	16" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	105.52	10.27
08 71 11 00-1765	EA	16" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	110.49	10.27
08 71 11 00-1766	EA	16" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	118.03	10.92
08 71 11 00-1767	EA	16" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	122.98	10.92
08 71 11 00-1768	EA	16" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	127.95	10.92
08 71 11 00-1769	EA	16" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	132.88	10.92
08 71 11 00-1770	EA	16" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	140.42	11.56
08 71 11 00-1771	EA	16" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	145.37	11.56
08 71 11 00-1772	EA	16" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	150.35	11.56
08 71 11 00-1773	EA	16" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	157.89	12.19
08 71 11 00-1774	EA	16" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	162.79	12.19
08 71 11 00-1775	EA	16" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	167.77	12.19
08 71 11 00-1776	EA	18" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	102.42	10.27
08 71 11 00-1777	EA	18" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	108.03	10.92
08 71 11 00-1778	EA	18" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	113.58	10.27
08 71 11 00-1779	EA	18" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	119.19	10.27
08 71 11 00-1780	EA	18" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	125.12	10.92
08 71 11 00-1781	EA	18" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	132.88	10.92
08 71 11 00-1782	EA	18" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	138.48	10.92
08 71 11 00-1783	EA	18" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	144.03	10.92
08 71 11 00-1784	EA	18" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	152.21	11.56
08 71 11 00-1785	EA	18" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	157.79	11.56
08 71 11 00-1786	EA	18" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	163.34	11.56
08 71 11 00-1787	EA	18" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	171.51	12.19
08 71 11 00-1788	EA	18" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	177.06	12.19
08 71 11 00-1789	EA	18" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	182.67	12.19
08 71 11 00-1790	EA	20" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	111.82	10.92
08 71 11 00-1791	EA	20" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	118.03	10.92
08 71 11 00-1792	EA	20" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	124.21	10.92
08 71 11 00-1793	EA	20" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	130.41	10.92
08 71 11 00-1794	EA	20" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	139.19	11.56
08 71 11 00-1795	EA	20" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	145.37	11.56
08 71 11 00-1796	EA	20" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	151.58	11.56
08 71 11 00-1797	EA	20" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	157.79	11.56
08 71 11 00-1798	EA	20" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	166.54	12.19
08 71 11 00-1799	EA	20" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	172.74	12.19
08 71 11 00-1800	EA	20" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	178.92	12.19
08 71 11 00-1801	EA	20" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	187.70	12.84
08 71 11 00-1802	EA	20" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	193.91	12.84
08 71 11 00-1803	EA	20" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	200.09	12.84
08 71 11 00-1804	EA	22" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	118.66	10.92
08 71 11 00-1805	EA	22" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	125.44	10.92
08 71 11 00-1806	EA	22" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	132.27	10.92
08 71 11 00-1807	EA	22" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	139.06	10.92
08 71 11 00-1808	EA	22" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	148.49	11.56
08 71 11 00-1809	EA	22" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	155.32	11.56
08 71 11 00-1810	EA	22" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	162.11	11.56
08 71 11 00-1811	EA	22" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	168.94	11.56
08 71 11 00-1812	EA	22" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	178.30	12.19
08 71 11 00-1813	EA	22" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	185.13	12.19
08 71 11 00-1814	EA	22" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	191.97	12.19
08 71 11 00-1815	EA	22" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	201.32	12.84
08 71 11 00-1816	EA	22" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	208.15	12.84
08 71 11 00-1817	EA	22" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	214.94	12.84
08 71 11 00-1818	EA	24" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	125.44	10.92
08 71 11 00-1819	EA	24" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	132.88	10.92
08 71 11 00-1820	EA	24" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	140.34	10.92
08 71 11 00-1821	EA	24" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	147.78	10.92
08 71 11 00-1822	EA	24" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	157.79	11.56
08 71 11 00-1823	EA	24" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	165.20	11.56
08 71 11 00-1824	EA	24" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	172.63	11.56
08 71 11 00-1825	EA	24" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	180.10	11.56
08 71 11 00-1826	EA	24" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	190.11	12.19
08 71 11 00-1827	EA	24" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	197.52	12.19
08 71 11 00-1828	EA	24" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	204.96	12.19
08 71 11 00-1829	EA	24" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	214.94	12.84
08 71 11 00-1830	EA	24" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	222.43	12.84
08 71 11 00-1831	EA	24" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	229.86	12.84
08 71 11 00-1832	Mop Plate (08 71 11 00-0810) Note: Ives 8400. See CSI section 08 71 11 00-0810 for 8" High Plates.			
08 71 11 00-1833	Aluminum Base Material Mop Plate (08 71 11 00-1832)			
08 71 11 00-1834	Satin Aluminum Finish, Aluminum Mop Plate (08 71 11 00-1833)			
08 71 11 00-1835	EA	4" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	54.09	9.38
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1836	EA	4" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	55.64	9.38
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	

08 Openings**08 70 Hardware****08 71 Door Hardware**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 71 11 00-1837	EA	4" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	57.12	9.38
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1838	EA	4" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	58.67	9.38
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1839	EA	4" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	61.75	9.76
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1840	EA	4" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	63.24	9.76
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1841	EA	4" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	64.79	9.76
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1842	EA	4" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	66.27	9.76
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1843	EA	4" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	70.01	10.27
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1844	EA	4" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	71.52	10.27
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1845	EA	4" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	73.04	10.27
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1846	EA	4" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	77.12	10.92
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1847	EA	4" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	78.66	10.92
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1848	EA	4" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	80.15	10.92
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1849	EA	6" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	62.46	9.38
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1850	EA	6" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	64.73	9.38
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1851	EA	6" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	67.04	9.38
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1852	EA	6" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	69.31	9.38
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1853	EA	6" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	73.15	9.76
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1854	EA	6" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	75.40	9.76
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1855	EA	6" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	77.73	9.76
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1856	EA	6" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	79.97	9.76
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1857	EA	6" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	84.47	10.27
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1858	EA	6" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	86.74	10.27
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1859	EA	6" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	89.04	10.27
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1860	EA	6" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	93.88	10.92
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1861	EA	6" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	96.18	10.92
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1862	EA	6" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	98.42	10.92
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	

08 71 11 00-1863 Brass Base Material Mop Plate (08 71 11 00-1832)

08 71 11 00-1864 Bright/Satin Brass Finish, Brass Mop Plate (08 71 11 00-1863)

08 71 11 00-1865	EA	4" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	86.53	9.38
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1866	EA	4" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	91.04	9.38
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1867	EA		4" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	95.50 1.76 11.40	9.38
08 71 11 00-1868	EA		4" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	99.99 1.76 11.40	9.38
08 71 11 00-1869	EA		4" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	105.99 1.76 11.40	9.76
08 71 11 00-1870	EA		4" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	110.45 1.76 11.40	9.76
08 71 11 00-1871	EA		4" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	114.94 1.76 11.40	9.76
08 71 11 00-1872	EA		4" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	119.40 1.76 11.40	9.76
08 71 11 00-1873	EA		4" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	126.08 1.76 11.40	10.27
08 71 11 00-1874	EA		4" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	130.54 1.76 11.40	10.27
08 71 11 00-1875	EA		4" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	134.99 1.76 11.40	10.27
08 71 11 00-1876	EA		4" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	142.04 1.76 11.40	10.92
08 71 11 00-1877	EA		4" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	146.50 1.76 11.40	10.92
08 71 11 00-1878	EA		4" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	151.02 1.76 11.40	10.92
08 71 11 00-1879	EA		6" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	111.17 1.76 11.40	9.38
08 71 11 00-1880	EA		6" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	117.86 1.76 11.40	9.38
08 71 11 00-1881	EA		6" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	124.58 1.76 11.40	9.38
08 71 11 00-1882	EA		6" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	131.26 1.76 11.40	9.38
08 71 11 00-1883	EA		6" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	139.52 1.76 11.40	9.76
08 71 11 00-1884	EA		6" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	146.27 1.76 11.40	9.76
08 71 11 00-1885	EA		6" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	152.93 1.76 11.40	9.76
08 71 11 00-1886	EA		6" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	159.68 1.76 11.40	9.76
08 71 11 00-1887	EA		6" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	168.53 1.76 11.40	10.27
08 71 11 00-1888	EA		6" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	175.27 1.76 11.40	10.27
08 71 11 00-1889	EA		6" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	181.99 1.76 11.40	10.27
08 71 11 00-1890	EA		6" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	191.24 1.76 11.40	10.92
08 71 11 00-1891	EA		6" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	197.96 1.76 11.40	10.92
08 71 11 00-1892	EA		6" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	204.65 1.76 11.40	10.92
08 71 11 00-1893			Bright/Satin Chrome Finish, Stainless Mop Plate (08 71 11 00-1863)		
08 71 11 00-1894	EA		4" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	91.44 1.76 11.40	9.38
08 71 11 00-1895	EA		4" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	96.34 1.76 11.40	9.38
08 71 11 00-1896	EA		4" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	101.26 1.76 11.40	9.38

08 Openings**08 70 Hardware****08 71 Door Hardware**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 71 11 00-1897	EA	4" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	106.18	9.38
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1898	EA	4" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	112.61	9.76
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1899	EA	4" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	117.54	9.76
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1900	EA	4" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	122.46	9.76
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1901	EA	4" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	127.35	9.76
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1902	EA	4" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	134.46	10.27
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1903	EA	4" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	139.42	10.27
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1904	EA	4" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	144.34	10.27
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1905	EA	4" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	151.82	10.92
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1906	EA	4" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	156.71	10.92
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1907	EA	4" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	161.63	10.92
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1908	EA	6" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	118.47	9.38
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1909	EA	6" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	125.81	9.38
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1910	EA	6" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	133.21	9.38
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1911	EA	6" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	140.61	9.38
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1912	EA	6" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	149.49	9.76
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1913	EA	6" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	156.88	9.76
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1914	EA	6" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	164.22	9.76
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1915	EA	6" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	171.62	9.76
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1916	EA	6" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	181.21	10.27
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1917	EA	6" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	188.55	10.27
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1918	EA	6" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	195.95	10.27
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1919	EA	6" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	205.85	10.92
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1920	EA	6" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	213.24	10.92
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1921	EA	6" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	220.61	10.92
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1922	Satin/Dark Bronze Finish, Brass Mop Plate (08 71 11 00-1863)			
08 71 11 00-1923	EA	4" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	92.34	9.38
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1924	EA	4" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	97.33	9.38
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1925	EA	4" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	102.34	9.38
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1926	EA	4" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	107.32	9.38
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1927	EA	4" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	113.87	9.76	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1928	EA	4" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	118.88	9.76	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1929	EA	4" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	123.90	9.76	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1930	EA	4" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	128.91	9.76	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1931	EA	4" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	136.05	10.27	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1932	EA	4" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	141.06	10.27	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1933	EA	4" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	146.08	10.27	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1934	EA	4" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	153.65	10.92	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1935	EA	4" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	158.66	10.92	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1936	EA	4" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	163.61	10.92	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1937	EA	6" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	119.82	9.38	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1938	EA	6" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	127.37	9.38	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1939	EA	6" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	134.86	9.38	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1940	EA	6" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	156.94	9.38	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1941	EA	6" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	151.37	9.76	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1942	EA	6" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	158.86	9.76	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1943	EA	6" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	166.35	9.76	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1944	EA	6" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	173.84	9.76	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1945	EA	6" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	183.58	10.27	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1946	EA	6" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	191.06	10.27	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1947	EA	6" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	198.55	10.27	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1948	EA	6" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	208.60	10.92	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1949	EA	6" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	216.09	10.92	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1950	EA	6" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	223.58	10.92	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1951	Satin Nickel Finish, Stainless Mop Plate (08 71 11 00-1863)				
08 71 11 00-1952	EA	4" x 22", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	93.30	9.38	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1953	EA	4" x 24", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	98.33	9.38	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1954	EA	4" x 26", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	103.45	9.38	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1955	EA	4" x 28", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	108.54	9.38	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1956	EA	4" x 30", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	115.17	9.76	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

08 71 11 00-1957	EA 4" x 32", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	120.23	9.76
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1958	EA 4" x 34", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	125.32	9.76
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1959	EA 4" x 36", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	130.41	9.76
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1960	EA 4" x 38", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	137.73	10.27
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1961	EA 4" x 40", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	142.79	10.27
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1962	EA 4" x 42", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	147.85	10.27
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1963	EA 4" x 44", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	155.53	10.92
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1964	EA 4" x 46", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	160.62	10.92
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1965	EA 4" x 48", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	165.65	10.92
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1966	EA 6" x 22", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	121.25	9.38
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1967	EA 6" x 24", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	128.87	9.38
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1968	EA 6" x 26", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	136.50	9.38
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1969	EA 6" x 28", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	144.12	9.38
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1970	EA 6" x 30", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	153.28	9.76
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1971	EA 6" x 32", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	160.90	9.76
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1972	EA 6" x 34", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	168.52	9.76
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1973	EA 6" x 36", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	176.17	9.76
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1974	EA 6" x 38", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	185.98	10.27
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1975	EA 6" x 40", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	193.63	10.27
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1976	EA 6" x 42", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	201.26	10.27
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1977	EA 6" x 44", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	211.44	10.92
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1978	EA 6" x 46", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	219.06	10.92
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1979	EA 6" x 48", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	226.71	10.92
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	

08 71 11 00-1980 Stainless Base Material Mop Plate (08 71 11 00-1832)

08 71 11 00-1981 Satin Stainless Finish, Stainless Mop Plate (08 71 11 00-1980)

08 71 11 00-1982	EA 4" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	55.54	9.38
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1983	EA 4" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	57.15	9.38
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1984	EA 4" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	58.82	9.38
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1985	EA 4" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	60.45	9.38
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1986	EA 4" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	63.66	9.76
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1987	EA	4" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	65.33	9.76	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1988	EA	4" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	66.93	9.76	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1989	EA	4" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	68.60	9.76	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1990	EA	4" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	72.43	10.27	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1991	EA	4" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	74.09	10.27	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1992	EA	4" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	75.76	10.27	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1993	EA	4" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	79.93	10.92	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1994	EA	4" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	81.60	10.92	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1995	EA	4" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	83.23	10.92	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1996	EA	6" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	64.56	9.38	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1997	EA	6" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	67.06	9.38	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1998	EA	6" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	69.53	9.38	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1999	EA	6" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	72.03	9.38	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-2000	EA	6" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	76.01	9.76	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-2001	EA	6" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	78.48	9.76	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-2002	EA	6" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	80.98	9.76	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-2003	EA	6" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	83.45	9.76	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-2004	EA	6" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	88.14	10.27	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-2005	EA	6" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	90.58	10.27	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-2006	EA	6" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	93.05	10.27	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-2007	EA	6" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	98.11	10.92	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-2008	EA	6" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	100.55	10.92	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-2009	EA	6" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	103.05	10.92	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-2010		Bright Stainless Finish, Stainless Mop Plate (08 71 11 00-1980)			
08 71 11 00-2011	EA	4" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate.....	77.24	9.38	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-2012	EA	4" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate.....	80.88	9.38	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-2013	EA	4" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate.....	84.53	9.38	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-2014	EA	4" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate.....	88.12	9.38	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-2015	EA	4" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate.....	93.30	9.76	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-2016	EA	4" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate.....	96.92	9.76	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		

08 Openings**08 70 Hardware****08 71 Door Hardware**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 71 11 00-2017	EA	4" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate.....	100.57	9.76
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-2018	EA	4" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate.....	104.21	9.76
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-2019	EA	4" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate.....	109.99	10.27
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-2020	EA	4" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate.....	113.64	10.27
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-2021	EA	4" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate.....	117.28	10.27
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-2022	EA	4" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate.....	123.46	10.92
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-2023	EA	4" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate.....	127.11	10.92
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-2024	EA	4" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate.....	130.69	10.92
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-2025	EA	6" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate.....	97.17	9.38
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-2026	EA	6" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate.....	102.67	9.38
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-2027	EA	6" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate.....	108.11	9.38
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-2028	EA	6" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate.....	113.55	9.38
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-2029	EA	6" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate.....	120.50	9.76
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-2030	EA	6" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate.....	125.94	9.76
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-2031	EA	6" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate.....	131.38	9.76
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-2032	EA	6" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate.....	136.83	9.76
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-2033	EA	6" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate.....	144.49	10.27
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-2034	EA	6" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate.....	149.93	10.27
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-2035	EA	6" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate.....	155.37	10.27
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-2036	EA	6" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate.....	163.37	10.92
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-2037	EA	6" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate.....	168.78	10.92
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-2038	EA	6" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate.....	174.22	10.92
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	

08 71 11 00-2039 Plastic Mop Plate (08 71 11 00-1832)

08 71 11 00-2040 Clear Or Black Finish, Plastic Mop Plate (08 71 11 00-2039)

Note: With four beveled edges.

08 71 11 00-2041	EA	4" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate.....	51.64	9.38
		Note: 4 sides beveled.		
08 71 11 00-2042	EA	4" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate.....	52.94	9.38
		Note: 4 sides beveled.		
08 71 11 00-2043	EA	4" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate.....	54.26	9.38
		Note: 4 sides beveled.		
08 71 11 00-2044	EA	4" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate.....	55.55	9.38
		Note: 4 sides beveled.		
08 71 11 00-2045	EA	4" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate.....	58.39	9.76
		Note: 4 sides beveled.		
08 71 11 00-2046	EA	4" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate.....	59.68	9.76
		Note: 4 sides beveled.		
08 71 11 00-2047	EA	4" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate.....	60.97	9.76
		Note: 4 sides beveled.		
08 71 11 00-2048	EA	4" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate.....	62.29	9.76
		Note: 4 sides beveled.		
08 71 11 00-2049	EA	4" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate.....	65.78	10.27
		Note: 4 sides beveled.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2050	EA		4" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	67.07	10.27
08 71 11 00-2051	EA		4" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	68.36	10.27
08 71 11 00-2052	EA		4" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	72.22	10.92
08 71 11 00-2053	EA		4" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	73.54	10.92
08 71 11 00-2054	EA		4" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	74.83	10.92
08 71 11 00-2055	EA		6" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	58.79	9.38
08 71 11 00-2056	EA		6" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	60.75	9.38
08 71 11 00-2057	EA		6" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	62.69	9.38
08 71 11 00-2058	EA		6" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	64.63	9.38
08 71 11 00-2059	EA		6" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	68.14	9.76
08 71 11 00-2060	EA		6" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	70.08	9.76
08 71 11 00-2061	EA		6" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	72.02	9.76
08 71 11 00-2062	EA		6" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	73.96	9.76
08 71 11 00-2063	EA		6" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	78.12	10.27
08 71 11 00-2064	EA		6" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	80.06	10.27
08 71 11 00-2065	EA		6" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	82.00	10.27
08 71 11 00-2066	EA		6" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	86.53	10.92
08 71 11 00-2067	EA		6" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	88.47	10.92
08 71 11 00-2068	EA		6" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	90.41	10.92
08 71 11 00-2069			Armor Door Plate (08 71 11 00-0810) Note: Size ranges of 26" to 48" high, 22" to 48" wide. Ives 8400.		
08 71 11 00-2070	SF		4 to 8 SF, 0.050" Thick, Satin Aluminum Finish, Aluminum Door Armor Plate	30.79	1.61
08 71 11 00-2071	SF		>8 to 16 SF, 0.050" Thick, Satin Aluminum Finish, Aluminum Door Armor Plate	29.38	1.25
08 71 11 00-2072	SF		4 to 8 SF, 0.050" Thick, Satin Stainless Finish, Stainless Door Armor Plate	33.81	1.61
08 71 11 00-2073	SF		>8 to 16 SF, 0.050" Thick, Satin Stainless Finish, Stainless Door Armor Plate	32.40	1.25
08 71 11 00-2074	SF		4 to 8 SF, 0.050" Thick, Bright Stainless Finish, Stainless Door Armor Plate	68.80	1.61
08 71 11 00-2075	SF		>8 to 16 SF, 0.050" Thick, Bright Stainless Finish, Stainless Door Armor Plate	67.39	1.25
08 71 11 00-2076			Pull Handle And Plates (08 71 11 00-0810)		
08 71 11 00-2077			Pull Handle (08 71 11 00-2076)		
08 71 11 00-2078	EA		3/4" Diameter, 6" Center to Center, Aluminum Door Pulls (Ives 8102HD-6)..... <i>For Stainless Steel, Add</i> <i>For Brass, Add</i>	66.93 10.32 14.00	10.59
08 71 11 00-2079	EA		3/4" Diameter, 8" Center to Center, Aluminum Door Pulls (Ives 8102HD-8)..... <i>For Stainless Steel, Add</i> <i>For Brass, Add</i>	70.12 11.66 15.82	10.59
08 71 11 00-2080	EA		3/4" Diameter, 10" Center to Center, Aluminum Door Pulls (Ives 8102HD-10)..... <i>For Stainless Steel, Add</i> <i>For Brass, Add</i>	75.15 13.77 18.69	10.59
08 71 11 00-2081	EA		1" Diameter, 8" Center to Center, Aluminum Door Pulls (Ives 8103HD-8)..... <i>For Stainless Steel, Add</i> <i>For Brass, Add</i>	77.94 14.94 20.28	10.59
08 71 11 00-2082	EA		1" Diameter, 10" Center to Center, Aluminum Door Pulls (Ives 8103HD-10)..... <i>For Stainless Steel, Add</i> <i>For Brass, Add</i>	82.99 17.06 23.16	10.59
08 71 11 00-2083	EA		1" Diameter, 12" Center to Center, Aluminum Door Pulls (Ives 8103HD-12)..... <i>For Stainless Steel, Add</i> <i>For Brass, Add</i>	89.51 19.80 26.88	10.59
08 71 11 00-2084	EA		1" Flattened x 1/2" Round, 6" Center To Center, Aluminum Door Pulls (Ives 8105-6)..... <i>For Stainless Steel, Add</i> <i>For Brass, Add</i>	70.36 11.76 15.96	10.59
08 71 11 00-2085	EA		1" Flattened x 1/2" Round, 8" Center To Center, Aluminum Door Pulls (Ives 8105-8)..... <i>For Stainless Steel, Add</i> <i>For Brass, Add</i>	77.32 14.68 19.93	10.59
08 71 11 00-2086	EA		1" Flattened x 1/2" Round, 10" Center To Center, Aluminum Door Pulls (Ives 8105-10)..... <i>For Stainless Steel, Add</i> <i>For Brass, Add</i>	78.46 15.16 20.58	10.59
08 71 11 00-2087	EA		1" Diameter, 8" Center to Center, Satin Stainless Steel Offset Door Pulls (Ives 8190HD-8) <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i> <i>For Brass, Add</i>	148.74 20.11 18.51	10.59
08 71 11 00-2088	EA		1" Diameter, 10" Center to Center, Satin Stainless Steel Offset Door Pulls (Ives 8190HD-0) <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i> <i>For Brass, Add</i>	153.04 20.92 19.26	10.59
08 71 11 00-2089	EA		1" Diameter, 12" Center to Center, Satin Stainless Steel Offset Door Pulls (Ives 8190HD-2) <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i> <i>For Brass, Add</i>	161.69 22.55 20.76	10.59

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
08 71 11 00-2090	EA 1" Diameter, 18" Center to Center, Satin Stainless Steel Offset Door Pulls (Ives 8190HD-18) <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i> <i>For Brass, Add</i>	211.81 32.03 29.48		10.59	
08 71 11 00-2091	Pull Plate (08 71 11 00-2076)				
08 71 11 00-2092	EA 3-1/2" x 15" Aluminum Pull Plate Door Hardware (Ives 8302) <i>For Stainless Steel, Add</i> <i>For Brass, Add</i>	102.13 41.32 52.53		8.03	
08 71 11 00-2093	EA 4" x 16" Aluminum Pull Plate Door Hardware (Ives 8302) <i>For Stainless Steel, Add</i> <i>For Brass, Add</i>	104.57 42.76 54.36		8.03	
08 71 11 00-2094	EA 6" x 16" Aluminum Pull Plate Door Hardware (Ives 8302) <i>For Stainless Steel, Add</i> <i>For Brass, Add</i>	110.12 46.04 58.52		8.03	
08 71 11 00-2095	EA 7-1/4" x 11" Stainless Steel Vandal Resistant Pull Handle (Ives VR900)..... <i>For Stainless Steel, Add</i> <i>For Brass, Add</i> <i>For Owner Furnished Material, Deduct</i>	402.41 218.49 277.74 -370.32		8.03	
08 71 11 00-2096	Push Bars And Plates (08 71 11 00-0810)				
08 71 11 00-2097	Push Bars (08 71 11 00-2096)				
08 71 11 00-2098	EA 3/8" x 2-1/2" Bronze Push Bar, Rectangular, With Base Plate..... Note: Up to 34" wide, All finishes.	303.81		8.03	
08 71 11 00-2099	EA 3/4" Diameter Stainless Steel Push Bar, Up To 34" Wide..... <i>For Brass Push Bar, Add</i>	269.27 41.27		8.03	
08 71 11 00-2100	EA 1" Diameter Stainless Steel Push Bar, Up To 34" Wide..... <i>For Brass Push Bar, Add</i>	279.22 43.00		8.03	
08 71 11 00-2101	EA 1-1/4" Diameter Stainless Steel Push Bar, Up To 34" Wide <i>For Brass Push Bar, Add</i>	526.35 86.00		8.03	
08 71 11 00-2102	Push Plates (08 71 11 00-2096)				
08 71 11 00-2103	Aluminum Push Plates (08 71 11 00-2102)				
08 71 11 00-2104	Clear Anodized Finish, Aluminum Push Plates (08 71 11 00-2103) Note: Ives 8200 Series.				
08 71 11 00-2105	EA 3" x 12", Clear Anodized Finish, Aluminum Push Plate Door Hardware	49.69		8.03	
08 71 11 00-2106	EA 4" x 16", Clear Anodized Finish, Aluminum Push Plate Door Hardware	49.69		8.03	
08 71 11 00-2107	EA 6" x 16", Clear Anodized Finish, Aluminum Push Plate Door Hardware	49.69		8.03	
08 71 11 00-2108	EA 8" x 16", Clear Anodized Finish, Aluminum Push Plate Door Hardware	54.14		8.03	
08 71 11 00-2109	Stainless Steel Push Plates (08 71 11 00-2102)				
08 71 11 00-2110	Satin Finish, Stainless Steel Push Plates (08 71 11 00-2109) Note: Ives 8200 Series.				
08 71 11 00-2111	EA 3" x 12", Satin Finish, Stainless Steel Push Plate Door Hardware.....	49.69		8.03	
08 71 11 00-2112	EA 4" x 16", Satin Finish, Stainless Steel Push Plate Door Hardware.....	53.11		8.03	
08 71 11 00-2113	EA 6" x 16", Satin Finish, Stainless Steel Push Plate Door Hardware.....	60.93		8.03	
08 71 11 00-2114	EA 8" x 16", Satin Finish, Stainless Steel Push Plate Door Hardware.....	72.50		8.03	
08 71 11 00-2115	Brass Push Plates (08 71 11 00-2102)				
08 71 11 00-2116	Bright/Satin Brass Finish, Brass Push Plates (08 71 11 00-2115) Note: Ives 8200 Series.				
08 71 11 00-2117	EA 3" x 12", Bright/Satin Brass Finish, Brass Push Plate Door Hardware.....	60.14		8.03	
08 71 11 00-2118	EA 4" x 16", Bright/Satin Brass Finish, Brass Push Plate Door Hardware.....	68.93		8.03	
08 71 11 00-2119	EA 6" x 16", Bright/Satin Brass Finish, Brass Push Plate Door Hardware.....	90.10		8.03	
08 71 11 00-2120	EA 8" x 16", Bright/Satin Brass Finish, Brass Push Plate Door Hardware.....	104.00		8.03	
08 71 11 00-2121	Bright/Satin Chrome Finish, Brass Push Plates (08 71 11 00-2115) Note: Ives 8200 Series.				
08 71 11 00-2122	EA 3" x 12", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware	67.17		8.03	
08 71 11 00-2123	EA 4" x 16", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware	74.31		8.03	
08 71 11 00-2124	EA 6" x 16", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware	93.70		8.03	
08 71 11 00-2125	EA 8" x 16", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware	112.82		8.03	
08 71 11 00-2126	Satin/Dark Bronze Finish, Brass Push Plates (08 71 11 00-2115) Note: Ives 8200 Series.				
08 71 11 00-2127	EA 3" x 12", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware	67.17		8.03	
08 71 11 00-2128	EA 4" x 16", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware	74.31		8.03	
08 71 11 00-2129	EA 6" x 16", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware	97.12		8.03	
08 71 11 00-2130	EA 8" x 16", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware	114.72		8.03	
08 71 11 00-2131	Satin Nickel Finish, Brass Push Plates (08 71 11 00-2115) Note: Ives 8200 Series.				
08 71 11 00-2132	EA 3" x 12", Satin Nickel Finish, Brass Push Plate Door Hardware	67.17		8.03	
08 71 11 00-2133	EA 4" x 16", Satin Nickel Finish, Brass Push Plate Door Hardware	76.10		8.03	
08 71 11 00-2134	EA 6" x 16", Satin Nickel Finish, Brass Push Plate Door Hardware	102.54		8.03	
08 71 11 00-2135	EA 8" x 16", Satin Nickel Finish, Brass Push Plate Door Hardware	120.14		8.03	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 71 11 00-2136 Anti-Vandal Pull (08 71 11 00-2096)				
08 71 11 00-2137	EA	Anti-Vandal Pull With Astragal (Trimco 1096HA).....	361.39	16.05
08 71 11 00-2138	EA	Anti-Vandal Pull Without Astragal (Trimco 1097HA).....	361.39	16.05
08 71 11 00-2139 Push Pull Passage Latch Paddles (08 71 11 00-0810)				
08 71 11 00-2140	EA	-7/8" x 1-1/4" x 1-1/4" Lip To Center, Stainless Steel, Push Pull Passage Latch Paddles (Corbin Russwin HP3010-HKPS-630)	381.45	8.03
08 71 11 00-2141 Exit Devices (08 71 11)				
08 71 11 00-2142 Push Bar Exit Device, Von Duprin Series 22 (08 71 11 00-2141)				
Note: Grade 1, BHMA 156.3.				
08 71 11 00-2143	EA	3' Push Bar, Rim Type, Exit Device (Von Duprin Series 22).....	819.27	144.43
Note: Anodized finish: aluminum or dark brown.				
For 4' Push Bar, Add			13.87	
08 71 11 00-2144	EA	3' Push Bar, Fire Rated, Rim Type, Exit Device (Von Duprin Series 22-F).....	905.16	144.43
Note: Anodized finish: aluminum or dark brown.				
For 4' Push Bar, Add			13.87	
08 71 11 00-2145	EA	3' Push Bar, Surface Vertical Rods, Exit Device (Von Duprin Series 2227).....	1,174.35	173.32
Note: Anodized finish: aluminum or dark brown.				
For 4' Push Bar, Add			13.87	
08 71 11 00-2146	EA	3' Push Bar, Fire Rated, Surface Vertical Rods, Exit Device (Von Duprin Series 2227-F).....	1,388.29	160.48
Note: Anodized finish: aluminum or dark brown.				
For 4' Push Bar, Add			13.87	
08 71 11 00-2147	EA	Dummy Trim (Von Duprin Series 22, 210DT).....	112.73	24.07
Note: Anodized finish: aluminum or dark brown.				
08 71 11 00-2148	EA	Night Latch Trim With Cylinder (Von Duprin Series 22, 210NL)	235.93	32.09
Note: Anodized finish: aluminum or dark brown.				
08 71 11 00-2149	EA	Knob Trim With Cylinder (Von Duprin Series 22, 210K)	436.88	48.15
Note: Anodized finish: aluminum or dark brown.				
08 71 11 00-2150	EA	Lever Trim With Cylinder (Von Duprin Series 22, 230L).....	432.92	48.15
Note: Anodized finish: aluminum or dark brown.				
08 71 11 00-2151	EA	Thumbpiece Trim With Cylinder (Von Duprin Series 22, 230TP).....	431.93	48.15
Note: Anodized finish: aluminum or dark brown.				
08 71 11 00-2152	EA	Blank Escutcheon Knob (Von Duprin Series 22, 210K-BE).....	347.28	48.15
Note: Anodized finish: aluminum or dark brown.				
08 71 11 00-2153	EA	Exit Only Trim Plate (Von Duprin Series 22, 230EO).....	140.50	19.26
Note: Anodized finish: aluminum or dark brown.				
08 71 11 00-2154	EA	Dummy Trim (Von Duprin Series 22, 230DT)	163.23	24.07
Note: Anodized finish: aluminum or dark brown.				
08 71 11 00-2155	EA	Night Latch Trim With Cylinder (Von Duprin Series 22, 230NL)	288.42	32.09
Note: Anodized finish: aluminum or dark brown.				
08 71 11 00-2156	EA	Blank Escutcheon Lever (Von Duprin Series 22, 230L-BE).....	343.32	48.15
Note: Anodized finish: aluminum or dark brown.				
08 71 11 00-2157	EA	Blank Escutcheon Thumbpiece (Von Duprin Series 22, 230TP-BE).....	342.33	48.15
Note: Anodized finish: aluminum or dark brown.				
08 71 11 00-2158 Push Bar Exit Device, Narrow Stile, Von Duprin Series 33/35 (08 71 11 00-2141)				
Note: Grade 1, BHMA 156.3. Series 33 has a ribbed case, Series 35 has a smooth case.				
08 71 11 00-2159	EA	3' Push Bar, Rim Type, Narrow Stile Exit Device (Von Duprin Series 33/35)	1,639.39	144.43
Note: Aluminum anodized finish.				
For 4' Push Bar, Add			13.87	
For Duralodic Dark Bronze US313 (BHMA 710) Finish, Add			128.43	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add			121.03	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add			47.66	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add			366.23	
For Accessible Device (AX), Add			125.42	
08 71 11 00-2160	EA	3' Push Bar, Surface Vertical Rods, Narrow Stile Exit Device (Von Duprin Series 3327/3527)	2,225.98	173.32
Note: Aluminum anodized finish.				
For 4' Push Bar, Add			13.87	
For Duralodic Dark Bronze US313 (BHMA 710) Finish, Add			180.61	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add			170.20	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add			67.02	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add			515.02	
For Accessible Device (AX), Add			176.38	
08 71 11 00-2161	EA	3' Push Bar, Fire Rated, Surface Vertical Rods, Narrow Stile Exit Device (Von Duprin Series 3327-F/3527-F).....	2,268.71	173.32
Note: Aluminum anodized finish.				
For 4' Push Bar, Add			13.87	
For Duralodic Dark Bronze US313 (BHMA 710) Finish, Add			184.99	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add			174.33	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add			68.65	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add			527.50	
For Accessible Device (AX), Add			180.65	
08 71 11 00-2162	EA	3' Push Bar, Concealed Vertical Rods, Narrow Stile Exit Device (Von Duprin Series 3347/3547)	2,312.33	199.00
Note: Aluminum anodized finish.				
For 4' Push Bar, Add			13.87	
For Duralodic Dark Bronze US313 (BHMA 710) Finish, Add			182.22	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add			171.72	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add			67.62	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add			519.62	
For Accessible Device (AX), Add			177.95	

08 Openings**08 70 Hardware****08 71 Door Hardware**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 71 11 00-2163	EA	3' Push Bar, Fire Rated, Concealed Vertical Rods, Narrow Stile Exit Device (Von Duprin Series 3347-F/3547-F).....	2,422.57	199.00
		Note: Aluminum anodized finish.		
		For 4' Push Bar, Add	13.87	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	193.51	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	182.36	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	71.81	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	551.81	
		For Accessible Device (AX), Add	188.98	
08 71 11 00-2164	EA	3' Push Bar, Concealed Vertical Rods, Narrow Stile Exit Device (Von Duprin Series 3348/3548)	2,576.67	199.00
		Note: Aluminum anodized finish.		
		For 4' Push Bar, Add	13.87	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	209.29	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	197.23	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	77.67	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	596.81	
		For Accessible Device (AX), Add	204.39	
08 71 11 00-2165	EA	3' Push Bar, Fire Rated, Concealed Vertical Rods, Narrow Stile Exit Device (Von Duprin Series 3348-F/3548-F).....	2,686.91	199.00
		Note: Aluminum anodized finish.		
		For 4' Push Bar, Add	13.87	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	220.58	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	207.87	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	81.86	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	629.00	
		For Accessible Device (AX), Add	215.41	
08 71 11 00-2166	EA	Dummy Trim (Von Duprin Series 33/35, DT)	365.64	24.07
		Note: Anodized finish: aluminum or dark brown.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	29.09	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	11.46	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	88.02	
08 71 11 00-2167	EA	Night Latch With Cylinder, Less Pull (Von Duprin Series 33/35, NL-OP).....	420.36	32.09
		Note: Anodized finish: aluminum or dark brown.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	31.89	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	12.56	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	96.50	
08 71 11 00-2168	EA	Night Latch With Cylinder (Von Duprin Series 33/35, NL).....	670.59	32.09
		Note: Anodized finish: aluminum or dark brown.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	56.04	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	22.07	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	169.57	
08 71 11 00-2169	EA	Lever Trim With Cylinder (Von Duprin Series 33/35, 360L)	688.35	48.15
		Note: Anodized finish: aluminum or dark brown.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	54.04	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	21.28	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	163.51	
08 71 11 00-2170	EA	Blank Escutcheon Lever With Cylinder (Von Duprin Series 33/35, 360L-BE).....	811.91	48.15
		Note: Anodized finish: aluminum or dark brown.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	65.96	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	25.97	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	199.59	
08 71 11 00-2171	EA	Lever Dummy Trim With Cylinder (Von Duprin Series 33/35, 360L-DT)	796.33	48.15
		Note: Anodized finish: aluminum or dark brown.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	64.46	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	25.38	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	195.04	
08 71 11 00-2172	EA	Thumbturn Trim With Cylinder (Von Duprin Series 33/35, 360T).....	803.61	48.15
		Note: Anodized finish: aluminum or dark brown.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	65.16	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	25.66	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	197.16	
08 71 11 00-2173		Recessed Push Bar Exit Device, Von Duprin Series 94/95 (08 71 11 00-2141)		
		Note: Grade 1, BHMA 156.3. Series 9447 has a smooth case, Series 9547 has a grooved case.		
08 71 11 00-2174	EA	3' Push Bar, Concealed Vertical Rods, Exit Device (Von Duprin Series 9447/9547)	2,401.77	199.00
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	173.81	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	181.29	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	289.69	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	592.46	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	186.90	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	274.74	
		For Quiet Electric Latch Retraction (QEL), Add	833.54	
		For Less Bottom Rod (LBR), Deduct	-183.93	
		For Latch Bolt Monitoring Switch (LX), Deduct	-161.31	

08 71 11 00-2175 **Push Bar Exit Device, Von Duprin Series 98/99** (08 71 11 00-2141)
 Note: Grade 1, BHMA 156.3. Series 98 has a smooth case, Series 99 has a grooved case.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2176	EA		3' Push Bar, Rim Type, Exit Device (Von Duprin Series 98/99).....	1,580.74	144.43
			Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	72.93	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	115.97	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	185.31	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	379.00	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	119.56	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	175.75	
			For Standard Baseplate Cylinder Dogging (CD), Add	62.65	
			For Special Center Case Dogging (SD), Add	262.29	
			For Cylinder Dogging Indicator (CI), Add	174.58	
			For Dogging Indicator (DI), Add	160.38	
			For Accessible Device (AX), Add	119.56	
			For Quiet Electric Latch Retraction (QEL), Add	833.54	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	81.03	
			For Safety Glow Touchpad, Add	292.35	
08 71 11 00-2177	EA		3' Push Bar, Fire Rated, Rim Type, Exit Device (Von Duprin Series 98-F/99-F)	1,789.87	144.43
			Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	85.69	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	136.26	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	217.73	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	445.29	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	140.47	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	206.49	
			For Accessible Device (AX), Add	140.47	
			For Quiet Electric Latch Retraction (QEL), Add	833.54	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	81.03	
			For Safety Glow Touchpad, Add	292.35	
08 71 11 00-2178	EA		3' Push Bar, Rim Type, Exit Device (Von Duprin Series XP98/XP99)	1,435.06	144.43
			Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	64.04	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	101.84	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	162.73	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	332.82	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	104.99	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	154.33	
			For Standard Baseplate Cylinder Dogging (CD), Add	62.65	
			For Special Center Case Dogging (SD), Add	262.29	
			For Cylinder Dogging Indicator (CI), Add	174.58	
			For Dogging Indicator (DI), Add	160.38	
			For Accessible Device (AX), Add	104.99	
			For Quiet Electric Latch Retraction (QEL), Add	833.54	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	81.03	
			For Safety Glow Touchpad, Add	292.35	
08 71 11 00-2179	EA		3' Push Bar, Fire Rated, Rim Type, Exit Device (Von Duprin Series XP98-F/XP99-F)	1,595.51	144.43
			Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	73.83	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	117.40	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	187.60	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	383.68	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	121.03	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	177.92	
			For Accessible Device (AX), Add	121.03	
			For Quiet Electric Latch Retraction (QEL), Add	833.54	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	81.03	
			For Safety Glow Touchpad, Add	292.35	
08 71 11 00-2180	EA		3' Push Bar, Surface Vertical Rods, Exit Device (Von Duprin Series 9827/9927).....	2,247.36	173.32
			Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	108.89	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	173.16	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	276.70	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	565.90	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	178.52	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	262.42	
			For Standard Baseplate Cylinder Dogging (CD), Add	62.65	
			For Special Center Case Dogging (SD), Add	262.29	
			For Cylinder Dogging Indicator (CI), Add	174.58	
			For Dogging Indicator (DI), Add	160.38	
			For Accessible Device (AX), Add	178.52	
			For Quiet Electric Latch Retraction (QEL), Add	833.54	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	81.03	
			For Safety Glow Touchpad, Add	292.35	
08 71 11 00-2181	EA		3' Push Bar, Fire Rated, Surface Vertical Rods, Exit Device (Von Duprin Series 9827-F/9927-F)	2,530.82	173.32
			Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	126.19	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	200.66	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	320.64	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	655.75	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	206.86	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	304.09	
			For Accessible Device (AX), Add	206.86	
			For Quiet Electric Latch Retraction (QEL), Add	833.54	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	81.03	
			For Safety Glow Touchpad, Add	292.35	

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 11 00-2182	EA	3' Push Bar, Concealed Vertical Rods, Exit Device (Von Duprin Series 9847/9947).....	2,364.58	199.00
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For Duralodic Dark Bronze US313 (BHMA 710) Finish, Add	170.35	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	177.68	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	283.92	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	580.67	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	183.18	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	269.27	
		For Standard Baseplate Cylinder Dogging (CD), Add	62.65	
		For Special Center Case Dogging (SD), Add	262.29	
		For Cylinder Dogging Indicator (CI), Add	174.58	
		For Dogging Indicator (DI), Add	160.38	
		For Accessible Device (AX), Add	183.18	
		For Quiet Electric Latch Retraction (QEL), Add	833.54	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	81.03	
		For Safety Glow Touchpad, Add	292.35	
08 71 11 00-2183	EA	3' Push Bar, Fire Rated, Concealed Vertical Rods, Exit Device (Von Duprin Series 9847-F/9947-F).....	2,654.34	199.00
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For Duralodic Dark Bronze US313 (BHMA 710) Finish, Add	197.30	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	205.79	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	328.84	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	672.53	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	212.15	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	311.86	
		For Accessible Device (AX), Add	212.15	
		For Quiet Electric Latch Retraction (QEL), Add	833.54	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	81.03	
		For Safety Glow Touchpad, Add	292.35	
08 71 11 00-2184	EA	3' Push Bar, Concealed Vertical Rods, Exit Device (Von Duprin Series 9848/9948).....	2,660.63	199.00
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For Duralodic Dark Bronze US313 (BHMA 710) Finish, Add	197.89	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	206.40	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	329.81	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	674.52	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	212.78	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	312.79	
		For Standard Baseplate Cylinder Dogging (CD), Add	62.65	
		For Special Center Case Dogging (SD), Add	262.29	
		For Cylinder Dogging Indicator (CI), Add	174.58	
		For Dogging Indicator (DI), Add	160.38	
		For Accessible Device (AX), Add	212.78	
		For Quiet Electric Latch Retraction (QEL), Add	833.54	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	81.03	
		For Safety Glow Touchpad, Add	292.35	
08 71 11 00-2185	EA	3' Push Bar, Fire Rated, Concealed Vertical Rods, Exit Device (Von Duprin Series 9848-F/9948-F).....	2,433.51	199.00
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For Duralodic Dark Bronze US313 (BHMA 710) Finish, Add	176.77	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	184.37	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	294.61	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	602.52	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	190.07	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	279.40	
		For Accessible Device (AX), Add	190.07	
		For Quiet Electric Latch Retraction (QEL), Add	833.54	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	81.03	
		For Safety Glow Touchpad, Add	292.35	
08 71 11 00-2186	EA	3' Push Bar, Concealed Vertical Rods, Exit Device For Wood Door (Von Duprin Series 9847WDC/9947WDC)	2,138.35	199.00
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For Duralodic Dark Bronze US313 (BHMA 710) Finish, Add	149.32	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	155.74	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	248.86	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	508.96	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	160.55	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	236.01	
		For Standard Baseplate Cylinder Dogging (CD), Add	62.65	
		For Special Center Case Dogging (SD), Add	262.29	
		For Cylinder Dogging Indicator (CI), Add	174.58	
		For Dogging Indicator (DI), Add	160.38	
		For Accessible Device (AX), Add	160.55	
		For Quiet Electric Latch Retraction (QEL), Add	833.54	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	81.03	
		For Safety Glow Touchpad, Add	292.35	
08 71 11 00-2187	EA	3' Push Bar, Fire Rated, Concealed Vertical Rods, Exit Device For Wood Door (Von Duprin Series 9847WDC-F/9947WDC-F)	2,394.88	199.00
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For Duralodic Dark Bronze US313 (BHMA 710) Finish, Add	173.17	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	180.62	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	288.62	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	590.28	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	186.21	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	273.72	
		For Accessible Device (AX), Add	186.21	
		For Quiet Electric Latch Retraction (QEL), Add	833.54	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	81.03	
		For Safety Glow Touchpad, Add	292.35	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2188	EA		3' Push Bar, Surface Mount, Three Point Latch, Exit Device (Von Duprin Series 9857/9957).....	2,299.51	173.32
			Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	112.08	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	178.22	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	284.78	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	582.43	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	183.73	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	270.08	
			For Standard Baseplate Cylinder Dogging (CD), Add	62.65	
			For Special Center Case Dogging (SD), Add	262.29	
			For Cylinder Dogging Indicator (CI), Add	174.58	
			For Dogging Indicator (DI), Add	160.38	
			For Accessible Device (AX), Add	183.73	
			For Quiet Electric Latch Retraction (QEL), Add	833.54	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	81.03	
			For Safety Glow Touchpad, Add	292.35	
08 71 11 00-2189	EA		3' Push Bar, Fire Rated, Surface Mount, Three Point Latch, Exit Device (Von Duprin Series 9857-F/9957-F)	2,447.09	173.32
			Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	121.08	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	192.53	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	307.66	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	629.21	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	198.49	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	291.78	
			For Standard Baseplate Cylinder Dogging (CD), Add	62.65	
			For Special Center Case Dogging (SD), Add	262.29	
			For Cylinder Dogging Indicator (CI), Add	174.58	
			For Dogging Indicator (DI), Add	160.38	
			For Accessible Device (AX), Add	198.49	
			For Quiet Electric Latch Retraction (QEL), Add	833.54	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	81.03	
			For Safety Glow Touchpad, Add	292.35	
08 71 11 00-2190	EA		3' Push Bar, Mortise Lock, Exit Device (Von Duprin Series 9875/9975).....	2,228.82	179.75
			Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	64.65	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	169.49	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	270.84	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	553.92	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	174.74	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	256.86	
			For Standard Baseplate Cylinder Dogging (CD), Add	62.65	
			For Special Center Case Dogging (SD), Add	262.29	
			For Cylinder Dogging Indicator (CI), Add	174.58	
			For Dogging Indicator (DI), Add	160.38	
			For Accessible Device (AX), Add	174.74	
			For Quiet Electric Latch Retraction (QEL), Add	833.54	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	81.03	
			For Safety Glow Touchpad, Add	292.35	
08 71 11 00-2191	EA		3' Push Bar, Fire Rated, Mortise Lock, Exit Device (Von Duprin Series 9875-F/9975-F).....	2,441.71	179.75
			Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	72.53	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	190.15	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	303.84	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	621.40	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	196.03	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	288.16	
			For Accessible Device (AX), Add	196.03	
			For Quiet Electric Latch Retraction (QEL), Add	833.54	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	81.03	
			For Safety Glow Touchpad, Add	292.35	
08 71 11 00-2192	EA		3' Push Bar, Concealed Vertical Cable, Exit Device (Von Duprin Series 9849/9949).....	2,043.26	199.00
			Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	140.47	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	146.51	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	234.12	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	478.81	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	151.05	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	222.04	
			For Standard Baseplate Cylinder Dogging (CD), Add	62.65	
			For Special Center Case Dogging (SD), Add	262.29	
			For Cylinder Dogging Indicator (CI), Add	174.58	
			For Dogging Indicator (DI), Add	160.38	
			For Accessible Device (AX), Add	151.05	
			For Quiet Electric Latch Retraction (QEL), Add	833.54	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	81.03	
			For Safety Glow Touchpad, Add	292.35	

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 11 00-2193	EA	3' Push Bar, Fire Rated, Concealed Vertical Cable, Exit Device(Von Duprin Series 9849-F/9949-F).....	2,209.65	199.00
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	155.95	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	162.65	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	259.91	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	531.56	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	167.68	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	246.50	
		For Standard Baseplate Cylinder Dogging (CD), Add	62.65	
		For Special Center Case Dogging (SD), Add	262.29	
		For Cylinder Dogging Indicator (CI), Add	174.58	
		For Dogging Indicator (DI), Add	160.38	
		For Accessible Device (AX), Add	167.68	
		For Quiet Electric Latch Retraction (QEL), Add	833.54	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	81.03	
		For Safety Glow Touchpad, Add	292.35	
08 71 11 00-2194	EA	3' Push Bar, Concealed Vertical Cable, Exit Device For Wood Door (Von Duprin Series 9849WDC/9949WDC)	2,215.60	199.00
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	156.50	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	163.23	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	260.83	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	533.44	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	168.28	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	247.37	
		For Standard Baseplate Cylinder Dogging (CD), Add	62.65	
		For Special Center Case Dogging (SD), Add	262.29	
		For Cylinder Dogging Indicator (CI), Add	174.58	
		For Dogging Indicator (DI), Add	160.38	
		For Accessible Device (AX), Add	168.28	
		For Quiet Electric Latch Retraction (QEL), Add	833.54	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	81.03	
		For Safety Glow Touchpad, Add	292.35	
08 71 11 00-2195	EA	3' Push Bar, Fire Rated, Concealed Vertical Cable, Exit Device For Wood Door (Von Duprin Series 9849WDC-F/9949WDC-F)	2,512.74	199.00
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	184.13	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	192.05	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	306.89	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	627.64	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	197.99	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	291.05	
		For Standard Baseplate Cylinder Dogging (CD), Add	62.65	
		For Special Center Case Dogging (SD), Add	262.29	
		For Cylinder Dogging Indicator (CI), Add	174.58	
		For Dogging Indicator (DI), Add	160.38	
		For Accessible Device (AX), Add	197.99	
		For Quiet Electric Latch Retraction (QEL), Add	833.54	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	81.03	
		For Safety Glow Touchpad, Add	292.35	
08 71 11 00-2196	EA	3' Push Bar, Chexit Delayed Egress, Exit Device (Von Duprin Series CX98/CX99)	3,476.67	166.90
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	469.23	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	959.66	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	302.73	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	112.62	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	126.54	
		For Center Case Dogging (CD-CX), Add	283.16	
		For Accessible Device (AX), Add	302.73	
		For Quiet Electric Latch Retraction (QEL), Add	833.54	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	81.03	
		For Safety Glow Touchpad, Add	292.35	
08 71 11 00-2197	EA	3' Push Bar, Mortise Chexit Delayed Egress, Exit Device (Von Duprin Series CX98-F/CX99-F).....	3,685.80	166.90
		Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	501.65	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	1,025.95	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	323.65	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	120.40	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	135.28	
		For Accessible Device (AX), Add	323.65	
		For Quiet Electric Latch Retraction (QEL), Add	833.54	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	81.03	
		For Safety Glow Touchpad, Add	292.35	
08 71 11 00-2198	EA	3' Push Bar, Mortise Chexit Delayed Egress, Exit Device (Von Duprin Series CX9875/CX9975)	4,137.60	205.42
		Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	554.76	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	1,134.58	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	357.91	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	133.14	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	149.61	
		For Center Case Dogging (CD-CX), Add	283.16	
		For Accessible Device (AX), Add	357.91	
		For Quiet Electric Latch Retraction (QEL), Add	833.54	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	81.03	
		For Safety Glow Touchpad, Add	292.35	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2199	EA		3' Push Bar, Fire Rated, Mortise Chexit Delayed Egress, Exit Device (Von Duprin Series CX9875-F/CX9975-F).....	4,350.51	205.42
			Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	587.76	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	1,202.07	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	379.20	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	141.06	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	158.51	
			For Accessible Device (AX), Add	379.20	
			For Quiet Electric Latch Retraction (QEL), Add	833.54	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	81.03	
			For Safety Glow Touchpad, Add	292.35	
08 71 11 00-2200	EA		3' Push Bar, Electric Latch Retraction, Exit Device (Von Duprin Series E98/E99).....	2,242.07	166.90
			Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	277.87	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	568.29	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	179.27	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	66.69	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	102.90	
			For Standard Baseplate Cylinder Dogging (CD), Add	62.65	
			For Special Center Case Dogging (SD), Add	262.29	
			For Dogging Indicator (DI), Add	160.38	
			For Accessible Device (AX), Add	179.27	
			For Quiet Electric Latch Retraction (QEL), Add	833.54	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	81.03	
			For Safety Glow Touchpad, Add	292.35	
08 71 11 00-2201	EA		3' Push Bar, Fire Rated, Electric Latch Retraction, Exit Device (Von Duprin Series E98-F/E99-F)	2,451.20	166.90
			Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	310.29	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	634.59	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	200.19	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	74.47	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	114.91	
			For Accessible Device (AX), Add	200.19	
			For Quiet Electric Latch Retraction (QEL), Add	833.54	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	81.03	
			For Safety Glow Touchpad, Add	292.35	
08 71 11 00-2202	EA		3' Push Bar, Mortise Electric Latch Retraction, Exit Device (Von Duprin Series E9875/E9975)	2,903.00	205.42
			Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	363.40	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	743.21	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	234.45	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	87.22	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	134.58	
			For Standard Baseplate Cylinder Dogging (CD), Add	62.65	
			For Special Center Case Dogging (SD), Add	262.29	
			For Dogging Indicator (DI), Add	160.38	
			For Accessible Device (AX), Add	234.45	
			For Quiet Electric Latch Retraction (QEL), Add	833.54	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	81.03	
			For Safety Glow Touchpad, Add	292.35	
08 71 11 00-2203	EA		3' Push Bar, Fire Rated, Mortise Electric Latch Retraction, Exit Device (Von Duprin Series E9875-F/E9975-F).....	3,115.89	205.42
			Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	396.40	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	810.70	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	255.74	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	95.14	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	146.80	
			For Accessible Device (AX), Add	255.74	
			For Quiet Electric Latch Retraction (QEL), Add	833.54	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	81.03	
			For Safety Glow Touchpad, Add	292.35	
08 71 11 00-2204	EA		Exit Only Trim Plate (Von Duprin Series 98/99, EO).....	185.23	19.26
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	4.02	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	6.02	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	22.76	
08 71 11 00-2205	EA		Dummy Trim (Von Duprin Series 98/99, 990DT)	272.43	24.07
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	6.25	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	9.37	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	35.40	
08 71 11 00-2206	EA		Night Latch Pull Trim With 110NL Cylinder (Von Duprin Series 98/99, 990NL).....	402.58	32.09
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	9.38	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	14.07	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	53.16	
08 71 11 00-2207	EA		Night Latch Pull Trim Without Cylinder (Von Duprin Series 98/99, 990NL)	312.98	32.09
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	6.69	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	10.04	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	37.93	
08 71 11 00-2208	EA		Lever Trim With 110NL Cylinder (Von Duprin Series 98/99, 996L).....	699.27	48.15
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	17.13	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	25.69	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	97.05	
			For Electric Unlocking (E), Add	727.15	

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 11 00-2209	EA	Lever Trim Without Cylinder (Von Duprin Series 98/99, 996L) Note: Satin chrome plated US26D (BHMA 626) finish. For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Electric Unlocking (E), Add	609.68 14.44 21.66 81.82 727.15	48.15
08 71 11 00-2210	EA	Blank Escutcheon, Lever ((Von Duprin Series 98/99, 996L-BE)..... Note: Satin chrome plated US26D (BHMA 626) finish. For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	609.68 14.44 21.66 81.82	48.15
08 71 11 00-2211	EA	Night Latch, Lever With 110NL Cylinder (Von Duprin Series 98/99, 996L-NL)..... Note: Satin chrome plated US26D (BHMA 626) finish. For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Electric Unlocking (E), Add	593.03 13.94 20.91 78.99 727.15	48.15
08 71 11 00-2212	EA	Night Latch, Lever Without Cylinder (Von Duprin Series 98/99, 996L-NL)..... Note: Satin chrome plated US26D (BHMA 626) finish. For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Electric Unlocking (E), Add	503.43 11.25 16.88 63.76 727.15	48.15
08 71 11 00-2213	EA	Lever Dummy Trim (Von Duprin Series 98/99, 996L-DT))..... Note: Satin chrome plated US26D (BHMA 626) finish. For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	503.43 11.25 16.88 63.76	48.15
08 71 11 00-2214	EA	Knob Trim With 110NL Cylinder (Von Duprin Series 98/99, K)..... Note: Satin chrome plated US26D (BHMA 626) finish. For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	576.04 13.43 20.14 76.10	48.15
08 71 11 00-2215	EA	Knob Trim Without Cylinder (Von Duprin Series 98/99, K) Note: Satin chrome plated US26D (BHMA 626) finish. For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	486.44 10.74 16.11 60.87	48.15
08 71 11 00-2216	EA	Blank Escutcheon, Knob (Von Duprin Series 98/99, K-BE)..... Note: Satin chrome plated US26D (BHMA 626) finish. For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	486.44 10.74 16.11 60.87	48.15
08 71 11 00-2217	EA	Night Latch, Knob With 110NL Cylinder (Von Duprin Series 98/99, K-NL)..... Note: Satin chrome plated US26D (BHMA 626) finish. For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	566.48 13.14 19.71 74.48	48.15
08 71 11 00-2218	EA	Night Latch, Knob Without Cylinder (Von Duprin Series 98/99, K-NL)..... Note: Satin chrome plated US26D (BHMA 626) finish. For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	476.88 10.45 15.68 59.24	48.15
08 71 11 00-2219	EA	Dummy Trim For Knob Without Cylinder (Von Duprin Series 98/99, K-DT)..... Note: Satin chrome plated US26D (BHMA 626) finish. For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	476.88 10.45 15.68 59.24	48.15
08 71 11 00-2220	EA	Thumbpiece Trim With 110NL Cylinder (Von Duprin Series 98/99, TP) Note: Satin chrome plated US26D (BHMA 626) finish. For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	514.41 11.58 17.37 65.62	48.15
08 71 11 00-2221	EA	Thumbpiece Trim Without Cylinder (Von Duprin Series 98/99, TP)..... Note: Satin chrome plated US26D (BHMA 626) finish. For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	424.81 8.89 13.34 50.39	48.15
08 71 11 00-2222	EA	Blank Escutcheon, Thumbpiece (Von Duprin Series 98/99, T-BE)..... Note: Satin chrome plated US26D (BHMA 626) finish. For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	424.81 8.89 13.34 50.39	48.15
08 71 11 00-2223	EA	Push/Pull Hospital Latch Trim With 110NL Cylinder (Von Duprin Series 98/99, HL) Note: Satin chrome plated US26D (BHMA 626) finish. For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	424.59 8.89 13.33 50.35	48.15

08 71 11 00-2224 Option And Kits For Series 22, 33, 35, 98 Or 99 (08 71 11 00-2141)

08 71 11 00-2225	EA	Alarm Kit With Switch And 9 Volt Battery Back-up.....	991.06	48.15
08 71 11 00-2226	EA	4 Amperes Output Current, 12-24 Volt DC, Power Supply (Von Duprin PS914)..... For Battery Backup (Includes Board And 2 Batteries), Add For Fire Alarm Interface, Add For 2 Relay Panic Device Control Board, Add For 2 Relay Quiet Electric Latch Panic Device Control Board, Add For 4 Relay Output Board, Add For 4 Relay Logic Board, Add For Fused 8 Zone Distribution Board, Add	847.49 60.98 30.49 70.74 82.93 68.30 187.32 24.39	48.15
08 71 11 00-2227	EA	Jamb Mounted Concealed Electric Power Transfer (Von Duprin EPT-10).....	650.59	48.15

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2228	EA	2 Amperes Output Current, 12/24 Volt DC, Power Supply (Von Duprin PS902)..... <i>For Battery Backup (Includes Board And 2 Batteries), Add</i> <i>For Fire Alarm Interface, Add</i> <i>For 2 Relay Quiet Electric Latch Panic Device Control Board, Add</i> <i>For 4 Relay Output Board, Add</i> <i>For 4 Relay Logic Board, Add</i> <i>For Fused 8 Zone Distribution Board, Add</i>	411.39 60.98 30.49 82.93 68.30 187.32 24.39	48.15
08 71 11 00-2229	EA	4 Amperes Output Current, 12/24 Volt DC, Power Supply (Von Duprin PS904)..... <i>For Battery Backup (Includes Board And 2 Batteries), Add</i> <i>For Fire Alarm Interface, Add</i> <i>For 2 Relay Quiet Electric Latch Panic Device Control Board, Add</i> <i>For 4 Relay Output Board, Add</i> <i>For 4 Relay Logic Board, Add</i> <i>For Fused 8 Zone Distribution Board, Add</i>	661.82 60.98 30.49 82.93 68.30 187.32 24.39	48.15
08 71 11 00-2230	EA	6 Amperes Output Current, 12-24 Volt DC, Power Supply (Von Duprin PS906)	994.13	48.79
		<i>For Owner Furnished Material, Deduct</i>	-865.74	
08 71 11 00-2231	EA	4 Amperes (3 Amperes Wet) Output Current, 12-24 Volt DC, Power Supply (Von Duprin PS914 x 900-2RS)	999.36	48.79
		<i>For Owner Furnished Material, Deduct</i>	-870.97	
08 71 11 00-2232	EA	Request to Exit Push Pad Monitor Switch (RX)	236.00	32.09
08 71 11 00-2233	EA	EL Conversion Kit, Electric Latch Retraction (Von Duprin)	1,073.25	
		Note: For Von Duprin Series 33A/35A/98/99 Exit Device		
08 71 11 00-2234 Removable Verticals, Mullions (Von Duprin) (08 71 11 00-2141)				
08 71 11 00-2235	EA	7'-2" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin 4954-72)	584.00	32.09
		Note: For use with Von Duprin Panic rim devices.		
		<i>For Owner Furnished Material, Deduct</i>	-455.61	
08 71 11 00-2236	EA	8'-2" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin 4954-82)	619.66	32.09
		Note: For use with Von Duprin Panic rim devices.		
		<i>For Owner Furnished Material, Deduct</i>	-491.27	
08 71 11 00-2237	EA	10'-2" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin 4954-102)	1,004.26	32.09
		Note: For use with Von Duprin Panic rim devices.		
		<i>For Owner Furnished Material, Deduct</i>	-875.87	
08 71 11 00-2238	EA	7'-6" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin KR4954-76)	990.01	38.52
		Note: For use with Von Duprin Panic rim devices.		
		<i>For Owner Furnished Material, Deduct</i>	-835.95	
08 71 11 00-2239	EA	8'-6" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin KR4954-86)	1,025.66	38.52
		Note: For use with Von Duprin Panic rim devices.		
		<i>For Owner Furnished Material, Deduct</i>	-871.60	
08 71 11 00-2240	EA	10'-6" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin KR4954-106)	1,103.91	38.52
		Note: For use with Von Duprin Panic rim devices.		
		<i>For Owner Furnished Material, Deduct</i>	-949.85	
08 71 11 00-2241	EA	7'-3" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin 9954-73).....	1,025.37	32.09
		Note: For use with Von Duprin Panic rim devices.		
		<i>For Owner Furnished Material, Deduct</i>	-896.98	
08 71 11 00-2242	EA	8'-3" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin 9954-83).....	1,071.99	32.09
		Note: For use with Von Duprin Panic rim devices.		
		<i>For Owner Furnished Material, Deduct</i>	-943.60	
08 71 11 00-2243	EA	10'-3" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin 9954-103).....	1,166.47	32.09
		Note: For use with Von Duprin Panic rim devices.		
		<i>For Owner Furnished Material, Deduct</i>	-1,038.08	
08 71 11 00-2244	EA	7'-5" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin KR9954-75).....	1,583.94	38.52
		Note: For use with Von Duprin Panic rim devices.		
		<i>For Owner Furnished Material, Deduct</i>	-1,429.88	
08 71 11 00-2245	EA	8'-5" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin KR9954-85).....	1,630.56	38.52
		Note: For use with Von Duprin Panic rim devices.		
		<i>For Owner Furnished Material, Deduct</i>	-1,476.50	
08 71 11 00-2246	EA	10'-5" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin KR9954-105).....	3,095.34	38.52
		Note: For use with Von Duprin Panic rim devices.		
		<i>For Owner Furnished Material, Deduct</i>	-2,941.28	
08 71 11 00-2247	EA	Mullion Stabilizer Set (Von Duprin 154)	125.64	25.67
		Note: For use with Von Duprin Panic rim devices.		
		<i>For Owner Furnished Material, Deduct</i>	-74.28	
08 71 11 00-2248 Cross Bar Exit Device, Narrow Stile, Von Duprin Series 55 (08 71 11 00-2141)				
		Note: Grade 1, BHMA 156.3.		
08 71 11 00-2249	EA	42" Crossbar Exit Device, Rim Type, Narrow Stile	2,276.95	144.43
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 55.		
		<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	238.36	
		<i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i>	274.31	
		<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	361.33	
		<i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	393.49	
08 71 11 00-2250	EA	42" Crossbar Exit Device, Concealed Vertical Rod, Narrow Stile	2,936.66	199.00
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547.		
		<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	302.89	
		<i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i>	348.56	
		<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	459.14	
		<i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	500.00	
08 71 11 00-2251	EA	42" Crossbar Exit Device, Concealed Vertical Rod, Narrow Stile, Fire Rated	3,205.07	199.00
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547-F.		
		<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	336.70	
		<i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i>	387.48	
		<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	510.40	
		<i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	555.83	

08 Openings**08 70 Hardware****08 71 Door Hardware**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 71 11 00-2252	EA	42" Crossbar Exit Device, Wood Door Concealed Vertical Rod, Narrow Stile	3,003.02	199.00
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547WDC.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	311.25	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	358.18	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	471.81	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	513.80	
08 71 11 00-2253	EA	42" Crossbar Exit Device, Wood Door Concealed Vertical Rod, Narrow Stile, Fire Rated	3,263.51	199.00
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547WDC-F.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	344.07	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	395.95	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	521.56	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	567.99	
08 71 11 00-2254	EA	42" Crossbar Exit Device, Mortise Lock, Narrow Stile	2,286.06	179.75
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5575.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	227.38	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	261.67	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	344.68	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	375.36	
08 71 11 00-2255	EA	42" Crossbar Exit Device, Mortise Lock, Narrow Stile, Fire Rated	2,461.38	179.75
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5575-F.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	249.47	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	287.09	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	378.17	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	411.83	
08 71 11 00-2256	EA	Dummy Trim (DT) Pull Bracket, Von Duprin Series 55	390.06	24.07
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	41.06	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	47.25	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	62.24	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	67.78	
08 71 11 00-2257	EA	Cylinder Assembly, Von Duprin Series 55	181.99	34.02
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	11.61	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	13.36	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	17.59	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	19.16	
08 71 11 00-2258	EA	Night Latch Pull Trim (NL) With Cylinder, Von Duprin Series 55	648.95	34.02
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	70.44	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	81.07	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	106.78	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	116.29	
08 71 11 00-2259	EA	Thumbturn Trim (376T) With Cylinder, Von Duprin Series 55	699.36	48.15
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	71.94	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	82.79	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	109.06	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	118.76	
08 71 11 00-2260	EA	Thumbturn - Blank Escutcheon (376T-BE), Von Duprin Series 55	578.06	48.15
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	56.66	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	65.20	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	85.89	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	93.53	
08 71 11 00-2261	EA	Lever Trim (371L) With Cylinder, Von Duprin Series 55	699.36	48.15
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	71.94	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	82.79	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	109.06	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	118.76	
08 71 11 00-2262	EA	Lever Trim (575L) With Cylinder, Von Duprin Series 55	804.34	48.15
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	85.17	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	98.01	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	129.11	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	140.60	

08 71 11 00-2263 Cross Bar Exit Device, Von Duprin Series 88 (08 71 11 00-2141)

		Note: Grade 1, BHMA 156.3.		
08 71 11 00-2264	EA	42" Crossbar, Rim Type, Exit Device	1,457.84	144.43
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 88.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	33.25	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	34.33	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	292.84	
08 71 11 00-2265	EA	42" Crossbar, Fire Rated, Rim Type, Exit Device	1,694.56	144.43
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 88-F.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	40.59	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	41.90	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	357.46	
08 71 11 00-2266	EA	42" Crossbar, Surface Vertical Rods, Exit Device	1,882.52	173.32
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8827.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	44.03	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	45.45	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	387.75	
08 71 11 00-2267	EA	42" Crossbar, Fire Rated, Surface Vertical Rods, Exit Device	2,394.58	173.32
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8827-F.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	59.90	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	61.84	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	527.54	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2268	EA		42" Crossbar, Concealed Vertical Rods, Exit Device..... Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8847. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	1,824.27 40.04 41.33 352.57	199.00
08 71 11 00-2269	EA		42" Crossbar, Fire Rated, Concealed Vertical Rods, Exit Device Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8847-F. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	2,289.89 54.47 56.23 479.68	199.00
08 71 11 00-2270	EA		42" Crossbar, Mortise Lock, Exit Device Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8875. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	1,947.33 45.44 46.91 400.19	179.75
08 71 11 00-2271	EA		42" Crossbar, Fire Rated, Mortise Lock, Exit Device Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8875-F. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	2,068.17 49.19 50.78 433.17	179.75
08 71 11 00-2272	EA		Dummy Trim (Von Duprin Series 88, DT) Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	220.69 4.85 5.01 42.72	24.07
08 71 11 00-2273	EA		Night Latch Pull Trim With Cylinder (Von Duprin Series 88, NL) Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	344.87 7.91 8.16 69.62	32.09
08 71 11 00-2274	EA		Thumbturn Trim With Cylinder (Von Duprin Series 88, 376T Or 377T) Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	609.76 14.92 15.40 131.41	48.15
08 71 11 00-2275	EA		Lever Trim With Cylinder (Von Duprin Series 88, 373L) Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	570.14 13.69 14.14 120.60	48.15
08 71 11 00-2276	EA		Knob Trim With Cylinder (Von Duprin Series 88, K) Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	428.95 9.32 9.62 82.05	48.15
08 71 11 00-2277	EA		Thumbpiece Trim With Cylinder (Von Duprin Series 88, TP) Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	428.95 9.32 9.62 82.05	48.15
08 71 11 00-2278			Push Bar Exit Device, Precision Hardware Apex 2000 Series (08 71 11 00-2141) Note: Grade 1, BHMA 156.3. Anodized Aluminum Finish.		
08 71 11 00-2279	EA		3' Push Bar Exit Device, Rim Type (Precision Hardware 2100 Series)..... For 4' Push Bar, Add For Owner Furnished Material, Deduct	2,078.27 13.87 -1,693.10	144.43
08 71 11 00-2280	EA		3' Push Bar Exit Device, Rim Type, Fire Rated (Precision Hardware 2100 Series)..... For 4' Push Bar, Add For Owner Furnished Material, Deduct	2,194.60 13.87 -1,809.43	144.43
08 71 11 00-2281	EA		3' Push Bar Exit Device, Surface Vertical Rod (Top Only) (Precision Hardware 2200 Series) For 4' Push Bar, Add For Owner Furnished Material, Deduct	2,851.82 13.87 -2,389.62	173.32
08 71 11 00-2282	EA		3' Push Bar Exit Device, Surface Vertical Rod (Top Only), Fire Rated (Precision Hardware 2200 Series)..... For 4' Push Bar, Add For Owner Furnished Material, Deduct	2,968.16 13.87 -2,505.96	173.32
08 71 11 00-2283	EA		Exit Only, Cover Plate, Lever/Knob Trim (Precision 4901) For Owner Furnished Material, Deduct	253.43 -202.07	19.26
08 71 11 00-2284	EA		Exit Only, Dummy Trim, Lever/Knob Trim (Precision 4902A) For Owner Furnished Material, Deduct	678.05 -613.86	24.07
08 71 11 00-2285	EA		Key Retracts Latchbolt, Lever/Knob Trim (Precision 4903A)..... For Owner Furnished Material, Deduct	742.25 -613.86	48.15
08 71 11 00-2286	EA		Key Controls Lever/Knob, Lever/Knob Trim (Precision 4908A) For Owner Furnished Material, Deduct	895.34 -766.95	48.15
08 71 11 00-2287	EA		Key Controls Lever, Lever/Knob Trim (Precision V4908A) For Owner Furnished Material, Deduct	895.34 -766.95	48.15
08 71 11 00-2288	EA		Lever/Knob Always Active, Lever/Knob Trim (Precision 4914A)..... For Owner Furnished Material, Deduct	895.34 -766.95	48.15
08 71 11 00-2289	EA		Exit Only, Cover Plate, Pull Trim (Precision 1701)..... For Owner Furnished Material, Deduct	186.06 -134.70	19.26
08 71 11 00-2290	EA		Exit Only, Dummy Trim, Pull Trim (Precision 1702A) For Owner Furnished Material, Deduct	397.91 -333.72	24.07
08 71 11 00-2291	EA		Key Retracts Latchbolt, Pull Trim (Precision 1703A)..... For Owner Furnished Material, Deduct	423.59 -333.72	32.09
08 71 11 00-2292	EA		Key Controls Thumb Piece, Pull Trim (Precision 1705A)..... For Owner Furnished Material, Deduct	596.81 -468.42	48.15
08 71 11 00-2293	EA		Thumb Piece Always Active, Pull Trim (Precision 1715A) For Owner Furnished Material, Deduct	596.81 -468.42	48.15

08 Openings**08 70 Hardware****08 71 Door Hardware**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 71 11 00-2294	Push Bar Exit Device, Stanley (08 71 11 00-2141)		
08 71 11 00-2295	EA Electric Rim Device With Lever (Stanley Percision ELR-TS2108 x 4908A).....	3,231.15	
08 71 11 00-2296	Door Closers (08 71 11)		
	Note: Includes standard cover and arm.		
08 71 11 00-2297	EA Surface Mounted Standard Duty Door Closer (LCN 1460 Series).....	507.81	37.23
	For Delayed Action, Add	12.60	
	For AVB (5 Lb. Per Push), Add	6.60	
	For Fusible Link Arm, Add	39.60	
	For Shock Absorbing Arm, Add	19.80	
	For Hold Open Arm, Add	13.80	
	For Plated Brass Finish, Add	101.40	
	For Plated Finish With Clear Coat, Add	127.20	
	For Parallel Arm, Add	22.40	
08 71 11 00-2298	EA Surface Mounted Heavy-Duty Door Closer (LCN 4010/4020/4110 Series)	615.14	37.23
	For Delayed Action, Add	12.60	
	For AVB (5 Lb. Per Push), Add	6.60	
	For Fusible Link Arm, Add	39.60	
	For Shock Absorbing Arm, Add	19.80	
	For Hold Open Arm, Add	13.80	
	For Plated Brass Finish, Add	101.40	
	For Plated Finish With Clear Coat, Add	127.20	
08 71 11 00-2299	EA Surface Mounted Heavy-Duty Door Closer (LCN 4040XP/4041 Series)	632.20	37.23
	For Delayed Action, Add	12.60	
	For AVB (5 Lb. Per Push), Add	6.60	
	For Fusible Link Arm, Add	39.60	
	For Shock Absorbing Arm, Add	19.80	
	For Hold Open Arm, Add	13.80	
	For Plated Brass Finish, Add	101.40	
	For Plated Finish With Clear Coat, Add	127.20	
	For Spring Cush Arm, Add	67.20	
	For Parallel Arm And PA Shoe, Add	22.40	
	For Stainless Steel Finish, Add	145.00	
08 71 11 00-2300	EA Surface Mounted High Security Door Closer With Metal Cover (LCN 4510)	653.56	37.23
	For Delayed Action, Add	12.60	
	For AVB (5 Lb. Per Push), Add	6.60	
	For Fusible Link Arm, Add	39.60	
	For Shock Absorbing Arm, Add	19.80	
	For Hold Open Arm, Add	13.80	
	For Plated Brass Finish, Add	101.40	
	For Plated Finish With Clear Coat, Add	127.20	
08 71 11 00-2301	EA Surface Mounted Standard Duty Door Closer (Norton 8301).....	427.43	37.23
	For Parallel Arm, Add	22.40	
08 71 11 00-2302	EA Surface Mounted Standard Duty Door Closer (Norton 8501).....	431.03	37.23
	For Parallel Arm, Add	22.40	
08 71 11 00-2303	EA Screen Door - Closer	60.29	13.96
08 71 11 00-2304	EA Screen Door - Locking Handle	66.65	20.03
08 71 11 00-2305	Concealed Door Closers (08 71 11)		
08 71 11 00-2306	EA Non-Hold Open, Floor Concealed Door Closer (Rixson 27/28)	1,434.97	110.41
08 71 11 00-2307	EA Selective Hold Open, Floor Concealed Door Closer (Rixson 27/27).....	1,535.56	110.41
08 71 11 00-2308	EA Concealed (In Door) Overhead Door Closer (LCN 3130)	726.81	44.94
	For Hold Open Arm, Add	13.80	
	For Plated Brass Finish, Add	101.40	
	For Plated Finish With Clear Coat, Add	127.20	
08 71 11 00-2309	EA Concealed (In Frame) Overhead Door Closer (LCN 5010).....	785.65	44.94
	For Delayed Action, Add	12.60	
	For Hold Open Arm, Add	13.80	
	For Plated Brass Finish, Add	101.40	
	For Plated Finish With Clear Coat, Add	127.20	
08 71 11 00-2310	Locks And Latches (08 71 11)		
	Note: All locksets are supplied with strike plate, knob, lever or thumb piece, set of 3 keys and include a core. Multi purchase locksets can be keyed alike and to an existing master key (when required). The cost for boring hole or preparing mortise is included with the new door.		
08 71 11 00-2311	Locksmith Services (08 71 11 00-2310)		
08 71 11 00-2312	EA Provide Extra Keys (Above The Three Provided For New Locks) Or Duplicate Keys.....	2.09	
	For >50, Deduct	-0.42	
08 71 11 00-2313	EA Rekey Existing Cylinder To Match Existing Cylinders Or Master Key.....	154.13	
	For >5, Deduct	-15.41	
08 71 11 00-2314	EA Removal And Replacement Of Cylinder With Owner Supplied Cylinder.....	154.13	
	For >5, Deduct	-15.41	
08 71 11 00-2315	EA Removal And Replacement Of Cylinder With New Cylinder	176.44	
	Note: Excludes core.		
	For >5, Deduct	-15.41	
08 71 11 00-2316	EA Open Locked Doors	154.13	
08 71 11 00-2317	EA Install Owner Furnished Cores And Cylinders	64.62	
08 71 11 00-2318	Mortise Locksets And Latchsets (08 71 11 00-2310)		
	Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.13 Grade 1. Levers or knobs.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2319	EA		Passage/Closet F01 Mortise Latchset Note: Both sides always unlocked. For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel US32D (BHMA 630) Finish, Add	859.51 24.13 21.93 36.56 258.09	32.09
08 71 11 00-2320	EA		Bath/Bedroom Privacy F02/F19 Mortise Lockset..... Note: Locked with thumb knob inside. For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel US32D (BHMA 630) Finish, Add	1,021.95 29.49 26.81 44.68 315.43	32.09
08 71 11 00-2321	EA		Entrance/Office F04 Mortise Lockset..... Note: Locked with key outside and thumb knob inside. For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel US32D (BHMA 630) Finish, Add	1,136.86 33.28 30.25 50.42 355.99	32.09
08 71 11 00-2322	EA		Classroom F05 Mortise Lockset Note: Locked with key outside. Inside always unlocked. For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel US32D (BHMA 630) Finish, Add For Security Function (Double Cylinder) With Visual Indicator, Add	1,061.39 30.79 27.99 46.65 329.35 81.32	32.09
08 71 11 00-2323	EA		Storeroom/Closet F07 Mortise Lockset..... Note: Locked with key outside. Inside always unlocked. Fixed outside handle. For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel US32D (BHMA 630) Finish, Add	1,061.39 30.79 27.99 46.65 329.35	32.09
08 71 11 00-2324	EA		Entrance F08 Mortise Lockset..... Note: Locked with key outside and thumb knob inside. For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel US32D (BHMA 630) Finish, Add	1,184.97 34.87 31.70 52.83 372.97	32.09
08 71 11 00-2325	EA		Dormitory/Exit F13 Mortise Lockset..... Note: Locked with key outside and thumb knob inside. For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel US32D (BHMA 630) Finish, Add	1,020.82 29.45 26.77 44.62 315.03	32.09
08 71 11 00-2326			Mortise Locksets And Latchsets (Corbin Russwin) (08 71 11 00-2310) Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.13 Grade 1. Levers or knobs.		
08 71 11 00-2327	EA		Storeroom Mortise Lockset (Corbin Russwin ML2057-LWN)..... Note: Satin Chrome Finish (626)	804.67	32.09
08 71 11 00-2328	EA		Classroom Mortise Lockset (Corbin Russwin ML2055-LWN)..... Note: Satin Chrome Finish (626)	804.78	32.09
08 71 11 00-2329	EA		Office Mortise Lockset (Corbin Russwin ML2051-LWN)..... Note: Satin Chrome Finish (626)	804.78	32.09
08 71 11 00-2330	EA		Privacy Mortise Lockset (Corbin Russwin ML2060)..... Note: Satin Chrome Finish (626)	741.25	32.09
08 71 11 00-2331	EA		Passage Mortise Lockset (Corbin Russwin ML2010-LWN)..... Note: Satin Chrome Finish (626)	725.89	32.09
08 71 11 00-2332			Electrically Controlled Mortise Locksets And Latchsets (Corbin Russwin) (08 71 11 00-2310) Note: Satin chrome plated US 26D (BHMA 626)		
08 71 11 00-2333	EA		Electrically Controlled Mortise Lock - Single Cylinder, Lever (Corbin Russwin ML20906 LWA)..... Note: Satin Chrome Finish (626)	998.59	32.09
08 71 11 00-2334			Locks And Latches (08 71 11 00-2310)		
08 71 11 00-2335			Preassembled Locks And Latches (08 71 11 00-2334) Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.2-1989 Grade 1, with knob handles.		
08 71 11 00-2336	EA		Passage/Closet F36 Pre-Assembled Latchset (Corbin Russwin UT5210) Note: Both sides always unlocked. For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel US32D (BHMA 630) Finish, Add For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add For Grade 2, Deduct	1,819.09 51.68 86.14 608.15 320.44 -670.17	32.09
08 71 11 00-2337	EA		Bath/Bedroom Privacy F37 Pre-Assembled Lockset (Corbin Russwin UT5220)..... Note: Locked with push button inside. For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel US32D (BHMA 630) Finish, Add For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add For Grade 2, Deduct	1,969.71 56.20 93.67 661.32 348.46 -728.76	32.09
08 71 11 00-2338	EA		Entrance/Office F41 Pre-Assembled Lockset (Corbin Russwin UT5261)..... Note: Locked with key outside and push button inside. For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel US32D (BHMA 630) Finish, Add For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add For Grade 2, Deduct	2,239.78 64.30 107.17 756.65 398.69 -833.82	32.09

08 Openings**08 70 Hardware****08 71 Door Hardware**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 71 11 00-2339	EA	Classroom F42 Pre-Assembled Lockset (Corbin Russwin UT5255).....	2,239.78	32.09
		Note: Locked with key outside. Inside always unlocked.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	64.30	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	107.17	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	756.65	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	398.69	
		For Grade 2, Deduct	-833.82	
08 71 11 00-2340	EA	Storeroom/Closet F44 Pre-Assembled Lockset (Corbin Russwin UT5257).....	2,239.78	32.09
		Note: Locked with key outside. Inside always unlocked. Fixed outside handle.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	64.30	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	107.17	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	756.65	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	398.69	
		For Grade 2, Deduct	-833.82	

08 71 11 00-2341 Bored Locks And Latches (08 71 11 00-2334)

Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.2-1989, Grade 1, 6 pins or 7 pins. Levers or knobs.

08 71 11 00-2342	EA	Passage/Closet F75 Bored Latchset	307.81	32.09
		Note: Both sides always unlocked.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	5.38	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	8.97	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	63.34	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	33.37	
		For Grade 2, Deduct	-8.97	
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	3.59	
		For Interchangeable Core, Add	9.45	
08 71 11 00-2343	EA	Bath/Bedroom Privacy F76 Bored Lockset	350.59	32.09
		Note: Locked with push button inside.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	6.67	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	11.11	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	78.44	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	41.33	
		For Grade 2, Deduct	-11.11	
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	4.44	
		For Interchangeable Core, Add	9.45	
08 71 11 00-2344	EA	Entrance/Office F82 Bored Lockset	385.08	32.09
		Note: Locked with key outside and push button inside.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	7.70	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	12.83	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	90.61	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	47.74	
		For Grade 2, Deduct	-12.83	
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	5.13	
		For Interchangeable Core, Add	9.45	
08 71 11 00-2345	EA	Classroom F84 Bored Lockset	385.08	32.09
		Note: Locked with key outside. Inside always unlocked.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	7.70	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	12.83	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	90.61	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	47.74	
		For Grade 2, Deduct	-12.83	
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	5.13	
		For Interchangeable Core, Add	9.45	
08 71 11 00-2346	EA	Storeroom/Closet F86 Bored Lockset	385.08	32.09
		Note: Locked with key outside. Inside always unlocked. Fixed outside handle.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	7.70	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	12.83	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	90.61	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	47.74	
		For Grade 2, Deduct	-12.83	
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	5.13	
		For Interchangeable Core, Add	9.45	
08 71 11 00-2347	EA	Corridor/Dormitory F90 Bored Lockset	385.08	32.09
		Note: Locked with key outside and push button inside.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	7.70	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	12.83	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	90.61	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	47.74	
		For Grade 2, Deduct	-12.83	
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	5.13	
		For Interchangeable Core, Add	9.45	

08 71 11 00-2348 Heavy-Duty Cylinder Lever Locksets (08 71 11 00-2334)

Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.2-1989, Grade 1, 6 pin interchangeable core, 2-3/8" backset. (Corbin Russwin CL 3500).

08 71 11 00-2349	EA	Heavy-Duty Cylindrical, F75 Passage Or Closet Lockset	585.38	32.09
		Note: Satin chrome plated US26D (BHMA 626) - BHMA 156.2-1989, Grade 1(Corbin Russwin CL 3600).		
08 71 11 00-2350	EA	Heavy-Duty Cylindrical, F76 Privacy Bath/Bedroom Lockset	630.29	32.09
		Note: Satin chrome plated US26D (BHMA 626) - BHMA 156.2-1989, Grade 1(Corbin Russwin CL 3600).		
08 71 11 00-2351	EA	Heavy-Duty Cylindrical, F82 Entrance Lockset	691.47	32.09
		Note: Satin chrome plated US26D (BHMA 626) - BHMA 156.2-1989, Grade 1(Corbin Russwin CL 3600).		
08 71 11 00-2352	EA	Heavy-Duty Cylindrical, F84 Classroom Lockset	691.47	32.09
		Note: Satin chrome plated US26D (BHMA 626) - BHMA 156.2-1989, Grade 1(Corbin Russwin CL 3600).		
08 71 11 00-2353	EA	Heavy-Duty Cylindrical, F86 Storeroom Or Closet Lockset	691.47	32.09
		Note: Satin chrome plated US26D (BHMA 626) - BHMA 156.2-1989, Grade 1(Corbin Russwin CL 3600).		
08 71 11 00-2354	EA	Heavy-Duty Cylindrical, F109 Entrance Lockset	691.47	32.09
		Note: Satin chrome plated US26D (BHMA 626) - BHMA 156.2-1989, Grade 1(Corbin Russwin CL 3600).		
08 71 11 00-2355	EA	Heavy-Duty Cylindrical Full Dummy Trim Lockset	548.68	32.09
		Note: Satin chrome plated US26D (BHMA 626) - BHMA 156.2-1989, Grade 1(Corbin Russwin CL 3600).		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 71 11 00-2356		Extra Heavy-Duty Cylinder Lever Locksets (08 71 11 00-2334) Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.2-1989, Grade 1, 6 pin interchangeable core, 2-3/4" backset. (Corbin Russwin CL 3300).		
08 71 11 00-2357	EA	Extra Heavy-Duty Cylindrical, F75 Passage Or Closet Lockset.....	646.30	32.09
08 71 11 00-2358	EA	Extra Heavy-Duty Cylindrical, F76 Privacy Bath/Bedroom Lockset..... Note: Satin chrome plated US26D (BHMA 626) - BHMA 156.2-1989, Grade 1(Corbin Russwin CL 3300).	720.03	32.09
08 71 11 00-2359	EA	Extra Heavy-Duty Cylindrical, F82 Entrance Lockset..... Note: Satin chrome plated US26D (BHMA 626) - BHMA 156.2-1989, Grade 1(Corbin Russwin CL 3300).	781.24	32.09
08 71 11 00-2360	EA	Extra Heavy-Duty Cylindrical, F84 Classroom Lockset..... Note: Satin chrome plated US26D (BHMA 626) - BHMA 156.2-1989, Grade 1(Corbin Russwin CL 3300).	781.24	32.09
08 71 11 00-2361	EA	Extra Heavy-Duty Cylindrical, F86 Storeroom Or Closet Lockset..... Note: Satin chrome plated US26D (BHMA 626) - BHMA 156.2-1989, Grade 1(Corbin Russwin CL 3300).	781.24	32.09
08 71 11 00-2362	EA	Extra Heavy-Duty Cylindrical, F109 Entrance Lockset..... Note: Satin chrome plated US26D (BHMA 626) - BHMA 156.2-1989, Grade 1(Corbin Russwin CL 3300).	781.24	32.09
08 71 11 00-2363	EA	Extra Heavy-Duty Cylindrical, F87 Utility Lockset..... Note: Satin chrome plated US26D (BHMA 626) - BHMA 156.2-1989, Grade 1(Corbin Russwin CL 3300).	842.46	32.09
08 71 11 00-2364	EA	Extra Heavy-Duty Cylindrical Full Dummy Trim Lockset..... Note: Satin chrome plated US26D (BHMA 626) - BHMA 156.2-1989, Grade 1(Corbin Russwin CL 3300).	577.28	32.09
08 71 11 00-2365	EA	Cylinder Lockset, Newport NZD Trim, US26D (Corbin Russwin 3300-NZD-626)..... Note: Satin chrome plated US26D (BHMA 626)	646.65	32.09
08 71 11 00-2366		Electrified Cylinder Lever Locksets (Corbin Russwin) (08 71 11 00-2334) Note: Satin chrome plated US 26D (BHMA 626)		
08 71 11 00-2367	EA	Electrified Lockset (Corbin Russwin CL33905 NZD)..... Note: Satin chrome plated US26D (BHMA 626)	964.39	32.09
08 71 11 00-2368		Locks And Latches (Schlage ND Series) (08 71 11 00-2334) Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.2-1989, Grade 1		
08 71 11 00-2369	EA	Exit Door Lever Set with Exterior Blank Plate, Satin Chrome Finish (Schlage ND25D-RHO)..... For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	574.51 14.35 23.91 9.56	32.09
08 71 11 00-2370	EA	Passage Door Lever Set, Satin Chrome Finish (Schlage ND10S-RHO)..... For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	541.33 13.35 22.25 8.90	32.09
08 71 11 00-2371	EA	Privacy Door Lever Set, Satin Chrome Finish (Schlage ND40S-RHO)..... For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	614.14 15.54 25.89 10.36	32.09
08 71 11 00-2372	EA	Hospital Privacy Door Lever Set, Satin Chrome Finish (Schlage ND44S-RHO)..... For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	600.05 15.11 25.19 10.08	32.09
08 71 11 00-2373	EA	Entrance/Office Door Lever Set, Satin Chrome Finish (Schlage ND50PD-RHO)..... For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	712.01 18.47 30.79 12.31	32.09
08 71 11 00-2374	EA	Entrance Door Lever Set, Satin Chrome Finish (Schlage ND53PD-RHO)..... For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	707.94 18.35 30.58 12.23	32.09
08 71 11 00-2375	EA	Classroom Door Lever Set, Satin Chrome Finish (Schlage ND70D-RHO)..... For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	747.41 19.53 32.56 13.02	32.09
08 71 11 00-2376	EA	Corridor Door Lever Set, Satin Chrome Finish (Schlage ND73D-RHO)..... For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	707.94 18.35 30.58 12.23	32.09
08 71 11 00-2377	EA	Storeroom Door Lever Set, Satin Chrome Finish (Schlage ND80PD-RHO)..... For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	678.81 17.48 29.13 11.65	32.09
08 71 11 00-2378	EA	ND Series 6-Pin Cylinder with "C" Keyway, Satin Chrome (Schlage 23-065 C)..... For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	96.19 1.92 3.21 1.28	
08 71 11 00-2379	EA	Commercial Full Size Interchangeable Core "C" Keyway (Schlage 23-030 C)..... For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	113.27 2.44 4.06 1.62	
08 71 11 00-2380		Other Locks (08 71 11 00-2310) Note: BHMA A156.5.		
08 71 11 00-2381	EA	Steel Exit Lock With Alarm, Single Door Satin Chrome Plated, BHMA E0421.....	1,066.23	166.90
08 71 11 00-2382	EA	Exit Lock With Alarm At Active Leaf And Vertical Rod - Inactive Leaf Rod For Inactive Leaf (Pair Doors) Steel With Satin Chrome Plating BHMA - E0461.....	2,415.33	333.81
08 71 11 00-2383	EA	One Sided Deadbolt For Restroom Or Public Toilet..... Note: No exterior plate.	114.28	
08 71 11 00-2384	EA	Firehose Extinguisher Cabinet Lock.....	101.65	

08	08	Openings
	08 70	Hardware
	08 71	Door Hardware



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 71 11 00-2385			Pushbutton Combination Locks (08 71 11 00-2310)		
08 71 11 00-2386			Mechanical Pushbutton Combination Locks (08 71 11 00-2385) Note: Passage option allows access without using the lock entry code and is activated from the inside with a thumbturn or key. Lockout option disables the lock from the inside so that the entry code cannot be used to gain access.		
08 71 11 00-2387			Mechanical Pushbutton Combination Locks (Kaba® Simplex® 1000 Series) (08 71 11 00-2386) Note: Satin chrome or antique brass finish.		
08 71 11 00-2388	EA		Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock, Knob (Kaba® Simplex® 1011 Series).....	851.84	80.77
			For Bright Chrome Or Bright Brass Finish, Add	17.50	
			For Schlage Core, Add	49.35	
			For Fire Rated, Add	67.52	
08 71 11 00-2389	EA		Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock, Knob (Kaba® Simplex® 1311 Series).....	914.04	80.77
			For Bright Chrome Or Bright Brass Finish, Add	17.50	
			For Schlage Core, Add	49.35	
			For Fire Rated, Add	67.52	
08 71 11 00-2390	EA		Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Knob (Kaba® Simplex® 1021 Series).....	938.92	80.77
			For Bright Chrome Or Bright Brass Finish, Add	17.50	
			For Schlage Core, Add	49.35	
			For Fire Rated, Add	67.52	
08 71 11 00-2391	EA		Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Knob (Kaba® Simplex® 1041 Series).....	1,001.13	80.77
			For Bright Chrome Or Bright Brass Finish, Add	17.50	
			For Schlage Core, Add	49.35	
			For Fire Rated, Add	67.52	
08 71 11 00-2392	EA		Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock, Lever (Kaba® Simplex® L1011 Series).....	957.59	80.77
			For Bright Chrome Or Bright Brass Finish, Add	17.50	
			For Schlage Core, Add	49.35	
			For Fire Rated, Add	67.52	
08 71 11 00-2393	EA		Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock, Lever (Kaba® Simplex® L1031 Series).....	1,019.79	80.77
			For Bright Chrome Or Bright Brass Finish, Add	17.50	
			For Schlage Core, Add	49.35	
			For Fire Rated, Add	67.52	
08 71 11 00-2394	EA		Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® L1021 Series).....	1,044.67	80.77
			For Bright Chrome Or Bright Brass Finish, Add	17.50	
			For Schlage Core, Add	49.35	
			For Fire Rated, Add	67.52	
08 71 11 00-2395	EA		Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® L1041 Series).....	1,106.88	80.77
			For Bright Chrome Or Bright Brass Finish, Add	17.50	
			For Schlage Core, Add	49.35	
			For Fire Rated, Add	67.52	
08 71 11 00-2396			Mechanical Pushbutton Combination Locks (Kaba® Simplex® 5000 Series) (08 71 11 00-2386) Note: ANSI/BHMA Grade 1, Satin chrome finish or black with satin chrome accents.		
08 71 11 00-2397	EA		Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Knob Or Lever (Kaba® Simplex® 5000 Series).....	942.66	80.77
			For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	17.50	
			For Dark Bronze Finish With Brass Accents, Add	70.00	
			For Schlage Core, Add	49.35	
08 71 11 00-2398	EA		Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Knob Or Lever (Kaba® Simplex® 5000 Series).....	992.42	80.77
			For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	17.50	
			For Dark Bronze Finish With Brass Accents, Add	70.00	
			For Schlage Core, Add	49.35	
08 71 11 00-2399	EA		Five Button, Mortise Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series).....	1,091.95	80.77
			For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	17.50	
			For Dark Bronze Finish With Brass Accents, Add	70.00	
			For Schlage Core, Add	49.35	
08 71 11 00-2400	EA		Five Button, Mortise Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series).....	1,129.27	80.77
			For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	17.50	
			For Dark Bronze Finish With Brass Accents, Add	70.00	
			For Schlage Core, Add	49.35	
08 71 11 00-2401	EA		Five Button, Mortise Locking Device With Deadbolt And Lockout, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series).....	1,129.27	80.77
			For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	17.50	
			For Dark Bronze Finish With Brass Accents, Add	70.00	
			For Schlage Core, Add	49.35	
08 71 11 00-2402	EA		Five Button, Exit Trim, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series).....	1,067.07	80.77
			For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	17.50	
			For Dark Bronze Finish With Brass Accents, Add	70.00	
			For Schlage Core, Add	49.35	
08 71 11 00-2403			Mechanical Pushbutton Combination Locks (Kaba® Simplex® 8100 Series) (08 71 11 00-2386) Note: Satin chrome or antique brass finish.		

			Openings	08	08
			Hardware	08 70	
			Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2404	EA		Five Button, Mortise Locking Device With Passage And Lockout, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 8100 Series).....	1,137.98	80.77
			<i>For Bright Chrome Or Bright Brass Finish, Add</i>	17.50	
			<i>For Schlage Core, Add</i>	49.35	
08 71 11 00-2405	EA		Five Button, Mortise Locking Device With Deadbolt, Passage And Lockout, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 8100 Series).....	1,175.31	80.77
			<i>For Bright Chrome Or Bright Brass Finish, Add</i>	17.50	
			<i>For Schlage Core, Add</i>	49.35	
08 71 11 00-2406			Mechanical Pushbutton Combination Locks (Kaba® Simplex® LD 450/470) (08 71 11 00-2386) Note: Satin stainless, bright brass or antique brass finish.		
08 71 11 00-2407	EA		Twelve Button, Tubular Latch Locking Device, Light Duty, Mechanical Pushbutton Combination Lock, Knob (Kaba® Simplex® LD 450 Series).....	494.78	80.77
			<i>For Schlage Core, Add</i>	49.35	
08 71 11 00-2408	EA		Twelve Button, Tubular Latch Locking Device With Passage, Light Duty, Mechanical Pushbutton Combination Lock, Lever (Kaba® Simplex® LD 470 Series).....	659.00	80.77
			<i>For Schlage Core, Add</i>	49.35	
08 71 11 00-2409			Electrical Pushbutton Combination Locks (08 71 11 00-2385) Note: Privacy option limits access to privileged users (master codes).		
08 71 11 00-2410			Electrical Pushbutton Combination Locks (Kaba® E-Plex® 2000 Series) (08 71 11 00-2409) Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 100 access codes and 1,000 audit events.		
08 71 11 00-2411	EA		Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series).....	882.94	80.77
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2412	EA		Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series).....	1,032.23	80.77
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2413	EA		Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series).....	1,069.56	80.77
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2414	EA		Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series).....	1,007.35	80.77
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2415	EA		Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series).....	945.15	80.77
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2416	EA		Twelve Button, Cylindrical Locking Device With Privacy, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series).....	1,069.56	80.77
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2417	EA		Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series).....	1,094.44	80.77
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2418	EA		Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series).....	1,131.76	80.77
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2419	EA		Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series).....	1,069.56	80.77
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2420			Narrow Stile Application, Electrical Pushbutton Combination Locks (Kaba® E-Plex® 3000 Series) (08 71 11 00-2409) Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 300 access codes and 9,000 audit events.		
08 71 11 00-2421	EA		Twelve Button, Mortise Locking Device, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3000 Series).....	1,131.76	80.77
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	104.46	
			Note: Excludes momentary contact switch.		
08 71 11 00-2422	EA		Twelve Button, Mortise Locking Device With Deadbolt, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3000 Series).....	1,131.76	80.77
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	104.46	
			Note: Excludes momentary contact switch.		
08 71 11 00-2423			Narrow Stile Application, Electrical Pushbutton Combination Locks (Kaba® E-Plex® 3200 Series) (08 71 11 00-2409) Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 3,000 access codes and 30,000 audit events.		
08 71 11 00-2424	EA		Twelve Button, Mortise Locking Device, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3200 Series).....	1,324.60	80.77
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	104.46	
			Note: Excludes momentary contact switch.		
08 71 11 00-2425	EA		Twelve Button, Mortise Locking Device With Deadbolt, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3200 Series).....	1,324.60	80.77
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	104.46	
			Note: Excludes momentary contact switch.		
08 71 11 00-2426			Electrical Pushbutton Combination Locks (Kaba® E-Plex® 5200 Series) (08 71 11 00-2409) Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 3,000 access codes and 30,000 audit events.		

08 Openings**08 70 Hardware****08 71 Door Hardware**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 71 11 00-2427	EA	Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series).....	1,424.13	80.77
		<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
		<i>For Remote Unlock, Add</i>	104.46	
		<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2428	EA	Twelve Button, Cylindrical Locking Device With Privacy, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series).....	1,548.54	80.77
		<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
		<i>For Remote Unlock, Add</i>	104.46	
		<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2429	EA	Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series).....	1,573.42	80.77
		<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
		<i>For Remote Unlock, Add</i>	104.46	
		<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2430	EA	Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series).....	1,610.74	80.77
		<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
		<i>For Remote Unlock, Add</i>	104.46	
		<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2431	EA	Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series).....	1,548.54	80.77
		<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
		<i>For Remote Unlock, Add</i>	104.46	
		<i>Note: Excludes momentary contact switch.</i>		

08 71 11 00-2432 Electrical Pushbutton Combination Lock/Card Readers (Kaba® E-Plex® 5800 Series)

(08 71 11 00-2409)

Note: ANSI/BHMA Grade 1. Satin chrome or black with satin chrome accents finish. Includes 3,000 access codes and 30,000 audit events.

08 71 11 00-2433	EA	Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series).....	2,015.08	80.77
		<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
		<i>For Remote Unlock, Add</i>	104.46	
		<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2434	EA	Twelve Button, Cylindrical Locking Device With Privacy, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series).....	2,139.49	80.77
		<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
		<i>For Remote Unlock, Add</i>	104.46	
		<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2435	EA	Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series).....	2,164.37	80.77
		<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
		<i>For Remote Unlock, Add</i>	104.46	
		<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2436	EA	Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series).....	2,201.70	80.77
		<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
		<i>For Remote Unlock, Add</i>	104.46	
		<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2437	EA	Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series).....	2,139.49	80.77
		<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
		<i>For Remote Unlock, Add</i>	104.46	
		<i>Note: Excludes momentary contact switch.</i>		

08 71 11 00-2438 Entry/Egress, Electrical Pushbutton Combination Lock/Card Readers (Kaba® E-Plex® 5886 Series)

(08 71 11 00-2409)

Note: ANSI/BHMA Grade 1. Satin chrome or black with satin chrome accents finish. Includes 3,000 access codes and 30,000 audit events.

08 71 11 00-2439	EA	Twelve Button, Mortise Locking Device, Entry/Egress, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5886 Series).....	2,861.07	80.77
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
		<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	35.00	

08 71 11 00-2440 Stand-Alone Access Controller, Electrical Pushbutton Combination Lock/Card Readers (Kaba® E-Plex® 5870 Series)

(08 71 11 00-2409)

Note: ANSI/BHMA Grade 1. Satin chrome or black with satin chrome accents finish. Includes 3,000 access codes and 30,000 audit events.

08 71 11 00-2441	EA	Twelve Button, Stand-Alone Access Controller, Electrical Pushbutton Combination Lock/Card Reader (Kaba® E-Plex® 5870 Series).....	1,797.36	80.77
		<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 71 11 00-2442	Electrical Pushbutton Combination Lock Accessories (Kaba® E-Plex®) (08 71 11 00-2409)	
08 71 11 00-2443	EA Standard Software Implementation Kit (Kaba® E-Plex®).....	880.53
08 71 11 00-2444	EA Enterprise Software Implementation Kit (Kaba® E-Plex®).....	1,129.35
08 71 11 00-2445	EA E-Plex General FIPS Software Implementation Kit (Kaba® E-Plex®).....	1,502.58
08 71 11 00-2446	EA USB FIPS/DESFire Card Reader/Enroller (Kaba® E-Plex®).....	446.49
08 71 11 00-2447	EA High Capacity Battery Kit (Kaba® E-Plex® E5x00 Series).....	136.82
	Note: Includes 4 C-cell battery pack.	
08 71 11 00-2448	EA 12-24 Volt DC Power Interface Kit (Kaba® E-Plex® E5x00 Series).....	162.94
08 71 11 00-2449	Self-Powered, Electrical Pushbutton Combination Locks (Kaba® PowerPlex® 2000 Series) (08 71 11 00-2409)	
	Note: ANSI/BHMA Grade 1. Satin chrome finish.	
08 71 11 00-2450	EA Twelve Button, Cylindrical Locking Device, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series).....	1,100.66
	For Owner Furnished Material, Deduct	-777.57
	For Satin Brass Finish, Add	17.50
08 71 11 00-2451	EA Twelve Button, Mortise Locking Device, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series).....	1,249.95
	For Owner Furnished Material, Deduct	-926.86
	For Satin Brass Finish, Add	17.50
08 71 11 00-2452	EA Twelve Button, Mortise Locking Device With Deadbolt, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series).....	1,287.28
	For Owner Furnished Material, Deduct	-964.19
	For Satin Brass Finish, Add	17.50
08 71 11 00-2453	EA Twelve Button, Exit Trim, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series).....	1,225.07
	For Owner Furnished Material, Deduct	-901.98
	For Satin Brass Finish, Add	17.50
08 71 11 00-2454	EA Twelve Button, Cylindrical Locking Device, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series).....	1,162.86
	For Owner Furnished Material, Deduct	-839.77
	For Satin Brass Finish, Add	17.50
08 71 11 00-2455	EA Twelve Button, Cylindrical Locking Device With Privacy, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series).....	1,287.28
	For Owner Furnished Material, Deduct	-964.19
	For Satin Brass Finish, Add	17.50
08 71 11 00-2456	EA Twelve Button, Mortise Locking Device, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series).....	1,312.16
	For Owner Furnished Material, Deduct	-989.07
	For Satin Brass Finish, Add	17.50
08 71 11 00-2457	EA Twelve Button, Mortise Locking Device With Deadbolt, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series).....	1,349.48
	For Owner Furnished Material, Deduct	-1,026.39
	For Satin Brass Finish, Add	17.50
08 71 11 00-2458	EA Twelve Button, Exit Trim, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series).....	1,287.28
	For Owner Furnished Material, Deduct	-964.19
	For Satin Brass Finish, Add	17.50
08 71 11 00-2459	Electrical Pushbutton Combination Locks (Schlage) (08 71 11 00-2409)	
	Note: ANSI/BHMA Grade 1. Satin chrome finish.	
08 71 11 00-2460	EA Class 100, Cylindrical, Classroom/Storeroom, Keypad, Sparta Lever, Standalone Electronic Lock (Schlage CO100CY70KP626BD-D).....	1,080.03
	For Owner Furnished Material, Deduct	-759.06
08 71 11 00-2461	EA Class 200, Cylindrical, Classroom/Storeroom, Keypad, Sparta Lever, Standalone Electronic Lock (Schlage CO200CY70KP-D).....	1,250.43
	For Owner Furnished Material, Deduct	-929.46
08 71 11 00-2462	EA Class 200, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Standalone Electronic Lock (Schlage CO200CY70MSK626).....	1,410.87
	For Owner Furnished Material, Deduct	-1,089.90
08 71 11 00-2463	EA Class 200, Cylindrical, Classroom/Storeroom, Keypad, Sparta Lever, Standalone Electronic Lock (Schlage AD200CY70KP626).....	1,842.41
	For Owner Furnished Material, Deduct	-1,521.44
08 71 11 00-2464	EA Class 200, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Standalone Electronic Lock (Schlage AD200CY70MKS626).....	2,013.91
	For Owner Furnished Material, Deduct	-1,692.94
08 71 11 00-2465	EA Class 400, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Networked Wireless Electronic Lock (Schlage AD400CY70MSKSPA626).....	2,215.30
	For Owner Furnished Material, Deduct	-1,894.33
08 71 11 00-2466	EA Class 300, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Networked Wireless Electronic Lock (Schlage AD300CY70MSKSPA626).....	2,036.05
	For Owner Furnished Material, Deduct	-1,715.08
08 71 11 00-2467	Residential Locks And Latchsets (08 71 11 00-2310)	
08 71 11 00-2468	EA Residential Entry Lockset With Knobs (Master Keyed).....	94.18
08 71 11 00-2469	EA Residential Privacy Lockset With Knobs.....	92.31
08 71 11 00-2470	EA Residential Passage Lockset With Knobs.....	92.06
08 71 11 00-2471	EA Residential Dummy Lockset With Knobs.....	73.22
08 71 11 00-2472	EA Residential Entry Lockset With Levers (Master Keyed).....	107.10
08 71 11 00-2473	EA Residential Privacy Lockset With Levers.....	102.81
08 71 11 00-2474	EA Residential Passage Lockset With Levers.....	99.70
08 71 11 00-2475	EA Residential Dummy Lockset With Levers.....	74.70

08 Openings**08 70 Hardware****08 71 Door Hardware**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 71 11 00-2476	Deadbolts	(08 71 11 00-2310)		
08 71 11 00-2477	Cylindrical Deadbolts, Grade 1, ANSI 156.5	(08 71 11 00-2476)		
	Note: 2-3/8" or 2-3/4" backset.			
08 71 11 00-2478	EA	Single Cylinder Deadbolt, Key One Side, Knob One Side	216.61	32.09
		Note: Cylindrical, ANSI Grade 1, interchangeable core, bright brass or satin chromium finish.		
		For Bright Chromium Or Oiled Rubbed Bronze Finish, Add	4.20	
08 71 11 00-2479	EA	Double Cylinder Deadbolt, Key Both Sides.....	246.76	32.09
		Note: Cylindrical, ANSI Grade 1, interchangeable core, bright brass or satin chromium finish.		
		For Bright Chromium Or Oiled Rubbed Bronze Finish, Add	4.20	
08 71 11 00-2480	Cylindrical Deadbolts, Grade 2, ANSI 156.5	(08 71 11 00-2476)		
	Note: 2-3/8" or 2-3/4" backset.			
08 71 11 00-2481	EA	Single Cylinder Deadbolt, Key One Side, Knob One Side	195.95	32.09
		Note: Cylindrical, ANSI Grade 2, interchangeable core, bright brass or satin chromium finish.		
		For Bright Chromium Or Oiled Rubbed Bronze Finish, Add	4.20	
08 71 11 00-2482	EA	Double Cylinder Deadbolt, Key Both Sides.....	228.89	32.09
		Note: Cylindrical, ANSI Grade 2, interchangeable core, bright brass or satin chromium finish.		
		For Bright Chromium Or Oiled Rubbed Bronze Finish, Add	4.20	
08 71 11 00-2483	Small Case Mortised Deadbolts, Grade 1, ANSI 156.5	(08 71 11 00-2476)		
	Note: Interchangeable cores with small case size, 4-1/2" x 3-1/2" nominal.			
08 71 11 00-2484	EA	Small Case Mortised Deadbolt, Key One Side, Knob One Side	280.26	32.09
		Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 3-1/2" (nominal).		
08 71 11 00-2485	EA	Small Case Mortised Deadbolt, Key Both Sides	308.17	32.09
		Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 3-1/2" (nominal). Also used for Classroom version.		
08 71 11 00-2486	EA	Small Case Mortised Deadbolt, Key One Side, Cover Plate One Side	274.67	32.09
		Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 3-1/2" (nominal).		
08 71 11 00-2487	Mortised Deadbolts, Grade 1, ANSI 156.5	(08 71 11 00-2476)		
	Note: Interchangeable cores with standard case size, 4-1/2" x 6" nominal.			
08 71 11 00-2488	EA	Mortised Deadbolt, Key One Side, Knob One Side	356.19	32.09
		Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 6" (nominal).		
08 71 11 00-2489	EA	Mortised Deadbolt, Key Both Sides	401.97	32.09
		Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 6" (nominal). Also used for Classroom version.		
08 71 11 00-2490	EA	Mortised Deadbolt, Key One Side, Cover Plate One Side	317.11	32.09
		Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 6" (nominal).		
08 71 11 00-2491	Surface Mounted Deadbolts	(08 71 11 00-2476)		
08 71 11 00-2492	EA	Single Cylinder Surface Mounted Deadbolt	150.97	32.09
		Note: Key one side, knob one side, bright brass finish.		
		For Brushed Chrome Finish, Add	10.50	
08 71 11 00-2493	EA	Double Cylinder Surface Mounted Deadbolt.....	171.14	32.09
		Note: Key both sides, bright brass finish.		
		For Brushed Chrome Finish, Add	10.50	
08 71 11 00-2494	EA	Single Cylinder Surface Mounted Interlocking Deadbolt	187.19	32.09
		Note: Jimmy proof, key one side, knob one side, bright brass finish.		
		For Brushed Chrome Finish, Add	10.50	
08 71 11 00-2495	EA	Double Cylinder Surface Mounted Interlocking Deadbolt.....	207.36	32.09
		Note: Jimmy proof, key both sides, bright brass finish.		
		For Brushed Chrome Finish, Add	10.50	
08 71 11 00-2496	Surface Mounted Deadlatches	(08 71 11 00-2310)		
08 71 11 00-2497	EA	Single Cylinder Surface Mounted Deadlatch	152.55	32.09
		Note: Key one side, knob one side, bright brass finish.		
		For Brushed Chrome Finish, Add	10.50	
08 71 11 00-2498	EA	Single Cylinder Surface Mounted Interlocking Deadlatch	187.26	32.09
		Note: Jimmy proof, key one side, knob one side, bright brass finish.		
		For Brushed Chrome Finish, Add	10.50	
08 71 11 00-2499	Electric Strikes	(08 71 11 00-2310)		
08 71 11 00-2500	EA	12/24 Volt DC, Fail Safe/Fail Secure, Aluminum/Steel Body Electric Strike (Von Duprin 5100)	394.64	64.19
08 71 11 00-2501	EA	12/24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6111)	1,156.10	64.19
		Note: For rim mounted lock		
08 71 11 00-2502	EA	12/24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6112)	1,104.57	64.19
		Note: For rim mounted lock		
08 71 11 00-2503	EA	24 Volt DC, Fail Secure, Stainless Steel Body Electric Strike (Von Duprin 6211)	851.40	64.19
		Note: For mortise or cylindrical locks		
08 71 11 00-2504	EA	24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6212)	1,161.59	64.19
		Note: For mortise or cylindrical locks		
08 71 11 00-2505	EA	24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6213)	1,139.23	64.19
		Note: For mortise or cylindrical locks		
08 71 11 00-2506	EA	24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6214)	1,242.38	64.19
		Note: For mortise or cylindrical locks		
08 71 11 00-2507	EA	24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6215)	1,157.03	64.19
		Note: For mortise or cylindrical locks		
08 71 11 00-2508	EA	12/24 Volt DC, 2,500 Lb. Static Strength, Stainless Steel Body, Dual Voltage Electric Strike Body Only (HES 1006)	571.83	64.19
08 71 11 00-2509	EA	12/24 Volt DC, 3,000 Lb. Static Strength, Stainless Steel Body, Fire Rated Electric Strike (HES 4500)	706.77	64.19

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 71 11 00-2510	EA	12/24 Volt DC, 1,500 Lb. Static Strength, Steel Body, Low Profile Electric Strike (HES 5000).....	347.22	64.19
08 71 11 00-2511	EA	12/24 Volt DC, 1,500 Lb. Static Strength, Steel Body, Adjustable Electric Strike (HES 5200).....	347.22	64.19
08 71 11 00-2512	EA	12/24 Volt DC, 1,500 Lb. Static Strength, Cylindrical Or Rim Exit Device, Stainless Steel Body, Electric Strike With Preload (HES 7000)	444.88	64.19
08 71 11 00-2513	EA	12/24 Volt DC, 1,500 Lb. Static Strength, Stainless Steel Body, Cylindrical Lock Electric Strike (HES 7500).....	790.28	64.19
08 71 11 00-2514	EA	12/24 Volt DC, 1,500 Lb. Static Strength, Stainless Steel Body, Compact Concealed Electric Strike (HES 8000)	392.45	64.19
08 71 11 00-2515	EA	12/24 Volt DC, 1,500 Lb. Static Strength, Stainless Steel Body, Fire Rated Compact Concealed Electric Strike (HES 8300).....	726.49	64.19
08 71 11 00-2516	EA	12/24 Volt DC, 1,500 Lb. Static Strength, Stainless Steel Body, Fire Rated Concealed Electric Strike (HES 8500)	642.28	64.19
08 71 11 00-2517	EA	12/24 Volt DC, 1,500 Lb. Static Strength, Stainless Steel Body, Slim Line Surface Mounted Electric Strike (HES 9400)	763.14	84.74
08 71 11 00-2518	EA	12/24 Volt DC, 1,500 Lb. Static Strength, Rim Exit Device, Stainless Steel Body, Fire Rated Surface Mounted Electric Strike (HES 9500).....	868.15	84.74
08 71 11 00-2519	EA	12/24 Volt DC, 1,500 Lb. Static Strength, Rim Exit Device, Stainless Steel Body, Surface Mounted Electric Strike (HES 9600).....	763.70	84.74

08 71 11 00-2520 Electric Hardware (08 71 11 00-2310)

08 71 11 00-2521	EA	Electrified Cylindrical Lock Option	215.26	
		Note: Excludes the lock. This task is used in conjunction with other to electrify the lock.		
08 71 11 00-2522	EA	Electrified Mortise Lock Option	250.36	
		Note: Excludes the lock. This task is used in conjunction with other locks to electrify the lock.		
08 71 11 00-2523	EA	24" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	130.51	32.09
08 71 11 00-2524	EA	1 Ampere At 12/24 Volt DC, Door Hardware Power Supply	416.75	32.09
08 71 11 00-2525	EA	3 Amperes At 12 Volt DC, 2 Amperes At 24 Volt DC, Door Hardware Power Supply	728.37	32.09
08 71 11 00-2526	EA	4-1/2 Amperes At 12 Volt DC, 3 Amperes At 24 Volt DC, Door Hardware Power Supply	1,119.35	32.09
08 71 11 00-2527	EA	6 Amperes At 12 Volt DC, 4 Amperes At 24 Volt DC, Door Hardware Power Supply	1,237.16	32.09
08 71 11 00-2528	EA	9 Amperes At 12 Volt DC, 6 Amperes At 24 Volt DC, Door Hardware Power Supply.....	1,478.59	32.09
08 71 11 00-2529	EA	15 Amperes At 12 Volt DC, 10 Amperes At 24 Volt DC, Door Hardware Power Supply.....	1,794.79	32.09
08 71 11 00-2530	EA	18" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	110.08	32.09
08 71 11 00-2531	EA	24" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	112.49	32.09
08 71 11 00-2532	EA	30" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	127.27	32.09
08 71 11 00-2533	EA	45" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	130.21	32.09
08 71 11 00-2534	EA	60" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	131.70	32.09
08 71 11 00-2535	EA	72" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	140.19	32.09
08 71 11 00-2536	EA	12" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	111.61	32.09
08 71 11 00-2537	EA	18" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	123.46	32.09
08 71 11 00-2538	EA	36" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	132.85	32.09
08 71 11 00-2539	EA	49" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	149.07	32.09
08 71 11 00-2540	EA	60" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	153.57	32.09
08 71 11 00-2541	EA	12" Long, 1/2" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	126.42	32.09
08 71 11 00-2542	EA	18" Long, 1/2" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	143.02	32.09
08 71 11 00-2543	EA	18" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	87.00	32.09
08 71 11 00-2544	EA	24" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	99.84	32.09
08 71 11 00-2545	EA	30" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	106.63	32.09
08 71 11 00-2546	EA	36" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	113.89	32.09
08 71 11 00-2547	EA	60" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	151.71	32.09
08 71 11 00-2548	EA	72" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	167.50	32.09
08 71 11 00-2549	EA	12" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	92.25	32.09
08 71 11 00-2550	EA	18" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	97.20	32.09
08 71 11 00-2551	EA	24" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	111.94	32.09
08 71 11 00-2552	EA	36" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	135.39	32.09
08 71 11 00-2553	EA	48" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	156.38	32.09
08 71 11 00-2554	EA	60" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	190.83	32.09
08 71 11 00-2555	EA	12" Long, 1/2" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	100.50	32.09
08 71 11 00-2556	EA	18" Long, 1/2" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	108.09	32.09
08 71 11 00-2557	EA	Two 18 Gauge Wire, Door Frame To Edge Of Door Electrical Power Transfer	765.48	32.09
08 71 11 00-2558	EA	Ten 24 Gauge Wire, Door Frame To Edge Of Door Electrical Power Transfer.....	832.51	44.94
08 71 11 00-2559	EA	Dual Pocket Wire Transfer (Adams Rite 4612-1SC).....	200.43	32.09
08 71 11 00-2560	EA	Power Transfer Hinge 2 Wire Square Corner (Command Access EHT2W4545-652 26D).....	261.62	32.09

08 71 11 00-2561 Magnetic Locks (08 71 11 00-2310)

08 71 11 00-2562	EA	Electromagnetic Lock, 500 lb. Holding Force, Stainless Steel (Schlage 40).....	887.16	154.06
08 71 11 00-2563	EA	Electromagnetic Lock, 500 lb. Holding Force, Stainless Steel (Schlage 40TJ).....	1,066.84	173.32
08 71 11 00-2564	EA	Electromagnetic Lock, 1,000 lb. Holding Force, Stainless Steel (Schlage 70).....	1,043.05	154.06
08 71 11 00-2565	EA	Electromagnetic Lock, 1,000 lb. Holding Force, Stainless Steel (Schlage 70TJ).....	1,222.40	173.32
08 71 11 00-2566	EA	Electromagnetic Lock, 500 lb. Holding Force, Aluminum (Schlage M420)	1,090.49	166.90
08 71 11 00-2567	EA	Electromagnetic Lock, 1,000 lb. Holding Force, Aluminum (Schlage M450)	1,197.40	166.90
08 71 11 00-2568	EA	Electromagnetic Lock, 1500 lb. Holding Force, Aluminum (Schlage M490)	1,280.62	166.90
08 71 11 00-2569	EA	Electromagnetic Lock, 500 lb. Holding Force, Aluminum (Schlage M420P)	1,404.96	192.58
		Note: Includes magnetic bond sensor, door position switch and relock time delay.		
08 71 11 00-2570	EA	Electromagnetic Lock, 1,000 lb. Holding Force, Aluminum (Schlage M450P).....	1,547.08	192.58
		Note: Includes magnetic bond sensor, door position switch and relock time delay.		
08 71 11 00-2571	EA	Electromagnetic Lock, 1500 lb. Holding Force, Aluminum (Schlage M490P)	1,611.10	192.58
		Note: Includes magnetic bond sensor, door position switch and relock time delay.		
08 71 11 00-2572	EA	2 Amperes Output Current, 12-24 Volt DC, 4 Relay with Fire Alarm (Schlage PS902)	481.28	64.19
08 71 11 00-2573	EA	4 Amperes Output Current, 12-24 Volt DC, 4 Relay with Fire Alarm (Schlage PS904)	800.57	64.19
08 71 11 00-2574	EA	6 Amperes Output Current, 12-24 Volt DC, 4 Relay with Fire Alarm (Schlage PS906)	966.51	64.19

08 71 11 00-2575 Occupancy Indicator Locks (08 71 11 00-2310)

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 11 00-2576	EA	Occupancy Indicator Deadbolt With Thumbturn (Schlage B571).....	156.59	32.08
		Note: Standard finish is satin chrome		
		For Bright Brass Finish, Add	5.28	
		For Oil Rubbed Bronze Finish, Add	14.12	
		For Aged Bronze Finish, Add	5.28	
		For Satin Nickel Finish, Add	5.28	
08 71 11 00-2577	EA	Occupancy Indicator Lock And Lever (Vizilok C3F).....	231.12	32.08
		Note: Included finishes are satin chrome, satin nickel, & polished chrome. Lever on both sides		
		For Oil Rubbed Bronze Finish, Add	5.73	

08 71 11 00-2578 Door Coordinators (08 71 11)

08 71 11 00-2579	EA	32" Satin Chrome Finish, Door Coordinator (Ives COR 32" Series)	487.52	40.12
		Note: Satin chrome finish. Includes two mounting brackets.		
		For Anodized Aluminum Finish, Deduct	-130.82	
08 71 11 00-2580	EA	42" Satin Chrome Finish, Door Coordinator (Ives COR 42" Series)	511.81	41.73
		Note: Satin chrome finish. Includes two mounting brackets.		
		For Anodized Aluminum Finish, Deduct	-137.96	
08 71 11 00-2581	EA	52" Satin Chrome Finish, Door Coordinator (Ives COR 52" Series)	524.26	43.33
		Note: Satin chrome finish. Includes two mounting brackets.		
		For Anodized Aluminum Finish, Deduct	-140.38	
08 71 11 00-2582	EA	60" Satin Chrome Finish, Door Coordinator (Ives COR 60" Series)	546.95	44.94
		Note: Satin chrome finish. Includes two mounting brackets.		
		For Anodized Aluminum Finish, Deduct	-146.88	
08 71 11 00-2583	EA	72" Satin Chrome Finish, Door Coordinator (Ives COR 72" Series)	585.66	46.54
		Note: Satin chrome finish. Includes two mounting brackets.		
		For Anodized Aluminum Finish, Deduct	-159.80	
08 71 11 00-2584	EA	Up To 20", Satin Chrome Finish, Filler Bar For Door Coordinator (Ives FL 20")	116.31	12.84
		For Anodized Aluminum Finish, Deduct	-25.98	
08 71 11 00-2585	EA	Up To 32", Satin Chrome Finish, Filler Bar For Door Coordinator (Ives FL 32")	128.23	14.45
		For Anodized Aluminum Finish, Deduct	-28.18	
08 71 11 00-2586	EA	Up To 44", Satin Chrome Finish, Filler Bar For Door Coordinator (Ives FL 44")	147.08	16.05
		For Anodized Aluminum Finish, Deduct	-33.16	
08 71 11 00-2587	EA	Satin Chrome Finish, Carry Bar For Door Coordinator (Ives CB1)	110.36	16.05
08 71 11 00-2588	EA	7" Projection COR Series Gravity Type Door Coordinator	163.27	24.07
		For Anodized Aluminum Finish, Deduct	-26.79	
08 71 11 00-2589	EA	9" Projection COR Series Gravity Type Door Coordinator	173.99	24.07
		For Anodized Aluminum Finish, Deduct	-31.08	

08 71 11 00-2590 Removal And Reinstallation Of Door Hardware (08 71 11)

Note: Includes storage and cleaning. Excludes removal of door where required. See CSI section 08 05 13 00-0050 for removal and reinstallation of door.

08 71 11 00-2591	EA	Removal And Reinstallation Of Door Lockset, Entrance.....	96.29	
08 71 11 00-2592	EA	Removal And Reinstallation Of Door Lockset, Mortise	154.06	
08 71 11 00-2593	EA	Removal And Reinstallation Of Deadbolt Lock	102.71	
08 71 11 00-2594	PR	Removal And Reinstallation Of Butts/Hinges.....	25.67	
08 71 11 00-2595	EA	Removal And Reinstallation Of Door Bumper	8.98	
08 71 11 00-2596	EA	Removal And Reinstallation Of Surface Mounted Panic Device.....	256.78	
08 71 11 00-2597	EA	Removal And Reinstallation Of Kick Plate	32.09	
08 71 11 00-2598	EA	Removal And Reinstallation Of Push Plate	25.67	
08 71 11 00-2599	EA	Removal And Reinstallation Of Surface Mounted Door Closer Or Holder	128.39	
08 71 11 00-2600	EA	Removal And Reinstallation Of Door Handles	19.27	

08 71 11 00-2601 Electromagnetic Door Release (08 71 11)

08 71 11 00-2602	EA	120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Wall Mount, Surface Wiring, Electro-Magnetic Door Release	645.58	80.88
08 71 11 00-2603	EA	120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Wall Mount, Recessed Wiring, Electro-Magnetic Door Release	629.90	80.88
08 71 11 00-2604	EA	120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Adjustable, Wall Mount, Recessed Wiring, Electro-Magnetic Door Release	708.96	80.88
08 71 11 00-2605	EA	24 Volt AC/DC, High Hold, Wall Mount, Surface Or Recessed Wiring, Electro-Magnetic Door Release	1,175.64	80.88
08 71 11 00-2606	EA	24 Volt DC, Sliding Door, Electro-Magnetic Door Release	1,134.03	80.88
08 71 11 00-2607	EA	120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Overhead Door, Electro-Magnetic Door Release	1,134.03	80.88
08 71 11 00-2608	EA	120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Floor Mount, Single Door, Electro-Magnetic Door Release	1,032.25	80.88
08 71 11 00-2609	EA	120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Floor Mount, Back-to-Back Door, Electro-Magnetic Door Release	1,289.59	80.88
08 71 11 00-2610	EA	Photo Electric Smoke Detector Suitable For Door Holder Release	1,227.48	80.88
08 71 11 00-2611	EA	Ionization Type Smoke Detector Suitable For Door Holder Release	1,517.19	80.88
08 71 11 00-2612	EA	Surface Wall Mount, Electromagnetic Door Holder (Sargent 1560).....	723.84	80.88
		Note: 120 volt AC, 24 volt AC/DC, 12 volt DC		
08 71 11 00-2613	EA	Flush Mount, Electromagnetic Door Holder (Sargent 1561)	711.68	80.88
		Note: 120 volt AC, 24 volt AC/DC, 12 volt DC		
08 71 11 00-2614	EA	Floor Mount, Electromagnetic Door Holder (LCN SEM7820).....	1,091.77	80.88
		Note: 120 volt AC, 24 volt AC/DC, 12 volt DC		
08 71 11 00-2615	EA	Surface Wall Mount, Electromagnetic Door Holder (LCN SEM7830)	762.71	80.88
		Note: 120 volt AC, 24 volt AC/DC, 12 volt DC		
08 71 11 00-2616	EA	Low Profile Recessed Wall Mount, Electromagnetic Door Holder (LCN SEM7840)	762.71	80.88
		Note: 120 volt AC, 24 volt AC/DC, 12 volt DC		
08 71 11 00-2617	EA	Recessed Wall Mount, Electromagnetic Door Holder (LCN SEM7850).....	762.71	80.88
		Note: 120 volt AC, 24 volt AC/DC, 12 volt DC		
08 71 11 00-2618	EA	12/24 Volt DC, Delayed Egress Electromagnetic Single Lock (Schlage M490DEP).....	2,365.67	80.88

08 71 11 00-2619 University Hardware Standard (08 71 11)

08 71 11 00-2620	EA	Unit Lock X Less Cylinder X 626 Finish X LH (Corbin Russwin UT5257ESE).....	1,432.45	96.29
08 71 11 00-2621	EA	Von Duprin #CD99L Exit Device X 994LR X 626 Finish	2,478.67	200.92
08 71 11 00-2622	EA	LCN #L4041EDA Surface Mounted Closer X Aluminum.....	740.17	98.86
08 71 11 00-2623	EA	Schlage #L9453 Mortise Lockset X 626 X Less Cylinder X 03A.....	903.31	64.19

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2624	EA		Alarm Lock Mortise Combination Lockset #DL3500 X 626 Finish	2,258.28	160.48
08 71 11 00-2625	EA		Medeco #10W0500 Mortise Lock Cylinder X 626 E3M Keyway	202.58	16.05
08 71 11 00-2626	EA		Corbin #1000-114-A01-6 Br 6 Mortise Cylinder X 626 Finish	109.59	16.05
08 71 11 00-2627	EA		Quality #431ES Door Stop X 626 Finish	34.97	12.84
08 71 11 00-2628	EA		Quality #48 Kick Plate 10x34, 626 Finish	85.02	19.26
08 71 11 00-2629	EA		Medeco 20W5005 X 626 Finish X E3M Keyway.....	298.87	64.19
08 71 11 00-2630	EA		Sargent #8200 Passage Mortise Lockset, Less Cylinder.....	1,106.56	64.19
08 71 11 00-2631	EA		Sargent #8200 Bathroom Mortise Lockset, Less Cylinder	1,233.66	64.19
08 71 11 00-2632	EA		Sargent #8200 Office/Classroom Mortise Lockset, Less Cylinder	1,305.50	64.19
08 71 11 00-2633	EA		Sargent #42 7-Pin Cylinder (Mortise).....	108.84	12.84
08 71 11 00-2634	EA		Sargent #34 7-Pin Cylinder (Rim).....	108.84	12.84
08 71 11 00-2635	EA		Sargent #46 7-Pin Cylinder (Function 04).....	108.84	12.84
08 71 11 00-2636	EA		Sargent #8000 Panic Device, Less Cylinder.....	1,386.23	128.39
08 71 11 00-2637	EA		Sargent #351 Door Closers	681.10	37.23
08 71 11 00-2638	EA		Panel Interface Module (Schlage PIM400-485)	3,893.76	513.55
08 71 13 Automatic Door Operators (08 71)					
08 71 13 00-0001 Automatic Door Operators (LCN) (08 71 13)					
08 71 13 00-0002	EA		Automatic Door Operator, Surface Mount Americans With Disabilities Act Compliant Door Operator With Arm (LCN 9131).....	3,569.82	160.48
08 71 13 00-0003	EA		Automatic Door Operator, Surface Mount Americans With Disabilities Act Compliant Door Operator With Arm (LCN 9142).....	3,569.82	160.48
08 71 13 00-0004	EA		Automatic Door Operator, Surface Mount Americans With Disabilities Act Compliant Pair Door Operator With Arms (LCN 9153).....	7,010.12	256.78
08 71 13 00-0005	EA		Automatic Door Operator, Surface Mount Americans With Disabilities Act Compliant Door Operator With Pull Arm (LCN 9531).....	4,474.76	160.48
			Note: Opens doors automatically for wheelchair access, and allows for manual operation for regular pedestrian traffic.		
08 71 13 00-0006	EA		Automatic Door Operator, Surface Mount Americans With Disabilities Act Compliant Door Operator With Push Arm (LCN 9542)	4,474.76	160.48
			Note: Opens doors automatically for wheelchair access, and allows for manual operation for regular pedestrian traffic.		
08 71 13 00-0007	EA		Automatic Door Operator, Surface Mount Americans With Disabilities Act Compliant Pair Door Operator with Arms (LCN 9553).....	7,691.38	256.78
08 71 13 00-0008	EA		Automatic Door Operator, Surface Mount Americans With Disabilities Act Compliant Pair Door Operator with Arms (LCN 9563).....	9,053.92	256.78
08 71 13 00-0009	EA		Door Position Switch (LCN 8310-805).....	74.74	
08 71 13 00-0010	EA		3-Position Key Switch (LCN 8310-806K).....	404.25	
08 71 13 00-0011	EA		4-3/4" x 4-3/4" Wall Mount Actuator (LCN 8310-813)	969.27	
08 71 13 00-0012	EA		1-1/2" x 4-3/4" Jamb Mount Actuator (LCN 8310-818)	217.10	
08 71 13 00-0013	EA		36" High Full Length Actuator (LCN 8310-836T).....	886.34	
08 71 13 00-0014	EA		6" Round Wall Mount Actuator (LCN 8310-852).....	299.27	
08 71 13 00-0015	EA		42" x 4" x 6" Post Bollard (LCN 8310-866)	1,059.01	
08 71 13 00-0016	EA		Small Format Interchangeable Core (SFIC) Horizontal Tailpiece Rim Cylinder (Schlage 80-116-ICX)	117.67	
08 71 13 00-0017	EA		Small Format Interchangeable Core (SFIC) 7 Pin Interchangeable Core (Falcon C607)	148.56	
08 71 13 00-0018 Automatic Door Operators (Stanley) (08 71 13)					
08 71 13 00-0019	EA		Automatic Door Operator, Surface Mount With Key Switch (Stanley D-4990).....	4,314.99	160.48
08 71 13 00-0020	EA		6" Round Stainless Steel Actuator (Stanley CL2216)	277.44	
08 71 13 00-0021	EA		Power Supply (Stanley Precision ELR151).....	969.19	
08 71 13 00-0022	EA		Low Energy Door Operator, Push Side Mount Application With Standard Arm (Stanley D-4990).....	3,236.90	128.39
			Note: Includes control box with conduit access, motor, operator and D-4550 door closer. Excludes electrical connections		
08 71 13 00-0023	EA		Door Operator Free Standing Push Plate Post (Stanley CL2247)	526.64	85.63
			Note: Includes mounting post only		
08 71 13 00-0024	EA		Dual Vestibule Push Plate Door Operator (Stanley CL2388).....	342.39	39.16
			Note: Includes 4-3/4" Dual Vestibule Push Plate and electrical connection. Excludes junction Box		
08 71 13 00-0025	EA		Jamb Mount, Push Plate Door Operator (Stanley CL2055).....	213.06	39.16
			Note: Includes 4-3/4" Jamb Mount Push Plate and Electrical Connections. Excludes junction Box		
08 71 13 00-0026	EA		Touchless Plate Door Operator (Stanley CL2025).....	337.96	39.16
			Note: Includes Touchless Plate and Electrical Connection. Excludes junction Box		
08 71 13 00-0027	EA		Door Operator Push Plate Assembly (Stanley CL4976)	1,155.38	58.78
			Note: Includes 2 Push Plates, 2 Surface Boxes, 2 Transmitters and 1 Receiver		
08 71 13 00-0028 Automatic Door Operators (Camden) (08 71 13)					
08 71 13 00-0029	EA		4-1/2" Round Push Plate Switch, PUSH TO OPEN, Bright Stainless Steel (Camden 40/3)	113.46	
08 71 13 00-0030 Miscellaneous Devices (08 71 13)					
08 71 13 00-0031	EA		Electric Power Transformer (Von Duprin EPT-2) For Magnetic Monitor Switches.....	609.95	48.15
08 71 13 00-0032	EA		Magnetic Monitor Switch, SS Finish (Von Duprin MS 764).....	180.61	28.88
08 71 13 00-0033	EA		24 Volt AC, 3 Amperes, Transformer (Von Duprin PT 750).....	229.75	28.88
08 71 13 00-0034	EA		Automatic Door Bottoms, Fully Mortise Cam Bottom Type To Fit 1-1/2" x 3/4" Mortise Channel At Door Bottom (National Guard Products 320S).....	128.45	28.88
08 71 53 Security Door Hardware (08 71)					
08 71 53 00-0001 Door Exit Alarm Hardware (08 71 53)					
08 71 53 00-0002	EA		Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-500).....	401.95	48.15
08 71 53 00-0003	EA		Weatherized Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-500W).....	556.43	48.15

08	08	Openings
	08 70	Hardware
	08 71	Door Hardware



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 71 53 00-0004	EA		Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-300).....	467.94	48.15
			Note: Door propped alarm for applications where doors may be used for egress or ingress, but may not be held or propped open. Door open times from 1 second to 4 minutes (15 second default) are field selectable.		
08 71 53 00-0005	EA		Weatherized Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-300W).....	604.56	48.15
			Note: Door propped alarm for applications where doors may be used for egress or ingress, but may not be held or propped open. Door open times from 1 second to 4 minutes (15 second default) are field selectable.		
08 71 53 00-0006	EA		Wall Mount Exit Alarm, Audible Alarm, AC/DC (Detex EAX-2500).....	702.25	64.19
08 71 53 00-0007	EA		Surface Mounted Magnetic Switch (Detex MS-1039S or MS-1059S).....	123.73	64.19
			Note: For use with Detex EAX exit alarms.		

08 72 Weatherstripping, Thresholds and Seals (08 70)

08 72 33 Weatherstripping and Seals (08 72)

08 72 33 00-0001 Weather-Stripping And Seals (08 72 33)

08 72 33 00-0002 Astragals (08 72 33 00-0001)

Note: Astragal and meeting stile seals are used to seal the gap between a pair of doors.

08 72 33 00-0003 Adhesive Backed Astragals (08 72 33 00-0002)

08 72 33 00-0004	LF		7/16" Width, 9/32" Height, Edge Mount, Single Fin, Adhesive Backed Flexible Astragal (Pemko S771).....	5.73	0.97
08 72 33 00-0005	LF		1/2" Width, 3/16" Height, Edge Mount, Double Fin, Adhesive Backed Flexible Astragal (Pemko S772).....	6.40	0.97
08 72 33 00-0006	LF		1-1/8" Width, 3/16" Height, Mullion Mount, Adhesive Backed Mullion Gasketing (Pemko 5110).....	4.86	0.97

08 72 33 00-0007 Overlapping Astragals (08 72 33 00-0002)

08 72 33 00-0008 Aluminum, Overlapping Astragals (08 72 33 00-0007)

08 72 33 00-0009	LF		2" Width, 1/8" Height, Clear Anodized Aluminum, Overlapping Astragal (Pemko 357C).....	22.63	5.77
			For Color Anodized Finish, Add	3.36	

08 72 33 00-0010 Stainless Steel, Overlapping Astragals (08 72 33 00-0007)

08 72 33 00-0011	LF		2" Width, 1/8" Height, Stainless Steel, Overlapping Astragal (Pemko 357SS).....	46.53	5.77
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08 72 33 00-0012 "T" Astragals (08 72 33 00-0002)

08 72 33 00-0013 Aluminum, "T" Astragals (08 72 33 00-0012)

08 72 33 00-0014	LF		1" Width, 11/16" Height, Mill Aluminum, "T" Astragal (Pemko 359A).....	14.44	5.77
			For Color Anodized Finish, Add	1.06	
08 72 33 00-0015	LF		Vinyl Insert, 3/4" Width, 1/4" Height, Mill Aluminum, "T" Astragal (Pemko 356AV).....	18.37	5.77
			For Color Anodized Finish, Add	1.39	
08 72 33 00-0016	LF		Vinyl Or Pile Insert, 1-3/8" Width, 1/4" Height, Clear Anodized Aluminum, "T" Astragal (Pemko 355CP).....	18.98	5.77
			For Color Anodized Finish, Add	2.65	
			For Silicone Insert, Add	0.63	
08 72 33 00-0017	LF		Neoprene Sponge Insert, 1-1/8" Width, 1/2" Height, Clear Anodized Aluminum, "T" Astragal (Pemko 352CR).....	35.82	5.77
			For Color Anodized Finish, Add	8.54	
08 72 33 00-0018	LF		Silicon Insert, 1-3/8" Width, 1/4" Height, Brass/Bronze, "T" Astragal (Pemko 355BS).....	90.96	5.77
08 72 33 00-0019	LF		Silicon Insert, 1-3/8" Width, 1/4" Height, Clear Anodized Aluminum, "T" Astragal (Pemko 355CS).....	20.99	5.77
08 72 33 00-0020	LF		Silicon Insert, 1-3/8" Width, 1/4" Height, Satin Nickel Anodized Aluminum, "T" Astragal (Pemko 355SNS).....	24.30	5.77

08 72 33 00-0021 Brass/Bronze, "T" Astragals (08 72 33 00-0012)

08 72 33 00-0022	LF		Vinyl Or Pile Insert, 1-3/8" Width, 1/4" Height, Brass/Bronze, "T" Astragal (Pemko 355BP).....	64.15	5.77
			For Silicone Insert, Add	0.63	

08 72 33 00-0023 Locking Astragals (08 72 33 00-0002)

08 72 33 00-0024 Outswing Locking Astragals (08 72 33 00-0023)

Note: Includes two units. A housing containing the locking bolt which fastens to the inactive leaf and a "T" astragal with a seal that fastens to the active leaf.

08 72 33 00-0025 Aluminum, Outswing Locking Astragals (08 72 33 00-0024)

08 72 33 00-0026	LF		Slide Bolt, 1-1/4" Width, 3/8" Height, Clear Anodized Aluminum, Slimline Style, Outswing Locking Astragal (Pemko 3443CS).....	48.22	5.77
			Note: Includes pile seal at inner door edge and neoprene bottom seal.		
			For Color Anodized Finish, Add	7.36	
08 72 33 00-0027	LF		Locking Springbolt, 1-1/4" Width, 3/8" Height, Clear Anodized Aluminum, Slimline Style, Outswing Locking Astragal (Pemko 3444CS).....	56.11	5.77
			Note: Includes pile seal at inner door edge and neoprene bottom seal.		
			For Color Anodized Finish, Add	8.94	
08 72 33 00-0028	LF		Slide Bolt, 1-13/32" Width, 11/16" Height, Gold Anodized Aluminum, Colonial Style, Outswing Locking Astragal (Pemko 3445BDQ).....	54.20	5.77
			Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.		
			For Thermal Break, Add	2.57	
08 72 33 00-0029	LF		Locking Springbolt, 1-13/32" Width, 11/16" Height, Gold Anodized Aluminum, Colonial Style, Outswing Locking Astragal (Pemko 3446BDGQ).....	60.61	5.77
			Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.		
			For Thermal Break, Add	2.95	

08 72 33 00-0030 Inswing Locking Astragals (08 72 33 00-0023)

Note: Includes one unit containing the locking bolt and astragal with seal, which fastens to the inactive leaf.

08 72 33 00-0031 Wood, Inswing Locking Astragals (08 72 33 00-0030)

08 72 33 00-0032	LF		Flush Bolt, 1-1/4" Width, 1/2" Height, Wood, Inswing Locking Astragal (Pemko 34832).....	56.60	5.77
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Cal Poly Humboldt.			Openings 08		08
			Hardware 08 70		
			Weatherstripping, Thresholds and Seals 08 72		
MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
08 72 33 00-0033	LF	Flush Bolt, 1-1/4" Width, 1-3/16" Height, Wood, Inswing Locking Astragal (Pemko 3481Q) Note: Includes kerf-in foam seal.	56.31		5.77
08 72 33 00-0034		Aluminum, Inswing Locking Astragals (08 72 33 00-0030)			
08 72 33 00-0035	LF	Slide Bolt, 1-3/8" Width, 9/32" Height, Clear Anodized Aluminum, Slimline Style, Inswing Locking Astragal (Pemko 3493CV) Note: Includes pile seal at inner door edge and neoprene bottom seal.	31.69		5.77
		For Silicone Insert, Add	0.63		
		For Color Anodized Finish, Add	4.05		
08 72 33 00-0036	LF	Locking Springbolt, 1-3/8" Width, 9/32" Height, Clear Anodized Aluminum, Slimline Style, Inswing Locking Astragal (Pemko 3494CV) Note: Includes pile seal at inner door edge and neoprene bottom seal.	38.28		5.77
		For Silicone Insert, Add	0.63		
		For Color Anodized Finish, Add	5.37		
08 72 33 00-0037	LF	Slide Bolt, 1-13/32" Width, 3/4" Height, Clear Anodized Aluminum, Colonial Style, Inswing Locking Astragal (Pemko 3495CQ) Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.	34.18		5.77
		For Magnetic Kerf-In Insert, Add	0.47		
		For Color Anodized Finish, Add	4.55		
08 72 33 00-0038	LF	Locking Springbolt, 1-13/32" Width, 3/4" Height, Clear Anodized Aluminum, Colonial Style, Inswing Locking Astragal (Pemko 3496CQ) Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.	40.72		5.77
		For Magnetic Kerf-In Insert, Add	0.47		
		For Color Anodized Finish, Add	5.86		
08 72 33 00-0039		Security Astragals (08 72 33 00-0002)			
08 72 33 00-0040	LF	Vinyl Seal, 1/2" Thick Cam, 1-3/4" Width, Clear Anodized Aluminum, Security Astragal (Pemko 378C) For Color Anodized Finish, Add	29.49 18.07		5.77
08 72 33 00-0041	LF	2-1/4" Width, 10 Gauge Galvanized Steel, Offset Security Bar, Security Astragal (Pemko 3572SP)	50.25		5.77
08 72 33 00-0042		Meeting Stile Astragals (08 72 33 00-0002)			
08 72 33 00-0043		One Piece, Meeting Stile Astragals (08 72 33 00-0042) Note: Includes an astragal for one door only.			
08 72 33 00-0044	LF	1/4" Vinyl Or Pile Insert, 5/32" Width, 13/32" Height, Surface/Mortise Mount, Clear Anodized Aluminum, One Piece, Meeting Stile Astragal (Pemko 369AP) For Color Anodized Finish, Add	18.14 2.02		5.77
08 72 33 00-0045	LF	1/4" Neoprene Loop Insert, 7/16" Width, 3/4" Height, Surface/Mortise Mount, Mill Aluminum, One Piece, Meeting Stile Astragal (Pemko 313AN) For Color Anodized Finish, Add	28.35 4.48		8.60
08 72 33 00-0046	LF	9/16" Neoprene Loop Insert, 3/4" Width, 1-3/8" Height, Surface/Mortise Mount, Clear Anodized Aluminum, One Piece, Meeting Stile Astragal (Pemko 314CN) For Color Anodized Finish, Add	38.10 2.10		8.60
08 72 33 00-0047	LF	15/16" Neoprene Loop Insert, 1-1/8" Width, 1-3/4" Height, Surface/Mortise Mount, Clear Anodized Aluminum, One Piece, Meeting Stile Astragal (Pemko 358CN) For Color Anodized Finish, Add	39.35 5.55		8.60
08 72 33 00-0048	LF	1/8" Width, 1-1/2" Height, Side Mount, Spring Bronze, One Piece, Meeting Stile Astragal (Pemko B71)	40.92		8.60
08 72 33 00-0049		Two Piece, Meeting Stile Split Astragals (08 72 33 00-0042) Note: Includes one astragal for each door.			
08 72 33 00-0050	LF	1/4" Vinyl Insert, 13/16" Width, 1/4" Height, Face Mount, Mill Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 297AV) For Silicone Insert, Add For Color Anodized Finish, Add	22.29 0.95 5.15		8.60
08 72 33 00-0051	LF	1/4" Vinyl Insert, 11/16" Width, 1/4" Height, Face Mount, Mill Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 316AV) For Color Anodized Finish, Add	22.29 5.15		8.60
08 72 33 00-0052	LF	1/4" Vinyl Insert, 7/8" Width, 1/4" Height, Face Mount, Mill Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 303AV) For Silicone Insert, Add For Color Anodized Finish, Add	22.29 0.95 5.15		8.60
08 72 33 00-0053	LF	3/8" Neoprene Insert, 7/8" Width, 3/16" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 305CN) For Silicone Insert, Add For Color Anodized Finish, Add	35.97 0.63 3.77		8.60
08 72 33 00-0054	LF	3/8" Brush Insert, 3/4" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 18041CNB) For Color Anodized Finish, Add	29.24 4.84		8.60
08 72 33 00-0055	LF	5/8" Brush Insert, 3/4" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 18061CNB) For Color Anodized Finish, Add	30.14 5.20		8.60
08 72 33 00-0056	LF	3/16" Vinyl Or Pile Insert, 3/4" Width, 3/8" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals With Concealed Fasteners (Pemko 29310CV) For Color Anodized Finish, Add For Silicone Insert, Add	36.86 9.86 0.95		8.60
08 72 33 00-0057	LF	3/8" Brush Insert, 7/8" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals With Concealed Fasteners (Pemko 29324CNB) For Color Anodized Finish, Add	37.76 8.25		8.60
08 72 33 00-0058	LF	5/8" Brush Insert, 7/8" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals With Concealed Fasteners (Pemko 29326CNB) For Color Anodized Finish, Add	38.66 8.61		8.60
08 72 33 00-0059		Two Piece, Adjustable Meeting Stile Split Astragals (08 72 33 00-0042) Note: Includes one astragal for each door.			

08	08	Openings
	08 70	Hardware
	08 72	Weatherstripping, Thresholds and Seals



		MINOR			TOTAL DIRECT	DEMOLITION
		CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 72 33 00-0060	Aluminum, Two Piece, Meeting Stile Adjustable Split Astragals (08 72 33 00-0059)					
08 72 33 00-0061	LF	3/8"		Vinyl Or Pile Insert, 21/32" Width, 9/16" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 354CP).....	70.48	8.60
				For Color Anodized Finish, Add	13.34	
				For Silicone Insert, Add	0.63	
08 72 33 00-0062	LF	3/8"		Vinyl Or Pile Insert, 1" Width, 9/16" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 351CP).....	71.89	8.60
				For Silicone Insert, Add	0.63	
				For Color Anodized Finish, Add	10.95	
08 72 33 00-0063	Brass/Bronze, Two Piece, Meeting Stile Adjustable Split Astragals (08 72 33 00-0059)					
08 72 33 00-0064	LF	3/8"		Vinyl Or Pile Insert, 21/32" Width, 9/16" Height, Mortise Mount, Brass/Bronze, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 354BP).....	195.72	8.60
				For Silicone Insert, Add	0.63	
08 72 33 00-0065	LF	3/8"		Vinyl Or Pile Insert, 1" Width, 9/16" Height, Face Mount, Brass/Bronze, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 351BP)	183.23	8.60
				For Silicone Insert, Add	0.63	
08 72 33 00-0066	Door Sweeps (08 72 33 00-0001)					
08 72 33 00-0067	Tack On Door Sweeps (08 72 33 00-0066)					
08 72 33 00-0068	LF			For Sealing Up To 3/4" Gap, Side Mount, Vinyl Tack On Door Sweep (Pemko V365)	8.00	3.21
08 72 33 00-0069	LF			For Sealing Up To 5/8" Gap, Bottom Mount, Rubber Tack On Door Sweep (Pemko R364).....	8.13	3.21
08 72 33 00-0070	LF			For Sealing Up To 1-3/8" Gap, Bottom Mount, Vinyl Tack On Door Sweep (Pemko P361V)	8.53	3.21
08 72 33 00-0071	Aluminum Retainer Door Sweeps (08 72 33 00-0066)					
08 72 33 00-0072	35 Degree, Aluminum Retainer Door Sweeps (08 72 33 00-0071)					
	Note: The retainer mounts to the door face with the sweep positioned 35 degrees from the door. Includes clear anodized finish.					
08 72 33 00-0073	LF	5/16"		Brush Insert, 35 Degree, Aluminum Retainer Door Sweep (Pemko 35041CNB).....	19.33	6.42
				For Color Anodized Finish, Add	2.60	
08 72 33 00-0074	LF	1/2"		Brush Insert, 35 Degree, Aluminum Retainer Door Sweep (Pemko 35061CNB).....	20.00	6.42
				For Color Anodized Finish, Add	2.51	
08 72 33 00-0075	45 Degree, Aluminum Retainer Door Sweeps (08 72 33 00-0071)					
	Note: The retainer mounts to the door face with the sweep positioned 45-degrees from the door. Includes clear anodized finish.					
08 72 33 00-0076	LF	1-3/4"		Brush Insert, 45 Degree, Aluminum Retainer Door Sweep (Pemko 45175CNB)	30.76	6.42
				For Color Anodized Finish, Add	7.17	
08 72 33 00-0077	LF	2-1/2"		Brush Insert, 45 Degree, Aluminum Retainer Door Sweep (Pemko 45250CNB)	33.45	6.42
				For Color Anodized Finish, Add	8.25	
08 72 33 00-0078	LF	4"		Brush Insert, 45 Degree, Aluminum Retainer Door Sweep (Pemko 45400CNB).....	39.28	6.42
				For Color Anodized Finish, Add	10.58	
08 72 33 00-0079	90 Degree, Aluminum Retainer Door Sweeps (08 72 33 00-0071)					
	Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold. Includes clear anodized finish.					
08 72 33 00-0080	LF	3/8"		Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90041CNB).....	21.57	6.42
				For Color Anodized Finish, Add	0.87	
08 72 33 00-0081	LF	5/8"		Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90062CNB).....	21.35	6.42
				For Color Anodized Finish, Add	0.85	
08 72 33 00-0082	LF	1"		Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90100CNB).....	22.92	6.42
				For Color Anodized Finish, Add	3.53	
08 72 33 00-0083	LF	1-3/8"		Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90137CNB)	23.59	6.42
				For Color Anodized Finish, Add	4.30	
08 72 33 00-0084	LF	7/16"		Neoprene Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 315CN).....	20.90	6.42
				For Color Anodized Finish, Add	2.02	
08 72 33 00-0085	LF	11/16"		Neoprene Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 368CN).....	27.17	6.42
				For Color Anodized Finish, Add	2.87	
08 72 33 00-0086	LF	15/16"		Neoprene Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 321CN).....	22.24	6.42
				For Color Anodized Finish, Add	1.88	
08 72 33 00-0087	LF	9/16"		Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 308AV).....	16.36	6.42
				Note: Includes mill finish.		
				For Color Anodized Finish, Add	1.77	
08 72 33 00-0088	LF	1"		Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 307AV).....	16.53	6.42
				Note: Includes mill finish.		
				For Color Anodized Finish, Add	1.85	
08 72 33 00-0089	LF	1-9/16"		Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 56AV).....	18.43	6.42
				Note: Includes mill finish.		
				For Color Anodized Finish, Add	1.96	
08 72 33 00-0090	180 Degree, Aluminum Retainer Door Sweeps (08 72 33 00-0071)					
	Note: The retainer mounts to the door face with the sweep positioned perpendicular to the threshold. Includes clear anodized finish.					
08 72 33 00-0091	180 Degree, Aluminum Retainer Door Sweeps (08 72 33 00-0090)					
08 72 33 00-0092	LF	3/8"		Brush Insert, 180 Degree, Aluminum Retainer Door Sweep (Pemko 18041CNB).....	18.88	6.42
				For Color Anodized Finish, Add	2.42	
08 72 33 00-0093	LF	5/8"		Brush Insert, 180 Degree, Aluminum Retainer Door Sweep (Pemko 18061CNB).....	19.33	6.42
				For Color Anodized Finish, Add	2.60	

		Openings	08	08
		Hardware	08 70	
		Weatherstripping, Thresholds and Seals	08 72	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 33 00-0094	LF		1" Brush Insert, 180 Degree, Aluminum Retainer Door Sweep (Pemko 18100CNB) <i>For Color Anodized Finish, Add</i>	22.92 3.53	6.42
08 72 33 00-0095			180 Degree, Concealed Fastener, Aluminum Retainer Door Sweeps (08 72 33 00-0090)		
08 72 33 00-0096	LF		3/8" Brush Insert, 180 Degree, Concealed Fastener, Aluminum Retainer Door Sweep (Pemko 29324CNB) <i>For Color Anodized Finish, Add</i>	23.14 4.12	6.42
08 72 33 00-0097	LF		5/8" Brush Insert, 180 Degree, Concealed Fastener, Aluminum Retainer Door Sweep (Pemko 29326CNB) <i>For Color Anodized Finish, Add</i>	23.59 4.30	6.42
08 72 33 00-0098	LF		1" Brush Insert, 180 Degree, Concealed Fastener, Aluminum Retainer Door Sweep (Pemko 293100CNB) <i>For Color Anodized Finish, Add</i>	25.47 5.06	6.42
08 72 33 00-0099			Mortised, Aluminum Retainer Door Sweeps (08 72 33 00-0071) Note: The retainer is mortised into the door bottom with the sweep positioned perpendicular to the threshold. Includes mill finish. Excludes mortising.		
08 72 33 00-0100	LF		1/4" Brush Insert, Mortised, Aluminum Retainer Door Sweep (Pemko 5025ASB).....	16.86	6.42
08 72 33 00-0101	LF		13/32" Brush Insert, Mortised, Aluminum Retainer Door Sweep (Pemko 5041ANB).....	16.86	6.42
08 72 33 00-0102	LF		5/8" Brush Insert, Mortised, Aluminum Retainer Door Sweep (Pemko 5061ANB).....	17.09	6.42
08 72 33 00-0103			Aluminum Retainer Door Sweeps With Rain Drip (08 72 33 00-0066)		
08 72 33 00-0104			90 Degree, Aluminum Retainer Door Sweeps With Rain Drip (08 72 33 00-0103) Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold. Includes mill finish.		
08 72 33 00-0105	LF		1/4" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 3452AV)..... <i>For Color Anodized Finish, Add</i>	16.42 2.51	6.42
08 72 33 00-0106	LF		1/4" Vinyl Insert, 90 Degree, Clear Anodized Aluminum Retainer Door Sweep (Pemko 3452CV)	18.33	6.42
08 72 33 00-0107	LF		1/4" Vinyl Insert, 90 Degree, Satin Nickel Anodized Aluminum Retainer Door Sweep (Pemko 3452SNV).....	18.68	6.42
08 72 33 00-0108	LF		1/2" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 345AV)..... <i>For Color Anodized Finish, Add</i>	19.33 2.60	6.42
08 72 33 00-0109	LF		3/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweeps With Rain Drip (Pemko 3452CNB)..... Note: Includes clear anodized finish. <i>For Color Anodized Finish, Add</i>	21.51 1.74	6.42
08 72 33 00-0110	LF		7/16" Brush Insert, 90 Degree, Aluminum Retainer Door Sweeps With Rain Drip (Pemko 345ANB)..... <i>For Color Anodized Finish, Add</i>	21.91 1.82	6.42
08 72 33 00-0111			Brass/Bronze Retainer Door Sweeps (08 72 33 00-0066)		
08 72 33 00-0112			90 Degree, Brass/Bronze Retainer Door Sweeps (08 72 33 00-0111) Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold.		
08 72 33 00-0113	LF		7/16" Neoprene Insert, 90 Degree, Brass/Bronze Retainer Door Sweep (Pemko 315BN)	26.28	6.42
08 72 33 00-0114			Oak Retainer Door Sweeps (08 72 33 00-0066)		
08 72 33 00-0115			90 Degree, Oak Retainer Door Sweeps (08 72 33 00-0114) Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold.		
08 72 33 00-0116	LF		9/16" Brush Insert, 90 Degree, Oak Retainer Door Sweep (Pemko 18062WNB).....	21.12	6.42
08 72 33 00-0117	LF		15/16" Brush Insert, 90 Degree, Oak Retainer Door Sweep (Pemko 18100WNB)	24.66	6.42
08 72 33 00-0118			Door Shoes And Bottoms (08 72 33 00-0001)		
08 72 33 00-0119			Door Shoes (08 72 33 00-0118)		
08 72 33 00-0120			Aluminum Retainer Door Shoes (08 72 33 00-0119)		
08 72 33 00-0121			Bottom Mount, Aluminum Retainer Door Shoes (08 72 33 00-0120)		
08 72 33 00-0122	LF		Vinyl Insert, 1-3/16" Width, Bottom Mount, Aluminum Retainer Door Shoe (Pemko 234AV)..... <i>For Color Anodized Finish, Add</i> <i>For Thermo-Plastic Elastomer Insert, Add</i>	18.21 2.15 0.68	6.42
08 72 33 00-0123	LF		Vinyl Insert, 1-3/8" Width, Bottom Mount, Aluminum Retainer Door Shoe (Pemko 209AV)..... <i>For Color Anodized Finish, Add</i>	18.88 2.42	6.42
08 72 33 00-0124	LF		Notched Vinyl Insert, 1-3/16" Width, Bottom Mount, Aluminum Retainer Door Shoe (Pemko 2343AV)	25.38 2.51	6.42
08 72 33 00-0125			Side Mount, Aluminum Retainer Door Shoes (08 72 33 00-0120)		
08 72 33 00-0126	LF		Vinyl Insert, 1-3/4" Width, Side Mount, Aluminum Retainers Door Shoe (Pemko 318AV)..... <i>For Color Anodized Finish, Add</i> <i>For Thermo-Plastic Elastomer Insert, Add</i>	21.12 3.32 0.68	6.42
08 72 33 00-0127			L Or U Shaped, Aluminum Retainer Door Shoes (08 72 33 00-0120)		
08 72 33 00-0128	LF		Vinyl Insert, 1-1/4" Width, L-Shaped, Aluminum Retainer Door Shoe (Pemko 211AV)	19.33	6.42
			<i>For Color Anodized Finish, Add</i> <i>For Thermo-Plastic Elastomer Insert, Add</i>	3.25 0.42	
08 72 33 00-0129	LF		Vinyl Insert, 1-3/8" Width, U-Shaped, Aluminum Retainer Door Shoe (Pemko 220AV)..... <i>For Color Anodized Finish, Add</i> <i>For Thermo-Plastic Elastomer Insert, Add</i>	20.67 3.14 0.42	6.42
08 72 33 00-0130	LF		Vinyl Insert, 1-3/4" Width, U-Shaped, Aluminum Retainer Door Shoe (Pemko 217AV)..... <i>For Color Anodized Finish, Add</i> <i>For Thermo-Plastic Elastomer Insert, Add</i>	21.12 3.32 0.42	6.42
08 72 33 00-0131	LF		Notched Vinyl Insert, 1-5/16" Width, L-Shaped, Aluminum Retainer Door Shoe (Pemko 2113AV)..... <i>For Color Anodized Finish, Add</i>	30.24 3.48	6.42

08 Openings**08 70 Hardware****08 72 Weatherstripping, Thresholds and Seals**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
08 72 33 00-0132	LF Notched Vinyl Insert, 1-3/4" Width, U-Shaped, Aluminum Retainer Door Shoe (Pemko 2173AV).....	30.69		6.42	
	<i>For Color Anodized Finish, Add</i>	3.57			
08 72 33 00-0133	LF PemkoPrene Insert, 1-3/4" Width, U-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 216APK)	24.73		6.42	
08 72 33 00-0134	LF PemkoPrene Insert, 1-3/4" Width, U-Shaped With Rain Drip, Satin Nickel Anodized Aluminum Retainer Door Shoe (Pemko 216SNPK)	30.73		6.42	
08 72 33 00-0135	LF PemkoPrene Insert, 1-3/4" Width, U-Shaped, Aluminum Retainer Door Shoe (Pemko 217APK).....	22.71		6.42	
08 72 33 00-0136	LF PemkoPrene Insert, 1-3/4" Width, U-Shaped, Satin Nickel Anodized Aluminum Retainer Door Shoe (Pemko 217SNPK).....	30.78		6.42	
08 72 33 00-0137	L Or U Shaped With Rain Drip, Aluminum Retainer Door Shoes (08 72 33 00-0120)				
08 72 33 00-0138	LF Vinyl Insert, 1-1/4" Width, L-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 210AV)	19.78		6.42	
	<i>For Color Anodized Finish, Add</i>	3.48			
	<i>For Thermo-Plastic Elastomer Insert, Add</i>	0.42			
08 72 33 00-0139	LF Vinyl Insert, 1-3/8" Width, U-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 215AV).....	21.12		6.42	
	<i>For Color Anodized Finish, Add</i>	3.32			
	<i>For Thermo-Plastic Elastomer Insert, Add</i>	0.42			
08 72 33 00-0140	LF Vinyl Insert, 1-3/4" Width, U-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 216AV).....	21.35		6.42	
	<i>For Color Anodized Finish, Add</i>	3.41			
	<i>For Thermo-Plastic Elastomer Insert, Add</i>	0.42			
08 72 33 00-0141	Vinyl Door Shoes (08 72 33 00-0119)				
08 72 33 00-0142	LF 1-3/4" Width, L-Shaped, Vinyl Door Shoe (Pemko V80).....	24.16		6.42	
08 72 33 00-0143	LF 1-3/4" Width, U-Shaped, Vinyl Door Shoe (Pemko 2170DV).....	29.27		6.42	
08 72 33 00-0144	Door Bottoms (08 72 33 00-0118)				
08 72 33 00-0145	Automatic Door Bottoms (08 72 33 00-0144)				
08 72 33 00-0146	Aluminum Automatic Door Bottoms (08 72 33 00-0145)				
08 72 33 00-0147	LF Sponge Neoprene Insert, 9/16" Width, 1-7/8" Height, Surface/Mortise Mount, Aluminum Retainer, Automatic Door Bottom (Pemko 4131CRL).....	42.35		6.42	
	<i>For Color Anodized Finish, Add</i>	5.90			
08 72 33 00-0148	LF Sponge Neoprene Insert, 31/32" Width, 2-1/8" Height, Surface/Mortise Mount, Aluminum Retainer, Automatic Door Bottom (Pemko 4301CRL).....	60.82		6.42	
	<i>For Color Anodized Finish, Add</i>	9.60			
08 72 33 00-0149	Door Top Protection (08 72 33 00-0001)				
08 72 33 00-0150	LF Aluminum, Door Top Cover For 1-3/8" Wood Doors (Pemko PA343).....	15.18		5.13	
	<i>For Dark Bronze Or Gold Anodized Aluminum Or Painted White, Add</i>	1.35			
08 72 33 00-0151	LF Aluminum, Door Top Cover For 1-3/4" Wood Doors (Pemko PA344).....	15.18		5.13	
	<i>For Dark Bronze Or Gold Anodized Aluminum Or Painted White, Add</i>	1.35			
08 72 33 00-0152	LF 2-1/2" Aluminum Overhead Rain Drip With Slotted Holes (Pemko 346C)	19.17		5.13	
	<i>For Dark Bronze Or Gold Anodized Aluminum Or Painted White, Add</i>	2.44			
08 72 33 00-0153	EA For 20 Oz Copper Drip Cap For Exterior Door.....	67.39			
08 72 33 00-0154	Perimeter Gasketing Weather-Strip (08 72 33 00-0001)				
	Note: Perimeter gasketing is used to seal the gap around the top and the two sides of a door assembly.				
08 72 33 00-0155	Adhesive Backed Perimeter Gasketing Weather-Strip (08 72 33 00-0154)				
08 72 33 00-0156	LF 3/8" x 3/16", Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko PK33)	4.80		3.21	
	<i>For Intumescent Seal, Add</i>	1.50			
08 72 33 00-0157	LF 1/2" x 3/16", Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko PK55)	4.85		3.21	
	<i>For Intumescent Seal, Add</i>	1.50			
08 72 33 00-0158	LF 1/2" x 1/4", Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S88).....	6.37		3.21	
08 72 33 00-0159	LF 7/16" x 5/16", Silicone Single Fin, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S44)	5.28		3.21	
08 72 33 00-0160	LF 5/16" x 1/2", Silicone Single Fin, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S77)	7.02		3.21	
	<i>For Intumescent Seal, Add</i>	1.50			
08 72 33 00-0161	LF 1/2" x 3/8", Silicone Triple Fin, Hospitality, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S773).....	6.50		3.21	
	<i>For Intumescent Seal, Add</i>	1.50			
08 72 33 00-0162	LF 7/16" x 5/16", Intumescent And Silicone Single Fin, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko HSS2000xS44).....	8.65		3.21	
08 72 33 00-0163	LF 1/2" x 1/4", Intumescent And Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko HSS2000xS88).....	7.98		3.21	
08 72 33 00-0164	Kerf-In Perimeter Gasketing Weather-Strip (08 72 33 00-0154)				
08 72 33 00-0165	LF 3/8" x 1/4" Silicone Bulb, Kerf-In Perimeter Gasketing Weather-Strip (Pemko P50).....	4.25		3.21	
08 72 33 00-0166	LF 7/16" x 3/8" Silicone Bulb, Kerf-In Perimeter Gasketing Weather-Strip (Pemko S52).....	6.45		3.21	
08 72 33 00-0167	LF 3/8" Foam, Kerf-In Perimeter Gasketing Weather-Strip (Pemko Q103).....	4.79		3.21	
08 72 33 00-0168	LF 5/8" Foam, Kerf-In Perimeter Gasketing Weather-Strip (Pemko Q102).....	4.72		3.21	
08 72 33 00-0169	LF 3/8" Magnetic, Kerf-In Perimeter Gasketing Weather-Strip (Pemko MAG349).....	6.22		3.21	
08 72 33 00-0170	Cushion/Spring Perimeter Gasketing Weather-Strip (08 72 33 00-0154)				
08 72 33 00-0171	Spring Bronze Perimeter Gasketing Weather-Strip (08 72 33 00-0170)				
08 72 33 00-0172	LF 1-1/8" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70C).....	9.83		3.21	
08 72 33 00-0173	LF 1-1/4" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70D).....	9.83		3.21	
08 72 33 00-0174	LF 1-3/8" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70E).....	10.51		3.21	
08 72 33 00-0175	LF 1-1/2" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70F).....	10.65		3.21	

Cal Poly Humboldt.		Openings 08		08
		Hardware 08 70		
		Weatherstripping, Thresholds and Seals 08 72		
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
		UNIT COST	UNIT COST	
08 72 33 00-0176	Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (08 72 33 00-0170)			
08 72 33 00-0177	LF 5/8" Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B73)	9.46	3.21	
08 72 33 00-0178	LF 7/8" Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B74)	10.51	3.21	
08 72 33 00-0179	LF 1-1/8" Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B75)	11.66	3.21	
08 72 33 00-0180	Aluminum Retainer, Perimeter Gasketing Weather-Strip (08 72 33 00-0154)			
08 72 33 00-0181	Aluminum Retainer, Perimeter Gasketing Weather-Strip (08 72 33 00-0180)			
08 72 33 00-0182	LF 1/4" Vinyl Insert, 13/16" Width, 1/4" Height, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 297AV)	9.00	3.21	
	For Silicone Insert, Add	0.95		
	For Color Anodized Finish, Add	2.58		
08 72 33 00-0183	LF 1/4" Vinyl Insert, 11/16" Width, 1/4" Height, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 316AV)	9.00	3.21	
	For Silicone Insert, Add	0.95		
	For Color Anodized Finish, Add	2.58		
08 72 33 00-0184	LF 1/4" Vinyl Insert, 7/8" Width, 1/4" Height, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 303AV)	9.00	3.21	
	For Silicone Insert, Add	0.95		
	For Color Anodized Finish, Add	2.58		
08 72 33 00-0185	LF 3/8" Neoprene Insert, 7/8" Width, 3/16" Height, Clear Anodized Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 305CN).....	15.83	3.21	
	For Silicone Insert, Add	0.63		
	For Color Anodized Finish, Add	1.88		
08 72 33 00-0186	LF 3/16" Vinyl Or Pile Insert, 3/4" Width, 3/8" Height, Clear Anodized Aluminum Retainer, Perimeter Gasketing Weather-Strip With Concealed Fasteners (Pemko 29310CV)	16.28	3.21	
	For Color Anodized Finish, Add	4.93		
	For Silicone Insert, Add	0.95		
08 72 33 00-0187	LF Neoprene Sponge Insert, 1-5/8" Width, 7/16" Height, Clear Anodized Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 375CR).....	16.28	3.21	
	For Color Anodized Finish, Add	3.45		
08 72 33 00-0188	Heavy-Duty, Aluminum Retainer, Perimeter Gasketing Weather-Strip (08 72 33 00-0180)			
08 72 33 00-0189	Standard Jamb, Heavy-Duty, Aluminum Retainer, Perimeter Gasketing Weather-Strip (08 72 33 00-0188)			
08 72 33 00-0190	LF 1/4" Vinyl Insert, 1-1/2" Width, 1/4" Height, Standard Jamb, Heavy-Duty, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 290AV)	15.50	3.21	
	For Silicone Insert, Add	0.95		
08 72 33 00-0191	Head Section, Heavy-Duty, Aluminum Retainer, Perimeter Gasketing Weather-Strip (08 72 33 00-0188)			
08 72 33 00-0192	LF 1/4" Vinyl Insert, 1-1/2" Width, 1/4" Height, Head Section, Heavy-Duty, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 2891AV)	17.27	3.21	
08 72 33 00-0193	Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (08 72 33 00-0154)			
08 72 33 00-0194	Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (08 72 33 00-0193)			
08 72 33 00-0195	LF 3/8" Neoprene Insert, 7/8" Width, 3/16" Height, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (Pemko 305BR).....	26.89	3.21	
	For Silicone Insert, Add	1.58		
08 72 33 00-0196	LF Neoprene Sponge Insert, 1-5/8" Width, 7/16" Height, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (Pemko 375BR).....	45.23	3.21	
08 72 33 00-0197	Heavy-Duty, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (08 72 33 00-0193)			
08 72 33 00-0198	Standard Jamb, Heavy-Duty, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (08 72 33 00-0197)			
08 72 33 00-0199	LF 1/4" Vinyl Insert, 1-1/2" Width, 1/4" Height, Standard Jamb, Heavy-Duty, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (Pemko 290BV)	39.13	3.21	
	For Silicone Insert, Add	0.63		
08 72 33 00-0200	Aluminum Interlock, Perimeter Gasketing Weather-Strip (08 72 33 00-0154)			
08 72 33 00-0201	LF Side Mount, Mill Aluminum, Interlock Perimeter Gasketing Weather-Strip (Pemko 335AR, 336A).....	22.11	6.42	
	Note: For weather-stripping latch or hinge side of door. Includes aluminum interlocking devices for door and door frame.			
	For Color Anodized Finish, Add	3.71		
08 72 33 00-0202	LF Top Mount, Mill Aluminum, Interlock Perimeter Gasketing Weather-Strip (Pemko 347A, 68AR)	22.90	6.42	
	Note: For weather-stripping the top of doors. Includes rain drip shield and aluminum interlocking devices for door and door frame.			
	For Color Anodized Finish, Add	4.03		
08 72 33 00-0203	Adjustable Aluminum Retainer, Perimeter Gasketing Weather-Strip (08 72 33 00-0154)			
	Note: Seals gaps from 1/16" to 1/4".			
08 72 33 00-0204	LF Sponge Neoprene Insert, 7/8" Width, 1-3/8" Height, Adjustable, Clear Anodized Aluminum Retainer, Stop Gasketing Weather-Strip (Pemko 350CSR)	28.51	3.21	
	For Color Anodized Finish, Add	4.42		

08 Openings**08 70 Hardware****08 72 Weatherstripping, Thresholds and Seals**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 72 33 00-0205	LF	Sponge Neoprene Insert, 7/8" Width, 1-3/8" Height, Adjustable, Clear Anodized Aluminum Retainer, Jamb Gasketing Weather-Strip (Pemko 350CR).....	30.08	3.21
		<i>For Color Anodized Finish, Add</i>	4.73	

08 72 33 00-0206		Perimeter Gasketing Weather-Strip Applied To Header (08 72 33 00-0154)		
08 72 33 00-0207	LF	1-1/2" Wide x 1/4" High, Silicon Insert, Perimeter Gasketing (Pemko 2891AS).....	19.33	6.42

08 72 43 Thresholds (08 72)

08 72 43 00-0001		Thresholds (08 72 43) Note: Includes material, fasteners, installation, caulk and sealants.		
08 72 43 00-0002		Metal Thresholds (08 72 43 00-0001)		
08 72 43 00-0003		Saddle Thresholds (08 72 43 00-0002)		
08 72 43 00-0004		Aluminum Saddle Thresholds (08 72 43 00-0003) Note: Includes mill finish.		
08 72 43 00-0005		3/16" Height, Aluminum Saddle Thresholds (08 72 43 00-0004)		
08 72 43 00-0006	LF	2-1/4" Width, 3/16" Height, Aluminum Saddle Threshold (Pemko 173A).....	34.18	10.27
		<i>For Color Anodized Finish, Add</i>	3.41	

08 72 43 00-0007		1/4" Height, Aluminum Saddle Thresholds (08 72 43 00-0004)		
08 72 43 00-0008	LF	3" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 151A).....	37.99	10.27
		<i>For Color Anodized Finish, Add</i>	4.93	
08 72 43 00-0009	LF	4" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 270A).....	44.18	12.83
		<i>For Color Anodized Finish, Add</i>	8.47	
08 72 43 00-0010	LF	5" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 271A).....	48.46	12.83
		<i>For Color Anodized Finish, Add</i>	8.19	
08 72 43 00-0011	LF	6" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 272A).....	53.60	12.83
		<i>For Color Anodized Finish, Add</i>	7.53	
08 72 43 00-0012	LF	7" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 276A).....	61.22	12.83
		<i>For Color Anodized Finish, Add</i>	7.29	
08 72 43 00-0013	LF	8" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 2748A).....	73.47	15.40
		<i>For Color Anodized Finish, Add</i>	8.74	
08 72 43 00-0014	LF	9" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 2749A).....	78.63	15.40
		<i>For Color Anodized Finish, Add</i>	10.03	
08 72 43 00-0015	LF	10" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 2750A).....	86.85	15.40
		<i>For Color Anodized Finish, Add</i>	12.09	

08 72 43 00-0016		5/16" Height, Aluminum Saddle Thresholds (08 72 43 00-0004)		
08 72 43 00-0017	LF	2-1/2" Width, 5/16" Height, Aluminum Saddle Threshold (Pemko 166A).....	37.32	10.27
		<i>For Color Anodized Finish, Add</i>	4.08	

08 72 43 00-0018		1/2" Height, Aluminum Saddle Thresholds (08 72 43 00-0004)		
08 72 43 00-0019	LF	3" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 169A).....	37.55	10.27
		<i>For Color Anodized Finish, Add</i>	5.94	
08 72 43 00-0020	LF	4" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 170A).....	45.98	12.83
		<i>For Color Anodized Finish, Add</i>	9.73	
08 72 43 00-0021	LF	5" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 171A).....	50.35	12.83
		<i>For Color Anodized Finish, Add</i>	9.14	
08 72 43 00-0022	LF	6" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 172A).....	54.04	12.83
		<i>For Color Anodized Finish, Add</i>	7.69	
08 72 43 00-0023	LF	7" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 176A).....	61.22	12.83
		<i>For Color Anodized Finish, Add</i>	7.29	
08 72 43 00-0024	LF	8" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 2548A).....	76.16	15.40
		<i>For Color Anodized Finish, Add</i>	13.18	
08 72 43 00-0025	LF	9" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 2549A).....	80.87	15.40
		<i>For Color Anodized Finish, Add</i>	16.94	
08 72 43 00-0026	LF	10" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 2550A).....	85.58	15.40
		<i>For Color Anodized Finish, Add</i>	18.83	
08 72 43 00-0027	LF	4" Width, 1/2" Height, Aluminum Saddle Threshold (Zero 654A).....	49.86	12.83
08 72 43 00-0028	LF	5" Width, 1/2" Height, Aluminum Saddle Threshold (Zero 655A).....	53.35	12.83
		<i>For Color Anodized Finish, Add</i>	10.64	

08 72 43 00-0029		Brass/Bronze Saddle Thresholds (08 72 43 00-0003)		
08 72 43 00-0030		3/16" Height, Brass/Bronze Saddle Thresholds (08 72 43 00-0029)		
08 72 43 00-0031	LF	2-1/4" Width, 3/16" Height, Brass/Bronze Saddle Threshold (Pemko 173B).....	81.34	10.27

08 72 43 00-0032		1/4" Height, Brass/Bronze Saddle Thresholds (08 72 43 00-0029)		
08 72 43 00-0033	LF	3" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 151B).....	123.92	10.27
08 72 43 00-0034	LF	4" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 270B).....	149.98	12.83
08 72 43 00-0035	LF	5" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 271B).....	179.45	12.83
08 72 43 00-0036	LF	6" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 272B).....	208.11	12.83
08 72 43 00-0037	LF	7" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 276B).....	240.86	12.83
08 72 43 00-0038	LF	8" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 274X4B).....	308.69	15.40

08 72 43 00-0039		1/2" Height, Brass/Bronze Saddle Thresholds (08 72 43 00-0029)		
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		Openings	08	08
		Hardware	08 70	
Weatherstripping, Thresholds and Seals			08 72	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 43 00-0040	LF	4" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 170B)	163.08	12.83
08 72 43 00-0041	LF	5" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 171B)	195.83	12.83
08 72 43 00-0042	LF	6" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 172B)	228.58	12.83
08 72 43 00-0043	LF	7" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 176B)	269.51	12.83
08 72 43 00-0044	LF	8" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 254X4B)	381.01	15.40
08 72 43 00-0045	LF	10" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 255X5B)	362.24	15.40
08 72 43 00-0046		Stainless Steel Saddle Thresholds (08 72 43 00-0003)		
08 72 43 00-0047		1/2" Height, Stainless Steel Saddle Thresholds (08 72 43 00-0046)		
08 72 43 00-0048	LF	4" Width, 1/2" Height, Stainless Steel Saddle Threshold (Pemko 175SS)	138.51	12.83
08 72 43 00-0049	LF	5" Width, 1/2" Height, Stainless Steel Saddle Threshold (Pemko 154SS)	146.70	12.83
08 72 43 00-0050		Half Saddle Thresholds (08 72 43 00-0002)		
08 72 43 00-0051		Aluminum Half Saddle Thresholds (08 72 43 00-0050) Note: Includes mill finish.		
08 72 43 00-0052		1/2" Height, Aluminum Half Saddle Thresholds (08 72 43 00-0051)		
08 72 43 00-0053	LF	2.94" Width, 1/2" Height, Aluminum Butt (Half Saddle) Threshold (Zero 623A)	44.29	12.83
08 72 43 00-0054		3/4" Height, Aluminum Half Saddle Thresholds (08 72 43 00-0051)		
08 72 43 00-0055	LF	5" Width, 3/4" Height, Aluminum Half Saddle Threshold (Pemko 1875A)	54.57	12.83
		For Color Anodized Finish, Add	9.00	
08 72 43 00-0056	LF	7" Width, 3/4" Height, Aluminum Half Saddle Threshold (Pemko 1877A)	70.85	12.83
		For Color Anodized Finish, Add	3.88	
08 72 43 00-0057		Offset Saddle Thresholds (08 72 43 00-0002)		
08 72 43 00-0058		Aluminum Offset Saddle Thresholds (08 72 43 00-0057) Note: Includes mill finish.		
08 72 43 00-0059		1/2" Height, Aluminum Offset Saddle Thresholds (08 72 43 00-0058)		
08 72 43 00-0060	LF	5-1/2" Width, 1/2" Height, 1/4" Offset, Aluminum Offset Saddle Threshold (Pemko 158A)	54.72	12.83
		For Color Anodized Finish, Add	11.32	
08 72 43 00-0061	LF	7" Width, 1/2" Height, 1/4" Offset, Aluminum Offset Saddle Threshold (Pemko 2727A)	60.54	12.83
		For Color Anodized Finish, Add	9.96	
08 72 43 00-0062		3/4" Height, Aluminum Offset Saddle Thresholds (08 72 43 00-0058)		
08 72 43 00-0063	LF	5-1/2" Width, 3/4" Height, 1/2" Offset, Aluminum Offset Saddle Threshold (Pemko 157A)	54.72	12.83
		For Color Anodized Finish, Add	11.32	
08 72 43 00-0064		1" Height, Aluminum Offset Saddle Thresholds (08 72 43 00-0058)		
08 72 43 00-0065	LF	7" Width, 1" Height, 1/2" Offset, Aluminum Offset Saddle Threshold (Pemko 182A)	62.78	12.83
		For Color Anodized Finish, Add	10.75	
08 72 43 00-0066		Modular Ramp Thresholds (08 72 43 00-0001) Note: Includes mill finish.		
08 72 43 00-0067		Flush, Aluminum Modular Ramp Thresholds (08 72 43 00-0066)		
08 72 43 00-0068	LF	6-1/8" Length, 1/2" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R.5FA)	58.13	12.83
		For Non-Slip Surfacing, Add	97.41	
08 72 43 00-0069	LF	9-1/4" Length, 3/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R.75FA)	72.71	14.12
		For Non-Slip Surfacing, Add	124.52	
08 72 43 00-0070	LF	12-3/8" Length, 1" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1FA)	92.57	16.04
		For Non-Slip Surfacing, Add	169.37	
08 72 43 00-0071	LF	15-1/2" Length, 1-1/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1.25FA)	117.94	16.68
		For Non-Slip Surfacing, Add	228.34	
08 72 43 00-0072	LF	18-5/8" Length, 1-1/2" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1.5FA)	137.36	17.97
		For Non-Slip Surfacing, Add	304.29	
08 72 43 00-0073	LF	21-3/4" Length, 1-3/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1.75FA)	170.31	19.89
		For Non-Slip Surfacing, Add	339.38	
08 72 43 00-0074	LF	24-7/8" Length, 2" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R2FA)	189.99	21.82
		For Non-Slip Surfacing, Add	380.51	
08 72 43 00-0075	LF	28" Length, 2-1/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R2.25FA)	201.52	23.10
		For Non-Slip Surfacing, Add	388.30	
08 72 43 00-0076		3-1/2" Top Plate, Offset, Aluminum Modular Ramp Thresholds (08 72 43 00-0066)		
08 72 43 00-0077	LF	12-3/4" Length, 1/2" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.5OSSA)	98.78	16.04
		For Non-Slip Surfacing, Add	180.09	
08 72 43 00-0078	LF	15-7/8" Length, 3/4" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.75OSSA)	116.09	16.68
		For Non-Slip Surfacing, Add	223.34	
08 72 43 00-0079	LF	18" Length, 1" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1OSSA)	145.30	19.25
		For Non-Slip Surfacing, Add	277.65	
08 72 43 00-0080	LF	22-1/8" Length, 1-1/4" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.25OSSA)	170.90	20.54
		For Non-Slip Surfacing, Add	337.56	
08 72 43 00-0081	LF	25-1/4" Length, 1-1/2" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.5OSSA)	196.40	21.82
		For Non-Slip Surfacing, Add	397.18	
08 72 43 00-0082	LF	28-3/8" Length, 1-3/4" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.75OSSA)	214.78	23.10
		For Non-Slip Surfacing, Add	438.31	

08 Openings**08 70 Hardware****08 72 Weatherstripping, Thresholds and Seals**

		MINOR			TOTAL DIRECT	DEMOLITION
		CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 72 43 00-0083	LF	31-1/2" Length, 2" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R2OSSA)		.....	263.39	24.39
		For Non-Slip Surfacing, Add			558.04	
08 72 43 00-0084		7" Top Plate, Offset, Aluminum Modular Ramp Thresholds (08 72 43 00-0086)				
08 72 43 00-0085	LF	16-1/4" Length, 1/2" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.5OSA)		.....	114.35	17.33
		For Non-Slip Surfacing, Add			223.13	
08 72 43 00-0086	LF	19-3/8" Length, 3/4" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.75OSA)		.....	134.23	19.25
		For Non-Slip Surfacing, Add			268.02	
08 72 43 00-0087	LF	22-1/2" Length, 1" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1OSA)		.....	160.86	20.54
		For Non-Slip Surfacing, Add			323.43	
08 72 43 00-0088	LF	25-5/8" Length, 1-1/4" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.25OSA)		.....	180.30	21.82
		For Non-Slip Surfacing, Add			368.98	
08 72 43 00-0089	LF	28-3/4" Length, 1-1/2" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.5OSA)		.....	211.96	23.10
		For Non-Slip Surfacing, Add			430.98	
08 72 43 00-0090	LF	31-7/8" Length, 1-3/4" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.75OSA)		.....	230.34	24.39
		For Non-Slip Surfacing, Add			472.11	
08 72 43 00-0091	LF	35" Length, 2" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R2OSA)		.....	265.97	25.66
		For Non-Slip Surfacing, Add			536.58	
08 72 43 00-0092		Accessories For Aluminum Modular Ramp Thresholds (08 72 43 00-0086)				
08 72 43 00-0093		Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds (08 72 43 00-0092)				
08 72 43 00-0094	PR	Up To 1" Height, Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds		.....	273.01	16.04
		For Non-Slip Surfacing, Add			28.91	
08 72 43 00-0095	PR	>1" To 1-1/4" Height, Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds		.....	420.56	16.04
		For Non-Slip Surfacing, Add			46.62	
08 72 43 00-0096	PR	>1-1/4" To 2-1/4" Height, Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds		.....	833.09	22.46
		For Non-Slip Surfacing, Add			94.58	
08 72 43 00-0097		Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds (08 72 43 00-0092)				
08 72 43 00-0098	PR	Up To 1/2" Height, Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds		.....	273.01	16.04
		For Non-Slip Surfacing, Add			28.91	
08 72 43 00-0099	PR	>1/2" To 1" Height, Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds		.....	420.56	16.04
		For Non-Slip Surfacing, Add			46.62	
08 72 43 00-0100	PR	>1" To 2" Height, Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds		.....	833.09	22.46
		For Non-Slip Surfacing, Add			94.58	
08 72 43 00-0101		Latching Panic Exit Saddle Thresholds (08 72 43 00-0001) Note: Includes vinyl or pile seal.				
08 72 43 00-0102		Aluminum, Latching Panic Exit Saddle Thresholds (08 72 43 00-0101) Note: Includes mill finish.				
08 72 43 00-0103		Aluminum, Latching Panic Exit Saddle Thresholds (08 72 43 00-0102)				
08 72 43 00-0104		7/8" Height, Aluminum, Latching Panic Exit Saddle Thresholds (08 72 43 00-0103)				
08 72 43 00-0105	LF	4" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 252X226AP)		.....	66.37	12.83
		For Color Anodized Finish, Add			12.00	
		For Thermoseal, Add			0.63	
08 72 43 00-0106	LF	5" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 177AP)		.....	54.94	12.83
		For Color Anodized Finish, Add			11.43	
		For Thermoseal, Add			0.63	
08 72 43 00-0107	LF	6" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 254X226AP)		.....	73.54	12.83
		For Color Anodized Finish, Add			14.51	
		For Thermoseal, Add			0.63	
08 72 43 00-0108	LF	7" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 255X226AP)		.....	76.68	12.83
		For Color Anodized Finish, Add			15.61	
		For Thermoseal, Add			0.63	
08 72 43 00-0109		1" Height, Aluminum, Latching Panic Exit Saddle Thresholds (08 72 43 00-0103)				
08 72 43 00-0110	LF	3-5/8" Width, 1" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 185AP)		.....	52.25	12.83
		For Color Anodized Finish, Add			10.09	
		For Thermoseal, Add			0.63	
08 72 43 00-0111	LF	5" Width, 1" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 181AP)		.....	55.39	12.83
		For Color Anodized Finish, Add			11.66	
		For Thermoseal, Add			0.63	
08 72 43 00-0112		Thermal Barrier, Aluminum, Latching Panic Exit Saddle Thresholds (08 72 43 00-0102)				
08 72 43 00-0113		7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Thresholds (08 72 43 00-0112)				
08 72 43 00-0114	LF	4-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 252X226AFGP)		.....	58.75	12.83
		For Color Anodized Finish, Add			10.67	
		For Thermoseal, Add			0.63	
08 72 43 00-0115	LF	5-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 253X226AFGP)		.....	61.66	12.83
		For Color Anodized Finish, Add			11.83	
		For Thermoseal, Add			0.63	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 43 00-0116	LF		6-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 254X226AFGP).....	65.92	12.83
			For Color Anodized Finish, Add	11.84	
			For Thermoseal, Add	0.63	
08 72 43 00-0117	LF		7-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 255X226AFGP).....	70.74	12.83
			For Color Anodized Finish, Add	13.53	
			For Thermoseal, Add	0.63	
08 72 43 00-0118			Brass/Bronze, Latching Panic Exit Saddle Thresholds (08 72 43 00-0101)		
08 72 43 00-0119			Brass/Bronze, Latching Panic Exit Saddle Thresholds (08 72 43 00-0118)		
08 72 43 00-0120			7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Thresholds (08 72 43 00-0119)		
08 72 43 00-0121	LF		4" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 252X226BV).....	230.21	12.83
			For Thermoseal, Add	0.63	
08 72 43 00-0122	LF		5" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 177BV).....	213.84	12.83
			For Thermoseal, Add	0.63	
08 72 43 00-0123	LF		6" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 254X226BV).....	305.54	12.83
			For Thermoseal, Add	0.63	
08 72 43 00-0124	LF		7" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 255X226BV).....	273.77	12.83
			For Thermoseal, Add	0.63	
08 72 43 00-0125			1" Height, Brass/Bronze, Latching Panic Exit Saddle Thresholds (08 72 43 00-0119)		
08 72 43 00-0126	LF		5" Width, 1" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 181BV).....	226.61	12.83
			For Thermoseal, Add	0.63	
08 72 43 00-0127			Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Thresholds (08 72 43 00-0118)		
08 72 43 00-0128			7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Thresholds (08 72 43 00-0127)		
08 72 43 00-0129	LF		4-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 252X226BFGV).....	235.67	14.12
			For Thermoseal, Add	0.63	
08 72 43 00-0130	LF		5-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 253X226BFGV).....	246.97	14.12
			For Thermoseal, Add	0.63	
08 72 43 00-0131	LF		6-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 254X226BFGV).....	308.05	14.12
			For Thermoseal, Add	0.63	
08 72 43 00-0132	LF		7-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 255X226BFGV).....	281.25	14.76
			For Thermoseal, Add	0.63	
08 72 43 00-0133			Carpet Separator Thresholds (08 72 43 00-0001)		
08 72 43 00-0134			Aluminum, Carpet Separator Thresholds (08 72 43 00-0133) Note: Includes mill finish.		
08 72 43 00-0135			3/8" Height, Aluminum, Carpet Separator Thresholds (08 72 43 00-0134)		
08 72 43 00-0136	LF		2-1/2" Width, 3/8" Height, Aluminum, Carpet Separator Threshold (Pemko 174C).....	39.33	10.27
			For Color Anodized Finish, Add	5.47	
08 72 43 00-0137			7/16" Height, Aluminum, Carpet Separator Thresholds (08 72 43 00-0134)		
08 72 43 00-0138	LF		1-3/4" Width, 7/16" Height, Aluminum, Carpet Separator Threshold (Pemko 236A).....	31.87	8.98
			For Color Anodized Finish, Add	3.29	
08 72 43 00-0139	LF		4" Width, 7/16" Height, Aluminum, Carpet Separator Threshold (Pemko 2364A).....	48.89	10.27
			For Color Anodized Finish, Add	6.72	
08 72 43 00-0140	LF		6" Width, 7/16" Height, Aluminum, Carpet Separator Threshold (Pemko 2366A).....	58.30	10.27
			For Color Anodized Finish, Add	10.49	
08 72 43 00-0141			1/2" Height, Aluminum, Carpet Separator Thresholds (08 72 43 00-0134)		
08 72 43 00-0142	LF		1-3/8" Width, 1/2" Height, Aluminum, Carpet Separator Threshold (Pemko 1951A).....	28.96	8.98
			For Color Anodized Finish, Add	1.63	
08 72 43 00-0143			3/4" Height, Aluminum, Carpet Separator Thresholds (08 72 43 00-0134)		
08 72 43 00-0144	LF		1-3/4" Width, 3/4" Height, Aluminum, Carpet Separator Threshold (Pemko 246A).....	31.87	8.98
			For Color Anodized Finish, Add	2.82	
08 72 43 00-0145	LF		3" Width, 3/4" Height, Aluminum, Carpet Separator Threshold (Pemko 230A).....	49.56	12.83
			For Color Anodized Finish, Add	6.99	
08 72 43 00-0146	LF		4" Width, 3/4" Height, Aluminum, Carpet Separator Threshold (Pemko 2464A).....	52.25	12.83
			For Color Anodized Finish, Add	6.05	
08 72 43 00-0147			Brass/Bronze, Carpet Separator Thresholds (08 72 43 00-0133)		
08 72 43 00-0148			3/8" Height, Brass/Bronze, Carpet Separator Thresholds (08 72 43 00-0147)		
08 72 43 00-0149	LF		2-1/2" Width, 3/8" Height, Brass/Bronze, Carpet Separator Threshold (Pemko 174B).....	125.71	10.27

08 Openings**08 70 Hardware****08 72 Weatherstripping, Thresholds and Seals**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 72 43 00-0150		7/16" Height, Brass/Bronze, Carpet Separator Thresholds (08 72 43 00-0147)		
08 72 43 00-0151	LF	1-3/4" Width, 7/16" Height, Brass/Bronze, Carpet Separator Threshold (Pemko 236B).....	164.30	8.98
08 72 43 00-0152	LF	4" Width, 7/16" Height, Brass/Bronze, Carpet Separator Threshold (Pemko 2364B).....	150.80	12.83
08 72 43 00-0153		Vinyl Transition Thresholds (08 72 43 00-0001)		
		Note: Serves as a transition where carpet meets carpet, tile, VCT or concrete beneath a door.		
08 72 43 00-0154		Carpet To Carpet, Vinyl Transition Thresholds (08 72 43 00-0153)		
		Note: Serves as a transition where carpet meets carpet beneath a door.		
08 72 43 00-0155	LF	2-3/4" Width, 23/32" Height, Carpet To Carpet, Vinyl Transition Threshold (Pemko V232BL).....	47.55	10.27
08 72 43 00-0156		Carpet To Tile, Vinyl Transition Thresholds (08 72 43 00-0153)		
		Note: Serves as a transition where carpet meets tile beneath a door.		
08 72 43 00-0157	LF	2-3/4" Width, 23/32" Height, Carpet To Tile, Vinyl Transition Threshold (Pemko V2325BL).....	47.55	10.27
08 72 43 00-0158		Carpet To Concrete, Vinyl Transition Thresholds (08 72 43 00-0153)		
		Note: Serves as a transition where carpet meets concrete beneath a door.		
08 72 43 00-0159	LF	3-1/2" Width, 23/32" Height, Carpet To Concrete, Vinyl Transition Threshold (Pemko V2320BL).....	50.71	12.83
08 72 43 00-0160		Carpet To VCT Tile, Vinyl Transition Thresholds (08 72 43 00-0153)		
		Note: Serves as a transition where carpet meets VCT Tile beneath a door.		
08 72 43 00-0161	LF	3-7/16" Width, 23/32" Height, Carpet To VCT Tile, Vinyl Transition Threshold (Pemko V2322BL)	54.34	12.83
08 72 43 00-0162		Residential Thresholds (08 72 43 00-0001)		
08 72 43 00-0163		Wood Residential Thresholds (08 72 43 00-0162)		
08 72 43 00-0164	LF	1-1/4" Width, 1/4" Height, Oak Residential Threshold (Pemko 2219W).....	20.15	6.42
08 72 43 00-0165	LF	1-3/4" Width, 5/16" Height, Oak Residential Threshold (Pemko 2175W).....	20.90	6.42
08 72 43 00-0166	LF	3" Width, 3/8" Height, Oak Residential Threshold (Pemko 2300W).....	28.49	6.83
08 72 43 00-0167	LF	3-1/2" Width, 1/2" Height, Oak Residential Threshold (Pemko 2350W).....	28.92	7.08
08 72 43 00-0168	LF	5" Width, 1/2" Height, Oak Residential Threshold (Pemko 2500W).....	44.37	7.29
08 72 43 00-0169		Vinyl Top, Wood Residential Thresholds (08 72 43 00-0162)		
08 72 43 00-0170	LF	1-5/8" Width, 15/16" Height, Vinyl Top, Wood Residential Threshold (Pemko 208OAK).....	24.26	6.42
08 72 43 00-0171	LF	3-1/2" Width, 1-1/8" Height, Vinyl Top, Wood Residential Threshold (Pemko 203OAK).....	29.59	7.08
08 72 43 00-0172	LF	3-5/8" Width, 1-3/8" Height, Vinyl Top, Wood Residential Threshold (Pemko 204OAK).....	55.81	7.08
08 72 43 00-0173		Vinyl Top, Aluminum Residential Thresholds (08 72 43 00-0162)		
08 72 43 00-0174	LF	1-3/8" Width, 1/2" Height, Vinyl Top, Aluminum Residential Threshold (Pemko 208AV).....	24.33	6.42
		For Color Anodized Finish, Add	3.32	
08 72 43 00-0175	LF	3-1/4" Width, 3/4" Height, Vinyl Top, Aluminum Residential Threshold (Pemko 206AV).....	28.47	7.08
		For Color Anodized Finish, Add	4.30	
08 72 43 00-0176	LF	3-1/2" Width, 1-1/8" Height, Vinyl Top, Aluminum Residential Threshold (Pemko 207AV).....	30.26	7.08
		For Color Anodized Finish, Add	5.02	
08 72 43 00-0177		Interlocking Residential Thresholds (08 72 43 00-0162)		
08 72 43 00-0178		Aluminum Interlocking Residential Thresholds (08 72 43 00-0177)		
08 72 43 00-0179		1/2" Height, Aluminum Interlocking Residential Thresholds (08 72 43 00-0178)		
08 72 43 00-0180	LF	4-1/4" Width, 1/2" Height, Aluminum Interlocking Residential Threshold (Pemko 114A)	54.75	7.29
		For Color Anodized Finish, Add	10.96	
08 72 43 00-0181		5/8" Height, Aluminum Interlocking Residential Thresholds (08 72 43 00-0178)		
08 72 43 00-0182	LF	3" Width, 5/8" Height, Aluminum Interlocking Residential Threshold (Pemko 121A)	36.12	6.83
		For Color Anodized Finish, Add	5.72	
08 72 43 00-0183	LF	3-1/2" Width, 5/8" Height, Aluminum Interlocking Residential Threshold (Pemko 110A)	32.73	7.08
		For Color Anodized Finish, Add	7.51	
08 72 43 00-0184	LF	4-1/4" Width, 5/8" Height, Aluminum Interlocking Residential Threshold (Pemko 115A)	38.17	7.29
		For Color Anodized Finish, Add	5.99	
08 72 43 00-0185		7/8" Height, Aluminum Interlocking Residential Thresholds (08 72 43 00-0178)		
08 72 43 00-0186	LF	4-1/2" Width, 7/8" Height, Aluminum Interlocking Residential Threshold (Pemko 120A)	41.75	7.29
		For Color Anodized Finish, Add	11.77	
08 72 43 00-0187		Brass/Bronze Interlocking Residential Thresholds (08 72 43 00-0177)		
08 72 43 00-0188		1/2" Height, Brass/Bronze Interlocking Residential Thresholds (08 72 43 00-0187)		
08 72 43 00-0189	LF	4-1/4" Width, 1/2" Height, Brass/Bronze Interlocking Residential Threshold (Pemko 114B).....	169.69	7.29
08 72 43 00-0190		5/8" Height, Brass/Bronze Interlocking Residential Thresholds (08 72 43 00-0187)		
08 72 43 00-0191	LF	3-1/2" Width, 5/8" Height, Brass/Bronze Interlocking Residential Threshold (Pemko 110B).....	128.24	7.08

			Openings	08	08
			Hardware	08 70	
			Weatherstripping, Thresholds and Seals	08 72	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST

08 72 43 00-0192			7/8" Height, Brass/Bronze Interlocking Residential Thresholds (08 72 43 00-0187)		
08 72 43 00-0193	LF		4-1/2" Width, 7/8" Height, Brass/Bronze Interlocking Residential Threshold (Pemko 120B)	173.78	7.29
08 72 43 00-0194	LF		5-3/4" Width, 7/8" Height, 3/4" Offset, Brass/Bronze Interlocking Residential Threshold (Pemko 123B).....	247.98	7.49
08 72 43 00-0195			Residential Door Sills (08 72 43 00-0001)		
08 72 43 00-0196			Fixed Aluminum Residential Door Sills (08 72 43 00-0195)		
08 72 43 00-0197	LF		4-9/16" Width, 1-1/4" Height, Fixed Aluminum Residential Door Sill (Pemko 84514A).....	31.00	7.29
			For Color Anodized Finish, Add	6.39	
08 72 43 00-0198	LF		5-5/8" Width, 1-1/4" Height, Fixed Aluminum Residential Door Sill (Pemko 85514A).....	33.27	7.49
			For Color Anodized Finish, Add	5.81	
08 72 43 00-0199			Adjustable Aluminum Top, Aluminum Residential Door Sills (08 72 43 00-0195)		
08 72 43 00-0200	LF		4-7/8" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 94518A)	44.68	7.29
			For Color Anodized Finish, Add	9.26	
08 72 43 00-0201	LF		5-3/4" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 95518A)	45.87	7.49
			For Color Anodized Finish, Add	9.50	
08 72 43 00-0202			Adjustable Wood Top, Aluminum Residential Door Sills (08 72 43 00-0195)		
08 72 43 00-0203	LF		3-3/4" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 93518AW).....	45.24	7.08
			For Color Anodized Finish, Add	9.64	
08 72 43 00-0204	LF		4-7/8" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 94518AW).....	45.76	7.29
			For Color Anodized Finish, Add	6.89	
08 72 43 00-0205	LF		5-3/4" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 95518AW).....	47.77	7.49
			For Color Anodized Finish, Add	7.26	
08 72 43 00-0206			Extenders For Aluminum Residential Door Sills (08 72 43 00-0195)		
08 72 43 00-0207	LF		3/4" Extender For Aluminum Residential Door Sills (Pemko EXT3/4A)	18.43	6.42
			For Color Anodized Finish, Add	3.92	
08 72 43 00-0208	LF		2" Extender For Aluminum Residential Door Sills (Pemko EXT2A)	20.23	6.42
			For Color Anodized Finish, Add	3.70	
08 72 43 00-0209	LF		3" Extender For Aluminum Residential Door Sills (Pemko EXT3A)	22.02	6.42
			For Color Anodized Finish, Add	2.30	
08 72 43 00-0210			Stone Thresholds (08 72 43 00-0001)		
08 72 43 00-0211			Marble Thresholds (08 72 43 00-0210)		
08 72 43 00-0212	LF		2" Width, 5/8" Height, Plain Marble Threshold.....	22.41	8.63
08 72 43 00-0213	LF		4" Width, 5/8" Height, Plain Marble Threshold.....	24.80	8.63
08 72 43 00-0214	LF		6" Width, 5/8" Height, Plain Marble Threshold.....	27.99	8.63
08 72 43 00-0215	LF		4" Width, 7/8" Height, Plain Marble Threshold.....	35.19	8.63
08 72 43 00-0216	LF		6" Width, 7/8" Height, Plain Marble Threshold.....	43.61	8.63
08 72 43 00-0217			Corian Thresholds (08 72 43 00-0210)		
08 72 43 00-0218	LF		Up To 5-3/4" Width, Corian Threshold.....	93.97	10.65

08 75 Window Hardware (08 70)

08 75 13 Automatic Window Equipment (08 75)

08 75 13 00-0001			Window Opener Electric, With 1/2 HP Motor (08 75 13)		
08 75 13 00-0002	EA		Gym Window Electronic Opener.....	2,151.05	273.47

08 78 Special Function Hardware (08 70)

08 78 00 00-0001			Pad Locks (08 78)		
08 78 00 00-0002	EA		Combination Padlock.....	26.26	6.42
08 78 00 00-0003	EA		Resettable Combination Padlock With Control Key, 4 Digit, 2" Wide Case, 1" Shackle Height.....	60.65	6.42
08 78 00 00-0004	EA		Resettable Combination Padlock, 4 Digit, 2" Wide Case, 1" Shackle Height.....	55.99	6.42
08 78 00 00-0005	EA		Resettable Combination Padlock, 4 Digit, 2" Wide Case, 2-1/4" Shackle Height	61.77	6.42
08 78 00 00-0006	EA		Commercial U-Bar Lock.....	75.13	6.42
08 78 00 00-0007	EA		Weather Tough Padlocks Keyed Alike.....	62.93	6.42
08 78 00 00-0008	EA		High Security Padlocks.....	56.76	6.42
08 78 00 00-0009	EA		Standard Key, Medium Security Padlock Keyed Alike.....	29.65	6.42
08 78 00 00-0010	EA		Russwin Padlock With 01H Padlock.....	75.70	6.42

08 79 Hardware Accessories (08 70)

08 79 13 Key Storage Equipment (08 79)

08 79 13 00-0001			Key Cabinet (08 79 13)		
08 79 13 00-0002			Key Cabinets (08 79 13 00-0001)		

08	08	Openings
	08 70	Hardware
	08 79	Hardware Accessories



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST

08 79 13 00-0003	EA	Wall Mounted Key Cabinet, Up To 30 Keys.....	624.42		23.10
08 79 13 00-0004	EA	Wall Mounted Key Cabinet, Up To 60 Keys.....	845.16		25.66
08 79 13 00-0005	EA	Wall Mounted Key Cabinet, Up To 240 Keys.....	1,906.07		38.51
08 79 13 00-0006	EA	Wall Mounted Key Cabinet, Up To 1,200 Keys.....	4,936.33		51.34
08 79 13 00-0007	EA	Drawer Type Key Cabinet, Up To 600 Keys.....	5,277.64		34.01
08 79 13 00-0008	EA	Drawer Type Key Cabinet, Up To 2,400 Keys.....	11,947.59		25.66
08 79 13 00-0009	EA	Tray Type Key Cabinet, Up To 20 Keys.....	262.22		10.27
08 79 13 00-0010	EA	Tray Type Key Cabinet, Up To 50 Keys.....	374.76		12.83

08 79 13 00-0011		Key Boxes Wall Mounted On Any Type Wall, With Anchor (08 79 13 00-0001)			
08 79 13 00-0012	EA	Key Box, Metal, 30 Key Hooks, Key Lock Door 3" Deep x 10" Wide x 12" High.....	355.40		19.26
08 79 13 00-0013	EA	Key Box, Metal, 60 Key Hooks, Key Lock Door, 3" Deep x 10" Wide x 12" High.....	403.73		19.26
08 79 13 00-0014	EA	Relocate 10" Wide x 12" High x 3" Deep Metal Key Box.....	65.47		
		Note: Including Storage And Cleaning			
08 79 13 00-0015	EA	Relocate Heavy-Duty Key Box, With Combo Lock Door.....	147.64		
		Note: Including Storage And Cleaning			

08 80 Glazing (08)

Note: Includes neoprene setting blocks and spacers and elastomeric sealants for all glazing tasks. Demolition for all glazing includes removal of glazing (broken or whole), sealant compound and/or astragal, taking down and resetting mullion where necessary.

08 81 Glass Glazing (08 80)

08 81 23 Exterior Glass Glazing (08 81)

08 81 23 13 Factory Installed Glass Glazing (08 81 23)

08 81 23 13-0001		Clear Float Factory Installed Glass (08 81 23 13)			
08 81 23 13-0002		Clear Float Factory Installed Glass (08 81 23 13-0001)			
		Note: Type I, Class I, Quality Q3.			
08 81 23 13-0003	SF	1/8" Thick, Clear Float Factory Installed Glass.....	8.37		
		For >50 To 200, Deduct	-0.25		
		For >200 To 400, Deduct	-0.50		
		For >400, Deduct	-0.75		
		For Tinted Glass, Add	2.09		
		For Reflective Coated Glass, Add	3.77		
		For Low-E Coated Glass, Add	2.09		
08 81 23 13-0004	SF	3/16" Thick, Clear Float Factory Installed Glass.....	8.98		
		For >50 To 200, Deduct	-0.27		
		For >200 To 400, Deduct	-0.54		
		For >400, Deduct	-0.81		
		For Tinted Glass, Add	2.25		
		For Reflective Coated Glass, Add	4.04		
		For Low-E Coated Glass, Add	2.25		
08 81 23 13-0005	SF	1/4" Thick, Clear Float Factory Installed Glass.....	10.88		
		For >50 To 200, Deduct	-0.33		
		For >200 To 400, Deduct	-0.65		
		For >400, Deduct	-0.98		
		For Tinted Glass, Add	2.72		
		For Reflective Coated Glass, Add	4.90		
		For Low-E Coated Glass, Add	2.72		
08 81 23 13-0006	SF	5/16" Thick, Clear Float Factory Installed Glass.....	18.09		
		For >50 To 200, Deduct	-0.54		
		For >200 To 400, Deduct	-1.09		
		For >400, Deduct	-1.63		
		For Tinted Glass, Add	4.52		
		For Reflective Coated Glass, Add	8.14		
		For Low-E Coated Glass, Add	4.52		
08 81 23 13-0007	SF	3/8" Thick, Clear Float Factory Installed Glass.....	26.32		
		For >50 To 200, Deduct	-0.79		
		For >200 To 400, Deduct	-1.58		
		For >400, Deduct	-2.37		
		For Tinted Glass, Add	6.58		
		For Reflective Coated Glass, Add	11.84		
		For Low-E Coated Glass, Add	6.58		
08 81 23 13-0008	SF	1/2" Thick, Clear Float Factory Installed Glass.....	28.93		
		For >50 To 200, Deduct	-0.87		
		For >200 To 400, Deduct	-1.74		
		For >400, Deduct	-2.60		
		For Tinted Glass, Add	7.23		
		For Reflective Coated Glass, Add	13.02		
		For Low-E Coated Glass, Add	7.23		
08 81 23 13-0009	SF	5/8" Thick, Clear Float Factory Installed Glass.....	34.60		
		For >50 To 200, Deduct	-1.04		
		For >200 To 400, Deduct	-2.08		
		For >400, Deduct	-3.11		
		For Tinted Glass, Add	8.65		
		For Reflective Coated Glass, Add	15.57		
		For Low-E Coated Glass, Add	8.65		
08 81 23 13-0010	SF	3/4" Thick, Clear Float Factory Installed Glass.....	42.74		
		For >50 To 200, Deduct	-1.28		
		For >200 To 400, Deduct	-2.56		
		For >400, Deduct	-3.85		
		For Tinted Glass, Add	10.69		
		For Reflective Coated Glass, Add	19.23		
		For Low-E Coated Glass, Add	10.69		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 81 23 13-0011		Heat Treated Factory Installed Glass (08 81 23 13)		
08 81 23 13-0012		Tempered, Clear Float Factory Installed Glass (08 81 23 13-0011) Note: Type I, Class I, Quality Q3.		
08 81 23 13-0013	SF	1/8" Thick, Tempered, Clear Float Factory Installed Glass.....	12.45	
		For >50 To 200, Deduct	-0.37	
		For >200 To 400, Deduct	-0.75	
		For >400, Deduct	-1.12	
		For Tinted Glass, Add	3.11	
		For Reflective Coated Glass, Add	5.60	
		For Low-E Coated Glass, Add	3.11	
08 81 23 13-0014	SF	3/16" Thick, Tempered, Clear Float Factory Installed Glass.....	13.31	
		For >50 To 200, Deduct	-0.40	
		For >200 To 400, Deduct	-0.80	
		For >400, Deduct	-1.20	
		For Tinted Glass, Add	3.33	
		For Reflective Coated Glass, Add	5.99	
		For Low-E Coated Glass, Add	3.33	
08 81 23 13-0015	SF	1/4" Thick, Tempered, Clear Float Factory Installed Glass.....	16.18	
		For >50 To 200, Deduct	-0.49	
		For >200 To 400, Deduct	-0.97	
		For >400, Deduct	-1.46	
		For Tinted Glass, Add	4.05	
		For Reflective Coated Glass, Add	7.28	
		For Low-E Coated Glass, Add	4.05	
08 81 23 13-0016	SF	5/16" Thick, Tempered, Clear Float Factory Installed Glass.....	26.94	
		For >50 To 200, Deduct	-0.81	
		For >200 To 400, Deduct	-1.62	
		For >400, Deduct	-2.42	
		For Tinted Glass, Add	6.74	
		For Reflective Coated Glass, Add	12.12	
		For Low-E Coated Glass, Add	6.74	
08 81 23 13-0017	SF	3/8" Thick, Tempered, Clear Float Factory Installed Glass.....	39.15	
		For >50 To 200, Deduct	-1.17	
		For >200 To 400, Deduct	-2.35	
		For >400, Deduct	-3.52	
		For Tinted Glass, Add	9.79	
		For Reflective Coated Glass, Add	17.62	
		For Low-E Coated Glass, Add	9.79	
08 81 23 13-0018	SF	1/2" Thick, Tempered, Clear Float Factory Installed Glass.....	43.01	
		For >50 To 200, Deduct	-1.29	
		For >200 To 400, Deduct	-2.58	
		For >400, Deduct	-3.87	
		For Tinted Glass, Add	10.75	
		For Reflective Coated Glass, Add	19.35	
		For Low-E Coated Glass, Add	10.75	
08 81 23 13-0019	SF	5/8" Thick, Tempered, Clear Float Factory Installed Glass.....	51.46	
		For >50 To 200, Deduct	-1.54	
		For >200 To 400, Deduct	-3.09	
		For >400, Deduct	-4.63	
		For Tinted Glass, Add	12.87	
		For Reflective Coated Glass, Add	23.16	
		For Low-E Coated Glass, Add	12.87	
08 81 23 13-0020	SF	3/4" Thick, Tempered, Clear Float Factory Installed Glass.....	63.57	
		For >50 To 200, Deduct	-1.91	
		For >200 To 400, Deduct	-3.81	
		For >400, Deduct	-5.72	
		For Tinted Glass, Add	15.89	
		For Reflective Coated Glass, Add	28.61	
		For Low-E Coated Glass, Add	15.89	
08 81 23 13-0021		Patterned Factory Installed Glass (08 81 23 13)		
08 81 23 13-0022		Rough Obscure, Factory Installed Glass (08 81 23 13-0021) Note: Class II, Form 3, Finish F1.		
08 81 23 13-0023	SF	1/4" Thick, Rough Obscure, Factory Installed Glass	68.05	
08 81 23 13-0024		Patterned, Figured Factory Installed Glass (08 81 23 13-0021) Note: Kind HS, Type II, Class I, Form 3, Quality Q8, Finish F2, Pattern P4.		
08 81 23 13-0025	SF	1/8" Thick, Patterned, Figured Factory Installed Glass	41.33	
08 81 23 13-0026	SF	7/32" Thick, Patterned, Figured Factory Installed Glass	41.33	
08 81 23 13-0027		Wired Factory Installed Glass (08 81 23 13)		
08 81 23 13-0028		Square Or Diamond Pattern, Wired Factory Installed Glass (08 81 23 13-0027) Note: Class I, Form 2, Mesh M1 Or M2, Pattern P2.		
08 81 23 13-0029	SF	1/4" Thick, Square Pattern, Wired Factory Installed Glass	106.99	
08 81 23 13-0030	SF	1/4" Thick, Diamond Pattern, Wired Factory Installed Glass	106.99	
08 81 23 13-0031		Polished, Wired Factory Installed Glass (08 81 23 13-0027)		
08 81 23 13-0032	SF	1/4" Thick, Polished, Wired Factory Installed Glass	116.95	
08 81 23 13-0033		Frosted Factory Installed Glass (08 81 23 13)		

08 Openings**08 80 Glazing****08 81 Glass Glazing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 81 23 13-0034		Frosted Factory Installed Glass (08 81 23 13-0033)	
08 81 23 13-0035	SF	1/8" Thick, Frosted Factory Installed Glass.....	54.09
		For >50 To 200, Deduct	-1.62
		For >200 To 400, Deduct	-3.25
		For >400, Deduct	-4.87
08 81 23 13-0036	SF	3/16" Thick, Frosted Factory Installed Glass.....	70.97
		For >50 To 200, Deduct	-2.13
		For >200 To 400, Deduct	-4.26
		For >400, Deduct	-6.39
08 81 23 13-0037	SF	1/4" Thick, Frosted Factory Installed Glass.....	89.71
		For >50 To 200, Deduct	-2.69
		For >200 To 400, Deduct	-5.38
		For >400, Deduct	-8.07
08 81 23 13-0038	SF	3/8" Thick, Frosted Factory Installed Glass.....	134.10
		For >50 To 200, Deduct	-4.02
		For >200 To 400, Deduct	-8.05
		For >400, Deduct	-12.07
08 81 23 13-0039		Fire Rated Factory Installed Glass (08 81 23 13)	
08 81 23 13-0040		Fire Rated Factory Installed Glass (08 81 23 13-0039)	
08 81 23 13-0041	SF	20 Minute, Fire Rated Factory Installed Glass	51.39
08 81 23 13-0042	SF	45 Minute, Fire Rated Factory Installed Glass	102.32
08 81 23 13-0043	SF	60 Minute, Fire Rated Factory Installed Glass	158.12
08 81 23 13-0044	SF	90 Minute, Fire Rated Factory Installed Glass	209.28
08 81 23 13-0045		Laminated Factory Installed Glass (08 81 23 13)	
08 81 23 13-0046		Laminated Glass With PVB Interlayer, Factory Installed Glass (08 81 23 13-0045)	
		Note: Type I, Class I, Quality Q3.	
08 81 23 13-0047	SF	1/4" Thick, Laminated Glass With PVB Interlayer, Factory Installed Glass.....	33.93
		For >50 To 200, Deduct	-1.02
		For >200 To 400, Deduct	-2.04
		For >400, Deduct	-3.05
		For Tinted Glass, Add	6.79
		For Reflective Coated Glass, Add	10.18
		For Low-E Coated Glass, Add	8.48
		For One Piece Heat Strengthened Glass, Add	6.79
		For One Piece Fully Tempered Glass, Add	6.79
08 81 23 13-0048	SF	3/8" Thick, Laminated Glass With PVB Interlayer, Factory Installed Glass.....	42.35
		For >50 To 200, Deduct	-1.27
		For >200 To 400, Deduct	-2.54
		For >400, Deduct	-3.81
		For Tinted Glass, Add	8.47
		For Reflective Coated Glass, Add	12.71
		For Low-E Coated Glass, Add	10.59
		For One Piece Heat Strengthened Glass, Add	8.47
		For One Piece Fully Tempered Glass, Add	8.47
08 81 23 13-0049	SF	1/2" Thick, Laminated Glass With PVB Interlayer, Factory Installed Glass.....	48.93
		For >50 To 200, Deduct	-1.47
		For >200 To 400, Deduct	-2.94
		For >400, Deduct	-4.40
		For Tinted Glass, Add	9.79
		For Reflective Coated Glass, Add	14.68
		For Low-E Coated Glass, Add	12.23
		For One Piece Heat Strengthened Glass, Add	9.79
		For One Piece Fully Tempered Glass, Add	9.79
08 81 23 13-0050		Insulated Factory Installed Glass (08 81 23 13)	
08 81 23 13-0051		Insulated, Factory Installed Glass (08 81 23 13-0050)	
		Note: Type I, Class I, Quality Q3.	
08 81 23 13-0052		3/16" Air Space, Insulated, Factory Installed Glass (08 81 23 13-0051)	
		Note: Type I, Class I, Quality Q3.	
08 81 23 13-0053	SF	3/8" Thick, Insulated Factory Installed Glass	20.87
		Note: Two 3/32" lites with 3/16" air space.	
		For >50 To 200, Deduct	-0.63
		For >200 To 400, Deduct	-1.25
		For >400, Deduct	-1.88
		For Tinted Glass, Add	3.13
		For Reflective Coated Glass, Add	6.26
		For Low-E Coated Glass, Add	5.22
		For One Piece Heat Strengthened Glass, Add	4.17
		For One Piece Fully Tempered Glass, Add	4.17
		For One Piece Obscure Glass, Add	8.87
		For Argon Gas, Add	2.87

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0054	SF		1/2" Thick, Insulated Factory Installed Glass.....22.80 Note: One 3/16" lite and one 1/8" lite with 3/16" air space. For >50 To 200, Deduct -0.68 For >200 To 400, Deduct -1.37 For >400, Deduct -2.05 For Tinted Glass, Add 3.42 For Reflective Coated Glass, Add 6.84 For Low-E Coated Glass, Add 5.70 For One Piece Heat Strengthened Glass, Add 4.56 For One Piece Fully Tempered Glass, Add 4.56 For One Piece Obscure Glass, Add 9.69 For Argon Gas, Add 3.14		
08 81 23 13-0055	SF		9/16" Thick, Insulated Factory Installed Glass.....22.84 Note: Two 3/16" lites with 3/16" air space. For >50 To 200, Deduct -0.69 For >200 To 400, Deduct -1.37 For >400, Deduct -2.06 For Tinted Glass, Add 3.43 For Reflective Coated Glass, Add 6.85 For Low-E Coated Glass, Add 5.71 For One Piece Heat Strengthened Glass, Add 4.57 For One Piece Fully Tempered Glass, Add 4.57 For One Piece Obscure Glass, Add 9.71 For Argon Gas, Add 3.14		
08 81 23 13-0056			1/4" Air Space, Insulated, Factory Installed Glass (08 81 23 13-0051) Note: Type I, Class I, Quality Q3.		
08 81 23 13-0057	SF		7/16" Thick, Insulated Factory Installed Glass.....21.48 Note: Two 3/32" lites with 1/4" air space. For >50 To 200, Deduct -0.64 For >200 To 400, Deduct -1.29 For >400, Deduct -1.93 For Tinted Glass, Add 3.22 For Reflective Coated Glass, Add 6.44 For Low-E Coated Glass, Add 5.37 For One Piece Heat Strengthened Glass, Add 4.30 For One Piece Fully Tempered Glass, Add 4.30 For One Piece Obscure Glass, Add 9.13 For Argon Gas, Add 2.95		
08 81 23 13-0058	SF		1/2" Thick, Insulated Factory Installed Glass.....22.80 Note: Two 1/8" lites with 1/4" air space. For >50 To 200, Deduct -0.68 For >200 To 400, Deduct -1.37 For >400, Deduct -2.05 For Tinted Glass, Add 3.42 For Reflective Coated Glass, Add 6.84 For Low-E Coated Glass, Add 5.70 For One Piece Heat Strengthened Glass, Add 4.56 For One Piece Fully Tempered Glass, Add 4.56 For One Piece Obscure Glass, Add 9.69 For Argon Gas, Add 3.14		
08 81 23 13-0059	SF		5/8" Thick, Insulated Factory Installed Glass.....23.06 Note: Two 3/16" lites with 1/4" air space. For >50 To 200, Deduct -0.69 For >200 To 400, Deduct -1.38 For >400, Deduct -2.08 For Tinted Glass, Add 3.46 For Reflective Coated Glass, Add 6.92 For Low-E Coated Glass, Add 5.77 For One Piece Heat Strengthened Glass, Add 4.61 For One Piece Fully Tempered Glass, Add 4.61 For One Piece Obscure Glass, Add 9.80 For Argon Gas, Add 3.17		
08 81 23 13-0060	SF		5/8" Thick, Insulated Factory Installed Glass.....23.06 Note: One 1/4" lite and one 1/8" lite with 1/4" air space. For >50 To 200, Deduct -0.69 For >200 To 400, Deduct -1.38 For >400, Deduct -2.08 For Tinted Glass, Add 3.46 For Reflective Coated Glass, Add 6.92 For Low-E Coated Glass, Add 5.77 For One Piece Heat Strengthened Glass, Add 4.61 For One Piece Fully Tempered Glass, Add 4.61 For One Piece Obscure Glass, Add 9.80 For Argon Gas, Add 3.17		
08 81 23 13-0061	SF		3/4" Thick, Insulated Factory Installed Glass.....26.36 Note: Two 1/4" lites with 1/4" air space. For >50 To 200, Deduct -0.79 For >200 To 400, Deduct -1.58 For >400, Deduct -2.37 For Tinted Glass, Add 3.95 For Reflective Coated Glass, Add 7.91 For Low-E Coated Glass, Add 6.59 For One Piece Heat Strengthened Glass, Add 5.27 For One Piece Fully Tempered Glass, Add 5.27 For One Piece Obscure Glass, Add 11.20 For Argon Gas, Add 3.62		

08 Openings**08 80 Glazing****08 81 Glass Glazing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 81 23 13-0062		3/8" Air Space, Insulated, Factory Installed Glass (08 81 23 13-0051)	
		Note: Type I, Class I, Quality Q3.	
08 81 23 13-0063	SF	5/8" Thick, Insulated Factory Installed Glass	23.06
		Note: Two 1/8" lites with 3/8" air space.	
		For >50 To 200, Deduct	-0.69
		For >200 To 400, Deduct	-1.38
		For >400, Deduct	-2.08
		For Tinted Glass, Add	3.46
		For Reflective Coated Glass, Add	6.92
		For Low-E Coated Glass, Add	5.77
		For One Piece Heat Strengthened Glass, Add	4.61
		For One Piece Fully Tempered Glass, Add	4.61
		For One Piece Obscure Glass, Add	9.80
		For Argon Gas, Add	3.17
08 81 23 13-0064	SF	3/4" Thick, Insulated Factory Installed Glass	24.16
		Note: Two 3/16" lites with 3/8" air space.	
		For >50 To 200, Deduct	-0.72
		For >200 To 400, Deduct	-1.45
		For >400, Deduct	-2.17
		For Tinted Glass, Add	3.62
		For Reflective Coated Glass, Add	7.25
		For Low-E Coated Glass, Add	6.04
		For One Piece Heat Strengthened Glass, Add	4.83
		For One Piece Fully Tempered Glass, Add	4.83
		For One Piece Obscure Glass, Add	10.27
		For Argon Gas, Add	3.32
08 81 23 13-0065	SF	7/8" Thick, Insulated Factory Installed Glass	26.80
		Note: Two 1/4" lites with 3/8" air space.	
		For >50 To 200, Deduct	-0.80
		For >200 To 400, Deduct	-1.61
		For >400, Deduct	-2.41
		For Tinted Glass, Add	4.02
		For Reflective Coated Glass, Add	8.04
		For Low-E Coated Glass, Add	6.70
		For One Piece Heat Strengthened Glass, Add	5.36
		For One Piece Fully Tempered Glass, Add	5.36
		For One Piece Obscure Glass, Add	11.39
		For Argon Gas, Add	3.69
08 81 23 13-0066	SF	1" Thick, Insulated Factory Installed Glass	30.27
		Note: Two 5/16" lites with 3/8" air space.	
		For >50 To 200, Deduct	-0.91
		For >200 To 400, Deduct	-1.82
		For >400, Deduct	-2.72
		For Tinted Glass, Add	4.54
		For Reflective Coated Glass, Add	9.08
		For Low-E Coated Glass, Add	7.57
		For One Piece Heat Strengthened Glass, Add	6.05
		For One Piece Fully Tempered Glass, Add	6.05
		For One Piece Obscure Glass, Add	12.86
		For Argon Gas, Add	4.16
08 81 23 13-0067		1/2" Air Space, Insulated, Factory Installed Glass (08 81 23 13-0051)	
		Note: Type I, Class I, Quality Q3.	
08 81 23 13-0068	SF	3/4" Thick, Insulated Factory Installed Glass	24.16
		Note: Two 1/8" lites with 1/2" air space.	
		For >50 To 200, Deduct	-0.72
		For >200 To 400, Deduct	-1.45
		For >400, Deduct	-2.17
		For Tinted Glass, Add	3.62
		For Reflective Coated Glass, Add	7.25
		For Low-E Coated Glass, Add	6.04
		For One Piece Heat Strengthened Glass, Add	4.83
		For One Piece Fully Tempered Glass, Add	4.83
		For One Piece Obscure Glass, Add	10.27
		For Argon Gas, Add	3.32
08 81 23 13-0069	SF	7/8" Thick, Insulated Factory Installed Glass	26.80
		Note: Two 3/16" lites with 1/2" air space.	
		For >50 To 200, Deduct	-0.80
		For >200 To 400, Deduct	-1.61
		For >400, Deduct	-2.41
		For Tinted Glass, Add	4.02
		For Reflective Coated Glass, Add	8.04
		For Low-E Coated Glass, Add	6.70
		For One Piece Heat Strengthened Glass, Add	5.36
		For One Piece Fully Tempered Glass, Add	5.36
		For One Piece Obscure Glass, Add	11.39
		For Argon Gas, Add	3.69
08 81 23 13-0070	SF	7/8" Thick, Insulated Factory Installed Glass	26.80
		Note: One 1/4" lite and one 1/8" lite with 1/2" air space.	
		For >50 To 200, Deduct	-0.80
		For >200 To 400, Deduct	-1.61
		For >400, Deduct	-2.41
		For Tinted Glass, Add	4.02
		For Reflective Coated Glass, Add	8.04
		For Low-E Coated Glass, Add	6.70
		For One Piece Heat Strengthened Glass, Add	5.36
		For One Piece Fully Tempered Glass, Add	5.36
		For One Piece Obscure Glass, Add	11.39
		For Argon Gas, Add	3.69

			Openings	08	08
			Glazing	08 80	
			Glass Glazing	08 81	
MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
			UNIT COST	UNIT COST	
08 81 23 13-0071	SF	1" Thick, Insulated Factory Installed Glass Note: Two 1/4" lites with 1/2" air space. For >50 To 200, Deduct For >200 To 400, Deduct For >400, Deduct For Tinted Glass, Add For Reflective Coated Glass, Add For Low-E Coated Glass, Add For One Piece Heat Strengthened Glass, Add For One Piece Fully Tempered Glass, Add For One Piece Obscure Glass, Add For Argon Gas, Add	29.30 -0.88 -1.76 -2.64 4.40 8.79 7.33 5.86 5.86 12.45 4.03		
08 81 23 13-0072		Laminated Insulated Glass, Factory Installed Glass (08 81 23 13-0050)	82.04		
08 81 23 13-0073	SF	1" Thick, Laminated Insulating Glass, Factory Installed Glass Note: Insulated glass units consisting of 1/4" thick inner pane, 3/16" air gap, and outer laminated pane of 0.060" PVB film between two layers 1/4" thick glass. For >50 To 200, Deduct For >200 To 400, Deduct For >400, Deduct For Tinted Glass, Add For Reflective Coated Glass, Add For Low-E Coated Glass, Add For Argon Gas, Add	-2.46 -4.92 -7.38 12.31 24.61 20.51 11.28		
08 81 23 13-0074	SF	1-3/16" Thick, Laminated Insulating Glass, Factory Installed Glass Note: Insulated glass units consisting of 1/4" thick inner pane, 3/8" air gap, and outer laminated pane of 0.060" PVB film between two layers 1/4" thick glass. For >50 To 200, Deduct For >200 To 400, Deduct For >400, Deduct For Tinted Glass, Add For Reflective Coated Glass, Add For Low-E Coated Glass, Add For Argon Gas, Add	99.62 -2.99 -5.98 -8.97 14.94 29.89 24.91 13.70		
08 81 23 13-0075	SF	1-5/16" Thick, Laminated Insulating Glass, Factory Installed Glass Note: Insulated glass units consisting of 1/4" thick inner pane, 1/2" air gap, and outer laminated pane of 0.060" PVB film between two layers 1/4" thick glass. For >50 To 200, Deduct For >200 To 400, Deduct For >400, Deduct For Tinted Glass, Add For Reflective Coated Glass, Add For Low-E Coated Glass, Add For Argon Gas, Add	117.20 -3.52 -7.03 -10.55 17.58 35.16 29.30 16.12		
08 81 23 23		Field Installed Glass Glazing (08 81 23)			
08 81 23 23-0001		Clear Float Field Installed Glass (08 81 23 23)			
08 81 23 23-0002		Clear Float Field Installed Glass (08 81 23 23-0001) Note: Type I, Class I, Quality Q3.			
08 81 23 23-0003	SF	1/8" Thick, Clear Float Field Installed Glass For >50 To 200, Deduct For >200 To 400, Deduct For >400, Deduct For Glass Removal And Preparing Opening For New Glazing, Add For Tinted Glass, Add For Reflective Coated Glass, Add For Low-E Coated Glass, Add	21.60 -0.25 -0.50 -0.75 13.23 2.09 3.77 2.09		
08 81 23 23-0004	SF	3/16" Thick, Clear Float Field Installed Glass For >50 To 200, Deduct For >200 To 400, Deduct For >400, Deduct For Glass Removal And Preparing Opening For New Glazing, Add For Tinted Glass, Add For Reflective Coated Glass, Add For Low-E Coated Glass, Add	23.22 -0.27 -0.54 -0.81 14.24 2.25 4.04 2.25		
08 81 23 23-0005	SF	1/4" Thick, Clear Float Field Installed Glass For >50 To 200, Deduct For >200 To 400, Deduct For >400, Deduct For Glass Removal And Preparing Opening For New Glazing, Add For Tinted Glass, Add For Reflective Coated Glass, Add For Low-E Coated Glass, Add	26.14 -0.33 -0.65 -0.98 15.26 2.72 4.90 2.72		
08 81 23 23-0006	SF	5/16" Thick, Clear Float Field Installed Glass For >50 To 200, Deduct For >200 To 400, Deduct For >400, Deduct For Glass Removal And Preparing Opening For New Glazing, Add For Tinted Glass, Add For Reflective Coated Glass, Add For Low-E Coated Glass, Add	35.38 -0.54 -1.09 -1.63 17.29 4.52 8.14 4.52		

08 Openings**08 80 Glazing****08 81 Glass Glazing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 81 23 23-0007	SF	3/8" Thick, Clear Float Field Installed Glass	45.64	
		For >50 To 200, Deduct	-0.79	
		For >200 To 400, Deduct	-1.58	
		For >400, Deduct	-2.37	
		For Glass Removal And Preparing Opening For New Glazing, Add	19.32	
		For Tinted Glass, Add	6.58	
		For Reflective Coated Glass, Add	11.84	
		For Low-E Coated Glass, Add	6.58	
08 81 23 23-0008	SF	1/2" Thick, Clear Float Field Installed Glass	50.29	
		For >50 To 200, Deduct	-0.87	
		For >200 To 400, Deduct	-1.74	
		For >400, Deduct	-2.60	
		For Glass Removal And Preparing Opening For New Glazing, Add	21.36	
		For Tinted Glass, Add	7.23	
		For Reflective Coated Glass, Add	13.02	
		For Low-E Coated Glass, Add	7.23	
08 81 23 23-0009	SF	5/8" Thick, Clear Float Field Installed Glass	61.04	
		For >50 To 200, Deduct	-1.04	
		For >200 To 400, Deduct	-2.08	
		For >400, Deduct	-3.11	
		For Glass Removal And Preparing Opening For New Glazing, Add	26.44	
		For Tinted Glass, Add	8.65	
		For Reflective Coated Glass, Add	15.57	
		For Low-E Coated Glass, Add	8.65	
08 81 23 23-0010	SF	3/4" Thick, Clear Float Field Installed Glass	74.27	
		For >50 To 200, Deduct	-1.28	
		For >200 To 400, Deduct	-2.56	
		For >400, Deduct	-3.85	
		For Glass Removal And Preparing Opening For New Glazing, Add	31.53	
		For Tinted Glass, Add	10.69	
		For Reflective Coated Glass, Add	19.23	
		For Low-E Coated Glass, Add	10.69	
08 81 23 23-0011		Heat Treated Field Installed Glass (08 81 23 23)		
08 81 23 23-0012		Tempered, Clear Float Field Installed Glass (08 81 23 23-0011)		
		Note: Type I, Class I, Quality Q3.		
08 81 23 23-0013	SF	1/8" Thick, Tempered, Clear Float Field Installed Glass	25.68	
		For >50 To 200, Deduct	-0.37	
		For >200 To 400, Deduct	-0.75	
		For >400, Deduct	-1.12	
		For Glass Removal And Preparing Opening For New Glazing, Add	13.23	
		For Tinted Glass, Add	3.11	
		For Reflective Coated Glass, Add	5.60	
		For Low-E Coated Glass, Add	3.11	
08 81 23 23-0014	SF	3/16" Thick, Tempered, Clear Float Field Installed Glass	27.55	
		For >50 To 200, Deduct	-0.40	
		For >200 To 400, Deduct	-0.80	
		For >400, Deduct	-1.20	
		For Glass Removal And Preparing Opening For New Glazing, Add	14.24	
		For Tinted Glass, Add	3.33	
		For Reflective Coated Glass, Add	5.99	
		For Low-E Coated Glass, Add	3.33	
08 81 23 23-0015	SF	1/4" Thick, Tempered, Clear Float Field Installed Glass	31.44	
		For >50 To 200, Deduct	-0.49	
		For >200 To 400, Deduct	-0.97	
		For >400, Deduct	-1.46	
		For Glass Removal And Preparing Opening For New Glazing, Add	15.26	
		For Tinted Glass, Add	4.05	
		For Reflective Coated Glass, Add	7.28	
		For Low-E Coated Glass, Add	4.05	
08 81 23 23-0016	SF	5/16" Thick, Tempered, Clear Float Field Installed Glass	44.23	
		For >50 To 200, Deduct	-0.81	
		For >200 To 400, Deduct	-1.62	
		For >400, Deduct	-2.42	
		For Glass Removal And Preparing Opening For New Glazing, Add	17.29	
		For Tinted Glass, Add	6.74	
		For Reflective Coated Glass, Add	12.12	
		For Low-E Coated Glass, Add	6.74	
08 81 23 23-0017	SF	3/8" Thick, Tempered, Clear Float Field Installed Glass	58.47	
		For >50 To 200, Deduct	-1.17	
		For >200 To 400, Deduct	-2.35	
		For >400, Deduct	-3.52	
		For Glass Removal And Preparing Opening For New Glazing, Add	19.32	
		For Tinted Glass, Add	9.79	
		For Reflective Coated Glass, Add	17.62	
		For Low-E Coated Glass, Add	9.79	
08 81 23 23-0018	SF	1/2" Thick, Tempered, Clear Float Field Installed Glass	64.37	
		For >50 To 200, Deduct	-1.29	
		For >200 To 400, Deduct	-2.58	
		For >400, Deduct	-3.87	
		For Glass Removal And Preparing Opening For New Glazing, Add	21.36	
		For Tinted Glass, Add	10.75	
		For Reflective Coated Glass, Add	19.35	
		For Low-E Coated Glass, Add	10.75	

		Openings	08	08
		Glazing	08 80	
		Glass Glazing	08 81	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
08 81 23 23-0019	SF		5/8" Thick, Tempered, Clear Float Field Installed Glass.....	77.90	
			For >50 To 200, Deduct	-1.54	
			For >200 To 400, Deduct	-3.09	
			For >400, Deduct	-4.63	
			For Glass Removal And Preparing Opening For New Glazing, Add	26.44	
			For Tinted Glass, Add	12.87	
			For Reflective Coated Glass, Add	23.16	
			For Low-E Coated Glass, Add	12.87	
08 81 23 23-0020	SF		3/4" Thick, Tempered, Clear Float Field Installed Glass.....	95.10	
			For >50 To 200, Deduct	-1.91	
			For >200 To 400, Deduct	-3.61	
			For >400, Deduct	-5.72	
			For Glass Removal And Preparing Opening For New Glazing, Add	31.53	
			For Tinted Glass, Add	15.89	
			For Reflective Coated Glass, Add	28.61	
			For Low-E Coated Glass, Add	15.89	
08 81 23 23-0021			Patterned Field Installed Glass (08 81 23 23)		
08 81 23 23-0022			Rough Obscure Field Installed Glass (08 81 23 23-0021)		
			Note: Class II, Form 3, Finish F1.		
08 81 23 23-0023	SF		1/4" Thick, Rough Obscure Field Installed Glass.....	83.31	
			For Glass Removal And Preparing Opening For New Glazing, Add	15.26	
08 81 23 23-0024			Patterned, Figured Field Installed Glass (08 81 23 23-0021)		
			Note: Kind HS, Type II, Class I, Form 3, Quality Q8, Finish F2, Pattern P4.		
08 81 23 23-0025	SF		1/8" Thick, Patterned, Figured Field Installed Glass.....	54.56	
			For Glass Removal And Preparing Opening For New Glazing, Add	13.23	
08 81 23 23-0026	SF		7/32" Thick, Patterned, Figured Field Installed Glass.....	56.08	
			For Glass Removal And Preparing Opening For New Glazing, Add	14.75	
08 81 23 23-0027			Wired Field Installed Glass (08 81 23 23)		
08 81 23 23-0028			Square Or Diamond Pattern, Wired Field Installed Glass (08 81 23 23-0027)		
			Note: Class I, Form 2, Mesh M1 Or M2, Pattern P2.		
08 81 23 23-0029	SF		1/4" Thick, Square Pattern, Wired Field Installed Glass.....	122.25	
			For Glass Removal And Preparing Opening For New Glazing, Add	15.26	
08 81 23 23-0030	SF		1/4" Thick, Diamond Pattern, Wired Field Installed Glass.....	122.25	
			For Glass Removal And Preparing Opening For New Glazing, Add	15.26	
08 81 23 23-0031			Polished, Wired Field Installed Glass (08 81 23 23-0027)		
08 81 23 23-0032	SF		1/4" Thick, Polished, Wired Field Installed Glass.....	132.21	
			For Glass Removal And Preparing Opening For New Glazing, Add	15.26	
08 81 23 23-0033			Frosted Field Installed Glass (08 81 23 23)		
08 81 23 23-0034			Frosted Field Installed Glass (08 81 23 23-0033)		
08 81 23 23-0035	SF		1/8" Thick, Frosted Field Installed Glass.....	67.32	
			For >50 To 200, Deduct	-1.62	
			For >200 To 400, Deduct	-3.25	
			For >400, Deduct	-4.87	
			For Glass Removal And Preparing Opening For New Glazing, Add	13.23	
08 81 23 23-0036	SF		3/16" Thick, Frosted Field Installed Glass.....	85.21	
			For >50 To 200, Deduct	-2.13	
			For >200 To 400, Deduct	-4.26	
			For >400, Deduct	-6.39	
			For Glass Removal And Preparing Opening For New Glazing, Add	14.24	
08 81 23 23-0037	SF		1/4" Thick, Frosted Field Installed Glass.....	104.97	
			For >50 To 200, Deduct	-2.69	
			For >200 To 400, Deduct	-5.38	
			For >400, Deduct	-8.07	
			For Glass Removal And Preparing Opening For New Glazing, Add	15.26	
08 81 23 23-0038	SF		3/8" Thick, Frosted Field Installed Glass.....	153.42	
			For >50 To 200, Deduct	-4.02	
			For >200 To 400, Deduct	-8.05	
			For >400, Deduct	-12.07	
			For Glass Removal And Preparing Opening For New Glazing, Add	19.32	
08 81 23 23-0039			Fire Rated Field Installed Glass (08 81 23 23)		
08 81 23 23-0040			Fire Rated Field Installed Glass (08 81 23 23-0039)		
08 81 23 23-0041	SF		20 Minute, Fire Rated Field Installed Glass.....	66.64	
			For Glass Removal And Preparing Opening For New Glazing, Add	15.25	
08 81 23 23-0042	SF		45 Minute, Fire Rated Field Installed Glass.....	117.57	
			For Glass Removal And Preparing Opening For New Glazing, Add	15.25	
08 81 23 23-0043	SF		60 Minute, Fire Rated Field Installed Glass.....	173.37	
			For Glass Removal And Preparing Opening For New Glazing, Add	15.25	
08 81 23 23-0044	SF		90 Minute, Fire Rated Field Installed Glass.....	224.53	
			For Glass Removal And Preparing Opening For New Glazing, Add	15.25	
08 81 23 23-0045			Laminated Field Installed Glass (08 81 23 23)		

08 Openings**08 80 Glazing****08 81 Glass Glazing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 81 23 23-0046		Laminated Glass With PVB Interlayer, Field Installed Glass (08 81 23 23-0045)	
		Note: Type I, Class I, Quality Q3.	
08 81 23 23-0047	SF	1/4" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass	49.19
		For >50 To 200, Deduct	-1.02
		For >200 To 400, Deduct	-2.04
		For >400, Deduct	-3.05
		For Glass Removal And Preparing Opening For New Glazing, Add	15.26
		For Tinted Glass, Add	6.79
		For Reflective Coated Glass, Add	10.18
		For Low-E Coated Glass, Add	8.48
		For One Piece Heat Strengthened Glass, Add	6.79
		For One Piece Fully Tempered Glass, Add	6.79
08 81 23 23-0048	SF	3/8" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass	61.67
		For >50 To 200, Deduct	-1.27
		For >200 To 400, Deduct	-2.54
		For >400, Deduct	-3.81
		For Glass Removal And Preparing Opening For New Glazing, Add	19.32
		For Tinted Glass, Add	8.47
		For Reflective Coated Glass, Add	12.71
		For Low-E Coated Glass, Add	10.59
		For One Piece Heat Strengthened Glass, Add	8.47
		For One Piece Fully Tempered Glass, Add	8.47
08 81 23 23-0049	SF	1/2" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass	70.29
		For >50 To 200, Deduct	-1.47
		For >200 To 400, Deduct	-2.94
		For >400, Deduct	-4.40
		For Glass Removal And Preparing Opening For New Glazing, Add	21.36
		For Tinted Glass, Add	9.79
		For Reflective Coated Glass, Add	14.68
		For Low-E Coated Glass, Add	12.23
		For One Piece Heat Strengthened Glass, Add	9.79
		For One Piece Fully Tempered Glass, Add	9.79
08 81 23 23-0050	SF	9/16" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass	78.95
		For >50 To 200, Deduct	-1.65
		For >200 To 400, Deduct	-3.30
		For >400, Deduct	-4.95
		For Glass Removal And Preparing Opening For New Glazing, Add	23.91
		For Tinted Glass, Add	11.01
		For Reflective Coated Glass, Add	16.51
		For Low-E Coated Glass, Add	13.76
		For One Piece Heat Strengthened Glass, Add	11.01
		For One Piece Fully Tempered Glass, Add	11.01
08 81 23 23-0051		Insulated Field Installed Glass (08 81 23 23)	
08 81 23 23-0052		Insulated Glass, Field Installed Glass (08 81 23 23-0051)	
		Note: Type I, Class I, Quality Q3.	
08 81 23 23-0053		3/16" Air Space, Insulated, Field Installed Glass (08 81 23 23-0052)	
		Note: Type I, Class I, Quality Q3.	
08 81 23 23-0054	SF	3/8" Thick, Insulated Field Installed Glass	37.96
		Note: Two 3/32" lites with 3/16" air space.	
		For >50 To 200, Deduct	-0.63
		For >200 To 400, Deduct	-1.25
		For >400, Deduct	-1.88
		For Glass Removal And Preparing Opening For New Glazing, Add	17.09
		For Tinted Glass, Add	3.13
		For Reflective Coated Glass, Add	6.26
		For Low-E Coated Glass, Add	5.22
		For One Piece Heat Strengthened Glass, Add	4.17
		For One Piece Fully Tempered Glass, Add	4.17
		For One Piece Obscure Glass, Add	8.87
		For Argon Gas, Add	2.87
08 81 23 23-0055	SF	1/2" Thick, Insulated Field Installed Glass	40.60
		Note: One 3/16" lite and one 1/8" lite with 3/16" air space.	
		For >50 To 200, Deduct	-0.68
		For >200 To 400, Deduct	-1.37
		For >400, Deduct	-2.05
		For Glass Removal And Preparing Opening For New Glazing, Add	17.80
		For Tinted Glass, Add	3.42
		For Reflective Coated Glass, Add	6.84
		For Low-E Coated Glass, Add	5.70
		For One Piece Heat Strengthened Glass, Add	4.56
		For One Piece Fully Tempered Glass, Add	4.56
		For One Piece Obscure Glass, Add	9.69
		For Argon Gas, Add	3.14
08 81 23 23-0056	SF	9/16" Thick, Insulated Field Installed Glass	40.95
		Note: Two 3/16" lites with 3/16" air space.	
		For >50 To 200, Deduct	-0.69
		For >200 To 400, Deduct	-1.37
		For >400, Deduct	-2.06
		For Glass Removal And Preparing Opening For New Glazing, Add	18.11
		For Tinted Glass, Add	3.43
		For Reflective Coated Glass, Add	6.85
		For Low-E Coated Glass, Add	5.71
		For One Piece Heat Strengthened Glass, Add	4.57
		For One Piece Fully Tempered Glass, Add	4.57
		For One Piece Obscure Glass, Add	9.71
		For Argon Gas, Add	3.14

MINOR	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI			UNIT COST	UNIT COST

08 81 23 23-0057		1/4" Air Space, Insulated, Field Installed Glass (08 81 23 23-0052)		
		Note: Type I, Class I, Quality Q3.		
08 81 23 23-0058	SF	7/16" Thick, Insulated Field Installed Glass	38.88	
		Note: Two 3/32" lites with 1/4" air space.		
		For >50 To 200, Deduct	-0.64	
		For >200 To 400, Deduct	-1.29	
		For >400, Deduct	-1.93	
		For Glass Removal And Preparing Opening For New Glazing, Add	17.40	
		For Tinted Glass, Add	3.22	
		For Reflective Coated Glass, Add	6.44	
		For Low-E Coated Glass, Add	5.37	
		For One Piece Heat Strengthened Glass, Add	4.30	
		For One Piece Fully Tempered Glass, Add	4.30	
		For One Piece Obscure Glass, Add	9.13	
		For Argon Gas, Add	2.95	
08 81 23 23-0059	SF	1/2" Thick, Insulated Field Installed Glass	40.60	
		Note: Two 1/8" lites with 1/4" air space.		
		For >50 To 200, Deduct	-0.68	
		For >200 To 400, Deduct	-1.37	
		For >400, Deduct	-2.05	
		For Glass Removal And Preparing Opening For New Glazing, Add	17.80	
		For Tinted Glass, Add	3.42	
		For Reflective Coated Glass, Add	6.84	
		For Low-E Coated Glass, Add	5.70	
		For One Piece Heat Strengthened Glass, Add	4.56	
		For One Piece Fully Tempered Glass, Add	4.56	
		For One Piece Obscure Glass, Add	9.69	
		For Argon Gas, Add	3.14	
08 81 23 23-0060	SF	5/8" Thick, Insulated Field Installed Glass	42.05	
		Note: Two 3/16" lites with 1/4" air space.		
		For >50 To 200, Deduct	-0.69	
		For >200 To 400, Deduct	-1.38	
		For >400, Deduct	-2.08	
		For Glass Removal And Preparing Opening For New Glazing, Add	18.99	
		For Tinted Glass, Add	3.46	
		For Reflective Coated Glass, Add	6.92	
		For Low-E Coated Glass, Add	5.77	
		For One Piece Heat Strengthened Glass, Add	4.61	
		For One Piece Fully Tempered Glass, Add	4.61	
		For One Piece Obscure Glass, Add	9.80	
		For Argon Gas, Add	3.17	
08 81 23 23-0061	SF	5/8" Thick, Insulated Field Installed Glass	42.05	
		Note: One 1/4" lite and one 1/8" lite with 1/4" air space.		
		For >50 To 200, Deduct	-0.69	
		For >200 To 400, Deduct	-1.38	
		For >400, Deduct	-2.08	
		For Glass Removal And Preparing Opening For New Glazing, Add	18.99	
		For Tinted Glass, Add	3.46	
		For Reflective Coated Glass, Add	6.92	
		For Low-E Coated Glass, Add	5.77	
		For One Piece Heat Strengthened Glass, Add	4.61	
		For One Piece Fully Tempered Glass, Add	4.61	
		For One Piece Obscure Glass, Add	9.80	
		For Argon Gas, Add	3.17	
08 81 23 23-0062	SF	3/4" Thick, Insulated Field Installed Glass	47.08	
		Note: Two 1/4" lites with 1/4" air space.		
		For >50 To 200, Deduct	-0.79	
		For >200 To 400, Deduct	-1.58	
		For >400, Deduct	-2.37	
		For Glass Removal And Preparing Opening For New Glazing, Add	20.72	
		For Tinted Glass, Add	3.95	
		For Reflective Coated Glass, Add	7.91	
		For Low-E Coated Glass, Add	6.59	
		For One Piece Heat Strengthened Glass, Add	5.27	
		For One Piece Fully Tempered Glass, Add	5.27	
		For One Piece Obscure Glass, Add	11.20	
		For Argon Gas, Add	3.62	
08 81 23 23-0063		3/8" Air Space, Insulated, Field Installed Glass (08 81 23 23-0052)		
		Note: Type I, Class I, Quality Q3.		
08 81 23 23-0064	SF	5/8" Thick, Insulated Field Installed Glass	42.05	
		Note: Two 1/8" lites with 3/8" air space.		
		For >50 To 200, Deduct	-0.69	
		For >200 To 400, Deduct	-1.38	
		For >400, Deduct	-2.08	
		For Glass Removal And Preparing Opening For New Glazing, Add	18.99	
		For Tinted Glass, Add	3.46	
		For Reflective Coated Glass, Add	6.92	
		For Low-E Coated Glass, Add	5.77	
		For One Piece Heat Strengthened Glass, Add	4.61	
		For One Piece Fully Tempered Glass, Add	4.61	
		For One Piece Obscure Glass, Add	9.80	
		For Argon Gas, Add	3.17	

08 Openings**08 80 Glazing****08 81 Glass Glazing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 81 23 23-0065	SF	3/4" Thick, Insulated Field Installed Glass	44.88
		Note: Two 3/16" lites with 3/8" air space.	
		For >50 To 200, Deduct	-0.72
		For >200 To 400, Deduct	-1.45
		For >400, Deduct	-2.17
		For Glass Removal And Preparing Opening For New Glazing, Add	20.72
		For Tinted Glass, Add	3.62
		For Reflective Coated Glass, Add	7.25
		For Low-E Coated Glass, Add	6.04
		For One Piece Heat Strengthened Glass, Add	4.83
		For One Piece Fully Tempered Glass, Add	4.83
		For One Piece Obscure Glass, Add	10.27
		For Argon Gas, Add	3.32
08 81 23 23-0066	SF	7/8" Thick, Insulated Field Installed Glass	47.96
		Note: Two 1/4" lites with 3/8" air space.	
		For >50 To 200, Deduct	-0.80
		For >200 To 400, Deduct	-1.61
		For >400, Deduct	-2.41
		For Glass Removal And Preparing Opening For New Glazing, Add	21.16
		For Tinted Glass, Add	4.02
		For Reflective Coated Glass, Add	8.04
		For Low-E Coated Glass, Add	6.70
		For One Piece Heat Strengthened Glass, Add	5.36
		For One Piece Fully Tempered Glass, Add	5.36
		For One Piece Obscure Glass, Add	11.39
		For Argon Gas, Add	3.69
08 81 23 23-0067	SF	1" Thick, Insulated Field Installed Glass	51.63
		Note: Two 5/16" lites with 3/8" air space.	
		For >50 To 200, Deduct	-0.91
		For >200 To 400, Deduct	-1.82
		For >400, Deduct	-2.72
		For Glass Removal And Preparing Opening For New Glazing, Add	21.36
		For Tinted Glass, Add	4.54
		For Reflective Coated Glass, Add	9.08
		For Low-E Coated Glass, Add	7.57
		For One Piece Heat Strengthened Glass, Add	6.05
		For One Piece Fully Tempered Glass, Add	6.05
		For One Piece Obscure Glass, Add	12.86
		For Argon Gas, Add	4.16

08 81 23 23-0068 1/2" Air Space, Insulated, Field Installed Glass (08 81 23 23-0052)

Note: Type I, Class I, Quality Q3.

08 81 23 23-0069	SF	3/4" Thick, Insulated Field Installed Glass	44.88
		Note: Two 1/8" lites with 1/2" air space.	
		For >50 To 200, Deduct	-0.72
		For >200 To 400, Deduct	-1.45
		For >400, Deduct	-2.17
		For Glass Removal And Preparing Opening For New Glazing, Add	20.72
		For Tinted Glass, Add	3.62
		For Reflective Coated Glass, Add	7.25
		For Low-E Coated Glass, Add	6.04
		For One Piece Heat Strengthened Glass, Add	4.83
		For One Piece Fully Tempered Glass, Add	4.83
		For One Piece Obscure Glass, Add	10.27
		For Argon Gas, Add	3.32
08 81 23 23-0070	SF	7/8" Thick, Insulated Field Installed Glass	47.96
		Note: Two 3/16" lites with 1/2" air space.	
		For >50 To 200, Deduct	-0.80
		For >200 To 400, Deduct	-1.61
		For >400, Deduct	-2.41
		For Glass Removal And Preparing Opening For New Glazing, Add	21.16
		For Tinted Glass, Add	4.02
		For Reflective Coated Glass, Add	8.04
		For Low-E Coated Glass, Add	6.70
		For One Piece Heat Strengthened Glass, Add	5.36
		For One Piece Fully Tempered Glass, Add	5.36
		For One Piece Obscure Glass, Add	11.39
		For Argon Gas, Add	3.69
08 81 23 23-0071	SF	7/8" Thick, Insulated Field Installed Glass	47.96
		Note: One 1/4" lite and one 1/8" lite with 1/2" air space.	
		For >50 To 200, Deduct	-0.80
		For >200 To 400, Deduct	-1.61
		For >400, Deduct	-2.41
		For Glass Removal And Preparing Opening For New Glazing, Add	21.16
		For Tinted Glass, Add	4.02
		For Reflective Coated Glass, Add	8.04
		For Low-E Coated Glass, Add	6.70
		For One Piece Heat Strengthened Glass, Add	5.36
		For One Piece Fully Tempered Glass, Add	5.36
		For One Piece Obscure Glass, Add	11.39
		For Argon Gas, Add	3.69

			Openings	08	08
			Glazing	08 80	
			Glass Glazing	08 81	
MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
			UNIT COST	UNIT COST	
08 81 23 23-0072	SF	1" Thick, Insulated Field Installed Glass Note: Two 1/4" lites with 1/2" air space. For >50 To 200, Deduct For >200 To 400, Deduct For >400, Deduct For Glass Removal And Preparing Opening For New Glazing, Add For Tinted Glass, Add For Reflective Coated Glass, Add For Low-E Coated Glass, Add For One Piece Heat Strengthened Glass, Add For One Piece Fully Tempered Glass, Add For One Piece Obscure Glass, Add For Argon Gas, Add	50.66 21.36 4.40 8.79 7.33 5.86 5.86 12.45 4.03		
08 81 23 23-0073		Laminated Insulated Glass, Field Installed Glass (08 81 23 23-0051)			
08 81 23 23-0074	SF	1" Thick, Laminated Insulating Glass, Field Installed Glass..... Note: Insulated glass units consisting of 1/4" thick inner pane, 3/16" air gap, and outer laminated pane of 0.060" PVB film between two layers 1/4" thick glass. For >50 To 200, Deduct For >200 To 400, Deduct For >400, Deduct For Glass Removal And Preparing Opening For New Glazing, Add For Tinted Glass, Add For Reflective Coated Glass, Add For Low-E Coated Glass, Add For Argon Gas, Add	103.40 21.36 12.31 24.61 20.51 11.28		
08 81 23 23-0075	SF	1-3/16" Thick, Laminated Insulating Glass, Field Installed Glass Note: Insulated glass units consisting of 1/4" thick inner pane, 3/8" air gap, and outer laminated pane of 0.060" PVB film between two layers 1/4" thick glass. For >50 To 200, Deduct For >200 To 400, Deduct For >400, Deduct For Glass Removal And Preparing Opening For New Glazing, Add For Tinted Glass, Add For Reflective Coated Glass, Add For Low-E Coated Glass, Add For Argon Gas, Add	124.03 24.41 14.94 29.89 24.91 13.70		
08 81 23 23-0076	SF	1-5/16" Thick, Laminated Insulating Glass, Field Installed Glass Note: Insulated glass units consisting of 1/4" thick inner pane, 1/2" air gap, and outer laminated pane of 0.060" PVB film between two layers 1/4" thick glass. For >50 To 200, Deduct For >200 To 400, Deduct For >400, Deduct For Glass Removal And Preparing Opening For New Glazing, Add For Tinted Glass, Add For Reflective Coated Glass, Add For Low-E Coated Glass, Add For Argon Gas, Add	145.17 27.97 17.58 35.16 29.30 16.12		
08 81 23 23-0077		Spandrel Field Installed Glass (08 81 23 23)			
08 81 23 23-0078		Monolithic Float Glass Panels Ceramic Back, Coated, Field Installed Glass (08 81 23 23-0077)			
08 81 23 23-0079	SF	1/4" - 5/16" Spandrel Glass, Up To 1,000 SF, Field Installed Glass For Glass Removal And Preparing Opening For New Glazing, Add	39.55 16.96		
08 81 23 23-0080	SF	1/4" - 5/16" Spandrel Glass, >1,000 SF, Field Installed Glass For Glass Removal And Preparing Opening For New Glazing, Add	34.70 16.96		
08 81 23 23-0081		Insulating Float Glass Panels Ceramic Back, Coated, Tempered, Field Installed Glass (08 81 23 23-0077)			
08 81 23 23-0082		1/4" Glass With 1" Fiberglass Insulation, Field Installed Glass (08 81 23 23-0081) Note: Also with aluminum foil vapor barrier.			
08 81 23 23-0083	SF	1/4" Spandrel Glass With 1" Fiberglass Insulation Up To 20,000 SF, Foil Vapor Barrier, Field Installed Glass..... For Glass Removal And Preparing Opening For New Glazing, Add	44.60 16.96		
08 81 23 23-0084	SF	1/4" Spandrel Glass With 1" Fiberglass Insulation >20,000 SF, Foil Vapor Barrier, Field Installed Glass For Glass Removal And Preparing Opening For New Glazing, Add	39.10 16.96		
08 81 23 23-0085		1/4" Glass With 3/4 To 7/8" Insulation, Field Installed Glass (08 81 23 23-0081)			
08 81 23 23-0086	SF	1/4" Spandrel Glass, 3/4" - 7/8" Insulation 24 Gauge Steel Interfacing, Field Installed Glass For Glass Removal And Preparing Opening For New Glazing, Add	54.13 16.96		
08 81 23 23-0087	SF	1/4" Spandrel Glass, 3/4" - 7/8" Insulation 16 Gauge Steel Interfacing, Field Installed Glass For Glass Removal And Preparing Opening For New Glazing, Add	43.35 16.96		
08 83		Mirrors (08 80)			
		Note: Kind FT, Type I, Class I, Quality Q1.			
08 83 13		Mirrored Glass Glazing (08 83)			
08 83 13 00-0001		Mirror Glass (08 83 13)			
08 83 13 00-0002		One-Way Vision Glass (Transparent Mirrors) (08 83 13 00-0001)			

08 Openings**08 80 Glazing****08 83 Mirrors**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 83 13 00-0003	SF 1/4" One-Way Vision Glass (Transparent Mirrors).....	90.41		7.63
	For >50 To 200, Deduct	-2.26		
	For >200 To 400, Deduct	-3.77		
	For >400, Deduct	-6.03		
08 83 13 00-0004	Tempered, One-Way Vision Glass (Transparent Mirrors) (08 83 13 00-0001)			
08 83 13 00-0005	SF 1/4" Tempered, One-Way Vision Glass (Transparent Mirrors).....	127.81		7.63
	For >50 To 200, Deduct	-3.38		
	For >200 To 400, Deduct	-5.64		
	For >400, Deduct	-9.02		
08 83 13 00-0006	Clear Mirror Glass (08 83 13 00-0001)			
08 83 13 00-0007	SF 1/8" Clear Mirror Glass	28.94		6.11
	For >50 To 200, Deduct	-0.50		
	For >200 To 400, Deduct	-0.84		
	For >400, Deduct	-1.34		
08 83 13 00-0008	SF 3/16" Clear Mirror Glass	34.31		7.12
	For >50 To 200, Deduct	-0.61		
	For >200 To 400, Deduct	-1.01		
	For >400, Deduct	-1.62		
08 83 13 00-0009	SF 1/4" Clear Mirror Glass	37.67		7.63
	For >50 To 200, Deduct	-0.68		
	For >200 To 400, Deduct	-1.13		
	For >400, Deduct	-1.81		
08 83 13 00-0010	Tempered, Clear Mirror Glass (08 83 13 00-0001)			
08 83 13 00-0011	SF 1/8" Tempered, Clear Mirror Glass	49.02		6.11
	For >50 To 200, Deduct	-1.10		
	For >200 To 400, Deduct	-1.84		
	For >400, Deduct	-2.95		
08 83 13 00-0012	SF 3/16" Tempered, Clear Mirror Glass	55.61		7.12
	For >50 To 200, Deduct	-1.25		
	For >200 To 400, Deduct	-2.08		
	For >400, Deduct	-3.33		
08 83 13 00-0013	SF 1/4" Tempered, Clear Mirror Glass	61.42		7.63
	For >50 To 200, Deduct	-1.39		
	For >200 To 400, Deduct	-2.32		
	For >400, Deduct	-3.71		
08 83 13 00-0014	Clear Mirror Glass With Laminated Safety Backing (08 83 13 00-0001)			
08 83 13 00-0015	SF 1/4" Clear Mirror Glass With Laminated Safety Backing	40.18		7.63
	For >50 To 200, Deduct	-0.75		
	For >200 To 400, Deduct	-1.26		
	For >400, Deduct	-2.01		
08 83 13 00-0016	Laminated Safety Mirror Glass (08 83 13 00-0001)			
	Note: Clear glass laminated to face of mirror with PVB interlayer.			
08 83 13 00-0017	SF 1/4" Laminated Safety Mirror Glass	79.31		7.63
	For >50 To 200, Deduct	-1.93		
	For >200 To 400, Deduct	-3.21		
	For >400, Deduct	-5.14		
08 83 13 00-0018	Accessories For Mirror Glass (08 83 13)			
08 83 13 00-0019	LF 1/8" Aluminum J-Channel For Mounting Mirror Glass	5.22		
08 83 13 00-0020	LF 3/16" Aluminum J-Channel For Mounting Mirror Glass	5.33		
08 83 13 00-0021	LF 1/4" Aluminum J-Channel For Mounting Mirror Glass	6.82		
08 83 13 00-0022	LF Aluminum Frame For Mounting Mirror Glass	8.90		
08 84 Plastic Glazing (08 80)				
08 84 00 00-0001	Clear Polycarbonate Glazing (GE Lexan) (08 84)			
08 84 00 00-0002	SF 1/8" Thick, Clear Polycarbonate Glazing (GE Lexan)	18.61		
	For >50 To 200, Deduct	-0.45		
	For >200 To 400, Deduct	-0.90		
	For >400, Deduct	-1.35		
	For Glass Removal And Preparing Opening For New Glazing, Add	9.60		
08 84 00 00-0003	SF 3/16" Thick, Clear Polycarbonate Glazing (GE Lexan)	19.62		
	For >50 To 200, Deduct	-0.48		
	For >200 To 400, Deduct	-0.97		
	For >400, Deduct	-1.45		
	For Glass Removal And Preparing Opening For New Glazing, Add	9.97		
08 84 00 00-0004	SF 1/4" Thick, Clear Polycarbonate Glazing (GE Lexan)	23.45		
	For >50 To 200, Deduct	-0.65		
	For >200 To 400, Deduct	-1.31		
	For >400, Deduct	-1.96		
	For Glass Removal And Preparing Opening For New Glazing, Add	10.37		
08 84 00 00-0005	SF 3/8" Thick, Clear Polycarbonate Glazing (GE Lexan)	34.17		
	For >50 To 200, Deduct	-1.18		
	For >200 To 400, Deduct	-2.35		
	For >400, Deduct	-3.53		
	For Glass Removal And Preparing Opening For New Glazing, Add	10.67		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
08 84 00 00-0006	SF		1/2" Thick, Clear Polycarbonate Glazing (GE Lexan)	43.37	
			For >50 To 200, Deduct	-1.60	
			For >200 To 400, Deduct	-3.19	
			For >400, Deduct	-4.79	
			For Glass Removal And Preparing Opening For New Glazing, Add	11.44	
08 84 00 00-0007			Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10) (08 84)	28.13	
08 84 00 00-0008	SF		1/8" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	-0.93	
			For >50 To 200, Deduct	-1.85	
			For >200 To 400, Deduct	-2.78	
			For >400, Deduct	9.60	
			For Glass Removal And Preparing Opening For New Glazing, Add		
08 84 00 00-0009	SF		3/16" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	32.77	
			For >50 To 200, Deduct	-1.14	
			For >200 To 400, Deduct	-2.28	
			For >400, Deduct	-3.42	
			For Glass Removal And Preparing Opening For New Glazing, Add	9.97	
08 84 00 00-0010	SF		1/4" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	34.63	
			For >50 To 200, Deduct	-1.21	
			For >200 To 400, Deduct	-2.43	
			For >400, Deduct	-3.64	
			For Glass Removal And Preparing Opening For New Glazing, Add	10.37	
08 84 00 00-0011	SF		3/8" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	57.54	
			For >50 To 200, Deduct	-2.34	
			For >200 To 400, Deduct	-4.69	
			For >400, Deduct	-7.03	
			For Glass Removal And Preparing Opening For New Glazing, Add	10.67	
08 84 00 00-0012	SF		1/2" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	61.12	
			For >50 To 200, Deduct	-2.48	
			For >200 To 400, Deduct	-4.97	
			For >400, Deduct	-7.45	
			For Glass Removal And Preparing Opening For New Glazing, Add	11.44	
08 84 00 00-0013			Clear Acrylic Glazing (Plexiglas) (08 84)		
08 84 00 00-0014	SF		1/10" Thick, Clear Acrylic Glazing (Plexiglas)	13.00	
			For >50 To 200, Deduct	-0.19	
			For >200 To 400, Deduct	-0.38	
			For >400, Deduct	-0.58	
			For Glass Removal And Preparing Opening For New Glazing, Add	9.16	
			For Colored, Add	0.77	
			For Shatterproof, Add	2.30	
			For Mirrored, Add	3.07	
08 84 00 00-0015	SF		1/8" Thick, Clear Acrylic Glazing (Plexiglas)	13.49	
			For >50 To 200, Deduct	-0.19	
			For >200 To 400, Deduct	-0.39	
			For >400, Deduct	-0.58	
			For Glass Removal And Preparing Opening For New Glazing, Add	9.60	
			For Colored, Add	0.78	
			For Shatterproof, Add	2.33	
			For Mirrored, Add	3.11	
08 84 00 00-0016	SF		3/16" Thick, Clear Acrylic Glazing (Plexiglas)	16.04	
			For >50 To 200, Deduct	-0.30	
			For >200 To 400, Deduct	-0.61	
			For >400, Deduct	-0.91	
			For Glass Removal And Preparing Opening For New Glazing, Add	9.97	
			For Colored, Add	1.21	
			For Shatterproof, Add	3.64	
			For Mirrored, Add	4.86	
08 84 00 00-0017	SF		1/4" Thick, Clear Acrylic Glazing (Plexiglas)	18.37	
			For >50 To 200, Deduct	-0.40	
			For >200 To 400, Deduct	-0.80	
			For >400, Deduct	-1.20	
			For Glass Removal And Preparing Opening For New Glazing, Add	10.37	
			For Colored, Add	1.60	
			For Shatterproof, Add	4.80	
			For Mirrored, Add	6.40	
08 84 00 00-0018	SF		5/16" Thick, Clear Acrylic Glazing (Plexiglas)	18.81	
			For >50 To 200, Deduct	-0.42	
			For >200 To 400, Deduct	-0.84	
			For >400, Deduct	-1.26	
			For Glass Removal And Preparing Opening For New Glazing, Add	10.43	
			For Colored, Add	1.68	
			For Shatterproof, Add	5.03	
			For Mirrored, Add	6.70	
08 84 00 00-0019	SF		3/8" Thick, Clear Acrylic Glazing (Plexiglas)	19.43	
			For >50 To 200, Deduct	-0.44	
			For >200 To 400, Deduct	-0.88	
			For >400, Deduct	-1.31	
			For Glass Removal And Preparing Opening For New Glazing, Add	10.67	
			For Colored, Add	1.75	
			For Shatterproof, Add	5.26	
			For Mirrored, Add	7.01	

08 Openings**08 80 Glazing****08 84 Plastic Glazing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 84 00 00-0020	SF	1/2" Thick, Clear Acrylic Glazing (Plexiglas)	23.02	
		For >50 To 200, Deduct	-0.58	
		For >200 To 400, Deduct	-1.16	
		For >400, Deduct	-1.74	
		For Glass Removal And Preparing Opening For New Glazing, Add	11.44	
		For Colored, Add	2.32	
		For Shatterproof, Add	6.95	
		For Mirrored, Add	9.26	
08 84 00 00-0021	SF	3/4" Thick, Clear Acrylic Glazing (Plexiglas)	32.52	
		For >50 To 200, Deduct	-0.90	
		For >200 To 400, Deduct	-1.80	
		For >400, Deduct	-2.71	
		For Glass Removal And Preparing Opening For New Glazing, Add	14.48	
08 84 00 00-0022	SF	1" Thick, Clear Acrylic Glazing (Plexiglas)	43.48	
		For >50 To 200, Deduct	-1.39	
		For >200 To 400, Deduct	-2.78	
		For >400, Deduct	-4.16	
		For Glass Removal And Preparing Opening For New Glazing, Add	15.73	

08 85 Glazing Accessories (08 80)

Note: Applicable to reglazing tasks only, new window installation includes the gasket.

08 85 00 00-0001 Framing For Glass Windscreens (08 85)

Note: Excludes glazing.

08 85 00 00-0002	LF	1-1/4" x 1-1/2" Aluminum Framed Window Walls	44.43	2.19
		For Bronze Anodized Aluminum, Add	5.76	
		For Stainless Steel, Add	23.35	
		For Black Anodized Finish, Add	10.37	
08 85 00 00-0003	LF	1-1/2" x 2" Aluminum Framed Window Walls	55.40	2.73
		For Bronze Anodized Aluminum, Add	7.33	
		For Stainless Steel, Add	29.63	
		For Black Anodized Finish, Add	13.19	
08 85 00 00-0004	LF	1-1/2" x 3" Aluminum Framed Window Walls	66.03	2.19
		For Bronze Anodized Aluminum, Add	8.76	
		For Stainless Steel, Add	35.41	
		For Black Anodized Finish, Add	15.76	
08 85 00 00-0005	LF	1-1/2" x 4" Aluminum Framed Window Walls	79.60	3.28
		For Bronze Anodized Aluminum, Add	10.46	
		For Stainless Steel, Add	42.35	
		For Black Anodized Finish, Add	18.84	
08 85 00 00-0006	LF	2" x 3" Aluminum Framed Window Walls	82.36	2.73
		For Bronze Anodized Aluminum, Add	11.12	
		For Stainless Steel, Add	44.91	
		For Black Anodized Finish, Add	20.02	
08 85 00 00-0007	LF	2" x 4" Aluminum Framed Window Walls	99.51	3.28
		For Bronze Anodized Aluminum, Add	13.29	
		For Stainless Steel, Add	53.69	
		For Black Anodized Finish, Add	23.92	

08 87 Glazing Surface Films (08 80)**08 87 13 Solar Control Films** (08 87)

Note: Applied directly to one side of glazing with adhesive.

08 87 13 00-0001 Window Tinting And Film (08 87 13)

Note: Applied directly to one side of glazing with adhesive. Includes cleaning of window glazing prior to installation.

08 87 13 00-0002	SF	20% VLT, Bronze Window Tinting Film	10.05	
08 87 13 00-0003	SF	50% VLT, Bronze Window Tinting Film	10.05	
08 87 13 00-0004	SF	Tinted, Abrasion Resistant, Solar Control Window Film (3M Scotchtint™)	15.97	
08 87 13 00-0005	SF	Low E, Abrasion Resistant, Solar Control Window Film (3M Scotchtint™)	16.63	
08 87 13 00-0006	SF	Window Tinting (Vista by Llumar Harmony Terre V51 SR CDF)	32.91	

08 87 23 Safety and Security Films (08 87)**08 87 23 16 Security Films** (08 87 23)

Note: Applied directly to one side of glazing with adhesive and secured at window frame with clear silicone adhesive.

08 87 23 16-0001 High Performance, Security And Safety Glazing Films (08 87 23 16)

Note: Includes cleaning of window glazing prior to installation.

08 87 23 16-0002 Clear, High Performance, Security And Safety Glazing Films (08 87 23 16-0001)

08 87 23 16-0003	SF	0.002" Clear, High Performance, Security And Safety Glazing Film (3M Scotchshield™ SCLARL150)	16.28	
		For >1,000 To 5,000, Deduct	-0.73	
		For >5,000, Deduct	-1.10	
08 87 23 16-0004	SF	0.004" Clear, High Performance, Security And Safety Glazing Film (3M Scotchshield™ SCLARL400)	17.51	
		For >1,000 To 5,000, Deduct	-0.78	
		For >5,000, Deduct	-1.22	
08 87 23 16-0005	SF	0.006" Clear, High Performance, Security And Safety Glazing Film (3M Scotchshield™ Ultra600)	19.21	
		For >1,000 To 5,000, Deduct	-0.84	
		For >5,000, Deduct	-1.39	

08 87 23 16-0006 Tinted, High Performance Sun/Solar, Security And Safety Glazing Films (08 87

23 16-0001)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 87 23 16-0007	SF		0.004" Silver, 20% Transmission, High Performance Sun/Solar, Security And Safety Glazing Film (3M Scotchshield™ S20SIAR400).....	18.86	
			For >1,000 To 5,000, Deduct	-0.83	
			For >5,000, Deduct	-1.35	
08 87 23 16-0008	SF		0.004" Neutral, 35% Transmission, High Performance Sun/Solar, Security And Safety Glazing Film (3M Scotchshield™ S35NEAR400).....	18.86	
			For >1,000 To 5,000, Deduct	-0.83	
			For >5,000, Deduct	-1.35	
08 87 23 16-0009	SF		0.004" Neutral, 50% Transmission, High Performance Sun/Solar, Security And Safety Glazing Film (3M Scotchshield™ S50NEAR400).....	18.86	
			For >1,000 To 5,000, Deduct	-0.83	
			For >5,000, Deduct	-1.35	
08 87 23 16-0010			Security And Safety Glazing Films (08 87 23 16) Note: Includes cleaning of window glazing prior to installation.		
08 87 23 16-0011	SF		0.007" Clear Security And Safety Glazing Film (3M Scotchshield™ SH7CLARL).....	14.92	
			For >1,000 To 5,000, Deduct	-0.68	
			For >5,000, Deduct	-0.96	
08 87 23 16-0012	SF		0.008" Clear Security And Safety Glazing Film (3M Scotchshield™ SH8CLARL).....	15.25	
			For >1,000 To 5,000, Deduct	-0.70	
			For >5,000, Deduct	-0.99	
08 87 23 16-0013	SF		0.014" Clear Security And Safety Glazing Film (3M Scotchshield™ SH14CLARL).....	18.33	
			For >1,000 To 5,000, Deduct	-0.81	
			For >5,000, Deduct	-1.30	
08 87 23 16-0014			Anti-Graffiti Glazing Films (08 87 23 16) Note: Includes cleaning of window glazing prior to installation.		
08 87 23 16-0015	SF		0.004" Clear Anti-Graffiti Glazing Film (3M Scotchgard™ AG-4).....	14.92	
			For >1,000 To 5,000, Deduct	-0.68	
			For >5,000, Deduct	-0.96	
08 87 23 16-0016	SF		0.007" Clear Anti-Graffiti Glazing Film (3M Scotchgard™ AG-7).....	15.25	
			For >1,000 To 5,000, Deduct	-0.70	
			For >5,000, Deduct	-0.99	
08 88			Special Function Glazing (08 80)		
08 88 49			Radiation-Resistant Glazing (08 88)		
08 88 49 00-0001			Leaded Glass (X-Ray Shielding) (08 88 49)		
08 88 49 00-0002	SF		1/4" Thick Lead Glass With 1/16" Lead Equivalence.....	375.71	
08 88 49 00-0003	SF		1/4" Thick Lead Glass With 1/8" Lead Equivalence.....	560.55	
08 88 49 00-0004			Leaded Acrylic (X-Ray Shielding) (08 88 49)		
08 88 49 00-0005	SF		7mm Thick, 0.3mm LE, 2.3 Lb./SF, X-Ray Viewing Panels, Clear Lead Plastic.....	398.07	6.11
08 88 49 00-0006	SF		12mm Thick, 0.5mm LE, 3.9 Lb./SF, X-Ray Viewing Panels, Clear Lead Plastic.....	537.98	10.17
08 88 49 00-0007	SF		18mm Thick, 0.8mm LE, 5.9 Lb./SF, X-Ray Viewing Panels, Clear Lead Plastic.....	599.90	15.26
08 88 49 00-0008	SF		22mm Thick, 1mm LE, 7.2 Lb./SF, X-Ray Viewing Panels, Clear Lead Plastic.....	620.13	18.31
08 88 49 00-0009	SF		35mm Thick, 1.5mm LE, 11.5 Lb./SF, X-Ray Viewing Panels, Clear Lead Plastic.....	712.08	28.99
08 88 49 00-0010	SF		46mm Thick, 2mm LE, 15 Lb./SF, X-Ray Viewing Panels, Clear Lead Plastic.....	938.45	38.65
08 88 53			Security Glazing (08 88)		
08 88 53 00-0001			Forced Entry And/or Ballistic Resistant All Glass Laminate (08 88 53)		
08 88 53 00-0002			Ballistic Resistant Glass (08 88 53 00-0001)		
08 88 53 00-0003	SF		1.28" All Glass Laminate Ballistic Resistant Glass, 16.2 Lb./SF, For A Single Piece, Up To 15 SF.....	137.28	
			For Glass Removal And Preparing Opening For New Glazing, Add	63.06	
08 88 53 00-0004	SF		1.28" All Glass Laminate Ballistic Resistant Glass, 16.2 Lb./SF, For A Single Piece, > 15 SF.....	162.43	
			For Glass Removal And Preparing Opening For New Glazing, Add	63.06	
08 88 53 00-0005	SF		1.55" All Glass Laminate Ballistic Resistant Glass, 21.2 Lb./SF, For A Single Piece, Up To 15 SF.....	184.26	
			For Glass Removal And Preparing Opening For New Glazing, Add	71.20	
08 88 53 00-0006	SF		1.55" All Glass Laminate Ballistic Resistant Glass, 21.2 Lb./SF, For A Single Piece, >15 SF.....	205.26	
			For Glass Removal And Preparing Opening For New Glazing, Add	71.20	
08 88 53 00-0007	SF		2.05" All Glass Laminate Ballistic Resistant Glass, 26.1 Lb./SF, For A Single Piece, Up To 15 SF.....	233.25	
			For Glass Removal And Preparing Opening For New Glazing, Add	81.37	
08 88 53 00-0008	SF		2.05" All Glass Laminate Ballistic Resistant Glass, 26.1 Lb./SF, For A Single Piece, >15 SF.....	250.13	
			For Glass Removal And Preparing Opening For New Glazing, Add	81.37	
08 88 53 00-0009			Forced Entry Resistant Glass (08 88 53 00-0001)		
08 88 53 00-0010	SF		5/16" Forced Entry Resistant Laminated Glass Sheet.....	51.49	
			For Glass Removal And Preparing Opening For New Glazing, Add	15.89	
08 88 53 00-0011	SF		1/2" Forced Entry Resistant Laminated Glass Sheet.....	58.58	
			For Glass Removal And Preparing Opening For New Glazing, Add	16.96	
08 88 53 00-0012	SF		11/16" Forced Entry Resistant Laminated Glass Sheet.....	66.93	
			For Glass Removal And Preparing Opening For New Glazing, Add	18.16	
08 88 53 00-0013	SF		7/8" Forced Entry Resistant Laminated Glass Sheet.....	81.26	
			For Glass Removal And Preparing Opening For New Glazing, Add	19.56	
08 88 53 00-0014			Glass Clad Polycarbonate (08 88 53)		

08	08	Openings
	08 80	Glazing
	08 88	Special Function Glazing



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
08 88 53 00-0015	SF 0.75" Ballistic Resistant Glass/Poly, 7.84 Lb./SF <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	202.49	77.30	
08 88 53 00-0016	SF 0.8125" Ballistic Resistant Glass/Poly, 8.99 Lb./SF <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	226.08	89.51	
08 88 53 00-0017	SF 0.9375" Ballistic Resistant Glass/Poly, 11.11 Lb./SF <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	290.30	101.71	
08 88 53 00-0018	Ballistic Resistant Acrylic (08 88 53)			
08 88 53 00-0019	SF 1.25" Ballistic Resistant Acrylic Glass, 7.7 Lb./SF <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	215.49	77.30	
08 88 53 00-0020	SF 1.378" Ballistic Resistant Acrylic Glass, 8.5 Lb./SF <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	252.09	89.51	
08 88 53 00-0021	SF 1.25" Ballistic Resistant Acrylic Glass, 7.5 Lb./SF <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	329.32	101.71	
08 88 53 00-0022	Ballistic Resistant Fiberglass (08 88 53)			
08 88 53 00-0023	SF 5/16" Ballistic Resistant Fiberglass, Level 1, 3.2 Lb./SF <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	84.82	38.65	
08 88 53 00-0024	SF 3/8" Ballistic Resistant Fiberglass, Level 2, 3.5 Lb./SF <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	100.45	44.75	
08 88 53 00-0025	SF 7/16" Ballistic Resistant Fiberglass, Level 3, 4.5 Lb./SF <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	113.94	50.86	
08 88 53 00-0026	Forced Entry And/or Ballistic Resistant Polycarbonate (08 88 53)			
08 88 53 00-0027	Forced Entry Resistant Monolithic Polycarbonate (08 88 53 00-0026) Note: GE-Lexan MR10.			
08 88 53 00-0028	SF 1/2" Overall Nominal Thickness, H.P. White TP-0500.01 Note: Level 1 or ASTM F1233, Class II (Step 5). <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	117.12	61.64	
08 88 53 00-0029	Forced Entry Resistant Glass Clad Polycarbonate Laminate (08 88 53 00-0026) Note: Chemically strengthened clear glass laminated to each side of a polycarbonate core. GE-Insulgard.			
08 88 53 00-0030	SF 9/16" Overall Nominal Thickness, H.P. White TP-0500.01 <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	144.79	76.29	
08 88 53 00-0031	Forced Entry Resistant Polycarbonate Laminate (08 88 53 00-0026) Note: GE-Lexgard MPC-500.			
08 88 53 00-0032	SF 1/2" Overall Nominal Thickness, H.P. White TP-0500.01 Note: Level II (Step 12) Or ASTM 1233 Class III (Step 15). <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	180.25	81.37	
08 88 53 00-0033	Fire Resistant, Forced Entry Resistant Polycarbonate Laminate (08 88 53 00-0026) Note: Wire glass clad. Chemically strengthened wire glass laminated to each side of a polycarbonate core. GE-Firegard.			
08 88 53 00-0034	SF 7/8" Overall Nominal Thickness, H.P. White TP-0500.01 Note: UL-9 Fire Resistant. <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	198.05	86.46	
08 88 53 00-0035	Insulated, Forced Entry Resistant Polycarbonate Laminate (08 88 53 00-0026) Note: Glass clad. Chemically strengthened wire glass laminated to each side of a polycarbonate core. GE-Insulgard.			
08 88 53 00-0036	SF 1-5/16" Overall Nominal Thickness, H.P. White TP-0500.01 Note: Level I (1/4" tempered float glass, 1/2" airspace). <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	169.28	76.29	
08 88 53 00-0037	Ballistic And Forced Entry Resistant Polycarbonate Laminate (08 88 53 00-0026)			
08 88 53 00-0038	SF 1" Nominal Thickness, Ballistic Or Forced Entry Resistant Note: 1" is the overall nominal thickness. (GE-Lexgard MP-1000) forced entry resistance: H.P. White TP-0500.01, level V (step 42) or ASTM 1233 class V (Step 40) ballistic resistance: UL 752, level 2-high powered small arms (.357 Magnum handgun). <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	391.86	168.84	
08 88 53 00-0039	SF 1-1/4" Nominal Thickness, Ballistic Or Forced Entry Resistant Note: 1 1/4" is the overall nominal thickness. (GE-Lexgard MP-1000) forced entry resistance: H.P. White TP-0500.01, level V (Step 42) or ASTM 1233 class V (step 40) ballistic resistance: UL 752, level 3-super high powered small arms (.44 Magnum handgun). <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	397.13	168.84	
08 88 53 00-0040	Ballistic Resistant Glass Clad Polycarbonate Laminate (08 88 53 00-0026) Note: Chemically strengthened clear glass laminated to attack side of a polycarbonate core.			
08 88 53 00-0041	SF 1-5/16" Overall Nominal Thickness, Ballistic Resistant Note: UL 752, Level 4 - Super High Powered Rifle (.30-06 Rifle), (GE-Armor-Gard). <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	260.54	113.92	

08 90 Louvers and Vents (08)

08 91 Louvers (08 90)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 91 13 Motorized Wall Louvers (08 91)

08 91 13 00-0001 Motorized Wall Louver Actuator (08 91 13)

See CSI section 08 91 16 00-0001 for adjustable intake wall louvers.

08 91 13 00-0002	EA	115 Volt Actuator For Adjustable Intake Louver	2,226.25	150.25
08 91 13 00-0003	EA	230 Volt Actuator For Adjustable Intake Louver	3,367.69	150.25
08 91 13 00-0004	EA	24 Volt Actuator For Adjustable Intake Louver	2,388.95	150.25
08 91 13 00-0005	EA	115 Volt Hazardous Location Actuator For Adjustable Intake Louver.....	9,088.91	150.25

08 91 16 Operable Wall Louvers (08 91)

08 91 16 00-0001 Adjustable Intake Wall Louvers (08 91 16)

See CSI section 08 91 16 00-0137 for adjustable intake wall louver operators.

08 91 16 00-0002	EA	12" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum	601.97	39.77
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	52.24	
		For Clear Lacquer Finish, Add	104.48	
		For Baked Enamel Standard Colors, Add	156.73	
		For Anodized Finish, Add	208.97	
		For Kynar® Standard Colors Finish, Add	287.33	
08 91 16 00-0003	EA	12" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum	751.85	48.61
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	65.46	
		For Clear Lacquer Finish, Add	130.92	
		For Baked Enamel Standard Colors, Add	196.39	
		For Anodized Finish, Add	261.85	
		For Kynar® Standard Colors Finish, Add	360.04	
08 91 16 00-0004	EA	12" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum	888.99	57.45
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	77.41	
		For Clear Lacquer Finish, Add	154.82	
		For Baked Enamel Standard Colors, Add	232.23	
		For Anodized Finish, Add	309.64	
		For Kynar® Standard Colors Finish, Add	425.76	
08 91 16 00-0005	EA	12" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum	1,040.14	66.29
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	90.76	
		For Clear Lacquer Finish, Add	181.51	
		For Baked Enamel Standard Colors, Add	272.27	
		For Anodized Finish, Add	363.03	
		For Kynar® Standard Colors Finish, Add	499.16	
08 91 16 00-0006	EA	12" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum	1,172.21	75.13
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	102.20	
		For Clear Lacquer Finish, Add	204.39	
		For Baked Enamel Standard Colors, Add	306.59	
		For Anodized Finish, Add	408.78	
		For Kynar® Standard Colors Finish, Add	562.08	
08 91 16 00-0007	EA	12" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum	1,381.82	83.97
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	121.39	
		For Clear Lacquer Finish, Add	242.78	
		For Baked Enamel Standard Colors, Add	364.17	
		For Anodized Finish, Add	485.56	
		For Kynar® Standard Colors Finish, Add	667.65	
08 91 16 00-0008	EA	12" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum	1,573.64	92.81
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	138.80	
		For Clear Lacquer Finish, Add	277.61	
		For Baked Enamel Standard Colors, Add	416.41	
		For Anodized Finish, Add	555.22	
		For Kynar® Standard Colors Finish, Add	763.42	
08 91 16 00-0009	EA	12" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum	1,748.88	106.06
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	153.68	
		For Clear Lacquer Finish, Add	307.35	
		For Baked Enamel Standard Colors, Add	461.03	
		For Anodized Finish, Add	614.70	
		For Kynar® Standard Colors Finish, Add	845.22	
08 91 16 00-0010	EA	12" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum	1,866.97	114.89
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	163.72	
		For Clear Lacquer Finish, Add	327.44	
		For Baked Enamel Standard Colors, Add	491.15	
		For Anodized Finish, Add	654.87	
		For Kynar® Standard Colors Finish, Add	900.45	
08 91 16 00-0011	EA	12" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum	2,014.30	123.73
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	176.68	
		For Clear Lacquer Finish, Add	353.37	
		For Baked Enamel Standard Colors, Add	530.05	
		For Anodized Finish, Add	706.73	
		For Kynar® Standard Colors Finish, Add	971.76	
08 91 16 00-0012	EA	12" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum	2,143.84	132.57
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	187.87	
		For Clear Lacquer Finish, Add	375.74	
		For Baked Enamel Standard Colors, Add	563.61	
		For Anodized Finish, Add	751.48	
		For Kynar® Standard Colors Finish, Add	1,033.28	

08 Openings**08 90 Louvers and Vents****08 91 Louvers**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 91 16 00-0013	EA	12" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	2,308.96	141.41
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	202.61	
		For Clear Lacquer Finish, Add	405.23	
		For Baked Enamel Standard Colors, Add	607.84	
		For Anodized Finish, Add	810.45	
		For Kynar® Standard Colors Finish, Add	1,114.37	
08 91 16 00-0014	EA	12" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	2,467.73	150.25
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	216.72	
		For Clear Lacquer Finish, Add	433.45	
		For Baked Enamel Standard Colors, Add	650.17	
		For Anodized Finish, Add	866.89	
		For Kynar® Standard Colors Finish, Add	1,191.98	
08 91 16 00-0015	EA	12" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	2,665.84	163.50
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	233.88	
		For Clear Lacquer Finish, Add	467.76	
		For Baked Enamel Standard Colors, Add	701.65	
		For Anodized Finish, Add	935.53	
		For Kynar® Standard Colors Finish, Add	1,286.35	
08 91 16 00-0016	EA	12" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	2,813.11	176.76
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	245.96	
		For Clear Lacquer Finish, Add	491.92	
		For Baked Enamel Standard Colors, Add	737.87	
		For Anodized Finish, Add	983.83	
		For Kynar® Standard Colors Finish, Add	1,352.77	
08 91 16 00-0017	EA	18" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	676.85	48.61
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	57.96	
		For Clear Lacquer Finish, Add	115.92	
		For Baked Enamel Standard Colors, Add	173.89	
		For Anodized Finish, Add	231.85	
		For Kynar® Standard Colors Finish, Add	318.79	
08 91 16 00-0018	EA	18" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	854.61	61.87
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	73.09	
		For Clear Lacquer Finish, Add	146.18	
		For Baked Enamel Standard Colors, Add	219.26	
		For Anodized Finish, Add	292.35	
		For Kynar® Standard Colors Finish, Add	401.98	
08 91 16 00-0019	EA	18" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	1,001.94	70.71
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	86.05	
		For Clear Lacquer Finish, Add	172.11	
		For Baked Enamel Standard Colors, Add	258.16	
		For Anodized Finish, Add	344.21	
		For Kynar® Standard Colors Finish, Add	473.29	
08 91 16 00-0020	EA	18" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	1,247.03	88.39
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	107.03	
		For Clear Lacquer Finish, Add	214.05	
		For Baked Enamel Standard Colors, Add	321.08	
		For Anodized Finish, Add	428.11	
		For Kynar® Standard Colors Finish, Add	588.65	
08 91 16 00-0021	EA	18" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	1,417.24	97.23
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	122.28	
		For Clear Lacquer Finish, Add	244.56	
		For Baked Enamel Standard Colors, Add	366.84	
		For Anodized Finish, Add	489.12	
		For Kynar® Standard Colors Finish, Add	672.54	
08 91 16 00-0022	EA	18" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	1,587.45	106.06
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	137.53	
		For Clear Lacquer Finish, Add	275.07	
		For Baked Enamel Standard Colors, Add	412.60	
		For Anodized Finish, Add	550.13	
		For Kynar® Standard Colors Finish, Add	756.43	
08 91 16 00-0023	EA	18" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	1,790.70	114.89
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	156.09	
		For Clear Lacquer Finish, Add	312.18	
		For Baked Enamel Standard Colors, Add	468.27	
		For Anodized Finish, Add	624.36	
		For Kynar® Standard Colors Finish, Add	858.50	
08 91 16 00-0024	EA	18" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	1,986.28	128.15
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	173.00	
		For Clear Lacquer Finish, Add	345.99	
		For Baked Enamel Standard Colors, Add	518.99	
		For Anodized Finish, Add	691.99	
		For Kynar® Standard Colors Finish, Add	951.48	
08 91 16 00-0025	EA	18" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	2,143.72	141.41
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	186.09	
		For Clear Lacquer Finish, Add	372.18	
		For Baked Enamel Standard Colors, Add	558.27	
		For Anodized Finish, Add	744.36	
		For Kynar® Standard Colors Finish, Add	1,023.49	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0026	EA		18" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	2,293.58	150.25
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	199.31	
			For Clear Lacquer Finish, Add	398.62	
			For Baked Enamel Standard Colors, Add	597.92	
			For Anodized Finish, Add	797.23	
			For Kynar® Standard Colors Finish, Add	1,096.19	
08 91 16 00-0027	EA		18" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	2,434.56	159.09
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	211.64	
			For Clear Lacquer Finish, Add	423.28	
			For Baked Enamel Standard Colors, Add	634.91	
			For Anodized Finish, Add	846.55	
			For Kynar® Standard Colors Finish, Add	1,164.01	
08 91 16 00-0028	EA		18" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	2,616.21	167.92
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	228.04	
			For Clear Lacquer Finish, Add	456.07	
			For Baked Enamel Standard Colors, Add	684.11	
			For Anodized Finish, Add	912.14	
			For Kynar® Standard Colors Finish, Add	1,254.19	
08 91 16 00-0029	EA		18" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	2,791.50	176.76
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	243.80	
			For Clear Lacquer Finish, Add	487.59	
			For Baked Enamel Standard Colors, Add	731.39	
			For Anodized Finish, Add	975.19	
			For Kynar® Standard Colors Finish, Add	1,340.88	
08 91 16 00-0030	EA		18" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	3,006.13	190.02
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	262.61	
			For Clear Lacquer Finish, Add	525.22	
			For Baked Enamel Standard Colors, Add	787.83	
			For Anodized Finish, Add	1,050.44	
			For Kynar® Standard Colors Finish, Add	1,444.35	
08 91 16 00-0031	EA		18" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	3,169.93	203.28
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	276.34	
			For Clear Lacquer Finish, Add	552.67	
			For Baked Enamel Standard Colors, Add	829.01	
			For Anodized Finish, Add	1,105.35	
			For Kynar® Standard Colors Finish, Add	1,519.85	
08 91 16 00-0032	EA		24" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	758.07	57.45
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	64.32	
			For Clear Lacquer Finish, Add	128.64	
			For Baked Enamel Standard Colors, Add	192.95	
			For Anodized Finish, Add	257.27	
			For Kynar® Standard Colors Finish, Add	353.75	
08 91 16 00-0033	EA		24" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	961.27	70.71
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	81.99	
			For Clear Lacquer Finish, Add	163.97	
			For Baked Enamel Standard Colors, Add	245.96	
			For Anodized Finish, Add	327.94	
			For Kynar® Standard Colors Finish, Add	450.92	
08 91 16 00-0034	EA		24" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	1,189.88	83.97
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	102.20	
			For Clear Lacquer Finish, Add	204.39	
			For Baked Enamel Standard Colors, Add	306.59	
			For Anodized Finish, Add	408.78	
			For Kynar® Standard Colors Finish, Add	562.08	
08 91 16 00-0035	EA		24" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	1,404.47	101.64
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	120.12	
			For Clear Lacquer Finish, Add	240.24	
			For Baked Enamel Standard Colors, Add	360.36	
			For Anodized Finish, Add	480.48	
			For Kynar® Standard Colors Finish, Add	660.65	
08 91 16 00-0036	EA		24" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	1,591.21	110.48
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	137.03	
			For Clear Lacquer Finish, Add	274.05	
			For Baked Enamel Standard Colors, Add	411.08	
			For Anodized Finish, Add	548.10	
			For Kynar® Standard Colors Finish, Add	753.64	
08 91 16 00-0037	EA		24" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	1,788.10	119.31
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	154.95	
			For Clear Lacquer Finish, Add	309.89	
			For Baked Enamel Standard Colors, Add	464.84	
			For Anodized Finish, Add	619.79	
			For Kynar® Standard Colors Finish, Add	852.21	
08 91 16 00-0038	EA		24" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	2,031.98	132.57
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	176.68	
			For Clear Lacquer Finish, Add	353.37	
			For Baked Enamel Standard Colors, Add	530.05	
			For Anodized Finish, Add	706.73	
			For Kynar® Standard Colors Finish, Add	971.76	

08 Openings**08 90 Louvers and Vents****08 91 Louvers**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 91 16 00-0039	EA	24" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum	2,240.20	150.25
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	193.97	
		For Clear Lacquer Finish, Add	387.94	
		For Baked Enamel Standard Colors, Add	581.91	
		For Anodized Finish, Add	775.88	
		For Kynar® Standard Colors Finish, Add	1,066.84	
08 91 16 00-0040	EA	24" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum	2,400.24	159.09
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	208.21	
		For Clear Lacquer Finish, Add	416.41	
		For Baked Enamel Standard Colors, Add	624.62	
		For Anodized Finish, Add	832.82	
		For Kynar® Standard Colors Finish, Add	1,145.13	
08 91 16 00-0041	EA	24" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum	2,577.95	176.76
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	222.44	
		For Clear Lacquer Finish, Add	444.88	
		For Baked Enamel Standard Colors, Add	667.33	
		For Anodized Finish, Add	889.77	
		For Kynar® Standard Colors Finish, Add	1,223.43	
08 91 16 00-0042	EA	24" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum	2,740.53	185.60
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	236.93	
		For Clear Lacquer Finish, Add	473.87	
		For Baked Enamel Standard Colors, Add	710.80	
		For Anodized Finish, Add	947.73	
		For Kynar® Standard Colors Finish, Add	1,303.13	
08 91 16 00-0043	EA	24" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum	2,960.32	194.44
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	257.14	
		For Clear Lacquer Finish, Add	514.29	
		For Baked Enamel Standard Colors, Add	771.43	
		For Anodized Finish, Add	1,028.58	
		For Kynar® Standard Colors Finish, Add	1,414.29	
08 91 16 00-0044	EA	24" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum	3,147.05	203.28
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	274.05	
		For Clear Lacquer Finish, Add	548.10	
		For Baked Enamel Standard Colors, Add	822.15	
		For Anodized Finish, Add	1,096.20	
		For Kynar® Standard Colors Finish, Add	1,507.27	
08 91 16 00-0045	EA	24" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum	3,383.29	216.54
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	295.02	
		For Clear Lacquer Finish, Add	590.04	
		For Baked Enamel Standard Colors, Add	885.07	
		For Anodized Finish, Add	1,180.09	
		For Kynar® Standard Colors Finish, Add	1,622.62	
08 91 16 00-0046	EA	24" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum	3,558.53	229.79
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	309.89	
		For Clear Lacquer Finish, Add	619.79	
		For Baked Enamel Standard Colors, Add	929.68	
		For Anodized Finish, Add	1,239.58	
		For Kynar® Standard Colors Finish, Add	1,704.42	
08 91 16 00-0047	EA	30" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum	845.66	66.29
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	71.31	
		For Clear Lacquer Finish, Add	142.62	
		For Baked Enamel Standard Colors, Add	213.93	
		For Anodized Finish, Add	285.24	
		For Kynar® Standard Colors Finish, Add	392.20	
08 91 16 00-0048	EA	30" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum	1,126.27	88.39
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	94.95	
		For Clear Lacquer Finish, Add	189.90	
		For Baked Enamel Standard Colors, Add	284.85	
		For Anodized Finish, Add	379.80	
		For Kynar® Standard Colors Finish, Add	522.23	
08 91 16 00-0049	EA	30" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum	1,335.83	101.64
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	113.26	
		For Clear Lacquer Finish, Add	226.51	
		For Baked Enamel Standard Colors, Add	339.77	
		For Anodized Finish, Add	453.02	
		For Kynar® Standard Colors Finish, Add	622.90	
08 91 16 00-0050	EA	30" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum	1,564.45	114.89
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	133.47	
		For Clear Lacquer Finish, Add	266.93	
		For Baked Enamel Standard Colors, Add	400.40	
		For Anodized Finish, Add	533.86	
		For Kynar® Standard Colors Finish, Add	734.06	
08 91 16 00-0051	EA	30" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum	1,767.71	123.73
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	152.02	
		For Clear Lacquer Finish, Add	304.05	
		For Baked Enamel Standard Colors, Add	456.07	
		For Anodized Finish, Add	608.10	
		For Kynar® Standard Colors Finish, Add	836.13	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0052	EA		30" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	1,979.81	136.99
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	170.58	
			For Clear Lacquer Finish, Add	341.16	
			For Baked Enamel Standard Colors, Add	511.75	
			For Anodized Finish, Add	682.33	
			For Kynar® Standard Colors Finish, Add	938.20	
08 91 16 00-0053	EA		30" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	2,231.37	145.83
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	193.97	
			For Clear Lacquer Finish, Add	387.94	
			For Baked Enamel Standard Colors, Add	581.91	
			For Anodized Finish, Add	775.88	
			For Kynar® Standard Colors Finish, Add	1,066.84	
08 91 16 00-0054	EA		30" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	2,448.54	159.09
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	213.04	
			For Clear Lacquer Finish, Add	426.07	
			For Baked Enamel Standard Colors, Add	639.11	
			For Anodized Finish, Add	852.14	
			For Kynar® Standard Colors Finish, Add	1,171.70	
08 91 16 00-0055	EA		30" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	2,626.38	167.92
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	229.05	
			For Clear Lacquer Finish, Add	458.10	
			For Baked Enamel Standard Colors, Add	687.16	
			For Anodized Finish, Add	916.21	
			For Kynar® Standard Colors Finish, Add	1,259.79	
08 91 16 00-0056	EA		30" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	2,824.42	185.60
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	245.32	
			For Clear Lacquer Finish, Add	490.64	
			For Baked Enamel Standard Colors, Add	735.97	
			For Anodized Finish, Add	981.29	
			For Kynar® Standard Colors Finish, Add	1,349.27	
08 91 16 00-0057	EA		30" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	3,012.37	198.86
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	261.47	
			For Clear Lacquer Finish, Add	522.93	
			For Baked Enamel Standard Colors, Add	784.40	
			For Anodized Finish, Add	1,045.86	
			For Kynar® Standard Colors Finish, Add	1,438.06	
08 91 16 00-0058	EA		30" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	3,246.14	207.70
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	283.07	
			For Clear Lacquer Finish, Add	566.15	
			For Baked Enamel Standard Colors, Add	849.22	
			For Anodized Finish, Add	1,132.30	
			For Kynar® Standard Colors Finish, Add	1,556.91	
08 91 16 00-0059	EA		30" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	3,449.39	216.54
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	301.63	
			For Clear Lacquer Finish, Add	603.26	
			For Baked Enamel Standard Colors, Add	904.90	
			For Anodized Finish, Add	1,206.53	
			For Kynar® Standard Colors Finish, Add	1,658.98	
08 91 16 00-0060	EA		30" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	3,697.08	229.79
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	323.75	
			For Clear Lacquer Finish, Add	647.50	
			For Baked Enamel Standard Colors, Add	971.25	
			For Anodized Finish, Add	1,295.00	
			For Kynar® Standard Colors Finish, Add	1,780.62	
08 91 16 00-0061	EA		30" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	3,895.20	243.05
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	340.91	
			For Clear Lacquer Finish, Add	681.82	
			For Baked Enamel Standard Colors, Add	1,022.73	
			For Anodized Finish, Add	1,363.64	
			For Kynar® Standard Colors Finish, Add	1,875.00	
08 91 16 00-0062	EA		36" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	926.89	75.13
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	77.66	
			For Clear Lacquer Finish, Add	155.33	
			For Baked Enamel Standard Colors, Add	232.99	
			For Anodized Finish, Add	310.66	
			For Kynar® Standard Colors Finish, Add	427.15	
08 91 16 00-0063	EA		36" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	1,253.27	97.23
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	105.88	
			For Clear Lacquer Finish, Add	211.77	
			For Baked Enamel Standard Colors, Add	317.65	
			For Anodized Finish, Add	423.53	
			For Kynar® Standard Colors Finish, Add	582.36	
08 91 16 00-0064	EA		36" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	1,464.10	110.48
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	124.31	
			For Clear Lacquer Finish, Add	248.63	
			For Baked Enamel Standard Colors, Add	372.94	
			For Anodized Finish, Add	497.26	
			For Kynar® Standard Colors Finish, Add	683.73	

08 Openings**08 90 Louvers and Vents****08 91 Louvers**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 91 16 00-0065	EA	36" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	1,714.32	123.73
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	146.69	
		For Clear Lacquer Finish, Add	293.37	
		For Baked Enamel Standard Colors, Add	440.06	
		For Anodized Finish, Add	586.74	
		For Kynar® Standard Colors Finish, Add	806.77	
08 91 16 00-0066	EA	36" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	1,945.26	134.34
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	167.66	
		For Clear Lacquer Finish, Add	335.32	
		For Baked Enamel Standard Colors, Add	502.97	
		For Anodized Finish, Add	670.63	
		For Kynar® Standard Colors Finish, Add	922.12	
08 91 16 00-0067	EA	36" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	2,162.73	145.83
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	187.11	
		For Clear Lacquer Finish, Add	374.21	
		For Baked Enamel Standard Colors, Add	561.32	
		For Anodized Finish, Add	748.42	
		For Kynar® Standard Colors Finish, Add	1,029.08	
08 91 16 00-0068	EA	36" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	2,443.52	154.67
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	213.42	
		For Clear Lacquer Finish, Add	426.84	
		For Baked Enamel Standard Colors, Add	640.25	
		For Anodized Finish, Add	853.67	
		For Kynar® Standard Colors Finish, Add	1,173.80	
08 91 16 00-0069	EA	36" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	2,687.40	167.92
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	235.15	
		For Clear Lacquer Finish, Add	470.31	
		For Baked Enamel Standard Colors, Add	705.46	
		For Anodized Finish, Add	940.62	
		For Kynar® Standard Colors Finish, Add	1,293.35	
08 91 16 00-0070	EA	36" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	2,886.76	181.18
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	252.44	
		For Clear Lacquer Finish, Add	504.88	
		For Baked Enamel Standard Colors, Add	757.32	
		For Anodized Finish, Add	1,009.76	
		For Kynar® Standard Colors Finish, Add	1,388.42	
08 91 16 00-0071	EA	36" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	3,091.24	194.44
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	270.24	
		For Clear Lacquer Finish, Add	540.47	
		For Baked Enamel Standard Colors, Add	810.71	
		For Anodized Finish, Add	1,080.94	
		For Kynar® Standard Colors Finish, Add	1,486.30	
08 91 16 00-0072	EA	36" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	3,302.07	207.70
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	288.67	
		For Clear Lacquer Finish, Add	577.33	
		For Baked Enamel Standard Colors, Add	866.00	
		For Anodized Finish, Add	1,154.67	
		For Kynar® Standard Colors Finish, Add	1,587.67	
08 91 16 00-0073	EA	36" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	3,557.43	216.54
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	312.44	
		For Clear Lacquer Finish, Add	624.87	
		For Baked Enamel Standard Colors, Add	937.31	
		For Anodized Finish, Add	1,249.74	
		For Kynar® Standard Colors Finish, Add	1,718.40	
08 91 16 00-0074	EA	36" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	3,775.95	225.38
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	332.52	
		For Clear Lacquer Finish, Add	665.04	
		For Baked Enamel Standard Colors, Add	997.56	
		For Anodized Finish, Add	1,330.08	
		For Kynar® Standard Colors Finish, Add	1,828.86	
08 91 16 00-0075	EA	36" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	4,055.42	238.63
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	357.82	
		For Clear Lacquer Finish, Add	715.63	
		For Baked Enamel Standard Colors, Add	1,073.45	
		For Anodized Finish, Add	1,431.26	
		For Kynar® Standard Colors Finish, Add	1,967.98	
08 91 16 00-0076	EA	36" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	4,264.96	251.89
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	376.12	
		For Clear Lacquer Finish, Add	752.24	
		For Baked Enamel Standard Colors, Add	1,128.35	
		For Anodized Finish, Add	1,504.47	
		For Kynar® Standard Colors Finish, Add	2,068.65	
08 91 16 00-0077	EA	42" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	1,060.23	83.97
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	89.23	
		For Clear Lacquer Finish, Add	178.46	
		For Baked Enamel Standard Colors, Add	267.69	
		For Anodized Finish, Add	356.92	
		For Kynar® Standard Colors Finish, Add	490.77	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0078	EA		42" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	1,352.30	106.06
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	114.02	
			For Clear Lacquer Finish, Add	228.04	
			For Baked Enamel Standard Colors, Add	342.05	
			For Anodized Finish, Add	456.07	
			For Kynar® Standard Colors Finish, Add	627.10	
08 91 16 00-0079	EA		42" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	1,586.00	119.31
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	134.74	
			For Clear Lacquer Finish, Add	269.47	
			For Baked Enamel Standard Colors, Add	404.21	
			For Anodized Finish, Add	538.95	
			For Kynar® Standard Colors Finish, Add	741.05	
08 91 16 00-0080	EA		42" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	1,853.97	136.99
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	158.00	
			For Clear Lacquer Finish, Add	316.00	
			For Baked Enamel Standard Colors, Add	473.99	
			For Anodized Finish, Add	631.99	
			For Kynar® Standard Colors Finish, Add	868.99	
08 91 16 00-0081	EA		42" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	2,099.17	145.83
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	180.75	
			For Clear Lacquer Finish, Add	361.50	
			For Baked Enamel Standard Colors, Add	542.25	
			For Anodized Finish, Add	723.00	
			For Kynar® Standard Colors Finish, Add	994.13	
08 91 16 00-0082	EA		42" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	2,331.66	154.67
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	202.23	
			For Clear Lacquer Finish, Add	404.46	
			For Baked Enamel Standard Colors, Add	606.70	
			For Anodized Finish, Add	808.93	
			For Kynar® Standard Colors Finish, Add	1,112.28	
08 91 16 00-0083	EA		42" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	2,636.61	163.50
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	230.96	
			For Clear Lacquer Finish, Add	461.92	
			For Baked Enamel Standard Colors, Add	692.88	
			For Anodized Finish, Add	923.84	
			For Kynar® Standard Colors Finish, Add	1,270.27	
08 91 16 00-0084	EA		42" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	2,884.29	176.76
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	253.08	
			For Clear Lacquer Finish, Add	506.15	
			For Baked Enamel Standard Colors, Add	759.23	
			For Anodized Finish, Add	1,012.30	
			For Kynar® Standard Colors Finish, Add	1,391.92	
08 91 16 00-0085	EA		42" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	3,107.82	190.02
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	272.78	
			For Clear Lacquer Finish, Add	545.56	
			For Baked Enamel Standard Colors, Add	818.33	
			For Anodized Finish, Add	1,091.11	
			For Kynar® Standard Colors Finish, Add	1,500.28	
08 91 16 00-0086	EA		42" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	3,317.38	203.28
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	291.08	
			For Clear Lacquer Finish, Add	582.16	
			For Baked Enamel Standard Colors, Add	873.25	
			For Anodized Finish, Add	1,164.33	
			For Kynar® Standard Colors Finish, Add	1,600.95	
08 91 16 00-0087	EA		42" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	3,545.99	216.54
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	311.29	
			For Clear Lacquer Finish, Add	622.58	
			For Baked Enamel Standard Colors, Add	933.88	
			For Anodized Finish, Add	1,245.17	
			For Kynar® Standard Colors Finish, Add	1,712.11	
08 91 16 00-0088	EA		42" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	3,820.44	225.38
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	336.97	
			For Clear Lacquer Finish, Add	673.94	
			For Baked Enamel Standard Colors, Add	1,010.91	
			For Anodized Finish, Add	1,347.88	
			For Kynar® Standard Colors Finish, Add	1,853.33	
08 91 16 00-0089	EA		42" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	4,059.29	234.21
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	359.09	
			For Clear Lacquer Finish, Add	718.17	
			For Baked Enamel Standard Colors, Add	1,077.26	
			For Anodized Finish, Add	1,436.34	
			For Kynar® Standard Colors Finish, Add	1,974.97	
08 91 16 00-0090	EA		42" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	4,371.80	247.47
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	387.69	
			For Clear Lacquer Finish, Add	775.37	
			For Baked Enamel Standard Colors, Add	1,163.06	
			For Anodized Finish, Add	1,550.74	
			For Kynar® Standard Colors Finish, Add	2,132.27	

08 Openings**08 90 Louvers and Vents****08 91 Louvers**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 91 16 00-0091	EA	42" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	4,590.25	260.73
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	406.88	
		For Clear Lacquer Finish, Add	813.76	
		For Baked Enamel Standard Colors, Add	1,220.64	
		For Anodized Finish, Add	1,627.52	
		For Kynar® Standard Colors Finish, Add	2,237.83	
08 91 16 00-0092	EA	48" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	1,147.82	92.81
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	96.22	
		For Clear Lacquer Finish, Add	192.44	
		For Baked Enamel Standard Colors, Add	288.67	
		For Anodized Finish, Add	384.89	
		For Kynar® Standard Colors Finish, Add	529.22	
08 91 16 00-0093	EA	48" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	1,457.67	114.89
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	122.79	
		For Clear Lacquer Finish, Add	245.58	
		For Baked Enamel Standard Colors, Add	368.36	
		For Anodized Finish, Add	491.15	
		For Kynar® Standard Colors Finish, Add	675.33	
08 91 16 00-0094	EA	48" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	1,724.37	132.57
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	145.92	
		For Clear Lacquer Finish, Add	291.84	
		For Baked Enamel Standard Colors, Add	437.77	
		For Anodized Finish, Add	583.69	
		For Kynar® Standard Colors Finish, Add	802.57	
08 91 16 00-0095	EA	48" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	1,997.49	145.83
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	170.58	
		For Clear Lacquer Finish, Add	341.16	
		For Baked Enamel Standard Colors, Add	511.75	
		For Anodized Finish, Add	682.33	
		For Kynar® Standard Colors Finish, Add	938.20	
08 91 16 00-0096	EA	48" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	2,268.11	154.67
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	195.88	
		For Clear Lacquer Finish, Add	391.75	
		For Baked Enamel Standard Colors, Add	587.63	
		For Anodized Finish, Add	783.51	
		For Kynar® Standard Colors Finish, Add	1,077.32	
08 91 16 00-0097	EA	48" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	2,529.84	163.50
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	220.28	
		For Clear Lacquer Finish, Add	440.56	
		For Baked Enamel Standard Colors, Add	660.85	
		For Anodized Finish, Add	881.13	
		For Kynar® Standard Colors Finish, Add	1,211.55	
08 91 16 00-0098	EA	48" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	2,856.33	176.76
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	250.28	
		For Clear Lacquer Finish, Add	500.56	
		For Baked Enamel Standard Colors, Add	750.84	
		For Anodized Finish, Add	1,001.12	
		For Kynar® Standard Colors Finish, Add	1,376.54	
08 91 16 00-0099	EA	48" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	3,126.89	190.02
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	274.69	
		For Clear Lacquer Finish, Add	549.37	
		For Baked Enamel Standard Colors, Add	824.06	
		For Anodized Finish, Add	1,098.74	
		For Kynar® Standard Colors Finish, Add	1,510.77	
08 91 16 00-0100	EA	48" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	3,361.87	203.28
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	295.53	
		For Clear Lacquer Finish, Add	591.06	
		For Baked Enamel Standard Colors, Add	886.59	
		For Anodized Finish, Add	1,182.12	
		For Kynar® Standard Colors Finish, Add	1,625.42	
08 91 16 00-0101	EA	48" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	3,600.65	216.54
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	316.76	
		For Clear Lacquer Finish, Add	633.52	
		For Baked Enamel Standard Colors, Add	950.27	
		For Anodized Finish, Add	1,267.03	
		For Kynar® Standard Colors Finish, Add	1,742.17	
08 91 16 00-0102	EA	48" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	3,834.36	229.79
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	337.48	
		For Clear Lacquer Finish, Add	674.95	
		For Baked Enamel Standard Colors, Add	1,012.43	
		For Anodized Finish, Add	1,349.91	
		For Kynar® Standard Colors Finish, Add	1,856.12	
08 91 16 00-0103	EA	48" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	4,144.39	238.63
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	366.71	
		For Clear Lacquer Finish, Add	733.42	
		For Baked Enamel Standard Colors, Add	1,100.14	
		For Anodized Finish, Add	1,466.85	
		For Kynar® Standard Colors Finish, Add	2,016.92	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0104	EA		48" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	4,402.30	247.47
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	390.74	
			For Clear Lacquer Finish, Add	781.47	
			For Baked Enamel Standard Colors, Add	1,172.21	
			For Anodized Finish, Add	1,562.94	
			For Kynar® Standard Colors Finish, Add	2,149.05	
08 91 16 00-0105	EA		48" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	4,719.96	256.31
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	420.73	
			For Clear Lacquer Finish, Add	841.47	
			For Baked Enamel Standard Colors, Add	1,262.20	
			For Anodized Finish, Add	1,682.94	
			For Kynar® Standard Colors Finish, Add	2,314.04	
08 91 16 00-0106	EA		48" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	4,960.03	269.57
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	442.09	
			For Clear Lacquer Finish, Add	884.18	
			For Baked Enamel Standard Colors, Add	1,326.27	
			For Anodized Finish, Add	1,768.36	
			For Kynar® Standard Colors Finish, Add	2,431.49	
08 91 16 00-0107	EA		54" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	1,331.96	106.06
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	111.98	
			For Clear Lacquer Finish, Add	223.97	
			For Baked Enamel Standard Colors, Add	335.95	
			For Anodized Finish, Add	447.94	
			For Kynar® Standard Colors Finish, Add	615.91	
08 91 16 00-0108	EA		54" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	1,705.36	128.15
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	144.91	
			For Clear Lacquer Finish, Add	289.81	
			For Baked Enamel Standard Colors, Add	434.72	
			For Anodized Finish, Add	579.62	
			For Kynar® Standard Colors Finish, Add	796.98	
08 91 16 00-0109	EA		54" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	1,998.69	150.25
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	169.82	
			For Clear Lacquer Finish, Add	339.64	
			For Baked Enamel Standard Colors, Add	509.46	
			For Anodized Finish, Add	679.28	
			For Kynar® Standard Colors Finish, Add	934.00	
08 91 16 00-0110	EA		54" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	2,292.20	159.09
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	197.40	
			For Clear Lacquer Finish, Add	394.80	
			For Baked Enamel Standard Colors, Add	592.21	
			For Anodized Finish, Add	789.61	
			For Kynar® Standard Colors Finish, Add	1,085.71	
08 91 16 00-0111	EA		54" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	2,611.13	167.92
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	227.53	
			For Clear Lacquer Finish, Add	455.05	
			For Baked Enamel Standard Colors, Add	682.58	
			For Anodized Finish, Add	910.11	
			For Kynar® Standard Colors Finish, Add	1,251.40	
08 91 16 00-0112	EA		54" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	2,897.00	176.76
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	254.35	
			For Clear Lacquer Finish, Add	508.69	
			For Baked Enamel Standard Colors, Add	763.04	
			For Anodized Finish, Add	1,017.39	
			For Kynar® Standard Colors Finish, Add	1,398.91	
08 91 16 00-0113	EA		54" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	3,275.61	190.02
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	289.56	
			For Clear Lacquer Finish, Add	579.11	
			For Baked Enamel Standard Colors, Add	868.67	
			For Anodized Finish, Add	1,158.23	
			For Kynar® Standard Colors Finish, Add	1,592.56	
08 91 16 00-0114	EA		54" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	3,644.05	203.28
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	323.75	
			For Clear Lacquer Finish, Add	647.50	
			For Baked Enamel Standard Colors, Add	971.25	
			For Anodized Finish, Add	1,295.00	
			For Kynar® Standard Colors Finish, Add	1,780.62	
08 91 16 00-0115	EA		54" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	3,920.97	216.54
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	348.79	
			For Clear Lacquer Finish, Add	697.58	
			For Baked Enamel Standard Colors, Add	1,046.37	
			For Anodized Finish, Add	1,395.16	
			For Kynar® Standard Colors Finish, Add	1,918.35	
08 91 16 00-0116	EA		54" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	4,194.08	229.79
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	373.45	
			For Clear Lacquer Finish, Add	746.90	
			For Baked Enamel Standard Colors, Add	1,120.35	
			For Anodized Finish, Add	1,493.80	
			For Kynar® Standard Colors Finish, Add	2,053.97	

08 Openings**08 90 Louvers and Vents****08 91 Louvers**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 91 16 00-0117	EA	54" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum	4,455.81	238.63
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	397.85	
		For Clear Lacquer Finish, Add	795.71	
		For Baked Enamel Standard Colors, Add	1,193.56	
		For Anodized Finish, Add	1,591.42	
		For Kynar® Standard Colors Finish, Add	2,188.20	
08 91 16 00-0118	EA	54" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum	4,801.43	247.47
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	430.65	
		For Clear Lacquer Finish, Add	861.30	
		For Baked Enamel Standard Colors, Add	1,291.95	
		For Anodized Finish, Add	1,722.60	
		For Kynar® Standard Colors Finish, Add	2,368.57	
08 91 16 00-0119	EA	54" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum	5,089.85	256.31
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	457.72	
		For Clear Lacquer Finish, Add	915.45	
		For Baked Enamel Standard Colors, Add	1,373.17	
		For Anodized Finish, Add	1,830.89	
		For Kynar® Standard Colors Finish, Add	2,517.48	
08 91 16 00-0120	EA	54" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum	5,460.90	265.15
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	493.06	
		For Clear Lacquer Finish, Add	986.12	
		For Baked Enamel Standard Colors, Add	1,479.18	
		For Anodized Finish, Add	1,972.24	
		For Kynar® Standard Colors Finish, Add	2,711.83	
08 91 16 00-0121	EA	54" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum	5,740.36	278.41
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	518.36	
		For Clear Lacquer Finish, Add	1,036.71	
		For Baked Enamel Standard Colors, Add	1,555.07	
		For Anodized Finish, Add	2,073.42	
		For Kynar® Standard Colors Finish, Add	2,850.95	
08 91 16 00-0122	EA	60" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum	1,414.46	114.89
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	118.47	
		For Clear Lacquer Finish, Add	236.93	
		For Baked Enamel Standard Colors, Add	355.40	
		For Anodized Finish, Add	473.87	
		For Kynar® Standard Colors Finish, Add	651.57	
08 91 16 00-0123	EA	60" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum	1,819.59	141.41
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	153.68	
		For Clear Lacquer Finish, Add	307.35	
		For Baked Enamel Standard Colors, Add	461.03	
		For Anodized Finish, Add	614.70	
		For Kynar® Standard Colors Finish, Add	845.22	
08 91 16 00-0124	EA	60" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum	2,118.06	159.09
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	179.99	
		For Clear Lacquer Finish, Add	359.98	
		For Baked Enamel Standard Colors, Add	539.96	
		For Anodized Finish, Add	719.95	
		For Kynar® Standard Colors Finish, Add	989.93	
08 91 16 00-0125	EA	60" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum	2,440.80	167.92
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	210.49	
		For Clear Lacquer Finish, Add	420.99	
		For Baked Enamel Standard Colors, Add	631.48	
		For Anodized Finish, Add	841.98	
		For Kynar® Standard Colors Finish, Add	1,157.72	
08 91 16 00-0126	EA	60" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum	2,779.99	181.18
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	241.76	
		For Clear Lacquer Finish, Add	483.53	
		For Baked Enamel Standard Colors, Add	725.29	
		For Anodized Finish, Add	967.05	
		For Kynar® Standard Colors Finish, Add	1,329.70	
08 91 16 00-0127	EA	60" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum	3,082.40	190.02
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	270.24	
		For Clear Lacquer Finish, Add	540.47	
		For Baked Enamel Standard Colors, Add	810.71	
		For Anodized Finish, Add	1,080.94	
		For Kynar® Standard Colors Finish, Add	1,486.30	
08 91 16 00-0128	EA	60" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum	3,487.71	203.28
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	308.12	
		For Clear Lacquer Finish, Add	616.23	
		For Baked Enamel Standard Colors, Add	924.35	
		For Anodized Finish, Add	1,232.46	
		For Kynar® Standard Colors Finish, Add	1,694.63	
08 91 16 00-0129	EA	60" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum	3,866.31	216.54
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	343.32	
		For Clear Lacquer Finish, Add	686.65	
		For Baked Enamel Standard Colors, Add	1,029.97	
		For Anodized Finish, Add	1,373.30	
		For Kynar® Standard Colors Finish, Add	1,888.28	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0130	EA		60" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	4,162.30	229.79
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	370.27	
			For Clear Lacquer Finish, Add	740.54	
			For Baked Enamel Standard Colors, Add	1,110.81	
			For Anodized Finish, Add	1,481.08	
			For Kynar® Standard Colors Finish, Add	2,036.49	
08 91 16 00-0131	EA		60" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	4,453.21	243.05
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	396.71	
			For Clear Lacquer Finish, Add	793.42	
			For Baked Enamel Standard Colors, Add	1,190.13	
			For Anodized Finish, Add	1,586.84	
			For Kynar® Standard Colors Finish, Add	2,181.91	
08 91 16 00-0132	EA		60" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	4,731.46	251.89
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	422.77	
			For Clear Lacquer Finish, Add	845.54	
			For Baked Enamel Standard Colors, Add	1,268.30	
			For Anodized Finish, Add	1,691.07	
			For Kynar® Standard Colors Finish, Add	2,325.22	
08 91 16 00-0133	EA		60" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	5,106.32	260.73
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	458.49	
			For Clear Lacquer Finish, Add	916.97	
			For Baked Enamel Standard Colors, Add	1,375.46	
			For Anodized Finish, Add	1,833.94	
			For Kynar® Standard Colors Finish, Add	2,521.67	
08 91 16 00-0134	EA		60" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	5,408.72	269.57
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	486.96	
			For Clear Lacquer Finish, Add	973.92	
			For Baked Enamel Standard Colors, Add	1,460.87	
			For Anodized Finish, Add	1,947.83	
			For Kynar® Standard Colors Finish, Add	2,678.27	
08 91 16 00-0135	EA		60" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	5,798.83	278.41
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	524.20	
			For Clear Lacquer Finish, Add	1,048.40	
			For Baked Enamel Standard Colors, Add	1,572.61	
			For Anodized Finish, Add	2,096.81	
			For Kynar® Standard Colors Finish, Add	2,883.11	
08 91 16 00-0136	EA		60" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	6,085.97	287.25
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	551.15	
			For Clear Lacquer Finish, Add	1,102.30	
			For Baked Enamel Standard Colors, Add	1,653.45	
			For Anodized Finish, Add	2,204.60	
			For Kynar® Standard Colors Finish, Add	3,031.32	
08 91 16 00-0137			Adjustable Intake Wall Louvers Operators (08 91 16)		
08 91 16 00-0138	EA		5' Chain Actuator For Adjustable Intake Louver.....	362.95	44.19
08 91 16 00-0139	EA		Panel Crank For Adjustable Intake Louver	770.05	17.68
08 91 19			Fixed Louvers (08 91)		
08 91 19 00-0001			Fixed Intake Wall Louvers (08 91 19)		
08 91 19 00-0002	EA		12" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	463.42	39.77
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	38.39	
			For Clear Lacquer Finish, Add	76.77	
			For Baked Enamel Standard Colors, Add	115.16	
			For Anodized Finish, Add	153.55	
			For Kynar® Standard Colors Finish, Add	211.13	
08 91 19 00-0003	EA		12" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	551.01	48.61
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	45.38	
			For Clear Lacquer Finish, Add	90.76	
			For Baked Enamel Standard Colors, Add	136.13	
			For Anodized Finish, Add	181.51	
			For Kynar® Standard Colors Finish, Add	249.58	
08 91 19 00-0004	EA		12" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	639.85	57.45
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	52.50	
			For Clear Lacquer Finish, Add	104.99	
			For Baked Enamel Standard Colors, Add	157.49	
			For Anodized Finish, Add	209.98	
			For Kynar® Standard Colors Finish, Add	288.73	
08 91 19 00-0005	EA		12" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	750.32	66.29
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	61.78	
			For Clear Lacquer Finish, Add	123.55	
			For Baked Enamel Standard Colors, Add	185.33	
			For Anodized Finish, Add	247.10	
			For Kynar® Standard Colors Finish, Add	339.76	

08 Openings**08 90 Louvers and Vents****08 91 Louvers**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 91 19 00-0006	EA	12" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	844.27	75.13
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	69.40	
		For Clear Lacquer Finish, Add	138.80	
		For Baked Enamel Standard Colors, Add	208.21	
		For Anodized Finish, Add	277.61	
		For Kynar® Standard Colors Finish, Add	381.71	
08 91 19 00-0007	EA	12" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	994.14	83.97
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	82.62	
		For Clear Lacquer Finish, Add	165.24	
		For Baked Enamel Standard Colors, Add	247.87	
		For Anodized Finish, Add	330.49	
		For Kynar® Standard Colors Finish, Add	454.42	
08 91 19 00-0008	EA	12" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	1,077.91	92.81
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	89.23	
		For Clear Lacquer Finish, Add	178.46	
		For Baked Enamel Standard Colors, Add	267.69	
		For Anodized Finish, Add	356.92	
		For Kynar® Standard Colors Finish, Add	490.77	
08 91 19 00-0009	EA	12" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	1,206.12	106.06
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	99.40	
		For Clear Lacquer Finish, Add	198.80	
		For Baked Enamel Standard Colors, Add	298.20	
		For Anodized Finish, Add	397.60	
		For Kynar® Standard Colors Finish, Add	546.70	
08 91 19 00-0010	EA	12" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	1,283.53	114.89
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	105.37	
		For Clear Lacquer Finish, Add	210.75	
		For Baked Enamel Standard Colors, Add	316.12	
		For Anodized Finish, Add	421.50	
		For Kynar® Standard Colors Finish, Add	579.56	
08 91 19 00-0011	EA	12" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	1,387.65	123.73
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	114.02	
		For Clear Lacquer Finish, Add	228.04	
		For Baked Enamel Standard Colors, Add	342.05	
		For Anodized Finish, Add	456.07	
		For Kynar® Standard Colors Finish, Add	627.10	
08 91 19 00-0012	EA	12" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	1,479.05	132.57
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	121.39	
		For Clear Lacquer Finish, Add	242.78	
		For Baked Enamel Standard Colors, Add	364.17	
		For Anodized Finish, Add	485.56	
		For Kynar® Standard Colors Finish, Add	667.65	
08 91 19 00-0013	EA	12" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	1,586.98	141.41
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	130.42	
		For Clear Lacquer Finish, Add	260.83	
		For Baked Enamel Standard Colors, Add	391.25	
		For Anodized Finish, Add	521.66	
		For Kynar® Standard Colors Finish, Add	717.28	
08 91 19 00-0014	EA	12" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	1,688.54	150.25
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	138.80	
		For Clear Lacquer Finish, Add	277.61	
		For Baked Enamel Standard Colors, Add	416.41	
		For Anodized Finish, Add	555.22	
		For Kynar® Standard Colors Finish, Add	763.42	
08 91 19 00-0015	EA	12" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	1,781.16	163.50
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	145.41	
		For Clear Lacquer Finish, Add	290.83	
		For Baked Enamel Standard Colors, Add	436.24	
		For Anodized Finish, Add	581.66	
		For Kynar® Standard Colors Finish, Add	799.78	
08 91 19 00-0016	EA	12" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	1,903.00	176.76
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	154.95	
		For Clear Lacquer Finish, Add	309.89	
		For Baked Enamel Standard Colors, Add	464.84	
		For Anodized Finish, Add	619.79	
		For Kynar® Standard Colors Finish, Add	852.21	
08 91 19 00-0017	EA	18" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	539.57	48.61
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	44.23	
		For Clear Lacquer Finish, Add	88.47	
		For Baked Enamel Standard Colors, Add	132.70	
		For Anodized Finish, Add	176.94	
		For Kynar® Standard Colors Finish, Add	243.29	
08 91 19 00-0018	EA	18" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	648.69	61.87
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	52.50	
		For Clear Lacquer Finish, Add	104.99	
		For Baked Enamel Standard Colors, Add	157.49	
		For Anodized Finish, Add	209.98	
		For Kynar® Standard Colors Finish, Add	288.73	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0019	EA		18" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	751.54	70.71
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	61.01	
			For Clear Lacquer Finish, Add	122.03	
			For Baked Enamel Standard Colors, Add	183.04	
			For Anodized Finish, Add	244.05	
			For Kynar® Standard Colors Finish, Add	335.57	
08 91 19 00-0020	EA		18" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	941.96	88.39
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	76.52	
			For Clear Lacquer Finish, Add	153.04	
			For Baked Enamel Standard Colors, Add	229.56	
			For Anodized Finish, Add	306.08	
			For Kynar® Standard Colors Finish, Add	420.86	
08 91 19 00-0021	EA		18" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	1,079.13	97.23
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	88.47	
			For Clear Lacquer Finish, Add	176.94	
			For Baked Enamel Standard Colors, Add	265.41	
			For Anodized Finish, Add	353.88	
			For Kynar® Standard Colors Finish, Add	486.58	
08 91 19 00-0022	EA		18" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	1,201.04	106.06
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	98.89	
			For Clear Lacquer Finish, Add	197.78	
			For Baked Enamel Standard Colors, Add	296.68	
			For Anodized Finish, Add	395.57	
			For Kynar® Standard Colors Finish, Add	543.91	
08 91 19 00-0023	EA		18" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	1,288.62	114.89
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	105.88	
			For Clear Lacquer Finish, Add	211.77	
			For Baked Enamel Standard Colors, Add	317.65	
			For Anodized Finish, Add	423.53	
			For Kynar® Standard Colors Finish, Add	582.36	
08 91 19 00-0024	EA		18" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	1,434.62	128.15
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	117.83	
			For Clear Lacquer Finish, Add	235.66	
			For Baked Enamel Standard Colors, Add	353.49	
			For Anodized Finish, Add	471.32	
			For Kynar® Standard Colors Finish, Add	648.07	
08 91 19 00-0025	EA		18" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	1,538.68	141.41
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	125.59	
			For Clear Lacquer Finish, Add	251.17	
			For Baked Enamel Standard Colors, Add	376.76	
			For Anodized Finish, Add	502.34	
			For Kynar® Standard Colors Finish, Add	690.72	
08 91 19 00-0026	EA		18" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	1,670.75	150.25
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	137.03	
			For Clear Lacquer Finish, Add	274.05	
			For Baked Enamel Standard Colors, Add	411.08	
			For Anodized Finish, Add	548.10	
			For Kynar® Standard Colors Finish, Add	753.64	
08 91 19 00-0027	EA		18" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	1,772.32	159.09
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	145.41	
			For Clear Lacquer Finish, Add	290.83	
			For Baked Enamel Standard Colors, Add	436.24	
			For Anodized Finish, Add	581.66	
			For Kynar® Standard Colors Finish, Add	799.78	
08 91 19 00-0028	EA		18" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	1,885.33	167.92
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	154.95	
			For Clear Lacquer Finish, Add	309.89	
			For Baked Enamel Standard Colors, Add	464.84	
			For Anodized Finish, Add	619.79	
			For Kynar® Standard Colors Finish, Add	852.21	
08 91 19 00-0029	EA		18" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	2,003.42	176.76
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	164.99	
			For Clear Lacquer Finish, Add	329.98	
			For Baked Enamel Standard Colors, Add	494.97	
			For Anodized Finish, Add	659.96	
			For Kynar® Standard Colors Finish, Add	907.44	
08 91 19 00-0030	EA		18" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	2,110.01	190.02
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	173.00	
			For Clear Lacquer Finish, Add	345.99	
			For Baked Enamel Standard Colors, Add	518.99	
			For Anodized Finish, Add	691.99	
			For Kynar® Standard Colors Finish, Add	951.48	
08 91 19 00-0031	EA		18" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	2,256.01	203.28
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	184.95	
			For Clear Lacquer Finish, Add	369.89	
			For Baked Enamel Standard Colors, Add	554.84	
			For Anodized Finish, Add	739.78	
			For Kynar® Standard Colors Finish, Add	1,017.20	

08 Openings**08 90 Louvers and Vents****08 91 Louvers**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 91 19 00-0032	EA	24" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	624.60	57.45
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	50.97	
		For Clear Lacquer Finish, Add	101.94	
		For Baked Enamel Standard Colors, Add	152.91	
		For Anodized Finish, Add	203.88	
		For Kynar® Standard Colors Finish, Add	280.34	
08 91 19 00-0033	EA	24" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	745.18	70.71
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	60.38	
		For Clear Lacquer Finish, Add	120.75	
		For Baked Enamel Standard Colors, Add	181.13	
		For Anodized Finish, Add	241.51	
		For Kynar® Standard Colors Finish, Add	332.07	
08 91 19 00-0034	EA	24" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	921.68	83.97
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	75.38	
		For Clear Lacquer Finish, Add	150.75	
		For Baked Enamel Standard Colors, Add	226.13	
		For Anodized Finish, Add	301.50	
		For Kynar® Standard Colors Finish, Add	414.57	
08 91 19 00-0035	EA	24" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	1,087.97	101.64
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	88.47	
		For Clear Lacquer Finish, Add	176.94	
		For Baked Enamel Standard Colors, Add	265.41	
		For Anodized Finish, Add	353.88	
		For Kynar® Standard Colors Finish, Add	486.58	
08 91 19 00-0036	EA	24" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	1,242.92	110.48
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	102.20	
		For Clear Lacquer Finish, Add	204.39	
		For Baked Enamel Standard Colors, Add	306.59	
		For Anodized Finish, Add	408.78	
		For Kynar® Standard Colors Finish, Add	562.08	
08 91 19 00-0037	EA	24" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	1,386.43	119.31
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	114.78	
		For Clear Lacquer Finish, Add	229.56	
		For Baked Enamel Standard Colors, Add	344.34	
		For Anodized Finish, Add	459.12	
		For Kynar® Standard Colors Finish, Add	631.29	
08 91 19 00-0038	EA	24" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	1,508.29	132.57
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	124.31	
		For Clear Lacquer Finish, Add	248.63	
		For Baked Enamel Standard Colors, Add	372.94	
		For Anodized Finish, Add	497.26	
		For Kynar® Standard Colors Finish, Add	683.73	
08 91 19 00-0039	EA	24" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	1,670.75	150.25
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	137.03	
		For Clear Lacquer Finish, Add	274.05	
		For Baked Enamel Standard Colors, Add	411.08	
		For Anodized Finish, Add	548.10	
		For Kynar® Standard Colors Finish, Add	753.64	
08 91 19 00-0040	EA	24" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	1,777.40	159.09
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	145.92	
		For Clear Lacquer Finish, Add	291.84	
		For Baked Enamel Standard Colors, Add	437.77	
		For Anodized Finish, Add	583.69	
		For Kynar® Standard Colors Finish, Add	802.57	
08 91 19 00-0041	EA	24" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	1,953.84	176.76
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	160.03	
		For Clear Lacquer Finish, Add	320.06	
		For Baked Enamel Standard Colors, Add	480.09	
		For Anodized Finish, Add	640.12	
		For Kynar® Standard Colors Finish, Add	880.17	
08 91 19 00-0042	EA	24" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	2,064.31	185.60
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	169.31	
		For Clear Lacquer Finish, Add	338.62	
		For Baked Enamel Standard Colors, Add	507.93	
		For Anodized Finish, Add	677.24	
		For Kynar® Standard Colors Finish, Add	931.21	
08 91 19 00-0043	EA	24" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	2,206.55	194.44
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	181.77	
		For Clear Lacquer Finish, Add	363.53	
		For Baked Enamel Standard Colors, Add	545.30	
		For Anodized Finish, Add	727.07	
		For Kynar® Standard Colors Finish, Add	999.72	
08 91 19 00-0044	EA	24" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	2,346.26	203.28
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	193.97	
		For Clear Lacquer Finish, Add	387.94	
		For Baked Enamel Standard Colors, Add	581.91	
		For Anodized Finish, Add	775.88	
		For Kynar® Standard Colors Finish, Add	1,066.84	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0045	EA		24" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	2,455.39	216.54
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	202.23	
			For Clear Lacquer Finish, Add	404.46	
			For Baked Enamel Standard Colors, Add	606.70	
			For Anodized Finish, Add	808.93	
			For Kynar® Standard Colors Finish, Add	1,112.28	
08 91 19 00-0046	EA		24" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	2,631.90	229.79
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	217.23	
			For Clear Lacquer Finish, Add	434.46	
			For Baked Enamel Standard Colors, Add	651.69	
			For Anodized Finish, Add	868.92	
			For Kynar® Standard Colors Finish, Add	1,194.77	
08 91 19 00-0047	EA		30" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	700.75	66.29
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	56.82	
			For Clear Lacquer Finish, Add	113.64	
			For Baked Enamel Standard Colors, Add	170.45	
			For Anodized Finish, Add	227.27	
			For Kynar® Standard Colors Finish, Add	312.50	
08 91 19 00-0048	EA		30" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	907.64	88.39
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	73.09	
			For Clear Lacquer Finish, Add	146.18	
			For Baked Enamel Standard Colors, Add	219.26	
			For Anodized Finish, Add	292.35	
			For Kynar® Standard Colors Finish, Add	401.98	
08 91 19 00-0049	EA		30" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	1,058.73	101.64
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	85.55	
			For Clear Lacquer Finish, Add	171.09	
			For Baked Enamel Standard Colors, Add	256.64	
			For Anodized Finish, Add	342.18	
			For Kynar® Standard Colors Finish, Add	470.50	
08 91 19 00-0050	EA		30" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	1,233.96	114.89
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	100.42	
			For Clear Lacquer Finish, Add	200.83	
			For Baked Enamel Standard Colors, Add	301.25	
			For Anodized Finish, Add	401.67	
			For Kynar® Standard Colors Finish, Add	552.29	
08 91 19 00-0051	EA		30" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	1,419.42	123.73
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	117.20	
			For Clear Lacquer Finish, Add	234.39	
			For Baked Enamel Standard Colors, Add	351.59	
			For Anodized Finish, Add	468.78	
			For Kynar® Standard Colors Finish, Add	644.57	
08 91 19 00-0052	EA		30" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	1,578.14	136.99
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	130.42	
			For Clear Lacquer Finish, Add	260.83	
			For Baked Enamel Standard Colors, Add	391.25	
			For Anodized Finish, Add	521.66	
			For Kynar® Standard Colors Finish, Add	717.28	
08 91 19 00-0053	EA		30" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	1,696.24	145.83
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	140.46	
			For Clear Lacquer Finish, Add	280.91	
			For Baked Enamel Standard Colors, Add	421.37	
			For Anodized Finish, Add	561.83	
			For Kynar® Standard Colors Finish, Add	772.51	
08 91 19 00-0054	EA		30" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	1,862.57	159.09
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	154.44	
			For Clear Lacquer Finish, Add	308.88	
			For Baked Enamel Standard Colors, Add	463.32	
			For Anodized Finish, Add	617.76	
			For Kynar® Standard Colors Finish, Add	849.41	
08 91 19 00-0055	EA		30" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	1,994.65	167.92
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	165.88	
			For Clear Lacquer Finish, Add	331.76	
			For Baked Enamel Standard Colors, Add	497.64	
			For Anodized Finish, Add	663.52	
			For Kynar® Standard Colors Finish, Add	912.33	
08 91 19 00-0056	EA		30" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	2,197.77	185.60
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	182.66	
			For Clear Lacquer Finish, Add	365.31	
			For Baked Enamel Standard Colors, Add	547.97	
			For Anodized Finish, Add	730.63	
			For Kynar® Standard Colors Finish, Add	1,004.61	
08 91 19 00-0057	EA		30" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	2,328.52	198.86
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	193.08	
			For Clear Lacquer Finish, Add	386.16	
			For Baked Enamel Standard Colors, Add	579.24	
			For Anodized Finish, Add	772.32	
			For Kynar® Standard Colors Finish, Add	1,061.94	

08 Openings**08 90 Louvers and Vents****08 91 Louvers**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 91 19 00-0058	EA	30" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	2,479.67	207.70
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	206.43	
		For Clear Lacquer Finish, Add	412.85	
		For Baked Enamel Standard Colors, Add	619.28	
		For Anodized Finish, Add	825.71	
		For Kynar® Standard Colors Finish, Add	1,135.35	
08 91 19 00-0059	EA	30" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	2,629.53	216.54
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	219.65	
		For Clear Lacquer Finish, Add	439.29	
		For Baked Enamel Standard Colors, Add	658.94	
		For Anodized Finish, Add	878.58	
		For Kynar® Standard Colors Finish, Add	1,208.05	
08 91 19 00-0060	EA	30" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	2,757.74	229.79
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	229.82	
		For Clear Lacquer Finish, Add	459.63	
		For Baked Enamel Standard Colors, Add	689.45	
		For Anodized Finish, Add	919.26	
		For Kynar® Standard Colors Finish, Add	1,263.98	
08 91 19 00-0061	EA	30" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	2,957.13	243.05
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	247.10	
		For Clear Lacquer Finish, Add	494.20	
		For Baked Enamel Standard Colors, Add	741.31	
		For Anodized Finish, Add	988.41	
		For Kynar® Standard Colors Finish, Add	1,359.06	
08 91 19 00-0062	EA	36" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	778.17	75.13
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	62.79	
		For Clear Lacquer Finish, Add	125.58	
		For Baked Enamel Standard Colors, Add	188.38	
		For Anodized Finish, Add	251.17	
		For Kynar® Standard Colors Finish, Add	345.36	
08 91 19 00-0063	EA	36" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	1,020.66	97.23
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	82.62	
		For Clear Lacquer Finish, Add	165.24	
		For Baked Enamel Standard Colors, Add	247.87	
		For Anodized Finish, Add	330.49	
		For Kynar® Standard Colors Finish, Add	454.42	
08 91 19 00-0064	EA	36" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	1,179.37	110.48
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	95.84	
		For Clear Lacquer Finish, Add	191.68	
		For Baked Enamel Standard Colors, Add	287.52	
		For Anodized Finish, Add	383.36	
		For Kynar® Standard Colors Finish, Add	527.13	
08 91 19 00-0065	EA	36" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	1,367.31	123.73
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	111.98	
		For Clear Lacquer Finish, Add	223.97	
		For Baked Enamel Standard Colors, Add	335.95	
		For Anodized Finish, Add	447.94	
		For Kynar® Standard Colors Finish, Add	615.91	
08 91 19 00-0066	EA	36" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	1,576.64	134.34
		Note: Includes bird screen.		
		For Flange Frame, Add	130.80	
		For Clear Lacquer Finish, Add	261.59	
		For Baked Enamel Standard Colors, Add	392.39	
		For Anodized Finish, Add	523.18	
		For Kynar® Standard Colors Finish, Add	719.38	
08 91 19 00-0067	EA	36" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	1,740.72	145.83
		Note: Includes bird screen.		
		For Flange Frame, Add	144.91	
		For Clear Lacquer Finish, Add	289.81	
		For Baked Enamel Standard Colors, Add	434.72	
		For Anodized Finish, Add	579.62	
		For Kynar® Standard Colors Finish, Add	796.98	
08 91 19 00-0068	EA	36" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	1,881.69	154.67
		Note: Includes bird screen.		
		For Flange Frame, Add	157.24	
		For Clear Lacquer Finish, Add	314.47	
		For Baked Enamel Standard Colors, Add	471.71	
		For Anodized Finish, Add	628.94	
		For Kynar® Standard Colors Finish, Add	864.79	
08 91 19 00-0069	EA	36" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	2,070.91	167.92
		Note: Includes bird screen.		
		For Flange Frame, Add	173.51	
		For Clear Lacquer Finish, Add	347.01	
		For Baked Enamel Standard Colors, Add	520.52	
		For Anodized Finish, Add	694.02	
		For Kynar® Standard Colors Finish, Add	954.28	
08 91 19 00-0070	EA	36" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	2,215.62	181.18
		Note: Includes bird screen.		
		For Flange Frame, Add	185.33	
		For Clear Lacquer Finish, Add	370.65	
		For Baked Enamel Standard Colors, Add	555.98	
		For Anodized Finish, Add	741.30	
		For Kynar® Standard Colors Finish, Add	1,019.29	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0071	EA		36" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	2,441.71	194.44
			Note: Includes bird screen.		
			For Flange Frame, Add	205.28	
			For Clear Lacquer Finish, Add	410.57	
			For Baked Enamel Standard Colors, Add	615.85	
			For Anodized Finish, Add	821.13	
			For Kynar® Standard Colors Finish, Add	1,129.06	
08 91 19 00-0072	EA		36" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	2,592.79	207.70
			Note: Includes bird screen.		
			For Flange Frame, Add	217.74	
			For Clear Lacquer Finish, Add	435.48	
			For Baked Enamel Standard Colors, Add	653.22	
			For Anodized Finish, Add	870.96	
			For Kynar® Standard Colors Finish, Add	1,197.56	
08 91 19 00-0073	EA		36" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	2,754.10	216.54
			Note: Includes bird screen.		
			For Flange Frame, Add	232.10	
			For Clear Lacquer Finish, Add	464.21	
			For Baked Enamel Standard Colors, Add	696.31	
			For Anodized Finish, Add	928.41	
			For Kynar® Standard Colors Finish, Add	1,276.57	
08 91 19 00-0074	EA		36" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	2,921.77	225.38
			Note: Includes bird screen.		
			For Flange Frame, Add	247.10	
			For Clear Lacquer Finish, Add	494.20	
			For Baked Enamel Standard Colors, Add	741.31	
			For Anodized Finish, Add	988.41	
			For Kynar® Standard Colors Finish, Add	1,359.06	
08 91 19 00-0075	EA		36" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	3,067.77	238.63
			Note: Includes bird screen.		
			For Flange Frame, Add	259.05	
			For Clear Lacquer Finish, Add	518.10	
			For Baked Enamel Standard Colors, Add	777.15	
			For Anodized Finish, Add	1,036.20	
			For Kynar® Standard Colors Finish, Add	1,424.78	
08 91 19 00-0076	EA		36" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	3,292.57	251.89
			Note: Includes bird screen.		
			For Flange Frame, Add	278.88	
			For Clear Lacquer Finish, Add	557.76	
			For Baked Enamel Standard Colors, Add	836.64	
			For Anodized Finish, Add	1,115.52	
			For Kynar® Standard Colors Finish, Add	1,533.83	
08 91 19 00-0077	EA		42" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	903.89	83.97
			Note: Includes bird screen.		
			For Flange Frame, Add	73.60	
			For Clear Lacquer Finish, Add	147.19	
			For Baked Enamel Standard Colors, Add	220.79	
			For Anodized Finish, Add	294.39	
			For Kynar® Standard Colors Finish, Add	404.78	
08 91 19 00-0078	EA		42" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	1,109.52	106.06
			Note: Includes bird screen.		
			For Flange Frame, Add	89.74	
			For Clear Lacquer Finish, Add	179.48	
			For Baked Enamel Standard Colors, Add	269.22	
			For Anodized Finish, Add	358.96	
			For Kynar® Standard Colors Finish, Add	493.57	
08 91 19 00-0079	EA		42" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	1,284.75	119.31
			Note: Includes bird screen.		
			For Flange Frame, Add	104.61	
			For Clear Lacquer Finish, Add	209.22	
			For Baked Enamel Standard Colors, Add	313.84	
			For Anodized Finish, Add	418.45	
			For Kynar® Standard Colors Finish, Add	575.37	
08 91 19 00-0080	EA		42" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	1,501.87	136.99
			Note: Includes bird screen.		
			For Flange Frame, Add	122.79	
			For Clear Lacquer Finish, Add	245.58	
			For Baked Enamel Standard Colors, Add	368.36	
			For Anodized Finish, Add	491.15	
			For Kynar® Standard Colors Finish, Add	675.33	
08 91 19 00-0081	EA		42" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	1,728.01	145.83
			Note: Includes bird screen.		
			For Flange Frame, Add	143.63	
			For Clear Lacquer Finish, Add	287.27	
			For Baked Enamel Standard Colors, Add	430.90	
			For Anodized Finish, Add	574.54	
			For Kynar® Standard Colors Finish, Add	789.99	
08 91 19 00-0082	EA		42" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	1,909.65	154.67
			Note: Includes bird screen.		
			For Flange Frame, Add	160.03	
			For Clear Lacquer Finish, Add	320.06	
			For Baked Enamel Standard Colors, Add	480.09	
			For Anodized Finish, Add	640.12	
			For Kynar® Standard Colors Finish, Add	880.17	
08 91 19 00-0083	EA		42" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	2,067.16	163.50
			Note: Includes bird screen.		
			For Flange Frame, Add	174.01	
			For Clear Lacquer Finish, Add	348.03	
			For Baked Enamel Standard Colors, Add	522.04	
			For Anodized Finish, Add	696.06	
			For Kynar® Standard Colors Finish, Add	957.08	

08 Openings**08 90 Louvers and Vents****08 91 Louvers**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 91 19 00-0084	EA	42" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	2,256.37	176.76
		Note: Includes bird screen.		
		For Flange Frame, Add	190.28	
		For Clear Lacquer Finish, Add	380.57	
		For Baked Enamel Standard Colors, Add	570.85	
		For Anodized Finish, Add	761.14	
		For Kynar® Standard Colors Finish, Add	1,046.56	
08 91 19 00-0085	EA	42" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	2,418.88	190.02
		Note: Includes bird screen.		
		For Flange Frame, Add	203.88	
		For Clear Lacquer Finish, Add	407.77	
		For Baked Enamel Standard Colors, Add	611.65	
		For Anodized Finish, Add	815.54	
		For Kynar® Standard Colors Finish, Add	1,121.36	
08 91 19 00-0086	EA	42" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	2,669.12	203.28
		Note: Includes bird screen.		
		For Flange Frame, Add	226.26	
		For Clear Lacquer Finish, Add	452.51	
		For Baked Enamel Standard Colors, Add	678.77	
		For Anodized Finish, Add	905.02	
		For Kynar® Standard Colors Finish, Add	1,244.41	
08 91 19 00-0087	EA	42" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	2,831.64	216.54
		Note: Includes bird screen.		
		For Flange Frame, Add	239.86	
		For Clear Lacquer Finish, Add	479.71	
		For Baked Enamel Standard Colors, Add	719.57	
		For Anodized Finish, Add	959.43	
		For Kynar® Standard Colors Finish, Add	1,319.21	
08 91 19 00-0088	EA	42" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	3,013.29	225.38
		Note: Includes bird screen.		
		For Flange Frame, Add	256.25	
		For Clear Lacquer Finish, Add	512.51	
		For Baked Enamel Standard Colors, Add	768.76	
		For Anodized Finish, Add	1,025.02	
		For Kynar® Standard Colors Finish, Add	1,409.40	
08 91 19 00-0089	EA	42" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	3,196.21	234.21
		Note: Includes bird screen.		
		For Flange Frame, Add	272.78	
		For Clear Lacquer Finish, Add	545.56	
		For Baked Enamel Standard Colors, Add	818.33	
		For Anodized Finish, Add	1,091.11	
		For Kynar® Standard Colors Finish, Add	1,500.28	
08 91 19 00-0090	EA	42" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	3,367.63	247.47
		Note: Includes bird screen.		
		For Flange Frame, Add	287.27	
		For Clear Lacquer Finish, Add	574.54	
		For Baked Enamel Standard Colors, Add	861.81	
		For Anodized Finish, Add	1,149.08	
		For Kynar® Standard Colors Finish, Add	1,579.98	
08 91 19 00-0091	EA	42" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	3,608.96	260.73
		Note: Includes bird screen.		
		For Flange Frame, Add	308.75	
		For Clear Lacquer Finish, Add	617.50	
		For Baked Enamel Standard Colors, Add	926.25	
		For Anodized Finish, Add	1,235.00	
		For Kynar® Standard Colors Finish, Add	1,698.13	
08 91 19 00-0092	EA	48" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	988.94	92.81
		Note: Includes bird screen.		
		For Flange Frame, Add	80.33	
		For Clear Lacquer Finish, Add	160.67	
		For Baked Enamel Standard Colors, Add	241.00	
		For Anodized Finish, Add	321.34	
		For Kynar® Standard Colors Finish, Add	441.84	
08 91 19 00-0093	EA	48" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	1,212.35	114.89
		Note: Includes bird screen.		
		For Flange Frame, Add	98.26	
		For Clear Lacquer Finish, Add	196.51	
		For Baked Enamel Standard Colors, Add	294.77	
		For Anodized Finish, Add	393.02	
		For Kynar® Standard Colors Finish, Add	540.41	
08 91 19 00-0094	EA	48" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	1,419.31	132.57
		Note: Includes bird screen.		
		For Flange Frame, Add	115.42	
		For Clear Lacquer Finish, Add	230.83	
		For Baked Enamel Standard Colors, Add	346.25	
		For Anodized Finish, Add	461.66	
		For Kynar® Standard Colors Finish, Add	634.79	
08 91 19 00-0095	EA	48" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	1,631.41	145.83
		Note: Includes bird screen.		
		For Flange Frame, Add	133.97	
		For Clear Lacquer Finish, Add	267.95	
		For Baked Enamel Standard Colors, Add	401.92	
		For Anodized Finish, Add	535.90	
		For Kynar® Standard Colors Finish, Add	736.86	
08 91 19 00-0096	EA	48" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	1,889.32	154.67
		Note: Includes bird screen.		
		For Flange Frame, Add	158.00	
		For Clear Lacquer Finish, Add	316.00	
		For Baked Enamel Standard Colors, Add	473.99	
		For Anodized Finish, Add	631.99	
		For Kynar® Standard Colors Finish, Add	868.99	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0097	EA		48" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	2,098.93	163.50
			Note: Includes bird screen.		
			For Flange Frame, Add	177.19	
			For Clear Lacquer Finish, Add	354.38	
			For Baked Enamel Standard Colors, Add	531.57	
			For Anodized Finish, Add	708.76	
			For Kynar® Standard Colors Finish, Add	974.55	
08 91 19 00-0098	EA		48" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	2,274.16	176.76
			Note: Includes bird screen.		
			For Flange Frame, Add	192.06	
			For Clear Lacquer Finish, Add	384.13	
			For Baked Enamel Standard Colors, Add	576.19	
			For Anodized Finish, Add	768.25	
			For Kynar® Standard Colors Finish, Add	1,056.35	
08 91 19 00-0099	EA		48" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	2,547.27	190.02
			Note: Includes bird screen.		
			For Flange Frame, Add	216.72	
			For Clear Lacquer Finish, Add	433.45	
			For Baked Enamel Standard Colors, Add	650.17	
			For Anodized Finish, Add	866.89	
			For Kynar® Standard Colors Finish, Add	1,191.98	
08 91 19 00-0100	EA		48" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	2,669.12	203.28
			Note: Includes bird screen.		
			For Flange Frame, Add	226.26	
			For Clear Lacquer Finish, Add	452.51	
			For Baked Enamel Standard Colors, Add	678.77	
			For Anodized Finish, Add	905.02	
			For Kynar® Standard Colors Finish, Add	1,244.41	
08 91 19 00-0101	EA		48" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	2,935.87	216.54
			Note: Includes bird screen.		
			For Flange Frame, Add	250.28	
			For Clear Lacquer Finish, Add	500.56	
			For Baked Enamel Standard Colors, Add	750.84	
			For Anodized Finish, Add	1,001.12	
			For Kynar® Standard Colors Finish, Add	1,376.54	
08 91 19 00-0102	EA		48" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	3,122.54	229.79
			Note: Includes bird screen.		
			For Flange Frame, Add	266.30	
			For Clear Lacquer Finish, Add	532.59	
			For Baked Enamel Standard Colors, Add	798.89	
			For Anodized Finish, Add	1,065.18	
			For Kynar® Standard Colors Finish, Add	1,464.62	
08 91 19 00-0103	EA		48" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	3,324.53	238.63
			Note: Includes bird screen.		
			For Flange Frame, Add	284.73	
			For Clear Lacquer Finish, Add	569.45	
			For Baked Enamel Standard Colors, Add	854.18	
			For Anodized Finish, Add	1,138.90	
			For Kynar® Standard Colors Finish, Add	1,565.99	
08 91 19 00-0104	EA		48" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	3,526.51	247.47
			Note: Includes bird screen.		
			For Flange Frame, Add	303.16	
			For Clear Lacquer Finish, Add	606.31	
			For Baked Enamel Standard Colors, Add	909.47	
			For Anodized Finish, Add	1,212.63	
			For Kynar® Standard Colors Finish, Add	1,667.36	
08 91 19 00-0105	EA		48" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	3,695.45	256.31
			Note: Includes bird screen.		
			For Flange Frame, Add	318.28	
			For Clear Lacquer Finish, Add	636.57	
			For Baked Enamel Standard Colors, Add	954.85	
			For Anodized Finish, Add	1,273.13	
			For Kynar® Standard Colors Finish, Add	1,750.56	
08 91 19 00-0106	EA		48" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	3,972.38	269.57
			Note: Includes bird screen.		
			For Flange Frame, Add	343.32	
			For Clear Lacquer Finish, Add	686.65	
			For Baked Enamel Standard Colors, Add	1,029.97	
			For Anodized Finish, Add	1,373.30	
			For Kynar® Standard Colors Finish, Add	1,888.28	
08 91 19 00-0107	EA		54" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	1,096.81	106.06
			Note: Includes bird screen.		
			For Flange Frame, Add	88.47	
			For Clear Lacquer Finish, Add	176.94	
			For Baked Enamel Standard Colors, Add	265.41	
			For Anodized Finish, Add	353.88	
			For Kynar® Standard Colors Finish, Add	486.58	
08 91 19 00-0108	EA		54" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	1,345.64	128.15
			Note: Includes bird screen.		
			For Flange Frame, Add	108.93	
			For Clear Lacquer Finish, Add	217.87	
			For Baked Enamel Standard Colors, Add	326.80	
			For Anodized Finish, Add	435.73	
			For Kynar® Standard Colors Finish, Add	599.13	
08 91 19 00-0109	EA		54" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	1,575.41	150.25
			Note: Includes bird screen.		
			For Flange Frame, Add	127.49	
			For Clear Lacquer Finish, Add	254.98	
			For Baked Enamel Standard Colors, Add	382.47	
			For Anodized Finish, Add	509.96	
			For Kynar® Standard Colors Finish, Add	701.20	

08 Openings**08 90 Louvers and Vents****08 91 Louvers**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 91 19 00-0110	EA	54" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	1,800.28	159.09
		Note: Includes bird screen.		
		For Flange Frame, Add	148.21	
		For Clear Lacquer Finish, Add	296.42	
		For Baked Enamel Standard Colors, Add	444.63	
		For Anodized Finish, Add	592.84	
		For Kynar® Standard Colors Finish, Add	815.16	
08 91 19 00-0111	EA	54" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	2,107.77	167.92
		Note: Includes bird screen.		
		For Flange Frame, Add	177.19	
		For Clear Lacquer Finish, Add	354.38	
		For Baked Enamel Standard Colors, Add	531.57	
		For Anodized Finish, Add	708.76	
		For Kynar® Standard Colors Finish, Add	974.55	
08 91 19 00-0112	EA	54" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	2,322.46	176.76
		Note: Includes bird screen.		
		For Flange Frame, Add	196.89	
		For Clear Lacquer Finish, Add	393.79	
		For Baked Enamel Standard Colors, Add	590.68	
		For Anodized Finish, Add	787.57	
		For Kynar® Standard Colors Finish, Add	1,082.91	
08 91 19 00-0113	EA	54" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	2,526.93	190.02
		Note: Includes bird screen.		
		For Flange Frame, Add	214.69	
		For Clear Lacquer Finish, Add	429.38	
		For Baked Enamel Standard Colors, Add	644.07	
		For Anodized Finish, Add	858.76	
		For Kynar® Standard Colors Finish, Add	1,180.79	
08 91 19 00-0114	EA	54" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	2,824.19	203.28
		Note: Includes bird screen.		
		For Flange Frame, Add	241.76	
		For Clear Lacquer Finish, Add	483.53	
		For Baked Enamel Standard Colors, Add	725.29	
		For Anodized Finish, Add	967.05	
		For Kynar® Standard Colors Finish, Add	1,329.70	
08 91 19 00-0115	EA	54" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	3,035.01	216.54
		Note: Includes bird screen.		
		For Flange Frame, Add	260.19	
		For Clear Lacquer Finish, Add	520.39	
		For Baked Enamel Standard Colors, Add	780.58	
		For Anodized Finish, Add	1,040.78	
		For Kynar® Standard Colors Finish, Add	1,431.07	
08 91 19 00-0116	EA	54" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	3,346.26	229.79
		Note: Includes bird screen.		
		For Flange Frame, Add	288.67	
		For Clear Lacquer Finish, Add	577.33	
		For Baked Enamel Standard Colors, Add	866.00	
		For Anodized Finish, Add	1,154.67	
		For Kynar® Standard Colors Finish, Add	1,587.67	
08 91 19 00-0117	EA	54" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	3,546.98	238.63
		Note: Includes bird screen.		
		For Flange Frame, Add	306.97	
		For Clear Lacquer Finish, Add	613.94	
		For Baked Enamel Standard Colors, Add	920.91	
		For Anodized Finish, Add	1,227.88	
		For Kynar® Standard Colors Finish, Add	1,688.34	
08 91 19 00-0118	EA	54" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	3,775.65	247.47
		Note: Includes bird screen.		
		For Flange Frame, Add	328.07	
		For Clear Lacquer Finish, Add	656.14	
		For Baked Enamel Standard Colors, Add	984.21	
		For Anodized Finish, Add	1,312.28	
		For Kynar® Standard Colors Finish, Add	1,804.39	
08 91 19 00-0119	EA	54" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	3,995.43	256.31
		Note: Includes bird screen.		
		For Flange Frame, Add	348.28	
		For Clear Lacquer Finish, Add	696.56	
		For Baked Enamel Standard Colors, Add	1,044.84	
		For Anodized Finish, Add	1,393.12	
		For Kynar® Standard Colors Finish, Add	1,915.55	
08 91 19 00-0120	EA	54" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	4,178.36	265.15
		Note: Includes bird screen.		
		For Flange Frame, Add	364.81	
		For Clear Lacquer Finish, Add	729.61	
		For Baked Enamel Standard Colors, Add	1,094.42	
		For Anodized Finish, Add	1,459.22	
		For Kynar® Standard Colors Finish, Add	2,006.43	
08 91 19 00-0121	EA	54" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	4,499.76	278.41
		Note: Includes bird screen.		
		For Flange Frame, Add	394.30	
		For Clear Lacquer Finish, Add	788.59	
		For Baked Enamel Standard Colors, Add	1,182.89	
		For Anodized Finish, Add	1,577.18	
		For Kynar® Standard Colors Finish, Add	2,168.62	
08 91 19 00-0122	EA	60" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	1,179.30	114.89
		Note: Includes bird screen.		
		For Flange Frame, Add	94.95	
		For Clear Lacquer Finish, Add	189.90	
		For Baked Enamel Standard Colors, Add	284.85	
		For Anodized Finish, Add	379.80	
		For Kynar® Standard Colors Finish, Add	522.23	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0123	EA		60" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	1,454.78	141.41
			Note: Includes bird screen.		
			For Flange Frame, Add	117.20	
			For Clear Lacquer Finish, Add	234.39	
			For Baked Enamel Standard Colors, Add	351.59	
			For Anodized Finish, Add	468.78	
			For Kynar® Standard Colors Finish, Add	644.57	
08 91 19 00-0124	EA		60" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	1,688.43	159.09
			Note: Includes bird screen.		
			For Flange Frame, Add	137.03	
			For Clear Lacquer Finish, Add	274.05	
			For Baked Enamel Standard Colors, Add	411.08	
			For Anodized Finish, Add	548.10	
			For Kynar® Standard Colors Finish, Add	753.64	
08 91 19 00-0125	EA		60" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	1,947.61	167.92
			Note: Includes bird screen.		
			For Flange Frame, Add	161.18	
			For Clear Lacquer Finish, Add	322.35	
			For Baked Enamel Standard Colors, Add	483.53	
			For Anodized Finish, Add	644.70	
			For Kynar® Standard Colors Finish, Add	886.46	
08 91 19 00-0126	EA		60" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	2,270.28	181.18
			Note: Includes bird screen.		
			For Flange Frame, Add	190.79	
			For Clear Lacquer Finish, Add	381.58	
			For Baked Enamel Standard Colors, Add	572.38	
			For Anodized Finish, Add	763.17	
			For Kynar® Standard Colors Finish, Add	1,049.36	
08 91 19 00-0127	EA		60" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	2,510.40	190.02
			Note: Includes bird screen.		
			For Flange Frame, Add	213.04	
			For Clear Lacquer Finish, Add	426.07	
			For Baked Enamel Standard Colors, Add	639.11	
			For Anodized Finish, Add	852.14	
			For Kynar® Standard Colors Finish, Add	1,171.70	
08 91 19 00-0128	EA		60" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	2,723.78	203.28
			Note: Includes bird screen.		
			For Flange Frame, Add	231.72	
			For Clear Lacquer Finish, Add	463.44	
			For Baked Enamel Standard Colors, Add	695.17	
			For Anodized Finish, Add	926.89	
			For Kynar® Standard Colors Finish, Add	1,274.47	
08 91 19 00-0129	EA		60" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	3,041.37	216.54
			Note: Includes bird screen.		
			For Flange Frame, Add	260.83	
			For Clear Lacquer Finish, Add	521.66	
			For Baked Enamel Standard Colors, Add	782.49	
			For Anodized Finish, Add	1,043.32	
			For Kynar® Standard Colors Finish, Add	1,434.57	
08 91 19 00-0130	EA		60" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	3,267.45	229.79
			Note: Includes bird screen.		
			For Flange Frame, Add	280.79	
			For Clear Lacquer Finish, Add	561.57	
			For Baked Enamel Standard Colors, Add	842.36	
			For Anodized Finish, Add	1,123.14	
			For Kynar® Standard Colors Finish, Add	1,544.32	
08 91 19 00-0131	EA		60" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	3,604.12	243.05
			Note: Includes bird screen.		
			For Flange Frame, Add	311.80	
			For Clear Lacquer Finish, Add	623.60	
			For Baked Enamel Standard Colors, Add	935.40	
			For Anodized Finish, Add	1,247.20	
			For Kynar® Standard Colors Finish, Add	1,714.91	
08 91 19 00-0132	EA		60" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	3,817.54	251.89
			Note: Includes bird screen.		
			For Flange Frame, Add	331.38	
			For Clear Lacquer Finish, Add	662.75	
			For Baked Enamel Standard Colors, Add	994.13	
			For Anodized Finish, Add	1,325.50	
			For Kynar® Standard Colors Finish, Add	1,822.57	
08 91 19 00-0133	EA		60" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	4,060.20	260.73
			Note: Includes bird screen.		
			For Flange Frame, Add	353.87	
			For Clear Lacquer Finish, Add	707.75	
			For Baked Enamel Standard Colors, Add	1,061.62	
			For Anodized Finish, Add	1,415.50	
			For Kynar® Standard Colors Finish, Add	1,946.31	
08 91 19 00-0134	EA		60" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	4,297.78	269.57
			Note: Includes bird screen.		
			For Flange Frame, Add	375.86	
			For Clear Lacquer Finish, Add	751.73	
			For Baked Enamel Standard Colors, Add	1,127.59	
			For Anodized Finish, Add	1,503.46	
			For Kynar® Standard Colors Finish, Add	2,067.25	
08 91 19 00-0135	EA		60" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	4,499.76	278.41
			Note: Includes bird screen.		
			For Flange Frame, Add	394.30	
			For Clear Lacquer Finish, Add	788.59	
			For Baked Enamel Standard Colors, Add	1,182.89	
			For Anodized Finish, Add	1,577.18	
			For Kynar® Standard Colors Finish, Add	2,168.62	

08 Openings**08 90 Louvers and Vents****08 91 Louvers**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 91 19 00-0136	EA	60" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	4,833.94	287.25
		Note: Includes bird screen.		
		For Flange Frame, Add	425.95	
		For Clear Lacquer Finish, Add	851.89	
		For Baked Enamel Standard Colors, Add	1,277.84	
		For Anodized Finish, Add	1,703.78	
		For Kynar® Standard Colors Finish, Add	2,342.70	
08 91 19 00-0137	EA	66" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	1,355.87	123.73
		Note: Includes bird screen.		
		For Flange Frame, Add	110.84	
		For Clear Lacquer Finish, Add	221.68	
		For Baked Enamel Standard Colors, Add	332.52	
		For Anodized Finish, Add	443.36	
		For Kynar® Standard Colors Finish, Add	609.62	
08 91 19 00-0138	EA	66" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	1,675.83	150.25
		Note: Includes bird screen.		
		For Flange Frame, Add	137.53	
		For Clear Lacquer Finish, Add	275.07	
		For Baked Enamel Standard Colors, Add	412.60	
		For Anodized Finish, Add	550.13	
		For Kynar® Standard Colors Finish, Add	756.43	
08 91 19 00-0139	EA	66" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	1,953.84	176.76
		Note: Includes bird screen.		
		For Flange Frame, Add	160.03	
		For Clear Lacquer Finish, Add	320.06	
		For Baked Enamel Standard Colors, Add	480.09	
		For Anodized Finish, Add	640.12	
		For Kynar® Standard Colors Finish, Add	880.17	
08 91 19 00-0140	EA	66" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	2,235.90	185.60
		Note: Includes bird screen.		
		For Flange Frame, Add	186.47	
		For Clear Lacquer Finish, Add	372.94	
		For Baked Enamel Standard Colors, Add	559.41	
		For Anodized Finish, Add	745.88	
		For Kynar® Standard Colors Finish, Add	1,025.59	
08 91 19 00-0141	EA	66" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	2,609.49	194.44
		Note: Includes bird screen.		
		For Flange Frame, Add	222.06	
		For Clear Lacquer Finish, Add	444.12	
		For Baked Enamel Standard Colors, Add	666.18	
		For Anodized Finish, Add	888.24	
		For Kynar® Standard Colors Finish, Add	1,221.34	
08 91 19 00-0142	EA	66" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	3,125.22	203.28
		Note: Includes bird screen.		
		For Flange Frame, Add	246.47	
		For Clear Lacquer Finish, Add	492.93	
		For Baked Enamel Standard Colors, Add	739.40	
		For Anodized Finish, Add	985.86	
		For Kynar® Standard Colors Finish, Add	1,355.56	
08 91 19 00-0143	EA	66" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	3,125.26	216.54
		Note: Includes bird screen.		
		For Flange Frame, Add	269.22	
		For Clear Lacquer Finish, Add	538.44	
		For Baked Enamel Standard Colors, Add	807.66	
		For Anodized Finish, Add	1,076.88	
		For Kynar® Standard Colors Finish, Add	1,480.70	
08 91 19 00-0144	EA	66" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	3,422.52	229.79
		Note: Includes bird screen.		
		For Flange Frame, Add	296.29	
		For Clear Lacquer Finish, Add	592.59	
		For Baked Enamel Standard Colors, Add	888.88	
		For Anodized Finish, Add	1,185.17	
		For Kynar® Standard Colors Finish, Add	1,629.61	
08 91 19 00-0145	EA	66" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	3,675.30	243.05
		Note: Includes bird screen.		
		For Flange Frame, Add	318.92	
		For Clear Lacquer Finish, Add	637.84	
		For Baked Enamel Standard Colors, Add	956.76	
		For Anodized Finish, Add	1,275.68	
		For Kynar® Standard Colors Finish, Add	1,754.05	
08 91 19 00-0146	EA	66" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	4,062.74	260.73
		Note: Includes bird screen.		
		For Flange Frame, Add	354.13	
		For Clear Lacquer Finish, Add	708.26	
		For Baked Enamel Standard Colors, Add	1,062.38	
		For Anodized Finish, Add	1,416.51	
		For Kynar® Standard Colors Finish, Add	1,947.70	
08 91 19 00-0147	EA	66" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	4,306.62	273.99
		Note: Includes bird screen.		
		For Flange Frame, Add	375.86	
		For Clear Lacquer Finish, Add	751.73	
		For Baked Enamel Standard Colors, Add	1,127.59	
		For Anodized Finish, Add	1,503.46	
		For Kynar® Standard Colors Finish, Add	2,067.25	
08 91 19 00-0148	EA	66" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	4,563.25	282.83
		Note: Includes bird screen.		
		For Flange Frame, Add	399.76	
		For Clear Lacquer Finish, Add	799.52	
		For Baked Enamel Standard Colors, Add	1,199.28	
		For Anodized Finish, Add	1,599.04	
		For Kynar® Standard Colors Finish, Add	2,198.69	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0149	EA		66" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	4,824.98	291.67
			Note: Includes bird screen.		
			For Flange Frame, Add	424.17	
			For Clear Lacquer Finish, Add	848.33	
			For Baked Enamel Standard Colors, Add	1,272.50	
			For Anodized Finish, Add	1,696.66	
			For Kynar® Standard Colors Finish, Add	2,332.91	
08 91 19 00-0150	EA		66" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	5,052.39	300.50
			Note: Includes bird screen.		
			For Flange Frame, Add	445.14	
			For Clear Lacquer Finish, Add	890.28	
			For Baked Enamel Standard Colors, Add	1,335.42	
			For Anodized Finish, Add	1,780.56	
			For Kynar® Standard Colors Finish, Add	2,448.26	
08 91 19 00-0151	EA		66" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	5,424.71	309.34
			Note: Includes bird screen.		
			For Flange Frame, Add	480.60	
			For Clear Lacquer Finish, Add	961.21	
			For Baked Enamel Standard Colors, Add	1,441.81	
			For Anodized Finish, Add	1,922.41	
			For Kynar® Standard Colors Finish, Add	2,643.32	
08 91 19 00-0152	EA		72" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	1,432.02	132.57
			Note: Includes bird screen.		
			For Flange Frame, Add	116.69	
			For Clear Lacquer Finish, Add	233.37	
			For Baked Enamel Standard Colors, Add	350.06	
			For Anodized Finish, Add	466.75	
			For Kynar® Standard Colors Finish, Add	641.78	
08 91 19 00-0153	EA		72" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	1,767.23	159.09
			Note: Includes bird screen.		
			For Flange Frame, Add	144.91	
			For Clear Lacquer Finish, Add	289.81	
			For Baked Enamel Standard Colors, Add	434.72	
			For Anodized Finish, Add	579.62	
			For Kynar® Standard Colors Finish, Add	796.98	
08 91 19 00-0154	EA		72" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	2,059.22	185.60
			Note: Includes bird screen.		
			For Flange Frame, Add	168.80	
			For Clear Lacquer Finish, Add	337.60	
			For Baked Enamel Standard Colors, Add	506.41	
			For Anodized Finish, Add	675.21	
			For Kynar® Standard Colors Finish, Add	928.41	
08 91 19 00-0155	EA		72" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	2,366.65	198.86
			Note: Includes bird screen.		
			For Flange Frame, Add	196.89	
			For Clear Lacquer Finish, Add	393.79	
			For Baked Enamel Standard Colors, Add	590.68	
			For Anodized Finish, Add	787.57	
			For Kynar® Standard Colors Finish, Add	1,082.91	
08 91 19 00-0156	EA		72" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	2,766.94	207.70
			Note: Includes bird screen.		
			For Flange Frame, Add	235.15	
			For Clear Lacquer Finish, Add	470.31	
			For Baked Enamel Standard Colors, Add	705.46	
			For Anodized Finish, Add	940.62	
			For Kynar® Standard Colors Finish, Add	1,293.35	
08 91 19 00-0157	EA		72" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	3,042.64	216.54
			Note: Includes bird screen.		
			For Flange Frame, Add	260.96	
			For Clear Lacquer Finish, Add	521.91	
			For Baked Enamel Standard Colors, Add	782.87	
			For Anodized Finish, Add	1,043.83	
			For Kynar® Standard Colors Finish, Add	1,435.26	
08 91 19 00-0158	EA		72" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	3,313.21	229.79
			Note: Includes bird screen.		
			For Flange Frame, Add	285.36	
			For Clear Lacquer Finish, Add	570.72	
			For Baked Enamel Standard Colors, Add	856.09	
			For Anodized Finish, Add	1,141.45	
			For Kynar® Standard Colors Finish, Add	1,569.49	
08 91 19 00-0159	EA		72" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	3,618.16	238.63
			Note: Includes bird screen.		
			For Flange Frame, Add	314.09	
			For Clear Lacquer Finish, Add	628.18	
			For Baked Enamel Standard Colors, Add	942.27	
			For Anodized Finish, Add	1,256.36	
			For Kynar® Standard Colors Finish, Add	1,727.49	
08 91 19 00-0160	EA		72" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	3,882.36	251.89
			Note: Includes bird screen.		
			For Flange Frame, Add	337.86	
			For Clear Lacquer Finish, Add	675.72	
			For Baked Enamel Standard Colors, Add	1,013.57	
			For Anodized Finish, Add	1,351.43	
			For Kynar® Standard Colors Finish, Add	1,858.22	
08 91 19 00-0161	EA		72" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	4,306.62	273.99
			Note: Includes bird screen.		
			For Flange Frame, Add	375.86	
			For Clear Lacquer Finish, Add	751.73	
			For Baked Enamel Standard Colors, Add	1,127.59	
			For Anodized Finish, Add	1,503.46	
			For Kynar® Standard Colors Finish, Add	2,067.25	

08 Openings**08 90 Louvers and Vents****08 91 Louvers**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 91 19 00-0162	EA	72" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	4,574.63	287.25
		Note: Includes bird screen.		
		For Flange Frame, Add	400.02	
		For Clear Lacquer Finish, Add	800.03	
		For Baked Enamel Standard Colors, Add	1,200.05	
		For Anodized Finish, Add	1,600.06	
		For Kynar® Standard Colors Finish, Add	2,200.08	
08 91 19 00-0163	EA	72" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	4,838.91	296.08
		Note: Includes bird screen.		
		For Flange Frame, Add	424.68	
		For Clear Lacquer Finish, Add	849.35	
		For Baked Enamel Standard Colors, Add	1,274.03	
		For Anodized Finish, Add	1,698.70	
		For Kynar® Standard Colors Finish, Add	2,335.71	
08 91 19 00-0164	EA	72" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	5,106.99	304.92
		Note: Includes bird screen.		
		For Flange Frame, Add	449.72	
		For Clear Lacquer Finish, Add	899.43	
		For Baked Enamel Standard Colors, Add	1,349.15	
		For Anodized Finish, Add	1,798.86	
		For Kynar® Standard Colors Finish, Add	2,473.43	
08 91 19 00-0165	EA	72" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	5,358.54	313.76
		Note: Includes bird screen.		
		For Flange Frame, Add	473.10	
		For Clear Lacquer Finish, Add	946.21	
		For Baked Enamel Standard Colors, Add	1,419.31	
		For Anodized Finish, Add	1,892.41	
		For Kynar® Standard Colors Finish, Add	2,602.07	
08 91 19 00-0166	EA	72" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	5,755.01	322.60
		Note: Includes bird screen.		
		For Flange Frame, Add	510.98	
		For Clear Lacquer Finish, Add	1,021.96	
		For Baked Enamel Standard Colors, Add	1,532.95	
		For Anodized Finish, Add	2,043.93	
		For Kynar® Standard Colors Finish, Add	2,810.40	
08 91 19 00-0167	EA	78" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	1,523.42	141.41
		Note: Includes bird screen.		
		For Flange Frame, Add	124.06	
		For Clear Lacquer Finish, Add	248.12	
		For Baked Enamel Standard Colors, Add	372.18	
		For Anodized Finish, Add	496.24	
		For Kynar® Standard Colors Finish, Add	682.32	
08 91 19 00-0168	EA	78" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	1,867.54	167.92
		Note: Includes bird screen.		
		For Flange Frame, Add	153.17	
		For Clear Lacquer Finish, Add	306.34	
		For Baked Enamel Standard Colors, Add	459.50	
		For Anodized Finish, Add	612.67	
		For Kynar® Standard Colors Finish, Add	842.42	
08 91 19 00-0169	EA	78" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	2,165.88	194.44
		Note: Includes bird screen.		
		For Flange Frame, Add	177.70	
		For Clear Lacquer Finish, Add	355.40	
		For Baked Enamel Standard Colors, Add	533.10	
		For Anodized Finish, Add	710.80	
		For Kynar® Standard Colors Finish, Add	977.35	
08 91 19 00-0170	EA	78" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	2,493.65	207.70
		Note: Includes bird screen.		
		For Flange Frame, Add	207.83	
		For Clear Lacquer Finish, Add	415.65	
		For Baked Enamel Standard Colors, Add	623.48	
		For Anodized Finish, Add	831.30	
		For Kynar® Standard Colors Finish, Add	1,143.04	
08 91 19 00-0171	EA	78" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	2,916.80	216.54
		Note: Includes bird screen.		
		For Flange Frame, Add	248.37	
		For Clear Lacquer Finish, Add	496.75	
		For Baked Enamel Standard Colors, Add	745.12	
		For Anodized Finish, Add	993.49	
		For Kynar® Standard Colors Finish, Add	1,366.05	
08 91 19 00-0172	EA	78" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	3,203.95	225.38
		Note: Includes bird screen.		
		For Flange Frame, Add	275.32	
		For Clear Lacquer Finish, Add	550.64	
		For Baked Enamel Standard Colors, Add	825.96	
		For Anodized Finish, Add	1,101.28	
		For Kynar® Standard Colors Finish, Add	1,514.26	
08 91 19 00-0173	EA	78" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	3,493.59	238.63
		Note: Includes bird screen.		
		For Flange Frame, Add	301.63	
		For Clear Lacquer Finish, Add	603.26	
		For Baked Enamel Standard Colors, Add	904.90	
		For Anodized Finish, Add	1,206.53	
		For Kynar® Standard Colors Finish, Add	1,658.98	
08 91 19 00-0174	EA	78" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	3,816.32	247.47
		Note: Includes bird screen.		
		For Flange Frame, Add	332.14	
		For Clear Lacquer Finish, Add	664.28	
		For Baked Enamel Standard Colors, Add	996.41	
		For Anodized Finish, Add	1,328.55	
		For Kynar® Standard Colors Finish, Add	1,826.76	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0175	EA		78" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	4,099.61	260.73
			Note: Includes bird screen.		
			For Flange Frame, Add	357.82	
			For Clear Lacquer Finish, Add	715.63	
			For Baked Enamel Standard Colors, Add	1,073.45	
			For Anodized Finish, Add	1,431.26	
			For Kynar® Standard Colors Finish, Add	1,967.98	
08 91 19 00-0176	EA		78" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	4,550.54	282.83
			Note: Includes bird screen.		
			For Flange Frame, Add	398.49	
			For Clear Lacquer Finish, Add	796.98	
			For Baked Enamel Standard Colors, Add	1,195.47	
			For Anodized Finish, Add	1,593.96	
			For Kynar® Standard Colors Finish, Add	2,191.70	
08 91 19 00-0177	EA		78" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	4,831.28	296.08
			Note: Includes bird screen.		
			For Flange Frame, Add	423.91	
			For Clear Lacquer Finish, Add	847.82	
			For Baked Enamel Standard Colors, Add	1,271.74	
			For Anodized Finish, Add	1,695.65	
			For Kynar® Standard Colors Finish, Add	2,331.52	
08 91 19 00-0178	EA		78" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	5,124.73	309.34
			Note: Includes bird screen.		
			For Flange Frame, Add	450.61	
			For Clear Lacquer Finish, Add	901.21	
			For Baked Enamel Standard Colors, Add	1,351.82	
			For Anodized Finish, Add	1,802.42	
			For Kynar® Standard Colors Finish, Add	2,478.33	
08 91 19 00-0179	EA		78" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	5,392.81	318.18
			Note: Includes bird screen.		
			For Flange Frame, Add	475.65	
			For Clear Lacquer Finish, Add	951.29	
			For Baked Enamel Standard Colors, Add	1,426.94	
			For Anodized Finish, Add	1,902.58	
			For Kynar® Standard Colors Finish, Add	2,616.05	
08 91 19 00-0180	EA		78" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	5,660.89	327.02
			Note: Includes bird screen.		
			For Flange Frame, Add	500.69	
			For Clear Lacquer Finish, Add	1,001.37	
			For Baked Enamel Standard Colors, Add	1,502.06	
			For Anodized Finish, Add	2,002.74	
			For Kynar® Standard Colors Finish, Add	2,753.77	
08 91 19 00-0181	EA		78" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	6,082.78	335.86
			Note: Includes bird screen.		
			For Flange Frame, Add	541.11	
			For Clear Lacquer Finish, Add	1,082.21	
			For Baked Enamel Standard Colors, Add	1,623.32	
			For Anodized Finish, Add	2,164.43	
			For Kynar® Standard Colors Finish, Add	2,976.09	
08 91 19 00-0182	EA		84" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	1,598.29	150.25
			Note: Includes bird screen.		
			For Flange Frame, Add	129.78	
			For Clear Lacquer Finish, Add	259.56	
			For Baked Enamel Standard Colors, Add	389.34	
			For Anodized Finish, Add	519.12	
			For Kynar® Standard Colors Finish, Add	713.78	
08 91 19 00-0183	EA		84" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	1,956.39	176.76
			Note: Includes bird screen.		
			For Flange Frame, Add	160.29	
			For Clear Lacquer Finish, Add	320.57	
			For Baked Enamel Standard Colors, Add	480.86	
			For Anodized Finish, Add	641.14	
			For Kynar® Standard Colors Finish, Add	881.57	
08 91 19 00-0184	EA		84" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	2,285.25	203.28
			Note: Includes bird screen.		
			For Flange Frame, Add	187.87	
			For Clear Lacquer Finish, Add	375.74	
			For Baked Enamel Standard Colors, Add	563.61	
			For Anodized Finish, Add	751.48	
			For Kynar® Standard Colors Finish, Add	1,033.28	
08 91 19 00-0185	EA		84" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	2,623.18	216.54
			Note: Includes bird screen.		
			For Flange Frame, Add	219.01	
			For Clear Lacquer Finish, Add	438.02	
			For Baked Enamel Standard Colors, Add	657.03	
			For Anodized Finish, Add	876.04	
			For Kynar® Standard Colors Finish, Add	1,204.56	
08 91 19 00-0186	EA		84" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	3,073.03	225.38
			Note: Includes bird screen.		
			For Flange Frame, Add	262.23	
			For Clear Lacquer Finish, Add	524.46	
			For Baked Enamel Standard Colors, Add	786.68	
			For Anodized Finish, Add	1,048.91	
			For Kynar® Standard Colors Finish, Add	1,442.25	
08 91 19 00-0187	EA		84" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	3,376.71	234.21
			Note: Includes bird screen.		
			For Flange Frame, Add	290.83	
			For Clear Lacquer Finish, Add	581.66	
			For Baked Enamel Standard Colors, Add	872.48	
			For Anodized Finish, Add	1,163.31	
			For Kynar® Standard Colors Finish, Add	1,599.55	

08 Openings**08 90 Louvers and Vents****08 91 Louvers**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 91 19 00-0188	EA	84" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	3,672.69	247.47
		Note: Includes bird screen.		
		For Flange Frame, Add	317.78	
		For Clear Lacquer Finish, Add	635.55	
		For Baked Enamel Standard Colors, Add	953.33	
		For Anodized Finish, Add	1,271.10	
		For Kynar® Standard Colors Finish, Add	1,747.76	
08 91 19 00-0189	EA	84" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	4,020.86	256.31
		Note: Includes bird screen.		
		For Flange Frame, Add	350.82	
		For Clear Lacquer Finish, Add	701.65	
		For Baked Enamel Standard Colors, Add	1,052.47	
		For Anodized Finish, Add	1,403.30	
		For Kynar® Standard Colors Finish, Add	1,929.53	
08 91 19 00-0190	EA	84" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	4,318.12	269.57
		Note: Includes bird screen.		
		For Flange Frame, Add	377.90	
		For Clear Lacquer Finish, Add	755.80	
		For Baked Enamel Standard Colors, Add	1,133.69	
		For Anodized Finish, Add	1,511.59	
		For Kynar® Standard Colors Finish, Add	2,078.44	
08 91 19 00-0191	EA	84" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	4,795.75	291.67
		Note: Includes bird screen.		
		For Flange Frame, Add	421.24	
		For Clear Lacquer Finish, Add	842.49	
		For Baked Enamel Standard Colors, Add	1,263.73	
		For Anodized Finish, Add	1,684.97	
		For Kynar® Standard Colors Finish, Add	2,316.84	
08 91 19 00-0192	EA	84" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	5,086.65	304.92
		Note: Includes bird screen.		
		For Flange Frame, Add	447.68	
		For Clear Lacquer Finish, Add	895.36	
		For Baked Enamel Standard Colors, Add	1,343.04	
		For Anodized Finish, Add	1,790.72	
		For Kynar® Standard Colors Finish, Add	2,462.25	
08 91 19 00-0193	EA	84" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	5,405.52	318.18
		Note: Includes bird screen.		
		For Flange Frame, Add	476.92	
		For Clear Lacquer Finish, Add	953.83	
		For Baked Enamel Standard Colors, Add	1,430.75	
		For Anodized Finish, Add	1,907.67	
		For Kynar® Standard Colors Finish, Add	2,623.04	
08 91 19 00-0194	EA	84" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	5,744.79	327.02
		Note: Includes bird screen.		
		For Flange Frame, Add	509.08	
		For Clear Lacquer Finish, Add	1,018.15	
		For Baked Enamel Standard Colors, Add	1,527.23	
		For Anodized Finish, Add	2,036.30	
		For Kynar® Standard Colors Finish, Add	2,799.92	
08 91 19 00-0195	EA	84" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	6,051.01	335.86
		Note: Includes bird screen.		
		For Flange Frame, Add	537.93	
		For Clear Lacquer Finish, Add	1,075.86	
		For Baked Enamel Standard Colors, Add	1,613.79	
		For Anodized Finish, Add	2,151.72	
		For Kynar® Standard Colors Finish, Add	2,958.62	
08 91 19 00-0196	EA	84" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	6,504.66	344.69
		Note: Includes bird screen.		
		For Flange Frame, Add	581.53	
		For Clear Lacquer Finish, Add	1,163.06	
		For Baked Enamel Standard Colors, Add	1,744.58	
		For Anodized Finish, Add	2,326.11	
		For Kynar® Standard Colors Finish, Add	3,198.40	
08 91 19 00-0197	EA	90" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	1,697.27	163.50
		Note: Includes bird screen.		
		For Flange Frame, Add	137.03	
		For Clear Lacquer Finish, Add	274.05	
		For Baked Enamel Standard Colors, Add	411.08	
		For Anodized Finish, Add	548.10	
		For Kynar® Standard Colors Finish, Add	753.64	
08 91 19 00-0198	EA	90" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	2,060.43	190.02
		Note: Includes bird screen.		
		For Flange Frame, Add	168.04	
		For Clear Lacquer Finish, Add	336.08	
		For Baked Enamel Standard Colors, Add	504.12	
		For Anodized Finish, Add	672.16	
		For Kynar® Standard Colors Finish, Add	924.21	
08 91 19 00-0199	EA	90" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	2,402.00	216.54
		Note: Includes bird screen.		
		For Flange Frame, Add	196.89	
		For Clear Lacquer Finish, Add	393.79	
		For Baked Enamel Standard Colors, Add	590.68	
		For Anodized Finish, Add	787.57	
		For Kynar® Standard Colors Finish, Add	1,082.91	
08 91 19 00-0200	EA	90" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	2,750.11	229.79
		Note: Includes bird screen.		
		For Flange Frame, Add	229.05	
		For Clear Lacquer Finish, Add	458.10	
		For Baked Enamel Standard Colors, Add	687.16	
		For Anodized Finish, Add	916.21	
		For Kynar® Standard Colors Finish, Add	1,259.79	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0201	EA		90" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	3,230.47	238.63
			Note: Includes bird screen.		
			For Flange Frame, Add	275.32	
			For Clear Lacquer Finish, Add	550.64	
			For Baked Enamel Standard Colors, Add	825.96	
			For Anodized Finish, Add	1,101.28	
			For Kynar® Standard Colors Finish, Add	1,514.26	
08 91 19 00-0202	EA		90" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	3,544.31	247.47
			Note: Includes bird screen.		
			For Flange Frame, Add	304.94	
			For Clear Lacquer Finish, Add	609.87	
			For Baked Enamel Standard Colors, Add	914.81	
			For Anodized Finish, Add	1,219.75	
			For Kynar® Standard Colors Finish, Add	1,677.15	
08 91 19 00-0203	EA		90" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	3,844.17	256.31
			Note: Includes bird screen.		
			For Flange Frame, Add	333.16	
			For Clear Lacquer Finish, Add	666.31	
			For Baked Enamel Standard Colors, Add	999.47	
			For Anodized Finish, Add	1,332.62	
			For Kynar® Standard Colors Finish, Add	1,832.35	
08 91 19 00-0204	EA		90" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	4,211.41	265.15
			Note: Includes bird screen.		
			For Flange Frame, Add	368.11	
			For Clear Lacquer Finish, Add	736.22	
			For Baked Enamel Standard Colors, Add	1,104.33	
			For Anodized Finish, Add	1,472.44	
			For Kynar® Standard Colors Finish, Add	2,024.61	
08 91 19 00-0205	EA		90" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	4,523.91	278.41
			Note: Includes bird screen.		
			For Flange Frame, Add	396.71	
			For Clear Lacquer Finish, Add	793.42	
			For Baked Enamel Standard Colors, Add	1,190.13	
			For Anodized Finish, Add	1,586.84	
			For Kynar® Standard Colors Finish, Add	2,181.91	
08 91 19 00-0206	EA		90" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	5,028.24	300.50
			Note: Includes bird screen.		
			For Flange Frame, Add	442.72	
			For Clear Lacquer Finish, Add	885.45	
			For Baked Enamel Standard Colors, Add	1,328.17	
			For Anodized Finish, Add	1,770.90	
			For Kynar® Standard Colors Finish, Add	2,434.98	
08 91 19 00-0207	EA		90" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	5,331.85	313.76
			Note: Includes bird screen.		
			For Flange Frame, Add	470.43	
			For Clear Lacquer Finish, Add	940.87	
			For Baked Enamel Standard Colors, Add	1,411.30	
			For Anodized Finish, Add	1,881.74	
			For Kynar® Standard Colors Finish, Add	2,587.39	
08 91 19 00-0208	EA		90" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	5,678.69	327.02
			Note: Includes bird screen.		
			For Flange Frame, Add	502.47	
			For Clear Lacquer Finish, Add	1,004.93	
			For Baked Enamel Standard Colors, Add	1,507.40	
			For Anodized Finish, Add	2,009.86	
			For Kynar® Standard Colors Finish, Add	2,763.56	
08 91 19 00-0209	EA		90" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	6,038.29	335.86
			Note: Includes bird screen.		
			For Flange Frame, Add	536.66	
			For Clear Lacquer Finish, Add	1,073.32	
			For Baked Enamel Standard Colors, Add	1,609.97	
			For Anodized Finish, Add	2,146.63	
			For Kynar® Standard Colors Finish, Add	2,951.62	
08 91 19 00-0210	EA		90" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	6,345.72	349.11
			Note: Includes bird screen.		
			For Flange Frame, Add	564.75	
			For Clear Lacquer Finish, Add	1,129.50	
			For Baked Enamel Standard Colors, Add	1,694.25	
			For Anodized Finish, Add	2,259.00	
			For Kynar® Standard Colors Finish, Add	3,106.13	
08 91 19 00-0211	EA		90" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	6,826.08	357.95
			Note: Includes bird screen.		
			For Flange Frame, Add	611.02	
			For Clear Lacquer Finish, Add	1,222.04	
			For Baked Enamel Standard Colors, Add	1,833.05	
			For Anodized Finish, Add	2,444.07	
			For Kynar® Standard Colors Finish, Add	3,360.60	
08 91 19 00-0212	EA		96" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	1,783.52	176.76
			Note: Includes bird screen.		
			For Flange Frame, Add	143.00	
			For Clear Lacquer Finish, Add	286.00	
			For Baked Enamel Standard Colors, Add	429.00	
			For Anodized Finish, Add	572.00	
			For Kynar® Standard Colors Finish, Add	786.49	
08 91 19 00-0213	EA		96" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	2,159.41	203.28
			Note: Includes bird screen.		
			For Flange Frame, Add	175.29	
			For Clear Lacquer Finish, Add	350.57	
			For Baked Enamel Standard Colors, Add	525.86	
			For Anodized Finish, Add	701.14	
			For Kynar® Standard Colors Finish, Add	964.07	

08 Openings**08 90 Louvers and Vents****08 91 Louvers**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 91 19 00-0214	EA	96" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	2,517.50	229.79
		Note: Includes bird screen.		
		For Flange Frame, Add	205.79	
		For Clear Lacquer Finish, Add	411.58	
		For Baked Enamel Standard Colors, Add	617.37	
		For Anodized Finish, Add	823.16	
		For Kynar® Standard Colors Finish, Add	1,131.85	
08 91 19 00-0215	EA	96" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	2,884.68	243.05
		Note: Includes bird screen.		
		For Flange Frame, Add	239.86	
		For Clear Lacquer Finish, Add	479.71	
		For Baked Enamel Standard Colors, Add	719.57	
		For Anodized Finish, Add	959.43	
		For Kynar® Standard Colors Finish, Add	1,319.21	
08 91 19 00-0216	EA	96" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	3,380.28	251.89
		Note: Includes bird screen.		
		For Flange Frame, Add	287.65	
		For Clear Lacquer Finish, Add	575.30	
		For Baked Enamel Standard Colors, Add	862.95	
		For Anodized Finish, Add	1,150.60	
		For Kynar® Standard Colors Finish, Add	1,582.08	
08 91 19 00-0217	EA	96" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	3,746.24	260.73
		Note: Includes bird screen.		
		For Flange Frame, Add	322.48	
		For Clear Lacquer Finish, Add	644.96	
		For Baked Enamel Standard Colors, Add	967.43	
		For Anodized Finish, Add	1,289.91	
		For Kynar® Standard Colors Finish, Add	1,773.63	
08 91 19 00-0218	EA	96" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	4,065.17	269.57
		Note: Includes bird screen.		
		For Flange Frame, Add	352.60	
		For Clear Lacquer Finish, Add	705.21	
		For Baked Enamel Standard Colors, Add	1,057.81	
		For Anodized Finish, Add	1,410.41	
		For Kynar® Standard Colors Finish, Add	1,939.32	
08 91 19 00-0219	EA	96" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	4,414.60	278.41
		Note: Includes bird screen.		
		For Flange Frame, Add	385.78	
		For Clear Lacquer Finish, Add	771.56	
		For Baked Enamel Standard Colors, Add	1,157.34	
		For Anodized Finish, Add	1,543.12	
		For Kynar® Standard Colors Finish, Add	2,121.78	
08 91 19 00-0220	EA	96" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	4,738.60	287.25
		Note: Includes bird screen.		
		For Flange Frame, Add	416.41	
		For Clear Lacquer Finish, Add	832.82	
		For Baked Enamel Standard Colors, Add	1,249.24	
		For Anodized Finish, Add	1,665.65	
		For Kynar® Standard Colors Finish, Add	2,290.27	
08 91 19 00-0221	EA	96" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	5,279.80	309.34
		Note: Includes bird screen.		
		For Flange Frame, Add	466.11	
		For Clear Lacquer Finish, Add	932.22	
		For Baked Enamel Standard Colors, Add	1,398.34	
		For Anodized Finish, Add	1,864.45	
		For Kynar® Standard Colors Finish, Add	2,563.62	
08 91 19 00-0222	EA	96" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	4,225.88	322.60
		Note: Includes bird screen.		
		For Flange Frame, Add	358.07	
		For Clear Lacquer Finish, Add	716.14	
		For Baked Enamel Standard Colors, Add	1,074.21	
		For Anodized Finish, Add	1,432.28	
		For Kynar® Standard Colors Finish, Add	1,969.38	
08 91 19 00-0223	EA	96" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	5,948.05	335.86
		Note: Includes bird screen.		
		For Flange Frame, Add	527.63	
		For Clear Lacquer Finish, Add	1,055.27	
		For Baked Enamel Standard Colors, Add	1,582.90	
		For Anodized Finish, Add	2,110.54	
		For Kynar® Standard Colors Finish, Add	2,901.99	
08 91 19 00-0224	EA	96" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	6,320.35	344.69
		Note: Includes bird screen.		
		For Flange Frame, Add	563.10	
		For Clear Lacquer Finish, Add	1,126.19	
		For Baked Enamel Standard Colors, Add	1,689.29	
		For Anodized Finish, Add	2,252.39	
		For Kynar® Standard Colors Finish, Add	3,097.03	
08 91 19 00-0225	EA	96" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	6,643.04	357.95
		Note: Includes bird screen.		
		For Flange Frame, Add	592.71	
		For Clear Lacquer Finish, Add	1,185.43	
		For Baked Enamel Standard Colors, Add	1,778.14	
		For Anodized Finish, Add	2,370.86	
		For Kynar® Standard Colors Finish, Add	3,259.93	
08 91 19 00-0226	EA	96" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	7,161.48	371.20
		Note: Includes bird screen.		
		For Flange Frame, Add	641.91	
		For Clear Lacquer Finish, Add	1,283.81	
		For Baked Enamel Standard Colors, Add	1,925.72	
		For Anodized Finish, Add	2,567.62	
		For Kynar® Standard Colors Finish, Add	3,530.48	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 91 19 00-0227	Gable Louver Vents (08 91 19) Note: 1" deep, residential/light commercial grade louvers.	
08 91 19 00-0228	Aluminum Gable Louver Vents (08 91 19 00-0227) Note: Includes screen.	
08 91 19 00-0229	Rectangular Aluminum Gable Louver Vents (08 91 19 00-0228) Note: Includes screen.	
08 91 19 00-0230	EA 12" x 18" Rectangular Fixed Aluminum Gable Louver Vent.....	179.57 12.21
08 91 19 00-0231	EA 12" x 24" Rectangular Fixed Aluminum Gable Louver Vent.....	197.24 14.02
08 91 19 00-0232	EA 18" x 24" Rectangular Fixed Aluminum Gable Louver Vent.....	227.15 15.83
08 91 19 00-0233	EA 18" x 30" Rectangular Fixed Aluminum Gable Louver Vent.....	248.47 16.82
08 91 19 00-0234	EA 24" x 30" Rectangular Fixed Aluminum Gable Louver Vent.....	282.02 17.81
08 91 19 00-0235	EA 24" x 36" Rectangular Fixed Aluminum Gable Louver Vent.....	317.18 21.37
08 91 19 00-0236	EA 30" x 36" Rectangular Fixed Aluminum Gable Louver Vent.....	369.92 26.71
08 91 19 00-0237	EA 30" x 42" Rectangular Fixed Aluminum Gable Louver Vent.....	413.89 31.17
08 91 19 00-0238	EA 36" x 42" Rectangular Fixed Aluminum Gable Louver Vent.....	475.42 37.40
08 91 19 00-0239	EA 42" x 48" Rectangular Fixed Aluminum Gable Louver Vent.....	598.48 49.86
08 91 19 00-0240	Square Aluminum Gable Louver Vents (08 91 19 00-0228) Note: Includes screen.	
08 91 19 00-0241	EA 12" x 12" Square Fixed Aluminum Gable Louver Vent	164.45 11.24
08 91 19 00-0242	EA 18" x 18" Square Fixed Aluminum Gable Louver Vent	204.03 14.25
08 91 19 00-0243	EA 24" x 24" Square Fixed Aluminum Gable Louver Vent	254.57 16.81
08 91 19 00-0244	EA 30" x 30" Square Fixed Aluminum Gable Louver Vent	325.97 22.26
08 91 19 00-0245	EA 36" x 36" Square Fixed Aluminum Gable Louver Vent	422.67 32.06
08 91 19 00-0246	EA 42" x 42" Square Fixed Aluminum Gable Louver Vent	536.85 43.60
08 91 19 00-0247	EA 48" x 48" Square Fixed Aluminum Gable Louver Vent	668.81 56.98
08 91 19 00-0248	Round Aluminum Gable Louver Vents (08 91 19 00-0228) Note: Includes screen.	
08 91 19 00-0249	EA 12" Diameter Round Fixed Aluminum Gable Louver Vent.....	164.45 11.24
08 91 19 00-0250	EA 18" Diameter Round Fixed Aluminum Gable Louver Vent.....	204.03 14.25
08 91 19 00-0251	EA 24" Diameter Round Fixed Aluminum Gable Louver Vent.....	254.57 16.81
08 91 19 00-0252	EA 30" Diameter Round Fixed Aluminum Gable Louver Vent.....	325.97 22.26
08 91 19 00-0253	EA 36" Diameter Round Fixed Aluminum Gable Louver Vent.....	422.67 32.06
08 91 19 00-0254	EA 42" Diameter Round Fixed Aluminum Gable Louver Vent.....	536.95 43.63
08 91 19 00-0255	Octagonal Aluminum Gable Louver Vents (08 91 19 00-0228) Note: Includes screen.	
08 91 19 00-0256	EA 12" x 12" Octagonal Fixed Aluminum Gable Louver Vent.....	164.45 11.24
08 91 19 00-0257	EA 12" x 18" Octagonal Fixed Aluminum Gable Louver Vent.....	179.57 12.21
08 91 19 00-0258	EA 12" x 24" Octagonal Fixed Aluminum Gable Louver Vent.....	197.24 14.02
08 91 19 00-0259	EA 18" x 18" Octagonal Fixed Aluminum Gable Louver Vent.....	204.03 14.25
08 91 19 00-0260	EA 18" x 24" Octagonal Fixed Aluminum Gable Louver Vent.....	227.15 15.83
08 91 19 00-0261	EA 18" x 30" Octagonal Fixed Aluminum Gable Louver Vent.....	248.47 16.82
08 91 19 00-0262	EA 24" x 24" Octagonal Fixed Aluminum Gable Louver Vent.....	254.57 16.81
08 91 19 00-0263	EA 24" x 30" Octagonal Fixed Aluminum Gable Louver Vent.....	282.02 17.81
08 91 19 00-0264	EA 24" x 36" Octagonal Fixed Aluminum Gable Louver Vent.....	317.18 21.37
08 91 19 00-0265	EA 30" x 30" Octagonal Fixed Aluminum Gable Louver Vent.....	325.97 22.26
08 91 19 00-0266	EA 30" x 36" Octagonal Fixed Aluminum Gable Louver Vent.....	369.92 26.71
08 91 19 00-0267	EA 30" x 42" Octagonal Fixed Aluminum Gable Louver Vent.....	413.89 31.17
08 91 19 00-0268	EA 36" x 36" Octagonal Fixed Aluminum Gable Louver Vent.....	422.67 32.06
08 91 19 00-0269	EA 36" x 42" Octagonal Fixed Aluminum Gable Louver Vent.....	475.42 37.40
08 91 19 00-0270	EA 36" x 48" Octagonal Fixed Aluminum Gable Louver Vent.....	528.16 42.74
08 91 19 00-0271	EA 42" x 42" Octagonal Fixed Aluminum Gable Louver Vent.....	536.95 43.63
08 91 19 00-0272	EA 42" x 48" Octagonal Fixed Aluminum Gable Louver Vent.....	598.48 49.86
08 91 19 00-0273	EA 48" x 48" Octagonal Fixed Aluminum Gable Louver Vent.....	668.81 56.98
08 91 19 00-0274	Round Top Aluminum Gable Louver Vents (08 91 19 00-0228) Note: Includes screen.	
08 91 19 00-0275	EA 12" x 12" Round Top Fixed Aluminum Gable Louver Vent	164.45 11.24
08 91 19 00-0276	EA 12" x 18" Round Top Fixed Aluminum Gable Louver Vent	179.57 12.21
08 91 19 00-0277	EA 12" x 24" Round Top Fixed Aluminum Gable Louver Vent	197.24 14.02
08 91 19 00-0278	EA 18" x 18" Round Top Fixed Aluminum Gable Louver Vent	204.03 14.25
08 91 19 00-0279	EA 18" x 24" Round Top Fixed Aluminum Gable Louver Vent	227.15 15.83
08 91 19 00-0280	EA 18" x 30" Round Top Fixed Aluminum Gable Louver Vent	248.47 16.82
08 91 19 00-0281	EA 24" x 24" Round Top Fixed Aluminum Gable Louver Vent	254.57 16.81
08 91 19 00-0282	EA 24" x 30" Round Top Fixed Aluminum Gable Louver Vent	282.02 17.81
08 91 19 00-0283	EA 24" x 36" Round Top Fixed Aluminum Gable Louver Vent	317.18 21.37
08 91 19 00-0284	EA 30" x 30" Round Top Fixed Aluminum Gable Louver Vent	325.97 22.26
08 91 19 00-0285	EA 30" x 36" Round Top Fixed Aluminum Gable Louver Vent	369.92 26.71
08 91 19 00-0286	EA 30" x 42" Round Top Fixed Aluminum Gable Louver Vent	413.89 31.17
08 91 19 00-0287	EA 36" x 36" Round Top Fixed Aluminum Gable Louver Vent	422.67 32.06
08 91 19 00-0288	EA 36" x 42" Round Top Fixed Aluminum Gable Louver Vent	475.42 37.40
08 91 19 00-0289	EA 36" x 48" Round Top Fixed Aluminum Gable Louver Vent	528.16 42.74
08 91 19 00-0290	EA 42" x 42" Round Top Fixed Aluminum Gable Louver Vent	536.95 43.63
08 91 19 00-0291	EA 42" x 48" Round Top Fixed Aluminum Gable Louver Vent	598.48 49.86
08 91 19 00-0292	EA 48" x 48" Round Top Fixed Aluminum Gable Louver Vent	668.81 56.98

08 Openings**08 90 Louvers and Vents****08 91 Louvers**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
08 91 19 00-0293 Triangle Aluminum Gable Louver Vents (08 91 19 00-0228)

Note: Includes screen.

08 91 19 00-0294	EA	36" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent.....	331.81	14.02
08 91 19 00-0295	EA	36" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent.....	376.92	16.81
08 91 19 00-0296	EA	48" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent.....	404.36	17.81
08 91 19 00-0297	EA	48" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent.....	463.99	21.37
08 91 19 00-0298	EA	48" Base x 42" High Triangle Fixed Aluminum Gable Louver Vent.....	515.60	22.26
08 91 19 00-0299	EA	60" Base x 24" High Triangle Fixed Aluminum Gable Louver Vent.....	431.09	26.71
08 91 19 00-0300	EA	60" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent.....	505.65	31.17
08 91 19 00-0301	EA	60" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent.....	569.48	32.06
08 91 19 00-0302	EA	60" Base x 42" High Triangle Fixed Aluminum Gable Louver Vent.....	646.70	37.40
08 91 19 00-0303	EA	72" Base x 24" High Triangle Fixed Aluminum Gable Louver Vent.....	528.16	42.74
08 91 19 00-0304	EA	72" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent.....	604.24	43.63
08 91 19 00-0305	EA	72" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent.....	696.35	49.86
08 91 19 00-0306	EA	72" Base x 42" High Triangle Fixed Aluminum Gable Louver Vent.....	791.15	56.98
08 91 19 00-0307	EA	72" Base x 48" High Triangle Fixed Aluminum Gable Louver Vent.....	890.06	65.48

08 91 19 00-0308 Vinyl Gable Louver Vents (08 91 19 00-0227)

Note: Includes screen.

08 91 19 00-0309	EA	12" x 12" Square Fixed Vinyl Gable Louver Vent.....	75.50	11.24
08 91 19 00-0310	EA	12" x 18" Rectangular Fixed Vinyl Gable Louver Vent.....	90.95	12.21
08 91 19 00-0311	EA	18" x 24" Rectangular Fixed Vinyl Gable Louver Vent.....	123.92	15.83
08 91 19 00-0312	EA	24" x 30" Rectangular Fixed Vinyl Gable Louver Vent.....	168.90	17.81
08 91 19 00-0313	EA	18" Diameter Round Fixed Vinyl Gable Louver Vent.....	119.74	14.25
08 91 19 00-0314	EA	22" Diameter Round Fixed Vinyl Gable Louver Vent.....	138.45	16.81
08 91 19 00-0315	EA	30" Diameter Round Fixed Vinyl Gable Louver Vent.....	194.90	22.26
08 91 19 00-0316	EA	36" Diameter Round Fixed Vinyl Gable Louver Vent.....	284.74	32.06
08 91 19 00-0317	EA	18" x 18" Octagonal Fixed Vinyl Gable Louver Vent.....	119.74	14.25
08 91 19 00-0318	EA	22" x 22" Octagonal Fixed Vinyl Gable Louver Vent.....	135.49	15.83
08 91 19 00-0319	EA	27" x 27" Octagonal Fixed Vinyl Gable Louver Vent.....	174.24	17.81
08 91 19 00-0320	EA	32" x 32" Octagonal Fixed Vinyl Gable Louver Vent.....	247.74	26.71
08 91 19 00-0321	EA	40" x 40" Octagonal Fixed Vinyl Gable Louver Vent.....	584.34	42.74
08 91 19 00-0322	EA	14" x 22" Round Top Fixed Vinyl Gable Louver Vent.....	117.37	14.02
08 91 19 00-0323	EA	22" x 32" Round Top Fixed Vinyl Gable Louver Vent.....	163.19	17.81
08 91 19 00-0324	EA	34" x 22" Half Round Fixed Vinyl Gable Louver Vent.....	169.72	21.37
08 91 19 00-0325	EA	52" Base x 26" High Triangle Fixed Vinyl Gable Louver Vent.....	384.65	26.71
08 91 19 00-0326	EA	56" Base x 23" High Triangle Fixed Vinyl Gable Louver Vent.....	384.65	26.71
08 91 19 00-0327	EA	56" Base x 26" High Triangle Fixed Vinyl Gable Louver Vent.....	384.65	26.71
08 91 19 00-0328	EA	62" Base x 23" High Triangle Fixed Vinyl Gable Louver Vent.....	384.65	26.71
08 91 19 00-0329	EA	62-1/2" Base x 21" High Triangle Fixed Vinyl Gable Louver Vent.....	384.65	26.71
08 91 19 00-0330	EA	70-1/2" Base x 17" High Triangle Fixed Vinyl Gable Louver Vent.....	432.78	42.74
08 91 19 00-0331	EA	70-1/2" Base x 20-1/2" High Triangle Fixed Vinyl Gable Louver Vent.....	432.78	42.74
08 91 19 00-0332	EA	72-1/2" Base x 18" High Triangle Fixed Vinyl Gable Louver Vent.....	432.78	42.74
08 91 19 00-0333	EA	74" Base x 14-1/2" High Triangle Fixed Vinyl Gable Louver Vent.....	432.78	42.74

08 95 Vents (08 90)**08 95 13 Soffit Vents** (08 95)**08 95 13 00-0001 Aluminum Soffit Vents** (08 95 13)

08 95 13 00-0002	LF	2-1/2" Wide Aluminum Soffit Vent.....	10.84	4.07
08 95 13 00-0003	LF	3" Wide Aluminum Soffit Vent.....	19.79	7.96
08 95 13 00-0004	EA	4" x 16" Under Eave Vent, Mill Finish	31.39	10.61
08 95 13 00-0005	EA	8" x 16" Under Eave Vent, Mill Finish	32.38	10.61

08 95 13 00-0006 Vinyl Soffit Vents (08 95 13)

08 95 13 00-0007	LF	Up To 2" Vinyl Soffit Vent, Perforated, White.....	7.62	3.21
		For Colors, Add	0.12	
08 95 13 00-0008	LF	3" To 4" Vinyl Soffit Vent, Perforated, White	7.77	3.21
		For Colors, Add	0.14	

08 95 16 Wall Vents (08 95)**08 95 16 00-0001 Foundation Vents** (08 95 16)

08 95 16 00-0002	SI	Galvanized Steel Foundation Vent	0.54	0.23
08 95 16 00-0003	SI	Aluminum Foundation Vent.....	1.06	0.23
08 95 16 00-0004	SI	Stainless Steel Foundation Vent	1.18	0.23
08 95 16 00-0005	SI	Plastic Foundation Vent.....	0.71	0.23

END OF SECTION 08

		Finishes	09
		Maintenance of Finishes	09 01
		Maintenance of Plaster and Gypsum Board	09 01 20
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION
		UNIT COST	UNIT COST

09 Finishes

09 01 Maintenance of Finishes ⁽⁰⁹⁾

09 01 20 Maintenance of Plaster and Gypsum Board ^(09 01)

09 01 20 91 Plaster Restoration ^(09 01 20)

09 01 20 91-0001		Cut And Patch Hole In Gypsum Board To Match Existing ^(09 01 20 91)	
		Note: Includes cutting of existing gypsum board, cutting new board to fit opening, taping, gypsum board finishing, and disposal of debris into dumpster. Per location. See CSI section 09 29 00 00-0000 for "Gypsum Board" repairs > 32 SF.	
09 01 20 91-0002	SF	Up To 2 SF, Cut And Patch Hole In Gypsum Board To Match Existing.....	22.93
		Note: Per location.	
09 01 20 91-0003	SF	>2 To 4 SF, Cut And Patch Hole In Gypsum Board To Match Existing	18.49
		Note: Per location.	
09 01 20 91-0004	SF	>4 To 8 SF, Cut And Patch Hole In Gypsum Board To Match Existing	16.59
		Note: Per location.	
09 01 20 91-0005	SF	>8 To 16 SF, Cut And Patch Hole In Gypsum Board To Match Existing	14.61
		Note: Per location.	
09 01 20 91-0006	SF	>16 To 32 SF, Cut And Patch Hole In Gypsum Board To Match Existing	13.08
		Note: Per location. See CSI section 09 29 10 00-0001 for "Gypsum Board" repairs > 32 SF.	
09 01 20 91-0007		Patch/Finish Gypsum Board To Match Existing ^(09 01 20 91)	
		Note: Includes taping, gypsum board finishing. Per location. See CSI section 09 01 20 91-0001 for patching walls requiring gypsum board to be cut and installed.	
09 01 20 91-0008	EA	Tape, Spackle And Finish Gypsum Board To Patch/Finish Small Diameter Holes Or Screw Head Pops	2.23
		For ASTM C840 Level 1 Finish, Deduct	-1.08
		For ASTM C840 Level 2 Finish, Deduct	-0.54
		For ASTM C840 Level 3 Finish, Deduct	-0.22
		For ASTM C840 Level 5 High Quality Finish, Add	1.65
09 01 20 91-0009		Plaster/Stucco Repair ^(09 01 20 91)	
		Note: Per location.	
09 01 20 91-0010		Clean And Repair Crack In Plaster/Stucco ^(09 01 20 91-0009)	
		Note: Includes plaster weld.	
09 01 20 91-0011	LF	Up To 10', Chip, Clean And Repair Crack In Plaster/Stucco	22.44
09 01 20 91-0012	LF	>10' To 50', Chip, Clean And Repair Crack In Plaster/Stucco	18.00
09 01 20 91-0013	LF	>50' To 100', Chip, Clean And Repair Crack In Plaster/Stucco	14.68
09 01 20 91-0014	LF	>100' To 250', Chip, Clean And Repair Crack In Plaster/Stucco	11.37
09 01 20 91-0015	LF	>250' To 500', Chip, Clean And Repair Crack In Plaster/Stucco	9.14
09 01 20 91-0016	LF	>500', Chip, Clean And Repair Crack In Plaster/Stucco	6.93
09 01 20 91-0017		Cut And Patch Hole In Plaster/Stucco To Match Existing ^(09 01 20 91-0009)	
		Note: Includes plaster weld.	
09 01 20 91-0018	SF	Up To 10 SF, Cut And Patch Hole In Plaster To Match Existing	21.42
09 01 20 91-0019	SF	>10 To 50 SF, Cut And Patch Hole In Plaster To Match Existing	18.95
09 01 20 91-0020	SF	>50 To 100 SF, Cut And Patch Hole In Plaster To Match Existing	17.45
09 01 20 91-0021	SF	>100 To 250 SF, Cut And Patch Hole In Plaster To Match Existing	16.22
09 01 20 91-0022	SF	>250 To 500 SF, Cut And Patch Hole In Plaster To Match Existing	15.14
09 01 20 91-0023	SF	>500 SF, Cut And Patch Hole In Plaster To Match Existing	13.94
09 01 20 91-0024		Chip, Clean And Repair Plaster/Stucco ^(09 01 20 91-0009)	
		Note: Includes plaster weld.	
09 01 20 91-0025	SF	Up To 10 SF, Chip, Clean And Repair Plaster/Stucco	40.41
09 01 20 91-0026	SF	>10 To 50 SF, Chip, Clean And Repair Plaster/Stucco	29.33
09 01 20 91-0027	SF	>50 To 250 SF, Chip, Clean And Repair Plaster/Stucco	21.58
09 01 20 91-0028	SF	>250 SF, Chip, Clean And Repair Plaster/Stucco	17.14

09 01 30 Maintenance of Tiling ^(09 01)

09 01 30 91 Tile Restoration ^(09 01 30)

09 01 30 91-0001	SF	RegROUT Floor Tile Including Removal Of Loose Grout	8.84
09 01 30 91-0002	SF	RegROUT Wall Tile Including Removal Of Loose Grout	11.03
09 01 30 91-0003	SF	Up To 1 SF, Cut And Patch Hole In Wall Tile To Match Existing	56.57
		Note: Per location.	

09 01 50 Maintenance of Ceilings ^(09 01)

09 01 50 91 Ceiling Restoration ^(09 01 50)

09 01 50 91-0001		Repair Ceiling Suspension System ^(09 01 50 91)	
		See CSI section 09 53 23 00-0009 for ceiling suspension system accessories for replacement.	

09 01 60 Maintenance of Flooring ^(09 01)

09 01 60 91 Flooring Restoration ^(09 01 60)

09 Finishes**09 01 Maintenance of Finishes****09 01 60 Maintenance of Flooring**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 01 60 91-0001 Grinding, Polishing And Sealing Terrazzo (09 01 60 91)		
09 01 60 91-0002	CSF Grinding, Polishing And Sealing Existing Terrazzo	352.02
09 01 60 91-0003	SF Removal Of Setting Bed And Clean Area For Terrazzo Repair	5.43
09 01 60 91-0004	SF Repair Existing Terrazzo	23.16
09 01 60 91-0005	LF Repair Cracks In Existing Terrazzo	5.49
09 01 60 91-0006 Standard Flooring Maintenance (09 01 60 91)		
09 01 60 91-0007	CSF Steam Clean Carpet	46.41
09 01 60 91-0008	CSF Wax And Polish Tile And VCT Flooring	51.50
	For Additional Coat, Add	43.24
	For Stripping Existing Wax From Floor, Add	49.02
09 01 60 91-0009	CSF Wax And Polish Wood Flooring	32.02
	For Additional Coat, Add	28.35
	For Stripping Existing Wax From Floor, Add	49.02
09 01 60 91-0010	MSF Vacuum Floors	25.59
09 01 60 91-0011 Prepare Existing Concrete Floor Prior To Installation Of Flooring (09 01 60 91)		
09 01 60 91-0012	SY Grinding Of Existing Concrete Floor Prior To Installation Of Flooring	9.91
	Note: Up to 1/8" of material per pass	
09 01 60 91-0013	LF Up To 6" Wide, Hand Detail Work/Grinding At Wall Of Existing Concrete Floor Prior To Installation Of Flooring	19.40
	Note: Up to 1/4" of material per pass	
09 01 60 91-0014	SY Chemical Prepare Existing Concrete Floor Prior To Installation Of Flooring	7.96
09 01 60 91-0015 Floor Sealants (09 01 60 91)		
09 01 60 91-0016	SF Water-Based Emulsion, Masonry/Tile/Stone/Terrazzo Floor Sealant/Finish, Per Coat	1.53
	Note: For terrazzo, concrete, quarry tile, brick and unglazed ceramic tile.	
09 01 60 91-0017	SF Water-Based, Clear Acrylic, Concrete Floor Sealant/Finish, Per Coat	1.71
	Note: For interior/exterior concrete surfaces.	
09 01 60 91-0018	SF Fluorochemical Acrylate Copolymer Masonry/Tile/Stone/Terrazzo Floor Sealant	1.68
09 01 60 91-0019	GAL Masonry/Tile/Stone/Terrazzo Floor Sealant (Extra To Be Provided To Owner)	50.82

09 01 80 Maintenance of Acoustic Treatment (09 01)

09 01 80 00-0001 Removal Of Acoustical Ceiling Treatment (09 01 80)		
09 01 80 00-0002	SF Removal Of Acoustical And Popcorn Ceilings Treatment	2.83

09 01 90 Maintenance of Painting and Coating (09 01)**09 01 90 52 Maintenance Repainting (09 01 90)**

09 01 90 52-0001 Cleaning And Preparation Of Painted And Unpainted Surfaces (09 01 90 52)		
	Note: In excess of surface preparation required. Water blast and pressure washing includes mild detergent and rinsing of surface until detergent free. Media blast and water blast includes canvas/plastic for protection of existing surfaces as well as for containment and collection.	
09 01 90 52-0002 Concrete And Masonry Surfaces, Surface Preparation (09 01 90 52-0001)		
09 01 90 52-0003	SF Trisodium Phosphate (TSP), Clean Concrete Or Masonry Surfaces, Surface Preparation	0.49
	For Up To 100, Add	0.35
	For >100 To 250, Add	0.16
	For >250 To 500, Add	0.07
	For >5,000 To 10,000, Deduct	-0.02
	For >10,000 To 15,000, Deduct	-0.05
	For >15,000 To 30,000, Deduct	-0.07
	For >30,000, Deduct	-0.10
09 01 90 52-0004	SF Calimine Removal/Washing, Concrete And Masonry Surfaces, Surface Preparation	0.52
	For Up To 100, Add	0.88
	For >100 To 250, Add	0.23
	For >250 To 500, Add	0.11
	For >5,000 To 10,000, Deduct	-0.02
	For >10,000 To 15,000, Deduct	-0.05
	For >15,000 To 30,000, Deduct	-0.07
	For >30,000, Deduct	-0.10
09 01 90 52-0005	SF Chemical Clean, Brush And Wash, Concrete And Masonry Surfaces, Surface Preparation	0.81
	For Up To 100, Add	1.35
	For >100 To 250, Add	0.36
	For >250 To 500, Add	0.18
	For >5,000 To 10,000, Deduct	-0.04
	For >10,000 To 15,000, Deduct	-0.07
	For >15,000 To 30,000, Deduct	-0.12
	For >30,000, Deduct	-0.15
09 01 90 52-0006	SF Hand Scrape, Concrete And Masonry Surfaces, Surface Preparation	0.66
	For Up To 100, Add	1.32
	For >100 To 250, Add	0.33
	For >250 To 500, Add	0.17
	For >5,000 To 10,000, Deduct	-0.03
	For >10,000 To 15,000, Deduct	-0.07
	For >15,000 To 30,000, Deduct	-0.10
	For >30,000, Deduct	-0.13

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 90 52-0007	SF	Steam Clean, Concrete And Masonry Surfaces, Surface Preparation.....	0.85	
		For Up To 100, Add	1.46	
		For >100 To 250, Add	0.39	
		For >250 To 500, Add	0.19	
		For >5,000 To 10,000, Deduct	-0.04	
		For >10,000 To 15,000, Deduct	-0.08	
		For >15,000 To 30,000, Deduct	-0.12	
		For >30,000, Deduct	-0.16	
09 01 90 52-0008	SF	2,000 To 5,000 PSI Pressure Wash, Concrete And Masonry Surfaces, Surface Preparation	0.55	
		For Up To 100, Add	0.89	
		For >100 To 250, Add	0.24	
		For >250 To 500, Add	0.12	
		For >5,000 To 10,000, Deduct	-0.02	
		For >10,000 To 15,000, Deduct	-0.05	
		For >15,000 To 30,000, Deduct	-0.08	
		For >30,000, Deduct	-0.10	
09 01 90 52-0009	SF	10,000 To 12,000 PSI Water Blast, Concrete And Masonry Surfaces, Surface Preparation	1.52	
		For Up To 100, Add	2.73	
		For >100 To 250, Add	0.71	
		For >250 To 500, Add	0.35	
		For >5,000 To 10,000, Deduct	-0.07	
		For >10,000 To 15,000, Deduct	-0.14	
		For >15,000 To 30,000, Deduct	-0.22	
		For >30,000, Deduct	-0.29	
09 01 90 52-0010	SF	30,000 To 40,000 PSI Water Blast, Concrete And Masonry Surfaces, Surface Preparation	2.51	
		For Up To 100, Add	4.71	
		For >100 To 250, Add	1.20	
		For >250 To 500, Add	0.60	
		For >5,000 To 10,000, Deduct	-0.12	
		For >10,000 To 15,000, Deduct	-0.24	
		For >15,000 To 30,000, Deduct	-0.37	
		For >30,000, Deduct	-0.49	
09 01 90 52-0011	SF	Abrasive Glass Media Blasting, Concrete And Masonry Surfaces, Surface Preparation.....	3.90	
		Note: 3 Lb. of sand or glass abrasive media material per SF		
		For 4.5 Lb. Of Abrasive Media Material per SF, Where Multiple Pass Is Required, Add	2.26	
		For 6 Lb. Of Abrasive Media Material per SF, Where Multiple Pass Is Required, Add	4.69	
		For 9 Lb. Of Abrasive Media Material per SF, Where Multiple Pass Is Required, Add	7.80	
		For Up To 100, Add	6.66	
		For >100 To 250, Add	1.76	
		For >250 To 500, Add	0.86	
		For >5,000 To 10,000, Deduct	-0.18	
		For >10,000 To 15,000, Deduct	-0.36	
		For >15,000 To 30,000, Deduct	-0.56	
		For >30,000, Deduct	-0.74	
09 01 90 52-0012		Drywall Surfaces, Surface Preparation (09 01 90 52-0001)		
		See CSI section 09 01 20 91-0007 for Patch holes other than nail/screw holes and greater than 1/2" diameter.		
09 01 90 52-0013	SF	Hand Wash Drywall Surfaces With Mild Detergent Or Degreaser (No Sanding, Repairing Or Scraping), Surface Preparation	0.38	
		For Up To 100, Add	0.76	
		For >100 To 250, Add	0.19	
		For >250 To 500, Add	0.10	
09 01 90 52-0014	SF	Hand Wash, Minor Repair And Light Sanding Drywall Surfaces, Surface Preparation.....	0.64	
		For Up To 100, Add	1.28	
		For >100 To 250, Add	0.32	
		For >250 To 500, Add	0.16	
09 01 90 52-0015	SF	Hand Scrape, Repair And Sand Severely Damaged Drywall Surfaces, Surface Preparation.....	1.21	
		For Up To 100, Add	2.30	
		For >100 To 250, Add	0.59	
		For >250 To 500, Add	0.29	
09 01 90 52-0016		Metal Surfaces, Surface Preparation (09 01 90 52-0001)		
09 01 90 52-0017	SF	Trisodium Phosphate (TSP), Clean Metal Surfaces, Surface Preparation.....	0.47	
		For Up To 100, Add	0.34	
		For >100 To 250, Add	0.16	
		For >250 To 500, Add	0.07	
		For >5,000 To 10,000, Deduct	-0.02	
		For >10,000 To 15,000, Deduct	-0.05	
		For >15,000 To 30,000, Deduct	-0.07	
		For >30,000, Deduct	-0.09	
09 01 90 52-0018	SF	Chemical Clean, Brush And Wash, Metal Surfaces, Surface Preparation	0.81	
		For Up To 100, Add	0.47	
		For >100 To 250, Add	0.22	
		For >250 To 500, Add	0.09	
		For >5,000 To 10,000, Deduct	-0.04	
		For >10,000 To 15,000, Deduct	-0.07	
		For >15,000 To 30,000, Deduct	-0.12	
		For >30,000, Deduct	-0.15	
09 01 90 52-0019	SF	Hand Scraping And Sanding, Metal Surfaces, Surface Preparation	0.66	
		For Up To 100, Add	0.50	
		For >100 To 250, Add	0.23	
		For >250 To 500, Add	0.10	
		For >5,000 To 10,000, Deduct	-0.03	
		For >10,000 To 15,000, Deduct	-0.07	
		For >15,000 To 30,000, Deduct	-0.10	
		For >30,000, Deduct	-0.13	

09 Finishes**09 01 Maintenance of Finishes****09 01 90 Maintenance of Painting and Coating**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 01 90 52-0020	SF	2,000 To 5,000 PSI Pressure Wash, Metal Surfaces, Surface Preparation	0.52	
		For Up To 100, Add	0.31	
		For >100 To 250, Add	0.14	
		For >250 To 500, Add	0.06	
		For >5,000 To 10,000, Deduct	-0.02	
		For >10,000 To 15,000, Deduct	-0.05	
		For >15,000 To 30,000, Deduct	-0.07	
		For >30,000, Deduct	-0.10	
09 01 90 52-0021	SF	Power Tool Cleaning, Metal Surfaces, Surface Preparation	1.39	
		For Up To 100, Add	1.04	
		For >100 To 250, Add	0.49	
		For >250 To 500, Add	0.21	
		For >5,000 To 10,000, Deduct	-0.07	
		For >10,000 To 15,000, Deduct	-0.14	
		For >15,000 To 30,000, Deduct	-0.21	
		For >30,000, Deduct	-0.28	
09 01 90 52-0022	SF	Steam Cleaning, Metal Surfaces, Surface Preparation	0.54	
		For Up To 100, Add	0.29	
		For >100 To 250, Add	0.13	
		For >250 To 500, Add	0.06	
		For >5,000 To 10,000, Deduct	-0.02	
		For >10,000 To 15,000, Deduct	-0.05	
		For >15,000 To 30,000, Deduct	-0.08	
		For >30,000, Deduct	-0.10	
09 01 90 52-0023	SF	Loose Mill Scale With Fine Powder, Commercial Blast, Metal Surfaces, Surface Preparation	1.15	
		For Up To 100, Add	0.71	
		For >100 To 250, Add	0.33	
		For >250 To 500, Add	0.14	
		For >5,000 To 10,000, Deduct	-0.05	
		For >10,000 To 15,000, Deduct	-0.11	
		For >15,000 To 30,000, Deduct	-0.17	
		For >30,000, Deduct	-0.22	
09 01 90 52-0024	SF	Tight Mill Scale With Fine Powder Rust, Commercial Blast, Metal Surfaces, Surface Preparation	1.57	
		For Up To 100, Add	0.94	
		For >100 To 250, Add	0.44	
		For >250 To 500, Add	0.19	
		For >5,000 To 10,000, Deduct	-0.07	
		For >10,000 To 15,000, Deduct	-0.14	
		For >15,000 To 30,000, Deduct	-0.23	
		For >30,000, Deduct	-0.30	
09 01 90 52-0025	SF	Exterior Coating Blistered Pitted, Rust, Commercial Blast, Metal Surfaces, Surface Preparation	2.31	
		For Up To 100, Add	1.41	
		For >100 To 250, Add	0.66	
		For >250 To 500, Add	0.28	
		For >5,000 To 10,000, Deduct	-0.11	
		For >10,000 To 15,000, Deduct	-0.21	
		For >15,000 To 30,000, Deduct	-0.33	
		For >30,000, Deduct	-0.44	
09 01 90 52-0026	SF	Badly Pitted With Rust Nodules, Commercial Blast, Metal Surfaces, Surface Preparation	3.84	
		For Up To 100, Add	2.34	
		For >100 To 250, Add	1.09	
		For >250 To 500, Add	0.47	
		For >5,000 To 10,000, Deduct	-0.18	
		For >10,000 To 15,000, Deduct	-0.36	
		For >15,000 To 30,000, Deduct	-0.55	
		For >30,000, Deduct	-0.73	
09 01 90 52-0027	SF	Loose Mill Scale With Fine Powder Rust, Near White Blast, Metal Surfaces, Surface Preparation	2.94	
		For Up To 100, Add	1.76	
		For >100 To 250, Add	0.82	
		For >250 To 500, Add	0.35	
		For >5,000 To 10,000, Deduct	-0.14	
		For >10,000 To 15,000, Deduct	-0.27	
		For >15,000 To 30,000, Deduct	-0.42	
		For >30,000, Deduct	-0.56	
09 01 90 52-0028	SF	Tight Mill Scale Little Rust, Near White Blast, Metal Surfaces, Surface Preparation	3.63	
		For Up To 100, Add	2.16	
		For >100 To 250, Add	1.01	
		For >250 To 500, Add	0.43	
		For >5,000 To 10,000, Deduct	-0.17	
		For >10,000 To 15,000, Deduct	-0.33	
		For >15,000 To 30,000, Deduct	-0.52	
		For >30,000, Deduct	-0.69	
09 01 90 52-0029	SF	Exterior Coat Blistered Pitted Rust, Near White Blast, Metal Surfaces, Surface Preparation	4.71	
		For Up To 100, Add	2.81	
		For >100 To 250, Add	1.31	
		For >250 To 500, Add	0.56	
		For >5,000 To 10,000, Deduct	-0.22	
		For >10,000 To 15,000, Deduct	-0.43	
		For >15,000 To 30,000, Deduct	-0.68	
		For >30,000, Deduct	-0.89	
09 01 90 52-0030	SF	Badly Pitted Rust Nodules, Near White Blast, Metal Surfaces, Surface Preparation	5.89	
		For Up To 100, Add	3.52	
		For >100 To 250, Add	1.64	
		For >250 To 500, Add	0.70	
		For >5,000 To 10,000, Deduct	-0.27	
		For >10,000 To 15,000, Deduct	-0.54	
		For >15,000 To 30,000, Deduct	-0.85	
		For >30,000, Deduct	-1.12	

09 01 90 52-0031 Tile Surfaces, Surface Preparation (09 01 90 52-0001)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 90 52-0032	SF		Trisodium Phosphate (TSP), Clean Tile Surfaces, Surface Preparation.....	0.43	
			For Up To 100, Add	0.31	
			For >100 To 250, Add	0.14	
			For >250 To 500, Add	0.06	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 15,000, Deduct	-0.04	
			For >15,000 To 30,000, Deduct	-0.06	
			For >30,000, Deduct	-0.09	
09 01 90 52-0033	CSF		Chemical Alkaline Cleaner, Brush And Wash Tile Surfaces, Surface Preparation	42.54	
			For Up To 100, Add	31.63	
			For >100 To 250, Add	14.76	
			For >250 To 500, Add	6.33	
			For >5,000 To 10,000, Deduct	-2.12	
			For >10,000 To 15,000, Deduct	-4.24	
			For >15,000 To 30,000, Deduct	-6.37	
			For >30,000, Deduct	-8.49	
09 01 90 52-0034	SF		2,000 To 5,000 PSI, Pressure Wash Tile Surfaces, Surface Preparation	0.38	
			For Up To 100, Add	0.23	
			For >100 To 250, Add	0.11	
			For >250 To 500, Add	0.05	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 15,000, Deduct	-0.04	
			For >15,000 To 30,000, Deduct	-0.05	
			For >30,000, Deduct	-0.07	
09 01 90 52-0035 Wood Surfaces, Surface Preparation (09 01 90 52-0001)					
09 01 90 52-0036	SF		Prepare New Wood Floor For Finish, Multi Grit Sanding/Screening	1.70	
			For Up To 100, Add	1.21	
			For >100 To 250, Add	0.56	
			For >250 To 500, Add	0.24	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 15,000, Deduct	-0.17	
			For >15,000 To 30,000, Deduct	-0.25	
			For >30,000, Deduct	-0.34	
09 01 90 52-0037	SF		Trisodium Phosphate (TSP), Clean Wood Surfaces, Surface Preparation	0.45	
			For Up To 100, Add	0.32	
			For >100 To 250, Add	0.15	
			For >250 To 500, Add	0.06	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 15,000, Deduct	-0.04	
			For >15,000 To 30,000, Deduct	-0.07	
			For >30,000, Deduct	-0.09	
09 01 90 52-0038	SF		Chemical Clean, Brush And Wash Wood Surfaces, Surface Preparation	0.68	
			For Up To 100, Add	0.38	
			For >100 To 250, Add	0.18	
			For >250 To 500, Add	0.08	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 15,000, Deduct	-0.06	
			For >15,000 To 30,000, Deduct	-0.10	
			For >30,000, Deduct	-0.13	
09 01 90 52-0039	SF		Hand Scrape Wood Surfaces, Surface Preparation	0.86	
			For Up To 100, Add	0.65	
			For >100 To 250, Add	0.30	
			For >250 To 500, Add	0.13	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 15,000, Deduct	-0.09	
			For >15,000 To 30,000, Deduct	-0.13	
			For >30,000, Deduct	-0.17	
09 01 90 52-0040	SF		Steam Clean Wood Surfaces, Surface Preparation	0.83	
			For Up To 100, Add	0.50	
			For >100 To 250, Add	0.23	
			For >250 To 500, Add	0.10	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 15,000, Deduct	-0.08	
			For >15,000 To 30,000, Deduct	-0.12	
			For >30,000, Deduct	-0.16	
09 01 90 52-0041	SF		2,000 To 5,000 PSI, Pressure Wash Wood Surfaces, Surface Preparation	0.57	
			For Up To 100, Add	0.35	
			For >100 To 250, Add	0.16	
			For >250 To 500, Add	0.07	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 15,000, Deduct	-0.05	
			For >15,000 To 30,000, Deduct	-0.08	
			For >30,000, Deduct	-0.11	
09 01 90 52-0042	SF		Sanding Wood Paneling, Boards, Doors Or Other Wood Surfaces, Surface Preparation	0.89	
			For Up To 100, Add	0.61	
			For >100 To 250, Add	0.28	
			For >250 To 500, Add	0.12	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 15,000, Deduct	-0.09	
			For >15,000 To 30,000, Deduct	-0.13	
			For >30,000, Deduct	-0.17	
09 01 90 52-0043	SF		Sanding Wood Trim Surfaces, Surface Preparation	1.21	
			For Up To 100, Add	0.85	
			For >100 To 250, Add	0.40	
			For >250 To 500, Add	0.17	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 15,000, Deduct	-0.12	
			For >15,000 To 30,000, Deduct	-0.18	
			For >30,000, Deduct	-0.24	

09 Finishes**09 01 Maintenance of Finishes****09 01 90 Maintenance of Painting and Coating**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 01 90 52-0044	SF	Prime Wood Surfaces With Linseed Oil, 1 Coat, Surface Preparation.....	0.81	
		For Up To 100, Add	0.50	
		For >100 To 250, Add	0.23	
		For >250 To 500, Add	0.10	
		For >5,000 To 10,000, Deduct	-0.04	
		For >10,000 To 15,000, Deduct	-0.08	
		For >15,000 To 30,000, Deduct	-0.12	
		For >30,000, Deduct	-0.16	

09 01 90 52-0045	SF	Paint Wood Surfaces With Linseed Oil, 1 Coat, Surface Preparation.....	0.93	
		For Up To 100, Add	0.59	
		For >100 To 250, Add	0.28	
		For >250 To 500, Add	0.12	
		For >5,000 To 10,000, Deduct	-0.04	
		For >10,000 To 15,000, Deduct	-0.09	
		For >15,000 To 30,000, Deduct	-0.14	
		For >30,000, Deduct	-0.18	

09 01 90 52-0046 Vinyl Siding Surfaces, Surface Preparation (09 01 90 52-0001)

09 01 90 52-0047	SF	Trisodium Phosphate (TSP), Clean, Vinyl Siding Surfaces, Surface Preparation.....	0.43	
		For Up To 100, Add	0.31	
		For >100 To 250, Add	0.14	
		For >250 To 500, Add	0.06	
		For >5,000 To 10,000, Deduct	-0.02	
		For >10,000 To 15,000, Deduct	-0.04	
		For >15,000 To 30,000, Deduct	-0.06	
		For >30,000, Deduct	-0.09	

09 01 90 52-0048	SF	Hand Wash, Vinyl Siding Surfaces, Surface Preparation.....	0.68	
		For Up To 100, Add	0.48	
		For >100 To 250, Add	0.22	
		For >250 To 500, Add	0.10	
		For >5,000 To 10,000, Deduct	-0.03	
		For >10,000 To 15,000, Deduct	-0.07	
		For >15,000 To 30,000, Deduct	-0.10	
		For >30,000, Deduct	-0.13	

09 01 90 52-0049	SF	2,000 To 5,000 PSI Pressure Wash, Vinyl Siding Surfaces, Surface Preparation.....	0.47	
		For Up To 100, Add	0.26	
		For >100 To 250, Add	0.12	
		For >250 To 500, Add	0.05	
		For >5,000 To 10,000, Deduct	-0.02	
		For >10,000 To 15,000, Deduct	-0.04	
		For >15,000 To 30,000, Deduct	-0.07	
		For >30,000, Deduct	-0.09	

09 01 90 52-0050	SF	Steam Clean, Vinyl Siding Surfaces, Surface Preparation.....	0.88	
		For Up To 100, Add	0.50	
		For >100 To 250, Add	0.23	
		For >250 To 500, Add	0.10	
		For >5,000 To 10,000, Deduct	-0.04	
		For >10,000 To 15,000, Deduct	-0.08	
		For >15,000 To 30,000, Deduct	-0.13	
		For >30,000, Deduct	-0.17	

09 01 90 52-0051 Plaster/Stucco Surfaces, Surface Preparation (09 01 90 52-0001)

Note: Based on total project quantity.

09 01 90 52-0052	SF	Trisodium Phosphate (TSP), Clean Plaster/Stucco Surfaces, Surface Preparation	0.49	
		For Up To 100, Add	0.35	
		For >100 To 250, Add	0.16	
		For >250 To 500, Add	0.07	
		For >5,000 To 10,000, Deduct	-0.02	
		For >10,000 To 15,000, Deduct	-0.05	
		For >15,000 To 30,000, Deduct	-0.07	
		For >30,000, Deduct	-0.10	

09 01 90 52-0053	SF	2,000 To 5,000 PSI Pressure Wash Plaster/Stucco Surfaces, Surface Preparation.....	0.62	
		For Up To 100, Add	0.36	
		For >100 To 250, Add	0.17	
		For >250 To 500, Add	0.07	
		For >5,000 To 10,000, Deduct	-0.03	
		For >10,000 To 15,000, Deduct	-0.06	
		For >15,000 To 30,000, Deduct	-0.09	
		For >30,000, Deduct	-0.12	

09 01 90 52-0054 Prep Work (09 01 90 52-0001)

09 01 90 52-0055	SF	Citrus Strip, Single Applications.....	1.20	
		Note: For removal of up to 40 mils each application (average 5 layers at 8 mils per layer) dried latex and oil-based paint, varnish, lacquer, polyurethane and shellac from wood, metal, and masonry surfaces. Multiple applications may be necessary, refer to manufacturer recommendations		

09 01 90 61 Repainting (09 01 90)**09 01 90 61-0001 Touchup and "Spot" Painting Of Surfaces (09 01 90 61)**

Note: For use on individual areas less than 10 SF.

09 01 90 61-0002	SF	"Spot" Paint Drywall, Plaster, Wood And Concrete Surfaces, Per Coat.....	1.55	
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09 01 90 91 Paint Restoration (09 01 90)**09 01 90 91-0001 Paint Removal, Strip To Bare Wood (09 01 90 91)**

		Finishes	09	2
		Maintenance of Finishes	09 01	
		Maintenance of Painting and Coating	09 01 90	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST
				DEMOLITION UNIT COST

09 01 90 91-0002	SF	Flat Surfaces, Paint Removal, Strip To Bare Wood	7.75	
09 01 90 91-0003	SF	Cornices And Decorative Trim To 12" Wide, Paint Removal, Strip To Bare Wood	8.25	

09 05 Common Work Results for Finishes (09)

09 05 61 Common Work Results for Flooring Preparation (09 05)

09 05 61 13 Moisture Vapor Emission Control (09 05 61)

09 05 61 13-0001	Moisture Vapor Reduction System (Koester VAP) (09 05 61 13)			
09 05 61 13-0002	SF	Up To 200 SF, Water Vapor Emission Control System (Koester VAP 1-2000)	21.27	
		Note: Clear		
09 05 61 13-0003	SF	>200 To 500 SF, Water Vapor Emission Control System (Koester VAP 1-2001)	16.88	
		Note: Clear		
09 05 61 13-0004	SF	>500 To 1,000 SF, Water Vapor Emission Control System (Koester VAP 1-2002)	11.26	
		Note: Clear		
09 05 61 13-0005	SF	>1,000 To 3,000 SF, Water Vapor Emission Control System (Koester VAP 1-2003)	9.37	
		Note: Clear		
09 05 61 13-0006	SF	>3,000 SF, Water Vapor Emission Control System (Koester VAP 1-2004)	7.51	
		Note: Clear		
09 05 61 13-0007	Moisture Vapor Transmission Control (Dependable Cutdown® II) (09 05 61 13)			
09 05 61 13-0008	SF	8# Two Coats, Moisture Vapor Transmission Control (Dependable Cutdown® II)	4.99	
09 05 61 13-0009	SF	15# Two Coats, Moisture Vapor Transmission Control (Dependable Cutdown® II)	6.87	

09 05 71 Acoustic Underlayment (09 05)

09 05 71 00-0001	Tile And Stone Acoustical Underlayment (09 05 71)			
09 05 71 00-0002	SF	5 Mil Tile And Stone Acoustical Underlayment (EasyMat)	4.77	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	0.56	
09 05 71 00-0003	Resilient Floor Acoustical Underlayment (09 05 71)			
09 05 71 00-0004	SF	Vinyl, Linoleum, LVT And Vinyl Strip Flooring Acoustical Underlayment (Impacta, Soundseal VC300)	2.95	
09 05 71 00-0005	SF	2 MM Thick Resilient Plank Floor Acoustical Underlayment (Floormuffler)	1.40	
09 05 71 00-0006	SF	0.055" Thick High-Density Polyurethane Foam Floor Acoustical Underlayment (Silencer LVT)	1.33	

09 20 Plaster and Gypsum Board (09)

09 22 Supports for Plaster and Gypsum Board (09 20)

Note: Per SF of wall area measures one side. Do not deduct for opens of less than 25 SF when calculating total wall square footage.

09 22 13 Metal Furring (09 22)

09 22 13 13 Metal Channel Furring (09 22 13)

09 22 13 13-0001	Hat Furring Channel (09 22 13 13)			
		Note: Includes clips where required.		
09 22 13 13-0002	Installed On Walls, Hat Furring Channel (09 22 13 13-0001)			
09 22 13 13-0003	SF	7/8", 25 Gauge, 16" On Center, Installed On Walls, Hat Furring Channel	5.33	1.96
		For Walls >10' High, Add	0.59	
		For 24" On Center, Deduct	-0.67	
		For 12" On Center, Add	0.87	
		For 22 Gauge, Add	0.71	
		For 20 Gauge, Add	1.52	
09 22 13 13-0004	SF	1-1/2", 25 Gauge, 16" On Center, Installed On Walls, Hat Furring Channel	5.88	1.96
		For Walls >10' High, Add	0.59	
		For 24" On Center, Deduct	-0.78	
		For 12" On Center, Add	0.98	
		For 22 Gauge, Add	0.98	
		For 20 Gauge, Add	1.88	
09 22 13 13-0005	Installed On Columns And Beams, Hat Furring Channel (09 22 13 13-0001)			
09 22 13 13-0006	SF	7/8", 25 Gauge, 16" On Center, Installed On Columns And Beams, Hat Furring Channel	7.45	3.01
		For Columns And Beams >10' High, Add	1.21	
		For 24" On Center, Deduct	-0.89	
		For 12" On Center, Add	1.19	
		For 22 Gauge, Add	0.71	
		For 20 Gauge, Add	1.84	
09 22 13 13-0007	SF	1-1/2", 25 Gauge, 16" On Center, Installed On Columns And Beams, Hat Furring Channel	8.01	3.01
		For Columns And Beams >10' High, Add	1.21	
		For 24" On Center, Deduct	-1.00	
		For 12" On Center, Add	1.30	
		For 22 Gauge, Add	0.99	
		For 20 Gauge, Add	2.21	
09 22 13 13-0008	Installed On Ceilings, Hat Furring Channel (09 22 13 13-0001)			

09	Finishes	
	09 20	Plaster and Gypsum Board
	09 22	Supports for Plaster and Gypsum Board



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
09 22 13 13-0009	SF	7/8", 25 Gauge, 16" On Center, Installed On Ceilings, Hat Furring Channel	7.16		2.41
		For Ceilings >10' High, Add	0.72		
		For 24" On Center, Deduct	-0.95		
		For 12" On Center, Add	1.19		
		For 22 Gauge, Add	1.17		
		For 20 Gauge, Add	2.27		
09 22 13 13-0010	SF	1-1/2", 25 Gauge, 16" On Center, Installed On Ceilings, Hat Furring Channel	7.71		2.41
		For Ceilings >10' High, Add	0.72		
		For 24" On Center, Deduct	-1.06		
		For 12" On Center, Add	1.30		
		For 22 Gauge, Add	1.45		
		For 20 Gauge, Add	2.63		
09 22 13 13-0011	Z Furring Channel (09 22 13 13)				
09 22 13 13-0012	Installed On Walls, Z Furring Channel (09 22 13 13-0011)				
09 22 13 13-0013	SF	1", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel.....	4.25		1.96
		For Walls >10' High, Add	0.59		
		For 24" On Center, Deduct	-0.46		
		For 12" On Center, Add	0.65		
		For 22 Gauge, Add	0.17		
		For 20 Gauge, Add	0.81		
09 22 13 13-0014	SF	1-1/2", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel	4.31		1.96
		For Walls >10' High, Add	0.59		
		For 24" On Center, Deduct	-0.47		
		For 12" On Center, Add	0.67		
		For 22 Gauge, Add	0.20		
		For 20 Gauge, Add	0.85		
09 22 13 13-0015	SF	2", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel.....	4.37		1.96
		For Walls >10' High, Add	0.59		
		For 24" On Center, Deduct	-0.48		
		For 12" On Center, Add	0.68		
		For 22 Gauge, Add	0.23		
		For 20 Gauge, Add	0.89		
09 22 13 13-0016	SF	2-1/2", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel	4.41		1.96
		For Walls >10' High, Add	0.59		
		For 24" On Center, Deduct	-0.49		
		For 12" On Center, Add	0.69		
		For 22 Gauge, Add	0.25		
		For 20 Gauge, Add	0.91		
09 22 13 13-0017	SF	3", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel.....	4.45		1.96
		For Walls >10' High, Add	0.59		
		For 24" On Center, Deduct	-0.50		
		For 12" On Center, Add	0.69		
		For 22 Gauge, Add	0.27		
		For 20 Gauge, Add	0.94		
09 22 13 23	Resilient Channel Furring (09 22 13)				
09 22 13 23-0001	Single-Leg Resilient Channel, RC1 Furring Channel (09 22 13 23)				
	Note: Includes clips where required.				
09 22 13 23-0002	Installed On Walls, Single-Leg Resilient Channel, RC1 Furring Channel (09 22 13 23-0001)				
09 22 13 23-0003	SF	25 Gauge, 16" On Center, Installed On Walls, Single-Leg Resilient Channel.....	4.61		1.96
		For Walls >10' High, Add	0.59		
		For 24" On Center, Deduct	-0.53		
		For 12" On Center, Add	0.73		
		For 20 Gauge, Add	1.04		
09 22 13 23-0004	Installed On Ceilings, Single-Leg Resilient Channel, RC1 Furring Channel (09 22 13 23-0001)				
09 22 13 23-0005	SF	25 Gauge, 16" On Center, Installed On Ceilings, Single-Leg Resilient Channel.....	5.51		2.41
		For Ceilings >10' High, Add	0.72		
		For 24" On Center, Deduct	-0.62		
		For 12" On Center, Add	0.86		
		For 20 Gauge, Add	1.18		
09 22 13 23-0006	Double-Leg Resilient Channel, RC2 Furring Channel (09 22 13 23)				
	Note: Includes clips where required.				
09 22 13 23-0007	Installed On Walls, Double-Leg Resilient Channel, RC2 Furring Channel (09 22 13 23-0006)				
09 22 13 23-0008	SF	25 Gauge, 16" On Center, Installed On Walls, Double-Leg Resilient Channel	4.87		1.96
		For Walls >10' High, Add	0.59		
		For 24" On Center, Deduct	-0.58		
		For 12" On Center, Add	0.78		
		For 20 Gauge, Add	1.22		
09 22 13 23-0009	Installed On Ceilings, Double-Leg Resilient Channel, RC2 Furring Channel (09 22 13 23-0006)				
09 22 13 23-0010	SF	25 Gauge, 16" On Center, Installed On Ceilings, Double-Leg Resilient Channel	5.77		2.41
		For Ceilings >10' High, Add	0.72		
		For 24" On Center, Deduct	-0.67		
		For 12" On Center, Add	0.91		
		For 20 Gauge, Add	1.35		

Finishes			09
Plaster and Gypsum Board			09 20
Supports for Plaster and Gypsum Board			09 22
MINOR	CSI	UOM	DESCRIPTION
			TOTAL DIRECT DEMOLITION UNIT COST UNIT COST

09 22 16 Non-Structural Metal Framing (09 22)

Note: Includes studs, bridging, fasteners, and metal stiffener at half height. Do not deduct for openings of less than 25 SF.

09 22 16 13 Non-Structural Metal Stud Framing (09 22 16)

09 22 16 13-0001		25 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners (09 22 16 13)		
09 22 16 13-0002	SF	1-5/8" Width, 16" On Center, 25 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	3.56	0.82
		For Powder-Actuated Fasteners Every 2', Add	0.06	
		For Walls >10' High, Add	0.71	
		For Soffit, Columns Or Beams Up To 10' High, Add	1.99	
		For Soffit, Columns Or Beams >10' High, Add	2.60	
		For Horizontal Installation Up To 10' High, Add	0.66	
		For Horizontal Installation >10' High, Add	0.87	
		For Curved Wall, Add	0.61	
		For 12" On Center, Add	0.61	
		For 24" On Center, Deduct	-0.61	
		For Up To 100, Add	1.12	
		For >100 To 300, Add	0.56	
		For >1,000, Deduct	-0.33	
09 22 16 13-0003	SF	2-1/2" Width, 16" On Center, 25 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	3.84	0.85
		For Powder-Actuated Fasteners Every 2', Add	0.06	
		For Walls >10' High, Add	0.77	
		For Soffit, Columns Or Beams Up To 10' High, Add	2.10	
		For Soffit, Columns Or Beams >10' High, Add	2.74	
		For Horizontal Installation Up To 10' High, Add	0.71	
		For Horizontal Installation >10' High, Add	0.92	
		For Curved Wall, Add	0.64	
		For 12" On Center, Add	0.66	
		For 24" On Center, Deduct	-0.66	
		For Up To 100, Add	1.20	
		For >100 To 300, Add	0.60	
		For >1,000, Deduct	-0.36	
09 22 16 13-0004	SF	3-5/8" Width, 16" On Center, 25 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	4.20	0.89
		For Powder-Actuated Fasteners Every 2', Add	0.06	
		For Walls >10' High, Add	0.84	
		For Soffit, Columns Or Beams Up To 10' High, Add	2.21	
		For Soffit, Columns Or Beams >10' High, Add	2.88	
		For Horizontal Installation Up To 10' High, Add	0.76	
		For Horizontal Installation >10' High, Add	0.98	
		For Curved Wall, Add	0.67	
		For 12" On Center, Add	0.73	
		For 24" On Center, Deduct	-0.73	
		For Up To 100, Add	1.29	
		For >100 To 300, Add	0.64	
		For >1,000, Deduct	-0.41	
09 22 16 13-0005	SF	4" Width, 16" On Center, 25 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	4.51	0.94
		For Powder-Actuated Fasteners Every 2', Add	0.06	
		For Walls >10' High, Add	0.90	
		For Soffit, Columns Or Beams Up To 10' High, Add	2.33	
		For Soffit, Columns Or Beams >10' High, Add	3.04	
		For Horizontal Installation Up To 10' High, Add	0.80	
		For Horizontal Installation >10' High, Add	1.04	
		For Curved Wall, Add	0.71	
		For 12" On Center, Add	0.78	
		For 24" On Center, Deduct	-0.78	
		For Up To 100, Add	1.37	
		For >100 To 300, Add	0.69	
		For >1,000, Deduct	-0.44	
09 22 16 13-0006	SF	6" Width, 16" On Center, 25 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	5.13	0.98
		For Powder-Actuated Fasteners Every 2', Add	0.06	
		For Walls >10' High, Add	1.03	
		For Soffit, Columns Or Beams Up To 10' High, Add	2.49	
		For Soffit, Columns Or Beams >10' High, Add	3.23	
		For Horizontal Installation Up To 10' High, Add	0.88	
		For Horizontal Installation >10' High, Add	1.13	
		For Curved Wall, Add	0.74	
		For 12" On Center, Add	0.90	
		For 24" On Center, Deduct	-0.90	
		For Up To 100, Add	1.52	
		For >100 To 300, Add	0.76	
		For >1,000, Deduct	-0.52	

09 22 16 13-0007		20 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners (09 22 16 13)		
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09 Finishes**09 20 Plaster and Gypsum Board****09 22 Supports for Plaster and Gypsum Board**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 22 16 13-0008	SF	1-5/8" Width, 16" On Center, 20 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	4.12	0.83
		For Powder-Actuated Fasteners Every 2', Add	0.06	
		For Walls >10' High, Add	0.82	
		For Soffit, Columns Or Beams Up To 10' High, Add	2.08	
		For Soffit, Columns Or Beams >10' High, Add	2.71	
		For Horizontal Installation Up To 10' High, Add	0.73	
		For Horizontal Installation >10' High, Add	0.93	
		For Curved Wall, Add	0.63	
		For 12" On Center, Add	0.72	
		For 24" On Center, Deduct	-0.72	
		For Up To 100, Add	1.24	
		For >100 To 300, Add	0.62	
		For >1,000, Deduct	-0.41	
09 22 16 13-0009	SF	2-1/2" Width, 16" On Center, 20 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	4.59	0.88
		For Powder-Actuated Fasteners Every 2', Add	0.06	
		For Walls >10' High, Add	0.92	
		For Soffit, Columns Or Beams Up To 10' High, Add	2.22	
		For Soffit, Columns Or Beams >10' High, Add	2.88	
		For Horizontal Installation Up To 10' High, Add	0.79	
		For Horizontal Installation >10' High, Add	1.01	
		For Curved Wall, Add	0.66	
		For 12" On Center, Add	0.81	
		For 24" On Center, Deduct	-0.81	
		For Up To 100, Add	1.36	
		For >100 To 300, Add	0.68	
		For >1,000, Deduct	-0.47	
09 22 16 13-0010	SF	3-5/8" Width, 16" On Center, 20 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	5.13	0.91
		For Powder-Actuated Fasteners Every 2', Add	0.06	
		For Walls >10' High, Add	1.03	
		For Soffit, Columns Or Beams Up To 10' High, Add	2.35	
		For Soffit, Columns Or Beams >10' High, Add	3.04	
		For Horizontal Installation Up To 10' High, Add	0.86	
		For Horizontal Installation >10' High, Add	1.09	
		For Curved Wall, Add	0.69	
		For 12" On Center, Add	0.91	
		For 24" On Center, Deduct	-0.91	
		For Up To 100, Add	1.49	
		For >100 To 300, Add	0.74	
		For >1,000, Deduct	-0.54	
09 22 16 13-0011	SF	4" Width, 16" On Center, 20 Gauge, Non-Load Bearing, Non-Structural Structural, Galvanized Steel Framing With Tracks And Runners.....	5.48	0.96
		For Powder-Actuated Fasteners Every 2', Add	0.06	
		For Walls >10' High, Add	1.10	
		For Soffit, Columns Or Beams Up To 10' High, Add	2.48	
		For Soffit, Columns Or Beams >10' High, Add	3.20	
		For Horizontal Installation Up To 10' High, Add	0.91	
		For Horizontal Installation >10' High, Add	1.15	
		For Curved Wall, Add	0.72	
		For 12" On Center, Add	0.98	
		For 24" On Center, Deduct	-0.98	
		For Up To 100, Add	1.58	
		For >100 To 300, Add	0.79	
		For >1,000, Deduct	-0.58	
09 22 16 13-0012	SF	6" Width, 16" On Center, 20 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	8.06	1.01
		For Powder-Actuated Fasteners Every 2', Add	0.06	
		For Walls >10' High, Add	1.61	
		For Soffit, Columns Or Beams Up To 10' High, Add	2.83	
		For Soffit, Columns Or Beams >10' High, Add	3.59	
		For Horizontal Installation Up To 10' High, Add	1.19	
		For Horizontal Installation >10' High, Add	1.44	
		For Curved Wall, Add	0.76	
		For 12" On Center, Add	1.49	
		For 24" On Center, Deduct	-1.49	
		For Up To 100, Add	2.12	
		For >100 To 300, Add	1.06	
		For >1,000, Deduct	-0.96	

09 22 16 13-0013 18 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners (09 22 16 13)

09 22 16 13-0014	SF	2-1/2" Width, 16" On Center, 18 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	6.74	0.89
		For Powder-Actuated Fasteners Every 2', Add	0.06	
		For Walls >10' High, Add	1.35	
		For Soffit, Columns Or Beams Up To 10' High, Add	2.47	
		For Soffit, Columns Or Beams >10' High, Add	3.14	
		For Horizontal Installation Up To 10' High, Add	1.01	
		For Horizontal Installation >10' High, Add	1.23	
		For Curved Wall, Add	0.67	
		For 12" On Center, Add	1.24	
		For 24" On Center, Deduct	-1.24	
		For Up To 100, Add	1.80	
		For >100 To 300, Add	0.90	
		For >1,000, Deduct	-0.79	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 16 13-0015	SF		3-5/8" Width, 16" On Center, 18 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	7.52	0.94
			For Powder-Actuated Fasteners Every 2', Add	0.06	
			For Walls >10' High, Add	1.50	
			For Soffit, Columns Or Beams Up To 10' High, Add	2.64	
			For Soffit, Columns Or Beams >10' High, Add	3.35	
			For Horizontal Installation Up To 10' High, Add	1.11	
			For Horizontal Installation >10' High, Add	1.34	
			For Curved Wall, Add	0.71	
			For 12" On Center, Add	1.39	
			For 24" On Center, Deduct	-1.39	
			For Up To 100, Add	1.98	
			For >100 To 300, Add	0.99	
			For >1,000, Deduct	-0.89	
09 22 16 13-0016	SF		4" Width, 16" On Center, 18 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	8.10	0.98
			For Powder-Actuated Fasteners Every 2', Add	0.06	
			For Walls >10' High, Add	1.62	
			For Soffit, Columns Or Beams Up To 10' High, Add	2.79	
			For Soffit, Columns Or Beams >10' High, Add	3.53	
			For Horizontal Installation Up To 10' High, Add	1.18	
			For Horizontal Installation >10' High, Add	1.43	
			For Curved Wall, Add	0.74	
			For 12" On Center, Add	1.50	
			For 24" On Center, Deduct	-1.50	
			For Up To 100, Add	2.11	
			For >100 To 300, Add	1.06	
			For >1,000, Deduct	-0.97	
09 22 16 13-0017	SF		6" Width, 16" On Center, 18 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	10.90	1.03
			For Powder-Actuated Fasteners Every 2', Add	0.06	
			For Walls >10' High, Add	2.18	
			For Soffit, Columns Or Beams Up To 10' High, Add	3.17	
			For Soffit, Columns Or Beams >10' High, Add	3.95	
			For Horizontal Installation Up To 10' High, Add	1.48	
			For Horizontal Installation >10' High, Add	1.74	
			For Curved Wall, Add	0.78	
			For 12" On Center, Add	2.05	
			For 24" On Center, Deduct	-2.05	
			For Up To 100, Add	2.70	
			For >100 To 300, Add	1.35	
			For >1,000, Deduct	-1.38	
09 22 16 13-0018	SF		8" Width, 16" On Center, 18 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	11.92	1.10
			For Powder-Actuated Fasteners Every 2', Add	0.06	
			For Walls >10' High, Add	2.38	
			For Soffit, Columns Or Beams Up To 10' High, Add	3.37	
			For Soffit, Columns Or Beams >10' High, Add	4.18	
			For Horizontal Installation Up To 10' High, Add	1.60	
			For Horizontal Installation >10' High, Add	1.87	
			For Curved Wall, Add	0.82	
			For 12" On Center, Add	2.25	
			For 24" On Center, Deduct	-2.25	
			For Up To 100, Add	2.93	
			For >100 To 300, Add	1.46	
			For >1,000, Deduct	-1.52	
09 22 16 13-0019			16 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners (09 22 16 13)		
09 22 16 13-0020	SF		2-1/2" Width, 16" On Center, 16 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	7.20	0.91
			For Powder-Actuated Fasteners Every 2', Add	0.06	
			For Walls >10' High, Add	1.44	
			For Soffit, Columns Or Beams Up To 10' High, Add	2.56	
			For Soffit, Columns Or Beams >10' High, Add	3.25	
			For Horizontal Installation Up To 10' High, Add	1.07	
			For Horizontal Installation >10' High, Add	1.30	
			For Curved Wall, Add	0.69	
			For 12" On Center, Add	1.33	
			For 24" On Center, Deduct	-1.33	
			For Up To 100, Add	1.90	
			For >100 To 300, Add	0.95	
			For >1,000, Deduct	-0.85	
09 22 16 13-0021	SF		3-5/8" Width, 16" On Center, 16 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	8.63	0.96
			For Powder-Actuated Fasteners Every 2', Add	0.06	
			For Walls >10' High, Add	1.73	
			For Soffit, Columns Or Beams Up To 10' High, Add	2.79	
			For Soffit, Columns Or Beams >10' High, Add	3.51	
			For Horizontal Installation Up To 10' High, Add	1.22	
			For Horizontal Installation >10' High, Add	1.47	
			For Curved Wall, Add	0.72	
			For 12" On Center, Add	1.61	
			For 24" On Center, Deduct	-1.61	
			For Up To 100, Add	2.21	
			For >100 To 300, Add	1.10	
			For >1,000, Deduct	-1.05	

09 Finishes**09 20 Plaster and Gypsum Board****09 22 Supports for Plaster and Gypsum Board**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 22 16 13-0022	SF	4" Width, 16" On Center, 16 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	9.14	1.01
		<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.06	
		<i>For Walls >10' High, Add</i>	1.83	
		<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	2.94	
		<i>For Soffit, Columns Or Beams >10' High, Add</i>	3.70	
		<i>For Horizontal Installation Up To 10' High, Add</i>	1.29	
		<i>For Horizontal Installation >10' High, Add</i>	1.55	
		<i>For Curved Wall, Add</i>	0.76	
		<i>For 12" On Center, Add</i>	1.70	
		<i>For 24" On Center, Deduct</i>	-1.70	
		<i>For Up To 100, Add</i>	2.33	
		<i>For >100 To 300, Add</i>	1.17	
		<i>For >1,000, Deduct</i>	-1.12	
09 22 16 13-0023	SF	6" Width, 16" On Center, 16 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	11.84	1.07
		<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.06	
		<i>For Walls >10' High, Add</i>	2.37	
		<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	3.31	
		<i>For Soffit, Columns Or Beams >10' High, Add</i>	4.11	
		<i>For Horizontal Installation Up To 10' High, Add</i>	1.58	
		<i>For Horizontal Installation >10' High, Add</i>	1.85	
		<i>For Curved Wall, Add</i>	0.80	
		<i>For 12" On Center, Add</i>	2.24	
		<i>For 24" On Center, Deduct</i>	-2.24	
		<i>For Up To 100, Add</i>	2.90	
		<i>For >100 To 300, Add</i>	1.45	
		<i>For >1,000, Deduct</i>	-1.51	
09 22 16 13-0024	SF	8" Width, 16" On Center, 16 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	13.12	1.13
		<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.06	
		<i>For Walls >10' High, Add</i>	2.62	
		<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	3.55	
		<i>For Soffit, Columns Or Beams >10' High, Add</i>	4.39	
		<i>For Horizontal Installation Up To 10' High, Add</i>	1.73	
		<i>For Horizontal Installation >10' High, Add</i>	2.01	
		<i>For Curved Wall, Add</i>	0.84	
		<i>For 12" On Center, Add</i>	2.48	
		<i>For 24" On Center, Deduct</i>	-2.48	
		<i>For Up To 100, Add</i>	3.18	
		<i>For >100 To 300, Add</i>	1.59	
		<i>For >1,000, Deduct</i>	-1.69	

09 22 16 13-0025 Galvanized Steel Backing Plates (09 22 16 13)

Note: Used to attach fixtures, cabinets, shelves or handrails to metal stud walls.

09 22 16 13-0026	LF	3" Wide, 25 Gauge Galvanized Steel Backing Plate.....	1.62	
09 22 16 13-0027	LF	4" Wide, 25 Gauge Galvanized Steel Backing Plate.....	1.98	
09 22 16 13-0028	LF	6" Wide, 25 Gauge Galvanized Steel Backing Plate.....	2.53	
09 22 16 13-0029	LF	8" Wide, 25 Gauge Galvanized Steel Backing Plate.....	3.11	
09 22 16 13-0030	LF	10" Wide, 25 Gauge Galvanized Steel Backing Plate.....	3.66	
09 22 16 13-0031	LF	12" Wide, 25 Gauge Galvanized Steel Backing Plate.....	4.36	
09 22 16 13-0032	LF	3" Wide, 20 Gauge Galvanized Steel Backing Plate.....	2.08	
09 22 16 13-0033	LF	4" Wide, 20 Gauge Galvanized Steel Backing Plate.....	2.57	
09 22 16 13-0034	LF	6" Wide, 20 Gauge Galvanized Steel Backing Plate.....	3.42	
09 22 16 13-0035	LF	8" Wide, 20 Gauge Galvanized Steel Backing Plate.....	4.28	
09 22 16 13-0036	LF	10" Wide, 20 Gauge Galvanized Steel Backing Plate.....	5.15	
09 22 16 13-0037	LF	12" Wide, 20 Gauge Galvanized Steel Backing Plate.....	6.12	
09 22 16 13-0038	LF	3" Wide, 16 Gauge Galvanized Steel Backing Plate.....	2.82	
09 22 16 13-0039	LF	4" Wide, 16 Gauge Galvanized Steel Backing Plate.....	3.51	
09 22 16 13-0040	LF	6" Wide, 16 Gauge Galvanized Steel Backing Plate.....	4.76	
09 22 16 13-0041	LF	8" Wide, 16 Gauge Galvanized Steel Backing Plate.....	6.01	
09 22 16 13-0042	LF	10" Wide, 16 Gauge Galvanized Steel Backing Plate.....	7.36	
09 22 16 13-0043	LF	12" Wide, 16 Gauge Galvanized Steel Backing Plate.....	8.67	
09 22 16 13-0044	LF	3" Wide, 14 Gauge Galvanized Steel Backing Plate.....	3.33	
09 22 16 13-0045	LF	4" Wide, 14 Gauge Galvanized Steel Backing Plate.....	4.18	
09 22 16 13-0046	LF	6" Wide, 14 Gauge Galvanized Steel Backing Plate.....	5.76	
09 22 16 13-0047	LF	8" Wide, 14 Gauge Galvanized Steel Backing Plate.....	7.34	
09 22 16 13-0048	LF	10" Wide, 14 Gauge Galvanized Steel Backing Plate.....	9.03	
09 22 16 13-0049	LF	12" Wide, 14 Gauge Galvanized Steel Backing Plate.....	10.67	

09 22 36 Lath (09 22)**09 22 36 13 Gypsum Lath** (09 22 36)**09 22 36 13-0001 Plaster Base Gypsum Panels** (09 22 36 13)

09 22 36 13-0002	SF	3/8" Thick, Installed On Studs Or Furred Walls, Plaster Base Gypsum Panel.....	1.65	0.54
		<i>For Walls >10' High, Add</i>	0.14	
		<i>For Up To 100, Add</i>	0.55	
		<i>For >100 To 500, Add</i>	0.27	
		<i>For >5,000, Deduct</i>	-0.11	
09 22 36 13-0003	SF	1/2" Thick, Installed On Studs Or Furred Walls, Plaster Base Gypsum Panel.....	2.29	0.62
		<i>For Walls >10' High, Add</i>	0.16	
		<i>For Up To 100, Add</i>	0.63	
		<i>For >100 To 500, Add</i>	0.32	
		<i>For >5,000, Deduct</i>	-0.13	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 36 13-0004	SF	5/8" Thick, Installed On Studs Or Furred Walls, Plaster Base Gypsum Panel.....	2.93	0.72	
		For Walls >10' High, Add	0.18		
		For Up To 100, Add	0.72		
		For >100 To 500, Add	0.36		
		For >5,000, Deduct	-0.14		
09 22 36 13-0005	SF	3/8" Thick, Installed On Ceiling, Plaster Base Gypsum Panel.....	2.08	0.76	
		For Ceilings >10' High, Add	0.23		
		For Up To 100, Add	0.76		
		For >100 To 500, Add	0.38		
		For >5,000, Deduct	-0.15		
09 22 36 13-0006	SF	1/2" Thick, Installed On Ceiling, Plaster Base Gypsum Panel.....	2.79	0.87	
		For Ceilings >10' High, Add	0.26		
		For Up To 100, Add	0.88		
		For >100 To 500, Add	0.44		
		For >5,000, Deduct	-0.18		
09 22 36 13-0007	SF	5/8" Thick, Installed On Ceiling, Plaster Base Gypsum Panel.....	3.50	1.01	
		For Ceilings >10' High, Add	0.30		
		For Up To 100, Add	1.01		
		For >100 To 500, Add	0.50		
		For >5,000, Deduct	-0.20		
09 22 36 13-0008	SF	3/8" Thick, Installed On Columns And Beams, Plaster Base Gypsum Panel.....	2.52	0.97	
		For Columns And Beams >10' High, Add	0.29		
		For Up To 100, Add	0.98		
		For >100 To 500, Add	0.49		
		For >5,000, Deduct	-0.20		
09 22 36 13-0009	SF	1/2" Thick, Installed On Columns And Beams, Plaster Base Gypsum Panel.....	3.29	1.13	
		For Columns And Beams >10' High, Add	0.34		
		For Up To 100, Add	1.13		
		For >100 To 500, Add	0.57		
		For >5,000, Deduct	-0.23		
09 22 36 13-0010	SF	5/8" Thick, Installed On Columns And Beams, Plaster Base Gypsum Panel.....	4.07	1.31	
		For Columns And Beams >10' High, Add	0.39		
		For Up To 100, Add	1.29		
		For >100 To 500, Add	0.65		
		For >5,000, Deduct	-0.26		
09 22 36 13-0011 Firestop Plaster Base Gypsum Panels (09 22 36 13)					
09 22 36 13-0012	SF	3/8" Thick, Installed On Studs Or Furred Walls, Firestop Plaster Base Gypsum Panel.....	2.32	0.54	
		For Walls >10' High, Add	0.14		
		For Up To 100, Add	0.55		
		For >100 To 500, Add	0.27		
		For >5,000, Deduct	-0.11		
09 22 36 13-0013	SF	1/2" Thick, Installed On Studs Or Furred Walls, Firestop Plaster Base Gypsum Panel.....	2.70	0.62	
		For Walls >10' High, Add	0.16		
		For Up To 100, Add	0.63		
		For >100 To 500, Add	0.32		
		For >5,000, Deduct	-0.13		
09 22 36 13-0014	SF	3/8" Thick, Installed On Ceilings, Firestop Plaster Base Gypsum Panel.....	2.75	0.76	
		For Ceilings >10' High, Add	0.23		
		For Up To 100, Add	0.76		
		For >100 To 500, Add	0.38		
		For >5,000, Deduct	-0.15		
09 22 36 13-0015	SF	1/2" Thick, Installed On Ceilings, Firestop Plaster Base Gypsum Panel.....	3.20	0.87	
		For Ceilings >10' High, Add	0.26		
		For Up To 100, Add	0.88		
		For >100 To 500, Add	0.44		
		For >5,000, Deduct	-0.18		
09 22 36 13-0016	SF	3/8" Thick, Installed On Columns And Beams, Firestop Plaster Base Gypsum Panel.....	3.19	0.97	
		For Columns And Beams >10' High, Add	0.29		
		For Up To 100, Add	0.98		
		For >100 To 500, Add	0.49		
		For >5,000, Deduct	-0.20		
09 22 36 13-0017	SF	1/2" Thick, Installed On Columns And Beams, Firestop Plaster Base Gypsum Panel.....	3.70	1.13	
		For Columns And Beams >10' High, Add	0.34		
		For Up To 100, Add	1.13		
		For >100 To 500, Add	0.57		
		For >5,000, Deduct	-0.23		
09 22 36 13-0018 Foil Back Plaster Base Gypsum Panels (09 22 36 13)					
09 22 36 13-0019	SF	3/8" Thick, Installed On Studs Or Furred Walls, Foil Back Plaster Base Gypsum Panel.....	2.32	0.54	
		For Walls >10' High, Add	0.14		
		For Up To 100, Add	0.55		
		For >100 To 500, Add	0.27		
		For >5,000, Deduct	-0.11		
09 22 36 13-0020	SF	1/2" Thick, Installed On Studs Or Furred Walls, Foil Back Plaster Base Gypsum Panel.....	2.70	0.62	
		For Walls >10' High, Add	0.16		
		For Up To 100, Add	0.63		
		For >100 To 500, Add	0.32		
		For >5,000, Deduct	-0.13		
09 22 36 13-0021	SF	3/8" Thick, Installed On Ceiling, Foil Back Plaster Base Gypsum Panel.....	2.75	0.76	
		For Ceilings >10' High, Add	0.23		
		For Up To 100, Add	0.76		
		For >100 To 500, Add	0.38		
		For >5,000, Deduct	-0.15		

09 Finishes**09 20 Plaster and Gypsum Board****09 22 Supports for Plaster and Gypsum Board**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 22 36 13-0022	SF	1/2" Thick, Installed On Ceiling, Foil Back Plaster Base Gypsum Panel.....	3.20	0.87
		For Ceilings >10' High, Add	0.26	
		For Up To 100, Add	0.88	
		For >100 To 500, Add	0.44	
		For >5,000, Deduct	-0.18	
09 22 36 13-0023	SF	3/8" Thick, Installed On Columns And Beams, Foil Back Plaster Base Gypsum Panel.....	3.19	0.97
		For Columns And Beams >10' High, Add	0.29	
		For Up To 100, Add	0.98	
		For >100 To 500, Add	0.49	
		For >5,000, Deduct	-0.20	
09 22 36 13-0024	SF	1/2" Thick, Installed On Columns And Beams, Foil Back Plaster Base Gypsum Panel.....	3.70	1.13
		For Columns And Beams >10' High, Add	0.34	
		For Up To 100, Add	1.13	
		For >100 To 500, Add	0.57	
		For >5,000, Deduct	-0.23	

09 22 36 23 Metal Lath (09 22 36 23)**09 22 36 23-0001 Flat Diamond, Expanded Metal Lath (09 22 36 23)**

09 22 36 23-0002	SF	1.75 Lb./SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath.....	2.75	0.75
		For Walls >10' High, Add	0.21	
		For Paper Backed Lath, Add	0.06	
		For Up To 100, Add	0.84	
		For >100 To 500, Add	0.42	
		For >5,000, Deduct	-0.17	
09 22 36 23-0003	SF	2 Lb./SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath.....	2.88	0.75
		For Walls >10' High, Add	0.21	
		For Paper Backed Lath, Add	0.06	
		For Up To 100, Add	0.84	
		For >100 To 500, Add	0.42	
		For >5,000, Deduct	-0.17	
09 22 36 23-0004	SF	2.5 Lb./SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath.....	3.01	0.75
		For Walls >10' High, Add	0.21	
		For Paper Backed Lath, Add	0.06	
		For Up To 100, Add	0.84	
		For >100 To 500, Add	0.42	
		For >5,000, Deduct	-0.17	
09 22 36 23-0005	SF	3.4 Lb./SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath.....	3.46	0.80
		For Walls >10' High, Add	0.22	
		For Paper Backed Lath, Add	0.06	
		For Up To 100, Add	0.90	
		For >100 To 500, Add	0.45	
		For >5,000, Deduct	-0.18	
09 22 36 23-0006	SF	1.75 Lb./SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath.....	2.99	0.85
		For Ceilings >10' High, Add	0.29	
		For Paper Backed Lath, Add	0.06	
		For Up To 100, Add	0.96	
		For >100 To 500, Add	0.48	
		For >5,000, Deduct	-0.19	
09 22 36 23-0007	SF	2 Lb./SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath.....	3.12	0.85
		For Ceilings >10' High, Add	0.29	
		For Paper Backed Lath, Add	0.06	
		For Up To 100, Add	0.96	
		For >100 To 500, Add	0.48	
		For >5,000, Deduct	-0.19	
09 22 36 23-0008	SF	2.5 Lb./SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath.....	3.25	0.85
		For Ceilings >10' High, Add	0.29	
		For Paper Backed Lath, Add	0.06	
		For Up To 100, Add	0.96	
		For >100 To 500, Add	0.48	
		For >5,000, Deduct	-0.19	
09 22 36 23-0009	SF	3.4 Lb./SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath.....	3.59	0.85
		For Ceilings >10' High, Add	0.29	
		For Paper Backed Lath, Add	0.06	
		For Up To 100, Add	0.96	
		For >100 To 500, Add	0.48	
		For >5,000, Deduct	-0.19	
09 22 36 23-0010	SF	1.75 Lb./SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath.....	3.95	1.21
		For Columns And Beams >10' High, Add	0.40	
		For Paper Backed Lath, Add	0.06	
		For Up To 100, Add	1.34	
		For >100 To 500, Add	0.67	
		For >5,000, Deduct	-0.27	
09 22 36 23-0011	SF	2 Lb./SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath.....	4.08	1.21
		For Columns And Beams >10' High, Add	0.40	
		For Paper Backed Lath, Add	0.06	
		For Up To 100, Add	1.34	
		For >100 To 500, Add	0.67	
		For >5,000, Deduct	-0.27	
09 22 36 23-0012	SF	2.5 Lb./SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath.....	4.21	1.21
		For Columns And Beams >10' High, Add	0.40	
		For Paper Backed Lath, Add	0.06	
		For Up To 100, Add	1.34	
		For >100 To 500, Add	0.67	
		For >5,000, Deduct	-0.27	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 36 23-0013	SF		3.4 Lb./SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath	5.23	1.52
			For Columns And Beams >10' High, Add	0.50	
			For Paper Backed Lath, Add	0.06	
			For Up To 100, Add	1.68	
			For >100 To 500, Add	0.84	
			For >5,000, Deduct	-0.34	
09 22 36 23-0014 Self-Furring, Flat Diamond, Expanded Metal Lath (09 22 36 23)					
09 22 36 23-0015	SF		1.75 Lb./SY, Installed On Solid Wall Surface, Self-Furring, Flat Diamond, Expanded Metal Lath	2.86	0.80
			For Walls >10' High, Add	0.22	
			For Paper Backed Lath, Add	0.06	
			For Up To 100, Add	0.90	
			For >100 To 500, Add	0.45	
			For >5,000, Deduct	-0.18	
09 22 36 23-0016	SF		2.0 Lb./SY, Installed On Solid Wall Surface, Self-Furring, Flat Diamond, Expanded Metal Lath	2.99	0.80
			For Walls >10' High, Add	0.22	
			For Paper Backed Lath, Add	0.06	
			For Up To 100, Add	0.90	
			For >100 To 500, Add	0.45	
			For >5,000, Deduct	-0.18	
09 22 36 23-0017	SF		2.5 Lb./SY, Installed On Solid Wall Surface, Self-Furring, Flat Diamond, Expanded Metal Lath	3.12	0.80
			For Walls >10' High, Add	0.22	
			For Paper Backed Lath, Add	0.06	
			For Up To 100, Add	0.90	
			For >100 To 500, Add	0.45	
			For >5,000, Deduct	-0.18	
09 22 36 23-0018	SF		3.4 Lb./SY, Installed On Solid Wall Surface, Self-Furring, Flat Diamond, Expanded Metal Lath	3.46	0.80
			For Walls >10' High, Add	0.22	
			For Paper Backed Lath, Add	0.06	
			For Up To 100, Add	0.90	
			For >100 To 500, Add	0.45	
			For >5,000, Deduct	-0.18	
09 22 36 23-0019	SF		1.75 Lb./SY, Installed On Columns And Beams, Self-Furring, Flat Diamond, Expanded Metal Lath	4.63	1.52
			For Columns And Beams >10' High, Add	0.50	
			For Paper Backed Lath, Add	0.06	
			For Up To 100, Add	1.68	
			For >100 To 500, Add	0.84	
			For >5,000, Deduct	-0.34	
09 22 36 23-0020	SF		2.0 Lb./SY, Installed On Columns And Beams, Self-Furring, Flat Diamond, Expanded Metal Lath	4.76	1.52
			For Columns And Beams >10' High, Add	0.50	
			For Paper Backed Lath, Add	0.06	
			For Up To 100, Add	1.68	
			For >100 To 500, Add	0.84	
			For >5,000, Deduct	-0.34	
09 22 36 23-0021	SF		2.5 Lb./SY, Installed On Columns And Beams, Self-Furring, Flat Diamond, Expanded Metal Lath	4.89	1.52
			For Columns And Beams >10' High, Add	0.50	
			For Paper Backed Lath, Add	0.06	
			For Up To 100, Add	1.68	
			For >100 To 500, Add	0.84	
			For >5,000, Deduct	-0.34	
09 22 36 23-0022	SF		3.4 Lb./SY, Installed On Columns And Beams, Self-Furring, Flat Diamond, Expanded Metal Lath	5.70	1.73
			For Columns And Beams >10' High, Add	0.57	
			For Paper Backed Lath, Add	0.06	
			For Up To 100, Add	1.92	
			For >100 To 500, Add	0.96	
			For >5,000, Deduct	-0.38	
09 22 36 23-0023 High Rib Metal Lath (09 22 36 23)					
09 22 36 23-0024	SF		2.75 Lb./SY, Installed On Ceiling, 1/8" High Rib Metal Lath	3.36	0.85
			For Ceilings >10' High, Add	0.29	
			For Up To 100, Add	0.96	
			For >100 To 500, Add	0.48	
			For >5,000, Deduct	-0.19	
09 22 36 23-0025	SF		3.4 Lb./SY, Installed On Ceiling, 1/8" High Rib Metal Lath	3.55	0.85
			For Ceilings >10' High, Add	0.29	
			For Up To 100, Add	0.96	
			For >100 To 500, Add	0.48	
			For >5,000, Deduct	-0.19	
09 22 36 23-0026	SF		3.4 Lb./SY, Installed On Ceiling, 3/8" High Rib Metal Lath	3.67	0.85
			For Ceilings >10' High, Add	0.29	
			For Up To 100, Add	0.96	
			For >100 To 500, Add	0.48	
			For >5,000, Deduct	-0.19	
09 22 36 23-0027	SF		4.0 Lb./SY, Installed On Ceiling, 3/8" High Rib Metal Lath	3.89	0.85
			For Ceilings >10' High, Add	0.29	
			For Up To 100, Add	0.96	
			For >100 To 500, Add	0.48	
			For >5,000, Deduct	-0.19	
09 22 36 33 Fiberglass Lath (09 22 36)					
09 22 36 33-0001 Non-Metallic, Fiberglass Lath (09 22 36 33)					
09 22 36 33-0002	SF		1/8" Thick, Installed On Ceiling, Non-Metallic, Fiberglass Lath	3.66	0.85
			For Ceilings >10' High, Add	0.29	
			For Up To 100, Add	0.96	
			For >100 To 500, Add	0.48	
			For >5,000, Deduct	-0.19	

09 Finishes**09 20 Plaster and Gypsum Board****09 22 Supports for Plaster and Gypsum Board**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
09 22 36 33-0003	SF	1/4" Thick, Installed On Ceiling, Non-Metallic, Fiberglass Lath.....	3.92	0.85
		For Ceilings >10' High, Add	0.29	
		For Up To 100, Add	0.96	
		For >100 To 500, Add	0.48	
		For >5,000, Deduct	-0.19	
09 22 36 33-0004	SF	1/8" Thick, Installed On Solid Wall Surface, Non-Metallic, Fiberglass Lath	3.53	0.80
		For Walls >10' High, Add	0.22	
		For Up To 100, Add	0.90	
		For >100 To 500, Add	0.45	
		For >5,000, Deduct	-0.18	
09 22 36 33-0005	SF	1/4" Thick, Installed On Solid Wall Surface, Non-Metallic, Fiberglass Lath	3.79	0.80
		For Walls >10' High, Add	0.22	
		For Up To 100, Add	0.90	
		For >100 To 500, Add	0.45	
		For >5,000, Deduct	-0.18	

09 23 Gypsum Plastering (09 20)**09 23 13 Acoustical Gypsum Plastering** (09 23)

Note: Excludes lath, furring and studs. See CSI section 09 22 00 00-0000 for metal studs and furring, 09 22 36 00-0000 for lath.

09 23 13 00-0001 Casing And Corner Beads (09 23 13)

09 23 13 00-0002	LF	Galvanized Expanded Flange Casing Bead For Plaster Applications.....	5.00	1.21
09 23 13 00-0003	LF	Zinc Expanded Flange Casing Bead For Plaster Applications.....	5.01	1.21
09 23 13 00-0004	LF	Vinyl Expanded Flange Casing Bead For Plaster Applications.....	5.16	1.21
09 23 13 00-0005	LF	Galvanized Corner Bead For Plaster Applications.....	4.80	1.21
09 23 13 00-0006	LF	Vinyl Corner Bead For Plaster Applications.....	4.77	1.21

09 23 13 00-0007 Trim (09 23 13)

09 23 13 00-0008	LF	Galvanized "J" Trim For Plaster Applications.....	5.50	1.21
		For Vinyl Instead Of Galvanized, Add	0.37	
		For Zinc Instead Of Galvanized, Add	2.47	
09 23 13 00-0009	LF	Galvanized "L" Trim For Plaster Applications	5.50	1.21
		For Vinyl Instead Of Galvanized, Add	0.37	
		For Zinc Instead Of Galvanized, Add	2.47	
09 23 13 00-0010	LF	Galvanized "U" Trim For Plaster Applications.....	5.50	1.21
		For Vinyl Instead Of Galvanized, Add	0.37	
		For Zinc Instead Of Galvanized, Add	2.47	

09 23 13 00-0011 Plaster Forms And Expansion Joints (09 23 13)

09 23 13 00-0012	LF	3/4" Galvanized Expansion Joint For Plaster Applications.....	5.93	1.21
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09 23 13 00-0013 One Skim Coat Gypsum Plaster On Walls (09 23 13)

09 23 13 00-0014	SF	Skim Coat One Coat Gypsum Plaster On Walls	1.42	
		For Walls >10' High, Add	0.12	
		For Horizontal Installation Up To 10' High, Add	0.18	
		For Horizontal Installation >10' High, Add	0.37	
		For Columns Or Beams Up To 10' High, Add	0.38	
		For Columns Or Beams >10' High, Add	0.57	
		For Up To 100, Add	0.62	
		For >100 To 500, Add	0.31	
		For >5,000, Deduct	-0.25	
09 23 13 00-0015	SF	For Each Additional Coat Over One, Skim Coat Gypsum Plaster On Walls.....	1.04	
		For Walls >10' High, Add	0.09	
		For Horizontal Installation Up To 10' High, Add	0.13	
		For Horizontal Installation >10' High, Add	0.27	
		For Columns Or Beams Up To 10' High, Add	0.28	
		For Columns Or Beams >10' High, Add	0.41	
		For Up To 100, Add	0.45	
		For >100 To 500, Add	0.22	
		For >5,000, Deduct	-0.18	

09 23 13 00-0016 Two Coats Gypsum Plaster On Walls (09 23 13)

09 23 13 00-0017	SF	Smooth Finish Two Coats Gypsum Plaster On Walls.....	7.12	4.10
		For Walls >10' High, Add	0.68	
		For Horizontal Installation Up To 10' High, Add	1.01	
		For Horizontal Installation >10' High, Add	2.03	
		For Columns Or Beams Up To 10' High, Add	2.10	
		For Columns Or Beams >10' High, Add	3.11	
		For Up To 100, Add	3.38	
		For >100 To 500, Add	1.69	
		For >5,000, Deduct	-1.35	
09 23 13 00-0018	SF	Sand Aggregate Two Coats Gypsum Plaster On Walls.....	7.17	3.88
		For Walls >10' High, Add	0.63	
		For Horizontal Installation Up To 10' High, Add	0.95	
		For Horizontal Installation >10' High, Add	1.90	
		For Columns Or Beams Up To 10' High, Add	1.97	
		For Columns Or Beams >10' High, Add	2.92	
		For Up To 100, Add	3.17	
		For >100 To 500, Add	1.59	
		For >5,000, Deduct	-1.27	

Cal Poly Humboldt.		Finishes 09		09
		Plaster and Gypsum Board 09 20		
		Gypsum Plastering 09 23		
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
		UNIT COST	UNIT COST	
09 23 13 00-0019	SF Perlite Or Vermiculite Two Coats Gypsum Plaster On Walls.....	7.28	3.88	
	For Walls >10' High, Add	0.63		
	For Horizontal Installation Up To 10' High, Add	0.95		
	For Horizontal Installation >10' High, Add	1.90		
	For Columns Or Beams Up To 10' High, Add	1.97		
	For Columns Or Beams >10' High, Add	2.92		
	For Up To 100, Add	3.17		
	For >100 To 500, Add	1.59		
	For >5,000, Deduct	-1.27		
09 23 13 00-0020	Three Coats Gypsum Plaster On Walls (09 23 13)			
09 23 13 00-0021	SF Smooth Finish Three Coats Gypsum Plaster On Walls.....	8.59	4.98	
	For Walls >10' High, Add	0.81		
	For Horizontal Installation Up To 10' High, Add	1.21		
	For Horizontal Installation >10' High, Add	2.42		
	For Columns Or Beams Up To 10' High, Add	2.50		
	For Columns Or Beams >10' High, Add	3.71		
	For Up To 100, Add	4.04		
	For >100 To 500, Add	2.02		
	For >5,000, Deduct	-1.61		
09 23 13 00-0022	SF Sand Aggregate Three Coats Gypsum Plaster On Walls.....	8.48	4.55	
	For Walls >10' High, Add	0.75		
	For Horizontal Installation Up To 10' High, Add	1.12		
	For Horizontal Installation >10' High, Add	2.25		
	For Columns Or Beams Up To 10' High, Add	2.32		
	For Columns Or Beams >10' High, Add	3.45		
	For Up To 100, Add	3.75		
	For >100 To 500, Add	1.87		
	For >5,000, Deduct	-1.50		
09 23 13 00-0023	SF Perlite Or Vermiculite Three Coats Gypsum Plaster On Walls.....	8.08	4.55	
	For Walls >10' High, Add	0.75		
	For Horizontal Installation Up To 10' High, Add	1.12		
	For Horizontal Installation >10' High, Add	2.24		
	For Columns Or Beams Up To 10' High, Add	2.31		
	For Columns Or Beams >10' High, Add	3.43		
	For Up To 100, Add	3.73		
	For >100 To 500, Add	1.86		
	For >5,000, Deduct	-1.49		
09 23 13 00-0024	Plaster Bonding Agent (09 23 13)			
09 23 13 00-0025	SF 1 Coat, Brush/Roller Applied Plaster Bonding Agent.....	0.84		
	For Walls >10' High, Add	0.06		
	For Columns Or Beams Up To 10' High, Add	0.20		
	For Columns Or Beams >10' High, Add	0.29		
	For Ceiling Application Up To 10' High, Add	0.09		
	For Ceiling Application >10' High, Add	0.15		
09 24	Cement Plastering (09 20)			
09 24 13	Acoustical Cement Plastering (09 24)			
09 24 13 00-0001	Keene's Cement Plaster, Quick Setting, White Hard Plaster (09 24 13)			
	Note: Used for areas with higher than normal moisture.			
09 24 13 00-0002	SF 1 Coat Keene's Cement Plaster On Walls.....	5.41	2.77	
	For Walls >10' High, Add	0.44		
	For Horizontal Installation Up To 10' High, Add	0.67		
	For Horizontal Installation >10' High, Add	1.33		
	For Columns Or Beams Up To 10' High, Add	1.38		
	For Columns Or Beams >10' High, Add	2.04		
	For Up To 100, Add	2.22		
	For >100 To 500, Add	1.11		
	For >5,000, Deduct	-0.89		
09 24 13 00-0003	SF 2 Coat Keene's Cement Plaster On Walls.....	8.24	4.32	
	For Walls >10' High, Add	0.70		
	For Horizontal Installation Up To 10' High, Add	1.05		
	For Horizontal Installation >10' High, Add	2.11		
	For Columns Or Beams Up To 10' High, Add	2.18		
	For Columns Or Beams >10' High, Add	3.23		
	For Up To 100, Add	3.51		
	For >100 To 500, Add	1.76		
	For >5,000, Deduct	-1.40		
09 24 13 00-0004	SF 3 Coat Keene's Cement Plaster On Walls.....	9.33	4.87	
	For Walls >10' High, Add	0.79		
	For Horizontal Installation Up To 10' High, Add	1.19		
	For Horizontal Installation >10' High, Add	2.38		
	For Columns Or Beams Up To 10' High, Add	2.46		
	For Columns Or Beams >10' High, Add	3.65		
	For Up To 100, Add	3.97		
	For >100 To 500, Add	1.99		
	For >5,000, Deduct	-1.59		
09 24 23	Cement Stucco (09 24)			
	Note: Packaged product reinforced with fibers. All plastering excludes lath, furring or studs except as noted. See CSI section 09 22 00 00-0000 for metal studs and furring.			
09 24 23 00-0001	Stucco (09 24 23)			
	Note: Excludes wall scaffolding or lifting equipment.			

09 Finishes**09 20 Plaster and Gypsum Board****09 24 Cement Plastering**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 24 23 00-0002	SF	Scratch/Brown/Finish, Three Coat Troweled Stucco	10.54	3.44
		Note: Excludes lath and felt. Interior or exterior, one side.		
		For Walls >10' High, Add	0.94	
		For Horizontal Installation Up To 10' High, Add	1.41	
		For Horizontal Installation >10' High, Add	2.82	
		For Columns Or Beams Up To 10' High, Add	2.91	
		For Columns Or Beams >10' High, Add	4.32	
		For Color Added To Finish Coat, Add	0.15	
		For Smooth Float Finish, Add	1.97	
		For Up To 100, Add	4.70	
		For >100 To 500, Add	2.35	
		For >5,000, Deduct	-1.88	
09 24 23 00-0003	SF	Scratch/Brown, Two Coat Troweled Stucco.....	4.45	1.66
		Note: Excludes lath and felt. Interior or exterior, one side.		
		For Walls >10' High, Add	0.34	
		For Horizontal Installation Up To 10' High, Add	0.52	
		For Horizontal Installation >10' High, Add	1.03	
		For Columns Or Beams Up To 10' High, Add	1.07	
		For Columns Or Beams >10' High, Add	1.58	
		For Up To 100, Add	1.72	
		For >100 To 500, Add	0.86	
		For >5,000, Deduct	-0.69	
09 24 23 00-0004	SF	Scratch/Finish, Two Coat Troweled Stucco	6.93	1.66
		Note: Excludes lath and felt. Interior or exterior, one side.		
		For Walls >10' High, Add	0.61	
		For Horizontal Installation Up To 10' High, Add	0.91	
		For Horizontal Installation >10' High, Add	1.83	
		For Columns Or Beams Up To 10' High, Add	1.89	
		For Columns Or Beams >10' High, Add	2.80	
		For Color Added To Finish Coat, Add	0.15	
		For Smooth Float Finish, Add	1.67	
		For Up To 100, Add	3.05	
		For >100 To 500, Add	1.52	
		For >5,000, Deduct	-1.22	
09 24 23 00-0005	SF	Finish Coat Troweled Stucco	4.58	1.11
		Note: Excludes lath and felt. Interior or exterior, one side.		
		For Walls >10' High, Add	0.44	
		For Horizontal Installation Up To 10' High, Add	0.67	
		For Horizontal Installation >10' High, Add	1.33	
		For Columns Or Beams Up To 10' High, Add	1.38	
		For Columns Or Beams >10' High, Add	2.04	
		For Color Added To Finish Coat, Add	0.15	
		For Smooth Float Finish, Add	1.68	
		For Up To 100, Add	2.22	
		For >100 To 500, Add	1.11	
		For >5,000, Deduct	-0.89	

09 24 33 Cement Parging (09 24)

09 24 33 00-0001		Cement Parging (09 24 33)		
09 24 33 00-0002	SF	1/8" Thick Sand And Cement Parging	4.07	
09 24 33 00-0003	SF	1/4" Thick Sand And Cement Parging	5.19	
09 24 33 00-0004	SF	1/2" Thick Sand And Cement Parging	7.93	

09 28 Backing Boards and Underlayments (09 28)**09 28 13 Cementitious Backing Boards (09 28)**

09 28 13 00-0001		Cementitious Backer Units (09 28 13)		
		Note: Installed with mechanical fasteners to floor, wall and ceiling surfaces. Use thin-set from setting methods section for floor installations as applicable.		
09 28 13 00-0002	SF	1/4" Cementitious Backer Units For Installation On Floors	4.38	0.80
		For Up To 50, Add	3.50	
		For >50 To 250, Add	0.64	
		For >1,000, Deduct	-0.32	
		For Installation On Wall, Add	0.64	
		For Installation On Ceiling, Add	1.61	
09 28 13 00-0003	SF	1/2" Cementitious Backer Units For Installation On Floors	5.06	0.97
		For Up To 50, Add	4.15	
		For >50 To 250, Add	0.77	
		For >1,000, Deduct	-0.39	
		For Installation On Wall, Add	0.77	
		For Installation On Ceiling, Add	1.93	
09 28 13 00-0004	SF	5/8" Cementitious Backer Units For Installation On Floors	6.20	1.13
		For Up To 50, Add	4.93	
		For >50 To 250, Add	0.90	
		For >1,000, Deduct	-0.45	
		For Installation On Wall, Add	0.90	
		For Installation On Ceiling, Add	2.25	

09 28 16 Glass-Mat Faced Gypsum Backing Boards (09 28)

09 28 16 00-0001		Glass Mat Faced Backer Units, DensShield (09 28 16)		
		Note: Installed with mechanical fasteners to floor, wall and ceiling surfaces. Use thin-set from setting methods section for floor installations as applicable.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 28 16 00-0002	SF	1/2"	DensShield Tile Backer For Installation On Floors.....	3.78	0.90
			For Up To 50, Add	2.68	
			For >50 To 250, Add	0.46	
			For >1,000, Deduct	-0.23	
			For Installation On Wall, Add	0.46	
			For Installation On Ceiling, Add	1.16	
09 28 16 00-0003	SF	5/8"	DensShield Tile Backer For Installation On Floors.....	4.43	1.03
			For Up To 50, Add	3.04	
			For >50 To 250, Add	0.51	
			For >1,000, Deduct	-0.26	
			For Installation On Wall, Add	0.51	
			For Installation On Ceiling, Add	1.29	

09 29 Gypsum Board (09 20)

Note: Do not deduct for opens of less than 25 SF when calculating total wall square footage.

09 29 10 Gypsum Board (09 29)

09 29 10 00-0001 Standard Gypsum Board Application (09 29 10)

Note: Includes gypsum board screwed in place on walls, ceilings, beams, columns, soffits, etc. Excludes finishing. See CSI section 09 01 20 91-0001 for small repairs, 09 29 10 00-0036 for finishing gypsum board, 09 29 10 00-0049 for casing and corner bead.

09 29 10 00-0002 Standard Gypsum Board Application (09 29 10 00-0001)

09 29 10 00-0003	SF	1/4"	Gypsum Board.....	1.49	0.51
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.24	
			For Adhesive Applied Sheets, Add	0.11	
			Note: Includes bracing until adhesive is bonded		
			For Horizontal Installation Up To 10' High, Add	0.35	
			For Horizontal Installation >10' High, Add	0.52	
			For Walls >10' High, Add	0.08	
			For Up To 128, Add	0.50	
			For >128 To 320, Add	0.30	
			For >1,536, Deduct	-0.12	
09 29 10 00-0004	SF	3/8"	Gypsum Board.....	1.62	0.57
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.27	
			For Adhesive Applied Sheets, Add	0.12	
			Note: Includes bracing until adhesive is bonded		
			For Foil Back Board, Add	0.10	
			For Horizontal Installation Up To 10' High, Add	0.39	
			For Horizontal Installation >10' High, Add	0.58	
			For Walls >10' High, Add	0.09	
			For Up To 128, Add	0.56	
			For >128 To 320, Add	0.34	
			For >1,536, Deduct	-0.13	
09 29 10 00-0005	SF	1/2"	Gypsum Board.....	1.79	0.66
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.31	
			For Adhesive Applied Sheets, Add	0.13	
			Note: Includes bracing until adhesive is bonded		
			For Foil Back Board, Add	0.10	
			For Horizontal Installation Up To 10' High, Add	0.45	
			For Horizontal Installation >10' High, Add	0.67	
			For Walls >10' High, Add	0.11	
			For Up To 128, Add	0.62	
			For >128 To 320, Add	0.38	
			For >1,536, Deduct	-0.14	
09 29 10 00-0006	SF	5/8"	Gypsum Board.....	2.10	0.76
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.36	
			For Adhesive Applied Sheets, Add	0.14	
			Note: Includes bracing until adhesive is bonded		
			For Foil Back Board, Add	0.10	
			For Horizontal Installation Up To 10' High, Add	0.52	
			For Horizontal Installation >10' High, Add	0.77	
			For Walls >10' High, Add	0.12	
			For Up To 128, Add	0.73	
			For >128 To 320, Add	0.44	
			For >1,536, Deduct	-0.16	

09 29 10 00-0007 Fire Rated Gypsum Board Application (09 29 10 00-0001)

09 29 10 00-0008 Type X, Fire Rated Gypsum Board (09 29 10 00-0007)

09 29 10 00-0009	SF	5/8"	Type X Fire Rated Gypsum Board.....	2.24	0.76
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.39	
			For Adhesive Applied Sheets, Add	0.14	
			Note: Includes bracing until adhesive is bonded		
			For Foil Back Board, Add	0.10	
			For Horizontal Installation Up To 10' High, Add	0.57	
			For Horizontal Installation >10' High, Add	0.84	
			For Walls >10' High, Add	0.13	
			For Up To 128, Add	0.78	
			For >128 To 320, Add	0.48	
			For >1,536, Deduct	-0.17	

09 29 10 00-0010 Type C, Fire Rated Gypsum Board (09 29 10 00-0007)

09 Finishes**09 20 Plaster and Gypsum Board****09 29 Gypsum Board**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
09 29 10 00-0011	SF 1/2" Type C Fire Rated Gypsum Board	2.05		0.66
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.34		
	For Adhesive Applied Sheets, Add	0.13		
	Note: Includes bracing until adhesive is bonded			
	For Foil Back Board, Add	0.10		
	For Horizontal Installation Up To 10' High, Add	0.50		
	For Horizontal Installation >10' High, Add	0.73		
	For Walls >10' High, Add	0.12		
	For Up To 128, Add	0.70		
	For >128 To 320, Add	0.42		
	For >1,536, Deduct	-0.16		
09 29 10 00-0012	SF 5/8" Type C Fire Rated Gypsum Board	2.31		0.76
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.39		
	For Adhesive Applied Sheets, Add	0.14		
	Note: Includes bracing until adhesive is bonded			
	For Foil Back Board, Add	0.10		
	For Horizontal Installation Up To 10' High, Add	0.57		
	For Horizontal Installation >10' High, Add	0.84		
	For Walls >10' High, Add	0.13		
	For Up To 128, Add	0.80		
	For >128 To 320, Add	0.48		
	For >1,536, Deduct	-0.18		
09 29 10 00-0013	Fire Rated Gypsum Board (Sheetrock® Ultracode®) (09 29 10 00-0007)	3.10		0.76
09 29 10 00-0014	SF 3/4" Fire Rated Gypsum Board (Sheetrock® Ultracode®)	0.40		
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.14		
	For Adhesive Applied Sheets, Add			
	Note: Includes bracing until adhesive is bonded			
	For Horizontal Installation Up To 10' High, Add	0.57		
	For Horizontal Installation >10' High, Add	0.84		
	For Walls >10' High, Add	0.13		
	For Up To 128, Add	0.96		
	For >128 To 320, Add	0.56		
	For >1,536, Deduct	-0.30		
09 29 10 00-0015	Moisture Resistant Gypsum Board Application (09 29 10 00-0001)	1.94		0.66
	Note: Water-resistant gypsum core.			
09 29 10 00-0016	SF 1/2" Moisture Resistant Gypsum Board	0.31		
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.13		
	For Adhesive Applied Sheets, Add			
	Note: Includes bracing until adhesive is bonded			
	For Horizontal Installation Up To 10' High, Add	0.45		
	For Horizontal Installation >10' High, Add	0.67		
	For Walls >10' High, Add	0.11		
	For Up To 128, Add	0.65		
	For >128 To 320, Add	0.39		
	For >1,536, Deduct	-0.16		
09 29 10 00-0017	SF 5/8" Moisture Resistant Gypsum Board	2.50		0.66
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.36		
	For Adhesive Applied Sheets, Add	0.14		
	Note: Includes bracing until adhesive is bonded			
	For Horizontal Installation Up To 10' High, Add	0.52		
	For Horizontal Installation >10' High, Add	0.77		
	For Walls >10' High, Add	0.12		
	For Up To 128, Add	0.81		
	For >128 To 320, Add	0.48		
	For >1,536, Deduct	-0.22		
09 29 10 00-0018	Vinyl Faced Gypsum Board Application (09 29 10 00-0001)	3.83		0.51
	Note: Includes clips and adhesive.			
09 29 10 00-0019	SF 3/8" Prefinished, Vinyl Faced Gypsum Board	0.29		
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.12		
	For Adhesive Applied Sheets, Add			
	Note: Includes bracing until adhesive is bonded			
	For Horizontal Installation Up To 10' High, Add	0.39		
	For Horizontal Installation >10' High, Add	0.58		
	For Walls >10' High, Add	0.09		
	For Up To 128, Add	1.00		
	For >128 To 320, Add	0.56		
	For >1,536, Deduct	-0.46		
09 29 10 00-0020	SF 1/2" Prefinished, Vinyl Faced Gypsum Board	4.00		0.66
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.33		
	For Adhesive Applied Sheets, Add	0.13		
	Note: Includes bracing until adhesive is bonded			
	For Horizontal Installation Up To 10' High, Add	0.45		
	For Horizontal Installation >10' High, Add	0.67		
	For Walls >10' High, Add	0.11		
	For Up To 128, Add	1.07		
	For >128 To 320, Add	0.60		
	For >1,536, Deduct	-0.47		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0021	SF	5/8"	Prefinished, Vinyl Faced Gypsum Board	4.20	0.76
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.38	
			For Adhesive Applied Sheets, Add	0.14	
			Note: Includes bracing until adhesive is bonded		
			For Horizontal Installation Up To 10' High, Add	0.52	
			For Horizontal Installation >10' High, Add	0.77	
			For Walls >10' High, Add	0.12	
			For Up To 128, Add	1.15	
			For >128 To 320, Add	0.65	
			For >1,536, Deduct	-0.48	
09 29 10 00-0022	SF	1/2"	Fire Rated, Prefinished Vinyl Faced Gypsum Board	4.58	0.66
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.37	
			For Adhesive Applied Sheets, Add	0.13	
			Note: Includes bracing until adhesive is bonded		
			For Horizontal Installation Up To 10' High, Add	0.50	
			For Horizontal Installation >10' High, Add	0.73	
			For Walls >10' High, Add	0.12	
			For Up To 128, Add	1.21	
			For >128 To 320, Add	0.68	
			For >1,536, Deduct	-0.54	
09 29 10 00-0023	SF	5/8"	Fire Rated, Prefinished Vinyl Faced Gypsum Board	6.78	0.76
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.44	
			For Adhesive Applied Sheets, Add	0.14	
			Note: Includes bracing until adhesive is bonded		
			For Horizontal Installation Up To 10' High, Add	0.57	
			For Horizontal Installation >10' High, Add	0.84	
			For Walls >10' High, Add	0.13	
			For Up To 128, Add	1.69	
			For >128 To 320, Add	0.93	
			For >1,536, Deduct	-0.85	
09 29 10 00-0024 Moisture And Mold Resistant Gypsum Board Application (09 29 10 00-0001)					
09 29 10 00-0025	SF	1/2"	Mesh Reinforced, Moisture And Mold Resistant Gypsum Board (Georgia-Pacific ToughRock® Mold-Guard™).....	2.24	0.64
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.32	
			For Adhesive Applied Sheets, Add	0.13	
			Note: Includes bracing until adhesive is bonded		
			For Non-reinforced Board, Deduct	-0.08	
			For Horizontal Installation Up To 10' High, Add	0.45	
			For Horizontal Installation >10' High, Add	0.67	
			For Walls >10' High, Add	0.11	
			For Up To 128, Add	0.71	
			For >128 To 320, Add	0.42	
			For >1,536, Deduct	-0.20	
09 29 10 00-0026	SF	5/8"	Mesh Reinforced, Moisture And Mold Resistant Gypsum Board (Georgia-Pacific ToughRock® Mold-Guard™).....	2.65	0.73
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.36	
			For Adhesive Applied Sheets, Add	0.14	
			Note: Includes bracing until adhesive is bonded		
			For Non-reinforced Board, Deduct	-0.08	
			For Horizontal Installation Up To 10' High, Add	0.52	
			For Horizontal Installation >10' High, Add	0.77	
			For Walls >10' High, Add	0.12	
			For Up To 128, Add	0.84	
			For >128 To 320, Add	0.49	
			For >1,536, Deduct	-0.24	
09 29 10 00-0027	SF	1/2"	Fire Rated, Mesh Reinforced, Moisture And Mold Resistant Gypsum Board (Georgia-Pacific ToughRock® Fireguard X® Mold-Guard™)	2.65	0.64
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.35	
			For Adhesive Applied Sheets, Add	0.13	
			Note: Includes bracing until adhesive is bonded		
			For Horizontal Installation Up To 10' High, Add	0.50	
			For Horizontal Installation >10' High, Add	0.73	
			For Walls >10' High, Add	0.12	
			For Up To 128, Add	0.82	
			For >128 To 320, Add	0.48	
			For >1,536, Deduct	-0.25	
09 29 10 00-0028	SF	5/8"	Fire Rated, Mesh Reinforced, Moisture And Mold Resistant Gypsum Board (Georgia-Pacific ToughRock® Fireguard X® Mold-Guard™)	2.97	0.73
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.40	
			For Adhesive Applied Sheets, Add	0.14	
			Note: Includes bracing until adhesive is bonded		
			For Horizontal Installation Up To 10' High, Add	0.57	
			For Horizontal Installation >10' High, Add	0.84	
			For Walls >10' High, Add	0.13	
			For Up To 128, Add	0.93	
			For >128 To 320, Add	0.55	
			For >1,536, Deduct	-0.28	
09 29 10 00-0029 Impact Resistant Gypsum Board (09 29 10 00-0001)					
			Note: Includes tapered edge, mold and moisture resistant, fire-resistant, Type X gypsum core encased in a heavy, abrasion and mold/mildew/moisture resistant		

09 Finishes**09 20 Plaster and Gypsum Board****09 29 Gypsum Board**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 29 10 00-0030	SF	5/8" Fire Rated, Impact Resistant Gypsum Board (National Gypsum Hi-Impact®).....	4.27	0.73
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.38	
		<i>For Adhesive Applied Sheets, Add</i>	0.14	
		<i>Note: Includes bracing until adhesive is bonded</i>		
		<i>For Horizontal Installation Up To 10' High, Add</i>	0.52	
		<i>For Horizontal Installation >10' High, Add</i>	0.76	
		<i>For Walls >10' High, Add</i>	0.12	
		<i>For Up To 128, Add</i>	1.16	
		<i>For >128 To 320, Add</i>	0.66	
		<i>For >1,536, Deduct</i>	-0.49	

09 29 10 00-0031 Abuse Resistant Gypsum Board (09 29 10 00-0001)

Note: Includes tapered edge, mold and moisture resistant, fire-resistant Type X gypsum core encased in a heavy, abrasion and mold/mildew/moisture resistant

09 29 10 00-0032	SF	5/8" Fire Rated, Abuse Resistant Gypsum Board (National Gypsum Hi-Abuse®).....	2.72	0.73
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.36	
		<i>For Adhesive Applied Sheets, Add</i>	0.14	
		<i>Note: Includes bracing until adhesive is bonded</i>		
		<i>For Horizontal Installation Up To 10' High, Add</i>	0.52	
		<i>For Horizontal Installation >10' High, Add</i>	0.76	
		<i>For Walls >10' High, Add</i>	0.12	
		<i>For Up To 128, Add</i>	0.85	
		<i>For >128 To 320, Add</i>	0.50	
		<i>For >1,536, Deduct</i>	-0.26	

09 29 10 00-0033 Noise Reducing Gypsum Board (09 29 10 00-0001)

09 29 10 00-0034	SF	1/2" Noise Reducing Gypsum Board (National Gypsum SoundBreak).....	4.93	0.77
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.39	
		<i>For Adhesive Applied Sheets, Add</i>	0.14	
		<i>Note: Includes bracing until adhesive is bonded</i>		
		<i>For Horizontal Installation Up To 10' High, Add</i>	0.52	
		<i>For Horizontal Installation >10' High, Add</i>	0.77	
		<i>For Walls >10' High, Add</i>	0.12	
		<i>For Up To 128, Add</i>	1.29	
		<i>For >128 To 320, Add</i>	0.72	
		<i>For >1,536, Deduct</i>	-0.59	
09 29 10 00-0035	SF	5/8" Noise Reducing Gypsum Board (National Gypsum SoundBreak).....	5.90	0.77
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.40	
		<i>For Adhesive Applied Sheets, Add</i>	0.14	
		<i>Note: Includes bracing until adhesive is bonded</i>		
		<i>For Horizontal Installation Up To 10' High, Add</i>	0.52	
		<i>For Horizontal Installation >10' High, Add</i>	0.77	
		<i>For Walls >10' High, Add</i>	0.12	
		<i>For Up To 128, Add</i>	1.49	
		<i>For >128 To 320, Add</i>	0.82	
		<i>For >1,536, Deduct</i>	-0.73	

09 29 10 00-0036 Finishing Gypsum Board Applications (09 29 10)

Note: Includes flat or curved walls, columns, soffits, recesses, and chases. Tape, spackle, sand and finish gypsum board to the appropriate level as defined by ASTM C 840. No taping or finishing is required for Level 0. For Level 1, tape is set in compound at joints and interior angles. Ridges and tool marks are acceptable. For Level 2, tape is set in compound and wiped with a joint knife leaving a thin coating of compound over joints, interior angles, fastener heads, and beads. Ridges and tool marks are acceptable. Compound applied over the body of the tape at the time of the tape is set satisfies the conditions for this level. For Level 3, tape is set in compound and one additional coat of compound is applied over all joints and interior angles. Fastener heads and accessories receive two separate coats of joint compound. Ridges and tool marks are not acceptable. For Level 4, tape is set in compound and two separate coats of compound are applied over all flat joints with one separate coat of compound applied over interior angles. Fastener heads and accessories receive three separate coats of compound. Ridges and tool marks are not acceptable. A Level 5 finish is a Level 4 finish plus a thin skim coat of compound applied to the entire drywall surface. All levels of finish require that the surface be free of excess compound. A single modifier may be used to change the level of finish to the appropriate level.

09 29 10 00-0037 Finish Gypsum Board Walls, ASTM C840 Level 4 (09 29 10 00-0036)

09 29 10 00-0038	SF	Up To 10' High, Walls, Tape, Spackle And Finish Gypsum Board.....	0.90	
		<i>For Up To 128, Add</i>	0.34	
		<i>For >128 To 320, Add</i>	0.21	
		<i>For >5,400, Deduct</i>	-0.09	
		<i>For ASTM C840 Level 1 Finish, Deduct</i>	-0.43	
		<i>For ASTM C840 Level 2 Finish, Deduct</i>	-0.21	
		<i>For ASTM C840 Level 3 Finish, Deduct</i>	-0.09	
		<i>For ASTM C840 Level 5 High Quality Finish, Add</i>	0.66	
		<i>For Spray Applied Textured Or Orange Peel Finish, Add</i>	0.66	
09 29 10 00-0039	SF	>10' High, Walls, Tape, Spackle And Finish Gypsum Board	1.20	
		<i>Note: Use this task for the entire wall area when the wall is >10' high.</i>		
		<i>For Up To 128, Add</i>	0.46	
		<i>For >128 To 320, Add</i>	0.29	
		<i>For >5,400, Deduct</i>	-0.12	
		<i>For ASTM C840 Level 1 Finish, Deduct</i>	-0.58	
		<i>For ASTM C840 Level 2 Finish, Deduct</i>	-0.29	
		<i>For ASTM C840 Level 3 Finish, Deduct</i>	-0.12	
		<i>For ASTM C840 Level 5 High Quality Finish, Add</i>	0.89	
		<i>For Spray Applied Textured Or Orange Peel Finish, Add</i>	0.89	

09 29 10 00-0040 Finish Gypsum Board Ceilings, ASTM C840 Level 4 (09 29 10 00-0036)

Cal Poly Humboldt.		Finishes 09		09
		Plaster and Gypsum Board		09 20
		Gypsum Board		09 29
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
		UNIT COST	UNIT COST	
09 29 10 00-0041	SF Up To 10' High, Ceilings, Tape, Spackle And Finish Gypsum Board.....	1.17		
	For Up To 128, Add	0.45		
	For >128 To 320, Add	0.28		
	For >5,400, Deduct	-0.12		
	For ASTM C840 Level 1 Finish, Deduct	-0.56		
	For ASTM C840 Level 2 Finish, Deduct	-0.28		
	For ASTM C840 Level 3 Finish, Deduct	-0.11		
	For ASTM C840 Level 5 High Quality Finish, Add	0.87		
	For Spray Applied Textured Or Orange Peel Finish, Add	0.87		
09 29 10 00-0042	SF >10' High, Ceilings, Tape, Spackle And Finish Gypsum Board	1.57		
	Note: Use this task for the entire wall area when the wall is >10' high.			
	For Up To 128, Add	0.61		
	For >128 To 320, Add	0.38		
	For >5,400, Deduct	-0.16		
	For ASTM C840 Level 1 Finish, Deduct	-0.76		
	For ASTM C840 Level 2 Finish, Deduct	-0.38		
	For ASTM C840 Level 3 Finish, Deduct	-0.15		
	For ASTM C840 Level 5 High Quality Finish, Add	1.17		
	For Spray Applied Textured Or Orange Peel Finish, Add	1.17		
09 29 10 00-0043	Finish Gypsum Board Vertical Corners, ASTM C840 Level 4 (09 29 10 00-0036)			
	Note: Inside or outside gypsum board corners.			
09 29 10 00-0044	LF Up To 10' High, Vertical Corners, Tape, Spackle And Finish Gypsum Board.....	1.79		
	For ASTM C840 Level 1 Finish, Deduct	-0.84		
	For ASTM C840 Level 2 Finish, Deduct	-0.42		
	For ASTM C840 Level 3 Finish, Deduct	-0.17		
	For ASTM C840 Level 5 High Quality Finish, Add	1.31		
09 29 10 00-0045	LF >10' High, Vertical Corners, Tape, Spackle And Finish Gypsum Board	2.14		
	Note: Use this task for the entire wall area when the wall is >10' high.			
	For ASTM C840 Level 1 Finish, Deduct	-1.01		
	For ASTM C840 Level 2 Finish, Deduct	-0.51		
	For ASTM C840 Level 3 Finish, Deduct	-0.20		
	For ASTM C840 Level 5 High Quality Finish, Add	1.58		
09 29 10 00-0046	Finish Gypsum Board Horizontal Corners, ASTM C840 Level 4 (09 29 10 00-0036)			
	Note: Inside or outside gypsum board corners.			
09 29 10 00-0047	LF Up To 10' High, Horizontal Corners, Tape, Spackle And Finish Gypsum Board.....	2.08		
	For ASTM C840 Level 1 Finish, Deduct	-0.98		
	For ASTM C840 Level 2 Finish, Deduct	-0.49		
	For ASTM C840 Level 3 Finish, Deduct	-0.20		
	For ASTM C840 Level 5 High Quality Finish, Add	1.53		
09 29 10 00-0048	LF >10' High, Horizontal Corners, Tape, Spackle And Finish Gypsum Board	2.49		
	Note: Use this task for the entire wall area when the wall is >10' high.			
	For ASTM C840 Level 1 Finish, Deduct	-1.19		
	For ASTM C840 Level 2 Finish, Deduct	-0.59		
	For ASTM C840 Level 3 Finish, Deduct	-0.24		
	For ASTM C840 Level 5 High Quality Finish, Add	1.84		
09 29 10 00-0049	Casing And Corner Beads (09 29 10)			
09 29 10 00-0050	LF Casing, Galvanized Steel J-Bead For Gypsum Board.....	5.01		1.29
	For Up To 100, Add	0.41		
	For >500, Deduct	-0.25		
09 29 10 00-0051	LF Corner Bead, Galvanized Steel For Gypsum Board	4.53		1.29
	For Up To 100, Add	0.31		
	For >500, Deduct	-0.23		
09 29 10 00-0052	Preformed Architectural Profiles (09 29 10)			
09 29 10 00-0053	Trim Reveals For Gypsum Board (09 29 10 00-0052)			
09 29 10 00-0054	LF 1/8" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	6.40		1.54
09 29 10 00-0055	LF 1/4" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	6.45		1.54
09 29 10 00-0056	LF 3/8" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	6.65		1.54
09 29 10 00-0057	LF 1/2" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	6.75		1.54
09 29 10 00-0058	LF 5/8" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	7.01		1.54
09 29 10 00-0059	LF 3/4" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	7.26		1.54
09 29 10 00-0060	LF 1" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	7.51		1.54
09 29 10 00-0061	LF 1-1/2" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	8.33		1.54
09 29 10 00-0062	LF 2" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	9.14		1.54
09 29 10 00-0063	LF 1/8" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	6.54		1.67
09 29 10 00-0064	LF 1/4" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	6.54		1.67
09 29 10 00-0065	LF 3/8" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	7.10		1.67
09 29 10 00-0066	LF 1/2" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	7.20		1.67
09 29 10 00-0067	LF 5/8" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	7.56		1.67
09 29 10 00-0068	LF 3/4" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	7.71		1.67
09 29 10 00-0069	LF 1" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	7.92		1.67
09 29 10 00-0070	LF 1 1/2" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	8.83		1.67
09 29 10 00-0071	LF 2" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	9.75		1.67
09 29 10 00-0072	LF 3" x 5/8", Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	13.41		1.92
09 29 10 00-0073	LF 4" x 5/8", Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	14.94		1.92
09 29 10 00-0074	Edge Trim For Gypsum Board (09 29 10 00-0052)			
09 29 10 00-0075	LF 1/2" Aluminum Extrusions, Edge Trim For Gypsum Board	5.85		1.61
09 29 10 00-0076	LF 5/8" Aluminum Extrusions, Edge Trim For Gypsum Board	6.26		1.61

09	Finishes	
	09 20	Plaster and Gypsum Board
	09 29	Gypsum Board



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 29 10 00-0077	LF		1" Aluminum Extrusions, Edge Trim For Gypsum Board	7.32	1.77
09 29 10 00-0078	LF		1-1/4" Aluminum Extrusions, Edge Trim For Gypsum Board	7.69	1.92
09 29 10 00-0079	LF		1/2" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board	10.94	1.61
09 29 10 00-0080	LF		5/8" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board	11.35	1.61
09 29 10 00-0081	LF		1" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board	12.41	1.77
09 29 10 00-0082	LF		1-1/4" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board	12.77	1.92

09 29 10 00-0083	Bevel Trim For Gypsum Board (09 29 10 00-0052)				
09 29 10 00-0084	LF		5/16" x 1/4" Aluminum Extrusions, Bevel Trim For Gypsum Board	6.26	1.61
09 29 10 00-0085	LF		5/8" x 5/8" Aluminum Extrusions, Bevel Trim For Gypsum Board	7.17	1.77

09 29 10 00-0086	Trim/Wainscot Caps For Gypsum Board (09 29 10 00-0052)				
09 29 10 00-0087	LF		1-1/2" Wide Aluminum Extrusions, Trim/Wainscot Cap For Gypsum Board	8.55	1.92

09 29 10 00-0088	Single Fin Wall/Trim Reveals For Gypsum Board (09 29 10 00-0052)				
09 29 10 00-0089	LF		1/8" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	6.12	1.03
09 29 10 00-0090	LF		1/4" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	6.21	1.16
09 29 10 00-0091	LF		3/8" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	7.16	1.29
09 29 10 00-0092	LF		1/2" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	7.60	1.41
09 29 10 00-0093	LF		5/8" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	8.02	1.54
09 29 10 00-0094	LF		3/4" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	8.18	1.54
09 29 10 00-0095	LF		1" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	8.63	1.54
09 29 10 00-0096	LF		1-1/2" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	9.50	1.54
09 29 10 00-0097	LF		2" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	9.80	1.54
09 29 10 00-0098	LF		1/8" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	7.56	1.67
09 29 10 00-0099	LF		1/4" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	7.66	1.67
09 29 10 00-0100	LF		3/8" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	8.22	1.67
09 29 10 00-0101	LF		1/2" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	8.48	1.67
09 29 10 00-0102	LF		5/8" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	8.68	1.67
09 29 10 00-0103	LF		3/4" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	8.93	1.67
09 29 10 00-0104	LF		1" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	9.29	1.67
09 29 10 00-0105	LF		1-1/2" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	10.21	1.67
09 29 10 00-0106	LF		2" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	10.97	1.67
09 29 10 00-0107	LF		3" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	13.41	1.67
09 29 10 00-0108	LF		4" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	18.09	1.67
09 29 10 00-0109	LF		3-1/16" x 7/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board	12.49	1.67
09 29 10 00-0110	LF		3-1/16" x 9/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board	12.90	1.67
09 29 10 00-0111	LF		4-1/16" x 7/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board	14.27	1.67
09 29 10 00-0112	LF		4-1/16" x 9/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board	14.43	1.67
09 29 10 00-0113	LF		9/16" Tall with 1/2" Reveal, Aluminum Extrusions, Single Fin Wall Base With Reveal For Gypsum Board	16.41	1.67
09 29 10 00-0114	LF		5/8" Aluminum Extrusions, Single Fin Wall/Trim Reveal Hanging Track For Gypsum Board	13.46	1.67

09 29 10 00-0115	'V' Groove Wall Reveals For Gypsum Board (09 29 10 00-0052)				
09 29 10 00-0116	LF		1/4" x 5/8" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board	9.42	2.31
09 29 10 00-0117	LF		3/4" x 1/2" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board	10.79	2.57
09 29 10 00-0118	LF		1" x 1/2" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board	12.28	3.08
09 29 10 00-0119	LF		9/32" x 5/8" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board	12.49	3.34

09 29 10 00-0120	Double Fin Wall Reveals For Gypsum Board (09 29 10 00-0052)				
09 29 10 00-0121	LF		3/8" x 3/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	8.84	1.54
09 29 10 00-0122	LF		1/8" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	8.94	1.54
09 29 10 00-0123	LF		1/4" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	9.04	1.54
09 29 10 00-0124	LF		3/8" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	9.04	1.54
09 29 10 00-0125	LF		1/2" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	9.50	1.54
09 29 10 00-0126	LF		5/8" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	9.70	1.52
09 29 10 00-0127	LF		3/4" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	9.90	1.54
09 29 10 00-0128	LF		1" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	10.36	1.54
09 29 10 00-0129	LF		1-1/2" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	11.13	1.54
09 29 10 00-0130	LF		2" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	11.94	1.54
09 29 10 00-0131	LF		3/8" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	9.34	1.67
09 29 10 00-0132	LF		1/4" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	9.44	1.67
09 29 10 00-0133	LF		3/8" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	9.65	1.67
09 29 10 00-0134	LF		1/2" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	10.10	1.67
09 29 10 00-0135	LF		5/8" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	10.31	1.67
09 29 10 00-0136	LF		3/4" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	10.46	1.67
09 29 10 00-0137	LF		1" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	10.97	1.67
09 29 10 00-0138	LF		1-1/2" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	11.78	1.67
09 29 10 00-0139	LF		2" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	12.60	1.67
09 29 10 00-0140	LF		3" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	14.78	1.67
09 29 10 00-0141	LF		4" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	19.36	1.67
09 29 10 00-0142	LF		1-1/2" x 1" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	17.38	1.82
09 29 10 00-0143	LF		3/4" x 1 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	19.77	2.23
09 29 10 00-0144	LF		1-1/2" x 1-1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	20.43	2.23
09 29 10 00-0145	LF		1/2", Aluminum Extrusions, Double Fin Hanging Track Wall Reveal For Gypsum Board	15.80	1.52
09 29 10 00-0146	LF		1 3/16", Aluminum Extrusions, Double Fin Hanging Track Wall Reveal For Gypsum Board	14.63	2.23
09 29 10 00-0147	LF		1/4" Aluminum Extrusions, Double Fin Wall Covering Joiner For Gypsum Board	10.51	1.52

09 29 10 00-0148	Special Conditions Reveals For Gypsum Board (09 29 10 00-0052)				
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			Finishes	09	8
			Plaster and Gypsum Board	09 20	
			Gypsum Board	09 29	
MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
			UNIT COST	UNIT COST	

09 29 10 00-0149 Radius Conditions (09 29 10 00-0148)					
09 29 10 00-0150	EA	8' Long Inside Radius For Gypsum Board	127.14		
Note: Task used in conjunction with "Preformed Architectural Profiles" tasks.					
09 29 10 00-0151	EA	8' Long Outside Radius For Gypsum Board	127.14		
Note: Task used in conjunction with "Preformed Architectural Profiles" tasks.					
09 29 10 00-0152	EA	8' Long Circular / Arched Radius For Gypsum Board	127.14		
Note: Task used in conjunction with "Preformed Architectural Profiles" tasks.					
09 29 10 00-0153 Knee Brace Kit (09 29 10 00-0148)					
09 29 10 00-0154	EA	46" H, Aluminum Extrusions, Knee Brace Kit For Gypsum Board	276.18		16.04
09 29 10 00-0155 Wall Bumper Rail (09 29 10 00-0148)					
09 29 10 00-0156	LF	2-1/2" x 5/8", Aluminum Extrusions, Wall Bumper Rail For Gypsum Board	38.26		6.42
09 29 10 00-0157 Corners For Gypsum Board (09 29 10 00-0052)					
09 29 10 00-0158	LF	1/2"R, Aluminum Extrusions, Outside Corner For Gypsum Board	8.18		1.54
09 29 10 00-0159	LF	5/8"R, Aluminum Extrusions, Outside Corner For Gypsum Board	8.73		1.67
09 29 10 00-0160	LF	3/4"R, Aluminum Extrusions, Outside Corner For Gypsum Board	9.69		1.74
09 29 10 00-0161	LF	1"R, Aluminum Extrusions, Outside Corner For Gypsum Board	10.82		1.82
09 29 10 00-0162	LF	1-1/2" R, Aluminum Extrusions, Outside Corner For Gypsum Board	13.11		2.23
09 29 10 00-0163	LF	2" R, Aluminum Extrusions, Outside Corner For Gypsum Board	15.19		2.50
09 29 10 00-0164	LF	2-1/2" R, Aluminum Extrusions, Outside Corner For Gypsum Board	18.44		2.87
09 29 10 00-0165	LF	3" R, Aluminum Extrusions, Outside Corner For Gypsum Board	22.40		3.34
09 29 10 00-0166	LF	4" R, Aluminum Extrusions, Outside Corner For Gypsum Board	30.78		4.46
09 29 10 00-0167	LF	90 Degree 3/8" Aluminum Extrusions, Hi-Strength Corner For Gypsum Board	8.16		1.49
09 29 10 00-0168	LF	90 Degree 1-1/4" Aluminum Extrusions, Hi-Strength Corner For Gypsum Board	14.99		2.00
09 29 10 00-0169	LF	90 Degree 1-1/4" Aluminum Extrusions, Fabric Tuck Corner For Gypsum Board	10.77		2.00
09 29 10 00-0170	LF	90 Degree 1-1/4" Aluminum Extrusions, Corner With Vertical Reveal For Gypsum Board	19.47		2.00
09 29 10 00-0171	LF	45 Degree 2" Aluminum Extrusions, Corner For Gypsum Board	27.70		2.50
09 29 10 00-0172	LF	60 Degree 2" Aluminum Extrusions, Corner For Gypsum Board	26.58		2.50
09 29 10 00-0173	LF	3/4" Aluminum Extrusions, Chamfered Corner For Gypsum Board	8.02		1.74
09 29 10 00-0174	LF	5/8" R, Aluminum Extrusions, Corners Return For Gypsum Board	8.07		1.67
09 29 10 00-0175	LF	1/2" x 1/2" Aluminum Extrusions, Double Corner Step For Gypsum Board	8.12		1.54
09 29 10 00-0176	LF	5/8" x 5/8" Aluminum Extrusions, Double Corner Step For Gypsum Board	8.53		1.67
09 29 10 00-0177	LF	1" x 1" Aluminum Extrusions, Double Corner Step For Gypsum Board	11.48		1.82
09 29 10 00-0178	LF	1/2" x 1/2" Aluminum Extrusions, Triple Corner Step For Gypsum Board	10.11		1.54
09 29 10 00-0179	LF	5/8" x 5/8" Aluminum Extrusions, Triple Corner Step For Gypsum Board	10.66		1.67
09 29 10 00-0180	LF	1" x 1" Aluminum Extrusions, Triple Corner Step For Gypsum Board	15.65		1.82
09 29 10 00-0181	LF	1/3" x 1/2" Aluminum Extrusions, Quad Corner Step For Gypsum Board	17.23		1.54
09 29 10 00-0182	LF	3" Aluminum Extrusions, Bullnose For Gypsum Board	29.57		3.34
09 29 10 00-0183	LF	3-7/8" Aluminum Extrusions, Bullnose For Gypsum Board	31.61		3.34
09 29 10 00-0184	LF	5-3/8", Aluminum Extrusions, Bullnose For Gypsum Board	58.54		5.57
09 29 10 00-0185	LF	7-3/8", Aluminum Extrusions, Bullnose For Gypsum Board	97.16		7.89
09 29 10 00-0186	LF	3/4" R, Aluminum Extrusions, Inside Corner For Gypsum Board	9.74		1.72
09 29 10 00-0187	LF	1" R, Aluminum Extrusions, Inside Corner For Gypsum Board	11.13		1.80
09 29 10 00-0188	LF	1-1/2" R, Aluminum Extrusions, Inside Corner For Gypsum Board	13.36		2.19
09 29 10 00-0189	LF	2"R, Aluminum Extrusions, Inside Corner For Gypsum Board	16.41		2.47
09 29 10 00-0190	LF	2-1/2" R, Aluminum Extrusions, Inside Corner For Gypsum Board	23.27		2.83
09 29 10 00-0191	LF	3"R, Aluminum Extrusions, Inside Corner For Gypsum Board	25.15		3.30
09 29 10 00-0192	LF	4" R, Aluminum Extrusions, Inside Corner For Gypsum Board	28.54		4.39
09 29 10 00-0193	LF	3-5/8", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board	18.13		3.30
09 29 10 00-0194	LF	3-7/8", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board	18.39		3.30
09 29 10 00-0195	LF	4-3/4", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board	20.01		3.30
09 29 10 00-0196	LF	5", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board	20.52		3.30

09 29 82 Gypsum Board Fire Protection (09 29)

09 29 82 00-0001 Shaft Wall (09 29 82)					
See CSI section 09 29 10 00-0036 for finishing drywall.					
09 29 82 00-0002	SF	3/4" Fire Rated Shaft Wall Assembly	8.05		3.21
Note: 1/4" thick fiber-cement board with tapered edges over 1/2" thick type "X" gypsum board. Excludes studs or wall structure.					
For Horizontal Installation Up To 10' High, Add			2.18		
For Horizontal Installation >10' High, Add			3.21		
For Walls >10' High, Add			0.51		
For Up To 128, Add			2.89		
For >128 To 320, Add			1.77		
For >1,536, Deduct			-0.57		
09 29 82 00-0003	SF	7/8" Fire Rated Shaft Wall Assembly	9.37		3.85
Note: 1/4" thick fiber-cement board with tapered edges over 5/8" thick type "X" gypsum board. Excludes studs or wall structure.					
For Horizontal Installation Up To 10' High, Add			2.62		
For Horizontal Installation >10' High, Add			3.86		
For Walls >10' High, Add			0.62		
For Up To 128, Add			3.42		
For >128 To 320, Add			2.09		
For >1,536, Deduct			-0.63		

09	Finishes	
	09 20	Plaster and Gypsum Board
	09 29	Gypsum Board

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
09 29 82 00-0004	SF 2-1/2", 25 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly.....	8.73		2.47
	Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.			
	For Horizontal Installation Up To 10' High, Add	1.68		
	For Horizontal Installation >10' High, Add	2.47		
	For Walls >10' High, Add	0.40		
	For Up To 128, Add	2.73		
	For >128 To 320, Add	1.61		
	For Glass Mat Surfaces, Add	0.33		
09 29 82 00-0005	SF 4", 25 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly.....	9.46		2.60
	Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.			
	For Horizontal Installation Up To 10' High, Add	1.76		
	For Horizontal Installation >10' High, Add	2.60		
	For Walls >10' High, Add	0.42		
	For Up To 128, Add	2.93		
	For >128 To 320, Add	1.72		
	For Glass Mat Surfaces, Add	0.33		
09 29 82 00-0006	SF 2-1/2", 20 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly.....	10.71		2.60
	Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.			
	For Horizontal Installation Up To 10' High, Add	1.76		
	For Horizontal Installation >10' High, Add	2.60		
	For Walls >10' High, Add	0.42		
	For Up To 128, Add	3.18		
	For >128 To 320, Add	1.85		
	For Glass Mat Surfaces, Add	0.33		
09 29 82 00-0007	SF 4", 20 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly.....	11.46		2.73
	Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.			
	For Horizontal Installation Up To 10' High, Add	1.85		
	For Horizontal Installation >10' High, Add	2.72		
	For Walls >10' High, Add	0.44		
	For Up To 128, Add	3.38		
	For >128 To 320, Add	1.96		
	For Glass Mat Surfaces, Add	0.33		

09 30 Tiling (09)

Note: All tiles are standard grade ANSI 137.1 or higher, mounted and unmounted, cushioned or non-cushioned edge, all tile colors, all grout colors, PEI rating 1 through 4, and include patterns. Glazing shall meet ASTM C484 and C424. Mounted tiles are assembled into sheets to facilitate handling and installation. Perforated paper, fiber mesh, or other suitable bonding material applied to the front, backs or edges of the tile can be used to mount the tiles. Cushioned edge tile has facial edges with a distinct curvature that results in a slightly recessed joint. All floor, wall, ceiling, cove base and trim tile will be installed in accordance with ANSI 108.1 using these setting methods. Includes initial wax and seal.

09 30 13 Ceramic Tiling (09 30)

Note: Includes grout and sealing. Excludes setting method. See CSI section 09 31 00 00-0000 for thin-set, 09 32 00 00-0000 for mortar-bed, 09 35 00 00-0000 for chemical-resistant.

09 30 13 00-0001 Ceramic Tiling (09 30 13)

09 30 13 00-0002	SF 2" x 2" x 1/4" Thick, Mounted, Unpolished Ceramic Floor Tile.....	18.05		3.42
	Note: Tiles mounted from back, side or front in 12" x 12", 12" x 24", 12" x 48", or similar sized sheets.			
	For Up To 50, Add	9.63		
	For >50 To 250, Add	1.36		
	For >1,000, Deduct	-0.68		
	For High-Modulus, High-Strength Epoxy Grout, Add	1.46		
	For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	1.65		
09 30 13 00-0003	SF Less Than 8" x 8", Mounted, Ceramic Floor Tile.....	13.19		3.42
	Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.			
	For Up To 50, Add	8.41		
	For >50 To 250, Add	1.36		
	For >1,000, Deduct	-0.68		
	For High-Modulus, High-Strength Epoxy Grout, Add	1.46		
	For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00		
	For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	1.65		
09 30 13 00-0004	SF 8" x 8" And Larger Unmounted Ceramic Floor Tile.....	14.90		2.13
	Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles.			
	For Up To 50, Add	10.12		
	For >50 To 250, Add	1.71		
	For >1,000, Deduct	-0.85		
	For High-Modulus, High-Strength Epoxy Grout, Add	1.72		
	For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00		
	For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	1.91		
09 30 13 00-0005	SF 2" x 2" x 1/4" Thick, Mounted, Unpolished Ceramic Wall Tile.....	19.51		4.14
	Note: Tiles mounted from back, side or front in 12" x 12", 12" x 24", 12" x 48", or similar sized sheets.			
	For Up To 50, Add	11.09		
	For >50 To 250, Add	1.66		
	For >1,000, Deduct	-0.83		
	For High-Modulus, High-Strength Epoxy Grout, Add	1.68		
	For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	1.87		
09 30 13 00-0006	SF Less Than 8" x 8" Mounted Ceramic Wall Tile.....	14.65		4.14
	Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.			
	For Up To 50, Add	9.87		
	For >50 To 250, Add	1.66		
	For >1,000, Deduct	-0.83		
	For High-Modulus, High-Strength Epoxy Grout, Add	1.68		
	For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	1.87		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 30 13 00-0007	SF	8" x 8" And Larger Unmounted Ceramic Wall Tile Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. For Up To 50, Add For >50 To 250, Add For >1,000, Deduct For High-Modulus, High-Strength Epoxy Grout, Add For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	16.84 12.06 2.09 -1.05 2.01 2.20	2.62
09 30 13 00-0008	SF	Less than 8" x 8" Mounted Ceramic Ceiling Tile Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets. For High-Modulus, High-Strength Epoxy Grout, Add For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add For Up To 50, Add For >50 To 250, Add For >1,000, Deduct	20.71 2.59 2.78 15.93 2.87 -1.43	7.17
09 30 13 00-0009	SF	8" x 8" And Larger Unmounted Ceramic Ceiling Tile Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. For High-Modulus, High-Strength Epoxy Grout, Add For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add For Up To 50, Add For >50 To 250, Add For >1,000, Deduct	23.58 3.02 3.21 18.80 3.44 -1.72	4.30
09 30 13 00-0010	LF	4-1/4" To 4-1/2" High, Ceramic Cove Base Or Trim Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. For High-Modulus, High-Strength Epoxy Grout, Add For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	13.53 2.01 2.10	2.98
09 30 13 00-0011	LF	6" High x 12" Long, Unpolished Ceramic Cove Base (Daltile Portfolio) For High-Modulus, High-Strength Epoxy Grout, Add For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	21.89 2.01 2.10	2.98
09 30 13 00-0012	LF	6" High x 24" Long, Unpolished Ceramic Cove Base (Daltile Portfolio) For High-Modulus, High-Strength Epoxy Grout, Add For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	24.60 2.01 2.10	2.98
09 30 13 00-0013	EA	6" High, Unpolished Ceramic Cove Base Outer Corner.....	19.32	0.65
09 30 13 00-0014 Residential Ceramic Tiling (09 30 13)				
09 30 13 00-0015	SF	Mounted Ceramic Floor Tile, Residential Grade Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets. For Up To 50, Add For >50 To 250, Add For >1,000, Deduct For High-Modulus, High-Strength Epoxy Grout, Add	10.84 7.83 1.36 -0.68 1.46	3.42
09 30 13 00-0016	SF	Mounted Ceramic Wall Tile, Residential Grade Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets. For Up To 50, Add For >50 To 250, Add For >1,000, Deduct For High-Modulus, High-Strength Epoxy Grout, Add	12.30 9.29 1.66 -0.83 1.68	4.14
09 30 13 00-0017	SF	2" x 2" x 1/4" Thick, Unpolished Ceramic Mounted Floor Tile, Residential Grade Note: Tiles mounted from back, side or front in 12" x 12", 12" x 24", 12" x 48", or similar sized sheets. For Up To 50, Add For >50 To 250, Add For >1,000, Deduct For High-Modulus, High-Strength Epoxy Grout, Add	12.79 8.31 1.36 -0.68 1.46	3.42
09 30 16 Quarry Tiling (09 30)				
Note: Includes grout and sealing. Excludes setting method. See CSI section 09 31 00 00-0000 for thin-set, 09 32 00 00-0000 for mortar-bed, 09 35 00 00-0000 for chemical-resistant.				
09 30 16 00-0001	SF	Unglazed Quarry Floor Tile..... Note: With or without embedded abrasive grit. For Up To 50, Add For >50 To 250, Add For >1,000, Deduct For High-Modulus, High-Strength Epoxy Grout, Add For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	13.27 10.48 1.91 -0.96 1.87 2.06	2.40
09 30 16 00-0002	SF	Glazed Quarry Floor Tile For Up To 50, Add For >50 To 250, Add For >1,000, Deduct For High-Modulus, High-Strength Epoxy Grout, Add For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	24.94 13.40 1.91 -0.96 1.87 2.06	2.40
09 30 16 00-0003	SF	Unglazed Quarry Wall Tile..... Note: With or without embedded abrasive grit. For Up To 50, Add For >50 To 250, Add For >1,000, Deduct For High-Modulus, High-Strength Epoxy Grout, Add For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	15.19 12.40 2.29 -1.15 2.16 2.35	2.84
09 30 16 00-0004	SF	Glazed Quarry Wall Tile..... For Up To 50, Add For >50 To 250, Add For >1,000, Deduct For High-Modulus, High-Strength Epoxy Grout, Add For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	26.86 15.32 2.29 -1.15 2.16 2.35	2.84
09 30 16 00-0005	LF	6" High Unglazed Quarry Tile Cove Base Or Trim.....	18.49	3.16

09 Finishes**09 30 Tiling****09 30 16 Quarry Tiling**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

		<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	2.11	
		<i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i>	2.20	
09 30 16 00-0006	LF	6" High Glazed Quarry Tile Cove Base Or Trim.....	37.62	3.16
		<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	2.11	
		<i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i>	2.20	

09 30 33 Stone Tiling (09 30)

Note: Excludes setting method. See CSI section 09 31 00 00-0000 for thin-set, 09 32 00 00-0000 for mortar-bed, 09 35 00 00-0000 for chemical-resistant.

09 30 33 00-0001 Marble Floor Tile (09 30 33)

09 30 33 00-0002	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Cherry Blossom".....	12.87	2.13
		<i>For Up To 50, Add</i>	9.62	
		<i>For >50 To 250, Add</i>	1.71	
		<i>For >1,000, Deduct</i>	-0.85	
		<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.72	
		<i>For Heavy-Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0003	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Laurent Brown".....	13.27	2.13
		<i>For Up To 50, Add</i>	9.72	
		<i>For >50 To 250, Add</i>	1.71	
		<i>For >1,000, Deduct</i>	-0.85	
		<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.72	
		<i>For Heavy-Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0004	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Temple Gray".....	13.49	2.13
		<i>For Up To 50, Add</i>	9.77	
		<i>For >50 To 250, Add</i>	1.71	
		<i>For >1,000, Deduct</i>	-0.85	
		<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.72	
		<i>For Heavy-Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0005	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Emperador Cafe".....	13.58	2.13
		<i>For Up To 50, Add</i>	9.79	
		<i>For >50 To 250, Add</i>	1.71	
		<i>For >1,000, Deduct</i>	-0.85	
		<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.72	
		<i>For Heavy-Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0006	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "China Black".....	13.65	2.13
		<i>For Up To 50, Add</i>	9.81	
		<i>For >50 To 250, Add</i>	1.71	
		<i>For >1,000, Deduct</i>	-0.85	
		<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.72	
		<i>For Heavy-Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0007	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Sea Grass Honed".....	13.74	2.13
		<i>For Up To 50, Add</i>	9.83	
		<i>For >50 To 250, Add</i>	1.71	
		<i>For >1,000, Deduct</i>	-0.85	
		<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.72	
		<i>For Heavy-Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0008	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Gris Magma or Gris Nebula".....	13.96	2.13
		<i>For Up To 50, Add</i>	9.89	
		<i>For >50 To 250, Add</i>	1.71	
		<i>For >1,000, Deduct</i>	-0.85	
		<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.72	
		<i>For Heavy-Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0009	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Dark Green".....	15.37	2.13
		<i>For Up To 50, Add</i>	10.24	
		<i>For >50 To 250, Add</i>	1.71	
		<i>For >1,000, Deduct</i>	-0.85	
		<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.72	
		<i>For Heavy-Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0010	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Cappuccino Light".....	15.52	2.13
		<i>For Up To 50, Add</i>	10.28	
		<i>For >50 To 250, Add</i>	1.71	
		<i>For >1,000, Deduct</i>	-0.85	
		<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.72	
		<i>For Heavy-Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0011	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Botticino Cream".....	15.82	2.13
		<i>For Up To 50, Add</i>	10.35	
		<i>For >50 To 250, Add</i>	1.71	
		<i>For >1,000, Deduct</i>	-0.85	
		<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.72	
		<i>For Heavy-Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0012	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Crema Marfil Classic".....	16.14	2.13
		<i>For Up To 50, Add</i>	10.43	
		<i>For >50 To 250, Add</i>	1.71	
		<i>For >1,000, Deduct</i>	-0.85	
		<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.72	
		<i>For Heavy-Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0013	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Arabescato Carrara".....	16.37	2.13
		<i>For Up To 50, Add</i>	10.49	
		<i>For >50 To 250, Add</i>	1.71	
		<i>For >1,000, Deduct</i>	-0.85	
		<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.72	
		<i>For Heavy-Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0014	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Giallo Crystal Onyx".....	17.15	2.13
		<i>For Up To 50, Add</i>	10.69	
		<i>For >50 To 250, Add</i>	1.71	
		<i>For >1,000, Deduct</i>	-0.85	
		<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.72	
		<i>For Heavy-Duty Floors With A PEI 5 Rating, Add</i>	1.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 30 33 00-0015	SF	12" x 12" x 3/8"	And Larger Unmounted Marble Floor Tile, "Cafe Forest or Rain Forest".....	18.61	2.13
			For Up To 50, Add	11.05	
			For >50 To 250, Add	1.71	
			For >1,000, Deduct	-0.85	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.72	
			For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0016	SF	12" x 12" x 3/8"	And Larger Unmounted Marble Floor Tile, "Arabescato".....	18.70	2.13
			For Up To 50, Add	11.07	
			For >50 To 250, Add	1.71	
			For >1,000, Deduct	-0.85	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.72	
			For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0017	SF	12" x 12" x 3/8"	And Larger Unmounted Marble Floor Tile, "Carrara White".....	19.78	2.13
			For Up To 50, Add	11.34	
			For >50 To 250, Add	1.71	
			For >1,000, Deduct	-0.85	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.72	
			For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0018	SF	12" x 12" x 3/8"	And Larger Unmounted Marble Floor Tile, "Crema Marfil Select Or Sahara Gold".....	20.16	2.13
			For Up To 50, Add	11.44	
			For >50 To 250, Add	1.71	
			For >1,000, Deduct	-0.85	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.72	
			For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0019	SF	12" x 12" x 3/8"	And Larger Unmounted Marble Floor Tile, "Botticino Fiorito Or Michelangelo".....	20.31	2.13
			For Up To 50, Add	11.48	
			For >50 To 250, Add	1.71	
			For >1,000, Deduct	-0.85	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.72	
			For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0020	SF	12" x 12" x 3/8"	And Larger Unmounted Marble Floor Tile, "Crema Marfil Antique".....	20.56	2.13
			For Up To 50, Add	11.54	
			For >50 To 250, Add	1.71	
			For >1,000, Deduct	-0.85	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.72	
			For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0021	SF	12" x 12" x 3/8"	And Larger Unmounted Marble Floor Tile, "Emperador Dark Or Super Thassos Glass".....	22.58	2.13
			For Up To 50, Add	12.04	
			For >50 To 250, Add	1.71	
			For >1,000, Deduct	-0.85	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.72	
			For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0022	SF	12" x 12" x 3/8"	And Larger Unmounted Marble Floor Tile, "Rosa Verona".....	23.72	2.13
			For Up To 50, Add	12.33	
			For >50 To 250, Add	1.71	
			For >1,000, Deduct	-0.85	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.72	
			For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0023	SF	12" x 12" x 3/8"	And Larger Unmounted Marble Floor Tile, "Rojo Alicante".....	24.03	2.13
			For Up To 50, Add	12.41	
			For >50 To 250, Add	1.71	
			For >1,000, Deduct	-0.85	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.72	
			For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0024	SF	12" x 12" x 3/8"	And Larger Unmounted Marble Floor Tile, "Emperador Light".....	24.19	2.13
			For Up To 50, Add	12.45	
			For >50 To 250, Add	1.71	
			For >1,000, Deduct	-0.85	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.72	
			For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0025			Granite Floor Tile (09 30 33)		
09 30 33 00-0026	SF	12" x 12" x 3/8"	And Larger Unmounted Granite Floor Tile, "Crystal Gray".....	11.79	2.13
			For Up To 50, Add	9.35	
			For >50 To 250, Add	1.71	
			For >1,000, Deduct	-0.85	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.72	
			For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0027	SF	12" x 12" x 3/8"	And Larger Unmounted Granite Floor Tile, "Peach Flower".....	12.56	2.13
			For Up To 50, Add	9.54	
			For >50 To 250, Add	1.71	
			For >1,000, Deduct	-0.85	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.72	
			For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0028	SF	12" x 12" x 3/8"	And Larger Unmounted Granite Floor Tile, "Golden Yellow".....	13.18	2.13
			For Up To 50, Add	9.69	
			For >50 To 250, Add	1.71	
			For >1,000, Deduct	-0.85	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.72	
			For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0029	SF	12" x 12" x 3/8"	And Larger Unmounted Granite Floor Tile, "Absolute Black".....	15.66	2.13
			For Up To 50, Add	10.31	
			For >50 To 250, Add	1.71	
			For >1,000, Deduct	-0.85	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.72	
			For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	

09 Finishes**09 30 Tiling****09 30 33 Stone Tiling**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

09 30 33 00-0030	SF 12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Tan Brown"	16.14	2.13
	For Up To 50, Add	10.43	
	For >50 To 250, Add	1.71	
	For >1,000, Deduct	-0.85	
	For High-Modulus, High-Strength Epoxy Grout, Add	1.72	
	For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0031	SF 12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Black Galaxy"	16.59	2.13
	For Up To 50, Add	10.55	
	For >50 To 250, Add	1.71	
	For >1,000, Deduct	-0.85	
	For High-Modulus, High-Strength Epoxy Grout, Add	1.72	
	For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0032	SF 12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Kashmir White Or Gold"	17.06	2.13
	For Up To 50, Add	10.66	
	For >50 To 250, Add	1.71	
	For >1,000, Deduct	-0.85	
	For High-Modulus, High-Strength Epoxy Grout, Add	1.72	
	For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0033	SF 12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Giallo Santa Cecilia"	17.61	2.13
	For Up To 50, Add	10.80	
	For >50 To 250, Add	1.71	
	For >1,000, Deduct	-0.85	
	For High-Modulus, High-Strength Epoxy Grout, Add	1.72	
	For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0034	SF 12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Verde UbaTuba"	18.14	2.13
	For Up To 50, Add	10.93	
	For >50 To 250, Add	1.71	
	For >1,000, Deduct	-0.85	
	For High-Modulus, High-Strength Epoxy Grout, Add	1.72	
	For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0035	SF 12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "New Venetian Gold"	18.70	2.13
	For Up To 50, Add	11.07	
	For >50 To 250, Add	1.71	
	For >1,000, Deduct	-0.85	
	For High-Modulus, High-Strength Epoxy Grout, Add	1.72	
	For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0036	SF 12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Tropic Brown"	19.23	2.13
	For Up To 50, Add	11.21	
	For >50 To 250, Add	1.71	
	For >1,000, Deduct	-0.85	
	For High-Modulus, High-Strength Epoxy Grout, Add	1.72	
	For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0037	SF 12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Baltic Brown Or Indian Dakota"	19.85	2.13
	For Up To 50, Add	11.36	
	For >50 To 250, Add	1.71	
	For >1,000, Deduct	-0.85	
	For High-Modulus, High-Strength Epoxy Grout, Add	1.72	
	For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0038	SF 12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Dynamic Blue"	20.47	2.13
	For Up To 50, Add	11.52	
	For >50 To 250, Add	1.71	
	For >1,000, Deduct	-0.85	
	For High-Modulus, High-Strength Epoxy Grout, Add	1.72	
	For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0039	SF 12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Blue Pearl Or Emerald Pearl"	22.64	2.13
	For Up To 50, Add	12.06	
	For >50 To 250, Add	1.71	
	For >1,000, Deduct	-0.85	
	For High-Modulus, High-Strength Epoxy Grout, Add	1.72	
	For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	

09 30 33 00-0040 Slate Floor Tile (09 30 33)

09 30 33 00-0041	SF 12" x 12" And Larger Unmounted Slate Floor Tile, "Raja Classic"	10.86	2.13
	For Up To 50, Add	9.11	
	For >50 To 250, Add	1.71	
	For >1,000, Deduct	-0.85	
	For High-Modulus, High-Strength Epoxy Grout, Add	1.72	
	For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0042	SF 12" x 12" And Larger Unmounted Slate Floor Tile, "Rustic Gold"	11.26	2.13
	For Up To 50, Add	9.21	
	For >50 To 250, Add	1.71	
	For >1,000, Deduct	-0.85	
	For High-Modulus, High-Strength Epoxy Grout, Add	1.72	
	For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0043	SF 12" x 12" And Larger Unmounted Slate Floor Tile, "California Gold Or Black Rust"	11.48	2.13
	For Up To 50, Add	9.27	
	For >50 To 250, Add	1.71	
	For >1,000, Deduct	-0.85	
	For High-Modulus, High-Strength Epoxy Grout, Add	1.72	
	For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0044	SF 12" x 12" And Larger Unmounted Slate Floor Tile, "Indian Autumn"	11.48	2.13
	For Up To 50, Add	9.27	
	For >50 To 250, Add	1.71	
	For >1,000, Deduct	-0.85	
	For High-Modulus, High-Strength Epoxy Grout, Add	1.72	
	For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 30 33 00-0045	SF	12" x 12"	And Larger Unmounted Slate Floor Tile, "China Multi, Earth, Or Autumn Blend"	11.63	2.13
			For Up To 50, Add	9.31	
			For >50 To 250, Add	1.71	
			For >1,000, Deduct	-0.85	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.72	
			For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0046	SF	12" x 12"	And Larger Unmounted Slate Floor Tile, "Lilac Kashmir Or Madras Yellow"	12.10	2.13
			For Up To 50, Add	9.42	
			For >50 To 250, Add	1.71	
			For >1,000, Deduct	-0.85	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.72	
			For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0047	SF	12" x 12"	And Larger Unmounted Slate Floor Tile, "Montauk Blue, Copper Quartzite, Montauk Black, San Rio Rustic, Or Gold Green Quartzite"	12.56	2.13
			For Up To 50, Add	9.54	
			For >50 To 250, Add	1.71	
			For >1,000, Deduct	-0.85	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.72	
			For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0048	SF	12" x 12"	And Larger Unmounted Slate Floor Tile, "Ocean Green Quartzite Or Golden White Quartzite"	12.72	2.13
			For Up To 50, Add	9.58	
			For >50 To 250, Add	1.71	
			For >1,000, Deduct	-0.85	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.72	
			For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0049 Travertine Floor Tile (09 30 33)					
09 30 33 00-0050	SF	12" x 12" x 3/8"	And Larger Unmounted Travertine Floor Tile, "Noce Rustic"	12.56	2.13
			For Up To 50, Add	9.54	
			For >50 To 250, Add	1.71	
			For >1,000, Deduct	-0.85	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.72	
			For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0051	SF	12" x 12" x 3/8"	And Larger Unmounted Travertine Floor Tile, "Denizli Beige Or Oasis Walnut"	13.03	2.13
			For Up To 50, Add	9.66	
			For >50 To 250, Add	1.71	
			For >1,000, Deduct	-0.85	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.72	
			For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0052	SF	12" x 12" x 3/8"	And Larger Unmounted Travertine Floor Tile, "Oasis Gold"	13.34	2.13
			For Up To 50, Add	9.73	
			For >50 To 250, Add	1.71	
			For >1,000, Deduct	-0.85	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.72	
			For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0053	SF	12" x 12" x 3/8"	And Larger Unmounted Travertine Floor Tile, "Navona Light - Ivory"	13.80	2.13
			For Up To 50, Add	9.85	
			For >50 To 250, Add	1.71	
			For >1,000, Deduct	-0.85	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.72	
			For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0054	SF	12" x 12" x 3/8"	And Larger Unmounted Travertine Floor Tile, "Oasis Noce"	13.96	2.13
			For Up To 50, Add	9.89	
			For >50 To 250, Add	1.71	
			For >1,000, Deduct	-0.85	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.72	
			For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0055	SF	12" x 12" x 3/8"	And Larger Unmounted Travertine Floor Tile, "Durango Antique"	14.11	2.13
			For Up To 50, Add	9.93	
			For >50 To 250, Add	1.71	
			For >1,000, Deduct	-0.85	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.72	
			For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0056	SF	12" x 12" x 3/8"	And Larger Unmounted Travertine Floor Tile, "Durango Cream"	15.60	2.13
			For Up To 50, Add	10.30	
			For >50 To 250, Add	1.71	
			For >1,000, Deduct	-0.85	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.72	
			For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0057 Limestone Floor Tile (09 30 33)					
09 30 33 00-0058	SF	12" x 12"	And Larger Unmounted Limestone Floor Tile, "Isis Gold"	15.51	2.13
			For Up To 50, Add	10.28	
			For >50 To 250, Add	1.71	
			For >1,000, Deduct	-0.85	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.72	
			For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0059	SF	12" x 12"	And Larger Unmounted Limestone Floor Tile, "Tiara Beige"	15.97	2.13
			For Up To 50, Add	10.39	
			For >50 To 250, Add	1.71	
			For >1,000, Deduct	-0.85	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.72	
			For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	

09 Finishes**09 30 Tiling****09 30 33 Stone Tiling**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 30 33 00-0060	SF	12" x 12" And Larger Unmounted Limestone Floor Tile, "Halila Cream"	18.39	2.13
		For Up To 50, Add	11.00	
		For >50 To 250, Add	1.71	
		For >1,000, Deduct	-0.85	
		For High-Modulus, High-Strength Epoxy Grout, Add	1.72	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0061	SF	12" x 12" And Larger Unmounted Limestone Floor Tile, "Ramon Gold"	19.85	2.13
		For Up To 50, Add	11.36	
		For >50 To 250, Add	1.71	
		For >1,000, Deduct	-0.85	
		For High-Modulus, High-Strength Epoxy Grout, Add	1.72	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0062	SF	12" x 12" And Larger Unmounted Limestone Floor Tile, "Chestnut Brown Or Jerusalem Bone"	19.85	2.13
		For Up To 50, Add	11.36	
		For >50 To 250, Add	1.71	
		For >1,000, Deduct	-0.85	
		For High-Modulus, High-Strength Epoxy Grout, Add	1.72	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0063	SF	12" x 12" And Larger Unmounted Limestone Floor Tile, "Lagos Blue"	20.31	2.13
		For Up To 50, Add	11.48	
		For >50 To 250, Add	1.71	
		For >1,000, Deduct	-0.85	
		For High-Modulus, High-Strength Epoxy Grout, Add	1.72	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0064	SF	12" x 12" And Larger Unmounted Limestone Floor Tile, "Jura Gray"	22.02	2.13
		For Up To 50, Add	11.90	
		For >50 To 250, Add	1.71	
		For >1,000, Deduct	-0.85	
		For High-Modulus, High-Strength Epoxy Grout, Add	1.72	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	

09 31 Thin-Set Tiling (09 30)

Note: Tile setting methods in this section are used with ceramic or quarry tile materials as applicable, for a complete installation.

09 31 13 Thin-Set Ceramic Tiling (09 31)**09 31 13 00-0001 Thin-Set Ceramic Tiling** (09 31 13)

09 31 13 00-0002	SF	Thin Set - Latex Portland Cement Mortar	1.99	1.13
		For Up To 50, Add	1.78	
		For >50 To 250, Add	0.34	
		For >1,000, Deduct	-0.17	
09 31 13 00-0003	SF	Clean And Scarify Existing Tile For Installation Of New Tile Over Existing	1.09	
		For Up To 50, Add	1.09	
		For >50 To 250, Add	0.22	
		For >1,000, Deduct	-0.11	

09 32 Mortar-Bed Tiling (09 30)

Note: Tile setting methods in this section are used with ceramic or quarry tile materials as applicable, for a complete installation.

09 32 13 Mortar-Bed Ceramic Tiling (09 32)**09 32 13 00-0001 Mortar-Bed Ceramic Tiling** (09 32 13)

09 32 13 00-0002	SF	3/4" Minimum Thickness Portland Cement Mortar Setting Bed	4.78	2.27
		Note: For residential floors. Includes 15 Lb. felt and wire reinforcement.		
		For Up To 50, Add	3.75	
		For >50 To 250, Add	0.68	
		For >1,000, Deduct	-0.34	
		For Exterior Installation (Galvanized Reinforcement), Add	0.15	
09 32 13 00-0003	SF	1-1/4" Minimum Thickness Portland Cement Mortar Setting Bed	6.72	3.04
		Note: For commercial floors. Includes 15 Lb. felt and wire reinforcement.		
		For Up To 50, Add	5.10	
		For >50 To 250, Add	0.91	
		For >1,000, Deduct	-0.46	
		For Exterior Installation (Galvanized Reinforcement), Add	0.15	
09 32 13 00-0004	SF	3/4" Portland Cement Plaster Scratch Coat For Walls	15.97	6.82
		Note: Includes 15 Lb. felt and expanded metal lath.		
		For Up To 50, Add	14.24	
		For >50 To 250, Add	2.73	
		For >1,000, Deduct	-1.37	
		For Exterior Installation (Galvanized Reinforcement), Add	0.15	
		For Installation Without Felt And Metal Lath, Deduct	-2.34	

09 34 Waterproofing-Membrane Tiling (09 30)**09 34 00 00-0001 Bonded Waterproofing System for Tiled Showers, Steam Showers, and Bathtub Surrounds** (09 34)**09 34 00 00-0002 Prefabricated Assemblies For Tiled Showers (Schluter® KERDI Shower ST)** (09 34 00 00-0001)

Note: For creating a watertight sloped shower assembly without a mortar bed. Includes a prefabricated polystyrene foam shower tray, 6" x 4-1/2" prefabricated polystyrene foam shower curb, waterproofing membrane for shower tray and surround, and center shower drain. Excludes tile, mortar, grout and shower accessories.

09 34 00 00-0003	EA	48" x 48", Prefabricated Assembly For Tiled Showers (Schluter® KERDI Shower ST/SC)	1,472.19	
09 34 00 00-0004	EA	32" x 60", Prefabricated Assembly For Tiled Showers (Schluter® KERDI Shower ST/SC)	1,703.45	
09 34 00 00-0005	EA	72" x 72", Prefabricated Assembly For Tiled Showers (Schluter® KERDI Shower ST/SC)	2,519.01	

			Finishes	09	9
			Tiling	09 30	
			Waterproofing-Membrane Tiling	09 34	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

09 34 00 00-0006	Prefabricated Polystyrene Shower Curbs And Ramps (09 34 00 00-0001) Note: Prefabricated shower curbs and ramps for tiling over. Excludes tile.			
09 34 00 00-0007	EA	15-7/8" Width, 48" Length, Prefabricated Polystyrene Shower Ramp (Schluter® SR-122)	178.72	
09 34 00 00-0008	EA	4-1/2" Width, 6" Height, 48" Length, Prefabricated Polystyrene Shower Curb (Schluter® SC-122)	170.22	

09 34 00 00-0009	Prefabricated Polystyrene Shower Benches (09 34 00 00-0001) Note: Prefabricated shower bench for tiling over. Excludes tile.			
09 34 00 00-0010	EA	16" Width, 16" Depth, 20" Height, Triangular Prefabricated Polystyrene Shower Bench (Schluter® SB41)	363.90	
09 34 00 00-0011	EA	32" Width, 16" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB4181)	729.25	
09 34 00 00-0012	EA	48" Width, 16" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB41122)	899.75	
09 34 00 00-0013	EA	32" Width, 11-1/2" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB2981)	656.18	
09 34 00 00-0014	EA	42" Width, 11-1/2" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB29107)	729.25	
09 34 00 00-0015	EA	48" Width, 11-1/2" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB29122)	777.97	

09 34 00 00-0016	Prefabricated Polystyrene Shower Tray (09 34 00 00-0001) Note: Prefabricated shower tray for tiling over. Excludes tile.			
09 34 00 00-0017	EA	32" x 60", Prefabricated Polystyrene Shower Tray (Schluter® ST-81/152)	312.68	
09 34 00 00-0018	EA	48" x 48", Prefabricated Polystyrene Shower Tray (Schluter® ST-122)	312.68	
09 34 00 00-0019	EA	72" x 72", Prefabricated Polystyrene Shower Tray (Schluter® ST-183)	483.18	

09 34 00 00-0020	Waterproofing, Uncoupling And Vapor Management Membranes (Schluter® DITRA) (09 34 00 00-0001)			
09 34 00 00-0021	SF	1/8" Thick, High-Density Polyethylene (HDPE) Membrane With Grid Structure And Underside Anchoring Fleece, Waterproofing, Uncoupling And Vapor Management Membrane (Schluter® DITRA)	5.47	
09 34 00 00-0022	SF	5/16" Thick, High-Density Polyethylene (HDPE) Membrane With Grid Structure And Underside Anchoring Fleece, Waterproofing, Uncoupling And Vapor Management Membrane (Schluter® DITRA-XL)	6.32	

09 34 00 00-0023	Bonded Waterproof Underlayment Membranes (Schluter® KERDI) (09 34 00 00-0001)			
09 34 00 00-0024	SF	0.008" Polyethylene Membrane With Polypropylene Fleece Laminated On Both Sides, Bonded Waterproof Underlayment Membrane (Schluter® KERDI 200/5M)	4.81	

09 35 Chemical-Resistant Tiling (09 30)

Note: Tile setting methods in this section are used with ceramic or quarry tile materials as applicable, for a complete installation.

09 35 13 Chemical-Resistant Ceramic Tiling (09 35)

09 35 13 00-0001	Chemical-Resistant Ceramic Tiling (09 35 13)			
09 35 13 00-0002	SF	Thin Set - Epoxy Mortar	6.35	1.50
Note: Impact and chemical resistant.				
For Up To 50, Add			3.30	
For >50 To 250, Add			0.46	
For >1,000, Deduct			-0.23	

09 39 Tiling Transitions (09 30)

09 39 00 00-0001	Tile Waterproofing And Crack Prevention (09 39)			
09 39 00 00-0002	CSF	30 Mil Waterproofing And Crack Prevention Membrane; RedGard	129.83	

09 39 00 00-0003	Waterproof Strip Membranes (Schluter® KERDI) (09 39)			
09 39 00 00-0004	LF	5" Wide, 4 mil Polyethylene Waterproof Strip Membrane (Schluter® KERDI BAND)	5.96	
09 39 00 00-0005	LF	10" Wide, 12 mil Polyethylene Waterproof Strip Membrane (Schluter® KERDI FLEX)	12.44	

09 39 00 00-0006	Coved Shaped Transition Profiles For Floor To Wall For Tile (09 39)			
09 39 00 00-0007	LF	5/16" Height, Satin Anodized Aluminum Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-AHK)	8.17	
09 39 00 00-0008	LF	3/8" Height, Satin Anodized Aluminum Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-AHK)	8.15	
09 39 00 00-0009	LF	1/2" Height, Satin Anodized Aluminum Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-AHK)	8.45	
09 39 00 00-0010	LF	5/16" Height, PVC Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-PHK)	7.77	
09 39 00 00-0011	LF	3/8" Height, Aluminum Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-PHK)	8.08	

09 39 00 00-0012	Coved Shaped Inside Edge Protection And Transition Profiles For Wall To Wall For Tile (09 39)			
09 39 00 00-0013	LF	9/32" x 9/32" Height, Stainless Steel Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-EHK)	16.76	
09 39 00 00-0014	LF	11/32" x 11/32" Height, Stainless Steel Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-EHK)	17.24	
09 39 00 00-0015	LF	7/16" x 7/16" Height, Stainless Steel Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-EHK)	17.77	

09 39 00 00-0016	Tile Substrate (Schluter® KERDI BOARD) (09 39)			
09 39 00 00-0017	SF	1/2" Tile Substrate And Building Panel (Schluter® KERDI BOARD)	9.81	0.90
09 39 00 00-0018	SF	5/8" Tile Substrate And Building Panel (Schluter® KERDI BOARD)	11.04	1.03

09 39 00 00-0019	Floor Edge Protection And Transition Profiles For Tile (09 39)			
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09	09 Finishes	
	09 30 Tiling	
	09 39 Tiling Transitions	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 39 00 00-0020	LF	1/4" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE).....	4.30		
09 39 00 00-0021	LF	5/16" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE).....	4.43		
09 39 00 00-0022	LF	3/8" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE).....	4.56		
09 39 00 00-0023	LF	1/2" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE).....	4.79		
09 39 00 00-0024	LF	1/4" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS)	5.68		
09 39 00 00-0025	LF	5/16" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS)	5.86		
09 39 00 00-0026	LF	3/8" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS)	5.99		
09 39 00 00-0027	LF	1/2" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS)	6.13		
09 39 00 00-0028	LF	9/16" Height, Aluminum Transition Trim For Tile (Schluter® RENO-T).....	4.51		
09 39 00 00-0029	LF	1" Height, Aluminum Transition Trim For Tile (Schluter® RENO-T)	6.13		
09 39 00 00-0030	LF	1/4" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK).....	5.71		
09 39 00 00-0031	LF	5/16" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK).....	6.00		
09 39 00 00-0032	LF	3/8" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK).....	6.29		
09 39 00 00-0033	LF	1/2" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK).....	7.58		
09 39 00 00-0034	LF	5/16" Height, Aluminum Transition Trim For Tile (Schluter® RENO-U).....	5.90		
09 39 00 00-0035	LF	3/8" Height, Aluminum Transition Trim For Tile (Schluter® RENO-U).....	6.19		
09 39 00 00-0036	LF	1/2" Height, Aluminum Transition Trim For Tile (Schluter® RENO-U).....	7.50		

09 39 00 00-0037 Outside Wall Edge Protection And Transition Profiles For Tile (09 39)

09 39 00 00-0038	LF	1/4" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADDEC).....	5.87		
09 39 00 00-0039	LF	5/16" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADDEC).....	6.18		
09 39 00 00-0040	LF	3/8" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADDEC).....	6.63		
09 39 00 00-0041	LF	1/2" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADDEC).....	7.09		
09 39 00 00-0042	LF	1/4" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC).....	6.49		
09 39 00 00-0043	LF	5/16" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC).....	7.07		
09 39 00 00-0044	LF	3/8" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC).....	7.64		
09 39 00 00-0045	LF	1/2" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC).....	8.65		

09 50 **Ceilings** (09)

Note: Includes cutting for area around columns, speakers, sprinklers, diffusers, etc.

09 51 **Acoustical Ceilings** (09 50)

Note: Excludes suspension system. See CSI section 09 53 00 00-0000 for suspension systems.

09 51 13 **Acoustical Panel Ceilings** (09 51)

Note: Includes cutting around sprinkler heads, speakers, or other penetrations through the ceiling.

09 51 13 00-0001 **Fiberglass Panels** (09 51 13)

09 51 13 00-0002 **Fiberglass Acoustical Panels** (09 51 13 00-0001)

Note: Includes square or tegular edge and class A fire rating.

09 51 13 00-0003	SF	2' x 2' x 3/4" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Optima®)	8.55	0.51	
		For Up To 50, Add	1.95		
		For >50 To 200, Add	1.19		
		For >200 To 500, Add	0.51		
		For >2,500 To 4,000, Deduct	-0.21		
		For >4,000 To 5,000, Deduct	-0.43		
		For >5,000, Deduct	-0.68		
		For Individual Room Quantities <495, Add	1.19		
		Note: For use with projects >500 SF			
		For Ceilings >10' High, Add	0.13		
09 51 13 00-0004	SF	2' x 4' x 3/4" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Optima®)	8.50	0.51	
		For Up To 50, Add	1.94		
		For >50 To 200, Add	1.18		
		For >200 To 500, Add	0.51		
		For >2,500 To 4,000, Deduct	-0.21		
		For >4,000 To 5,000, Deduct	-0.43		
		For >5,000, Deduct	-0.68		
		For Individual Room Quantities <495, Add	1.18		
		Note: For use with projects >500 SF			
		For Ceilings >10' High, Add	0.13		
09 51 13 00-0005	SF	2' x 2' x 1" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Optima®)	9.05	0.64	
		For Up To 50, Add	2.08		
		For >50 To 200, Add	1.27		
		For >200 To 500, Add	0.54		
		For >2,500 To 4,000, Deduct	-0.23		
		For >4,000 To 5,000, Deduct	-0.45		
		For >5,000, Deduct	-0.72		
		For Individual Room Quantities <495, Add	1.27		
		Note: For use with projects >500 SF			
		For Ceilings >10' High, Add	0.14		
09 51 13 00-0006	SF	2' x 4' x 1" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Optima®)	9.14	0.64	
		For Up To 50, Add	2.09		
		For >50 To 200, Add	1.27		
		For >200 To 500, Add	0.55		
		For >2,500 To 4,000, Deduct	-0.23		
		For >4,000 To 5,000, Deduct	-0.46		
		For >5,000, Deduct	-0.73		
		For Individual Room Quantities <495, Add	1.27		
		Note: For use with projects >500 SF			
		For Ceilings >10' High, Add	0.14		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0007	SF		2' x 2' x 1" Thick, Square or Beveled Tegular Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Optima® 3352, 3354, and 3355)	9.39	0.64
			For Up To 50, Add	2.13	
			For >50 To 200, Add	1.30	
			For >200 To 500, Add	0.56	
			For >2,500 To 4,000, Deduct	-0.23	
			For >4,000 To 5,000, Deduct	-0.47	
			For >5,000, Deduct	-0.75	
			For Individual Room Quantities <495, Add	1.30	
			Note: For use with projects >500 SF		
			For Ceilings >10' High, Add	0.14	
09 51 13 00-0008	SF		2' x 4' x 1" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Optima® 3353)	9.38	0.64
			For Up To 50, Add	2.13	
			For >50 To 200, Add	1.30	
			For >200 To 500, Add	0.56	
			For >2,500 To 4,000, Deduct	-0.23	
			For >4,000 To 5,000, Deduct	-0.47	
			For >5,000, Deduct	-0.75	
			For Individual Room Quantities <495, Add	1.30	
			Note: For use with projects >500 SF		
			For Ceilings >10' High, Add	0.14	
09 51 13 00-0009	SF		2' x 2' x 1" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Lyra™)	9.77	0.64
			For Up To 50, Add	2.19	
			For >50 To 200, Add	1.34	
			For >200 To 500, Add	0.58	
			For >2,500 To 4,000, Deduct	-0.24	
			For >4,000 To 5,000, Deduct	-0.49	
			For >5,000, Deduct	-0.78	
			For Individual Room Quantities <495, Add	1.34	
			Note: For use with projects >500 SF		
			For Ceilings >10' High, Add	0.14	
09 51 13 00-0010	SF		2' x 4' x 1" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Lyra™)	9.76	0.64
			For Up To 50, Add	2.18	
			For >50 To 200, Add	1.34	
			For >200 To 500, Add	0.58	
			For >2,500 To 4,000, Deduct	-0.24	
			For >4,000 To 5,000, Deduct	-0.49	
			For >5,000, Deduct	-0.78	
			For Individual Room Quantities <495, Add	1.34	
			Note: For use with projects >500 SF		
			For Ceilings >10' High, Add	0.14	
09 51 13 00-0011			Mineral Fiber Panels (09 51 13)		
09 51 13 00-0012			Mineral Fiber Acoustical Ceiling Panels (09 51 13 00-0011)		
			Note: Includes square or tegular edge and class A fire rating.		
09 51 13 00-0013	SF		2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Random Textured).....	2.50	0.51
			For Up To 50, Add	1.04	
			For >50 To 200, Add	0.58	
			For >200 To 500, Add	0.21	
			For >2,500 To 4,000, Deduct	-0.06	
			For >4,000 To 5,000, Deduct	-0.13	
			For >5,000, Deduct	-0.23	
			For Individual Room Quantities <495, Add	0.58	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.75	
			For Ceilings >10' High, Add	0.13	
09 51 13 00-0014	SF		2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Random Textured).....	2.48	0.78
			For Up To 50, Add	1.04	
			For >50 To 200, Add	0.58	
			For >200 To 500, Add	0.21	
			For >2,500 To 4,000, Deduct	-0.06	
			For >4,000 To 5,000, Deduct	-0.12	
			For >5,000, Deduct	-0.23	
			For Individual Room Quantities <495, Add	0.58	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.75	
			For Ceilings >10' High, Add	0.13	
09 51 13 00-0015	SF		2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega)	2.94	0.51
			For Up To 50, Add	1.11	
			For >50 To 200, Add	0.63	
			For >200 To 500, Add	0.23	
			For >2,500 To 4,000, Deduct	-0.07	
			For >4,000 To 5,000, Deduct	-0.15	
			For >5,000, Deduct	-0.26	
			For Individual Room Quantities <495, Add	0.63	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.75	
			For Ceilings >10' High, Add	0.13	
09 51 13 00-0016	SF		2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega)	2.93	0.77
			For Up To 50, Add	1.11	
			For >50 To 200, Add	0.63	
			For >200 To 500, Add	0.23	
			For >2,500 To 4,000, Deduct	-0.07	
			For >4,000 To 5,000, Deduct	-0.15	
			For >5,000, Deduct	-0.26	
			For Individual Room Quantities <495, Add	0.63	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.75	
			For Ceilings >10' High, Add	0.13	

09 Finishes**09 50 Ceilings****09 51 Acoustical Ceilings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

09 51 13 00-0017	SF	2' x 2' x 5/8" Thick, Beveled Tegalur Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega)	3.23	0.51
		For Up To 50, Add	1.15	
		For >50 To 200, Add	0.66	
		For >200 To 500, Add	0.25	
		For >2,500 To 4,000, Deduct	-0.08	
		For >4,000 To 5,000, Deduct	-0.16	
		For >5,000, Deduct	-0.28	
		For Individual Room Quantities <495, Add	0.66	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	0.75	
		For Ceilings >10' High, Add	0.13	
09 51 13 00-0018	SF	2' x 4' x 5/8" Thick, Beveled Tegalur Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega)	3.23	0.51
		For Up To 50, Add	1.15	
		For >50 To 200, Add	0.66	
		For >200 To 500, Add	0.25	
		For >2,500 To 4,000, Deduct	-0.08	
		For >4,000 To 5,000, Deduct	-0.16	
		For >5,000, Deduct	-0.28	
		For Individual Room Quantities <495, Add	0.66	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	0.75	
		For Ceilings >10' High, Add	0.13	
09 51 13 00-0019	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega Fire Guard)	3.46	0.77
		For Up To 50, Add	1.19	
		For >50 To 200, Add	0.68	
		For >200 To 500, Add	0.26	
		For >2,500 To 4,000, Deduct	-0.09	
		For >4,000 To 5,000, Deduct	-0.17	
		For >5,000, Deduct	-0.30	
		For Individual Room Quantities <495, Add	0.68	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	0.75	
		For Ceilings >10' High, Add	0.13	
09 51 13 00-0020	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega Fire Guard)	3.47	0.77
		For Up To 50, Add	1.19	
		For >50 To 200, Add	0.68	
		For >200 To 500, Add	0.26	
		For >2,500 To 4,000, Deduct	-0.09	
		For >4,000 To 5,000, Deduct	-0.17	
		For >5,000, Deduct	-0.30	
		For Individual Room Quantities <495, Add	0.68	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	0.75	
		For Ceilings >10' High, Add	0.13	
09 51 13 00-0021	SF	2' x 2' x 5/8" Thick, Beveled Tegalur Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega Fire Guard)	3.77	0.77
		For Up To 50, Add	1.23	
		For >50 To 200, Add	0.71	
		For >200 To 500, Add	0.27	
		For >2,500 To 4,000, Deduct	-0.09	
		For >4,000 To 5,000, Deduct	-0.19	
		For >5,000, Deduct	-0.32	
		For Individual Room Quantities <495, Add	0.71	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	0.75	
		For Ceilings >10' High, Add	0.13	
09 51 13 00-0022	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Designer)	3.21	0.51
		For Up To 50, Add	1.15	
		For >50 To 200, Add	0.66	
		For >200 To 500, Add	0.24	
		For >2,500 To 4,000, Deduct	-0.08	
		For >4,000 To 5,000, Deduct	-0.16	
		For >5,000, Deduct	-0.28	
		For Individual Room Quantities <495, Add	0.66	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	0.75	
		For Ceilings >10' High, Add	0.13	
09 51 13 00-0023	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Designer)	3.20	0.77
		For Up To 50, Add	1.15	
		For >50 To 200, Add	0.65	
		For >200 To 500, Add	0.24	
		For >2,500 To 4,000, Deduct	-0.08	
		For >4,000 To 5,000, Deduct	-0.16	
		For >5,000, Deduct	-0.28	
		For Individual Room Quantities <495, Add	0.65	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	0.75	
		For Ceilings >10' High, Add	0.13	
09 51 13 00-0024	SF	2' x 2' x 5/8" Thick, Beveled Tegalur Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Designer)	3.67	0.51
		For Up To 50, Add	1.22	
		For >50 To 200, Add	0.70	
		For >200 To 500, Add	0.27	
		For >2,500 To 4,000, Deduct	-0.09	
		For >4,000 To 5,000, Deduct	-0.18	
		For >5,000, Deduct	-0.32	
		For Individual Room Quantities <495, Add	0.70	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	0.75	
		For Ceilings >10' High, Add	0.13	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0025	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fissured)	.....	2.94	0.51
		For Up To 50, Add		1.11	
		For >50 To 200, Add		0.63	
		For >200 To 500, Add		0.23	
		For >2,500 To 4,000, Deduct		-0.07	
		For >4,000 To 5,000, Deduct		-0.15	
		For >5,000, Deduct		-0.26	
		For Individual Room Quantities <495, Add		0.63	
		Note: For use with projects >500 SF			
		For Vertical Application, Add		0.75	
		For Ceilings >10' High, Add		0.13	
09 51 13 00-0026	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fissured)	.....	2.93	0.51
		For Up To 50, Add		1.11	
		For >50 To 200, Add		0.63	
		For >200 To 500, Add		0.23	
		For >2,500 To 4,000, Deduct		-0.07	
		For >4,000 To 5,000, Deduct		-0.15	
		For >5,000, Deduct		-0.26	
		For Individual Room Quantities <495, Add		0.63	
		Note: For use with projects >500 SF			
		For Vertical Application, Add		0.75	
		For Ceilings >10' High, Add		0.13	
09 51 13 00-0027	SF	2' x 2' x 5/8" Thick, Beveled Tegalur Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fissured)	.....	3.23	0.51
		For Up To 50, Add		1.15	
		For >50 To 200, Add		0.66	
		For >200 To 500, Add		0.25	
		For >2,500 To 4,000, Deduct		-0.08	
		For >4,000 To 5,000, Deduct		-0.16	
		For >5,000, Deduct		-0.28	
		For Individual Room Quantities <495, Add		0.66	
		Note: For use with projects >500 SF			
		For Vertical Application, Add		0.75	
		For Ceilings >10' High, Add		0.13	
09 51 13 00-0028	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	.....	2.96	0.51
		For Up To 50, Add		1.11	
		For >50 To 200, Add		0.63	
		For >200 To 500, Add		0.23	
		For >2,500 To 4,000, Deduct		-0.07	
		For >4,000 To 5,000, Deduct		-0.15	
		For >5,000, Deduct		-0.26	
		For Individual Room Quantities <495, Add		0.63	
		Note: For use with projects >500 SF			
		For Vertical Application, Add		0.75	
		For Ceilings >10' High, Add		0.13	
09 51 13 00-0029	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	.....	2.96	0.51
		For Up To 50, Add		1.11	
		For >50 To 200, Add		0.63	
		For >200 To 500, Add		0.23	
		For >2,500 To 4,000, Deduct		-0.07	
		For >4,000 To 5,000, Deduct		-0.15	
		For >5,000, Deduct		-0.26	
		For Individual Room Quantities <495, Add		0.63	
		Note: For use with projects >500 SF			
		For Vertical Application, Add		0.75	
		For Ceilings >10' High, Add		0.13	
09 51 13 00-0030	SF	2' x 2' x 5/8" Thick, Beveled Tegalur Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	.....	3.38	0.51
		For Up To 50, Add		1.18	
		For >50 To 200, Add		0.67	
		For >200 To 500, Add		0.25	
		For >2,500 To 4,000, Deduct		-0.08	
		For >4,000 To 5,000, Deduct		-0.17	
		For >5,000, Deduct		-0.30	
		For Individual Room Quantities <495, Add		0.67	
		Note: For use with projects >500 SF			
		For Vertical Application, Add		0.75	
		For Ceilings >10' High, Add		0.13	
09 51 13 00-0031	SF	2' x 4' x 5/8" Thick, Beveled Tegalur Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	.....	3.38	0.51
		For Up To 50, Add		1.18	
		For >50 To 200, Add		0.67	
		For >200 To 500, Add		0.25	
		For >2,500 To 4,000, Deduct		-0.08	
		For >4,000 To 5,000, Deduct		-0.17	
		For >5,000, Deduct		-0.30	
		For Individual Room Quantities <495, Add		0.67	
		Note: For use with projects >500 SF			
		For Vertical Application, Add		0.75	
		For Ceilings >10' High, Add		0.13	
09 51 13 00-0032	SF	2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	.....	3.55	0.51
		For Up To 50, Add		1.20	
		For >50 To 200, Add		0.69	
		For >200 To 500, Add		0.26	
		For >2,500 To 4,000, Deduct		-0.09	
		For >4,000 To 5,000, Deduct		-0.18	
		For >5,000, Deduct		-0.31	
		For Individual Room Quantities <495, Add		0.69	
		Note: For use with projects >500 SF			
		For Vertical Application, Add		0.75	
		For Ceilings >10' High, Add		0.13	

09 Finishes**09 50 Ceilings****09 51 Acoustical Ceilings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

09 51 13 00-0033	SF	2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured).....	4.16	0.51
		For Up To 50, Add	1.29	
		For >50 To 200, Add	0.75	
		For >200 To 500, Add	0.29	
		For >2,500 To 4,000, Deduct	-0.10	
		For >4,000 To 5,000, Deduct	-0.21	
		For >5,000, Deduct	-0.35	
		For Individual Room Quantities <495, Add	0.75	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	0.75	
		For Ceilings >10' High, Add	0.13	
09 51 13 00-0034	SF	2' x 2' x 3/4" Thick, Beveled Tegalur Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	3.46	0.51
		For Up To 50, Add	1.19	
		For >50 To 200, Add	0.68	
		For >200 To 500, Add	0.26	
		For >2,500 To 4,000, Deduct	-0.09	
		For >4,000 To 5,000, Deduct	-0.17	
		For >5,000, Deduct	-0.30	
		For Individual Room Quantities <495, Add	0.68	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	0.75	
		For Ceilings >10' High, Add	0.13	
09 51 13 00-0035	SF	2' x 4' x 3/4" Thick, Beveled Tegalur Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	4.19	0.51
		For Up To 50, Add	1.30	
		For >50 To 200, Add	0.75	
		For >200 To 500, Add	0.29	
		For >2,500 To 4,000, Deduct	-0.10	
		For >4,000 To 5,000, Deduct	-0.21	
		For >5,000, Deduct	-0.36	
		For Individual Room Quantities <495, Add	0.75	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	0.75	
		For Ceilings >10' High, Add	0.13	
09 51 13 00-0036	SF	30" x 60" x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured).....	3.26	0.51
		For Up To 50, Add	1.16	
		For >50 To 200, Add	0.66	
		For >200 To 500, Add	0.25	
		For >2,500 To 4,000, Deduct	-0.08	
		For >4,000 To 5,000, Deduct	-0.16	
		For >5,000, Deduct	-0.29	
		For Individual Room Quantities <495, Add	0.66	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	0.75	
		For Ceilings >10' High, Add	0.13	
09 51 13 00-0037	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured Fire Guard).....	3.55	0.77
		For Up To 50, Add	1.20	
		For >50 To 200, Add	0.69	
		For >200 To 500, Add	0.26	
		For >2,500 To 4,000, Deduct	-0.09	
		For >4,000 To 5,000, Deduct	-0.18	
		For >5,000, Deduct	-0.31	
		For Individual Room Quantities <495, Add	0.69	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	0.75	
		For Ceilings >10' High, Add	0.13	
09 51 13 00-0038	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured Fire Guard).....	3.49	0.77
		For Up To 50, Add	1.19	
		For >50 To 200, Add	0.68	
		For >200 To 500, Add	0.26	
		For >2,500 To 4,000, Deduct	-0.09	
		For >4,000 To 5,000, Deduct	-0.17	
		For >5,000, Deduct	-0.30	
		For Individual Room Quantities <495, Add	0.68	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	0.75	
		For Ceilings >10' High, Add	0.13	
09 51 13 00-0039	SF	2' x 2' x 5/8" Thick, Beveled Tegalur Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured Fire Guard)	3.92	0.77
		For Up To 50, Add	1.26	
		For >50 To 200, Add	0.73	
		For >200 To 500, Add	0.28	
		For >2,500 To 4,000, Deduct	-0.10	
		For >4,000 To 5,000, Deduct	-0.20	
		For >5,000, Deduct	-0.34	
		For Individual Room Quantities <495, Add	0.73	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	0.75	
		For Ceilings >10' High, Add	0.13	
09 51 13 00-0040	SF	2' x 4' x 5/8" Thick, Beveled Tegalur Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured Fire Guard)	3.92	0.77
		For Up To 50, Add	1.26	
		For >50 To 200, Add	0.73	
		For >200 To 500, Add	0.28	
		For >2,500 To 4,000, Deduct	-0.10	
		For >4,000 To 5,000, Deduct	-0.20	
		For >5,000, Deduct	-0.34	
		For Individual Room Quantities <495, Add	0.73	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	0.75	
		For Ceilings >10' High, Add	0.13	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0041	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ceramaguard Fine Fissured).....	9.22	0.90	
		For Vertical Application, Add	0.75		
		For Ceilings >10' High, Add	0.13		
09 51 13 00-0042	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Georgian™).....	3.74	0.51	
		For Up To 50, Add	1.23		
		For >50 To 200, Add	0.71		
		For >200 To 500, Add	0.27		
		For >2,500 To 4,000, Deduct	-0.09		
		For >4,000 To 5,000, Deduct	-0.19		
		For >5,000, Deduct	-0.32		
		For Individual Room Quantities <495, Add	0.71		
		Note: For use with projects >500 SF			
		For Vertical Application, Add	0.75		
		For Ceilings >10' High, Add	0.13		
09 51 13 00-0043	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Georgian™).....	3.73	0.51	
		For Up To 50, Add	1.23		
		For >50 To 200, Add	0.71		
		For >200 To 500, Add	0.27		
		For >2,500 To 4,000, Deduct	-0.09		
		For >4,000 To 5,000, Deduct	-0.19		
		For >5,000, Deduct	-0.32		
		For Individual Room Quantities <495, Add	0.71		
		Note: For use with projects >500 SF			
		For Vertical Application, Add	0.75		
		For Ceilings >10' High, Add	0.13		
09 51 13 00-0044	SF	2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Georgian™).....	4.36	0.51	
		For Up To 50, Add	1.32		
		For >50 To 200, Add	0.77		
		For >200 To 500, Add	0.30		
		For >2,500 To 4,000, Deduct	-0.11		
		For >4,000 To 5,000, Deduct	-0.22		
		For >5,000, Deduct	-0.37		
		For Individual Room Quantities <495, Add	0.77		
		Note: For use with projects >500 SF			
		For Vertical Application, Add	0.75		
		For Ceilings >10' High, Add	0.13		
09 51 13 00-0045	SF	2' x 2' x 5/8" Thick, Beveled Tegalur Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Georgian™).....	3.99	0.51	
		For Up To 50, Add	1.27		
		For >50 To 200, Add	0.73		
		For >200 To 500, Add	0.28		
		For >2,500 To 4,000, Deduct	-0.10		
		For >4,000 To 5,000, Deduct	-0.20		
		For >5,000, Deduct	-0.34		
		For Individual Room Quantities <495, Add	0.73		
		Note: For use with projects >500 SF			
		For Vertical Application, Add	0.75		
		For Ceilings >10' High, Add	0.13		
09 51 13 00-0046	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune).....	3.94	0.51	
		For Up To 50, Add	1.26		
		For >50 To 200, Add	0.73		
		For >200 To 500, Add	0.28		
		For >2,500 To 4,000, Deduct	-0.10		
		For >4,000 To 5,000, Deduct	-0.20		
		For >5,000, Deduct	-0.34		
		For Individual Room Quantities <495, Add	0.73		
		Note: For use with projects >500 SF			
		For Vertical Application, Add	0.75		
		For Ceilings >10' High, Add	0.13		
09 51 13 00-0047	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune).....	3.94	0.51	
		For Up To 50, Add	1.26		
		For >50 To 200, Add	0.73		
		For >200 To 500, Add	0.28		
		For >2,500 To 4,000, Deduct	-0.10		
		For >4,000 To 5,000, Deduct	-0.20		
		For >5,000, Deduct	-0.34		
		For Individual Room Quantities <495, Add	0.73		
		Note: For use with projects >500 SF			
		For Vertical Application, Add	0.75		
		For Ceilings >10' High, Add	0.13		
09 51 13 00-0048	SF	2' x 2' x 5/8" Thick, Beveled Tegalur Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune).....	4.14	0.51	
		For Up To 50, Add	1.29		
		For >50 To 200, Add	0.75		
		For >200 To 500, Add	0.29		
		For >2,500 To 4,000, Deduct	-0.10		
		For >4,000 To 5,000, Deduct	-0.21		
		For >5,000, Deduct	-0.35		
		For Individual Room Quantities <495, Add	0.75		
		Note: For use with projects >500 SF			
		For Vertical Application, Add	0.75		
		For Ceilings >10' High, Add	0.13		
09 51 13 00-0049	SF	2' x 4' x 5/8" Thick, Beveled Tegalur Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune).....	4.30	0.51	
		For Up To 50, Add	1.31		
		For >50 To 200, Add	0.76		
		For >200 To 500, Add	0.30		
		For >2,500 To 4,000, Deduct	-0.11		
		For >4,000 To 5,000, Deduct	-0.22		
		For >5,000, Deduct	-0.36		
		For Individual Room Quantities <495, Add	0.76		
		Note: For use with projects >500 SF			
		For Vertical Application, Add	0.75		
		For Ceilings >10' High, Add	0.13		

09 Finishes**09 50 Ceilings****09 51 Acoustical Ceilings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

09 51 13 00-0050	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune Fire Guard).....	4.53	0.51
		For Up To 50, Add	1.35	
		For >50 To 200, Add	0.79	
		For >200 To 500, Add	0.31	
		For >2,500 To 4,000, Deduct	-0.11	
		For >4,000 To 5,000, Deduct	-0.23	
		For >5,000, Deduct	-0.38	
		For Individual Room Quantities <495, Add	0.79	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	0.75	
		For Ceilings >10' High, Add	0.13	
09 51 13 00-0051	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune Fire Guard).....	4.49	0.51
		For Up To 50, Add	1.34	
		For >50 To 200, Add	0.78	
		For >200 To 500, Add	0.31	
		For >2,500 To 4,000, Deduct	-0.11	
		For >4,000 To 5,000, Deduct	-0.22	
		For >5,000, Deduct	-0.38	
		For Individual Room Quantities <495, Add	0.78	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	0.75	
		For Ceilings >10' High, Add	0.13	
09 51 13 00-0052	SF	2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Mesa)	4.37	0.77
		For Up To 50, Add	1.32	
		For >50 To 200, Add	0.77	
		For >200 To 500, Add	0.30	
		For >2,500 To 4,000, Deduct	-0.11	
		For >4,000 To 5,000, Deduct	-0.22	
		For >5,000, Deduct	-0.37	
		For Individual Room Quantities <495, Add	0.77	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	0.75	
		For Ceilings >10' High, Add	0.13	
09 51 13 00-0053	SF	2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Mesa)	4.36	0.77
		For Up To 50, Add	1.32	
		For >50 To 200, Add	0.77	
		For >200 To 500, Add	0.30	
		For >2,500 To 4,000, Deduct	-0.11	
		For >4,000 To 5,000, Deduct	-0.22	
		For >5,000, Deduct	-0.37	
		For Individual Room Quantities <495, Add	0.77	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	0.75	
		For Ceilings >10' High, Add	0.13	
09 51 13 00-0054	SF	2' x 2' x 3/4" Thick, Beveled Tegalur Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Mesa).....	4.71	0.51
		For Up To 50, Add	1.37	
		For >50 To 200, Add	0.81	
		For >200 To 500, Add	0.32	
		For >2,500 To 4,000, Deduct	-0.12	
		For >4,000 To 5,000, Deduct	-0.24	
		For >5,000, Deduct	-0.40	
		For Individual Room Quantities <495, Add	0.81	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	0.75	
		For Ceilings >10' High, Add	0.13	
09 51 13 00-0055	SF	2' x 4' x 3/4" Thick, Beveled Tegalur Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Mesa).....	4.61	0.51
		For Up To 50, Add	1.36	
		For >50 To 200, Add	0.80	
		For >200 To 500, Add	0.31	
		For >2,500 To 4,000, Deduct	-0.12	
		For >4,000 To 5,000, Deduct	-0.23	
		For >5,000, Deduct	-0.39	
		For Individual Room Quantities <495, Add	0.80	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	0.75	
		For Ceilings >10' High, Add	0.13	
09 51 13 00-0056	SF	2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cirrus).....	5.64	0.77
		For Up To 50, Add	1.51	
		For >50 To 200, Add	0.90	
		For >200 To 500, Add	0.37	
		For >2,500 To 4,000, Deduct	-0.14	
		For >4,000 To 5,000, Deduct	-0.28	
		For >5,000, Deduct	-0.46	
		For Individual Room Quantities <495, Add	0.90	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	0.75	
		For Ceilings >10' High, Add	0.13	
09 51 13 00-0057	SF	2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cirrus).....	5.59	0.77
		For Up To 50, Add	1.51	
		For >50 To 200, Add	0.89	
		For >200 To 500, Add	0.36	
		For >2,500 To 4,000, Deduct	-0.14	
		For >4,000 To 5,000, Deduct	-0.28	
		For >5,000, Deduct	-0.46	
		For Individual Room Quantities <495, Add	0.89	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	0.75	
		For Ceilings >10' High, Add	0.13	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0058	SF	2' x 2' x 3/4" Thick, Beveled Tegal Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cirrus)	5.64	0.77	
		For Up To 50, Add	1.51		
		For >50 To 200, Add	0.90		
		For >200 To 500, Add	0.37		
		For >2,500 To 4,000, Deduct	-0.14		
		For >4,000 To 5,000, Deduct	-0.28		
		For >5,000, Deduct	-0.46		
		For Individual Room Quantities <495, Add	0.90		
		Note: For use with projects >500 SF			
		For Vertical Application, Add	0.75		
		For Ceilings >10' High, Add	0.13		
09 51 13 00-0059	SF	2' x 4' x 3/4" Thick, Beveled Tegal Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cirrus)	5.59	0.77	
		For Up To 50, Add	1.51		
		For >50 To 200, Add	0.89		
		For >200 To 500, Add	0.36		
		For >2,500 To 4,000, Deduct	-0.14		
		For >4,000 To 5,000, Deduct	-0.28		
		For >5,000, Deduct	-0.46		
		For Individual Room Quantities <495, Add	0.89		
		Note: For use with projects >500 SF			
		For Vertical Application, Add	0.75		
		For Ceilings >10' High, Add	0.13		
09 51 13 00-0060	SF	2' x 4' x 3/4" Thick, Beveled Tegal Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cirrus Second Look)	6.17	0.51	
		For Up To 50, Add	1.59		
		For >50 To 200, Add	0.95		
		For >200 To 500, Add	0.39		
		For >2,500 To 4,000, Deduct	-0.15		
		For >4,000 To 5,000, Deduct	-0.31		
		For >5,000, Deduct	-0.50		
		For Individual Room Quantities <495, Add	0.95		
		Note: For use with projects >500 SF			
		For Vertical Application, Add	0.75		
		For Ceilings >10' High, Add	0.13		
09 51 13 00-0061	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Tundra)	6.13	0.77	
		For Up To 50, Add	1.59		
		For >50 To 200, Add	0.95		
		For >200 To 500, Add	0.39		
		For >2,500 To 4,000, Deduct	-0.15		
		For >4,000 To 5,000, Deduct	-0.31		
		For >5,000, Deduct	-0.50		
		For Individual Room Quantities <495, Add	0.95		
		Note: For use with projects >500 SF			
		For Vertical Application, Add	0.75		
		For Ceilings >10' High, Add	0.13		
09 51 13 00-0062	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Tundra)	6.11	0.77	
		For Up To 50, Add	1.58		
		For >50 To 200, Add	0.95		
		For >200 To 500, Add	0.39		
		For >2,500 To 4,000, Deduct	-0.15		
		For >4,000 To 5,000, Deduct	-0.31		
		For >5,000, Deduct	-0.50		
		For Individual Room Quantities <495, Add	0.95		
		Note: For use with projects >500 SF			
		For Vertical Application, Add	0.75		
		For Ceilings >10' High, Add	0.13		
09 51 13 00-0063	SF	2' x 2' x 5/8" Thick, Beveled Tegal Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Tundra)	6.60	0.51	
		For Up To 50, Add	1.66		
		For >50 To 200, Add	0.99		
		For >200 To 500, Add	0.41		
		For >2,500 To 4,000, Deduct	-0.17		
		For >4,000 To 5,000, Deduct	-0.33		
		For >5,000, Deduct	-0.54		
		For Individual Room Quantities <495, Add	0.99		
		Note: For use with projects >500 SF			
		For Vertical Application, Add	0.75		
		For Ceilings >10' High, Add	0.13		
09 51 13 00-0064	SF	2' x 4' x 5/8" Thick, Beveled Tegal Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Tundra)	6.60	0.51	
		For Up To 50, Add	1.66		
		For >50 To 200, Add	0.99		
		For >200 To 500, Add	0.41		
		For >2,500 To 4,000, Deduct	-0.17		
		For >4,000 To 5,000, Deduct	-0.33		
		For >5,000, Deduct	-0.54		
		For Individual Room Quantities <495, Add	0.99		
		Note: For use with projects >500 SF			
		For Vertical Application, Add	0.75		
		For Ceilings >10' High, Add	0.13		
09 51 13 00-0065	SF	2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima®)	6.15	0.51	
		For Up To 50, Add	1.59		
		For >50 To 200, Add	0.95		
		For >200 To 500, Add	0.39		
		For >2,500 To 4,000, Deduct	-0.15		
		For >4,000 To 5,000, Deduct	-0.31		
		For >5,000, Deduct	-0.50		
		For Individual Room Quantities <495, Add	0.95		
		Note: For use with projects >500 SF			
		For Vertical Application, Add	0.75		
		For Ceilings >10' High, Add	0.13		

09 Finishes**09 50 Ceilings****09 51 Acoustical Ceilings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

09 51 13 00-0066	SF	2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima®)	6.15	0.51
		For Up To 50, Add	1.59	
		For >50 To 200, Add	0.95	
		For >200 To 500, Add	0.39	
		For >2,500 To 4,000, Deduct	-0.15	
		For >4,000 To 5,000, Deduct	-0.31	
		For >5,000, Deduct	-0.50	
		For Individual Room Quantities <495, Add	0.95	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	0.75	
		For Ceilings >10' High, Add	0.13	
09 51 13 00-0067	SF	2' x 2' x 3/4" Thick, Beveled Tegal Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima®)	6.15	0.51
		For Up To 50, Add	1.59	
		For >50 To 200, Add	0.95	
		For >200 To 500, Add	0.39	
		For >2,500 To 4,000, Deduct	-0.15	
		For >4,000 To 5,000, Deduct	-0.31	
		For >5,000, Deduct	-0.50	
		For Individual Room Quantities <495, Add	0.95	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	0.75	
		For Ceilings >10' High, Add	0.13	
09 51 13 00-0068	SF	2' x 4' x 3/4" Thick, Beveled Tegal Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima®)	6.15	0.51
		For Up To 50, Add	1.59	
		For >50 To 200, Add	0.95	
		For >200 To 500, Add	0.39	
		For >2,500 To 4,000, Deduct	-0.15	
		For >4,000 To 5,000, Deduct	-0.31	
		For >5,000, Deduct	-0.50	
		For Individual Room Quantities <495, Add	0.95	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	0.75	
		For Ceilings >10' High, Add	0.13	
09 51 13 00-0069	SF	2' x 2' x 7/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima High-NRC)	6.61	0.64
		For Up To 50, Add	1.71	
		For >50 To 200, Add	1.02	
		For >200 To 500, Add	0.42	
		For >2,500 To 4,000, Deduct	-0.17	
		For >4,000 To 5,000, Deduct	-0.33	
		For >5,000, Deduct	-0.54	
		For Individual Room Quantities <495, Add	1.02	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	0.81	
		For Ceilings >10' High, Add	0.14	
09 51 13 00-0070	SF	2' x 4' x 7/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima High-NRC)	6.61	0.64
		For Up To 50, Add	1.71	
		For >50 To 200, Add	1.02	
		For >200 To 500, Add	0.42	
		For >2,500 To 4,000, Deduct	-0.17	
		For >4,000 To 5,000, Deduct	-0.33	
		For >5,000, Deduct	-0.54	
		For Individual Room Quantities <495, Add	1.02	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	0.81	
		For Ceilings >10' High, Add	0.14	
09 51 13 00-0071	SF	2' x 2' x 7/8" Thick, Beveled Tegal Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima High-NRC)	6.61	0.64
		For Up To 50, Add	1.71	
		For >50 To 200, Add	1.02	
		For >200 To 500, Add	0.42	
		For >2,500 To 4,000, Deduct	-0.17	
		For >4,000 To 5,000, Deduct	-0.33	
		For >5,000, Deduct	-0.54	
		For Individual Room Quantities <495, Add	1.02	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	0.81	
		For Ceilings >10' High, Add	0.14	
09 51 13 00-0072	SF	2' x 4' x 7/8" Thick, Beveled Tegal Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima High-NRC)	6.61	0.64
		For Up To 50, Add	1.71	
		For >50 To 200, Add	1.02	
		For >200 To 500, Add	0.42	
		For >2,500 To 4,000, Deduct	-0.17	
		For >4,000 To 5,000, Deduct	-0.33	
		For >5,000, Deduct	-0.54	
		For Individual Room Quantities <495, Add	1.02	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	0.81	
		For Ceilings >10' High, Add	0.14	
09 51 13 00-0073	SF	2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™)	6.92	0.51
		For Up To 50, Add	1.71	
		For >50 To 200, Add	1.03	
		For >200 To 500, Add	0.43	
		For >2,500 To 4,000, Deduct	-0.17	
		For >4,000 To 5,000, Deduct	-0.35	
		For >5,000, Deduct	-0.56	
		For Individual Room Quantities <495, Add	1.03	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	0.75	
		For Ceilings >10' High, Add	0.13	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0074	SF	2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™)	6.92	0.51	
		For Up To 50, Add	1.71		
		For >50 To 200, Add	1.03		
		For >200 To 500, Add	0.43		
		For >2,500 To 4,000, Deduct	-0.17		
		For >4,000 To 5,000, Deduct	-0.35		
		For >5,000, Deduct	-0.56		
		For Individual Room Quantities <495, Add	1.03		
		Note: For use with projects >500 SF			
		For Vertical Application, Add	0.75		
		For Ceilings >10' High, Add	0.13		
09 51 13 00-0075	SF	2' x 2' x 3/4" Thick, Beveled Tegalur Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™)	6.92	0.51	
		For Up To 50, Add	1.71		
		For >50 To 200, Add	1.03		
		For >200 To 500, Add	0.43		
		For >2,500 To 4,000, Deduct	-0.17		
		For >4,000 To 5,000, Deduct	-0.35		
		For >5,000, Deduct	-0.56		
		For Individual Room Quantities <495, Add	1.03		
		Note: For use with projects >500 SF			
		For Vertical Application, Add	0.75		
		For Ceilings >10' High, Add	0.13		
09 51 13 00-0076	SF	2' x 2' x 7/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™ High-NRC)	7.85	0.51	
		For Up To 50, Add	1.90		
		For >50 To 200, Add	1.15		
		For >200 To 500, Add	0.48		
		For >2,500 To 4,000, Deduct	-0.20		
		For >4,000 To 5,000, Deduct	-0.39		
		For >5,000, Deduct	-0.63		
		For Individual Room Quantities <495, Add	1.15		
		Note: For use with projects >500 SF			
		For Vertical Application, Add	0.81		
		For Ceilings >10' High, Add	0.14		
09 51 13 00-0077	SF	2' x 4' x 7/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™ High-NRC)	7.74	0.51	
		For Up To 50, Add	1.88		
		For >50 To 200, Add	1.13		
		For >200 To 500, Add	0.48		
		For >2,500 To 4,000, Deduct	-0.19		
		For >4,000 To 5,000, Deduct	-0.39		
		For >5,000, Deduct	-0.63		
		For Individual Room Quantities <495, Add	1.13		
		Note: For use with projects >500 SF			
		For Vertical Application, Add	0.81		
		For Ceilings >10' High, Add	0.14		
09 51 13 00-0078	SF	2' x 2' x 7/8" Thick, Beveled Tegalur Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™ High-NRC)	7.79	0.51	
		For Up To 50, Add	1.89		
		For >50 To 200, Add	1.14		
		For >200 To 500, Add	0.48		
		For >2,500 To 4,000, Deduct	-0.19		
		For >4,000 To 5,000, Deduct	-0.39		
		For >5,000, Deduct	-0.63		
		For Individual Room Quantities <495, Add	1.14		
		Note: For use with projects >500 SF			
		For Vertical Application, Add	0.81		
		For Ceilings >10' High, Add	0.14		
09 51 13 00-0079	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong VL)	7.30	0.51	
		For Up To 50, Add	1.76		
		For >50 To 200, Add	1.06		
		For >200 To 500, Add	0.45		
		For >2,500 To 4,000, Deduct	-0.18		
		For >4,000 To 5,000, Deduct	-0.37		
		For >5,000, Deduct	-0.59		
		For Individual Room Quantities <495, Add	1.06		
		Note: For use with projects >500 SF			
		For Vertical Application, Add	0.75		
		For Ceilings >10' High, Add	0.13		
09 51 13 00-0080	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong VL)	7.16	0.51	
		For Up To 50, Add	1.74		
		For >50 To 200, Add	1.05		
		For >200 To 500, Add	0.44		
		For >2,500 To 4,000, Deduct	-0.18		
		For >4,000 To 5,000, Deduct	-0.36		
		For >5,000, Deduct	-0.58		
		For Individual Room Quantities <495, Add	1.05		
		Note: For use with projects >500 SF			
		For Vertical Application, Add	0.75		
		For Ceilings >10' High, Add	0.13		
09 51 13 00-0081	SF	2' x 2' x 1" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Calla)	7.93	0.64	
		For Up To 50, Add	1.91		
		For >50 To 200, Add	1.15		
		For >200 To 500, Add	0.49		
		For >2,500 To 4,000, Deduct	-0.20		
		For >4,000 To 5,000, Deduct	-0.40		
		For >5,000, Deduct	-0.64		
		For Individual Room Quantities <495, Add	1.15		
		Note: For use with projects >500 SF			
		For Vertical Application, Add	0.81		
		For Ceilings >10' High, Add	0.14		

09 Finishes**09 50 Ceilings****09 51 Acoustical Ceilings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

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UNIT COST

UNIT COST

09 51 13 00-0082	SF	2' x 4' x 1" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Calla)	7.93	0.64
		For Up To 50, Add	1.91	
		For >50 To 200, Add	1.15	
		For >200 To 500, Add	0.49	
		For >2,500 To 4,000, Deduct	-0.20	
		For >4,000 To 5,000, Deduct	-0.40	
		For >5,000, Deduct	-0.64	
		For Individual Room Quantities <495, Add	1.15	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	0.81	
		For Ceilings >10' High, Add	0.14	
09 51 13 00-0083	SF	2' x 2' x 1" Thick, Beveled Tegal Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Calla)	7.93	0.51
		For Up To 50, Add	1.91	
		For >50 To 200, Add	1.15	
		For >200 To 500, Add	0.49	
		For >2,500 To 4,000, Deduct	-0.20	
		For >4,000 To 5,000, Deduct	-0.40	
		For >5,000, Deduct	-0.64	
		For Individual Room Quantities <495, Add	1.15	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	0.81	
		For Ceilings >10' High, Add	0.14	
09 51 13 00-0084	SF	2' x 4' x 1" Thick, Beveled Tegal Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Calla)	7.93	0.64
		For Up To 50, Add	1.91	
		For >50 To 200, Add	1.15	
		For >200 To 500, Add	0.49	
		For >2,500 To 4,000, Deduct	-0.20	
		For >4,000 To 5,000, Deduct	-0.40	
		For >5,000, Deduct	-0.64	
		For Individual Room Quantities <495, Add	1.15	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	0.81	
		For Ceilings >10' High, Add	0.14	
09 51 13 00-0085	SF	20" x 60" x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (USG Radar™ 2617)	2.87	0.51
		For Individual Room Quantities <495, Add	0.62	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	0.75	
		For Ceilings >10' High, Add	0.13	
09 51 13 00-0086	SF	20" x 60" x 5/8" Thick, Tapered Edge, Mineral Fiber Acoustical Ceiling Panel (USG Radar™ 2627)	2.95	0.51
		For Individual Room Quantities <495, Add	0.63	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	0.75	
		For Ceilings >10' High, Add	0.13	
09 51 13 00-0087	SF	2' x 4' x 3/4" Tapered Edge, Mineral Fiber Acoustical Ceiling Panel (USG Radar™ Illusion Basic Two 2742)	4.39	0.51
		For Individual Room Quantities <495, Add	0.77	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	0.75	
		For Ceilings >10' High, Add	0.13	

09 51 13 00-0088 Wood Fiber Panels (09 51 13)

09 51 13 00-0089	SF	2' x 2' x 1/2" Wood Fiber Acoustical Ceiling Panels	7.08	0.77
		For Up To 50, Add	1.98	
		For >50 To 200, Add	1.17	
		For >200 To 500, Add	0.47	
		For >2,500 To 4,000, Deduct	-0.18	
		For >4,000 To 5,000, Deduct	-0.35	
		For >5,000, Deduct	-0.59	
		For Individual Room Quantities <495, Add	1.17	
		Note: For use with projects >500 SF		
		For Ceilings >10' High, Add	0.17	
09 51 13 00-0090	SF	2' x 4' x 1/2" Wood Fiber Acoustical Ceiling Panels	6.84	0.77
		For Up To 50, Add	1.85	
		For >50 To 200, Add	1.09	
		For >200 To 500, Add	0.44	
		For >2,500 To 4,000, Deduct	-0.17	
		For >4,000 To 5,000, Deduct	-0.34	
		For >5,000, Deduct	-0.56	
		For Individual Room Quantities <495, Add	1.09	
		Note: For use with projects >500 SF		
		For Ceilings >10' High, Add	0.15	
09 51 13 00-0091	SF	2' x 2' x 5/8" Wood Fiber Acoustical Ceiling Panels	9.22	0.77
		For Up To 50, Add	2.30	
		For >50 To 200, Add	1.38	
		For >200 To 500, Add	0.58	
		For >2,500 To 4,000, Deduct	-0.23	
		For >4,000 To 5,000, Deduct	-0.46	
		For >5,000, Deduct	-0.75	
		For Individual Room Quantities <495, Add	1.38	
		Note: For use with projects >500 SF		
		For Ceilings >10' High, Add	0.17	
09 51 13 00-0092	SF	2' x 4' x 5/8" Wood Fiber Acoustical Ceiling Panels	8.98	0.77
		For Up To 50, Add	2.17	
		For >50 To 200, Add	1.31	
		For >200 To 500, Add	0.55	
		For >2,500 To 4,000, Deduct	-0.22	
		For >4,000 To 5,000, Deduct	-0.45	
		For >5,000, Deduct	-0.72	
		For Individual Room Quantities <495, Add	1.31	
		Note: For use with projects >500 SF		
		For Ceilings >10' High, Add	0.15	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0093	SF	2' x 2' x 3/4"	Wood Fiber Acoustical Ceiling Panels.....	11.29	0.77
			For Up To 50, Add	2.61	
			For >50 To 200, Add	1.59	
			For >200 To 500, Add	0.68	
			For >2,500 To 4,000, Deduct	-0.28	
			For >4,000 To 5,000, Deduct	-0.56	
			For >5,000, Deduct	-0.90	
			For Individual Room Quantities <495, Add	1.59	
			Note: For use with projects >500 SF		
			For Ceilings >10' High, Add	0.17	
09 51 13 00-0094	SF	2' x 4' x 3/4"	Wood Fiber Acoustical Ceiling Panels.....	11.05	0.77
			For Up To 50, Add	2.48	
			For >50 To 200, Add	1.52	
			For >200 To 500, Add	0.66	
			For >2,500 To 4,000, Deduct	-0.28	
			For >4,000 To 5,000, Deduct	-0.55	
			For >5,000, Deduct	-0.88	
			For Individual Room Quantities <495, Add	1.52	
			Note: For use with projects >500 SF		
			For Ceilings >10' High, Add	0.15	
09 51 13 00-0095	SF	2' x 2' x 1"	Wood Fiber Acoustical Ceiling Panels.....	8.34	0.77
			For Up To 50, Add	2.17	
			For >50 To 200, Add	1.29	
			For >200 To 500, Add	0.53	
			For >2,500 To 4,000, Deduct	-0.21	
			For >4,000 To 5,000, Deduct	-0.42	
			For >5,000, Deduct	-0.68	
			For Individual Room Quantities <495, Add	1.29	
			Note: For use with projects >500 SF		
			For Ceilings >10' High, Add	0.17	
09 51 13 00-0096	SF	2' x 4' x 1"	Wood Fiber Acoustical Ceiling Panels.....	8.10	0.77
			For Up To 50, Add	2.04	
			For >50 To 200, Add	1.22	
			For >200 To 500, Add	0.51	
			For >2,500 To 4,000, Deduct	-0.20	
			For >4,000 To 5,000, Deduct	-0.41	
			For >5,000, Deduct	-0.66	
			For Individual Room Quantities <495, Add	1.22	
			Note: For use with projects >500 SF		
			For Ceilings >10' High, Add	0.15	
09 51 13 00-0097			Removal And Reinstallation Of Acoustical Ceiling Panels.....		
			Note: 2'x2' Or 2'x4'. Includes storage and cleaning.		
09 51 13 00-0098	SF		Removal And Reinstallation Of Acoustical Panels Only.....	2.63	
			For Up To 50, Add	1.45	
			For >50 To 200, Add	0.79	
			For >200 To 500, Add	0.26	
			For >2,500 To 4,000, Deduct	-0.07	
			For >4,000 To 5,000, Deduct	-0.13	
			For >5,000, Deduct	-0.26	
			For Ceilings >10' High, Add	0.20	
09 51 23			Acoustical Tile Ceilings.....		
			Note: Includes fastening with staples and/or adhesive.		
09 51 23 00-0001			Mineral Fiber Acoustical Tile Ceilings.....		
09 51 23 00-0002	SF	12" x 12" x 1/2"	Tongue And Groove Mineral Fiber Acoustical Ceiling Tile.....	6.53	1.41
			For Furring 1 x 3 Strips 12" On Center, Add	0.50	
			For Up To 50, Add	2.26	
			For >50 To 200, Add	1.30	
			For >200 To 500, Add	0.49	
			For >2,500, Deduct	-0.33	
			For Ceilings >10' High, Add	0.24	
09 51 23 00-0003	SF	12" x 12" x 5/8"	Spline Mineral Fiber Acoustical Ceiling Tile.....	7.78	1.41
			For Furring 1 x 3 Strips 12" On Center, Add	0.50	
			For Up To 50, Add	2.45	
			For >50 To 200, Add	1.42	
			For >200 To 500, Add	0.55	
			For >2,500, Deduct	-0.39	
			For Placing Tiles In Suspended Ceiling System, Deduct	-0.52	
			For Ceilings >10' High, Add	0.24	
09 51 23 00-0004	SF	12" x 12" x 3/4"	Spline Mineral Fiber Acoustical Ceiling Tile.....	8.77	1.41
			For Furring 1 x 3 Strips 12" On Center, Add	0.50	
			For Up To 50, Add	2.60	
			For >50 To 200, Add	1.52	
			For >200 To 500, Add	0.60	
			For >2,500, Deduct	-0.44	
			For Placing Tiles In Suspended Ceiling System, Deduct	-0.52	
			For Ceilings >10' High, Add	0.24	
09 51 23 00-0005			Wood Fiber Acoustical Tile Ceilings.....		
09 51 23 00-0006	SF	12" x 12" x 1/2"	Staple Flange Wood Fiber Acoustical Ceiling Tile.....	6.01	1.41
			For Furring 1 x 3 Strips 12" On Center, Add	0.50	
			For Up To 50, Add	2.19	
			For >50 To 200, Add	1.24	
			For >200 To 500, Add	0.46	
			For >2,500, Deduct	-0.30	
			For Ceilings >10' High, Add	0.24	

09	Finishes	
	09 50	Ceilings
	09 51	Acoustical Ceilings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 51 33 Acoustical Metal Pan Ceilings (09 51)

09 51 33 13 Acoustical Snap-in Metal Pan Ceilings (09 51 33)

09 51 33 13-0001 Galvanized Steel, Acoustical Snap-In Metal Ceiling Panels (09 51 33 13)

09 51 33 13-0002	SF	24" x 24", Unperforated, Tamper-Resistant, 18 Gauge, Galvanized Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ SecureLock™)	24.07	1.13
09 51 33 13-0003	SF	24" x 24", Perforated, Tamper-Resistant, 18 Gauge, Galvanized Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ SecureLock™)	25.76	1.13

09 51 33 13-0004 Aluminum, Acoustical Snap-In Metal Ceiling Panels (09 51 33 13)

09 51 33 13-0005	SF	24" x 24", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	17.91	1.29
09 51 33 13-0006	SF	24" x 24", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	30.46	1.29
09 51 33 13-0007	SF	24" x 24", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	59.70	1.29
09 51 33 13-0008	SF	24" x 24", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	26.98	1.29
09 51 33 13-0009	SF	24" x 24", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	18.92	1.29
09 51 33 13-0010	SF	24" x 24", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	29.67	1.29
09 51 33 13-0011	SF	24" x 24", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	59.25	1.29
09 51 33 13-0012	SF	24" x 24", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	26.76	1.29
09 51 33 13-0013	SF	30" x 30", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	24.41	1.29
09 51 33 13-0014	SF	30" x 30", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	32.14	1.29
09 51 33 13-0015	SF	30" x 30", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	65.86	1.29
09 51 33 13-0016	SF	30" x 30", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	31.80	1.29
09 51 33 13-0017	SF	30" x 30", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	25.86	1.29
09 51 33 13-0018	SF	30" x 30", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	32.92	1.29
09 51 33 13-0019	SF	30" x 30", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	68.10	1.29
09 51 33 13-0020	SF	30" x 30", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	32.58	1.29
09 51 33 13-0021	SF	12" x 48", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	22.05	1.29
09 51 33 13-0022	SF	12" x 48", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	36.17	1.29
09 51 33 13-0023	SF	12" x 48", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	64.40	1.29
09 51 33 13-0024	SF	12" x 48", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	31.02	1.29
09 51 33 13-0025	SF	12" x 48", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	23.73	1.29
09 51 33 13-0026	SF	12" x 48", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	36.62	1.29
09 51 33 13-0027	SF	12" x 48", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	66.75	1.29
09 51 33 13-0028	SF	12" x 48", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	32.02	1.29
09 51 33 13-0029	SF	24" x 48", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	17.44	1.29
09 51 33 13-0030	SF	24" x 48", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	26.85	1.29
09 51 33 13-0031	SF	24" x 48", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	55.98	1.29
09 51 33 13-0032	SF	24" x 48", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	25.50	1.29
09 51 33 13-0033	SF	24" x 48", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	18.56	1.29
09 51 33 13-0034	SF	24" x 48", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	26.62	1.29
09 51 33 13-0035	SF	24" x 48", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	56.09	1.29
09 51 33 13-0036	SF	24" x 48", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	25.50	1.29

09 51 33 23 Acoustical Lay-in Metal Pan Ceilings (09 51 33)

09 51 33 23-0001 Acoustical Lay-In Metal Pan Ceilings (09 51 33 23)

09 51 33 23-0002 Aluminum, Acoustical Lay-In Metal Ceiling Panels (09 51 33 23-0001)

			Finishes		09	2
			Ceilings		09 50	
			Acoustical Ceilings		09 51	
MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION		
			UNIT COST	UNIT COST		
09 51 33 23-0003	SF	24" x 24", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	18.72		0.97	
		For Up To 50, Add	3.58			
		For >50 To 200, Add	2.26			
		For >200 To 500, Add	1.03			
		For >2,500 To 4,000, Deduct	-0.47			
		For >4,000 To 5,000, Deduct	-0.94			
		For >5,000, Deduct	-1.45			
		For Ceilings >10' High, Add	0.14			
09 51 33 23-0004	SF	24" x 24", Unperforated, Metallic Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	21.25		0.97	
		For Up To 50, Add	3.96			
		For >50 To 200, Add	2.51			
		For >200 To 500, Add	1.16			
		For >2,500 To 4,000, Deduct	-0.53			
		For >4,000 To 5,000, Deduct	-1.06			
		For >5,000, Deduct	-1.64			
		For Ceilings >10' High, Add	0.14			
09 51 33 23-0005	SF	24" x 24", Unperforated, Wood Tone Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	31.33		0.97	
		For Up To 50, Add	5.47			
		For >50 To 200, Add	3.52			
		For >200 To 500, Add	1.66			
		For >2,500 To 4,000, Deduct	-0.78			
		For >4,000 To 5,000, Deduct	-1.57			
		For >5,000, Deduct	-2.40			
		For Ceilings >10' High, Add	0.14			
09 51 33 23-0006	SF	24" x 24", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	26.57		0.97	
		For Up To 50, Add	4.75			
		For >50 To 200, Add	3.04			
		For >200 To 500, Add	1.42			
		For >2,500 To 4,000, Deduct	-0.66			
		For >4,000 To 5,000, Deduct	-1.33			
		For >5,000, Deduct	-2.04			
		For Ceilings >10' High, Add	0.14			
09 51 33 23-0007	SF	24" x 24", Perforated, Metallic Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	28.53		0.97	
		For Up To 50, Add	5.05			
		For >50 To 200, Add	3.24			
		For >200 To 500, Add	1.52			
		For >2,500 To 4,000, Deduct	-0.71			
		For >4,000 To 5,000, Deduct	-1.43			
		For >5,000, Deduct	-2.19			
		For Ceilings >10' High, Add	0.14			
09 51 33 23-0008	SF	24" x 24", Perforated, Wood Tone Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	45.05		0.97	
		For Up To 50, Add	7.53			
		For >50 To 200, Add	4.89			
		For >200 To 500, Add	2.35			
		For >2,500 To 4,000, Deduct	-1.13			
		For >4,000 To 5,000, Deduct	-2.25			
		For >5,000, Deduct	-3.43			
		For Ceilings >10' High, Add	0.14			
09 51 33 23-0009	SF	30" x 30", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	28.09		0.97	
		For Up To 50, Add	4.98			
		For >50 To 200, Add	3.19			
		For >200 To 500, Add	1.50			
		For >2,500 To 4,000, Deduct	-0.70			
		For >4,000 To 5,000, Deduct	-1.40			
		For >5,000, Deduct	-2.15			
		For Ceilings >10' High, Add	0.14			
09 51 33 23-0010	SF	30" x 30", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	34.90		0.97	
		For Up To 50, Add	6.00			
		For >50 To 200, Add	3.87			
		For >200 To 500, Add	1.84			
		For >2,500 To 4,000, Deduct	-0.87			
		For >4,000 To 5,000, Deduct	-1.75			
		For >5,000, Deduct	-2.67			
		For Ceilings >10' High, Add	0.14			
09 51 33 23-0011	SF	48" x 48", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	28.25		0.97	
		For Up To 50, Add	5.01			
		For >50 To 200, Add	3.21			
		For >200 To 500, Add	1.51			
		For >2,500 To 4,000, Deduct	-0.71			
		For >4,000 To 5,000, Deduct	-1.41			
		For >5,000, Deduct	-2.17			
		For Ceilings >10' High, Add	0.14			
09 51 33 23-0012	SF	48" x 48", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	35.11		0.97	
		For Up To 50, Add	6.03			
		For >50 To 200, Add	3.90			
		For >200 To 500, Add	1.85			
		For >2,500 To 4,000, Deduct	-0.88			
		For >4,000 To 5,000, Deduct	-1.76			
		For >5,000, Deduct	-2.68			
		For Ceilings >10' High, Add	0.14			
09 51 33 23-0013	SF	12" x 48", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	28.39		0.97	
		For Up To 50, Add	5.03			
		For >50 To 200, Add	3.22			
		For >200 To 500, Add	1.52			
		For >2,500 To 4,000, Deduct	-0.71			
		For >4,000 To 5,000, Deduct	-1.42			
		For >5,000, Deduct	-2.18			
		For Ceilings >10' High, Add	0.14			

09	09 Finishes
	09 50 Ceilings
	09 51 Acoustical Ceilings



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
09 51 33 23-0014	SF	12" x 48", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	34.97		0.97
		For Up To 50, Add	6.01		
		For >50 To 200, Add	3.88		
		For >200 To 500, Add	1.84		
		For >2,500 To 4,000, Deduct	-0.87		
		For >4,000 To 5,000, Deduct	-1.75		
		For >5,000, Deduct	-2.67		
		For Ceilings >10' High, Add	0.14		
09 51 33 23-0015	SF	24" x 48", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	28.39		0.97
		For Up To 50, Add	5.03		
		For >50 To 200, Add	3.22		
		For >200 To 500, Add	1.52		
		For >2,500 To 4,000, Deduct	-0.71		
		For >4,000 To 5,000, Deduct	-1.42		
		For >5,000, Deduct	-2.18		
		For Ceilings >10' High, Add	0.14		
09 51 33 23-0016	SF	24" x 48", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	35.25		0.97
		For Up To 50, Add	6.06		
		For >50 To 200, Add	3.91		
		For >200 To 500, Add	1.86		
		For >2,500 To 4,000, Deduct	-0.88		
		For >4,000 To 5,000, Deduct	-1.76		
		For >5,000, Deduct	-2.69		
		For Ceilings >10' High, Add	0.14		
09 51 33 23-0017 Steel, Acoustical Lay-In Metal Ceiling Panels (09 51 33 23-0001)					
09 51 33 23-0018	SF	24" x 24", Unperforated, 0.021" Thick, Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®).....	24.24		0.97
		For Up To 50, Add	4.40		
		For >50 To 200, Add	2.81		
		For >200 To 500, Add	1.31		
		For >2,500 To 4,000, Deduct	-0.61		
		For >4,000 To 5,000, Deduct	-1.21		
		For >5,000, Deduct	-1.87		
		For Ceilings >10' High, Add	0.14		
09 51 33 23-0019	SF	24" x 24", Unperforated, 0.021" Thick, Metallic Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®).....	28.94		0.97
		For Up To 50, Add	5.11		
		For >50 To 200, Add	3.28		
		For >200 To 500, Add	1.54		
		For >2,500 To 4,000, Deduct	-0.72		
		For >4,000 To 5,000, Deduct	-1.45		
		For >5,000, Deduct	-2.22		
		For Ceilings >10' High, Add	0.14		
09 51 33 23-0020	SF	24" x 24", Unperforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®).....	31.07		0.97
		For Up To 50, Add	5.43		
		For >50 To 200, Add	3.49		
		For >200 To 500, Add	1.65		
		For >2,500 To 4,000, Deduct	-0.78		
		For >4,000 To 5,000, Deduct	-1.55		
		For >5,000, Deduct	-2.38		
		For Ceilings >10' High, Add	0.14		
09 51 33 23-0021	SF	24" x 24", Perforated, 0.021" Thick, Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®).....	29.17		0.97
		For Up To 50, Add	5.14		
		For >50 To 200, Add	3.30		
		For >200 To 500, Add	1.55		
		For >2,500 To 4,000, Deduct	-0.73		
		For >4,000 To 5,000, Deduct	-1.46		
		For >5,000, Deduct	-2.24		
		For Ceilings >10' High, Add	0.14		
09 51 33 23-0022	SF	24" x 24", Perforated, 0.021" Thick, Metallic Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®).....	29.95		0.97
		For Up To 50, Add	5.26		
		For >50 To 200, Add	3.38		
		For >200 To 500, Add	1.59		
		For >2,500 To 4,000, Deduct	-0.75		
		For >4,000 To 5,000, Deduct	-1.50		
		For >5,000, Deduct	-2.29		
		For Ceilings >10' High, Add	0.14		
09 51 33 23-0023	SF	24" x 24", Perforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®).....	31.74		0.97
		For Up To 50, Add	5.53		
		For >50 To 200, Add	3.56		
		For >200 To 500, Add	1.68		
		For >2,500 To 4,000, Deduct	-0.79		
		For >4,000 To 5,000, Deduct	-1.59		
		For >5,000, Deduct	-2.43		
		For Ceilings >10' High, Add	0.14		

09 51 33 33 Acoustical Tegular Lay-in Metal Pan Ceilings (09 51 33)

09 51 33 33-0001 Acoustical Tegular Lay-In Metal Pan Ceilings (09 51 33 33)

09 51 33 33-0002 Steel, Acoustical Tegular Lay-In Metal Pan Ceilings (09 51 33 33-0001)

09 51 33 33-0003	SF	24" x 24", Unperforated, 0.021" Thick, Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™).....	17.63		0.97
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			Finishes	09	9
			Ceilings	09 50	
			Acoustical Ceilings	09 51	
MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
			UNIT COST	UNIT COST	

09 51 33 33-0004	SF	24" x 24", Unperforated, 0.021" Thick, Metallic Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™).....	19.87	0.97	
09 51 33 33-0005	SF	24" x 24", Unperforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™).....	28.16	0.97	
09 51 33 33-0006	SF	24" x 24", Perforated, 0.021" Thick, Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™).....	20.09	0.97	
09 51 33 33-0007	SF	24" x 24", Perforated, 0.021" Thick, Metallic Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™).....	22.78	0.97	
09 51 33 33-0008	SF	24" x 24", Perforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™).....	30.73	0.97	

09 53 Acoustical Ceiling Suspension Assemblies (09 53)

09 53 13 Curved Profile Ceiling Suspension (09 53)

09 53 13 00-0001 Perimeter Trim (09 53 13)

09 53 13 00-0002	LF	2" Straight Section Axiom Perimeter Trim.....	24.40		
09 53 13 00-0003	LF	4" Straight Section Axiom Perimeter Trim.....	29.75		
09 53 13 00-0004	LF	6" Straight Section Axiom Perimeter Trim.....	33.32		
09 53 13 00-0005	EA	2" Corner Section Axiom Perimeter Trim.....	44.99		
09 53 13 00-0006	EA	4" Corner Section Axiom Perimeter Trim.....	57.84		
09 53 13 00-0007	EA	6" Corner Section Axiom Perimeter Trim.....	65.34		

09 53 23 Metal Acoustical Ceiling Suspension Assemblies (09 53)

09 53 23 00-0001 Ceiling Suspension Systems (09 53 23)

Note: Hot-dipped galvanized steel. Includes single 8 gauge wire hangers (between 3' To 4') attached from wood deck or wood members above to main members 4' on center. Includes all main tees, cross tees, wall angle, wall anchors, connector clips, hold down clips, double faced tape (where required). All above shall be mechanically installed by minimum 2-1/4" x 3/8" wedge anchors. Excludes chain supports for lights.

09 53 23 00-0002	SF	1' x 1' Grid, Concealed, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System	5.11	0.64	
		Note: Excludes ceiling tile.			
		For Fastening To Concrete, Add	1.54		
		For Fastening To Steel, Add	1.65		
		For Vertical Application, Add	2.44		
		For Individual Room Quantities <495, Add	0.53		
		Note: For use with projects >500 SF			
		For Up To 50, Add	1.88		
		For >50 To 200, Add	1.07		
		For >200 To 500, Add	0.40		
		For >2,500 To 4,000, Deduct	-0.12		
		For >4,000 To 5,000, Deduct	-0.21		
		For >5,000, Deduct	-0.30		
		For Ceilings >10' High, Add	0.21		
09 53 23 00-0003	SF	1' x 2' Grid, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System.....	4.11	0.64	
		For UL Listed (Fire Guard), Add	0.27		
		For 1-1/2" Wide Faced Grid, Add	0.50		
		For Fastening To Concrete, Add	1.49		
		For Fastening To Steel, Add	1.60		
		For Vertical Application, Add	2.04		
		For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	2.50		
		For Individual Room Quantities <495, Add	0.44		
		Note: For use with projects >500 SF			
		For Aluminum T-Bar System, Add	0.80		
		For Up To 50, Add	1.55		
		For >50 To 200, Add	0.88		
		For >200 To 500, Add	0.32		
		For >2,500 To 4,000, Deduct	-0.09		
		For >4,000 To 5,000, Deduct	-0.17		
		For >5,000, Deduct	-0.25		
		For Ceilings >10' High, Add	0.17		
09 53 23 00-0004	SF	2' x 2' Grid, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System.....	3.44	0.64	
		For UL Listed (Fire Guard), Add	0.20		
		For 1-1/2" Wide Faced Grid, Add	0.36		
		For Fastening To Concrete, Add	1.47		
		For Fastening To Steel, Add	1.58		
		For Vertical Application, Add	1.87		
		For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	2.50		
		For Individual Room Quantities <495, Add	0.39		
		Note: For use with projects >500 SF			
		For Aluminum T-Bar System, Add	0.59		
		For Up To 50, Add	1.37		
		For >50 To 200, Add	0.77		
		For >200 To 500, Add	0.28		
		For >2,500 To 4,000, Deduct	-0.08		
		For >4,000 To 5,000, Deduct	-0.15		
		For >5,000, Deduct	-0.21		
		For Black Grid, Add	0.16		
		For Ceilings >10' High, Add	0.16		
		For Concealed Spline Grid, Add	0.54		

09 Finishes**09 50 Ceilings****09 53 Acoustical Ceiling Suspension Assemblies**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

09 53 23 00-0005	SF	2' x 4' Grid, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System.....	2.85	0.64
		For UL Listed (Fire Guard), Add	0.16	
		For 1-1/2" Wide Faced Grid, Add	0.29	
		For Fastening To Concrete, Add	1.44	
		For Fastening To Steel, Add	1.55	
		For Vertical Application, Add	1.80	
		For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	2.50	
		For Individual Room Quantities <495, Add	0.32	
		Note: For use with projects >500 SF		
		For Aluminum T-Bar System, Add	0.47	
		For Up To 50, Add	1.15	
		For >50 To 200, Add	0.65	
		For >200 To 500, Add	0.23	
		For >2,500 To 4,000, Deduct	-0.07	
		For >4,000 To 5,000, Deduct	-0.12	
		For >5,000, Deduct	-0.18	
		For Black Grid, Add	0.13	
		For Ceilings >10' High, Add	0.14	
		For Concealed Spline Grid, Add	0.44	
09 53 23 00-0006	SF	1'-8" To 2' x 5' Grid, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System	2.50	0.64
		For UL Listed (Fire Guard), Add	0.14	
		For 1-1/2" Wide Faced Grid, Add	0.27	
		For Fastening To Concrete, Add	1.41	
		For Fastening To Steel, Add	1.52	
		For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	2.50	
		For Individual Room Quantities <495, Add	0.28	
		Note: For use with projects >500 SF		
		For Aluminum T-Bar System, Add	0.43	
		For Up To 50, Add	0.99	
		For >50 To 200, Add	0.56	
		For >200 To 500, Add	0.20	
		For >2,500 To 4,000, Deduct	-0.06	
		For >4,000 To 5,000, Deduct	-0.11	
		For >5,000, Deduct	-0.15	
		For Ceilings >10' High, Add	0.12	
09 53 23 00-0007	SF	2' x 2' Grid, Hot Dipped Galvanized Steel, 9/16" T Bar Ceiling Suspension System.....	3.71	0.64
		For UL Listed (Fire Guard), Add	0.24	
		For Fastening To Concrete, Add	1.47	
		For Fastening To Steel, Add	1.58	
		For Vertical Application, Add	1.87	
		For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	2.50	
		For Individual Room Quantities <495, Add	0.40	
		Note: For use with projects >500 SF		
		For Up To 50, Add	1.41	
		For >50 To 200, Add	0.80	
		For >200 To 500, Add	0.29	
		For >2,500 To 4,000, Deduct	-0.08	
		For >4,000 To 5,000, Deduct	-0.15	
		For >5,000, Deduct	-0.22	
		For Black Grid, Add	0.20	
		For Ceilings >10' High, Add	0.16	
09 53 23 00-0008	SF	2' x 4' Grid, Hot Dipped Galvanized Steel, 9/16" T Bar Ceiling Suspension System.....	3.06	0.64
		For UL Listed (Fire Guard), Add	0.19	
		For Fastening To Concrete, Add	1.44	
		For Fastening To Steel, Add	1.55	
		For Vertical Application, Add	1.80	
		For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	2.50	
		For Individual Room Quantities <495, Add	0.33	
		Note: For use with projects >500 SF		
		For Up To 50, Add	1.18	
		For >50 To 200, Add	0.67	
		For >200 To 500, Add	0.24	
		For >2,500 To 4,000, Deduct	-0.07	
		For >4,000 To 5,000, Deduct	-0.13	
		For >5,000, Deduct	-0.19	
		For Black Grid, Add	0.16	
		For Ceilings >10' High, Add	0.14	

09 53 23 00-0009 Ceiling Suspension System Accessories (09 53 23)

09 53 23 00-0010	LF	Pencil Rod Support For Suspended Ceiling with Accessories.....	1.57	
09 53 23 00-0011	LF	1" x 1/8" Flat Bar Bracing For Suspended Ceiling	3.79	1.80
		For 304 Stainless Steel, Add	3.11	
		For 316 Stainless Steel, Add	3.49	
		For Aluminum, Add	0.20	
		For Galvanized Steel, Add	0.68	
09 53 23 00-0012	LF	1" x 3/16" Flat Bar Bracing For Suspended Ceiling.....	5.41	1.92
		For 304 Stainless Steel, Add	4.73	
		For 316 Stainless Steel, Add	5.31	
		For Aluminum, Add	0.30	
		For Galvanized Steel, Add	1.03	
09 53 23 00-0013	LF	1-1/2" x 1/4" Flat Bar Bracing For Suspended Ceiling	7.54	2.05
		For 304 Stainless Steel, Add	9.43	
		For 316 Stainless Steel, Add	10.59	
		For Aluminum, Add	0.60	
		For Galvanized Steel, Add	2.05	
09 53 23 00-0014	EA	2', Exposed 15/16" Hot-dipped Galvanized Steel, Suspended Ceiling Cross Tee	7.97	0.37
		Note: Can be used to convert an existing 2' x 4' suspension system to a 2' x 2' system or to replace an individual component.		
09 53 23 00-0015	LF	1-1/2" Steel Running Channel For Suspended Ceiling	8.14	3.28
09 53 23 00-0016	LF	1-1/2" Steel T-Bar Channel For Suspended Ceiling.....	7.02	3.28

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 53 23 00-0017	LF	12 Gauge Ceiling Suspension Wire (Seismic Control Or Where Required) For Suspended Ceiling	0.96		
09 53 23 00-0018	LF	8 Gauge Ceiling Suspension Wire (Seismic Control Or Where Required) For Suspended Ceiling	1.12		
09 53 23 00-0019	LF	1/2" Lay-In Ceiling Angles For Suspended Ceiling	3.36		1.16
		Note: Use for supporting cove lighting grille in areas without a suspended ceiling system.			
		For Ceilings >10' High, Add	0.19		
09 53 23 00-0020	EA	Lateral Support For Suspended Ceiling Channel, Installed 12'-0" On Center Maximum	34.50		9.18
		Note: Includes vertical centerl strut and four 12 gauge diagonal wires.			
09 53 23 00-0021	EA	Up To 30" Compression Posts, Telescopic, With Splay Wires, Attached To Structure For Suspended Ceiling	95.84		26.09
09 53 23 00-0022	EA	>30" To 48" Compression Posts, Telescopic, With Splay Wires, Attached To Structure For Suspended Ceiling	99.42		26.59
09 53 23 00-0023	EA	>48" To 84" Compression Posts, Telescopic, With Splay Wires, Attached To Structure For Suspended Ceiling	112.16		26.59
09 53 23 00-0024 Removal And Reinstallation Of Acoustical Ceiling Suspension Assembly (09 53)					
		Note: 2'x2' Or 2'x4'. Includes storage and cleaning.			
09 53 23 00-0025	SF	Removal And Reinstallation Of 2' x 2' Or 2' x 4' Acoustical Ceiling Tile And Grid Assembly	3.54		
		Note: Suspension system tie wire, wall angles and bracing to remain in place.			
		For Up To 50, Add	1.95		
		For >50 To 200, Add	1.06		
		For >200 To 500, Add	0.35		
		For >2,500 To 4,000, Deduct	-0.09		
		For >4,000 To 5,000, Deduct	-0.18		
		For >5,000, Deduct	-0.27		
		For Ceilings >10' High, Add	0.27		
09 53 23 00-0026	SF	Removal And Reinstallation Of Grid System Assembly	1.54		
		Note: Suspension system tie wire, wall angles and bracing to remain in place. Excludes ceiling tiles.			
		For Up To 50, Add	0.85		
		For >50 To 200, Add	0.46		
		For >200 To 500, Add	0.15		
		For >2,500 To 4,000, Deduct	-0.04		
		For >4,000 To 5,000, Deduct	-0.08		
		For >5,000, Deduct	-0.12		
		For Ceilings >10' High, Add	0.12		
09 54 Specialty Ceilings (09 50)					
09 54 16 Luminous Ceilings (09 54)					
09 54 16 00-0001 Translucent Ceiling Panels (09 54 16)					
09 54 16 00-0002	SF	2' x 2' x 0.013" Thick, Rigid Vinyl Plastic, Translucent Ceiling Panel	3.79		0.64
		For Ceilings >10' High, Add	0.11		
		For >100 To 200, Deduct	-0.16		
		For >200 To 300, Deduct	-0.42		
		For >300, Deduct	-0.73		
09 54 23 Linear Metal Ceilings (09 54)					
09 54 23 00-0001 Linear Ceiling Systems (09 54 23)					
09 54 23 00-0002 0.032" Aluminum, Linear Ceiling Systems (09 54 23 00-0001)					
		Note: For flat ceilings. Includes round or box style panels with KYNAR 500® or HYLAR 5000® PVDF finish.			
		Includes ceiling suspension system and flush or recessed filler strips.			
09 54 23 00-0003	SF	4" Panel Width, 0.032" Aluminum, Linear Ceiling System	24.38		2.92
		For Up To 50, Add	6.45		
		For >50 To 200, Add	3.84		
		For >200 To 500, Add	1.57		
		For >2,500, Deduct	-1.22		
		For Ceilings >10' High, Add	0.52		
		For Linear Ceiling Systems Without Filler Strips, Deduct	-4.32		
		For Curved Ceilings, Add	1.62		
09 54 23 00-0004	SF	8" Panel Width, 0.032" Aluminum, Linear Ceiling System	19.78		2.92
		For Up To 50, Add	5.71		
		For >50 To 200, Add	3.35		
		For >200 To 500, Add	1.33		
		For >2,500, Deduct	-0.99		
		For Ceilings >10' High, Add	0.51		
		For Linear Ceiling Systems Without Filler Strips, Deduct	-2.16		
		For Curved Ceilings, Add	1.59		
09 54 23 00-0005	SF	12" Panel Width, 0.032" Aluminum, Linear Ceiling System	17.98		2.92
		For Up To 50, Add	5.38		
		For >50 To 200, Add	3.14		
		For >200 To 500, Add	1.23		
		For >2,500, Deduct	-0.90		
		For Ceilings >10' High, Add	0.50		
		For Linear Ceiling Systems Without Filler Strips, Deduct	-1.44		
		For Curved Ceilings, Add	1.56		
09 54 23 00-0006 Tin Ceilings (09 54 23)					
09 54 23 00-0007	SF	2' x 2' Tin Ceiling Embossed Panels	23.01		4.52
		For Up To 50, Add	5.63		
		For >50 To 200, Add	3.39		
		For >200 To 500, Add	1.42		
		For >2,500, Deduct	-1.15		
		For Ceilings >10' High, Add	0.41		

09	09 Finishes
	09 50 Ceilings
	09 54 Specialty Ceilings

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
09 54 23 00-0008	SF 12" x 12" Tin Ceiling Embossed Plates.....	33.73		2.92
	For Up To 50, Add	7.36		
	For >50 To 200, Add	4.52		
	For >200 To 500, Add	1.97		
	For >2,500, Deduct	-1.69		
	For Ceilings >10' High, Add	0.43		
09 54 23 00-0009	SF 12" x 24" Tin Ceiling Embossed Plates.....	24.82		2.92
	For Up To 50, Add	6.02		
	For >50 To 200, Add	3.63		
	For >200 To 500, Add	1.53		
	For >2,500, Deduct	-1.24		
	For Ceilings >10' High, Add	0.43		
09 54 23 00-0010	SF 24" x 24" Tin Ceiling Embossed Plates.....	22.81		2.92
	For Up To 50, Add	5.54		
	For >50 To 200, Add	3.34		
	For >200 To 500, Add	1.41		
	For >2,500, Deduct	-1.14		
	For Ceilings >10' High, Add	0.40		
09 54 23 00-0011	SF 24" x 48" Tin Ceiling Embossed Plates.....	19.90		2.18
	For Up To 50, Add	4.84		
	For >50 To 200, Add	2.92		
	For >200 To 500, Add	1.23		
	For >2,500, Deduct	-1.00		
	For Ceilings >10' High, Add	0.35		
09 54 23 00-0012	LF 3" Or 4" Wide Embossed Molding.....	16.25		4.38
	For Ceilings >10' High, Add	0.64		
09 54 23 00-0013	LF 6" Wide Embossed Molding.....	20.18		5.10
	For Ceilings >10' High, Add	0.71		
09 54 23 00-0014	LF 12" Wide Embossed Molding.....	26.95		5.98
	For Ceilings >10' High, Add	0.90		
09 54 23 00-0015	EA 3", 4" Or 6" Wide Embossed Cross, Tee Or Ell.....	47.39		13.84
	For Ceilings >10' High, Add	2.03		
09 54 23 00-0016	EA 12" Wide Embossed Cross, Tee Or Ell.....	65.03		16.18
	For Ceilings >10' High, Add	2.43		

09 57 Special Function Ceilings (09 50)

09 57 63 High Impact Ceilings (09 57)

09 57 63 00-0001 High Impact Ceilings (09 57 63)

09 57 63 00-0002	SF Polyvinyl Chloride Face High Impact Ceiling Panels.....	10.32		1.29
	For Ceilings >10' High, Add	0.15		
09 57 63 00-0003	EA High Impact Clips.....	5.36		1.03
	For Ceilings >10' High, Add	0.24		

09 60 Flooring (09)

Note: Perform moisture testing as recommended by manufacturer.

09 61 Flooring Treatment (09 60)

09 61 13 Slip-Resistant Flooring Treatment (09 61)

09 61 13 00-0001 Anti-Slip Tape (09 61 13)

Note: Grit sandpaper surface with adhesive back.

09 61 13 00-0002	LF 1" Anti-Slip Tape.....	3.36		2.56
09 61 13 00-0003	LF 2" Anti-Slip Tape.....	4.24		2.83
09 61 13 00-0004	LF 3" Anti-Slip Tape.....	5.10		3.11
09 61 13 00-0005	LF 4" Anti-Slip Tape.....	5.91		3.41
09 61 13 00-0006	LF 6" Anti-Slip Tape.....	7.52		3.76
09 61 13 00-0007	LF 12" Anti-Slip Tape.....	13.12		5.63
09 61 13 00-0008	LF 24" Anti-Slip Tape.....	18.59		8.46

09 63 Masonry Flooring (09 60)

09 63 13 Brick Flooring (09 63)

09 63 13 00-0001 Clay Bricks (09 63 13)

09 63 13 00-0002	SF 2-1/4" Thick Clay Brick Floor.....	29.83		10.86
	For Basket Weave Pattern, Add	2.32		
	For Herringbone Pattern, Add	3.09		
	For Epoxy Joints, Add	5.59		
09 63 13 00-0003	SF 3" Thick Clay Brick Floor.....	33.40		10.86
	For Basket Weave Pattern, Add	2.32		
	For Herringbone Pattern, Add	3.09		
	For Epoxy Joints, Add	5.59		
09 63 13 00-0004	SF 1/2" Thick Unglazed Clay Brick Floor.....	19.79		10.86
	For Basket Weave Pattern, Add	2.32		
	For Herringbone Pattern, Add	3.09		
	For Epoxy Joints, Add	5.59		
09 63 13 00-0005	SF 1/2" Thick Glazed Clay Brick Floor.....	23.03		10.86
	For Basket Weave Pattern, Add	2.32		
	For Herringbone Pattern, Add	3.09		
	For Epoxy Joints, Add	5.59		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 63 13 00-0006	SF		3/4" Thick Unglazed Clay Brick Floor.....	21.24	10.86
			For Basket Weave Pattern, Add	2.32	
			For Herringbone Pattern, Add	3.09	
			For Epoxy Joints, Add	5.59	
09 63 13 00-0007	SF		3/4" Thick Glazed Clay Brick Floor	25.54	10.86
			For Basket Weave Pattern, Add	2.32	
			For Herringbone Pattern, Add	3.09	
			For Epoxy Joints, Add	5.59	
09 63 13 00-0008	SF		15/16" Thick Unglazed Clay Brick Floor.....	22.64	10.86
			For Basket Weave Pattern, Add	2.32	
			For Herringbone Pattern, Add	3.09	
			For Epoxy Joints, Add	5.59	
09 63 13 00-0009	SF		15/16" Thick Glazed Clay Brick Floor	28.08	10.86
			For Basket Weave Pattern, Add	2.32	
			For Herringbone Pattern, Add	3.09	
			For Epoxy Joints, Add	5.59	

09 63 43 Composition Stone Flooring (09 63)

09 63 43 00-0001			Cupric Oxychloride Cement, Seamless Flooring System (09 63 43)		
			Note: Chemical and slip resistant. OSHA and USDA approved.		
09 63 43 00-0002	SF		3/8" Thick, Cupric Oxychloride Cement, Seamless Flooring System, Trowel Applied	20.34	6.55

09 64 Wood Flooring (09 60)

09 64 13 Wood Flooring Underlayment (09 64)

09 64 13 00-0001			Wood Flooring Underlayment (09 64 13)		
09 64 13 00-0002	SF		Regular Weight Red Rosin Paper, Wood Flooring Underlayment	0.58	
09 64 13 00-0003	SF		Heavy Weight Red Rosin Paper, Wood Flooring Underlayment.....	0.60	
09 64 13 00-0004	SF		30 Lb., Waxed Paper, Wood Flooring Underlayment.....	0.63	
09 64 13 00-0005	SF		15 Lb., Asphalt Saturated Organic Felt, Wood Flooring Underlayment	0.69	
09 64 13 00-0006	SF		6 Mil Thick, Polyethylene Film, Wood Flooring Underlayment.....	0.63	
09 64 13 00-0007	SF		8 Mil Thick, Polyethylene Film, Wood Flooring Underlayment.....	0.69	
09 64 13 00-0008	SF		1/8" Thick, Natural Cork, Wood Flooring Underlayment	2.58	0.41
09 64 13 00-0009	SF		1/4" Thick, Natural Cork, Wood Flooring Underlayment	2.69	0.41
09 64 13 00-0010	SF		3/32" Thick, Polyethylene Foam, Wood Flooring Underlayment (Roberts® Unison™ 70-025-15)	0.99	
09 64 13 00-0011	SF		2.0mm Thick, Progressive Foam Technology, Wood Flooring Underlayment (Roberts® Quiet Cushion 70-180)	1.21	
09 64 13 00-0012	SF		4.0mm Thick, Compressed Fiber, Wood Flooring Underlayment (Roberts® Super Felt 70-193)	1.30	
09 64 13 00-0013	SF		2.5mm Thick, Closed Cell Foam, Wood Flooring Underlayment (Roberts® Black Jack™ 70-026)	1.57	
09 64 13 00-0014	SF		1/8" Thick, Moisture Barrier, Sound Reduction And Cushioning, Wood Flooring Underlayment (Roberts® AirGuard™ 70-105)	1.59	0.27

09 64 23 Wood Parquet Flooring (09 64)

Note: All wood parquet flooring is prefinished at factory.

09 64 23 00-0001			Hardwood Parquet Flooring (09 64 23)		
09 64 23 00-0002	SF		5/16" Thick Oak Parquet Flooring.....	12.68	1.29
			For Up To 20, Add	5.52	
			For >20 To 50, Add	2.87	
			For >50 To 100, Add	1.44	
			For >100 To 300, Add	0.72	

09 64 29 Wood Strip and Plank Flooring (09 64)

Note: All wood strip flooring is unfinished, tongue and groove.

09 64 29 00-0001			Unfinished Fir, Wood Strip Flooring (09 64 29)		
09 64 29 00-0002	SF		3-1/8" Plank Width, 3/4" Thick, Plain Sawn, Clear Vertical Grain (C Or Better) Unfinished Fir, Wood Strip Flooring	14.99	1.29
			For Factory Finish, Add	0.92	
			For Random Width Floor, Add	3.46	
			For Up To 20, Add	4.85	
			For >20 To 50, Add	2.65	
			For >50 To 100, Add	1.33	
			For >100 To 300, Add	0.66	
09 64 29 00-0003			Unfinished Oak, Wood Strip Flooring (09 64 29)		
09 64 29 00-0004			Unfinished White Oak, Wood Strip Flooring (09 64 29 00-0003)		
09 64 29 00-0005	SF		2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished White Oak, Wood Strip Flooring	12.36	1.29
			For Factory Finish, Add	0.48	
			For Random Width Floor, Add	2.71	
			For Up To 20, Add	5.25	
			For >20 To 50, Add	2.75	
			For >50 To 100, Add	1.37	
			For >100 To 300, Add	0.69	
09 64 29 00-0006	SF		2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished White Oak, Wood Strip Flooring	12.99	1.29
			For Factory Finish, Add	0.54	
			For Random Width Floor, Add	2.87	
			For Up To 20, Add	5.35	
			For >20 To 50, Add	2.81	
			For >50 To 100, Add	1.40	
			For >100 To 300, Add	0.70	

09	09 Finishes	
	09 60 Flooring	
	09 64 Wood Flooring	



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
09 64 29 00-0007	SF 2-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished White Oak, Wood Strip Flooring.....	13.93		1.29
	For Factory Finish, Add	0.64		
	For Random Width Floor, Add	3.11		
	For Up To 20, Add	5.49		
	For >20 To 50, Add	2.90		
	For >50 To 100, Add	1.45		
	For >100 To 300, Add	0.73		
09 64 29 00-0008	SF 3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished White Oak, Wood Strip Flooring	10.79		1.29
	For Factory Finish, Add	0.50		
	For Random Width Floor, Add	2.41		
	For Up To 20, Add	4.22		
	For >20 To 50, Add	2.23		
	For >50 To 100, Add	1.12		
	For >100 To 300, Add	0.56		
09 64 29 00-0009	SF 3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished White Oak, Wood Strip Flooring	11.29		1.29
	For Factory Finish, Add	0.55		
	For Random Width Floor, Add	2.53		
	For Up To 20, Add	4.29		
	For >20 To 50, Add	2.28		
	For >50 To 100, Add	1.14		
	For >100 To 300, Add	0.57		
09 64 29 00-0010	SF 3-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished White Oak, Wood Strip Flooring.....	12.26		1.29
	For Factory Finish, Add	0.65		
	For Random Width Floor, Add	2.78		
	For Up To 20, Add	4.44		
	For >20 To 50, Add	2.38		
	For >50 To 100, Add	1.19		
	For >100 To 300, Add	0.60		
09 64 29 00-0011 Unfinished Red Oak, Wood Strip Flooring (09 64 29 00-0003)				
09 64 29 00-0012	SF 2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished Red Oak, Wood Strip Flooring.....	12.47		1.29
	For Factory Finish, Add	0.49		
	For Random Width Floor, Add	2.74		
	For Up To 20, Add	5.27		
	For >20 To 50, Add	2.76		
	For >50 To 100, Add	1.38		
	For >100 To 300, Add	0.69		
09 64 29 00-0013	SF 2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished Red Oak, Wood Strip Flooring.....	13.09		1.29
	For Factory Finish, Add	0.55		
	For Random Width Floor, Add	2.90		
	For Up To 20, Add	5.36		
	For >20 To 50, Add	2.82		
	For >50 To 100, Add	1.41		
	For >100 To 300, Add	0.70		
09 64 29 00-0014	SF 2-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished Red Oak, Wood Strip Flooring	14.04		1.29
	For Factory Finish, Add	0.65		
	For Random Width Floor, Add	3.13		
	For Up To 20, Add	5.50		
	For >20 To 50, Add	2.91		
	For >50 To 100, Add	1.46		
	For >100 To 300, Add	0.73		
09 64 29 00-0015	SF 3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished Red Oak, Wood Strip Flooring.....	10.90		1.29
	For Factory Finish, Add	0.51		
	For Random Width Floor, Add	2.44		
	For Up To 20, Add	4.23		
	For >20 To 50, Add	2.24		
	For >50 To 100, Add	1.12		
	For >100 To 300, Add	0.56		
09 64 29 00-0016	SF 3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished Red Oak, Wood Strip Flooring.....	11.52		1.29
	For Factory Finish, Add	0.58		
	For Random Width Floor, Add	2.59		
	For Up To 20, Add	4.32		
	For >20 To 50, Add	2.31		
	For >50 To 100, Add	1.15		
	For >100 To 300, Add	0.58		
09 64 29 00-0017	SF 3-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished Red Oak, Wood Strip Flooring	12.36		1.29
	For Factory Finish, Add	0.66		
	For Random Width Floor, Add	2.80		
	For Up To 20, Add	4.45		
	For >20 To 50, Add	2.39		
	For >50 To 100, Add	1.20		
	For >100 To 300, Add	0.60		
09 64 29 00-0018 Unfinished Maple, Wood Strip Flooring (09 64 29)				
09 64 29 00-0019 25/32" Thick, Unfinished Maple, Wood Strip Flooring (09 64 29 00-0018)				
09 64 29 00-0020	SF 2-1/4" Plank Width, 25/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring.....	14.77		1.29
	For Factory Finish, Add	0.72		
	For Random Width Floor, Add	3.32		
	For Up To 20, Add	5.61		
	For >20 To 50, Add	2.99		
	For >50 To 100, Add	1.49		
	For >100 To 300, Add	0.75		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 64 29 00-0021	SF	2-1/4" Plank Width, 25/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring	13.72	1.29
		For Factory Finish, Add	0.62	
		For Random Width Floor, Add	3.05	
		For Up To 20, Add	5.46	
		For >20 To 50, Add	2.88	
		For >50 To 100, Add	1.44	
		For >100 To 300, Add	0.72	
09 64 29 00-0022	SF	3" Plank Width, 25/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring	13.41	1.29
		For Factory Finish, Add	0.76	
		For Random Width Floor, Add	3.06	
		For Up To 20, Add	4.61	
		For >20 To 50, Add	2.50	
		For >50 To 100, Add	1.25	
		For >100 To 300, Add	0.62	
09 64 29 00-0023	SF	3" Plank Width, 25/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring	12.36	1.29
		For Factory Finish, Add	0.66	
		For Random Width Floor, Add	2.80	
		For Up To 20, Add	4.45	
		For >20 To 50, Add	2.39	
		For >50 To 100, Add	1.20	
		For >100 To 300, Add	0.60	
09 64 29 00-0024		33/32" Thick, Unfinished Maple, Wood Strip Flooring (09 64 29 00-0018)		
09 64 29 00-0025	SF	2-1/4" Plank Width, 33/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring	17.03	1.29
		For Factory Finish, Add	0.95	
		For Random Width Floor, Add	3.88	
		For Up To 20, Add	5.95	
		For >20 To 50, Add	3.21	
		For >50 To 100, Add	1.61	
		For >100 To 300, Add	0.80	
09 64 29 00-0026	SF	2-1/4" Plank Width, 33/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring	15.62	1.29
		For Factory Finish, Add	0.81	
		For Random Width Floor, Add	3.53	
		For Up To 20, Add	5.74	
		For >20 To 50, Add	3.07	
		For >50 To 100, Add	1.54	
		For >100 To 300, Add	0.77	
09 64 29 00-0027	SF	3" Plank Width, 33/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring	15.81	1.29
		For Factory Finish, Add	1.00	
		For Random Width Floor, Add	3.66	
		For Up To 20, Add	4.97	
		For >20 To 50, Add	2.74	
		For >50 To 100, Add	1.37	
		For >100 To 300, Add	0.68	
09 64 29 00-0028	SF	3" Plank Width, 33/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring	14.41	1.29
		For Factory Finish, Add	0.86	
		For Random Width Floor, Add	3.31	
		For Up To 20, Add	4.76	
		For >20 To 50, Add	2.60	
		For >50 To 100, Add	1.30	
		For >100 To 300, Add	0.65	
09 64 29 00-0029		Prefinished Engineered Wood Flooring (09 64 29)		
		Note: Glued or nailed. Excludes underlayment. See CSI section 09 64 13 00-0001 for wood flooring underlayment.		
09 64 29 00-0030	SF	1/2" Thick, Red Oak, Prefinished Engineered Wood Flooring	15.98	1.29
		For Up To 20, Add	4.66	
		For >20 To 50, Add	2.60	
		For >50 To 100, Add	1.30	
		For >100 To 300, Add	0.65	
09 64 29 00-0031	SF	1/2" Thick, White Oak, Prefinished Engineered Wood Flooring	15.98	1.29
		For Up To 20, Add	4.66	
		For >20 To 50, Add	2.60	
		For >50 To 100, Add	1.30	
		For >100 To 300, Add	0.65	
09 64 29 00-0032	SF	1/2" Thick, Select Maple, Prefinished Engineered Wood Flooring	15.98	1.29
		For Up To 20, Add	4.66	
		For >20 To 50, Add	2.60	
		For >50 To 100, Add	1.30	
		For >100 To 300, Add	0.65	
09 64 29 00-0033	SF	1/2" Thick, Natural Hickory, Prefinished Engineered Wood Flooring	16.36	1.29
		For Up To 20, Add	4.72	
		For >20 To 50, Add	2.64	
		For >50 To 100, Add	1.32	
		For >100 To 300, Add	0.66	
09 64 33		Laminated Wood Flooring (09 64)		
09 64 33 00-0001		Laminate Flooring Without Underlayment (09 64 33)		
09 64 33 00-0002	SF	Laminate Floor, Blocked - Beech, Oak, Red Oak, And Dark Cherry	13.94	4.09
09 64 33 00-0003	SF	Laminate Floor, Mature Pine, Light Maple	14.55	4.09
		Note: Planked - cherry, and oak.		

09	09 Finishes
	09 60 Flooring
	09 64 Wood Flooring

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
09 64 33 00-0004	SF 10mm x 11.57" x 46.3" Laminate Flooring Note: DuPont Saltillo For Up To 50, Add For >50 To 250, Add For >1,000, Deduct	15.04 10.16 1.71 -0.85		2.13
09 64 33 00-0005	Laminate Flooring With Underlayment (09 64 33)			
09 64 33 00-0006	SF Laminate Floor, With Attached Underlayment, Antique Amber Oak Note: Also comes in Rustic Red Oak.	15.86		4.09
09 64 33 00-0007	SF Laminate Floor, With Attached Underlayment, Renovation Pine Note: Also comes in Weathered Wheat Oak.	16.45		4.09
09 64 33 00-0008	Sound Control Matting (09 64 33)			
09 64 33 00-0009	SF Sound Control Matting	3.79		0.58
09 64 53	Resilient Wood Flooring Assemblies (09 64)			
09 64 53 00-0001	Stage Floors (09 64 53) Note: Includes shims, sleepers and/or screeds, damp proofing membrane, and finish.			
09 64 53 00-0002	SF 1-1/2" Thick Tongue And Groove Resilient Wood Stage Flooring Note: Includes 6 mil polyethylene damp proofing membrane, 3/8" thick hollow rubber or neoprene resilient mounts, 1-1/2" thick x 3" wide wood sleepers, 1-1/2" thick fiberglass insulation board between sleepers, fasteners, wood filler, and finish.	53.25		12.83
09 64 53 00-0003	Dance And Aerobic Floors (09 64 53) Note: Includes vapor barrier, resilient pads, sub-floor, and finish.			
09 64 53 00-0004	SF 25/32" x 2-1/4" Resilient Wood Dance Or Aerobic Flooring Note: Tongue and groove, northern hard maple. Includes 6 mil polyethylene vapor barrier, 3/4" thick hemispherical two stage polyurethane resilient pads, 2 layers of 15/32" subflooring, fasteners, wood filler and seven-coat finish.	48.94		9.29
09 64 66	Wood Athletic Flooring (09 64) Note: 1-1/2" or 2-1/4" widths. Excludes finish.			
09 64 66 00-0001	Wood Gym/Stage/Dance Floors Applied On Existing Subfloor (09 64 66) Note: Includes sanding. Excludes concrete repairs to subbase, subflooring, thresholds, and finishing.			
09 64 66 00-0002	SF 25/32" Maple Wood Gym/Stage/Dance Floor For Oak Or Birch, Deduct For Pine, Deduct For #1 Grade Material, Add	18.00 -0.20 -0.30 0.50		6.42
09 64 66 00-0003	SF 33/32" Maple Wood Gym/Stage/Dance Floor For Oak Or Birch, Deduct For Pine, Deduct For #1 Grade Material, Add	21.54 -0.20 -0.30 0.50		6.68
09 64 66 00-0004	Wood Gym/Stage/Dance Floor Systems (09 64 66) Note: Includes sanding. Excludes concrete repairs to subbase, thresholds, and finishing.			
09 64 66 00-0005	SF Floating 25/32" Maple Wood Gym/Stage/Dance Floor System, Two Layers Of Plywood Panel Subfloor With Resilient Pads (Connor DuraCushion)..... Note: Includes 6 mil polyethylene vapor barrier, two layers of 15/32" plywood subfloor and 3/8" resilient pads.	24.02		8.35
	For Oak Or Birch, Deduct For Pine, Deduct For #1 Grade Material, Add	-0.20 -0.30 0.50		
09 64 66 00-0006	SF Floating 25/32" Maple Wood Gym/Stage/Dance Floor System, Two Layers Of Plywood Panel Subfloor With Two Stage Resilient Pads (Connor NeoShok)..... Note: Includes 6 mil polyethylene vapor barrier, two layers of 15/32" plywood subfloor and 3/4" hemispherical two stage polyurethane resilient pads.	25.42		8.35
	For Oak Or Birch, Deduct For Pine, Deduct For #1 Grade Material, Add	-0.20 -0.30 0.50		
09 64 66 00-0007	SF Floating 25/32" Maple Wood Gym/Stage/Dance Floor System, One Layer Of Plywood Subfloor With Continuous Steel Channel Encased Sleepers And Resilient Pads (Connor PermaFlex)..... Note: Includes 6 mil polyethylene vapor barrier, one layer of 15/32" plywood subfloor, a continuous steel channel encasing a 23/32" fixed sleeper, a 7/16" resilient pad and a 23/32" flex sleeper.	28.44		8.35
	For Oak Or Birch, Deduct For Pine, Deduct For #1 Grade Material, Add	-0.20 -0.30 0.50		
09 64 66 00-0008	SF Fixed Resilient 25/32" Maple Wood Gym/Stage/Dance Floor System, One Layer Of Plywood Panel Subfloor With Resilient Pads (Connor Focus)..... Note: Includes 6 mil polyethylene vapor barrier, one layer of 3/4" subfloor, 9/16" resilient pads and concrete anchors and clips.	27.06		8.35
	For Oak Or Birch, Deduct For Pine, Deduct For #1 Grade Material, Add	-0.20 -0.30 0.50		
09 64 66 00-0009	SF Clip And Channel, Fixed 33/32" Maple Wood Gym/Stage/Dance Floor System (Connor PermaLock)..... Note: Includes 6 mil polyethylene vapor barrier, one layer of 1/2" impregnated fiberboard with channel grooves for 16 gauge steel anchor channel.	30.56		8.35
	For Oak Or Birch, Deduct For Pine, Deduct For #1 Grade Material, Add	-0.20 -0.30 0.50		

09 65 Resilient Flooring (09 60)

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

See CSI section 03 54 16 00-0001 for self-leveling underlayment for uneven floors.

09 65 13 Resilient Base and Accessories (09 65)

09 65 13 13 Resilient Base (09 65 13)

09 65 13 13-0001 Type TV Thermoplastic Vinyl Wall Base (09 65 13 13)

Note: Includes inside and outside corners.

09 65 13 13-0002	LF 2-1/2" High, 1/8" Thick, Type TV Thermoplastic Vinyl Wall Base, All Colors	3.80	0.99
	For Up To 20, Add	1.36	
	For >20 To 40, Add	0.77	
	For >40 To 80, Add	0.29	
	For >240 To 960, Deduct	-0.28	
	For >960, Deduct	-0.42	
09 65 13 13-0003	LF 3" High, 1/8" Thick, Type TV Thermoplastic Vinyl Wall Base, All Colors	4.16	0.99
	For Up To 20, Add	1.41	
	For >20 To 40, Add	0.81	
	For >40 To 80, Add	0.31	
	For >240 To 960, Deduct	-0.32	
	For >960, Deduct	-0.48	
09 65 13 13-0004	LF 4" High, 1/8" Thick, Type TV Thermoplastic Vinyl Wall Base, All Colors	4.49	0.99
	For Up To 20, Add	1.46	
	For >20 To 40, Add	0.84	
	For >40 To 80, Add	0.32	
	For >240 To 960, Deduct	-0.35	
	For >960, Deduct	-0.53	
09 65 13 13-0005	LF 4-1/2" High, 1/8" Thick, Type TV Thermoplastic Vinyl Wall Base, All Colors	4.81	0.99
	For Up To 20, Add	1.51	
	For >20 To 40, Add	0.88	
	For >40 To 80, Add	0.34	
	For >240 To 960, Deduct	-0.38	
	For >960, Deduct	-0.57	
09 65 13 13-0006	LF 6" High, 1/8" Thick, Type TV Thermoplastic Vinyl Wall Base, All Colors	5.97	0.99
	For Up To 20, Add	1.68	
	For >20 To 40, Add	0.99	
	For >40 To 80, Add	0.40	
	For >240 To 960, Deduct	-0.50	
	For >960, Deduct	-0.75	

09 65 13 13-0007 Type TP Thermoplastic Rubber Wall Base (09 65 13 13)

Note: Includes inside and outside corners.

09 65 13 13-0008	LF 2-1/2" High, 1/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	4.24	0.99
	For Up To 20, Add	1.42	
	For >20 To 40, Add	0.82	
	For >40 To 80, Add	0.31	
	For >240 To 960, Deduct	-0.33	
	For >960, Deduct	-0.49	
09 65 13 13-0009	LF 3" High, 1/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	4.70	0.99
	For Up To 20, Add	1.49	
	For >20 To 40, Add	0.86	
	For >40 To 80, Add	0.33	
	For >240 To 960, Deduct	-0.37	
	For >960, Deduct	-0.56	
09 65 13 13-0010	LF 4" High, 1/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	4.76	0.99
	For Up To 20, Add	1.50	
	For >20 To 40, Add	0.87	
	For >40 To 80, Add	0.34	
	For >240 To 960, Deduct	-0.38	
	For >960, Deduct	-0.57	
09 65 13 13-0011	LF 4-1/2" High, 1/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	5.11	0.99
	For Up To 20, Add	1.55	
	For >20 To 40, Add	0.91	
	For >40 To 80, Add	0.35	
	For >240 To 960, Deduct	-0.41	
	For >960, Deduct	-0.62	
09 65 13 13-0012	LF 6" High, 1/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	6.20	0.99
	For Up To 20, Add	1.72	
	For >20 To 40, Add	1.01	
	For >40 To 80, Add	0.41	
	For >240 To 960, Deduct	-0.52	
	For >960, Deduct	-0.78	
09 65 13 13-0013	LF 2-1/2" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	8.22	0.99
	For Up To 20, Add	2.02	
	For >20 To 40, Add	1.22	
	For >40 To 80, Add	0.51	
	For >240 To 960, Deduct	-0.72	
	For >960, Deduct	-1.09	
09 65 13 13-0014	LF 3" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	8.66	0.99
	For Up To 20, Add	2.09	
	For >20 To 40, Add	1.26	
	For >40 To 80, Add	0.53	
	For >240 To 960, Deduct	-0.77	
	For >960, Deduct	-1.15	
09 65 13 13-0015	LF 4" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	10.02	0.99
	For Up To 20, Add	2.29	
	For >20 To 40, Add	1.40	
	For >40 To 80, Add	0.60	
	For >240 To 960, Deduct	-0.90	
	For >960, Deduct	-1.36	

09 Finishes**09 60 Flooring****09 65 Resilient Flooring**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
09 65 13 13-0016	LF 4-1/2" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	10.92		0.99	
	For Up To 20, Add	2.43			
	For >20 To 40, Add	1.49			
	For >40 To 80, Add	0.64			
	For >240 To 960, Deduct	-0.99			
	For >960, Deduct	-1.49			
09 65 13 13-0017	LF 6" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	15.41		0.99	
	For Up To 20, Add	3.10			
	For >20 To 40, Add	1.94			
	For >40 To 80, Add	0.87			
	For >240 To 960, Deduct	-1.44			
	For >960, Deduct	-2.16			
09 65 13 13-0018	Type TS Thermoset Vulcanized Rubber Wall Base (09 65 13 13)				
	Note: Includes inside and outside corners.				
09 65 13 13-0019	LF 2-1/2" High, 1/8" Thick, Type TS Thermoset Vulcanized Rubber Wall Base, All Colors	4.81		1.18	
	For Up To 20, Add	1.51			
	For >20 To 40, Add	0.88			
	For >40 To 80, Add	0.34			
	For >240 To 960, Deduct	-0.38			
	For >960, Deduct	-0.57			
09 65 13 13-0020	LF 3" High, 1/8" Thick, Type TS Thermoset Vulcanized Rubber Wall Base, All Colors	5.38		1.18	
	For Up To 20, Add	1.60			
	For >20 To 40, Add	0.93			
	For >40 To 80, Add	0.37			
	For >240 To 960, Deduct	-0.44			
	For >960, Deduct	-0.66			
09 65 13 13-0021	LF 4" High, 1/8" Thick, Type TS Thermoset Vulcanized Rubber Wall Base, All Colors	4.84		0.99	
	For Up To 20, Add	1.51			
	For >20 To 40, Add	0.88			
	For >40 To 80, Add	0.34			
	For >240 To 960, Deduct	-0.39			
	For >960, Deduct	-0.58			
09 65 13 13-0022	LF 4-1/2" High, 1/8" Thick, Type TS Thermoset Vulcanized Rubber Wall Base, All Colors	5.19		0.99	
	For Up To 20, Add	1.57			
	For >20 To 40, Add	0.91			
	For >40 To 80, Add	0.36			
	For >240 To 960, Deduct	-0.42			
	For >960, Deduct	-0.63			
09 65 13 13-0023	LF 6" High, 1/8" Thick, Type TS Thermoset Vulcanized Rubber Wall Base, All Colors	7.32		1.18	
	For Up To 20, Add	2.05			
	For >20 To 40, Add	1.21			
	For >40 To 80, Add	0.48			
	For >240 To 960, Deduct	-0.61			
	For >960, Deduct	-0.92			
09 65 13 23	Resilient Stair Treads and Risers (09 65 13)				
	Note: All treads have integral nosing. Abrasive strip modifier includes either 1 or 2 strips running the length of the tread.				
	All colors.				
09 65 13 23-0001	Rubber Stair Treads and Risers (09 65 13 23)				
09 65 13 23-0002	Raised Disc Or Other Patterned Rubber Stair Tread (09 65 13 23-0001)				
09 65 13 23-0003	LF 3/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread	14.96		1.58	
	Note: Raised disc or other pattern.				
	For Abrasive Strip, Add	2.75			
	For Photo Luminescent Abrasive Strip, Add	3.75			
09 65 13 23-0004	LF 1/4" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread	16.06		1.69	
	Note: Raised disc or other pattern.				
	For Abrasive Strip, Add	2.75			
	For Photo Luminescent Abrasive Strip, Add	3.75			
09 65 13 23-0005	LF 5/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread	19.64		1.81	
	Note: Raised disc or other pattern.				
	For Abrasive Strip, Add	2.75			
	For Photo Luminescent Abrasive Strip, Add	3.75			
09 65 13 23-0006	Smooth Surface Rubber Stair Tread (09 65 13 23-0001)				
09 65 13 23-0007	LF 3/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread	14.04		1.58	
	Note: Smooth surface.				
	For Abrasive Strip, Add	2.75			
	For Photo Luminescent Abrasive Strip, Add	3.75			
09 65 13 23-0008	LF 1/4" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread	14.78		1.69	
	Note: Smooth surface.				
	For Abrasive Strip, Add	2.75			
	For Photo Luminescent Abrasive Strip, Add	3.75			
09 65 13 23-0009	LF 5/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread	18.28		1.82	
	Note: Smooth surface.				
	For Abrasive Strip, Add	2.75			
	For Photo Luminescent Abrasive Strip, Add	3.75			
09 65 13 23-0010	Smooth Surface Rubber Stair Riser (09 65 13 23-0001)				
09 65 13 23-0011	LF 1/8" Thick, Smooth Surface Rubber Stair Riser	8.19		0.95	
09 65 13 23-0012	Smooth, Raised Disc or Other Patterned Rubber Landing Mats (09 65 13 23-0001)				

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 13 23-0013	SF		1/8" Thick, Rubber Landing Mats..... Note: Smooth, raised disc or other patterned surface.	26.10	1.46
09 65 13 23-0014	SF		3/16" Thick, Rubber Landing Mats..... Note: Smooth, raised disc or other patterned surface.	31.41	1.58
09 65 13 23-0015	SF		7/32" Thick, Rubber Landing Mats..... Note: Smooth, raised disc or other patterned surface.	34.07	1.77
09 65 13 23-0016			Vinyl Stair Treads and Risers (09 65 13 23)		
09 65 13 23-0017			Ribbed Vinyl Stair Tread (09 65 13 23-0016)		
09 65 13 23-0018	LF		1/8" Thick, 9" To 12-1/2" Deep, Ribbed Vinyl Stair Tread..... For Abrasive Strip, Add	17.20 2.75	1.44
09 65 13 23-0019	LF		3/16" Thick, 9" To 12-1/2" Deep, Ribbed Vinyl Stair Tread..... For Abrasive Strip, Add	19.03 2.75	1.58
09 65 13 23-0020	LF		1/4" Thick, 9" To 12-1/2" Deep, Ribbed Vinyl Stair Tread..... For Abrasive Strip, Add	23.15 2.75	1.70
09 65 13 23-0021			Smooth Surface Vinyl Stair Riser (09 65 13 23-0016)		
09 65 13 23-0022	LF		1/8" Thick, 7" High, Smooth Surface Vinyl Stair Riser	9.38	0.95
09 65 13 33			Resilient Accessories (09 65 13)		
09 65 13 33-0001			Flexible Self Leveling Cementitious Underlayments (09 65 13 33)		
09 65 13 33-0002	SF		1/8" Thick, Flexible Self Leveling Cementitious Underlayment With Liquid Latex Modifiers	1.60	0.79
09 65 13 33-0003	SF		1/4" Thick, Flexible Self Leveling Cementitious Underlayment With Liquid Latex Modifiers	2.54	0.79
09 65 13 33-0004			Concrete Floor Prep (09 65 13 33)		
09 65 13 33-0005	SF		Removal Of Glue From Concrete Floor	0.99	
			Note: For removal of glue from VCT or carpet placement. Not to be used in conjunction with demolition tasks associated with floor tile installation.		
09 65 13 36			Resilient Carpet Transitions (09 65 13)		
09 65 13 36-0001			Vinyl Transition Strip (09 65 13 36)		
09 65 13 36-0002	LF		Vinyl Transition Strip, Brown Or Black	2.23	0.71
			For >240 To 960, Deduct	-0.17	
			For >960, Deduct	-0.26	
09 65 13 36-0003	LF		Vinyl Floor Tile Reducer Strip, Brown Or Black	1.96	0.71
			For >240 To 960, Deduct	-0.15	
			For >960, Deduct	-0.22	
09 65 13 36-0004	LF		Vinyl Floor Tile Feature Strip, Brown Or Black.....	1.65	0.71
			For >240 To 960, Deduct	-0.12	
			For >960, Deduct	-0.17	
09 65 13 36-0005	LF		1/4" To 1/8" Material, Narrow, Vinyl, Slim Line Transition (Johnsonite SLT-XX-A).....	2.83	0.99
			For Up To 20, Add	1.06	
			For >20 To 40, Add	0.60	
			For >40 To 80, Add	0.22	
			For >240 To 960, Deduct	-0.20	
			For >960, Deduct	-0.31	
09 65 13 36-0006			Vinyl, Wheeled Traffic Transitions (09 65 13 36)		
09 65 13 36-0007	LF		1/4" To 1/8" Material x 1-3/4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-A)	3.64	0.99
			For Up To 20, Add	1.18	
			For >20 To 40, Add	0.68	
			For >40 To 80, Add	0.26	
			For >240 To 960, Deduct	-0.29	
			For >960, Deduct	-0.43	
09 65 13 36-0008	LF		1/4" To 1/8" Material x 1", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-C)	3.64	0.99
			For Up To 20, Add	1.18	
			For >20 To 40, Add	0.68	
			For >40 To 80, Add	0.26	
			For >240 To 960, Deduct	-0.29	
			For >960, Deduct	-0.43	
09 65 13 36-0009	LF		5/16" To 1/16" Or 1/8" Material x 1-5/8", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-D)	4.56	0.99
			For Up To 20, Add	1.32	
			For >20 To 40, Add	0.77	
			For >40 To 80, Add	0.31	
			For >240 To 960, Deduct	-0.38	
			For >960, Deduct	-0.57	
09 65 13 36-0010	LF		1/4" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-H)	7.81	0.99
			For Up To 20, Add	1.80	
			For >20 To 40, Add	1.10	
			For >40 To 80, Add	0.47	
			For >240 To 960, Deduct	-0.70	
			For >960, Deduct	-1.05	
09 65 13 36-0011	LF		1/4" To 1/8" Material x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-HL)	7.83	0.99
			For Up To 20, Add	1.81	
			For >20 To 40, Add	1.10	
			For >40 To 80, Add	0.47	
			For >240 To 960, Deduct	-0.70	
			For >960, Deduct	-1.06	

09 Finishes**09 60 Flooring****09 65 Resilient Flooring**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

09 65 13 36-0012	LF	1/4" To 0.08" Or 2 mm Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-HT)	5.04	0.99
		For Up To 20, Add	1.39	
		For >20 To 40, Add	0.82	
		For >40 To 80, Add	0.33	
		For >240 To 960, Deduct	-0.43	
		For >960, Deduct	-0.64	
09 65 13 36-0013	LF	1/4" Material To Floor x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-J)	7.60	0.99
		For Up To 20, Add	1.77	
		For >20 To 40, Add	1.08	
		For >40 To 80, Add	0.46	
		For >240 To 960, Deduct	-0.68	
		For >960, Deduct	-1.02	
09 65 13 36-0014	LF	1/4" Material To Floor x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-JL)	7.89	0.99
		For Up To 20, Add	1.82	
		For >20 To 40, Add	1.11	
		For >40 To 80, Add	0.47	
		For >240 To 960, Deduct	-0.71	
		For >960, Deduct	-1.07	
09 65 13 36-0015	LF	3/8" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-K)	6.58	0.99
		For Up To 20, Add	1.62	
		For >20 To 40, Add	0.97	
		For >40 To 80, Add	0.41	
		For >240 To 960, Deduct	-0.58	
		For >960, Deduct	-0.87	
09 65 13 36-0016	LF	3/8" To 1/4" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-L)	7.22	0.99
		For Up To 20, Add	1.72	
		For >20 To 40, Add	1.04	
		For >40 To 80, Add	0.44	
		For >240 To 960, Deduct	-0.64	
		For >960, Deduct	-0.96	
09 65 13 36-0017	LF	1/4" To 1/4" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-M)	7.89	0.99
		For Up To 20, Add	1.82	
		For >20 To 40, Add	1.11	
		For >40 To 80, Add	0.47	
		For >240 To 960, Deduct	-0.71	
		For >960, Deduct	-1.07	
09 65 13 36-0018	LF	1/8" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-N)	6.45	0.99
		For Up To 20, Add	1.60	
		For >20 To 40, Add	0.96	
		For >40 To 80, Add	0.40	
		For >240 To 960, Deduct	-0.57	
		For >960, Deduct	-0.85	
09 65 13 36-0019	LF	3/8" Material To Floor x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-P)	5.39	0.99
		For Up To 20, Add	1.44	
		For >20 To 40, Add	0.86	
		For >40 To 80, Add	0.35	
		For >240 To 960, Deduct	-0.46	
		For >960, Deduct	-0.69	
09 65 13 36-0020	LF	3/8" Material To Floor x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-PL)	8.12	0.99
		For Up To 20, Add	1.85	
		For >20 To 40, Add	1.13	
		For >40 To 80, Add	0.49	
		For >240 To 960, Deduct	-0.73	
		For >960, Deduct	-1.10	
09 65 13 36-0021	LF	1/2" Material To Floor x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-Q)	10.58	0.99
		For Up To 20, Add	2.22	
		For >20 To 40, Add	1.37	
		For >40 To 80, Add	0.61	
		For >240 To 960, Deduct	-0.98	
		For >960, Deduct	-1.47	
09 65 13 36-0022	LF	0.08" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-X)	5.22	0.99
		For Up To 20, Add	1.42	
		For >20 To 40, Add	0.84	
		For >40 To 80, Add	0.34	
		For >240 To 960, Deduct	-0.44	
		For >960, Deduct	-0.66	
09 65 13 36-0023	LF	0.08" To 0.08" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-Y)	5.31	0.99
		For Up To 20, Add	1.43	
		For >20 To 40, Add	0.85	
		For >40 To 80, Add	0.34	
		For >240 To 960, Deduct	-0.45	
		For >960, Deduct	-0.68	
09 65 13 36-0024	LF	0.08" To 3/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-Z)	6.08	0.99
		For Up To 20, Add	1.54	
		For >20 To 40, Add	0.92	
		For >40 To 80, Add	0.38	
		For >240 To 960, Deduct	-0.53	
		For >960, Deduct	-0.79	

09 65 16 Resilient Sheet Flooring (09 65)

Note: Includes mastic and cleaning floor after installation is complete.

09 65 16 23 Vinyl Sheet Flooring (09 65 16)**09 65 16 23-0001 Vinyl Sheet Flooring** (09 65 16 23)

Note: For flash cove application, add additional square foot of material to form cove base.

09 65 16 23-0002	SF	0.080" Overall Thickness, 0.080" Wear Layer, Homogeneous, Commercial Vinyl Sheet Flooring	11.20	0.59
		For Up To 40, Add	3.81	
		For >40 To 100, Add	1.91	
		For >1,000, Deduct	-1.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 16 23-0003	SF		0.080" Overall Thickness, 0.060" Wear Layer, Homogeneous, Commercial Vinyl Sheet Flooring 9.06		0.59
			For Up To 40, Add	3.39	
			For >40 To 100, Add	1.69	
			For >1,000, Deduct	-0.79	
09 65 16 23-0004	SF		0.080" Overall Thickness, 0.050" Wear Layer, Inlaid With Polyglass Backing, Commercial Vinyl Sheet Flooring..... 5.74		0.59
			For Up To 40, Add	2.72	
			For >40 To 100, Add	1.36	
			For >1,000, Deduct	-0.45	
09 65 16 23-0005	SF		0.080" Overall Thickness, 0.040" Wear Layer, Inlaid With Polyglass Backing, Commercial Vinyl Sheet Flooring..... 7.59		0.59
			For Up To 40, Add	3.09	
			For >40 To 100, Add	1.55	
			For >1,000, Deduct	-0.64	
09 65 16 23-0006	SF		0.080" Overall Thickness, 0.060" Wear Layer, Inlaid With Felt Backing, Commercial Vinyl Sheet Flooring 10.34		0.59
			For Up To 40, Add	3.64	
			For >40 To 100, Add	1.82	
			For >1,000, Deduct	-0.91	
09 65 16 23-0007	SF		0.080" Overall Thickness, 0.020" Wear Layer, Slip Retardant Surface, Commercial Vinyl Sheet Flooring 14.47		0.59
			For Up To 40, Add	4.47	
			For >40 To 100, Add	2.23	
			For >1,000, Deduct	-1.33	
09 65 16 23-0008			Heat Welding Vinyl Sheet Flooring Seams (09 65 16 23)		
			Note: For areas requiring seamless installations and superior infection control. Includes routing or hand grooving seams, installing welding rod with heat welding gun, trimming the weld rod flush with the floor surface and applying a protective finish to seam.		
09 65 16 23-0009	LF		Heat Weld Non-Patterned Vinyl Sheet Flooring Seams..... 5.72		
09 65 16 23-0010	LF		Heat Weld Patterned Vinyl Sheet Flooring Seams 6.17		
09 65 16 23-0011			Forming Vinyl Sheet Flooring Inside/Outside Cove Corners (09 65 16 23)		
			Note: Excludes heat welding.		
09 65 16 23-0012	EA		Forming Vinyl Sheet Flooring Inside/Outside Cove Corners..... 13.16		
09 65 16 23-0013			Vinyl Sheet Flooring Accessories (09 65 16 23)		
09 65 16 23-0014	LF		1/2" Radius Vinyl Cove Filler Strip 4.08		
09 65 16 23-0015	LF		1-1/4" Radius Vinyl Cove Filler Strip..... 3.60		
09 65 16 23-0016	LF		1-1/2" Radius Vinyl Cove Filler Strip..... 5.71		
09 65 16 23-0017	LF		1/8" Aluminum Cove Cap..... 2.64		
09 65 19			Resilient Tile Flooring (09 65)		
			Note: Includes mastic and cleaning floor after installation is complete. Demolition includes removal of the tile and adhesive and cleaning of the surface for a new floor.		
09 65 19 19			Vinyl Composition Tile Flooring (09 65 19)		
09 65 19 19-0001			Vinyl Composition Tile (VCT) (09 65 19 19)		
			Note: The following vinyl composition tiles are certified to ASTM F 1066 Class 1 solid color tile, Class 2 through pattern tile or Class 3 surface pattern tile as listed in the task description.		
09 65 19 19-0002	SF		1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Standard Excelon Imperial Texture®) 3.62		1.18
			For >1,000 To 3,000, Deduct	-0.08	
			For >3,000 To 6,000, Deduct	-0.20	
			For >6,000, Deduct	-0.35	
			For 3/32" Thick, Deduct	-0.22	
			For Extra Stock, Material Only, Deduct	-1.39	
			For Wax And Polish, Add	0.51	
09 65 19 19-0003	SF		1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Standard Excelon MultiColor™) 3.47		1.18
			For >1,000 To 3,000, Deduct	-0.08	
			For >3,000 To 6,000, Deduct	-0.19	
			For >6,000, Deduct	-0.34	
			For Extra Stock, Material Only, Deduct	-1.39	
			For Wax And Polish, Add	0.51	
09 65 19 19-0004	SF		1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Standard Excelon Rave®) 3.47		1.18
			For >1,000 To 3,000, Deduct	-0.08	
			For >3,000 To 6,000, Deduct	-0.19	
			For >6,000, Deduct	-0.34	
			For Extra Stock, Material Only, Deduct	-1.39	
			For Wax And Polish, Add	0.51	
09 65 19 19-0005	SF		1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® ChromaSpin™) 5.40		1.18
			For >1,000 To 3,000, Deduct	-0.12	
			For >3,000 To 6,000, Deduct	-0.27	
			For >6,000, Deduct	-0.46	
			For Extra Stock, Material Only, Deduct	-1.39	
			For Wax And Polish, Add	0.51	
09 65 19 19-0006	SF		1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Excelon Companion Square®)..... 5.42		1.18
			For >1,000 To 3,000, Deduct	-0.12	
			For >3,000 To 6,000, Deduct	-0.27	
			For >6,000, Deduct	-0.46	
			For Extra Stock, Material Only, Deduct	-1.39	
			For Wax And Polish, Add	0.51	
09 65 19 19-0007	SF		1/8" Thick, Class 3 Surface Pattern, Vinyl Composition Tile (VCT) (Armstrong® Arteffects®) 5.78		1.18
			For >1,000 To 3,000, Deduct	-0.12	
			For >3,000 To 6,000, Deduct	-0.28	
			For >6,000, Deduct	-0.48	
			For Extra Stock, Material Only, Deduct	-1.39	
			For Wax And Polish, Add	0.51	

09 Finishes**09 60 Flooring****09 65 Resilient Flooring**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
09 65 19 19-0008	SF 1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Excelon Stonetex®)	5.84		1.18
	For >1,000 To 3,000, Deduct	-0.12		
	For >3,000 To 6,000, Deduct	-0.28		
	For >6,000, Deduct	-0.48		
	For Extra Stock, Material Only, Deduct	-1.39		
	For Wax And Polish, Add	0.51		
09 65 19 19-0009	SF 1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Raffia™)	6.07		1.18
	For >1,000 To 3,000, Deduct	-0.13		
	For >3,000 To 6,000, Deduct	-0.29		
	For >6,000, Deduct	-0.50		
	For Extra Stock, Material Only, Deduct	-1.39		
	For Wax And Polish, Add	0.51		
09 65 19 19-0010	SF 1/8" Thick, Slip Retardant, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Safety Zone™)	8.17		1.18
	For >1,000 To 3,000, Deduct	-0.17		
	For >3,000 To 6,000, Deduct	-0.38		
	For >6,000, Deduct	-0.62		
	For Extra Stock, Material Only, Deduct	-1.39		
	For Wax And Polish, Add	0.51		
09 65 19 19-0011	SF 1/8" Thick, Class 1 Solid Color, Vinyl Composition Tile (VCT) (Armstrong® Excelon Feature™)	9.00		1.18
	For >1,000 To 3,000, Deduct	-0.19		
	For >3,000 To 6,000, Deduct	-0.41		
	For >6,000, Deduct	-0.67		
	For Extra Stock, Material Only, Deduct	-1.39		
	For Wax And Polish, Add	0.51		
09 65 19 19-0012	Static Dissipative Vinyl Composition Tile (VCT) (09 65 19 19)			
	Note: The following vinyl composition tiles are certified to ASTM F 1066 Class 2 through pattern tile as listed in the task description.			
09 65 19 19-0013	SF 1/8" Thick, Static Dissipative, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® SDT™)	18.43		1.18
	For >1,000 To 3,000, Deduct	-0.38		
	For >3,000 To 6,000, Deduct	-0.82		
	For >6,000, Deduct	-1.33		
	For Extra Stock, Material Only, Deduct	-2.35		
	For Wax And Polish, Add	0.51		
09 65 19 19-0014	SF 1/8" Thick, Static Dissipative, Solid Vinyl Composition Tile (VCT) (Staticworx, Ameriworx® ESD)	13.91		1.18
	For Up To 20, Add	3.07		
	For >20 To 40, Add	1.89		
	For >40 To 80, Add	0.82		
	For >1,000 To 3,000, Deduct	-0.29		
	For >3,000 To 6,000, Deduct	-0.64		
	For >6,000, Deduct	-1.06		
	For Extra Stock, Material Only, Deduct	-2.35		
09 65 19 23	Vinyl Tile Flooring (09 65 19)			
09 65 19 23-0001	Vinyl Tile (09 65 19 23)			
	Note: Any size.			
09 65 19 23-0002	Solid Vinyl Tile (SVT) (09 65 19 23-0001)			
	Note: The following solid vinyl tiles are certified to ASTM F 1700.			
09 65 19 23-0003	SF 1/8" Thick, Class 1 Type A, Homogeneous, Standard Colors, Solid Vinyl Tile (SVT)	5.74		1.18
	For Up To 20, Add	1.67		
	For >20 To 40, Add	0.98		
	For >40 To 80, Add	0.39		
	For >1,000 To 3,000, Deduct	-0.12		
	For >3,000 To 6,000, Deduct	-0.30		
	For >6,000, Deduct	-0.53		
09 65 19 23-0004	SF 1/8" Thick, Class 1 Type A, Homogeneous, Marbleized Or Travertine Pattern, Solid Vinyl Tile (SVT)	6.06		1.18
	For Up To 20, Add	1.72		
	For >20 To 40, Add	1.01		
	For >40 To 80, Add	0.40		
	For >1,000 To 3,000, Deduct	-0.13		
	For >3,000 To 6,000, Deduct	-0.31		
	For >6,000, Deduct	-0.55		
09 65 19 23-0005	SF 1/8" Thick, Class 1 Type B, Homogeneous, Slip Retardant, Solid Vinyl Tile (SVT)	6.16		1.18
	For Up To 20, Add	1.73		
	For >20 To 40, Add	1.02		
	For >40 To 80, Add	0.41		
	For >1,000 To 3,000, Deduct	-0.13		
	For >3,000 To 6,000, Deduct	-0.32		
	For >6,000, Deduct	-0.55		
09 65 19 23-0006	Luxury Vinyl Tile (LVT) (09 65 19 23-0001)			
09 65 19 23-0007	SF 2.5mm Thick, 40 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Mannington Amtico)	9.24		1.18
	For Up To 20, Add	2.19		
	For >20 To 40, Add	1.33		
	For >40 To 80, Add	0.56		
	For >1,000 To 3,000, Deduct	-0.19		
	For >3,000 To 6,000, Deduct	-0.44		
	For >6,000, Deduct	-0.74		
09 65 19 23-0008	SF 3mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Crete)	5.38		1.58
	For Up To 20, Add	1.62		
	For >20 To 40, Add	0.94		
	For >40 To 80, Add	0.37		
	For >1,000 To 3,000, Deduct	-0.12		
	For >3,000 To 6,000, Deduct	-0.29		
	For >6,000, Deduct	-0.50		

		Finishes	09	9
		Flooring	09 60	
		Resilient Flooring	09 65	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 19 23-0009	SF		3mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Jeogori).....	5.57	1.58
			For Up To 20, Add	1.64	
			For >20 To 40, Add	0.96	
			For >40 To 80, Add	0.38	
			For >1,000 To 3,000, Deduct	-0.12	
			For >3,000 To 6,000, Deduct	-0.29	
			For >6,000, Deduct	-0.52	
09 65 19 23-0010	SF		2.5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) Plank (Shaw Grain Direct Glue).....	5.22	1.58
			For Up To 20, Add	1.59	
			For >20 To 40, Add	0.93	
			For >40 To 80, Add	0.36	
			For >1,000 To 3,000, Deduct	-0.11	
			For >3,000 To 6,000, Deduct	-0.28	
			For >6,000, Deduct	-0.50	
09 65 19 23-0011	SF		2.5mm Thick, 20 Mil Wear Layer, Glue-down Luxury Vinyl Tile (LVT) Plank (Shaw Pigment Direct Glue).....	5.56	1.58
			For Up To 20, Add	1.64	
			For >20 To 40, Add	0.96	
			For >40 To 80, Add	0.38	
			For >1,000 To 3,000, Deduct	-0.12	
			For >3,000 To 6,000, Deduct	-0.29	
			For >6,000, Deduct	-0.52	
09 65 19 23-0012	SF		2.5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) Plank (Shaw Terrain II 20 MIL 2.5MM)	4.55	1.18
			For Up To 20, Add	1.49	
			For >20 To 40, Add	0.86	
			For >40 To 80, Add	0.33	
			For >1,000 To 3,000, Deduct	-0.10	
			For >3,000 To 6,000, Deduct	-0.25	
			For >6,000, Deduct	-0.45	
09 65 19 23-0013	SF		5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) Plank (Shaw Terrain II 20 MIL 5.0MM)	6.12	1.18
			For Up To 20, Add	1.73	
			For >20 To 40, Add	1.02	
			For >40 To 80, Add	0.41	
			For >1,000 To 3,000, Deduct	-0.13	
			For >3,000 To 6,000, Deduct	-0.32	
			For >6,000, Deduct	-0.55	
09 65 19 23-0014	SF		2.5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Compound 2.5MM)	5.35	1.58
			For Up To 20, Add	1.61	
			For >20 To 40, Add	0.94	
			For >40 To 80, Add	0.37	
			For >1,000 To 3,000, Deduct	-0.12	
			For >3,000 To 6,000, Deduct	-0.28	
			For >6,000, Deduct	-0.50	
09 65 19 23-0015	SF		5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Compound 5.0MM)	6.13	1.58
			For Up To 20, Add	1.73	
			For >20 To 40, Add	1.02	
			For >40 To 80, Add	0.41	
			For >1,000 To 3,000, Deduct	-0.13	
			For >3,000 To 6,000, Deduct	-0.32	
			For >6,000, Deduct	-0.55	
09 65 19 23-0016	SF		2.5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Cast 2.5MM)	5.35	1.58
			For Up To 20, Add	1.61	
			For >20 To 40, Add	0.94	
			For >40 To 80, Add	0.37	
			For >1,000 To 3,000, Deduct	-0.12	
			For >3,000 To 6,000, Deduct	-0.28	
			For >6,000, Deduct	-0.50	
09 65 19 23-0017	SF		5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Cast 5.0MM)	6.13	1.58
			For Up To 20, Add	1.73	
			For >20 To 40, Add	1.02	
			For >40 To 80, Add	0.41	
			For >1,000 To 3,000, Deduct	-0.13	
			For >3,000 To 6,000, Deduct	-0.32	
			For >6,000, Deduct	-0.55	
09 65 19 23-0018	SF		5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) Plank (Shaw Inlet II).....	6.26	1.58
			For Up To 20, Add	1.75	
			For >20 To 40, Add	1.03	
			For >40 To 80, Add	0.41	
			For >1,000 To 3,000, Deduct	-0.14	
			For >3,000 To 6,000, Deduct	-0.32	
			For >6,000, Deduct	-0.56	
09 65 19 23-0019	SF		5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) Plank (Shaw Cove)	6.26	1.58
			For Up To 20, Add	1.75	
			For >20 To 40, Add	1.03	
			For >40 To 80, Add	0.41	
			For >1,000 To 3,000, Deduct	-0.14	
			For >3,000 To 6,000, Deduct	-0.32	
			For >6,000, Deduct	-0.56	
09 65 19 23-0020	SF		6mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Basis).....	6.83	1.58
			For Up To 20, Add	1.83	
			For >20 To 40, Add	1.09	
			For >40 To 80, Add	0.44	
			For >1,000 To 3,000, Deduct	-0.15	
			For >3,000 To 6,000, Deduct	-0.34	
			For >6,000, Deduct	-0.59	
09 65 19 23-0021	SF		5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Thoughtful).....	6.22	1.58
			For Up To 20, Add	1.74	
			For >20 To 40, Add	1.03	
			For >40 To 80, Add	0.41	
			For >1,000 To 3,000, Deduct	-0.13	
			For >3,000 To 6,000, Deduct	-0.32	
			For >6,000, Deduct	-0.56	

09 Finishes**09 60 Flooring****09 65 Resilient Flooring**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

09 65 19 23-0022	SF	3mm Thick, 30 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) Plank (Shaw Unveil).....	5.24	1.58
		For Up To 20, Add	1.59	
		For >20 To 40, Add	0.93	
		For >40 To 80, Add	0.36	
		For >1,000 To 3,000, Deduct	-0.11	
		For >3,000 To 6,000, Deduct	-0.28	
		For >6,000, Deduct	-0.50	
09 65 19 23-0023	SF	2.5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) Plank (Shaw Abide).....	4.83	1.58
		For Up To 20, Add	1.53	
		For >20 To 40, Add	0.89	
		For >40 To 80, Add	0.34	
		For >1,000 To 3,000, Deduct	-0.11	
		For >3,000 To 6,000, Deduct	-0.26	
		For >6,000, Deduct	-0.47	
09 65 19 23-0024	SF	5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) Plank (Shaw Solitude).....	5.60	1.18
		For Up To 20, Add	1.65	
		For >20 To 40, Add	0.96	
		For >40 To 80, Add	0.38	
		For >1,000 To 3,000, Deduct	-0.12	
		For >3,000 To 6,000, Deduct	-0.29	
		For >6,000, Deduct	-0.52	
09 65 19 23-0025	SF	2.5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) Plank (Shaw Strand).....	4.99	1.18
		For Up To 20, Add	1.56	
		For >20 To 40, Add	0.90	
		For >40 To 80, Add	0.35	
		For >1,000 To 3,000, Deduct	-0.11	
		For >3,000 To 6,000, Deduct	-0.27	
		For >6,000, Deduct	-0.48	
09 65 19 23-0026	SF	2.5mm Thick, 22 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Function 2.5MM).....	4.49	1.18
		For Up To 20, Add	1.48	
		For >20 To 40, Add	0.85	
		For >40 To 80, Add	0.33	
		For >1,000 To 3,000, Deduct	-0.10	
		For >3,000 To 6,000, Deduct	-0.25	
		For >6,000, Deduct	-0.45	
09 65 19 23-0027	SF	5mm Thick, 22 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Function 5.0MM).....	5.97	1.18
		For Up To 20, Add	1.70	
		For >20 To 40, Add	1.00	
		For >40 To 80, Add	0.40	
		For >1,000 To 3,000, Deduct	-0.13	
		For >3,000 To 6,000, Deduct	-0.31	
		For >6,000, Deduct	-0.54	
09 65 19 23-0028	SF	2.5mm Thick, 22 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Flow 2.5MM).....	4.49	1.18
		For Up To 20, Add	1.48	
		For >20 To 40, Add	0.85	
		For >40 To 80, Add	0.33	
		For >1,000 To 3,000, Deduct	-0.10	
		For >3,000 To 6,000, Deduct	-0.25	
		For >6,000, Deduct	-0.45	
09 65 19 23-0029	SF	5mm Thick, 22 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Flow 5.0MM).....	5.97	1.18
		For Up To 20, Add	1.70	
		For >20 To 40, Add	1.00	
		For >40 To 80, Add	0.40	
		For >1,000 To 3,000, Deduct	-0.13	
		For >3,000 To 6,000, Deduct	-0.31	
		For >6,000, Deduct	-0.54	
09 65 19 23-0030	SF	2.5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Joy Squared).....	5.35	1.18
		For Up To 20, Add	1.61	
		For >20 To 40, Add	0.94	
		For >40 To 80, Add	0.37	
		For >1,000 To 3,000, Deduct	-0.12	
		For >3,000 To 6,000, Deduct	-0.28	
		For >6,000, Deduct	-0.50	

09 65 19 33 Rubber Tile Flooring (09 65 19)

09 65 19 33-0001 Rubber Tile (09 65 19 33)

09 65 19 33-0002 Rubber Tile With Raised Discs, Assorted Colors (09 65 19 33-0001)

09 65 19 33-0003	SF	1/8" Thick Rubber Tile With Raised Discs	23.31	0.71
		Note: Smooth, raised disc or other patterned surface.		
		For Up To 100, Add	1.24	
09 65 19 33-0004	SF	3/16" Thick Rubber Tile With Raised Discs	28.36	0.79
		Note: Smooth, raised disc or other patterned surface.		
		For Up To 100, Add	1.50	
09 65 19 33-0005	SF	7/32" Thick Rubber Tile With Raised Discs	31.45	0.95
		Note: Smooth, raised disc or other patterned surface.		
		For Up To 100, Add	1.67	

09 65 19 43 Polyester Composition Tile Flooring (09 65 19)

09 65 19 43-0001 Polyester Composition Floor Tile (09 65 19 43)

09 65 19 43-0002	SF	1/8" Thick, Polyester Composition Floor Tile (Armstrong® BioBased Tile® Migrations®).....	8.71	1.18
		For >1,000 To 3,000, Deduct	-0.18	
		For >3,000 To 6,000, Deduct	-0.40	
		For >6,000, Deduct	-0.65	
		For Extra Stock, Material Only, Deduct	-1.39	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 19 43-0003	SF		1/8" Thick, Polyester Composition Floor Tile (Armstrong® BioBased Tile® Striations®)	6.40	1.18
			For >1,000 To 3,000, Deduct	-0.14	
			For >3,000 To 6,000, Deduct	-0.31	
			For >6,000, Deduct	-0.52	
			For Extra Stock, Material Only, Deduct	-1.39	
09 65 23 Resilient Plank Flooring (09 65)					
Note: Includes mastic and cleaning floor after installation is complete.					
09 65 23 00-0001			Vinyl Plank Flooring (09 65 23)		
09 65 23 00-0002	SF		0.110" Overall Thickness, 0.012" Wear Layer, Vinyl Plank Flooring (Armstrong® Luxe Plank™)	6.60	0.59
			For Up To 40, Add	2.89	
			For >40 To 100, Add	1.45	
			For >1,000, Deduct	-0.54	
09 65 23 00-0003	SF		0.135" Overall Thickness, 0.020" Wear Layer, Vinyl Plank Flooring (Armstrong® Luxe Plank™)	8.34	0.59
			For Up To 40, Add	3.24	
			For >40 To 100, Add	1.62	
			For >1,000, Deduct	-0.71	
09 65 23 00-0004	SF		0.16" Overall Thickness, 0.020" Wear Layer, Vinyl Plank Flooring (Armstrong® Luxe Plank™)	9.41	0.59
			For Up To 40, Add	3.46	
			For >40 To 100, Add	1.73	
			For >1,000, Deduct	-0.82	
09 65 23 00-0005	SF		2.5mm Thick, 20 Mil Wear Layer, Glue-down, PVC Free, Resilient Plank Flooring (Shaw Pivot)	5.14	1.18
			For Up To 20, Add	1.58	
			For >20 To 40, Add	0.92	
			For >40 To 80, Add	0.36	
			For >1,000 To 3,000, Deduct	-0.11	
			For >3,000 To 6,000, Deduct	-0.28	
			For >6,000, Deduct	-0.49	
09 65 43 Linoleum Flooring (09 65)					
Note: Includes mastic and cleaning floor after installation is complete.					
09 65 43 00-0001			Linoleum Flooring (09 65 43)		
09 65 43 00-0002	SF		Linoleum Tile (Forbo Marmoleum Composition Tile, MCT)	6.84	1.18
09 65 43 00-0003	SF		2.5 mm, Linoleum Sheet (Forbo Marmoleum)	5.22	0.59
			For 3.2mm Thickness, Add	0.80	
			For 2mm Thickness, Deduct	-0.38	
09 65 43 00-0004	LF		Heat Weld Linoleum Sheet Flooring Seams	5.73	
			Note: For areas requiring seamless installations and superior infection control. Includes routing or hand grooving seams, installing welding rod with heat welding gun, trimming the weld rod flush with the floor surface and applying a protective finish to seam.		
09 65 66 Resilient Athletic Flooring (09 65)					
09 65 66 00-0001			Recycled Rubber, Interlocking Athletic Tiles (09 65 66)		
09 65 66 00-0002	SF		3/8" Height, Recycled Rubber, Interlocking Athletic Tile	7.66	0.55
			For Colors, Add	1.37	
09 65 66 00-0003	SF		1/2" Height, Recycled Rubber, Interlocking Athletic Tile	8.89	0.70
			For Colors, Add	1.58	
09 65 66 00-0004	SF		3/4" Height, Recycled Rubber, Interlocking Athletic Tile	10.17	1.11
			For Colors, Add	1.72	
09 65 66 00-0005	SF		1" Height, Recycled Rubber, Interlocking Athletic Tile	14.90	1.34
			For Colors, Add	2.60	
09 65 66 00-0006			Closed Cell, 100 Percent Virgin Rubber, Interlocking Athletic Tiles (09 65 66)		
09 65 66 00-0007	SF		3/8" Height, Black Hammered Surface, Closed Cell, 100 Percent Virgin Rubber, Hidden Interlocking Athletic Tile (Pawling HL-155)	41.98	0.55
			For Colors, Add	5.15	
09 65 66 00-0008	SF		9/16" Height, Black Raised Squares Surface, Closed Cell, 100 Percent Virgin Rubber, Hidden Interlocking Athletic Tile (Pawling HL-100)	60.87	0.55
			For Colors, Add	7.51	
09 65 66 00-0009	SF		3/8" Height, Black Raised Discs Surface, Closed Cell, 100 Percent Virgin Rubber, Interlocking Athletic Tile (Pawling PL-100)	44.36	0.55
			For Colors, Add	5.45	
09 65 66 00-0010	SF		9/16" Height, Black Raised Nubs Surface, Closed Cell, 100 Percent Virgin Rubber, Interlocking Athletic Tile (Pawling PL-200)	54.65	0.55
			For Colors, Add	6.73	
09 65 66 00-0011	SF		7/16" Height, Black Reversible Hammered Surface, Closed Cell, 100 Percent Virgin Rubber, Interlocking Athletic Tile (Pawling FL-150)	45.62	0.55
			For Colors, Add	5.60	
09 65 66 00-0012			Sheet Goods For Gym (09 65 66)		
09 65 66 00-0013	SF		1/4" Polyvinyl Chloride (PVC) Cushioned Synthetic Gym Floor	22.29	2.37
09 65 66 00-0014	SF		9/32" Polyvinyl Chloride (PVC) Cushioned Synthetic Gym Floor	23.60	2.45
09 65 66 00-0015	SF		3/8" Polyvinyl Chloride (PVC) Cushioned Synthetic Gym Floor	24.82	2.53
09 65 66 00-0016	SF		1/8" Rubber Sheet Good For Gym Floor Base	4.59	1.93
09 65 66 00-0017	SF		3/16" Rubber Sheet Good For Gym Floor Base	5.14	2.21
09 65 66 00-0018	SF		1/4" Rubber Sheet Good For Gym Floor Base	5.98	2.37
09 65 66 00-0019	SF		3/8" Rubber Sheet Good For Gym Floor Base	6.58	2.53
09 65 66 00-0020	SF		1/2" Rubber Sheet Good For Gym Floor Base	6.98	2.68

09	09 Finishes
	09 60 Flooring
	09 65 Resilient Flooring

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
09 65 66 00-0021	Polyurethane Floor Systems (09 65 66) See CSI section 09 93 23 53-0015 for game lines.				
09 65 66 00-0022	SF 9 mm Thick Base Coat, 2 mm Thick Top Coat, Polyurethane Floor System With Polyurethane/Rubber Granulate Base (Robbins Pulastic)	22.64		1.58	
09 66 Terrazzo Flooring	(09 60)				
09 66 13 Portland Cement Terrazzo Flooring	(09 66) Note: Excludes divider strips. See CSI section 09 66 33 00-0000 for conductive terrazzo.				
09 66 13 13 Sand Cushion Terrazzo Flooring	(09 66 13)				
09 66 13 13-0001	Floors Not Bonded To Concrete (09 66 13 13) Note: 3" Thick - 5/8" topping and 1/4" sand cushion.				
09 66 13 13-0002	SF Terrazzo Floor, Not Bonded, Gray Cement 3" Thick With 5/8" Topping, 1/4" Sand Cushion.....	33.20		3.26	
	For Venetian Type Terrazzo, Add	7.89			
	For Abrasive Heavy-Duty Terrazzo, Add	7.89			
	For Colors, Add	3.95			
	For Up To 100, Add	8.55			
	For >100 To 250, Add	4.27			
09 66 13 13-0003	SF Terrazzo Floor, Not Bonded, White Cement 3" Thick With 5/8" Topping, 1/4" Sand Cushion	33.35		3.26	
	For Venetian Type Terrazzo, Add	7.97			
	For Abrasive Heavy-Duty Terrazzo, Add	7.97			
	For Colors, Add	3.98			
	For Up To 100, Add	8.56			
	For >100 To 250, Add	4.28			
09 66 13 16 Monolithic Terrazzo Flooring	(09 66 13)				
09 66 13 16-0001	Monolithic Terrazzo (09 66 13 16)				
09 66 13 16-0002	SF Monolithic Terrazzo, 3-1/2" Base 5/8" Topping, 4' To 5' Square Panels Topping	17.82		3.26	
	Note: Including Mesh And Felt				
	For Venetian Type Terrazzo, Add	5.75			
	For Abrasive Heavy-Duty Terrazzo, Add	5.75			
	For Colors, Add	2.87			
	For Up To 100, Add	3.68			
	For >100 To 250, Add	1.84			
09 66 13 19 Bonded Terrazzo Flooring	(09 66 13)				
09 66 13 19-0001	Floors Bonded To Concrete (09 66 13 19) Note: 1-3/4" Thick - 5/8" topping.				
09 66 13 19-0002	SF Terrazzo Floor, Bonded To Concrete, Gray Cement 1-3/4" Thick With 5/8" Topping	26.40		3.26	
	For Venetian Type Terrazzo, Add	6.51			
	For Abrasive Heavy-Duty Terrazzo, Add	6.51			
	For Colors, Add	3.26			
	For Up To 100, Add	6.65			
	For >100 To 250, Add	3.33			
09 66 13 19-0003	SF Terrazzo Floor, Bonded To Concrete, White Cement 1-3/4" Thick With 5/8" Topping	26.56		3.26	
	For Venetian Type Terrazzo, Add	6.59			
	For Abrasive Heavy-Duty Terrazzo, Add	6.59			
	For Colors, Add	3.30			
	For Up To 100, Add	6.67			
	For >100 To 250, Add	3.34			
09 66 13 19-0004	Terrazzo Wainscot (09 66 13 19)				
09 66 13 19-0005	SF 1-1/2" Thick Terrazzo Wainscot, Cast In Place, Bonded To Concrete Or Masonry	37.42		4.35	
	For Venetian Type Terrazzo, Add	4.22			
09 66 13 19-0006	Terrazzo Base (09 66 13 19)				
09 66 13 19-0007	SF 6" Cove Type Terrazzo Base, Cast In Place, Bonded To Concrete Or Masonry	38.02		3.53	
	For Venetian Type Terrazzo, Add	9.19			
09 66 13 19-0008	Terrazzo Curb (09 66 13 19)				
09 66 13 19-0009	LF 6" x 6" Terrazzo Curb, Cast In Place, Polished Top And 2 Faces	103.05		23.56	
	For Venetian Type Terrazzo, Add	12.26			
09 66 13 19-0010	Stairs Cast In Place (09 66 13 19) Note: Topping applied to concrete or metal.				
09 66 13 19-0011	LF 1-1/2" Thick x 12" Wide, Terrazzo Stair, Cast In Place, Bonded To Concrete Or Metal	38.52		6.52	
	For Each SF Of Abrasive Surface Finish, Add	0.35			
	For Each LF Of Embedded Abrasive Strips, Add	0.56			
	For Each LF Of Abrasive Metal Nosing, Add	3.90			
	For Each SF Of Landings, Add	1.50			
09 66 13 19-0012	LF Terrazzo Stair Tread And Riser, Cast In Place, Bonded To Concrete Or Metal	97.55		21.74	
	For Each SF Of Abrasive Surface Finish, Add	0.35			
	For Each LF Of Embedded Abrasive Strips, Add	0.56			
	For Each LF Of Abrasive Metal Nosing, Add	3.90			
	For Each SF Of Landings, Add	1.50			

		Finishes	09	2
		Flooring	09 60	
		Terrazzo Flooring	09 66	
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
		UNIT COST	UNIT COST	

09 66 13 19-0013	SF	Terrazzo Stair Stringer And Fascia, Cast In Place, Bonded To Concrete Or Metal.....	38.98	6.52
		For Each SF Of Abrasive Surface Finish, Add	0.35	
		For Each LF Of Embedded Abrasive Strips, Add	0.56	
		For Each LF Of Abrasive Metal Nosing, Add	3.90	
		For Each SF Of Landings, Add	1.50	
09 66 13 19-0014		Divider Strips (09 66 13 19)		
09 66 13 19-0015	LF	1-1/4" Deep, 14 Gauge, Zinc Plated Steel, Divider Strip.....	7.15	1.09
09 66 13 19-0016	LF	1-1/4" Deep, 14 Gauge, Brass, Divider Strip	6.38	1.09
09 66 13 19-0017	LF	1-1/4" Deep, 1/4" Thick, Zinc Plated Steel, Heavy Top Strip	11.24	1.09
09 66 13 19-0018	LF	1-1/4" Deep, 1/4" Thick, Galvanized Steel Bottom, Brass, Heavy Top Strip	16.96	1.09
09 66 13 19-0019	LF	1/2" x 1/2", 16 Gauge, Zinc Plated Steel, Divider Strip For Thin Set Floors.....	6.79	1.09
09 66 13 19-0020	LF	1/2" x 1/2", 16 Gauge, Brass, Divider Strip For Thin Set Floors.....	10.40	1.09
09 66 13 19-0021	LF	Vinyl Plastic, Divider Strip For Floor	6.13	1.09
09 66 16		Terrazzo Floor Tile (09 66)		
09 66 16 13		Portland Cement Terrazzo Floor Tile (09 66 16)		
09 66 16 13-0001		Flooring Tiles (09 66 16 13)		
		Note: Gray cement setting bed 3/16" polyester matrix or 1/2" cement matrix 12" x 12".		
09 66 16 13-0002		Terrazzo Tiles With Non-Slip Surface (09 66 16 13-0001)		
09 66 16 13-0003	SF	9" x 9" x 1" Non-Slip Precast Terrazzo, Thin Set Floor Tile	31.53	3.28
		For White Cement, Add	0.36	
		For Venetian Type Terrazzo, Add	2.00	
09 66 16 13-0004	SF	12" x 12" x 1" Non-Slip Precast Terrazzo, Thin Set Floor Tile	31.81	3.28
		For White Cement, Add	0.36	
		For Venetian Type Terrazzo, Add	2.00	
09 66 16 13-0005	SF	12" x 12" x 1-1/2" Non-Slip Precast Terrazzo, Thin Set Floor Tile	36.53	3.28
		For White Cement, Add	0.36	
		For Venetian Type Terrazzo, Add	2.00	
09 66 16 13-0006	SF	18" x 18" x 1-1/2" Non-Slip Precast Terrazzo, Thin Set Floor Tile	38.47	3.28
		For White Cement, Add	0.36	
		For Venetian Type Terrazzo, Add	2.00	
09 66 16 13-0007	SF	24" x 24" x 1-1/2" Non-Slip Precast Terrazzo, Thin Set Floor Tile	39.56	3.28
		For White Cement, Add	0.36	
		For Venetian Type Terrazzo, Add	2.00	
09 66 16 13-0008		Terrazzo Tile Thin Set (09 66 16 13-0001)		
09 66 16 13-0009	SF	Precast Terrazzo, 1/4" To 1/2" Chips Floor Tiles, Thin Set Gray Cement Bed	30.94	3.28
		For White Cement, Add	0.36	
		For Venetian Type Terrazzo, Add	2.00	
09 66 16 13-0010	SF	Precast Terrazzo, 3/8" To 1" Chips Floor Tiles, Thin Set Gray Cement Bed	32.74	3.28
		For White Cement, Add	0.36	
		For Venetian Type Terrazzo, Add	2.00	
09 66 16 13-0011		Thin Set Terrazzo Wainscot (09 66 16 13-0001)		
09 66 16 13-0012	SF	12" x 12" x 1" Terrazzo Tile Wainscot Thin Set	50.32	7.07
		For Each LF Of White Cement, Add	0.50	
		For Each LF Of Zinc Toe Strip, Add	1.00	
09 66 16 13-0013	SF	18" x 18" x 1-1/2" Terrazzo Tile Wainscot Thin Set	57.60	7.07
		For Each LF Of White Cement, Add	0.50	
		For Each LF Of Zinc Toe Strip, Add	1.00	
09 66 16 13-0014		Thin Set Terrazzo Base, Gray Cement (09 66 16 13-0001)		
09 66 16 13-0015	LF	6" High, Straight Terrazzo Base Thin Set, Gray Cement	16.49	3.53
		For Each LF Of White Cement, Add	0.50	
		For Each LF Of Zinc Toe Strip, Add	1.00	
09 66 16 13-0016	LF	6" High, Cove Terrazzo Base Thin Set, Gray Cement	18.15	3.53
		For Each LF Of White Cement, Add	0.50	
		For Each LF Of Zinc Toe Strip, Add	1.00	
09 66 16 13-0017	LF	8" High, Straight Terrazzo Base Thin Set, Gray Cement	19.05	3.53
		For Each LF Of White Cement, Add	0.50	
		For Each LF Of Zinc Toe Strip, Add	1.00	
09 66 16 13-0018	LF	8" High, Cove Terrazzo Base Thin Set, Gray Cement	19.89	3.53
		For Each LF Of White Cement, Add	0.50	
		For Each LF Of Zinc Toe Strip, Add	1.00	
09 66 16 13-0019		Terrazzo Curbs (09 66 16 13-0001)		
09 66 16 13-0020	LF	8" x 8" Curb, Terrazzo Tile.....	34.57	4.72
		For Each LF Of White Cement, Add	0.50	
		For Each LF Of Zinc Toe Strip, Add	1.00	
09 66 16 13-0021	LF	6" x 6" Curb, Terrazzo Tile.....	33.74	4.72
		For Each LF Of White Cement, Add	0.50	
		For Each LF Of Zinc Toe Strip, Add	1.00	
09 66 16 13-0022		Precast Terrazzo Stair Treads 12" Wide (09 66 16 13-0001)		
09 66 16 13-0023	LF	1-1/2" Precast Terrazzo Stair Tread 12" Wide x 1-1/2" Thick, Diamond Pattern	74.77	4.72
09 66 16 13-0024	LF	1-1/2" Precast Terrazzo Stair Tread 12" Wide x 1-1/2" Thick, Non-Slip Surface	64.77	4.72
09 66 16 13-0025	LF	2" Precast Terrazzo Straight Stair Tread	58.11	4.72

09	09 Finishes	
	09 60 Flooring	
	09 66 Terrazzo Flooring	

MINOR			TOTAL DIRECT		DEMOLITION
CSI UOM DESCRIPTION			UNIT COST		UNIT COST
09 66 16 13-0026	LF	2" Precast Terrazzo Curved Stair Tread.....	67.74		4.72
09 66 16 13-0027		Stair Risers, 1" Thick To 6" High, Straight (09 66 16 13-0001)			
09 66 16 13-0028	LF	1" To 6" High Precast Terrazzo Stair Riser Straight Section, Thin Set.....	34.73		3.53
09 66 16 13-0029	LF	1" To 6" High Precast Terrazzo Stair Riser Straight Cove Section, Thin Set.....	39.73		3.53
09 66 16 13-0030		Stair Risers, 1" Thick To 6" High, Curved (09 66 16 13-0001)			
09 66 16 13-0031	LF	1" To 6" High Precast Terrazzo Stair Riser Curved Vertical Section, Thin Set.....	50.12		3.53
09 66 16 13-0032	LF	1" To 6" High Precast Terrazzo Stair Riser Curved Cove Section, Thin Set.....	53.45		3.53
09 66 16 13-0033		Tread And Riser (09 66 16 13)			
09 66 16 13-0034		Stair Stringers, Notched For Treads And Risers (09 66 16 13-0033)			
09 66 16 13-0035	LF	1" Precast Terrazzo Stair Stringers Notched For Treads And Risers.....	84.98		9.42
09 66 16 13-0036	LF	2" Precast Terrazzo Stair Stringers Notched For Treads And Risers.....	102.26		9.42
09 66 16 13-0037		Structural Non-Slip Landings (09 66 16 13-0033)			
09 66 16 13-0038	SF	1-1/2" Thick Precast Terrazzo Stair Landing Structural, Non-Slip.....	60.77		4.72
09 66 16 13-0039	SF	3" Thick Precast Terrazzo Stair Landing Structural, Non-Slip.....	74.12		4.72
09 66 16 13-0040		Combined Tread And Riser (09 66 16 13-0033)			
09 66 16 13-0041		Straight Sections (09 66 16 13-0040)			
09 66 16 13-0042	LF	Precast Terrazzo Stair Tread And Riser 1-1/2" Tread, 3/4" Riser, Straight Section.....	129.57		9.42
09 66 16 13-0043	LF	Precast Terrazzo Stair Tread And Riser 3" Tread, 1" Riser, Straight Section.....	152.90		9.42
09 66 16 13-0044		Curved Sections (09 66 16 13-0040)			
09 66 16 13-0045	LF	Precast Terrazzo Stair Tread And Riser 2" Tread, 1" Riser, Curved Section.....	160.91		9.42
09 66 16 13-0046	LF	Precast Terrazzo Stair Tread And Riser 3" Tread, 1" Riser, Curved Section.....	200.91		9.42
09 66 23		Resinous Matrix Terrazzo Flooring (09 66)			
09 66 23 16		Epoxy-Resin Terrazzo Flooring (09 66 23)			
09 66 23 16-0001		Epoxy Terrazzo (09 66 23 16)			
09 66 23 16-0002	SF	Chemical Resistant Epoxy Terrazzo, 1/4" Thick.....	24.86		3.26
09 66 33		Conductive Terrazzo Flooring (09 66)			
		Note: For anti-static areas.			
09 66 33 13		Conductive Epoxy-Resin Terrazzo (09 66 33)			
09 66 33 13-0001	SF	Terrazzo, Epoxy System, Floor Spark Proof, Conductive, Industrial.....	25.92		5.89
09 66 33 13-0002	SF	Terrazzo, Epoxy System, Base Spark Proof, Conductive, Industrial.....	46.21		5.89
09 66 33 16		Conductive Polyester-Resin Terrazzo Flooring (09 66 33)			
09 66 33 16-0001	SF	Terrazzo, Polyester System, Floor Spark Proof, Conductive, Industrial.....	19.96		5.89
09 66 33 16-0002	SF	Terrazzo, Polyester System, Base Spark Proof, Conductive, Industrial.....	33.14		5.89
09 66 33 19		Conductive Plastic-Matrix Terrazzo Flooring (09 66 33)			
09 66 33 19-0001	SF	Terrazzo, Polyacrylate System, Floor Spark Proof, Conductive, Industrial.....	22.42		5.89
09 66 33 19-0002	SF	Terrazzo, Polyacrylate System, Base Spark Proof, Conductive, Industrial.....	41.88		5.89
09 66 33 19-0003	SF	Terrazzo, Synthetic Latex Mastic System, Floor Spark Proof, Conductive, Industrial.....	31.73		5.89
09 66 33 19-0004	SF	Terrazzo, Synthetic Latex Mastic System, Base Spark Proof, Conductive, Industrial.....	36.44		5.89
09 67		Fluid-Applied Flooring (09 60)			
09 67 16		Epoxy-Marble Chip Flooring (09 67)			
09 67 16 00-0001		Epoxy Marble Chip Flooring (09 67 16)			
09 67 16 00-0002	SF	Epoxy Marble Floor With Colored Quartz Chips In 1/4" Base.....	18.75		3.26
		Note: Includes primer, 1/4" epoxy marble coat with quartz chips and top seal coat.			
		For Skid Resistant Abrasive Sand Finish, Add	0.09		
		For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	0.09		
09 67 16 00-0003	SF	Epoxy Marble Chip Floor, Topping 3/16" Thick, Heavy-Duty Epoxy.....	20.00		3.26
		Note: Includes primer, 3/16" marble chip coat and top seal coat.			
		For Skid Resistant Abrasive Sand Finish, Add	0.10		
		For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	0.10		
09 67 23		Resinous Flooring (09 67)			

09 67 23 00-0001			Epoxy Resin Flooring (09 67 23) Note: Includes primer, slurry coat(s) and top coat(s) (assorted colors). Excludes existing floor preparation of sand/bead blasting or two-pass floor grinding, degreasing and cleaning of existing floor system prior to application if applied directly to floor. Excludes floor patching, saw cutting joints, additional grinding of existing floor, leveling of floor, removal of existing floor or tiles, and applied markings or stripes. See CSI section 03 01 30 51-0001 for bead blasting, 03 35 43 00-0001 for additional floor polish grinding, 09 01 60 91-0011 for degreasing.						
09 67 23 00-0002	SF		3/16" Heavy-Duty (6,000 To 7,500 PSI) Epoxy Flooring Trowel Applied Mortar Compound	14.74				7.40	
			Note: Includes primer, one 3/16" slurry coat and top seal coats (color).						
			For Skid Resistant Abrasive Sand Finish, Add	0.06					
			For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	0.06					
			For Up To 500, Add	2.82					
			For >500 To 1,000, Add	1.78					
			For >1,000 To 2,000, Add	0.89					
			For >10,000, Deduct	-0.95					
09 67 23 00-0003	SF		3/16" Chemical Resistant (10,000 To 12,000 PSI) Epoxy Flooring Trowel Applied Mortar Compound	22.04				7.40	
			Note: Includes primer, one 3/16" slurry coat and top seal coats (color).						
			For Skid Resistant Abrasive Sand Finish, Add	0.13					
			For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	0.13					
			For Up To 500, Add	4.64					
			For >500 To 1,000, Add	2.87					
			For >1,000 To 2,000, Add	1.44					
			For >10,000, Deduct	-1.32					
09 67 23 00-0004	SF		1/4" Heavy-Duty (6,000 To 7,500 PSI) Epoxy Flooring Trowel Applied Mortar Compound	17.59				8.26	
			Note: Includes primer, two 1/8" slurry coats and top seal coats (color).						
			For Skid Resistant Abrasive Sand Finish, Add	0.07					
			For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	0.07					
			For Up To 500, Add	3.31					
			For >500 To 1,000, Add	2.09					
			For >1,000 To 2,000, Add	1.05					
			For >10,000, Deduct	-1.15					
09 67 23 00-0005	SF		1/4" Chemical Resistant (10,000 To 12,000 PSI) Epoxy Flooring Trowel Applied Mortar Compound	25.95				8.26	
			Note: Includes primer, two 1/8" slurry coats and top seal coats (color).						
			For Skid Resistant Abrasive Sand Finish, Add	0.15					
			For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	0.15					
			For Up To 500, Add	5.40					
			For >500 To 1,000, Add	3.35					
			For >1,000 To 2,000, Add	1.67					
			For >10,000, Deduct	-1.57					
09 67 23 00-0006	SF		3/8" Heavy-Duty (6,000 To 7,500 PSI) Epoxy Flooring Trowel Applied Mortar Compound	19.86				9.25	
			Note: Includes primer, two 3/16" slurry coats and top seal coats (color).						
			For Skid Resistant Abrasive Sand Finish, Add	0.08					
			For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	0.08					
			For Up To 500, Add	3.76					
			For >500 To 1,000, Add	2.38					
			For >1,000 To 2,000, Add	1.19					
			For >10,000, Deduct	-1.30					
09 67 23 00-0007	SF		3/8" Chemical Resistant (10,000 To 12,000 PSI) Epoxy Flooring Trowel Applied Mortar Compound	28.73				9.25	
			Note: Includes primer, two 3/16" slurry coats and top seal coats (color).						
			For Skid Resistant Abrasive Sand Finish, Add	0.17					
			For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	0.17					
			For Up To 500, Add	5.97					
			For >500 To 1,000, Add	3.71					
			For >1,000 To 2,000, Add	1.85					
			For >10,000, Deduct	-1.74					

09 68 Carpeting (09 60)

Note: No VOC carpet and adhesives. Includes tack strips, glue and floor fastenings as required and vacuuming.

09 68 13 Tile Carpeting (09 68)

09 68 13 00-0001			Tufted Carpet Tiles (09 68 13) Note: Level-loop pile or textured-loop pile carpet tiles. Includes glue (releasable mastic) or peel and stick backing.						
09 68 13 00-0002			Non-Patterned Carpet Tiles (09 68 13 00-0001)						
09 68 13 00-0003	SY		18 Ounce, Non-Patterned, Nylon Carpet Tile	38.33				4.76	
			For Up To 15, Add	2.33					
			For >15 To 33, Add	1.17					
			For >200 To 400, Deduct	-0.53					
			For >400 To 600, Deduct	-0.80					
			For >600 To 900, Deduct	-1.51					
			For >900 To 1,500, Deduct	-2.22					
			For >1,500 To 2,200, Deduct	-3.25					
			For >2,200 To 3,500, Deduct	-4.21					
			For >3,500, Deduct	-5.17					
			For Cushion Backed Tile, Add	6.00					
09 68 13 00-0004	SY		20 Ounce, Non-Patterned, Nylon Carpet Tile	39.95				4.76	
			For Up To 15, Add	2.33					
			For >15 To 33, Add	1.17					
			For >200 To 400, Deduct	-0.57					
			For >400 To 600, Deduct	-0.85					
			For >600 To 900, Deduct	-1.59					
			For >900 To 1,500, Deduct	-2.33					
			For >1,500 To 2,200, Deduct	-3.41					
			For >2,200 To 3,500, Deduct	-4.41					
			For >3,500, Deduct	-5.41					
			For Cushion Backed Tile, Add	6.00					

09 Finishes**09 60 Flooring****09 68 Carpeting**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
09 68 13 00-0005	SY 22 Ounce, Non-Patterned, Nylon Carpet Tile	45.08		4.76
	For Up To 15, Add	2.33		
	For >15 To 33, Add	1.17		
	For >200 To 400, Deduct	-0.67		
	For >400 To 600, Deduct	-1.00		
	For >600 To 900, Deduct	-1.85		
	For >900 To 1,500, Deduct	-2.69		
	For >1,500 To 2,200, Deduct	-3.93		
	For >2,200 To 3,500, Deduct	-5.05		
	For >3,500, Deduct	-6.18		
	For Cushion Backed Tile, Add	6.00		
09 68 13 00-0006	SY 24 Ounce, Non-Patterned, Nylon Carpet Tile	50.09		4.76
	For Up To 15, Add	2.33		
	For >15 To 33, Add	1.17		
	For >200 To 400, Deduct	-0.77		
	For >400 To 600, Deduct	-1.15		
	For >600 To 900, Deduct	-2.10		
	For >900 To 1,500, Deduct	-3.04		
	For >1,500 To 2,200, Deduct	-4.43		
	For >2,200 To 3,500, Deduct	-5.68		
	For >3,500, Deduct	-6.93		
	For Cushion Backed Tile, Add	6.00		
09 68 13 00-0007	SY 26 Ounce, Non-Patterned, Nylon Carpet Tile	53.01		4.76
	For Up To 15, Add	2.33		
	For >15 To 33, Add	1.17		
	For >200 To 400, Deduct	-0.83		
	For >400 To 600, Deduct	-1.24		
	For >600 To 900, Deduct	-2.24		
	For >900 To 1,500, Deduct	-3.24		
	For >1,500 To 2,200, Deduct	-4.72		
	For >2,200 To 3,500, Deduct	-6.04		
	For >3,500, Deduct	-7.37		
	For Cushion Backed Tile, Add	6.00		
09 68 13 00-0008	SY 28 Ounce, Non-Patterned, Nylon Carpet Tile	56.01		4.76
	For Up To 15, Add	2.33		
	For >15 To 33, Add	1.17		
	For >200 To 400, Deduct	-0.89		
	For >400 To 600, Deduct	-1.33		
	For >600 To 900, Deduct	-2.39		
	For >900 To 1,500, Deduct	-3.45		
	For >1,500 To 2,200, Deduct	-5.02		
	For >2,200 To 3,500, Deduct	-6.42		
	For >3,500, Deduct	-7.82		
	For Cushion Backed Tile, Add	6.00		
09 68 13 00-0009	SY 30 Ounce, Non-Patterned, Nylon Carpet Tile	56.90		4.76
	For Up To 15, Add	2.33		
	For >15 To 33, Add	1.17		
	For >200 To 400, Deduct	-0.90		
	For >400 To 600, Deduct	-1.36		
	For >600 To 900, Deduct	-2.44		
	For >900 To 1,500, Deduct	-3.52		
	For >1,500 To 2,200, Deduct	-5.11		
	For >2,200 To 3,500, Deduct	-6.53		
	For >3,500, Deduct	-7.95		
	For Cushion Backed Tile, Add	6.00		
09 68 13 00-0010	SY 32 Ounce, Non-Patterned, Nylon Carpet Tile	57.46		4.76
	For Up To 15, Add	2.33		
	For >15 To 33, Add	1.17		
	For >200 To 400, Deduct	-0.92		
	For >400 To 600, Deduct	-1.37		
	For >600 To 900, Deduct	-2.46		
	For >900 To 1,500, Deduct	-3.56		
	For >1,500 To 2,200, Deduct	-5.16		
	For >2,200 To 3,500, Deduct	-6.60		
	For >3,500, Deduct	-8.04		
	For Cushion Backed Tile, Add	6.00		
09 68 13 00-0011	SY 34 Ounce, Non-Patterned, Nylon Carpet Tile	57.92		4.76
	For Up To 15, Add	2.33		
	For >15 To 33, Add	1.17		
	For >200 To 400, Deduct	-0.93		
	For >400 To 600, Deduct	-1.39		
	For >600 To 900, Deduct	-2.49		
	For >900 To 1,500, Deduct	-3.59		
	For >1,500 To 2,200, Deduct	-5.21		
	For >2,200 To 3,500, Deduct	-6.66		
	For >3,500, Deduct	-8.11		
	For Cushion Backed Tile, Add	6.00		
09 68 13 00-0012	SY 36 Ounce, Non-Patterned, Nylon Carpet Tile	59.53		4.76
	For Up To 15, Add	2.33		
	For >15 To 33, Add	1.17		
	For >200 To 400, Deduct	-0.96		
	For >400 To 600, Deduct	-1.44		
	For >600 To 900, Deduct	-2.57		
	For >900 To 1,500, Deduct	-3.70		
	For >1,500 To 2,200, Deduct	-5.37		
	For >2,200 To 3,500, Deduct	-6.86		
	For >3,500, Deduct	-8.35		
	For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00		
	For Cushion Backed Tile, Add	6.00		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0013	SY		38 Ounce, Non-Patterned, Nylon Carpet Tile	62.69	4.76
			For Up To 15, Add	2.33	
			For >15 To 33, Add	1.17	
			For >200 To 400, Deduct	-1.02	
			For >400 To 600, Deduct	-1.53	
			For >600 To 900, Deduct	-2.73	
			For >900 To 1,500, Deduct	-3.92	
			For >1,500 To 2,200, Deduct	-5.69	
			For >2,200 To 3,500, Deduct	-7.25	
			For >3,500, Deduct	-8.82	
			For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00	
			For Cushion Backed Tile, Add	6.00	
09 68 13 00-0014	SY		40 Ounce, Non-Patterned, Nylon Carpet Tile	66.09	4.76
			For Up To 15, Add	2.33	
			For >15 To 33, Add	1.17	
			For >200 To 400, Deduct	-1.09	
			For >400 To 600, Deduct	-1.63	
			For >600 To 900, Deduct	-2.90	
			For >900 To 1,500, Deduct	-4.16	
			For >1,500 To 2,200, Deduct	-6.03	
			For >2,200 To 3,500, Deduct	-7.68	
			For >3,500, Deduct	-9.33	
			For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00	
			For Cushion Backed Tile, Add	6.00	
09 68 13 00-0015	SY		42 Ounce, Non-Patterned, Nylon Carpet Tile	72.62	4.76
			For Up To 15, Add	2.33	
			For >15 To 33, Add	1.17	
			For >200 To 400, Deduct	-1.22	
			For >400 To 600, Deduct	-1.83	
			For >600 To 900, Deduct	-3.22	
			For >900 To 1,500, Deduct	-4.62	
			For >1,500 To 2,200, Deduct	-6.68	
			For >2,200 To 3,500, Deduct	-8.49	
			For >3,500, Deduct	-10.31	
			For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00	
			For Cushion Backed Tile, Add	6.00	
09 68 13 00-0016	SY		Installation Of Owner Provided Non-Patterned Carpet Tiles.....	11.64	
09 68 13 00-0017 Patterned Carpet Tiles (09 68 13 00-0001)					
Note: Patterned carpet has a definitive repeating pattern as defined by the manufacturer.					
09 68 13 00-0018	SY		15 Ounce, Patterned, Nylon Carpet Tile	39.03	4.76
			For Up To 15, Add	2.57	
			For >15 To 33, Add	1.28	
			For >200 To 400, Deduct	-0.52	
			For >400 To 600, Deduct	-0.79	
			For >600 To 900, Deduct	-1.50	
			For >900 To 1,500, Deduct	-2.22	
			For >1,500 To 2,200, Deduct	-3.26	
			For >2,200 To 3,500, Deduct	-4.24	
			For >3,500, Deduct	-5.21	
			For Cushion Backed Tile, Add	6.00	
09 68 13 00-0019	SY		18 Ounce, Patterned, Nylon Carpet Tile	39.50	4.76
			For Up To 15, Add	2.57	
			For >15 To 33, Add	1.28	
			For >200 To 400, Deduct	-0.53	
			For >400 To 600, Deduct	-0.80	
			For >600 To 900, Deduct	-1.53	
			For >900 To 1,500, Deduct	-2.25	
			For >1,500 To 2,200, Deduct	-3.31	
			For >2,200 To 3,500, Deduct	-4.30	
			For >3,500, Deduct	-5.28	
			For Cushion Backed Tile, Add	6.00	
09 68 13 00-0020	SY		20 Ounce, Patterned, Nylon Carpet Tile	41.54	4.76
			For Up To 15, Add	2.57	
			For >15 To 33, Add	1.28	
			For >200 To 400, Deduct	-0.57	
			For >400 To 600, Deduct	-0.86	
			For >600 To 900, Deduct	-1.63	
			For >900 To 1,500, Deduct	-2.39	
			For >1,500 To 2,200, Deduct	-3.51	
			For >2,200 To 3,500, Deduct	-4.55	
			For >3,500, Deduct	-5.59	
			For Cushion Backed Tile, Add	6.00	
09 68 13 00-0021	SY		22 Ounce, Patterned, Nylon Carpet Tile	46.75	4.76
			For Up To 15, Add	2.57	
			For >15 To 33, Add	1.28	
			For >200 To 400, Deduct	-0.68	
			For >400 To 600, Deduct	-1.02	
			For >600 To 900, Deduct	-1.89	
			For >900 To 1,500, Deduct	-2.76	
			For >1,500 To 2,200, Deduct	-4.03	
			For >2,200 To 3,500, Deduct	-5.20	
			For >3,500, Deduct	-6.37	
			For Cushion Backed Tile, Add	6.00	

09 Finishes**09 60 Flooring****09 68 Carpeting**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

09 68 13 00-0022	SY	24 Ounce, Patterned, Nylon Carpet Tile	51.83	4.76
		For Up To 15, Add	2.57	
		For >15 To 33, Add	1.28	
		For >200 To 400, Deduct	-0.78	
		For >400 To 600, Deduct	-1.17	
		For >600 To 900, Deduct	-2.14	
		For >900 To 1,500, Deduct	-3.11	
		For >1,500 To 2,200, Deduct	-4.54	
		For >2,200 To 3,500, Deduct	-5.84	
		For >3,500, Deduct	-7.13	
		For Cushion Backed Tile, Add	6.00	
09 68 13 00-0023	SY	26 Ounce, Patterned, Nylon Carpet Tile	54.80	4.76
		For Up To 15, Add	2.57	
		For >15 To 33, Add	1.28	
		For >200 To 400, Deduct	-0.84	
		For >400 To 600, Deduct	-1.26	
		For >600 To 900, Deduct	-2.29	
		For >900 To 1,500, Deduct	-3.32	
		For >1,500 To 2,200, Deduct	-4.84	
		For >2,200 To 3,500, Deduct	-6.21	
		For >3,500, Deduct	-7.58	
		For Cushion Backed Tile, Add	6.00	
09 68 13 00-0024	SY	28 Ounce, Patterned, Nylon Carpet Tile	57.85	4.76
		For Up To 15, Add	2.57	
		For >15 To 33, Add	1.28	
		For >200 To 400, Deduct	-0.90	
		For >400 To 600, Deduct	-1.35	
		For >600 To 900, Deduct	-2.44	
		For >900 To 1,500, Deduct	-3.54	
		For >1,500 To 2,200, Deduct	-5.14	
		For >2,200 To 3,500, Deduct	-6.59	
		For >3,500, Deduct	-8.04	
		For Cushion Backed Tile, Add	6.00	
09 68 13 00-0025	SY	30 Ounce, Patterned, Nylon Carpet Tile	58.75	4.76
		For Up To 15, Add	2.57	
		For >15 To 33, Add	1.28	
		For >200 To 400, Deduct	-0.92	
		For >400 To 600, Deduct	-1.38	
		For >600 To 900, Deduct	-2.49	
		For >900 To 1,500, Deduct	-3.60	
		For >1,500 To 2,200, Deduct	-5.23	
		For >2,200 To 3,500, Deduct	-6.70	
		For >3,500, Deduct	-8.17	
		For Cushion Backed Tile, Add	6.00	
09 68 13 00-0026	SY	32 Ounce, Patterned, Nylon Carpet Tile	59.31	4.76
		For Up To 15, Add	2.57	
		For >15 To 33, Add	1.28	
		For >200 To 400, Deduct	-0.93	
		For >400 To 600, Deduct	-1.39	
		For >600 To 900, Deduct	-2.52	
		For >900 To 1,500, Deduct	-3.64	
		For >1,500 To 2,200, Deduct	-5.29	
		For >2,200 To 3,500, Deduct	-6.77	
		For >3,500, Deduct	-8.26	
		For Cushion Backed Tile, Add	6.00	
09 68 13 00-0027	SY	34 Ounce, Patterned, Nylon Carpet Tile	59.79	4.76
		For Up To 15, Add	2.57	
		For >15 To 33, Add	1.28	
		For >200 To 400, Deduct	-0.94	
		For >400 To 600, Deduct	-1.41	
		For >600 To 900, Deduct	-2.54	
		For >900 To 1,500, Deduct	-3.67	
		For >1,500 To 2,200, Deduct	-5.34	
		For >2,200 To 3,500, Deduct	-6.83	
		For >3,500, Deduct	-8.33	
		For Cushion Backed Tile, Add	6.00	
09 68 13 00-0028	SY	36 Ounce, Patterned, Nylon Carpet Tile	61.41	4.76
		For Up To 15, Add	2.57	
		For >15 To 33, Add	1.28	
		For >200 To 400, Deduct	-0.97	
		For >400 To 600, Deduct	-1.46	
		For >600 To 900, Deduct	-2.62	
		For >900 To 1,500, Deduct	-3.79	
		For >1,500 To 2,200, Deduct	-5.50	
		For >2,200 To 3,500, Deduct	-7.03	
		For >3,500, Deduct	-8.57	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00	
		For Cushion Backed Tile, Add	6.00	
09 68 13 00-0029	SY	38 Ounce, Patterned, Nylon Carpet Tile	64.63	4.76
		For Up To 15, Add	2.57	
		For >15 To 33, Add	1.28	
		For >200 To 400, Deduct	-1.04	
		For >400 To 600, Deduct	-1.55	
		For >600 To 900, Deduct	-2.78	
		For >900 To 1,500, Deduct	-4.01	
		For >1,500 To 2,200, Deduct	-5.82	
		For >2,200 To 3,500, Deduct	-7.44	
		For >3,500, Deduct	-9.05	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00	
		For Cushion Backed Tile, Add	6.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0030	SY		40 Ounce, Patterned, Nylon Carpet Tile	68.08	4.76
			For Up To 15, Add	2.57	
			For >15 To 33, Add	1.28	
			For >200 To 400, Deduct	-1.11	
			For >400 To 600, Deduct	-1.66	
			For >600 To 900, Deduct	-2.95	
			For >900 To 1,500, Deduct	-4.25	
			For >1,500 To 2,200, Deduct	-6.17	
			For >2,200 To 3,500, Deduct	-7.87	
			For >3,500, Deduct	-9.57	
			For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00	
			For Cushion Backed Tile, Add	6.00	
09 68 13 00-0031	SY		42 Ounce, Patterned, Nylon Carpet Tile	74.71	4.76
			For Up To 15, Add	2.57	
			For >15 To 33, Add	1.28	
			For >200 To 400, Deduct	-1.24	
			For >400 To 600, Deduct	-1.86	
			For >600 To 900, Deduct	-3.29	
			For >900 To 1,500, Deduct	-4.72	
			For >1,500 To 2,200, Deduct	-6.83	
			For >2,200 To 3,500, Deduct	-8.70	
			For >3,500, Deduct	-10.57	
			For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00	
			For Cushion Backed Tile, Add	6.00	
09 68 13 00-0032	SY		Installation Of Owner Provided Patterned Carpet Tiles	13.34	
09 68 13 00-0033			ESD Static Control Carpet Tiles (StaticSmart Mission Critical Discovery ECO Series) (09 68 13 00-0001)		
			Note: Includes conductive ESD releasable adhesive and grounding clips.		
09 68 13 00-0034	SY		24 Ounce, ESD Static Control, Non-Patterned, Nylon Carpet Tile (StaticSmart Mission Critical Discovery ECO Series)	90.18	4.76
			For Up To 15, Add	2.57	
			For >15 To 33, Add	1.28	
			For >200 To 400, Deduct	-1.55	
			For >400 To 600, Deduct	-2.32	
			For >600 To 900, Deduct	-4.06	
			For >900 To 1,500, Deduct	-5.80	
			For >1,500 To 2,200, Deduct	-8.38	
			For >2,200 To 3,500, Deduct	-10.63	
			For >3,500, Deduct	-12.89	
09 68 13 00-0035			Carpet Tiles (Interface) (09 68 13)		
			Note: Includes glue or peel and stick backing.		
09 68 13 00-0036	SY		24 Ounce, Nylon 6 Patterned Carpet Tile, (InterfaceFLOR Berlin)	33.14	4.76
09 68 13 00-0037	SY		23 Ounce, Nylon 6,6 Patterned Carpet Tile, (InterfaceFLOR Bresica)	42.87	4.76
09 68 13 00-0038	SY		17 Ounce, Nylon 6,6 Patterned Carpet Tile, (InterfaceFLOR Chenille Warp)	31.79	4.76
09 68 13 00-0039	SY		18 Ounce, Nylon 6 Patterned Carpet Tile, (InterfaceFLOR Cubic)	30.46	4.76
09 68 13 00-0040	SY		18 Ounce, Nylon 6 Patterned Carpet Tile, (InterfaceFLOR Cubic Colores)	30.46	4.76
09 68 13 00-0041	SY		22 Ounce, Nylon 6,6 Patterned Carpet Tile, (InterfaceFLOR Doodle)	39.00	4.76
09 68 13 00-0042	SY		17 Ounce, Nylon 6,6 Patterned Carpet Tile, (InterfaceFLOR Earth II)	31.12	4.76
09 68 13 00-0043	SY		28 Ounce, Nylon 6,6 Patterned Carpet Tile, (InterfaceFLOR Entry Level)	37.71	4.76
09 68 13 00-0044	SY		41 Ounce, 55% Nylon 27.5% Animal Hair 17.5% Polyester Hair Tile, (InterfaceFLOR Flor)	48.94	4.76
09 68 13 00-0045	SY		17 Ounce, Nylon 6,6 Patterned Carpet Tile, (InterfaceFLOR Furrows II)	31.41	4.76
09 68 13 00-0046	SY		18 Ounce, Nylon 6,6 Patterned Carpet Tile, (InterfaceFLOR Geometry)	33.26	4.76
09 68 13 00-0047	SY		17 Ounce, Nylon 6,6 Patterned Carpet Tile, (InterfaceFLOR Kenshi Ni II)	38.53	4.76
09 68 13 00-0048	SY		17 Ounce, Nylon 6,6 Patterned Carpet Tile, (InterfaceFLOR Nagashi II)	38.53	4.76
09 68 13 00-0049	SY		22 Ounce, Nylon 6,6 Patterned Carpet Tile, (InterfaceFLOR On Board)	41.77	4.76
09 68 13 00-0050	SY		18 Ounce, Nylon 6,6 Patterned Carpet Tile, (InterfaceFLOR Panorama II)	32.30	4.76
09 68 13 00-0051	SY		24 Ounce, Nylon 6,6 Patterned Carpet Tile, (InterfaceFLOR Plain Weave)	36.11	4.76
09 68 13 00-0052	SY		14 Ounce, Nylon 6,6 Patterned Carpet Tile, (InterfaceFLOR Platform)	36.27	4.76
09 68 13 00-0053	SY		23 Ounce, Nylon 6,6 Patterned Carpet Tile, (InterfaceFLOR Prairie Grass)	38.18	4.76
09 68 13 00-0054	SY		18 Ounce, Nylon 6 Patterned Carpet Tile, (InterfaceFLOR Profile)	31.43	4.76
09 68 13 00-0055	SY		23 Ounce, Nylon 6,6 Patterned Carpet Tile, (InterfaceFLOR Remade)	38.58	4.76
09 68 13 00-0056	SY		16 Ounce, Nylon 6,6 Patterned Carpet Tile, (InterfaceFLOR S102)	36.52	4.76
09 68 13 00-0057	SY		16 Ounce, Nylon 6,6 Patterned Carpet Tile, (InterfaceFLOR S105)	36.52	4.76
09 68 13 00-0058	SY		20 Ounce, Nylon 6,6 Patterned Carpet Tile, (InterfaceFLOR S201)	40.24	4.76
09 68 13 00-0059	SY		41 Ounce, 82.5% Nylon 17.5% Polyester Hair Tile, (InterfaceFLOR Super Flor)	48.94	4.76
09 68 13 00-0060	SY		26 Ounce, Nylon 6 Patterned Carpet Tile, (InterfaceFLOR Syncopation)	35.34	4.76
09 68 13 00-0061	SY		14 Ounce, Nylon 6,6 Patterned Carpet Tile, (InterfaceFLOR The Standard)	30.90	4.76
09 68 13 00-0062	SY		17 Ounce, Nylon 6,6 Patterned Carpet Tile, (InterfaceFLOR To Scale)	37.54	4.76
09 68 13 00-0063	SY		18 Ounce, Nylon 6,6 Patterned Carpet Tile, (InterfaceFLOR Urban Grid II)	32.30	4.76
09 68 13 00-0064	SY		18 Ounce, Nylon 6,6 solid texture Carpet Tile, (InterfaceFLOR Viva Colores)	38.89	4.76
09 68 13 00-0065	SY		17 Ounce, Nylon 6,6 Patterned Carpet Tile, (InterfaceFLOR Wind II)	31.12	4.76
09 68 13 00-0066	SY		20 Ounce, Non-Directional, Tufted Texture Loop, Nylon Carpet Tile (Interface Cubic 20z)	59.74	4.76
			Note: 100% recycled content type 6 nylon, 100% solution dyed		
09 68 13 00-0067	SY		18 Ounce, Non-Directional, Tufted Texture Loop, Nylon Carpet Tile (Interface Geometry II)	47.02	4.76
			Note: Post-consumer content type 6,6 nylon, 64% solution dyed, 36% yarn dyed		
09 68 13 00-0068	SY		24 Ounce, 1/4 Turn Or Ashlar, Tufted Texture Loop, Nylon Carpet Tile (Interface Mantra)	55.67	4.76
			Note: 100% recycled content type 6 nylon, 100% solution dyed		

09 68 16 Sheet Carpeting (09 68)

Note: Weights shown are face weight excluding backing weight and excludes padding. Demolition of carpet includes removal of glue if required. Residential carpet backing basis is for padding and commercial carpet backing is for glue down.

09 68 16 00-0001 Carpet Cushion (09 68 16)

09	09	Finishes
	09 60	Flooring
	09 68	Carpeting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 68 16 00-0002			Carpet Padding (09 68 16 00-0001)		
09 68 16 00-0003			Prime Polyurethane Foam Carpet Padding (09 68 16 00-0002)		
09 68 16 00-0004	SY		7/16" Thick, Prime Polyurethane Foam Carpet Padding.....	17.35	2.52
			For Up To 15, Add	0.76	
			For >15 To 33, Add	0.38	
			For >200 To 400, Deduct	-0.27	
			For >400 To 600, Deduct	-0.41	
			For >600 To 900, Deduct	-0.73	
			For >900 To 1,500, Deduct	-1.06	
			For >1,500 To 2,200, Deduct	-1.54	
			For >2,200 To 3,500, Deduct	-1.98	
			For >3,500, Deduct	-2.41	
09 68 16 00-0005	SY		1/2" Thick, Prime Polyurethane Foam Carpet Padding.....	18.15	2.52
			For Up To 15, Add	0.76	
			For >15 To 33, Add	0.38	
			For >200 To 400, Deduct	-0.29	
			For >400 To 600, Deduct	-0.43	
			For >600 To 900, Deduct	-0.77	
			For >900 To 1,500, Deduct	-1.12	
			For >1,500 To 2,200, Deduct	-1.62	
			For >2,200 To 3,500, Deduct	-2.08	
			For >3,500, Deduct	-2.53	
09 68 16 00-0006			Bonded (Rebond) Polyurethane Foam Carpet Padding (09 68 16 00-0002)		
09 68 16 00-0007	SY		1/4" Thick, 8 Lb./CF, Bonded (Rebond) Polyurethane Foam Carpet Padding.....	10.43	2.52
			For Up To 15, Add	0.76	
			For >15 To 33, Add	0.38	
			For >200 To 400, Deduct	-0.13	
			For >400 To 600, Deduct	-0.20	
			For >600 To 900, Deduct	-0.39	
			For >900 To 1,500, Deduct	-0.58	
			For >1,500 To 2,200, Deduct	-0.85	
			For >2,200 To 3,500, Deduct	-1.11	
			For >3,500, Deduct	-1.37	
09 68 16 00-0008	SY		5/16" Thick, 8 Lb./CF, Bonded (Rebond) Polyurethane Foam Carpet Padding.....	10.99	2.52
			For Up To 15, Add	0.76	
			For >15 To 33, Add	0.38	
			For >200 To 400, Deduct	-0.14	
			For >400 To 600, Deduct	-0.22	
			For >600 To 900, Deduct	-0.42	
			For >900 To 1,500, Deduct	-0.62	
			For >1,500 To 2,200, Deduct	-0.91	
			For >2,200 To 3,500, Deduct	-1.18	
			For >3,500, Deduct	-1.46	
09 68 16 00-0009	SY		3/8" Thick, 5.5 Lb./CF, Bonded (Rebond) Polyurethane Foam Carpet Padding.....	8.41	2.52
			For Up To 15, Add	0.76	
			For >15 To 33, Add	0.38	
			For >200 To 400, Deduct	-0.09	
			For >400 To 600, Deduct	-0.14	
			For >600 To 900, Deduct	-0.29	
			For >900 To 1,500, Deduct	-0.44	
			For >1,500 To 2,200, Deduct	-0.65	
			For >2,200 To 3,500, Deduct	-0.86	
			For >3,500, Deduct	-1.07	
09 68 16 00-0010	SY		3/8" Thick, 8 Lb./CF, Bonded (Rebond) Polyurethane Foam Carpet Padding.....	10.62	2.52
			For Up To 15, Add	0.76	
			For >15 To 33, Add	0.38	
			For >200 To 400, Deduct	-0.14	
			For >400 To 600, Deduct	-0.20	
			For >600 To 900, Deduct	-0.40	
			For >900 To 1,500, Deduct	-0.59	
			For >1,500 To 2,200, Deduct	-0.87	
			For >2,200 To 3,500, Deduct	-1.14	
			For >3,500, Deduct	-1.40	
09 68 16 00-0011	SY		7/16" Thick, 5.5 Lb./CF, Bonded (Rebond) Polyurethane Foam Carpet Padding.....	10.62	2.52
			For Up To 15, Add	0.76	
			For >15 To 33, Add	0.38	
			For >200 To 400, Deduct	-0.14	
			For >400 To 600, Deduct	-0.20	
			For >600 To 900, Deduct	-0.40	
			For >900 To 1,500, Deduct	-0.59	
			For >1,500 To 2,200, Deduct	-0.87	
			For >2,200 To 3,500, Deduct	-1.14	
			For >3,500, Deduct	-1.40	
09 68 16 00-0012	SY		7/16" Thick, 6 Lb./CF, Bonded (Rebond) Polyurethane Foam Carpet Padding.....	10.62	2.52
			For Up To 15, Add	0.76	
			For >15 To 33, Add	0.38	
			For >200 To 400, Deduct	-0.14	
			For >400 To 600, Deduct	-0.20	
			For >600 To 900, Deduct	-0.40	
			For >900 To 1,500, Deduct	-0.59	
			For >1,500 To 2,200, Deduct	-0.87	
			For >2,200 To 3,500, Deduct	-1.14	
			For >3,500, Deduct	-1.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0013	SY	7/16" Thick, 8 Lb./CF, Bonded (Rebond) Polyurethane Foam Carpet Padding	.....	11.92	2.52
		For Up To 15, Add	.....	0.76	
		For >15 To 33, Add	.....	0.38	
		For >200 To 400, Deduct	.....	-0.16	
		For >400 To 600, Deduct	.....	-0.24	
		For >600 To 900, Deduct	.....	-0.46	
		For >900 To 1,500, Deduct	.....	-0.68	
		For >1,500 To 2,200, Deduct	.....	-1.00	
		For >2,200 To 3,500, Deduct	.....	-1.30	
		For >3,500, Deduct	.....	-1.60	
09 68 16 00-0014	SY	1/2" Thick, 5.5 Lb./CF, Bonded (Rebond) Polyurethane Foam Carpet Padding	.....	10.50	2.52
		For Up To 15, Add	.....	0.76	
		For >15 To 33, Add	.....	0.38	
		For >200 To 400, Deduct	.....	-0.13	
		For >400 To 600, Deduct	.....	-0.20	
		For >600 To 900, Deduct	.....	-0.39	
		For >900 To 1,500, Deduct	.....	-0.58	
		For >1,500 To 2,200, Deduct	.....	-0.86	
		For >2,200 To 3,500, Deduct	.....	-1.12	
		For >3,500, Deduct	.....	-1.38	
09 68 16 00-0015	SY	1/2" Thick, 6 Lb./CF, Bonded (Rebond) Polyurethane Foam Carpet Padding	.....	10.92	2.52
		For Up To 15, Add	.....	0.76	
		For >15 To 33, Add	.....	0.38	
		For >200 To 400, Deduct	.....	-0.14	
		For >400 To 600, Deduct	.....	-0.21	
		For >600 To 900, Deduct	.....	-0.41	
		For >900 To 1,500, Deduct	.....	-0.61	
		For >1,500 To 2,200, Deduct	.....	-0.90	
		For >2,200 To 3,500, Deduct	.....	-1.17	
		For >3,500, Deduct	.....	-1.45	
09 68 16 00-0016	SY	1/2" Thick, 8 Lb./CF, Bonded (Rebond) Polyurethane Foam Carpet Padding	.....	12.48	2.52
		For Up To 15, Add	.....	0.76	
		For >15 To 33, Add	.....	0.38	
		For >200 To 400, Deduct	.....	-0.17	
		For >400 To 600, Deduct	.....	-0.26	
		For >600 To 900, Deduct	.....	-0.49	
		For >900 To 1,500, Deduct	.....	-0.72	
		For >1,500 To 2,200, Deduct	.....	-1.06	
		For >2,200 To 3,500, Deduct	.....	-1.37	
		For >3,500, Deduct	.....	-1.68	
09 68 16 00-0017		Froth Polyurethane Foam Carpet Padding (09 68 16 00-0002)			
09 68 16 00-0018	SY	0.175" Thick, 16 Lb./CF, Froth Polyurethane Foam Rubber Carpet Padding	.....	18.56	2.52
		For Up To 15, Add	.....	0.76	
		For >15 To 33, Add	.....	0.38	
		For >200 To 400, Deduct	.....	-0.29	
		For >400 To 600, Deduct	.....	-0.44	
		For >600 To 900, Deduct	.....	-0.79	
		For >900 To 1,500, Deduct	.....	-1.15	
		For >1,500 To 2,200, Deduct	.....	-1.67	
		For >2,200 To 3,500, Deduct	.....	-2.13	
		For >3,500, Deduct	.....	-2.59	
09 68 16 00-0019	SY	0.250" Thick, 12 Lb./CF, Froth Polyurethane Foam Rubber Carpet Padding	.....	20.85	2.52
		For Up To 15, Add	.....	0.76	
		For >15 To 33, Add	.....	0.38	
		For >200 To 400, Deduct	.....	-0.34	
		For >400 To 600, Deduct	.....	-0.51	
		For >600 To 900, Deduct	.....	-0.91	
		For >900 To 1,500, Deduct	.....	-1.31	
		For >1,500 To 2,200, Deduct	.....	-1.89	
		For >2,200 To 3,500, Deduct	.....	-2.42	
		For >3,500, Deduct	.....	-2.94	
09 68 16 00-0020	SY	0.250" Thick, 16 Lb./CF, Froth Polyurethane Foam Rubber Carpet Padding	.....	22.60	2.52
		For Up To 15, Add	.....	0.76	
		For >15 To 33, Add	.....	0.38	
		For >200 To 400, Deduct	.....	-0.38	
		For >400 To 600, Deduct	.....	-0.56	
		For >600 To 900, Deduct	.....	-1.00	
		For >900 To 1,500, Deduct	.....	-1.43	
		For >1,500 To 2,200, Deduct	.....	-2.07	
		For >2,200 To 3,500, Deduct	.....	-2.63	
		For >3,500, Deduct	.....	-3.20	
09 68 16 00-0021		Waffle Rubber Carpet Padding (09 68 16 00-0002)			
09 68 16 00-0022	SY	3/8" Thick, 90 OZ/SY Waffle Rubber Carpet Padding	.....	21.46	2.52
		For Up To 15, Add	.....	0.76	
		For >15 To 33, Add	.....	0.38	
		For >200 To 400, Deduct	.....	-0.35	
		For >400 To 600, Deduct	.....	-0.53	
		For >600 To 900, Deduct	.....	-0.94	
		For >900 To 1,500, Deduct	.....	-1.35	
		For >1,500 To 2,200, Deduct	.....	-1.96	
		For >2,200 To 3,500, Deduct	.....	-2.49	
		For >3,500, Deduct	.....	-3.03	
09 68 16 00-0023		Flat Sponge Rubber Carpet Padding (09 68 16 00-0002)			

09	09	Finishes
	09 60	Flooring
	09 68	Carpeting

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
09 68 16 00-0024	SY	0.156" Thick, 62 OZ/SY Flat Sponge Rubber Carpet Padding.....	12.60	2.52
		For Up To 15, Add	0.76	
		For >15 To 33, Add	0.38	
		For >200 To 400, Deduct	-0.18	
		For >400 To 600, Deduct	-0.26	
		For >600 To 900, Deduct	-0.50	
		For >900 To 1,500, Deduct	-0.73	
		For >1,500 To 2,200, Deduct	-1.07	
		For >2,200 To 3,500, Deduct	-1.38	
		For >3,500, Deduct	-1.70	
09 68 16 00-0025	SY	0.250" Thick, 68 OZ/SY Flat Sponge Rubber Carpet Padding.....	13.54	2.52
		For Up To 15, Add	0.76	
		For >15 To 33, Add	0.38	
		For >200 To 400, Deduct	-0.19	
		For >400 To 600, Deduct	-0.29	
		For >600 To 900, Deduct	-0.54	
		For >900 To 1,500, Deduct	-0.80	
		For >1,500 To 2,200, Deduct	-1.16	
		For >2,200 To 3,500, Deduct	-1.50	
		For >3,500, Deduct	-1.84	
09 68 16 00-0026	SY	0.250" Thick, 80 OZ/SY Flat Sponge Rubber Carpet Padding.....	14.23	2.52
		For Up To 15, Add	0.76	
		For >15 To 33, Add	0.38	
		For >200 To 400, Deduct	-0.21	
		For >400 To 600, Deduct	-0.31	
		For >600 To 900, Deduct	-0.58	
		For >900 To 1,500, Deduct	-0.84	
		For >1,500 To 2,200, Deduct	-1.23	
		For >2,200 To 3,500, Deduct	-1.59	
		For >3,500, Deduct	-1.94	
09 68 16 00-0027	SY	0.250" Thick, 100 OZ/SY Flat Sponge Rubber Carpet Padding.....	16.40	2.52
		For Up To 15, Add	0.76	
		For >15 To 33, Add	0.38	
		For >200 To 400, Deduct	-0.25	
		For >400 To 600, Deduct	-0.38	
		For >600 To 900, Deduct	-0.69	
		For >900 To 1,500, Deduct	-1.00	
		For >1,500 To 2,200, Deduct	-1.45	
		For >2,200 To 3,500, Deduct	-1.86	
		For >3,500, Deduct	-2.27	
09 68 16 00-0028	SY	0.370" Thick, 100 OZ/SY Flat Sponge Rubber Carpet Padding.....	16.58	2.52
		For Up To 15, Add	0.76	
		For >15 To 33, Add	0.38	
		For >200 To 400, Deduct	-0.26	
		For >400 To 600, Deduct	-0.38	
		For >600 To 900, Deduct	-0.70	
		For >900 To 1,500, Deduct	-1.01	
		For >1,500 To 2,200, Deduct	-1.47	
		For >2,200 To 3,500, Deduct	-1.88	
		For >3,500, Deduct	-2.30	
09 68 16 00-0029 Synthetic Fiber Carpet Padding (09 68 16 00-0002)				
09 68 16 00-0030	SY	0.235" Thick, 20 OZ/SY Synthetic Fiber Carpet Padding.....	5.64	2.52
		For Up To 15, Add	0.76	
		For >15 To 33, Add	0.38	
		For >200 To 400, Deduct	-0.04	
		For >400 To 600, Deduct	-0.05	
		For >600 To 900, Deduct	-0.15	
		For >900 To 1,500, Deduct	-0.24	
		For >1,500 To 2,200, Deduct	-0.37	
		For >2,200 To 3,500, Deduct	-0.51	
		For >3,500, Deduct	-0.66	
09 68 16 00-0031	SY	0.235" Thick, 24 OZ/SY Synthetic Fiber Carpet Padding.....	7.07	2.52
		For Up To 15, Add	0.76	
		For >15 To 33, Add	0.38	
		For >200 To 400, Deduct	-0.07	
		For >400 To 600, Deduct	-0.10	
		For >600 To 900, Deduct	-0.22	
		For >900 To 1,500, Deduct	-0.34	
		For >1,500 To 2,200, Deduct	-0.52	
		For >2,200 To 3,500, Deduct	-0.69	
		For >3,500, Deduct	-0.87	
09 68 16 00-0032	SY	0.275" Thick, 28 OZ/SY Synthetic Fiber Carpet Padding.....	6.41	2.52
		For Up To 15, Add	0.76	
		For >15 To 33, Add	0.38	
		For >200 To 400, Deduct	-0.05	
		For >400 To 600, Deduct	-0.08	
		For >600 To 900, Deduct	-0.19	
		For >900 To 1,500, Deduct	-0.30	
		For >1,500 To 2,200, Deduct	-0.45	
		For >2,200 To 3,500, Deduct	-0.61	
		For >3,500, Deduct	-0.77	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0033	SY		0.300" Thick, 32 OZ/SY Synthetic Fiber Carpet Padding.....	6.66	2.52
			For Up To 15, Add	0.76	
			For >15 To 33, Add	0.38	
			For >200 To 400, Deduct	-0.06	
			For >400 To 600, Deduct	-0.09	
			For >600 To 900, Deduct	-0.20	
			For >900 To 1,500, Deduct	-0.31	
			For >1,500 To 2,200, Deduct	-0.48	
			For >2,200 To 3,500, Deduct	-0.64	
			For >3,500, Deduct	-0.81	
09 68 16 00-0034	SY		0.350" Thick, 40 OZ/SY Synthetic Fiber Carpet Padding.....	8.13	2.52
			For Up To 15, Add	0.76	
			For >15 To 33, Add	0.38	
			For >200 To 400, Deduct	-0.09	
			For >400 To 600, Deduct	-0.13	
			For >600 To 900, Deduct	-0.27	
			For >900 To 1,500, Deduct	-0.42	
			For >1,500 To 2,200, Deduct	-0.62	
			For >2,200 To 3,500, Deduct	-0.83	
			For >3,500, Deduct	-1.03	
09 68 16 00-0035			Double Stick Synthetic Fiber Carpet Padding (09 68 16 00-0002)		
09 68 16 00-0036	SY		0.300" Thick, 32 OZ/SY Double Stick Synthetic Fiber Carpet Padding	8.58	2.52
			For Up To 15, Add	0.76	
			For >15 To 33, Add	0.38	
			For >200 To 400, Deduct	-0.10	
			For >400 To 600, Deduct	-0.14	
			For >600 To 900, Deduct	-0.30	
			For >900 To 1,500, Deduct	-0.45	
			For >1,500 To 2,200, Deduct	-0.67	
			For >2,200 To 3,500, Deduct	-0.88	
			For >3,500, Deduct	-1.10	
09 68 16 00-0037	SY		0.375" Thick, 40 OZ/SY Double Stick Synthetic Fiber Carpet Padding	9.72	2.52
			For Up To 15, Add	0.76	
			For >15 To 33, Add	0.38	
			For >200 To 400, Deduct	-0.12	
			For >400 To 600, Deduct	-0.18	
			For >600 To 900, Deduct	-0.35	
			For >900 To 1,500, Deduct	-0.53	
			For >1,500 To 2,200, Deduct	-0.78	
			For >2,200 To 3,500, Deduct	-1.02	
			For >3,500, Deduct	-1.27	
09 68 16 00-0038			Residential Broadloom Carpet (09 68 16)		
			Note: Includes tacks. See CSI section 09 68 16 00-0001 for padding.		
09 68 16 00-0039	SY		25 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet.....	37.27	6.71
			For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	2.98	
			For Up To 15, Add	3.44	
			For >15 To 33, Add	1.72	
			For >200 To 400, Deduct	-0.40	
			For >400 To 600, Deduct	-0.60	
			For >600 To 900, Deduct	-1.26	
			For >900, Deduct	-1.92	
			For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0040	SY		30 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet.....	41.99	6.71
			For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	2.98	
			For Up To 15, Add	3.44	
			For >15 To 33, Add	1.72	
			For >200 To 400, Deduct	-0.50	
			For >400 To 600, Deduct	-0.74	
			For >600 To 900, Deduct	-1.50	
			For >900, Deduct	-2.25	
			For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0041	SY		32 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet.....	48.48	6.71
			For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	2.98	
			For Up To 15, Add	3.44	
			For >15 To 33, Add	1.72	
			For >200 To 400, Deduct	-0.63	
			For >400 To 600, Deduct	-0.94	
			For >600 To 900, Deduct	-1.82	
			For >900, Deduct	-2.70	
			For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0042	SY		34 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet.....	55.26	6.71
			For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	2.98	
			For Up To 15, Add	3.44	
			For >15 To 33, Add	1.72	
			For >200 To 400, Deduct	-0.76	
			For >400 To 600, Deduct	-1.14	
			For >600 To 900, Deduct	-2.16	
			For >900, Deduct	-3.18	
			For Installation On Stairs, Each Riser, Add	6.00	

09	09	Finishes
	09 60	Flooring
	09 68	Carpeting



MINOR		DESCRIPTION	TOTAL DIRECT		DEMOLITION
CSI	UOM		UNIT COST	UNIT COST	
09 68 16 00-0043	SY	40 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet.....	56.44		6.71
		For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	2.98		
		For Up To 15, Add	3.44		
		For >15 To 33, Add	1.72		
		For >200 To 400, Deduct	-0.78		
		For >400 To 600, Deduct	-1.18		
		For >600 To 900, Deduct	-2.22		
		For >900, Deduct	-3.26		
		For Installation On Stairs, Each Riser, Add	6.00		
09 68 16 00-0044	SY	45 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet.....	58.22		7.38
		For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	3.16		
		For Up To 15, Add	3.67		
		For >15 To 33, Add	1.84		
		For >200 To 400, Deduct	-0.80		
		For >400 To 600, Deduct	-1.20		
		For >600 To 900, Deduct	-2.27		
		For >900, Deduct	-3.34		
		For Installation On Stairs, Each Riser, Add	6.00		
09 68 16 00-0045	SY	48 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet.....	60.24		7.38
		For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	3.16		
		For Up To 15, Add	3.67		
		For >15 To 33, Add	1.84		
		For >200 To 400, Deduct	-0.84		
		For >400 To 600, Deduct	-1.26		
		For >600 To 900, Deduct	-2.37		
		For >900, Deduct	-3.48		
		For Installation On Stairs, Each Riser, Add	6.00		
09 68 16 00-0046	SY	50 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet.....	65.25		7.38
		For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	3.16		
		For Up To 15, Add	3.67		
		For >15 To 33, Add	1.84		
		For >200 To 400, Deduct	-0.94		
		For >400 To 600, Deduct	-1.41		
		For >600 To 900, Deduct	-2.62		
		For >900, Deduct	-3.83		
		For Installation On Stairs, Each Riser, Add	6.00		
09 68 16 00-0047	SY	60 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet.....	65.84		7.38
		For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	3.16		
		For Up To 15, Add	3.67		
		For >15 To 33, Add	1.84		
		For >200 To 400, Deduct	-0.95		
		For >400 To 600, Deduct	-1.42		
		For >600 To 900, Deduct	-2.65		
		For >900, Deduct	-3.87		
		For Installation On Stairs, Each Riser, Add	6.00		
09 68 16 00-0048	SY	65 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet.....	68.20		7.38
		For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	3.16		
		For Up To 15, Add	3.67		
		For >15 To 33, Add	1.84		
		For >200 To 400, Deduct	-1.00		
		For >400 To 600, Deduct	-1.49		
		For >600 To 900, Deduct	-2.77		
		For >900, Deduct	-4.04		
		For Installation On Stairs, Each Riser, Add	6.00		
09 68 16 00-0049		Commercial Broadloom Carpet (09 68 16)			
		Note: Level-loop pile or textured-loop pile broadloom carpet.			
09 68 16 00-0050		Non-Patterned Broadloom Carpet (09 68 16 00-0049)			
09 68 16 00-0051	SY	22 Ounce, Medium Traffic, Non-Patterned, Nylon Broadloom Carpet	46.87		19.53
		For Up To 15, Add	2.60		
		For >15 To 33, Add	1.30		
		For >200 To 400, Deduct	-0.68		
		For >400 To 600, Deduct	-1.02		
		For >600 To 900, Deduct	-1.89		
		For >900, Deduct	-2.76		
		For Moisture Barrier Backing, Add	3.50		
		For Installation On Stairs, Each Riser, Add	6.00		
09 68 16 00-0052	SY	24 Ounce, Medium Traffic, Non-Patterned, Nylon Broadloom Carpet	46.87		19.53
		For Up To 15, Add	2.60		
		For >15 To 33, Add	1.30		
		For >200 To 400, Deduct	-0.68		
		For >400 To 600, Deduct	-1.02		
		For >600 To 900, Deduct	-1.89		
		For >900, Deduct	-2.76		
		For Moisture Barrier Backing, Add	3.50		
		For Installation On Stairs, Each Riser, Add	6.00		
09 68 16 00-0053	SY	26 Ounce, Medium Traffic, Non-Patterned, Nylon Broadloom Carpet	46.87		19.53
		For Up To 15, Add	2.60		
		For >15 To 33, Add	1.30		
		For >200 To 400, Deduct	-0.68		
		For >400 To 600, Deduct	-1.02		
		For >600 To 900, Deduct	-1.89		
		For >900, Deduct	-2.76		
		For Moisture Barrier Backing, Add	3.50		
		For Installation On Stairs, Each Riser, Add	6.00		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0054	SY		28 Ounce, Medium Traffic, Non-Patterned, Nylon Broadloom Carpet	50.81	21.16
			For Up To 15, Add	2.82	
			For >15 To 33, Add	1.41	
			For >200 To 400, Deduct	-0.73	
			For >400 To 600, Deduct	-1.10	
			For >600 To 900, Deduct	-2.05	
			For >900, Deduct	-2.99	
			For Moisture Barrier Backing, Add	3.50	
			For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0055	SY		30 Ounce, Medium Traffic, Non-Patterned, Nylon Broadloom Carpet	51.84	21.16
			For Up To 15, Add	2.82	
			For >15 To 33, Add	1.41	
			For >200 To 400, Deduct	-0.75	
			For >400 To 600, Deduct	-1.13	
			For >600 To 900, Deduct	-2.10	
			For >900, Deduct	-3.06	
			For Cut Pile Carpet, Add	1.50	
			For Moisture Barrier Backing, Add	3.50	
			For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0056	SY		32 Ounce, Medium Traffic, Non-Patterned, Nylon Broadloom Carpet	52.03	21.16
			For Up To 15, Add	2.82	
			For >15 To 33, Add	1.41	
			For >200 To 400, Deduct	-0.76	
			For >400 To 600, Deduct	-1.14	
			For >600 To 900, Deduct	-2.11	
			For >900, Deduct	-3.08	
			For Cut Pile Carpet, Add	1.50	
			For Moisture Barrier Backing, Add	3.50	
			For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0057	SY		34 Ounce, Medium Traffic, Non-Patterned, Nylon Broadloom Carpet	57.24	22.78
			For Up To 15, Add	3.04	
			For >15 To 33, Add	1.52	
			For >200 To 400, Deduct	-0.84	
			For >400 To 600, Deduct	-1.26	
			For >600 To 900, Deduct	-2.33	
			For >900, Deduct	-3.40	
			For Cut Pile Carpet, Add	1.50	
			For Moisture Barrier Backing, Add	3.50	
			For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0058	SY		36 Ounce, Heavy Traffic, Non-Patterned, Nylon Broadloom Carpet	57.99	22.78
			For Up To 15, Add	3.04	
			For >15 To 33, Add	1.52	
			For >200 To 400, Deduct	-0.86	
			For >400 To 600, Deduct	-1.28	
			For >600 To 900, Deduct	-2.37	
			For >900, Deduct	-3.45	
			For Cut Pile Carpet, Add	1.50	
			For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00	
			For Moisture Barrier Backing, Add	3.50	
			For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0059	SY		38 Ounce, Heavy Traffic, Non-Patterned, Nylon Broadloom Carpet	58.90	22.78
			For Up To 15, Add	3.04	
			For >15 To 33, Add	1.52	
			For >200 To 400, Deduct	-0.87	
			For >400 To 600, Deduct	-1.31	
			For >600 To 900, Deduct	-2.41	
			For >900, Deduct	-3.52	
			For Cut Pile Carpet, Add	1.50	
			For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00	
			For Moisture Barrier Backing, Add	3.50	
			For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0060			Patterned Broadloom Carpet (09 68 16 00-0049)		
			Note: Patterned carpet has a definitive repeating pattern as defined by the manufacturer.		
09 68 16 00-0061	SY		22 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet	48.69	19.53
			For Up To 15, Add	2.87	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.69	
			For >400 To 600, Deduct	-1.03	
			For >600 To 900, Deduct	-1.93	
			For >900, Deduct	-2.84	
			For Moisture Barrier Backing, Add	3.50	
			For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0062	SY		24 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet	48.69	19.53
			For Up To 15, Add	2.87	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.69	
			For >400 To 600, Deduct	-1.03	
			For >600 To 900, Deduct	-1.93	
			For >900, Deduct	-2.84	
			For Moisture Barrier Backing, Add	3.50	
			For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0063	SY		26 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet	48.69	19.53
			For Up To 15, Add	2.87	
			For >15 To 33, Add	1.43	
			For >200 To 400, Deduct	-0.69	
			For >400 To 600, Deduct	-1.03	
			For >600 To 900, Deduct	-1.93	
			For >900, Deduct	-2.84	
			For Moisture Barrier Backing, Add	3.50	
			For Installation On Stairs, Each Riser, Add	6.00	

09 Finishes**09 60 Flooring****09 68 Carpeting**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
09 68 16 00-0064	SY 28 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet.....	52.78		21.16
	For Up To 15, Add	3.10		
	For >15 To 33, Add	1.55		
	For >200 To 400, Deduct	-0.75		
	For >400 To 600, Deduct	-1.12		
	For >600 To 900, Deduct	-2.10		
	For >900, Deduct	-3.07		
	For Moisture Barrier Backing, Add	3.50		
	For Installation On Stairs, Each Riser, Add	6.00		
09 68 16 00-0065	SY 30 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet.....	53.83		21.16
	For Up To 15, Add	3.10		
	For >15 To 33, Add	1.55		
	For >200 To 400, Deduct	-0.77		
	For >400 To 600, Deduct	-1.15		
	For >600 To 900, Deduct	-2.15		
	For >900, Deduct	-3.15		
	For Cut Pile Carpet, Add	1.50		
	For Moisture Barrier Backing, Add	3.50		
	For Installation On Stairs, Each Riser, Add	6.00		
09 68 16 00-0066	SY 32 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet.....	54.02		21.16
	For Up To 15, Add	3.10		
	For >15 To 33, Add	1.55		
	For >200 To 400, Deduct	-0.77		
	For >400 To 600, Deduct	-1.16		
	For >600 To 900, Deduct	-2.16		
	For >900, Deduct	-3.16		
	For Cut Pile Carpet, Add	1.50		
	For Moisture Barrier Backing, Add	3.50		
	For Installation On Stairs, Each Riser, Add	6.00		
09 68 16 00-0067	SY 34 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet.....	59.39		22.78
	For Up To 15, Add	3.34		
	For >15 To 33, Add	1.67		
	For >200 To 400, Deduct	-0.85		
	For >400 To 600, Deduct	-1.28		
	For >600 To 900, Deduct	-2.38		
	For >900, Deduct	-3.49		
	For Cut Pile Carpet, Add	1.50		
	For Moisture Barrier Backing, Add	3.50		
	For Installation On Stairs, Each Riser, Add	6.00		
09 68 16 00-0068	SY 36 Ounce, Heavy Traffic, Patterned, Nylon Broadloom Carpet.....	60.15		22.78
	For Up To 15, Add	3.34		
	For >15 To 33, Add	1.67		
	For >200 To 400, Deduct	-0.87		
	For >400 To 600, Deduct	-1.30		
	For >600 To 900, Deduct	-2.42		
	For >900, Deduct	-3.54		
	For Cut Pile Carpet, Add	1.50		
	For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00		
	For Moisture Barrier Backing, Add	3.50		
	For Installation On Stairs, Each Riser, Add	6.00		
09 68 16 00-0069	SY 38 Ounce, Heavy Traffic, Patterned, Nylon Broadloom Carpet.....	61.08		22.78
	For Up To 15, Add	3.34		
	For >15 To 33, Add	1.67		
	For >200 To 400, Deduct	-0.89		
	For >400 To 600, Deduct	-1.33		
	For >600 To 900, Deduct	-2.47		
	For >900, Deduct	-3.61		
	For Cut Pile Carpet, Add	1.50		
	For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00		
	For Moisture Barrier Backing, Add	3.50		
	For Installation On Stairs, Each Riser, Add	6.00		
09 68 16 00-0070	Indoor/Outdoor Carpet (09 68 16) Note: Includes waterproof glue.			
09 68 16 00-0071	SY Nylon Indoor/Outdoor Carpet.....	54.33		5.03
09 68 16 00-0072	SY Ozite Indoor/Outdoor Carpet.....	40.99		5.03
09 68 16 00-0073	Carpet Accessories (09 68 16)			
09 68 16 00-0074	LF Metal Carpet Saddle Strip, Up To 4" Wide.....	7.86		0.89
09 68 16 00-0075	Removal And Reinstallation Of Carpet And Pad (09 68 16) Note: Includes storage, cleaning and supply materials.			
09 68 16 00-0076	SY Removal And Reinstallation Of Carpet And Pad.....	27.52		
09 68 16 00-0077	Carpeting Support Functions (09 68 16)			
09 68 16 00-0078	Relocate Partitions, Modular Workstations (09 68 16 00-0077) Note: Includes disassembly and reassembly of workstation. Excludes electrical disconnection or reconnection.			
09 68 16 00-0079	EA Relocate Modular Workstation.....	314.06		
09 68 16 00-0080	Installation Of Owner Provided Broadloom Carpet (09 68 16)			
09 68 16 00-0081	SY Up To 24 Oz, Installation Of Owner Provided Broadloom Carpet.....	11.75		
	Note: Includes adhesive for glue-down or tack strip for padded installations.			
	For Up To 15, Add	2.27		
	For >15 To 33, Add	1.13		

			Finishes	09	2
			Flooring	09 60	
			Carpeting	09 68	
MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
			UNIT COST	UNIT COST	

09 68 16 00-0082	SY	>24 To 34 Oz, Installation Of Owner Provided Broadloom Carpet Note: Includes adhesive for glue-down or tack strip for padded installations.	13.64		
		For Up To 15, Add	2.64		
		For >15 To 33, Add	1.32		
09 68 16 00-0083	SY	>34 Oz, Installation Of Owner Provided Broadloom Carpet..... Note: Includes adhesive for glue-down or tack strip for padded installations.	16.28		
		For Up To 15, Add	3.17		
		For >15 To 33, Add	1.59		

09 69 Access Flooring (09 60)

09 69 13 Rigid-Grid Access Flooring (09 69)

09 69 13 00-0001 Panels, No Covering (09 69 13)

09 69 13 00-0002	SF	2' x 2' Panels - No Covering Access And Pedestal Floors..... For Carpet Covering, Add For Vinyl Floor Covering, Add	21.62 2.77 1.91	0.89	
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09 69 13 00-0003 Pedestals (09 69 13)

09 69 13 00-0004	EA	2-1/2" To 4" Finished Floor Height, Pedestal Assembly	33.68	4.49	
09 69 13 00-0005	EA	6" To 12" Finished Floor Height, Pedestal Assembly.....	43.00	4.49	
09 69 13 00-0006	EA	30" To 36" Finished Floor Height, Pedestal Assembly.....	51.90	4.49	

09 69 13 00-0007 Stringers (09 69 13)

09 69 13 00-0008	EA	2' Bolted Stringers, Access And Pedestal Floors.....	20.25	5.39	
09 69 13 00-0009	EA	6' Bolted Stringers, Access And Pedestal Floors.....	56.81	13.46	

09 69 13 00-0010 Understructure (09 69 13)

09 69 13 00-0011	SF	Standard Bolted Stringer Understructure 30" Or 36" Finished Floor Height	9.64	1.34	
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09 69 53 Access Flooring Accessories (09 69)

09 69 53 00-0001 Accessories (09 69 53)

09 69 53 00-0002	EA	54" x 35" Ramp Assembly	477.19		
09 69 53 00-0003	LF	36" Handrail	46.06		
09 69 53 00-0004	LF	60" Handrail	76.41	6.28	
09 69 53 00-0005	LF	Accessories, Fascia Plate Access And Pedestal Floors	28.04	6.28	
09 69 53 00-0006	EA	Machine Cutouts	232.35		
09 69 53 00-0007	SF	Hammered Aluminum Finish Fascia	53.82	2.96	
		Note: Includes trim angles and hardware (8", 12", 18", 24").			
09 69 53 00-0008	EA	Cut Hole In Raised Floor And Trim With Black 1/2" Trim Material	49.48		
09 69 53 00-0009	EA	Cut Round Hole In Raised Floor And Trim Carpet Install 4" Plastic Insert (Gromtec#GT003).....	49.48		
09 69 53 00-0010	EA	Flush Mounted Electrical Box (Including Cutting Hole Trim Carpet) P/N Telo-7018-4	243.04	11.22	
09 69 53 00-0011	EA	Flush Mounted Telephone Box (Grey/Black/Communications)	166.24	11.22	
		Note: Includes cut hole.			
09 69 53 00-0012	EA	Flush Mounted Electrical Box (In Existing Hole) P/N Telo 7018-4	243.04	11.22	
09 69 53 00-0013	EA	Flush Mounted Telephone Box (Grey/Black/Communications) (In Existing Hole) P/N Telo-7018-2	130.35	1.80	

09 69 53 00-0014 Final Cleaning For Computer Room Raised Floor System (09 69 53)

		Note: Includes wipe dirt/dust from stringers and raised floor beneath raised floor. For new or existing systems.			
09 69 53 00-0015	SF	Vacuum Raised Floor Carpet Panel, Wipe Dirt/Dust From Stringers And Floor Beneath Raised Floor.....	3.28		
09 69 53 00-0016	SF	Vacuum/Shampoo Raised Floor Carpet Panel, Wipe Dirt/Dust From Stringers And Floor Beneath.....	3.44		
09 69 53 00-0017	SF	Vacuum/Wet Mop Clean Raised Floor HPL Panel Wipe Dirt/Dust Stringers And Raised Floor.....	3.39		

09 70 Wall Finishes (09)

09 72 Wall Coverings (09 70)

09 72 13 Cork Wall Coverings (09 72)

09 72 13 00-0001 Cork Wall Covering (09 72 13)

09 72 13 00-0002	SF	1/8" Cork Wall Covering.....	5.20	0.88	
09 72 13 00-0003	SF	1/4" Cork Wall Covering.....	6.44	0.88	
09 72 13 00-0004	SF	1/2" Cork Wall Covering.....	7.44	0.88	
09 72 13 00-0005	SF	3/4" Cork Wall Covering.....	10.35	0.88	

09 72 16 Vinyl-Coated Fabric Wall Coverings (09 72)

09 72 16 13 Flexible Vinyl Wall Coverings (09 72 16)

09 72 16 13-0001 Vinyl Wall Coverings (09 72 16 13)

		Note: Includes wall preparation adhesive, and sizing compound. Demolition includes the removal of wall covering and adhesive.			
09 72 16 13-0002	SF	7-10 Oz/SY Vinyl Wall Covering	3.43	0.88	
		For Owner Furnished Material, Deduct	-2.05		
09 72 16 13-0003	SF	11-14 Oz/SY Vinyl Wall Covering	4.45	0.88	
		For Owner Furnished Material, Deduct	-2.98		

09 Finishes**09 70 Wall Finishes****09 72 Wall Coverings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 72 16 13-0004	SF	15-19 Oz/SY Vinyl Wall Covering	5.21	0.88
		<i>For Owner Furnished Material, Deduct</i>	-3.74	
09 72 16 13-0005	SF	20 To 25 Oz/SY Vinyl Wall Covering	6.16	0.88
		<i>For Owner Furnished Material, Deduct</i>	-4.31	
09 72 16 13-0006	SF	26-32 Oz/SY Vinyl Wall Covering	7.17	0.88
		<i>For Owner Furnished Material, Deduct</i>	-5.24	
09 72 16 13-0007	SF	33-38 Oz/SY Vinyl Wall Covering	8.65	0.88
		<i>For Owner Furnished Material, Deduct</i>	-6.63	

09 72 23 Wallpapering (09 72)**09 72 23 00-0001 Wallpaper Coverings** (09 72 23)

Note: Includes wall preparation adhesive, and sizing compound. Demolition includes the removal of wall covering and adhesive.

09 72 23 00-0002	SF	Average Quality Wallpaper (Standard Grade)	2.08	1.17
09 72 23 00-0003	SF	High Quality Wallpaper (Designer Grade)	4.20	1.50
09 72 23 00-0004	SF	Textured Paintable Paper Installed On Ceiling	3.38	2.22

09 73 Wall Carpeting (09 70)**09 73 00 00-0001 Carpet Wall Covering** (09 73)

09 73 00 00-0002	SY	28 Ounce, Nylon Carpet Wall Covering	44.59	21.69
09 73 00 00-0003	SY	32 Ounce, Nylon Carpet Wall Covering	45.85	21.69
09 73 00 00-0004	SY	34 Ounce, Nylon Carpet Wall Covering	49.49	23.36
09 73 00 00-0005	SY	35 Ounce, Nylon Carpet Wall Covering	52.34	23.36
09 73 00 00-0006	SY	36 Ounce, Nylon Carpet Wall Covering	55.29	23.36
09 73 00 00-0007	SY	38 Ounce, Nylon Carpet Wall Covering	56.81	23.36
09 73 00 00-0008	SY	40 Ounce, Nylon Carpet Wall Covering	59.28	25.23
09 73 00 00-0009	SY	42 Ounce, Nylon Carpet Wall Covering	62.00	25.23

09 74 Flexible Wood Sheets (09 70)**09 74 16 Flexible Wood Veneers** (09 74)**09 74 16 00-0001 Flexible Wood Veneer** (09 74 16)

09 74 16 00-0002	SF	1/32" Thick, Flexible Maple Wood Veneer	9.89	3.55
09 74 16 00-0003	SF	1/32" Thick, Flexible Oak Wood Veneer	10.07	3.55
09 74 16 00-0004	SF	1/32" Thick, Flexible Mahogany Wood Veneer	10.07	3.55
09 74 16 00-0005	SF	1/32" Thick, Flexible Birch Wood Veneer	10.24	3.55
09 74 16 00-0006	SF	1/32" Thick, Flexible Walnut Wood Veneer	11.12	3.55
09 74 16 00-0007	SF	1/32" Thick, Flexible Bamboo Wood Veneer	12.18	3.55
09 74 16 00-0008	SF	1/32" Thick, Flexible Fir Wood Veneer	13.41	3.55

09 74 16 00-0009 Flexible Exotic Wood Veneer (09 74 16)

09 74 16 00-0010	SF	1/32" Thick, Flexible Exotic Wood Veneer	16.45	3.55
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09 77 Special Wall Surfacing (09 70)**09 77 11 Special Wall Panels** (09 77)**09 77 11 00-0001 Sanitary Wall Panels** (09 77 11)

09 77 11 00-0002	SF	0.09" Thick Fire-X Glassboard With Surfseal	7.38	1.61
		Note: Attached with adhesive.		
		<i>For Mechanical Fastening, Add</i>	1.03	
09 77 11 00-0003	SF	0.12" Thick Fire-X Glassboard With Surfseal	8.60	1.92
		Note: Attached with adhesive.		
		<i>For Mechanical Fastening, Add</i>	1.23	

09 78 Interior Wall Paneling (09 70)**09 78 13 Metal Interior Wall Paneling** (09 78)**09 78 13 00-0001 Stainless Steel Wall Base** (09 78 13)

Note: Grade CS304 with #4 satin polish

09 78 13 00-0002 22 Gauge Stainless Steel Wall Base (09 78 13 00-0001)

09 78 13 00-0003	LF	2" Height, 22 Gauge, Stainless Steel Straight Wall Base	12.71	2.89
09 78 13 00-0004	LF	4" Height, 22 Gauge, Stainless Steel Straight Wall Base	18.65	3.18
09 78 13 00-0005	LF	4-3/4" Height, 22 Gauge, Stainless Steel Straight Wall Base	20.73	3.18
09 78 13 00-0006	LF	6" Height, 22 Gauge, Stainless Steel Straight Wall Base	24.84	3.47
09 78 13 00-0007	LF	8" Height, 22 Gauge, Stainless Steel Straight Wall Base	31.04	3.85
09 78 13 00-0008	LF	2" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	14.25	2.89
09 78 13 00-0009	LF	4" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	20.11	3.18
09 78 13 00-0010	LF	4-3/4" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	22.17	3.18
09 78 13 00-0011	LF	6" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	26.09	3.47
09 78 13 00-0012	LF	8" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	32.31	3.85
09 78 13 00-0013	EA	2" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	34.78	5.77
09 78 13 00-0014	EA	4" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	43.95	6.36
09 78 13 00-0015	EA	4-3/4" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	47.08	6.36
09 78 13 00-0016	EA	6" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	53.22	6.93
09 78 13 00-0017	EA	8" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	62.89	7.71

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 78 13 00-0018	EA	2" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	70.50	5.77
09 78 13 00-0019	EA	4" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	79.78	6.36
09 78 13 00-0020	EA	4-3/4" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	82.80	6.36
09 78 13 00-0021	EA	6" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	89.05	6.93
09 78 13 00-0022	EA	8" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	98.71	7.71
09 78 13 00-0023	EA	2" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	34.78	5.77
09 78 13 00-0024	EA	4" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	43.95	6.36
09 78 13 00-0025	EA	4-3/4" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	47.08	6.36
09 78 13 00-0026	EA	6" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	53.22	6.93
09 78 13 00-0027	EA	8" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	62.89	7.71
09 78 13 00-0028	EA	2" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	84.87	5.77
09 78 13 00-0029	EA	4" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	94.04	6.36
09 78 13 00-0030	EA	4-3/4" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	97.17	6.36
09 78 13 00-0031	EA	6" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	103.32	6.93
09 78 13 00-0032	EA	8" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	112.98	7.71
09 78 13 00-0033 16 Gauge Stainless Steel Wall Base (09 78 13 00-0001)				
09 78 13 00-0034	LF	2" Height, 16 Gauge, Stainless Steel Straight Wall Base	21.62	2.89
09 78 13 00-0035	LF	4" Height, 16 Gauge, Stainless Steel Straight Wall Base	36.56	3.18
09 78 13 00-0036	LF	4-3/4" Height, 16 Gauge, Stainless Steel Straight Wall Base	41.89	3.18
09 78 13 00-0037	LF	6" Height, 16 Gauge, Stainless Steel Straight Wall Base	51.42	3.47
09 78 13 00-0038	LF	8" Height, 16 Gauge, Stainless Steel Straight Wall Base	68.32	3.85
09 78 13 00-0039	EA	2" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	23.06	2.89
09 78 13 00-0040	LF	4" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	37.96	3.18
09 78 13 00-0041	LF	4-3/4" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	42.91	3.18
09 78 13 00-0042	LF	6" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	52.86	3.47
09 78 13 00-0043	LF	8" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	67.94	3.85
09 78 13 00-0044	EA	2" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	48.11	5.77
09 78 13 00-0045	EA	4" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	70.72	6.36
09 78 13 00-0046	EA	4-3/4" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	78.63	6.36
09 78 13 00-0047	EA	6" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	93.32	6.93
09 78 13 00-0048	EA	8" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	116.42	7.71
09 78 13 00-0049	EA	2" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	83.90	5.77
09 78 13 00-0050	EA	4" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	106.50	6.36
09 78 13 00-0051	EA	4-3/4" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	114.56	6.36
09 78 13 00-0052	EA	6" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	129.14	6.93
09 78 13 00-0053	EA	8" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	152.14	7.71
09 78 13 00-0054	EA	2" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	48.11	5.77
09 78 13 00-0055	EA	4" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	70.72	6.36
09 78 13 00-0056	EA	4-3/4" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	78.63	6.36
09 78 13 00-0057	EA	6" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	93.32	6.93
09 78 13 00-0058	EA	8" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	116.42	7.71
09 78 13 00-0059	EA	2" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	98.20	5.77
09 78 13 00-0060	EA	4" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	120.81	6.36
09 78 13 00-0061	EA	4-3/4" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	128.89	6.36
09 78 13 00-0062	EA	6" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	143.47	6.93
09 78 13 00-0063	EA	8" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	166.51	7.71
09 80 Acoustic Treatment (09)				
09 81 Acoustic Insulation (09 80)				
09 81 16 Acoustic Blanket Insulation (09 81)				
09 81 16 00-0001		Sound Attenuation Fire Blankets (SAFB) (09 81 16)		
		Note: Mineral wool		
09 81 16 00-0002		2.5 PCF Density, Sound Attenuation Fire Blankets (SAFB) (09 81 16 00-0001)		
09 81 16 00-0003	SF	1-1/2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	2.21	0.38
09 81 16 00-0004	SF	2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	2.37	0.38
09 81 16 00-0005	SF	2-1/2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	2.61	0.38
09 81 16 00-0006	SF	3" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	2.79	0.38
09 81 16 00-0007	SF	3-1/2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	3.03	0.38
09 81 16 00-0008	SF	4" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	3.25	0.38
09 81 16 00-0009	SF	5" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	3.55	0.38
09 81 16 00-0010	SF	6" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	3.89	0.38
09 81 16 00-0011		4 PCF Density, Sound Attenuation Fire Blankets (SAFB) (09 81 16 00-0001)		
09 81 16 00-0012	SF	1" Thick, 4 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	2.16	0.38
09 81 16 00-0013		Fiberglass Sound Attenuation Blankets (09 81 16)		
		Note: (Insul-Quilt)		
09 81 16 00-0014	SF	2" Fiberglass Core Blanket, Faced With fiberglass Cloth And Backed With A Flame-Proof Foil (Insul-Quilt)	8.83	0.38
09 81 16 00-0015		Sound Attenuation Batts (09 81 16)		
		Note: NoiseReducer® by Certainteed, Quitezone® by Owens Corning, Sound-Shield® by Johns Mansville.		
09 81 16 00-0016	SF	2-1/2" Thick, Unfaced Sound Attenuation Batt	1.80	0.51
09 81 16 00-0017	SF	3-1/2" Thick, Unfaced Sound Attenuation Batt	1.98	0.51
09 81 16 00-0018	SF	3-1/2" Thick, Kraft Faced Sound Attenuation Batt	2.12	0.51
09 81 16 00-0019	SF	5-1/2" Thick, Unfaced Sound Attenuation Batt	2.48	0.51

09	Finishes	
	09 80	Acoustic Treatment
	09 81	Acoustic Insulation

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST

09 81 16 00-0020	SF	5-1/2" Thick, Kraft Faced Sound Attenuation Batt.....	2.60	0.51
09 81 16 00-0021	SF	6-1/4" Thick, Unfaced Sound Attenuation Batt.....	2.57	0.51
09 81 16 00-0022	SF	6-1/4" Thick, Kraft Faced Sound Attenuation Batt.....	2.69	0.51

09 84 Acoustic Room Components (09 80)

09 84 13 Fixed Sound-Absorptive Panels (09 84)

09 84 13 00-0001	Sound Absorbing Panels And Attenuation Blankets (09 84 13) Note: No backs, 3" thick modular, ceiling or wall hung back. Excludes ceiling suspension systems and wall furring system.			
09 84 13 00-0002	SF	3" Thick Perforated Steel Sound Absorbing Panel Painted, No Back With Fiberglass Or Mineral Filler	13.68	2.56
09 84 13 00-0003	SF	1" Thick Fiberglass Sound Absorbing Panels With Glass Cloth Face For Walls.....	20.20	2.56

09 84 13 00-0004	Sound Absorbing Acoustical Wall Panel System (09 84 13) See CSI section 06 11 16 00-0211 for wood furring.			
09 84 13 00-0005	Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak®) (09 84 13 00-0004) Note: Includes tackable surface, molding and mounting hardware for flush mount.			
09 84 13 00-0006	SF	5/8" Panel Thickness, Vinyl Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Signature Vinyl)	15.53	2.89
09 84 13 00-0007	SF	3/4" Panel Thickness, Composed Fabric Surface (Non-Woven), Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Rhythms®)	14.37	2.89
09 84 13 00-0008	SF	3/4" Panel Thickness, Woven Fabric Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 FR-701)	18.01	2.89
09 84 13 00-0009	SF	3/4" Panel Thickness, Woven Fabric Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Lido™)	18.04	2.89
09 84 13 00-0010	SF	3/4" Panel Thickness, Woven Fabric Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Spinel™)	19.88	2.89
09 84 13 00-0011	SF	3/4" Panel Thickness, Woven Fabric Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Zirconia™)	19.88	2.89

09 84 13 00-0012	Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak®) (09 84 13 00-0004) Note: Includes molding and mounting hardware for flush mount.			
09 84 13 00-0013	SF	1" Panel Thickness, Composed Fabric Surface (Non-Woven), Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 Rhythms®)	18.06	2.89
09 84 13 00-0014	SF	1" Panel Thickness, Woven Fabric Surface, Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 FR-701)	21.06	2.89
09 84 13 00-0015	SF	1" Panel Thickness, Woven Fabric Surface, Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 Lido™)	21.06	2.89
09 84 13 00-0016	SF	1" Panel Thickness, Woven Fabric Surface, Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 Spinel™)	24.05	2.89
09 84 13 00-0017	SF	1" Panel Thickness, Woven Fabric Surface, Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 Zirconia™)	24.05	2.89

09 84 13 00-0018	Fabritec Acoustical Wall Panels (Guilford) (09 84 13 00-0004)			
09 84 13 00-0019	EA	24" x 48" x 1-1/2" Thick Fabritec Acoustical Wall Panels.....	170.75	32.08
		Note: Guilford FR701.		

09 84 13 00-0020	Sound Absorbing Panel, Eggcrate Style (09 84 13) Note: Ceiling or wall hung back.			
09 84 13 00-0021	SF	2" Thick Polyurethane Sound Wave (Eggcrate Style).....	12.28	
		For Pyramid Style, Add	1.18	
09 84 13 00-0022	SF	3" Thick Polyurethane Sound Wave (Eggcrate Style).....	16.14	
		For Pyramid Style, Add	1.18	
09 84 13 00-0023	SF	4" Thick Polyurethane Sound Wave (Eggcrate Style).....	20.98	
		For Pyramid Style, Add	1.18	
09 84 13 00-0024	SF	2" Thick Melamine Sound Wave (Eggcrate Style)	15.82	
		For Eggcrate Style With Hypalon Coating, Add	1.97	
		For Pyramid Style, Add	2.05	
		For Pyramid Style With Hypalon Coating, Add	4.02	
09 84 13 00-0025	SF	3" Thick Melamine Sound Wave (Eggcrate Style)	28.99	
		For Eggcrate Style With Hypalon Coating, Add	1.97	
		For Pyramid Style, Add	0.42	
		For Pyramid Style With Hypalon Coating, Add	2.40	
09 84 13 00-0026	SF	4" Thick Melamine Sound Wave (Eggcrate Style)	36.86	
		For Eggcrate Style With Hypalon Coating, Add	1.97	
		For Pyramid Style, Add	0.42	
		For Pyramid Style With Hypalon Coating, Add	2.40	

09 84 13 00-0027	Sound Deadening Fiberboard (09 84 13)			
09 84 13 00-0028	SF	1/2" Sound Deadening Fiberboard.....	1.67	0.64
		For Horizontal Installation Up To 10' High, Add	0.40	
		For Horizontal Installation >10' High, Add	0.59	
		For Walls >10' High, Add	0.09	
		For Up To 128, Add	0.57	
		For >128 To 320, Add	0.34	

Finishes			09
Acoustic Treatment			09 80
Acoustic Room Components			09 84
TOTAL DIRECT	DEMOLITION		
UNIT COST	UNIT COST		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST

09 84 23 Moveable Sound-Absorptive Panels (09 84)

09 84 23 00-0001 Double Faced Quilted Fiberglass Panel (09 84 23)

09 84 23 00-0002	SF	2" Thick, Double Faced Quilted Fiberglass Panel.....	11.09	0.64
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Note: Installed vertically between underside of slab down to ceiling grid.

09 90 Painting and Coating (09)

Note: Includes masking, safety signs, cleaning of area (dry wiping down walls, floors, doors, etc.), removal of loose paint (paint, caulk, etc.), feathering rough edges, sanding between coats, protective work to contain dust and paint splatters (drop cloths), unless otherwise noted, removal and reinstallation of cabinet hardware, switch covers and outlet plates, equipment to place paint and ladders. New construction work additionally includes filling knots, divots, depressions, holes (screw and nail holes in drywall to 1/4" diameter of unlimited quantity). All work designated as "brush/roller" includes brush work for cut and roller work up to cut in. See CSI section 01 56 16 00-0001 for temporary plastic sheeting to protect existing equipment or materials, 07 92 00 00-0000 for caulking where required, 09 01 20 00-0000 for severely damaged surface preparation in excess of items included above, hand scrape, pressure washing and chemical cleaning where required, 09 29 10 00-0037 for finishing existing wall surfaces or small holes not requiring patching in excess of items included above.

09 91 Painting (09 90)

09 91 13 Exterior Painting (09 91)

Note: Acrylic latex paint unless otherwise stated. Paint tasks covers all paint sheens: flat, eggshell, satin, semi-gloss, or gloss.

09 91 13 00-0001 Paint Exterior Walls/Siding (09 91 13)

09 91 13 00-0002 Paint Exterior Brick Walls (09 91 13 00-0001)

09 91 13 00-0003	SF	1 Coat Filler, Brush Work, Paint Exterior Brick Walls.....	1.11	
		For Oil Based Paint, Add	0.07	
		For Work >15' To 20' Above Floor, Add	0.12	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.20	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.32	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.43	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.64	
		For >100 To 250, Add	0.31	
		For >250 To 500, Add	0.13	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.11	
		For >10,000 To 20,000, Deduct	-0.17	
		For >20,000, Deduct	-0.22	
09 91 13 00-0004	SF	1 Coat Paint, Brush Work, Paint Exterior Brick Walls	1.54	
		For Oil Based Paint, Add	0.10	
		For Work >15' To 20' Above Floor, Add	0.18	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.29	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.47	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.64	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.93	
		For >100 To 250, Add	0.45	
		For >250 To 500, Add	0.19	
		For >2,500 To 5,000, Deduct	-0.08	
		For >5,000 To 10,000, Deduct	-0.15	
		For >10,000 To 20,000, Deduct	-0.23	
		For >20,000, Deduct	-0.31	
09 91 13 00-0005	SF	2 Coats Paint, Brush Work, Paint Exterior Brick Walls	2.31	
		For Oil Based Paint, Add	0.15	
		For Work >15' To 20' Above Floor, Add	0.24	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.39	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.63	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.86	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.29	
		For >100 To 250, Add	0.62	
		For >250 To 500, Add	0.27	
		For >2,500 To 5,000, Deduct	-0.12	
		For >5,000 To 10,000, Deduct	-0.23	
		For >10,000 To 20,000, Deduct	-0.35	
		For >20,000, Deduct	-0.46	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

09 91 13 00-0006	SF	1 Coat Filler, Brush/Roller Work, Paint Exterior Brick Walls	0.79	
		For Oil Based Paint, Add	0.06	
		For Work >15' To 20' Above Floor, Add	0.07	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.12	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.19	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.26	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.40	
		For >100 To 250, Add	0.20	
		For >250 To 500, Add	0.09	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.08	
		For >10,000 To 20,000, Deduct	-0.12	
		For >20,000, Deduct	-0.16	
09 91 13 00-0007	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Brick Walls	1.28	
		For Oil Based Paint, Add	0.09	
		For Work >15' To 20' Above Floor, Add	0.12	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.20	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.32	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.44	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.67	
		For >100 To 250, Add	0.33	
		For >250 To 500, Add	0.14	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.13	
		For >10,000 To 20,000, Deduct	-0.19	
		For >20,000, Deduct	-0.26	
09 91 13 00-0008	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Brick Walls	1.95	
		For Oil Based Paint, Add	0.14	
		For Work >15' To 20' Above Floor, Add	0.17	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.28	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.44	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.61	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.95	
		For >100 To 250, Add	0.47	
		For >250 To 500, Add	0.21	
		For >2,500 To 5,000, Deduct	-0.10	
		For >5,000 To 10,000, Deduct	-0.20	
		For >10,000 To 20,000, Deduct	-0.29	
		For >20,000, Deduct	-0.39	
09 91 13 00-0009	SF	1 Coat Filler, Sprayed, Paint Exterior Brick Walls	0.77	
		For Oil Based Paint, Add	0.06	
		For Work >15' To 20' Above Floor, Add	0.06	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.10	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.16	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.22	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.36	
		For >100 To 250, Add	0.18	
		For >250 To 500, Add	0.08	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.08	
		For >10,000 To 20,000, Deduct	-0.12	
		For >20,000, Deduct	-0.15	
09 91 13 00-0010	SF	1 Coat Paint, Sprayed, Paint Exterior Brick Walls	0.84	
		For Oil Based Paint, Add	0.07	
		For Work >15' To 20' Above Floor, Add	0.05	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.08	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.12	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.17	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.31	
		For >100 To 250, Add	0.16	
		For >250 To 500, Add	0.07	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.08	
		For >10,000 To 20,000, Deduct	-0.13	
		For >20,000, Deduct	-0.17	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0011	SF		2 Coats Paint, Sprayed, Paint Exterior Brick Walls.....	1.70	
			For Oil Based Paint, Add	0.13	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.20	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.32	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.44	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.74	
			For >100 To 250, Add	0.37	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.09	
			For >5,000 To 10,000, Deduct	-0.17	
			For >10,000 To 20,000, Deduct	-0.26	
			For >20,000, Deduct	-0.34	
09 91 13 00-0012	LF		1 Coat Paint, Cut-in Brush Work, Paint Exterior Brick Walls.....	0.25	
			For Oil Based Paint, Add	0.02	
			For Work >15' To 20' Above Floor, Add	0.03	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.05	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.08	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.10	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.15	
			For >100 To 250, Add	0.07	
			For >250 To 500, Add	0.03	
			For >2,500 To 5,000, Deduct	-0.01	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 20,000, Deduct	-0.04	
			For >20,000, Deduct	-0.05	
09 91 13 00-0013			Paint Exterior Concrete Walls (09 91 13 00-0001)		
09 91 13 00-0014	SF		1 Coat Filler, Brush Work, Paint Exterior Concrete Walls.....	0.94	
			For Oil Based Paint, Add	0.06	
			For Epoxy Paint, Add	0.13	
			For Work >15' To 20' Above Floor, Add	0.10	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.17	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.27	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.37	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.54	
			For >100 To 250, Add	0.26	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.19	
09 91 13 00-0015	SF		1 Coat Filler, Brush Work, Paint Exterior Concrete Walls.....	0.98	
			For Oil Based Paint, Add	0.06	
			For Epoxy Paint, Add	0.11	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.19	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.31	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.42	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.61	
			For >100 To 250, Add	0.29	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.20	
09 91 13 00-0016	SF		2 Coats Paint, Brush Work, Paint Exterior Concrete Walls.....	1.87	
			For Oil Based Paint, Add	0.12	
			For Epoxy Paint, Add	0.22	
			For Work >15' To 20' Above Floor, Add	0.22	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.36	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.58	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.79	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.14	
			For >100 To 250, Add	0.55	
			For >250 To 500, Add	0.24	
			For >2,500 To 5,000, Deduct	-0.09	
			For >5,000 To 10,000, Deduct	-0.19	
			For >10,000 To 20,000, Deduct	-0.28	
			For >20,000, Deduct	-0.37	

09 Finishes**09 90 Painting and Coating****09 91 Painting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 91 13 00-0017	SF	1 Coat Filler, Brush/Roller Work, Paint Exterior Concrete Walls.....	0.79	
		For Oil Based Paint, Add	0.05	
		For Epoxy Paint, Add	0.12	
		For Work >15' To 20' Above Floor, Add	0.08	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.13	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.21	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.29	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.43	
		For >100 To 250, Add	0.21	
		For >250 To 500, Add	0.09	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.08	
		For >10,000 To 20,000, Deduct	-0.12	
		For >20,000, Deduct	-0.16	
09 91 13 00-0018	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Concrete Walls	0.84	
		For Oil Based Paint, Add	0.05	
		For Epoxy Paint, Add	0.11	
		For Work >15' To 20' Above Floor, Add	0.09	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.16	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.25	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.35	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.50	
		For >100 To 250, Add	0.24	
		For >250 To 500, Add	0.11	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.08	
		For >10,000 To 20,000, Deduct	-0.13	
		For >20,000, Deduct	-0.17	
09 91 13 00-0019	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Walls.....	1.45	
		For Oil Based Paint, Add	0.09	
		For Epoxy Paint, Add	0.20	
		For Work >15' To 20' Above Floor, Add	0.15	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.26	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.41	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.56	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.83	
		For >100 To 250, Add	0.40	
		For >250 To 500, Add	0.17	
		For >2,500 To 5,000, Deduct	-0.07	
		For >5,000 To 10,000, Deduct	-0.15	
		For >10,000 To 20,000, Deduct	-0.22	
		For >20,000, Deduct	-0.29	
09 91 13 00-0020	SF	1 Coat Filler, Sprayed, Paint Exterior Concrete Walls	0.69	
		For Oil Based Paint, Add	0.05	
		For Epoxy Paint, Add	0.13	
		For Work >15' To 20' Above Floor, Add	0.06	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.09	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.15	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.20	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.33	
		For >100 To 250, Add	0.16	
		For >250 To 500, Add	0.07	
		For >2,500 To 5,000, Deduct	-0.03	
		For >5,000 To 10,000, Deduct	-0.07	
		For >10,000 To 20,000, Deduct	-0.10	
		For >20,000, Deduct	-0.14	
09 91 13 00-0021	SF	1 Coat Paint, Sprayed, Paint Exterior Concrete Walls	0.61	
		For Oil Based Paint, Add	0.04	
		For Epoxy Paint, Add	0.11	
		For Work >15' To 20' Above Floor, Add	0.05	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.09	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.14	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.19	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.30	
		For >100 To 250, Add	0.15	
		For >250 To 500, Add	0.06	
		For >2,500 To 5,000, Deduct	-0.03	
		For >5,000 To 10,000, Deduct	-0.06	
		For >10,000 To 20,000, Deduct	-0.09	
		For >20,000, Deduct	-0.12	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0022	SF	2 Coats Paint, Sprayed, Paint Exterior Concrete Walls	1.10	
		For Oil Based Paint, Add	0.08	
		For Epoxy Paint, Add	0.21	
		For Work >15' To 20' Above Floor, Add	0.09	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.14	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.23	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.31	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.51	
		For >100 To 250, Add	0.25	
		For >250 To 500, Add	0.11	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.11	
		For >10,000 To 20,000, Deduct	-0.17	
		For >20,000, Deduct	-0.22	
09 91 13 00-0023	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Concrete Walls	0.17	
		For Oil Based Paint, Add	0.01	
		For Epoxy Paint, Add	0.02	
		For Work >15' To 20' Above Floor, Add	0.02	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.03	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.05	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.07	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.10	
		For >100 To 250, Add	0.05	
		For >250 To 500, Add	0.02	
		For >2,500 To 5,000, Deduct	-0.01	
		For >5,000 To 10,000, Deduct	-0.02	
		For >10,000 To 20,000, Deduct	-0.03	
		For >20,000, Deduct	-0.03	
09 91 13 00-0024		Paint Exterior Concrete Block Walls (09 91 13 00-0001)		
09 91 13 00-0025		Paint Exterior Concrete Block Walls, Epoxy Paint (09 91 13 00-0024)		
09 91 13 00-0026	LF	1 Coat Epoxy Paint, Cut-in Brush Work, Paint Exterior Concrete Block Walls	0.25	
		For Work >15' To 20' Above Floor, Add	0.03	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.04	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.07	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.09	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.14	
		For >100 To 250, Add	0.07	
		For >250 To 500, Add	0.03	
		For >2,500 To 5,000, Deduct	-0.01	
		For >5,000 To 10,000, Deduct	-0.03	
		For >10,000 To 20,000, Deduct	-0.04	
		For >20,000, Deduct	-0.05	
09 91 13 00-0027	SF	1 Coat Epoxy Filler, Brush Work, Paint Exterior Concrete Block Walls	1.35	
		For Work >15' To 20' Above Floor, Add	0.13	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.22	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.35	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.48	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.72	
		For >100 To 250, Add	0.35	
		For >250 To 500, Add	0.15	
		For >2,500 To 5,000, Deduct	-0.07	
		For >5,000 To 10,000, Deduct	-0.14	
		For >10,000 To 20,000, Deduct	-0.20	
		For >20,000, Deduct	-0.27	
09 91 13 00-0028	SF	1 Coat Epoxy Paint, Brush Work, Paint Exterior Concrete Block Walls	1.52	
		For Work >15' To 20' Above Floor, Add	0.16	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.26	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.42	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.57	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.85	
		For >100 To 250, Add	0.41	
		For >250 To 500, Add	0.18	
		For >2,500 To 5,000, Deduct	-0.08	
		For >5,000 To 10,000, Deduct	-0.15	
		For >10,000 To 20,000, Deduct	-0.23	
		For >20,000, Deduct	-0.30	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

09 91 13 00-0029	SF	2 Coats Epoxy Paint, Brush Work, Paint Exterior Concrete Block Walls	2.71	
		For Work >15' To 20' Above Floor, Add	0.26	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.44	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.70	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.96	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.46	
		For >100 To 250, Add	0.71	
		For >250 To 500, Add	0.31	
		For >2,500 To 5,000, Deduct	-0.14	
		For >5,000 To 10,000, Deduct	-0.27	
		For >10,000 To 20,000, Deduct	-0.41	
		For >20,000, Deduct	-0.54	
09 91 13 00-0030	SF	1 Coat Epoxy Filler, Brush/Roller Work, Paint Exterior Concrete Block Walls	1.15	
		For Work >15' To 20' Above Floor, Add	0.10	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.17	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.27	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.37	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.57	
		For >100 To 250, Add	0.28	
		For >250 To 500, Add	0.12	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.12	
		For >10,000 To 20,000, Deduct	-0.17	
		For >20,000, Deduct	-0.23	
09 91 13 00-0031	SF	1 Coat Epoxy Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls	1.25	
		For Work >15' To 20' Above Floor, Add	0.12	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.19	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.31	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.42	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.65	
		For >100 To 250, Add	0.32	
		For >250 To 500, Add	0.14	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.13	
		For >10,000 To 20,000, Deduct	-0.19	
		For >20,000, Deduct	-0.25	
09 91 13 00-0032	SF	2 Coats Epoxy Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls	2.26	
		For Work >15' To 20' Above Floor, Add	0.20	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.33	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.52	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.72	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.12	
		For >100 To 250, Add	0.55	
		For >250 To 500, Add	0.24	
		For >2,500 To 5,000, Deduct	-0.11	
		For >5,000 To 10,000, Deduct	-0.23	
		For >10,000 To 20,000, Deduct	-0.34	
		For >20,000, Deduct	-0.45	
09 91 13 00-0033	SF	1 Coat Epoxy Filler, Sprayed, Paint Exterior Concrete Block Walls	0.97	
		For Work >15' To 20' Above Floor, Add	0.06	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.10	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.16	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.21	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.38	
		For >100 To 250, Add	0.19	
		For >250 To 500, Add	0.09	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.10	
		For >10,000 To 20,000, Deduct	-0.15	
		For >20,000, Deduct	-0.19	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
09 91 13 00-0034	SF		1 Coat Epoxy Paint, Sprayed, Paint Exterior Concrete Block Walls	1.05	
			For Work >15' To 20' Above Floor, Add	0.07	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.12	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.19	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.26	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.44	
			For >100 To 250, Add	0.22	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.16	
			For >20,000, Deduct	-0.21	
09 91 13 00-0035	SF		2 Coats Epoxy Paint, Sprayed, Paint Exterior Concrete Block Walls.....	2.08	
			For Work >15' To 20' Above Floor, Add	0.13	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.22	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.34	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.47	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.83	
			For >100 To 250, Add	0.42	
			For >250 To 500, Add	0.19	
			For >2,500 To 5,000, Deduct	-0.10	
			For >5,000 To 10,000, Deduct	-0.21	
			For >10,000 To 20,000, Deduct	-0.31	
			For >20,000, Deduct	-0.42	
09 91 13 00-0036			Paint Exterior Concrete Block Walls, Acrylic Latex Paint (09 91 13 00-0024)	1.19	
09 91 13 00-0037	SF		1 Coat Filler, Brush Work, Paint Exterior Concrete Block Walls	1.19	
			For Oil Based Paint, Add	0.08	
			For Work >15' To 20' Above Floor, Add	0.13	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.22	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.35	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.48	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.70	
			For >100 To 250, Add	0.34	
			For >250 To 500, Add	0.15	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.18	
			For >20,000, Deduct	-0.24	
09 91 13 00-0038	SF		1 Coat Paint, Brush Work, Paint Exterior Concrete Block Walls	1.44	
			For Oil Based Paint, Add	0.09	
			For Work >15' To 20' Above Floor, Add	0.15	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.25	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.40	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.56	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.82	
			For >100 To 250, Add	0.40	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.14	
			For >10,000 To 20,000, Deduct	-0.22	
			For >20,000, Deduct	-0.29	
09 91 13 00-0039	SF		2 Coats Paint, Brush Work, Paint Exterior Concrete Block Walls	2.65	
			For Oil Based Paint, Add	0.18	
			For Work >15' To 20' Above Floor, Add	0.27	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.45	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.72	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.99	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.48	
			For >100 To 250, Add	0.72	
			For >250 To 500, Add	0.31	
			For >2,500 To 5,000, Deduct	-0.13	
			For >5,000 To 10,000, Deduct	-0.27	
			For >10,000 To 20,000, Deduct	-0.40	
			For >20,000, Deduct	-0.53	

09 Finishes**09 90 Painting and Coating****09 91 Painting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 91 13 00-0040	SF	1 Coat Texture Paint, Brush Work, Paint Exterior Concrete Block Walls	1.60	
		For Oil Based Paint, Add	0.10	
		For Work >15' To 20' Above Floor, Add	0.17	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.28	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.45	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.62	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.91	
		For >100 To 250, Add	0.44	
		For >250 To 500, Add	0.19	
		For >2,500 To 5,000, Deduct	-0.08	
		For >5,000 To 10,000, Deduct	-0.16	
		For >10,000 To 20,000, Deduct	-0.24	
		For >20,000, Deduct	-0.32	
09 91 13 00-0041	SF	1 Coat Filler, Brush/Roller Work, Paint Exterior Concrete Block Walls	0.97	
		For Oil Based Paint, Add	0.06	
		For Work >15' To 20' Above Floor, Add	0.10	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.16	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.26	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.36	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.54	
		For >100 To 250, Add	0.26	
		For >250 To 500, Add	0.11	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.10	
		For >10,000 To 20,000, Deduct	-0.15	
		For >20,000, Deduct	-0.19	
09 91 13 00-0042	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls	1.25	
		For Oil Based Paint, Add	0.08	
		For Work >15' To 20' Above Floor, Add	0.12	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.21	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.33	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.45	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.68	
		For >100 To 250, Add	0.33	
		For >250 To 500, Add	0.14	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.13	
		For >10,000 To 20,000, Deduct	-0.19	
		For >20,000, Deduct	-0.25	
09 91 13 00-0043	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls	2.19	
		For Oil Based Paint, Add	0.15	
		For Work >15' To 20' Above Floor, Add	0.20	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.34	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.54	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.74	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.13	
		For >100 To 250, Add	0.55	
		For >250 To 500, Add	0.24	
		For >2,500 To 5,000, Deduct	-0.11	
		For >5,000 To 10,000, Deduct	-0.22	
		For >10,000 To 20,000, Deduct	-0.33	
		For >20,000, Deduct	-0.44	
09 91 13 00-0044	SF	1 Coat Texture Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls	1.40	
		For Oil Based Paint, Add	0.09	
		For Work >15' To 20' Above Floor, Add	0.14	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.23	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.37	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.51	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.76	
		For >100 To 250, Add	0.37	
		For >250 To 500, Add	0.16	
		For >2,500 To 5,000, Deduct	-0.07	
		For >5,000 To 10,000, Deduct	-0.14	
		For >10,000 To 20,000, Deduct	-0.21	
		For >20,000, Deduct	-0.28	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0045	SF	1 Coat Filler, Sprayed, Paint Exterior Concrete Block Walls.....	0.96	
		For Oil Based Paint, Add	0.07	
		For Work >15' To 20' Above Floor, Add	0.08	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.13	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.21	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.29	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.46	
		For >100 To 250, Add	0.23	
		For >250 To 500, Add	0.10	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.10	
		For >10,000 To 20,000, Deduct	-0.14	
		For >20,000, Deduct	-0.19	
09 91 13 00-0046	SF	1 Coat Paint, Sprayed, Paint Exterior Concrete Block Walls	1.03	
		For Oil Based Paint, Add	0.08	
		For Work >15' To 20' Above Floor, Add	0.08	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.13	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.20	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.28	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.45	
		For >100 To 250, Add	0.23	
		For >250 To 500, Add	0.10	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.10	
		For >10,000 To 20,000, Deduct	-0.15	
		For >20,000, Deduct	-0.21	
09 91 13 00-0047	SF	2 Coats Paint, Sprayed, Paint Exterior Concrete Block Walls	1.52	
		For Oil Based Paint, Add	0.11	
		For Work >15' To 20' Above Floor, Add	0.13	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.22	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.35	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.48	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.76	
		For >100 To 250, Add	0.37	
		For >250 To 500, Add	0.16	
		For >2,500 To 5,000, Deduct	-0.08	
		For >5,000 To 10,000, Deduct	-0.15	
		For >10,000 To 20,000, Deduct	-0.23	
		For >20,000, Deduct	-0.30	
09 91 13 00-0048	SF	1 Coat Texture Paint, Sprayed, Paint Exterior Concrete Block Walls	1.31	
		For Oil Based Paint, Add	0.10	
		For Work >15' To 20' Above Floor, Add	0.10	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.17	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.27	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.37	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.60	
		For >100 To 250, Add	0.30	
		For >250 To 500, Add	0.13	
		For >2,500 To 5,000, Deduct	-0.07	
		For >5,000 To 10,000, Deduct	-0.13	
		For >10,000 To 20,000, Deduct	-0.20	
		For >20,000, Deduct	-0.26	
09 91 13 00-0049	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Concrete Block Walls	0.24	
		For Oil Based Paint, Add	0.02	
		For Work >15' To 20' Above Floor, Add	0.03	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.04	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.07	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.09	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.14	
		For >100 To 250, Add	0.07	
		For >250 To 500, Add	0.03	
		For >2,500 To 5,000, Deduct	-0.01	
		For >5,000 To 10,000, Deduct	-0.02	
		For >10,000 To 20,000, Deduct	-0.04	
		For >20,000, Deduct	-0.05	

09 91 13 00-0050 Paint Exterior Drywall/Plaster Walls (09 91 13 00-0001)

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

09 91 13 00-0051	SF	1 Coat Primer, Brush Work, Paint Exterior Drywall/Plaster Wall.....	0.97	
		For Oil Based Paint, Add	0.06	
		For Orange Peel Finish, Add	0.13	
		For Work >15' To 20' Above Floor, Add	0.11	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.18	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.28	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.39	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.57	
		For >100 To 250, Add	0.27	
		For >250 To 500, Add	0.12	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.10	
		For >10,000 To 20,000, Deduct	-0.15	
		For >20,000, Deduct	-0.19	
		For Epoxy Paint, Add	0.13	
09 91 13 00-0052	SF	1 Coat Paint, Brush Work, Paint Exterior Drywall/Plaster Walls	1.01	
		For Oil Based Paint, Add	0.06	
		For Orange Peel Finish, Add	0.14	
		For Work >15' To 20' Above Floor, Add	0.12	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.20	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.32	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.44	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.63	
		For >100 To 250, Add	0.30	
		For >250 To 500, Add	0.13	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.10	
		For >10,000 To 20,000, Deduct	-0.15	
		For >20,000, Deduct	-0.20	
		For Epoxy Paint, Add	0.11	
09 91 13 00-0053	SF	2 Coats Paint, Brush Work, Paint Exterior Drywall/Plaster Walls.....	1.88	
		For Oil Based Paint, Add	0.12	
		For Orange Peel Finish, Add	0.25	
		For Work >15' To 20' Above Floor, Add	0.22	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.36	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.58	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.80	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.15	
		For >100 To 250, Add	0.55	
		For >250 To 500, Add	0.24	
		For >2,500 To 5,000, Deduct	-0.09	
		For >5,000 To 10,000, Deduct	-0.19	
		For >10,000 To 20,000, Deduct	-0.28	
		For >20,000, Deduct	-0.38	
		For Epoxy Paint, Add	0.22	
09 91 13 00-0054	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Drywall/Plaster Walls.....	0.79	
		For Oil Based Paint, Add	0.05	
		For Orange Peel Finish, Add	0.10	
		For Work >15' To 20' Above Floor, Add	0.08	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.13	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.21	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.29	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.43	
		For >100 To 250, Add	0.21	
		For >250 To 500, Add	0.09	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.08	
		For >10,000 To 20,000, Deduct	-0.12	
		For >20,000, Deduct	-0.16	
		For Epoxy Paint, Add	0.12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0055	SF	1	Coat Paint, Brush/Roller Work, Paint Exterior Drywall/Plaster Walls	0.76	
			For Oil Based Paint, Add	0.05	
			For Orange Peel Finish, Add	0.10	
			For Work >15' To 20' Above Floor, Add	0.08	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.14	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.22	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.30	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.44	
			For >100 To 250, Add	0.21	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.15	
			For Epoxy Paint, Add	0.10	
09 91 13 00-0056	SF	2	Coats Paint, Brush/Roller Work, Paint Exterior Drywall/Plaster Walls	1.43	
			For Oil Based Paint, Add	0.09	
			For Orange Peel Finish, Add	0.19	
			For Work >15' To 20' Above Floor, Add	0.15	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.25	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.40	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.55	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.81	
			For >100 To 250, Add	0.39	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.14	
			For >10,000 To 20,000, Deduct	-0.21	
			For >20,000, Deduct	-0.29	
			For Epoxy Paint, Add	0.20	
09 91 13 00-0057	SF	1	Coat Primer, Sprayed, Paint Exterior Drywall/Plaster Walls	0.69	
			For Oil Based Paint, Add	0.05	
			For Work >15' To 20' Above Floor, Add	0.06	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.09	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.15	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.20	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.33	
			For >100 To 250, Add	0.16	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.14	
			For Epoxy Paint, Add	0.13	
09 91 13 00-0058	SF	1	Coat Paint, Sprayed, Paint Exterior Drywall/Plaster Walls	0.71	
			For Oil Based Paint, Add	0.05	
			For Work >15' To 20' Above Floor, Add	0.07	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.11	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.18	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.24	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.37	
			For >100 To 250, Add	0.18	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.14	
			For Epoxy Paint, Add	0.12	
09 91 13 00-0059	SF	2	Coats Paint, Sprayed, Paint Exterior Drywall/Plaster Walls	1.18	
			For Oil Based Paint, Add	0.09	
			For Work >15' To 20' Above Floor, Add	0.10	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.16	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.26	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.36	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.57	
			For >100 To 250, Add	0.28	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.18	
			For >20,000, Deduct	-0.24	
			For Epoxy Paint, Add	0.22	

09 Finishes**09 90 Painting and Coating****09 91 Painting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 91 13 00-0060	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Drywall/Plaster Walls	0.17	
		For Oil Based Paint, Add	0.01	
		For Work >15' To 20' Above Floor, Add	0.02	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.03	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.05	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.07	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.10	
		For >100 To 250, Add	0.05	
		For >250 To 500, Add	0.02	
		For >2,500 To 5,000, Deduct	-0.01	
		For >5,000 To 10,000, Deduct	-0.02	
		For >10,000 To 20,000, Deduct	-0.03	
		For >20,000, Deduct	-0.03	
		For Epoxy Paint, Add	0.02	

09 91 13 00-0061 Paint Exterior Metal Walls (09 91 13 00-0001)**09 91 13 00-0062 Paint Exterior Galvanized Walls (09 91 13 00-0061)**

Note: Linseed oil or acrylic latex paint.

09 91 13 00-0063	SF	1 Coat Primer, Brush Work, Paint Exterior Galvanized Wall Surfaces	1.19	
		For Work >15' To 20' Above Floor, Add	0.12	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.20	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.31	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.43	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.65	
		For >100 To 250, Add	0.31	
		For >250 To 500, Add	0.14	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.12	
		For >10,000 To 20,000, Deduct	-0.18	
		For >20,000, Deduct	-0.24	

09 91 13 00-0064	SF	1 Coat Paint, Brush Work, Paint Exterior Galvanized Wall Surfaces	1.30	
		For Work >15' To 20' Above Floor, Add	0.13	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.22	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.36	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.49	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.73	
		For >100 To 250, Add	0.35	
		For >250 To 500, Add	0.15	
		For >2,500 To 5,000, Deduct	-0.07	
		For >5,000 To 10,000, Deduct	-0.13	
		For >10,000 To 20,000, Deduct	-0.20	
		For >20,000, Deduct	-0.26	

09 91 13 00-0065	SF	2 Coats Paint, Brush Work, Paint Exterior Galvanized Wall Surfaces	2.41	
		For Work >15' To 20' Above Floor, Add	0.24	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.39	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.63	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.86	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.30	
		For >100 To 250, Add	0.63	
		For >250 To 500, Add	0.28	
		For >2,500 To 5,000, Deduct	-0.12	
		For >5,000 To 10,000, Deduct	-0.24	
		For >10,000 To 20,000, Deduct	-0.36	
		For >20,000, Deduct	-0.48	

09 91 13 00-0066	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Galvanized Walls	0.90	
		For Work >15' To 20' Above Floor, Add	0.08	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.14	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.22	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.31	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.47	
		For >100 To 250, Add	0.23	
		For >250 To 500, Add	0.10	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.09	
		For >10,000 To 20,000, Deduct	-0.14	
		For >20,000, Deduct	-0.18	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0067	SF	1	Coat Paint, Brush/Roller Work, Paint Exterior Galvanized Walls	1.03	
			For Work >15' To 20' Above Floor, Add	0.10	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.17	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.27	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.37	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.56	
			For >100 To 250, Add	0.27	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.21	
09 91 13 00-0068	SF	2	Coats Paint, Brush/Roller Work, Paint Exterior Galvanized Walls	1.96	
			For Work >15' To 20' Above Floor, Add	0.19	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.31	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.50	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.68	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.04	
			For >100 To 250, Add	0.51	
			For >250 To 500, Add	0.22	
			For >2,500 To 5,000, Deduct	-0.10	
			For >5,000 To 10,000, Deduct	-0.20	
			For >10,000 To 20,000, Deduct	-0.29	
			For >20,000, Deduct	-0.39	
09 91 13 00-0069	SF	1	Coat Primer, Sprayed, Paint Exterior Galvanized Walls	0.80	
			For Work >15' To 20' Above Floor, Add	0.05	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.08	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.13	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.18	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.31	
			For >100 To 250, Add	0.16	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.16	
09 91 13 00-0070	SF	1	Coat Paint, Sprayed, Paint Exterior Galvanized Walls	1.01	
			For Work >15' To 20' Above Floor, Add	0.08	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.13	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.21	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.29	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.47	
			For >100 To 250, Add	0.23	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.20	
09 91 13 00-0071	SF	2	Coats Paint, Sprayed, Paint Exterior Galvanized Walls	1.74	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.20	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.31	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.43	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.73	
			For >100 To 250, Add	0.37	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.09	
			For >5,000 To 10,000, Deduct	-0.17	
			For >10,000 To 20,000, Deduct	-0.26	
			For >20,000, Deduct	-0.35	

09 91 13 00-0072 Paint Exterior Aluminum And Aluminum Alloy Walls (09 91 13 00-0061)
Note: Alkyd enamel paint.

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

09 91 13 00-0073	SF	1 Coat Primer, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces.....	1.19	
		For Work >15' To 20' Above Floor, Add	0.12	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.20	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.31	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.43	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.65	
		For >100 To 250, Add	0.31	
		For >250 To 500, Add	0.14	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.12	
		For >10,000 To 20,000, Deduct	-0.18	
		For >20,000, Deduct	-0.24	
09 91 13 00-0074	SF	1 Coat Paint, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces	1.30	
		For Work >15' To 20' Above Floor, Add	0.13	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.22	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.36	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.49	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.73	
		For >100 To 250, Add	0.35	
		For >250 To 500, Add	0.15	
		For >2,500 To 5,000, Deduct	-0.07	
		For >5,000 To 10,000, Deduct	-0.13	
		For >10,000 To 20,000, Deduct	-0.20	
		For >20,000, Deduct	-0.26	
09 91 13 00-0075	SF	2 Coats Paint, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces	2.40	
		For Work >15' To 20' Above Floor, Add	0.24	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.39	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.63	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.86	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.30	
		For >100 To 250, Add	0.63	
		For >250 To 500, Add	0.28	
		For >2,500 To 5,000, Deduct	-0.12	
		For >5,000 To 10,000, Deduct	-0.24	
		For >10,000 To 20,000, Deduct	-0.36	
		For >20,000, Deduct	-0.48	
09 91 13 00-0076	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Walls.....	1.04	
		For Work >15' To 20' Above Floor, Add	0.08	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.14	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.22	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.31	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.49	
		For >100 To 250, Add	0.24	
		For >250 To 500, Add	0.11	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.10	
		For >10,000 To 20,000, Deduct	-0.16	
		For >20,000, Deduct	-0.21	
09 91 13 00-0077	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Walls	1.15	
		For Work >15' To 20' Above Floor, Add	0.10	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.17	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.27	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.37	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.57	
		For >100 To 250, Add	0.28	
		For >250 To 500, Add	0.12	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.12	
		For >10,000 To 20,000, Deduct	-0.17	
		For >20,000, Deduct	-0.23	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0078	SF		2 Coats Paint, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Walls	2.20	
			For Work >15' To 20' Above Floor, Add	0.19	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.31	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.50	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.68	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.07	
			For >100 To 250, Add	0.53	
			For >250 To 500, Add	0.23	
			For >2,500 To 5,000, Deduct	-0.11	
			For >5,000 To 10,000, Deduct	-0.22	
			For >10,000 To 20,000, Deduct	-0.33	
			For >20,000, Deduct	-0.44	
09 91 13 00-0079	SF		1 Coat Primer, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Walls	0.87	
			For Work >15' To 20' Above Floor, Add	0.06	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.10	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.16	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.21	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.36	
			For >100 To 250, Add	0.18	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.17	
09 91 13 00-0080	SF		1 Coat Paint, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Walls.....	1.01	
			For Work >15' To 20' Above Floor, Add	0.08	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.13	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.21	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.29	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.47	
			For >100 To 250, Add	0.23	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.20	
09 91 13 00-0081	SF		2 Coats Paint, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Walls	1.74	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.20	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.31	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.43	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.73	
			For >100 To 250, Add	0.37	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.09	
			For >5,000 To 10,000, Deduct	-0.17	
			For >10,000 To 20,000, Deduct	-0.26	
			For >20,000, Deduct	-0.35	
09 91 13 00-0082			Paint Exterior Aluminum And Aluminum Alloy Roof Stacks (09 91 13 00-0081)		
09 91 13 00-0083	LF		1 Coat Primer, Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, Per LF Of Stack	14.13	
			For Work >15' To 20' Above Floor, Add	1.76	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	2.93	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	4.69	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	6.45	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	9.16	
			For >100 To 250, Add	4.35	
			For >250 To 500, Add	1.88	
			For >2,500 To 5,000, Deduct	-0.71	
			For >5,000 To 10,000, Deduct	-1.41	
			For >10,000 To 20,000, Deduct	-2.12	
			For >20,000, Deduct	-2.83	

09 Finishes**09 90 Painting and Coating****09 91 Painting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 91 13 00-0084	LF	1 Coat Paint, Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, Per LF Of Stack.....	15.73
		For Work >15' To 20' Above Floor, Add	1.95
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	3.26
		Note: Applied only to work area above 20'.	
		For Work >30' To 40' Above Floor, Add	5.21
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	7.17
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	10.18
		For >100 To 250, Add	4.83
		For >250 To 500, Add	2.09
		For >2,500 To 5,000, Deduct	-0.79
		For >5,000 To 10,000, Deduct	-1.57
		For >10,000 To 20,000, Deduct	-2.36
		For >20,000, Deduct	-3.15
09 91 13 00-0085	LF	2 Coats Paint, Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, Per LF Of Stack.....	29.30
		For Work >15' To 20' Above Floor, Add	3.68
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	6.13
		Note: Applied only to work area above 20'.	
		For Work >30' To 40' Above Floor, Add	9.80
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	13.48
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	19.10
		For >100 To 250, Add	9.06
		For >250 To 500, Add	3.92
		For >2,500 To 5,000, Deduct	-1.47
		For >5,000 To 10,000, Deduct	-2.93
		For >10,000 To 20,000, Deduct	-4.40
		For >20,000, Deduct	-5.86

09 91 13 00-0086 Paint Exterior Corrugated Metal Walls (09 91 13 00-0061)

09 91 13 00-0087	SF	1 Coat Primer, Sprayed, Paint Exterior Corrugated Metal Walls.....	0.99
		For Work >15' To 20' Above Floor, Add	0.07
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.11
		Note: Applied only to work area above 20'.	
		For Work >30' To 40' Above Floor, Add	0.18
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.24
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.41
		For >100 To 250, Add	0.21
		For >250 To 500, Add	0.09
		For >2,500 To 5,000, Deduct	-0.05
		For >5,000 To 10,000, Deduct	-0.10
		For >10,000 To 20,000, Deduct	-0.15
		For >20,000, Deduct	-0.20
09 91 13 00-0088	SF	1 Coat Paint, Sprayed, Paint Exterior Corrugated Metal Walls.....	1.25
		For Work >15' To 20' Above Floor, Add	0.11
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.18
		Note: Applied only to work area above 20'.	
		For Work >30' To 40' Above Floor, Add	0.28
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.39
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.61
		For >100 To 250, Add	0.30
		For >250 To 500, Add	0.13
		For >2,500 To 5,000, Deduct	-0.06
		For >5,000 To 10,000, Deduct	-0.13
		For >10,000 To 20,000, Deduct	-0.19
		For >20,000, Deduct	-0.25
09 91 13 00-0089	SF	2 Coats Paint, Sprayed, Paint Exterior Corrugated Metal Walls.....	2.14
		For Work >15' To 20' Above Floor, Add	0.16
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.26
		Note: Applied only to work area above 20'.	
		For Work >30' To 40' Above Floor, Add	0.42
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.57
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.95
		For >100 To 250, Add	0.47
		For >250 To 500, Add	0.21
		For >2,500 To 5,000, Deduct	-0.11
		For >5,000 To 10,000, Deduct	-0.21
		For >10,000 To 20,000, Deduct	-0.32
		For >20,000, Deduct	-0.43

09 91 13 00-0090 Paint Exterior Stucco Walls (09 91 13 00-0001)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
09 91 13 00-0091	SF	1	Coat Primer, Brush Work, Paint Exterior Stucco Wall Surfaces.....	1.56	
			For Oil Based Paint, Add	0.09	
			For Work >15' To 20' Above Floor, Add	0.19	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.31	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.50	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.68	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.98	
			For >100 To 250, Add	0.47	
			For >250 To 500, Add	0.20	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.16	
			For >10,000 To 20,000, Deduct	-0.23	
			For >20,000, Deduct	-0.31	
09 91 13 00-0092	SF	1	Coat Paint, Brush Work, Paint Exterior Stucco Wall Surfaces.....	1.72	
			For Oil Based Paint, Add	0.10	
			For Work >15' To 20' Above Floor, Add	0.20	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.34	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.54	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.74	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.07	
			For >100 To 250, Add	0.51	
			For >250 To 500, Add	0.22	
			For >2,500 To 5,000, Deduct	-0.09	
			For >5,000 To 10,000, Deduct	-0.17	
			For >10,000 To 20,000, Deduct	-0.26	
			For >20,000, Deduct	-0.34	
09 91 13 00-0093	SF	2	Coats Paint, Brush Work, Paint Exterior Stucco Wall Surfaces.....	3.20	
			For Oil Based Paint, Add	0.20	
			For Work >15' To 20' Above Floor, Add	0.37	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.62	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.98	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.35	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.96	
			For >100 To 250, Add	0.94	
			For >250 To 500, Add	0.41	
			For >2,500 To 5,000, Deduct	-0.16	
			For >5,000 To 10,000, Deduct	-0.32	
			For >10,000 To 20,000, Deduct	-0.48	
			For >20,000, Deduct	-0.64	
09 91 13 00-0094	SF	1	Coat Primer, Brush/Roller Work, Paint Exterior Stucco Walls.....	1.21	
			For Oil Based Paint, Add	0.08	
			For Work >15' To 20' Above Floor, Add	0.13	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.22	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.36	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.49	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.72	
			For >100 To 250, Add	0.34	
			For >250 To 500, Add	0.15	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.18	
			For >20,000, Deduct	-0.24	
09 91 13 00-0095	SF	1	Coat Paint, Brush/Roller Work, Paint Exterior Stucco Walls.....	1.37	
			For Oil Based Paint, Add	0.09	
			For Work >15' To 20' Above Floor, Add	0.15	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.25	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.40	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.55	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.81	
			For >100 To 250, Add	0.39	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.14	
			For >10,000 To 20,000, Deduct	-0.21	
			For >20,000, Deduct	-0.27	

09 Finishes**09 90 Painting and Coating****09 91 Painting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 91 13 00-0096	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Stucco Walls	2.55	
		For Oil Based Paint, Add	0.16	
		For Work >15' To 20' Above Floor, Add	0.27	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.45	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.72	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	1.00	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.47	
		For >100 To 250, Add	0.71	
		For >250 To 500, Add	0.31	
		For >2,500 To 5,000, Deduct	-0.13	
		For >5,000 To 10,000, Deduct	-0.26	
		For >10,000 To 20,000, Deduct	-0.38	
		For >20,000, Deduct	-0.51	
09 91 13 00-0097	SF	1 Coat Primer, Sprayed, Paint Exterior Stucco Walls	0.92	
		For Oil Based Paint, Add	0.06	
		For Work >15' To 20' Above Floor, Add	0.08	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.14	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.22	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.30	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.47	
		For >100 To 250, Add	0.23	
		For >250 To 500, Add	0.10	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.09	
		For >10,000 To 20,000, Deduct	-0.14	
		For >20,000, Deduct	-0.18	
09 91 13 00-0098	SF	1 Coat Paint, Sprayed, Paint Exterior Stucco Walls	1.13	
		For Oil Based Paint, Add	0.08	
		For Work >15' To 20' Above Floor, Add	0.10	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.16	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.26	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.36	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.56	
		For >100 To 250, Add	0.28	
		For >250 To 500, Add	0.12	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.11	
		For >10,000 To 20,000, Deduct	-0.17	
		For >20,000, Deduct	-0.23	
09 91 13 00-0099	SF	2 Coats Paint, Sprayed, Paint Exterior Stucco Walls	2.17	
		For Oil Based Paint, Add	0.15	
		For Work >15' To 20' Above Floor, Add	0.20	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.33	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.53	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.73	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.12	
		For >100 To 250, Add	0.55	
		For >250 To 500, Add	0.24	
		For >2,500 To 5,000, Deduct	-0.11	
		For >5,000 To 10,000, Deduct	-0.22	
		For >10,000 To 20,000, Deduct	-0.33	
		For >20,000, Deduct	-0.43	
09 91 13 00-0100	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Stucco Wall Surfaces	0.28	
		For Oil Based Paint, Add	0.02	
		For Work >15' To 20' Above Floor, Add	0.03	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.06	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.09	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.12	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.17	
		For >100 To 250, Add	0.08	
		For >250 To 500, Add	0.04	
		For >2,500 To 5,000, Deduct	-0.01	
		For >5,000 To 10,000, Deduct	-0.03	
		For >10,000 To 20,000, Deduct	-0.04	
		For >20,000, Deduct	-0.06	

09 91 13 00-0101 Paint Exterior Wood Siding (09 91 13 00-0001)

09 91 13 00-0102 Paint Exterior Smooth Wood Siding (09 91 13 00-0101)

Note: Includes tongue and groove, beveled, drop or board and batten siding.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
09 91 13 00-0103	SF		1 Coat Primer, Brush Work, Paint Exterior Wood Smooth Siding.....	1.35	
			For Oil Based Paint, Add	0.09	
			For Work >15' To 20' Above Floor, Add	0.15	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.25	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.39	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.54	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.79	
			For >100 To 250, Add	0.38	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.14	
			For >10,000 To 20,000, Deduct	-0.20	
			For >20,000, Deduct	-0.27	
09 91 13 00-0104	SF		1 Coat Paint, Brush Work, Paint Exterior Wood Smooth Siding	1.40	
			For Oil Based Paint, Add	0.09	
			For Work >15' To 20' Above Floor, Add	0.16	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.27	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.43	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.59	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.86	
			For >100 To 250, Add	0.41	
			For >250 To 500, Add	0.18	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.14	
			For >10,000 To 20,000, Deduct	-0.21	
			For >20,000, Deduct	-0.28	
09 91 13 00-0105	SF		2 Coats Paint, Brush Work, Paint Exterior Wood Smooth Siding.....	2.53	
			For Oil Based Paint, Add	0.16	
			For Work >15' To 20' Above Floor, Add	0.28	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.47	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.76	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.04	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.51	
			For >100 To 250, Add	0.73	
			For >250 To 500, Add	0.32	
			For >2,500 To 5,000, Deduct	-0.13	
			For >5,000 To 10,000, Deduct	-0.25	
			For >10,000 To 20,000, Deduct	-0.38	
			For >20,000, Deduct	-0.51	
09 91 13 00-0106	SF		1 Coat Primer, Brush/Roller Work, Paint Exterior Smooth Wood Siding.....	1.11	
			For Oil Based Paint, Add	0.08	
			For Work >15' To 20' Above Floor, Add	0.10	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.17	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.27	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.37	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.57	
			For >100 To 250, Add	0.28	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.22	
09 91 13 00-0107	SF		1 Coat Paint, Brush/Roller Work, Paint Exterior Smooth Wood Siding	1.18	
			For Oil Based Paint, Add	0.08	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.20	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.32	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.45	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.66	
			For >100 To 250, Add	0.32	
			For >250 To 500, Add	0.14	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.18	
			For >20,000, Deduct	-0.24	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

09 91 13 00-0108	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Smooth Wood Siding	2.23	
		For Oil Based Paint, Add	0.15	
		For Work >15' To 20' Above Floor, Add	0.22	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.37	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.60	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.82	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.23	
		For >100 To 250, Add	0.60	
		For >250 To 500, Add	0.26	
		For >2,500 To 5,000, Deduct	-0.11	
		For >5,000 To 10,000, Deduct	-0.22	
		For >10,000 To 20,000, Deduct	-0.33	
		For >20,000, Deduct	-0.45	
09 91 13 00-0109	SF	1 Coat Primer, Sprayed, Paint Exterior Smooth Wood Siding	0.91	
		For Oil Based Paint, Add	0.07	
		For Work >15' To 20' Above Floor, Add	0.07	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.12	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.19	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.26	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.42	
		For >100 To 250, Add	0.21	
		For >250 To 500, Add	0.09	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.09	
		For >10,000 To 20,000, Deduct	-0.14	
		For >20,000, Deduct	-0.18	
09 91 13 00-0110	SF	1 Coat Paint, Sprayed, Paint Exterior Smooth Wood Siding	1.06	
		For Oil Based Paint, Add	0.07	
		For Work >15' To 20' Above Floor, Add	0.09	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.16	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.25	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.35	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.54	
		For >100 To 250, Add	0.26	
		For >250 To 500, Add	0.12	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.11	
		For >10,000 To 20,000, Deduct	-0.16	
		For >20,000, Deduct	-0.21	
09 91 13 00-0111	SF	2 Coats Paint, Sprayed, Paint Exterior Smooth Wood Siding	1.74	
		For Oil Based Paint, Add	0.13	
		For Work >15' To 20' Above Floor, Add	0.14	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.24	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.38	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.52	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.83	
		For >100 To 250, Add	0.41	
		For >250 To 500, Add	0.18	
		For >2,500 To 5,000, Deduct	-0.09	
		For >5,000 To 10,000, Deduct	-0.17	
		For >10,000 To 20,000, Deduct	-0.26	
		For >20,000, Deduct	-0.35	
09 91 13 00-0112	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Wood Smooth Siding	0.23	
		For Oil Based Paint, Add	0.01	
		For Work >15' To 20' Above Floor, Add	0.03	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.05	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.07	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.10	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.14	
		For >100 To 250, Add	0.07	
		For >250 To 500, Add	0.03	
		For >2,500 To 5,000, Deduct	-0.01	
		For >5,000 To 10,000, Deduct	-0.02	
		For >10,000 To 20,000, Deduct	-0.03	
		For >20,000, Deduct	-0.05	

09 91 13 00-0113 Paint Exterior Rough Wood Siding (09 91 13 00-0101)

Note: Includes shingles, shakes or rough sawn siding.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
09 91 13 00-0114	SF		1 Coat Primer, Brush Work, Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding	1.78	
			For Oil Based Paint, Add	0.11	
			For Work >15' To 20' Above Floor, Add	0.20	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.34	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.54	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.74	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.08	
			For >100 To 250, Add	0.52	
			For >250 To 500, Add	0.22	
			For >2,500 To 5,000, Deduct	-0.09	
			For >5,000 To 10,000, Deduct	-0.18	
			For >10,000 To 20,000, Deduct	-0.27	
			For >20,000, Deduct	-0.36	
09 91 13 00-0115	SF		1 Coat Paint, Brush Work, Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding.....	1.74	
			For Oil Based Paint, Add	0.10	
			For Work >15' To 20' Above Floor, Add	0.21	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.36	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.57	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.78	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.11	
			For >100 To 250, Add	0.53	
			For >250 To 500, Add	0.23	
			For >2,500 To 5,000, Deduct	-0.09	
			For >5,000 To 10,000, Deduct	-0.17	
			For >10,000 To 20,000, Deduct	-0.26	
			For >20,000, Deduct	-0.35	
09 91 13 00-0116	SF		2 Coats Paint, Brush Work, Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding	3.23	
			For Oil Based Paint, Add	0.19	
			For Work >15' To 20' Above Floor, Add	0.39	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.65	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	1.04	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.42	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	2.04	
			For >100 To 250, Add	0.97	
			For >250 To 500, Add	0.42	
			For >2,500 To 5,000, Deduct	-0.16	
			For >5,000 To 10,000, Deduct	-0.32	
			For >10,000 To 20,000, Deduct	-0.48	
			For >20,000, Deduct	-0.65	
09 91 13 00-0117	SF		1 Coat Primer, Brush/Roller Work, Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn)	1.69	
			For Oil Based Paint, Add	0.12	
			For Work >15' To 20' Above Floor, Add	0.15	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.25	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.40	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.55	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.85	
			For >100 To 250, Add	0.42	
			For >250 To 500, Add	0.18	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.17	
			For >10,000 To 20,000, Deduct	-0.25	
			For >20,000, Deduct	-0.34	
09 91 13 00-0118	SF		1 Coat Paint, Brush/Roller Work, Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn)	1.81	
			For Oil Based Paint, Add	0.13	
			For Work >15' To 20' Above Floor, Add	0.17	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.28	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.45	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.62	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.94	
			For >100 To 250, Add	0.46	
			For >250 To 500, Add	0.20	
			For >2,500 To 5,000, Deduct	-0.09	
			For >5,000 To 10,000, Deduct	-0.18	
			For >10,000 To 20,000, Deduct	-0.27	
			For >20,000, Deduct	-0.36	

09 Finishes**09 90 Painting and Coating****09 91 Painting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 91 13 00-0119	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn).....	3.40	
		For Oil Based Paint, Add	0.24	
		For Work >15' To 20' Above Floor, Add	0.30	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.51	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.81	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	1.11	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.72	
		For >100 To 250, Add	0.85	
		For >250 To 500, Add	0.37	
		For >2,500 To 5,000, Deduct	-0.17	
		For >5,000 To 10,000, Deduct	-0.34	
		For >10,000 To 20,000, Deduct	-0.51	
		For >20,000, Deduct	-0.68	
09 91 13 00-0120	SF	1 Coat Primer, Sprayed, Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn).....	1.23	
		For Oil Based Paint, Add	0.09	
		For Work >15' To 20' Above Floor, Add	0.10	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.16	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.26	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.36	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.57	
		For >100 To 250, Add	0.29	
		For >250 To 500, Add	0.13	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.12	
		For >10,000 To 20,000, Deduct	-0.18	
		For >20,000, Deduct	-0.25	
09 91 13 00-0121	SF	1 Coat Paint, Sprayed, Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn)	1.36	
		For Oil Based Paint, Add	0.10	
		For Work >15' To 20' Above Floor, Add	0.12	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.20	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.31	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.43	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.67	
		For >100 To 250, Add	0.33	
		For >250 To 500, Add	0.15	
		For >2,500 To 5,000, Deduct	-0.07	
		For >5,000 To 10,000, Deduct	-0.14	
		For >10,000 To 20,000, Deduct	-0.20	
		For >20,000, Deduct	-0.27	
09 91 13 00-0122	SF	2 Coats Paint, Sprayed, Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn)	2.60	
		For Oil Based Paint, Add	0.19	
		For Work >15' To 20' Above Floor, Add	0.21	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.36	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.57	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.79	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.25	
		For >100 To 250, Add	0.62	
		For >250 To 500, Add	0.27	
		For >2,500 To 5,000, Deduct	-0.13	
		For >5,000 To 10,000, Deduct	-0.26	
		For >10,000 To 20,000, Deduct	-0.39	
		For >20,000, Deduct	-0.52	

09 91 13 00-0123 Paint Exterior Vinyl Siding (09 91 13 00-0001)

09 91 13 00-0124	SF	1 Coat Primer, Brush Work, Paint Exterior Vinyl Siding	1.04	
		For Oil Based Paint, Add	0.07	
		For Work >15' To 20' Above Floor, Add	0.10	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.17	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.27	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.37	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.56	
		For >100 To 250, Add	0.27	
		For >250 To 500, Add	0.12	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.10	
		For >10,000 To 20,000, Deduct	-0.16	
		For >20,000, Deduct	-0.21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
09 91 13 00-0125	SF	1	Coat Paint, Brush Work, Paint Exterior Vinyl Siding	1.13	
			For Oil Based Paint, Add	0.08	
			For Work >15' To 20' Above Floor, Add	0.11	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.19	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.30	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.42	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.63	
			For >100 To 250, Add	0.30	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.23	
09 91 13 00-0126	SF	2	Coats Paint, Brush Work, Paint Exterior Vinyl Siding	2.15	
			For Oil Based Paint, Add	0.15	
			For Work >15' To 20' Above Floor, Add	0.20	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.34	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.54	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.74	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.13	
			For >100 To 250, Add	0.55	
			For >250 To 500, Add	0.24	
			For >2,500 To 5,000, Deduct	-0.11	
			For >5,000 To 10,000, Deduct	-0.22	
			For >10,000 To 20,000, Deduct	-0.32	
			For >20,000, Deduct	-0.43	
09 91 13 00-0127	SF	1	Coat Primer, Brush/Roller Work, Paint Exterior Vinyl Siding.....	0.99	
			For Oil Based Paint, Add	0.07	
			For Work >15' To 20' Above Floor, Add	0.08	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.14	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.22	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.31	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.48	
			For >100 To 250, Add	0.24	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.20	
09 91 13 00-0128	SF	1	Coat Paint, Brush/Roller Work, Paint Exterior Vinyl Siding.....	0.99	
			For Oil Based Paint, Add	0.07	
			For Work >15' To 20' Above Floor, Add	0.08	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.14	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.22	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.31	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.48	
			For >100 To 250, Add	0.24	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.20	
09 91 13 00-0129	SF	2	Coats Paint, Brush/Roller Work, Paint Exterior Vinyl Siding.....	1.85	
			For Oil Based Paint, Add	0.14	
			For Work >15' To 20' Above Floor, Add	0.15	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.25	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.40	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.55	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.88	
			For >100 To 250, Add	0.44	
			For >250 To 500, Add	0.19	
			For >2,500 To 5,000, Deduct	-0.09	
			For >5,000 To 10,000, Deduct	-0.19	
			For >10,000 To 20,000, Deduct	-0.28	
			For >20,000, Deduct	-0.37	

09 Finishes**09 90 Painting and Coating****09 91 Painting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 91 13 00-0130	SF	1 Coat Primer, Sprayed, Paint Exterior Vinyl Siding	0.92	
		For Oil Based Paint, Add	0.07	
		For Work >15' To 20' Above Floor, Add	0.06	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.10	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.16	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.21	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.37	
		For >100 To 250, Add	0.19	
		For >250 To 500, Add	0.09	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.09	
		For >10,000 To 20,000, Deduct	-0.14	
		For >20,000, Deduct	-0.18	
09 91 13 00-0131	SF	1 Coat Paint, Sprayed, Paint Exterior Vinyl Siding	1.08	
		For Oil Based Paint, Add	0.09	
		For Work >15' To 20' Above Floor, Add	0.06	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.10	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.16	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.21	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.40	
		For >100 To 250, Add	0.21	
		For >250 To 500, Add	0.09	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.11	
		For >10,000 To 20,000, Deduct	-0.16	
		For >20,000, Deduct	-0.22	
09 91 13 00-0132	SF	2 Coats Paint, Sprayed, Paint Exterior Vinyl Siding	2.11	
		For Oil Based Paint, Add	0.17	
		For Work >15' To 20' Above Floor, Add	0.12	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.20	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.31	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.43	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.78	
		For >100 To 250, Add	0.41	
		For >250 To 500, Add	0.18	
		For >2,500 To 5,000, Deduct	-0.11	
		For >5,000 To 10,000, Deduct	-0.21	
		For >10,000 To 20,000, Deduct	-0.32	
		For >20,000, Deduct	-0.42	
09 91 13 00-0133	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Vinyl Siding	0.19	
		For Oil Based Paint, Add	0.01	
		For Work >15' To 20' Above Floor, Add	0.02	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.03	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.05	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.07	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.11	
		For >100 To 250, Add	0.05	
		For >250 To 500, Add	0.02	
		For >2,500 To 5,000, Deduct	-0.01	
		For >5,000 To 10,000, Deduct	-0.02	
		For >10,000 To 20,000, Deduct	-0.03	
		For >20,000, Deduct	-0.04	

09 91 13 00-0134 Paint Exterior Ceilings (09 91 13)

09 91 13 00-0135 Paint Exterior Concrete Ceilings (09 91 13 00-0134)

09 91 13 00-0136	SF	1 Coat Filler, Brush Work, Paint Exterior Concrete Ceiling	1.05	
		For Oil Based Paint, Add	0.07	
		For Epoxy Paint, Add	0.13	
		For Work >15' To 20' Above Floor, Add	0.12	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.20	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.31	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.43	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.63	
		For >100 To 250, Add	0.30	
		For >250 To 500, Add	0.13	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.11	
		For >10,000 To 20,000, Deduct	-0.16	
		For >20,000, Deduct	-0.21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
09 91 13 00-0137	SF		1 Coat Paint, Brush Work, Paint Exterior Concrete Ceiling	1.11	
			For Oil Based Paint, Add	0.07	
			For Epoxy Paint, Add	0.12	
			For Work >15' To 20' Above Floor, Add	0.14	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.23	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.36	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.50	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.71	
			For >100 To 250, Add	0.34	
			For >250 To 500, Add	0.15	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.22	
09 91 13 00-0138	SF		2 Coats Paint, Brush Work, Paint Exterior Concrete Ceiling.....	2.00	
			For Oil Based Paint, Add	0.12	
			For Epoxy Paint, Add	0.23	
			For Work >15' To 20' Above Floor, Add	0.24	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.39	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.63	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.86	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.24	
			For >100 To 250, Add	0.59	
			For >250 To 500, Add	0.26	
			For >2,500 To 5,000, Deduct	-0.10	
			For >5,000 To 10,000, Deduct	-0.20	
			For >10,000 To 20,000, Deduct	-0.30	
			For >20,000, Deduct	-0.40	
09 91 13 00-0139	SF		1 Coat Filler, Brush/Roller Work, Paint Exterior Concrete Ceiling.....	0.83	
			For Oil Based Paint, Add	0.06	
			For Epoxy Paint, Add	0.12	
			For Work >15' To 20' Above Floor, Add	0.08	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.14	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.22	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.31	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.46	
			For >100 To 250, Add	0.22	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.17	
09 91 13 00-0140	SF		1 Coat Paint, Brush/Roller Work, Paint Exterior Concrete Ceiling	0.88	
			For Oil Based Paint, Add	0.05	
			For Epoxy Paint, Add	0.11	
			For Work >15' To 20' Above Floor, Add	0.10	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.17	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.27	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.37	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.53	
			For >100 To 250, Add	0.26	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.18	
09 91 13 00-0141	SF		2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Ceiling	1.67	
			For Oil Based Paint, Add	0.11	
			For Epoxy Paint, Add	0.21	
			For Work >15' To 20' Above Floor, Add	0.19	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.31	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.50	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.68	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.99	
			For >100 To 250, Add	0.48	
			For >250 To 500, Add	0.21	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.17	
			For >10,000 To 20,000, Deduct	-0.25	
			For >20,000, Deduct	-0.33	

09 Finishes**09 90 Painting and Coating****09 91 Painting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 91 13 00-0142	SF	1 Coat Filler, Sprayed, Paint Exterior Concrete Ceiling	0.71	
		For Oil Based Paint, Add	0.05	
		For Epoxy Paint, Add	0.13	
		For Work >15' To 20' Above Floor, Add	0.06	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.10	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.16	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.21	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.34	
		For >100 To 250, Add	0.17	
		For >250 To 500, Add	0.07	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.07	
		For >10,000 To 20,000, Deduct	-0.11	
		For >20,000, Deduct	-0.14	
09 91 13 00-0143	SF	1 Coat Paint, Sprayed, Paint Exterior Concrete Ceiling	0.80	
		For Oil Based Paint, Add	0.05	
		For Epoxy Paint, Add	0.12	
		For Work >15' To 20' Above Floor, Add	0.08	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.13	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.21	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.29	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.44	
		For >100 To 250, Add	0.21	
		For >250 To 500, Add	0.09	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.08	
		For >10,000 To 20,000, Deduct	-0.12	
		For >20,000, Deduct	-0.16	
09 91 13 00-0144	SF	2 Coats Paint, Sprayed, Paint Exterior Concrete Ceiling	1.31	
		For Oil Based Paint, Add	0.09	
		For Epoxy Paint, Add	0.22	
		For Work >15' To 20' Above Floor, Add	0.12	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.20	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.31	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.43	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.66	
		For >100 To 250, Add	0.33	
		For >250 To 500, Add	0.14	
		For >2,500 To 5,000, Deduct	-0.07	
		For >5,000 To 10,000, Deduct	-0.13	
		For >10,000 To 20,000, Deduct	-0.20	
		For >20,000, Deduct	-0.26	
09 91 13 00-0145	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Concrete Ceiling	0.19	
		For Oil Based Paint, Add	0.01	
		For Epoxy Paint, Add	0.02	
		For Work >15' To 20' Above Floor, Add	0.02	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.04	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.06	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.08	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.12	
		For >100 To 250, Add	0.06	
		For >250 To 500, Add	0.02	
		For >2,500 To 5,000, Deduct	-0.01	
		For >5,000 To 10,000, Deduct	-0.02	
		For >10,000 To 20,000, Deduct	-0.03	
		For >20,000, Deduct	-0.04	

09 91 13 00-0146 Drywall/Plaster (09 91 13 00-0134)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0147	SF	1	Coat Primer, Brush Work, Paint Exterior Drywall/Plaster Ceiling.....	1.06	
			For Oil Based Paint, Add	0.07	
			For Orange Peel Finish, Add	0.14	
			For Epoxy Paint, Add	0.13	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.20	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.32	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.43	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.63	
			For >100 To 250, Add	0.30	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.16	
			For >20,000, Deduct	-0.21	
			For Epoxy Paint, Add	0.13	
09 91 13 00-0148	SF	1	Coat Paint, Brush Work, Paint Exterior Drywall/Plaster Ceiling.....	1.11	
			For Oil Based Paint, Add	0.07	
			For Orange Peel Finish, Add	0.15	
			For Epoxy Paint, Add	0.12	
			For Work >15' To 20' Above Floor, Add	0.14	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.23	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.36	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.50	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.71	
			For >100 To 250, Add	0.34	
			For >250 To 500, Add	0.15	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.22	
			For Epoxy Paint, Add	0.12	
09 91 13 00-0149	SF	2	Coats Paint, Brush Work, Paint Exterior Drywall/Plaster Ceiling.....	2.00	
			For Oil Based Paint, Add	0.12	
			For Orange Peel Finish, Add	0.27	
			For Epoxy Paint, Add	0.23	
			For Work >15' To 20' Above Floor, Add	0.24	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.39	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.63	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.86	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.24	
			For >100 To 250, Add	0.59	
			For >250 To 500, Add	0.26	
			For >2,500 To 5,000, Deduct	-0.10	
			For >5,000 To 10,000, Deduct	-0.20	
			For >10,000 To 20,000, Deduct	-0.30	
			For >20,000, Deduct	-0.40	
			For Epoxy Paint, Add	0.23	
09 91 13 00-0150	SF	1	Coat Primer, Brush/Roller Work, Paint Exterior Drywall/Plaster Ceiling.....	0.82	
			For Oil Based Paint, Add	0.05	
			For Orange Peel Finish, Add	0.11	
			For Epoxy Paint, Add	0.12	
			For Work >15' To 20' Above Floor, Add	0.08	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.14	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.22	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.30	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.45	
			For >100 To 250, Add	0.22	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.16	
			For Epoxy Paint, Add	0.12	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

09 91 13 00-0151	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Drywall/Plaster Ceiling	0.88	
		For Oil Based Paint, Add	0.05	
		For Orange Peel Finish, Add	0.12	
		For Epoxy Paint, Add	0.11	
		For Work >15' To 20' Above Floor, Add	0.10	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.17	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.27	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.37	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.53	
		For >100 To 250, Add	0.26	
		For >250 To 500, Add	0.11	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.09	
		For >10,000 To 20,000, Deduct	-0.13	
		For >20,000, Deduct	-0.18	
		For Epoxy Paint, Add	0.11	
09 91 13 00-0152	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Drywall/Plaster Ceiling	1.67	
		For Oil Based Paint, Add	0.11	
		For Orange Peel Finish, Add	0.22	
		For Epoxy Paint, Add	0.21	
		For Work >15' To 20' Above Floor, Add	0.19	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.31	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.50	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.68	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.99	
		For >100 To 250, Add	0.48	
		For >250 To 500, Add	0.21	
		For >2,500 To 5,000, Deduct	-0.08	
		For >5,000 To 10,000, Deduct	-0.17	
		For >10,000 To 20,000, Deduct	-0.25	
		For >20,000, Deduct	-0.33	
		For Epoxy Paint, Add	0.21	
09 91 13 00-0153	SF	1 Coat Primer, Sprayed, Paint Exterior Drywall/Plaster Ceiling	0.71	
		For Oil Based Paint, Add	0.05	
		For Epoxy Paint, Add	0.13	
		For Work >15' To 20' Above Floor, Add	0.06	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.10	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.16	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.21	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.34	
		For >100 To 250, Add	0.17	
		For >250 To 500, Add	0.07	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.07	
		For >10,000 To 20,000, Deduct	-0.11	
		For >20,000, Deduct	-0.14	
		For Epoxy Paint, Add	0.13	
09 91 13 00-0154	SF	1 Coat Paint, Sprayed, Paint Exterior Drywall/Plaster Ceiling	0.80	
		For Oil Based Paint, Add	0.05	
		For Epoxy Paint, Add	0.12	
		For Work >15' To 20' Above Floor, Add	0.08	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.13	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.21	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.29	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.44	
		For >100 To 250, Add	0.21	
		For >250 To 500, Add	0.09	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.08	
		For >10,000 To 20,000, Deduct	-0.12	
		For >20,000, Deduct	-0.16	
		For Epoxy Paint, Add	0.12	

			Finishes	09	2
			Painting and Coating	09 90	
			Painting	09 91	
MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT		DEMOLITION
			UNIT COST		UNIT COST

09 91 13 00-0155	SF	2 Coats Paint, Sprayed, Paint Exterior Drywall/Plaster Ceiling.....	1.32		
		For Oil Based Paint, Add	0.09		
		For Epoxy Paint, Add	0.23		
		For Work >15' To 20' Above Floor, Add	0.12		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.20		
		Note: Applied only to work area above 20'.			
		For Work >30' To 40' Above Floor, Add	0.32		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.43		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.67		
		For >100 To 250, Add	0.33		
		For >250 To 500, Add	0.15		
		For >2,500 To 5,000, Deduct	-0.07		
		For >5,000 To 10,000, Deduct	-0.13		
		For >10,000 To 20,000, Deduct	-0.20		
		For >20,000, Deduct	-0.26		
		For Epoxy Paint, Add	0.23		
09 91 13 00-0156	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Drywall/Plaster Ceiling.....	0.19		
		For Oil Based Paint, Add	0.01		
		For Epoxy Paint, Add	0.02		
		For Work >15' To 20' Above Floor, Add	0.02		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.04		
		Note: Applied only to work area above 20'.			
		For Work >30' To 40' Above Floor, Add	0.06		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.08		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.12		
		For >100 To 250, Add	0.06		
		For >250 To 500, Add	0.02		
		For >2,500 To 5,000, Deduct	-0.01		
		For >5,000 To 10,000, Deduct	-0.02		
		For >10,000 To 20,000, Deduct	-0.03		
		For >20,000, Deduct	-0.04		
		For Epoxy Paint, Add	0.02		
09 91 13 00-0157		Paint Exterior Wood Ceilings (09 91 13 00-0134)			
09 91 13 00-0158		Paint Exterior Smooth Wood Ceilings (09 91 13 00-0157)			
09 91 13 00-0159	SF	1 Coat Primer, Brush Work, Paint Exterior Wood Smooth Ceiling.....	1.30		
		For Oil Based Paint, Add	0.08		
		For Work >15' To 20' Above Floor, Add	0.14		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.23		
		Note: Applied only to work area above 20'.			
		For Work >30' To 40' Above Floor, Add	0.37		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.51		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.75		
		For >100 To 250, Add	0.36		
		For >250 To 500, Add	0.16		
		For >2,500 To 5,000, Deduct	-0.07		
		For >5,000 To 10,000, Deduct	-0.13		
		For >10,000 To 20,000, Deduct	-0.20		
		For >20,000, Deduct	-0.26		
09 91 13 00-0160	SF	1 Coat Paint, Brush Work, Paint Exterior Wood Smooth Ceiling.....	1.33		
		For Oil Based Paint, Add	0.08		
		For Work >15' To 20' Above Floor, Add	0.15		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.25		
		Note: Applied only to work area above 20'.			
		For Work >30' To 40' Above Floor, Add	0.40		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.56		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.81		
		For >100 To 250, Add	0.39		
		For >250 To 500, Add	0.17		
		For >2,500 To 5,000, Deduct	-0.07		
		For >5,000 To 10,000, Deduct	-0.13		
		For >10,000 To 20,000, Deduct	-0.20		
		For >20,000, Deduct	-0.27		

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

09 91 13 00-0161	SF	2 Coats Paint, Brush Work, Paint Exterior Wood Smooth Ceiling.....	2.44	
		For Oil Based Paint, Add	0.15	
		For Work >15' To 20' Above Floor, Add	0.27	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.45	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.72	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.99	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.45	
		For >100 To 250, Add	0.69	
		For >250 To 500, Add	0.30	
		For >2,500 To 5,000, Deduct	-0.12	
		For >5,000 To 10,000, Deduct	-0.24	
		For >10,000 To 20,000, Deduct	-0.37	
		For >20,000, Deduct	-0.49	
09 91 13 00-0162	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Smooth Wood Ceiling.....	1.11	
		For Oil Based Paint, Add	0.08	
		For Work >15' To 20' Above Floor, Add	0.10	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.17	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.27	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.37	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.57	
		For >100 To 250, Add	0.28	
		For >250 To 500, Add	0.12	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.11	
		For >10,000 To 20,000, Deduct	-0.17	
		For >20,000, Deduct	-0.22	
09 91 13 00-0163	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Smooth Wood Ceiling.....	1.15	
		For Oil Based Paint, Add	0.08	
		For Work >15' To 20' Above Floor, Add	0.12	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.20	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.31	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.43	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.64	
		For >100 To 250, Add	0.31	
		For >250 To 500, Add	0.14	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.12	
		For >10,000 To 20,000, Deduct	-0.17	
		For >20,000, Deduct	-0.23	
09 91 13 00-0164	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Smooth Wood Ceiling.....	2.09	
		For Oil Based Paint, Add	0.14	
		For Work >15' To 20' Above Floor, Add	0.20	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.34	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.54	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.74	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.12	
		For >100 To 250, Add	0.55	
		For >250 To 500, Add	0.24	
		For >2,500 To 5,000, Deduct	-0.10	
		For >5,000 To 10,000, Deduct	-0.21	
		For >10,000 To 20,000, Deduct	-0.31	
		For >20,000, Deduct	-0.42	
09 91 13 00-0165	SF	1 Coat Primer, Sprayed, Paint Exterior Smooth Wood Ceiling.....	0.85	
		For Oil Based Paint, Add	0.06	
		For Work >15' To 20' Above Floor, Add	0.08	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.13	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.21	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.29	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.45	
		For >100 To 250, Add	0.22	
		For >250 To 500, Add	0.10	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.09	
		For >10,000 To 20,000, Deduct	-0.13	
		For >20,000, Deduct	-0.17	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0166	SF	1	Coat Paint, Sprayed, Paint Exterior Smooth Wood Ceiling.....	0.85	
			For Oil Based Paint, Add	0.06	
			For Work >15' To 20' Above Floor, Add	0.08	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.13	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.21	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.29	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.45	
			For >100 To 250, Add	0.22	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.17	
09 91 13 00-0167	SF	2	Coats Paint, Sprayed, Paint Exterior Smooth Wood Ceiling.....	1.56	
			For Oil Based Paint, Add	0.11	
			For Work >15' To 20' Above Floor, Add	0.14	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.23	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.37	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.51	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.79	
			For >100 To 250, Add	0.39	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.16	
			For >10,000 To 20,000, Deduct	-0.23	
			For >20,000, Deduct	-0.31	
09 91 13 00-0168	LF	1	Coat Paint, Cut-in Brush Work, Paint Exterior Wood Smooth Ceiling.....	0.22	
			For Oil Based Paint, Add	0.01	
			For Work >15' To 20' Above Floor, Add	0.03	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.04	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.07	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.09	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.14	
			For >100 To 250, Add	0.06	
			For >250 To 500, Add	0.03	
			For >2,500 To 5,000, Deduct	-0.01	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 20,000, Deduct	-0.03	
			For >20,000, Deduct	-0.04	
09 91 13 00-0169			Paint Exterior Rough Wood Ceilings (09 91 13 00-0157)		
09 91 13 00-0170	SF	1	Coat Primer, Brush Work, Paint Exterior Wood Rough Ceiling.....	1.94	
			For Oil Based Paint, Add	0.12	
			For Work >15' To 20' Above Floor, Add	0.21	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.35	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.56	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.78	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.14	
			For >100 To 250, Add	0.55	
			For >250 To 500, Add	0.24	
			For >2,500 To 5,000, Deduct	-0.10	
			For >5,000 To 10,000, Deduct	-0.19	
			For >10,000 To 20,000, Deduct	-0.29	
			For >20,000, Deduct	-0.39	
09 91 13 00-0171	SF	1	Coat Paint, Brush Work, Paint Exterior Wood Rough Ceiling	1.89	
			For Oil Based Paint, Add	0.11	
			For Work >15' To 20' Above Floor, Add	0.24	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.39	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.63	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.86	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.23	
			For >100 To 250, Add	0.58	
			For >250 To 500, Add	0.25	
			For >2,500 To 5,000, Deduct	-0.09	
			For >5,000 To 10,000, Deduct	-0.19	
			For >10,000 To 20,000, Deduct	-0.28	
			For >20,000, Deduct	-0.38	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

09 91 13 00-0172	SF	2 Coats Paint, Brush Work, Paint Exterior Wood Rough Ceiling	3.34	
		For Oil Based Paint, Add	0.20	
		For Work >15' To 20' Above Floor, Add	0.41	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.68	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	1.08	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	1.49	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	2.12	
		For >100 To 250, Add	1.01	
		For >250 To 500, Add	0.44	
		For >2,500 To 5,000, Deduct	-0.17	
		For >5,000 To 10,000, Deduct	-0.33	
		For >10,000 To 20,000, Deduct	-0.50	
		For >20,000, Deduct	-0.67	
09 91 13 00-0173	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Rough Wood Ceiling.....	1.81	
		For Oil Based Paint, Add	0.13	
		For Work >15' To 20' Above Floor, Add	0.17	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.28	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.45	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.62	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.94	
		For >100 To 250, Add	0.46	
		For >250 To 500, Add	0.20	
		For >2,500 To 5,000, Deduct	-0.09	
		For >5,000 To 10,000, Deduct	-0.18	
		For >10,000 To 20,000, Deduct	-0.27	
		For >20,000, Deduct	-0.36	
09 91 13 00-0174	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Rough Wood Ceiling.....	1.92	
		For Oil Based Paint, Add	0.13	
		For Work >15' To 20' Above Floor, Add	0.18	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.31	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.49	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.68	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.03	
		For >100 To 250, Add	0.50	
		For >250 To 500, Add	0.22	
		For >2,500 To 5,000, Deduct	-0.10	
		For >5,000 To 10,000, Deduct	-0.19	
		For >10,000 To 20,000, Deduct	-0.29	
		For >20,000, Deduct	-0.38	
09 91 13 00-0175	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Rough Wood Ceiling.....	3.50	
		For Oil Based Paint, Add	0.24	
		For Work >15' To 20' Above Floor, Add	0.32	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.53	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.85	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	1.17	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.80	
		For >100 To 250, Add	0.88	
		For >250 To 500, Add	0.39	
		For >2,500 To 5,000, Deduct	-0.18	
		For >5,000 To 10,000, Deduct	-0.35	
		For >10,000 To 20,000, Deduct	-0.53	
		For >20,000, Deduct	-0.70	
09 91 13 00-0176	SF	1 Coat Primer, Sprayed, Paint Exterior Rough Wood Ceiling	1.36	
		For Oil Based Paint, Add	0.10	
		For Work >15' To 20' Above Floor, Add	0.12	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.20	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.31	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.43	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.67	
		For >100 To 250, Add	0.33	
		For >250 To 500, Add	0.15	
		For >2,500 To 5,000, Deduct	-0.07	
		For >5,000 To 10,000, Deduct	-0.14	
		For >10,000 To 20,000, Deduct	-0.20	
		For >20,000, Deduct	-0.27	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
09 91 13 00-0177	SF		1 Coat Paint, Sprayed, Paint Exterior Rough Wood Ceiling	1.49	
			For Oil Based Paint, Add	0.10	
			For Work >15' To 20' Above Floor, Add	0.14	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.23	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.36	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.50	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.77	
			For >100 To 250, Add	0.38	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.15	
			For >10,000 To 20,000, Deduct	-0.22	
			For >20,000, Deduct	-0.30	
09 91 13 00-0178	SF		2 Coats Paint, Sprayed, Paint Exterior Rough Wood Ceiling	2.74	
			For Oil Based Paint, Add	0.20	
			For Work >15' To 20' Above Floor, Add	0.24	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.39	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.63	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.86	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.35	
			For >100 To 250, Add	0.67	
			For >250 To 500, Add	0.29	
			For >2,500 To 5,000, Deduct	-0.14	
			For >5,000 To 10,000, Deduct	-0.27	
			For >10,000 To 20,000, Deduct	-0.41	
			For >20,000, Deduct	-0.55	
09 91 13 00-0179			Paint Exterior Metal Ceilings (09 91 13 00-0134)		
09 91 13 00-0180			Paint Exterior Galvanized Ceilings (09 91 13 00-0179)		
			Note: Linseed oil or acrylic latex paint.		
09 91 13 00-0181	SF		1 Coat Primer, Brush Work, Paint Exterior Galvanized Ceiling	1.30	
			For Work >15' To 20' Above Floor, Add	0.13	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.22	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.36	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.49	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.73	
			For >100 To 250, Add	0.35	
			For >250 To 500, Add	0.15	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.20	
			For >20,000, Deduct	-0.26	
09 91 13 00-0182	SF		1 Coat Paint, Brush Work, Paint Exterior Galvanized Ceiling	1.42	
			For Work >15' To 20' Above Floor, Add	0.15	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.25	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.40	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.56	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.82	
			For >100 To 250, Add	0.39	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.14	
			For >10,000 To 20,000, Deduct	-0.21	
			For >20,000, Deduct	-0.28	
09 91 13 00-0183	SF		2 Coats Paint, Brush Work, Paint Exterior Galvanized Ceiling	2.63	
			For Work >15' To 20' Above Floor, Add	0.27	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.45	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.72	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.99	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.47	
			For >100 To 250, Add	0.71	
			For >250 To 500, Add	0.31	
			For >2,500 To 5,000, Deduct	-0.13	
			For >5,000 To 10,000, Deduct	-0.26	
			For >10,000 To 20,000, Deduct	-0.39	
			For >20,000, Deduct	-0.53	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

09 91 13 00-0184	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Galvanized Ceiling	1.01	
		For Work >15' To 20' Above Floor, Add	0.10	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.17	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.27	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.37	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.55	
		For >100 To 250, Add	0.27	
		For >250 To 500, Add	0.12	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.10	
		For >10,000 To 20,000, Deduct	-0.15	
		For >20,000, Deduct	-0.20	
09 91 13 00-0185	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Galvanized Ceiling	1.12	
		For Work >15' To 20' Above Floor, Add	0.12	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.20	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.31	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.43	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.64	
		For >100 To 250, Add	0.31	
		For >250 To 500, Add	0.13	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.11	
		For >10,000 To 20,000, Deduct	-0.17	
		For >20,000, Deduct	-0.22	
09 91 13 00-0186	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Galvanized Ceiling	2.03	
		For Work >15' To 20' Above Floor, Add	0.20	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.34	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.54	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.74	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.11	
		For >100 To 250, Add	0.54	
		For >250 To 500, Add	0.24	
		For >2,500 To 5,000, Deduct	-0.10	
		For >5,000 To 10,000, Deduct	-0.20	
		For >10,000 To 20,000, Deduct	-0.30	
		For >20,000, Deduct	-0.41	
09 91 13 00-0187	SF	1 Coat Primer, Sprayed, Paint Exterior Galvanized Ceiling	1.01	
		For Work >15' To 20' Above Floor, Add	0.08	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.13	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.21	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.29	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.47	
		For >100 To 250, Add	0.23	
		For >250 To 500, Add	0.10	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.10	
		For >10,000 To 20,000, Deduct	-0.15	
		For >20,000, Deduct	-0.20	
09 91 13 00-0188	SF	1 Coat Paint, Sprayed, Paint Exterior Galvanized Ceiling	1.12	
		For Work >15' To 20' Above Floor, Add	0.10	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.16	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.26	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.35	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.55	
		For >100 To 250, Add	0.27	
		For >250 To 500, Add	0.12	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.11	
		For >10,000 To 20,000, Deduct	-0.17	
		For >20,000, Deduct	-0.22	

			Finishes	09	2
			Painting and Coating	09 90	
			Painting	09 91	
MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
			UNIT COST	UNIT COST	
09 91 13 00-0189	SF	2 Coats Paint, Sprayed, Paint Exterior Galvanized Ceiling.....	1.88		
		For Work >15' To 20' Above Floor, Add	0.14		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.23		
		Note: Applied only to work area above 20'.			
		For Work >30' To 40' Above Floor, Add	0.37		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.51		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.83		
		For >100 To 250, Add	0.42		
		For >250 To 500, Add	0.19		
		For >2,500 To 5,000, Deduct	-0.09		
		For >5,000 To 10,000, Deduct	-0.19		
		For >10,000 To 20,000, Deduct	-0.28		
		For >20,000, Deduct	-0.38		
09 91 13 00-0190		Paint Exterior Aluminum And Aluminum Alloy Ceilings (09 91 13 00-0179)			
		Note: Alkyd enamel paint.			
09 91 13 00-0191	SF	1 Coat Primer, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling.....	1.30		
		For Work >15' To 20' Above Floor, Add	0.13		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.22		
		Note: Applied only to work area above 20'.			
		For Work >30' To 40' Above Floor, Add	0.36		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.49		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.73		
		For >100 To 250, Add	0.35		
		For >250 To 500, Add	0.15		
		For >2,500 To 5,000, Deduct	-0.07		
		For >5,000 To 10,000, Deduct	-0.13		
		For >10,000 To 20,000, Deduct	-0.20		
		For >20,000, Deduct	-0.26		
09 91 13 00-0192	SF	1 Coat Paint, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling	1.42		
		For Work >15' To 20' Above Floor, Add	0.15		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.25		
		Note: Applied only to work area above 20'.			
		For Work >30' To 40' Above Floor, Add	0.40		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.56		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.82		
		For >100 To 250, Add	0.39		
		For >250 To 500, Add	0.17		
		For >2,500 To 5,000, Deduct	-0.07		
		For >5,000 To 10,000, Deduct	-0.14		
		For >10,000 To 20,000, Deduct	-0.21		
		For >20,000, Deduct	-0.28		
09 91 13 00-0193	SF	2 Coats Paint, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling	2.63		
		For Work >15' To 20' Above Floor, Add	0.27		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.45		
		Note: Applied only to work area above 20'.			
		For Work >30' To 40' Above Floor, Add	0.72		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.99		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	1.47		
		For >100 To 250, Add	0.71		
		For >250 To 500, Add	0.31		
		For >2,500 To 5,000, Deduct	-0.13		
		For >5,000 To 10,000, Deduct	-0.26		
		For >10,000 To 20,000, Deduct	-0.39		
		For >20,000, Deduct	-0.53		
09 91 13 00-0194	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling	1.15		
		For Work >15' To 20' Above Floor, Add	0.10		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.17		
		Note: Applied only to work area above 20'.			
		For Work >30' To 40' Above Floor, Add	0.27		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.37		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.57		
		For >100 To 250, Add	0.28		
		For >250 To 500, Add	0.12		
		For >2,500 To 5,000, Deduct	-0.06		
		For >5,000 To 10,000, Deduct	-0.12		
		For >10,000 To 20,000, Deduct	-0.17		
		For >20,000, Deduct	-0.23		

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

09 91 13 00-0195	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling	1.26	
		For Work >15' To 20' Above Floor, Add	0.12	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.20	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.31	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.43	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.66	
		For >100 To 250, Add	0.32	
		For >250 To 500, Add	0.14	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.13	
		For >10,000 To 20,000, Deduct	-0.19	
		For >20,000, Deduct	-0.25	
09 91 13 00-0196	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling	2.31	
		For Work >15' To 20' Above Floor, Add	0.20	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.34	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.54	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.74	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.16	
		For >100 To 250, Add	0.57	
		For >250 To 500, Add	0.25	
		For >2,500 To 5,000, Deduct	-0.12	
		For >5,000 To 10,000, Deduct	-0.23	
		For >10,000 To 20,000, Deduct	-0.35	
		For >20,000, Deduct	-0.46	
09 91 13 00-0197	SF	1 Coat Primer, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Ceiling	1.01	
		For Work >15' To 20' Above Floor, Add	0.08	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.13	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.21	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.29	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.47	
		For >100 To 250, Add	0.23	
		For >250 To 500, Add	0.10	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.10	
		For >10,000 To 20,000, Deduct	-0.15	
		For >20,000, Deduct	-0.20	
09 91 13 00-0198	SF	1 Coat Paint, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Ceiling	1.01	
		For Work >15' To 20' Above Floor, Add	0.08	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.13	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.21	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.29	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.47	
		For >100 To 250, Add	0.23	
		For >250 To 500, Add	0.10	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.10	
		For >10,000 To 20,000, Deduct	-0.15	
		For >20,000, Deduct	-0.20	
09 91 13 00-0199	SF	2 Coats Paint, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Ceiling	1.88	
		For Work >15' To 20' Above Floor, Add	0.14	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.23	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.37	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.51	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.83	
		For >100 To 250, Add	0.42	
		For >250 To 500, Add	0.19	
		For >2,500 To 5,000, Deduct	-0.09	
		For >5,000 To 10,000, Deduct	-0.19	
		For >10,000 To 20,000, Deduct	-0.28	
		For >20,000, Deduct	-0.38	

09 91 13 00-0200 Paint Exterior Corrugated Metal Ceilings (09 91 13 00-0179)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST

09 91 13 00-0201	SF	1	Coat Primer, Sprayed, Paint Exterior Corrugated Metal Ceiling	1.11	
			For Work >15' To 20' Above Floor, Add	0.08	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.14	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.22	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.31	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.50	
			For >100 To 250, Add	0.25	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.22	
09 91 13 00-0202	SF	1	Coat Paint, Sprayed, Paint Exterior Corrugated Metal Ceiling.....	1.25	
			For Work >15' To 20' Above Floor, Add	0.11	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.18	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.28	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.39	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.61	
			For >100 To 250, Add	0.30	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.19	
			For >20,000, Deduct	-0.25	
09 91 13 00-0203	SF	2	Coats Paint, Sprayed, Paint Exterior Corrugated Metal Ceiling	2.30	
			For Work >15' To 20' Above Floor, Add	0.18	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.30	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.48	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.66	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.07	
			For >100 To 250, Add	0.53	
			For >250 To 500, Add	0.24	
			For >2,500 To 5,000, Deduct	-0.12	
			For >5,000 To 10,000, Deduct	-0.23	
			For >10,000 To 20,000, Deduct	-0.35	
			For >20,000, Deduct	-0.46	
09 91 13 00-0204			Paint Exterior Floors (09 91 13)		
09 91 13 00-0205			Paint Exterior Concrete Floors (09 91 13 00-0204)		
09 91 13 00-0206	SF	1	Coat Primer, Brush Work, Paint Exterior Concrete Floors And Decks	0.83	
			For Oil Based Paint, Add	0.06	
			For Epoxy Paint, Add	0.12	
			For Up To 100, Add	0.46	
			For >100 To 250, Add	0.22	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.17	
09 91 13 00-0207	SF	1	Coat Paint, Brush Work, Paint Exterior Concrete Floors And Decks	0.88	
			For Oil Based Paint, Add	0.05	
			For Epoxy Paint, Add	0.11	
			For Up To 100, Add	0.53	
			For >100 To 250, Add	0.26	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.18	
09 91 13 00-0208	SF	2	Coats Paint, Brush Work, Paint Exterior Concrete Floors And Decks	1.67	
			For Oil Based Paint, Add	0.11	
			For Epoxy Paint, Add	0.21	
			For Up To 100, Add	0.99	
			For >100 To 250, Add	0.48	
			For >250 To 500, Add	0.21	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.17	
			For >10,000 To 20,000, Deduct	-0.25	
			For >20,000, Deduct	-0.33	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

09 91 13 00-0209	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Concrete Floors And Decks.....	0.71	
		For Oil Based Paint, Add	0.05	
		For Epoxy Paint, Add	0.12	
		For Up To 100, Add	0.37	
		For >100 To 250, Add	0.18	
		For >250 To 500, Add	0.08	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.07	
		For >10,000 To 20,000, Deduct	-0.11	
		For >20,000, Deduct	-0.14	
09 91 13 00-0210	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Concrete Floors And Decks.....	0.77	
		For Oil Based Paint, Add	0.05	
		For Epoxy Paint, Add	0.10	
		For Up To 100, Add	0.45	
		For >100 To 250, Add	0.22	
		For >250 To 500, Add	0.09	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.08	
		For >10,000 To 20,000, Deduct	-0.12	
		For >20,000, Deduct	-0.15	
09 91 13 00-0211	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Floors And Decks.....	1.30	
		For Oil Based Paint, Add	0.09	
		For Epoxy Paint, Add	0.19	
		For Up To 100, Add	0.72	
		For >100 To 250, Add	0.35	
		For >250 To 500, Add	0.15	
		For >2,500 To 5,000, Deduct	-0.07	
		For >5,000 To 10,000, Deduct	-0.13	
		For >10,000 To 20,000, Deduct	-0.20	
		For >20,000, Deduct	-0.26	
09 91 13 00-0212	SF	1 Coat Primer, Sprayed, Paint Exterior Concrete Floors And Decks.....	0.58	
		For Oil Based Paint, Add	0.05	
		For Epoxy Paint, Add	0.13	
		For Up To 100, Add	0.24	
		For >100 To 250, Add	0.12	
		For >250 To 500, Add	0.06	
		For >2,500 To 5,000, Deduct	-0.03	
		For >5,000 To 10,000, Deduct	-0.06	
		For >10,000 To 20,000, Deduct	-0.09	
		For >20,000, Deduct	-0.12	
09 91 13 00-0213	SF	1 Coat Paint, Sprayed, Paint Exterior Concrete Floors And Decks.....	0.66	
		For Oil Based Paint, Add	0.05	
		For Epoxy Paint, Add	0.11	
		For Up To 100, Add	0.33	
		For >100 To 250, Add	0.16	
		For >250 To 500, Add	0.07	
		For >2,500 To 5,000, Deduct	-0.03	
		For >5,000 To 10,000, Deduct	-0.07	
		For >10,000 To 20,000, Deduct	-0.10	
		For >20,000, Deduct	-0.13	
09 91 13 00-0214	SF	2 Coats Paint, Sprayed, Paint Exterior Concrete Floors And Decks.....	1.18	
		For Oil Based Paint, Add	0.09	
		For Epoxy Paint, Add	0.22	
		For Up To 100, Add	0.57	
		For >100 To 250, Add	0.28	
		For >250 To 500, Add	0.12	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.12	
		For >10,000 To 20,000, Deduct	-0.18	
		For >20,000, Deduct	-0.24	
09 91 13 00-0215	SF	1 Coat Non-Slip Paint, Brush/Roller Work, Paint Exterior Concrete Floors And Decks.....	2.20	
		For Up To 100, Add	0.67	
		For >100 To 250, Add	0.36	
		For >250 To 500, Add	0.17	
		For >2,500 To 5,000, Deduct	-0.11	
		For >5,000 To 10,000, Deduct	-0.22	
		For >10,000 To 20,000, Deduct	-0.33	
		For >20,000, Deduct	-0.44	
09 91 13 00-0216	SF	1 Coat Anti-Slip Paint, Single Component Epoxy Coating, Brush/Roller Work, Paint Exterior Concrete Floors And Decks.....	5.37	
		For Up To 100, Add	1.14	
		For >100 To 250, Add	0.68	
		For >250 To 500, Add	0.32	
		For >2,500 To 5,000, Deduct	-0.27	
		For >5,000 To 10,000, Deduct	-0.54	
		For >10,000 To 20,000, Deduct	-0.81	
		For >20,000, Deduct	-1.07	
09 91 13 00-0217	SF	1 Coat Anti-Slip Paint, High Performance Epoxy Coating, Brush/Roller Work, Paint Exterior Concrete Floors And Decks.....	6.69	
		For Up To 100, Add	1.34	
		For >100 To 250, Add	0.81	
		For >250 To 500, Add	0.39	
		For >2,500 To 5,000, Deduct	-0.33	
		For >5,000 To 10,000, Deduct	-0.67	
		For >10,000 To 20,000, Deduct	-1.00	
		For >20,000, Deduct	-1.34	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0218	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Concrete Floors And Decks.....	0.15	
		For Up To 100, Add	0.09	
		For >100 To 250, Add	0.04	
		For >250 To 500, Add	0.02	
		For >2,500 To 5,000, Deduct	-0.01	
		For >5,000 To 10,000, Deduct	-0.02	
		For >10,000 To 20,000, Deduct	-0.02	
		For >20,000, Deduct	-0.03	
09 91 13 00-0219		Paint Exterior Wood Floors (09 91 13 00-0204)		
09 91 13 00-0220	SF	1 Coat Primer, Brush Work, Paint Exterior Wood Floors And Decks	1.05	
		For Oil Based Paint, Add	0.07	
		For Up To 100, Add	0.57	
		For >100 To 250, Add	0.28	
		For >250 To 500, Add	0.12	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.11	
		For >10,000 To 20,000, Deduct	-0.16	
		For >20,000, Deduct	-0.21	
09 91 13 00-0221	SF	1 Coat Paint, Brush Work, Paint Exterior Wood Floors And Decks	1.10	
		For Oil Based Paint, Add	0.07	
		For Up To 100, Add	0.63	
		For >100 To 250, Add	0.31	
		For >250 To 500, Add	0.13	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.11	
		For >10,000 To 20,000, Deduct	-0.17	
		For >20,000, Deduct	-0.22	
09 91 13 00-0222	SF	2 Coats Paint, Brush Work, Paint Exterior Wood Floors And Decks.....	2.09	
		For Oil Based Paint, Add	0.14	
		For Up To 100, Add	1.18	
		For >100 To 250, Add	0.57	
		For >250 To 500, Add	0.25	
		For >2,500 To 5,000, Deduct	-0.10	
		For >5,000 To 10,000, Deduct	-0.21	
		For >10,000 To 20,000, Deduct	-0.31	
		For >20,000, Deduct	-0.42	
09 91 13 00-0223	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Floors And Decks.....	1.00	
		For Oil Based Paint, Add	0.07	
		For Up To 100, Add	0.49	
		For >100 To 250, Add	0.24	
		For >250 To 500, Add	0.11	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.10	
		For >10,000 To 20,000, Deduct	-0.15	
		For >20,000, Deduct	-0.20	
09 91 13 00-0224	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Floors And Decks	1.04	
		For Oil Based Paint, Add	0.07	
		For Up To 100, Add	0.56	
		For >100 To 250, Add	0.27	
		For >250 To 500, Add	0.12	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.10	
		For >10,000 To 20,000, Deduct	-0.16	
		For >20,000, Deduct	-0.21	
09 91 13 00-0225	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Floors And Decks	1.75	
		For Oil Based Paint, Add	0.12	
		For Up To 100, Add	0.87	
		For >100 To 250, Add	0.43	
		For >250 To 500, Add	0.19	
		For >2,500 To 5,000, Deduct	-0.09	
		For >5,000 To 10,000, Deduct	-0.18	
		For >10,000 To 20,000, Deduct	-0.26	
		For >20,000, Deduct	-0.35	
09 91 13 00-0226	SF	1 Coat Primer, Sprayed, Paint Exterior Wood Floors And Decks	0.71	
		For Oil Based Paint, Add	0.05	
		For Up To 100, Add	0.34	
		For >100 To 250, Add	0.17	
		For >250 To 500, Add	0.07	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.07	
		For >10,000 To 20,000, Deduct	-0.11	
		For >20,000, Deduct	-0.14	
09 91 13 00-0227	SF	1 Coat Paint, Sprayed, Paint Exterior Wood Floors And Decks.....	0.85	
		For Oil Based Paint, Add	0.06	
		For Up To 100, Add	0.45	
		For >100 To 250, Add	0.22	
		For >250 To 500, Add	0.10	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.09	
		For >10,000 To 20,000, Deduct	-0.13	
		For >20,000, Deduct	-0.17	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

09 91 13 00-0228	SF	2 Coats Paint, Sprayed, Paint Exterior Wood Floors And Decks	1.42
		<i>For Oil Based Paint, Add</i>	0.10
		<i>For Up To 100, Add</i>	0.68
		<i>For >100 To 250, Add</i>	0.34
		<i>For >250 To 500, Add</i>	0.15
		<i>For >2,500 To 5,000, Deduct</i>	-0.07
		<i>For >5,000 To 10,000, Deduct</i>	-0.14
		<i>For >10,000 To 20,000, Deduct</i>	-0.21
		<i>For >20,000, Deduct</i>	-0.28
09 91 13 00-0229	SF	1 Coat Non-Slip Paint, Brush Work, Paint Exterior Wood Floors And Decks	2.32
		<i>For Up To 100, Add</i>	0.76
		<i>For >100 To 250, Add</i>	0.40
		<i>For >250 To 500, Add</i>	0.18
		<i>For >2,500 To 5,000, Deduct</i>	-0.12
		<i>For >5,000 To 10,000, Deduct</i>	-0.23
		<i>For >10,000 To 20,000, Deduct</i>	-0.35
		<i>For >20,000, Deduct</i>	-0.46
09 91 13 00-0230	SF	1 Coat Non-Slip Epoxy Paint, Brush Work, Paint Exterior Wood Floors And Decks	6.81
		<i>For Up To 100, Add</i>	1.43
		<i>For >100 To 250, Add</i>	0.85
		<i>For >250 To 500, Add</i>	0.41
		<i>For >2,500 To 5,000, Deduct</i>	-0.34
		<i>For >5,000 To 10,000, Deduct</i>	-0.68
		<i>For >10,000 To 20,000, Deduct</i>	-1.02
		<i>For >20,000, Deduct</i>	-1.36
09 91 13 00-0231	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Wood Floors And Decks	0.18
		<i>For Up To 100, Add</i>	0.11
		<i>For >100 To 250, Add</i>	0.05
		<i>For >250 To 500, Add</i>	0.02
		<i>For >2,500 To 5,000, Deduct</i>	-0.01
		<i>For >5,000 To 10,000, Deduct</i>	-0.02
		<i>For >10,000 To 20,000, Deduct</i>	-0.03
		<i>For >20,000, Deduct</i>	-0.04

09 91 13 00-0232 Paint Exterior Doors And Windows (09 91 13)**09 91 13 00-0233 Paint Exterior Door Frames** (09 91 13 00-0232)

09 91 13 00-0234	LF	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Door Frame And Trim	1.27
		<i>For Painting Either Interior Or Exterior Only, Deduct</i>	-0.35
09 91 13 00-0235	LF	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Door Frame And Trim	1.63
		<i>For Painting Either Interior Or Exterior Only, Deduct</i>	-0.44
09 91 13 00-0236	LF	2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Door Frame And Trim	2.74
		<i>For Painting Either Interior Or Exterior Only, Deduct</i>	-0.73
09 91 13 00-0237	LF	1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Door Frame And Trim	1.27
		<i>For Painting Either Interior Or Exterior Only, Deduct</i>	-0.35
09 91 13 00-0238	LF	1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Door Frame And Trim	1.63
		<i>For Painting Either Interior Or Exterior Only, Deduct</i>	-0.44
09 91 13 00-0239	LF	2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Door Frame And Trim	2.74
		<i>For Painting Either Interior Or Exterior Only, Deduct</i>	-0.73

09 91 13 00-0240 Paint Exterior Metal Doors (09 91 13 00-0232)

09 91 13 00-0241	EA	1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Door	60.88
		Note: One face	
		<i>For Half Louvered Door, Add</i>	4.88
		<i>For Full Louvered Door, Add</i>	8.13
		<i>For Electrostatic Painting, Add</i>	10.34
		<i>For >5 To 10, Deduct</i>	-3.04
		<i>For >10 To 25, Deduct</i>	-6.09
		<i>For >25, Deduct</i>	-9.13
09 91 13 00-0242	EA	1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Door	60.88
		Note: One face	
		<i>For Half Louvered Door, Add</i>	4.88
		<i>For Full Louvered Door, Add</i>	8.13
		<i>For Electrostatic Painting, Add</i>	10.34
		<i>For >5 To 10, Deduct</i>	-3.04
		<i>For >10 To 25, Deduct</i>	-6.09
		<i>For >25, Deduct</i>	-9.13
09 91 13 00-0243	EA	2 Coat Paint, Brush/Roller Work, Paint Exterior Metal Door	111.28
		Note: One face	
		<i>For Half Louvered Door, Add</i>	8.24
		<i>For Full Louvered Door, Add</i>	13.74
		<i>For Electrostatic Painting, Add</i>	19.58
		<i>For >5 To 10, Deduct</i>	-5.56
		<i>For >10 To 25, Deduct</i>	-11.13
		<i>For >25, Deduct</i>	-16.69
09 91 13 00-0244	EA	1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Door	109.27
		Note: Both faces	
		<i>For Half Louvered Door, Add</i>	8.75
		<i>For Full Louvered Door, Add</i>	14.58
		<i>For Electrostatic Painting, Add</i>	18.57
		<i>For >5 To 10, Deduct</i>	-5.46
		<i>For >10 To 25, Deduct</i>	-10.93
		<i>For >25, Deduct</i>	-16.39

			Finishes	09	9
			Painting and Coating	09 90	
			Painting	09 91	
MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
			UNIT COST	UNIT COST	
09 91 13 00-0245	EA	1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Door	109.27		
		Note: Both faces			
		For Half Louvered Door, Add	8.75		
		For Full Louvered Door, Add	14.58		
		For Electrostatic Painting, Add	18.57		
		For >5 To 10, Deduct	-5.46		
		For >10 To 25, Deduct	-10.93		
		For >25, Deduct	-16.39		
09 91 13 00-0246	EA	2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Door	200.56		
		Note: Both faces			
		For Half Louvered Door, Add	14.80		
		For Full Louvered Door, Add	24.67		
		For Electrostatic Painting, Add	35.34		
		For >5 To 10, Deduct	-10.03		
		For >10 To 25, Deduct	-20.06		
		For >25, Deduct	-30.08		
09 91 13 00-0247	EA	1 Coat Primer, Sprayed, Paint Exterior Metal Door	56.45		
		Note: One face			
		For Half Louvered Door, Add	3.79		
		For Full Louvered Door, Add	6.32		
		For Electrostatic Painting, Add	10.32		
		For >5 To 10, Deduct	-2.82		
		For >10 To 25, Deduct	-5.65		
		For >25, Deduct	-8.47		
09 91 13 00-0248	EA	1 Coat Paint, Sprayed, Paint Exterior Metal Door	56.45		
		Note: One face			
		For Half Louvered Door, Add	3.79		
		For Full Louvered Door, Add	6.32		
		For Electrostatic Painting, Add	10.32		
		For >5 To 10, Deduct	-2.82		
		For >10 To 25, Deduct	-5.65		
		For >25, Deduct	-8.47		
09 91 13 00-0249	EA	2 Coats Paint, Sprayed, Paint Exterior Metal Door	104.63		
		Note: One face			
		For Half Louvered Door, Add	6.40		
		For Full Louvered Door, Add	10.66		
		For Electrostatic Painting, Add	19.76		
		For >5 To 10, Deduct	-5.23		
		For >10 To 25, Deduct	-10.46		
		For >25, Deduct	-15.69		
09 91 13 00-0250	EA	1 Coat Primer, Sprayed, Paint Exterior Metal Door	101.32		
		Note: Both faces			
		For Half Louvered Door, Add	6.79		
		For Full Louvered Door, Add	11.32		
		For Electrostatic Painting, Add	18.54		
		For >5 To 10, Deduct	-5.07		
		For >10 To 25, Deduct	-10.13		
		For >25, Deduct	-15.20		
09 91 13 00-0251	EA	1 Coat Paint, Sprayed, Paint Exterior Metal Door	101.32		
		Note: Both faces			
		For Half Louvered Door, Add	6.79		
		For Full Louvered Door, Add	11.32		
		For Electrostatic Painting, Add	18.54		
		For >5 To 10, Deduct	-5.07		
		For >10 To 25, Deduct	-10.13		
		For >25, Deduct	-15.20		
09 91 13 00-0252	EA	2 Coats Paint, Sprayed, Paint Exterior Metal Door	188.71		
		Note: Both faces			
		For Half Louvered Door, Add	11.49		
		For Full Louvered Door, Add	19.16		
		For Electrostatic Painting, Add	35.68		
		For >5 To 10, Deduct	-9.44		
		For >10 To 25, Deduct	-18.87		
		For >25, Deduct	-28.31		
09 91 13 00-0253	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door	2.70		
		For Electrostatic Painting, Add	0.34		
09 91 13 00-0254	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door	2.88		
		For Electrostatic Painting, Add	0.39		
09 91 13 00-0255	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Overhead, Section Door, Or Roll Up Door	5.88		
		For Electrostatic Painting, Add	0.77		
09 91 13 00-0256	SF	1 Coat Primer, Sprayed, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door	2.85		
		For Electrostatic Painting, Add	0.36		
09 91 13 00-0257	SF	1 Coat Paint, Sprayed, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door	3.03		
		For Electrostatic Painting, Add	0.40		
09 91 13 00-0258	SF	2 Coats Paint, Sprayed, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door	5.87		
		For Electrostatic Painting, Add	0.78		
09 91 13 00-0259 Paint Exterior Wood Doors (09 91 13 00-0232)					
09 91 13 00-0260	EA	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Door	57.66		
		Note: One face			
		For Half Louvered Door, Add	4.88		
		For Full Louvered Door, Add	8.13		
		For >5 To 10, Deduct	-2.88		
		For >10 To 25, Deduct	-5.77		
		For >25, Deduct	-8.65		

09 Finishes**09 90 Painting and Coating****09 91 Painting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 91 13 00-0261	EA	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Door.....	57.66	
		Note: One face		
		For Half Louvered Door, Add	4.88	
		For Full Louvered Door, Add	8.13	
		For >5 To 10, Deduct	-2.88	
		For >10 To 25, Deduct	-5.77	
		For >25, Deduct	-8.65	
09 91 13 00-0262	EA	2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Door.....	104.89	
		Note: One face		
		For Half Louvered Door, Add	8.24	
		For Full Louvered Door, Add	13.74	
		For >5 To 10, Deduct	-5.24	
		For >10 To 25, Deduct	-10.49	
		For >25, Deduct	-15.73	
09 91 13 00-0263	EA	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Door	103.49	
		Note: Both faces		
		For Half Louvered Door, Add	8.75	
		For Full Louvered Door, Add	14.58	
		For >5 To 10, Deduct	-5.17	
		For >10 To 25, Deduct	-10.35	
		For >25, Deduct	-15.52	
09 91 13 00-0264	EA	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Door.....	103.49	
		Note: Both faces		
		For Half Louvered Door, Add	8.75	
		For Full Louvered Door, Add	14.58	
		For >5 To 10, Deduct	-5.17	
		For >10 To 25, Deduct	-10.35	
		For >25, Deduct	-15.52	
09 91 13 00-0265	EA	2 Coats Paint, Brush Roller Work, Paint Exterior Wood Door.....	188.99	
		Note: Both faces		
		For Half Louvered Door, Add	14.80	
		For Full Louvered Door, Add	24.67	
		For >5 To 10, Deduct	-9.45	
		For >10 To 25, Deduct	-18.90	
		For >25, Deduct	-28.35	
09 91 13 00-0266	EA	1 Coat Primer, Sprayed, Paint Exterior Wood Door	52.91	
		Note: One face		
		For Half Louvered Door, Add	3.79	
		For Full Louvered Door, Add	6.32	
		For >5 To 10, Deduct	-2.65	
		For >10 To 25, Deduct	-5.29	
		For >25, Deduct	-7.94	
09 91 13 00-0267	EA	1 Coat Paint, Sprayed, Paint Exterior Wood Door	52.91	
		Note: One face		
		For Half Louvered Door, Add	3.79	
		For Full Louvered Door, Add	6.32	
		For >5 To 10, Deduct	-2.65	
		For >10 To 25, Deduct	-5.29	
		For >25, Deduct	-7.94	
09 91 13 00-0268	EA	2 Coats Paint, Sprayed, Paint Exterior Wood Door	97.61	
		Note: One face		
		For Half Louvered Door, Add	6.40	
		For Full Louvered Door, Add	10.67	
		For >5 To 10, Deduct	-4.88	
		For >10 To 25, Deduct	-9.76	
		For >25, Deduct	-14.64	
09 91 13 00-0269	EA	1 Coat Primer, Sprayed, Paint Exterior Wood Door	94.96	
		Note: Both faces		
		For Half Louvered Door, Add	6.79	
		For Full Louvered Door, Add	11.32	
		For >5 To 10, Deduct	-4.75	
		For >10 To 25, Deduct	-9.50	
		For >25, Deduct	-14.24	
09 91 13 00-0270	EA	1 Coat Paint, Sprayed, Paint Exterior Wood Door	94.96	
		Note: Both faces		
		For Half Louvered Door, Add	6.79	
		For Full Louvered Door, Add	11.32	
		For >5 To 10, Deduct	-4.75	
		For >10 To 25, Deduct	-9.50	
		For >25, Deduct	-14.24	
09 91 13 00-0271	EA	2 Coats Paint, Sprayed, Paint Exterior Wood Door	175.98	
		Note: Both faces		
		For Half Louvered Door, Add	11.49	
		For Full Louvered Door, Add	19.16	
		For >5 To 10, Deduct	-8.80	
		For >10 To 25, Deduct	-17.60	
		For >25, Deduct	-26.40	
09 91 13 00-0272	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door	2.67	
09 91 13 00-0273	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door	2.80	
09 91 13 00-0274	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door	5.74	
09 91 13 00-0275	SF	1 Coat Primer, Sprayed, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door	2.80	
09 91 13 00-0276	SF	1 Coat Paint, Sprayed, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door	2.95	
09 91 13 00-0277	SF	2 Coats Paint, Sprayed, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door	5.73	

09 91 13 00-0278 Paint Exterior Metal Windows (09 91 13 00-0232)
 Note: Two finish coats paint over rust inhibitive primer.

		Finishes	09	9
		Painting and Coating	09 90	
		Painting	09 91	
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
		UNIT COST	UNIT COST	

09 91 13 00-0279	EA	Up To 8 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim	91.74	
		For Electrostatic Painting, Add	12.00	
		For >5 To 10, Deduct	-4.59	
		For >10 To 25, Deduct	-9.17	
		For >25, Deduct	-13.76	
09 91 13 00-0280	EA	>8 To 14 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim	113.22	
		For Electrostatic Painting, Add	15.69	
		For >5 To 10, Deduct	-5.66	
		For >10 To 25, Deduct	-11.32	
		For >25, Deduct	-16.98	
09 91 13 00-0281	EA	>14 To 20 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim	153.48	
		For Electrostatic Painting, Add	21.55	
		For >5 To 10, Deduct	-7.67	
		For >10 To 25, Deduct	-15.35	
		For >25, Deduct	-23.02	
09 91 13 00-0282	EA	>20 To 26 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim	172.91	
		For Electrostatic Painting, Add	24.30	
		For >5 To 10, Deduct	-8.65	
		For >10 To 25, Deduct	-17.29	
		For >25, Deduct	-25.94	
09 91 13 00-0283	EA	>26 To 34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim	191.60	
		For Electrostatic Painting, Add	26.87	
		For >5 To 10, Deduct	-9.58	
		For >10 To 25, Deduct	-19.16	
		For >25, Deduct	-28.74	
09 91 13 00-0284	SF	>34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim	6.08	
		For Electrostatic Painting, Add	0.85	
09 91 13 00-0285 Paint Exterior Wood Windows (09 91 13 00-0232)				
		Note: Two finish coats paint over primer.		
09 91 13 00-0286	EA	Up To 8 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim	89.60	
		For >5 To 10, Deduct	-4.48	
		For >10 To 25, Deduct	-8.96	
		For >25, Deduct	-13.44	
09 91 13 00-0287	EA	>8 To 14 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim	109.91	
		For >5 To 10, Deduct	-5.50	
		For >10 To 25, Deduct	-10.99	
		For >25, Deduct	-16.49	
09 91 13 00-0288	EA	>14 To 20 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim	148.79	
		For >5 To 10, Deduct	-7.44	
		For >10 To 25, Deduct	-14.88	
		For >25, Deduct	-22.32	
09 91 13 00-0289	EA	>20 To 26 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim	167.61	
		For >5 To 10, Deduct	-8.38	
		For >10 To 25, Deduct	-16.76	
		For >25, Deduct	-25.14	
09 91 13 00-0290	EA	>26 To 34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim	185.76	
		For >5 To 10, Deduct	-9.29	
		For >10 To 25, Deduct	-18.58	
		For >25, Deduct	-27.86	
09 91 13 00-0291	SF	>34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim	6.17	
09 91 13 00-0292 Paint Exterior Security Screens (09 91 13 00-0232)				
09 91 13 00-0293	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Security Screen	1.59	
		For Electrostatic Painting, Add	0.22	
09 91 13 00-0294	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Security Screen	1.58	
		For Electrostatic Painting, Add	0.20	
09 91 13 00-0295	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Security Screen	2.64	
		For Electrostatic Painting, Add	0.35	
09 91 13 00-0296 Paint Exterior Window Guards (09 91 13 00-0232)				
09 91 13 00-0297	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Window Guards	1.59	
09 91 13 00-0298	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Window Guards	1.58	
09 91 13 00-0299	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Window Guards	2.64	
09 91 13 00-0300 Paint Exterior Window Trim (09 91 13 00-0232)				
09 91 13 00-0301	LF	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Window Frame And Trim	1.50	
09 91 13 00-0302	LF	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Window Frame And Trim	1.50	
09 91 13 00-0303	LF	2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Window Frame And Trim	2.48	
09 91 13 00-0304	LF	1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Window Frame And Trim	1.74	
09 91 13 00-0305	LF	1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Window Frame And Trim	1.74	
09 91 13 00-0306	LF	2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Window Frame And Trim	2.96	

09 Finishes**09 90 Painting and Coating****09 91 Painting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 91 13 00-0307	Paint Exterior Roofing And Trim (09 91 13)		
09 91 13 00-0308	Paint Stain Or Seal Wood Roofing (09 91 13 00-0307)		
09 91 13 00-0309	SF 1 Coat Paint, Brush/Roller Work, Stain And Seal Shingles/Shake.....	2.29	
	For Up To 100, Add	1.05	
	For >100 To 250, Add	0.52	
	For >250 To 500, Add	0.23	
09 91 13 00-0310	SF 2 Coats Stain, Brush/Roller Work, Stain And Seal Shingles/Shake.....	4.22	
	For Up To 100, Add	1.89	
	For >100 To 250, Add	0.94	
	For >250 To 500, Add	0.42	
09 91 13 00-0311	Paint Metal Roofing (09 91 13 00-0307)		
09 91 13 00-0312	SF 1 Coat Paint, Brush/Roller Work, Paint Metal Roofing.....	1.00	
	For Up To 100, Add	0.43	
	For >100 To 250, Add	0.22	
	For >250 To 500, Add	0.10	
09 91 13 00-0313	SF 2 Coats Paint, Brush/Roller Work, Paint Metal Roofing.....	1.74	
	For Up To 100, Add	0.77	
	For >100 To 250, Add	0.38	
	For >250 To 500, Add	0.17	
09 91 13 00-0314	Paint Fascia Board (09 91 13 00-0307)		
09 91 13 00-0315	LF 1 Coat Primer, Brush/Roller Work, Paint Fascia Board.....	0.94	
	For Up To 100, Add	0.42	
	For >100 To 250, Add	0.21	
	For >250 To 500, Add	0.09	
09 91 13 00-0316	LF 1 Coat Paint, Brush/Roller Work, Paint Fascia Board.....	0.94	
	For Up To 100, Add	0.42	
	For >100 To 250, Add	0.21	
	For >250 To 500, Add	0.09	
09 91 13 00-0317	LF 2 Coats Paint, Brush/Roller Work, Paint Fascia Board.....	1.64	
	For Up To 100, Add	0.75	
	For >100 To 250, Add	0.37	
	For >250 To 500, Add	0.17	
09 91 13 00-0318	Paint Soffit (09 91 13 00-0307)		
09 91 13 00-0319	SF 1 Coat Primer, Brush/Roller Work, Paint Soffit.....	1.15	
	For Up To 100, Add	0.45	
	For >100 To 250, Add	0.23	
	For >250 To 500, Add	0.10	
09 91 13 00-0320	SF 1 Coat Paint, Brush/Roller Work, Paint Soffit.....	1.15	
	For Up To 100, Add	0.45	
	For >100 To 250, Add	0.23	
	For >250 To 500, Add	0.10	
09 91 13 00-0321	SF 2 Coats Paint, Brush/Roller Work, Paint Soffit.....	1.96	
	For Up To 100, Add	0.80	
	For >100 To 250, Add	0.41	
	For >250 To 500, Add	0.18	
09 91 13 00-0322	Acrylic Elastomeric Coating For All Types Of Roofs (09 91 13 00-0307)		
09 91 13 00-0323	SF 2 Coats, Energy-Armor Ultra SunWhite Ultra Premium Acrylic Elastomeric Roof Coating (ICP APOC® AP-252).....	3.13	
09 91 13 00-0324	Elastomeric Coating For All Types Of Roofs (09 91 13 00-0307)		
09 91 13 00-0325	SF 1 Coat, White Elastomeric Liquid Silicone Roof Membrane Coating (ICP APOC® Armor Flex® AP-585).....	3.81	
	Note: Per Coat		
09 91 13 00-0326	Paint Metal Surfaces (09 91 13)		
	Note: Tasks can be used for exterior or interior applications.		
09 91 13 00-0327	Paint Structural Steel (09 91 13 00-0326)		
09 91 13 00-0328	Paint Structural Steel, Brush Work (09 91 13 00-0327)		
09 91 13 00-0329	SF 1 Field Coat Primer, Brush/Roller Work, Paint Exterior Structural Steel.....	1.10	
	For Up To 100, Add	0.66	
	For >100 To 250, Add	0.32	
	For >250 To 500, Add	0.14	
	For Epoxy Paint, Add	0.14	
09 91 13 00-0330	SF 1 Field Coat Paint, Brush/Roller Work, Paint Exterior Structural Steel.....	0.98	
	For Up To 100, Add	0.57	
	For >100 To 250, Add	0.27	
	For >250 To 500, Add	0.12	
	For Epoxy Paint, Add	0.13	
09 91 13 00-0331	Paint Structural Steel, Spray Work (09 91 13 00-0327)		
09 91 13 00-0332	SF 1 Field Coat Primer, Sprayed, Paint Exterior Structural Steel.....	0.81	
	For Electrostatic Painting, Add	0.12	
	For Up To 100, Add	0.44	
	For >100 To 250, Add	0.21	
	For >250 To 500, Add	0.09	
	For Epoxy Paint, Add	0.12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
09 91 13 00-0333	SF		1 Field Coat Paint, Sprayed, Paint Exterior Structural Steel.....	0.69	
			For Electrostatic Painting, Add	0.11	
			For Up To 100, Add	0.35	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.08	
			For Epoxy Paint, Add	0.12	
09 91 13 00-0334 Paint Metal Decking, Beams And Bar Joist (09 91 13 00-0327)					
09 91 13 00-0335	SF		1 Coat Primer, Sprayed, Paint Exposed Metal Decking.....	0.91	
			For Up To 100, Add	0.51	
			For >100 To 250, Add	0.25	
			For >250 To 500, Add	0.11	
			For Epoxy Paint, Add	0.13	
09 91 13 00-0336	SF		1 Coat Paint, Sprayed, Paint Exposed Metal Decking.....	0.91	
			For Up To 100, Add	0.51	
			For >100 To 250, Add	0.25	
			For >250 To 500, Add	0.11	
			For Epoxy Paint, Add	0.13	
09 91 13 00-0337	SF		2 Coats Paint, Sprayed, Paint Exposed Metal Decking.....	1.55	
			For Up To 100, Add	0.83	
			For >100 To 250, Add	0.41	
			For >250 To 500, Add	0.18	
			For Epoxy Paint, Add	0.24	
09 91 13 00-0338	SF		1 Coat Primer, Brush/Roller Work, Paint Metal Beams And Bar Joists.....	1.38	
			For Up To 100, Add	0.72	
			For >100 To 250, Add	0.35	
			For >250 To 500, Add	0.15	
			For Epoxy Paint, Add	0.23	
09 91 13 00-0339	SF		1 Coat Paint, Brush/Roller Work, Paint Metal Beams And Bar Joists.....	1.34	
			For Up To 100, Add	0.72	
			For >100 To 250, Add	0.35	
			For >250 To 500, Add	0.15	
			For Epoxy Paint, Add	0.21	
09 91 13 00-0340	SF		2 Coats Paint, Brush/Roller Work, Paint Metal Beams And Bar Joists.....	2.54	
			For Up To 100, Add	1.35	
			For >100 To 250, Add	0.66	
			For >250 To 500, Add	0.29	
			For Epoxy Paint, Add	0.41	
09 91 13 00-0341	SF		1 Coat Primer, Sprayed, Paint Metal Beams And Bar Joists.....	1.12	
			For Up To 100, Add	0.60	
			For >100 To 250, Add	0.29	
			For >250 To 500, Add	0.13	
			For Epoxy Paint, Add	0.18	
09 91 13 00-0342	SF		1 Coat Paint, Sprayed, Paint Metal Beams And Bar Joists.....	1.12	
			For Up To 100, Add	0.60	
			For >100 To 250, Add	0.29	
			For >250 To 500, Add	0.13	
			For Epoxy Paint, Add	0.18	
09 91 13 00-0343	SF		2 Coats Paint, Sprayed, Paint Metal Beams And Bar Joists.....	1.95	
			For Up To 100, Add	0.98	
			For >100 To 250, Add	0.48	
			For >250 To 500, Add	0.21	
			For Epoxy Paint, Add	0.34	
09 91 13 00-0344 Steel Pipes, Tubes, Rails, Conduit (09 91 13 00-0326)					
			Note: For non surface mounted unless a different color is needed.		
09 91 13 00-0345	LF		1 Coat Primer, 1/2" To 1-1/2" Diameter, Paint Conduit Or Steel Pipe.....	1.81	
			For Electrostatic Painting, Add	0.24	
			For Epoxy Paint, Add	0.21	
09 91 13 00-0346	LF		1 Coat Primer, 2" To 3-1/2" Diameter, Paint Conduit Or Steel Pipe.....	2.04	
			For Electrostatic Painting, Add	0.28	
			For Epoxy Paint, Add	0.25	
09 91 13 00-0347	LF		1 Coat Primer, 4" Diameter, Paint Steel Pipes.....	2.30	
			For Electrostatic Painting, Add	0.31	
			For Epoxy Paint, Add	0.28	
09 91 13 00-0348	LF		1 Coat Primer, 6" To 8" Diameter, Paint Steel Pipes.....	2.86	
			For Electrostatic Painting, Add	0.39	
			For Epoxy Paint, Add	0.34	
09 91 13 00-0349	LF		1 Coat Primer, 10" To 12" Diameter, Paint Steel Pipes.....	3.62	
			For Electrostatic Painting, Add	0.49	
			For Epoxy Paint, Add	0.43	
09 91 13 00-0350	LF		1 Coat Paint, 1/2" To 1-1/2" Diameter, Paint Conduit Or Steel Pipe.....	1.81	
			For Electrostatic Painting, Add	0.24	
			For Epoxy Paint, Add	0.21	
09 91 13 00-0351	LF		1 Coat Paint, 2" To 3-1/2" Diameter, Paint Conduit Or Steel Pipe.....	2.04	
			For Electrostatic Painting, Add	0.28	
			For Epoxy Paint, Add	0.25	
09 91 13 00-0352	LF		1 Coat Paint, 4" Diameter, Paint Steel Pipes.....	2.30	
			For Electrostatic Painting, Add	0.31	
			For Epoxy Paint, Add	0.28	
09 91 13 00-0353	LF		1 Coat Paint, 6" To 8" Diameter, Paint Steel Pipes.....	2.86	
			For Electrostatic Painting, Add	0.39	
			For Epoxy Paint, Add	0.34	
09 91 13 00-0354	LF		1 Coat Paint, 10" To 12" Diameter, Paint Steel Pipes.....	3.62	
			For Electrostatic Painting, Add	0.49	
			For Epoxy Paint, Add	0.43	

09 Finishes**09 90 Painting and Coating****09 91 Painting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 91 13 00-0355	LF	2 Coats Paint, 1/2" To 1-1/2" Diameter, Paint Conduit Or Steel Pipe	3.75	
		<i>For Electrostatic Painting, Add</i>	0.54	
		<i>For Epoxy Paint, Add</i>	0.51	
09 91 13 00-0356	LF	2 Coats Paint, 2" To 3-1/2" Diameter, Paint Conduit Or Steel Pipe	4.07	
		<i>For Electrostatic Painting, Add</i>	0.55	
		<i>For Epoxy Paint, Add</i>	0.49	
09 91 13 00-0357	LF	2 Coats Paint, 4" Diameter, Paint Steel Pipes	4.42	
		<i>For Electrostatic Painting, Add</i>	0.60	
		<i>For Epoxy Paint, Add</i>	0.55	
09 91 13 00-0358	LF	2 Coats Paint, 6" To 8" Diameter, Paint Steel Pipes	5.57	
		<i>For Electrostatic Painting, Add</i>	0.76	
		<i>For Epoxy Paint, Add</i>	0.67	
09 91 13 00-0359	LF	2 Coats Paint, 10" To 12" Diameter, Paint Steel Pipes	6.87	
		<i>For Electrostatic Painting, Add</i>	0.94	
		<i>For Epoxy Paint, Add</i>	0.85	
09 91 13 00-0360	EA	1 Coat Paint, Paint Exposed Single Or Double Gang Outlet Box	8.49	
		<i>For Electrostatic Painting, Add</i>	0.91	
		<i>For Epoxy Paint, Add</i>	0.55	

09 91 13 00-0361 Paint Metal Louvers (09 91 13 00-0326)

09 91 13 00-0362	SF	1 Coat Primer, Brush/Roller Work, Paint Ventilation Louver, SF Of Opening Area	1.47	
		<i>For Electrostatic Painting, Add</i>	0.18	
09 91 13 00-0363	SF	1 Coat Alkyd Paint, Brush/Roller Work, Paint Ventilation Louver, SF Of Opening Area	1.51	
		<i>For Electrostatic Painting, Add</i>	0.19	
09 91 13 00-0364	SF	2 Coats Alkyd Paint, Brush/Roller Work, Paint Ventilation Louver, SF Of Opening Area	3.10	
		<i>For Electrostatic Painting, Add</i>	0.40	

09 91 13 00-0365 Paint Ladders (09 91 13 00-0326)

09 91 13 00-0366	LF	1 Coat Alkyd Primer, Brush/Roller Work, Paint Ladders	3.90	
		<i>For Epoxy Paint, Add</i>	0.26	
09 91 13 00-0367	LF	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Ladders	4.35	
		<i>For Epoxy Paint, Add</i>	0.28	
09 91 13 00-0368	LF	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Ladders	8.54	
		<i>For Epoxy Paint, Add</i>	0.51	

09 91 13 00-0369 Paint Handrails (09 91 13 00-0326)

09 91 13 00-0370	LF	1 Coat Alkyd Primer, Brush/Roller Work, 1 Rail, Paint Hand Rail And Bracket	1.59	
		<i>For Epoxy Paint, Add</i>	0.14	
09 91 13 00-0371	LF	1 Coat Alkyd Enamel Paint, Brush/Roller Work, 1 Rail, Paint Hand Rail And Bracket	1.75	
		<i>For Epoxy Paint, Add</i>	0.15	
09 91 13 00-0372	LF	2 Coats Alkyd Enamel Paint, Brush/Roller Work, 1 Rail, Paint Hand Rail And Bracket	2.85	
		<i>For Epoxy Paint, Add</i>	0.20	
09 91 13 00-0373	LF	1 Coat Alkyd Primer, Brush/Roller Work, 1 Rail, Paint Pipe Rail And Pickets	3.08	
		<i>For Epoxy Paint, Add</i>	0.45	
09 91 13 00-0374	LF	1 Coat Alkyd Enamel Paint, Brush/Roller Work, 1 Rail, Paint Pipe Rail And Pickets	3.34	
		<i>For Epoxy Paint, Add</i>	0.46	
09 91 13 00-0375	LF	2 Coats Alkyd Enamel Paint, Brush/Roller Work, 1 Rail, Paint Pipe Rail And Pickets	5.66	
		<i>For Epoxy Paint, Add</i>	0.72	
09 91 13 00-0376	LF	1 Coat Alkyd Primer, Brush/Roller Work, 2 Rails, Paint Pipe Rail And Pickets	3.29	
		<i>For Epoxy Paint, Add</i>	0.46	
09 91 13 00-0377	LF	1 Coat Alkyd Enamel Paint, Brush/Roller Work, 2 Rails, Paint Pipe Rail And Pickets	3.58	
		<i>For Epoxy Paint, Add</i>	0.47	
09 91 13 00-0378	LF	2 Coats Alkyd Enamel Paint, Brush/Roller Work, 2 Rails, Paint Pipe Rail And Pickets	5.98	
		<i>For Epoxy Paint, Add</i>	0.73	
09 91 13 00-0379	LF	1 Coat Alkyd Primer, Brush/Roller Work, Paint Balustrades	1.82	
		<i>For Epoxy Paint, Add</i>	0.24	
09 91 13 00-0380	LF	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Balustrades	1.98	
		<i>For Epoxy Paint, Add</i>	0.24	
09 91 13 00-0381	LF	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Balustrades	3.64	
		<i>For Epoxy Paint, Add</i>	0.47	

09 91 13 00-0382 Paint Grating (09 91 13 00-0326)

09 91 13 00-0383	SF	1 Coat Primer, Brush/Roller Work, Paint Gratings And Frames	2.86	
		<i>For Epoxy Paint, Add</i>	0.21	
09 91 13 00-0384	SF	1 Coat Paint, Brush/Roller Work, Paint Gratings And Frames	2.93	
		<i>For Epoxy Paint, Add</i>	0.23	
09 91 13 00-0385	SF	2 Coats Paint, Brush/Roller Work, Paint Gratings And Frames	4.43	
		<i>For Epoxy Paint, Add</i>	0.39	

09 91 13 00-0386 Equipment And Tanks (09 91 13 00-0326)**09 91 13 00-0387 Paint Valves** (09 91 13 00-0386)

Note: Includes 1 coat primer and 1 coat paint finish

09 91 13 00-0388	EA	Prime And Paint 4" And Smaller Valve	31.30	
09 91 13 00-0389	EA	Prime And Paint 6" To 10" Valve	38.62	
09 91 13 00-0390	EA	Prime And Paint 12" To 18" Valve	50.60	
09 91 13 00-0391	EA	Prime And Paint 20" To 24" Valve	67.25	
09 91 13 00-0392	EA	Prime And Paint >24" To 36" Valve	91.23	
09 91 13 00-0393	EA	Prime And Paint >36" To 48" Valve	125.19	

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

09 91 13 00-0394		Paint Pumps And Motors (09 91 13 00-0386) Note: Includes 1 coat primer and 1 coat paint finish	
09 91 13 00-0395	EA	Prime And Paint Pump Under 1 HP	96.56
09 91 13 00-0396	EA	Prime And Paint Pump, 1 HP To 5 HP	128.51
09 91 13 00-0397	EA	Prime And Paint Pump, >5 HP To 10 HP	155.82
09 91 13 00-0398	EA	Prime And Paint Pump, >10 HP To 20 HP	175.80
09 91 13 00-0399	EA	Prime And Paint Pump, >20 HP To 30 HP	205.10
09 91 13 00-0400	EA	Prime And Paint Pump, >30 HP To 50 HP	234.39
09 91 13 00-0401	EA	Prime And Paint Pump, >50 HP To 75 HP	259.03
09 91 13 00-0402	EA	Prime And Paint Pump, >75 HP	292.99

09 91 13 00-0403		Paint Storage Tanks (09 91 13 00-0386)	
09 91 13 00-0404	SF	1 Coat Primer, Roller, Paint Storage Tank, Exterior Surface	1.25
09 91 13 00-0405	SF	1 Coat Paint, Roller, Paint Storage Tank, Exterior Surface	1.69
09 91 13 00-0406	SF	2 Coats Paint, Roller, Paint Storage Tank, Exterior Surface	3.22
09 91 13 00-0407	SF	1 Coat Primer, Roller, Paint Storage Tank, Interior Surface	1.65
09 91 13 00-0408	SF	1 Coat Paint, Roller, Paint Storage Tank, Interior Surface	2.12
09 91 13 00-0409	SF	2 Coats Paint, Roller, Paint Storage Tank, Interior Surface	4.08
09 91 13 00-0410	SF	1 Coat Primer, Sprayed, Paint Storage Tank, Exterior Surface	1.34
09 91 13 00-0411	SF	1 Coat Paint, Sprayed, Paint Storage Tank, Exterior Surface	1.69
09 91 13 00-0412	SF	2 Coats Paint, Sprayed, Paint Storage Tank, Exterior Surface	3.30
09 91 13 00-0413	SF	1 Coat Primer, Sprayed, Paint Storage Tank, Interior Surface	1.51
09 91 13 00-0414	SF	1 Coat Paint, Sprayed, Paint Storage Tank, Interior Surface	2.01
09 91 13 00-0415	SF	2 Coats Paint, Sprayed, Paint Storage Tank, Interior Surface	3.93

09 91 13 00-0416 **Other Site Work Painting** (09 91 13)

09 91 13 00-0417		Paint Fencing (09 91 13 00-0416) Note: Per side of fence. Based on gross fence area (length of fence x height of fence).	
09 91 13 00-0418	SF	1 Coat Paint, Brush/Roller, Paint Existing Chain Link Fence	0.92
		For Epoxy Paint, Add	0.12
		For Up To 100, Add	0.55
		For >100 To 250, Add	0.26
		For >250 To 500, Add	0.11
09 91 13 00-0419	SF	2 Coats Paint, Brush/Roller, Paint Existing Chain Link Fence	1.73
		For Epoxy Paint, Add	0.23
		For Up To 100, Add	1.01
		For >100 To 250, Add	0.49
		For >250 To 500, Add	0.21
09 91 13 00-0420	SF	1 Coat Paint, Sprayed, Paint Existing Chain Link Fence	0.83
		For Epoxy Paint, Add	0.13
		For Electrostatic Painting, Add	0.13
		For Up To 100, Add	0.44
		For >100 To 250, Add	0.22
		For >250 To 500, Add	0.09
09 91 13 00-0421	SF	2 Coats Paint, Sprayed, Paint Existing Chain Link Fence	1.55
		For Epoxy Paint, Add	0.26
		For Electrostatic Painting, Add	0.25
		For Up To 100, Add	0.80
		For >100 To 250, Add	0.39
		For >250 To 500, Add	0.17
09 91 13 00-0422	SF	1 Coat Primer, Brush/Roller, Paint Wrought Iron Fence	0.86
		For Epoxy Paint, Add	0.13
		For Up To 100, Add	0.47
		For >100 To 250, Add	0.23
		For >250 To 500, Add	0.10
09 91 13 00-0423	SF	1 Coat Paint, Brush/Roller, Paint Wrought Iron Fence	0.80
		For Epoxy Paint, Add	0.11
		For Up To 100, Add	0.46
		For >100 To 250, Add	0.22
		For >250 To 500, Add	0.10
09 91 13 00-0424	SF	Each Additional Coat, Brush/Roller, Paint Wrought Iron Fence	0.59
		For Epoxy Paint, Add	0.10
		For Up To 100, Add	0.30
		For >100 To 250, Add	0.15
		For >250 To 500, Add	0.06
09 91 13 00-0425	SF	1 Coat Primer, Brush/Roller, Paint Picket Fence	1.05
		For Epoxy Paint, Add	0.10
		For Up To 100, Add	0.69
		For >100 To 250, Add	0.33
		For >250 To 500, Add	0.14
09 91 13 00-0426	SF	1 Coat Paint, Brush/Roller, Paint Picket Fence	1.05
		For Epoxy Paint, Add	0.10
		For Up To 100, Add	0.69
		For >100 To 250, Add	0.33
		For >250 To 500, Add	0.14
09 91 13 00-0427	SF	Each Additional Coat, Brush/Roller, Paint Picket Fence	0.77
		For Epoxy Paint, Add	0.09
		For Up To 100, Add	0.48
		For >100 To 250, Add	0.23
		For >250 To 500, Add	0.10
09 91 13 00-0428	SF	1 Coat Paint, Brush/Roller, Paint Wood Fences	0.83
		For Up To 100, Add	0.46
		For >100 To 250, Add	0.22
		For >250 To 500, Add	0.10

09 Finishes**09 90 Painting and Coating****09 91 Painting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 91 13 00-0429	SF	2 Coats Paint, Brush/Roller, Paint Wood Fences	1.50	
		<i>For Up To 100, Add</i>	0.81	
		<i>For >100 To 250, Add</i>	0.39	
		<i>For >250 To 500, Add</i>	0.17	
09 91 13 00-0430	SF	1 Coat Paint, Sprayed, Paint Wood Fences.....	0.66	
		<i>For Up To 100, Add</i>	0.33	
		<i>For >100 To 250, Add</i>	0.16	
		<i>For >250 To 500, Add</i>	0.07	
09 91 13 00-0431	SF	2 Coats Paint, Sprayed, Paint Wood Fences.....	1.24	
		<i>For Up To 100, Add</i>	0.61	
		<i>For >100 To 250, Add</i>	0.30	
		<i>For >250 To 500, Add</i>	0.13	

09 91 13 00-0432 Paint Shutters Or Blinds, Solid Panel (09 91 13 00-0416)

09 91 13 00-0433	SF	1 Coat Primer, Brush Work, Paint Shutter Or Blinds, Solid Panel.....	3.11	
09 91 13 00-0434	SF	1 Coat Paint, Brush Work, Paint Shutter Or Blinds, Solid Panel.....	3.12	
09 91 13 00-0435	SF	2 Coats Paint, Brush Work, Paint Shutter Or Blinds, Solid Panel	5.57	
09 91 13 00-0436	SF	1 Coat Primer, Sprayed, Paint Shutter Or Blinds, Solid Panel	1.95	
09 91 13 00-0437	SF	1 Coat Paint, Sprayed, Paint Shutter Or Blinds, Solid Panel	1.96	
09 91 13 00-0438	SF	2 Coats Paint, Sprayed, Paint Shutter Or Blinds, Solid Panel.....	3.66	

09 91 13 00-0439 Paint Shutters Or Blinds, Louvered Panel (09 91 13 00-0416)

09 91 13 00-0440	SF	1 Coat Primer, Brush Work, Paint Shutter Or Blinds, Louvered Panel.....	3.83	
09 91 13 00-0441	SF	1 Coat Paint, Brush Work, Paint Shutter Or Blinds, Louvered Panel	3.84	
09 91 13 00-0442	SF	2 Coats Paint, Brush Work, Paint Shutter Or Blinds, Louvered Panel	6.84	
09 91 13 00-0443	SF	1 Coat Primer, Sprayed, Paint Shutter Or Blinds, Louvered Panel	2.34	
09 91 13 00-0444	SF	1 Coat Paint, Sprayed, Paint Shutter Or Blinds, Louvered Panel	2.35	
09 91 13 00-0445	SF	2 Coats Paint, Sprayed, Paint Shutter Or Blinds, Louvered Panel.....	4.38	

09 91 13 00-0446 Paint Flagpoles (09 91 13 00-0416)

09 91 13 00-0447	EA	1 Coat Paint, 20' High, Paint Steel Flagpole	226.83	
09 91 13 00-0448	EA	1 Coat Paint, 30' High, Paint Steel Flagpole	306.63	
09 91 13 00-0449	EA	1 Coat Paint, 40' High, Paint Steel Flagpole	386.48	
09 91 13 00-0450	EA	1 Coat Paint, 50' High, Paint Steel Flagpole	466.34	
09 91 13 00-0451	EA	1 Coat Paint, 70' High, Paint Steel Flagpole	617.02	
09 91 13 00-0452	EA	1 Coat Paint, 80' High, Paint Steel Flagpole	695.74	
09 91 13 00-0453	EA	1 Coat Paint, 90' High, Paint Steel Flagpole	774.47	

09 91 13 00-0454 Paint Lattice Or Trellis (09 91 13 00-0416)

09 91 13 00-0455	SF	1 Coat Paint, Sprayed, Per Side, Paint Wood Lattice Or Trellis.....	1.52	
		<i>For Up To 100, Add</i>	0.98	
		<i>For >100 To 250, Add</i>	0.46	
		<i>For >250 To 500, Add</i>	0.20	
09 91 13 00-0456	SF	2 Coats Paint, Sprayed, Per Side, Paint Wood Lattice Or Trellis.....	2.82	
		<i>For Up To 100, Add</i>	1.80	
		<i>For >100 To 250, Add</i>	0.85	
		<i>For >250 To 500, Add</i>	0.37	

09 91 13 00-0457 Paint Exterior Stairs (09 91 13)**09 91 13 00-0458 Paint Exterior Concrete Stairs** (09 91 13 00-0457)

09 91 13 00-0459	RSR	1 Coat Primer, Brush/Roller Work, Paint Exterior Concrete Stair (To 4' Wide).....	17.00	
09 91 13 00-0460	RSR	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Concrete Stair (To 4' Wide).....	17.00	
09 91 13 00-0461	RSR	1 Coat Non-Slip Paint, Brush/Roller Work, Paint Exterior Concrete Stair (To 4' Wide).....	23.12	
09 91 13 00-0462	RSR	1 Coat Non-Slip Epoxy Paint, Brush/Roller Work, Paint Exterior Concrete Stair (To 4' Wide).....	41.08	
09 91 13 00-0463	RSR	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Concrete Stair (To 4' Wide).....	33.99	

09 91 13 00-0464 Paint Exterior Metal Stairs (09 91 13 00-0457)

09 91 13 00-0465	RSR	1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Stair (To 4' Wide).....	9.07	
		<i>For Oil Based Paint, Add</i>	0.51	
09 91 13 00-0466	RSR	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Metal Stair (To 4' Wide)	9.07	
		<i>For Oil Based Paint, Add</i>	0.51	
09 91 13 00-0467	RSR	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Metal Stair (To 4' Wide).....	18.15	
		<i>For Oil Based Paint, Add</i>	1.01	

09 91 13 00-0468 Paint Exterior Wood Stairs (09 91 13 00-0457)

09 91 13 00-0469	RSR	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Stair (To 4' Wide)	8.95	
09 91 13 00-0470	RSR	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Wood Stair (To 4' Wide).....	8.95	
09 91 13 00-0471	RSR	1 Coat Non-Slip Paint, Brush/Roller Work, Paint Exterior Wood Stair (To 4' Wide).....	15.07	
09 91 13 00-0472	RSR	1 Coat Non-Slip Epoxy Paint, Brush/Roller Work, Paint Exterior Wood Stair (To 4' Wide)	33.03	
09 91 13 00-0473	RSR	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Wood Stair (To 4' Wide).....	17.90	

09 91 13 00-0474 Paint Exterior Stair Nosing (09 91 13 00-0457)

09 91 13 00-0475	LF	1 Coat Paint, Up To 2", Non-Slip, Brush Work, Paint Exterior Yellow Stair Safety Strip.....	1.72	
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09 91 13 00-0476 Paint Exterior Trim (09 91 13)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 13 00-0477 Paint Exterior Metal Trim And Gutters (09 91 13 00-0476)					
09 91 13 00-0478	SF		1 Coat Primer, Brush Work, Paint Exterior Exposed Metal Trim.....	1.22	
			For Work >15' To 20' Above Floor, Add	0.14	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.24	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.38	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.52	
			Note: Applied only to work area above 40'.		
09 91 13 00-0479	SF		1 Coat Paint, Brush Work, Paint Exterior Exposed Metal Trim	1.32	
			For Work >15' To 20' Above Floor, Add	0.16	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.26	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.42	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.58	
			Note: Applied only to work area above 40'.		
09 91 13 00-0480	SF		2 Coats Paint, Brush Work, Paint Exterior Exposed Metal Trim	2.40	
			For Work >15' To 20' Above Floor, Add	0.28	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.47	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.74	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.02	
			Note: Applied only to work area above 40'.		
09 91 13 00-0481	SF		1 Coat Primer, Brush/Roller Work, Paint Exterior Exposed Metal Trim	1.11	
			For Work >15' To 20' Above Floor, Add	0.13	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.21	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.34	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.46	
			Note: Applied only to work area above 40'.		
09 91 13 00-0482	SF		1 Coat Paint, Brush/Roller Work, Paint Exterior Exposed Metal Trim.....	1.20	
			For Work >15' To 20' Above Floor, Add	0.14	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.23	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.37	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.51	
			Note: Applied only to work area above 40'.		
09 91 13 00-0483	SF		2 Coats Paint, Brush/Roller Work, Paint Exterior Exposed Metal Trim	2.17	
			For Work >15' To 20' Above Floor, Add	0.24	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.41	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.65	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.90	
			Note: Applied only to work area above 40'.		
09 91 13 00-0484	LF		1 Coat Paint, Brush Work, Paint Exterior Gutter And Downspout.....	1.89	
			For Work >15' To 20' Above Floor, Add	0.23	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.38	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.61	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.84	
			Note: Applied only to work area above 40'.		
09 91 13 00-0485	LF		2 Coats Paint, Brush Work, Paint Exterior Gutter And Downspout.....	2.31	
			For Work >15' To 20' Above Floor, Add	0.34	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.56	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.90	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.23	
			Note: Applied only to work area above 40'.		

09 91 13 00-0486 Paint Exterior Wood Trim (09 91 13 00-0476)

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

09 91 13 00-0487	SF	1 Coat Primer, Brush Work, Paint Exterior Wood Trim.....	1.81	
		For Oil Based Paint, Add	0.11	
		For Work >15' To 20' Above Floor, Add	0.20	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.33	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.53	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.73	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.07	
		For >100 To 250, Add	0.51	
		For >250 To 500, Add	0.22	
		For >2,500 To 5,000, Deduct	-0.09	
		For >5,000 To 10,000, Deduct	-0.18	
		For >10,000 To 20,000, Deduct	-0.27	
		For >20,000, Deduct	-0.36	
09 91 13 00-0488	SF	1 Coat Paint, Brush Work, Paint Exterior Wood Trim.....	1.97	
		For Oil Based Paint, Add	0.13	
		For Work >15' To 20' Above Floor, Add	0.22	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.36	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.58	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.79	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.16	
		For >100 To 250, Add	0.56	
		For >250 To 500, Add	0.24	
		For >2,500 To 5,000, Deduct	-0.10	
		For >5,000 To 10,000, Deduct	-0.20	
		For >10,000 To 20,000, Deduct	-0.30	
		For >20,000, Deduct	-0.39	
09 91 13 00-0489	SF	2 Coats Paint, Brush Work, Paint Exterior Wood Trim.....	3.62	
		For Oil Based Paint, Add	0.23	
		For Work >15' To 20' Above Floor, Add	0.38	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.64	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	1.02	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	1.41	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	2.08	
		For >100 To 250, Add	1.00	
		For >250 To 500, Add	0.44	
		For >2,500 To 5,000, Deduct	-0.18	
		For >5,000 To 10,000, Deduct	-0.36	
		For >10,000 To 20,000, Deduct	-0.54	
		For >20,000, Deduct	-0.72	
09 91 13 00-0490	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Trim.....	1.47	
		For Oil Based Paint, Add	0.10	
		For Work >15' To 20' Above Floor, Add	0.15	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.25	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.40	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.54	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.81	
		For >100 To 250, Add	0.39	
		For >250 To 500, Add	0.17	
		For >2,500 To 5,000, Deduct	-0.07	
		For >5,000 To 10,000, Deduct	-0.15	
		For >10,000 To 20,000, Deduct	-0.22	
		For >20,000, Deduct	-0.29	
09 91 13 00-0491	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Trim.....	1.64	
		For Oil Based Paint, Add	0.11	
		For Work >15' To 20' Above Floor, Add	0.17	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.28	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.44	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.61	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.91	
		For >100 To 250, Add	0.44	
		For >250 To 500, Add	0.19	
		For >2,500 To 5,000, Deduct	-0.08	
		For >5,000 To 10,000, Deduct	-0.16	
		For >10,000 To 20,000, Deduct	-0.25	
		For >20,000, Deduct	-0.33	

Cal Poly Humboldt.		Finishes 09		09
		Painting and Coating 09 90		
		Painting 09 91		
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
		UNIT COST	UNIT COST	
09 91 13 00-0492	SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Trim	3.08		
	For Oil Based Paint, Add	0.21		
	For Work >15' To 20' Above Floor, Add	0.30		
	Note: Applied only to work area above 15' to 20'.			
	For Work >20' To 30' Above Floor, Add	0.51		
	Note: Applied only to work area above 20'.			
	For Work >30' To 40' Above Floor, Add	0.81		
	Note: Applied only to work area above 30' to 40'.			
	For Work >40' Above Floor, Add	1.11		
	Note: Applied only to work area above 40'.			
	For Up To 100, Add	1.67		
	For >100 To 250, Add	0.81		
	For >250 To 500, Add	0.36		
	For >2,500 To 5,000, Deduct	-0.15		
	For >5,000 To 10,000, Deduct	-0.31		
	For >10,000 To 20,000, Deduct	-0.46		
	For >20,000, Deduct	-0.62		
09 91 13 00-0493	SF 1 Coat Primer, Sprayed, Paint Exterior Wood Trim	1.23		
	For Oil Based Paint, Add	0.09		
	For Work >15' To 20' Above Floor, Add	0.10		
	Note: Applied only to work area above 15' to 20'.			
	For Work >20' To 30' Above Floor, Add	0.16		
	Note: Applied only to work area above 20'.			
	For Work >30' To 40' Above Floor, Add	0.26		
	Note: Applied only to work area above 30' to 40'.			
	For Work >40' Above Floor, Add	0.36		
	Note: Applied only to work area above 40'.			
	For Up To 100, Add	0.57		
	For >100 To 250, Add	0.29		
	For >250 To 500, Add	0.13		
	For >2,500 To 5,000, Deduct	-0.06		
	For >5,000 To 10,000, Deduct	-0.12		
	For >10,000 To 20,000, Deduct	-0.18		
	For >20,000, Deduct	-0.25		
09 91 13 00-0494	SF 1 Coat Paint, Sprayed, Paint Exterior Wood Trim.....	1.36		
	For Oil Based Paint, Add	0.10		
	For Work >15' To 20' Above Floor, Add	0.12		
	Note: Applied only to work area above 15' to 20'.			
	For Work >20' To 30' Above Floor, Add	0.20		
	Note: Applied only to work area above 20'.			
	For Work >30' To 40' Above Floor, Add	0.31		
	Note: Applied only to work area above 30' to 40'.			
	For Work >40' Above Floor, Add	0.43		
	Note: Applied only to work area above 40'.			
	For Up To 100, Add	0.67		
	For >100 To 250, Add	0.33		
	For >250 To 500, Add	0.15		
	For >2,500 To 5,000, Deduct	-0.07		
	For >5,000 To 10,000, Deduct	-0.14		
	For >10,000 To 20,000, Deduct	-0.20		
	For >20,000, Deduct	-0.27		
09 91 13 00-0495	SF 2 Coats Paint, Sprayed, Paint Exterior Wood Trim	2.60		
	For Oil Based Paint, Add	0.19		
	For Work >15' To 20' Above Floor, Add	0.21		
	Note: Applied only to work area above 15' to 20'.			
	For Work >20' To 30' Above Floor, Add	0.36		
	Note: Applied only to work area above 20'.			
	For Work >30' To 40' Above Floor, Add	0.57		
	Note: Applied only to work area above 30' to 40'.			
	For Work >40' Above Floor, Add	0.79		
	Note: Applied only to work area above 40'.			
	For Up To 100, Add	1.25		
	For >100 To 250, Add	0.62		
	For >250 To 500, Add	0.27		
	For >2,500 To 5,000, Deduct	-0.13		
	For >5,000 To 10,000, Deduct	-0.26		
	For >10,000 To 20,000, Deduct	-0.39		
	For >20,000, Deduct	-0.52		
09 91 13 00-0496	Paint Exterior Miscellaneous Metal Surfaces (09 91 13)			
09 91 13 00-0497	SF 1 Coat Alkyd Anticorrosive Metal Primer, Brush/Roller Work, Paint Exterior Miscellaneous Metal Surfaces.....	1.48		
	For Epoxy Paint, Add	0.20		
	For Electrostatic Painting, Add	0.21		
09 91 13 00-0498	SF 1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Miscellaneous Metal Surfaces	1.34		
	For Epoxy Paint, Add	0.15		
	For Electrostatic Painting, Add	0.18		
09 91 13 00-0499	SF 2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Miscellaneous Metal Surfaces	2.72		
	For Epoxy Paint, Add	0.32		
	For Electrostatic Painting, Add	0.36		
09 91 23	Interior Painting (09 91)			
Note: Acrylic latex paint unless otherwise stated. VOC compliant in all regulated areas, review specifications for levels. Paint tasks covers all paint sheens: flat, eggshell, satin, semi-gloss, or gloss. See CSI section 09 91 13 00-0326 for additional interior materials.				
09 91 23 00-0001	Paint Interior Walls (09 91 23)			
09 91 23 00-0002	Paint Interior Brick Walls (09 91 23 00-0001)			

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

09 91 23 00-0003	SF	1 Coat Filler, Brush Work, Paint Interior Brick Walls.....	1.12	
		For Oil Based Paint, Add	0.07	
		For Work >15' To 20' Above Floor, Add	0.13	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.22	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.35	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.48	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.69	
		For >100 To 250, Add	0.33	
		For >250 To 500, Add	0.14	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.11	
		For >10,000 To 20,000, Deduct	-0.17	
		For >20,000, Deduct	-0.22	
09 91 23 00-0004	SF	1 Coat Paint, Brush Work, Paint Interior Brick Walls.....	1.30	
		For Oil Based Paint, Add	0.08	
		For Work >15' To 20' Above Floor, Add	0.15	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.25	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.40	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.55	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.80	
		For >100 To 250, Add	0.38	
		For >250 To 500, Add	0.17	
		For >2,500 To 5,000, Deduct	-0.07	
		For >5,000 To 10,000, Deduct	-0.13	
		For >10,000 To 20,000, Deduct	-0.20	
		For >20,000, Deduct	-0.26	
09 91 23 00-0005	SF	2 Coat Paint, Brush Work, Paint Interior Brick Walls.....	2.33	
		For Oil Based Paint, Add	0.15	
		For Work >15' To 20' Above Floor, Add	0.26	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.44	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.70	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.96	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.39	
		For >100 To 250, Add	0.67	
		For >250 To 500, Add	0.29	
		For >2,500 To 5,000, Deduct	-0.12	
		For >5,000 To 10,000, Deduct	-0.23	
		For >10,000 To 20,000, Deduct	-0.35	
		For >20,000, Deduct	-0.47	
09 91 23 00-0006	SF	1 Coat Filler, Brush/Roller Work, Paint Interior Brick Walls.....	0.93	
		For Oil Based Paint, Add	0.06	
		For Work >15' To 20' Above Floor, Add	0.10	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.17	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.27	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.37	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.55	
		For >100 To 250, Add	0.26	
		For >250 To 500, Add	0.11	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.09	
		For >10,000 To 20,000, Deduct	-0.14	
		For >20,000, Deduct	-0.19	
09 91 23 00-0007	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Brick Walls.....	1.17	
		For Oil Based Paint, Add	0.08	
		For Work >15' To 20' Above Floor, Add	0.12	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.20	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.32	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.43	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.65	
		For >100 To 250, Add	0.31	
		For >250 To 500, Add	0.14	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.12	
		For >10,000 To 20,000, Deduct	-0.18	
		For >20,000, Deduct	-0.23	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0008	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Brick Walls	2.03	
		For Oil Based Paint, Add	0.14	
		For Work >15' To 20' Above Floor, Add	0.20	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.34	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.54	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.74	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.11	
		For >100 To 250, Add	0.54	
		For >250 To 500, Add	0.24	
		For >2,500 To 5,000, Deduct	-0.10	
		For >5,000 To 10,000, Deduct	-0.20	
		For >10,000 To 20,000, Deduct	-0.30	
		For >20,000, Deduct	-0.41	
09 91 23 00-0009	SF	1 Coat Filler, Sprayed, Paint Interior Brick Walls	0.83	
		For Oil Based Paint, Add	0.06	
		For Work >15' To 20' Above Floor, Add	0.08	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.13	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.21	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.29	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.44	
		For >100 To 250, Add	0.22	
		For >250 To 500, Add	0.09	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.08	
		For >10,000 To 20,000, Deduct	-0.12	
		For >20,000, Deduct	-0.17	
		For Backroll, Add	0.09	
09 91 23 00-0010	SF	1 Coat Paint, Sprayed, Paint Interior Brick Walls	0.94	
		For Oil Based Paint, Add	0.07	
		For Work >15' To 20' Above Floor, Add	0.08	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.13	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.21	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.29	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.45	
		For >100 To 250, Add	0.22	
		For >250 To 500, Add	0.10	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.09	
		For >10,000 To 20,000, Deduct	-0.14	
		For >20,000, Deduct	-0.19	
		For Backroll, Add	0.10	
09 91 23 00-0011	SF	2 Coats Paint, Sprayed, Paint Interior Brick Walls	1.60	
		For Oil Based Paint, Add	0.12	
		For Work >15' To 20' Above Floor, Add	0.13	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.22	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.35	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.48	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.77	
		For >100 To 250, Add	0.38	
		For >250 To 500, Add	0.17	
		For >2,500 To 5,000, Deduct	-0.08	
		For >5,000 To 10,000, Deduct	-0.16	
		For >10,000 To 20,000, Deduct	-0.24	
		For >20,000, Deduct	-0.32	
		For Backroll, Add	0.17	
09 91 23 00-0012	SF	1 Coat Bonding Agent, Brush Work, Paint Interior Brick Walls	1.17	
		For Work >15' To 20' Above Floor, Add	0.13	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.22	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.35	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.48	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.70	
		For >100 To 250, Add	0.33	
		For >250 To 500, Add	0.15	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.12	
		For >10,000 To 20,000, Deduct	-0.18	
		For >20,000, Deduct	-0.23	

09 Finishes**09 90 Painting and Coating****09 91 Painting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 91 23 00-0013	SF	1 Coat Bonding Agent, Brush/Roller Work, Paint Interior Brick Walls.....	0.98
		For Work >15' To 20' Above Floor, Add	0.10
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.17
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.27
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.37
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.56
		For >100 To 250, Add	0.27
		For >250 To 500, Add	0.12
		For >2,500 To 5,000, Deduct	-0.05
		For >5,000 To 10,000, Deduct	-0.10
		For >10,000 To 20,000, Deduct	-0.15
		For >20,000, Deduct	-0.20
09 91 23 00-0014	SF	1 Coat Bonding Agent, Sprayed, Paint Interior Brick Walls.....	0.88
		For Work >15' To 20' Above Floor, Add	0.08
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.13
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.21
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.29
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.45
		For >100 To 250, Add	0.22
		For >250 To 500, Add	0.10
		For >2,500 To 5,000, Deduct	-0.04
		For >5,000 To 10,000, Deduct	-0.09
		For >10,000 To 20,000, Deduct	-0.13
		For >20,000, Deduct	-0.18
		For Backroll, Add	0.10
09 91 23 00-0015	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Brick Walls.....	0.22
		For Work >15' To 20' Above Floor, Add	0.03
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.04
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.07
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.09
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.14
		For >100 To 250, Add	0.06
		For >250 To 500, Add	0.03
		For >2,500 To 5,000, Deduct	-0.01
		For >5,000 To 10,000, Deduct	-0.02
		For >10,000 To 20,000, Deduct	-0.03
		For >20,000, Deduct	-0.04

09 91 23 00-0016 Paint Interior Concrete Walls (09 91 23 00-0001)

09 91 23 00-0017	SF	1 Coat Filler, Brush Work, Paint Interior Concrete Walls	0.95
		For Oil Based Paint, Add	0.06
		For Epoxy Paint, Add	0.11
		For Work >15' To 20' Above Floor, Add	0.11
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.19
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.30
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.41
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.59
		For >100 To 250, Add	0.28
		For >250 To 500, Add	0.12
		For >2,500 To 5,000, Deduct	-0.05
		For >5,000 To 10,000, Deduct	-0.10
		For >10,000 To 20,000, Deduct	-0.14
		For >20,000, Deduct	-0.19
09 91 23 00-0018	SF	1 Coat Paint, Brush Work, Paint Interior Concrete Walls	1.03
		For Oil Based Paint, Add	0.06
		For Epoxy Paint, Add	0.10
		For Work >15' To 20' Above Floor, Add	0.13
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.22
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.34
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.47
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.67
		For >100 To 250, Add	0.32
		For >250 To 500, Add	0.14
		For >2,500 To 5,000, Deduct	-0.05
		For >5,000 To 10,000, Deduct	-0.10
		For >10,000 To 20,000, Deduct	-0.15
		For >20,000, Deduct	-0.21

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
09 91 23 00-0019	SF		2 Coats Paint, Brush Work, Paint Interior Concrete Walls	1.85	
			For Oil Based Paint, Add	0.11	
			For Epoxy Paint, Add	0.17	
			For Work >15' To 20' Above Floor, Add	0.24	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.40	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.64	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.88	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.24	
			For >100 To 250, Add	0.59	
			For >250 To 500, Add	0.25	
			For >2,500 To 5,000, Deduct	-0.09	
			For >5,000 To 10,000, Deduct	-0.19	
			For >10,000 To 20,000, Deduct	-0.28	
			For >20,000, Deduct	-0.37	
09 91 23 00-0020	SF		1 Coat Filler, Brush/Roller Work, Paint Interior Concrete Walls	0.78	
			For Oil Based Paint, Add	0.05	
			For Epoxy Paint, Add	0.10	
			For Work >15' To 20' Above Floor, Add	0.09	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.14	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.23	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.31	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.46	
			For >100 To 250, Add	0.22	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.16	
09 91 23 00-0021	SF		1 Coat Paint, Brush/Roller Work, Paint Interior Concrete Walls	0.87	
			For Oil Based Paint, Add	0.05	
			For Epoxy Paint, Add	0.09	
			For Work >15' To 20' Above Floor, Add	0.11	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.18	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.28	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.39	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.55	
			For >100 To 250, Add	0.26	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.17	
09 91 23 00-0022	SF		2 Coats Paint, Brush/Roller Work, Paint Interior Concrete Walls	1.60	
			For Oil Based Paint, Add	0.10	
			For Epoxy Paint, Add	0.18	
			For Work >15' To 20' Above Floor, Add	0.19	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.32	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.50	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.69	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.00	
			For >100 To 250, Add	0.48	
			For >250 To 500, Add	0.21	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.16	
			For >10,000 To 20,000, Deduct	-0.24	
			For >20,000, Deduct	-0.32	
09 91 23 00-0023	SF		1 Coat Filler, Sprayed, Paint Interior Concrete Walls	0.66	
			For Oil Based Paint, Add	0.05	
			For Epoxy Paint, Add	0.11	
			For Work >15' To 20' Above Floor, Add	0.06	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.10	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.16	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.23	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.35	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.13	
			For Backroll, Add	0.07	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

09 91 23 00-0024	SF	1 Coat Paint, Sprayed, Paint Interior Concrete Walls	0.74	
		For Oil Based Paint, Add	0.05	
		For Epoxy Paint, Add	0.10	
		For Work >15' To 20' Above Floor, Add	0.08	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.13	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.21	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.29	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.43	
		For >100 To 250, Add	0.21	
		For >250 To 500, Add	0.09	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.07	
		For >10,000 To 20,000, Deduct	-0.11	
		For >20,000, Deduct	-0.15	
		For Backroll, Add	0.09	
09 91 23 00-0025	SF	2 Coats Paint, Sprayed, Paint Interior Concrete Walls	1.20	
		For Oil Based Paint, Add	0.08	
		For Epoxy Paint, Add	0.19	
		For Work >15' To 20' Above Floor, Add	0.12	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.20	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.31	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.43	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.65	
		For >100 To 250, Add	0.32	
		For >250 To 500, Add	0.14	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.12	
		For >10,000 To 20,000, Deduct	-0.18	
		For >20,000, Deduct	-0.24	
		For Backroll, Add	0.14	
09 91 23 00-0026	SF	1 Coat Bonding Agent, Brush Work, Paint Interior Concrete Walls	0.99	
		For Work >15' To 20' Above Floor, Add	0.11	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.19	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.30	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.41	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.59	
		For >100 To 250, Add	0.28	
		For >250 To 500, Add	0.12	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.10	
		For >10,000 To 20,000, Deduct	-0.15	
		For >20,000, Deduct	-0.20	
09 91 23 00-0027	SF	1 Coat Bonding Agent, Brush/Roller Work, Paint Interior Concrete Walls	0.82	
		For Work >15' To 20' Above Floor, Add	0.09	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.14	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.23	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.31	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.47	
		For >100 To 250, Add	0.22	
		For >250 To 500, Add	0.10	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.08	
		For >10,000 To 20,000, Deduct	-0.12	
		For >20,000, Deduct	-0.16	
09 91 23 00-0028	SF	1 Coat Bonding Agent, Sprayed, Paint Interior Concrete Walls	0.71	
		For Work >15' To 20' Above Floor, Add	0.06	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.10	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.16	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.23	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.35	
		For >100 To 250, Add	0.17	
		For >250 To 500, Add	0.08	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.07	
		For >10,000 To 20,000, Deduct	-0.11	
		For >20,000, Deduct	-0.14	
		For Backroll, Add	0.08	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
09 91 23 00-0029	LF	1	Coat Paint, Cut-in Brush Work, Paint Interior Concrete Walls	0.17	
			For Work >15' To 20' Above Floor, Add	0.02	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.04	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.06	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.08	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.11	
			For >100 To 250, Add	0.05	
			For >250 To 500, Add	0.02	
			For >2,500 To 5,000, Deduct	-0.01	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 20,000, Deduct	-0.03	
			For >20,000, Deduct	-0.03	
09 91 23 00-0030			Paint Interior Concrete Block Walls (09 91 23 00-0001)		
09 91 23 00-0031			Paint Interior Concrete Block Walls, Epoxy Paint (09 91 23 00-0030)		
09 91 23 00-0032	LF	1	Coat Epoxy Paint, Cut-in Brush Work, Paint Interior Concrete Block Walls.....	0.56	
			For Work >15' To 20' Above Floor, Add	0.03	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.05	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.07	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.10	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.19	
			For >100 To 250, Add	0.10	
			For >250 To 500, Add	0.05	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.08	
			For >20,000, Deduct	-0.11	
09 91 23 00-0033	SF	1	Coat Epoxy Filler, Brush Work, Paint Interior Concrete Block Walls.....	1.35	
			For Work >15' To 20' Above Floor, Add	0.15	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.24	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.39	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.53	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.78	
			For >100 To 250, Add	0.38	
			For >250 To 500, Add	0.16	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.14	
			For >10,000 To 20,000, Deduct	-0.20	
			For >20,000, Deduct	-0.27	
09 91 23 00-0034	SF	1	Coat Epoxy Paint, Brush Work, Paint Interior Concrete Block Walls	1.55	
			For Work >15' To 20' Above Floor, Add	0.18	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.29	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.47	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.64	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.93	
			For >100 To 250, Add	0.45	
			For >250 To 500, Add	0.19	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.16	
			For >10,000 To 20,000, Deduct	-0.23	
			For >20,000, Deduct	-0.31	
09 91 23 00-0035	SF	2	Coats Epoxy Paint, Brush Work, Paint Interior Concrete Block Walls	2.78	
			For Work >15' To 20' Above Floor, Add	0.30	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.51	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.81	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.11	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.63	
			For >100 To 250, Add	0.78	
			For >250 To 500, Add	0.34	
			For >2,500 To 5,000, Deduct	-0.14	
			For >5,000 To 10,000, Deduct	-0.28	
			For >10,000 To 20,000, Deduct	-0.42	
			For >20,000, Deduct	-0.56	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

09 91 23 00-0036	SF	1 Coat Epoxy Filler, Brush/Roller Work, Paint Interior Concrete Block Walls	1.12	
		For Work >15' To 20' Above Floor, Add	0.11	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.19	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.30	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.41	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.61	
		For >100 To 250, Add	0.30	
		For >250 To 500, Add	0.13	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.11	
		For >10,000 To 20,000, Deduct	-0.17	
		For >20,000, Deduct	-0.22	
09 91 23 00-0037	SF	1 Coat Epoxy Paint, Brush/Roller Work, Paint Interior Concrete Block Walls	1.23	
		For Work >15' To 20' Above Floor, Add	0.13	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.21	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.34	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.47	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.69	
		For >100 To 250, Add	0.34	
		For >250 To 500, Add	0.15	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.12	
		For >10,000 To 20,000, Deduct	-0.18	
		For >20,000, Deduct	-0.25	
09 91 23 00-0038	SF	2 Coats Epoxy Paint, Brush/Roller Work, Paint Interior Concrete Block Walls	2.33	
		For Work >15' To 20' Above Floor, Add	0.24	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.39	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.63	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.86	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.29	
		For >100 To 250, Add	0.63	
		For >250 To 500, Add	0.27	
		For >2,500 To 5,000, Deduct	-0.12	
		For >5,000 To 10,000, Deduct	-0.23	
		For >10,000 To 20,000, Deduct	-0.35	
		For >20,000, Deduct	-0.47	
09 91 23 00-0039	SF	1 Coat Epoxy Filler, Sprayed, Paint Interior Concrete Block Walls	0.94	
		For Work >15' To 20' Above Floor, Add	0.07	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.12	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.19	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.26	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.42	
		For >100 To 250, Add	0.21	
		For >250 To 500, Add	0.09	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.09	
		For >10,000 To 20,000, Deduct	-0.14	
		For >20,000, Deduct	-0.19	
		For Backroll, Add	0.09	
09 91 23 00-0040	SF	1 Coat Epoxy Paint, Sprayed, Paint Interior Concrete Block Walls	1.11	
		For Work >15' To 20' Above Floor, Add	0.10	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.16	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.26	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.35	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.55	
		For >100 To 250, Add	0.27	
		For >250 To 500, Add	0.12	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.11	
		For >10,000 To 20,000, Deduct	-0.17	
		For >20,000, Deduct	-0.22	
		For Backroll, Add	0.12	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0041	SF	2 Coats Epoxy Paint, Sprayed, Paint Interior Concrete Block Walls.....	2.07	
		For Work >15' To 20' Above Floor, Add	0.16	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.27	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.44	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.60	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.96	
		For >100 To 250, Add	0.48	
		For >250 To 500, Add	0.21	
		For >2,500 To 5,000, Deduct	-0.10	
		For >5,000 To 10,000, Deduct	-0.21	
		For >10,000 To 20,000, Deduct	-0.31	
		For >20,000, Deduct	-0.41	
		For Backroll, Add	0.21	
09 91 23 00-0042		Paint Interior Concrete Block Walls, Acrylic Latex Paint (09 91 23 00-0030)		
09 91 23 00-0043	SF	1 Coat Filler, Brush Work, Paint Interior Concrete Block Walls	1.22	
		For Oil Based Paint, Add	0.07	
		For Work >15' To 20' Above Floor, Add	0.15	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.24	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.39	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.53	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.77	
		For >100 To 250, Add	0.36	
		For >250 To 500, Add	0.16	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.12	
		For >10,000 To 20,000, Deduct	-0.18	
		For >20,000, Deduct	-0.24	
09 91 23 00-0044	SF	1 Coat Paint, Brush Work, Paint Interior Concrete Block Walls	1.47	
		For Oil Based Paint, Add	0.09	
		For Work >15' To 20' Above Floor, Add	0.17	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.28	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.45	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.62	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.90	
		For >100 To 250, Add	0.43	
		For >250 To 500, Add	0.19	
		For >2,500 To 5,000, Deduct	-0.07	
		For >5,000 To 10,000, Deduct	-0.15	
		For >10,000 To 20,000, Deduct	-0.22	
		For >20,000, Deduct	-0.29	
09 91 23 00-0045	SF	2 Coats Paint, Brush Work, Paint Interior Concrete Block Walls	2.67	
		For Oil Based Paint, Add	0.17	
		For Work >15' To 20' Above Floor, Add	0.30	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.50	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.80	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	1.09	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.59	
		For >100 To 250, Add	0.76	
		For >250 To 500, Add	0.33	
		For >2,500 To 5,000, Deduct	-0.13	
		For >5,000 To 10,000, Deduct	-0.27	
		For >10,000 To 20,000, Deduct	-0.40	
		For >20,000, Deduct	-0.53	
09 91 23 00-0046	SF	1 Coat Texture Paint, Brush Work, Paint Interior Concrete Block Walls	1.63	
		For Oil Based Paint, Add	0.10	
		For Work >15' To 20' Above Floor, Add	0.19	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.31	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.50	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.69	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.99	
		For >100 To 250, Add	0.48	
		For >250 To 500, Add	0.21	
		For >2,500 To 5,000, Deduct	-0.08	
		For >5,000 To 10,000, Deduct	-0.16	
		For >10,000 To 20,000, Deduct	-0.24	
		For >20,000, Deduct	-0.33	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

09 91 23 00-0047	SF	1 Coat Filler, Brush/Roller Work, Paint Interior Concrete Block Walls	1.04	
		For Oil Based Paint, Add	0.06	
		For Work >15' To 20' Above Floor, Add	0.12	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.20	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.32	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.43	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.63	
		For >100 To 250, Add	0.30	
		For >250 To 500, Add	0.13	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.10	
		For >10,000 To 20,000, Deduct	-0.16	
		For >20,000, Deduct	-0.21	
09 91 23 00-0048	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Concrete Block Walls	1.25	
		For Oil Based Paint, Add	0.08	
		For Work >15' To 20' Above Floor, Add	0.14	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.23	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.36	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.50	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.73	
		For >100 To 250, Add	0.35	
		For >250 To 500, Add	0.15	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.13	
		For >10,000 To 20,000, Deduct	-0.19	
		For >20,000, Deduct	-0.25	
09 91 23 00-0049	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Concrete Block Walls	2.25	
		For Oil Based Paint, Add	0.15	
		For Work >15' To 20' Above Floor, Add	0.24	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.39	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.63	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.86	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.28	
		For >100 To 250, Add	0.62	
		For >250 To 500, Add	0.27	
		For >2,500 To 5,000, Deduct	-0.11	
		For >5,000 To 10,000, Deduct	-0.23	
		For >10,000 To 20,000, Deduct	-0.34	
		For >20,000, Deduct	-0.45	
09 91 23 00-0050	SF	1 Coat Texture Paint, Brush/Roller Work, Paint Interior Concrete Block Walls	1.40	
		For Oil Based Paint, Add	0.09	
		For Work >15' To 20' Above Floor, Add	0.15	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.26	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.41	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.56	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.82	
		For >100 To 250, Add	0.40	
		For >250 To 500, Add	0.17	
		For >2,500 To 5,000, Deduct	-0.07	
		For >5,000 To 10,000, Deduct	-0.14	
		For >10,000 To 20,000, Deduct	-0.21	
		For >20,000, Deduct	-0.28	
09 91 23 00-0051	SF	1 Coat Filler, Sprayed, Paint Interior Concrete Block Walls	0.93	
		For Oil Based Paint, Add	0.06	
		For Work >15' To 20' Above Floor, Add	0.09	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.15	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.24	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.32	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.49	
		For >100 To 250, Add	0.24	
		For >250 To 500, Add	0.11	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.09	
		For >10,000 To 20,000, Deduct	-0.14	
		For >20,000, Deduct	-0.19	
		For Backroll, Add	0.11	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0052	SF		1 Coat Paint, Sprayed, Paint Interior Concrete Block Walls	1.06	
			For Oil Based Paint, Add	0.07	
			For Work >15' To 20' Above Floor, Add	0.10	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.16	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.26	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.35	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.54	
			For >100 To 250, Add	0.27	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.16	
			For >20,000, Deduct	-0.21	
			For Backroll, Add	0.12	
09 91 23 00-0053	SF		2 Coats Paint, Sprayed, Paint Interior Concrete Block Walls.....	1.80	
			For Oil Based Paint, Add	0.13	
			For Work >15' To 20' Above Floor, Add	0.15	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.25	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.40	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.54	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.86	
			For >100 To 250, Add	0.43	
			For >250 To 500, Add	0.19	
			For >2,500 To 5,000, Deduct	-0.09	
			For >5,000 To 10,000, Deduct	-0.18	
			For >10,000 To 20,000, Deduct	-0.27	
			For >20,000, Deduct	-0.36	
			For Backroll, Add	0.19	
09 91 23 00-0054	SF		1 Coat Texture Paint, Sprayed, Paint Interior Concrete Block Walls	1.26	
			For Oil Based Paint, Add	0.09	
			For Work >15' To 20' Above Floor, Add	0.11	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.19	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.30	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.41	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.64	
			For >100 To 250, Add	0.31	
			For >250 To 500, Add	0.14	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.19	
			For >20,000, Deduct	-0.25	
			For Backroll, Add	0.14	
09 91 23 00-0055	LF		1 Coat Paint, Cut-in Brush Work, Paint Interior Concrete Block Walls.....	0.24	
			For Oil Based Paint, Add	0.02	
			For Work >15' To 20' Above Floor, Add	0.03	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.05	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.07	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.10	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.14	
			For >100 To 250, Add	0.07	
			For >250 To 500, Add	0.03	
			For >2,500 To 5,000, Deduct	-0.01	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 20,000, Deduct	-0.04	
			For >20,000, Deduct	-0.05	
09 91 23 00-0056			Paint Interior Concrete Block Walls With Bonding Agent (09 91 23 00-0030)	1.27	
09 91 23 00-0057	SF		1 Coat Bonding Agent, Brush Work, Paint Interior Concrete Block Walls.....	1.27	
			For Work >15' To 20' Above Floor, Add	0.15	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.24	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.39	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.53	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.77	
			For >100 To 250, Add	0.37	
			For >250 To 500, Add	0.16	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.19	
			For >20,000, Deduct	-0.25	

09 Finishes**09 90 Painting and Coating****09 91 Painting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 91 23 00-0058	SF	1 Coat Bonding Agent, Brush/Roller Work, Paint Interior Concrete Block Walls.....	1.09	
		<i>For Work >15' To 20' Above Floor, Add</i>	0.12	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work >20' To 30' Above Floor, Add</i>	0.20	
		<i>Note: Applied only to work area above 20' to 30'.</i>		
		<i>For Work >30' To 40' Above Floor, Add</i>	0.32	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work >40' Above Floor, Add</i>	0.43	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Up To 100, Add</i>	0.64	
		<i>For >100 To 250, Add</i>	0.31	
		<i>For >250 To 500, Add</i>	0.13	
		<i>For >2,500 To 5,000, Deduct</i>	-0.05	
		<i>For >5,000 To 10,000, Deduct</i>	-0.11	
		<i>For >10,000 To 20,000, Deduct</i>	-0.16	
		<i>For >20,000, Deduct</i>	-0.22	
09 91 23 00-0059	SF	1 Coat Bonding Agent, Sprayed, Paint Interior Concrete Block Walls	0.99	
		<i>For Work >15' To 20' Above Floor, Add</i>	0.09	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work >20' To 30' Above Floor, Add</i>	0.15	
		<i>Note: Applied only to work area above 20' to 30'.</i>		
		<i>For Work >30' To 40' Above Floor, Add</i>	0.24	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work >40' Above Floor, Add</i>	0.32	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Up To 100, Add</i>	0.50	
		<i>For >100 To 250, Add</i>	0.25	
		<i>For >250 To 500, Add</i>	0.11	
		<i>For >2,500 To 5,000, Deduct</i>	-0.05	
		<i>For >5,000 To 10,000, Deduct</i>	-0.10	
		<i>For >10,000 To 20,000, Deduct</i>	-0.15	
		<i>For >20,000, Deduct</i>	-0.20	
		<i>For Backroll, Add</i>	0.11	

09 91 23 00-0060 Paint Interior Plaster/Drywall Walls (09 91 23 00-0001)**09 91 23 00-0061 Paint Interior Plaster/Drywall Walls (09 91 23 00-0060)**

09 91 23 00-0062	SF	1 Coat Primer, Brush Work, Paint Interior Plaster/Drywall Walls	1.00	
		<i>For Oil Based Paint, Add</i>	0.06	
		<i>For Orange Peel Finish, Add</i>	0.14	
		<i>For Epoxy Paint, Add</i>	0.11	
		<i>For Work >15' To 20' Above Floor, Add</i>	0.12	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work >20' To 30' Above Floor, Add</i>	0.20	
		<i>Note: Applied only to work area above 20' to 30'.</i>		
		<i>For Work >30' To 40' Above Floor, Add</i>	0.32	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work >40' Above Floor, Add</i>	0.43	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Up To 100, Add</i>	0.62	
		<i>For >100 To 250, Add</i>	0.30	
		<i>For >250 To 500, Add</i>	0.13	
		<i>For >2,500 To 5,000, Deduct</i>	-0.05	
		<i>For >5,000 To 10,000, Deduct</i>	-0.10	
		<i>For >10,000 To 20,000, Deduct</i>	-0.15	
		<i>For >20,000, Deduct</i>	-0.20	
09 91 23 00-0063	SF	1 Coat Paint, Brush Work, Paint Interior Plaster/Drywall Walls.....	1.04	
		<i>For Oil Based Paint, Add</i>	0.06	
		<i>For Orange Peel Finish, Add</i>	0.14	
		<i>For Epoxy Paint, Add</i>	0.10	
		<i>For Work >15' To 20' Above Floor, Add</i>	0.13	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work >20' To 30' Above Floor, Add</i>	0.22	
		<i>Note: Applied only to work area above 20' to 30'.</i>		
		<i>For Work >30' To 40' Above Floor, Add</i>	0.35	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work >40' Above Floor, Add</i>	0.48	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Up To 100, Add</i>	0.68	
		<i>For >100 To 250, Add</i>	0.32	
		<i>For >250 To 500, Add</i>	0.14	
		<i>For >2,500 To 5,000, Deduct</i>	-0.05	
		<i>For >5,000 To 10,000, Deduct</i>	-0.10	
		<i>For >10,000 To 20,000, Deduct</i>	-0.16	
		<i>For >20,000, Deduct</i>	-0.21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0064	SF		2 Coats Paint, Brush Work, Paint Interior Plaster/Drywall Walls.....	1.91	
			For Oil Based Paint, Add	0.11	
			For Orange Peel Finish, Add	0.26	
			For Epoxy Paint, Add	0.20	
			For Work >15' To 20' Above Floor, Add	0.24	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.39	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.63	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.86	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.23	
			For >100 To 250, Add	0.58	
			For >250 To 500, Add	0.25	
			For >2,500 To 5,000, Deduct	-0.10	
			For >5,000 To 10,000, Deduct	-0.19	
			For >10,000 To 20,000, Deduct	-0.29	
			For >20,000, Deduct	-0.38	
09 91 23 00-0065	SF		1 Coat Primer, Brush/Roller Work, Paint Interior Plaster/Drywall Walls.....	0.80	
			For Oil Based Paint, Add	0.05	
			For Orange Peel Finish, Add	0.11	
			For Epoxy Paint, Add	0.10	
			For Work >15' To 20' Above Floor, Add	0.09	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.15	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.24	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.32	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.47	
			For >100 To 250, Add	0.23	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.16	
09 91 23 00-0066	SF		1 Coat Paint, Brush/Roller Work, Paint Interior Plaster/Drywall Walls.....	0.90	
			For Oil Based Paint, Add	0.05	
			For Orange Peel Finish, Add	0.12	
			For Epoxy Paint, Add	0.10	
			For Work >15' To 20' Above Floor, Add	0.11	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.18	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.28	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.39	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.56	
			For >100 To 250, Add	0.27	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.18	
09 91 23 00-0067	SF		2 Coats Paint, Brush/Roller Work, Paint Interior Plaster/Drywall Walls.....	1.61	
			For Oil Based Paint, Add	0.10	
			For Orange Peel Finish, Add	0.22	
			For Epoxy Paint, Add	0.19	
			For Work >15' To 20' Above Floor, Add	0.18	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.31	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.49	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.68	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.98	
			For >100 To 250, Add	0.47	
			For >250 To 500, Add	0.20	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.16	
			For >10,000 To 20,000, Deduct	-0.24	
			For >20,000, Deduct	-0.32	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

09 91 23 00-0068	SF	1 Coat Primer, Sprayed, Paint Interior Plaster/Drywall Walls.....	0.69	
		For Oil Based Paint, Add	0.05	
		For Epoxy Paint, Add	0.11	
		For Work >15' To 20' Above Floor, Add	0.07	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.11	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.18	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.24	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.37	
		For >100 To 250, Add	0.18	
		For >250 To 500, Add	0.08	
		For >2,500 To 5,000, Deduct	-0.03	
		For >5,000 To 10,000, Deduct	-0.07	
		For >10,000 To 20,000, Deduct	-0.10	
		For >20,000, Deduct	-0.14	
		For Backroll, Add	0.08	
09 91 23 00-0069	SF	1 Coat Paint, Sprayed, Paint Interior Plaster/Drywall Walls.....	0.74	
		For Oil Based Paint, Add	0.05	
		For Epoxy Paint, Add	0.10	
		For Work >15' To 20' Above Floor, Add	0.08	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.13	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.21	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.29	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.43	
		For >100 To 250, Add	0.21	
		For >250 To 500, Add	0.09	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.07	
		For >10,000 To 20,000, Deduct	-0.11	
		For >20,000, Deduct	-0.15	
		For Backroll, Add	0.09	
09 91 23 00-0070	SF	2 Coats Paint, Sprayed, Paint Interior Plaster/Drywall Walls	1.20	
		For Oil Based Paint, Add	0.08	
		For Epoxy Paint, Add	0.19	
		For Work >15' To 20' Above Floor, Add	0.12	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.20	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.31	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.43	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.65	
		For >100 To 250, Add	0.32	
		For >250 To 500, Add	0.14	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.12	
		For >10,000 To 20,000, Deduct	-0.18	
		For >20,000, Deduct	-0.24	
		For Backroll, Add	0.14	
09 91 23 00-0071	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Plaster/Drywall Walls	0.18	
		For Oil Based Paint, Add	0.01	
		For Work >15' To 20' Above Floor, Add	0.02	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.04	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.06	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.08	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.12	
		For >100 To 250, Add	0.06	
		For >250 To 500, Add	0.02	
		For >2,500 To 5,000, Deduct	-0.01	
		For >5,000 To 10,000, Deduct	-0.02	
		For >10,000 To 20,000, Deduct	-0.03	
		For >20,000, Deduct	-0.04	

09 91 23 00-0072 Paint Interior Plaster/Drywall Or Masonry Walls With Polymix Multi-Color
Paint (09 91 23 00-0060)

Cal Poly Humboldt.			Finishes 09		09
			Painting and Coating 09 90		
			Painting 09 91		
MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
09 91 23 00-0073	SF	2 Tone Polymix With Base Coat, Sprayed, Paint Interior Plaster/Drywall Or Masonry Walls	2.19		
		For Work >15' To 20' Above Floor, Add	0.14		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.23		
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add	0.37		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.51		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.88		
		For >100 To 250, Add	0.45		
		For >250 To 500, Add	0.20		
		For >2,500 To 5,000, Deduct	-0.11		
		For >5,000 To 10,000, Deduct	-0.22		
		For >10,000 To 20,000, Deduct	-0.33		
		For >20,000, Deduct	-0.44		
09 91 23 00-0074	SF	3 Tone Polymix With Base Coat, Sprayed, Paint Interior Plaster/Drywall Or Masonry Walls	2.41		
		For Work >15' To 20' Above Floor, Add	0.14		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.23		
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add	0.37		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.51		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.91		
		For >100 To 250, Add	0.47		
		For >250 To 500, Add	0.21		
		For >2,500 To 5,000, Deduct	-0.12		
		For >5,000 To 10,000, Deduct	-0.24		
		For >10,000 To 20,000, Deduct	-0.36		
		For >20,000, Deduct	-0.48		
09 91 23 00-0075	SF	4 Tone Polymix With Base Coat, Sprayed, Paint Interior Plaster/Drywall Or Masonry Walls	2.62		
		For Work >15' To 20' Above Floor, Add	0.14		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.23		
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add	0.37		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.51		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.95		
		For >100 To 250, Add	0.49		
		For >250 To 500, Add	0.22		
		For >2,500 To 5,000, Deduct	-0.13		
		For >5,000 To 10,000, Deduct	-0.26		
		For >10,000 To 20,000, Deduct	-0.39		
		For >20,000, Deduct	-0.52		
09 91 23 00-0076		Paint Interior Plaster/Drywall Walls, Acoustic Texture (09 91 23 00-0060)			
09 91 23 00-0077	SF	1 Coat Primer, Sprayed, Acoustic Texture, Paint Interior Plaster/Drywall Walls	0.86		
		For Work >15' To 20' Above Floor, Add	0.08		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.13		
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add	0.21		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.29		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.44		
		For >100 To 250, Add	0.22		
		For >250 To 500, Add	0.10		
		For >2,500 To 5,000, Deduct	-0.04		
		For >5,000 To 10,000, Deduct	-0.09		
		For >10,000 To 20,000, Deduct	-0.13		
		For >20,000, Deduct	-0.17		
09 91 23 00-0078	SF	1 Coat Finish, Sprayed, Acoustic Texture, Paint Interior Plaster/Drywall Walls	0.99		
		For Work >15' To 20' Above Floor, Add	0.10		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.16		
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add	0.26		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.36		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.54		
		For >100 To 250, Add	0.26		
		For >250 To 500, Add	0.11		
		For >2,500 To 5,000, Deduct	-0.05		
		For >5,000 To 10,000, Deduct	-0.10		
		For >10,000 To 20,000, Deduct	-0.15		
		For >20,000, Deduct	-0.20		

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

09 91 23 00-0079	SF	2 Coats Finish, Sprayed, Acoustic Texture, Paint Interior Plaster/Drywall Walls	1.60
		For Work >15' To 20' Above Floor, Add	0.14
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.23
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.37
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.51
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.79
		For >100 To 250, Add	0.39
		For >250 To 500, Add	0.17
		For >2,500 To 5,000, Deduct	-0.08
		For >5,000 To 10,000, Deduct	-0.16
		For >10,000 To 20,000, Deduct	-0.24
		For >20,000, Deduct	-0.32
09 91 23 00-0080	SF	Stipple Finish (Drippowder), Paint Interior Plaster/Drywall Walls	1.54
		For Work >15' To 20' Above Floor, Add	0.21
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.35
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.56
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.77
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	1.07
		For >100 To 250, Add	0.50
		For >250 To 500, Add	0.22
		For >2,500 To 5,000, Deduct	-0.08
		For >5,000 To 10,000, Deduct	-0.15
		For >10,000 To 20,000, Deduct	-0.23
		For >20,000, Deduct	-0.31
09 91 23 00-0081		Paint Interior Metal Walls (09 91 23 00-0001)	
09 91 23 00-0082		Paint Interior Galvanized Walls (09 91 23 00-0081)	
		Note: Linseed oil or acrylic latex paint.	
09 91 23 00-0083	SF	1 Coat Primer, Brush Work, Paint Interior Galvanized Wall Surfaces	1.28
		For Electrostatic Painting, Add	0.19
		For Work >15' To 20' Above Floor, Add	0.13
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.22
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.35
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.48
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.71
		For >100 To 250, Add	0.35
		For >250 To 500, Add	0.15
		For >2,500 To 5,000, Deduct	-0.06
		For >5,000 To 10,000, Deduct	-0.13
		For >10,000 To 20,000, Deduct	-0.19
		For >20,000, Deduct	-0.26
09 91 23 00-0084	SF	1 Coat Paint, Brush Work, Paint Interior Galvanized Wall Surfaces	1.40
		For Electrostatic Painting, Add	0.20
		For Work >15' To 20' Above Floor, Add	0.15
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.25
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.40
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.54
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.80
		For >100 To 250, Add	0.39
		For >250 To 500, Add	0.17
		For >2,500 To 5,000, Deduct	-0.07
		For >5,000 To 10,000, Deduct	-0.14
		For >10,000 To 20,000, Deduct	-0.21
		For >20,000, Deduct	-0.28
09 91 23 00-0085	SF	2 Coats Paint, Brush Work, Paint Interior Galvanized Wall Surfaces	2.58
		For Electrostatic Painting, Add	0.38
		For Work >15' To 20' Above Floor, Add	0.26
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.44
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.70
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.96
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	1.43
		For >100 To 250, Add	0.69
		For >250 To 500, Add	0.30
		For >2,500 To 5,000, Deduct	-0.13
		For >5,000 To 10,000, Deduct	-0.26
		For >10,000 To 20,000, Deduct	-0.39
		For >20,000, Deduct	-0.52

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
09 91 23 00-0086	SF		1 Coat Primer, Brush/Roller Work, Paint Interior Galvanized Walls.....	0.97	
			For Electrostatic Painting, Add	0.15	
			For Work >15' To 20' Above Floor, Add	0.09	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.16	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.25	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.35	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.52	
			For >100 To 250, Add	0.25	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.19	
09 91 23 00-0087	SF		1 Coat Paint, Brush/Roller Work, Paint Interior Galvanized Wall.....	1.11	
			For Electrostatic Painting, Add	0.17	
			For Work >15' To 20' Above Floor, Add	0.11	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.19	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.30	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.41	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.62	
			For >100 To 250, Add	0.30	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.22	
09 91 23 00-0088	SF		2 Coats Paint, Brush/Roller Work, Paint Interior Galvanized Walls	2.09	
			For Electrostatic Painting, Add	0.32	
			For Work >15' To 20' Above Floor, Add	0.21	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.34	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.55	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.75	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.14	
			For >100 To 250, Add	0.55	
			For >250 To 500, Add	0.24	
			For >2,500 To 5,000, Deduct	-0.10	
			For >5,000 To 10,000, Deduct	-0.21	
			For >10,000 To 20,000, Deduct	-0.31	
			For >20,000, Deduct	-0.42	
09 91 23 00-0089	SF		1 Coat Primer, Sprayed, Paint Interior Galvanized Walls	0.85	
			For Electrostatic Painting, Add	0.16	
			For Work >15' To 20' Above Floor, Add	0.06	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.09	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.15	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.20	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.35	
			For >100 To 250, Add	0.18	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.17	
			For Backroll, Add	0.08	
09 91 23 00-0090	SF		1 Coat Paint, Sprayed, Paint Interior Galvanized Walls.....	1.07	
			For Electrostatic Painting, Add	0.18	
			For Work >15' To 20' Above Floor, Add	0.09	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.15	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.24	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.32	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.51	
			For >100 To 250, Add	0.25	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.16	
			For >20,000, Deduct	-0.21	
			For Backroll, Add	0.11	

09 Finishes**09 90 Painting and Coating****09 91 Painting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 91 23 00-0091	SF	2 Coats Paint, Sprayed, Paint Interior Galvanized Walls	1.83
		For Electrostatic Painting, Add	0.33
		For Work >15' To 20' Above Floor, Add	0.13
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.22
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.35
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.48
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.80
		For >100 To 250, Add	0.40
		For >250 To 500, Add	0.18
		For >2,500 To 5,000, Deduct	-0.09
		For >5,000 To 10,000, Deduct	-0.18
		For >10,000 To 20,000, Deduct	-0.27
		For >20,000, Deduct	-0.37
		For Backroll, Add	0.18

09 91 23 00-0092 Paint Interior Aluminum And Aluminum Alloy Walls (09 91 23 00-0081)

Note: Alkyd enamel paint.

09 91 23 00-0093	SF	1 Coat Primer, Brush Work, Paint Interior Aluminum And Aluminum Alloy Wall Surfaces	1.28
		For Electrostatic Painting, Add	0.19
		For Work >15' To 20' Above Floor, Add	0.13
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.22
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.35
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.48
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.71
		For >100 To 250, Add	0.35
		For >250 To 500, Add	0.15
		For >2,500 To 5,000, Deduct	-0.06
		For >5,000 To 10,000, Deduct	-0.13
		For >10,000 To 20,000, Deduct	-0.19
		For >20,000, Deduct	-0.26

09 91 23 00-0094	SF	1 Coat Paint, Brush Work, Paint Interior Aluminum And Aluminum Alloy Wall Surfaces	1.40
		For Electrostatic Painting, Add	0.20
		For Work >15' To 20' Above Floor, Add	0.15
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.25
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.40
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.54
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.80
		For >100 To 250, Add	0.39
		For >250 To 500, Add	0.17
		For >2,500 To 5,000, Deduct	-0.07
		For >5,000 To 10,000, Deduct	-0.14
		For >10,000 To 20,000, Deduct	-0.21
		For >20,000, Deduct	-0.28

09 91 23 00-0095	SF	2 Coats Paint, Brush Work, Paint Interior Aluminum And Aluminum Alloy Wall Surfaces	2.57
		For Electrostatic Painting, Add	0.38
		For Work >15' To 20' Above Floor, Add	0.26
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.44
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.70
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.96
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	1.43
		For >100 To 250, Add	0.69
		For >250 To 500, Add	0.30
		For >2,500 To 5,000, Deduct	-0.13
		For >5,000 To 10,000, Deduct	-0.26
		For >10,000 To 20,000, Deduct	-0.39
		For >20,000, Deduct	-0.51

09 91 23 00-0096	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Walls	1.10
		For Electrostatic Painting, Add	0.18
		For Work >15' To 20' Above Floor, Add	0.09
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.16
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.25
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.34
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.54
		For >100 To 250, Add	0.27
		For >250 To 500, Add	0.12
		For >2,500 To 5,000, Deduct	-0.06
		For >5,000 To 10,000, Deduct	-0.11
		For >10,000 To 20,000, Deduct	-0.17
		For >20,000, Deduct	-0.22

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0097	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Walls	1.23	
		For Electrostatic Painting, Add	0.20	
		For Work >15' To 20' Above Floor, Add	0.11	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.19	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.30	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.41	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.63	
		For >100 To 250, Add	0.31	
		For >250 To 500, Add	0.14	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.12	
		For >10,000 To 20,000, Deduct	-0.18	
		For >20,000, Deduct	-0.25	
09 91 23 00-0098	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Walls	2.33	
		For Electrostatic Painting, Add	0.38	
		For Work >15' To 20' Above Floor, Add	0.21	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.34	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.55	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.75	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.17	
		For >100 To 250, Add	0.58	
		For >250 To 500, Add	0.25	
		For >2,500 To 5,000, Deduct	-0.12	
		For >5,000 To 10,000, Deduct	-0.23	
		For >10,000 To 20,000, Deduct	-0.35	
		For >20,000, Deduct	-0.47	
09 91 23 00-0099	SF	1 Coat Primer, Sprayed, Paint Interior Aluminum And Aluminum Alloy Walls	0.92	
		For Electrostatic Painting, Add	0.16	
		For Work >15' To 20' Above Floor, Add	0.07	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.11	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.18	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.24	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.40	
		For >100 To 250, Add	0.20	
		For >250 To 500, Add	0.09	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.09	
		For >10,000 To 20,000, Deduct	-0.14	
		For >20,000, Deduct	-0.18	
		For Backroll, Add	0.09	
09 91 23 00-0100	SF	1 Coat Paint, Sprayed, Paint Interior Aluminum And Aluminum Alloy Walls	1.07	
		For Electrostatic Painting, Add	0.18	
		For Work >15' To 20' Above Floor, Add	0.09	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.15	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.24	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.32	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.51	
		For >100 To 250, Add	0.25	
		For >250 To 500, Add	0.11	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.11	
		For >10,000 To 20,000, Deduct	-0.16	
		For >20,000, Deduct	-0.21	
		For Backroll, Add	0.11	
09 91 23 00-0101	SF	2 Coats Paint, Sprayed, Paint Interior Aluminum And Aluminum Alloy Walls	1.83	
		For Electrostatic Painting, Add	0.33	
		For Work >15' To 20' Above Floor, Add	0.13	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.22	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.35	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.48	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.80	
		For >100 To 250, Add	0.40	
		For >250 To 500, Add	0.18	
		For >2,500 To 5,000, Deduct	-0.09	
		For >5,000 To 10,000, Deduct	-0.18	
		For >10,000 To 20,000, Deduct	-0.27	
		For >20,000, Deduct	-0.37	
		For Backroll, Add	0.18	

09 91 23 00-0102 Paint Interior Corrugated Metal Walls (09 91 23 00-0081)

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

09 91 23 00-0103	SF	1 Coat Primer, Sprayed, Paint Interior Corrugated Metal Walls	1.03
		For Electrostatic Painting, Add	0.19
		For Work >15' To 20' Above Floor, Add	0.07
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.12
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.19
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.26
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.44
		For >100 To 250, Add	0.22
		For >250 To 500, Add	0.10
		For >2,500 To 5,000, Deduct	-0.05
		For >5,000 To 10,000, Deduct	-0.10
		For >10,000 To 20,000, Deduct	-0.15
		For >20,000, Deduct	-0.21
		For Backroll, Add	0.10
09 91 23 00-0104	SF	1 Coat Paint, Sprayed, Paint Interior Corrugated Metal Walls	1.32
		For Electrostatic Painting, Add	0.21
		For Work >15' To 20' Above Floor, Add	0.12
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.19
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.31
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.42
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.66
		For >100 To 250, Add	0.32
		For >250 To 500, Add	0.14
		For >2,500 To 5,000, Deduct	-0.07
		For >5,000 To 10,000, Deduct	-0.13
		For >10,000 To 20,000, Deduct	-0.20
		For >20,000, Deduct	-0.26
		For Backroll, Add	0.14
09 91 23 00-0105	SF	2 Coats Paint, Sprayed, Paint Interior Corrugated Metal Walls	2.26
		For Electrostatic Painting, Add	0.39
		For Work >15' To 20' Above Floor, Add	0.17
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.29
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.46
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.64
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	1.04
		For >100 To 250, Add	0.52
		For >250 To 500, Add	0.23
		For >2,500 To 5,000, Deduct	-0.11
		For >5,000 To 10,000, Deduct	-0.23
		For >10,000 To 20,000, Deduct	-0.34
		For >20,000, Deduct	-0.45
		For Backroll, Add	0.23

09 91 23 00-0106 Paint Interior Stucco Walls (09 91 23 00-0001)

09 91 23 00-0107	SF	1 Coat Primer, Brush Work, Paint Interior Stucco Wall Surfaces	1.62
		For Oil Based Paint, Add	0.09
		For Work >15' To 20' Above Floor, Add	0.21
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.34
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.55
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.75
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	1.07
		For >100 To 250, Add	0.50
		For >250 To 500, Add	0.22
		For >2,500 To 5,000, Deduct	-0.08
		For >5,000 To 10,000, Deduct	-0.16
		For >10,000 To 20,000, Deduct	-0.24
		For >20,000, Deduct	-0.32
09 91 23 00-0108	SF	1 Coat Paint, Brush Work, Paint Interior Stucco Wall Surfaces	1.79
		For Oil Based Paint, Add	0.10
		For Work >15' To 20' Above Floor, Add	0.22
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.37
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.60
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.82
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	1.16
		For >100 To 250, Add	0.55
		For >250 To 500, Add	0.24
		For >2,500 To 5,000, Deduct	-0.09
		For >5,000 To 10,000, Deduct	-0.18
		For >10,000 To 20,000, Deduct	-0.27
		For >20,000, Deduct	-0.36

			Finishes	09	9
			Painting and Coating	09 90	
			Painting	09 91	
MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
			UNIT COST	UNIT COST	
09 91 23 00-0109	SF	2 Coats Paint, Brush Work, Paint Interior Stucco Wall Surfaces	3.18		
		For Oil Based Paint, Add	0.19		
		For Work >15' To 20' Above Floor, Add	0.39		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.65		
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add	1.04		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	1.42		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	2.03		
		For >100 To 250, Add	0.97		
		For >250 To 500, Add	0.42		
		For >2,500 To 5,000, Deduct	-0.16		
		For >5,000 To 10,000, Deduct	-0.32		
		For >10,000 To 20,000, Deduct	-0.48		
		For >20,000, Deduct	-0.64		
09 91 23 00-0110	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Stucco Wall Surfaces	1.24		
		For Oil Based Paint, Add	0.07		
		For Work >15' To 20' Above Floor, Add	0.15		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.25		
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add	0.40		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.54		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.78		
		For >100 To 250, Add	0.37		
		For >250 To 500, Add	0.16		
		For >2,500 To 5,000, Deduct	-0.06		
		For >5,000 To 10,000, Deduct	-0.12		
		For >10,000 To 20,000, Deduct	-0.19		
		For >20,000, Deduct	-0.25		
09 91 23 00-0111	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Stucco Wall Surfaces	1.42		
		For Oil Based Paint, Add	0.09		
		For Work >15' To 20' Above Floor, Add	0.17		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.28		
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add	0.45		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.62		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.89		
		For >100 To 250, Add	0.42		
		For >250 To 500, Add	0.18		
		For >2,500 To 5,000, Deduct	-0.07		
		For >5,000 To 10,000, Deduct	-0.14		
		For >10,000 To 20,000, Deduct	-0.21		
		For >20,000, Deduct	-0.28		
09 91 23 00-0112	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Stucco Wall Surfaces	2.59		
		For Oil Based Paint, Add	0.16		
		For Work >15' To 20' Above Floor, Add	0.30		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.50		
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add	0.80		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	1.10		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	1.59		
		For >100 To 250, Add	0.76		
		For >250 To 500, Add	0.33		
		For >2,500 To 5,000, Deduct	-0.13		
		For >5,000 To 10,000, Deduct	-0.26		
		For >10,000 To 20,000, Deduct	-0.39		
		For >20,000, Deduct	-0.52		
09 91 23 00-0113	SF	1 Coat Primer, Sprayed, Paint Interior Stucco Wall Surfaces	0.91		
		For Oil Based Paint, Add	0.06		
		For Work >15' To 20' Above Floor, Add	0.09		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.15		
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add	0.24		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.34		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.50		
		For >100 To 250, Add	0.24		
		For >250 To 500, Add	0.11		
		For >2,500 To 5,000, Deduct	-0.05		
		For >5,000 To 10,000, Deduct	-0.09		
		For >10,000 To 20,000, Deduct	-0.14		
		For >20,000, Deduct	-0.18		
		For Backroll, Add	0.11		

09 Finishes**09 90 Painting and Coating****09 91 Painting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 91 23 00-0114	SF	1 Coat Paint, Sprayed, Paint Interior Stucco Wall Surfaces.....	1.11
		For Oil Based Paint, Add	0.07
		For Work >15' To 20' Above Floor, Add	0.11
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.18
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.29
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.40
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.60
		For >100 To 250, Add	0.29
		For >250 To 500, Add	0.13
		For >2,500 To 5,000, Deduct	-0.06
		For >5,000 To 10,000, Deduct	-0.11
		For >10,000 To 20,000, Deduct	-0.17
		For >20,000, Deduct	-0.22
		For Backroll, Add	0.13
09 91 23 00-0115	SF	2 Coats Paint, Sprayed, Paint Interior Stucco Wall Surfaces.....	2.15
		For Oil Based Paint, Add	0.14
		For Work >15' To 20' Above Floor, Add	0.22
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.37
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.59
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.81
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	1.20
		For >100 To 250, Add	0.58
		For >250 To 500, Add	0.25
		For >2,500 To 5,000, Deduct	-0.11
		For >5,000 To 10,000, Deduct	-0.22
		For >10,000 To 20,000, Deduct	-0.32
		For >20,000, Deduct	-0.43
		For Backroll, Add	0.25
09 91 23 00-0116	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Stucco Wall Surfaces.....	0.30
		For Oil Based Paint, Add	0.02
		For Work >15' To 20' Above Floor, Add	0.04
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.06
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.10
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.14
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.20
		For >100 To 250, Add	0.09
		For >250 To 500, Add	0.04
		For >2,500 To 5,000, Deduct	-0.02
		For >5,000 To 10,000, Deduct	-0.03
		For >10,000 To 20,000, Deduct	-0.05
		For >20,000, Deduct	-0.06

09 91 23 00-0117 Paint Interior Wood Walls (09 91 23 00-0001)

09 91 23 00-0118 Interior Wood Walls (09 91 23 00-0117)

09 91 23 00-0119	SF	1 Coat Paint, Brush Work, Paint Interior Wood Wall Surfaces.....	1.22
		For Oil Based Paint, Add	0.07
		For Work >15' To 20' Above Floor, Add	0.15
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.25
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.40
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.56
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.79
		For >100 To 250, Add	0.37
		For >250 To 500, Add	0.16
		For >2,500 To 5,000, Deduct	-0.06
		For >5,000 To 10,000, Deduct	-0.12
		For >10,000 To 20,000, Deduct	-0.18
		For >20,000, Deduct	-0.24
09 91 23 00-0120	SF	2 Coats Paint, Brush Work, Paint Interior Wood Wall Surfaces.....	2.24
		For Oil Based Paint, Add	0.13
		For Work >15' To 20' Above Floor, Add	0.27
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.46
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.73
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	1.00
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	1.43
		For >100 To 250, Add	0.68
		For >250 To 500, Add	0.29
		For >2,500 To 5,000, Deduct	-0.11
		For >5,000 To 10,000, Deduct	-0.22
		For >10,000 To 20,000, Deduct	-0.34
		For >20,000, Deduct	-0.45

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
09 91 23 00-0121	SF		1 Coat Primer, Brush/Roller Work, Paint Interior Wood Walls	0.88	
			For Oil Based Paint, Add	0.05	
			For Work >15' To 20' Above Floor, Add	0.10	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.17	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.27	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.37	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.53	
			For >100 To 250, Add	0.26	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.18	
09 91 23 00-0122	SF		1 Coat Paint, Brush/Roller Work, Paint Interior Wood Walls.....	0.99	
			For Oil Based Paint, Add	0.06	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.20	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.31	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.43	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.62	
			For >100 To 250, Add	0.29	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.20	
09 91 23 00-0123	SF		2 Coats Paint, Brush/Roller Work, Paint Interior Wood Walls.....	1.77	
			For Oil Based Paint, Add	0.11	
			For Work >15' To 20' Above Floor, Add	0.20	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.34	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.54	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.74	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.08	
			For >100 To 250, Add	0.51	
			For >250 To 500, Add	0.22	
			For >2,500 To 5,000, Deduct	-0.09	
			For >5,000 To 10,000, Deduct	-0.18	
			For >10,000 To 20,000, Deduct	-0.27	
			For >20,000, Deduct	-0.35	
09 91 23 00-0124	SF		1 Coat Primer, Sprayed, Paint Interior Wood Walls.....	0.65	
			For Oil Based Paint, Add	0.05	
			For Work >15' To 20' Above Floor, Add	0.06	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.10	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.16	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.22	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.34	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.13	
			For Backroll, Add	0.07	
09 91 23 00-0125	SF		1 Coat Paint, Sprayed, Paint Interior Wood Walls	0.83	
			For Oil Based Paint, Add	0.06	
			For Work >15' To 20' Above Floor, Add	0.08	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.13	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.21	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.29	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.44	
			For >100 To 250, Add	0.22	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.17	
			For Backroll, Add	0.09	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

09 91 23 00-0126	SF	2 Coats Paint, Sprayed, Paint Interior Wood Walls.....	1.52	
		For Oil Based Paint, Add	0.11	
		For Work >15' To 20' Above Floor, Add	0.14	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.23	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.37	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.51	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.79	
		For >100 To 250, Add	0.38	
		For >250 To 500, Add	0.17	
		For >2,500 To 5,000, Deduct	-0.08	
		For >5,000 To 10,000, Deduct	-0.15	
		For >10,000 To 20,000, Deduct	-0.23	
		For >20,000, Deduct	-0.30	
		For Backroll, Add	0.17	
09 91 23 00-0127	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Wood Wall Surfaces	0.21	
		For Oil Based Paint, Add	0.01	
		For Work >15' To 20' Above Floor, Add	0.03	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.04	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.07	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.09	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.13	
		For >100 To 250, Add	0.06	
		For >250 To 500, Add	0.03	
		For >2,500 To 5,000, Deduct	-0.01	
		For >5,000 To 10,000, Deduct	-0.02	
		For >10,000 To 20,000, Deduct	-0.03	
		For >20,000, Deduct	-0.04	
09 91 23 00-0128		Paint Interior Ceilings (09 91 23)		
09 91 23 00-0129		Paint Interior Acoustical Ceilings (09 91 23 00-0128)		
		Note: Includes grid.		
09 91 23 00-0130	SF	1 Coat Primer, Brush Work, Paint Interior Acoustical Ceiling.....	1.08	
		For Oil Based Paint, Add	0.06	
		For Work >15' To 20' Above Floor, Add	0.13	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.22	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.35	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.48	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.68	
		For >100 To 250, Add	0.33	
		For >250 To 500, Add	0.14	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.11	
		For >10,000 To 20,000, Deduct	-0.16	
		For >20,000, Deduct	-0.22	
09 91 23 00-0131	SF	1 Coat Paint, Brush Work, Paint Interior Acoustical Ceiling.....	1.17	
		For Oil Based Paint, Add	0.07	
		For Work >15' To 20' Above Floor, Add	0.15	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.25	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.40	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.55	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.78	
		For >100 To 250, Add	0.37	
		For >250 To 500, Add	0.16	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.12	
		For >10,000 To 20,000, Deduct	-0.18	
		For >20,000, Deduct	-0.23	
09 91 23 00-0132	SF	2 Coats Paint, Brush Work, Paint Interior Acoustical Ceiling	2.08	
		For Oil Based Paint, Add	0.12	
		For Work >15' To 20' Above Floor, Add	0.26	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.44	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.70	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.96	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.36	
		For >100 To 250, Add	0.64	
		For >250 To 500, Add	0.28	
		For >2,500 To 5,000, Deduct	-0.10	
		For >5,000 To 10,000, Deduct	-0.21	
		For >10,000 To 20,000, Deduct	-0.31	
		For >20,000, Deduct	-0.42	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
09 91 23 00-0133	SF		1 Coat Primer, Brush/Roller Work, Paint Interior Acoustical Ceiling	0.94	
			For Oil Based Paint, Add	0.06	
			For Work >15' To 20' Above Floor, Add	0.11	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.18	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.29	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.40	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.58	
			For >100 To 250, Add	0.28	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.19	
09 91 23 00-0134	SF		1 Coat Paint, Brush/Roller Work, Paint Interior Acoustical Ceiling.....	0.92	
			For Oil Based Paint, Add	0.05	
			For Work >15' To 20' Above Floor, Add	0.11	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.19	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.30	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.41	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.59	
			For >100 To 250, Add	0.28	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.18	
09 91 23 00-0135	SF		2 Coats Paint, Brush/Roller Work, Paint Interior Acoustical Ceiling.....	1.71	
			For Oil Based Paint, Add	0.10	
			For Work >15' To 20' Above Floor, Add	0.21	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.34	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.55	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.75	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.08	
			For >100 To 250, Add	0.51	
			For >250 To 500, Add	0.22	
			For >2,500 To 5,000, Deduct	-0.09	
			For >5,000 To 10,000, Deduct	-0.17	
			For >10,000 To 20,000, Deduct	-0.26	
			For >20,000, Deduct	-0.34	
09 91 23 00-0136	SF		1 Coat Primer, Sprayed, Paint Interior Acoustical Ceiling.....	0.82	
			For Oil Based Paint, Add	0.05	
			For Work >15' To 20' Above Floor, Add	0.09	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.14	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.23	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.31	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.47	
			For >100 To 250, Add	0.22	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.16	
			For Backroll, Add	0.10	
09 91 23 00-0137	SF		1 Coat Paint, Sprayed, Paint Interior Acoustical Ceiling	0.80	
			For Oil Based Paint, Add	0.05	
			For Work >15' To 20' Above Floor, Add	0.09	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.15	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.24	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.32	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.47	
			For >100 To 250, Add	0.23	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.16	
			For Backroll, Add	0.10	

09 Finishes**09 90 Painting and Coating****09 91 Painting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 91 23 00-0138	SF	2 Coats Paint, Sprayed, Paint Interior Acoustical Ceiling	1.30	
		For Oil Based Paint, Add	0.09	
		For Work >15' To 20' Above Floor, Add	0.13	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.22	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.35	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.48	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.72	
		For >100 To 250, Add	0.35	
		For >250 To 500, Add	0.15	
		For >2,500 To 5,000, Deduct	-0.07	
		For >5,000 To 10,000, Deduct	-0.13	
		For >10,000 To 20,000, Deduct	-0.20	
		For >20,000, Deduct	-0.26	
		For Backroll, Add	0.15	
09 91 23 00-0139	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Acoustical Ceiling	0.35	
		For Oil Based Paint, Add	0.03	
		For Work >15' To 20' Above Floor, Add	0.03	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.05	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.07	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.10	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.16	
		For >100 To 250, Add	0.08	
		For >250 To 500, Add	0.04	
		For >2,500 To 5,000, Deduct	-0.02	
		For >5,000 To 10,000, Deduct	-0.04	
		For >10,000 To 20,000, Deduct	-0.05	
		For >20,000, Deduct	-0.07	

09 91 23 00-0140 Paint Interior Concrete Ceilings (09 91 23 00-0128)

09 91 23 00-0141	SF	1 Coat Filler, Brush Work, Paint Interior Concrete Ceiling	1.08	
		For Oil Based Paint, Add	0.06	
		For Epoxy Paint, Add	0.12	
		For Work >15' To 20' Above Floor, Add	0.13	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.22	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.35	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.48	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.68	
		For >100 To 250, Add	0.33	
		For >250 To 500, Add	0.14	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.11	
		For >10,000 To 20,000, Deduct	-0.16	
		For >20,000, Deduct	-0.22	
09 91 23 00-0142	SF	1 Coat Paint, Brush Work, Paint Interior Concrete Ceiling	1.16	
		For Oil Based Paint, Add	0.07	
		For Epoxy Paint, Add	0.11	
		For Work >15' To 20' Above Floor, Add	0.15	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.25	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.40	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.54	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.77	
		For >100 To 250, Add	0.36	
		For >250 To 500, Add	0.16	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.12	
		For >10,000 To 20,000, Deduct	-0.17	
		For >20,000, Deduct	-0.23	
09 91 23 00-0143	SF	2 Coats Paint, Brush Work, Paint Interior Concrete Ceiling	2.08	
		For Oil Based Paint, Add	0.12	
		For Epoxy Paint, Add	0.21	
		For Work >15' To 20' Above Floor, Add	0.26	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.44	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.70	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.96	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.36	
		For >100 To 250, Add	0.64	
		For >250 To 500, Add	0.28	
		For >2,500 To 5,000, Deduct	-0.10	
		For >5,000 To 10,000, Deduct	-0.21	
		For >10,000 To 20,000, Deduct	-0.31	
		For >20,000, Deduct	-0.42	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0144	SF		1 Coat Filler, Brush/Roller Work, Paint Interior Concrete Ceiling.....	0.84	
			For Oil Based Paint, Add	0.05	
			For Epoxy Paint, Add	0.11	
			For Work >15' To 20' Above Floor, Add	0.09	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.16	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.25	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.35	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.50	
			For >100 To 250, Add	0.24	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.17	
09 91 23 00-0145	SF		1 Coat Paint, Brush/Roller Work, Paint Interior Concrete Ceiling	0.92	
			For Oil Based Paint, Add	0.05	
			For Epoxy Paint, Add	0.10	
			For Work >15' To 20' Above Floor, Add	0.11	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.19	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.30	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.41	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.59	
			For >100 To 250, Add	0.28	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.18	
09 91 23 00-0146	SF		2 Coats Paint, Brush/Roller Work, Paint Interior Concrete Ceiling.....	1.71	
			For Oil Based Paint, Add	0.10	
			For Epoxy Paint, Add	0.19	
			For Work >15' To 20' Above Floor, Add	0.21	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.34	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.55	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.75	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.08	
			For >100 To 250, Add	0.51	
			For >250 To 500, Add	0.22	
			For >2,500 To 5,000, Deduct	-0.09	
			For >5,000 To 10,000, Deduct	-0.17	
			For >10,000 To 20,000, Deduct	-0.26	
			For >20,000, Deduct	-0.34	
09 91 23 00-0147	SF		1 Coat Filler, Sprayed, Paint Interior Concrete Ceiling	0.78	
			For Oil Based Paint, Add	0.05	
			For Epoxy Paint, Add	0.11	
			For Work >15' To 20' Above Floor, Add	0.08	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.13	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.21	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.29	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.44	
			For >100 To 250, Add	0.21	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.16	
			For Backroll, Add	0.09	
09 91 23 00-0148	SF		1 Coat Paint, Sprayed, Paint Interior Concrete Ceiling	0.80	
			For Oil Based Paint, Add	0.05	
			For Epoxy Paint, Add	0.10	
			For Work >15' To 20' Above Floor, Add	0.09	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.15	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.24	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.32	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.47	
			For >100 To 250, Add	0.23	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.16	
			For Backroll, Add	0.10	

09 Finishes**09 90 Painting and Coating****09 91 Painting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 91 23 00-0149	SF	2 Coats Paint, Sprayed, Paint Interior Concrete Ceiling	1.29
		For Oil Based Paint, Add	0.09
		For Epoxy Paint, Add	0.19
		For Work >15' To 20' Above Floor, Add	0.13
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.22
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.35
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.48
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.72
		For >100 To 250, Add	0.35
		For >250 To 500, Add	0.15
		For >2,500 To 5,000, Deduct	-0.06
		For >5,000 To 10,000, Deduct	-0.13
		For >10,000 To 20,000, Deduct	-0.19
		For >20,000, Deduct	-0.26
		For Backroll, Add	0.15
09 91 23 00-0150	SF	1 Coat Bonding Agent, Brush Work, Paint Interior Concrete Ceiling	1.12
		For Work >15' To 20' Above Floor, Add	0.13
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.22
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.35
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.48
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.69
		For >100 To 250, Add	0.33
		For >250 To 500, Add	0.14
		For >2,500 To 5,000, Deduct	-0.06
		For >5,000 To 10,000, Deduct	-0.11
		For >10,000 To 20,000, Deduct	-0.17
		For >20,000, Deduct	-0.22
09 91 23 00-0151	SF	1 Coat Bonding Agent, Brush/Roller, Paint Interior Concrete Ceiling	0.88
		For Work >15' To 20' Above Floor, Add	0.09
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.16
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.25
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.35
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.51
		For >100 To 250, Add	0.25
		For >250 To 500, Add	0.11
		For >2,500 To 5,000, Deduct	-0.04
		For >5,000 To 10,000, Deduct	-0.09
		For >10,000 To 20,000, Deduct	-0.13
		For >20,000, Deduct	-0.18
09 91 23 00-0152	SF	1 Coat Bonding Agent, Sprayed, Paint Interior Concrete Ceiling	0.83
		For Work >15' To 20' Above Floor, Add	0.08
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.13
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.21
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.29
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.44
		For >100 To 250, Add	0.22
		For >250 To 500, Add	0.09
		For >2,500 To 5,000, Deduct	-0.04
		For >5,000 To 10,000, Deduct	-0.08
		For >10,000 To 20,000, Deduct	-0.12
		For >20,000, Deduct	-0.17
		For Backroll, Add	0.09
09 91 23 00-0153	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Concrete Ceiling	0.20
		For Work >15' To 20' Above Floor, Add	0.03
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.04
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.07
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.09
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.13
		For >100 To 250, Add	0.06
		For >250 To 500, Add	0.03
		For >2,500 To 5,000, Deduct	-0.01
		For >5,000 To 10,000, Deduct	-0.02
		For >10,000 To 20,000, Deduct	-0.03
		For >20,000, Deduct	-0.04

09 91 23 00-0154 Paint Interior Drywall/Plaster Ceilings (09 91 23 00-0128)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
09 91 23 00-0155	SF	1	Coat Primer, Brush Work, Pain Interior Drywall/Plaster Ceiling	1.08	
			For Epoxy Paint, Add	0.12	
			For Oil Based Paint, Add	0.06	
			For Orange Peel Finish, Add	0.15	
			For Work >15' To 20' Above Floor, Add	0.13	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.22	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.35	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.48	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.68	
			For >100 To 250, Add	0.33	
			For >250 To 500, Add	0.14	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.16	
			For >20,000, Deduct	-0.22	
09 91 23 00-0156	SF	1	Coat Paint, Brush Work, Paint Interior Drywall/Plaster Ceiling	1.17	
			For Epoxy Paint, Add	0.11	
			For Oil Based Paint, Add	0.07	
			For Orange Peel Finish, Add	0.16	
			For Work >15' To 20' Above Floor, Add	0.15	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.25	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.40	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.55	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.78	
			For >100 To 250, Add	0.37	
			For >250 To 500, Add	0.16	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.18	
			For >20,000, Deduct	-0.23	
09 91 23 00-0157	SF	2	Coats Paint, Brush Work, Paint Interior Drywall/Plaster Ceiling	2.08	
			For Epoxy Paint, Add	0.21	
			For Oil Based Paint, Add	0.12	
			For Orange Peel Finish, Add	0.29	
			For Work >15' To 20' Above Floor, Add	0.26	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.44	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.70	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.96	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.36	
			For >100 To 250, Add	0.64	
			For >250 To 500, Add	0.28	
			For >2,500 To 5,000, Deduct	-0.10	
			For >5,000 To 10,000, Deduct	-0.21	
			For >10,000 To 20,000, Deduct	-0.31	
			For >20,000, Deduct	-0.42	
09 91 23 00-0158	SF	1	Coat Primer, Brush/Roller Work, Paint Interior Drywall/Plaster Ceiling	0.94	
			For Epoxy Paint, Add	0.11	
			For Oil Based Paint, Add	0.06	
			For Orange Peel Finish, Add	0.13	
			For Work >15' To 20' Above Floor, Add	0.11	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.18	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.29	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.40	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.58	
			For >100 To 250, Add	0.28	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.19	

09 Finishes**09 90 Painting and Coating****09 91 Painting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 91 23 00-0159	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Drywall/Plaster Ceiling	0.92	
		For Epoxy Paint, Add	0.10	
		For Oil Based Paint, Add	0.05	
		For Orange Peel Finish, Add	0.13	
		For Work >15' To 20' Above Floor, Add	0.11	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.19	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.30	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.41	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.59	
		For >100 To 250, Add	0.28	
		For >250 To 500, Add	0.12	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.09	
		For >10,000 To 20,000, Deduct	-0.14	
		For >20,000, Deduct	-0.18	
09 91 23 00-0160	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Drywall/Plaster Ceiling	1.71	
		For Epoxy Paint, Add	0.19	
		For Oil Based Paint, Add	0.10	
		For Orange Peel Finish, Add	0.23	
		For Work >15' To 20' Above Floor, Add	0.21	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.34	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.55	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.75	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.08	
		For >100 To 250, Add	0.51	
		For >250 To 500, Add	0.22	
		For >2,500 To 5,000, Deduct	-0.09	
		For >5,000 To 10,000, Deduct	-0.17	
		For >10,000 To 20,000, Deduct	-0.26	
		For >20,000, Deduct	-0.34	
09 91 23 00-0161	SF	1 Coat Primer, Sprayed, Paint Interior Drywall/Plaster Ceiling	0.82	
		For Epoxy Paint, Add	0.12	
		For Oil Based Paint, Add	0.05	
		For Work >15' To 20' Above Floor, Add	0.09	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.14	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.23	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.31	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.47	
		For >100 To 250, Add	0.22	
		For >250 To 500, Add	0.10	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.08	
		For >10,000 To 20,000, Deduct	-0.12	
		For >20,000, Deduct	-0.16	
		For Backroll, Add	0.10	
09 91 23 00-0162	SF	1 Coat Paint, Sprayed, Paint Interior Drywall/Plaster Ceiling	0.80	
		For Epoxy Paint, Add	0.10	
		For Oil Based Paint, Add	0.05	
		For Work >15' To 20' Above Floor, Add	0.09	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.15	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.24	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.32	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.47	
		For >100 To 250, Add	0.23	
		For >250 To 500, Add	0.10	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.08	
		For >10,000 To 20,000, Deduct	-0.12	
		For >20,000, Deduct	-0.16	
		For Backroll, Add	0.10	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
09 91 23 00-0163	SF		2 Coats Paint, Sprayed, Paint Interior Drywall/Plaster Ceiling.....	1.30	
			For Epoxy Paint, Add	0.19	
			For Oil Based Paint, Add	0.09	
			For Work >15' To 20' Above Floor, Add	0.13	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.22	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.35	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.48	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.72	
			For >100 To 250, Add	0.35	
			For >250 To 500, Add	0.15	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.20	
			For >20,000, Deduct	-0.26	
			For Backroll, Add	0.15	
09 91 23 00-0164	LF		1 Coat Paint, Cut-in Brush Work, Paint Interior Drywall/Plaster Ceiling.....	0.20	
			For Epoxy Paint, Add	0.02	
			For Oil Based Paint, Add	0.01	
			For Work >15' To 20' Above Floor, Add	0.03	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.04	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.07	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.09	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.13	
			For >100 To 250, Add	0.06	
			For >250 To 500, Add	0.03	
			For >2,500 To 5,000, Deduct	-0.01	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 20,000, Deduct	-0.03	
			For >20,000, Deduct	-0.04	
09 91 23 00-0165			Paint Interior Metal Ceilings (09 91 23 00-0128)		
09 91 23 00-0166			Galvanized Surfaces, Galvanized Primer (09 91 23 00-0165)		
			Note: Linseed oil or acrylic latex paint.		
09 91 23 00-0167	SF		1 Coat Primer, Brush Work, Paint Interior Galvanized Ceiling.....	1.40	
			For Electrostatic Painting, Add	0.20	
			For Work >15' To 20' Above Floor, Add	0.15	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.25	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.40	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.54	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.80	
			For >100 To 250, Add	0.39	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.14	
			For >10,000 To 20,000, Deduct	-0.21	
			For >20,000, Deduct	-0.28	
09 91 23 00-0168	SF		1 Coat Paint, Brush Work, Paint Interior Galvanized Ceiling.....	1.54	
			For Electrostatic Painting, Add	0.22	
			For Work >15' To 20' Above Floor, Add	0.17	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.28	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.45	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.62	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.91	
			For >100 To 250, Add	0.44	
			For >250 To 500, Add	0.19	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.15	
			For >10,000 To 20,000, Deduct	-0.23	
			For >20,000, Deduct	-0.31	

09 Finishes**09 90 Painting and Coating****09 91 Painting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 91 23 00-0169	SF	2 Coats Paint, Brush Work, Paint Interior Galvanized Ceiling.....	2.83	
		For Electrostatic Painting, Add	0.41	
		For Work >15' To 20' Above Floor, Add	0.30	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.50	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.80	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	1.10	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.62	
		For >100 To 250, Add	0.78	
		For >250 To 500, Add	0.34	
		For >2,500 To 5,000, Deduct	-0.14	
		For >5,000 To 10,000, Deduct	-0.28	
		For >10,000 To 20,000, Deduct	-0.42	
		For >20,000, Deduct	-0.57	
09 91 23 00-0170	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Galvanized Ceiling.....	1.09	
		For Electrostatic Painting, Add	0.16	
		For Work >15' To 20' Above Floor, Add	0.11	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.19	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.30	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.41	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.61	
		For >100 To 250, Add	0.30	
		For >250 To 500, Add	0.13	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.11	
		For >10,000 To 20,000, Deduct	-0.16	
		For >20,000, Deduct	-0.22	
09 91 23 00-0171	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Galvanized Ceiling.....	1.21	
		For Electrostatic Painting, Add	0.17	
		For Work >15' To 20' Above Floor, Add	0.13	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.22	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.35	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.48	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.70	
		For >100 To 250, Add	0.34	
		For >250 To 500, Add	0.15	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.12	
		For >10,000 To 20,000, Deduct	-0.18	
		For >20,000, Deduct	-0.24	
09 91 23 00-0172	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Galvanized Ceiling.....	2.25	
		For Electrostatic Painting, Add	0.33	
		For Work >15' To 20' Above Floor, Add	0.24	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.39	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.63	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.86	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.28	
		For >100 To 250, Add	0.62	
		For >250 To 500, Add	0.27	
		For >2,500 To 5,000, Deduct	-0.11	
		For >5,000 To 10,000, Deduct	-0.23	
		For >10,000 To 20,000, Deduct	-0.34	
		For >20,000, Deduct	-0.45	
09 91 23 00-0173	SF	1 Coat Primer, Sprayed, Paint Interior Galvanized Ceiling.....	1.07	
		For Electrostatic Painting, Add	0.18	
		For Work >15' To 20' Above Floor, Add	0.09	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.15	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.24	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.32	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.51	
		For >100 To 250, Add	0.25	
		For >250 To 500, Add	0.11	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.11	
		For >10,000 To 20,000, Deduct	-0.16	
		For >20,000, Deduct	-0.21	
		For Backroll, Add	0.11	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0174	SF	1 Coat Paint, Sprayed, Paint Interior Galvanized Ceiling.....	1.20	
		For Electrostatic Painting, Add	0.19	
		For Work >15' To 20' Above Floor, Add	0.11	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.18	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.29	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.40	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.61	
		For >100 To 250, Add	0.30	
		For >250 To 500, Add	0.13	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.12	
		For >10,000 To 20,000, Deduct	-0.18	
		For >20,000, Deduct	-0.24	
		For Backroll, Add	0.13	
09 91 23 00-0175	SF	2 Coats Paint, Sprayed, Paint Interior Galvanized Ceiling.....	1.97	
		For Electrostatic Painting, Add	0.34	
		For Work >15' To 20' Above Floor, Add	0.15	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.25	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.40	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.56	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.90	
		For >100 To 250, Add	0.45	
		For >250 To 500, Add	0.20	
		For >2,500 To 5,000, Deduct	-0.10	
		For >5,000 To 10,000, Deduct	-0.20	
		For >10,000 To 20,000, Deduct	-0.30	
		For >20,000, Deduct	-0.39	
		For Backroll, Add	0.20	
09 91 23 00-0176		Aluminum And Aluminum Alloy Surface Pretreatment Primer (09 91 23 00-0165)		
		Note: Alkyd enamel paint.		
09 91 23 00-0177	SF	1 Coat Primer, Brush Work, Paint Interior Aluminum And Aluminum Alloy Ceiling	1.40	
		For Electrostatic Painting, Add	0.20	
		For Work >15' To 20' Above Floor, Add	0.15	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.25	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.40	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.54	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.80	
		For >100 To 250, Add	0.39	
		For >250 To 500, Add	0.17	
		For >2,500 To 5,000, Deduct	-0.07	
		For >5,000 To 10,000, Deduct	-0.14	
		For >10,000 To 20,000, Deduct	-0.21	
		For >20,000, Deduct	-0.28	
09 91 23 00-0178	SF	1 Coat Paint, Brush Work, Paint Interior Aluminum And Aluminum Alloy Ceiling	1.54	
		For Electrostatic Painting, Add	0.22	
		For Work >15' To 20' Above Floor, Add	0.17	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.28	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.45	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.62	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.91	
		For >100 To 250, Add	0.44	
		For >250 To 500, Add	0.19	
		For >2,500 To 5,000, Deduct	-0.08	
		For >5,000 To 10,000, Deduct	-0.15	
		For >10,000 To 20,000, Deduct	-0.23	
		For >20,000, Deduct	-0.31	
09 91 23 00-0179	SF	2 Coats Paint, Brush Work, Paint Interior Aluminum And Aluminum Alloy Ceiling.....	2.83	
		For Electrostatic Painting, Add	0.41	
		For Work >15' To 20' Above Floor, Add	0.30	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.50	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.80	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	1.10	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.62	
		For >100 To 250, Add	0.78	
		For >250 To 500, Add	0.34	
		For >2,500 To 5,000, Deduct	-0.14	
		For >5,000 To 10,000, Deduct	-0.28	
		For >10,000 To 20,000, Deduct	-0.42	
		For >20,000, Deduct	-0.57	

09 Finishes**09 90 Painting and Coating****09 91 Painting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 91 23 00-0180	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Ceiling	1.23	
		For Electrostatic Painting, Add	0.20	
		For Work >15' To 20' Above Floor, Add	0.11	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.19	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.30	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.41	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.63	
		For >100 To 250, Add	0.31	
		For >250 To 500, Add	0.14	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.12	
		For >10,000 To 20,000, Deduct	-0.18	
		For >20,000, Deduct	-0.25	
09 91 23 00-0181	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Ceiling	1.35	
		For Electrostatic Painting, Add	0.21	
		For Work >15' To 20' Above Floor, Add	0.13	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.22	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.35	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.48	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.72	
		For >100 To 250, Add	0.35	
		For >250 To 500, Add	0.15	
		For >2,500 To 5,000, Deduct	-0.07	
		For >5,000 To 10,000, Deduct	-0.14	
		For >10,000 To 20,000, Deduct	-0.20	
		For >20,000, Deduct	-0.27	
09 91 23 00-0182	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Ceiling	2.57	
		For Electrostatic Painting, Add	0.40	
		For Work >15' To 20' Above Floor, Add	0.24	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.40	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.64	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.89	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.35	
		For >100 To 250, Add	0.66	
		For >250 To 500, Add	0.29	
		For >2,500 To 5,000, Deduct	-0.13	
		For >5,000 To 10,000, Deduct	-0.26	
		For >10,000 To 20,000, Deduct	-0.39	
		For >20,000, Deduct	-0.51	
09 91 23 00-0183	SF	1 Coat Primer, Sprayed, Paint Interior Aluminum And Aluminum Alloy Ceiling	1.07	
		For Electrostatic Painting, Add	0.18	
		For Work >15' To 20' Above Floor, Add	0.09	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.15	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.24	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.32	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.51	
		For >100 To 250, Add	0.25	
		For >250 To 500, Add	0.11	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.11	
		For >10,000 To 20,000, Deduct	-0.16	
		For >20,000, Deduct	-0.21	
		For Backroll, Add	0.11	
09 91 23 00-0184	SF	1 Coat Paint, Sprayed, Paint Interior Aluminum And Aluminum Alloy Ceiling	1.20	
		For Electrostatic Painting, Add	0.19	
		For Work >15' To 20' Above Floor, Add	0.11	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.18	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.29	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.40	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.61	
		For >100 To 250, Add	0.30	
		For >250 To 500, Add	0.13	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.12	
		For >10,000 To 20,000, Deduct	-0.18	
		For >20,000, Deduct	-0.24	
		For Backroll, Add	0.13	

			Finishes	09	2
			Painting and Coating	09 90	
			Painting	09 91	
MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
			UNIT COST	UNIT COST	
09 91 23 00-0185	SF	2 Coats Paint, Sprayed, Paint Interior Aluminum And Aluminum Alloy Ceiling.....	1.97		
		For Electrostatic Painting, Add	0.34		
		For Work >15' To 20' Above Floor, Add	0.15		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.25		
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add	0.40		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.56		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.90		
		For >100 To 250, Add	0.45		
		For >250 To 500, Add	0.20		
		For >2,500 To 5,000, Deduct	-0.10		
		For >5,000 To 10,000, Deduct	-0.20		
		For >10,000 To 20,000, Deduct	-0.30		
		For >20,000, Deduct	-0.39		
		For Backroll, Add	0.20		
09 91 23 00-0186		Paint Interior Ceiling Tile Grid (09 91 23 00-0165)			
		Note: Grid only.			
09 91 23 00-0187	LF	1 Coat Paint, Brush/Roller Work, Paint Interior Ceiling Tile Grid.....	0.29		
		For Electrostatic Painting, Add	0.04		
		For Work >15' To 20' Above Floor, Add	0.03		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.06		
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add	0.09		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.13		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.18		
		For >100 To 250, Add	0.09		
		For >250 To 500, Add	0.04		
		For >2,500 To 5,000, Deduct	-0.01		
		For >5,000 To 10,000, Deduct	-0.03		
		For >10,000 To 20,000, Deduct	-0.04		
		For >20,000, Deduct	-0.06		
09 91 23 00-0188	LF	2 Coats Paint, Brush/Roller Work, Paint Interior Ceiling Tile Grid.....	0.59		
		For Electrostatic Painting, Add	0.08		
		For Work >15' To 20' Above Floor, Add	0.07		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.12		
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add	0.19		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.26		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.37		
		For >100 To 250, Add	0.18		
		For >250 To 500, Add	0.08		
		For >2,500 To 5,000, Deduct	-0.03		
		For >5,000 To 10,000, Deduct	-0.06		
		For >10,000 To 20,000, Deduct	-0.09		
		For >20,000, Deduct	-0.12		
09 91 23 00-0189		Paint Interior Corrugated Metal Ceilings (09 91 23 00-0165)			
09 91 23 00-0190	SF	1 Coat Primer, Sprayed, Paint Interior Corrugated Metal Ceiling.....	1.41		
		For Electrostatic Painting, Add	0.24		
		For Work >15' To 20' Above Floor, Add	0.12		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.19		
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add	0.31		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.42		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.67		
		For >100 To 250, Add	0.33		
		For >250 To 500, Add	0.15		
		For >2,500 To 5,000, Deduct	-0.07		
		For >5,000 To 10,000, Deduct	-0.14		
		For >10,000 To 20,000, Deduct	-0.21		
		For >20,000, Deduct	-0.28		
		For Backroll, Add	0.15		

09 Finishes**09 90 Painting and Coating****09 91 Painting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 91 23 00-0191	SF	1 Coat Paint, Sprayed, Paint Interior Corrugated Metal Ceiling	1.60
		For Electrostatic Painting, Add	0.26
		For Work >15' To 20' Above Floor, Add	0.14
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.24
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.38
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.53
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.82
		For >100 To 250, Add	0.40
		For >250 To 500, Add	0.18
		For >2,500 To 5,000, Deduct	-0.08
		For >5,000 To 10,000, Deduct	-0.16
		For >10,000 To 20,000, Deduct	-0.24
		For >20,000, Deduct	-0.32
		For Backroll, Add	0.18
09 91 23 00-0192	SF	2 Coats Paint, Sprayed, Paint Interior Corrugated Metal Ceiling	2.63
		For Electrostatic Painting, Add	0.46
		For Work >15' To 20' Above Floor, Add	0.20
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.34
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.54
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.74
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	1.20
		For >100 To 250, Add	0.60
		For >250 To 500, Add	0.27
		For >2,500 To 5,000, Deduct	-0.13
		For >5,000 To 10,000, Deduct	-0.26
		For >10,000 To 20,000, Deduct	-0.39
		For >20,000, Deduct	-0.53
		For Backroll, Add	0.27

09 91 23 00-0193 Paint Interior Wood Ceilings (09 91 23 00-0128)**09 91 23 00-0194 Paint Interior Smooth Wood Ceilings (09 91 23 00-0193)**

09 91 23 00-0195	SF	1 Coat Primer, Brush Work, Paint Interior Wood Smooth Ceiling	1.33
		For Oil Based Paint, Add	0.08
		For Work >15' To 20' Above Floor, Add	0.15
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.26
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.41
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.57
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.82
		For >100 To 250, Add	0.39
		For >250 To 500, Add	0.17
		For >2,500 To 5,000, Deduct	-0.07
		For >5,000 To 10,000, Deduct	-0.13
		For >10,000 To 20,000, Deduct	-0.20
		For >20,000, Deduct	-0.27
09 91 23 00-0196	SF	1 Coat Paint, Brush Work, Paint Interior Wood Smooth Ceiling.....	1.38
		For Oil Based Paint, Add	0.08
		For Work >15' To 20' Above Floor, Add	0.17
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.28
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.45
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.62
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.89
		For >100 To 250, Add	0.42
		For >250 To 500, Add	0.18
		For >2,500 To 5,000, Deduct	-0.07
		For >5,000 To 10,000, Deduct	-0.14
		For >10,000 To 20,000, Deduct	-0.21
		For >20,000, Deduct	-0.28
09 91 23 00-0197	SF	2 Coats Paint, Brush Work, Paint Interior Wood Smooth Ceiling.....	2.51
		For Oil Based Paint, Add	0.15
		For Work >15' To 20' Above Floor, Add	0.30
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.50
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.80
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	1.10
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	1.58
		For >100 To 250, Add	0.75
		For >250 To 500, Add	0.33
		For >2,500 To 5,000, Deduct	-0.13
		For >5,000 To 10,000, Deduct	-0.25
		For >10,000 To 20,000, Deduct	-0.38
		For >20,000, Deduct	-0.50

Cal Poly Humboldt.		Finishes 09		09
		Painting and Coating 09 90		
		Painting 09 91		
MINOR		TOTAL DIRECT	DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	
09 91 23 00-0198	SF 1 Coat Primer, Brush/Roller Work, Paint Interior Smooth Wood Ceiling.....	1.09		
	For Oil Based Paint, Add	0.07		
	For Work >15' To 20' Above Floor, Add	0.11		
	Note: Applied only to work area above 15' to 20'.			
	For Work >20' To 30' Above Floor, Add	0.19		
	Note: Applied only to work area above 20' to 30'.			
	For Work >30' To 40' Above Floor, Add	0.30		
	Note: Applied only to work area above 30' to 40'.			
	For Work >40' Above Floor, Add	0.41		
	Note: Applied only to work area above 40'.			
	For Up To 100, Add	0.61		
	For >100 To 250, Add	0.30		
	For >250 To 500, Add	0.13		
	For >2,500 To 5,000, Deduct	-0.05		
	For >5,000 To 10,000, Deduct	-0.11		
	For >10,000 To 20,000, Deduct	-0.16		
	For >20,000, Deduct	-0.22		
09 91 23 00-0199	SF 1 Coat Paint, Brush/Roller Work, Paint Interior Smooth Wood Ceiling	1.17		
	For Oil Based Paint, Add	0.07		
	For Work >15' To 20' Above Floor, Add	0.13		
	Note: Applied only to work area above 15' to 20'.			
	For Work >20' To 30' Above Floor, Add	0.22		
	Note: Applied only to work area above 20' to 30'.			
	For Work >30' To 40' Above Floor, Add	0.35		
	Note: Applied only to work area above 30' to 40'.			
	For Work >40' Above Floor, Add	0.48		
	Note: Applied only to work area above 40'.			
	For Up To 100, Add	0.70		
	For >100 To 250, Add	0.33		
	For >250 To 500, Add	0.15		
	For >2,500 To 5,000, Deduct	-0.06		
	For >5,000 To 10,000, Deduct	-0.12		
	For >10,000 To 20,000, Deduct	-0.18		
	For >20,000, Deduct	-0.23		
09 91 23 00-0200	SF 2 Coats Paint, Brush/Roller Work, Paint Interior Smooth Wood Ceiling	2.20		
	For Oil Based Paint, Add	0.14		
	For Work >15' To 20' Above Floor, Add	0.24		
	Note: Applied only to work area above 15' to 20'.			
	For Work >20' To 30' Above Floor, Add	0.40		
	Note: Applied only to work area above 20' to 30'.			
	For Work >30' To 40' Above Floor, Add	0.64		
	Note: Applied only to work area above 30' to 40'.			
	For Work >40' Above Floor, Add	0.89		
	Note: Applied only to work area above 40'.			
	For Up To 100, Add	1.30		
	For >100 To 250, Add	0.62		
	For >250 To 500, Add	0.27		
	For >2,500 To 5,000, Deduct	-0.11		
	For >5,000 To 10,000, Deduct	-0.22		
	For >10,000 To 20,000, Deduct	-0.33		
	For >20,000, Deduct	-0.44		
09 91 23 00-0201	SF 1 Coat Primer, Sprayed, Paint Interior Smooth Wood Ceiling	0.84		
	For Oil Based Paint, Add	0.05		
	For Work >15' To 20' Above Floor, Add	0.09		
	Note: Applied only to work area above 15' to 20'.			
	For Work >20' To 30' Above Floor, Add	0.15		
	Note: Applied only to work area above 20' to 30'.			
	For Work >30' To 40' Above Floor, Add	0.24		
	Note: Applied only to work area above 30' to 40'.			
	For Work >40' Above Floor, Add	0.32		
	Note: Applied only to work area above 40'.			
	For Up To 100, Add	0.48		
	For >100 To 250, Add	0.23		
	For >250 To 500, Add	0.10		
	For >2,500 To 5,000, Deduct	-0.04		
	For >5,000 To 10,000, Deduct	-0.08		
	For >10,000 To 20,000, Deduct	-0.13		
	For >20,000, Deduct	-0.17		
	For Backroll, Add	0.10		
09 91 23 00-0202	SF 1 Coat Paint, Sprayed, Paint Interior Smooth Wood Ceiling.....	0.98		
	For Oil Based Paint, Add	0.06		
	For Work >15' To 20' Above Floor, Add	0.11		
	Note: Applied only to work area above 15' to 20'.			
	For Work >20' To 30' Above Floor, Add	0.18		
	Note: Applied only to work area above 20' to 30'.			
	For Work >30' To 40' Above Floor, Add	0.29		
	Note: Applied only to work area above 30' to 40'.			
	For Work >40' Above Floor, Add	0.40		
	Note: Applied only to work area above 40'.			
	For Up To 100, Add	0.59		
	For >100 To 250, Add	0.28		
	For >250 To 500, Add	0.12		
	For >2,500 To 5,000, Deduct	-0.05		
	For >5,000 To 10,000, Deduct	-0.10		
	For >10,000 To 20,000, Deduct	-0.15		
	For >20,000, Deduct	-0.20		
	For Backroll, Add	0.12		

09 Finishes**09 90 Painting and Coating****09 91 Painting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 91 23 00-0203	SF	2 Coats Paint, Sprayed, Paint Interior Smooth Wood Ceiling	1.52
		For Oil Based Paint, Add	0.10
		For Work >15' To 20' Above Floor, Add	0.15
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.25
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.40
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.56
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.83
		For >100 To 250, Add	0.40
		For >250 To 500, Add	0.18
		For >2,500 To 5,000, Deduct	-0.08
		For >5,000 To 10,000, Deduct	-0.15
		For >10,000 To 20,000, Deduct	-0.23
		For >20,000, Deduct	-0.30
		For Backroll, Add	0.18
09 91 23 00-0204	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Wood Smooth Ceiling	0.22
		For Oil Based Paint, Add	0.01
		For Work >15' To 20' Above Floor, Add	0.03
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.05
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.07
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.10
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.14
		For >100 To 250, Add	0.07
		For >250 To 500, Add	0.03
		For >2,500 To 5,000, Deduct	-0.01
		For >5,000 To 10,000, Deduct	-0.02
		For >10,000 To 20,000, Deduct	-0.03
		For >20,000, Deduct	-0.04

09 91 23 00-0205 Paint Interior Wood Beams (09 91 23 00-0128)

09 91 23 00-0206	SF	1 Coat Primer, Brush Work, Paint Interior Wood Beams	1.47
		For Oil Based Paint, Add	0.09
		For Work >15' To 20' Above Floor, Add	0.18
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.29
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.47
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.64
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.92
		For >100 To 250, Add	0.44
		For >250 To 500, Add	0.19
		For >2,500 To 5,000, Deduct	-0.07
		For >5,000 To 10,000, Deduct	-0.15
		For >10,000 To 20,000, Deduct	-0.22
		For >20,000, Deduct	-0.29
09 91 23 00-0207	SF	1 Coat Paint, Brush Work, Paint Interior Wood Beams.....	1.49
		For Oil Based Paint, Add	0.09
		For Work >15' To 20' Above Floor, Add	0.19
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.31
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.50
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.68
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.97
		For >100 To 250, Add	0.46
		For >250 To 500, Add	0.20
		For >2,500 To 5,000, Deduct	-0.07
		For >5,000 To 10,000, Deduct	-0.15
		For >10,000 To 20,000, Deduct	-0.22
		For >20,000, Deduct	-0.30
09 91 23 00-0208	SF	2 Coats Paint, Brush Work, Paint Interior Wood Beams.....	2.73
		For Oil Based Paint, Add	0.16
		For Work >15' To 20' Above Floor, Add	0.33
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.56
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.89
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	1.22
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	1.74
		For >100 To 250, Add	0.83
		For >250 To 500, Add	0.36
		For >2,500 To 5,000, Deduct	-0.14
		For >5,000 To 10,000, Deduct	-0.27
		For >10,000 To 20,000, Deduct	-0.41
		For >20,000, Deduct	-0.55

			Finishes	09	9
			Painting and Coating	09 90	
			Painting	09 91	
MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
			UNIT COST	UNIT COST	
09 91 23 00-0209	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Wood Beams	1.19		
		For Oil Based Paint, Add	0.08		
		For Work >15' To 20' Above Floor, Add	0.13		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.21		
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add	0.34		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.47		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.69		
		For >100 To 250, Add	0.33		
		For >250 To 500, Add	0.14		
		For >2,500 To 5,000, Deduct	-0.06		
		For >5,000 To 10,000, Deduct	-0.12		
		For >10,000 To 20,000, Deduct	-0.18		
		For >20,000, Deduct	-0.24		
09 91 23 00-0210	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Wood Beams	1.17		
		For Oil Based Paint, Add	0.07		
		For Work >15' To 20' Above Floor, Add	0.13		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.22		
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add	0.35		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.48		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.70		
		For >100 To 250, Add	0.33		
		For >250 To 500, Add	0.15		
		For >2,500 To 5,000, Deduct	-0.06		
		For >5,000 To 10,000, Deduct	-0.12		
		For >10,000 To 20,000, Deduct	-0.18		
		For >20,000, Deduct	-0.23		
09 91 23 00-0211	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Wood Beams	2.20		
		For Oil Based Paint, Add	0.14		
		For Work >15' To 20' Above Floor, Add	0.24		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.40		
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add	0.64		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.89		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	1.30		
		For >100 To 250, Add	0.62		
		For >250 To 500, Add	0.27		
		For >2,500 To 5,000, Deduct	-0.11		
		For >5,000 To 10,000, Deduct	-0.22		
		For >10,000 To 20,000, Deduct	-0.33		
		For >20,000, Deduct	-0.44		
09 91 23 00-0212	SF	1 Coat Primer, Sprayed, Paint Interior Wood Beams.....	0.98		
		For Oil Based Paint, Add	0.06		
		For Work >15' To 20' Above Floor, Add	0.11		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.18		
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add	0.29		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.40		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.59		
		For >100 To 250, Add	0.28		
		For >250 To 500, Add	0.12		
		For >2,500 To 5,000, Deduct	-0.05		
		For >5,000 To 10,000, Deduct	-0.10		
		For >10,000 To 20,000, Deduct	-0.15		
		For >20,000, Deduct	-0.20		
		For Backroll, Add	0.12		
09 91 23 00-0213	SF	1 Coat Paint, Sprayed, Paint Interior Wood Beams.....	0.97		
		For Oil Based Paint, Add	0.06		
		For Work >15' To 20' Above Floor, Add	0.11		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.18		
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add	0.29		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.40		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.58		
		For >100 To 250, Add	0.28		
		For >250 To 500, Add	0.12		
		For >2,500 To 5,000, Deduct	-0.05		
		For >5,000 To 10,000, Deduct	-0.10		
		For >10,000 To 20,000, Deduct	-0.15		
		For >20,000, Deduct	-0.19		
		For Backroll, Add	0.12		

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

09 91 23 00-0214	SF	2 Coats Paint, Sprayed, Paint Interior Wood Beams	1.65	
		For Oil Based Paint, Add	0.11	
		For Work >15' To 20' Above Floor, Add	0.17	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.29	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.46	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.63	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.93	
		For >100 To 250, Add	0.45	
		For >250 To 500, Add	0.20	
		For >2,500 To 5,000, Deduct	-0.08	
		For >5,000 To 10,000, Deduct	-0.17	
		For >10,000 To 20,000, Deduct	-0.25	
		For >20,000, Deduct	-0.33	
		For Backroll, Add	0.20	

09 91 23 00-0215 Paint Interior Floors And Decks (09 91 23)**09 91 23 00-0216 Paint Interior Concrete Floors And Decks (09 91 23 00-0215)**

09 91 23 00-0217	SF	1 Coat Primer, Brush Work, Paint Interior Concrete Floors And Decks	0.84	
		For Oil Based Paint, Add	0.05	
		For Epoxy Paint, Add	0.11	
		For Up To 100, Add	0.50	
		For >100 To 250, Add	0.24	
		For >250 To 500, Add	0.11	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.08	
		For >10,000 To 20,000, Deduct	-0.13	
		For >20,000, Deduct	-0.17	
09 91 23 00-0218	SF	1 Coat Paint, Brush Work, Paint Interior Concrete Floors And Decks	0.92	
		For Oil Based Paint, Add	0.05	
		For Epoxy Paint, Add	0.10	
		For Up To 100, Add	0.59	
		For >100 To 250, Add	0.28	
		For >250 To 500, Add	0.12	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.09	
		For >10,000 To 20,000, Deduct	-0.14	
		For >20,000, Deduct	-0.18	
09 91 23 00-0219	SF	2 Coats Paint, Brush Work, Paint Interior Concrete Floors And Decks	1.80	
		For Oil Based Paint, Add	0.11	
		For Epoxy Paint, Add	0.19	
		For Up To 100, Add	1.15	
		For >100 To 250, Add	0.55	
		For >250 To 500, Add	0.24	
		For >2,500 To 5,000, Deduct	-0.09	
		For >5,000 To 10,000, Deduct	-0.18	
		For >10,000 To 20,000, Deduct	-0.27	
		For >20,000, Deduct	-0.36	
09 91 23 00-0220	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Concrete Floors And Decks	0.82	
		For Oil Based Paint, Add	0.05	
		For Epoxy Paint, Add	0.10	
		For Up To 100, Add	0.49	
		For >100 To 250, Add	0.23	
		For >250 To 500, Add	0.10	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.08	
		For >10,000 To 20,000, Deduct	-0.12	
		For >20,000, Deduct	-0.16	
09 91 23 00-0221	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Concrete Floors And Decks	0.80	
		For Oil Based Paint, Add	0.05	
		For Epoxy Paint, Add	0.09	
		For Up To 100, Add	0.50	
		For >100 To 250, Add	0.24	
		For >250 To 500, Add	0.10	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.08	
		For >10,000 To 20,000, Deduct	-0.12	
		For >20,000, Deduct	-0.16	
09 91 23 00-0222	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Concrete Floors And Decks	1.31	
		For Oil Based Paint, Add	0.08	
		For Epoxy Paint, Add	0.17	
		For Up To 100, Add	0.78	
		For >100 To 250, Add	0.37	
		For >250 To 500, Add	0.16	
		For >2,500 To 5,000, Deduct	-0.07	
		For >5,000 To 10,000, Deduct	-0.13	
		For >10,000 To 20,000, Deduct	-0.20	
		For >20,000, Deduct	-0.26	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0223	SF		1 Coat Primer, Sprayed, Paint Interior Concrete Floors And Decks	0.65	
			For Oil Based Paint, Add	0.05	
			For Epoxy Paint, Add	0.11	
			For Up To 100, Add	0.34	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.13	
			For Backroll, Add	0.07	
09 91 23 00-0224	SF		1 Coat Paint, Sprayed, Paint Interior Concrete Floors And Decks.....	0.65	
			For Oil Based Paint, Add	0.04	
			For Epoxy Paint, Add	0.10	
			For Up To 100, Add	0.36	
			For >100 To 250, Add	0.18	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.13	
			For Backroll, Add	0.08	
09 91 23 00-0225	SF		2 Coats Paint, Sprayed, Paint Interior Concrete Floors And Decks.....	1.15	
			For Oil Based Paint, Add	0.08	
			For Epoxy Paint, Add	0.18	
			For Up To 100, Add	0.61	
			For >100 To 250, Add	0.30	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.23	
			For Backroll, Add	0.13	
09 91 23 00-0226	SF		1 Coat Bonding Agent, Brush Work, Paint Interior Concrete Floors And Decks	0.88	
			For Up To 100, Add	0.51	
			For >100 To 250, Add	0.25	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.18	
09 91 23 00-0227	SF		1 Coat Bonding Agent, Brush/Roller Work, Paint Interior Concrete Floors And Decks.....	0.86	
			For Up To 100, Add	0.50	
			For >100 To 250, Add	0.24	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.17	
09 91 23 00-0228	SF		1 Coat Bonding Agent, Sprayed, Paint Interior Concrete Floors And Decks	0.70	
			For Up To 100, Add	0.35	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.14	
			For Backroll, Add	0.08	
09 91 23 00-0229	SF		1 Coat Non-Slip Paint, Brush Work, Paint Interior Concrete Floors And Decks.....	2.39	
			For Up To 100, Add	0.81	
			For >100 To 250, Add	0.43	
			For >250 To 500, Add	0.19	
			For >2,500 To 5,000, Deduct	-0.12	
			For >5,000 To 10,000, Deduct	-0.24	
			For >10,000 To 20,000, Deduct	-0.36	
			For >20,000, Deduct	-0.48	
09 91 23 00-0230	SF		1 Coat Non-Slip Epoxy Paint, Brush Work, Paint Interior Concrete Floors And Decks (Rust-Oleum® AS91864251).....	6.88	
			For Up To 100, Add	1.48	
			For >100 To 250, Add	0.88	
			For >250 To 500, Add	0.42	
			For >2,500 To 5,000, Deduct	-0.34	
			For >5,000 To 10,000, Deduct	-0.69	
			For >10,000 To 20,000, Deduct	-1.03	
			For >20,000, Deduct	-1.38	
09 91 23 00-0231	LF		1 Coat Paint, Cut-in Brush Work, Paint Interior Concrete Floors And Decks.....	0.15	
			For Up To 100, Add	0.09	
			For >100 To 250, Add	0.05	
			For >250 To 500, Add	0.02	
			For >2,500 To 5,000, Deduct	-0.01	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 20,000, Deduct	-0.02	
			For >20,000, Deduct	-0.03	

09 91 23 00-0232 Paint Interior Wood Floors And Decks (09 91 23 00-0215)

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

09 91 23 00-0233	SF	1 Coat Primer, Brush Work, Paint Interior Wood Floors And Decks	1.05	
		For Oil Based Paint, Add	0.07	
		For Up To 100, Add	0.61	
		For >100 To 250, Add	0.29	
		For >250 To 500, Add	0.13	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.11	
		For >10,000 To 20,000, Deduct	-0.16	
		For >20,000, Deduct	-0.21	
09 91 23 00-0234	SF	1 Coat Paint, Brush Work, Paint Interior Wood Floors And Decks.....	1.12	
		For Oil Based Paint, Add	0.07	
		For Up To 100, Add	0.69	
		For >100 To 250, Add	0.33	
		For >250 To 500, Add	0.14	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.11	
		For >10,000 To 20,000, Deduct	-0.17	
		For >20,000, Deduct	-0.22	
09 91 23 00-0235	SF	2 Coats Paint, Brush Work, Paint Interior Wood Floors And Decks.....	2.12	
		For Oil Based Paint, Add	0.13	
		For Up To 100, Add	1.28	
		For >100 To 250, Add	0.61	
		For >250 To 500, Add	0.27	
		For >2,500 To 5,000, Deduct	-0.11	
		For >5,000 To 10,000, Deduct	-0.21	
		For >10,000 To 20,000, Deduct	-0.32	
		For >20,000, Deduct	-0.42	
09 91 23 00-0236	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Wood Floors And Decks	0.87	
		For Oil Based Paint, Add	0.06	
		For Up To 100, Add	0.45	
		For >100 To 250, Add	0.22	
		For >250 To 500, Add	0.10	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.09	
		For >10,000 To 20,000, Deduct	-0.13	
		For >20,000, Deduct	-0.17	
09 91 23 00-0237	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Wood Floors And Decks	0.93	
		For Oil Based Paint, Add	0.06	
		For Up To 100, Add	0.52	
		For >100 To 250, Add	0.25	
		For >250 To 500, Add	0.11	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.09	
		For >10,000 To 20,000, Deduct	-0.14	
		For >20,000, Deduct	-0.19	
09 91 23 00-0238	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Wood Floors And Decks.....	1.83	
		For Oil Based Paint, Add	0.12	
		For Up To 100, Add	1.02	
		For >100 To 250, Add	0.49	
		For >250 To 500, Add	0.22	
		For >2,500 To 5,000, Deduct	-0.09	
		For >5,000 To 10,000, Deduct	-0.18	
		For >10,000 To 20,000, Deduct	-0.27	
		For >20,000, Deduct	-0.37	
09 91 23 00-0239	SF	1 Coat Primer, Sprayed, Paint Interior Wood Floors And Decks.....	0.69	
		For Oil Based Paint, Add	0.05	
		For Up To 100, Add	0.37	
		For >100 To 250, Add	0.18	
		For >250 To 500, Add	0.08	
		For >2,500 To 5,000, Deduct	-0.03	
		For >5,000 To 10,000, Deduct	-0.07	
		For >10,000 To 20,000, Deduct	-0.10	
		For >20,000, Deduct	-0.14	
		For Backroll, Add	0.08	
09 91 23 00-0240	SF	1 Coat Paint, Sprayed, Paint Interior Wood Floors And Decks	0.84	
		For Oil Based Paint, Add	0.05	
		For Up To 100, Add	0.48	
		For >100 To 250, Add	0.23	
		For >250 To 500, Add	0.10	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.08	
		For >10,000 To 20,000, Deduct	-0.13	
		For >20,000, Deduct	-0.17	
		For Backroll, Add	0.10	
09 91 23 00-0241	SF	2 Coats Paint, Sprayed, Paint Interior Wood Floors And Decks	1.26	
		For Oil Based Paint, Add	0.09	
		For Up To 100, Add	0.64	
		For >100 To 250, Add	0.31	
		For >250 To 500, Add	0.14	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.13	
		For >10,000 To 20,000, Deduct	-0.19	
		For >20,000, Deduct	-0.25	
		For Backroll, Add	0.14	
09 91 23 00-0242	SF	1 Coat Non-Slip Paint, Brush Work, Paint Interior Wood Floors And Decks.....	2.39	
		For Up To 100, Add	0.81	
		For >100 To 250, Add	0.43	
		For >250 To 500, Add	0.19	
		For >2,500 To 5,000, Deduct	-0.12	
		For >5,000 To 10,000, Deduct	-0.24	
		For >10,000 To 20,000, Deduct	-0.36	
		For >20,000, Deduct	-0.48	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
09 91 23 00-0243	SF		1 Coat Non-Slip Epoxy Paint, Brush Work, Paint Interior Wood Floors And Decks	6.88	
			For Up To 100, Add	1.48	
			For >100 To 250, Add	0.88	
			For >250 To 500, Add	0.42	
			For >2,500 To 5,000, Deduct	-0.34	
			For >5,000 To 10,000, Deduct	-0.69	
			For >10,000 To 20,000, Deduct	-1.03	
			For >20,000, Deduct	-1.38	
09 91 23 00-0244	LF		1 Coat Paint, Cut-in Brush Work, Paint Interior Wood Floors And Decks	0.18	
			For Up To 100, Add	0.11	
			For >100 To 250, Add	0.05	
			For >250 To 500, Add	0.02	
			For >2,500 To 5,000, Deduct	-0.01	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 20,000, Deduct	-0.03	
			For >20,000, Deduct	-0.04	
09 91 23 00-0245			Paint Interior Doors And Windows (09 91 23)		
09 91 23 00-0246			Paint Interior Door Frames (09 91 23 00-0245)		
09 91 23 00-0247	LF		1 Coat Primer, Brush/Roller Work, Paint Interior Wood Door Frame And Trim.....	1.23	
			For Oil Based Paint, Add	0.07	
			For Painting One Face Of Frame Only, Deduct	-0.33	
09 91 23 00-0248	LF		1 Coat Paint, Brush/Roller Work, Paint Interior Wood Door Frame And Trim	1.59	
			For Oil Based Paint, Add	0.09	
			For Painting One Face Of Frame Only, Deduct	-0.42	
09 91 23 00-0249	LF		2 Coats Paint, Brush/Roller Work, Paint Interior Wood Door Frame And Trim	2.67	
			For Oil Based Paint, Add	0.15	
			For Painting One Face Of Frame Only, Deduct	-0.71	
09 91 23 00-0250	LF		1 Coat Primer, Brush/Roller Work, Paint Interior Metal Door Frame And Trim	1.27	
			For Oil Based Paint, Add	0.07	
			For Painting One Face Of Frame Only, Deduct	-0.35	
09 91 23 00-0251	LF		1 Coat Paint, Brush/Roller Work, Paint Interior Metal Door Frame And Trim	1.63	
			For Oil Based Paint, Add	0.09	
			For Painting One Face Of Frame Only, Deduct	-0.44	
09 91 23 00-0252	LF		2 Coats Paint, Brush/Roller Work, Paint Interior Metal Door Frame And Trim	2.74	
			For Oil Based Paint, Add	0.15	
			For Painting One Face Of Frame Only, Deduct	-0.73	
09 91 23 00-0253			Paint Interior Metal Doors (09 91 23 00-0245)		
09 91 23 00-0254	EA		1 Coat Primer, Brush/Roller Work, One Face, Paint Interior Metal Door	64.49	
			For Electrostatic Painting, Add	10.70	
			For Half Louvered Door, Add	5.42	
			For Full Louvered Door, Add	9.04	
			For Oil Based Paint, Add	4.64	
			For >5 To 10, Deduct	-3.22	
			For >10 To 25, Deduct	-6.45	
			For >25, Deduct	-9.67	
09 91 23 00-0255	EA		1 Coat Paint, Brush/Roller Work, One Face, Paint Interior Metal Door.....	64.49	
			For Electrostatic Painting, Add	10.70	
			For Half Louvered Door, Add	5.42	
			For Full Louvered Door, Add	9.04	
			For Oil Based Paint, Add	4.64	
			For >5 To 10, Deduct	-3.22	
			For >10 To 25, Deduct	-6.45	
			For >25, Deduct	-9.67	
09 91 23 00-0256	EA		2 Coats Paint, Brush/Roller Work, One Face, Paint Interior Metal Door.....	117.38	
			For Electrostatic Painting, Add	20.19	
			For Half Louvered Door, Add	9.16	
			For Full Louvered Door, Add	15.26	
			For Oil Based Paint, Add	8.69	
			For >5 To 10, Deduct	-5.87	
			For >10 To 25, Deduct	-11.74	
			For >25, Deduct	-17.61	
09 91 23 00-0257	EA		1 Coat Primer, Brush/Roller Work, Both Faces, Paint Interior Metal Door	115.74	
			For Electrostatic Painting, Add	19.22	
			For Half Louvered Door, Add	9.72	
			For Full Louvered Door, Add	16.20	
			For Oil Based Paint, Add	8.33	
			For >5 To 10, Deduct	-5.79	
			For >10 To 25, Deduct	-11.57	
			For >25, Deduct	-17.36	
09 91 23 00-0258	EA		1 Coat Paint, Brush/Roller Work, Both Faces, Paint Interior Metal Door	115.75	
			For Electrostatic Painting, Add	19.22	
			For Half Louvered Door, Add	9.72	
			For Full Louvered Door, Add	16.20	
			For Oil Based Paint, Add	8.34	
			For >5 To 10, Deduct	-5.79	
			For >10 To 25, Deduct	-11.58	
			For >25, Deduct	-17.36	
09 91 23 00-0259	EA		2 Coats Paint, Brush/Roller Work, Both Faces, Paint Interior Metal Door	211.53	
			For Electrostatic Painting, Add	36.44	
			For Half Louvered Door, Add	16.44	
			For Full Louvered Door, Add	27.41	
			For Oil Based Paint, Add	15.67	
			For >5 To 10, Deduct	-10.58	
			For >10 To 25, Deduct	-21.15	
			For >25, Deduct	-31.73	

09 Finishes**09 90 Painting and Coating****09 91 Painting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 91 23 00-0260	EA	1 Coat Primer, Sprayed, One Face, Paint Interior Metal Door.....	56.45	
		For Electrostatic Painting, Add	10.32	
		For Half Louvered Door, Add	3.79	
		For Full Louvered Door, Add	6.32	
		For Oil Based Paint, Add	4.38	
		For >5 To 10, Deduct	-2.82	
		For >10 To 25, Deduct	-5.65	
		For >25, Deduct	-8.47	
		For Backroll, Add	5.35	
09 91 23 00-0261	EA	1 Coat Paint, Sprayed, One Face, Paint Interior Metal Door	56.45	
		For Electrostatic Painting, Add	10.32	
		For Half Louvered Door, Add	3.79	
		For Full Louvered Door, Add	6.32	
		For Oil Based Paint, Add	4.38	
		For >5 To 10, Deduct	-2.82	
		For >10 To 25, Deduct	-5.65	
		For >25, Deduct	-8.47	
		For Backroll, Add	5.35	
09 91 23 00-0262	EA	2 Coats Paint, Sprayed, One Face, Paint Interior Metal Door.....	104.63	
		For Electrostatic Painting, Add	19.76	
		For Half Louvered Door, Add	6.40	
		For Full Louvered Door, Add	10.66	
		For Oil Based Paint, Add	8.33	
		For >5 To 10, Deduct	-5.23	
		For >10 To 25, Deduct	-10.46	
		For >25, Deduct	-15.69	
		For Backroll, Add	9.50	
09 91 23 00-0263	EA	1 Coat Primer, Sprayed, Both Faces, Paint Interior Metal Door.....	101.32	
		For Electrostatic Painting, Add	18.54	
		For Half Louvered Door, Add	6.79	
		For Full Louvered Door, Add	11.32	
		For Oil Based Paint, Add	7.87	
		For >5 To 10, Deduct	-5.07	
		For >10 To 25, Deduct	-10.13	
		For >25, Deduct	-15.20	
		For Backroll, Add	9.59	
09 91 23 00-0264	EA	1 Coat Paint, Sprayed, Both Faces, Paint Interior Metal Door	101.32	
		For Electrostatic Painting, Add	18.54	
		For Half Louvered Door, Add	6.79	
		For Full Louvered Door, Add	11.32	
		For Oil Based Paint, Add	7.87	
		For >5 To 10, Deduct	-5.07	
		For >10 To 25, Deduct	-10.13	
		For >25, Deduct	-15.20	
		For Backroll, Add	9.59	
09 91 23 00-0265	EA	2 Coats Paint, Sprayed, Both Faces, Paint Interior Metal Door	188.71	
		For Electrostatic Painting, Add	35.68	
		For Half Louvered Door, Add	11.49	
		For Full Louvered Door, Add	19.16	
		For Oil Based Paint, Add	15.04	
		For >5 To 10, Deduct	-9.44	
		For >10 To 25, Deduct	-18.87	
		For >25, Deduct	-28.31	
		For Backroll, Add	17.10	

09 91 23 00-0266 Paint Interior Wood Doors (09 91 23 00-0245)

09 91 23 00-0267	EA	1 Coat Primer, Brush/Roller Work, One Face, Paint Interior Wood Door.....	56.21	
		For Oil Based Paint, Add	3.81	
		For Half Louvered Door, Add	5.42	
		For Full Louvered Door, Add	9.04	
		For >5 To 10, Deduct	-2.81	
		For >10 To 25, Deduct	-5.62	
		For >25, Deduct	-8.43	
09 91 23 00-0268	EA	1 Coat Paint, Brush/Roller Work, One Face, Paint Interior Wood Door	56.21	
		For Oil Based Paint, Add	3.81	
		For Half Louvered Door, Add	5.42	
		For Full Louvered Door, Add	9.04	
		For >5 To 10, Deduct	-2.81	
		For >10 To 25, Deduct	-5.62	
		For >25, Deduct	-8.43	
09 91 23 00-0269	EA	2 Coats Paint, Brush/Roller Work, One Face, Paint Interior Wood Door	100.94	
		For Oil Based Paint, Add	7.04	
		For Half Louvered Door, Add	9.16	
		For Full Louvered Door, Add	15.26	
		For >5 To 10, Deduct	-5.05	
		For >10 To 25, Deduct	-10.09	
		For >25, Deduct	-15.14	
09 91 23 00-0270	EA	1 Coat Primer, Brush/Roller Work, Both Faces, Paint Interior Wood Door	100.87	
		For Oil Based Paint, Add	6.85	
		For Half Louvered Door, Add	9.72	
		For Full Louvered Door, Add	16.20	
		For >5 To 10, Deduct	-5.04	
		For >10 To 25, Deduct	-10.09	
		For >25, Deduct	-15.13	

			Finishes	09	
			Painting and Coating	09 90	
			Painting	09 91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST

09 91 23 00-0271	EA	1	Coat Paint, Brush/Roller Work, Both Faces, Paint Interior Wood Door.....	100.87	
			For Oil Based Paint, Add	6.85	
			For Half Louvered Door, Add	9.72	
			For Full Louvered Door, Add	16.20	
			For >5 To 10, Deduct	-5.04	
			For >10 To 25, Deduct	-10.09	
			For >25, Deduct	-15.13	
09 91 23 00-0272	EA	2	Coats Paint, Brush/Roller Work, Both Faces, Paint Interior Wood Door.....	181.78	
			For Oil Based Paint, Add	12.70	
			For Half Louvered Door, Add	16.44	
			For Full Louvered Door, Add	27.41	
			For >5 To 10, Deduct	-9.09	
			For >10 To 25, Deduct	-18.18	
			For >25, Deduct	-27.27	
09 91 23 00-0273	EA	1	Coat Primer, Sprayed, One Face, Paint Interior Wood Door	47.34	
			For Oil Based Paint, Add	3.47	
			For Half Louvered Door, Add	3.79	
			For Full Louvered Door, Add	6.32	
			For >5 To 10, Deduct	-2.37	
			For >10 To 25, Deduct	-4.73	
			For >25, Deduct	-7.10	
			For Backroll, Add	4.89	
09 91 23 00-0274	EA	1	Coat Paint, Sprayed, One Face, Paint Interior Wood Door.....	47.34	
			For Oil Based Paint, Add	3.47	
			For Half Louvered Door, Add	3.79	
			For Full Louvered Door, Add	6.32	
			For >5 To 10, Deduct	-2.37	
			For >10 To 25, Deduct	-4.73	
			For >25, Deduct	-7.10	
			For Backroll, Add	4.89	
09 91 23 00-0275	EA	2	Coats Paint, Sprayed, One Face, Paint Interior Wood Door.....	86.55	
			For Oil Based Paint, Add	6.52	
			For Half Louvered Door, Add	6.40	
			For Full Louvered Door, Add	10.67	
			For >5 To 10, Deduct	-4.33	
			For >10 To 25, Deduct	-8.66	
			For >25, Deduct	-12.98	
			For Backroll, Add	8.59	
09 91 23 00-0276	EA	1	Coat Primer, Sprayed, Both Faces, Paint Interior Wood Door.....	84.96	
			For Oil Based Paint, Add	6.23	
			For Half Louvered Door, Add	6.79	
			For Full Louvered Door, Add	11.32	
			For >5 To 10, Deduct	-4.25	
			For >10 To 25, Deduct	-8.50	
			For >25, Deduct	-12.74	
			For Backroll, Add	8.78	
09 91 23 00-0277	EA	1	Coat Paint, Sprayed, Both Faces, Paint Interior Wood Door	84.96	
			For Oil Based Paint, Add	6.23	
			For Half Louvered Door, Add	6.79	
			For Full Louvered Door, Add	11.32	
			For >5 To 10, Deduct	-4.25	
			For >10 To 25, Deduct	-8.50	
			For >25, Deduct	-12.74	
			For Backroll, Add	8.78	
09 91 23 00-0278	EA	2	Coats Paint, Sprayed, Both Faces, Paint Interior Wood Door	155.98	
			For Oil Based Paint, Add	11.77	
			For Half Louvered Door, Add	11.49	
			For Full Louvered Door, Add	19.16	
			For >5 To 10, Deduct	-7.80	
			For >10 To 25, Deduct	-15.60	
			For >25, Deduct	-23.40	
			For Backroll, Add	15.46	
09 91 23 00-0279	Paint Interior Metal Windows (09 91 23 00-0245)				
	Note: Two finish coats paint over rust inhibitive primer.				
09 91 23 00-0280	EA	Up To 8 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work	99.84		
		For Oil Based Paint, Add	5.93		
		For Electrostatic Painting, Add	12.81		
		For >5 To 10, Deduct	-4.99		
		For >10 To 25, Deduct	-9.98		
		For >25, Deduct	-14.98		
09 91 23 00-0281	EA	>8 To 14 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work	122.56		
		For Oil Based Paint, Add	7.58		
		For Electrostatic Painting, Add	16.62		
		For >5 To 10, Deduct	-6.13		
		For >10 To 25, Deduct	-12.26		
		For >25, Deduct	-18.38		
09 91 23 00-0282	EA	>14 To 20 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work	165.95		
		For Oil Based Paint, Add	10.36		
		For Electrostatic Painting, Add	22.79		
		For >5 To 10, Deduct	-8.30		
		For >10 To 25, Deduct	-16.60		
		For >25, Deduct	-24.89		

09 Finishes**09 90 Painting and Coating****09 91 Painting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 91 23 00-0283	EA	>20 To 26 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work	186.94
		<i>For Oil Based Paint, Add</i>	11.68
		<i>For Electrostatic Painting, Add</i>	25.70
		<i>For >5 To 10, Deduct</i>	-9.35
		<i>For >10 To 25, Deduct</i>	-18.69
		<i>For >25, Deduct</i>	-28.04
09 91 23 00-0284	EA	>26 To 34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work	207.17
		<i>For Oil Based Paint, Add</i>	12.93
		<i>For Electrostatic Painting, Add</i>	28.43
		<i>For >5 To 10, Deduct</i>	-10.36
		<i>For >10 To 25, Deduct</i>	-20.72
		<i>For >25, Deduct</i>	-31.08
09 91 23 00-0285	SF	>34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work	6.57
		<i>For Oil Based Paint, Add</i>	0.41
		<i>For Electrostatic Painting, Add</i>	0.90

09 91 23 00-0286 Paint Interior Wood Windows (09 91 23 00-0245)

Note: Two finish coats paint over primer.

09 91 23 00-0287	EA	Up To 8 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work	94.34
		<i>For Oil Based Paint, Add</i>	5.38
		<i>For >5 To 10, Deduct</i>	-4.72
		<i>For >10 To 25, Deduct</i>	-9.43
		<i>For >25, Deduct</i>	-14.15
09 91 23 00-0288	EA	>8 To 14 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work	114.06
		<i>For Oil Based Paint, Add</i>	6.73
		<i>For >5 To 10, Deduct</i>	-5.70
		<i>For >10 To 25, Deduct</i>	-11.41
		<i>For >25, Deduct</i>	-17.11
09 91 23 00-0289	EA	>14 To 20 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work	158.73
		<i>For Oil Based Paint, Add</i>	9.40
		<i>For >5 To 10, Deduct</i>	-7.94
		<i>For >10 To 25, Deduct</i>	-15.87
		<i>For >25, Deduct</i>	-23.81
09 91 23 00-0290	EA	>20 To 26 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work	178.74
		<i>For Oil Based Paint, Add</i>	10.59
		<i>For >5 To 10, Deduct</i>	-8.94
		<i>For >10 To 25, Deduct</i>	-17.87
		<i>For >25, Deduct</i>	-26.81
09 91 23 00-0291	EA	>26 To 34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work	192.16
		<i>For Oil Based Paint, Add</i>	11.43
		<i>For >5 To 10, Deduct</i>	-9.61
		<i>For >10 To 25, Deduct</i>	-19.22
		<i>For >25, Deduct</i>	-28.82
09 91 23 00-0292	SF	>34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work	6.41
		<i>For Oil Based Paint, Add</i>	0.38

09 91 23 00-0293 Paint Interior Security Screens (09 91 23 00-0245)

09 91 23 00-0294	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Security Screen	1.59
		<i>For Oil Based Paint, Add</i>	0.10
		<i>For Electrostatic Painting, Add</i>	0.22
09 91 23 00-0295	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Security Screen	1.58
		<i>For Oil Based Paint, Add</i>	0.09
		<i>For Electrostatic Painting, Add</i>	0.20
09 91 23 00-0296	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Security Screen	2.64
		<i>For Oil Based Paint, Add</i>	0.16
		<i>For Electrostatic Painting, Add</i>	0.35

09 91 23 00-0297 Paint Interior Window Guards (09 91 23 00-0245)

09 91 23 00-0298	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Metal Window Guards	1.59
		<i>For Oil Based Paint, Add</i>	0.10
09 91 23 00-0299	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Metal Window Guards	1.58
		<i>For Oil Based Paint, Add</i>	0.09
09 91 23 00-0300	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Metal Window Guards	2.64
		<i>For Oil Based Paint, Add</i>	0.16

09 91 23 00-0301 Paint Interior Window Trim (09 91 23 00-0245)

09 91 23 00-0302	LF	1 Coat Primer, Brush/Roller Work, Paint Interior Wood Window Frame And Trim	1.51
		<i>For Oil Based Paint, Add</i>	0.09
		<i>For Painting One Face Of Frame Only, Deduct</i>	-0.43
09 91 23 00-0303	LF	1 Coat Paint, Brush/Roller Work, Paint Interior Wood Window Frame And Trim	1.51
		<i>For Oil Based Paint, Add</i>	0.09
		<i>For Painting One Face Of Frame Only, Deduct</i>	-0.43
09 91 23 00-0304	LF	2 Coats Paint, Brush/Roller Work, Paint Interior Wood Window Frame And Trim	3.28
		<i>For Oil Based Paint, Add</i>	0.20
		<i>For Painting One Face Of Frame Only, Deduct</i>	-0.93

			Finishes	09	9
			Painting and Coating	09 90	
			Painting	09 91	
MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
			UNIT COST	UNIT COST	
09 91 23 00-0305	LF	1 Coat Primer, Brush/Roller Work, Paint Interior Metal Window Frame And Trim Note: Brush/roller work. For Painting One Face Of Frame Only, Deduct	1.76 -0.53		
09 91 23 00-0306	LF	1 Coat Paint, Brush/Roller Work, Paint Interior Metal Window Frame And Trim Note: Brush/roller work. For Painting One Face Of Frame Only, Deduct	1.76 -0.53		
09 91 23 00-0307	LF	2 Coats Paint, Brush/Roller Work, Paint Interior Metal Window Frame And Trim..... Note: Brush/roller work. For Painting One Face Of Frame Only, Deduct	3.77 -1.13		
09 91 23 00-0308		Paint Interior Cabinets And Casework (09 91 23)			
09 91 23 00-0309		Paint Interior Wood Cabinets And Casework (09 91 23 00-0308)			
09 91 23 00-0310	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Wood Cabinets And Casework For >5,000 To 10,000, Deduct For >10,000 To 20,000, Deduct For >20,000, Deduct	1.35 -0.07 -0.14 -0.20		
09 91 23 00-0311	SF	1 Coat Enamel Primer And 1 Coat Alkyd Or Latex Paint, Brush/Roller Work, Paint Interior Wood Cabinets And Casework For >5,000 To 10,000, Deduct For >10,000 To 20,000, Deduct For >20,000, Deduct	1.87 -0.09 -0.19 -0.28		
09 91 23 00-0312	SF	1 Coat Enamel Primer And 2 Coats Alkyd Or Latex Paint, Brush/Roller Work, Paint Interior Wood Cabinets And Casework For >5,000 To 10,000, Deduct For >10,000 To 20,000, Deduct For >20,000, Deduct	3.13 -0.16 -0.31 -0.47		
09 91 23 00-0313		Paint Exposed Metal Lockers And Cabinets (09 91 23 00-0308)			
09 91 23 00-0314	SF	1 Coat Primer, Brush/Roller Work, Paint Exposed Metal Locker For >5,000 To 10,000, Deduct For >10,000 To 20,000, Deduct For >20,000, Deduct	1.48 -0.07 -0.15 -0.22		
09 91 23 00-0315	SF	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Exposed Metal Locker..... For >5,000 To 10,000, Deduct For >10,000 To 20,000, Deduct For >20,000, Deduct	1.46 -0.07 -0.15 -0.22		
09 91 23 00-0316	SF	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Exposed Metal Locker..... For >5,000 To 10,000, Deduct For >10,000 To 20,000, Deduct For >20,000, Deduct	2.72 -0.14 -0.27 -0.41		
09 91 23 00-0317		Paint Interior Stairs (09 91 23)			
09 91 23 00-0318		Paint Interior Concrete Stairs (09 91 23 00-0317) Note: Includes the riser and tread.			
09 91 23 00-0319	RSR	1 Coat Primer, Brush/Roller Work, Paint Interior Concrete Stair (To 4' Wide)	18.60		
09 91 23 00-0320	RSR	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Concrete Stair (To 4' Wide).....	18.60		
09 91 23 00-0321	RSR	1 Coat Non-Slip Paint, Brush/Roller Work, Paint Interior Concrete Stair (To 4' Wide)..... Note: Excludes riser.	15.97		
09 91 23 00-0322	RSR	1 Coat Non-Slip Epoxy Paint, Brush/Roller Work, Paint Interior Concrete Stair (To 4' Wide)..... Note: Excludes riser.	33.93		
09 91 23 00-0323	RSR	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Concrete Stair (To 4' Wide)	37.21		
09 91 23 00-0324		Paint Interior Metal Stairs (09 91 23 00-0317) Note: Includes the riser and tread.			
09 91 23 00-0325	RSR	1 Coat Primer, Brush/Roller Work, Paint Interior Metal Stair (To 4' Wide)	10.35		
09 91 23 00-0326	RSR	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Metal Stair (To 4' Wide)	9.97		
09 91 23 00-0327	RSR	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Metal Stair (To 4' Wide).....	19.93		
09 91 23 00-0328		Paint Interior Wood Stairs (09 91 23 00-0317) Note: Includes the riser and tread.			
09 91 23 00-0329	RSR	1 Coat Primer, Brush/Roller Work, Paint Interior Wood Stair (To 4' Wide)	9.67		
09 91 23 00-0330	RSR	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Wood Stair (To 4' Wide).....	9.67		
09 91 23 00-0331	RSR	1 Coat Non-Slip Paint, Brush/Roller Work, Paint Interior Wood Stair (To 4' Wide)..... Note: Excludes riser.	11.50		
09 91 23 00-0332	RSR	1 Coat Non-Slip Epoxy Paint, Brush/Roller Work, Paint Interior Wood Stair (To 4' Wide)..... Note: Excludes riser.	29.46		
09 91 23 00-0333	RSR	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Wood Stair (To 4' Wide)	19.33		
09 91 23 00-0334		Paint Interior Stair Nosing (09 91 23 00-0317)			
09 91 23 00-0335	LF	1 Coat Paint, Up To 2", Non-Slip, Brush Work, Paint Interior Yellow Stair Safety Strip	1.67		
09 91 23 00-0336		Paint Interior Trim (09 91 23)			
09 91 23 00-0337		Paint Interior Metal Trim (09 91 23 00-0336)			

09 Finishes**09 90 Painting and Coating****09 91 Painting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 91 23 00-0338	SF	1 Coat Primer, Brush Work, Paint Interior Exposed Metal Trim	1.32	
		For Work >15' To 20' Above Floor, Add	0.16	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.26	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.42	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.58	
		Note: Applied only to work area above 40'.		
09 91 23 00-0339	SF	1 Coat Paint, Brush Work, Paint Interior Exposed Metal Trim	1.43	
		For Work >15' To 20' Above Floor, Add	0.17	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.29	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.46	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.64	
		Note: Applied only to work area above 40'.		
09 91 23 00-0340	SF	2 Coats Paint, Brush Work, Paint Interior Exposed Metal Trim	2.60	
		For Work >15' To 20' Above Floor, Add	0.31	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.52	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.82	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	1.13	
		Note: Applied only to work area above 40'.		
09 91 23 00-0341	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Exposed Metal Trim	1.11	
		For Work >15' To 20' Above Floor, Add	0.13	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.21	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.34	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.46	
		Note: Applied only to work area above 40'.		
09 91 23 00-0342	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Exposed Metal Trim	1.21	
		For Work >15' To 20' Above Floor, Add	0.14	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.24	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.38	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.52	
		Note: Applied only to work area above 40'.		
09 91 23 00-0343	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Exposed Metal Trim	2.19	
		For Work >15' To 20' Above Floor, Add	0.25	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.41	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.66	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.91	
		Note: Applied only to work area above 40'.		

09 91 23 00-0344 Paint Interior Wood Trim (09 91 23 00-0336)

09 91 23 00-0345	LF	1 Coat Primer, Brush Work, Paint Interior Wood Trim To 6" Wide	0.84	
		For Work >15' To 20' Above Floor, Add	0.11	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.19	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.30	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.41	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	0.05	
09 91 23 00-0346	LF	1 Coat Paint, Brush Work, Paint Interior Wood Trim To 6" Wide	0.93	
		For Work >15' To 20' Above Floor, Add	0.12	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.21	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.33	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.46	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	0.05	
09 91 23 00-0347	LF	2 Coats Paint, Brush Work, Paint Interior Wood Trim To 6" Wide	1.92	
		For Work >15' To 20' Above Floor, Add	0.27	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.45	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.71	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.98	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	0.10	

		Finishes	09	2
		Painting and Coating	09 90	
		Painting	09 91	
MINOR	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
CSI		UNIT COST	UNIT COST	

09 91 23 00-0348	SF 1 Coat Primer, Brush Work, Paint Interior Wood Trim	2.60	
	For Work >15' To 20' Above Floor, Add	0.33	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.56	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.89	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	1.22	
	Note: Applied only to work area above 40'.		
	For Oil Based Paint, Add	0.15	
09 91 23 00-0349	SF 1 Coat Paint, Brush Work, Paint Interior Wood Trim	2.88	
	For Work >15' To 20' Above Floor, Add	0.37	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.62	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.98	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	1.35	
	Note: Applied only to work area above 40'.		
	For Oil Based Paint, Add	0.17	
09 91 23 00-0350	SF 2 Coats Paint, Brush Work, Paint Interior Wood Trim	5.25	
	For Work >15' To 20' Above Floor, Add	0.66	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	1.10	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	1.76	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	2.42	
	Note: Applied only to work area above 40'.		
	For Oil Based Paint, Add	0.31	
09 91 23 00-0351	SF 1 Coat Primer, Brush/Roller Work, Paint Interior Wood Trim	2.15	
	For Work >15' To 20' Above Floor, Add	0.27	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.44	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.71	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.97	
	Note: Applied only to work area above 40'.		
	For Oil Based Paint, Add	0.13	
09 91 23 00-0352	SF 1 Coat Paint, Brush/Roller Work, Paint Interior Wood Trim	2.40	
	For Work >15' To 20' Above Floor, Add	0.30	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.50	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.79	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	1.09	
	Note: Applied only to work area above 40'.		
	For Oil Based Paint, Add	0.14	
09 91 23 00-0353	SF 2 Coats Paint, Brush/Roller Work, Paint Interior Wood Trim	4.35	
	For Work >15' To 20' Above Floor, Add	0.53	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.88	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	1.40	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	1.93	
	Note: Applied only to work area above 40'.		
	For Oil Based Paint, Add	0.26	

09 91 23 00-0354 Paint Interior Metal Surfaces (09 91 23)

09 91 23 00-0355 Paint Interior Miscellaneous Metal Surfaces (09 91 23 00-0354)

09 91 23 00-0356	SF 1 Coat Alkyd Anticorrosive Metal Primer, Brush/Roller Work, Paint Interior Miscellaneous Metal Surfaces	0.94	
	For Electrostatic Painting, Add	0.14	
	For Work >15' To 20' Above Floor, Add	0.10	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.17	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.26	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.36	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.54	
	For >100 To 250, Add	0.26	
	For >250 To 500, Add	0.11	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.09	
	For >10,000 To 20,000, Deduct	-0.14	
	For >20,000, Deduct	-0.19	

09 Finishes**09 90 Painting and Coating****09 91 Painting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 91 23 00-0357	SF	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Miscellaneous Metal Surfaces.....	1.10	
		For Electrostatic Painting, Add	0.15	
		For Work >15' To 20' Above Floor, Add	0.12	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.21	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.33	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.45	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.66	
		For >100 To 250, Add	0.32	
		For >250 To 500, Add	0.14	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.11	
		For >10,000 To 20,000, Deduct	-0.17	
		For >20,000, Deduct	-0.22	
09 91 23 00-0358	SF	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Miscellaneous Metal Surfaces.....	1.95	
		For Electrostatic Painting, Add	0.27	
		For Work >15' To 20' Above Floor, Add	0.22	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.37	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.59	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.81	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.17	
		For >100 To 250, Add	0.56	
		For >250 To 500, Add	0.24	
		For >2,500 To 5,000, Deduct	-0.10	
		For >5,000 To 10,000, Deduct	-0.20	
		For >10,000 To 20,000, Deduct	-0.29	
		For >20,000, Deduct	-0.39	
09 91 23 00-0359	SF	1 Coat Alkyd Anticorrosive Metal Primer, Sprayed, Paint Interior Miscellaneous Metal Surfaces.....	1.21	
		For Electrostatic Painting, Add	0.17	
		For Work >15' To 20' Above Floor, Add	0.14	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.23	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.36	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.50	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.72	
		For >100 To 250, Add	0.35	
		For >250 To 500, Add	0.15	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.12	
		For >10,000 To 20,000, Deduct	-0.18	
		For >20,000, Deduct	-0.24	
		For Backroll, Add	0.15	
09 91 23 00-0360	SF	1 Coat Alkyd Enamel Paint, Sprayed, Paint Interior Miscellaneous Metal Surfaces	1.21	
		For Electrostatic Painting, Add	0.17	
		For Work >15' To 20' Above Floor, Add	0.14	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.23	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.36	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.50	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.72	
		For >100 To 250, Add	0.35	
		For >250 To 500, Add	0.15	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.12	
		For >10,000 To 20,000, Deduct	-0.18	
		For >20,000, Deduct	-0.24	
		For Backroll, Add	0.15	
09 91 23 00-0361	SF	2 Coats Alkyd Enamel Paint, Sprayed, Paint Interior Miscellaneous Metal Surfaces	1.97	
		For Electrostatic Painting, Add	0.28	
		For Work >15' To 20' Above Floor, Add	0.21	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.35	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.56	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.76	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.13	
		For >100 To 250, Add	0.54	
		For >250 To 500, Add	0.24	
		For >2,500 To 5,000, Deduct	-0.10	
		For >5,000 To 10,000, Deduct	-0.20	
		For >10,000 To 20,000, Deduct	-0.30	
		For >20,000, Deduct	-0.39	
		For Backroll, Add	0.24	

Cal Poly Humboldt.		Finishes 09		09
		Painting and Coating 09 90		
		Painting 09 91		
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
09 91 23 00-0362	LF 1 Coat Alkyd Enamel, Cut-in Brush Work, Paint Interior Miscellaneous Exposed Metal.....	0.19		
	For Electrostatic Painting, Add	0.03		
	For Work >15' To 20' Above Floor, Add	0.02		
	Note: Applied only to work area above 15' to 20'.			
	For Work >20' To 30' Above Floor, Add	0.04		
	Note: Applied only to work area above 20' to 30'.			
	For Work >30' To 40' Above Floor, Add	0.06		
	Note: Applied only to work area above 30' to 40'.			
	For Work >40' Above Floor, Add	0.08		
	Note: Applied only to work area above 40'.			
	For Up To 100, Add	0.11		
	For >100 To 250, Add	0.05		
	For >250 To 500, Add	0.02		
	For >2,500 To 5,000, Deduct	-0.01		
	For >5,000 To 10,000, Deduct	-0.02		
	For >10,000 To 20,000, Deduct	-0.03		
	For >20,000, Deduct	-0.04		
09 91 23 00-0363	Stencil Painting Letters/Numbers (09 91 23)			
	Note: Painting on walls, floors, poles, etc. Includes stencil cutout and paint.			
09 91 23 00-0364	EA Up To 1" High, Stencil Painting, Per Letter/Number	2.12		
	For >200 To 500, Deduct	-0.17		
	For >500 To 1,000, Deduct	-0.27		
	For >1,000 To 2,000, Deduct	-0.34		
	For >2,000, Deduct	-0.42		
09 91 23 00-0365	EA 1" To 2" High, Stencil Painting, Per Letter/Number.....	2.45		
	For >200 To 500, Deduct	-0.20		
	For >500 To 1,000, Deduct	-0.31		
	For >1,000 To 2,000, Deduct	-0.39		
	For >2,000, Deduct	-0.49		
09 91 23 00-0366	EA 2" To 3" High, Stencil Painting, Per Letter/Number.....	4.11		
	For >200 To 500, Deduct	-0.33		
	For >500 To 1,000, Deduct	-0.51		
	For >1,000 To 2,000, Deduct	-0.66		
	For >2,000, Deduct	-0.82		
09 91 23 00-0367	EA 3" To 4" High, Stencil Painting, Per Letter/Number.....	5.04		
	For >200 To 500, Deduct	-0.40		
	For >500 To 1,000, Deduct	-0.63		
	For >1,000 To 2,000, Deduct	-0.81		
	For >2,000, Deduct	-1.01		
09 91 23 00-0368	EA 4" To 6" High, Stencil Painting, Per Letter/Number.....	6.92		
	For >200 To 500, Deduct	-0.55		
	For >500 To 1,000, Deduct	-0.87		
	For >1,000 To 2,000, Deduct	-1.11		
	For >2,000, Deduct	-1.38		
09 91 23 00-0369	EA 6" To 12" High, Stencil Painting, Per Letter/Number.....	9.18		
	For >200 To 500, Deduct	-0.73		
	For >500 To 1,000, Deduct	-1.15		
	For >1,000 To 2,000, Deduct	-1.47		
	For >2,000, Deduct	-1.84		
09 91 23 00-0370	EA Over 12" High, Stencil Painting, Per Letter/Number	10.82		
	For >200 To 500, Deduct	-0.87		
	For >500 To 1,000, Deduct	-1.35		
	For >1,000 To 2,000, Deduct	-1.73		
	For >2,000, Deduct	-2.16		
09 91 23 00-0371	Paint Additives (09 91 23)			
09 91 23 00-0372	SF Mildewcide/Mold Killing Paint Additive Per Each Coat.....	0.02		
09 91 23 00-0373	SF Class "B" Fire Rating, Fire Resistant Paint Additive	0.08		
	For Class "A" Fire Rating, Add	0.08		
09 91 23 00-0374	Hand Painting Letters/Numbers (09 91 23)			
	Note: Painting on walls, floors, poles, signs, etc.			
09 91 23 00-0375	EA Up To 1" High, Hand Paint, Per Letter/Number	2.59		
09 91 23 00-0376	EA 1" To 2" High, Hand Paint, Per Letter/Number.....	3.01		
09 91 23 00-0377	EA 2" To 3" High, Hand Paint, Per Letter/Number.....	4.55		
09 91 23 00-0378	EA 3" To 4" High, Hand Paint, Per Letter/Number.....	5.56		
09 91 23 00-0379	EA 4" To 6" High, Hand Paint, Per Letter/Number.....	7.67		
09 91 23 00-0380	EA 6" To 12" High, Hand Paint, Per Letter/Number.....	9.70		
09 91 23 00-0381	EA Over 12" High, Hand Paint, Per Letter/Number	11.36		
09 91 23 00-0382	Glove/Mitt Application (09 91 23)			
09 91 23 00-0383	Conduit/Pipe (09 91 23 00-0382)			
09 91 23 00-0384	CSF Acid Wash (Muriatic Acid) Conduit Or Pipe With Glove/Mitt	48.87		
	For Work >15' To 20' Above Floor, Add	6.73		
	Note: Applied only to work area above 15' to 20'.			
	For Work >20' To 30' Above Floor, Add	11.22		
	Note: Applied only to work area above 20' to 30'.			
	For Work >30' To 40' Above Floor, Add	17.95		
	Note: Applied only to work area above 30' to 40'.			
	For Work >40' Above Floor, Add	24.68		
	Note: Applied only to work area above 40'.			

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

09 91 23 00-0385	CSF Metal Primer Conduit Or Pipe With Glove/Mitt.....	86.12	
	For Work >15' To 20' Above Floor, Add	8.07	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	13.46	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	21.53	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	29.61	
	Note: Applied only to work area above 40'.		
09 91 23 00-0386	CSF Enamel Paint, Oil Base Paint, First Coat Conduit Or Pipe With Glove/Mitt.....	68.56	
	For Work >15' To 20' Above Floor, Add	5.92	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	9.87	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	15.79	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	21.71	
	Note: Applied only to work area above 40'.		
09 91 23 00-0387	CSF Enamel Paint, Oil Base Paint, Second Coat Conduit Or Pipe With Glove/Mitt.....	56.86	
	For Work >15' To 20' Above Floor, Add	4.44	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	7.41	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	11.85	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	16.29	
	Note: Applied only to work area above 40'.		
09 91 23 00-0388	CSF Epoxy Paint, First Coat Conduit Or Pipe With Glove/Mitt.....	110.55	
	For Work >15' To 20' Above Floor, Add	6.73	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	11.22	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	17.95	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	24.68	
	Note: Applied only to work area above 40'.		
09 91 23 00-0389	CSF Epoxy Paint, Second Coat Conduit Or Pipe With Glove/Mitt	102.44	
	For Work >15' To 20' Above Floor, Add	5.92	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	9.87	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	15.79	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	21.71	
	Note: Applied only to work area above 40'.		

09 91 23 00-0390 Ductwork (09 91 23 00-0382)

09 91 23 00-0391	CSF Acid Wash (Muriatic Acid) Ductwork With Glove/Mitt.....	48.87	
	For Work >15' To 20' Above Floor, Add	6.73	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	11.22	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	17.95	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	24.68	
	Note: Applied only to work area above 40'.		
09 91 23 00-0392	CSF Metal Primer Ductwork With Glove/Mitt	81.69	
	For Work >15' To 20' Above Floor, Add	6.73	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	11.22	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	17.95	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	24.68	
	Note: Applied only to work area above 40'.		
09 91 23 00-0393	CSF Enamel Paint, Oil Base Paint Ductwork With Glove/Mitt.....	62.30	
	For Work >15' To 20' Above Floor, Add	5.38	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	8.97	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	14.36	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	19.74	
	Note: Applied only to work area above 40'.		
09 91 23 00-0394	CSF Epoxy Paint, First Coat Ductwork With Glove/Mitt	105.83	
	For Work >15' To 20' Above Floor, Add	6.73	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	11.22	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	17.95	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	24.68	
	Note: Applied only to work area above 40'.		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0035	CSF	Epoxy Paint, Second Coat Ductwork With Glove/Mitt.....	93.04	
		For Work >15' To 20' Above Floor, Add	5.38	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	8.97	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	14.36	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	19.74	
		Note: Applied only to work area above 40'.		
09 91 33 Painting Materials (09 91)				
Note: Paint per gallon for owners to obtain extra paint. Not to be used in conjunction with other painting tasks.				
09 91 33 00-0001	Primer (09 91 33)			
09 91 33 00-0002	GAL	Alkyd Primer/Sealer, Interior, 500 SF Per Gallon.....	70.13	
09 91 33 00-0003	GAL	Alkyd Wood Primer, Exterior, 400 SF Per Gallon	48.70	
09 91 33 00-0004	GAL	Prime Coat Oil Wood Primer, 310 SF Per Gallon	61.75	
09 91 33 00-0005	GAL	Catalyzed Epoxy Primer, Two Component Type, 425 SF Per Gallon.....	160.49	
09 91 33 00-0006	EA	Cement Base Primer, 25 Lb. Sack.....	50.93	
09 91 33 00-0007	GAL	Alkali Resistant Concrete And Masonry Primer, Exterior, 225 SF Per Gallon	78.51	
09 91 33 00-0008	GAL	Alkali Resistant Concrete And Masonry Primer, Interior, 225 SF Per Gallon.....	63.02	
09 91 33 00-0009	GAL	Acrylic Latex Primer, Flat Exterior, Fast Drying Wood Undercoat And Back Primer, 400 SF per Gallon.....	48.70	
09 91 33 00-0010	GAL	Acrylic (Vinyl Acrylic) Block Filler, 50 SF Per Gallon.....	44.24	
09 91 33 00-0011	GAL	Acrylic (Vinyl Acrylic) Rust Inhibiting Metal, Primer - 500 SF Per Gallon: Paint - 260 SF Per Gallon	77.98	
09 91 33 00-0012	GAL	Acrylic Heavy-Duty Wall Primer/Sealer, Low Odor Type, Alkali-Resistant, 800 SF Per Gallon	64.93	
09 91 33 00-0013	GAL	Acrylic (Vinyl Acrylic) Undercoat, All Purpose, Interior/Exterior, 500 SF Per Gallon.....	64.93	
09 91 33 00-0014	GAL	Latex Wood Primer, Exterior, 300 SF Per Gallon	73.21	
09 91 33 00-0015	GAL	Linseed (Oil Base) Primer, Exterior/Interior, 300 SF Per Gallon	47.74	
09 91 33 00-0016	GAL	Red Alkyd Primer, 500 SF Per Gallon	120.03	
09 91 33 00-0017	GAL	Wood Sealer/Primer, Interior, Clear, 600 SF Per Gallon	50.93	
09 91 33 00-0018	GAL	Zinc Chromate Primer, 300 SF Per Gallon	40.74	
09 91 33 00-0019	GAL	Zinc Dust/Zinc Oxide Primer, 300 SF Per Gallon.....	105.35	
09 91 33 00-0020	GAL	Stain Killer, Alcohol Base.....	65.69	
09 91 33 00-0021	GAL	Sealer, Primer Kilz, 400 SF Per Gallon.....	74.13	
09 91 33 00-0022 Paint (09 91 33)				
09 91 33 00-0023	GAL	Aluminum Fiber Roof Coat On Composition Roof, 50 SF Per Gallon.....	35.65	
09 91 33 00-0024	GAL	Acrylic Urethane Sealer	176.76	
09 91 33 00-0025	GAL	Asphalt-Fiber Roof And Foundation Coating, Solvent Type	19.10	
		Note: 75 SF per gallon on roof or concrete, 100 SF per gallon on metal.		
09 91 33 00-0026	GAL	Concrete Enamel Epoxy, 350 SF Per Gallon.....	110.45	
09 91 33 00-0027	GAL	Concrete Acrylic Sealer, 400 SF Per Gallon	57.93	
09 91 33 00-0028	GAL	Tar Emulsion, Driveway Coating, 120 SF Per Gallon	23.91	
09 91 33 00-0029	GAL	Acrylic Latex, Driveway Coating, 250 SF Per Gallon.....	36.27	
09 91 33 00-0030	GAL	Exterior, Oil Base, Gloss Enamel, 400 SF Per Gallon	98.90	
09 91 33 00-0031	GAL	Exterior, Oil Base, Gloss, 400 SF Per Gallon	97.64	
09 91 33 00-0032	GAL	Exterior, Oil Base, Semi-Gloss, 400 SF Per Gallon	79.70	
09 91 33 00-0033	GAL	Exterior, Flat, Oil Base.....	73.06	
09 91 33 00-0034	GAL	Exterior, Latex, Semi-Gloss, 400 SF Per Gallon.....	69.34	
09 91 33 00-0035	GAL	Exterior, Flat Latex, Trim Paint, 500 SF Per Gallon	81.70	
09 91 33 00-0036	GAL	Exterior, Latex Flat Paint, 300 SF Per Gallon	72.53	
09 91 33 00-0037	GAL	Exterior, Water Base, Latex Gloss Enamel.....	103.24	
09 91 33 00-0038	GAL	Cold Galvanizing Paint	363.46	
09 91 33 00-0039	GAL	High Heat Paint.....	169.93	
09 91 33 00-0040	GAL	Heat Resistant Paint.....	113.29	
09 91 33 00-0041	GAL	Zinc Chromate Paint.....	102.50	
09 91 33 00-0042	QT	Anti-Rust Enamel, 500 SF Per Quart.....	40.46	
09 91 33 00-0043	GAL	Rust Inhibitor, Ferrous Metal	113.29	
09 91 33 00-0044	GAL	Masonry Waterproofing, 100 SF Per Gallon	72.53	
09 91 33 00-0045	GAL	Alkyd Latex, Black	84.07	
09 91 33 00-0046	GAL	Alkyd Latex, White	76.42	
09 91 33 00-0047	GAL	Alkyd Latex, Colors.....	92.16	
09 91 33 00-0048	QT	Wrought Iron Paint, Black	103.40	
09 91 33 00-0049	GAL	Vinyl Paint.....	97.40	
09 91 33 00-0050	GAL	Silicone Alkyd	118.40	
09 91 33 00-0051	GAL	2 Component Solvent Based Acrylic Epoxy.....	120.31	
09 91 33 00-0052	GAL	2 Component Solvent Based Polyester Epoxy	150.87	
09 91 33 00-0053	GAL	Chlorinated Rubber.....	110.76	
09 91 33 00-0054	GAL	Polyamide Epoxy Sealer.....	114.58	
09 91 33 00-0055	GAL	Coal Tar Epoxy.....	82.12	
09 91 33 00-0056	GAL	Swimming Pool Enamel, 350 SF Per Gallon	102.49	
09 91 33 00-0057	GAL	Swimming Pool Epoxy Or Urethane Base	133.68	
09 91 33 00-0058	GAL	Swimming Pool Rubber Base.....	91.67	
09 91 33 00-0059	GAL	Interior, Latex Flat Paint, 300 SF Per Gallon	58.25	
09 91 33 00-0060	GAL	Interior, Latex Eggshell Or Semi-Gloss Enamel, 300 SF Per Gallon	71.77	
09 91 33 00-0061	GAL	Interior, Fire-Retardant Flat Paint, 200 SF Per Gallon	119.36	
09 91 33 00-0062	GAL	Interior, Ceiling White Latex Flat, 350 SF Per Gallon	40.42	
09 91 33 00-0063	GAL	Linseed Oil.....	35.33	
09 91 33 00-0064	GAL	Latex Floor Paint, 300 SF Per Gallon	57.93	
09 91 33 00-0065	GAL	Acrylic Floor Paint, 400 SF Per Gallon	65.25	
09 91 33 00-0066	GAL	Textured Paint, Sand Texture Latex, Armor Coat, 100 SF Per Gallon.....	59.68	
09 91 33 00-0067	GAL	Acoustic Spray-On Texture, Finish	47.96	

09 Finishes**09 90 Painting and Coating****09 91 Painting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 91 33 00-0068	Stain, Varnish (09 91 33)		
09 91 33 00-0069	GAL Thompson Water Sealer, 150 SF Per Gallon.....	33.10	
09 91 33 00-0070	GAL Latex Redwood Stain, Water Base, 300 SF Per Gallon.....	61.75	
09 91 33 00-0071	GAL Redwood Oil Stain, 300 SF Per Gallon.....	55.06	
09 91 33 00-0072	GAL Varnish, Clear.....	45.36	
09 91 33 00-0073	GAL Penetrating Water-Repellent Stain.....	32.94	
09 91 33 00-0074	GAL Redwood Hue Or Clear Stain.....	29.44	
09 91 33 00-0075	GAL Polyurethane.....	51.69	
09 91 33 00-0076	GAL Lacquer, Semi-Gloss.....	58.10	
09 91 33 00-0077	GAL Shellac, Clear.....	76.22	
09 91 33 00-0078	GAL Acetone.....	25.14	
09 91 33 00-0079	GAL Paint Thinner.....	6.21	
09 91 33 00-0080	GAL Shellac Or Lacquer Thinner.....	25.46	
09 91 33 00-0081	GAL Turpentine.....	35.01	
09 91 33 00-0082	GAL Wood Filler Paste.....	59.84	
09 91 33 00-0083	GAL Wood Preservative, Pentachlorophenol, General Purpose, 40%, 150 SF Per Gallon.....	47.74	
09 91 33 00-0084	GAL Water Based Alkyd Urethane (Sherwin Williams B53W01153).....	106.51	

09 91 43 Surface Preparation (09 91)

See CSI section 09 01 90 52-0000 for preparation on painted or unpainted surfaces.

09 91 43 00-0001	Protection Of Surfaces (09 91 43)		
09 91 43 00-0002	SF Drop Cloths.....	0.43	
	Note: Remove after use.		
09 91 43 00-0003	LF Painter Masking Tape.....	0.29	
	Note: Remove after use.		

09 93 Staining and Transparent Finishing (09 90)

Note: Includes light sanding or screening between coats.

09 93 13 Exterior Staining and Finishing (09 93)**09 93 13 53 Exterior Finishing** (09 93 13)

09 93 13 53-0001	Stain Sealer (09 93 13 53)		
	Note: Measured by surface area of wall or ceiling.		
09 93 13 53-0002	SF Stain Sealer, Brush Work.....	0.99	
	For Ceiling Work, Add	0.13	
	For >5,000 To 10,000, Deduct	-0.03	
	For >10,000 To 20,000, Deduct	-0.06	
	For >20,000, Deduct	-0.08	
09 93 13 53-0003	SF Stain Sealer, Brush/Roller Work.....	0.80	
	For Ceiling Work, Add	0.10	
	For >5,000 To 10,000, Deduct	-0.02	
	For >10,000 To 20,000, Deduct	-0.05	
	For >20,000, Deduct	-0.07	
09 93 13 53-0004	SF Stain Sealer, Sprayed.....	0.32	
	For Ceiling Work, Add	0.03	
	For >5,000 To 10,000, Deduct	-0.01	
	For >10,000 To 20,000, Deduct	-0.02	
	For >20,000, Deduct	-0.03	

09 93 23 Interior Staining and Finishing (09 93)

Note: VOC compliant in all regulated areas, review specifications for levels.

09 93 23 13 Interior Staining (09 93 23)

09 93 23 13-0001	Stain Wood Trim (09 93 23 13)		
09 93 23 13-0002	LF Stain Wood Trim, Up To 6" Wide, 1 Coat Stain, With Brush And Wipe Off.....	1.21	
	For Up To 100, Add	0.86	
	For >100 To 250, Add	0.40	
	For >250 To 500, Add	0.17	
	For >4,000, Deduct	-0.06	
09 93 23 13-0003	SF Stain Wood Trim, 1 Coat Stain, With Brush And Wipe Off.....	1.80	
	For Up To 100, Add	1.26	
	For >100 To 250, Add	0.59	
	For >250 To 500, Add	0.26	
	For >4,000, Deduct	-0.09	

09 93 23 13-0004 Stain Wood Floor (09 93 23 13)

09 93 23 13-0005	SF Stain Or Varnish Wood Floor, 1 Coat Stain, Brush Work.....	0.59	
	For Up To 100, Add	0.35	
	For >100 To 250, Add	0.17	
	For >250 To 500, Add	0.07	
	For >4,000, Deduct	-0.03	
09 93 23 13-0006	SF Stain Or Varnish Wood Floor, 1 Coat Stain, Brush/Roller Work.....	0.44	
	For Up To 100, Add	0.24	
	For >100 To 250, Add	0.12	
	For >250 To 500, Add	0.05	
	For >4,000, Deduct	-0.02	

09 93 23 13-0007 Stain Wood Door And Window (09 93 23 13)

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 93 23 13-0008	EA	Stain Wood Door, 1 Coat Stain With Brush And Wipe Off Wood Door (Per Face)	57.94	
		For Up To 4, Add	42.08	
		For >4 To 10, Add	19.70	
		For >10 To 20, Add	8.46	
		For >160, Deduct	-2.90	
09 93 23 13-0009	EA	Stain Wood Window, 1 Coat Stain With Brush And Wipe Off Wood Window And Frame (Per Face).....	41.51	
		For Up To 4, Add	29.10	
		For >4 To 10, Add	13.68	
		For >10 To 20, Add	5.89	
		For >160, Deduct	-2.08	
09 93 23 13-0010		Stain Wood Cabinet (09 93 23 13)		
09 93 23 13-0011	SF	Stain Cabinet, 1 Coat Stain With Brush And Wipe.....	1.45	
09 93 23 53		Interior Finishing (09 93 23)		
09 93 23 53-0001		Concrete Finishes (09 93 23 53)		
09 93 23 53-0002	SF	Finish Concrete Floor, 1 Coat Polyurethane	0.89	
		For Up To 100, Add	0.52	
		For >100 To 250, Add	0.25	
		For >250 To 500, Add	0.11	
		For >4,000, Deduct	-0.04	
09 93 23 53-0003		Wood Trim Finishes (09 93 23 53)		
09 93 23 53-0004	SF	Finish Wood Trim, 1 Coat Sealer And 1 Coat Varnish Or Polyurethane.....	1.49	
		For Up To 100, Add	0.97	
		For >100 To 250, Add	0.46	
		For >250 To 500, Add	0.20	
		For >4,000, Deduct	-0.07	
09 93 23 53-0005	SF	Finish Wood Trim, 1 Coat Varnish Or Polyurethane	0.98	
		For Up To 100, Add	0.67	
		For >100 To 250, Add	0.32	
		For >250 To 500, Add	0.14	
		For >4,000, Deduct	-0.05	
09 93 23 53-0006		Wood Floor Finishes (09 93 23 53)		
09 93 23 53-0007	SF	Refinish Wood Floor, 2 Coats Polyurethane.....	3.61	
		Note: Includes sanding existing floor.		
		For Up To 100, Add	2.56	
		For >100 To 250, Add	1.20	
		For >250 To 500, Add	0.52	
		For >4,000, Deduct	-0.18	
09 93 23 53-0008	SF	Polyurethane Wood Floor, 1 Coat Polyurethane, With Wool Applicator Or Brush Work.....	0.76	
		Note: Includes screening between coats.		
		For Up To 100, Add	0.49	
		For >100 To 250, Add	0.23	
		For >250 To 500, Add	0.10	
		For >4,000, Deduct	-0.04	
09 93 23 53-0009	SF	Refinish Wood Floor, 1 Coat Sealer And 2 Coats Polyurethane.....	4.12	
		Note: Includes sanding existing floor.		
		For Up To 100, Add	2.89	
		For >100 To 250, Add	1.36	
		For >250 To 500, Add	0.58	
		For >4,000, Deduct	-0.21	
09 93 23 53-0010		Wood Door And Window Finishes (09 93 23 53)		
		See CSI section 08 14 16 00-0627 for factory finish.		
09 93 23 53-0011	EA	Varnish Or Polyurethane Wood Door, 1 Coat Shellac (Per Face)	41.88	
		For Up To 4, Add	30.32	
		For >4 To 10, Add	14.20	
		For >10 To 20, Add	6.10	
		For >160, Deduct	-2.09	
09 93 23 53-0012	EA	Varnish Or Polyurethane Wood Door, 3 Coats Shellac, With Light Sanding Between Coats (Per Face)	127.42	
		For Up To 4, Add	90.55	
		For >4 To 10, Add	42.51	
		For >10 To 20, Add	18.28	
		For >160, Deduct	-6.37	
09 93 23 53-0013		Cabinet Finishes (09 93 23 53)		
09 93 23 53-0014	SF	Finish Cabinet, 1 Coat Shellac, Varnish Or Polyurethane	1.46	
09 93 23 53-0015		Gym, Stage And Dance Floor Finishes (09 93 23 53)		
09 93 23 53-0016	SF	Yearly Maintenance Refinish Of Gym, Stage Or Dance Floor	0.98	
		Note: Includes screening, one coat of finish and buffing. Excludes repainting of game lines.		
09 93 23 53-0017	SF	Finish New Elementary School Wood Gym, Stage Or Dance Floor	4.29	
		Note: Includes sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.		
		For Stage Or Dance Floors, Deduct	-0.09	

09 Finishes**09 90 Painting and Coating****09 93 Staining and Transparent Finishing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 93 23 53-0018	SF	Finish New Middle Or Junior School Wood Gym, Stage Or Dance Floor Note: Includes sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.	4.38
		<i>For Stage Or Dance Floors, Deduct</i>	-0.09
09 93 23 53-0019	SF	Finish New High School Wood Gym, Stage Or Dance Floor Note: Includes sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.	4.47
		<i>For Stage Or Dance Floors, Deduct</i>	-0.09
09 93 23 53-0020	SF	Refinish Existing Elementary School Wood Gym, Stage Or Dance Floor..... Note: Includes removal of existing finish and sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.	4.29
		<i>For Stage Or Dance Floors, Deduct</i>	-0.09
09 93 23 53-0021	SF	Refinish Existing Middle Or Junior School Wood Gym, Stage Or Dance Floor..... Note: Includes removal of existing finish and sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.	4.38
		<i>For Stage Or Dance Floors, Deduct</i>	-0.09
09 93 23 53-0022	SF	Refinish Existing High School Wood Gym, Stage Or Dance Floor Note: Includes removal of existing finish and sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.	4.47
		<i>For Stage Or Dance Floors, Deduct</i>	-0.09
09 93 23 53-0023	LF	Paint Game Lines, 2 Coats Paint, 1 Coat Urethane Finish	0.92
09 93 23 53-0024	SF	Paint Solid Court Area, 2 Coats Paint, 1 Coat Urethane Finish	2.10

09 96 High-Performance Coatings (09 90)**09 96 23 Graffiti-Resistant Coatings** (09 96)**09 96 23 00-0001 Anti-Graffiti Coating** (09 96 23)

09 96 23 00-0002	SF	Sacrificial Anti-Graffiti Coating, Per Coat.....	1.54
		<i>For Up To 100, Add</i>	0.91
		<i>For >100 To 250, Add</i>	0.44
		<i>For >250 To 500, Add</i>	0.19
09 96 23 00-0003	SF	Permanent (Non-Sacrificial) Anti-Graffiti Coating, Per Coat.....	1.65
		<i>For Up To 100, Add</i>	0.93
		<i>For >100 To 250, Add</i>	0.45
		<i>For >250 To 500, Add</i>	0.20

09 96 53 Elastomeric Coatings (09 96)**09 96 53 00-0001 Elastomeric** (09 96 53)

Note: Per coat.

09 96 53 00-0002	SF	1 Coat, 5.3 To 8 Wet Mills, Brush Work, Elastomeric Primer Applied To Walls And Floors.....	0.92
		<i>For Work >15' To 20' Above Floor, Add</i>	0.11
		<i>Note: Applied only to work area above 15' to 20'.</i>	
		<i>For Work >20' To 30' Above Floor, Add</i>	0.18
		<i>Note: Applied only to work area above 20'.</i>	
		<i>For Work >30' To 40' Above Floor, Add</i>	0.29
		<i>Note: Applied only to work area above 30' to 40'.</i>	
		<i>For Work >40' Above Floor, Add</i>	0.40
		<i>Note: Applied only to work area above 40'.</i>	
		<i>For Up To 100, Add</i>	0.58
		<i>For >100 To 250, Add</i>	0.27
		<i>For >250 To 500, Add</i>	0.12
		<i>For >2,500 To 5,000, Deduct</i>	-0.05
		<i>For >5,000 To 10,000, Deduct</i>	-0.09
		<i>For >10,000 To 20,000, Deduct</i>	-0.14
		<i>For >20,000, Deduct</i>	-0.18
09 96 53 00-0003	SF	1 Coat, 5.3 To 8 Wet Mills, Brush/Roller Work, Elastomeric Primer Applied To Walls And Floors	0.79
		<i>For Work >15' To 20' Above Floor, Add</i>	0.09
		<i>Note: Applied only to work area above 15' to 20'.</i>	
		<i>For Work >20' To 30' Above Floor, Add</i>	0.15
		<i>Note: Applied only to work area above 20'.</i>	
		<i>For Work >30' To 40' Above Floor, Add</i>	0.24
		<i>Note: Applied only to work area above 30' to 40'.</i>	
		<i>For Work >40' Above Floor, Add</i>	0.34
		<i>Note: Applied only to work area above 40'.</i>	
		<i>For Up To 100, Add</i>	0.48
		<i>For >100 To 250, Add</i>	0.23
		<i>For >250 To 500, Add</i>	0.10
		<i>For >2,500 To 5,000, Deduct</i>	-0.04
		<i>For >5,000 To 10,000, Deduct</i>	-0.08
		<i>For >10,000 To 20,000, Deduct</i>	-0.12
		<i>For >20,000, Deduct</i>	-0.16

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 96 53 00-0004	SF	1 Coat, 5.3 To 8 Wet Mils, Sprayed, Elastomeric Primer Applied To Walls And Floors.....	0.67		
		For Work >15' To 20' Above Floor, Add	0.06		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.11		
		Note: Applied only to work area above 20'.			
		For Work >30' To 40' Above Floor, Add	0.17		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.24		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.36		
		For >100 To 250, Add	0.17		
		For >250 To 500, Add	0.08		
		For >2,500 To 5,000, Deduct	-0.03		
		For >5,000 To 10,000, Deduct	-0.07		
		For >10,000 To 20,000, Deduct	-0.10		
		For >20,000, Deduct	-0.13		
09 96 53 00-0005	SF	1 Coat, 13 To 16 Wet Mils, Brush Work, Elastomeric Paint Applied To Walls And Floors.....	2.03		
		For Work >15' To 20' Above Floor, Add	0.13		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.21		
		Note: Applied only to work area above 20'.			
		For Work >30' To 40' Above Floor, Add	0.34		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.47		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.81		
		For >100 To 250, Add	0.42		
		For >250 To 500, Add	0.19		
		For >2,500 To 5,000, Deduct	-0.10		
		For >5,000 To 10,000, Deduct	-0.20		
		For >10,000 To 20,000, Deduct	-0.30		
		For >20,000, Deduct	-0.41		
09 96 53 00-0006	SF	1 Coat, 13 To 16 Wet Mils, Brush/Roller Work, Elastomeric Paint Applied To Walls And Floors	1.90		
		For Work >15' To 20' Above Floor, Add	0.11		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.18		
		Note: Applied only to work area above 20'.			
		For Work >30' To 40' Above Floor, Add	0.29		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.40		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.72		
		For >100 To 250, Add	0.37		
		For >250 To 500, Add	0.17		
		For >2,500 To 5,000, Deduct	-0.10		
		For >5,000 To 10,000, Deduct	-0.19		
		For >10,000 To 20,000, Deduct	-0.29		
		For >20,000, Deduct	-0.38		
09 96 53 00-0007	SF	1 Coat, 13 To 16 Wet Mils, Sprayed, Elastomeric Paint Applied To Walls And Floors	2.09		
		For Work >15' To 20' Above Floor, Add	0.08		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.13		
		Note: Applied only to work area above 20'.			
		For Work >30' To 40' Above Floor, Add	0.20		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.28		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.61		
		For >100 To 250, Add	0.33		
		For >250 To 500, Add	0.15		
		For >2,500 To 5,000, Deduct	-0.10		
		For >5,000 To 10,000, Deduct	-0.21		
		For >10,000 To 20,000, Deduct	-0.31		
		For >20,000, Deduct	-0.42		
09 96 53 00-0008	SF	1 Coat, 5.3 To 8 Wet Mils, Brush Work, Elastomeric Primer Applied To Ceilings And Overhead.....	1.04		
		For Work >15' To 20' Above Floor, Add	0.13		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.21		
		Note: Applied only to work area above 20'.			
		For Work >30' To 40' Above Floor, Add	0.34		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.47		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.67		
		For >100 To 250, Add	0.32		
		For >250 To 500, Add	0.14		
		For >2,500 To 5,000, Deduct	-0.05		
		For >5,000 To 10,000, Deduct	-0.10		
		For >10,000 To 20,000, Deduct	-0.16		
		For >20,000, Deduct	-0.21		

09 Finishes**09 90 Painting and Coating****09 96 High-Performance Coatings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 96 53 00-0009	SF	1 Coat, 5.3 To 8 Wet Mils, Brush/Roller Work, Elastomeric Primer Applied To Ceilings And Overhead	0.89	
		For Work >15' To 20' Above Floor, Add	0.11	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.18	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.28	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.39	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.56	
		For >100 To 250, Add	0.27	
		For >250 To 500, Add	0.12	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.09	
		For >10,000 To 20,000, Deduct	-0.13	
		For >20,000, Deduct	-0.18	
09 96 53 00-0010	SF	1 Coat, 5.3 To 8 Wet Mils, Sprayed, Elastomeric Primer Applied To Ceilings And Overhead	0.74	
		For Work >15' To 20' Above Floor, Add	0.08	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.13	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.20	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.28	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.41	
		For >100 To 250, Add	0.20	
		For >250 To 500, Add	0.09	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.07	
		For >10,000 To 20,000, Deduct	-0.11	
		For >20,000, Deduct	-0.15	
09 96 53 00-0011	SF	1 Coat, 13 To 16 Wet Mils, Brush Work, Elastomeric Paint Applied To Ceilings And Overhead	2.17	
		For Work >15' To 20' Above Floor, Add	0.15	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.25	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.40	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.54	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.92	
		For >100 To 250, Add	0.46	
		For >250 To 500, Add	0.21	
		For >2,500 To 5,000, Deduct	-0.11	
		For >5,000 To 10,000, Deduct	-0.22	
		For >10,000 To 20,000, Deduct	-0.33	
		For >20,000, Deduct	-0.43	
09 96 53 00-0012	SF	1 Coat, 13 To 16 Wet Mils, Brush/Roller Work, Elastomeric Paint Applied To Ceilings And Overhead	2.01	
		For Work >15' To 20' Above Floor, Add	0.12	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.21	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.33	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.46	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.80	
		For >100 To 250, Add	0.41	
		For >250 To 500, Add	0.18	
		For >2,500 To 5,000, Deduct	-0.10	
		For >5,000 To 10,000, Deduct	-0.20	
		For >10,000 To 20,000, Deduct	-0.30	
		For >20,000, Deduct	-0.40	
09 96 53 00-0013	SF	1 Coat, 13 To 16 Wet Mils, Sprayed, Elastomeric Paint Applied To Ceilings And Overhead	2.18	
		For Work >15' To 20' Above Floor, Add	0.09	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.15	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.24	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.32	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.68	
		For >100 To 250, Add	0.37	
		For >250 To 500, Add	0.17	
		For >2,500 To 5,000, Deduct	-0.11	
		For >5,000 To 10,000, Deduct	-0.22	
		For >10,000 To 20,000, Deduct	-0.33	
		For >20,000, Deduct	-0.44	

09 96 56 Epoxy Coatings (09 96)**09 96 56 00-0001 High Build Epoxy** (09 96 56)

09 96 56 00-0002 SF 50 Mil, High Build Epoxy3.16

09 96 56 00-0003 Laminated Epoxy With Fiberglass (09 96 56)

09 96 56 00-0004 SF Laminated Epoxy With Fiberglass6.32

		Finishes	09	2
		Painting and Coating	09 90	
		High-Performance Coatings	09 96	
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
		UNIT COST	UNIT COST	

09 96 66 Aggregate Wall Coatings (09 96)

09 96 66 00-0001	Troweled On (09 96 66)		
09 96 66 00-0002	SF Exposed Aggregate - 1/16" To 1/4" - Troweled On.....	4.69	
09 96 66 00-0003	SF Exposed Aggregate - 1/2" To 5/8" Troweled On	8.40	
09 96 66 00-0004	SF Exposed Aggregate - 1" Troweled On	12.59	
09 96 66 00-0005	Sprayed On (09 96 66)		
09 96 66 00-0006	SF Exposed Aggregate - 1/8" - Sprayed On.....	3.84	

09 97 Special Coatings (09 90)

09 97 13 Steel Coatings (09 97)

09 97 13 23 Exterior Steel Coatings (09 97 13)

Note: Steel Structure Painting Council, SSPC; Surface Preparation, SP.

09 97 13 23-0001	Surface Preparation For Structural Steel (09 97 13 23)		
Note: Type 1 structural steel - up to 2 SF per LF, Type 2 structural steel - over 2 SF to 5 SF per LF, Type 3 structural steel - over 5 SF per LF, and piping - under 14" diameter.			
09 97 13 23-0002	SSPC SP2 Hand Tool Cleaning Surface Preparation For Structural Steel (09 97 13 23-0001)		
Note: Hand Tool Cleaning removes all loose mill scale, loose rust and other detrimental foreign matter. It is not intended that adherent mill scale, rust and paint be removed by this process. Mill scale, rust, and paint are considered adherent if they cannot be removed by lifting with a dull putty knife. Before hand tool cleaning, remove visible oil, grease, soluble welding residues and salts by the methods outlined in SSPC-SP1. For complete instructions, refer to Society of Protective Coatings Surface Preparation Specification No. 2 or ISO 8501-1 St 3.			
09 97 13 23-0003	SF Type 1 Structural Steel SP2 Hand Tool Cleaning Surface Preparation	1.58	
	For Up To 100, Add	1.19	
	For >100 To 250, Add	0.55	
	For >250 To 500, Add	0.24	
09 97 13 23-0004	SF Type 2 Structural Steel SP2 Hand Tool Cleaning Surface Preparation	1.51	
	For Up To 100, Add	1.13	
	For >100 To 250, Add	0.53	
	For >250 To 500, Add	0.23	
09 97 13 23-0005	SF Type 3 Structural Steel SP2 Hand Tool Cleaning Surface Preparation	1.51	
	For Up To 100, Add	1.13	
	For >100 To 250, Add	0.53	
	For >250 To 500, Add	0.23	
09 97 13 23-0006	SF Up To 14" Diameter Pipe SP2 Hand Tool Cleaning Surface Preparation	2.05	
	For Up To 100, Add	1.54	
	For >100 To 250, Add	0.72	
	For >250 To 500, Add	0.31	
09 97 13 23-0007	SSPC SP3 Power Tool Cleaning Surface Preparation For Structural Steel (09 97 13 23-0001)		
Note: Power Tool Cleaning removes all loose mill scale, loose rust and other detrimental foreign matter. It is not intended that adherent mill scale, rust and paint be removed by this process. Mill scale, rust and paint are considered adherent if they cannot be removed by lifting with a dull putty knife. Before power tool cleaning, remove visible oil, grease, soluble welding residues and salts by the methods outlined in SSPC-SP1. For complete instructions, refer to Society of Protective Coatings Surface Preparation Specification No. 3 or ISO 8501-1 St 3.			
09 97 13 23-0008	SF Type 1 Structural Steel SP3 Power Tool Cleaning Surface Preparation.....	1.82	
	For Up To 100, Add	1.37	
	For >100 To 250, Add	0.64	
	For >250 To 500, Add	0.27	
09 97 13 23-0009	SF Type 2 Structural Steel SP3 Power Tool Cleaning Surface Preparation.....	1.75	
	For Up To 100, Add	1.31	
	For >100 To 250, Add	0.61	
	For >250 To 500, Add	0.26	
09 97 13 23-0010	SF Type 3 Structural Steel SP3 Power Tool Cleaning Surface Preparation.....	1.75	
	For Up To 100, Add	1.31	
	For >100 To 250, Add	0.61	
	For >250 To 500, Add	0.26	
09 97 13 23-0011	SF Up To 14" Diameter Pipe SP3 Power Tool Cleaning Surface Preparation	2.37	
	For Up To 100, Add	1.78	
	For >100 To 250, Add	0.83	
	For >250 To 500, Add	0.36	
09 97 13 23-0012	SF >14" Diameter Pipe SP3 Power Tool Cleaning Surface Preparation	2.13	
	For Up To 100, Add	1.60	
	For >100 To 250, Add	0.75	
	For >250 To 500, Add	0.32	

09 97 13 23-0013 SSPC SP7 Brush Off Blast Cleaning Surface Preparation For Structural Steel (09 97 13 23-0001)

Note: A Brush-Off Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, loose mill scale, loose rust and loose paint. Tightly adherent mill scale, rust and paint may remain on the surface. Mill scale, rust and coating are considered adherent if they cannot be removed by lifting with a dull putty knife after abrasive blast cleaning has been performed. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP1 or other agreed upon methods. For complete instructions, refer to Joint Surface Preparation Standard SSPC-SP11

09 Finishes**09 90 Painting and Coating****09 97 Special Coatings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 97 13 23-0014	SF	Type 1 Structural Steel SP7 Brush Off Blast Cleaning Surface Preparation.....	1.06
		<i>For Up To 100, Add</i>	0.73
		<i>For >100 To 250, Add</i>	0.34
		<i>For >250 To 500, Add</i>	0.15
09 97 13 23-0015	SF	Type 2 Structural Steel SP7 Brush Off Blast Cleaning Surface Preparation.....	0.95
		<i>For Up To 100, Add</i>	0.65
		<i>For >100 To 250, Add</i>	0.31
		<i>For >250 To 500, Add</i>	0.13
09 97 13 23-0016	SF	Type 3 Structural Steel SP7 Brush Off Blast Cleaning Surface Preparation.....	0.94
		<i>For Up To 100, Add</i>	0.65
		<i>For >100 To 250, Add</i>	0.31
		<i>For >250 To 500, Add</i>	0.13
09 97 13 23-0017	SF	Up To 14" Diameter Pipe SP7 Brush Off Blast Cleaning Surface Preparation.....	1.33
		<i>For Up To 100, Add</i>	0.93
		<i>For >100 To 250, Add</i>	0.44
		<i>For >250 To 500, Add</i>	0.19

09 97 13 23-0018 SSPC SP6 Commercial Blast Cleaning Surface Preparation For Structural Steel

(09 97 13 23-0001)

Note: A Commercial Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxides, corrosion products and other foreign matter, except for staining. Staining shall be limited to no more than 33% of each square inch of surface area and may consist of light shadows, slight streaks or minor discoloration caused by stains of rust, stains of mill scale or stains of previously applied paint. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP1 or other agreed upon methods. For complete instructions, refer to Joint Surface Preparation Standard SSPC-SP6/NACE 3 or ISO 8501-1 Sa 2.

09 97 13 23-0019	SF	Type 1 Structural Steel SP6 Commercial Blast Cleaning Surface Preparation.....	2.74
		<i>For Up To 100, Add</i>	1.94
		<i>For >100 To 250, Add</i>	0.91
		<i>For >250 To 500, Add</i>	0.39
09 97 13 23-0020	SF	Type 2 Structural Steel SP6 Commercial Blast Cleaning Surface Preparation.....	2.38
		<i>For Up To 100, Add</i>	1.67
		<i>For >100 To 250, Add</i>	0.79
		<i>For >250 To 500, Add</i>	0.34
09 97 13 23-0021	SF	Type 3 Structural Steel SP6 Commercial Blast Cleaning Surface Preparation.....	2.21
		<i>For Up To 100, Add</i>	1.54
		<i>For >100 To 250, Add</i>	0.73
		<i>For >250 To 500, Add</i>	0.31
09 97 13 23-0022	SF	Up To 14" Diameter Pipe SP6 Commercial Blast Cleaning Surface Preparation.....	3.42
		<i>For Up To 100, Add</i>	2.45
		<i>For >100 To 250, Add</i>	1.15
		<i>For >250 To 500, Add</i>	0.49

09 97 13 23-0023 SSPC SP5 White Metal Blast Cleaning Surface Preparation For Structural Steel

(09 97 13 23-0001)

Note: A White Metal Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxides, corrosion products and other foreign matter. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP1 or other agreed upon methods. For complete Instructions, refer to Joint Surface Preparation Standard SSPC-SP5/NACE 1 or ISO 8501-1 Sa 3.

09 97 13 23-0024	SF	Type 1 Structural Steel SP5 White Metal Blast Cleaning Surface Preparation.....	5.31
		<i>For Up To 100, Add</i>	3.78
		<i>For >100 To 250, Add</i>	1.77
		<i>For >250 To 500, Add</i>	0.76
09 97 13 23-0025	SF	Type 2 Structural Steel SP5 White Metal Blast Cleaning Surface Preparation.....	4.55
		<i>For Up To 100, Add</i>	3.22
		<i>For >100 To 250, Add</i>	1.51
		<i>For >250 To 500, Add</i>	0.65
09 97 13 23-0026	SF	Type 3 Structural Steel SP5 White Metal Blast Cleaning Surface Preparation.....	4.19
		<i>For Up To 100, Add</i>	2.95
		<i>For >100 To 250, Add</i>	1.39
		<i>For >250 To 500, Add</i>	0.60
09 97 13 23-0027	SF	Up To 14" Diameter Pipe SP5 White Metal Blast Cleaning Surface Preparation.....	6.41
		<i>For Up To 100, Add</i>	4.60
		<i>For >100 To 250, Add</i>	2.16
		<i>For >250 To 500, Add</i>	0.93

09 97 13 23-0028 SSPC SP10 Near White Metal Blast Cleaning Surface Preparation For Structural Steel

(09 97 13 23-0001)

Note: A Near-White Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxides, corrosion products and other foreign matter, except for staining. Staining shall be limited to no more than 5 percent of each square inch of surface area and may consist of light shadows, slight streaks or minor discoloration caused by stains of rust, stains of mill scale or stains of previously applied paint. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP1 or other agreed upon methods. For complete instructions, refer to Joint Surface Preparation Standard SSPC-SP10/NACE 2 or ISO 8501-1 Sa 2.5.

09 97 13 23-0029	SF	Type 1 Structural Steel SP10 Near White Metal Blast Cleaning Surface Preparation	3.96
		<i>For Up To 100, Add</i>	2.80
		<i>For >100 To 250, Add</i>	1.32
		<i>For >250 To 500, Add</i>	0.57
09 97 13 23-0030	SF	Type 2 Structural Steel SP10 Near White Metal Blast Cleaning Surface Preparation	3.37
		<i>For Up To 100, Add</i>	2.38
		<i>For >100 To 250, Add</i>	1.12
		<i>For >250 To 500, Add</i>	0.48

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0031	SF	Type 3 Structural Steel SP10 Near White Metal Blast Cleaning Surface Preparation	3.19	
		For Up To 100, Add	2.25	
		For >100 To 250, Add	1.06	
		For >250 To 500, Add	0.45	
09 97 13 23-0032	SF	Up To 14" Diameter Pipe SP10 Near White Metal Blast Cleaning Surface Preparation	4.66	
		For Up To 100, Add	3.35	
		For >100 To 250, Add	1.57	
		For >250 To 500, Add	0.68	
09 97 13 23-0033		Protective Coatings For Tanks And Structural Steel (09 97 13 23)		
		Note: Type 1 structural steel - up to 2 SF per LF, Type 2 structural steel - over 2 SF to 5 SF per LF, Type 3 structural steel - over 5 SF per LF, and piping - under 14" diameter.		
09 97 13 23-0034		1.5 Mil Prime Coat For Structural Steel (09 97 13 23-0033)		
09 97 13 23-0035	SF	Spray Type 1 Structural Steel 1.5 Mil Prime Coat	1.20	
		For Up To 100, Add	0.78	
		For >100 To 250, Add	0.37	
		For >250 To 500, Add	0.16	
09 97 13 23-0036	SF	Spray Type 2 Structural Steel 1.5 Mil Prime Coat	0.89	
		For Up To 100, Add	0.57	
		For >100 To 250, Add	0.27	
		For >250 To 500, Add	0.12	
09 97 13 23-0037	SF	Spray Type 3 Structural Steel 1.5 Mil Prime Coat	0.81	
		For Up To 100, Add	0.51	
		For >100 To 250, Add	0.24	
		For >250 To 500, Add	0.10	
09 97 13 23-0038	SF	Spray Up To 14" Diameter Pipe 1.5 Mil Prime Coat	1.43	
		For Up To 100, Add	0.96	
		For >100 To 250, Add	0.45	
		For >250 To 500, Add	0.20	
09 97 13 23-0039	SF	Brush Type 1 Structural Steel 1.5 Mil Prime Coat	1.52	
		For Up To 100, Add	1.02	
		For >100 To 250, Add	0.48	
		For >250 To 500, Add	0.21	
09 97 13 23-0040	SF	Brush Type 2 Structural Steel 1.5 Mil Prime Coat	1.13	
		For Up To 100, Add	0.75	
		For >100 To 250, Add	0.35	
		For >250 To 500, Add	0.15	
09 97 13 23-0041	SF	Brush Type 3 Structural Steel 1.5 Mil Prime Coat	1.01	
		For Up To 100, Add	0.66	
		For >100 To 250, Add	0.31	
		For >250 To 500, Add	0.13	
09 97 13 23-0042	SF	Brush Up To 14" Diameter Pipe 1.5 Mil Prime Coat	1.82	
		For Up To 100, Add	1.25	
		For >100 To 250, Add	0.59	
		For >250 To 500, Add	0.25	
09 97 13 23-0043		1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats For Structural Steel (09 97 13 23-0033)		
09 97 13 23-0044	SF	Spray Type 1 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	3.55	
		For Up To 100, Add	2.28	
		For >100 To 250, Add	1.08	
		For >250 To 500, Add	0.47	
09 97 13 23-0045	SF	Spray Type 2 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	2.58	
		For Up To 100, Add	1.59	
		For >100 To 250, Add	0.76	
		For >250 To 500, Add	0.33	
09 97 13 23-0046	SF	Spray Type 3 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	2.40	
		For Up To 100, Add	1.45	
		For >100 To 250, Add	0.70	
		For >250 To 500, Add	0.30	
09 97 13 23-0047	SF	Spray Up To 14" Diameter Pipe 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	4.30	
		For Up To 100, Add	2.83	
		For >100 To 250, Add	1.34	
		For >250 To 500, Add	0.58	
09 97 13 23-0048	SF	Spray Type 1 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	2.66	
		For Up To 100, Add	1.71	
		For >100 To 250, Add	0.81	
		For >250 To 500, Add	0.35	
09 97 13 23-0049	SF	Spray Type 2 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.93	
		For Up To 100, Add	1.19	
		For >100 To 250, Add	0.57	
		For >250 To 500, Add	0.25	
09 97 13 23-0050	SF	Spray Type 3 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.79	
		For Up To 100, Add	1.08	
		For >100 To 250, Add	0.52	
		For >250 To 500, Add	0.23	
09 97 13 23-0051	SF	Spray Up To 14" Diameter Pipe 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	3.22	
		For Up To 100, Add	2.12	
		For >100 To 250, Add	1.00	
		For >250 To 500, Add	0.43	
09 97 13 23-0052	SF	Brush Type 1 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	4.84	
		For Up To 100, Add	3.25	
		For >100 To 250, Add	1.53	
		For >250 To 500, Add	0.66	
09 97 13 23-0053	SF	Brush Type 2 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	3.47	
		For Up To 100, Add	2.25	
		For >100 To 250, Add	1.07	
		For >250 To 500, Add	0.46	

09 Finishes**09 90 Painting and Coating****09 97 Special Coatings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 97 13 23-0054	SF	Brush Type 3 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	3.21	
		For Up To 100, Add	2.06	
		For >100 To 250, Add	0.98	
		For >250 To 500, Add	0.42	
09 97 13 23-0055	SF	Brush Up To 14" Diameter Pipe 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	5.91	
		For Up To 100, Add	4.04	
		For >100 To 250, Add	1.90	
		For >250 To 500, Add	0.82	
09 97 13 23-0056	SF	Brush Type 1 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	3.63	
		For Up To 100, Add	2.43	
		For >100 To 250, Add	1.15	
		For >250 To 500, Add	0.50	
09 97 13 23-0057	SF	Brush Type 2 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	2.59	
		For Up To 100, Add	1.68	
		For >100 To 250, Add	0.80	
		For >250 To 500, Add	0.35	
09 97 13 23-0058	SF	Brush Type 3 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	2.40	
		For Up To 100, Add	1.54	
		For >100 To 250, Add	0.73	
		For >250 To 500, Add	0.32	
09 97 13 23-0059	SF	Brush Up To 14" Diameter Pipe 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	4.42	
		For Up To 100, Add	3.02	
		For >100 To 250, Add	1.42	
		For >250 To 500, Add	0.61	

09 97 13 23-0060 Touch-Up And Two 1.5 Mil Alkyd Finish Coats For Structural Steel
(09 97 13 23-0033)

09 97 13 23-0061	SF	Spray Type 1 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.73	
		For Up To 100, Add	1.77	
		For >100 To 250, Add	0.84	
		For >250 To 500, Add	0.36	
09 97 13 23-0062	SF	Spray Type 2 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.24	
		For Up To 100, Add	1.43	
		For >100 To 250, Add	0.68	
		For >250 To 500, Add	0.29	
09 97 13 23-0063	SF	Spray Type 3 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.05	
		For Up To 100, Add	1.29	
		For >100 To 250, Add	0.61	
		For >250 To 500, Add	0.27	
09 97 13 23-0064	SF	Spray Up To 14" Diameter Pipe Touch-Up And Two 1.5 Mil Alkyd Finish Coats	3.39	
		For Up To 100, Add	2.25	
		For >100 To 250, Add	1.07	
		For >250 To 500, Add	0.46	
09 97 13 23-0065	SF	Spray Type 1 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.76	
		For Up To 100, Add	1.14	
		For >100 To 250, Add	0.54	
		For >250 To 500, Add	0.23	
09 97 13 23-0066	SF	Spray Type 2 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.44	
		For Up To 100, Add	0.92	
		For >100 To 250, Add	0.44	
		For >250 To 500, Add	0.19	
09 97 13 23-0067	SF	Spray Type 3 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.31	
		For Up To 100, Add	0.82	
		For >100 To 250, Add	0.39	
		For >250 To 500, Add	0.17	
09 97 13 23-0068	SF	Spray Up To 14" Diameter Pipe Touch-Up And One 1.5 Mil Alkyd Finish Coat	2.17	
		For Up To 100, Add	1.44	
		For >100 To 250, Add	0.68	
		For >250 To 500, Add	0.29	
09 97 13 23-0069	SF	Brush Type 1 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	3.46	
		For Up To 100, Add	2.32	
		For >100 To 250, Add	1.10	
		For >250 To 500, Add	0.47	
09 97 13 23-0070	SF	Brush Type 2 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.81	
		For Up To 100, Add	1.86	
		For >100 To 250, Add	0.88	
		For >250 To 500, Add	0.38	
09 97 13 23-0071	SF	Brush Type 3 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.57	
		For Up To 100, Add	1.68	
		For >100 To 250, Add	0.79	
		For >250 To 500, Add	0.34	
09 97 13 23-0072	SF	Brush Up To 14" Diameter Pipe Touch-Up And Two 1.5 Mil Alkyd Finish Coats	4.31	
		For Up To 100, Add	2.94	
		For >100 To 250, Add	1.39	
		For >250 To 500, Add	0.60	
09 97 13 23-0073	SF	Brush Type 1 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	2.21	
		For Up To 100, Add	1.48	
		For >100 To 250, Add	0.70	
		For >250 To 500, Add	0.30	
09 97 13 23-0074	SF	Brush Type 2 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.80	
		For Up To 100, Add	1.19	
		For >100 To 250, Add	0.56	
		For >250 To 500, Add	0.24	
09 97 13 23-0075	SF	Brush Type 3 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.65	
		For Up To 100, Add	1.08	
		For >100 To 250, Add	0.51	
		For >250 To 500, Add	0.22	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST

09 97 13 23-0076	SF		Brush Up To 14" Diameter Pipe Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	2.77	
			For Up To 100, Add	1.89	
			For >100 To 250, Add	0.89	
			For >250 To 500, Add	0.38	
09 97 13 23-0077 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats For Structural Steel (09 97 13 23-0033)					
09 97 13 23-0078	SF		Spray Type 1 Structural Steel 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	4.57	
			For Up To 100, Add	2.65	
			For >100 To 250, Add	1.28	
			For >250 To 500, Add	0.56	
09 97 13 23-0079	SF		Spray Type 2 Structural Steel 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	3.35	
			For Up To 100, Add	1.81	
			For >100 To 250, Add	0.88	
			For >250 To 500, Add	0.39	
09 97 13 23-0080	SF		Spray Type 3 Structural Steel 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	2.99	
			For Up To 100, Add	1.54	
			For >100 To 250, Add	0.75	
			For >250 To 500, Add	0.33	
09 97 13 23-0081	SF		Spray Up To 14" Diameter Pipe 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	5.15	
			For Up To 100, Add	3.06	
			For >100 To 250, Add	1.47	
			For >250 To 500, Add	0.64	
09 97 13 23-0082	SF		Spray Type 1 Structural Steel Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	3.20	
			For Up To 100, Add	1.86	
			For >100 To 250, Add	0.90	
			For >250 To 500, Add	0.39	
09 97 13 23-0083	SF		Spray Type 2 Structural Steel Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	2.35	
			For Up To 100, Add	1.27	
			For >100 To 250, Add	0.62	
			For >250 To 500, Add	0.27	
09 97 13 23-0084	SF		Spray Type 3 Structural Steel Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	2.09	
			For Up To 100, Add	1.08	
			For >100 To 250, Add	0.53	
			For >250 To 500, Add	0.23	
09 97 13 23-0085	SF		Spray Up To 14" Diameter Pipe Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	3.60	
			For Up To 100, Add	2.14	
			For >100 To 250, Add	1.03	
			For >250 To 500, Add	0.45	
09 97 13 23-0086 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats For Structural Steel (09 97 13 23-0033)					
09 97 13 23-0087	SF		Spray Type 1 Structural Steel 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	4.93	
			For Up To 100, Add	2.71	
			For >100 To 250, Add	1.31	
			For >250 To 500, Add	0.57	
09 97 13 23-0088	SF		Spray Type 2 Structural Steel 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	3.68	
			For Up To 100, Add	1.86	
			For >100 To 250, Add	0.91	
			For >250 To 500, Add	0.40	
09 97 13 23-0089	SF		Spray Type 3 Structural Steel 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	3.32	
			For Up To 100, Add	1.59	
			For >100 To 250, Add	0.79	
			For >250 To 500, Add	0.35	
09 97 13 23-0090	SF		Spray Up To 14" Diameter Pipe 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	5.52	
			For Up To 100, Add	3.12	
			For >100 To 250, Add	1.51	
			For >250 To 500, Add	0.66	
09 97 13 23-0091	SF		Spray Type 1 Structural Steel Two 6 Mil High Build Epoxy Finish Coats.....	4.04	
			For Up To 100, Add	2.22	
			For >100 To 250, Add	1.08	
			For >250 To 500, Add	0.47	
09 97 13 23-0092	SF		Spray Type 2 Structural Steel Two 6 Mil High Build Epoxy Finish Coats.....	3.02	
			For Up To 100, Add	1.53	
			For >100 To 250, Add	0.75	
			For >250 To 500, Add	0.33	
09 97 13 23-0093	SF		Spray Type 3 Structural Steel Two 6 Mil High Build Epoxy Finish Coats.....	2.72	
			For Up To 100, Add	1.30	
			For >100 To 250, Add	0.64	
			For >250 To 500, Add	0.29	
09 97 13 23-0094	SF		Spray Up To 14" Diameter Pipe Two 6 Mil High Build Epoxy Finish Coats	4.53	
			For Up To 100, Add	2.56	
			For >100 To 250, Add	1.24	
			For >250 To 500, Add	0.54	
09 97 13 23-0095 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats For Structural Steel (09 97 13 23-0033)					
09 97 13 23-0096	SF		Spray Type 1 Structural Steel 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats.....	10.26	
			For Up To 100, Add	5.79	
			For >100 To 250, Add	2.80	
			For >250 To 500, Add	1.22	
09 97 13 23-0097	SF		Spray Type 2 Structural Steel 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats.....	7.84	
			For Up To 100, Add	4.18	
			For >100 To 250, Add	2.03	
			For >250 To 500, Add	0.89	

09	Finishes	
	09 90	Painting and Coating
	09 97	Special Coatings



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
09 97 13 23-0098	SF	Spray Type 3 Structural Steel 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats.....	7.57	
		For Up To 100, Add	3.97	
		For >100 To 250, Add	1.94	
		For >250 To 500, Add	0.85	
09 97 13 23-0099	SF	Spray Up To 14" Diameter Pipe 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	11.86	
		For Up To 100, Add	6.96	
		For >100 To 250, Add	3.34	
		For >250 To 500, Add	1.46	
09 97 13 23-0100 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats For Structural Steel (09 97 13 23-0033)				
09 97 13 23-0101	SF	Spray Type 1 Structural Steel 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats.....	5.45	
		For Up To 100, Add	2.83	
		For >100 To 250, Add	1.39	
		For >250 To 500, Add	0.61	
09 97 13 23-0102	SF	Spray Type 2 Structural Steel 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats.....	4.35	
		For Up To 100, Add	2.01	
		For >100 To 250, Add	1.00	
		For >250 To 500, Add	0.44	
09 97 13 23-0103	SF	Spray Type 3 Structural Steel 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats.....	4.17	
		For Up To 100, Add	1.88	
		For >100 To 250, Add	0.94	
		For >250 To 500, Add	0.42	
09 97 13 23-0104	SF	Spray Up To 14" Diameter Pipe 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	6.16	
		For Up To 100, Add	3.32	
		For >100 To 250, Add	1.62	
		For >250 To 500, Add	0.71	
09 97 13 23-0105	SF	Spray Type 1 Structural Steel Two 4 Mil High Build Vinyl Finish Coats.....	4.31	
		For Up To 100, Add	2.24	
		For >100 To 250, Add	1.10	
		For >250 To 500, Add	0.48	
09 97 13 23-0106	SF	Spray Type 2 Structural Steel Two 4 Mil High Build Vinyl Finish Coats.....	3.44	
		For Up To 100, Add	1.60	
		For >100 To 250, Add	0.79	
		For >250 To 500, Add	0.35	
09 97 13 23-0107	SF	Spray Type 3 Structural Steel Two 4 Mil High Build Vinyl Finish Coats.....	3.29	
		For Up To 100, Add	1.48	
		For >100 To 250, Add	0.74	
		For >250 To 500, Add	0.33	
09 97 13 23-0108	SF	Spray Up To 14" Diameter Pipe Two 4 Mil High Build Vinyl Finish Coats.....	4.87	
		For Up To 100, Add	2.63	
		For >100 To 250, Add	1.28	
		For >250 To 500, Add	0.56	
09 97 13 23-0109 Two 8 Mil Coal Tar Epoxy Coats For Structural Steel (09 97 13 23-0033)				
09 97 13 23-0110	SF	Spray Type 1 Structural Steel Two 8 Mil Coal Tar Epoxy Coats.....	4.55	
		For Up To 100, Add	2.70	
		For >100 To 250, Add	1.30	
		For >250 To 500, Add	0.56	
09 97 13 23-0111	SF	Spray Type 2 Structural Steel Two 8 Mil Coal Tar Epoxy Coats.....	3.72	
		For Up To 100, Add	2.14	
		For >100 To 250, Add	1.03	
		For >250 To 500, Add	0.45	
09 97 13 23-0112	SF	Spray Type 3 Structural Steel Two 8 Mil Coal Tar Epoxy Coats.....	3.45	
		For Up To 100, Add	1.94	
		For >100 To 250, Add	0.94	
		For >250 To 500, Add	0.41	
09 97 13 23-0113	SF	Spray Up To 14" Diameter Pipe Two 8 Mil Coal Tar Epoxy Coats.....	5.59	
		For Up To 100, Add	3.45	
		For >100 To 250, Add	1.65	
		For >250 To 500, Add	0.72	
09 97 13 23-0114 One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat For Structural Steel (09 97 13 23-0033)				
09 97 13 23-0115	SF	Spray Type 1 Structural Steel One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	4.35	
		For Up To 100, Add	2.72	
		For >100 To 250, Add	1.30	
		For >250 To 500, Add	0.56	
09 97 13 23-0116	SF	Spray Type 2 Structural Steel One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	3.12	
		For Up To 100, Add	1.83	
		For >100 To 250, Add	0.88	
		For >250 To 500, Add	0.38	
09 97 13 23-0117	SF	Spray Type 3 Structural Steel One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	2.67	
		For Up To 100, Add	1.49	
		For >100 To 250, Add	0.72	
		For >250 To 500, Add	0.32	
09 97 13 23-0118	SF	Spray Up To 14" Diameter Pipe One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	4.96	
		For Up To 100, Add	3.14	
		For >100 To 250, Add	1.50	
		For >250 To 500, Add	0.65	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST

09 97 13 23-0119	One 3 Mil High Zinc Silicate Coat For Structural Steel (09 97 13 23-0033)				
09 97 13 23-0120	SF		Spray Type 1 Structural Steel One 3 Mil High Zinc Silicate Coat	2.40	
			For Up To 100, Add	1.24	
			For >100 To 250, Add	0.61	
			For >250 To 500, Add	0.27	
09 97 13 23-0121	SF		Spray Type 2 Structural Steel One 3 Mil High Zinc Silicate Coat	1.76	
			For Up To 100, Add	0.81	
			For >100 To 250, Add	0.40	
			For >250 To 500, Add	0.18	
09 97 13 23-0122	SF		Spray Type 3 Structural Steel One 3 Mil High Zinc Silicate Coat	1.67	
			For Up To 100, Add	0.74	
			For >100 To 250, Add	0.37	
			For >250 To 500, Add	0.17	
09 97 13 23-0123	SF		Spray Up To 14" Diameter Pipe One 3 Mil High Zinc Silicate Coat	2.51	
			For Up To 100, Add	1.30	
			For >100 To 250, Add	0.64	
			For >250 To 500, Add	0.28	

09 97 13 23-0124	Two 1.5 Mil Vinyl Enamel Finish Coats For Structural Steel (09 97 13 23-0033)				
	Note: Installed over existing primer.				
09 97 13 23-0125	SF		Spray Type 1 Structural Steel Two 1.5 Mil Vinyl Enamel Finish Coats	3.63	
			For Up To 100, Add	2.07	
			For >100 To 250, Add	1.00	
			For >250 To 500, Add	0.44	
09 97 13 23-0126	SF		Spray Type 2 Structural Steel Two 1.5 Mil Vinyl Enamel Finish Coats	2.99	
			For Up To 100, Add	1.65	
			For >100 To 250, Add	0.80	
			For >250 To 500, Add	0.35	
09 97 13 23-0127	SF		Spray Type 3 Structural Steel Two 1.5 Mil Vinyl Enamel Finish Coats	2.62	
			For Up To 100, Add	1.37	
			For >100 To 250, Add	0.67	
			For >250 To 500, Add	0.29	
09 97 13 23-0128	SF		Spray Up To 14" Diameter Pipe Two 1.5 Mil Vinyl Enamel Finish Coats	4.22	
			For Up To 100, Add	2.49	
			For >100 To 250, Add	1.19	
			For >250 To 500, Add	0.52	

09 97 13 24 Steel Water Storage Tank Painting (09 97 13)

09 97 13 24-0001	Surface Preparation For Tanks (09 97 13 24)				
	Note: Small pressure vessels and tanks - up to 12' diameter, large pressure vessels and tanks - over 12' diameter, tank interiors - over 6" diameter.				
09 97 13 24-0002	SSPC SP2 Or 3 Hand Or Power Tool Cleaning Surface Preparation For Tanks (09 97 13 24-0001)				
09 97 13 24-0003	SF		Small Vessel/Tank SP2/3 Hand Or Power Tool Cleaning Surface Preparation	1.51	
			For Up To 100, Add	1.13	
			For >100 To 250, Add	0.53	
			For >250 To 500, Add	0.23	
09 97 13 24-0004	SF		Large Vessel/Tank SP2/3 Hand Or Power Tool Cleaning Surface Preparation	1.34	
			For Up To 100, Add	1.01	
			For >100 To 250, Add	0.47	
			For >250 To 500, Add	0.20	
09 97 13 24-0005	SF		Vessel/Tank Interior SP2/3 Hand Or Power Tool Cleaning Surface Preparation	1.90	
			For Up To 100, Add	1.43	
			For >100 To 250, Add	0.67	
			For >250 To 500, Add	0.29	

09 97 13 24-0006	SSPC SP7 Brush Off Blast Cleaning Surface Preparation For Tanks (09 97 13 24-0001)				
09 97 13 24-0007	SF		Small Vessel/Tank SP7 Brush Off Blast Cleaning Surface Preparation	0.90	
			For Up To 100, Add	0.62	
			For >100 To 250, Add	0.29	
			For >250 To 500, Add	0.13	
09 97 13 24-0008	SF		Large Vessel/Tank SP7 Brush Off Blast Cleaning Surface Preparation	0.72	
			For Up To 100, Add	0.50	
			For >100 To 250, Add	0.24	
			For >250 To 500, Add	0.10	
09 97 13 24-0009	SF		Vessel/Tank Interior SP7 Brush Off Blast Cleaning Surface Preparation	1.25	
			For Up To 100, Add	0.90	
			For >100 To 250, Add	0.42	
			For >250 To 500, Add	0.18	

09 97 13 24-0010	SSPC SP6 Commercial Blast Cleaning Surface Preparation For Tanks (09 97 13 24-0001)				
09 97 13 24-0011	SF		Small Vessel/Tank SP6 Commercial Blast Cleaning Surface Preparation	2.20	
			For Up To 100, Add	1.54	
			For >100 To 250, Add	0.73	
			For >250 To 500, Add	0.31	
09 97 13 24-0012	SF		Large Vessel/Tank SP6 Commercial Blast Cleaning Surface Preparation	2.02	
			For Up To 100, Add	1.41	
			For >100 To 250, Add	0.66	
			For >250 To 500, Add	0.29	

09 Finishes**09 90 Painting and Coating****09 97 Special Coatings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

09 97 13 24-0013	SF	Vessel/Tank Interior SP6 Commercial Blast Cleaning Surface Preparation	2.94	
		<i>For Up To 100, Add</i>	2.10	
		<i>For >100 To 250, Add</i>	0.98	
		<i>For >250 To 500, Add</i>	0.42	

09 97 13 24-0014 SSPC SP5 White Metal Blast Cleaning Surface Preparation For Tanks (09 97 13 24-0001)

09 97 13 24-0015	SF	Small Vessel/Tank SP5 White Metal Blast Cleaning Surface Preparation.....	3.98	
		<i>For Up To 100, Add</i>	2.81	
		<i>For >100 To 250, Add</i>	1.32	
		<i>For >250 To 500, Add</i>	0.57	
09 97 13 24-0016	SF	Large Vessel/Tank SP5 White Metal Blast Cleaning Surface Preparation	3.80	
		<i>For Up To 100, Add</i>	2.67	
		<i>For >100 To 250, Add</i>	1.26	
		<i>For >250 To 500, Add</i>	0.54	
09 97 13 24-0017	SF	Vessel/Tank Interior SP5 White Metal Blast Cleaning Surface Preparation.....	5.54	
		<i>For Up To 100, Add</i>	3.98	
		<i>For >100 To 250, Add</i>	1.86	
		<i>For >250 To 500, Add</i>	0.80	

09 97 13 24-0018 SSPC SP10 Near White Metal Blast Cleaning Surface Preparation For Tanks (09 97 13 24-0001)

09 97 13 24-0019	SF	Small Vessel/Tank SP10 Near White Metal Blast Cleaning Surface Preparation	3.18	
		<i>For Up To 100, Add</i>	2.25	
		<i>For >100 To 250, Add</i>	1.06	
		<i>For >250 To 500, Add</i>	0.45	
09 97 13 24-0020	SF	Large Vessel/Tank SP10 Near White Metal Blast Cleaning Surface Preparation	3.18	
		<i>For Up To 100, Add</i>	2.25	
		<i>For >100 To 250, Add</i>	1.06	
		<i>For >250 To 500, Add</i>	0.45	
09 97 13 24-0021	SF	Vessel/Tank Interior SP10 Near White Metal Blast Cleaning Surface Preparation.....	4.65	
		<i>For Up To 100, Add</i>	3.35	
		<i>For >100 To 250, Add</i>	1.57	
		<i>For >250 To 500, Add</i>	0.67	

09 97 13 24-0022 Protective Coatings For Tanks (09 97 13 24)

Note: Small pressure vessels and tanks - up to 12' diameter, large pressure vessels and tanks - over 12' diameter, tank interiors - over 6" diameter.

09 97 13 24-0023 1.5 Mil Prime Coat For Tanks (09 97 13 24-0022)

09 97 13 24-0024	SF	Spray Small Vessel/Tank 1.5 Mil Prime Coat	0.71	
		<i>For Up To 100, Add</i>	0.44	
		<i>For >100 To 250, Add</i>	0.21	
		<i>For >250 To 500, Add</i>	0.09	
09 97 13 24-0025	SF	Spray Large Vessel/Tank 1.5 Mil Prime Coat	0.57	
		<i>For Up To 100, Add</i>	0.33	
		<i>For >100 To 250, Add</i>	0.16	
		<i>For >250 To 500, Add</i>	0.07	
09 97 13 24-0026	SF	Spray Tank Interior 1.5 Mil Prime Coat	1.34	
		<i>For Up To 100, Add</i>	0.91	
		<i>For >100 To 250, Add</i>	0.43	
		<i>For >250 To 500, Add</i>	0.19	
09 97 13 24-0027	SF	Brush Small Vessel/Tank 1.5 Mil Prime Coat	0.87	
		<i>For Up To 100, Add</i>	0.56	
		<i>For >100 To 250, Add</i>	0.26	
		<i>For >250 To 500, Add</i>	0.11	
09 97 13 24-0028	SF	Brush Large Vessel/Tank 1.5 Mil Prime Coat	0.71	
		<i>For Up To 100, Add</i>	0.44	
		<i>For >100 To 250, Add</i>	0.21	
		<i>For >250 To 500, Add</i>	0.09	
09 97 13 24-0029	SF	Brush Tank Interior 1.5 Mil Prime Coat	1.72	
		<i>For Up To 100, Add</i>	1.19	
		<i>For >100 To 250, Add</i>	0.56	
		<i>For >250 To 500, Add</i>	0.24	

09 97 13 24-0030 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats For Tanks (09 97 13 24-0022)

09 97 13 24-0031	SF	Spray Small Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	2.10	
		<i>For Up To 100, Add</i>	1.24	
		<i>For >100 To 250, Add</i>	0.60	
		<i>For >250 To 500, Add</i>	0.26	
09 97 13 24-0032	SF	Spray Large Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	1.66	
		<i>For Up To 100, Add</i>	0.91	
		<i>For >100 To 250, Add</i>	0.44	
		<i>For >250 To 500, Add</i>	0.19	
09 97 13 24-0033	SF	Spray Tank Interior 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	3.84	
		<i>For Up To 100, Add</i>	2.54	
		<i>For >100 To 250, Add</i>	1.20	
		<i>For >250 To 500, Add</i>	0.52	
09 97 13 24-0034	SF	Spray Small Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	1.58	
		<i>For Up To 100, Add</i>	0.93	
		<i>For >100 To 250, Add</i>	0.45	
		<i>For >250 To 500, Add</i>	0.20	
09 97 13 24-0035	SF	Spray Large Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	1.24	
		<i>For Up To 100, Add</i>	0.68	
		<i>For >100 To 250, Add</i>	0.33	
		<i>For >250 To 500, Add</i>	0.14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 97 13 24-0036	SF		Spray Tank Interior 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	2.87	
			For Up To 100, Add	1.90	
			For >100 To 250, Add	0.90	
			For >250 To 500, Add	0.39	
09 97 13 24-0037	SF		Brush Small Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	2.79	
			For Up To 100, Add	1.76	
			For >100 To 250, Add	0.84	
			For >250 To 500, Add	0.36	
09 97 13 24-0038	SF		Brush Large Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	2.14	
			For Up To 100, Add	1.27	
			For >100 To 250, Add	0.61	
			For >250 To 500, Add	0.27	
09 97 13 24-0039	SF		Brush Tank Interior 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	5.29	
			For Up To 100, Add	3.63	
			For >100 To 250, Add	1.71	
			For >250 To 500, Add	0.74	
09 97 13 24-0040	SF		Brush Small Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	2.09	
			For Up To 100, Add	1.32	
			For >100 To 250, Add	0.63	
			For >250 To 500, Add	0.27	
09 97 13 24-0041	SF		Brush Large Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.60	
			For Up To 100, Add	0.95	
			For >100 To 250, Add	0.46	
			For >250 To 500, Add	0.20	
09 97 13 24-0042	SF		Brush Tank Interior 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	3.96	
			For Up To 100, Add	2.72	
			For >100 To 250, Add	1.28	
			For >250 To 500, Add	0.55	

09 97 13 24-0043 Touch-Up And Two 1.5 Mil Alkyd Finish Coats For Tanks (09 97 13 24-0022)

09 97 13 24-0044	SF		Spray Small Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats	1.87	
			For Up To 100, Add	1.16	
			For >100 To 250, Add	0.55	
			For >250 To 500, Add	0.24	
09 97 13 24-0045	SF		Spray Large Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats	1.59	
			For Up To 100, Add	0.95	
			For >100 To 250, Add	0.45	
			For >250 To 500, Add	0.20	
09 97 13 24-0046	SF		Spray Tank Interior Touch-Up And Two 1.5 Mil Alkyd Finish Coats	3.96	
			For Up To 100, Add	2.72	
			For >100 To 250, Add	1.28	
			For >250 To 500, Add	0.55	
09 97 13 24-0047	SF		Spray Small Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.19	
			For Up To 100, Add	0.74	
			For >100 To 250, Add	0.35	
			For >250 To 500, Add	0.15	
09 97 13 24-0048	SF		Spray Large Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.01	
			For Up To 100, Add	0.60	
			For >100 To 250, Add	0.29	
			For >250 To 500, Add	0.13	
09 97 13 24-0049	SF		Spray Tank Interior Touch-Up And One 1.5 Mil Alkyd Finish Coats	2.52	
			For Up To 100, Add	1.73	
			For >100 To 250, Add	0.82	
			For >250 To 500, Add	0.35	
09 97 13 24-0050	SF		Brush Small Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.32	
			For Up To 100, Add	1.49	
			For >100 To 250, Add	0.71	
			For >250 To 500, Add	0.31	
09 97 13 24-0051	SF		Brush Large Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats	1.97	
			For Up To 100, Add	1.23	
			For >100 To 250, Add	0.59	
			For >250 To 500, Add	0.25	
09 97 13 24-0052	SF		Brush Tank Interior Touch-Up And Two 1.5 Mil Alkyd Finish Coats	5.38	
			For Up To 100, Add	3.88	
			For >100 To 250, Add	1.82	
			For >250 To 500, Add	0.78	
09 97 13 24-0053	SF		Brush Small Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.49	
			For Up To 100, Add	0.96	
			For >100 To 250, Add	0.46	
			For >250 To 500, Add	0.20	
09 97 13 24-0054	SF		Brush Large Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.26	
			For Up To 100, Add	0.79	
			For >100 To 250, Add	0.38	
			For >250 To 500, Add	0.16	
09 97 13 24-0055	SF		Brush Tank Interior Touch-Up And One 1.5 Mil Alkyd Finish Coats	3.54	
			For Up To 100, Add	2.50	
			For >100 To 250, Add	1.17	
			For >250 To 500, Add	0.51	

09 97 13 24-0056 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats For Tanks (09 97 13 24-0022)

09 97 13 24-0057	SF		Spray Small Vessel/Tank 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	2.76	
			For Up To 100, Add	1.39	
			For >100 To 250, Add	0.68	
			For >250 To 500, Add	0.30	

09	09 Finishes
	09 90 Painting and Coating
	09 97 Special Coatings



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
09 97 13 24-0058	SF	Spray Large Vessel/Tank 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats.....	2.40	
		For Up To 100, Add	1.12	
		For >100 To 250, Add	0.56	
		For >250 To 500, Add	0.25	
09 97 13 24-0059	SF	Spray Small Vessel/Tank Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	1.94	
		For Up To 100, Add	0.98	
		For >100 To 250, Add	0.48	
		For >250 To 500, Add	0.21	
09 97 13 24-0060	SF	Spray Large Vessel/Tank Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	1.68	
		For Up To 100, Add	0.79	
		For >100 To 250, Add	0.39	
		For >250 To 500, Add	0.17	
09 97 13 24-0061 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats For Tanks (09 97 13 24-0022)				
09 97 13 24-0062	SF	Spray Small Vessel/Tank 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	3.08	
		For Up To 100, Add	1.44	
		For >100 To 250, Add	0.72	
		For >250 To 500, Add	0.32	
09 97 13 24-0063	SF	Spray Large Vessel/Tank 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	2.72	
		For Up To 100, Add	1.17	
		For >100 To 250, Add	0.59	
		For >250 To 500, Add	0.26	
09 97 13 24-0064	SF	Spray Small Vessel/Tank Two 6 Mil High Build Epoxy Finish Coats	2.53	
		For Up To 100, Add	1.18	
		For >100 To 250, Add	0.59	
		For >250 To 500, Add	0.26	
09 97 13 24-0065	SF	Spray Large Vessel/Tank Two 6 Mil High Build Epoxy Finish Coats	2.23	
		For Up To 100, Add	0.96	
		For >100 To 250, Add	0.48	
		For >250 To 500, Add	0.22	
09 97 13 24-0066 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats For Tanks (09 97 13 24-0022)				
09 97 13 24-0067	SF	Spray Small Vessel/Tank 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	7.31	
		For Up To 100, Add	3.83	
		For >100 To 250, Add	1.87	
		For >250 To 500, Add	0.82	
09 97 13 24-0068	SF	Spray Large Vessel/Tank 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	6.76	
		For Up To 100, Add	3.41	
		For >100 To 250, Add	1.68	
		For >250 To 500, Add	0.74	
09 97 13 24-0069	SF	Spray Tank Interior 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	10.94	
		For Up To 100, Add	6.55	
		For >100 To 250, Add	3.14	
		For >250 To 500, Add	1.37	
09 97 13 24-0070 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats For Tanks (09 97 13 24-0022)				
09 97 13 24-0071	SF	Spray Small Vessel/Tank 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	3.88	
		For Up To 100, Add	1.81	
		For >100 To 250, Add	0.90	
		For >250 To 500, Add	0.40	
09 97 13 24-0072	SF	Spray Large Vessel/Tank 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	3.47	
		For Up To 100, Add	1.50	
		For >100 To 250, Add	0.75	
		For >250 To 500, Add	0.34	
09 97 13 24-0073	SF	Spray Tank Interior 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	5.66	
		For Up To 100, Add	3.14	
		For >100 To 250, Add	1.52	
		For >250 To 500, Add	0.67	
09 97 13 24-0074	SF	Spray Small Vessel/Tank Two 4 Mil High Build Vinyl Finish Coats.....	3.07	
		For Up To 100, Add	1.43	
		For >100 To 250, Add	0.71	
		For >250 To 500, Add	0.31	
09 97 13 24-0075	SF	Spray Large Vessel/Tank Two 4 Mil High Build Vinyl Finish Coats	2.75	
		For Up To 100, Add	1.19	
		For >100 To 250, Add	0.60	
		For >250 To 500, Add	0.27	
09 97 13 24-0076	SF	Spray Tank Interior Two 4 Mil High Build Vinyl Finish Coats	4.48	
		For Up To 100, Add	2.48	
		For >100 To 250, Add	1.20	
		For >250 To 500, Add	0.53	
09 97 13 24-0077 Two 8 Mil Coal Tar Epoxy Coats For Tanks (09 97 13 24-0022)				
09 97 13 24-0078	SF	Spray Small Vessel/Tank Two 8 Mil Coal Tar Epoxy Coats.....	3.42	
		For Up To 100, Add	1.94	
		For >100 To 250, Add	0.93	
		For >250 To 500, Add	0.41	
09 97 13 24-0079	SF	Spray Large Vessel/Tank Two 8 Mil Coal Tar Epoxy Coats	2.87	
		For Up To 100, Add	1.52	
		For >100 To 250, Add	0.74	
		For >250 To 500, Add	0.33	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0080	SF		Spray Tank Interior Two 8 Mil Coal Tar Epoxy Coats	4.33	
			For Up To 100, Add	2.62	
			For >100 To 250, Add	1.25	
			For >250 To 500, Add	0.54	
09 97 13 24-0081 One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat For Tanks (09 97 13 24-0022)					
09 97 13 24-0082	SF		Spray Small Vessel/Tank One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	2.36	
			For Up To 100, Add	1.28	
			For >100 To 250, Add	0.62	
			For >250 To 500, Add	0.27	
09 97 13 24-0083	SF		Spray Large Vessel/Tank One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	2.18	
			For Up To 100, Add	1.14	
			For >100 To 250, Add	0.56	
			For >250 To 500, Add	0.25	
09 97 13 24-0084	SF		Spray Tank Interior One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	3.55	
			For Up To 100, Add	2.17	
			For >100 To 250, Add	1.04	
			For >250 To 500, Add	0.45	
09 97 13 24-0085 Two 6 Mil High Build Epoxy Finish Coats For Tanks Interior (09 97 13 24-0022)					
09 97 13 24-0086	SF		Spray Small Tank Interior Two 6 Mil High Build Epoxy Finish Coats	5.18	
			For Up To 100, Add	2.96	
			For >100 To 250, Add	1.43	
			For >250 To 500, Add	0.62	
09 97 13 24-0087	SF		Spray Large Tank Interior Two 6 Mil High Build Epoxy Finish Coats	3.22	
			For Up To 100, Add	1.58	
			For >100 To 250, Add	0.78	
			For >250 To 500, Add	0.34	
09 97 13 24-0088 One 3 Mil High Zinc Silicate Coat For Tanks (09 97 13 24-0022)					
09 97 13 24-0089	SF		Spray Small Vessel/Tank One 3 Mil High Zinc Silicate Coat	1.55	
			For Up To 100, Add	0.66	
			For >100 To 250, Add	0.34	
			For >250 To 500, Add	0.15	
09 97 13 24-0090	SF		Spray Large Vessel/Tank One 3 Mil High Zinc Silicate Coat	1.52	
			For Up To 100, Add	0.64	
			For >100 To 250, Add	0.32	
			For >250 To 500, Add	0.15	
09 97 13 24-0091	SF		Spray Tank Interior One 3 Mil High Zinc Silicate Coat	2.37	
			For Up To 100, Add	1.28	
			For >100 To 250, Add	0.62	
			For >250 To 500, Add	0.27	
09 97 13 24-0092 Two 1.5 Mil Vinyl Enamel Finish Coats For Tanks (09 97 13 24-0022)					
			Note: Installed over existing primer.		
09 97 13 24-0093	SF		Spray Small Vessel/Tank Two 1.5 Mil Vinyl Enamel Finish Coats	2.50	
			For Up To 100, Add	1.30	
			For >100 To 250, Add	0.64	
			For >250 To 500, Add	0.28	
09 97 13 24-0094	SF		Spray Large Vessel/Tank Two 1.5 Mil Vinyl Enamel Finish Coats	2.23	
			For Up To 100, Add	1.10	
			For >100 To 250, Add	0.54	
			For >250 To 500, Add	0.24	
09 97 13 24-0095	SF		Spray Tank Interior Two 1.5 Mil Vinyl Enamel Finish Coats	3.41	
			For Up To 100, Add	1.98	
			For >100 To 250, Add	0.95	
			For >250 To 500, Add	0.42	
09 97 13 24-0096 One 1 Mil Primer And 95 Mil Hot Coal Tar Enamel Finish Coat For Tanks (09 97 13 24-0022)					
09 97 13 24-0097	SF		Spray/Mop Large Vessel/Tank One 1 Mil Primer And 95 Mil Hot Coal Tar Enamel Finish Coat	8.88	
			For Up To 100, Add	5.48	
			For >100 To 250, Add	2.62	
			For >250 To 500, Add	1.14	
09 97 26 Cementitious Coatings (09 97)					
09 97 26 13 Interior Cementitious Coatings (09 97 26)					
09 97 26 13-0001			Ceramic-Like Glazed Coating (09 97 26 13)		
09 97 26 13-0002			Ceramic-Like Glazed Coating, Cementitious (09 97 26 13-0001)		
09 97 26 13-0003	SF		Ceramic-like Glazed Coating. - Cementitious	2.69	
09 97 26 13-0004 Ceramic-Like Glazed Coating, Resin Base (09 97 26 13-0001)					
09 97 26 13-0005	SF		Ceramic-like Glazed Coating - Resin	2.27	

09	09	Finishes
	09 90	Painting and Coating
	09 97	Special Coatings



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST

09 97 35 Dry Erase Coatings (09 97)				
09 97 35 00-0001		Dry-Erase Paint (09 97 35)		
09 97 35 00-0002		Dry-Erase Paint (IdeaPaint™ PRO) (09 97 35 00-0001)		
09 97 35 00-0003	SF	Dry-Erase Paint (IdeaPaint™ PRO), Applied With Roller Note: Includes two coats of primer and white, white sand, light beige or light gray surface.	12.92	
09 97 35 00-0004		Low VOC/Odorless, Dry-Erase Paint (IdeaPaint™ CREATE) (09 97 35 00-0001)		
09 97 35 00-0005	SF	Clear, Low VOC/Odorless, Dry-Erase Paint (IdeaPaint™ CREATE), Applied With Roller..... Note: For application over existing latex-based top coats.	7.15	
09 97 35 00-0006	SF	Black Or White, Low VOC/Odorless, Dry-Erase Paint (IdeaPaint™ CREATE), Applied With Roller Note: Includes two coats of primer and white or black surface coat.	13.83	
09 97 63 Special Coatings and Protection Systems (09 97)				
09 97 63 00-0001		Acrylic Glazed Coating (09 97 63)		
09 97 63 00-0002	SF	Acrylic Glazed Coating.....	1.77	

END OF SECTION 09

Specialties			10	10
Operation and Maintenance of Specialties			10 01	
Operation and Maintenance of Safety Specialties			10 01 40	
TOTAL DIRECT			DEMOLITION	
UNIT COST			UNIT COST	

10 Specialties

10 01 Operation and Maintenance of Specialties ⁽¹⁰⁾

10 01 40 Operation and Maintenance of Safety Specialties ^(10 01)

10 01 40 00-0001	Recharge Existing Portable Fire Extinguishers ^(10 01 40)		
	Note: Includes removal, filling, testing, certification and reinstallation.		
10 01 40 00-0002	Recharge Carbon Dioxide, Class BC Portable Fire Extinguishers ^(10 01 40 00-0001)		
10 01 40 00-0003	EA Recharge 2.5 Lb. Carbon Dioxide Portable Fire Extinguisher	18.49	
10 01 40 00-0004	EA Recharge 5 Lb. Carbon Dioxide Portable Fire Extinguisher	20.54	
10 01 40 00-0005	EA Recharge 10 Lb. Carbon Dioxide Portable Fire Extinguisher	21.36	
10 01 40 00-0006	EA Recharge 15 Lb. Carbon Dioxide Portable Fire Extinguisher	24.18	
10 01 40 00-0007	EA Recharge 20 Lb. Carbon Dioxide Portable Fire Extinguisher	27.94	
10 01 40 00-0008	Recharge Dry Chemical, Class ABC Portable Fire Extinguishers ^(10 01 40 00-0001)		
10 01 40 00-0009	EA Recharge 2.5 Lb. Dry Chemical Portable Fire Extinguisher	22.30	
10 01 40 00-0010	EA Recharge 5 Lb. Dry Chemical Portable Fire Extinguisher	27.00	
10 01 40 00-0011	EA Recharge 10 Lb. Dry Chemical Portable Fire Extinguisher	38.15	
10 01 40 00-0012	EA Recharge 20 Lb. Dry Chemical Portable Fire Extinguisher	60.22	
10 01 40 00-0013	Recharge Other Portable Fire Extinguishers ^(10 01 40 00-0001)		
10 01 40 00-0014	EA Recharge 2.5 Gallon Pressurized Water Portable Fire Extinguisher	22.07	
10 01 40 00-0015	EA Recharge 1.6 Gallon Wet Chemical Class K Fire Extinguisher	157.30	
10 01 40 00-0016	EA Recharge 2.5 Gallon Wet Chemical Class K Fire Extinguisher	220.21	
10 01 40 00-0017	EA Recharge 30 Lb. Dry Powder Class D Portable Fire Extinguisher	90.67	

10 01 50 Operation and Maintenance of Storage Specialties ^(10 01)

10 01 50 11 Operation and Maintenance of Storage Specialties ^(10 01 50)

10 01 50 11-0001	Locker Repair And Refinishing ^(10 01 50 11)		
10 01 50 11-0002	EA Removal And Replacement Of Single Tier Locker Door	386.82	
10 01 50 11-0003	EA Removal And Replacement Of Two Tier Locker Door	304.40	
10 01 50 11-0004	EA Removal And Replacement Of Three Tier Locker Door	261.49	
10 01 50 11-0005	EA Removal And Replacement Of Four Tier Locker Door	221.14	
10 01 50 11-0006	EA Removal And Replacement Of Six Tier Or Sixteen Person Locker Door	125.26	
10 01 50 11-0007	EA Realign Metal Locker Door For Proper Closure	44.86	
10 01 50 11-0008	EA Patch Small Drill Holes In Locker	8.97	

10 10 Information Specialties ⁽¹⁰⁾

10 11 Visual Display Units ^(10 10)

10 11 13 Chalkboards ^(10 11)

10 11 13 13 Fixed Chalkboards ^(10 11 13)

Note: Select task based off the square footage of an individual chalkboard. For example use the >12 To 16 SF range for each 3' x 5' chalkboard.

10 11 13 13-0001	Porcelain Enamel Steel Chalkboards ^(10 11 13 13)		
10 11 13 13-0002	5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboards (Claridge 800 Series) ^(10 11 13 13-0001)		
	Note: Includes up to 1/2" core material, aluminum backing, full-length map rail, map hooks, chalk tray and mounting hardware.		
10 11 13 13-0003	SF Up To 6 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	53.23	10.92
10 11 13 13-0004	SF >6 To 12 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	33.59	5.13
10 11 13 13-0005	SF >12 To 16 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	29.03	4.43
10 11 13 13-0006	SF >16 To 24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	23.90	2.89
10 11 13 13-0007	SF >24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	19.80	1.61
10 11 13 13-0008	1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboards (Claridge 1300 Series) ^(10 11 13 13-0001)		
	Note: Includes up to 1/2" core material, aluminum backing, full-length map rail, map hooks, chalk tray and mounting hardware.		
10 11 13 13-0009	SF Up To 6 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	56.14	10.92
10 11 13 13-0010	SF >6 To 12 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	36.43	5.13
10 11 13 13-0011	SF >12 To 16 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	31.65	4.43
10 11 13 13-0012	SF >16 To 24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	27.07	2.89
10 11 13 13-0013	SF >24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	22.91	1.61
10 11 13 13-0014	1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboards (Claridge 1600 Series) ^(10 11 13 13-0001)		
	Note: Includes up to 1/2" core material, aluminum backing, chalk tray and mounting hardware.		
10 11 13 13-0015	SF Up To 6 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard	51.43	10.92

10	10	Specialties
	10 10	Information Specialties
	10 11	Visual Display Units



		MINOR			TOTAL DIRECT	DEMOLITION
		CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
		10 11 13 13-0016	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard.....	31.75	5.13
		10 11 13 13-0017	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard.....	27.28	4.43
		10 11 13 13-0018	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard.....	22.43	2.89
		10 11 13 13-0019	SF	>24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard.....	18.16	1.61
10 11 13 13-0020		Removal And Reinstallation Of Chalkboards (10 11 13 13)				
		Note: Includes storage and cleaning.				
		10 11 13 13-0021	SF	Removal And Reinstallation Of Chalkboard.....	13.36	
10 11 13 13-0022		Field Applied Chalkboard And Accessories (10 11 13 13)				
10 11 13 13-0023		Chalkboard Face Sheets And Panels (10 11 13 13-0022)				
		10 11 13 13-0024	SF	Porcelain Enamel Steel Chalkboard Face Sheet (Claridge Vitracite)	18.00	5.13
		Note: Includes porcelain enamel steel chalkboard skin.				
		10 11 13 13-0025	SF	Porcelain Enamel Steel Chalkboard Panel (Claridge VIT)	21.24	5.13
		Note: Includes porcelain enamel steel surface mounted on either particleboard or hardboard core with an aluminum moisture barrier back.				
10 11 13 13-0026		Chalkboard And Markerboard Accessory Trays And Trim (10 11 13 13-0022)				
		10 11 13 13-0027	LF	Chalk And Marker Tray, Field Applied	26.18	7.06
		10 11 13 13-0028	PR	Chalk And Marker Tray End Closures, Field Applied.....	33.60	12.84
		10 11 13 13-0029	LF	Mullion Trim For Chalkboards And Markerboards, Field Applied.....	19.03	7.06
		10 11 13 13-0030	LF	Screw On Trim For Chalkboards And Markerboards, Field Applied	18.64	7.06
		10 11 13 13-0031	LF	1/2" Leg Map Rail For Chalkboards And Markerboards, Field Applied	19.74	7.06
		10 11 13 13-0032	LF	1/4" Leg Map Rail For Chalkboards And Markerboards, Field Applied.....	21.83	7.06
		10 11 13 13-0033	LF	No Leg Map Rail For Chalkboards And Markerboards, Field Applied.....	19.74	7.06
10 11 13 33		Rail-Mounted Chalkboards (10 11 13)				
10 11 13 33-0001		Horizontal Sliding, Porcelain Enamel Steel Chalkboards (Claridge HS Series) (10 11 13 33)				
10 11 13 33-0002		Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboards (10 11 13 33-0001)				
		10 11 13 33-0003	EA	4' x 6' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	2,360.20	128.39
		10 11 13 33-0004	EA	4' x 8' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	2,646.04	128.39
		10 11 13 33-0005	EA	4' x 10' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	2,994.84	136.73
		10 11 13 33-0006	EA	4' x 12' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	3,326.95	136.73
		10 11 13 33-0007	EA	4' x 14' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	4,140.06	147.00
		10 11 13 33-0008	EA	4' x 16' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	4,404.97	147.00
		10 11 13 33-0009	EA	4' x 20' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	4,974.24	154.06
		10 11 13 33-0010	EA	4' x 24' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	5,631.85	154.06
10 11 13 33-0011		Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboards (10 11 13 33-0001)				
		10 11 13 33-0012	EA	4' x 6' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,212.83	128.39
		10 11 13 33-0013	EA	4' x 8' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,804.91	128.39
		10 11 13 33-0014	EA	4' x 10' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,352.00	136.73
		10 11 13 33-0015	EA	4' x 12' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,895.61	136.73
		10 11 13 33-0016	EA	4' x 14' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	5,578.73	147.00
		10 11 13 33-0017	EA	4' x 16' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	5,818.31	147.00
		10 11 13 33-0018	EA	4' x 20' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	6,818.31	154.06
		10 11 13 33-0019	EA	4' x 24' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	7,618.02	154.06
10 11 13 33-0020		Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboards (10 11 13 33-0001)				
		10 11 13 33-0021	EA	4' x 6' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,576.36	128.39
		10 11 13 33-0022	EA	4' x 8' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,060.48	128.39
		10 11 13 33-0023	EA	4' x 10' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,586.64	136.73
		10 11 13 33-0024	EA	4' x 12' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	5,142.37	136.73
		10 11 13 33-0025	EA	4' x 14' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	6,222.06	147.00
		10 11 13 33-0026	EA	4' x 16' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	6,477.06	147.00
		10 11 13 33-0027	EA	4' x 20' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	7,643.40	154.06
		10 11 13 33-0028	EA	4' x 24' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	8,528.55	154.06
10 11 13 33-0029		Vertical Sliding, Porcelain Enamel Steel Chalkboards (Claridge TW Series) (10 11 13 33)				
10 11 13 33-0030		One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboards (10 11 13 33-0029)				
		10 11 13 33-0031	EA	8' x 4' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	2,814.58	128.39
		10 11 13 33-0032	EA	8' x 5' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	3,102.63	128.39
		10 11 13 33-0033	EA	8' x 6' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	3,391.94	136.73
		10 11 13 33-0034	EA	8' x 8' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	3,892.02	136.73
		10 11 13 33-0035	EA	8' x 10' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	4,262.82	147.00
		10 11 13 33-0036	EA	8' x 12' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	4,724.34	147.00

Specialties			10
Information Specialties			10 10
Visual Display Units			10 11
MINOR	CSI	UOM	DESCRIPTION
			TOTAL DIRECT UNIT COST
			DEMOLITION UNIT COST

10 11 13 33-0037		Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboards (10 11 13 33-0029)		
10 11 13 33-0038	EA	8' x 4' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	4,112.17	128.39
10 11 13 33-0039	EA	8' x 5' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	4,559.37	128.39
10 11 13 33-0040	EA	8' x 6' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	5,010.04	136.73
10 11 13 33-0041	EA	8' x 8' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	5,832.84	136.73
10 11 13 33-0042	EA	8' x 10' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	6,347.91	147.00
10 11 13 33-0043	EA	8' x 12' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	7,094.70	147.00
10 11 13 33-0044		Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboards (10 11 13 33-0029)		
10 11 13 33-0045	EA	8' x 4' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	5,602.53	128.39
10 11 13 33-0046	EA	8' x 5' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	6,212.20	128.39
10 11 13 33-0047	EA	8' x 6' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	6,825.33	136.73
10 11 13 33-0048	EA	8' x 8' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	7,969.75	136.73
10 11 13 33-0049	EA	8' x 10' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	8,642.30	147.00
10 11 13 33-0050	EA	8' x 12' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	9,694.19	147.00
10 11 13 33-0051		Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards (Claridge MO Series) (10 11 13 33)		
Note: Excludes remotes.				
10 11 13 33-0052		One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards (10 11 13 33-0051)		
10 11 13 33-0053	EA	10' x 4' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	9,000.64	256.78
10 11 13 33-0054	EA	10' x 5' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	9,255.77	256.78
10 11 13 33-0055	EA	10' x 6' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	9,542.37	264.80
10 11 13 33-0056	EA	10' x 8' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	10,009.66	264.80
10 11 13 33-0057	EA	10' x 10' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	10,528.26	272.82
10 11 13 33-0058	EA	10' x 12' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	10,979.03	272.82
10 11 13 33-0059	EA	10' x 14' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	11,964.21	288.87
10 11 13 33-0060	EA	10' x 16' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	12,088.91	288.87
10 11 13 33-0061		Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards (10 11 13 33-0051)		
10 11 13 33-0062	EA	10' x 4' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	14,119.07	256.78
10 11 13 33-0063	EA	10' x 5' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	14,456.37	256.78
10 11 13 33-0064	EA	10' x 6' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	14,835.07	264.80
10 11 13 33-0065	EA	10' x 8' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	15,521.80	264.80
10 11 13 33-0066	EA	10' x 10' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	16,206.96	272.82
10 11 13 33-0067	EA	10' x 12' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	16,859.54	272.82
10 11 13 33-0068	EA	10' x 14' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	18,188.64	288.87
10 11 13 33-0069	EA	10' x 16' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	18,386.26	288.87
10 11 13 33-0070		Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards (10 11 13 33-0051)		
10 11 13 33-0071	EA	10' x 4' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	18,322.07	256.78
10 11 13 33-0072	EA	10' x 5' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	19,173.38	256.78
10 11 13 33-0073	EA	10' x 6' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	19,626.54	264.80
10 11 13 33-0074	EA	10' x 8' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	20,519.49	264.80
10 11 13 33-0075	EA	10' x 10' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	21,460.44	272.82
10 11 13 33-0076	EA	10' x 12' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	22,363.30	272.82
10 11 13 33-0077	EA	10' x 14' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	24,148.68	288.87
10 11 13 33-0078	EA	10' x 16' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	24,496.34	288.87
10 11 13 33-0079		Sliding Chalkboard And Markerboard Accessories (10 11 13 33)		
10 11 13 33-0080	EA	One Sliding Panel, Remote Control For Motor Operated Sliding Chalkboard Or Markerboard.....	672.69	
10 11 13 33-0081	EA	Two Sliding Panel, Remote Control For Motor Operated Sliding Chalkboard Or Markerboard.....	1,147.48	
10 11 16		Markerboards (10 11)		
10 11 16 13		Fixed Markerboards (10 11 16)		
Note: Select task based off the square footage of an individual markerboard. For example use the >12 To 16 SF range for each 3' x 5' markerboard.				
10 11 16 13-0001		Porcelain Enamel Steel Markerboards (10 11 16 13)		
10 11 16 13-0002		5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboards (Claridge 800 Series) (10 11 16 13-0001)		
Note: Includes up to 1/2" core material, aluminum backing, full-length map rail, map hooks, marker tray and mounting hardware.				
10 11 16 13-0003	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	53.41	10.92
10 11 16 13-0004	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	34.23	5.13
10 11 16 13-0005	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	29.03	4.43
10 11 16 13-0006	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	24.13	2.89
10 11 16 13-0007	SF	>24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	19.54	1.61

10	10	Specialties
	10 10	Information Specialties
	10 11	Visual Display Units



		MINOR			TOTAL DIRECT	DEMOLITION
		CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
10 11 16 13-0008				1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboards (Claridge 1300 Series) (10 11 16 13-0001) Note: Includes up to 1/2" core material, aluminum backing, full-length map rail, map hooks, marker tray and mounting hardware.		
10 11 16 13-0009	SF			Up To 6 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	56.18	10.92
10 11 16 13-0010	SF			>6 To 12 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	35.06	5.13
10 11 16 13-0011	SF			>12 To 16 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	30.27	4.43
10 11 16 13-0012	SF			>16 To 24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	25.69	2.89
10 11 16 13-0013	SF			>24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	22.10	1.61
10 11 16 13-0014				1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboards (Claridge LCS Series) (10 11 16 13-0001) Note: Includes up to 1/2" core material, aluminum backing, marker tray and mounting hardware.		
10 11 16 13-0015	SF			Up To 6 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard.....	51.41	10.92
10 11 16 13-0016	SF			>6 To 12 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard.....	31.76	5.13
10 11 16 13-0017	SF			>12 To 16 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard.....	28.62	4.43
10 11 16 13-0018	SF			>16 To 24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard.....	22.57	2.89
10 11 16 13-0019	SF			>24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard.....	17.85	1.61
10 11 16 13-0020				Melamine Markerboards (10 11 16 13)		
10 11 16 13-0021				1-1/4" Face Aluminum Frame, Melamine Markerboard (Claridge MLC Series) (10 11 16 13-0020) Note: Includes full-length map rail, map hooks, marker tray and mounting hardware.		
10 11 16 13-0022	SF			Up To 6 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard.....	42.94	10.92
10 11 16 13-0023	SF			>6 To 12 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard.....	25.93	5.13
10 11 16 13-0024	SF			>12 To 16 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard.....	22.49	4.43
10 11 16 13-0025	SF			>16 To 24 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard.....	16.79	2.89
10 11 16 13-0026	SF			>24 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard.....	13.44	1.61
10 11 16 13-0027				1-3/4" Face Wood Frame, Melamine Markerboard (Claridge MLC Series) (10 11 16 13-0020) Note: Includes marker tray and mounting hardware.		
10 11 16 13-0028	SF			Up To 6 SF, 1-3/4" Face Wood Frame, Melamine Markerboard.....	42.00	10.92
10 11 16 13-0029	SF			>6 To 12 SF, 1-3/4" Face Wood Frame, Melamine Markerboard.....	25.49	5.13
10 11 16 13-0030	SF			>12 To 16 SF, 1-3/4" Face Wood Frame, Melamine Markerboard.....	21.87	4.43
10 11 16 13-0031	SF			>16 To 24 SF, 1-3/4" Face Wood Frame, Melamine Markerboard.....	15.68	2.89
10 11 16 13-0032	SF			>24 SF, 1-3/4" Face Wood Frame, Melamine Markerboard.....	12.44	1.61
10 11 16 13-0033				Nonporous, Non-Staining Markerboards (10 11 16 13)		
10 11 16 13-0034				5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboards (EverWhite Classic Series) (10 11 16 13-0033) Note: Includes non-staining permanent marker resistant surface, non-magnetic surface, marker tray and mounting hardware.		
10 11 16 13-0035	SF			Up To 6 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard.....	58.50	10.92
				<i>For Magnetic Surface, Add</i>	3.67	
10 11 16 13-0036	SF			>6 To 12 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard.....	38.17	5.13
				<i>For Magnetic Surface, Add</i>	2.79	
10 11 16 13-0037	SF			>12 To 16 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard.....	32.93	4.43
				<i>For Magnetic Surface, Add</i>	2.41	
10 11 16 13-0038	SF			>16 To 24 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard.....	28.89	2.89
				<i>For Magnetic Surface, Add</i>	2.31	
10 11 16 13-0039	SF			>24 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard.....	24.77	1.61
				<i>For Magnetic Surface, Add</i>	2.16	
10 11 16 13-0040				1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboards (EverWhite Classic Series) (10 11 16 13-0033) Note: Includes non-staining permanent marker resistant surface, non-magnetic surface, marker tray and mounting hardware.		
10 11 16 13-0041	SF			Up To 6 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard.....	58.50	10.92
				<i>For Magnetic Surface, Add</i>	3.67	
10 11 16 13-0042	SF			>6 To 12 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard.....	38.17	5.13
				<i>For Magnetic Surface, Add</i>	2.79	
10 11 16 13-0043	SF			>12 To 16 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard.....	32.93	4.43
				<i>For Magnetic Surface, Add</i>	2.41	
10 11 16 13-0044	SF			>16 To 24 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard.....	28.89	2.89
				<i>For Magnetic Surface, Add</i>	2.31	
10 11 16 13-0045	SF			>24 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard.....	24.77	1.61
				<i>For Magnetic Surface, Add</i>	2.16	
10 11 16 13-0046				1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboards (EverWhite Classic Series) (10 11 16 13-0033) Note: Includes non-staining permanent marker resistant surface, non-magnetic surface, marker tray and mounting hardware.		
10 11 16 13-0047	SF			Up To 6 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard.....	103.95	10.92
				<i>For Magnetic Surface, Add</i>	8.21	
10 11 16 13-0048	SF			>6 To 12 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard.....	65.48	5.13
				<i>For Magnetic Surface, Add</i>	5.52	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 16 13-0049	SF	>12 To 16 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard..... <i>For Magnetic Surface, Add</i>	55.35 4.65	4.43
10 11 16 13-0050	SF	>16 To 24 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard..... <i>For Magnetic Surface, Add</i>	46.63 4.09	2.89
10 11 16 13-0051	SF	>24 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard..... <i>For Magnetic Surface, Add</i>	36.10 3.29	1.61
10 11 16 13-0052		Nonporous, Non-Staining Markerboard Resurfacing Panels (EverWhite EverEZ Resurfacing Panels) (10 11 16 13-0033) Note: Includes non-staining, permanent marker resistant, magnetic dry erase surface. Excludes frame. Resurfacing panel for mounting to existing chalkboard or markerboard consists of dry erase surface; 24-gauge treated steel interlayer and pressure-sensitive adhesive backing.		
10 11 16 13-0053	SF	Up To 16 SF, Nonporous, Non-Staining Markerboard Resurfacing Panel With Pressure-Sensitive Adhesive Backing.....	26.20	4.43
10 11 16 13-0054	SF	>16 To 24 SF, Nonporous, Non-Staining Markerboard Resurfacing Panel With Pressure-Sensitive Adhesive Backing.....	22.21	2.89
10 11 16 13-0055	SF	>24 SF, Nonporous, Non-Staining Markerboard Resurfacing Panel With Pressure-Sensitive Adhesive Backing.....	18.53	1.61
10 11 16 13-0056		Removal And Reinstallation Of Markerboard (10 11 16 13) Note: Includes storage and cleaning.		
10 11 16 13-0057	EA	Up To 6 SF, Removal And Reinstallation Of Markerboard	77.03	
10 11 16 13-0058	EA	>6 To 12 SF, Removal And Reinstallation Of Markerboard	89.87	
10 11 16 13-0059	EA	>12 To 16 SF, Removal And Reinstallation Of Markerboard	102.71	
10 11 16 13-0060	EA	>16 To 24 SF, Removal And Reinstallation Of Markerboard	115.55	
10 11 16 13-0061	EA	>24 SF, Removal And Reinstallation Of Markerboard	128.39	
10 11 16 13-0062		Field Applied Markerboard And Accessories (10 11 16 13)		
10 11 16 13-0063		Markerboard Face Sheets And Panels (10 11 16 13-0062)		
10 11 16 13-0064	SF	Porcelain Enamel Steel Markerboard Face Sheet (Claridge LCS)	17.74	5.13
		Note: Includes porcelain enamel steel markerboard skin backed with double-sided tape.		
10 11 16 13-0065	SF	Porcelain Enamel Steel Markerboard Face Sheet With Double Sided Tape (Claridge LCS EZ Stick)	20.65	5.13
		Note: Includes porcelain enamel steel markerboard skin backed with double-sided tape.		
10 11 16 13-0066	SF	Porcelain Enamel Steel Markerboard Panel (Claridge LCS)	20.58	5.13
		Note: Includes porcelain enamel steel surface mounted on either 3/8" particleboard or 1/4" hardboard core with an aluminum moisture barrier back.		
10 11 16 13-0067	SF	Melamine Markerboard Panel (Claridge 1032)	12.47	5.13
		Note: Includes 1/4" thick melamine panel.		
10 11 16 13-0068		Chalkboard And Markerboard Accessory Trays And Trim (10 11 16 13-0062) See CSI section 10 11 13 13-0026 for chalkboard and markerboard accessory trays and trim.		
10 11 16 33		Rail-Mounted Markerboards (10 11 16)		
10 11 16 33-0001		Horizontal Sliding, Porcelain Enamel Steel Markerboards (Claridge HS Series) (10 11 16 33)		
10 11 16 33-0002		Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboards (10 11 16 33-0001)		
10 11 16 33-0003	EA	4' x 6' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	2,332.18	128.39
10 11 16 33-0004	EA	4' x 8' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	2,608.67	128.39
10 11 16 33-0005	EA	4' x 10' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	2,948.13	136.73
10 11 16 33-0006	EA	4' x 12' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	3,270.90	136.73
10 11 16 33-0007	EA	4' x 14' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	4,074.67	147.00
10 11 16 33-0008	EA	4' x 16' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	4,330.24	147.00
10 11 16 33-0009	EA	4' x 20' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	4,880.83	154.06
10 11 16 33-0010	EA	4' x 24' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	5,519.75	154.06
10 11 16 33-0011		Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboards (10 11 16 33-0001)		
10 11 16 33-0012	EA	4' x 6' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	3,184.81	128.39
10 11 16 33-0013	EA	4' x 8' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	3,767.55	128.39
10 11 16 33-0014	EA	4' x 10' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	4,305.29	136.73
10 11 16 33-0015	EA	4' x 12' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	4,839.56	136.73
10 11 16 33-0016	EA	4' x 14' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	5,513.34	147.00
10 11 16 33-0017	EA	4' x 16' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	5,743.58	147.00
10 11 16 33-0018	EA	4' x 20' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	6,724.89	154.06
10 11 16 33-0019	EA	4' x 24' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	7,505.92	154.06
10 11 16 33-0020		Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboards (10 11 16 33-0001)		
10 11 16 33-0021	EA	4' x 6' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	3,548.33	128.39
10 11 16 33-0022	EA	4' x 8' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	4,023.12	128.39
10 11 16 33-0023	EA	4' x 10' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	4,539.93	136.73
10 11 16 33-0024	EA	4' x 12' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	5,086.32	136.73
10 11 16 33-0025	EA	4' x 14' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	6,156.67	147.00
10 11 16 33-0026	EA	4' x 16' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	6,402.33	147.00
10 11 16 33-0027	EA	4' x 20' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	7,549.98	154.06
10 11 16 33-0028	EA	4' x 24' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	8,444.47	154.06

10	10	Specialties
	10 10	Information Specialties
	10 11	Visual Display Units



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST

10 11 16 33-0029		Vertical Sliding, Porcelain Enamel Steel Markerboards (Claridge TW Series) ^(10 11 16 33)		
10 11 16 33-0030		One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboards ^(10 11 16 33-0029)		
10 11 16 33-0031	EA	8' x 4' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	2,777.22	128.39
10 11 16 33-0032	EA	8' x 5' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	3,055.92	128.39
10 11 16 33-0033	EA	8' x 6' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	3,335.89	136.73
10 11 16 33-0034	EA	8' x 8' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	3,817.29	136.73
10 11 16 33-0035	EA	8' x 10' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	4,169.40	147.00
10 11 16 33-0036	EA	8' x 12' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	4,612.24	147.00
10 11 16 33-0037		Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboards ^(10 11 16 33-0029)		
10 11 16 33-0038	EA	8' x 4' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	4,037.44	128.39
10 11 16 33-0039	EA	8' x 5' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	4,465.96	128.39
10 11 16 33-0040	EA	8' x 6' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	4,897.94	136.73
10 11 16 33-0041	EA	8' x 8' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	5,683.38	136.73
10 11 16 33-0042	EA	8' x 10' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	6,161.08	147.00
10 11 16 33-0043	EA	8' x 12' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	6,870.50	147.00
10 11 16 33-0044		Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboards ^(10 11 16 33-0029)		
10 11 16 33-0045	EA	8' x 4' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	5,490.43	128.39
10 11 16 33-0046	EA	8' x 5' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	6,072.07	128.39
10 11 16 33-0047	EA	8' x 6' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	6,657.18	136.73
10 11 16 33-0048	EA	8' x 8' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	7,745.55	136.73
10 11 16 33-0049	EA	8' x 10' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	8,362.06	147.00
10 11 16 33-0050	EA	8' x 12' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	9,357.89	147.00
10 11 16 33-0051		Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards (Claridge MO Series) ^(10 11 16 33)		
		Note: Excludes remotes.		
10 11 16 33-0052		One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards ^(10 11 16 33-0051)		
10 11 16 33-0053	EA	10' x 4' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	8,953.93	256.78
10 11 16 33-0054	EA	10' x 5' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	9,197.38	256.78
10 11 16 33-0055	EA	10' x 6' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	9,472.31	264.80
10 11 16 33-0056	EA	10' x 8' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	9,916.25	264.80
10 11 16 33-0057	EA	10' x 10' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	10,411.49	272.82
10 11 16 33-0058	EA	10' x 12' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	10,838.91	272.82
10 11 16 33-0059	EA	10' x 14' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	11,800.74	288.87
10 11 16 33-0060	EA	10' x 16' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	11,902.09	288.87
10 11 16 33-0061		Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards ^(10 11 16 33-0051)		
10 11 16 33-0062	EA	10' x 4' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	14,025.65	256.78
10 11 16 33-0063	EA	10' x 5' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	14,339.61	256.78
10 11 16 33-0064	EA	10' x 6' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	14,694.95	264.80
10 11 16 33-0065	EA	10' x 8' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	15,334.97	264.80
10 11 16 33-0066	EA	10' x 10' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	15,973.42	272.82
10 11 16 33-0067	EA	10' x 12' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	16,579.29	272.82
10 11 16 33-0068	EA	10' x 14' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	17,861.69	288.87
10 11 16 33-0069	EA	10' x 16' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	18,012.60	288.87
10 11 16 33-0070		Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards ^(10 11 16 33-0051)		
10 11 16 33-0071	EA	10' x 4' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	18,181.95	256.78
10 11 16 33-0072	EA	10' x 5' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	18,998.23	256.78
10 11 16 33-0073	EA	10' x 6' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	19,416.36	264.80
10 11 16 33-0074	EA	10' x 8' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	20,239.25	264.80
10 11 16 33-0075	EA	10' x 10' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	21,110.13	272.82
10 11 16 33-0076	EA	10' x 12' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	21,942.93	272.82
10 11 16 33-0077	EA	10' x 14' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	23,658.25	288.87
10 11 16 33-0078	EA	10' x 16' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	23,935.85	288.87
10 11 16 33-0079		Sliding Chalkboard And Markerboard Accessories ^(10 11 16 33)		
		See CSI section 10 11 13 33-0079 for sliding chalkboard and markerboard accessories.		

10 11 23	Tackboards ^(10 11)
10 11 23 13	Fixed Tackboards ^(10 11 23)
	Note: Select task based off the square footage of an individual tackboard. For example use the >12 To 16 SF range for each 3' x 5' tackboard.

			Specialties	10
			Information Specialties	10 10
			Visual Display Units	10 11
MINOR	CSI	UOM	TOTAL DIRECT	DEMOLITION
		DESCRIPTION	UNIT COST	UNIT COST

10 11 23 13-0001		Fixed Tackboards (10 11 23 13) Note: Select task based off the square footage of an individual tackboard. For example use the >12 To 16 SF range for each 3' x 5' tackboard.		
10 11 23 13-0002		Cork Surface, Fixed Tackboards (10 11 23 13-0001) Note: Includes up to 1/4" cork surface, unmounted or mounted on duracore or hardboard.		
10 11 23 13-0003		5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboards (Claridge 800 Series) (10 11 23 13-0002)		
10 11 23 13-0004	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	36.61	10.92
10 11 23 13-0005	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	20.55	5.13
10 11 23 13-0006	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	17.81	4.43
10 11 23 13-0007	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	14.03	2.89
10 11 23 13-0008	SF	>24 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	11.27	1.61
10 11 23 13-0009		1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboards (Claridge 900A Series) (10 11 23 13-0002)		
10 11 23 13-0010	SF	Up To 6 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard	38.35	10.92
10 11 23 13-0011	SF	>6 To 12 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard	21.36	5.13
10 11 23 13-0012	SF	>12 To 16 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard	17.40	4.43
10 11 23 13-0013	SF	>16 To 24 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard	13.39	2.89
10 11 23 13-0014	SF	>24 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard	10.26	1.61
10 11 23 13-0015		1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboards (Claridge 700 Series) (10 11 23 13-0002)		
10 11 23 13-0016	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard	38.54	10.92
10 11 23 13-0017	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard	23.06	5.13
10 11 23 13-0018	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard	21.25	4.43
10 11 23 13-0019	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard	16.19	2.89
10 11 23 13-0020	SF	>24 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard	12.61	1.61
10 11 23 13-0021		Burlap Backed Cork Surface, Fixed Tackboards (10 11 23 13-0001) Note: Includes burlap backed 1/4" self-healing cork surface, unmounted or mounted on hardboard.		
10 11 23 13-0022		5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboards (Claridge 800 Series) (10 11 23 13-0021)		
10 11 23 13-0023	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard	41.66	10.92
10 11 23 13-0024	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard	26.61	5.13
10 11 23 13-0025	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard	24.21	4.43
10 11 23 13-0026	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard	20.46	2.89
10 11 23 13-0027	SF	>24 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard	17.81	1.61
10 11 23 13-0028		1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboards (Claridge 700 Series) (10 11 23 13-0021)		
10 11 23 13-0029	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	45.88	10.92
10 11 23 13-0030	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	31.12	5.13
10 11 23 13-0031	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	28.76	4.43
10 11 23 13-0032	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	23.76	2.89
10 11 23 13-0033	SF	>24 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	20.22	1.61
10 11 23 13-0034		Polyester Fabric Surface, Fixed Tackboards (10 11 23 13-0001) Note: Includes polyester fabric on cork underlay, unmounted or mounted on duracore. Class A rating.		
10 11 23 13-0035		5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboards (Claridge 800 Series) (10 11 23 13-0034)		
10 11 23 13-0036	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	37.80	10.92
10 11 23 13-0037	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	22.02	5.13
10 11 23 13-0038	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	19.46	4.43
10 11 23 13-0039	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	15.73	2.89
10 11 23 13-0040	SF	>24 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	12.78	1.61
10 11 23 13-0041		1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboards (Claridge 700 Series) (10 11 23 13-0034)		
10 11 23 13-0042	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard	40.19	10.92
10 11 23 13-0043	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard	25.12	5.13
10 11 23 13-0044	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard	23.18	4.43
10 11 23 13-0045	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard	18.30	2.89
10 11 23 13-0046	SF	>24 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard	14.81	1.61
10 11 23 13-0047		Vinyl Fabric Surface, Fixed Tackboards (10 11 23 13-0001) Note: Includes vinyl fabric on cork underlay, unmounted or mounted on duracore.		
10 11 23 13-0048		5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboards (Claridge 800 Series) (10 11 23 13-0047)		
10 11 23 13-0049	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard	36.61	10.92
10 11 23 13-0050	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard	20.64	5.13
10 11 23 13-0051	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard	17.95	4.43

10	10	Specialties
	10 10	Information Specialties
	10 11	Visual Display Units



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 11 23 13-0052	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard	14.03	2.89
10 11 23 13-0053	SF	>24 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard	11.06	1.61

10 11 23 13-0054 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboards
(Claridge 700 Series) (10 11 23 13-0047)

10 11 23 13-0055	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	38.54	10.92
10 11 23 13-0056	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	23.91	5.13
10 11 23 13-0057	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	21.25	4.43
10 11 23 13-0058	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	16.19	2.89
10 11 23 13-0059	SF	4' x 8', 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	12.61	1.61

10 12 Display Cases (10 10)

10 12 00 00-0001 Counter Display Cases (10 12)

10 12 00 00-0002	EA	30" x 12" x 36" Counter Display Cases	1,927.09	196.69
10 12 00 00-0003	EA	30" x 12" x 48" Counter Display Cases	2,080.71	196.69
10 12 00 00-0004	EA	30" x 18" x 36" Counter Display Cases	2,018.15	196.69
10 12 00 00-0005	EA	30" x 18" x 48" Counter Display Cases	1,999.03	87.43

10 12 00 00-0006 Upright Display Case (10 12)

10 12 00 00-0007	EA	72" High x 20" Deep x 70" Wide, Upright Display Case	4,010.96	196.69
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10 12 00 00-0008 Full Vision Display Case (10 12)

10 12 00 00-0009	EA	38" x 20" x 70" Full Vision Display Case	2,621.66	196.69
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10 13 Directories (10 10)

10 13 11 Directory and Bulletin Boards (10 13)

Note: Select task based off the square footage of an individual directory or bulletin board. For example use the >12 To 16 SF range for each 3' x 5' directory or bulletin board.

10 13 11 00-0001 Wall Mounted Directories (10 13 11)

Note: Includes changeable letters.

10 13 11 00-0002 Open Face, Wall Mounted Directories (10 13 11 00-0001)

Note: Includes vinyl or felt back panel.

10 13 11 00-0003 Wood Frame, Open Face, Wall Mounted Directories (Claridge 350 Series)

10 13 11 00-0004	SF	Up To 6 SF, Wood Frame, Open Face, Wall Mounted Directory	58.92	10.92
10 13 11 00-0005	SF	>6 To 12 SF, Wood Frame, Open Face, Wall Mounted Directory	38.09	5.13
10 13 11 00-0006	SF	>12 To 16 SF, Wood Frame, Open Face, Wall Mounted Directory	34.56	4.43
10 13 11 00-0007	SF	>16 To 24 SF, Wood Frame, Open Face, Wall Mounted Directory	26.29	2.89
10 13 11 00-0008	SF	>24 SF, Wood Frame, Open Face, Wall Mounted Directory	20.84	1.61

10 13 11 00-0009 Aluminum Frame, Open Face, Wall Mounted Directories (Claridge 432 Series) (10 13 11 00-0002)

10 13 11 00-0010	SF	Up To 6 SF, Aluminum Frame, Open Face, Wall Mounted Directory	59.47	10.92
		For Bronze Anodize Finish, Add	12.00	
10 13 11 00-0011	SF	>6 To 12 SF, Aluminum Frame, Open Face, Wall Mounted Directory	38.45	5.13
		For Bronze Anodize Finish, Add	12.00	
10 13 11 00-0012	SF	>12 To 16 SF, Aluminum Frame, Open Face, Wall Mounted Directory	35.30	4.43
		For Bronze Anodize Finish, Add	12.00	
10 13 11 00-0013	SF	>16 To 24 SF, Aluminum Frame, Open Face, Wall Mounted Directory	25.09	2.89
		For Bronze Anodize Finish, Add	12.00	
10 13 11 00-0014	SF	>24 SF, Aluminum Frame, Open Face, Wall Mounted Directory	21.39	1.61
		For Bronze Anodize Finish, Add	12.00	

10 13 11 00-0015 Glass Encased, Wall Mounted Directory Cabinets (10 13 11 00-0001)

Note: Includes vinyl or felt back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.

10 13 11 00-0016 Wood Frame, Glass Encased, Wall Mounted Directory Cabinets (10 13 11 00-0015)

10 13 11 00-0017 Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge 3052 Series) (10 13 11 00-0016)

10 13 11 00-0018	SF	Up To 6 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	141.72	10.92
		For Fluorescent Lights, Add	15.00	
10 13 11 00-0019	SF	>6 To 12 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	112.81	5.13
		For Fluorescent Lights, Add	15.00	
10 13 11 00-0020	SF	>12 To 16 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	94.51	4.43
		For Fluorescent Lights, Add	15.00	
10 13 11 00-0021	SF	>16 To 24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	87.24	2.89
		For Fluorescent Lights, Add	15.00	
10 13 11 00-0022	SF	>24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	78.67	1.61
		For Fluorescent Lights, Add	15.00	

10 13 11 00-0023 Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge 345 Series) (10 13 11 00-0016)

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 13 11 00-0024	SF	Up To 12 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i>	122.26 15.00	10.92
10 13 11 00-0025	SF	>12 To 16 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet <i>For Fluorescent Lights, Add</i>	97.57 15.00	4.43
10 13 11 00-0026	SF	>16 To 24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet <i>For Fluorescent Lights, Add</i>	69.89 15.00	2.89
10 13 11 00-0027	SF	>24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet <i>For Fluorescent Lights, Add</i>	62.70 15.00	1.61
10 13 11 00-0028		Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinets (10 13 11 00-0015)		
10 13 11 00-0029		Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge Contemporary Series) (10 13 11 00-0028)		
10 13 11 00-0030	SF	Up To 6 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	127.13 15.00 12.00 21.06	10.92
10 13 11 00-0031	SF	>6 To 12 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	97.67 15.00 12.00 17.48	5.13
10 13 11 00-0032	SF	>12 To 16 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	82.68 15.00 12.00 14.76	4.43
10 13 11 00-0033	SF	>16 To 24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	60.68 15.00 12.00 10.98	2.89
10 13 11 00-0034	SF	>24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	56.37 15.00 12.00 10.63	1.61
10 13 11 00-0035		Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge Contemporary Series) (10 13 11 00-0028)		
10 13 11 00-0036	SF	Up To 6 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	194.51 15.00 12.00 34.54	10.92
10 13 11 00-0037	SF	>6 To 12 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	112.73 15.00 12.00 20.49	5.13
10 13 11 00-0038	SF	>12 To 16 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	95.00 15.00 12.00 17.23	4.43
10 13 11 00-0039	SF	>16 To 24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	73.11 15.00 12.00 13.47	2.89
10 13 11 00-0040	SF	>24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	67.39 15.00 12.00 12.84	1.61
10 13 11 00-0041		Outdoor, Glass Encased, Wall Mounted Directory Cabinets (10 13 11 00-0001) Note: Includes vinyl or felt back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.		
10 13 11 00-0042		Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Directory Cabinets (10 13 11 00-0041)		
10 13 11 00-0043		Hinged Door, Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Directory Cabinets (Claridge 548 Series) (10 13 11 00-0042)		
10 13 11 00-0044	SF	Up To 6 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i>	191.11 15.00 12.00	10.92
10 13 11 00-0045	SF	>6 To 12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Directory Cabinet <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i>	127.14 15.00 12.00	5.13
10 13 11 00-0046	SF	>12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i>	123.43 15.00 12.00	4.43
10 13 11 00-0047		Wall Mounted Bulletin Boards (10 13 11)		
10 13 11 00-0048		Glass Encased, Wall Mounted Bulletin Board Cabinets (10 13 11 00-0047) Note: Includes cork, fabric or hook-fab back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.		
10 13 11 00-0049		Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (10 13 11 00-0048)		

10	10	Specialties
	10 10	Information Specialties
	10 13	Directories



		MINOR			TOTAL DIRECT	DEMOLITION
		CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
10 13 11 00-0050				Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge 3070 Series) (10 13 11 00-0049)		
10 13 11 00-0051	SF			Up To 6 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	138.41	10.92
				For Fluorescent Lights, Add	15.00	
10 13 11 00-0052	SF			>6 To 12 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	110.33	5.13
				For Fluorescent Lights, Add	15.00	
10 13 11 00-0053	SF			>12 To 16 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	92.03	4.43
				For Fluorescent Lights, Add	15.00	
10 13 11 00-0054	SF			>16 To 24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	84.90	2.89
				For Fluorescent Lights, Add	15.00	
10 13 11 00-0055	SF			>24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	77.57	1.61
				For Fluorescent Lights, Add	15.00	
10 13 11 00-0056				Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge 310 Series) (10 13 11 00-0049)		
10 13 11 00-0057	SF			Up To 12 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	116.38	10.92
				For Fluorescent Lights, Add	15.00	
10 13 11 00-0058	SF			>12 To 16 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	91.99	4.43
				For Fluorescent Lights, Add	15.00	
10 13 11 00-0059	SF			>16 To 24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	65.58	2.89
				For Fluorescent Lights, Add	15.00	
10 13 11 00-0060	SF			>24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	59.39	1.61
				For Fluorescent Lights, Add	15.00	
10 13 11 00-0061				Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (10 13 11 00-0048)		
10 13 11 00-0062				Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge Contemporary Series) (10 13 11 00-0061)		
10 13 11 00-0063	SF			Up To 6 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	130.15	10.92
				For Fluorescent Lights, Add	15.00	
				For Bronze Anodize Finish, Add	12.00	
				For Header Panel, Add	21.66	
10 13 11 00-0064	SF			>6 To 12 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	100.69	5.13
				For Fluorescent Lights, Add	15.00	
				For Bronze Anodize Finish, Add	12.00	
				For Header Panel, Add	18.08	
10 13 11 00-0065	SF			>12 To 16 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	85.70	4.43
				For Fluorescent Lights, Add	15.00	
				For Bronze Anodize Finish, Add	12.00	
				For Header Panel, Add	15.37	
10 13 11 00-0066	SF			>16 To 24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	63.70	2.89
				For Fluorescent Lights, Add	15.00	
				For Bronze Anodize Finish, Add	12.00	
				For Header Panel, Add	11.59	
10 13 11 00-0067	SF			>24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	59.39	1.61
				For Fluorescent Lights, Add	15.00	
				For Bronze Anodize Finish, Add	12.00	
				For Header Panel, Add	11.24	
10 13 11 00-0068				Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge Contemporary Series) (10 13 11 00-0061)		
10 13 11 00-0069	SF			Up To 6 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	197.53	10.92
				For Fluorescent Lights, Add	15.00	
				For Bronze Anodize Finish, Add	12.00	
				For Header Panel, Add	35.14	
10 13 11 00-0070	SF			>6 To 12 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	115.75	5.13
				For Fluorescent Lights, Add	15.00	
				For Bronze Anodize Finish, Add	12.00	
				For Header Panel, Add	21.10	
10 13 11 00-0071	SF			>12 To 16 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	98.02	4.43
				For Fluorescent Lights, Add	15.00	
				For Bronze Anodize Finish, Add	12.00	
				For Header Panel, Add	17.83	
10 13 11 00-0072	SF			>16 To 24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	76.13	2.89
				For Fluorescent Lights, Add	15.00	
				For Bronze Anodize Finish, Add	12.00	
				For Header Panel, Add	14.07	
10 13 11 00-0073	SF			>24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	70.41	1.61
				For Fluorescent Lights, Add	15.00	
				For Bronze Anodize Finish, Add	12.00	
				For Header Panel, Add	13.44	
10 13 11 00-0074				Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinets (10 13 11 00-0047)		
				Note: Includes cork, fabric or hook-fab back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.		
10 13 11 00-0075				Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinets (10 13 11 00-0074)		
10 13 11 00-0076				Hinged Door, Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinets (10 13 11 00-0075)		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 13 11 00-0077	SF	Up To 6 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i>	188.09 15.00 12.00	10.92
10 13 11 00-0078	SF	>6 To 12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i>	124.13 15.00 12.00	5.13
10 13 11 00-0079	SF	>12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i>	120.44 15.00 12.00	4.43
10 13 11 00-0080		Wall Mounted Menu Boards (10 13 11)		
10 13 11 00-0081	SF	Stainless Steel Changeable Letter Type Menu Board <i>For Attaching Board To Gypsum Board Walls, Add</i> <i>For Illumination, Add</i> <i>For Exterior Construction Waterproof, Add</i>	84.14 16.69 21.04 6.09	17.98
10 14		Signage (10 10)		
Note: Where required, signage excludes electrical connection, disconnect, or terminations unless title states otherwise. See CSI section 26 05 19 16-0011 for electrical connection wiring, 26 05 83 00-0130 for terminations.				
10 14 16		Plaques (10 14)		
Note: Includes minimum 1/4" to 3/8" plaque with custom 1/4" raised lettering and emblem casting. Sizes one to four SF each.				
10 14 16 00-0001		Metal Cased Plaque (10 14 16)		
10 14 16 00-0002	SF	Bronze Cast Plaque With lettering Including Emblem Size 1-4 SF Each..... <i>For >5 To 10, Deduct</i> <i>For >10 Each, Deduct</i>	559.14 -60.22 -103.30	32.08
10 14 16 00-0003	SF	Aluminum Cast Plaque With lettering Including Emblem Size 1-4 SF Each <i>For >5 To 10, Deduct</i> <i>For >10 Each, Deduct</i>	396.71 -42.35 -69.19	32.08
10 14 16 00-0004		Metal Engraved Plaque, Etched (10 14 16)		
10 14 16 00-0005	SF	Porcelainized Steel Engraved Plaque Including Emblem Size 1-4 SF Each <i>For >5 To 10, Deduct</i> <i>For >10 Each, Deduct</i>	433.25 -46.37 -76.87	32.08
10 14 16 00-0006	SF	Stainless Steel Engraved Plaque Including Emblem Size 1-4 SF Each <i>For >5 To 10, Deduct</i> <i>For >10 Each, Deduct</i>	405.53 -43.32 -71.04	32.08
10 14 16 00-0007	SF	Brass Engraved Plaque Including Emblem Size 1-4 SF Each..... <i>For >5 To 10, Deduct</i> <i>For >10 Each, Deduct</i>	285.83 -30.16 -45.91	32.08
10 14 16 00-0008	SF	Aluminum Engraved Plaque Including Emblem Size 1-4 SF Each <i>For >5 To 10, Deduct</i> <i>For >10 Each, Deduct</i>	277.02 -29.19 -44.06	32.08
10 14 16 00-0009		Metal Built-Up Plaque (10 14 16)		
10 14 16 00-0010	SF	Bronze Built-up Plaque Note: Including Emblem Size 1-4 SF Each <i>For >5 To 10, Deduct</i> <i>For >10 Each, Deduct</i>	437.00 -46.47 -74.12	39.78
10 14 16 00-0011	SF	Copper And Bronze Built-up Plaque Note: Including Emblem Size 1-4 SF Each <i>For >5 To 10, Deduct</i> <i>For >10 Each, Deduct</i>	445.38 -47.39 -75.88	39.78
10 14 16 00-0012	SF	Copper And Aluminum Built-up Plaque Note: Including Emblem Size 1-4 SF Each <i>For >5 To 10, Deduct</i> <i>For >10 Each, Deduct</i>	446.43 -47.50 -76.10	39.78
10 14 16 00-0013	SF	Bronze Built-up Dedication Plaque Note: Including Raised Bronze Lettering <i>For >5 To 10, Deduct</i> <i>For >10 Each, Deduct</i>	502.71 -53.69 -87.92	80.21
10 14 16 00-0014	SF	Bronze Built-up Plaque Note: Including Raised Bronze Lettering <i>For >5 To 10, Deduct</i> <i>For >10 Each, Deduct</i>	432.85 -46.01 -73.25	80.21
10 14 16 00-0015		Metal Nameplate Plaques (10 14 16)		
10 14 16 00-0016	SF	Cast Bronze Nameplate Plaque Including Emblem Size 1-4 SF Each <i>For >5 To 10, Deduct</i> <i>For >10 Each, Deduct</i>	225.28 -23.92 -37.89	21.83
10 14 16 00-0017	SF	Cast Aluminum Nameplate Plaque Including Emblem Size 1-4 SF Each..... <i>For >5 To 10, Deduct</i> <i>For >10 Each, Deduct</i>	306.08 -32.81 -54.86	21.83
10 14 16 00-0018	EA	1-1/2" x 6" Engraved Bronze Nameplate Including Emblem Size 1-4 SF Each <i>For >5 To 10, Deduct</i> <i>For >10 Each, Deduct</i>	169.40 -17.78 -26.16	21.83
10 14 16 00-0019	EA	1-1/2" x 6" Engraved Aluminum Nameplate Including Emblem Size 1-4 SF Each..... <i>For >5 To 10, Deduct</i> <i>For >10 Each, Deduct</i>	161.19 -16.88 -24.44	21.83
10 14 16 00-0020	SF	Bronze Built-up Plaque Including Raised Bronze Lettering (3' x 9") <i>For >5 To 10, Deduct</i> <i>For >10 Each, Deduct</i>	422.87 -44.91 -71.16	80.21

10	10	Specialties
	10 10	Information Specialties
	10 14	Signage



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 14 19 **Dimensional Letter Signage** (10 14)
 Note: Mounted on masonry or concrete.

10 14 19 00-0001 **Cast Characters** (10 14 19)
 Note: Any font.

10 14 19 00-0002 **Satin Finish, Cast Aluminum Characters** (10 14 19 00-0001)

10 14 19 00-0003	EA	2" High x 3/8" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	55.42	8.03
		For Installation With Adhesive, Deduct	-5.98	
		For Clear Anodized, Add	2.33	
		For Satin Face And Enameled Return, Add	7.00	
		For Patina Finish, Add	9.34	
		For Color Anodized, Add	11.67	
10 14 19 00-0004	EA	3" High x 1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	65.18	8.66
		For Installation With Adhesive, Deduct	-6.73	
		For Clear Anodized, Add	3.05	
		For Satin Face And Enameled Return, Add	9.16	
		For Patina Finish, Add	12.21	
		For Color Anodized, Add	15.26	
10 14 19 00-0005	EA	4" High x 5/8" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	71.33	9.30
		For Installation With Adhesive, Deduct	-7.29	
		For Clear Anodized, Add	3.41	
		For Satin Face And Enameled Return, Add	10.23	
		For Patina Finish, Add	13.64	
		For Color Anodized, Add	17.06	
10 14 19 00-0006	EA	5" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	81.85	10.65
		For Installation With Adhesive, Deduct	-8.33	
		For Clear Anodized, Add	3.95	
		For Satin Face And Enameled Return, Add	11.85	
		For Patina Finish, Add	15.80	
		For Color Anodized, Add	19.75	
10 14 19 00-0007	EA	6" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	89.81	11.23
		For Installation With Adhesive, Deduct	-8.98	
		For Clear Anodized, Add	4.49	
		For Satin Face And Enameled Return, Add	13.47	
		For Patina Finish, Add	17.96	
		For Color Anodized, Add	22.45	
10 14 19 00-0008	EA	8" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	107.00	12.83
		For Installation With Adhesive, Deduct	-10.48	
		For Clear Anodized, Add	5.57	
		For Satin Face And Enameled Return, Add	16.70	
		For Patina Finish, Add	22.26	
		For Color Anodized, Add	27.83	
10 14 19 00-0009	EA	9" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	118.54	13.48
		For Installation With Adhesive, Deduct	-11.32	
		For Clear Anodized, Add	6.46	
		For Satin Face And Enameled Return, Add	19.39	
		For Patina Finish, Add	25.86	
		For Color Anodized, Add	32.32	
10 14 19 00-0010	EA	10" High x 1" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	134.96	14.44
		For Installation With Adhesive, Deduct	-12.52	
		For Clear Anodized, Add	7.72	
		For Satin Face And Enameled Return, Add	23.16	
		For Patina Finish, Add	30.88	
		For Color Anodized, Add	38.61	
10 14 19 00-0011	EA	12" High x 1" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	163.70	16.68
		For Installation With Adhesive, Deduct	-14.86	
		For Clear Anodized, Add	9.70	
		For Satin Face And Enameled Return, Add	29.09	
		For Patina Finish, Add	38.78	
		For Color Anodized, Add	48.48	
10 14 19 00-0012	EA	14" High x 1" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	195.50	19.25
		For Installation With Adhesive, Deduct	-17.48	
		For Clear Anodized, Add	11.85	
		For Satin Face And Enameled Return, Add	35.55	
		For Patina Finish, Add	47.40	
		For Color Anodized, Add	59.25	
10 14 19 00-0013	EA	15" High x 1-1/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	214.88	21.39
		For Installation With Adhesive, Deduct	-19.30	
		For Clear Anodized, Add	12.93	
		For Satin Face And Enameled Return, Add	38.78	
		For Patina Finish, Add	51.71	
		For Color Anodized, Add	64.64	
10 14 19 00-0014	EA	16" High x 1-1/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	239.64	23.10
		For Installation With Adhesive, Deduct	-21.22	
		For Clear Anodized, Add	14.72	
		For Satin Face And Enameled Return, Add	44.17	
		For Patina Finish, Add	58.89	
		For Color Anodized, Add	73.62	
10 14 19 00-0015	EA	18" High x 1-1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	289.40	25.66
		For Installation With Adhesive, Deduct	-24.74	
		For Clear Anodized, Add	18.67	
		For Satin Face And Enameled Return, Add	56.02	
		For Patina Finish, Add	74.69	
		For Color Anodized, Add	93.37	

			Specialties	10	10
			Information Specialties	10 10	
			Signage	10 14	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

10 14 19 00-0016	EA	20"	High x 1-1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	348.93	28.87
			For Installation With Adhesive, Deduct	-29.00	
			For Clear Anodized, Add	23.34	
			For Satin Face And Enameled Return, Add	70.03	
			For Patina Finish, Add	93.37	
			For Color Anodized, Add	116.71	
10 14 19 00-0017	EA	24"	High x 1-1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	419.21	32.08
			For Installation With Adhesive, Deduct	-33.79	
			For Clear Anodized, Add	29.09	
			For Satin Face And Enameled Return, Add	87.26	
			For Patina Finish, Add	116.35	
			For Color Anodized, Add	145.44	
10 14 19 00-0018 Satin Finish, Cast Bronze Characters (10 14 19 00-0001)					
10 14 19 00-0019	EA	2"	High x 3/8" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	66.54	8.83
			For Installation With Adhesive, Deduct	-6.86	
			For Oxidized Finish, Add	4.69	
			For Polished Or Patina Finish, Add	9.37	
10 14 19 00-0020	EA	3"	High x 1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	93.55	9.62
			For Installation With Adhesive, Deduct	-8.53	
			For Oxidized Finish, Add	8.26	
			For Polished Or Patina Finish, Add	16.51	
10 14 19 00-0021	EA	4"	High x 5/8" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	102.07	10.27
			For Installation With Adhesive, Deduct	-9.21	
			For Oxidized Finish, Add	9.15	
			For Polished Or Patina Finish, Add	18.30	
10 14 19 00-0022	EA	5"	High x 3/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	123.56	11.55
			For Installation With Adhesive, Deduct	-10.80	
			For Oxidized Finish, Add	11.60	
			For Polished Or Patina Finish, Add	23.21	
10 14 19 00-0023	EA	6"	High x 3/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	137.18	12.32
			For Installation With Adhesive, Deduct	-11.80	
			For Oxidized Finish, Add	13.17	
			For Polished Or Patina Finish, Add	26.33	
10 14 19 00-0024	EA	8"	High x 3/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	181.44	14.12
			For Installation With Adhesive, Deduct	-14.72	
			For Oxidized Finish, Add	18.75	
			For Polished Or Patina Finish, Add	37.49	
10 14 19 00-0025	EA	9"	High x 3/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	206.31	14.76
			For Installation With Adhesive, Deduct	-16.22	
			For Oxidized Finish, Add	22.09	
			For Polished Or Patina Finish, Add	44.18	
10 14 19 00-0026	EA	10"	High x 1" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	230.79	16.04
			For Installation With Adhesive, Deduct	-17.96	
			For Oxidized Finish, Add	24.99	
			For Polished Or Patina Finish, Add	49.99	
10 14 19 00-0027	EA	12"	High x 1" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	273.79	18.60
			For Installation With Adhesive, Deduct	-21.13	
			For Oxidized Finish, Add	29.90	
			For Polished Or Patina Finish, Add	59.81	
10 14 19 00-0028	EA	14"	High x 1" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	321.25	21.18
			For Installation With Adhesive, Deduct	-24.53	
			For Oxidized Finish, Add	35.48	
			For Polished Or Patina Finish, Add	70.96	
10 14 19 00-0029	EA	15"	High x 1-1/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	380.87	25.66
			For Installation With Adhesive, Deduct	-29.31	
			For Oxidized Finish, Add	41.73	
			For Polished Or Patina Finish, Add	83.46	
10 14 19 00-0030	EA	16"	High x 1-1/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	396.01	27.60
			For Installation With Adhesive, Deduct	-30.84	
			For Oxidized Finish, Add	42.85	
			For Polished Or Patina Finish, Add	85.69	
10 14 19 00-0031	EA	18"	High x 1-1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	558.28	32.08
			For Installation With Adhesive, Deduct	-40.75	
			For Oxidized Finish, Add	64.49	
			For Polished Or Patina Finish, Add	128.98	
10 14 19 00-0032	EA	20"	High x 1-1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	671.02	36.10
			For Installation With Adhesive, Deduct	-47.99	
			For Oxidized Finish, Add	79.00	
			For Polished Or Patina Finish, Add	157.99	
10 14 19 00-0033	EA	24"	High x 1-1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	851.18	41.71
			For Installation With Adhesive, Deduct	-59.24	
			For Oxidized Finish, Add	102.65	
			For Polished Or Patina Finish, Add	205.30	
10 14 19 00-0034 Molded Characters (10 14 19)					
Note: Any font.					
10 14 19 00-0035 Molded Plastic Characters (10 14 19 00-0034)					
10 14 19 00-0036	EA	4"	High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	41.83	6.42
			For Installation With Adhesive, Deduct	-4.66	
10 14 19 00-0037	EA	5"	High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	45.40	7.06
			For Installation With Adhesive, Deduct	-5.09	
10 14 19 00-0038	EA	6"	High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	50.06	7.70
			For Installation With Adhesive, Deduct	-5.58	
10 14 19 00-0039	EA	8"	High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	62.96	8.35
			For Installation With Adhesive, Deduct	-6.49	

10	10	Specialties
	10 10	Information Specialties
	10 14	Signage



		MINOR			TOTAL DIRECT	DEMOLITION
		CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
	10 14 19 00-0040	EA		9" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	68.01	8.98
				For Installation With Adhesive, Deduct	-6.99	
	10 14 19 00-0041	EA		10" High x 1" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	73.59	9.62
				For Installation With Adhesive, Deduct	-7.53	
	10 14 19 00-0042	EA		12" High x 1" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	85.77	11.23
				For Installation With Adhesive, Deduct	-8.78	
	10 14 19 00-0043	EA		15" High x 1" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	112.50	14.12
				For Installation With Adhesive, Deduct	-11.27	
	10 14 19 00-0044	EA		18" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	142.27	16.68
				For Installation With Adhesive, Deduct	-13.79	
	10 14 19 00-0045	EA		24" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	207.48	20.54
				For Installation With Adhesive, Deduct	-18.59	
	10 14 19 00-0046	EA		30" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	303.21	24.07
				For Installation With Adhesive, Deduct	-24.79	
	10 14 19 00-0047	EA		36" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	395.02	27.60
				For Installation With Adhesive, Deduct	-30.79	
	10 14 19 00-0048	EA		48" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	727.68	36.90
				For Installation With Adhesive, Deduct	-51.14	
	10 14 19 00-0049	Cutout Characters (10 14 19)				
		Note: Any font.				
	10 14 19 00-0050	Satin Finish, Aluminum Characters (10 14 19 00-0049)				
	10 14 19 00-0051	1/4" Deep, Satin Finish, Aluminum Characters (10 14 19 00-0050)				
	10 14 19 00-0052	EA		2" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	51.83	8.03
				For Installation With Adhesive, Deduct	-5.80	
				For Clear Anodized, Add	1.98	
				For Satin Face And Enameled Return, Add	6.91	
				For Color Anodized, Add	9.88	
				For Polished Or Patina Finish, Add	9.88	
				For Polished Anodized Finish, Add	14.81	
	10 14 19 00-0053	EA		4" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	71.33	9.30
				For Installation With Adhesive, Deduct	-7.29	
				For Clear Anodized, Add	3.41	
				For Satin Face And Enameled Return, Add	11.94	
				For Color Anodized, Add	17.06	
				For Polished Or Patina Finish, Add	17.06	
				For Polished Anodized Finish, Add	25.58	
	10 14 19 00-0054	EA		6" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	95.19	11.23
				For Installation With Adhesive, Deduct	-9.25	
				For Clear Anodized, Add	5.03	
				For Satin Face And Enameled Return, Add	17.59	
				For Color Anodized, Add	25.14	
				For Polished Or Patina Finish, Add	25.14	
				For Polished Anodized Finish, Add	37.70	
	10 14 19 00-0055	EA		8" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	115.98	12.83
				For Installation With Adhesive, Deduct	-10.93	
				For Clear Anodized, Add	6.46	
				For Satin Face And Enameled Return, Add	22.62	
				For Color Anodized, Add	32.32	
				For Polished Or Patina Finish, Add	32.32	
				For Polished Anodized Finish, Add	48.48	
	10 14 19 00-0056	EA		10" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	133.16	14.44
				For Installation With Adhesive, Deduct	-12.43	
				For Clear Anodized, Add	7.54	
				For Satin Face And Enameled Return, Add	26.39	
				For Color Anodized, Add	37.71	
				For Polished Or Patina Finish, Add	37.71	
				For Polished Anodized Finish, Add	56.56	
	10 14 19 00-0057	EA		12" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	152.92	16.68
				For Installation With Adhesive, Deduct	-14.32	
				For Clear Anodized, Add	8.62	
				For Satin Face And Enameled Return, Add	30.16	
				For Color Anodized, Add	43.09	
				For Polished Or Patina Finish, Add	43.09	
				For Polished Anodized Finish, Add	64.64	
	10 14 19 00-0058	EA		14" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	179.34	19.25
				For Installation With Adhesive, Deduct	-16.67	
				For Clear Anodized, Add	10.23	
				For Satin Face And Enameled Return, Add	35.82	
				For Color Anodized, Add	51.17	
				For Polished Or Patina Finish, Add	51.17	
				For Polished Anodized Finish, Add	76.76	
	10 14 19 00-0059	EA		16" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	212.71	23.10
				For Installation With Adhesive, Deduct	-19.88	
				For Clear Anodized, Add	12.03	
				For Satin Face And Enameled Return, Add	42.11	
				For Color Anodized, Add	60.15	
				For Polished Or Patina Finish, Add	60.15	
				For Polished Anodized Finish, Add	90.23	
	10 14 19 00-0060	EA		18" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	239.13	25.66
				For Installation With Adhesive, Deduct	-22.22	
				For Clear Anodized, Add	13.65	
				For Satin Face And Enameled Return, Add	47.76	
				For Color Anodized, Add	68.23	
				For Polished Or Patina Finish, Add	68.23	
				For Polished Anodized Finish, Add	102.35	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0061	EA	20" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	286.08	28.87
		For Installation With Adhesive, Deduct	-25.86	
		For Clear Anodized, Add	17.06	
		For Satin Face And Enameled Return, Add	59.70	
		For Color Anodized, Add	85.29	
		For Polished Or Patina Finish, Add	85.29	
		For Polished Anodized Finish, Add	127.93	
10 14 19 00-0062	EA	22" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	326.62	30.48
		For Installation With Adhesive, Deduct	-28.52	
		For Clear Anodized, Add	20.47	
		For Satin Face And Enameled Return, Add	71.64	
		For Color Anodized, Add	102.35	
		For Polished Or Patina Finish, Add	102.35	
		For Polished Anodized Finish, Add	153.52	
10 14 19 00-0063	EA	24" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	401.26	32.08
		For Installation With Adhesive, Deduct	-32.90	
		For Clear Anodized, Add	27.29	
		For Satin Face And Enameled Return, Add	95.52	
		For Color Anodized, Add	136.46	
		For Polished Or Patina Finish, Add	136.46	
		For Polished Anodized Finish, Add	204.69	
10 14 19 00-0064	EA	30" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	569.97	38.51
		For Installation With Adhesive, Deduct	-43.90	
		For Clear Anodized, Add	41.60	
		For Satin Face And Enameled Return, Add	145.59	
		For Color Anodized, Add	207.98	
		For Polished Or Patina Finish, Add	207.98	
		For Polished Anodized Finish, Add	311.97	
10 14 19 00-0065		3/8" Deep, Satin Finish, Aluminum Characters (10 14 19 00-0050)		
10 14 19 00-0066	EA	2" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	64.47	8.03
		For Installation With Adhesive, Deduct	-6.43	
		For Clear Anodized, Add	3.24	
		For Satin Face And Enameled Return, Add	11.34	
		For Color Anodized, Add	16.20	
		For Polished Or Patina Finish, Add	16.20	
		For Polished Anodized Finish, Add	24.29	
10 14 19 00-0067	EA	4" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	91.12	9.30
		For Installation With Adhesive, Deduct	-8.28	
		For Clear Anodized, Add	5.39	
		For Satin Face And Enameled Return, Add	18.87	
		For Color Anodized, Add	26.95	
		For Polished Or Patina Finish, Add	26.95	
		For Polished Anodized Finish, Add	40.43	
10 14 19 00-0068	EA	6" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	114.80	11.23
		For Installation With Adhesive, Deduct	-10.23	
		For Clear Anodized, Add	6.99	
		For Satin Face And Enameled Return, Add	24.46	
		For Color Anodized, Add	34.94	
		For Polished Or Patina Finish, Add	34.94	
		For Polished Anodized Finish, Add	52.41	
10 14 19 00-0069	EA	8" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	143.13	12.83
		For Installation With Adhesive, Deduct	-12.29	
		For Clear Anodized, Add	9.18	
		For Satin Face And Enameled Return, Add	32.13	
		For Color Anodized, Add	45.90	
		For Polished Or Patina Finish, Add	45.90	
		For Polished Anodized Finish, Add	68.84	
10 14 19 00-0070	EA	10" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	165.59	14.44
		For Installation With Adhesive, Deduct	-14.05	
		For Clear Anodized, Add	10.78	
		For Satin Face And Enameled Return, Add	37.74	
		For Color Anodized, Add	53.92	
		For Polished Or Patina Finish, Add	53.92	
		For Polished Anodized Finish, Add	80.88	
10 14 19 00-0071	EA	12" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	194.29	16.68
		For Installation With Adhesive, Deduct	-16.39	
		For Clear Anodized, Add	12.76	
		For Satin Face And Enameled Return, Add	44.64	
		For Color Anodized, Add	63.78	
		For Polished Or Patina Finish, Add	63.78	
		For Polished Anodized Finish, Add	95.66	
10 14 19 00-0072	EA	14" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	227.44	19.25
		For Installation With Adhesive, Deduct	-19.07	
		For Clear Anodized, Add	15.04	
		For Satin Face And Enameled Return, Add	52.65	
		For Color Anodized, Add	75.22	
		For Polished Or Patina Finish, Add	75.22	
		For Polished Anodized Finish, Add	112.83	
10 14 19 00-0073	EA	16" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	281.28	23.10
		For Installation With Adhesive, Deduct	-23.31	
		For Clear Anodized, Add	18.89	
		For Satin Face And Enameled Return, Add	66.10	
		For Color Anodized, Add	94.44	
		For Polished Or Patina Finish, Add	94.44	
		For Polished Anodized Finish, Add	141.65	

10	10	Specialties
	10 10	Information Specialties
	10 14	Signage



MINOR		DESCRIPTION	TOTAL DIRECT		DEMOLITION
CSI	UOM		UNIT COST	UNIT COST	
10 14 19 00-0074	EA	18" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	325.10		25.66
		For Installation With Adhesive, Deduct	-26.52		
		For Clear Anodized, Add	22.24		
		For Satin Face And Enameled Return, Add	77.85		
		For Color Anodized, Add	111.22		
		For Polished Or Patina Finish, Add	111.22		
		For Polished Anodized Finish, Add	166.82		
10 14 19 00-0075	EA	20" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	376.49		28.87
		For Installation With Adhesive, Deduct	-30.38		
		For Clear Anodized, Add	26.10		
		For Satin Face And Enameled Return, Add	91.34		
		For Color Anodized, Add	130.49		
		For Polished Or Patina Finish, Add	130.49		
		For Polished Anodized Finish, Add	195.74		
10 14 19 00-0076	EA	22" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	420.77		30.48
		For Installation With Adhesive, Deduct	-33.23		
		For Clear Anodized, Add	29.88		
		For Satin Face And Enameled Return, Add	104.59		
		For Color Anodized, Add	149.42		
		For Polished Or Patina Finish, Add	149.42		
		For Polished Anodized Finish, Add	224.13		
10 14 19 00-0077	EA	24" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	466.76		32.08
		For Installation With Adhesive, Deduct	-36.17		
		For Clear Anodized, Add	33.84		
		For Satin Face And Enameled Return, Add	118.45		
		For Color Anodized, Add	169.21		
		For Polished Or Patina Finish, Add	169.21		
		For Polished Anodized Finish, Add	253.82		
10 14 19 00-0078	EA	30" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	638.79		38.51
		For Installation With Adhesive, Deduct	-47.34		
		For Clear Anodized, Add	48.48		
		For Satin Face And Enameled Return, Add	169.67		
		For Color Anodized, Add	242.39		
		For Polished Or Patina Finish, Add	242.39		
		For Polished Anodized Finish, Add	363.59		
10 14 19 00-0079		1/2" Deep, Satin Finish, Aluminum Characters (10 14 19 00-0050)			
10 14 19 00-0080	EA	2" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	79.09		8.03
		For Installation With Adhesive, Deduct	-7.16		
		For Clear Anodized, Add	4.70		
		For Satin Face And Enameled Return, Add	16.45		
		For Color Anodized, Add	23.51		
		For Polished Or Patina Finish, Add	23.51		
		For Polished Anodized Finish, Add	35.26		
10 14 19 00-0081	EA	4" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	101.70		9.30
		For Installation With Adhesive, Deduct	-8.81		
		For Clear Anodized, Add	6.45		
		For Satin Face And Enameled Return, Add	22.57		
		For Color Anodized, Add	32.24		
		For Polished Or Patina Finish, Add	32.24		
		For Polished Anodized Finish, Add	48.36		
10 14 19 00-0082	EA	6" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	127.37		11.23
		For Installation With Adhesive, Deduct	-10.86		
		For Clear Anodized, Add	8.25		
		For Satin Face And Enameled Return, Add	28.86		
		For Color Anodized, Add	41.23		
		For Polished Or Patina Finish, Add	41.23		
		For Polished Anodized Finish, Add	61.84		
10 14 19 00-0083	EA	8" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	150.24		12.83
		For Installation With Adhesive, Deduct	-12.65		
		For Clear Anodized, Add	9.89		
		For Satin Face And Enameled Return, Add	34.62		
		For Color Anodized, Add	49.45		
		For Polished Or Patina Finish, Add	49.45		
		For Polished Anodized Finish, Add	74.18		
10 14 19 00-0084	EA	10" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	174.64		14.44
		For Installation With Adhesive, Deduct	-14.51		
		For Clear Anodized, Add	11.69		
		For Satin Face And Enameled Return, Add	40.91		
		For Color Anodized, Add	58.45		
		For Polished Or Patina Finish, Add	58.45		
		For Polished Anodized Finish, Add	87.67		
10 14 19 00-0085	EA	12" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	214.11		16.68
		For Installation With Adhesive, Deduct	-17.38		
		For Clear Anodized, Add	14.74		
		For Satin Face And Enameled Return, Add	51.58		
		For Color Anodized, Add	73.69		
		For Polished Or Patina Finish, Add	73.69		
		For Polished Anodized Finish, Add	110.53		
10 14 19 00-0086	EA	14" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	263.27		19.25
		For Installation With Adhesive, Deduct	-20.86		
		For Clear Anodized, Add	18.63		
		For Satin Face And Enameled Return, Add	65.19		
		For Color Anodized, Add	93.14		
		For Polished Or Patina Finish, Add	93.14		
		For Polished Anodized Finish, Add	139.70		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0087	EA	16" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	318.57	23.10
		For Installation With Adhesive, Deduct	-25.17	
		For Clear Anodized, Add	22.62	
		For Satin Face And Enameled Return, Add	79.16	
		For Color Anodized, Add	113.08	
		For Polished Or Patina Finish, Add	113.08	
		For Polished Anodized Finish, Add	169.62	
10 14 19 00-0088	EA	18" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	385.14	25.66
		For Installation With Adhesive, Deduct	-29.52	
		For Clear Anodized, Add	28.25	
		For Satin Face And Enameled Return, Add	98.86	
		For Color Anodized, Add	141.24	
		For Polished Or Patina Finish, Add	141.24	
		For Polished Anodized Finish, Add	211.85	
10 14 19 00-0089	EA	20" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	453.24	28.87
		For Installation With Adhesive, Deduct	-34.21	
		For Clear Anodized, Add	33.77	
		For Satin Face And Enameled Return, Add	118.21	
		For Color Anodized, Add	168.87	
		For Polished Or Patina Finish, Add	168.87	
		For Polished Anodized Finish, Add	253.30	
10 14 19 00-0090	EA	22" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	519.02	30.48
		For Installation With Adhesive, Deduct	-38.14	
		For Clear Anodized, Add	39.71	
		For Satin Face And Enameled Return, Add	138.98	
		For Color Anodized, Add	198.55	
		For Polished Or Patina Finish, Add	198.55	
		For Polished Anodized Finish, Add	297.82	
10 14 19 00-0091	EA	24" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	581.38	32.08
		For Installation With Adhesive, Deduct	-41.90	
		For Clear Anodized, Add	45.30	
		For Satin Face And Enameled Return, Add	158.56	
		For Color Anodized, Add	226.52	
		For Polished Or Patina Finish, Add	226.52	
		For Polished Anodized Finish, Add	339.78	
10 14 19 00-0092	EA	30" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	803.62	38.51
		For Installation With Adhesive, Deduct	-55.58	
		For Clear Anodized, Add	64.96	
		For Satin Face And Enameled Return, Add	227.36	
		For Color Anodized, Add	324.81	
		For Polished Or Patina Finish, Add	324.81	
		For Polished Anodized Finish, Add	487.21	
10 14 19 00-0093		3/4" Deep, Satin Finish, Aluminum Characters (10 14 19 00-0050)		
10 14 19 00-0094	EA	2" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	82.44	8.03
		For Installation With Adhesive, Deduct	-7.33	
		For Clear Anodized, Add	5.04	
		For Satin Face And Enameled Return, Add	17.63	
		For Color Anodized, Add	25.18	
		For Polished Or Patina Finish, Add	25.18	
		For Polished Anodized Finish, Add	37.77	
10 14 19 00-0095	EA	4" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	105.45	9.30
		For Installation With Adhesive, Deduct	-8.99	
		For Clear Anodized, Add	6.82	
		For Satin Face And Enameled Return, Add	23.88	
		For Color Anodized, Add	34.12	
		For Polished Or Patina Finish, Add	34.12	
		For Polished Anodized Finish, Add	51.17	
10 14 19 00-0096	EA	6" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	138.43	11.23
		For Installation With Adhesive, Deduct	-11.41	
		For Clear Anodized, Add	9.35	
		For Satin Face And Enameled Return, Add	32.73	
		For Color Anodized, Add	46.76	
		For Polished Or Patina Finish, Add	46.76	
		For Polished Anodized Finish, Add	70.13	
10 14 19 00-0097	EA	8" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	182.56	12.83
		For Installation With Adhesive, Deduct	-14.26	
		For Clear Anodized, Add	13.12	
		For Satin Face And Enameled Return, Add	45.93	
		For Color Anodized, Add	65.61	
		For Polished Or Patina Finish, Add	65.61	
		For Polished Anodized Finish, Add	98.42	
10 14 19 00-0098	EA	10" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	228.18	14.44
		For Installation With Adhesive, Deduct	-17.18	
		For Clear Anodized, Add	17.04	
		For Satin Face And Enameled Return, Add	59.65	
		For Color Anodized, Add	85.22	
		For Polished Or Patina Finish, Add	85.22	
		For Polished Anodized Finish, Add	127.82	
10 14 19 00-0099	EA	12" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	285.65	16.68
		For Installation With Adhesive, Deduct	-20.96	
		For Clear Anodized, Add	21.89	
		For Satin Face And Enameled Return, Add	76.62	
		For Color Anodized, Add	109.46	
		For Polished Or Patina Finish, Add	109.46	
		For Polished Anodized Finish, Add	164.18	

10	10	Specialties
	10 10	Information Specialties
	10 14	Signage



MINOR		DESCRIPTION	TOTAL DIRECT		DEMOLITION
CSI	UOM		UNIT COST	UNIT COST	
10 14 19 00-0100	EA	14" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	355.37		19.25
		For Installation With Adhesive, Deduct	-25.47		
		For Clear Anodized, Add	27.84		
		For Satin Face And Enameled Return, Add	97.43		
		For Color Anodized, Add	139.19		
		For Polished Or Patina Finish, Add	139.19		
		For Polished Anodized Finish, Add	208.78		
10 14 19 00-0101	EA	16" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	438.87		23.10
		For Installation With Adhesive, Deduct	-31.18		
		For Clear Anodized, Add	34.65		
		For Satin Face And Enameled Return, Add	121.26		
		For Color Anodized, Add	173.23		
		For Polished Or Patina Finish, Add	173.23		
		For Polished Anodized Finish, Add	259.85		
10 14 19 00-0102	EA	18" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	535.24		25.66
		For Installation With Adhesive, Deduct	-37.03		
		For Clear Anodized, Add	43.26		
		For Satin Face And Enameled Return, Add	151.40		
		For Color Anodized, Add	216.29		
		For Polished Or Patina Finish, Add	216.29		
		For Polished Anodized Finish, Add	324.43		
10 14 19 00-0103	EA	20" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	635.76		28.87
		For Installation With Adhesive, Deduct	-43.34		
		For Clear Anodized, Add	52.03		
		For Satin Face And Enameled Return, Add	182.09		
		For Color Anodized, Add	260.13		
		For Polished Or Patina Finish, Add	260.13		
		For Polished Anodized Finish, Add	390.19		
10 14 19 00-0104	EA	22" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	735.99		30.48
		For Installation With Adhesive, Deduct	-48.99		
		For Clear Anodized, Add	61.41		
		For Satin Face And Enameled Return, Add	214.92		
		For Color Anodized, Add	307.03		
		For Polished Or Patina Finish, Add	307.03		
		For Polished Anodized Finish, Add	460.55		
10 14 19 00-0105	EA	24" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	840.65		32.08
		For Installation With Adhesive, Deduct	-54.87		
		For Clear Anodized, Add	71.23		
		For Satin Face And Enameled Return, Add	249.31		
		For Color Anodized, Add	356.16		
		For Polished Or Patina Finish, Add	356.16		
		For Polished Anodized Finish, Add	534.23		
10 14 19 00-0106	EA	30" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	1,152.67		38.51
		For Installation With Adhesive, Deduct	-73.03		
		For Clear Anodized, Add	99.87		
		For Satin Face And Enameled Return, Add	349.53		
		For Color Anodized, Add	499.33		
		For Polished Or Patina Finish, Add	499.33		
		For Polished Anodized Finish, Add	749.00		
10 14 19 00-0107		1" Deep, Satin Finish, Aluminum Characters (10 14 19 00-0050)			
10 14 19 00-0108	EA	2" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	91.33		8.03
		For Installation With Adhesive, Deduct	-7.77		
		For Clear Anodized, Add	5.93		
		For Satin Face And Enameled Return, Add	20.74		
		For Color Anodized, Add	29.63		
		For Polished Or Patina Finish, Add	29.63		
		For Polished Anodized Finish, Add	44.44		
10 14 19 00-0109	EA	4" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	112.61		9.30
		For Installation With Adhesive, Deduct	-9.35		
		For Clear Anodized, Add	7.54		
		For Satin Face And Enameled Return, Add	26.39		
		For Color Anodized, Add	37.70		
		For Polished Or Patina Finish, Add	37.70		
		For Polished Anodized Finish, Add	56.54		
10 14 19 00-0110	EA	6" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	147.48		11.23
		For Installation With Adhesive, Deduct	-11.87		
		For Clear Anodized, Add	10.26		
		For Satin Face And Enameled Return, Add	35.90		
		For Color Anodized, Add	51.28		
		For Polished Or Patina Finish, Add	51.28		
		For Polished Anodized Finish, Add	76.92		
10 14 19 00-0111	EA	8" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	200.65		12.83
		For Installation With Adhesive, Deduct	-15.17		
		For Clear Anodized, Add	14.93		
		For Satin Face And Enameled Return, Add	52.26		
		For Color Anodized, Add	74.66		
		For Polished Or Patina Finish, Add	74.66		
		For Polished Anodized Finish, Add	111.98		
10 14 19 00-0112	EA	10" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	271.16		14.44
		For Installation With Adhesive, Deduct	-19.33		
		For Clear Anodized, Add	21.34		
		For Satin Face And Enameled Return, Add	74.69		
		For Color Anodized, Add	106.71		
		For Polished Or Patina Finish, Add	106.71		
		For Polished Anodized Finish, Add	160.06		

			Specialties	10
			Information Specialties	10 10
			Signage	10 14
MINOR	CSI	UOM	TOTAL DIRECT	DEMOLITION
		DESCRIPTION	UNIT COST	UNIT COST

10 14 19 00-0113	EA	12" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	353.73	16.68
		For Installation With Adhesive, Deduct	-24.36	
		For Clear Anodized, Add	28.70	
		For Satin Face And Enameled Return, Add	100.45	
		For Color Anodized, Add	143.50	
		For Polished Or Patina Finish, Add	143.50	
		For Polished Anodized Finish, Add	215.24	
10 14 19 00-0114	EA	14" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	446.46	19.25
		For Installation With Adhesive, Deduct	-30.02	
		For Clear Anodized, Add	36.95	
		For Satin Face And Enameled Return, Add	129.31	
		For Color Anodized, Add	184.73	
		For Polished Or Patina Finish, Add	184.73	
		For Polished Anodized Finish, Add	277.10	
10 14 19 00-0115	EA	16" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	554.36	23.10
		For Installation With Adhesive, Deduct	-36.96	
		For Clear Anodized, Add	46.20	
		For Satin Face And Enameled Return, Add	161.68	
		For Color Anodized, Add	230.98	
		For Polished Or Patina Finish, Add	230.98	
		For Polished Anodized Finish, Add	346.46	
10 14 19 00-0116	EA	18" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	670.34	25.66
		For Installation With Adhesive, Deduct	-43.78	
		For Clear Anodized, Add	56.77	
		For Satin Face And Enameled Return, Add	198.68	
		For Color Anodized, Add	283.84	
		For Polished Or Patina Finish, Add	283.84	
		For Polished Anodized Finish, Add	425.75	
10 14 19 00-0117	EA	20" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	823.39	28.87
		For Installation With Adhesive, Deduct	-52.72	
		For Clear Anodized, Add	70.79	
		For Satin Face And Enameled Return, Add	247.76	
		For Color Anodized, Add	353.94	
		For Polished Or Patina Finish, Add	353.94	
		For Polished Anodized Finish, Add	530.91	
10 14 19 00-0118	EA	22" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	979.57	30.48
		For Installation With Adhesive, Deduct	-61.17	
		For Clear Anodized, Add	85.76	
		For Satin Face And Enameled Return, Add	300.17	
		For Color Anodized, Add	428.82	
		For Polished Or Patina Finish, Add	428.82	
		For Polished Anodized Finish, Add	643.23	
10 14 19 00-0119	EA	24" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	1,154.50	32.08
		For Installation With Adhesive, Deduct	-70.56	
		For Clear Anodized, Add	102.62	
		For Satin Face And Enameled Return, Add	359.16	
		For Color Anodized, Add	513.08	
		For Polished Or Patina Finish, Add	513.08	
		For Polished Anodized Finish, Add	769.62	
10 14 19 00-0120	EA	30" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	1,627.76	38.51
		For Installation With Adhesive, Deduct	-96.79	
		For Clear Anodized, Add	147.38	
		For Satin Face And Enameled Return, Add	515.81	
		For Color Anodized, Add	736.88	
		For Polished Or Patina Finish, Add	736.88	
		For Polished Anodized Finish, Add	1,105.31	
10 14 19 00-0121		Satin Finish, Brass Characters (10 14 19 00-0049)		
10 14 19 00-0122		1/4" Deep, Satin Finish, Brass Characters (10 14 19 00-0121)		
10 14 19 00-0123	EA	2" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	68.53	8.03
		For Installation With Adhesive, Deduct	-6.63	
		For Oxidized Finish, Add	5.47	
		For Polished Finish, Add	10.94	
10 14 19 00-0124	EA	4" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	87.95	9.30
		For Installation With Adhesive, Deduct	-8.12	
		For Oxidized Finish, Add	7.61	
		For Polished Finish, Add	15.22	
10 14 19 00-0125	EA	6" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	120.43	11.23
		For Installation With Adhesive, Deduct	-10.51	
		For Oxidized Finish, Add	11.33	
		For Polished Finish, Add	22.65	
10 14 19 00-0126	EA	8" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	156.80	12.83
		For Installation With Adhesive, Deduct	-12.97	
		For Oxidized Finish, Add	15.82	
		For Polished Finish, Add	31.64	
10 14 19 00-0127	EA	10" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	199.66	14.44
		For Installation With Adhesive, Deduct	-15.76	
		For Oxidized Finish, Add	21.29	
		For Polished Finish, Add	42.57	
10 14 19 00-0128	EA	12" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	251.62	16.68
		For Installation With Adhesive, Deduct	-19.26	
		For Oxidized Finish, Add	27.73	
		For Polished Finish, Add	55.46	
10 14 19 00-0129	EA	14" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	313.95	19.25
		For Installation With Adhesive, Deduct	-23.40	
		For Oxidized Finish, Add	35.54	
		For Polished Finish, Add	71.09	

10 Specialties**10 10 Information Specialties****10 14 Signage**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

10 14 19 00-0130	EA	16" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	382.74	23.10
		For Installation With Adhesive, Deduct	-28.38	
		For Oxidized Finish, Add	43.55	
		For Polished Finish, Add	87.10	
10 14 19 00-0131	EA	18" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	463.49	25.66
		For Installation With Adhesive, Deduct	-33.44	
		For Oxidized Finish, Add	54.12	
		For Polished Finish, Add	108.25	
10 14 19 00-0132	EA	20" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	550.36	28.87
		For Installation With Adhesive, Deduct	-39.07	
		For Oxidized Finish, Add	65.23	
		For Polished Finish, Add	130.46	
10 14 19 00-0133	EA	22" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	673.95	30.48
		For Installation With Adhesive, Deduct	-45.89	
		For Oxidized Finish, Add	82.80	
		For Polished Finish, Add	165.61	
10 14 19 00-0134	EA	24" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	738.39	32.08
		For Installation With Adhesive, Deduct	-49.75	
		For Oxidized Finish, Add	91.51	
		For Polished Finish, Add	183.02	
10 14 19 00-0135	EA	30" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,105.23	38.51
		For Installation With Adhesive, Deduct	-70.66	
		For Oxidized Finish, Add	142.68	
		For Polished Finish, Add	285.37	

10 14 19 00-0136 3/8" Deep, Satin Finish, Brass Characters (10 14 19 00-0121)

10 14 19 00-0137	EA	2" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	81.29	8.03
		For Installation With Adhesive, Deduct	-7.27	
		For Oxidized Finish, Add	7.38	
		For Polished Finish, Add	14.76	
10 14 19 00-0138	EA	4" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	105.70	9.30
		For Installation With Adhesive, Deduct	-9.01	
		For Oxidized Finish, Add	10.27	
		For Polished Finish, Add	20.54	
10 14 19 00-0139	EA	6" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	150.64	11.23
		For Installation With Adhesive, Deduct	-12.02	
		For Oxidized Finish, Add	15.86	
		For Polished Finish, Add	31.72	
10 14 19 00-0140	EA	8" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	198.98	12.83
		For Installation With Adhesive, Deduct	-15.08	
		For Oxidized Finish, Add	22.15	
		For Polished Finish, Add	44.29	
10 14 19 00-0141	EA	10" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	263.52	14.44
		For Installation With Adhesive, Deduct	-18.95	
		For Oxidized Finish, Add	30.87	
		For Polished Finish, Add	61.73	
10 14 19 00-0142	EA	12" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	334.81	16.68
		For Installation With Adhesive, Deduct	-23.41	
		For Oxidized Finish, Add	40.21	
		For Polished Finish, Add	80.42	
10 14 19 00-0143	EA	14" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	420.58	19.25
		For Installation With Adhesive, Deduct	-28.73	
		For Oxidized Finish, Add	51.54	
		For Polished Finish, Add	103.07	
10 14 19 00-0144	EA	16" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	498.88	23.10
		For Installation With Adhesive, Deduct	-34.19	
		For Oxidized Finish, Add	60.97	
		For Polished Finish, Add	121.94	
10 14 19 00-0145	EA	18" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	625.86	25.66
		For Installation With Adhesive, Deduct	-41.56	
		For Oxidized Finish, Add	78.48	
		For Polished Finish, Add	156.96	
10 14 19 00-0146	EA	20" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	724.30	28.87
		For Installation With Adhesive, Deduct	-47.77	
		For Oxidized Finish, Add	91.32	
		For Polished Finish, Add	182.64	
10 14 19 00-0147	EA	22" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	889.24	30.48
		For Installation With Adhesive, Deduct	-56.66	
		For Oxidized Finish, Add	115.10	
		For Polished Finish, Add	230.19	
10 14 19 00-0148	EA	24" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,012.92	32.08
		For Installation With Adhesive, Deduct	-63.48	
		For Oxidized Finish, Add	132.69	
		For Polished Finish, Add	265.37	
10 14 19 00-0149	EA	30" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,400.11	38.51
		For Installation With Adhesive, Deduct	-85.41	
		For Oxidized Finish, Add	186.92	
		For Polished Finish, Add	373.83	

10 14 19 00-0150 1/2" Deep, Satin Finish, Brass Characters (10 14 19 00-0121)

10 14 19 00-0151	EA	2" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	101.34	8.03
		For Installation With Adhesive, Deduct	-8.28	
		For Oxidized Finish, Add	10.39	
		For Polished Finish, Add	20.78	
10 14 19 00-0152	EA	4" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	131.06	9.30
		For Installation With Adhesive, Deduct	-10.28	
		For Oxidized Finish, Add	14.08	
		For Polished Finish, Add	28.15	

Specialties			10
Information Specialties			10 10
Signage			10 14

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0153	EA	6" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	188.39	11.23	
		For Installation With Adhesive, Deduct	-13.91		
		For Oxidized Finish, Add	21.52		
		For Polished Finish, Add	43.04		
10 14 19 00-0154	EA	8" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	256.98	12.83	
		For Installation With Adhesive, Deduct	-17.98		
		For Oxidized Finish, Add	30.85		
		For Polished Finish, Add	61.69		
10 14 19 00-0155	EA	10" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	355.76	14.44	
		For Installation With Adhesive, Deduct	-23.56		
		For Oxidized Finish, Add	44.70		
		For Polished Finish, Add	89.40		
10 14 19 00-0156	EA	12" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	473.47	16.68	
		For Installation With Adhesive, Deduct	-30.35		
		For Oxidized Finish, Add	61.01		
		For Polished Finish, Add	122.02		
10 14 19 00-0157	EA	14" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	586.45	19.25	
		For Installation With Adhesive, Deduct	-37.02		
		For Oxidized Finish, Add	76.42		
		For Polished Finish, Add	152.84		
10 14 19 00-0158	EA	16" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	699.21	23.10	
		For Installation With Adhesive, Deduct	-44.20		
		For Oxidized Finish, Add	91.02		
		For Polished Finish, Add	182.04		
10 14 19 00-0159	EA	18" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	950.61	25.66	
		For Installation With Adhesive, Deduct	-57.80		
		For Oxidized Finish, Add	127.19		
		For Polished Finish, Add	254.38		
10 14 19 00-0160	EA	20" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,072.18	28.87	
		For Installation With Adhesive, Deduct	-65.16		
		For Oxidized Finish, Add	143.50		
		For Polished Finish, Add	287.00		
10 14 19 00-0161	EA	22" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,336.38	30.48	
		For Installation With Adhesive, Deduct	-79.01		
		For Oxidized Finish, Add	182.17		
		For Polished Finish, Add	364.34		
10 14 19 00-0162	EA	24" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,561.96	32.08	
		For Installation With Adhesive, Deduct	-90.93		
		For Oxidized Finish, Add	215.04		
		For Polished Finish, Add	430.09		
10 14 19 00-0163	EA	30" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	2,351.34	38.51	
		For Installation With Adhesive, Deduct	-132.97		
		For Oxidized Finish, Add	329.60		
		For Polished Finish, Add	659.20		
10 14 19 00-0164		3/4" Deep, Satin Finish, Brass Characters (10 14 19 00-0121)			
10 14 19 00-0165	EA	2" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	123.22	8.03	
		For Installation With Adhesive, Deduct	-9.37		
		For Oxidized Finish, Add	13.67		
		For Polished Finish, Add	27.34		
10 14 19 00-0166	EA	4" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	171.64	9.30	
		For Installation With Adhesive, Deduct	-12.30		
		For Oxidized Finish, Add	20.16		
		For Polished Finish, Add	40.33		
10 14 19 00-0167	EA	6" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	233.70	11.23	
		For Installation With Adhesive, Deduct	-16.18		
		For Oxidized Finish, Add	28.32		
		For Polished Finish, Add	56.63		
10 14 19 00-0168	EA	8" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	314.98	12.83	
		For Installation With Adhesive, Deduct	-20.88		
		For Oxidized Finish, Add	39.55		
		For Polished Finish, Add	79.09		
10 14 19 00-0169	EA	10" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	426.72	14.44	
		For Installation With Adhesive, Deduct	-27.11		
		For Oxidized Finish, Add	55.35		
		For Polished Finish, Add	110.69		
10 14 19 00-0170	EA	12" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	584.39	16.68	
		For Installation With Adhesive, Deduct	-35.89		
		For Oxidized Finish, Add	77.65		
		For Polished Finish, Add	155.30		
10 14 19 00-0171	EA	14" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	728.62	19.25	
		For Installation With Adhesive, Deduct	-44.13		
		For Oxidized Finish, Add	97.74		
		For Polished Finish, Add	195.49		
10 14 19 00-0172	EA	16" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	850.18	23.10	
		For Installation With Adhesive, Deduct	-51.75		
		For Oxidized Finish, Add	113.67		
		For Polished Finish, Add	227.33		
10 14 19 00-0173	EA	18" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,131.02	25.66	
		For Installation With Adhesive, Deduct	-66.82		
		For Oxidized Finish, Add	154.25		
		For Polished Finish, Add	308.51		
10 14 19 00-0174	EA	20" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,237.42	28.87	
		For Installation With Adhesive, Deduct	-73.42		
		For Oxidized Finish, Add	168.29		
		For Polished Finish, Add	336.57		

10	10	Specialties
	10 10	Information Specialties
	10 14	Signage



MINOR		DESCRIPTION	TOTAL DIRECT		DEMOLITION
CSI	UOM		UNIT COST	UNIT COST	
10 14 19 00-0175	EA	22" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,568.23		30.48
		For Installation With Adhesive, Deduct	-90.60		
		For Oxidized Finish, Add	216.95		
		For Polished Finish, Add	433.89		
10 14 19 00-0176	EA	24" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,989.00		32.08
		For Installation With Adhesive, Deduct	-112.28		
		For Oxidized Finish, Add	279.10		
		For Polished Finish, Add	558.20		
10 14 19 00-0177	EA	30" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	2,998.17		38.51
		For Installation With Adhesive, Deduct	-165.31		
		For Oxidized Finish, Add	426.62		
		For Polished Finish, Add	853.25		
10 14 19 00-0178 Satin Finish, Bronze Characters (10 14 19 00-0049)					
10 14 19 00-0179 1/4" Deep, Satin Finish, Bronze Characters (10 14 19 00-0178)					
10 14 19 00-0180	EA	2" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	72.58		8.03
		For Installation With Adhesive, Deduct	-6.84		
		For Oxidized Finish, Add	6.08		
		For Polished Or Patina Finish, Add	12.15		
10 14 19 00-0181	EA	4" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	93.63		9.30
		For Installation With Adhesive, Deduct	-8.40		
		For Oxidized Finish, Add	8.46		
		For Polished Or Patina Finish, Add	16.92		
10 14 19 00-0182	EA	6" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	128.81		11.23
		For Installation With Adhesive, Deduct	-10.93		
		For Oxidized Finish, Add	12.58		
		For Polished Or Patina Finish, Add	25.17		
10 14 19 00-0183	EA	8" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	168.50		12.83
		For Installation With Adhesive, Deduct	-13.56		
		For Oxidized Finish, Add	17.57		
		For Polished Or Patina Finish, Add	35.15		
10 14 19 00-0184	EA	10" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	215.40		14.44
		For Installation With Adhesive, Deduct	-16.55		
		For Oxidized Finish, Add	23.65		
		For Polished Or Patina Finish, Add	47.30		
10 14 19 00-0185	EA	12" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	272.12		16.68
		For Installation With Adhesive, Deduct	-20.28		
		For Oxidized Finish, Add	30.81		
		For Polished Or Patina Finish, Add	61.61		
10 14 19 00-0186	EA	14" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	340.24		19.25
		For Installation With Adhesive, Deduct	-24.71		
		For Oxidized Finish, Add	39.49		
		For Polished Or Patina Finish, Add	78.97		
10 14 19 00-0187	EA	16" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	422.18		23.10
		For Installation With Adhesive, Deduct	-30.35		
		For Oxidized Finish, Add	49.47		
		For Polished Or Patina Finish, Add	98.93		
10 14 19 00-0188	EA	18" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	504.76		25.66
		For Installation With Adhesive, Deduct	-35.51		
		For Oxidized Finish, Add	60.31		
		For Polished Or Patina Finish, Add	120.63		
10 14 19 00-0189	EA	20" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	598.60		28.87
		For Installation With Adhesive, Deduct	-41.48		
		For Oxidized Finish, Add	72.46		
		For Polished Or Patina Finish, Add	144.93		
10 14 19 00-0190	EA	22" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	697.59		30.48
		For Installation With Adhesive, Deduct	-47.07		
		For Oxidized Finish, Add	86.35		
		For Polished Or Patina Finish, Add	172.70		
10 14 19 00-0191	EA	24" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	806.69		32.08
		For Installation With Adhesive, Deduct	-53.17		
		For Oxidized Finish, Add	101.75		
		For Polished Or Patina Finish, Add	203.51		
10 14 19 00-0192	EA	30" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	1,221.43		38.51
		For Installation With Adhesive, Deduct	-76.47		
		For Oxidized Finish, Add	160.11		
		For Polished Or Patina Finish, Add	320.23		
10 14 19 00-0193 3/8" Deep, Satin Finish, Bronze Characters (10 14 19 00-0178)					
10 14 19 00-0194	EA	2" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	85.54		8.03
		For Installation With Adhesive, Deduct	-7.49		
		For Oxidized Finish, Add	8.02		
		For Polished Or Patina Finish, Add	16.04		
10 14 19 00-0195	EA	4" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	111.12		9.30
		For Installation With Adhesive, Deduct	-9.28		
		For Oxidized Finish, Add	11.09		
		For Polished Or Patina Finish, Add	22.17		
10 14 19 00-0196	EA	6" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	160.69		11.23
		For Installation With Adhesive, Deduct	-12.53		
		For Oxidized Finish, Add	17.37		
		For Polished Or Patina Finish, Add	34.73		
10 14 19 00-0197	EA	8" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	211.84		12.83
		For Installation With Adhesive, Deduct	-15.73		
		For Oxidized Finish, Add	24.08		
		For Polished Or Patina Finish, Add	48.15		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0198	EA	10" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	286.35	14.44
		For Installation With Adhesive, Deduct	-20.09	
		For Oxidized Finish, Add	34.29	
		For Polished Or Patina Finish, Add	68.58	
10 14 19 00-0199	EA	12" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	362.49	16.68
		For Installation With Adhesive, Deduct	-24.80	
		For Oxidized Finish, Add	44.36	
		For Polished Or Patina Finish, Add	88.73	
10 14 19 00-0200	EA	14" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	453.43	19.25
		For Installation With Adhesive, Deduct	-30.37	
		For Oxidized Finish, Add	56.46	
		For Polished Or Patina Finish, Add	112.93	
10 14 19 00-0201	EA	16" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	560.69	23.10
		For Installation With Adhesive, Deduct	-37.28	
		For Oxidized Finish, Add	70.24	
		For Polished Or Patina Finish, Add	140.48	
10 14 19 00-0202	EA	18" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	677.66	25.66
		For Installation With Adhesive, Deduct	-44.15	
		For Oxidized Finish, Add	86.25	
		For Polished Or Patina Finish, Add	172.50	
10 14 19 00-0203	EA	20" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	806.33	28.87
		For Installation With Adhesive, Deduct	-51.87	
		For Oxidized Finish, Add	103.62	
		For Polished Or Patina Finish, Add	207.25	
10 14 19 00-0204	EA	22" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	945.12	30.48
		For Installation With Adhesive, Deduct	-59.45	
		For Oxidized Finish, Add	123.48	
		For Polished Or Patina Finish, Add	246.96	
10 14 19 00-0205	EA	24" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	1,071.24	32.08
		For Installation With Adhesive, Deduct	-66.40	
		For Oxidized Finish, Add	141.44	
		For Polished Or Patina Finish, Add	282.87	
10 14 19 00-0206	EA	30" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	1,466.94	38.51
		For Installation With Adhesive, Deduct	-88.75	
		For Oxidized Finish, Add	196.94	
		For Polished Or Patina Finish, Add	393.88	
10 14 19 00-0207 1/2" Deep, Satin Finish, Bronze Characters (10 14 19 00-0178)				
10 14 19 00-0208	EA	2" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	88.37	8.03
		For Installation With Adhesive, Deduct	-7.63	
		For Oxidized Finish, Add	8.44	
		For Polished Or Patina Finish, Add	16.89	
10 14 19 00-0209	EA	4" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	131.42	9.30
		For Installation With Adhesive, Deduct	-10.29	
		For Oxidized Finish, Add	14.13	
		For Polished Or Patina Finish, Add	28.26	
10 14 19 00-0210	EA	6" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	186.69	11.23
		For Installation With Adhesive, Deduct	-13.83	
		For Oxidized Finish, Add	21.27	
		For Polished Or Patina Finish, Add	42.53	
10 14 19 00-0211	EA	8" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	256.36	12.83
		For Installation With Adhesive, Deduct	-17.95	
		For Oxidized Finish, Add	30.75	
		For Polished Or Patina Finish, Add	61.51	
10 14 19 00-0212	EA	10" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	349.41	14.44
		For Installation With Adhesive, Deduct	-23.25	
		For Oxidized Finish, Add	43.75	
		For Polished Or Patina Finish, Add	87.50	
10 14 19 00-0213	EA	12" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	475.46	16.68
		For Installation With Adhesive, Deduct	-30.45	
		For Oxidized Finish, Add	61.31	
		For Polished Or Patina Finish, Add	122.62	
10 14 19 00-0214	EA	14" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	616.64	19.25
		For Installation With Adhesive, Deduct	-38.53	
		For Oxidized Finish, Add	80.95	
		For Polished Or Patina Finish, Add	161.89	
10 14 19 00-0215	EA	16" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	771.74	23.10
		For Installation With Adhesive, Deduct	-47.83	
		For Oxidized Finish, Add	101.90	
		For Polished Or Patina Finish, Add	203.80	
10 14 19 00-0216	EA	18" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	947.06	25.66
		For Installation With Adhesive, Deduct	-57.62	
		For Oxidized Finish, Add	126.66	
		For Polished Or Patina Finish, Add	253.32	
10 14 19 00-0217	EA	20" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	1,134.82	28.87
		For Installation With Adhesive, Deduct	-68.29	
		For Oxidized Finish, Add	152.90	
		For Polished Or Patina Finish, Add	305.79	
10 14 19 00-0218	EA	22" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	1,342.32	30.48
		For Installation With Adhesive, Deduct	-79.31	
		For Oxidized Finish, Add	183.06	
		For Polished Or Patina Finish, Add	366.12	
10 14 19 00-0219	EA	24" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	1,559.65	32.08
		For Installation With Adhesive, Deduct	-90.82	
		For Oxidized Finish, Add	214.70	
		For Polished Or Patina Finish, Add	429.39	

10	10	Specialties
	10 10	Information Specialties
	10 14	Signage



MINOR		DESCRIPTION	TOTAL DIRECT		DEMOLITION
CSI	UOM		UNIT COST	UNIT COST	
10 14 19 00-0220	EA	30" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	2,182.11		38.51
		For Installation With Adhesive, Deduct	-124.51		
		For Oxidized Finish, Add	304.22		
		For Polished Or Patina Finish, Add	608.43		
10 14 19 00-0221		Satin Finish, Copper Characters (10 14 19 00-0049)			
10 14 19 00-0222		1/4" Deep, Satin Finish, Copper Characters (10 14 19 00-0221)			
10 14 19 00-0223	EA	2" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	68.53		8.03
		For Installation With Adhesive, Deduct	-6.63		
		For Polished Finish, Add	10.94		
10 14 19 00-0224	EA	4" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	89.30		9.30
		For Installation With Adhesive, Deduct	-8.19		
		For Polished Finish, Add	15.62		
10 14 19 00-0225	EA	6" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	125.64		11.23
		For Installation With Adhesive, Deduct	-10.77		
		For Polished Finish, Add	24.22		
10 14 19 00-0226	EA	8" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	165.91		12.83
		For Installation With Adhesive, Deduct	-13.43		
		For Polished Finish, Add	34.37		
10 14 19 00-0227	EA	10" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	210.08		14.44
		For Installation With Adhesive, Deduct	-16.28		
		For Polished Finish, Add	45.70		
10 14 19 00-0228	EA	12" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	267.24		16.68
		For Installation With Adhesive, Deduct	-20.04		
		For Polished Finish, Add	60.15		
10 14 19 00-0229	EA	14" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	334.78		19.25
		For Installation With Adhesive, Deduct	-24.44		
		For Polished Finish, Add	77.33		
10 14 19 00-0230	EA	16" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	412.69		23.10
		For Installation With Adhesive, Deduct	-29.88		
		For Polished Finish, Add	96.08		
10 14 19 00-0231	EA	18" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	494.55		25.66
		For Installation With Adhesive, Deduct	-34.99		
		For Polished Finish, Add	117.56		
10 14 19 00-0232	EA	20" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	585.51		28.87
		For Installation With Adhesive, Deduct	-40.83		
		For Polished Finish, Add	141.00		
10 14 19 00-0233	EA	22" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	683.08		30.48
		For Installation With Adhesive, Deduct	-46.35		
		For Polished Finish, Add	168.35		
10 14 19 00-0234	EA	24" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	788.42		32.08
		For Installation With Adhesive, Deduct	-52.26		
		For Polished Finish, Add	198.02		
10 14 19 00-0235	EA	30" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	1,131.09		38.51
		For Installation With Adhesive, Deduct	-71.96		
		For Polished Finish, Add	293.12		
10 14 19 00-0236		3/8" Deep, Satin Finish, Copper Characters (10 14 19 00-0221)			
10 14 19 00-0237	EA	2" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	77.65		8.03
		For Installation With Adhesive, Deduct	-7.09		
		For Polished Finish, Add	13.67		
10 14 19 00-0238	EA	4" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	104.92		9.30
		For Installation With Adhesive, Deduct	-8.97		
		For Polished Finish, Add	20.31		
10 14 19 00-0239	EA	6" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	153.89		11.23
		For Installation With Adhesive, Deduct	-12.19		
		For Polished Finish, Add	32.69		
10 14 19 00-0240	EA	8" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	211.74		12.83
		For Installation With Adhesive, Deduct	-15.72		
		For Polished Finish, Add	48.12		
10 14 19 00-0241	EA	10" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	286.24		14.44
		For Installation With Adhesive, Deduct	-20.09		
		For Polished Finish, Add	68.55		
10 14 19 00-0242	EA	12" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	357.46		16.68
		For Installation With Adhesive, Deduct	-24.55		
		For Polished Finish, Add	87.22		
10 14 19 00-0243	EA	14" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	450.79		19.25
		For Installation With Adhesive, Deduct	-30.24		
		For Polished Finish, Add	112.14		
10 14 19 00-0244	EA	16" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	556.81		23.10
		For Installation With Adhesive, Deduct	-37.08		
		For Polished Finish, Add	139.32		
10 14 19 00-0245	EA	18" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	670.90		25.66
		For Installation With Adhesive, Deduct	-43.81		
		For Polished Finish, Add	170.47		
10 14 19 00-0246	EA	20" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	797.01		28.87
		For Installation With Adhesive, Deduct	-51.40		
		For Polished Finish, Add	204.45		
10 14 19 00-0247	EA	22" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	935.60		30.48
		For Installation With Adhesive, Deduct	-58.97		
		For Polished Finish, Add	244.10		
10 14 19 00-0248	EA	24" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	1,052.46		32.08
		For Installation With Adhesive, Deduct	-65.46		
		For Polished Finish, Add	277.24		
10 14 19 00-0249	EA	30" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	1,473.06		38.51
		For Installation With Adhesive, Deduct	-89.05		
		For Polished Finish, Add	395.72		

Specialties			10
Information Specialties			10 10
Signage			10 14
MINOR	UNIT COST	DEMOLITION	
CSI UOM DESCRIPTION			

10 14 19 00-0250	Satin Finish, Stainless Steel Characters (10 14 19 00-0049)		
10 14 19 00-0251	1/4" Deep, Satin Finish, Stainless Steel Characters (10 14 19 00-0250)		
10 14 19 00-0252	EA 2" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	65.64	8.03
	For Installation With Adhesive, Deduct	-6.49	
	For Polished Finish, Add	10.07	
10 14 19 00-0253	EA 4" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	85.88	9.30
	For Installation With Adhesive, Deduct	-8.02	
	For Polished Finish, Add	14.60	
10 14 19 00-0254	EA 6" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	110.35	11.23
	For Installation With Adhesive, Deduct	-10.01	
	For Polished Finish, Add	19.63	
10 14 19 00-0255	EA 8" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	141.94	12.83
	For Installation With Adhesive, Deduct	-12.23	
	For Polished Finish, Add	27.18	
10 14 19 00-0256	EA 10" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	173.52	14.44
	For Installation With Adhesive, Deduct	-14.45	
	For Polished Finish, Add	34.73	
10 14 19 00-0257	EA 12" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	212.71	16.68
	For Installation With Adhesive, Deduct	-17.31	
	For Polished Finish, Add	43.79	
10 14 19 00-0258	EA 14" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	254.85	19.25
	For Installation With Adhesive, Deduct	-20.44	
	For Polished Finish, Add	53.36	
10 14 19 00-0259	EA 16" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	305.49	23.10
	For Installation With Adhesive, Deduct	-24.52	
	For Polished Finish, Add	63.92	
10 14 19 00-0260	EA 18" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	356.02	25.66
	For Installation With Adhesive, Deduct	-28.07	
	For Polished Finish, Add	76.01	
10 14 19 00-0261	EA 20" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	415.84	28.87
	For Installation With Adhesive, Deduct	-32.34	
	For Polished Finish, Add	90.10	
10 14 19 00-0262	EA 22" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	482.66	30.48
	For Installation With Adhesive, Deduct	-36.33	
	For Polished Finish, Add	108.22	
10 14 19 00-0263	EA 24" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	551.15	32.08
	For Installation With Adhesive, Deduct	-40.39	
	For Polished Finish, Add	126.84	
10 14 19 00-0264	EA 30" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	754.66	38.51
	For Installation With Adhesive, Deduct	-53.13	
	For Polished Finish, Add	180.20	
10 14 19 00-0265	3/8" Deep, Satin Finish, Stainless Steel Characters (10 14 19 00-0250)		
10 14 19 00-0266	EA 2" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	77.38	8.03
	For Installation With Adhesive, Deduct	-7.08	
	For Polished Finish, Add	13.59	
10 14 19 00-0267	EA 4" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	102.91	9.30
	For Installation With Adhesive, Deduct	-8.87	
	For Polished Finish, Add	19.71	
10 14 19 00-0268	EA 6" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	131.95	11.23
	For Installation With Adhesive, Deduct	-11.09	
	For Polished Finish, Add	26.11	
10 14 19 00-0269	EA 8" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	168.22	12.83
	For Installation With Adhesive, Deduct	-13.55	
	For Polished Finish, Add	35.06	
10 14 19 00-0270	EA 10" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	207.09	14.44
	For Installation With Adhesive, Deduct	-16.13	
	For Polished Finish, Add	44.80	
10 14 19 00-0271	EA 12" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	255.04	16.68
	For Installation With Adhesive, Deduct	-19.43	
	For Polished Finish, Add	56.49	
10 14 19 00-0272	EA 14" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	306.42	19.25
	For Installation With Adhesive, Deduct	-23.02	
	For Polished Finish, Add	68.83	
10 14 19 00-0273	EA 16" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	367.28	23.10
	For Installation With Adhesive, Deduct	-27.61	
	For Polished Finish, Add	82.46	
10 14 19 00-0274	EA 18" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	426.96	25.66
	For Installation With Adhesive, Deduct	-31.62	
	For Polished Finish, Add	97.29	
10 14 19 00-0275	EA 20" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	499.93	28.87
	For Installation With Adhesive, Deduct	-36.55	
	For Polished Finish, Add	115.33	
10 14 19 00-0276	EA 22" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	562.02	30.48
	For Installation With Adhesive, Deduct	-40.29	
	For Polished Finish, Add	132.03	
10 14 19 00-0277	EA 24" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	644.16	32.08
	For Installation With Adhesive, Deduct	-45.04	
	For Polished Finish, Add	154.75	
10 14 19 00-0278	EA 30" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	886.81	38.51
	For Installation With Adhesive, Deduct	-59.74	
	For Polished Finish, Add	219.84	
10 14 19 00-0279	1/2" Deep, Satin Finish, Stainless Steel Characters (10 14 19 00-0250)		

10	10	Specialties
	10 10	Information Specialties
	10 14	Signage



MINOR		DESCRIPTION	TOTAL DIRECT		DEMOLITION
CSI	UOM		UNIT COST	UNIT COST	
10 14 19 00-0280	EA	2" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	92.48		8.03
		For Installation With Adhesive, Deduct	-7.83		
		For Polished Finish, Add	18.12		
10 14 19 00-0281	EA	4" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	124.80		9.30
		For Installation With Adhesive, Deduct	-9.96		
		For Polished Finish, Add	26.27		
10 14 19 00-0282	EA	6" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	160.74		11.23
		For Installation With Adhesive, Deduct	-12.53		
		For Polished Finish, Add	34.75		
10 14 19 00-0283	EA	8" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	210.80		12.83
		For Installation With Adhesive, Deduct	-15.67		
		For Polished Finish, Add	47.84		
10 14 19 00-0284	EA	10" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	261.50		14.44
		For Installation With Adhesive, Deduct	-18.85		
		For Polished Finish, Add	61.13		
10 14 19 00-0285	EA	12" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	323.64		16.68
		For Installation With Adhesive, Deduct	-22.86		
		For Polished Finish, Add	77.07		
10 14 19 00-0286	EA	14" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	390.01		19.25
		For Installation With Adhesive, Deduct	-27.20		
		For Polished Finish, Add	93.90		
10 14 19 00-0287	EA	16" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	467.43		23.10
		For Installation With Adhesive, Deduct	-32.61		
		For Polished Finish, Add	112.51		
10 14 19 00-0288	EA	18" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	556.16		25.66
		For Installation With Adhesive, Deduct	-38.08		
		For Polished Finish, Add	136.05		
10 14 19 00-0289	EA	20" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	653.09		28.87
		For Installation With Adhesive, Deduct	-44.21		
		For Polished Finish, Add	161.27		
10 14 19 00-0290	EA	22" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	731.56		30.48
		For Installation With Adhesive, Deduct	-48.77		
		For Polished Finish, Add	182.89		
10 14 19 00-0291	EA	24" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	842.88		32.08
		For Installation With Adhesive, Deduct	-54.98		
		For Polished Finish, Add	214.36		
10 14 19 00-0292	EA	30" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	1,169.11		38.51
		For Installation With Adhesive, Deduct	-73.86		
		For Polished Finish, Add	304.53		

10 14 23
Panel Signage
(10 14)

10 14 23 11
Panel Signage
(10 14 23)

10 14 23 11-0001
Indoor/Outdoor Signs
(10 14 23 11)
Note: Office number signs, conference room signs, restroom signs, stairway signs, fire extinguisher marker, ANSI/OSHA safety signs, entry/exit signs, etc.

10 14 23 11-0002
Surface Mount, Indoor/Outdoor Signs
(10 14 23 11-0001)

10 14 23 11-0003
Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Signs
(10 14 23 11-0002)
Note: Multi-color with words, symbols and graphics.

10 14 23 11-0004	EA	Up To 25 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	27.27		11.22
		For >25 To 50, Deduct	-0.48		
		For >50 To 100, Deduct	-1.21		
		For >100, Deduct	-1.45		
		For Clear Glass Mount, Add	3.86		
		For Glow-In-Dark, Add	9.66		
		For Reflective Finish, Add	10.87		
10 14 23 11-0005	EA	>25 To 50 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	30.72		11.22
		For >25 To 50, Deduct	-0.83		
		For >50 To 100, Deduct	-2.07		
		For >100, Deduct	-2.48		
		For Clear Glass Mount, Add	6.62		
		For Glow-In-Dark, Add	16.56		
		For Reflective Finish, Add	18.63		
10 14 23 11-0006	EA	>50 To 100 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	36.24		11.22
		For >25 To 50, Deduct	-1.38		
		For >50 To 100, Deduct	-3.45		
		For >100, Deduct	-4.14		
		For Clear Glass Mount, Add	11.04		
		For Glow-In-Dark, Add	27.60		
		For Reflective Finish, Add	31.05		
10 14 23 11-0007	EA	>100 To 250 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	43.14		11.22
		For >25 To 50, Deduct	-2.07		
		For >50 To 100, Deduct	-5.18		
		For >100, Deduct	-6.21		
		For Clear Glass Mount, Add	16.56		
		For Glow-In-Dark, Add	41.40		
		For Reflective Finish, Add	46.58		
10 14 23 11-0008	EA	>250 To 500 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	55.56		11.22
		For >25 To 50, Deduct	-3.31		
		For >50 To 100, Deduct	-8.28		
		For >100, Deduct	-9.94		
		For Clear Glass Mount, Add	26.50		
		For Glow-In-Dark, Add	66.24		
		For Reflective Finish, Add	74.52		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 11-0009	EA	>500 To 750 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	77.64	11.22
		For >25 To 50, Deduct	-5.52	
		For >50 To 100, Deduct	-13.80	
		For >100, Deduct	-16.56	
		For Clear Glass Mount, Add	44.16	
		For Glow-In-Dark, Add	110.40	
		For Reflective Finish, Add	124.20	
10 14 23 11-0010	EA	>750 To 1,000 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	105.24	11.22
		For >25 To 50, Deduct	-8.28	
		For >50 To 100, Deduct	-20.70	
		For >100, Deduct	-24.64	
		For Clear Glass Mount, Add	66.24	
		For Glow-In-Dark, Add	165.60	
		For Reflective Finish, Add	186.30	
10 14 23 11-0011	SI	>1,000 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign.....	0.11	0.01
		For Clear Glass Mount, Add	0.07	
		For Glow-In-Dark, Add	0.18	
		For Reflective Finish, Add	0.20	
10 14 23 11-0012 Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Signs				
(10 14 23 11-0002) Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting.				
10 14 23 11-0013	EA	Up To 25 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign.....	28.65	11.22
		For >25 To 50, Deduct	-0.62	
		For >50 To 100, Deduct	-1.55	
		For >100, Deduct	-1.86	
		For Glow-In-Dark, Add	12.42	
		For Reflective Finish, Add	13.35	
10 14 23 11-0014	EA	>25 To 50 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	32.10	11.22
		For >25 To 50, Deduct	-0.97	
		For >50 To 100, Deduct	-2.42	
		For >100, Deduct	-2.90	
		For Glow-In-Dark, Add	19.32	
		For Reflective Finish, Add	20.77	
10 14 23 11-0015	EA	>50 To 100 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	39.00	11.22
		For >25 To 50, Deduct	-1.66	
		For >50 To 100, Deduct	-4.14	
		For >100, Deduct	-4.97	
		For Glow-In-Dark, Add	33.12	
		For Reflective Finish, Add	35.60	
10 14 23 11-0016	EA	>100 To 250 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	45.90	11.22
		For >25 To 50, Deduct	-2.35	
		For >50 To 100, Deduct	-5.87	
		For >100, Deduct	-7.04	
		For Glow-In-Dark, Add	46.92	
		For Reflective Finish, Add	50.44	
10 14 23 11-0017	EA	>250 To 500 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	56.25	11.22
		For >25 To 50, Deduct	-3.38	
		For >50 To 100, Deduct	-8.45	
		For >100, Deduct	-10.14	
		For Glow-In-Dark, Add	67.62	
		For Reflective Finish, Add	72.69	
10 14 23 11-0018	EA	>500 To 750 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	66.60	11.22
		For >25 To 50, Deduct	-4.42	
		For >50 To 100, Deduct	-11.04	
		For >100, Deduct	-13.25	
		For Glow-In-Dark, Add	88.32	
		For Reflective Finish, Add	94.94	
10 14 23 11-0019	EA	>750 To 1,000 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	77.64	11.22
		For >25 To 50, Deduct	-5.52	
		For >50 To 100, Deduct	-13.80	
		For >100, Deduct	-16.56	
		For Glow-In-Dark, Add	110.40	
		For Reflective Finish, Add	118.68	
10 14 23 11-0020	SI	>1,000 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	0.08	0.01
		For Glow-In-Dark, Add	0.12	
		For Reflective Finish, Add	0.13	
10 14 23 11-0021 Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille				
(10 14 23 11-0002) Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting. Excludes frame.				
10 14 23 11-0022	EA	Up To 25 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	39.00	11.22
		For >25 To 50, Deduct	-1.66	
		For >50 To 100, Deduct	-4.14	
		For >100, Deduct	-4.97	
		For Molded Plastic Frame, Add	15.00	
		For Brushed Metal Finish/Faux Metal Finish, Add	23.00	
		For 2" Height Slider Channel For Custom Inserts, Add	35.00	
10 14 23 11-0023	EA	>25 To 50 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	43.14	11.22
		For >25 To 50, Deduct	-2.07	
		For >50 To 100, Deduct	-5.18	
		For >100, Deduct	-6.21	
		For Molded Plastic Frame, Add	17.00	
		For Brushed Metal Finish/Faux Metal Finish, Add	28.00	
		For 2" Height Slider Channel For Custom Inserts, Add	35.00	

10 Specialties**10 10 Information Specialties****10 14 Signage**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
10 14 23 11-0024	EA	>50 To 75 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	50.04	11.22	
		For >25 To 50, Deduct	-2.76		
		For >50 To 100, Deduct	-6.90		
		For >100, Deduct	-8.28		
		For Molded Plastic Frame, Add	19.00		
		For Brushed Metal Finish/Faux Metal Finish, Add	31.00		
10 14 23 11-0025	EA	>75 To 100 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	56.53	11.22	
		For >25 To 50, Deduct	-3.41		
		For >50 To 100, Deduct	-8.52		
		For >100, Deduct	-10.23		
		For Molded Plastic Frame, Add	21.00		
		For Brushed Metal Finish/Faux Metal Finish, Add	35.00		
10 14 23 11-0026	SI	>100 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille.....	0.61	0.11	
		For Molded Plastic Frame, Add	0.20		
		For Brushed Metal Finish/Faux Metal Finish, Add	0.31		
10 14 23 11-0027 Engraved Steel, Surface Mount, Indoor/Outdoor Signs (10 14 23 11-0002)					
Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting. Excludes frame.					
10 14 23 11-0028	EA	Up To 25 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	48.66	11.22	
		For >25 To 50, Deduct	-2.62		
		For >50 To 100, Deduct	-6.56		
		For >100, Deduct	-7.87		
		For Molded Plastic Frame, Add	15.00		
10 14 23 11-0029	EA	>25 To 50 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	56.94	11.22	
		For >25 To 50, Deduct	-3.45		
		For >50 To 100, Deduct	-8.63		
		For >100, Deduct	-10.35		
		For Molded Plastic Frame, Add	17.00		
10 14 23 11-0030	EA	>50 To 75 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	67.98	11.22	
		For >25 To 50, Deduct	-4.55		
		For >50 To 100, Deduct	-11.39		
		For >100, Deduct	-13.66		
		For Molded Plastic Frame, Add	19.00		
10 14 23 11-0031	EA	>75 To 100 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	90.06	11.22	
		For >25 To 50, Deduct	-6.76		
		For >50 To 100, Deduct	-16.91		
		For >100, Deduct	-20.29		
		For Molded Plastic Frame, Add	21.00		
10 14 23 11-0032	SI	>100 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	0.90	0.11	
		For Molded Plastic Frame, Add	0.20		
10 14 23 11-0033 Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Signs (10 14 23 11-0002)					
Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting.					
10 14 23 11-0034	EA	Up To 25 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	27.96	11.22	
		For >25 To 50, Deduct	-0.55		
		For >50 To 100, Deduct	-1.38		
		For >100, Deduct	-1.66		
		For Glow-In-Dark, Add	3.31		
		For Reflective Finish, Add	4.14		
10 14 23 11-0035	EA	>25 To 50 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	32.10	11.22	
		For >25 To 50, Deduct	-0.97		
		For >50 To 100, Deduct	-2.42		
		For >100, Deduct	-2.90		
		For Glow-In-Dark, Add	5.80		
		For Reflective Finish, Add	7.25		
10 14 23 11-0036	EA	>50 To 100 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	40.38	11.22	
		For >25 To 50, Deduct	-1.79		
		For >50 To 100, Deduct	-4.49		
		For >100, Deduct	-5.38		
		For Glow-In-Dark, Add	10.76		
		For Reflective Finish, Add	13.46		
10 14 23 11-0037	EA	>100 To 250 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	50.04	11.22	
		For >25 To 50, Deduct	-2.76		
		For >50 To 100, Deduct	-6.90		
		For >100, Deduct	-8.28		
		For Glow-In-Dark, Add	16.56		
		For Reflective Finish, Add	20.70		
10 14 23 11-0038	EA	>250 To 500 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	79.02	11.22	
		For >25 To 50, Deduct	-5.66		
		For >50 To 100, Deduct	-14.15		
		For >100, Deduct	-16.97		
		For Glow-In-Dark, Add	33.95		
		For Reflective Finish, Add	42.44		
10 14 23 11-0039	EA	>500 To 750 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	91.44	11.22	
		For >25 To 50, Deduct	-6.90		
		For >50 To 100, Deduct	-17.25		
		For >100, Deduct	-20.70		
		For Glow-In-Dark, Add	41.40		
		For Reflective Finish, Add	51.75		
10 14 23 11-0040	EA	>750 To 1,000 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	108.00	11.22	
		For >25 To 50, Deduct	-8.56		
		For >50 To 100, Deduct	-21.39		
		For >100, Deduct	-25.67		
		For Glow-In-Dark, Add	51.34		
		For Reflective Finish, Add	64.17		
10 14 23 11-0041	SI	>1,000 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	0.12	0.01	
		For Glow-In-Dark, Add	0.06		
		For Reflective Finish, Add	0.08		

Specialties			10
Information Specialties			10 10
Signage			10 14
MINOR	CSI	UOM	DESCRIPTION
			TOTAL DIRECT UNIT COST
			DEMOLITION UNIT COST

10 14 23 11-0042			California Title 24, Surface Mount, Signs (10 14 23 11-0002)		
10 14 23 11-0043			California Title 24, Surface Mount, Geometric Restroom Signs (10 14 23 11-0042)		
Note: Includes 1/4" thick acrylic or PVC construction, color that contrasts with the door color, and with or without the international symbol of accessibility and staff only designation.					
10 14 23 11-0044	EA	1/4" Thick, Equilateral Triangle With 12" Long Edges, California Title 24, Surface Mount, Geometric Male Restroom Sign.....	73.16	11.22	
		For >25 To 50, Deduct	-5.07		
		For >50 To 100, Deduct	-7.61		
		For >100, Deduct	-8.62		
10 14 23 11-0045	EA	1/4" Thick, 12" Diameter, California Title 24, Surface Mount, Geometric Female Restroom Sign	73.16	11.22	
		For >25 To 50, Deduct	-5.07		
		For >50 To 100, Deduct	-7.61		
		For >100, Deduct	-8.62		
10 14 23 11-0046	EA	1/4" Thick, 12" Diameter, California Title 24, Surface Mount, Geometric Unisex Restroom Sign	93.44	11.22	
Note: Includes contrasting color equilateral triangle with 12" long edges superimposed on the circle.					
		For >25 To 50, Deduct	-7.10		
		For >50 To 100, Deduct	-10.65		
		For >100, Deduct	-12.07		
10 14 23 11-0047			California Title 24, Surface Mount, Stairwell Signs (10 14 23 11-0042)		
Note: Includes 1/16" matte finish colored polymer face plate with 1/16" acrylic backer. Includes information on stairway location, roof access availability, floor level number, basement or mezzanine level identification and exit level and direction.					
10 14 23 11-0048	EA	1/8" Thick, 12" x 18", California Title 24, Surface Mount, Stairwell Sign	136.91	11.22	
		For >25 To 50, Deduct	-11.45		
		For >50 To 100, Deduct	-17.17		
		For >100, Deduct	-19.46		
10 14 23 11-0049			Ceiling Mount, Indoor/Outdoor Signs (10 14 23 11-0001)		
10 14 23 11-0050			Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Signs (10 14 23 11-0049)		
10 14 23 11-0051	EA	Up To 25 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign	39.00	15.70	
		For >25 To 50, Deduct	-0.76		
		For >50 To 100, Deduct	-1.90		
		For >100, Deduct	-2.28		
		For Glow-In-Dark, Add	4.55		
		For Reflective Finish, Add	5.69		
10 14 23 11-0052	EA	>25 To 50 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign.....	45.21	15.70	
		For >25 To 50, Deduct	-1.38		
		For >50 To 100, Deduct	-3.45		
		For >100, Deduct	-4.14		
		For Glow-In-Dark, Add	8.28		
		For Reflective Finish, Add	10.35		
10 14 23 11-0053	EA	>50 To 100 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign.....	53.49	15.70	
		For >25 To 50, Deduct	-2.21		
		For >50 To 100, Deduct	-5.52		
		For >100, Deduct	-6.62		
		For Glow-In-Dark, Add	13.25		
		For Reflective Finish, Add	16.56		
10 14 23 11-0054	EA	>100 To 150 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign.....	65.91	15.70	
		For >25 To 50, Deduct	-3.45		
		For >50 To 100, Deduct	-8.63		
		For >100, Deduct	-10.35		
		For Glow-In-Dark, Add	20.70		
		For Reflective Finish, Add	25.88		
10 14 23 11-0055			90 Degree, Projection Mount, Indoor/Outdoor Signs (10 14 23 11-0001)		
10 14 23 11-0056			Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Signs (10 14 23 11-0055)		
10 14 23 11-0057	EA	Up To 25 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign	39.69	15.70	
		For >25 To 50, Deduct	-0.83		
		For >50 To 100, Deduct	-2.07		
		For >100, Deduct	-2.48		
		For Glow-In-Dark, Add	4.97		
		For Reflective Finish, Add	6.21		
10 14 23 11-0058	EA	>25 To 50 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign	46.59	15.70	
		For >25 To 50, Deduct	-1.52		
		For >50 To 100, Deduct	-3.80		
		For >100, Deduct	-4.55		
		For Glow-In-Dark, Add	9.11		
		For Reflective Finish, Add	11.39		
10 14 23 11-0059	EA	>50 To 100 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign	61.77	15.70	
		For >25 To 50, Deduct	-3.04		
		For >50 To 100, Deduct	-7.59		
		For >100, Deduct	-9.11		
		For Glow-In-Dark, Add	18.22		
		For Reflective Finish, Add	22.77		
10 14 23 11-0060	EA	>100 To 150 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign	67.29	15.70	
		For >25 To 50, Deduct	-3.59		
		For >50 To 100, Deduct	-8.97		
		For >100, Deduct	-10.76		
		For Glow-In-Dark, Add	21.53		
		For Reflective Finish, Add	26.91		

10	10	Specialties
	10 10	Information Specialties
	10 14	Signage



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 14 23 11-0061	Triangle, Projection Mount, Indoor/Outdoor Signs (10 14 23 11-0001)				
10 14 23 11-0062	Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Signs (10 14 23 11-0061)				
10 14 23 11-0063	EA	Up To 25 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign	41.76	15.70	
		For >25 To 50, Deduct	-1.04		
		For >50 To 100, Deduct	-2.59		
		For >100, Deduct	-3.11		
		For Glow-In-Dark, Add	6.21		
		For Reflective Finish, Add	7.76		
10 14 23 11-0064	EA	>25 To 50 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign	52.11	15.70	
		For >25 To 50, Deduct	-2.07		
		For >50 To 100, Deduct	-5.18		
		For >100, Deduct	-6.21		
		For Glow-In-Dark, Add	12.42		
		For Reflective Finish, Add	15.53		
10 14 23 11-0065	EA	>50 To 100 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign	56.25	15.70	
		For >25 To 50, Deduct	-2.48		
		For >50 To 100, Deduct	-6.21		
		For >100, Deduct	-7.45		
		For Glow-In-Dark, Add	14.90		
		For Reflective Finish, Add	18.63		
10 14 23 11-0066	EA	>100 To 150 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign	61.77	15.70	
		For >25 To 50, Deduct	-3.04		
		For >50 To 100, Deduct	-7.59		
		For >100, Deduct	-9.11		
		For Glow-In-Dark, Add	18.22		
		For Reflective Finish, Add	22.77		

10 14 23 11-0067	Adhesive Backed Vinyl Characters (10 14 23 11)				
	Note: Includes capital or lower case letters in any font or color. Includes numbers, symbols, punctuation marks, etc. Includes adhesive.				
10 14 23 11-0068	EA	1/2" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	2.98	0.89	
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	0.51		
10 14 23 11-0069	EA	3/4" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	3.09	1.03	
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	0.54		
10 14 23 11-0070	EA	1" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	3.19	1.16	
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	0.56		
10 14 23 11-0071	EA	1-1/2" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	4.26	1.34	
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	0.72		
10 14 23 11-0072	EA	2" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	4.41	1.57	
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	0.75		
10 14 23 11-0073	EA	3" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	6.25	1.80	
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	1.10		
10 14 23 11-0074	EA	4" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	6.70	2.02	
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	1.21		
10 14 23 11-0075	EA	6" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	8.99	2.25	
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	1.66		
10 14 23 11-0076	EA	8" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	10.82	2.47	
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	2.12		
10 14 23 11-0077	EA	10" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	13.86	2.69	
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	2.76		

10 14 23 11-0078	Standoffs For Wall Signage (10 14 23 11)				
	Note: Excludes signage				
10 14 23 11-0079	EA	1/2" Diameter x 1/2" Long, Stainless Steel Standoff	17.06	6.42	
10 14 23 11-0080	EA	1/2" Diameter x 3/4" Long, Stainless Steel Standoff	17.61	6.42	
10 14 23 11-0081	EA	1/2" Diameter x 1" Long, Stainless Steel Standoff	17.75	6.42	
10 14 23 11-0082	EA	5/8" Diameter x 1/2" Long, Stainless Steel Standoff	18.67	6.42	
10 14 23 11-0083	EA	5/8" Diameter x 3/4" Long, Stainless Steel Standoff	19.22	6.42	
10 14 23 11-0084	EA	5/8" Diameter x 1" Long, Stainless Steel Standoff	20.31	6.42	
10 14 23 11-0085	EA	3/4" Diameter x 3/4" Long, Stainless Steel Standoff	20.13	7.70	
10 14 23 11-0086	EA	3/4" Diameter x 1" Long, Stainless Steel Standoff	21.63	7.70	
10 14 23 11-0087	EA	3/4" Diameter x 1-1/2" Long, Stainless Steel Standoff	22.86	7.70	
10 14 23 11-0088	EA	1" Diameter x 3/4" Long, Stainless Steel Standoff	24.14	7.70	
10 14 23 11-0089	EA	1" Diameter x 1" Long, Stainless Steel Standoff	25.92	7.70	
10 14 23 11-0090	EA	1" Diameter x 1-1/2" Long, Stainless Steel Standoff	28.10	7.70	
10 14 23 11-0091	EA	5/8" Diameter x 3/4" Long, Clear Anodized Aluminum Standoff	19.08	6.42	
10 14 23 11-0092	EA	5/8" Diameter x 1" Long, Clear Anodized Aluminum Standoff	19.49	6.42	
10 14 23 11-0093	EA	3/4" Diameter x 3/4" Long, Clear Anodized Aluminum Standoff	21.36	7.70	
10 14 23 11-0094	EA	3/4" Diameter x 1" Long, Clear Anodized Aluminum Standoff	21.77	7.70	
10 14 23 11-0095	EA	1" Diameter x 3/4" Long, Clear Anodized Aluminum Standoff	23.59	7.70	
10 14 23 11-0096	EA	1" Diameter x 1" Long, Clear Anodized Aluminum Standoff	23.87	7.70	

10 14 23 11-0097	Removal And Reinstallation Of Building Signage (10 14 23 11)				
	Note: Includes storage and cleaning.				
10 14 23 11-0098	EA	Removal And Reinstallation Of Building Signage, Exterior Up To 4 SF	224.68		
10 14 23 11-0099	EA	Removal And Reinstallation Of Building Signage, Exterior >4 To 12 SF	258.04		
10 14 23 11-0100	EA	Removal And Reinstallation Of Building Signage, >12 To 20 SF	290.13		
10 14 23 11-0101	EA	Removal And Reinstallation Of Interior Door And Office Signage, Up To 4SF	67.30		

Specialties			10
Information Specialties			10 10
Signage			10 14
MINOR	CSI	UOM	DESCRIPTION
			TOTAL DIRECT UNIT COST
			DEMOLITION UNIT COST

10 14 23 11-0102	Building Sign (10 14 23 11)			
	Note: Includes 4" numbers painted on sign. Installed on building.			
10 14 23 11-0103	EA	6" x 18" Metal Building Sign With Numbers	179.89	26.92
10 14 23 11-0104	SF	Double Sided, Molding On Two Sides, For Mounting On Aluminum Posts	47.72	8.98
10 14 23 11-0105	SF	Single Sided, Molding On One Side, For Mounting On Structure Up To 20'	36.39	8.35
10 14 23 11-0106	EA	Aluminum Posts, Formed Prefinished, Ribbed, 4" Square, 6' High, 3' Deep	36.65	7.06
10 14 23 11-0107	EA	Aluminum Posts, Formed Prefinished, Ribbed, 4" Square, 8' High, 3' Deep	42.55	7.71
10 14 23 11-0108	EA	Aluminum Posts, Formed Prefinished, Ribbed, 6" Square, 10' High, 3' Deep	46.73	8.35
10 14 23 11-0109	EA	Aluminum Posts, Formed Prefinished, Ribbed, 6" Square, 15' High, 4' Deep	55.53	8.98

10 14 29 Wall or Ground Mounted Signage (10 14)
Note: Includes fabrication, delivery, installation, bolts with fasteners and drilling.

10 14 29 00-0001	Illuminated Signage (10 14 29)		
10 14 29 00-0002	Removal Of Sign Cabinets (10 14 29 00-0001)		
10 14 29 00-0003	EA	Removal Of Sign Cabinet, 1 To 4.9 SF	343.28
10 14 29 00-0004	EA	Removal Of Sign Cabinet, 5 To 9.9 SF	411.93
10 14 29 00-0005	EA	Removal Of Sign Cabinet, 10 To 19.9 SF	549.20
10 14 29 00-0006	EA	Removal Of Sign Cabinet, 20 To 29.9 SF	823.86
10 14 29 00-0007	EA	Removal Of Sign Cabinet, >30 SF	1,098.39

10 14 29 00-0008 Fabricate And Install New Sign Cabinets (10 14 29 00-0001)

10 14 29 00-0009	SF	1 To 4.9 SF, Illuminated Sign Cabinet, Wall/Ground Mounted	319.38
For >5 To 11 Per Each Sign, Deduct			-15.97
For >11 To 20 Per Each Sign, Deduct			-23.95
For >20 Per Each Sign, Deduct			-31.94
10 14 29 00-0010	SF	5 To 9.9 SF, Illuminated Sign Cabinet, Wall/Ground Mounted	266.23
For >5 To 11 Per Each Sign, Deduct			-13.31
For >11 To 20 Per Each Sign, Deduct			-19.97
For >20 Per Each Sign, Deduct			-26.62
10 14 29 00-0011	SF	10 To 19.9 SF, Illuminated Sign Cabinet, Wall/Ground Mounted	217.36
For >5 To 11 Per Each Sign, Deduct			-10.87
For >11 To 20 Per Each Sign, Deduct			-16.30
For >20 Per Each Sign, Deduct			-21.74
10 14 29 00-0012	SF	20 To 29.9 SF, Illuminated Sign Cabinet, Wall/Ground Mounted	195.47
For >5 To 11 Per Each Sign, Deduct			-9.77
For >11 To 20 Per Each Sign, Deduct			-14.66
For >20 Per Each Sign, Deduct			-19.55
10 14 29 00-0013	SF	=>30 SF, Illuminated Sign Cabinet, Wall/Ground Mounted	179.44
For >5 To 11 Per Each Sign, Deduct			-8.97
For >11 To 20 Per Each Sign, Deduct			-13.46
For >20 Per Each Sign, Deduct			-17.94

10 14 29 00-0014 Fabricate And Install New Sign Face, Material And Legend (10 14 29 00-0001)

10 14 29 00-0015	SF	1 To 4.9 SF, Illuminated Sign Face, Wall/Ground Mounted, Material And Legend	86.78
For >5 To 11 Per Each Sign, Deduct			-4.34
For >11 To 20 Per Each Sign, Deduct			-6.51
For >20 Per Each Sign, Deduct			-8.68
10 14 29 00-0016	SF	5 To 9.9 SF, Illuminated Sign Face, Wall/Ground Mounted, Material And Legend	70.76
For >5 To 11 Per Each Sign, Deduct			-3.54
For >11 To 20 Per Each Sign, Deduct			-5.31
For >20 Per Each Sign, Deduct			-7.08
10 14 29 00-0017	SF	10 To 19.9 SF, Illuminated Sign Face, Wall/Ground Mounted, Material And Legend	53.93
For >5 To 11 Per Each Sign, Deduct			-2.70
For >11 To 20 Per Each Sign, Deduct			-4.04
For >20 Per Each Sign, Deduct			-5.39
10 14 29 00-0018	SF	20 To 29.9 SF, Illuminated Sign Face, Wall/Ground Mounted, Material And Legend	42.99
For >5 To 11 Per Each Sign, Deduct			-2.15
For >11 To 20 Per Each Sign, Deduct			-3.22
For >20 Per Each Sign, Deduct			-4.30
10 14 29 00-0019	SF	=>30 SF, Illuminated Sign Face, Wall/Ground Mounted, Material And Legend	34.40
For >5 To 11 Per Each Sign, Deduct			-1.72
For >11 To 20 Per Each Sign, Deduct			-2.58
For >20 Per Each Sign, Deduct			-3.44

10 14 29 00-0020 Posts (10 14 29)

Note: Includes mounting bolts and installation for sign blades to posts.			
10 14 29 00-0021	LF	2" Square Galvanized Steel Post	27.65
For Powder Coating, Add			1.30
10 14 29 00-0022	LF	2-3/8" Diameter Galvanized Steel Post	26.69
For Powder Coating, Add			1.23
10 14 29 00-0023	LF	2" Diameter Recycled Plastic Lumber Post	11.37
10 14 29 00-0024	EA	Mounting On Ground With Base	65.83
Note: Includes bolts and drilling for bolts.			
10 14 29 00-0025	EA	Mid Post Mounted Rotating Sign With Graphics	293.62
For >5 To 11, Deduct			-14.68
For >11 To 20, Deduct			-22.02
For >20, Deduct			-29.36

10 14 31 Overhead And Ceiling Hung Signage (10 14)

Note: Includes fabrication, delivery, installation, bolts with fasteners and drilling.

10	10	Specialties
	10 10	Information Specialties
	10 14	Signage



MINOR				TOTAL DIRECT		DEMOLITION	
CSI UOM DESCRIPTION				UNIT COST		UNIT COST	
10 14 31 00-0001 Illuminated Signage (10 14 31)							
10 14 31 00-0002 Removal Of Sign Cabinets (10 14 31 00-0001)							
10 14 31 00-0003	EA	Removal Of Sign Cabinet, 1 To 4.9 SF.....	377.61				
10 14 31 00-0004	EA	Removal Of Sign Cabinet, 5 To 9.9 SF.....	453.13				
10 14 31 00-0005	EA	Removal Of Sign Cabinet, 10 To 19.9 SF.....	604.17				
10 14 31 00-0006	EA	Removal Of Sign Cabinet, 20 To 29.9 SF.....	906.25				
10 14 31 00-0007	EA	Removal Of Sign Cabinet, >30 SF.....	1,208.12				
10 14 31 00-0008 Fabricate And Install New Sign Cabinets (10 14 31 00-0001)							
10 14 31 00-0009	SF	1 To 4.9 SF, Illuminated Sign Cabinet, Overhead/Ceiling Hung	353.24				
		For >5 To 11 Per Each Sign, Deduct	-17.66				
		For >11 To 20 Per Each Sign, Deduct	-26.49				
		For >20 Per Each Sign, Deduct	-35.32				
10 14 31 00-0010	SF	5 To 9.9 SF, Illuminated Sign Cabinet, Overhead/Ceiling Hung	294.37				
		For >5 To 11 Per Each Sign, Deduct	-14.72				
		For >11 To 20 Per Each Sign, Deduct	-22.08				
		For >20 Per Each Sign, Deduct	-29.44				
10 14 31 00-0011	SF	10 To 19.9 SF, Illuminated Sign Cabinet, Overhead/Ceiling Hung	240.34				
		For >5 To 11 Per Each Sign, Deduct	-12.02				
		For >11 To 20 Per Each Sign, Deduct	-18.03				
		For >20 Per Each Sign, Deduct	-24.03				
10 14 31 00-0012	SF	20 To 29.9 SF, Illuminated Sign Cabinet, Overhead/Ceiling Hung	216.15				
		For >5 To 11 Per Each Sign, Deduct	-10.81				
		For >11 To 20 Per Each Sign, Deduct	-16.21				
		For >20 Per Each Sign, Deduct	-21.62				
10 14 31 00-0013	SF	=>30 SF, Illuminated Sign Cabinet, Overhead/Ceiling Hung	198.41				
		For >5 To 11 Per Each Sign, Deduct	-9.92				
		For >11 To 20 Per Each Sign, Deduct	-14.88				
		For >20 Per Each Sign, Deduct	-19.84				
10 14 31 00-0014 Fabricate And Install New Sign Face, Material And Legend (10 14 31 00-0001)							
10 14 31 00-0015	SF	1 To 4.9 SF, Illuminated Sign Face, Overhead/Ceiling Hung, Material And Legend.....	35.78				
		For >5 To 11 Per Each Sign, Deduct	-1.79				
		For >11 To 20 Per Each Sign, Deduct	-2.68				
		For >20 Per Each Sign, Deduct	-3.58				
10 14 31 00-0016	SF	5 To 9.9 SF, Illuminated Sign Face, Overhead/Ceiling Hung, Material And Legend.....	28.62				
		For >5 To 11 Per Each Sign, Deduct	-1.43				
		For >11 To 20 Per Each Sign, Deduct	-2.15				
		For >20 Per Each Sign, Deduct	-2.86				
10 14 31 00-0017	SF	10 To 19.9 SF, Illuminated Sign Face, Overhead/Ceiling Hung, Material And Legend.....	23.85				
		For >5 To 11 Per Each Sign, Deduct	-1.19				
		For >11 To 20 Per Each Sign, Deduct	-1.79				
		For >20 Per Each Sign, Deduct	-2.39				
10 14 31 00-0018	SF	20 To 29.9 SF, Illuminated Sign Face, Overhead/Ceiling Hung, Material And Legend.....	20.17				
		For >5 To 11 Per Each Sign, Deduct	-1.01				
		For >11 To 20 Per Each Sign, Deduct	-1.51				
		For >20 Per Each Sign, Deduct	-2.02				
10 14 31 00-0019	SF	=>30 SF, Illuminated Sign Face, Overhead/Ceiling Hung, Material And Legend.....	17.79				
		For >5 To 11 Per Each Sign, Deduct	-0.89				
		For >11 To 20 Per Each Sign, Deduct	-1.33				
		For >20 Per Each Sign, Deduct	-1.78				
10 14 43 Photoluminescent Signage (10 14)							
10 14 43 00-0001 Photoluminescent Illuminated Signage (10 14 43)							
10 14 43 00-0002	EA	4-1/2" x 8" Photoluminescent Directional Sign, Adhesive Backed Vinyl, Surface Mount	61.58			11.22	
		For >25 To 50, Deduct	-3.91				
		For >50 To 100, Deduct	-9.79				
		For >100, Deduct	-11.74				
10 14 43 00-0003	EA	4-1/2" x 13" Photoluminescent Directional Sign, Adhesive Backed Vinyl, Surface Mount	67.95			11.22	
		For >25 To 50, Deduct	-4.55				
		For >50 To 100, Deduct	-11.38				
		For >100, Deduct	-13.65				
10 14 43 00-0004	EA	8" x 10" Photoluminescent Directional Sign, Adhesive Backed Vinyl, Surface Mount	76.69			11.22	
		For >25 To 50, Deduct	-5.43				
		For >50 To 100, Deduct	-13.56				
		For >100, Deduct	-16.28				
10 14 53 Traffic Signage (10 14)							
10 14 53 11 Traffic Signage (10 14 53)							
10 14 53 11-0001 Traffic Signs (10 14 53 11)							
10 14 53 11-0002 Reflectorized Stop Signs And Other Traffic Signs (10 14 53 11-0001)							
Note: Excludes posts.							
10 14 53 11-0003 Aluminum Engineer Grade Stop Signs (10 14 53 11-0002)							
10 14 53 11-0004	EA	18" x 18" Aluminum Engineer Grade Stop Sign	71.28			20.19	
		For Hi-Intensity Grade, Add	9.27				
		For Diamond Grade, Add	17.61				
10 14 53 11-0005	EA	18" x 24" Aluminum Engineer Grade Stop Sign	83.03			21.35	
		For Hi-Intensity Grade, Add	12.12				
		For Diamond Grade, Add	23.03				

Specialties			10
Information Specialties			10 10
Signage			10 14
MINOR	CSI	UOM	DESCRIPTION
			TOTAL DIRECT UNIT COST
			DEMOLITION UNIT COST

10 14 53 11-0006	EA	24" x 24" Aluminum Engineer Grade Stop Sign	90.03	22.44
		For Hi-Intensity Grade, Add	18.52	
		For Diamond Grade, Add	29.35	
10 14 53 11-0007	EA	30" x 30" Aluminum Engineer Grade Stop Sign	104.96	23.60
		For Hi-Intensity Grade, Add	6.94	
		For Diamond Grade, Add	37.60	
10 14 53 11-0008	EA	36" x 36" Aluminum Engineer Grade Stop Sign	142.05	24.68
		For Hi-Intensity Grade, Add	20.39	
		For Diamond Grade, Add	63.96	
10 14 53 11-0009		Steel Engineer Grade Stop Signs (10 14 53 11-0002)		
10 14 53 11-0010	EA	18" x 18" Reflective Steel Stop Sign, Engineering Grade	105.91	20.19
10 14 53 11-0011	EA	18" x 24" Reflective Steel Stop Sign, Engineering Grade	131.89	21.35
10 14 53 11-0012	EA	24" x 24" Reflective Steel Stop Sign, Engineering Grade	139.93	22.44
10 14 53 11-0013	EA	30" x 30" Reflective Steel Stop Sign, Engineering Grade	198.34	23.60
10 14 53 11-0014	EA	36" x 36" Reflective Steel Stop Sign, Engineering Grade	251.01	24.68
10 14 53 11-0015		Polyethylene Engineer Grade Stop Signs (10 14 53 11-0002)		
10 14 53 11-0016	EA	18" x 18" Reflective Polyethylene Stop Sign, Engineering Grade	108.34	20.19
10 14 53 11-0017	EA	18" x 24" Reflective Polyethylene Stop Sign, Engineering Grade	138.11	21.35
10 14 53 11-0018	EA	24" x 24" Reflective Polyethylene Stop Sign, Engineering Grade	152.17	22.44
10 14 53 11-0019	EA	30" x 30" Reflective Polyethylene Stop Sign, Engineering Grade	198.91	23.60
10 14 53 11-0020		Other Reflectorized Traffic Signs (10 14 53 11-0002)		
		Note: Other traffic signs includes reserve, handicap, visitor, no parking, property, speed limit, tow away, ADA, parking time limit, parking exclusive area, school, traffic/caution, etc. Excludes posts.		
10 14 53 11-0021		Aluminum Engineer Grade Traffic Signs (10 14 53 11-0020)		
10 14 53 11-0022	EA	6" x 12" Aluminum Engineer Grade Traffic Sign	43.55	17.94
		For Hi-Intensity Grade, Add	2.30	
		For Diamond Grade, Add	4.36	
10 14 53 11-0023	EA	6" x 18" Aluminum Engineer Grade Traffic Sign	47.38	17.94
		For Hi-Intensity Grade, Add	3.44	
		For Diamond Grade, Add	6.54	
10 14 53 11-0024	EA	9" x 12" Aluminum Engineer Grade Traffic Sign	47.38	17.94
		For Hi-Intensity Grade, Add	3.44	
		For Diamond Grade, Add	6.54	
10 14 53 11-0025	EA	9" x 15" Aluminum Engineer Grade Traffic Sign	50.25	17.94
		For Hi-Intensity Grade, Add	4.31	
		For Diamond Grade, Add	8.18	
10 14 53 11-0026	EA	9" x 18" Aluminum Engineer Grade Traffic Sign	53.12	17.94
		For Hi-Intensity Grade, Add	5.17	
		For Diamond Grade, Add	9.82	
10 14 53 11-0027	EA	9" x 24" Aluminum Engineer Grade Traffic Sign	61.09	19.07
		For Hi-Intensity Grade, Add	6.89	
		For Diamond Grade, Add	13.09	
10 14 53 11-0028	EA	9" x 48" Aluminum Engineer Grade Traffic Sign	84.06	19.07
		For Hi-Intensity Grade, Add	13.78	
		For Diamond Grade, Add	26.18	
10 14 53 11-0029	EA	12" x 12" Aluminum Engineer Grade Traffic Sign	51.21	17.94
		For Hi-Intensity Grade, Add	4.59	
		For Diamond Grade, Add	8.73	
10 14 53 11-0030	EA	12" x 18" Aluminum Engineer Grade Traffic Sign	61.09	19.07
		For Hi-Intensity Grade, Add	6.89	
		For Diamond Grade, Add	13.09	
10 14 53 11-0031	EA	12" x 24" Aluminum Engineer Grade Traffic Sign	68.75	19.07
		For Hi-Intensity Grade, Add	9.19	
		For Diamond Grade, Add	17.45	
10 14 53 11-0032	EA	12" x 30" Aluminum Engineer Grade Traffic Sign	76.40	19.07
		For Hi-Intensity Grade, Add	11.48	
		For Diamond Grade, Add	21.81	
10 14 53 11-0033	EA	12" x 36" Aluminum Engineer Grade Traffic Sign	84.06	19.07
		For Hi-Intensity Grade, Add	13.78	
		For Diamond Grade, Add	26.18	
10 14 53 11-0034	EA	17" x 22" Aluminum Engineer Grade Traffic Sign	77.89	19.07
		For Hi-Intensity Grade, Add	11.93	
		For Diamond Grade, Add	22.66	
10 14 53 11-0035	EA	18" x 18" Aluminum Engineer Grade Traffic Sign	72.57	19.07
		For Hi-Intensity Grade, Add	10.33	
		For Diamond Grade, Add	19.63	
10 14 53 11-0036	EA	18" x 24" Aluminum Engineer Grade Traffic Sign	84.06	19.07
		For Hi-Intensity Grade, Add	13.78	
		For Diamond Grade, Add	26.18	
10 14 53 11-0037	EA	18" x 30" Aluminum Engineer Grade Traffic Sign	97.79	20.19
		For Hi-Intensity Grade, Add	17.22	
		For Diamond Grade, Add	32.72	
10 14 53 11-0038	EA	18" x 36" Aluminum Engineer Grade Traffic Sign	109.27	20.19
		For Hi-Intensity Grade, Add	20.67	
		For Diamond Grade, Add	39.27	
10 14 53 11-0039	EA	18" x 48" Aluminum Engineer Grade Traffic Sign	141.20	24.68
		For Hi-Intensity Grade, Add	27.56	
		For Diamond Grade, Add	52.35	
10 14 53 11-0040	EA	18" x 54" Aluminum Engineer Grade Traffic Sign	152.68	24.68
		For Hi-Intensity Grade, Add	31.00	
		For Diamond Grade, Add	58.90	

10 Specialties**10 10 Information Specialties****10 14 Signage**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
10 14 53 11-0041	EA	24" x 24" Aluminum Engineer Grade Traffic Sign	.....	101.61	20.19
		For Hi-Intensity Grade, Add	.....	18.37	
		For Diamond Grade, Add	.....	34.90	
10 14 53 11-0042	EA	24" x 30" Aluminum Engineer Grade Traffic Sign	.....	116.92	20.19
		For Hi-Intensity Grade, Add	.....	22.96	
		For Diamond Grade, Add	.....	43.63	
10 14 53 11-0043	EA	24" x 36" Aluminum Engineer Grade Traffic Sign	.....	132.23	20.19
		For Hi-Intensity Grade, Add	.....	27.56	
		For Diamond Grade, Add	.....	52.35	
10 14 53 11-0044	EA	24" x 42" Aluminum Engineer Grade Traffic Sign	.....	156.51	24.68
		For Hi-Intensity Grade, Add	.....	32.15	
		For Diamond Grade, Add	.....	61.08	
10 14 53 11-0045	EA	24" x 48" Aluminum Engineer Grade Traffic Sign	.....	171.82	24.68
		For Hi-Intensity Grade, Add	.....	36.74	
		For Diamond Grade, Add	.....	69.81	
10 14 53 11-0046	EA	24" x 54" Aluminum Engineer Grade Traffic Sign	.....	187.13	24.68
		For Hi-Intensity Grade, Add	.....	41.33	
		For Diamond Grade, Add	.....	78.53	
10 14 53 11-0047	EA	24" x 60" Aluminum Engineer Grade Traffic Sign	.....	202.43	24.68
		For Hi-Intensity Grade, Add	.....	45.92	
		For Diamond Grade, Add	.....	87.26	
10 14 53 11-0048	EA	30" x 30" Aluminum Engineer Grade Traffic Sign	.....	136.06	20.19
		For Hi-Intensity Grade, Add	.....	28.70	
		For Diamond Grade, Add	.....	54.54	
10 14 53 11-0049	EA	30" x 36" Aluminum Engineer Grade Traffic Sign	.....	164.16	24.68
		For Hi-Intensity Grade, Add	.....	34.44	
		For Diamond Grade, Add	.....	65.44	
10 14 53 11-0050	EA	30" x 42" Aluminum Engineer Grade Traffic Sign	.....	183.30	24.68
		For Hi-Intensity Grade, Add	.....	40.19	
		For Diamond Grade, Add	.....	76.35	
10 14 53 11-0051	EA	30" x 48" Aluminum Engineer Grade Traffic Sign	.....	211.40	29.16
		For Hi-Intensity Grade, Add	.....	45.92	
		For Diamond Grade, Add	.....	87.26	
10 14 53 11-0052	EA	30" x 60" Aluminum Engineer Grade Traffic Sign	.....	258.67	33.65
		For Hi-Intensity Grade, Add	.....	57.41	
		For Diamond Grade, Add	.....	109.08	
10 14 53 11-0053	EA	36" x 36" Aluminum Engineer Grade Traffic Sign	.....	187.13	24.68
		For Hi-Intensity Grade, Add	.....	41.33	
		For Diamond Grade, Add	.....	78.53	
10 14 53 11-0054	EA	36" x 42" Aluminum Engineer Grade Traffic Sign	.....	219.06	29.16
		For Hi-Intensity Grade, Add	.....	48.22	
		For Diamond Grade, Add	.....	91.62	
10 14 53 11-0055	EA	36" x 48" Aluminum Engineer Grade Traffic Sign	.....	251.01	33.65
		For Hi-Intensity Grade, Add	.....	55.11	
		For Diamond Grade, Add	.....	104.71	
10 14 53 11-0056	EA	36" x 54" Aluminum Engineer Grade Traffic Sign	.....	273.97	33.65
		For Hi-Intensity Grade, Add	.....	62.00	
		For Diamond Grade, Add	.....	117.80	
10 14 53 11-0057	EA	36" x 60" Aluminum Engineer Grade Traffic Sign	.....	305.91	38.13
		For Hi-Intensity Grade, Add	.....	68.89	
		For Diamond Grade, Add	.....	130.89	
10 14 53 11-0058	EA	36" x 73" Aluminum Engineer Grade Traffic Sign	.....	364.63	42.62
		For Hi-Intensity Grade, Add	.....	83.81	
		For Diamond Grade, Add	.....	159.25	
10 14 53 11-0059	EA	36" x 78" Aluminum Engineer Grade Traffic Sign	.....	383.77	42.62
		For Hi-Intensity Grade, Add	.....	89.56	
		For Diamond Grade, Add	.....	170.16	
10 14 53 11-0060	EA	36" x 108" Aluminum Engineer Grade Traffic Sign	.....	512.04	49.35
		For Hi-Intensity Grade, Add	.....	124.00	
		For Diamond Grade, Add	.....	235.60	
10 14 53 11-0061	EA	42" x 42" Aluminum Engineer Grade Traffic Sign	.....	254.84	33.65
		For Hi-Intensity Grade, Add	.....	56.26	
		For Diamond Grade, Add	.....	106.89	
10 14 53 11-0062	EA	48" x 48" Aluminum Engineer Grade Traffic Sign	.....	321.22	38.13
		For Hi-Intensity Grade, Add	.....	73.48	
		For Diamond Grade, Add	.....	139.62	
10 14 53 11-0063	EA	48" x 54" Aluminum Engineer Grade Traffic Sign	.....	360.80	42.62
		For Hi-Intensity Grade, Add	.....	82.67	
		For Diamond Grade, Add	.....	157.06	
10 14 53 11-0064	EA	48" x 60" Aluminum Engineer Grade Traffic Sign	.....	391.42	42.62
		For Hi-Intensity Grade, Add	.....	91.85	
		For Diamond Grade, Add	.....	174.52	
10 14 53 11-0065	EA	48" x 66" Aluminum Engineer Grade Traffic Sign	.....	435.50	49.35
		For Hi-Intensity Grade, Add	.....	101.04	
		For Diamond Grade, Add	.....	191.97	
10 14 53 11-0066	EA	48" x 72" Aluminum Engineer Grade Traffic Sign	.....	466.11	49.35
		For Hi-Intensity Grade, Add	.....	110.22	
		For Diamond Grade, Add	.....	209.42	
10 14 53 11-0067	EA	48" x 84" Aluminum Engineer Grade Traffic Sign	.....	536.32	53.84
		For Hi-Intensity Grade, Add	.....	128.59	
		For Diamond Grade, Add	.....	244.32	
10 14 53 11-0068	EA	48" x 96" Aluminum Engineer Grade Traffic Sign	.....	597.55	53.84
		For Hi-Intensity Grade, Add	.....	146.96	
		For Diamond Grade, Add	.....	279.23	
10 14 53 11-0069	EA	48" x 102" Aluminum Engineer Grade Traffic Sign	.....	628.17	53.84
		For Hi-Intensity Grade, Add	.....	156.15	
		For Diamond Grade, Add	.....	296.68	
10 14 53 11-0070	EA	48" x 108" Aluminum Engineer Grade Traffic Sign	.....	663.28	56.09
		For Hi-Intensity Grade, Add	.....	165.33	
		For Diamond Grade, Add		314.13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 14 53 11-0071	EA 60" x 72" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	566.93 137.78 261.77	53.84
10 14 53 11-0072	EA 72" x 144" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	1,245.78 330.66 628.26	71.79
10 14 53 11-0073	EA 78" x 96" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	908.21 238.81 453.74	56.09

10 14 53 11-0074 Polyethylene Engineer Grade Traffic Signs (10 14 53 11-0020)

10 14 53 11-0075	EA 6" x 12" Reflective Polyethylene Traffic Sign	76.13	16.87
10 14 53 11-0076	EA 12" x 12" Reflective Polyethylene Traffic Sign	86.59	17.94
10 14 53 11-0077	EA 12" x 18" Reflective Polyethylene Traffic Sign	92.70	19.12
10 14 53 11-0078	EA 18" x 18" Reflective Polyethylene Traffic Sign	111.94	20.19
10 14 53 11-0079	EA 18" x 24" Reflective Polyethylene Traffic Sign	138.11	21.35
10 14 53 11-0080	EA 24" x 24" Reflective Polyethylene Traffic Sign	155.31	21.35

10 14 53 11-0081 Non-Reflectorized Traffic Signs (10 14 53 11-0001)

Note: Includes reserved parking, handicap parking, visitor parking, no parking, tow away zones, etc. Excludes posts.

10 14 53 11-0082 Steel Non-Reflectorized Traffic Signs (10 14 53 11-0081)

10 14 53 11-0083	EA 6" x 12" Steel Non-Reflectorized Traffic Sign	41.94	17.94
10 14 53 11-0084	EA 6" x 18" Steel Non-Reflectorized Traffic Sign	44.96	17.94
10 14 53 11-0085	EA 9" x 12" Steel Non-Reflectorized Traffic Sign	44.96	17.94
10 14 53 11-0086	EA 9" x 15" Steel Non-Reflectorized Traffic Sign	47.23	17.94
10 14 53 11-0087	EA 9" x 18" Steel Non-Reflectorized Traffic Sign	49.49	17.94
10 14 53 11-0088	EA 9" x 24" Steel Non-Reflectorized Traffic Sign	56.25	19.07
10 14 53 11-0089	EA 9" x 48" Steel Non-Reflectorized Traffic Sign	74.37	19.07
10 14 53 11-0090	EA 12" x 12" Steel Non-Reflectorized Traffic Sign	47.98	17.94
10 14 53 11-0091	EA 12" x 18" Steel Non-Reflectorized Traffic Sign	56.25	19.07
10 14 53 11-0092	EA 12" x 24" Steel Non-Reflectorized Traffic Sign	62.29	19.07
10 14 53 11-0093	EA 12" x 30" Steel Non-Reflectorized Traffic Sign	68.33	19.07
10 14 53 11-0094	EA 12" x 36" Steel Non-Reflectorized Traffic Sign	74.37	19.07
10 14 53 11-0095	EA 18" x 18" Steel Non-Reflectorized Traffic Sign	65.31	19.07
10 14 53 11-0096	EA 18" x 24" Steel Non-Reflectorized Traffic Sign	74.37	19.07
10 14 53 11-0097	EA 18" x 30" Steel Non-Reflectorized Traffic Sign	85.68	20.19
10 14 53 11-0098	EA 18" x 36" Steel Non-Reflectorized Traffic Sign	94.75	20.19
10 14 53 11-0099	EA 18" x 48" Steel Non-Reflectorized Traffic Sign	121.84	24.68
10 14 53 11-0100	EA 18" x 54" Steel Non-Reflectorized Traffic Sign	130.90	24.68
10 14 53 11-0101	EA 24" x 24" Steel Non-Reflectorized Traffic Sign	88.70	20.19
10 14 53 11-0102	EA 24" x 30" Steel Non-Reflectorized Traffic Sign	100.79	20.19
10 14 53 11-0103	EA 24" x 36" Steel Non-Reflectorized Traffic Sign	112.87	20.19
10 14 53 11-0104	EA 24" x 42" Steel Non-Reflectorized Traffic Sign	133.92	24.68
10 14 53 11-0105	EA 24" x 48" Steel Non-Reflectorized Traffic Sign	146.00	24.68
10 14 53 11-0106	EA 24" x 54" Steel Non-Reflectorized Traffic Sign	158.08	24.68
10 14 53 11-0107	EA 24" x 60" Steel Non-Reflectorized Traffic Sign	170.16	24.68
10 14 53 11-0108	EA 30" x 30" Steel Non-Reflectorized Traffic Sign	115.89	20.19
10 14 53 11-0109	EA 30" x 36" Steel Non-Reflectorized Traffic Sign	139.96	24.68
10 14 53 11-0110	EA 30" x 42" Steel Non-Reflectorized Traffic Sign	155.06	24.68
10 14 53 11-0111	EA 30" x 48" Steel Non-Reflectorized Traffic Sign	179.13	29.16
10 14 53 11-0112	EA 30" x 60" Steel Non-Reflectorized Traffic Sign	218.32	33.65
10 14 53 11-0113	EA 36" x 36" Steel Non-Reflectorized Traffic Sign	158.08	24.68
10 14 53 11-0114	EA 36" x 42" Steel Non-Reflectorized Traffic Sign	185.17	29.16
10 14 53 11-0115	EA 36" x 48" Steel Non-Reflectorized Traffic Sign	212.28	33.65
10 14 53 11-0116	EA 36" x 54" Steel Non-Reflectorized Traffic Sign	230.41	33.65
10 14 53 11-0117	EA 36" x 60" Steel Non-Reflectorized Traffic Sign	257.50	38.13
10 14 53 11-0118	EA 36" x 73" Steel Non-Reflectorized Traffic Sign	305.73	42.62
10 14 53 11-0119	EA 36" x 78" Steel Non-Reflectorized Traffic Sign	320.83	42.62
10 14 53 11-0120	EA 36" x 108" Steel Non-Reflectorized Traffic Sign	424.90	49.35
10 14 53 11-0121	EA 42" x 42" Steel Non-Reflectorized Traffic Sign	215.30	33.65
10 14 53 11-0122	EA 48" x 48" Steel Non-Reflectorized Traffic Sign	269.58	38.13
10 14 53 11-0123	EA 48" x 54" Steel Non-Reflectorized Traffic Sign	302.71	42.62
10 14 53 11-0124	EA 48" x 60" Steel Non-Reflectorized Traffic Sign	326.87	42.62
10 14 53 11-0125	EA 48" x 66" Steel Non-Reflectorized Traffic Sign	364.50	49.35
10 14 53 11-0126	EA 48" x 72" Steel Non-Reflectorized Traffic Sign	388.66	49.35
10 14 53 11-0127	EA 48" x 84" Steel Non-Reflectorized Traffic Sign	445.95	53.84
10 14 53 11-0128	EA 48" x 96" Steel Non-Reflectorized Traffic Sign	494.28	53.84
10 14 53 11-0129	EA 48" x 102" Steel Non-Reflectorized Traffic Sign	518.44	53.84
10 14 53 11-0130	EA 48" x 108" Steel Non-Reflectorized Traffic Sign	547.09	56.09
10 14 53 11-0131	EA 60" x 72" Steel Non-Reflectorized Traffic Sign	470.12	53.84
10 14 53 11-0132	EA 72" x 144" Steel Non-Reflectorized Traffic Sign	1,013.41	71.79
10 14 53 11-0133	EA 78" x 96" Steel Non-Reflectorized Traffic Sign	740.39	56.09

10 14 53 11-0134 Aluminum Non-Reflectorized Traffic Signs (10 14 53 11-0081)

10 14 53 11-0135	EA 6" x 12" Aluminum Non-Reflectorized Traffic Sign	42.19	17.94
10 14 53 11-0136	EA 6" x 18" Aluminum Non-Reflectorized Traffic Sign	45.33	17.94
10 14 53 11-0137	EA 9" x 12" Aluminum Non-Reflectorized Traffic Sign	45.33	17.94
10 14 53 11-0138	EA 9" x 15" Aluminum Non-Reflectorized Traffic Sign	47.69	17.94
10 14 53 11-0139	EA 9" x 18" Aluminum Non-Reflectorized Traffic Sign	50.05	17.94
10 14 53 11-0140	EA 9" x 24" Aluminum Non-Reflectorized Traffic Sign	56.99	19.07
10 14 53 11-0141	EA 9" x 48" Aluminum Non-Reflectorized Traffic Sign	75.85	19.07

10	10	Specialties
	10 10	Information Specialties
	10 14	Signage



MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
10 14 53 11-0142	EA	12" x 12" Aluminum Non-Reflectorized Traffic Sign	48.47	17.94	
10 14 53 11-0143	EA	12" x 18" Aluminum Non-Reflectorized Traffic Sign	56.99	19.07	
10 14 53 11-0144	EA	12" x 24" Aluminum Non-Reflectorized Traffic Sign	63.28	19.07	
10 14 53 11-0145	EA	12" x 30" Aluminum Non-Reflectorized Traffic Sign	69.56	19.07	
10 14 53 11-0146	EA	12" x 36" Aluminum Non-Reflectorized Traffic Sign	75.85	19.07	
10 14 53 11-0147	EA	18" x 18" Aluminum Non-Reflectorized Traffic Sign	66.42	19.07	
10 14 53 11-0148	EA	18" x 24" Aluminum Non-Reflectorized Traffic Sign	75.85	19.07	
10 14 53 11-0149	EA	18" x 30" Aluminum Non-Reflectorized Traffic Sign	87.53	20.19	
10 14 53 11-0150	EA	18" x 36" Aluminum Non-Reflectorized Traffic Sign	96.96	20.19	
10 14 53 11-0151	EA	18" x 48" Aluminum Non-Reflectorized Traffic Sign	124.79	24.68	
10 14 53 11-0152	EA	18" x 54" Aluminum Non-Reflectorized Traffic Sign	134.22	24.68	
10 14 53 11-0153	EA	24" x 24" Aluminum Non-Reflectorized Traffic Sign	90.67	20.19	
10 14 53 11-0154	EA	24" x 30" Aluminum Non-Reflectorized Traffic Sign	103.25	20.19	
10 14 53 11-0155	EA	24" x 36" Aluminum Non-Reflectorized Traffic Sign	115.82	20.19	
10 14 53 11-0156	EA	24" x 42" Aluminum Non-Reflectorized Traffic Sign	137.36	24.68	
10 14 53 11-0157	EA	24" x 48" Aluminum Non-Reflectorized Traffic Sign	149.94	24.68	
10 14 53 11-0158	EA	24" x 54" Aluminum Non-Reflectorized Traffic Sign	162.51	24.68	
10 14 53 11-0159	EA	24" x 60" Aluminum Non-Reflectorized Traffic Sign	175.09	24.68	
10 14 53 11-0160	EA	30" x 30" Aluminum Non-Reflectorized Traffic Sign	118.96	20.19	
10 14 53 11-0161	EA	30" x 36" Aluminum Non-Reflectorized Traffic Sign	143.65	24.68	
10 14 53 11-0162	EA	30" x 42" Aluminum Non-Reflectorized Traffic Sign	159.37	24.68	
10 14 53 11-0163	EA	30" x 48" Aluminum Non-Reflectorized Traffic Sign	184.06	29.16	
10 14 53 11-0164	EA	30" x 60" Aluminum Non-Reflectorized Traffic Sign	224.48	33.65	
10 14 53 11-0165	EA	36" x 36" Aluminum Non-Reflectorized Traffic Sign	162.51	24.68	
10 14 53 11-0166	EA	36" x 42" Aluminum Non-Reflectorized Traffic Sign	190.34	29.16	
10 14 53 11-0167	EA	36" x 48" Aluminum Non-Reflectorized Traffic Sign	218.19	33.65	
10 14 53 11-0168	EA	36" x 54" Aluminum Non-Reflectorized Traffic Sign	237.05	33.65	
10 14 53 11-0169	EA	36" x 60" Aluminum Non-Reflectorized Traffic Sign	264.88	38.13	
10 14 53 11-0170	EA	36" x 73" Aluminum Non-Reflectorized Traffic Sign	314.72	42.62	
10 14 53 11-0171	EA	36" x 78" Aluminum Non-Reflectorized Traffic Sign	330.43	42.62	
10 14 53 11-0172	EA	36" x 108" Aluminum Non-Reflectorized Traffic Sign	438.19	49.35	
10 14 53 11-0173	EA	42" x 42" Aluminum Non-Reflectorized Traffic Sign	221.34	33.65	
10 14 53 11-0174	EA	48" x 48" Aluminum Non-Reflectorized Traffic Sign	277.46	38.13	
10 14 53 11-0175	EA	48" x 54" Aluminum Non-Reflectorized Traffic Sign	311.57	42.62	
10 14 53 11-0176	EA	48" x 60" Aluminum Non-Reflectorized Traffic Sign	336.72	42.62	
10 14 53 11-0177	EA	48" x 66" Aluminum Non-Reflectorized Traffic Sign	375.33	49.35	
10 14 53 11-0178	EA	48" x 72" Aluminum Non-Reflectorized Traffic Sign	400.47	49.35	
10 14 53 11-0179	EA	48" x 84" Aluminum Non-Reflectorized Traffic Sign	459.74	53.84	
10 14 53 11-0180	EA	48" x 96" Aluminum Non-Reflectorized Traffic Sign	510.03	53.84	
10 14 53 11-0181	EA	48" x 102" Aluminum Non-Reflectorized Traffic Sign	535.18	53.84	
10 14 53 11-0182	EA	48" x 108" Aluminum Non-Reflectorized Traffic Sign	564.82	56.09	
10 14 53 11-0183	EA	60" x 72" Aluminum Non-Reflectorized Traffic Sign	484.89	53.84	
10 14 53 11-0184	EA	72" x 144" Aluminum Non-Reflectorized Traffic Sign	1,048.86	71.79	
10 14 53 11-0185	EA	78" x 96" Aluminum Non-Reflectorized Traffic Sign	765.99	56.09	
10 14 53 11-0186		Polyethylene Non-Reflectorized Traffic Signs (10 14 53 11-0081)			
10 14 53 11-0187	EA	6" x 12" Non-Reflective Polyethylene Traffic Sign	64.15	16.87	
10 14 53 11-0188	EA	12" x 12" Non-Reflective Polyethylene Traffic Sign	70.17	17.94	
10 14 53 11-0189	EA	12" x 18" Non-Reflective Polyethylene Traffic Sign	75.57	19.12	
10 14 53 11-0190	EA	18" x 18" Non-Reflective Polyethylene Traffic Sign	99.70	20.19	
10 14 53 11-0191	EA	18" x 24" Non-Reflective Polyethylene Traffic Sign	106.85	21.35	
10 14 53 11-0192	EA	24" x 24" Non-Reflective Polyethylene Traffic Sign	124.08	22.44	
10 14 53 11-0193		Signs For Overhead Sign Structures (10 14 53 11-0001)			
		Note: Including horizontal Z-bars.			
10 14 53 11-0194	SF	From 30 To 360 SF Signs For Overhead Sign Structures	25.00		
		For Over 10' High, Add	13.00		
10 14 53 11-0195	VLF	Vertical Sign Hangers For Overhead Sign Structures, Per Hanger	32.50		
		Note: Includes U-bolts, vertical aluminum Z-bars, clip angles and stainless steel hardware.			
10 14 53 11-0196		Flashing Beacon (10 14 53 11-0001)			
10 14 53 11-0197	EA	Flashing Beacon Assembly	1,352.74	188.12	
10 14 53 11-0198		Aluminum Street Signs (10 14 53 11-0001)			
		Note: Excludes posts.			
10 14 53 11-0199		Aluminum Engineer Grade Street Signs (10 14 53 11-0198)			
10 14 53 11-0200	EA	6" High, Aluminum Engineer Grade Street Sign	81.24	8.97	
		For Hi-Intensity Grade, Add	18.99		
		For Diamond Grade, Add	36.08		
10 14 53 11-0201	EA	8" High, Aluminum Engineer Grade Street Sign	92.41	8.97	
		For Hi-Intensity Grade, Add	22.34		
		For Diamond Grade, Add	42.45		
10 14 53 11-0202	EA	9" High, Aluminum Engineer Grade Street Sign	100.73	8.97	
		For Hi-Intensity Grade, Add	24.84		
		For Diamond Grade, Add	47.19		
10 14 53 11-0203		Street Sign Accessories (10 14 53 11-0198)			
10 14 53 11-0204	EA	Single Bracket And Post Cap For Street Sign	24.20	4.49	
10 14 53 11-0205	EA	Double Bracket And Post Cap For Street Sign	24.20	4.49	

Specialties		10
Information Specialties		10 10
Signage		10 14
MINOR	DESCRIPTION	TOTAL DIRECT
CSI	UOM	UNIT COST
		DEMOLITION
		UNIT COST

10 14 53 11-0206		Sign Posts (10 14 53 11-0001) Note: Excludes sign. See CSI section 32 31 13 13-0001 for auguring of holes and backfill.		
10 14 53 11-0207		U-Channel Sign Posts (10 14 53 11-0206) Note: Excludes digging and concrete.		
10 14 53 11-0208		Baked Enamel U-Channel Sign Posts (10 14 53 11-0207)		
10 14 53 11-0209	EA	3' To 4' Baked Enamel U-Channel Sign Post Base	63.15	18.36
10 14 53 11-0210	EA	6' Baked Enamel U-Channel Sign Post	83.06	22.96
10 14 53 11-0211	EA	7' Baked Enamel U-Channel Sign Post	99.15	27.55
10 14 53 11-0212	EA	8' Baked Enamel U-Channel Sign Post	116.11	32.14
10 14 53 11-0213	EA	10' Baked Enamel U-Channel Sign Post	140.08	39.02
10 14 53 11-0214	EA	12' Baked Enamel U-Channel Sign Post	144.31	39.02
10 14 53 11-0215		Galvanized Steel U-Channel Sign Posts (10 14 53 11-0207)		
10 14 53 11-0216	EA	3' To 4' Galvanized Steel U-Channel Sign Post Base	68.59	18.36
10 14 53 11-0217	EA	6' Galvanized Steel U-Channel Sign Post	91.70	22.96
10 14 53 11-0218	EA	7' Galvanized Steel U-Channel Sign Post	118.70	27.55
10 14 53 11-0219	EA	8' Galvanized Steel U-Channel Sign Post	137.72	32.14
10 14 53 11-0220	EA	10' Galvanized Steel U-Channel Sign Post	155.81	39.02
10 14 53 11-0221	EA	12' Galvanized Steel U-Channel Sign Post	158.00	39.02
10 14 53 11-0222		Fiberglass Or Composite Plastic U-Channel Sign Posts (10 14 53 11-0207)		
10 14 53 11-0223	EA	3' To 4' Fiberglass Or Composite Plastic U-Channel Sign Post Base	61.87	18.36
10 14 53 11-0224	EA	6' Fiberglass Or Composite Plastic U-Channel Sign Post	80.27	22.96
10 14 53 11-0225	EA	7' Fiberglass Or Composite Plastic U-Channel Sign Post	95.78	27.55
10 14 53 11-0226	EA	8' Fiberglass Or Composite Plastic U-Channel Sign Post	112.09	32.14
10 14 53 11-0227	EA	10' Fiberglass Or Composite Plastic U-Channel Sign Post	132.79	39.02
10 14 53 11-0228	EA	12' Fiberglass Or Composite Plastic U-Channel Sign Post	139.99	39.02
10 14 53 11-0229		Tubular Sign Posts (10 14 53 11-0206) Note: Excludes digging and concrete.		
10 14 53 11-0230		2-3/8" Diameter, Galvanized Steel Tubular Sign Post (10 14 53 11-0229)		
10 14 53 11-0231	EA	6", 2-3/8" Diameter, Galvanized Steel Tubular Sign Post	92.60	22.96
10 14 53 11-0232	EA	7", 2-3/8" Diameter, Galvanized Steel Tubular Sign Post	109.83	27.55
10 14 53 11-0233	EA	8", 2-3/8" Diameter, Galvanized Steel Tubular Sign Post	129.80	32.14
10 14 53 11-0234	EA	10", 2-3/8" Diameter, Galvanized Steel Tubular Sign Post	167.63	39.02
10 14 53 11-0235	EA	12", 2-3/8" Diameter, Galvanized Steel Tubular Sign Post	182.47	39.02
10 14 53 11-0236		Square Sign Posts (10 14 53 11-0206) Note: Excludes digging and concrete.		
10 14 53 11-0237		Galvanized Steel Square Sign Posts (10 14 53 11-0236)		
10 14 53 11-0238	EA	3' To 4' Galvanized Steel Square Sign Post Base	69.80	18.36
10 14 53 11-0239	EA	6' Galvanized Steel Square Sign Post	112.17	22.96
10 14 53 11-0240	EA	7' Galvanized Steel Square Sign Post	131.44	27.55
10 14 53 11-0241	EA	8' Galvanized Steel Square Sign Post	153.31	32.14
10 14 53 11-0242	EA	10' Galvanized Steel Square Sign Post	187.25	39.02
10 14 53 11-0243	EA	12' Galvanized Steel Square Sign Post	197.61	39.02
10 14 53 11-0244		Standard Driven Street Sign Posts, Square (10 14 53 11-0206)		
10 14 53 11-0245	EA	12' x 2" Square 12 Gauge Galvanized Steel Sign Post With 1'-6" x 2-1/2" Square Sleeve And 2'-6" x 2-1/4" Square Anchor Driven Into Earth	237.23	39.02
10 14 53 11-0246		Other Sign Posts And Bases (10 14 53 11-0001) Note: For breakaway post systems, base posts are driven in, sign posts bolted to base post using lap splice hardware kit.		
10 14 53 11-0247		2.5 Lb./FT Breakaway Sign Posts And Base Posts (10 14 53 11-0246)		
10 14 53 11-0248		Base Posts, 2.5 Lb./LF, For Breakaway Sign Posts (10 14 53 11-0247)		
10 14 53 11-0249	EA	Base Post for 2.5 Lb./LF Breakaway Sign Post	95.59	22.44
10 14 53 11-0250	EA	Lap Splice Hardware For 2.5 Lb./LF Breakaway Sign Post	59.69	17.94
10 14 53 11-0251		Breakaway Sign Posts, 2.5 Lb./LF (10 14 53 11-0247)		
10 14 53 11-0252	LF	2.5 Lb./LF Breakaway Sign Post	12.55	2.25
10 14 53 11-0253		4 Lb./FT Breakaway Sign Posts And Base Posts (10 14 53 11-0246)		
10 14 53 11-0254		Base Posts, 4 Lb./LF, For Breakaway Sign Posts (10 14 53 11-0253)		
10 14 53 11-0255	EA	Base Post For 4 Lb./LF Breakaway Sign Post	100.23	26.92
10 14 53 11-0256	EA	Lap Splice Hardware for 4 Lb./LF Breakaway Sign Post	59.69	17.94
10 14 53 11-0257		Breakaway Sign Posts, 4 Lb./LF (10 14 53 11-0253)		
10 14 53 11-0258	LF	4 Lb./LF Breakaway Sign Post	15.43	2.25

10	10	Specialties
	10 10	Information Specialties
	10 14	Signage

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 14 53 11-0259			Driven Sign Posts (10 14 53 11-0246)		
10 14 53 11-0260			Driven Posts, 2.5 Lb./LF (10 14 53 11-0259)		
10 14 53 11-0261	LF		2.5 Lb./LF Driven Post	13.44	3.14
10 14 53 11-0262			Driven Posts, 4 Lb./LF (10 14 53 11-0259)		
10 14 53 11-0263	LF		4 Lb./LF Driven Post	16.77	3.59
10 14 53 11-0264			Omni-Directional Breakaway System For Sign Posts And Light Poles (10 14 53 11-0246)		
10 14 53 11-0265			Omni-Directional Breakaway Systems For Signs (10 14 53 11-0264) Note: Break-Safe as manufactured by Trampo Industries. Tasks are organized by post type and size. Includes hinges, anchors, all associated parts and drilling.		
10 14 53 11-0266	EA		Omni-Directional Breakaway System For 6" To 8" Wide Flange (Trampo B525).....	1,466.37	
10 14 53 11-0267	EA		Omni-Directional Breakaway System For 10" To 21" Wide Flange (Trampo B650).....	1,562.40	
10 14 53 11-0268	EA		Omni-Directional Breakaway System For Standard I Beam Or W6x9 Flange (Trampo A14 And A16).....	1,071.15	
10 14 53 11-0269	EA		Omni-Directional Breakaway System For 3" To 4.5" Outside Diameter Pipe (Trampo A3 And A4.5)	938.19	
10 14 53 11-0270	EA		Omni-Directional Breakaway System For Square Tube (Trampo AS3 And AS4)	1,063.76	
10 14 53 11-0271	EA		Omni-Directional Breakaway System For U-Channels (Trampo AU4 To AU6).....	1,012.06	
10 14 53 11-0272	EA		Omni-Directional Breakaway System For U-Channels Embedded (Trampo AUX4 To AUX6).....	1,097.00	
10 14 53 11-0273			Omni-Directional Breakaway Systems For Poles (10 14 53 11-0264) Note: Pole-Safe as Manufactured by Trampo Industries. Tasks are organized by bolt size. Includes four couplings, all associated parts, drilling and can be for new or for retrofitting existing poles.		
10 14 53 11-0274	EA		Omni-Directional Breakaway System For Poles With 5/8" Couplings	493.22	
10 14 53 11-0275	EA		Omni-Directional Breakaway System For Poles With 3/4" Couplings	517.09	
10 14 53 11-0276	EA		Omni-Directional Breakaway System For Poles With 1" Couplings	536.98	
10 14 53 11-0277	EA		Omni-Directional Breakaway System For Poles With 1 1/4" Couplings	815.40	
10 14 53 11-0278	EA		Skirt For Omni-Directional Breakaway System For Poles With Bolt Circle Diameter Of 10" To Less Than 15"	71.59	
10 14 53 11-0279	EA		Skirt For Omni-Directional Breakaway System For Poles With Bolt Circle Diameter Of 15" To 20"	95.46	
10 14 53 11-0280			Sign Post Accessories (10 14 53 11-0001)		
10 14 53 11-0281			Sign Post Brackets (10 14 53 11-0280)		
10 14 53 11-0282	EA		2-3/8" Outside Diameter, Single Side Sign Bracket Set	48.10	6.73
			Note: Includes 2 single side signpost brackets		
10 14 53 11-0283	EA		2-3/8" Outside Diameter, Double Side Sign Bracket Set	64.07	11.22
			Note: Includes 2 double side signpost brackets		
10 14 53 11-0284	EA		4" To 12" Diameter, Buckle Bracket Set	58.06	8.97
			Note: Includes 2 stainless steel straps, 2 brackets and fastener hardware		
10 14 53 11-0285			Sign Post Caps (10 14 53 11-0280)		
10 14 53 11-0286	EA		2-3/8" Diameter, Galvanized, Flat Traffic Sign Post Cap (EC-2).....	21.89	4.49
10 14 53 11-0287			Sign Post Replacement Bolts (10 14 53 11-0280)		
10 14 53 11-0288	EA		Signage Fasteners Replacement.....	15.16	
			Note: Includes two 5/16" x 2" long bolts, two 5/16" nuts And four 5/16" washers		
10 14 53 11-0289			Removal Of Signs (10 14 53 11) Note: Includes structural supports.		
10 14 53 11-0290	EA		>4 To 10 SF Sign Area, Sign Removal	179.47	
10 14 53 11-0291	EA		>10 To 20 SF Sign Area, Sign Removal	430.73	
10 14 53 11-0292	EA		>20 To 40 SF Sign Area, Sign Removal	646.09	
10 14 53 11-0293	EA		>40 To 100 SF Sign Area, Sign Removal	1,064.28	
10 14 53 11-0294			Removal And Reinstallation Of Signs (10 14 53 11) Note: Includes structural supports.		
10 14 53 11-0295	EA		>4 To 10 SF Sign Area, Removal And Reinstallation Of Sign	273.95	
10 14 53 11-0296	EA		>10 To 20 SF Sign Area, Removal And Reinstallation Of Sign	649.48	
10 14 53 11-0297	EA		>20 SF To 40 SF Sign Area, Removal And Reinstallation Of Sign	972.02	
10 14 53 11-0298	EA		>40 SF To 100 SF Sign Area, Removal And Reinstallation Of Sign	1,599.10	
10 14 53 11-0299	EA		Removal And Reinstallation Of Street Sign On Post	103.19	
10 14 53 11-0300	EA		Removal And Relocation Of Traffic Light.....	380.35	
			Note: Excludes electrical hookup.		
10 14 56			Bridge Signage (10 14)		
10 14 56 00-0001			Bridge And Truss Mounted Signs (10 14 56)		
10 14 56 00-0002			Removal Of Bridge And Truss Mounted Signs (10 14 56 00-0001)		
10 14 56 00-0003	CF		Removal Of Foundation	17.25	
			Note: Including Excavation		
10 14 56 00-0004	LF		Removal Of Truss And Supports	229.22	
10 14 56 00-0005	SF		Removal Of Sign Face	10.48	
10 14 56 00-0006	SF		Removal Of Legend	17.46	

			Specialties	10	10
			Information Specialties	10 10	
			Signage	10 14	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

10 14 56 00-0007	EA	Removal Of Changeable Message Panel.....	201.51	
10 14 56 00-0008	EA	Removal Of Posts And Supports, Per Post	104.79	
10 14 56 00-0009		Fabricate And Install Bridge And Truss Mounted Signs (10 14 56 00-0001)		
10 14 56 00-0010	CY	Foundation For Sign Excavation, Backfill, Compaction, Concrete, Rebar, Forms And Finish	609.61	
10 14 56 00-0011	LF	Telescoping Steel Ground Posts	103.16	
10 14 56 00-0012	LF	Overhead Steel Mounting Framework	1,830.19	
10 14 56 00-0013	LB	Ground Mounted Steel Structure	7.29	
10 14 56 00-0014		Fabricate And Install New 12" Extruded Aluminum Channel (10 14 56 00-0001)		
Note: Includes reflective face with reflective legend.				
10 14 56 00-0015	SF	1 To 49.9 SF, 12" Extruded Aluminum Channel Including Reflective Face With Reflective Legend.....	131.14	
10 14 56 00-0016	SF	50 To 99.9 SF, 12" Extruded Aluminum Channel Including Reflective Face With Reflective Legend.....	116.98	
10 14 56 00-0017	SF	100 To 149.9 SF, 12" Extruded Aluminum Channel Including Reflective Face With Reflective Legend.....	104.64	
10 14 56 00-0018	SF	>150 SF, 12" Extruded Aluminum Channel Including Reflective Face With Reflective Legend.....	94.05	
10 14 56 00-0019		Fabricate And Install New Reflective Messages On Sign Face (10 14 56 00-0001)		
10 14 56 00-0020		One Color/3 Dimensional Demountable Letters (10 14 56 00-0019)		
10 14 56 00-0021	EA	6" Capital Height Letter	29.66	
10 14 56 00-0022	EA	8" Capital Height Letter	35.03	
10 14 56 00-0023	EA	10" Capital Height Letter	40.36	
10 14 56 00-0024	EA	12" Capital Height Letter	45.18	
10 14 56 00-0025	EA	14" Capital Height Letter	47.99	
10 14 56 00-0026		Two Color Legend Shields-Die Cut Vinyl Engineer Grade (10 14 56 00-0019)		
10 14 56 00-0027	EA	6" Legend/Shields.....	30.61	
10 14 56 00-0028	EA	8" Legend/Shields.....	36.30	
10 14 56 00-0029	EA	10" Legend/Shields.....	41.94	
10 14 56 00-0030	EA	12" Legend/Shields.....	47.07	
10 14 56 00-0031	EA	14" Legend/Shields.....	50.23	
10 14 56 00-0032		Fabricate And Install New Changeable Message Panel (10 14 56 00-0001)		
10 14 56 00-0033	SF	One Color Hi-Intensity Die Cut Vinyl Letters on Demountable Panel.....	35.36	
10 14 63		Electronic Message Signage (10 14)		
10 14 63 00-0001		Dynamic Signs (10 14 63)		
10 14 63 00-0002		Programming/Software And Repair (10 14 63 00-0001)		
10 14 63 00-0003	HR	Programming Message, Graphic Visuals, Movement Of Message, And Timing Of Visuals On Screen	186.57	
10 14 63 00-0004	HR	Repair/Replacement Of Electronic Sign And Computer Components	116.60	
10 14 63 00-0005	HR	Repair Flip Disks Or Light Source.....	116.60	
10 14 63 00-0006		Fabricate And Install New Sign Cabinets (10 14 63 00-0001)		
10 14 63 00-0007		Cabinet For Flip Disk Display (10 14 63 00-0006)		
10 14 63 00-0008	SF	1 To 99 SF Cabinet.....	209.85	
10 14 63 00-0009	SF	100 To 200 SF Cabinet.....	171.88	
10 14 63 00-0010		Fabricate And Install New Sign Face Components (10 14 63 00-0001)		
10 14 63 00-0011		Enhanced Flip Disk Display (10 14 63 00-0010)		
10 14 63 00-0012	EA	Enhanced Flip Disk.....	150.05	
10 14 63 00-0013	SF	Lexan Lens For Flip Disk Sign	59.47	
10 14 63 00-0014		Disappearing Copy Sign (10 14 63 00-0010)		
10 14 63 00-0015	SF	1 To 49.9 SF, Disappearing Copy Sign	49.44	
10 14 63 00-0016	SF	=>50 SF, Disappearing Copy Sign	35.62	
10 14 63 00-0017		Fabricate And Install Transfer Lights And Signs (10 14 63 00-0001)		
10 14 63 00-0018	EA	Passenger Transfer Signage	601.21	

10 20 Interior Specialties (10)

10 21 Compartments and Cubicles (10 20)

10 21 13 Toilet Compartments (10 21)

10 21 13 13 Metal Toilet Compartments (10 21 13)

10	10	Specialties
	10 20	Interior Specialties
	10 21	Compartments and Cubicles

MINOR		TOTAL DIRECT		DEMOLITION	
CSI UOM DESCRIPTION		UNIT COST		UNIT COST	
10 21 13 13-0001	Enamel Coated Steel Toilet Partitions And Urinal Screens (10 21 13 13) Note: Complete toilet partitions for corner installations. Includes 1" door, 1-1/4" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of galvanized sheet metal, cleaned, primed and finished with oven baked enamel or epoxy coating.				
10 21 13 13-0002	Enamel Coated Steel Toilet Partitions (10 21 13 13-0001) Note: All colors.				
10 21 13 13-0003	Floor Anchored, Enamel Coated Steel, Complete Toilet Partitions (10 21 13 13-0002)				
10 21 13 13-0004	EA 36" x 60", Floor Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition.....	1,120.72		144.43	
	For >10, Deduct	-83.19			
	For Heavy Gauge Full-Height SS Hinges And Brackets, Add	224.59			
10 21 13 13-0005	EA 60" x 60", Floor Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition	1,353.87		157.27	
	For Heavy Gauge Full-Height SS Hinges And Brackets, Add	224.59			
10 21 13 13-0006	EA 60" x 78", Floor Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition	1,445.58		163.69	
	For Heavy Gauge Full-Height SS Hinges And Brackets, Add	224.59			
10 21 13 13-0007	Overhead Braced, Enamel Coated Steel, Complete Toilet Partitions (10 21 13 13-0002) Note: Includes head rail.				
10 21 13 13-0008	EA 36" x 60", Overhead Braced, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition	1,169.11		176.54	
	For >10, Deduct	-81.61			
	For Heavy Gauge Full-Height SS Hinges And Brackets, Add	224.59			
10 21 13 13-0009	EA 60" x 60", Overhead Braced, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition	1,356.81		189.37	
	For Heavy Gauge Full-Height SS Hinges And Brackets, Add	224.59			
10 21 13 13-0010	EA 60" x 78", Overhead Braced, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition	1,433.89		195.79	
	For Heavy Gauge Full-Height SS Hinges And Brackets, Add	224.59			
10 21 13 13-0011	Floor And Ceiling Anchored, Enamel Coated Steel, Complete Toilet Partitions (10 21 13 13-0002) Note: Excludes above ceiling steel.				
10 21 13 13-0012	EA 36" x 60", Floor And Ceiling Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition	1,379.90		208.63	
	For >10, Deduct	-96.26			
	For Heavy Gauge Full-Height SS Hinges And Brackets, Add	224.59			
10 21 13 13-0013	EA 60" x 60", Floor And Ceiling Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition	1,606.89		221.47	
	For Heavy Gauge Full-Height SS Hinges And Brackets, Add	224.59			
10 21 13 13-0014	EA 60" x 78", Floor And Ceiling Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition	1,687.38		227.88	
	For Heavy Gauge Full-Height SS Hinges And Brackets, Add	224.59			
10 21 13 13-0015	Ceiling Hung, Enamel Coated Steel, Complete Toilet Partitions (10 21 13 13-0002) Note: Excludes above ceiling steel.				
10 21 13 13-0016	EA 36" x 60", Ceiling Hung, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition.....	1,337.01		240.72	
	For >10, Deduct	-85.56			
	For Heavy Gauge Full-Height SS Hinges And Brackets, Add	224.59			
10 21 13 13-0017	EA 60" x 60", Ceiling Hung, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,601.78		253.57	
	For Heavy Gauge Full-Height SS Hinges And Brackets, Add	224.59			
10 21 13 13-0018	EA 60" x 78", Ceiling Hung, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,691.20		259.99	
	For Heavy Gauge Full-Height SS Hinges And Brackets, Add	224.59			
10 21 13 13-0019	Enamel Coated Steel Urinal Screens (10 21 13 13-0001) Note: All colors.				
10 21 13 13-0020	Floor Anchored, Enamel Coated Steel, Urinal Screens (10 21 13 13-0019)				
10 21 13 13-0021	EA 24" x 58" x 1", Floor Anchored, Enamel Coated Steel, Urinal Screen.....	594.61		89.84	
	For Heavy Gauge Full-Height SS Brackets, Add	62.23			
10 21 13 13-0022	EA 36" x 58" x 1", Floor Anchored, Enamel Coated Steel, Urinal Screen.....	658.83		96.25	
	For Heavy Gauge Full-Height SS Brackets, Add	62.23			
10 21 13 13-0023	EA 48" x 58" x 1", Floor Anchored, Enamel Coated Steel, Urinal Screen.....	725.00		102.67	
	For Heavy Gauge Full-Height SS Brackets, Add	62.23			
10 21 13 13-0024	Wall Hung, Enamel Coated Steel, Urinal Screens (10 21 13 13-0019)				
10 21 13 13-0025	EA 18" x 42" x 1", Wall Hung, Enamel Coated Steel, Urinal Screen.....	339.74		77.00	
	For Heavy Gauge Full-Height SS Brackets, Add	62.23			
10 21 13 13-0026	EA 24" x 42" x 1", Wall Hung, Enamel Coated Steel, Urinal Screen.....	366.42		83.42	
	For Heavy Gauge Full-Height SS Brackets, Add	62.23			
10 21 13 13-0027	EA 30" x 42" x 1", Wall Hung, Enamel Coated Steel, Urinal Screen.....	387.14		89.84	
	For Heavy Gauge Full-Height SS Brackets, Add	62.23			
10 21 13 13-0028	Wall Hung, Wedge Shaped, Enamel Coated Steel, Urinal Screens (10 21 13 13-0019)				
10 21 13 13-0029	EA 18" x 30" x 1", Wall Hung, Wedge Shaped, Enamel Coated Steel, Urinal Screen.....	437.46		83.42	
	For Heavy Gauge Full-Height SS Brackets, Add	62.23			

Specialties			10
Interior Specialties			10 20
Compartments and Cubicles			10 21
MINOR	CSI	UOM	DESCRIPTION
			TOTAL DIRECT UNIT COST
			DEMOLITION UNIT COST

10 21 13 13-0030	Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screens (10 21 13 13-0019)			
10 21 13 13-0031	EA	18" x 58" x 1", Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screen.....	488.91	83.42
		For Heavy Gauge Full-Height SS Brackets, Add	62.23	
10 21 13 13-0032	EA	24" x 58" x 1", Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screen.....	521.51	89.84
		For Heavy Gauge Full-Height SS Brackets, Add	62.23	
10 21 13 13-0033	EA	30" x 58" x 1", Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screen.....	554.10	96.25
		For Heavy Gauge Full-Height SS Brackets, Add	62.23	
10 21 13 13-0034	Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screens (10 21 13 13-0019)			
10 21 13 13-0035	EA	22" x 58" x 1", Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screen	551.14	89.84
		For Heavy Gauge Full-Height SS Brackets, Add	62.23	
10 21 13 13-0036	EA	34" x 58" x 1", Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screen	591.64	96.25
		For Heavy Gauge Full-Height SS Brackets, Add	62.23	
10 21 13 13-0037	EA	46" x 58" x 1", Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screen	653.88	102.67
		For Heavy Gauge Full-Height SS Brackets, Add	62.23	
10 21 13 13-0038	Enamel Coated Steel Toilet Partition Doors, Panels And Pilasters (10 21 13 13-0001)			
	Note: All colors.			
10 21 13 13-0039	Enamel Coated Steel, Toilet Partition Doors (10 21 13 13-0038)			
10 21 13 13-0040	EA	24" x 58" x 1", Enamel Coated Steel, Toilet Partition Door	351.70	25.67
		For Heavy Gauge Full-Height SS Hinge, Add	100.14	
10 21 13 13-0041	EA	26" x 58" x 1", Enamel Coated Steel, Toilet Partition Door	359.60	25.67
		For Heavy Gauge Full-Height SS Hinge, Add	100.14	
10 21 13 13-0042	EA	30" x 58" x 1", Enamel Coated Steel, Toilet Partition Door	381.23	27.61
		For Heavy Gauge Full-Height SS Hinge, Add	100.14	
10 21 13 13-0043	EA	34" x 58" x 1", Enamel Coated Steel, ADA Compliant Toilet Partition Door.....	416.80	27.61
		For Heavy Gauge Full-Height SS Hinge, Add	100.14	
10 21 13 13-0044	EA	36" x 58" x 1", Enamel Coated Steel, ADA Compliant Toilet Partition Door.....	424.70	27.61
		For Heavy Gauge Full-Height SS Hinge, Add	100.14	
10 21 13 13-0045	Enamel Coated Steel, Toilet Partition Panels (10 21 13 13-0038)			
10 21 13 13-0046	EA	6" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel.....	254.86	38.52
		For Heavy Gauge Full-Height SS Brackets, Add	62.23	
10 21 13 13-0047	EA	12" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel.....	281.04	41.73
		For Heavy Gauge Full-Height SS Brackets, Add	62.23	
10 21 13 13-0048	EA	18" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel.....	307.22	44.94
		For Heavy Gauge Full-Height SS Brackets, Add	62.23	
10 21 13 13-0049	EA	24" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel.....	333.40	48.15
		For Heavy Gauge Full-Height SS Brackets, Add	62.23	
10 21 13 13-0050	EA	30" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel.....	359.58	51.36
		For Heavy Gauge Full-Height SS Brackets, Add	62.23	
10 21 13 13-0051	EA	36" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel.....	385.76	54.57
		For Heavy Gauge Full-Height SS Brackets, Add	62.23	
10 21 13 13-0052	EA	42" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel.....	409.96	57.78
		For Heavy Gauge Full-Height SS Brackets, Add	62.23	
10 21 13 13-0053	EA	48" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel.....	436.14	60.99
		For Heavy Gauge Full-Height SS Brackets, Add	62.23	
10 21 13 13-0054	EA	55" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel.....	454.41	64.19
		For Heavy Gauge Full-Height SS Brackets, Add	62.23	
10 21 13 13-0055	EA	58" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel.....	464.88	65.48
		For Panel Reinforced At ADA Grab Bar, Add	42.00	
		For Heavy Gauge Full-Height SS Brackets, Add	62.23	
10 21 13 13-0056	EA	60" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel.....	478.62	67.40
		For Panel Reinforced At ADA Grab Bar, Add	42.00	
		For Heavy Gauge Full-Height SS Brackets, Add	62.23	
10 21 13 13-0057	EA	70" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel.....	522.58	70.61
		For Panel Reinforced At ADA Grab Bar, Add	42.00	
		For Heavy Gauge Full-Height SS Brackets, Add	62.23	
10 21 13 13-0058	EA	78" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel.....	560.60	73.82
		For Panel Reinforced At ADA Grab Bar, Add	42.00	
		For Heavy Gauge Full-Height SS Brackets, Add	62.23	
10 21 13 13-0059	70" Long, Enamel Coated Steel, Toilet Partition Pilasters (10 21 13 13-0038)			
10 21 13 13-0060	EA	Up To 4" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	192.64	19.26
		For Heavy Gauge Full-Height SS Brackets, Add	62.23	
10 21 13 13-0061	EA	5" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster.....	212.89	22.46
		For Heavy Gauge Full-Height SS Brackets, Add	62.23	
10 21 13 13-0062	EA	6" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster.....	235.12	25.67
		For Heavy Gauge Full-Height SS Brackets, Add	62.23	
10 21 13 13-0063	EA	8" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster.....	273.15	28.88
		For Heavy Gauge Full-Height SS Brackets, Add	62.23	
10 21 13 13-0064	EA	10" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster.....	309.20	32.09
		For Heavy Gauge Full-Height SS Brackets, Add	62.23	
10 21 13 13-0065	EA	12" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster.....	345.26	35.31
		For Heavy Gauge Full-Height SS Brackets, Add	62.23	
10 21 13 13-0066	EA	18" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster.....	444.55	38.52
		For Heavy Gauge Full-Height SS Brackets, Add	62.23	
10 21 13 13-0067	EA	22" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster.....	510.24	41.73
		For Heavy Gauge Full-Height SS Brackets, Add	62.23	

10	10	Specialties
	10 20	Interior Specialties
	10 21	Compartments and Cubicles



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 21 13 13-0068	EA		24" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	548.28 62.23	44.94
10 21 13 13-0069			82" Long, Enamel Coated Steel, Toilet Partition Pilasters (10 21 13 13-0038)		
10 21 13 13-0070	EA		Up To 4" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	155.10 62.23	19.26
10 21 13 13-0071	EA		5" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	169.42 62.23	22.46
10 21 13 13-0072	EA		6" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	185.72 62.23	25.67
10 21 13 13-0073	EA		8" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	209.92 62.23	28.88
10 21 13 13-0074	EA		10" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	232.14 62.23	32.09
10 21 13 13-0075	EA		12" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	256.34 62.23	35.31
10 21 13 13-0076	EA		18" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	316.11 62.23	38.52
10 21 13 13-0077	EA		22" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	356.12 62.23	41.73
10 21 13 13-0078	EA		24" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	380.33 62.23	44.94

10 21 13 13-0079			96" To 120" Long, Enamel Coated Steel, Partition Pilasters (10 21 13 13-0038)		
10 21 13 13-0080	EA		Up To 4" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	215.36 62.23	25.67
10 21 13 13-0081	EA		5" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	235.61 62.23	28.88
10 21 13 13-0082	EA		6" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	257.83 62.23	32.09
10 21 13 13-0083	EA		8" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	295.86 62.23	35.31
10 21 13 13-0084	EA		10" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	331.92 62.23	38.52
10 21 13 13-0085	EA		12" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	367.98 62.23	41.73
10 21 13 13-0086	EA		18" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	467.27 62.23	44.94
10 21 13 13-0087	EA		22" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	532.96 62.23	48.15
10 21 13 13-0088	EA		24" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	571.00 62.23	51.36

10 21 13 14 Stainless-Steel Toilet Compartments (10 21 13)

10 21 13 14-0001			Stainless Steel Toilet Partitions And Urinal Screens (10 21 13 14) Note: Complete toilet partitions for corner installations. Includes 1" door, 1-1/4" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of type 304 stainless steel. Includes satin finish.		
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10 21 13 14-0002 Stainless Steel Toilet Partitions (10 21 13 14-0001)

10 21 13 14-0003 Floor Anchored, Stainless Steel, Complete Toilet Partitions (10 21 13 14-0002)

10 21 13 14-0004	EA		36" x 60", Floor Anchored, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition..... <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	2,460.19 -217.13 224.59 759.96	144.43
10 21 13 14-0005	EA		60" x 60", Floor Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	2,967.43 224.59 928.51	157.27
10 21 13 14-0006	EA		60" x 78", Floor Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	3,107.88 224.59 973.18	163.69

10 21 13 14-0007 Overhead Braced, Stainless Steel, Complete Toilet Partitions (10 21 13 14-0002)

Note: Includes head rail.

10 21 13 14-0008	EA		36" x 60", Overhead Braced, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition..... <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	2,092.95 -173.99 224.59 608.96	176.54
10 21 13 14-0009	EA		60" x 60", Overhead Braced, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	2,542.93 224.59 757.47	189.37
10 21 13 14-0010	EA		60" x 78", Overhead Braced, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	2,769.11 224.59 832.14	195.79

Specialties			10
Interior Specialties			10 20
Compartments and Cubicles			10 21

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 14-0011			Floor And Ceiling Anchored, Stainless Steel, Complete Toilet Partitions (10 21 13 14-0002) Note: Excludes above ceiling steel.		
10 21 13 14-0012	EA		36" x 60", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition	2,892.44	208.63
			For >10, Deduct	-247.52	
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	224.59	
			For Diamond Pattern Finish, Add	866.31	
10 21 13 14-0013	EA		60" x 60", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	3,101.83	221.47
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	224.59	
			For Diamond Pattern Finish, Add	930.62	
10 21 13 14-0014	EA		60" x 78", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	3,246.37	227.88
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	224.59	
			For Diamond Pattern Finish, Add	976.71	
10 21 13 14-0015			Ceiling Hung, Stainless Steel, Complete Toilet Partitions (10 21 13 14-0002) Note: Excludes above ceiling steel.		
10 21 13 14-0016	EA		36" x 60", Ceiling Hung, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition.....	2,901.32	240.72
			For >10, Deduct	-241.99	
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	224.59	
			For Diamond Pattern Finish, Add	846.95	
10 21 13 14-0017	EA		60" x 60", Ceiling Hung, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,524.20	253.57
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	224.59	
			For Diamond Pattern Finish, Add	1,055.97	
10 21 13 14-0018	EA		60" x 78", Ceiling Hung, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,704.56	259.99
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	224.59	
			For Diamond Pattern Finish, Add	1,114.61	
10 21 13 14-0019			Stainless Steel Urinal Screens (10 21 13 14-0001)		
10 21 13 14-0020			Floor Anchored, Stainless Steel, Urinal Screens (10 21 13 14-0019)		
10 21 13 14-0021	EA		24" x 58" x 1", Floor Anchored, Stainless Steel, Urinal Screen.....	819.80	89.84
			For Heavy Gauge Full-Height SS Brackets, Add	62.23	
			For Diamond Pattern Finish, Add	224.05	
10 21 13 14-0022	EA		36" x 58" x 1", Floor Anchored, Stainless Steel, Urinal Screen.....	926.97	96.25
			For Heavy Gauge Full-Height SS Brackets, Add	62.23	
			For Diamond Pattern Finish, Add	257.06	
10 21 13 14-0023	EA		48" x 58" x 1", Floor Anchored, Stainless Steel, Urinal Screen.....	947.52	102.67
			For Heavy Gauge Full-Height SS Brackets, Add	62.23	
			For Diamond Pattern Finish, Add	259.76	
10 21 13 14-0024			Wall Hung, Stainless Steel, Urinal Screens (10 21 13 14-0019)		
10 21 13 14-0025	EA		18" x 42" x 1", Wall Hung, Stainless Steel, Urinal Screen.....	608.14	77.00
			For Heavy Gauge Full-Height SS Brackets, Add	62.23	
			For Diamond Pattern Finish, Add	158.95	
10 21 13 14-0026	EA		24" x 42" x 1", Wall Hung, Stainless Steel, Urinal Screen.....	658.07	83.42
			For Heavy Gauge Full-Height SS Brackets, Add	62.23	
			For Diamond Pattern Finish, Add	171.93	
10 21 13 14-0027	EA		30" x 42" x 1", Wall Hung, Stainless Steel, Urinal Screen.....	718.19	89.84
			For Heavy Gauge Full-Height SS Brackets, Add	62.23	
			For Diamond Pattern Finish, Add	188.48	
10 21 13 14-0028			Wall Hung And Post Supported, Stainless Steel, Urinal Screens (10 21 13 14-0019)		
10 21 13 14-0029	EA		18" x 58" x 1", Wall Hung And Post Supported, Stainless Steel, Urinal Screen.....	979.57	83.42
			For Heavy Gauge Full-Height SS Brackets, Add	62.23	
			For Diamond Pattern Finish, Add	284.46	
10 21 13 14-0030	EA		24" x 58" x 1", Wall Hung And Post Supported, Stainless Steel, Urinal Screen.....	1,027.15	89.84
			For Heavy Gauge Full-Height SS Brackets, Add	62.23	
			For Diamond Pattern Finish, Add	296.61	
10 21 13 14-0031	EA		30" x 58" x 1", Wall Hung And Post Supported, Stainless Steel, Urinal Screen.....	1,074.50	96.25
			For Heavy Gauge Full-Height SS Brackets, Add	62.23	
			For Diamond Pattern Finish, Add	308.70	
10 21 13 14-0032			Wall Hung And Overhead Braced, Stainless Steel, Urinal Screens (10 21 13 14-0019)		
10 21 13 14-0033	EA		22" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen	819.80	89.84
			For Heavy Gauge Full-Height SS Brackets, Add	62.23	
			For Diamond Pattern Finish, Add	224.05	
10 21 13 14-0034	EA		34" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen	926.96	96.25
			For Heavy Gauge Full-Height SS Brackets, Add	62.23	
			For Diamond Pattern Finish, Add	257.06	
10 21 13 14-0035	EA		46" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen	1,038.56	102.67
			For Heavy Gauge Full-Height SS Brackets, Add	62.23	
			For Diamond Pattern Finish, Add	291.62	
10 21 13 14-0036			Stainless Steel Toilet Partition Doors, Panels And Pilasters (10 21 13 14-0001)		
10 21 13 14-0037			Stainless Steel, Toilet Partition Doors (10 21 13 14-0036)		
10 21 13 14-0038	EA		24" x 58" x 1", Stainless Steel, Toilet Partition Door	535.59	25.67
			For Heavy Gauge Full-Height SS Hinge, Add	100.14	
			For Diamond Pattern Finish, Add	169.48	

10	10	Specialties
	10 20	Interior Specialties
	10 21	Compartments and Cubicles



MINOR					TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION					UNIT COST	UNIT COST
10 21 13 14-0039	EA	26" x 58" x 1", Stainless Steel, Toilet Partition Door	.....	612.07	25.67	
		For Heavy Gauge Full-Height SS Hinge, Add	.....	100.14		
		For Diamond Pattern Finish, Add	.....	196.25		
10 21 13 14-0040	EA	30" x 58" x 1", Stainless Steel, Toilet Partition Door	.....	629.09	28.88	
		For Heavy Gauge Full-Height SS Hinge, Add	.....	100.14		
		For Diamond Pattern Finish, Add	.....	199.96		
10 21 13 14-0041	EA	34" x 58" x 1", Stainless Steel, ADA Compliant Toilet Partition Door	.....	651.16	28.88	
		For Heavy Gauge Full-Height SS Hinge, Add	.....	100.14		
		For Diamond Pattern Finish, Add	.....	207.68		
10 21 13 14-0042	EA	36" x 58" x 1", Stainless Steel, ADA Compliant Toilet Partition Door	.....	657.31	28.88	
		For Heavy Gauge Full-Height SS Hinge, Add	.....	100.14		
		For Diamond Pattern Finish, Add	.....	209.84		
10 21 13 14-0043 Stainless Steel, Toilet Partition Panels (10 21 13 14-0036)						
10 21 13 14-0044	EA	6" x 58" x 1", Stainless Steel, Toilet Partition Panel	.....	465.59	38.52	
		For Heavy Gauge Full-Height SS Brackets, Add	.....	62.23		
		For Diamond Pattern Finish, Add	.....	136.00		
10 21 13 14-0045	EA	12" x 58" x 1", Stainless Steel, Toilet Partition Panel	.....	516.89	41.73	
		For Heavy Gauge Full-Height SS Brackets, Add	.....	62.23		
		For Diamond Pattern Finish, Add	.....	151.70		
10 21 13 14-0046	EA	18" x 58" x 1", Stainless Steel, Toilet Partition Panel	.....	538.82	44.94	
		For Heavy Gauge Full-Height SS Brackets, Add	.....	62.23		
		For Diamond Pattern Finish, Add	.....	157.13		
10 21 13 14-0047	EA	24" x 58" x 1", Stainless Steel, Toilet Partition Panel	.....	563.69	48.15	
		For Heavy Gauge Full-Height SS Brackets, Add	.....	62.23		
		For Diamond Pattern Finish, Add	.....	163.59		
10 21 13 14-0048	EA	30" x 58" x 1", Stainless Steel, Toilet Partition Panel	.....	604.98	51.36	
		For Heavy Gauge Full-Height SS Brackets, Add	.....	62.23		
		For Diamond Pattern Finish, Add	.....	175.79		
10 21 13 14-0049	EA	36" x 58" x 1", Stainless Steel, Toilet Partition Panel	.....	652.89	54.57	
		For Heavy Gauge Full-Height SS Brackets, Add	.....	62.23		
		For Diamond Pattern Finish, Add	.....	190.32		
10 21 13 14-0050	EA	42" x 58" x 1", Stainless Steel, Toilet Partition Panel	.....	762.80	57.78	
		For Heavy Gauge Full-Height SS Brackets, Add	.....	62.23		
		For Diamond Pattern Finish, Add	.....	226.54		
10 21 13 14-0051	EA	48" x 58" x 1", Stainless Steel, Toilet Partition Panel	.....	834.81	60.99	
		For Heavy Gauge Full-Height SS Brackets, Add	.....	62.23		
		For Diamond Pattern Finish, Add	.....	249.49		
10 21 13 14-0052	EA	55" x 58" x 1", Stainless Steel, Toilet Partition Panel	.....	856.77	64.19	
		For Heavy Gauge Full-Height SS Brackets, Add	.....	62.23		
		For Diamond Pattern Finish, Add	.....	254.93		
10 21 13 14-0053	EA	58" x 58" x 1", Stainless Steel, Toilet Partition Panel	.....	899.02	65.48	
		For Heavy Gauge Full-Height SS Brackets, Add	.....	62.23		
		For Diamond Pattern Finish, Add	.....	268.82		
10 21 13 14-0054	EA	60" x 58" x 1", Stainless Steel, Toilet Partition Panel	.....	954.66	67.40	
		For Heavy Gauge Full-Height SS Brackets, Add	.....	62.23		
		For Diamond Pattern Finish, Add	.....	286.95		
10 21 13 14-0055	EA	70" x 58" x 1", Stainless Steel, Toilet Partition Panel	.....	1,000.28	70.61	
		For Heavy Gauge Full-Height SS Brackets, Add	.....	62.23		
		For Diamond Pattern Finish, Add	.....	300.67		
10 21 13 14-0056	EA	78" x 58" x 1", Stainless Steel, Toilet Partition Panel	.....	1,096.95	73.82	
		For Heavy Gauge Full-Height SS Brackets, Add	.....	62.23		
		For Diamond Pattern Finish, Add	.....	332.26		
10 21 13 14-0057 70" Long, Stainless Steel, Toilet Partition Pilasters (10 21 13 14-0036)						
10 21 13 14-0058	EA	Up To 4" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	.....	321.59	19.26	
		For Heavy Gauge Full-Height SS Brackets, Add	.....	62.23		
		For Diamond Pattern Finish, Add	.....	99.07		
10 21 13 14-0059	EA	5" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	.....	350.44	22.46	
		For Heavy Gauge Full-Height SS Brackets, Add	.....	62.23		
		For Diamond Pattern Finish, Add	.....	106.93		
10 21 13 14-0060	EA	6" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	.....	381.03	25.67	
		For Heavy Gauge Full-Height SS Brackets, Add	.....	62.23		
		For Diamond Pattern Finish, Add	.....	115.38		
10 21 13 14-0061	EA	8" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	.....	434.05	28.88	
		For Heavy Gauge Full-Height SS Brackets, Add	.....	62.23		
		For Diamond Pattern Finish, Add	.....	131.69		
10 21 13 14-0062	EA	10" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	.....	487.06	32.09	
		For Heavy Gauge Full-Height SS Brackets, Add	.....	62.23		
		For Diamond Pattern Finish, Add	.....	148.00		
10 21 13 14-0063	EA	12" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	.....	540.08	35.31	
		For Heavy Gauge Full-Height SS Brackets, Add	.....	62.23		
		For Diamond Pattern Finish, Add	.....	164.31		
10 21 13 14-0064	EA	18" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	.....	684.59	38.52	
		For Heavy Gauge Full-Height SS Brackets, Add	.....	62.23		
		For Diamond Pattern Finish, Add	.....	212.65		
10 21 13 14-0065	EA	22" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	.....	784.21	41.73	
		For Heavy Gauge Full-Height SS Brackets, Add	.....	62.23		
		For Diamond Pattern Finish, Add	.....	245.27		
10 21 13 14-0066	EA	24" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	.....	837.23	44.94	
		For Heavy Gauge Full-Height SS Brackets, Add	.....	62.23		
		For Diamond Pattern Finish, Add	.....	261.58		
10 21 13 14-0067 82" Long, Stainless Steel, Toilet Partition Pilasters (10 21 13 14-0036)						

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 21 13 14-0068	EA		Up To 4" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster For Heavy Gauge Full-Height SS Brackets, Add For Diamond Pattern Finish, Add	246.57 62.23 72.82	19.26
10 21 13 14-0069	EA		5" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster For Heavy Gauge Full-Height SS Brackets, Add For Diamond Pattern Finish, Add	267.23 62.23 77.80	22.46
10 21 13 14-0070	EA		6" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster For Heavy Gauge Full-Height SS Brackets, Add For Diamond Pattern Finish, Add	288.62 62.23 83.04	25.67
10 21 13 14-0071	EA		8" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster For Heavy Gauge Full-Height SS Brackets, Add For Diamond Pattern Finish, Add	374.00 62.23 110.68	28.88
10 21 13 14-0072	EA		10" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster For Heavy Gauge Full-Height SS Brackets, Add For Diamond Pattern Finish, Add	422.03 62.23 125.24	32.09
10 21 13 14-0073	EA		12" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster For Heavy Gauge Full-Height SS Brackets, Add For Diamond Pattern Finish, Add	437.08 62.23 128.26	35.31
10 21 13 14-0074	EA		18" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster For Heavy Gauge Full-Height SS Brackets, Add For Diamond Pattern Finish, Add	495.02 62.23 146.30	38.52
10 21 13 14-0075	EA		22" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster For Heavy Gauge Full-Height SS Brackets, Add For Diamond Pattern Finish, Add	558.10 62.23 166.13	41.73
10 21 13 14-0076	EA		24" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster For Heavy Gauge Full-Height SS Brackets, Add For Diamond Pattern Finish, Add	592.62 62.23 175.96	44.94

10 21 13 14-0077 96" To 120" Long, Stainless Steel, Toilet Partition Pilasters (10 21 13 14-0036)

10 21 13 14-0078	EA		Up To 4" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster For Heavy Gauge Full-Height SS Brackets, Add For Diamond Pattern Finish, Add	353.41 62.23 105.72	25.67
10 21 13 14-0079	EA		5" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster For Heavy Gauge Full-Height SS Brackets, Add For Diamond Pattern Finish, Add	387.45 62.23 115.38	28.88
10 21 13 14-0080	EA		6" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster For Heavy Gauge Full-Height SS Brackets, Add For Diamond Pattern Finish, Add	419.75 62.23 124.45	32.09
10 21 13 14-0081	EA		8" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster For Heavy Gauge Full-Height SS Brackets, Add For Diamond Pattern Finish, Add	481.40 62.23 143.78	35.31
10 21 13 14-0082	EA		10" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster For Heavy Gauge Full-Height SS Brackets, Add For Diamond Pattern Finish, Add	541.33 62.23 162.51	38.52
10 21 13 14-0083	EA		12" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster For Heavy Gauge Full-Height SS Brackets, Add For Diamond Pattern Finish, Add	601.25 62.23 181.23	41.73
10 21 13 14-0084	EA		18" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster For Heavy Gauge Full-Height SS Brackets, Add For Diamond Pattern Finish, Add	771.64 62.23 238.62	44.94
10 21 13 14-0085	EA		22" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster For Heavy Gauge Full-Height SS Brackets, Add For Diamond Pattern Finish, Add	885.08 62.23 276.08	48.15
10 21 13 14-0086	EA		24" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster For Heavy Gauge Full-Height SS Brackets, Add For Diamond Pattern Finish, Add	946.73 62.23 295.41	51.36

10 21 13 16 Plastic-Laminate-Clad Toilet Compartments (10 21 13)

10 21 13 16-0001 Laminated Plastic Toilet Partitions And Urinal Screens (10 21 13 16)

Note: Complete toilet partitions for corner installations. Includes 1" door, 1" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of a sandwich of high-pressure decorative plastic laminate bonded to a solid industrial-grade particalboard.

10 21 13 16-0002 Laminated Plastic Toilet Partitions (10 21 13 16-0001)

Note: Includes all standard Bobrick colors.

10 21 13 16-0003 Floor Anchored, Laminated Plastic, Complete Toilet Partitions (10 21 13 16-0002)

10 21 13 16-0004	EA		36" x 60", Floor Anchored, Laminated Plastic, One Compartment Corner Unit, Complete Toilet Partition For >10, Deduct For Cast Stainless Steel Hardware, Add For Heavy Gauge Full-Height SS Hinges And Brackets, Add	1,383.92 -109.51 180.41 224.59	144.43
10 21 13 16-0005	EA		60" x 60", Floor Anchored, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition For Cast Stainless Steel Hardware, Add For Heavy Gauge Full-Height SS Hinges And Brackets, Add	1,689.98 180.43 224.59	157.27
10 21 13 16-0006	EA		60" x 78", Floor Anchored, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition For Cast Stainless Steel Hardware, Add For Heavy Gauge Full-Height SS Hinges And Brackets, Add	1,817.96 180.44 224.59	163.69

10 21 13 16-0007 Overhead Braced, Laminated Plastic, Complete Toilet Partitions (10 21 13 16-0002)

Note: Includes head rail.

10	10	Specialties
	10 20	Interior Specialties
	10 21	Compartments and Cubicles

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
10 21 13 16-0008	EA 36" x 60", Overhead Braced, Laminated Plastic, One Compartment Corner Unit, Complete Toilet Partition..... <i>For >10, Deduct</i> <i>For Cast Stainless Steel Hardware, Add</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	1,501.58 -114.85 180.45 224.59		176.54	
10 21 13 16-0009	EA 60" x 60", Overhead Braced, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Cast Stainless Steel Hardware, Add</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	1,820.99 180.47 224.59		189.37	
10 21 13 16-0010	EA 60" x 78", Overhead Braced, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Cast Stainless Steel Hardware, Add</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	1,958.99 180.47 224.59		195.79	
10 21 13 16-0011	Ceiling Hung, Laminated Plastic, Complete Toilet Partitions (10 21 13 16-0002) Note: Excludes above ceiling steel.				
10 21 13 16-0012	EA 36" x 60", Ceiling Hung, Laminated Plastic, One Compartment Corner Unit, Complete Toilet Partition <i>For >10, Deduct</i> <i>For Cast Stainless Steel Hardware, Add</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	2,008.49 -152.71 180.53 224.59		240.72	
10 21 13 16-0013	EA 60" x 60", Ceiling Hung, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Cast Stainless Steel Hardware, Add</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	2,338.18 180.54 224.59		253.57	
10 21 13 16-0014	EA 60" x 78", Ceiling Hung, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Cast Stainless Steel Hardware, Add</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	2,466.17 180.55 224.59		259.99	
10 21 13 16-0015	Laminated Plastic Urinal Screens (10 21 13 16-0001) Note: Includes all standard Bobrick colors.				
10 21 13 16-0016	Floor Anchored, Laminated Plastic, Urinal Screens (10 21 13 16-0015)				
10 21 13 16-0017	EA 24" x 58" x 1", Floor Anchored, Laminated Plastic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	588.08 62.23		89.84	
10 21 13 16-0018	EA 36" x 58" x 1", Floor Anchored, Laminated Plastic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	640.98 62.23		96.25	
10 21 13 16-0019	EA 48" x 58" x 1", Floor Anchored, Laminated Plastic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	661.67 62.23		102.67	
10 21 13 16-0020	Wall Hung, Laminated Plastic, Urinal Screens (10 21 13 16-0015)				
10 21 13 16-0021	EA 18" x 42" x 1", Wall Hung, Laminated Plastic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	457.99 62.23		77.00	
10 21 13 16-0022	EA 24" x 42" x 1", Wall Hung, Laminated Plastic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	482.28 62.23		83.42	
10 21 13 16-0023	EA 30" x 42" x 1", Wall Hung, Laminated Plastic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	505.51 62.23		89.84	
10 21 13 16-0024	Wall Hung And Post Supported, Laminated Plastic, Urinal Screens (10 21 13 16-0015)				
10 21 13 16-0025	EA 18" x 58" x 1", Wall Hung And Post Supported, Laminated Plastic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	604.73 62.23		83.42	
10 21 13 16-0026	EA 24" x 58" x 1", Wall Hung And Post Supported, Laminated Plastic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	663.24 62.23		89.84	
10 21 13 16-0027	EA 30" x 58" x 1", Wall Hung And Post Supported, Laminated Plastic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	726.55 62.23		96.25	
10 21 13 16-0028	Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screens (10 21 13 16-0015)				
10 21 13 16-0029	EA 24" x 58" x 1", Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	559.25 62.23		83.42	
10 21 13 16-0030	EA 36" x 58" x 1", Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	613.29 62.23		89.84	
10 21 13 16-0031	EA 48" x 58" x 1", Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	633.33 62.23		96.25	
10 21 13 16-0032	Laminated Plastic Toilet Partition Doors, Panels And Pilasters (10 21 13 16-0001) Note: Includes all standard Bobrick colors.				
10 21 13 16-0033	Laminated Plastic, Toilet Partition Doors (10 21 13 16-0032)				
10 21 13 16-0034	EA 24" x 58" x 1", Laminated Plastic, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	456.19 100.14		25.67	
10 21 13 16-0035	EA 26" x 58" x 1", Laminated Plastic, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	495.53 100.14		25.67	
10 21 13 16-0036	EA 30" x 58" x 1", Laminated Plastic, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	512.68 100.14		28.88	
10 21 13 16-0037	EA 34" x 58" x 1", Laminated Plastic, Americans With Disabilities Act Compliant Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	524.84 100.14		28.88	
10 21 13 16-0038	EA 36" x 58" x 1", Laminated Plastic, Americans With Disabilities Act Compliant Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	536.28 100.14		28.88	
10 21 13 16-0039	Laminated Plastic, Toilet Partition Panels (10 21 13 16-0032)				

		Specialties	10	10
		Interior Specialties	10 20	
		Compartments and Cubicles	10 21	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 16-0040	EA	6" x 58" x 1", Laminated Plastic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	236.47 62.23	38.52
10 21 13 16-0041	EA	12" x 58" x 1", Laminated Plastic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	261.43 62.23	41.73
10 21 13 16-0042	EA	18" x 58" x 1", Laminated Plastic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	286.39 62.23	44.94
10 21 13 16-0043	EA	24" x 58" x 1", Laminated Plastic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	312.30 62.23	48.15
10 21 13 16-0044	EA	30" x 58" x 1", Laminated Plastic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	336.31 62.23	51.36
10 21 13 16-0045	EA	36" x 58" x 1", Laminated Plastic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	362.32 62.23	54.57
10 21 13 16-0046	EA	42" x 58" x 1", Laminated Plastic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	370.92 62.23	57.78
10 21 13 16-0047	EA	48" x 58" x 1", Laminated Plastic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	380.89 62.23	60.99
10 21 13 16-0048	EA	55" x 58" x 1", Laminated Plastic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	400.93 62.23	64.19
10 21 13 16-0049	EA	58" x 58" x 1", Laminated Plastic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	417.39 62.23	65.48
10 21 13 16-0050	EA	60" x 58" x 1", Laminated Plastic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	435.93 62.23	67.40
10 21 13 16-0051	EA	70" x 58" x 1", Laminated Plastic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	495.99 62.23	70.61
10 21 13 16-0052	EA	78" x 58" x 1", Laminated Plastic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	563.92 62.23	73.82
10 21 13 16-0053 69" Long, Laminated Plastic, Toilet Partition Pilasters (10 21 13 16-0032)				
10 21 13 16-0054	EA	Up To 4" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	190.87 12.57 62.23 152.35	19.26
10 21 13 16-0055	EA	5" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	220.18 14.46 62.23 175.24	22.46
10 21 13 16-0056	EA	6" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	226.60 14.46 62.23 175.24	25.67
10 21 13 16-0057	EA	8" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	250.18 15.87 62.23 192.40	28.88
10 21 13 16-0058	EA	10" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	261.60 16.29 62.23 197.41	32.09
10 21 13 16-0059	EA	12" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	284.47 17.64 62.23 213.86	35.31
10 21 13 16-0060	EA	18" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	360.98 23.43 62.23 283.95	38.52
10 21 13 16-0061	EA	22" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	436.07 29.09 62.23 352.62	41.73
10 21 13 16-0062	EA	24" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	488.98 32.93 62.23 399.11	44.94
10 21 13 16-0063 83" Long, Laminated Plastic, Toilet Partition Pilasters (10 21 13 16-0032)				
10 21 13 16-0064	EA	Up To 4" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	371.11 27.44 62.23 332.59	19.26
10 21 13 16-0065	EA	5" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	410.43 30.15 62.23 365.49	22.46
10 21 13 16-0066	EA	6" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	416.85 30.15 62.23 365.49	25.67
10 21 13 16-0067	EA	8" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	451.17 32.45 62.23 393.39	28.88
10 21 13 16-0068	EA	10" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	492.62 35.35 62.23 428.43	32.09

10	10	Specialties
	10 20	Interior Specialties
	10 21	Compartments and Cubicles



MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
10 21 13 16-0069	EA	12" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	526.22 37.59 62.23 455.61	35.31
10 21 13 16-0070	EA	18" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	653.89 47.59 62.23 576.86	38.52
10 21 13 16-0071	EA	22" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	744.34 54.52 62.23 660.89	41.73
10 21 13 16-0072	EA	24" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	764.35 55.64 62.23 674.48	44.94
10 21 13 19 Plastic Toilet Compartments (10 21 13)				
10 21 13 19-0001		Recycled Solid Polymer (HDPE) Toilet Partitions And Urinal Screens (10 21 13 19) Note: Complete toilet partitions for corner installations. Includes 1" door, 1" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of high-density polyethylene (HDPE). Includes Class B fire rating.		
10 21 13 19-0002		Recycled Solid Plastic (HDPE) Toilet Partitions (10 21 13 19-0001) Note: Includes all standard Columbia Partitions colors.		
10 21 13 19-0003		Overhead Braced, Recycled Solid Plastic (HDPE), Complete Toilet Partitions (10 21 13 19-0002) Note: Includes head rail.		
10 21 13 19-0004	EA	36" x 60", Overhead Braced, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,998.32 -164.53 224.59 1,020.06	176.54
10 21 13 19-0005	EA	60" x 60", Overhead Braced, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,457.31 224.59 1,288.71	189.37
10 21 13 19-0006	EA	60" x 78", Overhead Braced, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,721.65 224.59 1,444.64	195.79
10 21 13 19-0007		Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), Complete Toilet Partitions (10 21 13 19-0002) Note: Excludes above ceiling steel.		
10 21 13 19-0008	EA	36" x 60", Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition..... <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,000.20 -158.29 224.59 981.42	208.63
10 21 13 19-0009	EA	60" x 60", Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,499.42 224.59 1,275.02	221.47
10 21 13 19-0010	EA	60" x 78", Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,763.77 224.59 1,430.95	227.88
10 21 13 19-0011		Ceiling Hung, Recycled Solid Plastic (HDPE), Complete Toilet Partitions (10 21 13 19-0002) Note: Excludes above ceiling steel.		
10 21 13 19-0012	EA	36" x 60", Ceiling Hung, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition..... <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,100.28 -161.88 224.59 1,003.67	240.72
10 21 13 19-0013	EA	60" x 60", Ceiling Hung, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,488.74 224.59 1,228.60	253.57
10 21 13 19-0014	EA	60" x 78", Ceiling Hung, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,753.08 224.59 1,384.53	259.99
10 21 13 19-0015		Recycled Solid Plastic (HDPE) Urinal Screens (10 21 13 19-0001) Note: Includes all standard Columbia Partitions colors.		
10 21 13 19-0016		Wall Hung, Recycled Solid Plastic (HDPE), Urinal Screens (10 21 13 19-0015)		
10 21 13 19-0017	EA	18" x 42" x 1", Wall Hung, Recycled Solid Plastic (HDPE), Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	469.20 62.23 195.42	77.00

			Specialties	10	10
			Interior Specialties	10 20	
			Compartments and Cubicles	10 21	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

10 21 13 19-0018	EA	18" x 42" x 1", Wall Hung, Recycled Solid Plastic (HDPE), Urinal Screen.....	494.45	83.42
		For Heavy Gauge Full-Height SS Brackets, Add	62.23	
		For NFPA Class A, Add	203.11	
10 21 13 19-0019		Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screens (10 21 13 19-0015)		
10 21 13 19-0020	EA	18" x 42" x 1", Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screen.....	595.26	83.42
		For Heavy Gauge Full-Height SS Brackets, Add	62.23	
		For NFPA Class A, Add	265.62	
10 21 13 19-0021	EA	24" x 42" x 1", Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screen.....	750.88	89.84
		For Heavy Gauge Full-Height SS Brackets, Add	62.23	
		For NFPA Class A, Add	354.14	
10 21 13 19-0022	EA	30" x 42" x 1", Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screen.....	834.04	96.25
		For Heavy Gauge Full-Height SS Brackets, Add	62.23	
		For NFPA Class A, Add	397.75	
10 21 13 19-0023		Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screens (10 21 13 19-0015)		
10 21 13 19-0024	EA	24" x 55" x 1", Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screen	608.10	89.84
		For Heavy Gauge Full-Height SS Brackets, Add	62.23	
		For NFPA Class A, Add	265.62	
10 21 13 19-0025	EA	36" x 55" x 1", Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screen	763.71	96.25
		For Heavy Gauge Full-Height SS Brackets, Add	62.23	
		For NFPA Class A, Add	354.14	
10 21 13 19-0026	EA	48" x 55" x 1", Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screen	905.19	102.67
		For Heavy Gauge Full-Height SS Brackets, Add	62.23	
		For NFPA Class A, Add	433.90	
10 21 13 19-0027		Recycled Solid Plastic (HDPE) Toilet Partition Doors, Panels And Pilasters (10 21 13 19-0001)		
		Note: Includes all standard Columbia Partitions colors.		
10 21 13 19-0028		Recycled Solid Plastic (HDPE), Toilet Partition Doors (10 21 13 19-0027)		
10 21 13 19-0029	EA	24" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Door	474.84	25.67
		For Heavy Gauge Full-Height SS Hinge, Add	100.14	
		For NFPA Class A, Add	262.56	
10 21 13 19-0030	EA	26" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Door	513.38	25.67
		For Heavy Gauge Full-Height SS Hinge, Add	100.14	
		For NFPA Class A, Add	286.45	
10 21 13 19-0031	EA	30" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Door	558.05	28.88
		For Heavy Gauge Full-Height SS Hinge, Add	100.14	
		For NFPA Class A, Add	310.17	
10 21 13 19-0032	EA	34" x 55" x 1", Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door	636.04	28.88
		For Heavy Gauge Full-Height SS Hinge, Add	100.14	
		For NFPA Class A, Add	358.52	
10 21 13 19-0033	EA	36" x 55" x 1", Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door	654.50	28.88
		For Heavy Gauge Full-Height SS Hinge, Add	100.14	
		For NFPA Class A, Add	369.97	
10 21 13 19-0034		Recycled Solid Plastic (HDPE), Toilet Partition Panels (10 21 13 19-0027)		
10 21 13 19-0035	EA	6" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	170.89	38.52
		For Heavy Gauge Full-Height SS Brackets, Add	62.23	
		For NFPA Class A, Add	58.19	
10 21 13 19-0036	EA	12" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	271.18	41.73
		For Heavy Gauge Full-Height SS Brackets, Add	62.23	
		For NFPA Class A, Add	116.39	
10 21 13 19-0037	EA	18" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	371.44	44.94
		For Heavy Gauge Full-Height SS Brackets, Add	62.23	
		For NFPA Class A, Add	174.57	
10 21 13 19-0038	EA	24" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	433.23	48.15
		For Heavy Gauge Full-Height SS Brackets, Add	62.23	
		For NFPA Class A, Add	208.90	
10 21 13 19-0039	EA	30" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	523.89	51.36
		For Heavy Gauge Full-Height SS Brackets, Add	62.23	
		For NFPA Class A, Add	261.13	
10 21 13 19-0040	EA	36" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	559.77	54.57
		For Heavy Gauge Full-Height SS Brackets, Add	62.23	
		For NFPA Class A, Add	279.40	
10 21 13 19-0041	EA	42" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	628.09	57.78
		For Heavy Gauge Full-Height SS Brackets, Add	62.23	
		For NFPA Class A, Add	317.77	
10 21 13 19-0042	EA	48" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	707.72	60.99
		For Heavy Gauge Full-Height SS Brackets, Add	62.23	
		For NFPA Class A, Add	363.17	
10 21 13 19-0043	EA	55" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	772.76	64.19
		For Heavy Gauge Full-Height SS Brackets, Add	62.23	
		For NFPA Class A, Add	399.51	
10 21 13 19-0044	EA	58" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	789.53	65.48
		For Heavy Gauge Full-Height SS Brackets, Add	62.23	
		For NFPA Class A, Add	408.32	
10 21 13 19-0045	EA	60" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	816.09	67.40
		For Heavy Gauge Full-Height SS Brackets, Add	62.23	
		For NFPA Class A, Add	422.39	

10	10	Specialties
	10 20	Interior Specialties
	10 21	Compartments and Cubicles



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
10 21 13 19-0046	EA	70" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel.....	921.89		70.61
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
		For NFPA Class A, Add	484.01		
10 21 13 19-0047	EA	78" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel.....	993.38		73.82
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
		For NFPA Class A, Add	524.36		
10 21 13 19-0048 82" Long, Recycled Solid Plastic (HDPE), Toilet Partition Pilasters (10 21 13 19-0027)					
10 21 13 19-0049	EA	Up To 4" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster.....	219.33		19.26
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
		For NFPA Class A, Add	112.10		
10 21 13 19-0050	EA	5" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	243.88		22.46
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
		For NFPA Class A, Add	123.34		
10 21 13 19-0051	EA	6" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	265.26		25.67
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
		For NFPA Class A, Add	132.62		
10 21 13 19-0052	EA	8" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	285.04		28.88
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
		For NFPA Class A, Add	140.90		
10 21 13 19-0053	EA	10" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	320.00		32.09
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
		For NFPA Class A, Add	158.60		
10 21 13 19-0054	EA	12" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	354.95		35.31
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
		For NFPA Class A, Add	176.29		
10 21 13 19-0055	EA	18" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	486.61		38.52
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
		For NFPA Class A, Add	253.94		
10 21 13 19-0056	EA	22" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	549.98		41.73
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
		For NFPA Class A, Add	289.25		
10 21 13 19-0057	EA	24" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	598.81		44.94
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
		For NFPA Class A, Add	315.54		
10 21 13 19-0058 96" To 120", Recycled Solid Plastic (HDPE), Toilet Partition Pilasters (10 21 13 19-0027)					
10 21 13 19-0059	EA	Up To 4" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	267.92		25.67
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
		For NFPA Class A, Add	134.27		
10 21 13 19-0060	EA	5" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	294.95		28.88
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
		For NFPA Class A, Add	147.05		
10 21 13 19-0061	EA	6" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	324.89		32.09
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
		For NFPA Class A, Add	161.63		
10 21 13 19-0062	EA	8" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	368.05		35.31
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
		For NFPA Class A, Add	184.41		
10 21 13 19-0063	EA	10" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	411.63		38.52
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
		For NFPA Class A, Add	207.45		
10 21 13 19-0064	EA	12" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	454.80		41.73
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
		For NFPA Class A, Add	230.24		
10 21 13 19-0065	EA	18" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	582.35		44.94
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
		For NFPA Class A, Add	305.34		
10 21 13 19-0066	EA	22" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	651.46		48.15
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
		For NFPA Class A, Add	344.21		
10 21 13 19-0067	EA	24 x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	708.34		51.36
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
		For NFPA Class A, Add	375.49		
10 21 13 19-0068 Anti-microbial Recycled Solid Polymer (HDPE) Toilet Partitions And Urinal Screens (10 21 13 19)					
Note: Complete toilet partitions for corner installations. Includes 1" door, 1" pilaster, 1" separator panel, trim shoes, and hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and hardware as required. Constructed of high-density polyethylene (HDPE). Includes Class B fire rating.					
10 21 13 19-0069 Anti-microbial Recycled Solid Plastic (HDPE) Toilet Partitions (10 21 13 19-0068)					
Note: Includes all standard Columbia Partitions colors.					
10 21 13 19-0070 Overhead Braced, Anti-microbial Recycled Solid Plastic (HDPE), Complete Toilet Partitions (10 21 13 19-0069)					
Note: Includes head rail.					
10 21 13 19-0071	EA	36" x 60", Overhead Braced, Anti-microbial Solid Plastic, High-Density Polyethylene (HDPE), One Compartment Corner Unit, Complete Toilet Partition	2,574.16		176.54
		For >10, Deduct	-222.11		
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	224.59		
		For NFPA Class A, Add	1,377.08		

Specialties			10
Interior Specialties			10 20
Compartments and Cubicles			10 21

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0072	EA		60" x 60", Overhead Braced, Anti-microbial Solid Plastic, High-Density Polyethylene (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	3,184.82	189.37
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	224.59	
			For NFPA Class A, Add	1,739.77	
10 21 13 19-0073	EA		60" x 78", Overhead Braced, Anti-microbial Solid Plastic, High-Density Polyethylene (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	3,537.19	195.79
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	224.59	
			For NFPA Class A, Add	1,950.28	
10 21 13 19-0074			Floor And Ceiling Anchored, Anti-microbial Recycled Solid Plastic (HDPE), Complete Toilet Partitions (10 21 13 19-0069) Note: Excludes above ceiling steel.		
10 21 13 19-0075	EA		36" x 60", Floor And Ceiling Anchored, Anti-microbial Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition	2,554.23	208.63
			For >10, Deduct	-213.70	
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	224.59	
			For NFPA Class A, Add	1,324.92	
10 21 13 19-0076	EA		60" x 60", Floor And Ceiling Anchored, Anti-microbial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,219.18	221.47
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	224.59	
			For NFPA Class A, Add	1,721.28	
10 21 13 19-0077	EA		60" x 78", Floor And Ceiling Anchored, Anti-microbial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,571.56	227.88
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	224.59	
			For NFPA Class A, Add	1,931.78	
10 21 13 19-0078			Ceiling Hung, Anti-microbial Recycled Solid Plastic (HDPE), Complete Toilet Partitions (10 21 13 19-0069) Note: Excludes above ceiling steel.		
10 21 13 19-0079	EA		36" x 60", Ceiling Hung, Anti-microbial Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition	2,666.89	240.72
			For >10, Deduct	-218.54	
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	224.59	
			For NFPA Class A, Add	1,354.97	
10 21 13 19-0080	EA		60" x 60", Ceiling Hung, Anti-microbial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,182.30	253.57
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	224.59	
			For NFPA Class A, Add	1,658.61	
10 21 13 19-0081	EA		60" x 78", Ceiling Hung, Anti-microbial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,534.66	259.99
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	224.59	
			For NFPA Class A, Add	1,869.11	
10 21 13 19-0082			Anti-microbial Recycled Solid Plastic (HDPE) Urinal Screens (10 21 13 19-0068) Note: Includes all standard Columbia Partitions colors.		
10 21 13 19-0083			Wall Hung, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screens (10 21 13 19-0082)		
10 21 13 19-0084	EA		18" x 42" x 1", Wall Hung, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	579.50	77.00
			For Heavy Gauge Full-Height SS Brackets, Add	62.23	
			For NFPA Class A, Add	263.80	
10 21 13 19-0085	EA		24" x 42" x 1", Wall Hung, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	605.06	83.42
			For Heavy Gauge Full-Height SS Brackets, Add	62.23	
			For NFPA Class A, Add	271.69	
10 21 13 19-0086			Wall Hung And Post Supported, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screens (10 21 13 19-0082)		
10 21 13 19-0087	EA		18" x 42" x 1", Wall Hung And Post Supported, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	937.96	83.42
			For Heavy Gauge Full-Height SS Brackets, Add	62.23	
			For NFPA Class A, Add	478.09	
10 21 13 19-0088	EA		24" x 42" x 1", Wall Hung And Post Supported, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	1,066.78	89.84
			For Heavy Gauge Full-Height SS Brackets, Add	62.23	
			For NFPA Class A, Add	550.00	
10 21 13 19-0089	EA		30" x 42" x 1", Wall Hung And Post Supported, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	1,137.30	96.25
			For Heavy Gauge Full-Height SS Brackets, Add	62.23	
			For NFPA Class A, Add	585.77	
10 21 13 19-0090			Wall Hung And Overhead Braced, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screens (10 21 13 19-0082)		
10 21 13 19-0091	EA		24" x 55" x 1", Wall Hung And Overhead Braced, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	758.03	89.84
			For Heavy Gauge Full-Height SS Brackets, Add	62.23	
			For NFPA Class A, Add	358.58	
10 21 13 19-0092	EA		36" x 55" x 1", Wall Hung And Overhead Braced, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	963.63	96.25
			For Heavy Gauge Full-Height SS Brackets, Add	62.23	
			For NFPA Class A, Add	478.09	
10 21 13 19-0093	EA		48" x 55" x 1", Wall Hung And Overhead Braced, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	1,150.14	102.67
			For Heavy Gauge Full-Height SS Brackets, Add	62.23	
			For NFPA Class A, Add	585.77	
10 21 13 19-0094			Anti-microbial Recycled Solid Plastic (HDPE) Toilet Partition Doors, Panels And Pilasters (10 21 13 19-0068) Note: Includes all standard Columbia Partitions colors.		

10 Specialties**10 20 Interior Specialties****10 21 Compartments and Cubicles**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

10 21 13 19-0095	Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Doors (10 21 13 19-0094)			
10 21 13 19-0096	EA 24" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Door.....	623.05	25.67	
	For Heavy Gauge Full-Height SS Hinge, Add	100.14		
	For NFPA Class A, Add	354.45		
10 21 13 19-0097	EA 26" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Door.....	675.10	25.67	
	For Heavy Gauge Full-Height SS Hinge, Add	100.14		
	For NFPA Class A, Add	386.72		
10 21 13 19-0098	EA 30" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Door.....	733.14	28.88	
	For Heavy Gauge Full-Height SS Hinge, Add	100.14		
	For NFPA Class A, Add	418.72		
10 21 13 19-0099	EA 34" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door.....	838.44	28.88	
	For Heavy Gauge Full-Height SS Hinge, Add	100.14		
	For NFPA Class A, Add	484.01		
10 21 13 19-0100	EA 36" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door.....	863.35	28.88	
	For Heavy Gauge Full-Height SS Hinge, Add	100.14		
	For NFPA Class A, Add	499.45		
10 21 13 19-0101	Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panels (10 21 13 19-0094)			
10 21 13 19-0102	EA 6" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel.....	203.74	38.52	
	For Heavy Gauge Full-Height SS Brackets, Add	62.23		
	For NFPA Class A, Add	78.56		
10 21 13 19-0103	EA 12" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel.....	336.88	41.73	
	For Heavy Gauge Full-Height SS Brackets, Add	62.23		
	For NFPA Class A, Add	157.13		
10 21 13 19-0104	EA 18" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel.....	470.01	44.94	
	For Heavy Gauge Full-Height SS Brackets, Add	62.23		
	For NFPA Class A, Add	235.69		
10 21 13 19-0105	EA 24" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel.....	551.14	48.15	
	For Heavy Gauge Full-Height SS Brackets, Add	62.23		
	For NFPA Class A, Add	282.01		
10 21 13 19-0106	EA 30" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel.....	671.29	51.36	
	For Heavy Gauge Full-Height SS Brackets, Add	62.23		
	For NFPA Class A, Add	352.52		
10 21 13 19-0107	EA 36" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel.....	717.49	54.57	
	For Heavy Gauge Full-Height SS Brackets, Add	62.23		
	For NFPA Class A, Add	377.18		
10 21 13 19-0108	EA 42" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel.....	807.48	57.78	
	For Heavy Gauge Full-Height SS Brackets, Add	62.23		
	For NFPA Class A, Add	429.00		
10 21 13 19-0109	EA 48" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel.....	912.75	60.99	
	For Heavy Gauge Full-Height SS Brackets, Add	62.23		
	For NFPA Class A, Add	490.28		
10 21 13 19-0110	EA 55" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel.....	998.30	64.19	
	For Heavy Gauge Full-Height SS Brackets, Add	62.23		
	For NFPA Class A, Add	539.34		
10 21 13 19-0111	EA 58" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel.....	1,020.03	65.48	
	For Heavy Gauge Full-Height SS Brackets, Add	62.23		
	For NFPA Class A, Add	551.23		
10 21 13 19-0112	EA 60" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel.....	1,054.53	67.40	
	For Heavy Gauge Full-Height SS Brackets, Add	62.23		
	For NFPA Class A, Add	570.23		
10 21 13 19-0113	EA 70" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel.....	1,195.14	70.61	
	For Heavy Gauge Full-Height SS Brackets, Add	62.23		
	For NFPA Class A, Add	653.42		
10 21 13 19-0114	EA 78" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel.....	1,289.38	73.82	
	For Heavy Gauge Full-Height SS Brackets, Add	62.23		
	For NFPA Class A, Add	707.88		
10 21 13 19-0115	82" Long, Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilasters (10 21 13 19-0094)			
10 21 13 19-0116	EA Up To 4" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster.....	282.61	19.26	
	For Heavy Gauge Full-Height SS Brackets, Add	62.23		
	For NFPA Class A, Add	151.34		
10 21 13 19-0117	EA 5" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster.....	313.51	22.46	
	For Heavy Gauge Full-Height SS Brackets, Add	62.23		
	For NFPA Class A, Add	166.51		
10 21 13 19-0118	EA 6" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster.....	340.12	25.67	
	For Heavy Gauge Full-Height SS Brackets, Add	62.23		
	For NFPA Class A, Add	179.03		
10 21 13 19-0119	EA 8" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster.....	392.48	28.88	
	For Heavy Gauge Full-Height SS Brackets, Add	62.23		
	For NFPA Class A, Add	207.51		
10 21 13 19-0120	EA 10" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster.....	440.95	32.09	
	For Heavy Gauge Full-Height SS Brackets, Add	62.23		
	For NFPA Class A, Add	233.59		
10 21 13 19-0121	EA 12" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster.....	489.37	35.31	
	For Heavy Gauge Full-Height SS Brackets, Add	62.23		
	For NFPA Class A, Add	259.63		
10 21 13 19-0122	EA 18" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster.....	629.96	38.52	
	For Heavy Gauge Full-Height SS Brackets, Add	62.23		
	For NFPA Class A, Add	342.82		
10 21 13 19-0123	EA 22" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster.....	713.28	41.73	
	For Heavy Gauge Full-Height SS Brackets, Add	62.23		
	For NFPA Class A, Add	390.49		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0124	EA	24" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	776.93 62.23 425.98	44.94
10 21 13 19-0125		96" To 120", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilasters (10 21 13 19-0094)		
10 21 13 19-0126	EA	Up To 4" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	343.72 62.23 181.26	25.67
10 21 13 19-0127	EA	5" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	377.97 62.23 198.52	28.88
10 21 13 19-0128	EA	6" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	416.15 62.23 218.22	32.09
10 21 13 19-0129	EA	8" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	472.17 62.23 248.97	35.31
10 21 13 19-0130	EA	10" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	528.75 62.23 280.07	38.52
10 21 13 19-0131	EA	12" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	584.76 62.23 310.81	41.73
10 21 13 19-0132	EA	18" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	754.73 62.23 412.21	44.94
10 21 13 19-0133	EA	22" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	845.76 62.23 464.67	48.15
10 21 13 19-0134	EA	24 x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	920.31 62.23 506.91	51.36
10 21 13 19-0135		Solid Phenolic Toilet Partitions And Urinal Screens (10 21 13 19) Note: Complete toilet partitions for corner installations. Includes 3/4" door, 3/4" pilaster, 1/2" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of solid phenolic (resin impregnated kraft paper) core with a high pressure decorative matte surface finish as an integral part of the core material. Includes Class B fire rating.		
10 21 13 19-0136		Solid Phenolic Toilet Partitions (10 21 13 19-0135) Note: Includes all standard Bobrick colors.		
10 21 13 19-0137		Floor Anchored, Solid Phenolic, Complete Toilet Partitions (10 21 13 19-0136)		
10 21 13 19-0138	EA	36" x 60", Floor Anchored, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition..... <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,090.58 -180.17 224.59 392.80	144.43
10 21 13 19-0139	EA	60" x 60", Floor Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,565.44 224.59 488.41	157.27
10 21 13 19-0140	EA	60" x 78", Floor Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,862.95 224.59 548.84	163.69
10 21 13 19-0141		Overhead Braced, Solid Phenolic, Complete Toilet Partitions (10 21 13 19-0136) Note: Includes head rail.		
10 21 13 19-0142	EA	36" x 60", Overhead Braced, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition..... <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,323.20 -197.01 224.59 431.38	176.54
10 21 13 19-0143	EA	60" x 60", Overhead Braced, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,816.86 224.59 530.94	189.37
10 21 13 19-0144	EA	60" x 78", Overhead Braced, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	3,128.70 224.59 594.37	195.79
10 21 13 19-0145		Floor And Ceiling Anchored, Solid Phenolic, Complete Toilet Partitions (10 21 13 19-0136) Note: Excludes above ceiling steel.		
10 21 13 19-0146	EA	36" x 60", Floor And Ceiling Anchored, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,402.79 -198.55 224.59 437.82	208.63
10 21 13 19-0147	EA	60" x 60", Floor And Ceiling Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,892.95 224.59 536.65	221.47

10	10	Specialties
	10 20	Interior Specialties
	10 21	Compartments and Cubicles



		MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0148	EA	60" x 78", Floor And Ceiling Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....				3,190.47	227.88
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add				224.59	
		For NFPA Class A, Add				597.07	
10 21 13 19-0149		Ceiling Hung, Solid Phenolic, Complete Toilet Partitions (10 21 13 19-0136)					
		Note: Excludes above ceiling steel.					
10 21 13 19-0150	EA	36" x 60", Ceiling Hung, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition.....				2,375.09	240.72
		For >10, Deduct				-189.36	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add				224.59	
		For NFPA Class A, Add				421.74	
10 21 13 19-0151	EA	60" x 60", Ceiling Hung, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition				2,849.60	253.57
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add				224.59	
		For NFPA Class A, Add				517.28	
10 21 13 19-0152	EA	60" x 78", Ceiling Hung, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition				3,147.11	259.99
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add				224.59	
		For NFPA Class A, Add				577.70	
10 21 13 19-0153		Solid Phenolic Urinal Screens (10 21 13 19-0135)					
		Note: Includes all standard Bobrick colors.					
10 21 13 19-0154		Floor Anchored, Solid Phenolic, Urinal Screens (10 21 13 19-0153)					
10 21 13 19-0155	EA	24" x 58" x 1/2", Floor Anchored, Solid Phenolic, Urinal Screen.....				766.90	89.84
		For Heavy Gauge Full-Height SS Brackets, Add				62.23	
		For NFPA Class A, Add				132.30	
10 21 13 19-0156	EA	36" x 58" x 1/2", Floor Anchored, Solid Phenolic, Urinal Screen.....				866.28	96.25
		For Heavy Gauge Full-Height SS Brackets, Add				62.23	
		For NFPA Class A, Add				151.12	
10 21 13 19-0157	EA	48" x 58" x 1/2", Floor Anchored, Solid Phenolic, Urinal Screen.....				1,037.19	102.67
		For Heavy Gauge Full-Height SS Brackets, Add				62.23	
		For NFPA Class A, Add				184.95	
10 21 13 19-0158		Wall Hung, Solid Phenolic, Urinal Screens (10 21 13 19-0153)					
10 21 13 19-0159	EA	18" x 42" x 1/2", Wall Hung, Solid Phenolic, Urinal Screen.....				493.04	77.00
		For Heavy Gauge Full-Height SS Brackets, Add				62.23	
		For NFPA Class A, Add				78.90	
10 21 13 19-0160	EA	24" x 42" x 1/2", Wall Hung, Solid Phenolic, Urinal Screen.....				570.24	83.42
		For Heavy Gauge Full-Height SS Brackets, Add				62.23	
		For NFPA Class A, Add				93.06	
10 21 13 19-0161	EA	30" x 42" x 1/2", Wall Hung, Solid Phenolic, Urinal Screen.....				684.02	89.84
		For Heavy Gauge Full-Height SS Brackets, Add				62.23	
		For NFPA Class A, Add				114.90	
10 21 13 19-0162		Wall Hung And Post Supported, Solid Phenolic, Urinal Screens (10 21 13 19-0153)					
10 21 13 19-0163	EA	18" x 58" x 1/2", Wall Hung And Post Supported, Solid Phenolic, Urinal Screen.....				501.46	83.42
		For Heavy Gauge Full-Height SS Brackets, Add				62.23	
		For NFPA Class A, Add				78.61	
10 21 13 19-0164	EA	24" x 58" x 1/2", Wall Hung And Post Supported, Solid Phenolic, Urinal Screen.....				625.82	89.84
		For Heavy Gauge Full-Height SS Brackets, Add				62.23	
		For NFPA Class A, Add				102.67	
10 21 13 19-0165	EA	30" x 58" x 1/2", Wall Hung And Post Supported, Solid Phenolic, Urinal Screen.....				730.38	96.25
		For Heavy Gauge Full-Height SS Brackets, Add				62.23	
		For NFPA Class A, Add				122.58	
10 21 13 19-0166		Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screens (10 21 13 19-0153)					
10 21 13 19-0167	EA	22" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screen				787.91	83.42
		For Heavy Gauge Full-Height SS Brackets, Add				62.23	
		For NFPA Class A, Add				138.77	
10 21 13 19-0168	EA	36" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screen				887.89	89.84
		For Heavy Gauge Full-Height SS Brackets, Add				62.23	
		For NFPA Class A, Add				157.71	
10 21 13 19-0169	EA	48" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screen				1,062.03	96.25
		For Heavy Gauge Full-Height SS Brackets, Add				62.23	
		For NFPA Class A, Add				192.22	
10 21 13 19-0170		Solid Phenolic Toilet Partition Doors, Panels And Pilasters (10 21 13 19-0135)					
		Note: Includes all standard Bobrick colors.					
10 21 13 19-0171		Solid Phenolic, Toilet Partition Doors (10 21 13 19-0170)					
10 21 13 19-0172	EA	24" x 58" x 3/4", Solid Phenolic, Toilet Partition Door				564.91	25.67
		For Heavy Gauge Full-Height SS Hinge, Add				100.14	
		For NFPA Class A, Add				110.41	
10 21 13 19-0173	EA	26" x 58" x 3/4", Solid Phenolic, Toilet Partition Door				584.22	25.67
		For Heavy Gauge Full-Height SS Hinge, Add				100.14	
		For NFPA Class A, Add				114.47	
10 21 13 19-0174	EA	30" x 58" x 3/4", Solid Phenolic, Toilet Partition Door				640.19	28.88
		For Heavy Gauge Full-Height SS Hinge, Add				100.14	
		For NFPA Class A, Add				125.20	
10 21 13 19-0175	EA	34" x 58" x 3/4", Solid Phenolic, ADA Compliant Toilet Partition Door				690.55	28.88
		For Heavy Gauge Full-Height SS Hinge, Add				100.14	
		For NFPA Class A, Add				135.77	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0176	EA	36" x 58" x 3/4", Solid Phenolic, ADA Compliant Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	742.27 100.14 146.63	28.88
10 21 13 19-0177 Solid Phenolic, Toilet Partition Panels (10 21 13 19-0170)				
10 21 13 19-0178	EA	6" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	184.06 62.23 26.33	38.52
10 21 13 19-0179	EA	12" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	243.95 62.23 37.88	41.73
10 21 13 19-0180	EA	18" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	330.59 62.23 55.04	44.94
10 21 13 19-0181	EA	24" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	418.15 62.23 72.41	48.15
10 21 13 19-0182	EA	30" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	465.94 62.23 81.41	51.36
10 21 13 19-0183	EA	36" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	516.11 62.23 90.92	54.57
10 21 13 19-0184	EA	42" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	601.38 62.23 107.80	57.78
10 21 13 19-0185	EA	48" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	689.16 62.23 125.21	60.99
10 21 13 19-0186	EA	55" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	734.92 62.23 133.79	64.19
10 21 13 19-0187	EA	58" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	755.36 62.23 137.67	65.48
10 21 13 19-0188	EA	60" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	769.95 62.23 140.12	67.40
10 21 13 19-0189	EA	70" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	885.09 62.23 163.27	70.61
10 21 13 19-0190	EA	78" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,067.45 62.23 200.54	73.82
10 21 13 19-0191 69" Long, Solid Phenolic, Toilet Partition Pilasters (10 21 13 19-0170)				
10 21 13 19-0192	EA	Up To 4" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	269.55 28.88 62.23 50.44	19.26
10 21 13 19-0193	EA	5" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	310.30 33.17 62.23 57.97	22.46
10 21 13 19-0194	EA	6" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	316.72 33.17 62.23 58.29	25.67
10 21 13 19-0195	EA	8" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	366.77 38.62 62.23 67.78	28.88
10 21 13 19-0196	EA	10" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	412.52 43.54 62.23 76.36	32.09
10 21 13 19-0197	EA	12" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	458.28 48.46 62.23 84.94	35.31
10 21 13 19-0198	EA	16" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	585.57 63.57 62.23 110.64	38.52
10 21 13 19-0199	EA	20" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	718.59 79.39 62.23 137.55	41.73
10 21 13 19-0200	EA	24" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	755.05 83.15 62.23 144.18	44.94
10 21 13 19-0201 83" Long, Solid Phenolic, Toilet Partition Pilasters (10 21 13 19-0170)				

10	10	Specialties
	10 20	Interior Specialties
	10 21	Compartments and Cubicles



MINOR		DESCRIPTION	TOTAL DIRECT		DEMOLITION
CSI	UOM		UNIT COST	UNIT COST	
10 21 13 19-0202	EA	Up To 4" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	295.29		19.26
		For 1" Pilaster, Add	32.10		
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
		For NFPA Class A, Add	55.85		
10 21 13 19-0203	EA	5" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	346.06		22.46
		For 1" Pilaster, Add	37.64		
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
		For NFPA Class A, Add	65.48		
10 21 13 19-0204	EA	6" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	352.48		25.67
		For 1" Pilaster, Add	37.64		
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
		For NFPA Class A, Add	65.80		
10 21 13 19-0205	EA	8" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	408.25		28.88
		For 1" Pilaster, Add	43.81		
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
		For NFPA Class A, Add	76.49		
10 21 13 19-0206	EA	10" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	461.15		32.09
		For 1" Pilaster, Add	49.62		
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
		For NFPA Class A, Add	86.57		
10 21 13 19-0207	EA	12" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	514.44		35.31
		For 1" Pilaster, Add	55.48		
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
		For NFPA Class A, Add	96.73		
10 21 13 19-0208	EA	16" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	669.26		38.52
		For 1" Pilaster, Add	74.03		
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
		For NFPA Class A, Add	128.22		
10 21 13 19-0209	EA	20" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	796.93		41.73
		For 1" Pilaster, Add	89.19		
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
		For NFPA Class A, Add	154.00		
10 21 13 19-0210	EA	24" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	838.39		44.94
		For 1" Pilaster, Add	93.57		
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
		For NFPA Class A, Add	161.68		
10 21 13 19-0211		96" To 120" Long, Solid Phenolic, Toilet Partition Pilasters (10 21 13 19-0170)			
10 21 13 19-0212	EA	Up To 4" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	333.88		25.67
		For 1" Pilaster, Add	35.32		
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
		For NFPA Class A, Add	61.90		
10 21 13 19-0213	EA	5" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	394.66		28.88
		For 1" Pilaster, Add	42.11		
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
		For NFPA Class A, Add	73.63		
10 21 13 19-0214	EA	6" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	401.07		32.09
		For 1" Pilaster, Add	42.11		
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
		For NFPA Class A, Add	73.95		
10 21 13 19-0215	EA	8" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	462.57		35.31
		For 1" Pilaster, Add	49.00		
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
		For NFPA Class A, Add	85.84		
10 21 13 19-0216	EA	10" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	522.63		38.52
		For 1" Pilaster, Add	55.70		
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
		For NFPA Class A, Add	97.43		
10 21 13 19-0217	EA	12" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	583.41		41.73
		For 1" Pilaster, Add	62.50		
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
		For NFPA Class A, Add	109.16		
10 21 13 19-0218	EA	16" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	765.78		44.94
		For 1" Pilaster, Add	84.49		
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
		For NFPA Class A, Add	146.43		
10 21 13 19-0219	EA	20" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	888.07		48.15
		For 1" Pilaster, Add	98.97		
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
		For NFPA Class A, Add	171.09		
10 21 13 19-0220	EA	24" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	934.55		51.36
		For 1" Pilaster, Add	103.98		
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
		For NFPA Class A, Add	179.82		
10 21 13 19-0221		Solid Color Reinforced Composite Toilet Partitions And Urinal Screens (10 21 13 19-0221) Note: Complete toilet partitions for corner installations. Includes 3/4" door, 3/4" pilaster, 1/2" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of solid color reinforced composite core with a high pressure decorative matte surface finish as an integral part of the core material.			
10 21 13 19-0222		Solid Color Reinforced Composite Toilet Partitions (10 21 13 19-0222) Note: Includes all standard Bobrick colors.			
10 21 13 19-0223		Floor Anchored, Solid Color Reinforced Composite, Complete Toilet Partitions (10 21 13 19-0222)			

Specialties			10
Interior Specialties			10 20
Compartments and Cubicles			10 21

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0224	EA		36" x 60", Floor Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition.....	2,306.79	144.43
			<i>For >10, Deduct</i>	-201.79	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	224.59	
10 21 13 19-0225	EA		60" x 60", Floor Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	2,835.55	157.27
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	224.59	
10 21 13 19-0226	EA		60" x 78", Floor Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	3,167.22	163.69
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	224.59	
10 21 13 19-0227			Overhead Braced, Solid Color Reinforced Composite, Complete Toilet Partitions (10 21 13 19-0222) Note: Includes head rail.		
10 21 13 19-0228	EA		36" x 60", Overhead Braced, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition.....	2,559.62	176.54
			<i>For >10, Deduct</i>	-220.66	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	224.59	
10 21 13 19-0229	EA		60" x 60", Overhead Braced, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	3,109.43	189.37
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	224.59	
10 21 13 19-0230	EA		60" x 78", Overhead Braced, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	3,457.15	195.79
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	224.59	
10 21 13 19-0231			Floor And Ceiling Anchored, Solid Color Reinforced Composite, Complete Toilet Partitions (10 21 13 19-0222) Note: Excludes above ceiling steel.		
10 21 13 19-0232	EA		36" x 60", Floor And Ceiling Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition.....	2,641.06	208.63
			<i>For >10, Deduct</i>	-222.38	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	224.59	
10 21 13 19-0233	EA		60" x 60", Floor And Ceiling Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	3,186.95	221.47
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	224.59	
10 21 13 19-0234	EA		60" x 78", Floor And Ceiling Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	3,518.63	227.88
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	224.59	
10 21 13 19-0235			Ceiling Hung, Solid Color Reinforced Composite, Complete Toilet Partitions (10 21 13 19-0222) Note: Excludes above ceiling steel.		
10 21 13 19-0236	EA		36" x 60", Ceiling Hung, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition.....	2,602.33	240.72
			<i>For >10, Deduct</i>	-212.09	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	224.59	
10 21 13 19-0237	EA		60" x 60", Ceiling Hung, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	3,130.70	253.57
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	224.59	
10 21 13 19-0238	EA		60" x 78", Ceiling Hung, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	3,462.37	259.99
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	224.59	
10 21 13 19-0239			Solid Color Reinforced Composite Urinal Screens (10 21 13 19-0221) Note: Includes all standard Bobrick colors.		
10 21 13 19-0240			Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screens (10 21 13 19-0239)		
10 21 13 19-0241	EA		24" x 58" x 1/2", Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screen.....	837.37	89.84
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13 19-0242	EA		36" x 58" x 1/2", Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screen.....	947.13	96.25
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13 19-0243	EA		48" x 58" x 1/2", Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screen.....	1,137.01	102.67
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13 19-0244			Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screens (10 21 13 19-0239)		
10 21 13 19-0245	EA		18" x 42" x 1/2", Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screen.....	533.72	77.00
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13 19-0246	EA		24" x 42" x 1/2", Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screen.....	618.65	83.42
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13 19-0247	EA		30" x 42" x 1/2", Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screen.....	744.54	89.84
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13 19-0248			Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screens (10 21 13 19-0239)		
10 21 13 19-0249	EA		18" x 58" x 1/2", Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screen.....	541.62	83.42
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13 19-0250	EA		24" x 58" x 1/2", Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screen.....	679.36	89.84
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	

10	10	Specialties
	10 20	Interior Specialties
	10 21	Compartments and Cubicles



		MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	10 21 13 19-0251	EA			30" x 58" x 1/2", Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	794.92 62.23	96.25
	10 21 13 19-0252				Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screens (10 21 13 19-0239)		
	10 21 13 19-0253	EA			22" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	862.43 62.23	83.42
	10 21 13 19-0254	EA			36" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	972.88 62.23	89.84
	10 21 13 19-0255	EA			48" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,166.37 62.23	96.25
	10 21 13 19-0256				Solid Color Reinforced Composite Toilet Partition Doors, Panels And Pilasters (10 21 13 19-0221) Note: Includes all standard Bobrick colors. See CSI section 10 21 13 43-0001 for other accessories.		
	10 21 13 19-0257				Solid Color Reinforced Composite, Toilet Partition Doors (10 21 13 19-0256)		
	10 21 13 19-0258	EA			24" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	626.54 100.14	25.67
	10 21 13 19-0259	EA			26" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	648.16 100.14	25.67
	10 21 13 19-0260	EA			30" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	710.08 100.14	28.88
	10 21 13 19-0261	EA			34" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	766.48 100.14	28.88
	10 21 13 19-0262	EA			36" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	824.41 100.14	28.88
	10 21 13 19-0263				Solid Color Reinforced Composite, Toilet Partition Panels (10 21 13 19-0256)		
	10 21 13 19-0264	EA			6" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	196.90 62.23	38.52
	10 21 13 19-0265	EA			12" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	263.21 62.23	41.73
	10 21 13 19-0266	EA			18" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	359.48 62.23	44.94
	10 21 13 19-0267	EA			24" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	456.78 62.23	48.15
	10 21 13 19-0268	EA			30" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	509.53 62.23	51.36
	10 21 13 19-0269	EA			36" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	564.94 62.23	54.57
	10 21 13 19-0270	EA			42" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	659.68 62.23	57.78
	10 21 13 19-0271	EA			48" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	757.23 62.23	60.99
	10 21 13 19-0272	EA			55" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	807.71 62.23	64.19
	10 21 13 19-0273	EA			58" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	830.29 62.23	65.48
	10 21 13 19-0274	EA			60" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	846.17 62.23	67.40
	10 21 13 19-0275	EA			70" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	974.35 62.23	70.61
	10 21 13 19-0276	EA			78" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,177.83 62.23	73.82
	10 21 13 19-0277				69" Long, Solid Color Reinforced Composite, Toilet Partition Pilasters (10 21 13 19-0256)		
	10 21 13 19-0278	EA			Up To 4" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	297.27 32.34 62.23	19.26
	10 21 13 19-0279	EA			5" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	342.14 37.15 62.23	22.46
	10 21 13 19-0280	EA			6" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	348.56 37.15 62.23	25.67
	10 21 13 19-0281	EA			8" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	403.85 43.26 62.23	28.88
	10 21 13 19-0282	EA			10" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	454.32 48.77 62.23	32.09
	10 21 13 19-0283	EA			12" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	504.80 54.27 62.23	35.31
	10 21 13 19-0284	EA			16" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	646.60 71.20 62.23	38.52

Specialties			10
Interior Specialties			10 20
Compartments and Cubicles			10 21

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0285	EA		20" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster.....	794.81	41.73
			For 1" Pilaster, Add	88.92	
			For Heavy Gauge Full-Height SS Brackets, Add	62.23	
10 21 13 19-0286	EA		24" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster.....	834.87	44.94
			For 1" Pilaster, Add	93.13	
			For Heavy Gauge Full-Height SS Brackets, Add	62.23	
10 21 13 19-0287			83" Long, Solid Color Reinforced Composite, Toilet Partition Pilasters (10 21 13 19-0286)		
10 21 13 19-0288	EA		Up To 4" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	326.11	19.26
			For 1" Pilaster, Add	35.95	
			For Heavy Gauge Full-Height SS Brackets, Add	62.23	
10 21 13 19-0289	EA		5" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	382.19	22.46
			For 1" Pilaster, Add	42.16	
			For Heavy Gauge Full-Height SS Brackets, Add	62.23	
10 21 13 19-0290	EA		6" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	388.61	25.67
			For 1" Pilaster, Add	42.16	
			For Heavy Gauge Full-Height SS Brackets, Add	62.23	
10 21 13 19-0291	EA		8" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	450.31	28.88
			For 1" Pilaster, Add	49.07	
			For Heavy Gauge Full-Height SS Brackets, Add	62.23	
10 21 13 19-0292	EA		10" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster.....	508.79	32.09
			For 1" Pilaster, Add	55.58	
			For Heavy Gauge Full-Height SS Brackets, Add	62.23	
10 21 13 19-0293	EA		12" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster.....	567.70	35.31
			For 1" Pilaster, Add	62.14	
			For Heavy Gauge Full-Height SS Brackets, Add	62.23	
10 21 13 19-0294	EA		16" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster.....	740.32	38.52
			For 1" Pilaster, Add	82.91	
			For Heavy Gauge Full-Height SS Brackets, Add	62.23	
10 21 13 19-0295	EA		20" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster.....	882.54	41.73
			For 1" Pilaster, Add	99.89	
			For Heavy Gauge Full-Height SS Brackets, Add	62.23	
10 21 13 19-0296	EA		24" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster.....	928.22	44.94
			For 1" Pilaster, Add	104.79	
			For Heavy Gauge Full-Height SS Brackets, Add	62.23	
10 21 13 19-0297			96" To 120" Long, Solid Color Reinforced Composite, Toilet Partition Pilasters (10 21 13 19-0296)		
10 21 13 19-0298	EA		Up To 4" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster.....	367.79	25.67
			For 1" Pilaster, Add	39.55	
			For Heavy Gauge Full-Height SS Brackets, Add	62.23	
10 21 13 19-0299	EA		5" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	435.09	28.88
			For 1" Pilaster, Add	47.16	
			For Heavy Gauge Full-Height SS Brackets, Add	62.23	
10 21 13 19-0300	EA		6" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	441.50	32.09
			For 1" Pilaster, Add	47.16	
			For Heavy Gauge Full-Height SS Brackets, Add	62.23	
10 21 13 19-0301	EA		8" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	509.60	35.31
			For 1" Pilaster, Add	54.87	
			For Heavy Gauge Full-Height SS Brackets, Add	62.23	
10 21 13 19-0302	EA		10" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	576.10	38.52
			For 1" Pilaster, Add	62.38	
			For Heavy Gauge Full-Height SS Brackets, Add	62.23	
10 21 13 19-0303	EA		12" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	643.40	41.73
			For 1" Pilaster, Add	69.99	
			For Heavy Gauge Full-Height SS Brackets, Add	62.23	
10 21 13 19-0304	EA		16" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	846.89	44.94
			For 1" Pilaster, Add	94.63	
			For Heavy Gauge Full-Height SS Brackets, Add	62.23	
10 21 13 19-0305	EA		20" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	983.09	48.15
			For 1" Pilaster, Add	110.85	
			For Heavy Gauge Full-Height SS Brackets, Add	62.23	
10 21 13 19-0306	EA		24" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	1,034.37	51.36
			For 1" Pilaster, Add	116.46	
			For Heavy Gauge Full-Height SS Brackets, Add	62.23	
10 21 13 19-0307			Solid Polyester (Corian) Toilet Partitions And Urinal Screens (10 21 13 19-0307)		
			Note: Complete toilet partitions for corner installations. Includes 1/2" door (1" at edge), 1" pilaster, 1/2" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Produced or cast by combining unsaturated polyester resin with a combination of fillers, pigments and catalysts.		
10 21 13 19-0308			Solid Polyester (Corian) Toilet Partitions (10 21 13 19-0307)		
			Note: Small particulate finish.		
10 21 13 19-0309			Floor Anchored, Solid Polyester (Corian), Complete Toilet Partitions (10 21 13 19-0308)		
10 21 13 19-0310	EA		36" x 60", Floor Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition	5,156.15	144.43
			For >10, Deduct	-486.73	
			For Solid Color Material (No Particulate), Deduct	-1,119.47	
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	224.59	
10 21 13 19-0311	EA		60" x 60", Floor Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	6,228.48	157.27
			For Solid Color Material (No Particulate), Deduct	-1,360.20	
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	224.59	

10	10	Specialties
	10 20	Interior Specialties
	10 21	Compartments and Cubicles



		MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0312	EA				60" x 78", Floor Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	6,908.19	163.69
					For Solid Color Material (No Particulate), Deduct	-1,513.58	
					For Heavy Gauge Full-Height SS Hinges And Brackets, Add	224.59	
10 21 13 19-0313					Overhead Braced, Solid Polyester (Corian), Complete Toilet Partitions (10 21 13 19-0308)		
10 21 13 19-0314	EA				36" x 60", Overhead Braced, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition.....	5,352.92	176.54
					For >10, Deduct	-499.99	
					For Solid Color Material (No Particulate), Deduct	-1,149.97	
					For Heavy Gauge Full-Height SS Hinges And Brackets, Add	224.59	
10 21 13 19-0315	EA				60" x 60", Overhead Braced, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	7,036.68	189.37
					For Solid Color Material (No Particulate), Deduct	-1,531.33	
					For Heavy Gauge Full-Height SS Hinges And Brackets, Add	224.59	
10 21 13 19-0316	EA				60" x 78", Overhead Braced, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	7,791.06	195.79
					For Solid Color Material (No Particulate), Deduct	-1,701.88	
					For Heavy Gauge Full-Height SS Hinges And Brackets, Add	224.59	
10 21 13 19-0317					Floor And Ceiling Anchored, Solid Polyester (Corian), Complete Toilet Partitions (10 21 13 19-0308)		
					Note: Excludes above ceiling steel.		
10 21 13 19-0318	EA				36" x 60", Floor And Ceiling Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition.....	5,995.42	208.63
					For >10, Deduct	-557.82	
					For Solid Color Material (No Particulate), Deduct	-1,282.98	
					For Heavy Gauge Full-Height SS Hinges And Brackets, Add	224.59	
10 21 13 19-0319	EA				60" x 60", Floor And Ceiling Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	8,057.71	221.47
					For Solid Color Material (No Particulate), Deduct	-1,751.40	
					For Heavy Gauge Full-Height SS Hinges And Brackets, Add	224.59	
10 21 13 19-0320	EA				60" x 78", Floor And Ceiling Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	8,811.52	227.88
					For Solid Color Material (No Particulate), Deduct	-1,921.82	
					For Heavy Gauge Full-Height SS Hinges And Brackets, Add	224.59	
10 21 13 19-0321					Ceiling Hung, Solid Polyester (Corian), Complete Toilet Partitions (10 21 13 19-0308)		
					Note: Excludes above ceiling steel.		
10 21 13 19-0322	EA				36" x 60", Ceiling Hung, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition.....	6,052.45	240.72
					For >10, Deduct	-557.10	
					For Solid Color Material (No Particulate), Deduct	-1,281.33	
					For Heavy Gauge Full-Height SS Hinges And Brackets, Add	224.59	
10 21 13 19-0323	EA				60" x 60", Ceiling Hung, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	7,736.82	253.57
					For Solid Color Material (No Particulate), Deduct	-1,662.83	
					For Heavy Gauge Full-Height SS Hinges And Brackets, Add	224.59	
10 21 13 19-0324	EA				60" x 78", Ceiling Hung, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	8,490.61	259.99
					For Solid Color Material (No Particulate), Deduct	-1,833.25	
					For Heavy Gauge Full-Height SS Hinges And Brackets, Add	224.59	
10 21 13 19-0325					Solid Polyester (Corian) Urinal Screens (10 21 13 19-0307)		
10 21 13 19-0326					Floor Anchored, Solid Polyester (Corian), Urinal Screens (10 21 13 19-0325)		
10 21 13 19-0327	EA				24" x 58" x 1/2", Floor Anchored, Solid Polyester (Corian), Urinal Screen.....	1,417.73	89.84
					For Solid Color Material (No Particulate), Deduct	-284.75	
					For Heavy Gauge Full-Height SS Brackets, Add	62.23	
10 21 13 19-0328	EA				36" x 58" x 1/2", Floor Anchored, Solid Polyester (Corian), Urinal Screen.....	1,875.15	96.25
					For Solid Color Material (No Particulate), Deduct	-387.01	
					For Heavy Gauge Full-Height SS Brackets, Add	62.23	
10 21 13 19-0329	EA				48" x 58" x 1/2", Floor Anchored, Solid Polyester (Corian), Urinal Screen.....	2,332.58	102.67
					For Solid Color Material (No Particulate), Deduct	-489.26	
					For Heavy Gauge Full-Height SS Brackets, Add	62.23	
10 21 13 19-0330					Wall Hung, Solid Polyester (Corian), Urinal Screens (10 21 13 19-0325)		
10 21 13 19-0331	EA				18" x 42" x 1/2", Wall Hung, Solid Polyester (Corian), Urinal Screen.....	722.65	77.00
					For Solid Color Material (No Particulate), Deduct	-130.79	
					For Heavy Gauge Full-Height SS Brackets, Add	62.23	
10 21 13 19-0332	EA				24" x 42" x 1/2", Wall Hung, Solid Polyester (Corian), Urinal Screen.....	925.01	83.42
					For Solid Color Material (No Particulate), Deduct	-174.38	
					For Heavy Gauge Full-Height SS Brackets, Add	62.23	
10 21 13 19-0333	EA				30" x 42" x 1/2", Wall Hung, Solid Polyester (Corian), Urinal Screen.....	1,127.41	89.84
					For Solid Color Material (No Particulate), Deduct	-217.98	
					For Heavy Gauge Full-Height SS Brackets, Add	62.23	
10 21 13 19-0334					Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screens (10 21 13 19-0325)		
10 21 13 19-0335	EA				18" x 58" x 1/2", Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screen.....	946.84	83.42
					For Solid Color Material (No Particulate), Deduct	-179.40	
					For Heavy Gauge Full-Height SS Brackets, Add	62.23	

			Specialties	10
			Interior Specialties	10 20
			Compartments and Cubicles	10 21

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0336	EA	24" x 58" x 1/2", Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screen..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,181.99 -230.53 62.23	89.84
10 21 13 19-0337	EA	30" x 58" x 1/2", Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screen..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,417.10 -281.66 62.23	96.25
10 21 13 19-0338		Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screens (10 21 13 19-0338)		
10 21 13 19-0339	EA	22" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screen <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,453.34 -295.90 62.23	83.42
10 21 13 19-0340	EA	34" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screen <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,910.77 -398.15 62.23	89.84
10 21 13 19-0341	EA	46" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screen <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	2,368.19 -500.41 62.23	96.25
10 21 13 19-0342		Solid Polyester (Corian) Toilet Partition Doors, Panels And Pilasters (10 21 13 19-0307)		
10 21 13 19-0343		Solid Polyester (Corian), Toilet Partition Doors (10 21 13 19-0342)		
10 21 13 19-0344	EA	24" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	1,125.76 -247.11 100.14	25.67
10 21 13 19-0345	EA	26" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	1,202.55 -264.77 100.14	25.67
10 21 13 19-0346	EA	30" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	1,371.38 -302.13 100.14	28.88
10 21 13 19-0347	EA	34" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	1,529.84 -338.57 100.14	28.88
10 21 13 19-0348	EA	36" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	1,598.79 -354.43 100.14	28.88
10 21 13 19-0349		Solid Polyester (Corian), Toilet Partition Panels (10 21 13 19-0342)		
10 21 13 19-0350	EA	6" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	299.31 -51.12 62.23	38.52
10 21 13 19-0351	EA	12" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	528.04 -102.26 62.23	41.73
10 21 13 19-0352	EA	18" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	756.74 -153.38 62.23	44.94
10 21 13 19-0353	EA	24" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	985.47 -204.51 62.23	48.15
10 21 13 19-0354	EA	30" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,214.17 -255.64 62.23	51.36
10 21 13 19-0355	EA	36" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,442.87 -306.76 62.23	54.57
10 21 13 19-0356	EA	42" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,671.60 -357.89 62.23	57.78
10 21 13 19-0357	EA	48" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,900.30 -409.02 62.23	60.99
10 21 13 19-0358	EA	55" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	2,166.06 -468.66 62.23	64.19
10 21 13 19-0359	EA	58" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	2,279.79 -494.23 62.23	65.48
10 21 13 19-0360	EA	60" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	2,357.73 -511.27 62.23	67.40
10 21 13 19-0361	EA	70" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	2,734.63 -596.48 62.23	70.61
10 21 13 19-0362	EA	78" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	3,037.43 -664.65 62.23	73.82
10 21 13 19-0363		72" Long, Solid Polyester (Corian), Toilet Partition Pilasters (10 21 13 19-0342)		
10 21 13 19-0364	EA	Up To 4" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	387.39 -80.24 62.23	19.26

10 Specialties**10 20 Interior Specialties****10 21 Compartments and Cubicles**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

10 21 13 19-0365	EA	5" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	481.03	22.46
		<i>For Solid Color Material (No Particulate), Deduct</i>	-100.30	
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13 19-0366	EA	6" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	574.67	25.67
		<i>For Solid Color Material (No Particulate), Deduct</i>	-120.36	
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13 19-0367	EA	8" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	755.55	28.88
		<i>For Solid Color Material (No Particulate), Deduct</i>	-160.49	
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13 19-0368	EA	10" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	936.40	32.09
		<i>For Solid Color Material (No Particulate), Deduct</i>	-200.61	
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13 19-0369	EA	12" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,117.26	35.31
		<i>For Solid Color Material (No Particulate), Deduct</i>	-240.73	
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13 19-0370	EA	18" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,646.99	38.52
		<i>For Solid Color Material (No Particulate), Deduct</i>	-361.09	
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13 19-0371	EA	22" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	2,002.31	41.73
		<i>For Solid Color Material (No Particulate), Deduct</i>	-441.34	
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13 19-0372	EA	24" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	2,183.16	44.94
		<i>For Solid Color Material (No Particulate), Deduct</i>	-481.46	
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	

10 21 13 19-0373 82" Long, Solid Polyester (Corian), Toilet Partition Pilasters (10 21 13 19-0342)

10 21 13 19-0374	EA	Up To 4" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	435.84	19.26
		<i>For Solid Color Material (No Particulate), Deduct</i>	-91.38	
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13 19-0375	EA	5" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	541.62	22.46
		<i>For Solid Color Material (No Particulate), Deduct</i>	-114.24	
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13 19-0376	EA	6" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	636.01	25.67
		<i>For Solid Color Material (No Particulate), Deduct</i>	-134.47	
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13 19-0377	EA	8" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	867.61	28.88
		<i>For Solid Color Material (No Particulate), Deduct</i>	-186.26	
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13 19-0378	EA	10" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,057.53	32.09
		<i>For Solid Color Material (No Particulate), Deduct</i>	-228.47	
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13 19-0379	EA	12" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,262.61	35.31
		<i>For Solid Color Material (No Particulate), Deduct</i>	-274.16	
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13 19-0380	EA	18" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,865.05	38.52
		<i>For Solid Color Material (No Particulate), Deduct</i>	-411.24	
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13 19-0381	EA	22" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	2,268.82	41.73
		<i>For Solid Color Material (No Particulate), Deduct</i>	-502.64	
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13 19-0382	EA	24" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	2,473.90	44.94
		<i>For Solid Color Material (No Particulate), Deduct</i>	-548.33	
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	

10 21 13 19-0383 96" To 120" Long, Solid Polyester (Corian), Toilet Partition Pilasters (10 21 13 19-0342)

10 21 13 19-0384	EA	Up To 4" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	574.67	25.67
		<i>For Solid Color Material (No Particulate), Deduct</i>	-120.36	
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13 19-0385	EA	5" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	711.93	28.88
		<i>For Solid Color Material (No Particulate), Deduct</i>	-150.45	
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13 19-0386	EA	6" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	849.18	32.09
		<i>For Solid Color Material (No Particulate), Deduct</i>	-180.55	
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13 19-0387	EA	8" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,117.26	35.31
		<i>For Solid Color Material (No Particulate), Deduct</i>	-240.73	
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13 19-0388	EA	10" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,385.33	38.52
		<i>For Solid Color Material (No Particulate), Deduct</i>	-300.91	
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13 19-0389	EA	12" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,653.41	41.73
		<i>For Solid Color Material (No Particulate), Deduct</i>	-361.09	
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13 19-0390	EA	18" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	2,444.82	44.94
		<i>For Solid Color Material (No Particulate), Deduct</i>	-541.64	
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13 19-0391	EA	22" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	2,974.58	48.15
		<i>For Solid Color Material (No Particulate), Deduct</i>	-662.01	
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13 19-0392	EA	24" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	3,242.65	51.36
		<i>For Solid Color Material (No Particulate), Deduct</i>	-722.19	
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	

10 21 13 43 Compartments and Cubicles Common Accessories (10 21 13)**10 21 13 43-0001 Accessories (10 21 13 43)**

			Specialties	10	10
			Interior Specialties	10 20	
			Compartments and Cubicles	10 21	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

10 21 13 43-0002	LF	Extruded Aluminum Headrails For Toilet Partitions And Urinal Screens.....	15.01	2.57
10 21 13 43-0003	LF	Stainless Steel Headrails For Toilet Partitions And Urinal Screens.....	25.59	2.57
10 21 13 43-0004	EA	Replacement Of 1-1/2" x 58" Stainless Steel Wall Posts.....	119.24	
10 21 13 43-0005	EA	Replacement Of 58" Aluminum Wall U Bracket.....	78.74	
10 21 13 43-0006	EA	Replacement Of 58" Aluminum Wall Two Ear Bracket.....	131.03	
10 21 13 43-0007	EA	Replacement Of 54" Stainless Steel Wall U Bracket.....	91.88	
10 21 13 43-0008	EA	Replacement Of 54" Stainless Steel Wall Two Ear Bracket.....	220.00	
10 21 13 43-0009	EA	Replacement Of 54" Plastic Wall Two Ear Bracket, All Colors.....	199.69	
10 21 13 43-0010	EA	Replacement Of 57-1/2" Stainless Steel Hinge.....	152.04	

10 21 16 Shower and Dressing Compartments (10 21)

10 21 16 17 Phenolic-Core Shower and Dressing Compartments (10 21 16)

10 21 16 17-0001 Shower Dividers (10 21 16 17)

10 21 16 17-0002 Solid Phenolic Core Laminated Plastic, Shower Dividers (10 21 16 17-0001)

Note: Cut to height in field. panels 58" high. Posts 1-1/4" square, 304 stainless steel satin finish. 1/2" thick panels.

10 21 16 17-0003	EA	18" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider.....	1,331.57	160.48
		For 66" High Panels, Add	151.59	
10 21 16 17-0004	EA	24" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider.....	1,694.13	173.32
		For 66" High Panels, Add	202.12	
10 21 16 17-0005	EA	36" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider.....	2,213.88	192.58
		For 66" High Panels, Add	274.31	
10 21 16 17-0006	EA	48" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider.....	2,614.92	224.68
		For 66" High Panels, Add	324.84	
10 21 16 17-0007	EA	57" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider.....	3,015.99	256.78
		For 66" High Panels, Add	375.37	

10 21 16 17-0008 Solid Phenolic Core Laminated Plastic, Shower Dividers With Headrail And Curtain Track (10 21 16 17-0001)

Note: Cut to height in field. Panels 58" high. Posts 1-1/4" square, 304 stainless steel satin finish. 1/2" thick panels. Includes 3/4" stiles, 85" from floor to top of headrail. Head rail 4" wide. All stainless steel shoes and stainless steel fittings. Leveling devices are chromate treated double zinc plated steel. Overhead braced designed with concealed curtain tracks and hooks in head rail.

10 21 16 17-0009	EA	18" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track.....	3,291.08	282.07
		For 66" High Panels, Add	465.46	
		For 6" Wide Head Rail, Add	87.45	
		For 8" Wide Head Rail, Add	120.36	
		For 10" Wide Head Rail, Add	147.63	
		For 12" Wide Head Rail, Add	177.72	
		For 18" Wide, 1/2" Thick Bench, Add	141.41	
		For 24" Wide, 1/2" Thick Bench, Add	181.41	
10 21 16 17-0010	EA	24" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track.....	4,091.64	308.00
		For 66" High Panels, Add	582.94	
		For 6" Wide Head Rail, Add	110.43	
		For 8" Wide Head Rail, Add	151.34	
		For 10" Wide Head Rail, Add	186.10	
		For 12" Wide Head Rail, Add	223.94	
		For 18" Wide, 1/2" Thick Bench, Add	146.61	
		For 24" Wide, 1/2" Thick Bench, Add	186.61	
10 21 16 17-0011	EA	36" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track.....	5,200.02	327.51
		For 66" High Panels, Add	747.25	
		For 6" Wide Head Rail, Add	142.90	
		For 8" Wide Head Rail, Add	194.90	
		For 10" Wide Head Rail, Add	240.35	
		For 12" Wide Head Rail, Add	289.08	
		For 18" Wide, 1/2" Thick Bench, Add	150.50	
		For 24" Wide, 1/2" Thick Bench, Add	190.50	
10 21 16 17-0012	EA	48" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track.....	5,545.19	366.41
		For 66" High Panels, Add	795.14	
		For 6" Wide Head Rail, Add	151.70	
		For 8" Wide Head Rail, Add	207.15	
		For 10" Wide Head Rail, Add	255.28	
		For 12" Wide Head Rail, Add	307.06	
		For 18" Wide, 1/2" Thick Bench, Add	158.28	
		For 24" Wide, 1/2" Thick Bench, Add	198.28	
10 21 16 17-0013	EA	57" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track.....	6,357.37	398.25
		For 66" High Panels, Add	913.78	
		For 6" Wide Head Rail, Add	174.79	
		For 8" Wide Head Rail, Add	238.37	
		For 10" Wide Head Rail, Add	293.98	
		For 12" Wide Head Rail, Add	353.57	
		For 18" Wide, 1/2" Thick Bench, Add	164.65	
		For 24" Wide, 1/2" Thick Bench, Add	204.65	

10 22 Partitions (10 20)

10 22 13 Wire Mesh Partitions (10 22)

10 22 13 00-0001 Wall Panels (10 22 13)

Note: Includes steel frame and posts. Posts bolted to floor.

10 22 13 00-0002	SF	Wire Mesh Wall Panel, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts.....	15.32	1.61
		For 5' Wide Panels, Add	0.61	
10 22 13 00-0003	SF	Wire Mesh Wall Panel, 8 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts.....	16.99	1.92
		For 5' Wide Panels, Add	0.66	

10	10	Specialties
	10 20	Interior Specialties
	10 22	Partitions



MINOR				TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST		
10 22 13 00-0004	SF	Wire Mesh Wall Panel, 6 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts <i>For 5' Wide Panels, Add</i>	25.75 1.06		2.24	
10 22 13 00-0005		Ceiling Panels (10 22 13) Note: Includes steel frame.				
10 22 13 00-0006	SF	Wire Mesh Ceiling Panel, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	15.89		1.92	
10 22 13 00-0007	SF	Wire Mesh Ceiling Panel, 8 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	17.57		2.24	
10 22 13 00-0008	SF	Wire Mesh Ceiling Panel, 6 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	19.46		2.57	
10 22 13 00-0009		Sliding Doors (10 22 13) Note: Includes padlocks lugs and/or provisions for cylinder lock.				
10 22 13 00-0010	EA	4' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	1,469.31 152.99 305.99		337.02	
10 22 13 00-0011	EA	4' x 10' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	1,550.70 158.14 316.28		372.32	
10 22 13 00-0012	EA	5' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	1,692.29 176.81 353.62		385.17	
10 22 13 00-0013	EA	5' x 10' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	1,845.46 193.37 386.73		417.26	
10 22 13 00-0014	EA	6' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	1,910.28 197.96 395.91		442.93	
10 22 13 00-0015	EA	6' x 10' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	2,099.12 221.15 442.29		468.62	
10 22 13 00-0016	EA	8' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	2,256.02 237.62 475.24		503.92	
10 22 13 00-0017	EA	8' x 10' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	2,451.90 262.51 525.02		526.39	
10 22 13 00-0018	EA	10' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	2,474.90 263.39 526.78		539.23	
10 22 13 00-0019	EA	10' x 10' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	2,727.79 294.90 589.81		571.32	
10 22 13 00-0020		Swing Doors (10 22 13)				
10 22 13 00-0021		Single Swing Door (10 22 13 00-0020)				
10 22 13 00-0022	EA	3' x 7' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Swing Door, With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	1,002.17 107.53 215.06		199.00	
10 22 13 00-0023	EA	3' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Swing Door, With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	1,077.48 116.69 233.37		224.68	
10 22 13 00-0024	EA	3' x 9' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Swing Door, With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	1,154.38 125.65 251.31		237.51	
10 22 13 00-0025	EA	4' x 7' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Swing Door, With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	1,141.68 119.90 239.79		256.78	
10 22 13 00-0026	EA	4' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Swing Door, With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	1,221.27 129.27 258.54		269.61	
10 22 13 00-0027	EA	4' x 9' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Swing Door, With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	1,276.19 134.94 269.88		282.45	
10 22 13 00-0028		Double Swing Doors (10 22 13 00-0020)				
10 22 13 00-0029	EA	6' x 7' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Double Swing Door, With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	1,582.77 173.22 346.45		320.97	

Specialties		10
Interior Specialties		10 20
Partitions		10 22

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 22 13 00-0030	EA		6' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Double Swing Door, With Cylinder Lock.....	1,711.97	340.23
			For 8 Gauge, Add	188.75	
			For 6 Gauge, Add	377.50	
10 22 13 00-0031	EA		6' x 9' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Double Swing Door, With Cylinder Lock.....	1,841.14	359.48
			For 8 Gauge, Add	204.27	
			For 6 Gauge, Add	408.55	
10 22 13 00-0032	EA		8 x 7' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Double Swing Door, With Cylinder Lock.....	1,976.18	385.17
			For 8 Gauge, Add	219.40	
			For 6 Gauge, Add	438.79	
10 22 13 00-0033	EA		8 x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Double Swing Door, With Cylinder Lock.....	2,160.91	404.42
			For 8 Gauge, Add	243.25	
			For 6 Gauge, Add	486.51	
10 22 13 00-0034	EA		8 x 9' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Double Swing Door, With Cylinder Lock.....	2,343.53	423.68
			For 8 Gauge, Add	266.79	
			For 6 Gauge, Add	533.59	
10 22 13 00-0035			Dutch Doors (10 22 13) Note: Includes padlocks lugs and/or provisions for cylinder lock.		
10 22 13 00-0036	EA		3' x 7' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Dutch Door, With Cylinder Lock.....	1,347.79	199.00
			For 8 Gauge, Add	159.37	
			For 6 Gauge, Add	318.75	
10 22 13 00-0037	EA		3' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Dutch Door, With Cylinder Lock.....	1,429.26	224.68
			For 8 Gauge, Add	169.45	
			For 6 Gauge, Add	338.91	
10 22 13 00-0038	EA		3' x 9' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Dutch Door, With Cylinder Lock.....	1,471.98	237.51
			For 8 Gauge, Add	173.29	
			For 6 Gauge, Add	346.59	
10 22 13 00-0039	EA		3' x 10' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Dutch Door, With Cylinder Lock.....	1,553.20	269.61
			For 8 Gauge, Add	179.06	
			For 6 Gauge, Add	358.11	
10 22 13 00-0040	EA		4' x 7' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Dutch Door, With Cylinder Lock.....	1,492.30	256.78
			For 8 Gauge, Add	172.49	
			For 6 Gauge, Add	344.98	
10 22 13 00-0041	EA		4' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Dutch Door, With Cylinder Lock.....	1,582.88	269.61
			For 8 Gauge, Add	183.51	
			For 6 Gauge, Add	367.02	
10 22 19			Demountable Partitions (10 22)		
10 22 19 13			Demountable Metal Partitions (10 22 19)		
10 22 19 13-0001	LF		9' High Demountable Partition, 1.75 System, Aluminum Framed, Vinyl Clad Hardboard, Paper Honeycomb Core, 1.75"/2.5" Thick	178.24	20.41
			For >9, Add 22.28		
10 22 19 13-0002	LF		7' High Demountable Partition, 1.75 System, Aluminum Framed, Vinyl Clad Hardboard, Paper Honeycomb Core, 1.75"/2.5" Thick	156.35	16.25
			For >9, Add 19.54		
10 22 19 13-0003	LF		5' High Demountable Partition, 1.75 System, Aluminum Framed, Vinyl Clad Hardboard, Paper Honeycomb Core, 1.75"/2.5" Thick	134.47	12.22
			For >9, Add 16.81		
10 22 19 13-0004	LF		9' High Demountable Partition, Moveable Steel Wall, Mod System, Unitized Panel, 48" Wide, Backed Enamel.....	213.18	16.25
			For >9, Add 26.65		
10 22 19 13-0005	LF		9' High Demountable Partition, Moveable Steel Wall, Mod System, Unitized Panels, 48" Wide, Fabric.....	311.63	17.48
			For >9, Add 38.95		
10 22 19 43			Demountable Composite Partitions (10 22 19)		
10 22 19 43-0001	LF		Demountable Partition, Mineral Fiber System, Unitized Panel, 9' High, 2-1/4" Thick, Aluminum Frame, Vinyl Clad	274.38	20.41
			For >9, Add 34.30		
10 22 19 43-0002	LF		Demountable Partition, Mineral Fiber System, Unitized Panel, 9' High, 2-1/4" Thick, Aluminum Frame, Fabric Clad	343.40	22.24
			For >9, Add 42.93		
10 22 19 43-0003	SF		Partition, Trackless Wall, Cork Finish, Semi-Acoustic, 1-5/8" Thick	57.54	3.05
			For Acoustical Partitions, Add	5.15	
10 22 19 43-0004	SF		Partition, Trackless Wall, Cork Finish, Semi-Acoustic, 1-5/8" Thick	72.10	5.13
			For Acoustical Partitions, Add	6.18	
10 22 19 43-0005	SF		Partition, Trackless Wall, Cork Finish, Acoustic, 2" Thick	61.37	3.18
			For Acoustical Partitions, Add	5.50	
10 22 19 43-0006	SF		Partition, Trackless Wall, Cork Finish, Acoustic, 2" Thick	87.75	4.40
			For Acoustical Partitions, Add	7.91	
10 22 19 53			Demountable Gypsum Partitions (10 22 19)		
10 22 19 53-0001			Demountable Gypsum Partitions (10 22 19 53)		
10 22 19 53-0002	LF		9' High Demountable Partition Gypsum System, 2" To 2.5" Steel Standard, 3" To 3-3/4" Thick, Vinyl Clad	124.14	20.41
			For >9, Add 15.52		

10	10	Specialties
	10 20	Interior Specialties
	10 22	Partitions



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 22 19 53-0003	LF	9'	High Demountable Partition Gypsum System, 2" To 2.5" Steel Standard, 3" To 3-3/4" Thick, Fabric Clad <i>For >9, Add 26.68</i>	213.41	22.24
10 22 19 53-0004	LF	9'	High Demountable Partition Gypsum System, 2" To 2.5", Steel Standard, 3" To 3-3/4" Thick, Steel Clad <i>For >9, Add 28.69</i>	229.53	24.45
10 22 19 53-0005	LF	9'	High Demountable Partition Gypsum System, Unitized Panel, 2" To 2-1/2" Thick, Vinyl Clad..... <i>For >9, Add 27.85</i>	222.83	20.41
10 22 19 53-0006	LF	9'	High Demountable Partition Gypsum System, Unitized Panel, 2" To 2-1/2" Thick, Fabric Clad..... <i>For >9, Add 46.36</i>	370.88	22.24

10 22 23 **Portable Partitions, Screens, and Panels** (10 22)

Note: Includes standard units, standard height glass and glazing. For 25 percent and 50 percent glass 1/4" plate glass is used.
For 100 percent glass 1/4" tempered plate is used.

10 22 23 23 **Movable Panel Systems** (10 22 23)

10 22 23 23-0001 **Portable Partitions** (10 22 23 23)

10 22 23 23-0002	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 3'-0" Long, 4' High	346.03	9.78
10 22 23 23-0003	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 3'-0" Long, 5' High	368.82	10.87
10 22 23 23-0004	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 3'-0" Long, 6' High	438.47	13.08
10 22 23 23-0005	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 5'-0" Long, 4' High	255.18	5.62
10 22 23 23-0006	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 5'-0" Long, 5' High	270.78	6.47
10 22 23 23-0007	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 5'-0" Long, 6' High	304.32	7.82
10 22 23 23-0008	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 6'-0" Long, 5' High	259.50	5.99
10 22 23 23-0009	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Curved, 3'-0" Long, 5' High	461.61	10.87
10 22 23 23-0010	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Curved, 3'-0" Long, 6' High	507.20	13.08
10 22 23 23-0011	LF	Partitions, Portable, Economical Panels, Fabric Face, 4'-0" Long, 5' High	269.12	7.45
10 22 23 23-0012	LF	Partitions, Portable, Economical Panels, Fabric Face, 4'-0" Long, 6' High	306.13	8.68
10 22 23 23-0013	LF	Partitions, Portable, Economical Panels, Fabric Face, 5'-0" Long, 5' High	246.73	6.47
10 22 23 23-0014	LF	Partitions, Portable, Economical Panels, Fabric Face, 5'-0" Long, 6' High	276.83	7.82
10 22 23 23-0015	LF	Partitions, Portable, Economical Panels, Fabric Face, 3'-0" Curved, 5' High.....	410.06	10.87
10 22 23 23-0016	LF	Partitions, Portable, Economical Panels, Fabric Face, 3'-0" Curved, 6' High.....	462.53	13.08
10 22 23 23-0017	LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 3'-0" Long, 5' High	416.94	10.87
10 22 23 23-0018	LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 3'-0" Long, 6' High	507.20	13.08
10 22 23 23-0019	LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 5'-0" Long, 5' High	322.33	6.47
10 22 23 23-0020	LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 5'-0" Long, 6' High	362.74	7.82
10 22 23 23-0021	LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 6'-0" Long, 5' High	340.26	5.99
10 22 23 23-0022	LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 6'-0" Long, 6' High	405.94	7.09
10 22 23 23-0023	LF	Partitions, Portable, Economical Acoustic Panels, 40 NRC, 4'-0" Long, 5' High	196.95	7.45
10 22 23 23-0024	LF	Partitions, Portable, Economical Acoustic Panels, 40 NRC, 4'-0" Long, 6' High	232.25	8.68
10 22 23 23-0025	LF	Partitions, Portable, Economical Acoustic Panels, 40 NRC, 5'-0" Long, 6' High	209.82	7.82
10 22 23 23-0026	LF	Partitions, Portable, Economical Acoustic Panels, 40 NRC, 6'-0" Long, 5' High	152.97	5.99
10 22 23 23-0027	LF	Partitions, Portable, Metal Chalkboard, 6'-6" High, 1 Side	249.34	7.82
10 22 23 23-0028	LF	Partitions, Portable, Metal Chalkboard, 2 Sides.....	284.34	8.19
10 22 23 23-0029	LF	Partitions, Portable, Tackboard, Both Sides	228.97	7.94

10 22 23 23-0030 **Adjustable Barrier Panel System (Edge Guard)** (10 22 23 23)

Note: Panels are opal or transparent. Includes self-leveling floor channel, 1/4" foam gasket to conform to ceiling, edge gaskets, grid clips, and cam locks.

10 22 23 23-0031	EA	4' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4000).....	693.05	
10 22 23 23-0032	EA	3' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4001).....	658.38	
10 22 23 23-0033	EA	2' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4002).....	519.72	
10 22 23 23-0034	EA	2' Wide x 7'-8" To 10' High With High Efficiency Particulate Air (HEPA) Filtered Air Discharge Port, Fire Rated Containment Panel Assembly (Edge Guard 4002.1)	600.61	
10 22 23 23-0035	EA	4' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 44" Door (Edge Guard 4003).....	1,172.58	
10 22 23 23-0036	EA	7'-8" To 10' High, Hinged Corner Assembly (Edge Guard 4004)	239.44	
10 22 23 23-0037	EA	6" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4005)	317.64	
10 22 23 23-0038	EA	12" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4006)	340.75	
10 22 23 23-0039	EA	7'-8" To 10' High, Outside Corner Post (Edge Guard 4007).....	198.99	
10 22 23 23-0040	EA	4'-4" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 48" Door (Edge Guard 4008)	1,403.68	
		Note: Includes a hydraulic closer and a lever style lockset standard.		
10 22 23 23-0041	EA	7'-8" To 10' High, "T" Post Corner Assembly (Edge Guard 4009).....	198.99	
10 22 23 23-0042	EA	3' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 32" Door (Edge Guard 4010).....	1,057.03	
		Note: Includes a hydraulic closer and a lever style lockset standard.		
10 22 23 23-0043	EA	Closure Strips (Edge Guard 3003).....	14.89	
		Note: To seal panels to existing walls		
10 22 23 23-0044	EA	Digital Differential Pressure Gauge Kit (Edge Guard 3005).....	324.18	

10 22 33 **Accordion Folding Partitions** (10 22)

10 22 33 00-0001 **Accordion Doors/Partitions** (10 22 33)

Note: Includes top support track and assembled panels.

10 22 33 00-0002	SF	15 STC Rating, Accordion Door/Partition With Standard Vinyl Finish.....	94.43	6.05
		<i>For <135, Add</i>	18.89	
10 22 33 00-0003	SF	20 STC Rating, Accordion Door/Partition With Standard Vinyl Finish.....	95.90	6.26
		<i>For <135, Add</i>	19.18	
10 22 33 00-0004	SF	31 STC Rating, Accordion Door/Partition With Standard Vinyl Finish.....	100.42	6.45
		<i>For <135, Add</i>	20.08	
10 22 33 00-0005	SF	35 STC Rating, Accordion Door/Partition With Standard Vinyl Finish.....	106.53	6.67
		<i>For <135, Add</i>	21.31	
10 22 33 00-0006	SF	39 STC Rating, Accordion Door/Partition With Standard Vinyl Finish.....	108.40	6.86
		<i>For <135, Add</i>	21.68	
10 22 33 00-0007	SF	40 STC Rating, Accordion Door/Partition With Standard Vinyl Finish.....	109.73	7.07
		<i>For <135, Add</i>	21.95	
10 22 33 00-0008	SF	41 STC Rating, Accordion Door/Partition With Standard Vinyl Finish.....	111.02	7.26
		<i>For <135, Add</i>	22.20	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST

10 22 33 00-0009	SF	44	STC Rating, Accordion Door/Partition With Standard Vinyl Finish.....	112.67	7.66
			For <135, Add	22.53	
10 22 33 00-0010	SF		Accordion Partition (Soundmaster Model 8M)	58.03	9.78
10 22 33 00-0011	SF	47	STC Rating, Accordion Door/Partition With Standard Vinyl Finish.....	119.38	7.66
			For <135, Add	23.88	
10 22 33 00-0012	SF	50	STC Rating, Accordion Door/Partition With Standard Vinyl Finish.....	126.09	7.66
			For <135, Add	25.22	

10 22 43 Sliding Partitions (10 22)

10 22 43 00-0001 Operable Wall (10 22 43)

Note: Includes top support track, assembled panel and frames.					
10 22 43 00-0002	SF	Up To 720 SF, Up To 12' Height Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom			
		Sweep Seals, 47 STC Rating	252.07	24.06	
		Note: Includes pocket door, two ADA pass doors, track and hardware.			
		For 43 STC, Deduct	-11.62		
		For 49 STC, Add	14.75		
		For 52 STC, Add	22.35		
10 22 43 00-0003	SF	>720 To 1,200 SF, Up To 12 High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom			
		Sweep Seals, 47 STC Rating	233.52	19.38	
		Note: Includes pocket door, two ADA pass doors, track and hardware.			
		For 43 STC, Deduct	-11.37		
		For 49 STC, Add	14.43		
		For 52 STC, Add	21.87		
10 22 43 00-0004	SF	>1,200 SF, Up To 12' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep			
		Seals, 47 STC Rating	219.92	16.09	
		Note: Includes pocket door, two ADA pass doors, track and hardware.			
		For 43 STC, Deduct	-11.13		
		For 49 STC, Add	14.13		
		For 52 STC, Add	21.41		
10 22 43 00-0005	SF	Up To 1,080 SF, >12' To 18' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom			
		Sweep Seals, 47 STC Rating	214.07	16.91	
		Note: Includes pocket door, two ADA pass doors, track and hardware.			
		For 43 STC, Deduct	-10.58		
		For 49 STC, Add	13.43		
		For 52 STC, Add	20.35		
10 22 43 00-0006	SF	>1,080 To 1,800 SF, >12' To 18' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom			
		Sweep Seals, 47 STC Rating	200.00	13.75	
		Note: Includes pocket door, two ADA pass doors, track and hardware.			
		For 43 STC, Deduct	-10.28		
		For 49 STC, Add	13.05		
		For 52 STC, Add	19.78		
10 22 43 00-0007	SF	>1,800 SF, >12' To 18' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep			
		Seals, 47 STC Rating	191.77	12.37	
		Note: Includes pocket door, two ADA pass doors, track and hardware.			
		For 43 STC, Deduct	-10.03		
		For 49 STC, Add	12.74		
		For 52 STC, Add	19.30		
10 22 43 00-0008	SF	Up To 1,440 SF, >18' To 22'-3" High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom			
		Sweep Seals, 47 STC Rating	189.76	13.34	
		Note: Includes pocket door, two ADA pass doors, track and hardware.			
		For 43 STC, Deduct	-9.72		
		For 49 STC, Add	12.33		
		For 52 STC, Add	18.69		
10 22 43 00-0009	SF	>1,440 To 2,400 SF, >18' To 22'-3" High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep			
		Seals, 47 STC Rating	179.14	11.41	
		Note: Includes pocket door, two ADA pass doors, track and hardware.			
		For 43 STC, Deduct	-9.41		
		For 49 STC, Add	11.94		
		For 52 STC, Add	18.10		
10 22 43 00-0010	SF	>2,400 SF, >18' To 22'-3" High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep			
		Seals, 47 STC Rating	171.86	10.17	
		Note: Includes pocket door, two ADA pass doors, track and hardware.			
		For 43 STC, Deduct	-9.17		
		For 49 STC, Add	11.64		
		For 52 STC, Add	17.63		
10 22 43 00-0011	SF	Up To 160 SF, 10' Height Paired Panel Manual Operable Wall, Vinyl Finish, Top Sweep Seals And Mechanical			
		Bottom Seals, 47 STC Rating	197.32	16.09	
		Note: Includes pocket door, track and hardware.			
		For 44 STC, Deduct	-9.64		
		For 49 STC, Add	12.24		
		For 52 STC, Add	18.55		
10 22 43 00-0012	SF	>160 To 240 SF, 10' Height Paired Panel Manual Operable Wall, Vinyl Finish, Top Sweep Seals And Mechanical			
		Bottom Seals, 47 STC Rating	181.54	12.24	
		Note: Includes pocket door, track and hardware.			
		For 44 STC, Deduct	-9.39		
		For 49 STC, Add	11.91		
		For 52 STC, Add	18.05		
10 22 43 00-0013	SF	>240 SF, 10' Height Paired Panel Manual Operable Wall, Vinyl Finish, Top Sweep Seals And Mechanical Bottom			
		Seals, 47 STC Rating	172.44	10.32	
		Note: Includes pocket door, track and hardware.			
		For 44 STC, Deduct	-9.17		
		For 49 STC, Add	11.64		
		For 52 STC, Add	17.64		
10 22 43 00-0014	SF	Partitions, Operable Acoustical Single Or Paired Panel (Modernfold Acousti-Seal® 932S/931S).....	109.46	16.13	

10 26 Wall and Door Protection (10 20)

10	10	Specialties
	10 20	Interior Specialties
	10 26	Wall and Door Protection

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 26 13 Corner Guards (10 26)

10 26 13 00-0001			Vinyl Corner Guards (10 26 13)		
10 26 13 00-0002			Rigid Vinyl Corner Guards (10 26 13 00-0001)		
10 26 13 00-0003			Surface Mounted, Rigid Vinyl Corner Guards (10 26 13 00-0002)		
10 26 13 00-0004			90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards (10 26 13 00-0003)		
10 26 13 00-0005	LF		3/4" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-34)	8.61	3.85
			For >50 To 100, Deduct	-1.61	
			For >100 To 200, Deduct	-2.25	
			For >200, Deduct	-3.00	
10 26 13 00-0006	LF		1-1/2" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-12)	9.14	3.85
			For >50 To 100, Deduct	-1.61	
			For >100 To 200, Deduct	-2.25	
			For >200, Deduct	-3.03	
10 26 13 00-0007	LF		3" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-13)	12.09	3.85
			For >50 To 100, Deduct	-1.61	
			For >100 To 200, Deduct	-2.25	
			For >200, Deduct	-3.17	
10 26 13 00-0008	LF		4" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-14)	15.78	3.85
			For >50 To 100, Deduct	-1.61	
			For >100 To 200, Deduct	-2.25	
			For >200, Deduct	-3.36	

10 26 13 00-0009 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards (10 26 13 00-0003)

10 26 13 00-0010	LF		1-1/2" Wing, 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-1245)	15.11	3.85
			For >50 To 100, Deduct	-1.61	
			For >100 To 200, Deduct	-2.25	
			For >200, Deduct	-3.32	

10 26 13 00-0011 Rigid Vinyl Corner Guards With Aluminum Retainers (10 26 13 00-0001)

Note: Includes closure caps.

10 26 13 00-0012 Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers (10 26 13 00-0011)

10 26 13 00-0013 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers (10 26 13 00-0012)

10 26 13 00-0014	LF		2" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-20)	15.63	5.77
			For >50 To 100, Deduct	-2.41	
			For >100 To 200, Deduct	-3.37	
			For >200, Deduct	-4.63	
			For Recycled Vinyl Retainer, Deduct	-1.20	
10 26 13 00-0015	LF		3" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-10)	17.27	5.77
			For >50 To 100, Deduct	-2.41	
			For >100 To 200, Deduct	-3.37	
			For >200, Deduct	-4.71	
			For Recycled Vinyl Retainer, Deduct	-1.53	
10 26 13 00-0016	LF		Bullnose 3" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-30)	18.91	5.77
			For >50 To 100, Deduct	-2.41	
			For >100 To 200, Deduct	-3.37	
			For >200, Deduct	-4.79	
			For Recycled Vinyl Retainer, Deduct	-1.86	

10 26 13 00-0017 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers (10 26 13 00-0012)

10 26 13 00-0018	LF		3" Wing, 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-135)	21.98	5.77
			For >50 To 100, Deduct	-2.41	
			For >100 To 200, Deduct	-3.37	
			For >200, Deduct	-4.95	
			For Recycled Vinyl Retainer, Deduct	-2.47	

10 26 13 00-0019 End Wall Protector, Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers (10 26 13 00-0012)

Note: Includes two rigid vinyl corner guards with aluminum retainers and a vinyl wall covering filler strip inserted between guards.

10 26 13 00-0020	LF		2" Wing, End Wall Protector, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-11)	31.08	7.70
			For >50 To 100, Deduct	-3.21	
			For >100 To 200, Deduct	-4.49	
			For >200, Deduct	-6.69	
			For Recycled Vinyl Retainer, Deduct	-3.65	

10 26 13 00-0021 Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers (10 26 13 00-0011)

10 26 13 00-0022 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers (10 26 13 00-0021)

		Specialties	10
		Interior Specialties	10 20
		Wall and Door Protection	10 26

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0023	LF	2" Wing, 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-72)	20.35	5.77
		For >50 To 100, Deduct	-2.41	
		For >100 To 200, Deduct	-3.37	
		For >200, Deduct	-4.87	
		For Up To 2 HR Fire Rated, Add	7.51	
10 26 13 00-0024	LF	3" Wing, 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-7)	24.24	5.77
		For >50 To 100, Deduct	-2.41	
		For >100 To 200, Deduct	-3.37	
		For >200, Deduct	-5.06	
		For Up To 2 HR Fire Rated, Add	10.23	
10 26 13 00-0025	LF	Bullnose 3" Wing, 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-32).....	22.57	5.77
		For >50 To 100, Deduct	-2.41	
		For >100 To 200, Deduct	-3.37	
		For >200, Deduct	-4.98	
		For Up To 2 HR Fire Rated, Add	9.07	
10 26 13 00-0026		135 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers (10 26 13 00-0021)		
10 26 13 00-0027	LF	3" Wing, 135 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-75)	25.90	5.77
		For >50 To 100, Deduct	-2.41	
		For >100 To 200, Deduct	-3.37	
		For >200, Deduct	-5.14	
		For Up To 2 HR Fire Rated, Add	11.40	
10 26 13 00-0028		End Wall Protector, Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers (10 26 13 00-0021)		
		Note: Includes two rigid vinyl corner guards with aluminum retainers and a vinyl wall covering filler strip inserted between guards.		
10 26 13 00-0029	LF	2" Wing, End Wall Protector, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-888)	53.19	7.70
		For >50 To 100, Deduct	-3.21	
		For >100 To 200, Deduct	-4.49	
		For >200, Deduct	-7.79	
		For Up To 2 HR Fire Rated, Add	28.25	
10 26 13 00-0030		Flexible Vinyl Corner Guards (10 26 13 00-0001)		
		Note: Includes adhesive for installation.		
10 26 13 00-0031		Surface Mounted, Flexible Vinyl Corner Guards (10 26 13 00-0030)		
10 26 13 00-0032		90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guards (10 26 13 00-0031)		
10 26 13 00-0033	LF	1-3/4" Wing, 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guard (Pawling CG-9)	11.48	3.85
		For >50 To 100, Deduct	-1.61	
		For >100 To 200, Deduct	-2.25	
		For >200, Deduct	-3.14	
		For Bolting To Concrete Or Masonry, Add	2.69	
10 26 13 00-0034	LF	2-1/2" Wing, 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guard (Pawling CG-3)	14.41	3.85
		For >50 To 100, Deduct	-1.61	
		For >100 To 200, Deduct	-2.25	
		For >200, Deduct	-3.29	
		For Bolting To Concrete Or Masonry, Add	3.12	
10 26 13 00-0035	LF	4" Wing, 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guard (Pawling CG-15)	16.78	3.85
		For >50 To 100, Deduct	-1.61	
		For >100 To 200, Deduct	-2.25	
		For >200, Deduct	-3.41	
		For Bolting To Concrete Or Masonry, Add	3.48	
10 26 13 00-0036		Polycarbonate Corner Guards (10 26 13)		
10 26 13 00-0037		Surface Mounted, Polycarbonate Corner Guards (10 26 13 00-0036)		
10 26 13 00-0038		90 Degree Angle, Surface Mounted, Polycarbonate Corner Guards (10 26 13 00-0037)		
10 26 13 00-0039	LF	3/4" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-16)	7.95	3.85
		For >50 To 100, Deduct	-1.61	
		For >100 To 200, Deduct	-2.25	
		For >200, Deduct	-2.97	
10 26 13 00-0040	LF	1-1/8" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-17)	9.38	3.85
		For >50 To 100, Deduct	-1.61	
		For >100 To 200, Deduct	-2.25	
		For >200, Deduct	-3.04	
10 26 13 00-0041	LF	2" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-24)	11.05	3.85
		For >50 To 100, Deduct	-1.61	
		For >100 To 200, Deduct	-2.25	
		For >200, Deduct	-3.12	
10 26 13 00-0042	LF	2-1/2" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-18)	12.06	3.85
		For >50 To 100, Deduct	-1.61	
		For >100 To 200, Deduct	-2.25	
		For >200, Deduct	-3.17	
10 26 13 00-0043	LF	Bullnose 2-1/2" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-23)	11.69	3.85
		For >50 To 100, Deduct	-1.61	
		For >100 To 200, Deduct	-2.25	
		For >200, Deduct	-3.15	

10	10	Specialties
	10 20	Interior Specialties
	10 26	Wall and Door Protection



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
10 26 13 00-0044	135 Degree Angle, Surface Mounted, Polycarbonate Corner Guards (10 26 13 00-0037)			
10 26 13 00-0045	LF 2-1/2" Wing, 135 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-19)	12.06		3.85
	For >50 To 100, Deduct	-1.61		
	For >100 To 200, Deduct	-2.25		
	For >200, Deduct	-3.17		
10 26 13 00-0046	Aluminum Corner Guards (10 26 13)			
10 26 13 00-0047	Surface Mounted, Aluminum Corner Guards (10 26 13 00-0046)			
10 26 13 00-0048	90 Degree Angle, Surface Mounted, Aluminum Corner Guards (10 26 13 00-0047)			
10 26 13 00-0049	LF 1" Wing, 90 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-400)	10.86		3.85
	For >50 To 100, Deduct	-1.61		
	For >100 To 200, Deduct	-2.25		
	For >200, Deduct	-3.11		
10 26 13 00-0050	LF 2" Wing, 90 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-401)	12.79		3.85
	For >50 To 100, Deduct	-1.61		
	For >100 To 200, Deduct	-2.25		
	For >200, Deduct	-3.21		
10 26 13 00-0051	LF 3" Wing, 90 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-402)	13.99		3.85
	For >50 To 100, Deduct	-1.61		
	For >100 To 200, Deduct	-2.25		
	For >200, Deduct	-3.27		
10 26 13 00-0052	135 Degree Angle, Surface Mounted, Aluminum Corner Guards (10 26 13 00-0047)			
10 26 13 00-0053	LF 1" Wing, 135 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-403)	10.86		3.85
	For >50 To 100, Deduct	-1.61		
	For >100 To 200, Deduct	-2.25		
	For >200, Deduct	-3.11		
10 26 13 00-0054	LF 2" Wing, 135 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-404)	12.79		3.85
	For >50 To 100, Deduct	-1.61		
	For >100 To 200, Deduct	-2.25		
	For >200, Deduct	-3.21		
10 26 13 00-0055	LF 3" Wing, 135 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-405)	13.99		3.85
	For >50 To 100, Deduct	-1.61		
	For >100 To 200, Deduct	-2.25		
	For >200, Deduct	-3.27		
10 26 13 00-0056	Steel Corner Guards (10 26 13)			
10 26 13 00-0057	Steel Angle Iron, Corner Guards (10 26 13 00-0056)			
10 26 13 00-0058	Surface Mounted, Steel Angle Iron, Corner Guards (10 26 13 00-0057)			
10 26 13 00-0059	90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guards (10 26 13 00-0058)			
10 26 13 00-0060	LF 1" x 1" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	13.97		4.62
	For Galvanizing, Add	2.19		
	For >50 To 100, Deduct	-1.93		
	For >100 To 200, Deduct	-2.70		
	For >200, Deduct	-3.78		
10 26 13 00-0061	LF 2" x 2" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	17.50		5.01
	For Galvanizing, Add	3.20		
	For >50 To 100, Deduct	-2.09		
	For >100 To 200, Deduct	-2.92		
	For >200, Deduct	-4.22		
10 26 13 00-0062	LF 2" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	18.56		5.20
	For Galvanizing, Add	3.47		
	For >50 To 100, Deduct	-2.17		
	For >100 To 200, Deduct	-3.03		
	For >200, Deduct	-4.39		
10 26 13 00-0063	LF 3" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	19.00		5.39
	For Galvanizing, Add	3.51		
	For >50 To 100, Deduct	-2.25		
	For >100 To 200, Deduct	-3.14		
	For >200, Deduct	-4.54		
10 26 13 00-0064	LF 3" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	23.31		5.58
	For Galvanizing, Add	4.90		
	For >50 To 100, Deduct	-2.33		
	For >100 To 200, Deduct	-3.26		
	For >200, Deduct	-4.89		
10 26 13 00-0065	LF 4" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	27.65		5.77
	For Galvanizing, Add	6.31		
	For >50 To 100, Deduct	-2.41		
	For >100 To 200, Deduct	-3.37		
	For >200, Deduct	-5.23		
10 26 13 00-0066	LF 6" x 6" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	46.46		7.70
	For Galvanizing, Add	11.77		
	For >50 To 100, Deduct	-3.21		
	For >100 To 200, Deduct	-4.49		
	For >200, Deduct	-7.46		
10 26 13 00-0067	Stainless Steel Corner Guards (10 26 13)			
10 26 13 00-0068	Stainless Steel Corner Guards (10 26 13 00-0067)			
	Note: Includes 16 gauge, type 304 stainless steel corner guards with #4 satin finish.			

Specialties			10
Interior Specialties			10 20
Wall and Door Protection			10 26
MINOR	CSI	UOM	DESCRIPTION
			TOTAL DIRECT UNIT COST
			DEMOLITION UNIT COST

10 26 13 00-0069	Surface Mounted, Stainless Steel Corner Guards (10 26 13 00-0068)				
10 26 13 00-0070	90 Degree Angle, Surface Mounted, Stainless Steel Corner Guards (10 26 13 00-0069)				
10 26 13 00-0071	LF	1" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-520)	11.96	3.85	
		For >50 To 100, Deduct	-1.61		
		For >100 To 200, Deduct	-2.25		
		For >200, Deduct	-3.17		
10 26 13 00-0072	LF	2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-510)	13.66	3.85	
		For >50 To 100, Deduct	-1.61		
		For >100 To 200, Deduct	-2.25		
		For >200, Deduct	-3.25		
10 26 13 00-0073	LF	3-1/2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-500)	18.09	3.85	
		For >50 To 100, Deduct	-1.61		
		For >100 To 200, Deduct	-2.25		
		For >200, Deduct	-3.47		
10 26 13 00-0074	LF	Bullnose 3-1/2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-550)	18.09	3.85	
		For >50 To 100, Deduct	-1.61		
		For >100 To 200, Deduct	-2.25		
		For >200, Deduct	-3.47		
10 26 13 00-0075	135 Degree Angle, Surface Mounted, Stainless Steel Corner Guards (10 26 13 00-0069)				
10 26 13 00-0076	LF	3-1/2" Wing, 135 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-600)	18.09	3.85	
		For >50 To 100, Deduct	-1.61		
		For >100 To 200, Deduct	-2.25		
		For >200, Deduct	-3.47		
10 26 13 00-0077	LF	Bullnose 3-1/2" Wing, 135 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-650)	18.09	3.85	
		For >50 To 100, Deduct	-1.61		
		For >100 To 200, Deduct	-2.25		
		For >200, Deduct	-3.47		
10 26 13 00-0078	Stainless Steel Angle Iron, Corner Guards (10 26 13 00-0067)				
10 26 13 00-0079	Surface Mounted, Stainless Steel Angle Iron, Corner Guards (10 26 13 00-0078)				
10 26 13 00-0080	90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guards (10 26 13 00-0079)				
10 26 13 00-0081	LF	1" x 1" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard	22.18	4.62	
		For >50 To 100, Deduct	-1.93		
		For >100 To 200, Deduct	-2.70		
		For >200, Deduct	-4.19		
10 26 13 00-0082	LF	2" x 2" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard	35.80	5.01	
		For >50 To 100, Deduct	-2.09		
		For >100 To 200, Deduct	-2.92		
		For >200, Deduct	-5.13		
10 26 13 00-0083	LF	2" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard	49.32	5.20	
		For >50 To 100, Deduct	-2.17		
		For >100 To 200, Deduct	-3.03		
		For >200, Deduct	-5.93		
10 26 13 00-0084	LF	3" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard	46.26	5.39	
		For >50 To 100, Deduct	-2.25		
		For >100 To 200, Deduct	-3.14		
		For >200, Deduct	-5.91		
10 26 13 00-0085	LF	3" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard	65.27	5.58	
		For >50 To 100, Deduct	-2.33		
		For >100 To 200, Deduct	-3.26		
		For >200, Deduct	-6.98		
10 26 13 00-0086	LF	4" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard	60.54	5.77	
		For >50 To 100, Deduct	-2.41		
		For >100 To 200, Deduct	-3.37		
		For >200, Deduct	-6.88		
10 26 13 00-0087	Rubber Corner Guards (10 26 13)				
	Note: Includes adhesive for installation.				
10 26 13 00-0088	Natural Rubber Corner Guards (10 26 13 00-0087)				
10 26 13 00-0089	Surface Mounted, Natural Rubber Corner Guards (10 26 13 00-0088)				
10 26 13 00-0090	90 Degree Angle, Surface Mounted, Natural Rubber Corner Guards (10 26 13 00-0089)				
10 26 13 00-0091	LF	4-3/4" Wing, 90 Degree Angle, Surface Mounted, Natural Rubber Corner Guard (Pawling CG-5)	50.26	3.85	
		For >50 To 100, Deduct	-1.61		
		For >100 To 200, Deduct	-2.25		
		For >200, Deduct	-5.08		
		For Bolting To Concrete Or Masonry, Add	8.50		
10 26 13 00-0092	Styrene-Butadiene Rubber (SBR) Corner Guards (10 26 13 00-0087)				
10 26 13 00-0093	Surface Mounted, Styrene-Butadiene Rubber (SBR) Corner Guards (10 26 13 00-0092)				
10 26 13 00-0094	90 Degree Angle, Surface Mounted, Styrene-Butadiene Rubber (SBR) Corner Guards (10 26 13 00-0093)				

10	10	Specialties
	10 20	Interior Specialties
	10 26	Wall and Door Protection



		MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0095	LF	4-5/8" Wing, 90 Degree Angle, Surface Mounted, Styrene-Butadiene Rubber (SBR) Corner Guard (Pawling CG-2)			.....	23.26	3.85
		For >50 To 100, Deduct				-1.61	
		For >100 To 200, Deduct				-2.25	
		For >200, Deduct				-3.73	
		For Bolting To Concrete Or Masonry, Add				4.45	
10 26 13 00-0096		Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guards	(10 26 13 00-0087)				
10 26 13 00-0097		Surface Mounted, Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guards	(10 26 13 00-0096)				
10 26 13 00-0098		90 Degree Angle, Surface Mounted, Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guards	(10 26 13 00-0097)				
10 26 13 00-0099	LF	4-5/8" Wing, 90 Degree Angle, Surface Mounted, Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guard (Pawling CG-2E)			.....	20.56	3.85
		For >50 To 100, Deduct				-1.61	
		For >100 To 200, Deduct				-2.25	
		For >200, Deduct				-3.60	
		For Bolting To Concrete Or Masonry, Add				4.05	
10 26 16		Bumper Guards	(10 26)				
10 26 16 13		Bumper Rails	(10 26 16)				
10 26 16 13-0001		Crash Rails	(10 26 16 13)		Note: Includes end caps.		
10 26 16 13-0002		Polycarbonate Crash Rails	(10 26 16 13-0001)				
10 26 16 13-0003	LF	3" High, 5/16" Deep, Polycarbonate Crash Rail (Pawling CR-3)			.....	13.84	5.13
		For >50 To 100, Deduct				-2.57	
		For >100 To 200, Deduct				-3.59	
		For >200, Deduct				-4.80	
10 26 16 13-0004	LF	4" High, 5/16" Deep, Polycarbonate Crash Rail (Pawling CR-4)			.....	15.11	5.13
		For >50 To 100, Deduct				-2.57	
		For >100 To 200, Deduct				-3.59	
		For >200, Deduct				-4.86	
10 26 16 13-0005		Aluminum Crash Rails	(10 26 16 13-0001)				
10 26 16 13-0006	LF	4" High, 3-1/4" Deep, Aluminum Crash Rail (Pawling CRA-100)			.....	37.18	5.13
		For >50 To 100, Deduct				-2.57	
		For >100 To 200, Deduct				-3.59	
		For >200, Deduct				-5.97	
10 26 16 13-0007		Aluminum Crash Rails (Wallguard)	(10 26 16 13-0001)				
10 26 16 13-0008	EA	2' Long, 1/4" Thick, 4" Wide Bar With Two Returns, Clear Anodized Finish, Aluminum Crash Rail (Wallguard 2180)			.....	162.02	44.92
		Note: Includes 1/4" aluminum I-beam brackets (standard) and exposed fasteners (standard).					
10 26 16 13-0009	EA	3' Long, 1/4" Thick, 4" Wide Bar With Two Returns, Clear Anodized Finish, Aluminum Crash Rail (Wallguard 2180)			.....	172.86	47.49
		Note: Includes 1/4" aluminum I-beam brackets (standard) and exposed fasteners (standard).					
10 26 16 13-0010	EA	4' Long, 1/4" Thick, 4" Wide Bar With Two Returns, Clear Anodized Finish, Aluminum Crash Rail (Wallguard 2180)			.....	183.62	50.05
		Note: Includes 1/4" aluminum I-beam brackets (standard) and exposed fasteners (standard).					
10 26 16 13-0011	EA	5' Long, 1/4" Thick, 4" Wide Bar With Two Returns, Clear Anodized Finish, Aluminum Crash Rail (Wallguard 2180)			.....	317.49	52.62
		Note: Includes 1/4" aluminum I-beam brackets (standard) and exposed fasteners (standard).					
10 26 16 13-0012	EA	6' Long, 1/4" Thick, 4" Wide Bar With Two Returns, Clear Anodized Finish, Aluminum Crash Rail (Wallguard 2180)			.....	345.64	55.19
		Note: Includes 1/4" aluminum I-beam brackets (standard) and exposed fasteners (standard).					
10 26 16 13-0013	EA	7' Long, 1/4" Thick, 4" Wide Bar With Two Returns, Clear Anodized Finish, Aluminum Crash Rail (Wallguard 2180)			.....	356.49	57.75
		Note: Includes 1/4" aluminum I-beam brackets (standard) and exposed fasteners (standard).					
10 26 16 13-0014	EA	8' Long, 1/4" Thick, 4" Wide Bar With Two Returns, Clear Anodized Finish, Aluminum Crash Rail (Wallguard 2180)			.....	367.25	60.32
		Note: Includes 1/4" aluminum I-beam brackets (standard) and exposed fasteners (standard).					
10 26 16 13-0015	EA	9' Long, 1/4" Thick, 4" Wide Bar With Two Returns, Clear Anodized Finish, Aluminum Crash Rail (Wallguard 2180)			.....	395.50	62.88
		Note: Includes 1/4" aluminum I-beam brackets (standard) and exposed fasteners (standard).					
10 26 16 13-0016	EA	10' Long, 1/4" Thick, 4" Wide Bar With Two Returns, Clear Anodized Finish, Aluminum Crash Rail (Wallguard 2180)			.....	430.96	65.46
		Note: Includes 1/4" aluminum I-beam brackets (standard) and exposed fasteners (standard).					
10 26 16 13-0017	EA	11' Long, 1/4" Thick, 4" Wide Bar With Two Returns, Clear Anodized Finish, Aluminum Crash Rail (Wallguard 2180)			.....	459.13	68.02
		Note: Includes 1/4" aluminum I-beam brackets (standard) and exposed fasteners (standard).					
10 26 16 13-0018	EA	12' Long, 1/4" Thick, 4" Wide Bar With Two Returns, Clear Anodized Finish, Aluminum Crash Rail (Wallguard 2180)			.....	469.96	70.59
		Note: Includes 1/4" aluminum I-beam brackets (standard) and exposed fasteners (standard).					
10 26 16 13-0019	EA	2' Long, 1/4" Thick, 6" Wide Bar With Two Returns, Clear Anodized Finish, Aluminum Crash Rail (Wallguard 2180.6)			.....	207.90	44.92
		Note: Includes 1/4" aluminum I-beam brackets (standard) and exposed fasteners (standard).					
10 26 16 13-0020	EA	3' Long, 1/4" Thick, 6" Wide Bar With Two Returns, Clear Anodized Finish, Aluminum Crash Rail (Wallguard 2180.6)			.....	220.34	47.49
		Note: Includes 1/4" aluminum I-beam brackets (standard) and exposed fasteners (standard).					

		Specialties	10
		Interior Specialties	10 20
		Wall and Door Protection	10 26

MINOR		CSI UOM DESCRIPTION		TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
10 26 16 13-0021	EA	4' Long, 1/4" Thick, 6" Wide Bar With Two Returns, Clear Anodized Finish, Aluminum Crash Rail (Wallguard 2180.6).....	232.69	50.05	
		Note: Includes 1/4" aluminum I-beam brackets (standard) and exposed fasteners (standard).			
10 26 16 13-0022	EA	5' Long, 1/4" Thick, 6" Wide Bar With Two Returns, Clear Anodized Finish, Aluminum Crash Rail (Wallguard 2180.6).....	361.85	52.62	
		Note: Includes 1/4" aluminum I-beam brackets (standard) and exposed fasteners (standard).			
10 26 16 13-0023	EA	6' Long, 1/4" Thick, 6" Wide Bar With Two Returns, Clear Anodized Finish, Aluminum Crash Rail (Wallguard 2180.6).....	393.03	55.19	
		Note: Includes 1/4" aluminum I-beam brackets (standard) and exposed fasteners (standard).			
10 26 16 13-0024	EA	7' Long, 1/4" Thick, 6" Wide Bar With Two Returns, Clear Anodized Finish, Aluminum Crash Rail (Wallguard 2180.6).....	403.88	57.75	
		Note: Includes 1/4" aluminum I-beam brackets (standard) and exposed fasteners (standard).			
10 26 16 13-0025	EA	8' Long, 1/4" Thick, 6" Wide Bar With Two Returns, Clear Anodized Finish, Aluminum Crash Rail (Wallguard 2180.6).....	414.73	60.32	
		Note: Includes 1/4" aluminum I-beam brackets (standard) and exposed fasteners (standard).			
10 26 16 13-0026	EA	9' Long, 1/4" Thick, 6" Wide Bar With Two Returns, Clear Anodized Finish, Aluminum Crash Rail (Wallguard 2180.6).....	445.92	62.88	
		Note: Includes 1/4" aluminum I-beam brackets (standard) and exposed fasteners (standard).			
10 26 16 13-0027	EA	10' Long, 1/4" Thick, 6" Wide Bar With Two Returns, Clear Anodized Finish, Aluminum Crash Rail (Wallguard 2180.6).....	488.44	65.46	
		Note: Includes 1/4" aluminum I-beam brackets (standard) and exposed fasteners (standard).			
10 26 16 13-0028	EA	11' Long, 1/4" Thick, 6" Wide Bar With Two Returns, Clear Anodized Finish, Aluminum Crash Rail (Wallguard 2180.6).....	519.62	68.02	
		Note: Includes 1/4" aluminum I-beam brackets (standard) and exposed fasteners (standard).			
10 26 16 13-0029	EA	12' Long, 1/4" Thick, 6" Wide Bar With Two Returns, Clear Anodized Finish, Aluminum Crash Rail (Wallguard 2180.6).....	530.46	70.59	
		Note: Includes 1/4" aluminum I-beam brackets (standard) and exposed fasteners (standard).			
10 26 16 13-0030	EA	2' Long, 1/4" Thick, 4" Wide Bar With Two Returns, Clear Anodized Finish, Aluminum Crash Rail (Wallguard 2180B).....	162.02	44.92	
		Note: Includes 1/8" Stainless Steel Z-brackets (standard) and exposed fasteners (standard).			
10 26 16 13-0031	EA	3' Long, 1/4" Thick, 4" Wide Bar With Two Returns, Clear Anodized Finish, Aluminum Crash Rail (Wallguard 2180B).....	172.86	47.49	
		Note: Includes 1/8" Stainless Steel Z-brackets (standard) and exposed fasteners (standard).			
10 26 16 13-0032	EA	4' Long, 1/4" Thick, 4" Wide Bar With Two Returns, Clear Anodized Finish, Aluminum Crash Rail (Wallguard 2180B).....	183.62	50.05	
		Note: Includes 1/8" Stainless Steel Z-brackets (standard) and exposed fasteners (standard).			
10 26 16 13-0033	EA	5' Long, 1/4" Thick, 4" Wide Bar With Two Returns, Clear Anodized Finish, Aluminum Crash Rail (Wallguard 2180B).....	317.49	52.62	
		Note: Includes 1/8" Stainless Steel Z-brackets (standard) and exposed fasteners (standard).			
10 26 16 13-0034	EA	6' Long, 1/4" Thick, 4" Wide Bar With Two Returns, Clear Anodized Finish, Aluminum Crash Rail (Wallguard 2180B).....	345.64	55.19	
		Note: Includes 1/8" Stainless Steel Z-brackets (standard) and exposed fasteners (standard).			
10 26 16 13-0035	EA	7' Long, 1/4" Thick, 4" Wide Bar With Two Returns, Clear Anodized Finish, Aluminum Crash Rail (Wallguard 2180B).....	356.49	57.75	
		Note: Includes 1/8" Stainless Steel Z-brackets (standard) and exposed fasteners (standard).			
10 26 16 13-0036	EA	8' Long, 1/4" Thick, 4" Wide Bar With Two Returns, Clear Anodized Finish, Aluminum Crash Rail (Wallguard 2180B).....	367.25	60.32	
		Note: Includes 1/8" Stainless Steel Z-brackets (standard) and exposed fasteners (standard).			
10 26 16 13-0037	EA	9' Long, 1/4" Thick, 4" Wide Bar With Two Returns, Clear Anodized Finish, Aluminum Crash Rail (Wallguard 2180B).....	395.50	62.88	
		Note: Includes 1/8" Stainless Steel Z-brackets (standard) and exposed fasteners (standard).			
10 26 16 13-0038	EA	10' Long, 1/4" Thick, 4" Wide Bar With Two Returns, Clear Anodized Finish, Aluminum Crash Rail (Wallguard 2180B).....	430.96	65.46	
		Note: Includes 1/8" Stainless Steel Z-brackets (standard) and exposed fasteners (standard).			
10 26 16 13-0039	EA	11' Long, 1/4" Thick, 4" Wide Bar With Two Returns, Clear Anodized Finish, Aluminum Crash Rail (Wallguard 2180B).....	459.13	68.02	
		Note: Includes 1/8" Stainless Steel Z-brackets (standard) and exposed fasteners (standard).			
10 26 16 13-0040	EA	12' Long, 1/4" Thick, 4" Wide Bar With Two Returns, Clear Anodized Finish, Aluminum Crash Rail (Wallguard 2180B).....	469.96	70.59	
		Note: Includes 1/8" Stainless Steel Z-brackets (standard) and exposed fasteners (standard).			
10 26 16 13-0041	EA	2' Long, 1/4" Thick, 6" Wide Bar With Two Returns, Clear Anodized Finish, Aluminum Crash Rail (Wallguard 2180B.6).....	250.66	44.92	
		Note: Includes 1/8" Stainless Steel Z-brackets (standard) and exposed fasteners (standard).			
10 26 16 13-0042	EA	3' Long, 1/4" Thick, 6" Wide Bar With Two Returns, Clear Anodized Finish, Aluminum Crash Rail (Wallguard 2180B.6).....	263.10	47.49	
		Note: Includes 1/8" Stainless Steel Z-brackets (standard) and exposed fasteners (standard).			
10 26 16 13-0043	EA	4' Long, 1/4" Thick, 6" Wide Bar With Two Returns, Clear Anodized Finish, Aluminum Crash Rail (Wallguard 2180B.6).....	277.06	50.05	
		Note: Includes 1/8" Stainless Steel Z-brackets (standard) and exposed fasteners (standard).			
10 26 16 13-0044	EA	5' Long, 1/4" Thick, 6" Wide Bar With Two Returns, Clear Anodized Finish, Aluminum Crash Rail (Wallguard 2180B.6).....	395.63	52.62	
		Note: Includes 1/8" Stainless Steel Z-brackets (standard) and exposed fasteners (standard).			
10 26 16 13-0045	EA	6' Long, 1/4" Thick, 6" Wide Bar With Two Returns, Clear Anodized Finish, Aluminum Crash Rail (Wallguard 2180B.6).....	443.87	55.19	
		Note: Includes 1/8" Stainless Steel Z-brackets (standard) and exposed fasteners (standard).			
10 26 16 13-0046	EA	7' Long, 1/4" Thick, 6" Wide Bar With Two Returns, Clear Anodized Finish, Aluminum Crash Rail (Wallguard 2180B.6).....	454.63	57.75	
		Note: Includes 1/8" Stainless Steel Z-brackets (standard) and exposed fasteners (standard).			
10 26 16 13-0047	EA	8' Long, 1/4" Thick, 6" Wide Bar With Two Returns, Clear Anodized Finish, Aluminum Crash Rail (Wallguard 2180B.6).....	465.39	60.32	
		Note: Includes 1/8" Stainless Steel Z-brackets (standard) and exposed fasteners (standard).			
10 26 16 13-0048	EA	9' Long, 1/4" Thick, 6" Wide Bar With Two Returns, Clear Anodized Finish, Aluminum Crash Rail (Wallguard 2180B.6).....	513.56	62.88	
		Note: Includes 1/8" Stainless Steel Z-brackets (standard) and exposed fasteners (standard).			
10 26 16 13-0049	EA	10' Long, 1/4" Thick, 6" Wide Bar With Two Returns, Clear Anodized Finish, Aluminum Crash Rail (Wallguard 2180B.6).....	555.99	65.46	
		Note: Includes 1/8" Stainless Steel Z-brackets (standard) and exposed fasteners (standard).			
10 26 16 13-0050	EA	11' Long, 1/4" Thick, 6" Wide Bar With Two Returns, Clear Anodized Finish, Aluminum Crash Rail (Wallguard 2180B.6).....	604.24	68.02	
		Note: Includes 1/8" Stainless Steel Z-brackets (standard) and exposed fasteners (standard).			

10	10	Specialties
	10 20	Interior Specialties
	10 26	Wall and Door Protection



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
10 26 16 13-0051	EA	12' Long, 1/4" Thick, 6" Wide Bar With Two Returns, Clear Anodized Finish, Aluminum Crash Rail (Wallguard 2180B.6).....	614.99	70.59	
Note: Includes 1/8" Stainless Steel Z-brackets (standard) and exposed fasteners (standard).					
10 26 16 13-0052		Stainless Steel Crash Rails (10 26 16 13-0001)			
10 26 16 13-0053	LF	4" High, 3-1/4" Deep, Stainless Steel Crash Rail (Pawling CRS-100)	64.08	5.13	
		For >50 To 100, Deduct	-2.57		
		For >100 To 200, Deduct	-3.59		
		For >200, Deduct	-7.31		
10 26 16 13-0054	LF	5-1/2" High, 1-1/2" Deep, Stainless Steel Crash Rail (Pawling CRS-200)	50.63	5.13	
		For >50 To 100, Deduct	-2.57		
		For >100 To 200, Deduct	-3.59		
		For >200, Deduct	-6.64		
10 26 16 13-0055		Wall Guards (10 26 16 13)			
10 26 16 13-0056		Rigid Vinyl Wall Guards With Aluminum Retainers (10 26 16 13-0055)			
Note: Includes end caps.					
10 26 16 13-0057	LF	1-1/2" High, 1-1/2" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-1).....	14.03	4.50	
		For >50 To 100, Deduct	-2.25		
		For >100 To 200, Deduct	-3.14		
		For >200, Deduct	-4.29		
10 26 16 13-0058	LF	3" High, 1" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-3).....	16.98	5.13	
		For >50 To 100, Deduct	-2.57		
		For >100 To 200, Deduct	-3.59		
		For >200, Deduct	-4.96		
10 26 16 13-0059	LF	4" High, 3/4" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-4).....	18.23	5.13	
		For >50 To 100, Deduct	-2.57		
		For >100 To 200, Deduct	-3.59		
		For >200, Deduct	-5.02		
10 26 16 13-0060	LF	5" High, 1-1/16" Deep, Curved, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-5)	18.91	5.13	
		For >50 To 100, Deduct	-2.57		
		For >100 To 200, Deduct	-3.59		
		For >200, Deduct	-5.05		
10 26 16 13-0061	LF	6" High, 1" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-6).....	22.35	5.45	
		For >50 To 100, Deduct	-2.73		
		For >100 To 200, Deduct	-3.82		
		For >200, Deduct	-5.48		
10 26 16 13-0062	LF	8" High, 1-1/16" Deep, Curved, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-7)	22.46	5.45	
		For >50 To 100, Deduct	-2.73		
		For >100 To 200, Deduct	-3.82		
		For >200, Deduct	-5.49		
10 26 16 13-0063	LF	7-3/4" High, 1" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-8).....	23.06	5.45	
		For >50 To 100, Deduct	-2.73		
		For >100 To 200, Deduct	-3.82		
		For >200, Deduct	-5.52		
10 26 16 13-0064	LF	12" High, 2" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-12).....	27.48	5.77	
		For >50 To 100, Deduct	-2.89		
		For >100 To 200, Deduct	-4.04		
		For >200, Deduct	-5.99		
10 26 16 13-0065		Rubber Wall Guards (10 26 16 13-0055)			
10 26 16 13-0066		D-Shaped, Rubber Wall Guards (10 26 16 13-0065)			
10 26 16 13-0067	LF	2" High, 1-3/4" Deep, D-Shaped, Rubber Wall Guard (Pawling D-2).....	18.33	4.50	
		For >50 To 100, Deduct	-2.25		
		For >100 To 200, Deduct	-3.14		
		For >200, Deduct	-4.51		
10 26 16 13-0068	LF	3" High, 3" Deep, D-Shaped, Rubber Wall Guard (Pawling D-3)	26.41	5.13	
		For >50 To 100, Deduct	-2.57		
		For >100 To 200, Deduct	-3.59		
		For >200, Deduct	-5.43		
10 26 16 13-0069	LF	4" High, 4-1/4" Deep, D-Shaped, Rubber Wall Guard (Pawling D-4).....	38.05	5.13	
		For >50 To 100, Deduct	-2.57		
		For >100 To 200, Deduct	-3.59		
		For >200, Deduct	-6.01		
10 26 16 13-0070	LF	6" High, 6" Deep, D-Shaped, Rubber Wall Guard (Pawling D-6)	52.71	5.13	
		For >50 To 100, Deduct	-2.57		
		For >100 To 200, Deduct	-3.59		
		For >200, Deduct	-6.74		
10 26 16 13-0071		Rectangular, Rubber Wall Guards (10 26 16 13-0065)			
10 26 16 13-0072	LF	8" High, 1-1/2" Deep, Rectangular, Rubber Wall Guard (Pawling E-1).....	40.71	5.45	
		For >50 To 100, Deduct	-2.73		
		For >100 To 200, Deduct	-3.82		
		For >200, Deduct	-6.40		
10 26 16 13-0073	LF	9" High, 2" Deep, Rectangular, Rubber Wall Guard (Pawling M-2).....	50.97	5.77	
		For >50 To 100, Deduct	-2.89		
		For >100 To 200, Deduct	-4.04		
		For >200, Deduct	-7.17		
10 26 16 13-0074		Wing Type, Rubber Wall Guards (10 26 16 13-0065)			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 16 13-0075	LF	6" High, 2" Deep, Wing Type, Rubber Wall Guard (Pawling WT-20)	65.43	5.13	
		For >50 To 100, Deduct	-2.57		
		For >100 To 200, Deduct	-3.59		
		For >200, Deduct	-7.38		
10 26 16 13-0076	LF	6" High, 3" Deep, Wing Type, Rubber Wall Guard (Pawling WT-30)	69.46	5.13	
		For >50 To 100, Deduct	-2.57		
		For >100 To 200, Deduct	-3.59		
		For >200, Deduct	-7.58		
10 26 16 13-0077	LF	3-7/8" High, 2-1/2" Deep, Wing Type, Rubber Wall Guard (Pawling WT-25)	32.50	4.50	
		For >50 To 100, Deduct	-2.25		
		For >100 To 200, Deduct	-3.14		
		For >200, Deduct	-5.22		
10 26 16 13-0078		U-Shaped, Rubber Wall Guards (10 26 16 13-0065)			
10 26 16 13-0079	LF	3-1/8" High, 3-7/8" Deep, U-Shaped, Rubber Wall Guard (Pawling U-4)	55.64	5.45	
		For >50 To 100, Deduct	-2.73		
		For >100 To 200, Deduct	-3.82		
		For >200, Deduct	-7.15		
10 26 16 13-0080	LF	4-1/2" High, 3-1/2" Deep, U-Shaped, Rubber Wall Guard (Pawling U-3)	62.03	5.45	
		For >50 To 100, Deduct	-2.73		
		For >100 To 200, Deduct	-3.82		
		For >200, Deduct	-7.47		
10 26 16 13-0081		Accent Rails (10 26 16 13)			
		Note: Includes end caps.			
10 26 16 13-0082		Oval, Rigid Vinyl Accent Rails With Aluminum Retainers (10 26 16 13-0081)			
10 26 16 13-0083	LF	1-1/8" High, 1-1/16" Deep, Oval, Rigid Vinyl Accent Rail With Aluminum Retainer (Pawling EB-25)	16.23	4.50	
		For >50 To 100, Deduct	-2.25		
		For >100 To 200, Deduct	-3.14		
		For >200, Deduct	-4.40		
10 26 16 13-0084	LF	2" High, 1-1/8" Deep, Oval, Rigid Vinyl Accent Rail With Aluminum Retainer (Pawling EBR-30)	16.25	4.50	
		For >50 To 100, Deduct	-2.25		
		For >100 To 200, Deduct	-3.14		
		For >200, Deduct	-4.40		
10 26 16 13-0085	LF	2" High, 1-3/4" Deep, Oval, Rigid Vinyl Accent Rail With Aluminum Retainer (Pawling WG-22)	22.45	4.50	
		For >50 To 100, Deduct	-2.25		
		For >100 To 200, Deduct	-3.14		
		For >200, Deduct	-4.71		
10 26 16 16		Protective Corridor Handrails (10 26 16)			
10 26 16 16-0001		Protective Corridor Handrails (10 26 16 16)			
10 26 16 16-0002		Vinyl/Acrylic Protective Corridor Handrails With Aluminum Retainers (10 26 16 16-0001)			
10 26 16 16-0003	LF	1-1/2" Diameter, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn HR-6CN)	35.07	9.62	
		For >50 To 100, Deduct	-4.81		
		For >100 To 200, Deduct	-6.74		
		For >200, Deduct	-9.45		
10 26 16 16-0004	EA	End Cap For 1-1/2" Diameter, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn)	30.55	9.62	
		For >25 To 50, Deduct	-4.81		
		For >50 To 100, Deduct	-6.74		
		For >100, Deduct	-9.23		
10 26 16 16-0005	LF	5-1/2" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn HRB-4C)	48.63	9.62	
		For >50 To 100, Deduct	-4.81		
		For >100 To 200, Deduct	-6.74		
		For >200, Deduct	-10.13		
10 26 16 16-0006	EA	End Cap For 5-1/2" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn)	39.59	9.62	
		For >25 To 50, Deduct	-4.81		
		For >50 To 100, Deduct	-6.74		
		For >100, Deduct	-9.68		
10 26 16 16-0007	LF	6-1/4" High, Vinyl/Acrylic Crash And Handrail With Aluminum Retainer (Acrovyn HRB-10CN)	50.89	9.62	
		For >50 To 100, Deduct	-4.81		
		For >100 To 200, Deduct	-6.74		
		For >200, Deduct	-10.24		
10 26 16 16-0008	EA	End Cap For 6-1/4" High, Vinyl/Acrylic Crash And Handrail With Aluminum Retainer (Acrovyn)	55.41	9.62	
		For >25 To 50, Deduct	-4.81		
		For >50 To 100, Deduct	-6.74		
		For >100, Deduct	-10.47		
10 26 16 16-0009	LF	6" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn HR-8CN)	66.70	9.62	
		For >50 To 100, Deduct	-4.81		
		For >100 To 200, Deduct	-6.74		
		For >200, Deduct	-11.04		
10 26 16 16-0010	EA	End Cap For 6" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn)	73.48	9.62	
		For >25 To 50, Deduct	-4.81		
		For >50 To 100, Deduct	-6.74		
		For >100, Deduct	-11.37		
10 26 16 16-0011		Stainless Steel Protective Corridor Handrails (10 26 16 16-0001)			
10 26 16 16-0012	LF	5-7/8" High, Stainless Steel Protective Corridor Handrail (Acrovyn P-RS)	89.30	9.62	
		For >50 To 100, Deduct	-4.81		
		For >100 To 200, Deduct	-6.74		
		For >200, Deduct	-12.17		

10 Specialties**10 20 Interior Specialties****10 26 Wall and Door Protection**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
10 26 16 16-0013	EA End Cap For 5-7/8" High, Stainless Steel Protective Corridor Handrail (Acrovyn)..... For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	91.56 -4.81 -6.74 -12.28		9.62	
10 26 16 16-0014	Hardwood Protective Corridor Handrails (10 26 16 16-0001) Note: Includes end caps.				
10 26 16 16-0015	LF 4" High, Vinyl Protective Corridor Handrail With 1-1/2" Diameter Wood (Pawling BR-400C) For >50 To 100, Deduct For >100 To 200, Deduct For >200, Deduct For Maple, Add	30.92 -3.33 -4.66 -6.87 0.53		6.66	
10 26 16 16-0016	LF 5-1/2" Diameter, Hardwood Protective Corridor Handrail With Vinyl Inserts (Pawling BR-5500)..... For >50 To 100, Deduct For >100 To 200, Deduct For >200, Deduct	36.83 -3.55 -4.97 -7.52		7.10	
10 26 16 16-0017	LF 1-1/2" Diameter, Hardwood Protective Corridor Handrail (Pawling BR-1500)..... For >50 To 100, Deduct For >100 To 200, Deduct For >200, Deduct For Maple, Add For Oak, Add	27.15 -3.33 -4.66 -6.68 5.95 6.64		6.66	
10 26 23	Protective Wall Covering (10 26)				
10 26 23 13	Impact Resistant Wall Protection (10 26 23)				
10 26 23 13-0001	Impact Resistant Wall Protection (10 26 23 13) Note: Includes standard trim.				
10 26 23 13-0002	SF 0.030" Rigid Vinyl, Impact Resistant Wall Covering (Pawling WC-30).....	9.10		3.21	
10 26 23 13-0003	SF 0.040" Rigid Vinyl, Impact Resistant Wall Covering (Pawling WC-40).....	9.42		3.21	
10 26 23 13-0004	SF 0.060" Rigid Vinyl, Impact Resistant Wall Covering (Pawling WC-60).....	11.31		3.21	
10 26 23 13-0005	Interior Polyvinyl Chloride (PVC) Soffit System (10 26 23 13) Note: DecoShield Systems, Inc. Concealment system for fire sprinkler piping, plumbing lines, HVAC, cable and conduit.				
10 26 23 13-0006	"L" Design (10 26 23 13-0005)				
10 26 23 13-0007	L-Shield (10 26 23 13-0006)				
10 26 23 13-0008	LF 2.38" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1" Shield Size For 3/4" And 1" Pipe.....	17.73		3.21	
10 26 23 13-0009	LF 3" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1-1/4" Shield Size For 1-1/4" And 1-1/2" Pipe	20.57		4.50	
10 26 23 13-0010	LF 3.75" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 2" Shield Size For 2" Pipe	27.01		5.77	
10 26 23 13-0011	LF 5.75" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 2-1/2" Shield Size For 2-1/2" Pipe	37.02		7.06	
10 26 23 13-0012	"Combo" Hanger (10 26 23 13-0006)				
10 26 23 13-0013	EA Combination "Combo" Hanger, L-Support, For 3/4" Pipe	19.74		6.42	
10 26 23 13-0014	EA Combination "Combo" Hanger, L-Support, For 1" Pipe	22.85		7.71	
10 26 23 13-0015	EA Combination "Combo" Hanger, L-Support, For 1-1/4" Pipe	26.40		8.98	
10 26 23 13-0016	EA Combination "Combo" Hanger, L-Support, For 1-1/2" Pipe	29.37		10.27	
10 26 23 13-0017	EA Combination "Combo" Hanger, L-Support, For 2" Pipe	32.91		11.56	
10 26 23 13-0018	Snap-2 Pipe Hanger (10 26 23 13-0006)				
10 26 23 13-0019	EA Snap-2 Pipe Hanger, L-Support, For 3/4" Pipe	16.43		6.42	
10 26 23 13-0020	EA Snap-2 Pipe Hanger, L-Support, For 1" Pipe	19.95		7.71	
10 26 23 13-0021	EA Snap-2 Pipe Hanger, L-Support, For 1-1/4" Pipe	23.22		8.98	
10 26 23 13-0022	EA Snap-2 Pipe Hanger, L-Support, For 1-1/2" Pipe	27.02		10.27	
10 26 23 13-0023	EA Snap-2 Pipe Hanger, L-Support, For 2" Pipe	30.97		11.56	
10 26 23 13-0024	Coupling (10 26 23 13-0006)				
10 26 23 13-0025	EA Coupling, L-Shield, 1" Shield Size	10.70		3.21	
10 26 23 13-0026	EA Coupling, L-Shield, 1-1/4" Shield Size	15.46		4.50	
10 26 23 13-0027	EA Coupling, L-Shield, 2" Shield Size	22.18		5.77	
10 26 23 13-0028	EA Coupling, L-Shield, 2-1/2" Shield Size	27.78		7.06	
10 26 23 13-0029	Coupling, Reducer (10 26 23 13-0006)				
10 26 23 13-0030	EA Coupling, Reducing, L-Shield, 1-1/4" x 1" Shield Size	29.78		3.85	
10 26 23 13-0031	EA Coupling, Reducing, L-Shield, 2" x 1" Shield Size	36.57		4.50	
10 26 23 13-0032	EA Coupling, Reducing, L-Shield, 2" x 1-1/4" Shield Size	43.38		5.13	
10 26 23 13-0033	EA Coupling, Reducing, L-Shield, 2-1/2" x 2" Shield Size	168.46		6.42	
10 26 23 13-0034	Shield Clips (10 26 23 13-0006)				
10 26 23 13-0035	EA Shield Clips, L-Support, 1" Shield Size	6.47		1.92	
10 26 23 13-0036	EA Shield Clips, L-Support, 1-1/4" Shield Size	9.73		3.21	
10 26 23 13-0037	EA Shield Clips, L-Support, 2" Shield Size	12.84		4.50	
10 26 23 13-0038	EA Shield Clips, L-Support, 2-1/2" Shield Size	14.60		5.77	
10 26 23 13-0039	Wall Flange (10 26 23 13-0006)				

		Specialties	10
		Interior Specialties	10 20
		Wall and Door Protection	10 26

MINOR		CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 23 13-0040	EA	Wall Flange, L-Shield, 1" Shield Size.....	10.42	3.21	
10 26 23 13-0041	EA	Wall Flange, L-Shield, 1-1/4" Shield Size	14.91	4.50	
10 26 23 13-0042	EA	Wall Flange, L-Shield, 2" Shield Size.....	21.63	5.77	
10 26 23 13-0043	EA	Wall Flange, L-Shield, 2-1/2" Shield Size	88.15	7.06	
10 26 23 13-0044 End Cap (10 26 23 13-0006)					
10 26 23 13-0045	EA	End Cap, L-Shield, 1" Shield Size	10.61	1.92	
10 26 23 13-0046	EA	End Cap, L-Shield, 1-1/4" Shield Size	14.15	3.21	
10 26 23 13-0047	EA	End Cap, L-Shield, 2" Shield Size	19.60	4.50	
10 26 23 13-0048	EA	End Cap, L-Shield, 2-1/2" Shield Size	89.65	5.77	
10 26 23 13-0049 Inside/Outside Corner (10 26 23 13-0006)					
10 26 23 13-0050	EA	Inside/Outside Corner, L-Shield, 1" Shield Size.....	65.68	6.42	
10 26 23 13-0051	EA	Inside/Outside Corner, L-Shield, 1-1/4" Shield Size.....	70.86	7.71	
10 26 23 13-0052	EA	Inside/Outside Corner, L-Shield, 2" Shield Size.....	85.62	9.63	
10 26 23 13-0053	EA	Inside/Outside Corner, L-Shield, 2-1/2" Shield Size.....	149.34	11.56	
10 26 23 13-0054 Joiner (10 26 23 13-0006)					
10 26 23 13-0055	LF	Joiner, L-Shield.....	13.65	1.92	
10 26 23 13-0056 "U" Design (10 26 23 13-0005)					
10 26 23 13-0057 U-Shield (10 26 23 13-0056)					
10 26 23 13-0058	LF	2.25" Depth U-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1" Shield Size For 3/4" And 1" Pipe	21.32	3.21	
10 26 23 13-0059	LF	2.875" Depth U-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1-1/4" Shield Size For 1-1/4" Pipe	26.64	4.50	
10 26 23 13-0060	LF	3.68" Depth U-Shield Cover, Duplex Polyvinyl Chloride (PVC), 2" Shield Size For 1-1/2" And 2" Pipe.....	34.05	4.50	
10 26 23 13-0061 "Combo" Hanger (10 26 23 13-0056)					
10 26 23 13-0062	EA	Combination "Combo" Hanger, U-Support For 3/4" Pipe.....	17.12	6.42	
10 26 23 13-0063	EA	Combination "Combo" Hanger, U-Support For 1" Pipe.....	20.37	7.71	
10 26 23 13-0064	EA	Combination "Combo" Hanger, U-Support For 1-1/4" Pipe.....	23.50	8.98	
10 26 23 13-0065	EA	Combination "Combo" Hanger, U-Support For 1-1/2" Pipe.....	28.96	10.27	
10 26 23 13-0066	EA	Combination "Combo" Hanger, U-Support For 2" Pipe.....	32.77	11.56	
10 26 23 13-0067 Snap-2 Pipe Hanger (10 26 23 13-0056)					
10 26 23 13-0068	EA	Snap-2 Pipe Hanger, U-Support, For 3/4" Pipe	16.15	6.42	
10 26 23 13-0069	EA	Snap-2 Pipe Hanger, U-Support, For 1" Pipe	19.68	7.71	
10 26 23 13-0070	EA	Snap-2 Pipe Hanger, U-Support, For 1-1/4" Pipe	23.91	8.98	
10 26 23 13-0071	EA	Snap-2 Pipe Hanger, U-Support, For 1-1/2" Pipe	26.75	10.27	
10 26 23 13-0072	EA	Snap-2 Pipe Hanger, U-Support, For 2" Pipe	30.84	11.56	
10 26 23 13-0073 Coupling (10 26 23 13-0056)					
10 26 23 13-0074	EA	Coupling, U-Shield, 1" Shield Size.....	12.63	3.21	
10 26 23 13-0075	EA	Coupling, U-Shield, 1-1/4" Shield Size.....	15.88	4.50	
10 26 23 13-0076	EA	Coupling, U-Shield, 2" Shield Size.....	19.42	5.77	
10 26 23 13-0077 Coupling, Reducer (10 26 23 13-0056)					
10 26 23 13-0078	EA	Reducing Coupling, U-Shield, 1-1/4" x 1" Shield Size	35.30	3.85	
10 26 23 13-0079	EA	Reducing Coupling, U-Shield, 2" x 1" Shield Size.....	42.09	4.50	
10 26 23 13-0080	EA	Reducing Coupling, U-Shield, 2" x 1-1/4" Shield Size	44.76	5.13	
10 26 23 13-0081 Shield Clips (10 26 23 13-0056)					
10 26 23 13-0082	EA	Shield Clips, U-Support, 1" Shield Size	5.92	1.92	
10 26 23 13-0083	EA	Shield Clips, U-Support, 1-1/4" Shield Size	8.77	3.21	
10 26 23 13-0084	EA	Shield Clips, U-Support, 2" Shield Size	11.60	4.50	
10 26 23 13-0085 Wall Flange (10 26 23 13-0056)					
10 26 23 13-0086	EA	Wall Flange, U-Shield, 1" Shield Size	12.21	3.21	
10 26 23 13-0087	EA	Wall Flange, U-Shield, 1-1/4" Shield Size.....	15.74	4.50	
10 26 23 13-0088	EA	Wall Flange, U-Shield, 2" Shield Size	19.29	5.77	
10 26 23 13-0089 End Cap (10 26 23 13-0056)					
10 26 23 13-0090	EA	End Cap, U-Shield, 1" Shield Size	11.30	1.92	
10 26 23 13-0091	EA	End Cap, U-Shield, 1-1/4" Shield Size.....	15.25	3.21	
10 26 23 13-0092	EA	End Cap, U-Shield, 2" Shield Size.....	19.05	4.50	
10 26 23 13-0093 Inside/Outside Corner (10 26 23 13-0056)					
10 26 23 13-0094	EA	Inside/Outside Corner, U-Shield, 1" Shield Size	82.37	6.42	
10 26 23 13-0095	EA	Inside/Outside Corner, U-Shield, 1-1/4" Shield Size.....	91.69	7.71	
10 26 23 13-0096	EA	Inside/Outside Corner, U-Shield, 2" Shield Size	108.52	9.63	

10	10	Specialties
	10 20	Interior Specialties
	10 26	Wall and Door Protection



		MINOR			TOTAL DIRECT	DEMOLITION
		CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
10 26 23 13-0097	Elbow			(10 26 23 13-0056)		
10 26 23 13-0098	EA			Elbow, U-Shield, 1" Shield Size	80.85	6.42
10 26 23 13-0099	EA			Elbow, U-Shield, 1-1/4" Shield Size	88.93	7.71
10 26 23 13-0100	EA			Elbow, U-Shield, 2" Shield Size	105.90	9.63
10 26 23 13-0101	Tee			(10 26 23 13-0056)		
10 26 23 13-0102	EA			Tee, U-Shield, 1" x 1" x 1" Shield Size	102.45	9.63
10 26 23 13-0103	EA			Tee, U-Shield, 1-1/4" x 1-1/4" x 1-1/4" Shield Size	114.03	11.56
10 26 23 13-0104	EA			Tee, U-Shield, 2" x 2" x 2" Shield Size	133.24	14.12
10 26 23 13-0105	EA			Tee, U-Shield, 1-1/4" x 1-1/4" x 1" Shield Size	134.96	10.92
10 26 23 13-0106	EA			Tee, U-Shield, 2" x 2" x 1-1/4" Shield Size	145.74	13.48
10 26 23 13-0107	Cross			(10 26 23 13-0056)		
10 26 23 13-0108	EA			Cross, U-Shield, 1" Shield Size	185.01	12.84
10 26 23 13-0109	EA			Cross, U-Shield, 1-1/4" Shield Size	207.40	15.40
10 26 23 13-0110	EA			Cross, U-Shield, 2" Shield Size	252.08	19.26
10 26 23 13-0111	EA			Cross, U-Shield, 1-1/4" x 1" Shield Size	253.40	14.12
10 26 23 13-0112	EA			Cross, U-Shield, 2" x 1-1/4" Shield Size	278.86	17.33
10 26 23 13-0113	Transition Fittings (L to U Or U to L)			(10 26 23 13-0005)		
10 26 23 13-0114	Coupling Transition			(10 26 23 13-0113)		
10 26 23 13-0115	EA			Transition Coupling, 1" x 1", LxU or UxL	31.53	3.21
10 26 23 13-0116	EA			Transition Coupling, 1-1/4" x 1-1/4", LxU or UxL	35.74	4.50
10 26 23 13-0117	EA			Transition Coupling, 2" x 2", LxU or UxL	44.53	5.77
10 26 23 13-0118	EA			Transition Coupling, 1" x 1-1/4", LxU or UxL	35.72	3.85
10 26 23 13-0119	EA			Transition Coupling, 1-1/4" x 2", LxU or UxL	44.48	5.13
10 26 23 13-0120	EA			Transition Coupling, 2" x 2-1/2", LxU or UxL	176.32	6.42
10 26 23 13-0121	Elbow Transition			(10 26 23 13-0113)		
10 26 23 13-0122	EA			Transition Elbow, 1" x 1" (UxL)	108.58	6.42
10 26 23 13-0123	EA			Transition Elbow, 1-1/4" x 1-1/4" (UxL)	117.77	7.71
10 26 23 13-0124	EA			Transition Elbow, 2" x 2" (UxL)	138.18	9.63
10 26 23 13-0125	EA			Transition Elbow, 1" x 1-1/4" (UxL)	168.64	7.06
10 26 23 13-0126	EA			Transition Elbow, 1-1/4" x 1" (UxL)	119.52	7.06
10 26 23 13-0127	EA			Transition Elbow, 1-1/4" x 2" (UxL)	178.29	8.98
10 26 23 13-0128	EA			Transition Elbow, 2" x 1-1/4" (UxL)	138.42	8.98
10 26 23 13-0129	EA			Transition Elbow, 2" x 2-1/2" (UxL)	214.24	10.27
10 26 23 13-0130	Tee Transition			(10 26 23 13-0113)		
10 26 23 13-0131	EA			Transition Tee, 1" x 1" x 1" (LxLxU)	124.66	9.63
10 26 23 13-0132	EA			Transition Tee, 1-1/4" x 1-1/4" x 1-1/4" (LxLxU)	144.24	11.56
10 26 23 13-0133	EA			Transition Tee, 2" x 2" x 2" (LxLxU)	167.87	14.12
10 26 23 13-0134	EA			Transition Tee, 1-1/4" x 1-1/4" x 1" (LxLxU)	131.78	10.92
10 26 23 13-0135	EA			Transition Tee, 1-1/4" x 1-1/4" x 2" (LxLxU)	206.51	12.19
10 26 23 13-0136	EA			Transition Tee, 2" x 2" x 1-1/4" (LxLxU)	146.99	13.48
10 26 23 13-0137	EA			Transition Tee, 2-1/2" x 2-1/2" x 2" (LxLxU)	200.40	16.05
10 26 23 13-0138	Fittings (L Or U)			(10 26 23 13-0005)		
10 26 23 13-0139	Hugger Hangers For Steel Pipe			(10 26 23 13-0138)		
10 26 23 13-0140	EA			Hugger Hanger, For 1/2" Steel Pipe	13.17	5.13
10 26 23 13-0141	EA			Hugger Hanger, For 3/4" Steel Pipe	16.43	6.42
10 26 23 13-0142	EA			Hugger Hanger, For 1" Steel Pipe	19.26	7.71
10 26 23 13-0143	EA			Hugger Hanger, For 1-1/4" Steel Pipe	22.26	8.98
10 26 23 13-0144	EA			Hugger Hanger, For 1-1/2" Steel Pipe	25.09	10.27
10 26 23 13-0145	EA			Hugger Hanger, For 2" Steel Pipe	28.21	10.27
10 26 23 13-0146	EA			Hugger Hanger, For 2-1/2" Steel Pipe	31.05	12.84
10 26 23 13-0147	EA			Hugger Hanger, For 3" Steel Pipe	38.73	14.12
10 26 23 13-0148	Hugger Hangers For Copper Pipe			(10 26 23 13-0138)		
10 26 23 13-0149	EA			1/2" Copper Pipe, Hugger Hanger	13.31	5.13
10 26 23 13-0150	EA			3/4" Copper Pipe, Hugger Hanger	16.56	6.42
10 26 23 13-0151	EA			1" Copper Pipe, Hugger Hanger	19.40	7.71
10 26 23 13-0152	EA			1-1/4" Copper Pipe, Hugger Hanger	22.39	8.98
10 26 23 13-0153	EA			1-1/2" Copper Pipe, Hugger Hanger	25.23	10.27
10 26 23 13-0154	EA			2" Copper Pipe, Hugger Hanger	28.49	11.56
10 26 23 13-0155	EA			2-1/2" Copper Pipe, Hugger Hanger	31.33	12.84
10 26 23 13-0156	EA			3" Copper Pipe, Hugger Hanger	39.15	14.12
10 26 23 13-0157	Shield Extension (L Or U)			(10 26 23 13-0138)		
10 26 23 13-0158	LF			Shield Extension	16.54	1.92

		Specialties	10
		Interior Specialties	10 20
		Wall and Door Protection	10 26
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

10 26 23 13-0159	Interior Steel Soffit System (10 26 23 13) Note: Concealment system for fire sprinkler piping, plumbing lines, HVAC, cable and conduit. Includes factory painted finish and field touch-up.		
10 26 23 13-0160	SF 24 Gauge Steel, U-Shield (JG Innovations Soffi-Steel)	31.61	5.77
	For 22 Gauge Steel, Add	2.01	
	For 20 Gauge Steel, Add	4.29	
	For 18 Gauge Steel, Add	8.42	
	For 16 Gauge Steel, Add	12.93	
	For Stainless Steel, Add	5.01	
10 26 23 13-0161	EA U-Shield Wall Flange (JG Innovations Soffi-Steel)	50.36	16.05
	For Stainless Steel, Add	4.57	
10 26 23 13-0162	EA U-Shield Corner (JG Innovations Soffi-Steel)	125.05	19.26
	For Stainless Steel, Add	21.31	
10 26 23 13-0163	EA U-Shield End Cap (JG Innovations Soffi-Steel)	38.75	9.63
	For Stainless Steel, Add	4.87	
10 26 23 13-0164	EA U-Shield Clip (JG Innovations Soffi-Steel)	8.49	3.85
	For Stainless Steel, Add	0.20	
10 26 23 13-0165	SF 24 Gauge Steel, L-Shield (JG Innovations Soffi-Steel)	35.87	5.77
	For 22 Gauge Steel, Add	1.82	
	For 20 Gauge Steel, Add	3.89	
	For 18 Gauge Steel, Add	7.54	
	For 16 Gauge Steel, Add	12.64	
	For Stainless Steel, Add	6.08	
10 26 23 13-0166	EA L-Shield Wall Flange (JG Innovations Soffi-Steel)	50.36	16.05
	For Stainless Steel, Add	4.57	
10 26 23 13-0167	EA L-Shield Corner (JG Innovations Soffi-Steel)	125.05	19.26
	For Stainless Steel, Add	21.31	
10 26 23 13-0168	EA L-Shield End Cap (JG Innovations Soffi-Steel)	33.61	7.06
	For Stainless Steel, Add	4.87	
10 26 23 13-0169	EA L-Shield Clip (JG Innovations Soffi-Steel)	8.49	3.85
	For Stainless Steel, Add	0.20	

10 26 41 Bullet Resistant Panels (10 26)

10 26 41 00-0001	Laminated Bullet Resistant Fiberglass Panel (10 26 41) Note: Material consisting of multiple layers of woven roving ballistic grade fiberglass cloth impregnated with a thermoset polyester resin and compressed into rigid flat sheets.		
10 26 41 00-0002	SF 1/8" Thick Ballistic Resistant Fiberglass Panel, 1.2 Lb./SF	23.14	1.81
10 26 41 00-0003	SF 3/16" Thick Ballistic Resistant Fiberglass Panel, 2 Lb./SF	31.55	1.94
10 26 41 00-0004	SF 1/4" Thick Ballistic Resistant Fiberglass Panel, 2.4 To 2.6 Lb./SF	35.65	2.07
10 26 41 00-0005	SF 5/16" Thick Ballistic Resistant Fiberglass Panel, 3 To 3.6 Lb./SF	37.94	2.20
10 26 41 00-0006	SF 3/8" Thick Ballistic Resistant Fiberglass Panel, 3.6 To 3.9 Lb./SF	41.09	2.32
10 26 41 00-0007	SF 7/16" Thick Ballistic Resistant Fiberglass Panel, 4 To 4.9 Lb./SF	44.20	2.45
10 26 41 00-0008	SF 9/16" Thick Ballistic Resistant Fiberglass Panel, 5.5 To 6.6 Lb./SF	74.67	2.97
10 26 41 00-0009	SF 1-1/8" Thick Ballistic Resistant Fiberglass Panel, 11 To 11.7 Lb./SF	107.24	4.66
10 26 41 00-0010	SF 1-3/16" Thick Ballistic Resistant Fiberglass Panel, 12 To 13.2 Lb./SF	127.43	5.56
10 26 41 00-0011	SF 1-5/16" Thick Ballistic Resistant Fiberglass Panel, 13.4 To 14 Lb./SF	153.92	6.08
10 26 41 00-0012	SF 1-7/16" Thick Ballistic Resistant Fiberglass Panel, 15.2 To 16 Lb./SF	175.00	6.46

10 28 Toilet, Bath, and Laundry Accessories (10 20)

10 28 13 Toilet Accessories (10 28)

10 28 13 13	Commercial Toilet Accessories (10 28 13)		
10 28 13 13-0001	Toilet Accessories (10 28 13 13)		
10 28 13 13-0002	Dispensers (10 28 13 13-0001)		
10 28 13 13-0003	Paper Towel Dispensers (10 28 13 13-0002)		
10 28 13 13-0004	Stainless Steel Paper Towel Dispensers (10 28 13 13-0003)		
10 28 13 13-0005	EA Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Classic B-262)	118.25	28.87
10 28 13 13-0006	EA Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-2620)	125.88	28.87
10 28 13 13-0007	EA Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-2621)	127.01	28.87
10 28 13 13-0008	EA Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Classic B-26212)	129.20	28.87
10 28 13 13-0009	EA Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-263)	189.49	28.87
10 28 13 13-0010	EA Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Classic B-359)	205.44	28.87
10 28 13 13-0011	EA Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Contura B-4262)	222.41	28.87
10 28 13 13-0012	EA Countertop Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick TrimLine B-526)	226.18	12.83
10 28 13 13-0013	EA Concealed Cabinet, Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-318)	382.13	28.87
10 28 13 13-0014	EA Touch Free, Surface Mounted, Stainless Steel Roll Paper Towel Dispenser (Bobrick B-2860)	448.17	28.87
10 28 13 13-0015	EA Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-4369)	483.63	28.87
10 28 13 13-0016	EA Recessed Automated Touchless Towel Dispenser, Stainless (Georgia-Pacific enMotion® 59466)	279.93	28.87
10 28 13 13-0017	EA Stainless Steel Mounting Bracket For Wall Mounting enMotion Recessed Automated Touchless Towel Dispenser (Georgia-Pacific enMotion® 59476)	162.04	16.04
10 28 13 13-0018	Plastic Paper Towel Dispensers (10 28 13 13-0003)		
10 28 13 13-0019	EA Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Folded Paper Towel Dispenser (Bobrick Matrix B-5262)	92.24	28.87
10 28 13 13-0020	EA Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Roll Paper Towel Dispenser (Bobrick Matrix B-52860)	179.88	28.87
10 28 13 13-0021	EA Surface Mounted, Translucent Cover, Acrylonitrile Butadiene Styrene (ABS) Plastic Roll Paper Towel Dispenser (Bobrick B-72860)	178.70	28.87

10	10	Specialties
	10 20	Interior Specialties
	10 28	Toilet, Bath, and Laundry Accessories

		MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	10 28 13 13-0022	EA			Surface Mounted, Automated Touchless Towel Dispenser, Translucent Plastic (Georgia-Pacific enMotion® 59462)	153.50	28.87
	10 28 13 13-0023				Aluminum Paper Towel Dispensers (10 28 13 13-0003)		
	10 28 13 13-0024	EA			Surface Mounted, Heavy-Duty Aluminum Casting Roll Paper Towel Dispenser (Bobrick B-253)	99.88	28.87
	10 28 13 13-0025				Toilet Tissue Dispensers (10 28 13 13-0002)		
	10 28 13 13-0026				Plastic Toilet Tissue Dispensers (10 28 13 13-0005)		
	10 28 13 13-0027	EA			Two Roll, Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Toilet Tissue Dispenser (Bobrick B-5288)	91.96	28.87
	10 28 13 13-0028	EA			Two Jumbo Roll, Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Toilet Tissue Dispenser (Georgia Pacific 58250)	113.89	28.87
	10 28 13 13-0029	EA			Vertical Double Roll, Surface Mounted, Translucent Plastic Steel Coreless Toilet Tissue Dispenser (Georgia-Pacific Compact® 56760)	80.88	28.87
	10 28 13 13-0030	EA			Side By Side Double Roll, Surface Mounted, Translucent Plastic Toilet Tissue Dispenser (Georgia-Pacific Compact® 56784)	93.89	28.87
	10 28 13 13-0031				Cast Aluminum Toilet Tissue Dispensers (10 28 13 13-0025)		
	10 28 13 13-0032	EA			Single Roll Without Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-2730)	84.05	28.87
	10 28 13 13-0033	EA			Single Roll With Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-273)	84.61	28.87
	10 28 13 13-0034	EA			Two Roll Without Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-2740)	88.57	28.87
	10 28 13 13-0035	EA			Two Roll With Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-274)	95.92	28.87
	10 28 13 13-0036	EA			Two Roll Without Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-27460)	123.05	28.87
	10 28 13 13-0037				Stainless Steel Toilet Tissue Dispensers (10 28 13 13-0025)		
	10 28 13 13-0038	EA			Single Roll, Surface Mounted, Vandal Resistant, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-264)	73.02	28.87
	10 28 13 13-0039	EA			Double Roll, Surface Mounted, Toilet Tissue Dispenser With Utility Shelf (Bobrick B-540)	189.79	28.87
	10 28 13 13-0040	EA			Single Roll, Surface Mounted, Stainless Steel, Toilet Tissue Dispenser (Bobrick B-543)	114.72	28.87
	10 28 13 13-0041	EA			Single Roll, Recessed Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-663)	109.77	28.87
	10 28 13 13-0042	EA			Single Roll, Surface Mounted, Stainless Steel, Bright Polished Finish, Toilet Tissue Dispenser (Bobrick B-685)	118.39	28.87
	10 28 13 13-0043	EA			Double Roll, Surface Mounted, Stainless Steel, Bright Polished Finish, Toilet Tissue Dispenser (Bobrick B-686)	152.62	32.08
	10 28 13 13-0044	EA			Single Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser (Bobrick B-6857)	118.39	28.87
	10 28 13 13-0045	EA			Double Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser (Bobrick B-6867)	152.62	28.87
	10 28 13 13-0046	EA			Single Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser With Hood (Bobrick B-66997)	163.62	28.87
	10 28 13 13-0047	EA			Double Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser With Hoods (Bobrick B-6999)	249.94	28.87
	10 28 13 13-0048	EA			Double Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser With Hoods (Bobrick B-6997)	249.94	28.87
	10 28 13 13-0049	EA			Single Jumbo Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-2890)	109.95	28.87
	10 28 13 13-0050	EA			Single Fold/Double Fold, Surface Mounted, Stainless Steel Toilet Tissue Cabinet (Bobrick B-272)	127.29	28.87
	10 28 13 13-0051	EA			Two Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-265)	83.47	28.87
	10 28 13 13-0052	EA			Two Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-2888)	136.06	28.87
	10 28 13 13-0053	EA			Two Roll, Recessed Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-3888)	189.89	28.87
	10 28 13 13-0054	EA			Two Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Contura B-4288)	196.28	28.87
	10 28 13 13-0055	EA			Two Roll, Recessed Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Contura B-4388)	248.14	28.87
	10 28 13 13-0056	EA			Two Jumbo Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-2892)	228.15	28.87
	10 28 13 13-0057	EA			Four Roll, Partition Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-386)	352.12	28.87
					Note: Mounts centered through toilet partitions.		
	10 28 13 13-0058	EA			Multi-Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser With Shelf (Bobrick B-2840)	155.29	28.87
	10 28 13 13-0059	EA			Vertical Double Roll, Surface Mounted, Stainless Steel Coreless Toilet Tissue Dispenser (Georgia-Pacific Compact® 56782)	144.23	28.87
	10 28 13 13-0060	EA			Side By Side Double Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Georgia-Pacific Compact® 56796)	118.00	28.87
	10 28 13 13-0061	EA			Two Roll, Recessed Mount, Stainless Steel Toilet Tissue Dispenser (Gamco TTD-9)	928.39	44.92
					For Owner Furnished Material, Deduct	-838.55	
	10 28 13 13-0062				Soap or Sanitizer Dispensers (10 28 13 13-0002)		
	10 28 13 13-0063	EA			20 Fluid Ounce, 4" Spout, Top-Filling Lavatory Mounted, Chrome Plated Soap Dispenser (Bobrick B-8221)	108.36	28.87
					For 34 Fluid Ounce (B-822), Add	5.14	
	10 28 13 13-0064	EA			20 Fluid Ounce, 6" Spout, Top-Filling Lavatory Mounted, Chrome Plated Soap Dispenser (Bobrick B-82216)	116.84	28.87
					For 34 Fluid Ounce (B-822), Add	5.14	
	10 28 13 13-0065	EA			24 Fluid Ounce, Surface Mounted, Translucent Polyethylene Soap Dispenser (Bobrick B-156)	76.13	28.87
	10 28 13 13-0066	EA			24 Fluid Ounce, Surface Mounted, Chrome-Plated, Translucent Polyethylene Soap Dispenser (Bobrick B-155)	82.06	28.87
	10 28 13 13-0067	EA			40 Fluid Ounce, Concealed Surface Mounted, Translucent Soap Dispenser (Bobrick B-40)	99.24	28.87
	10 28 13 13-0068	EA			40 Fluid Ounce, Surface Mounted, Translucent Plastic Soap Dispenser (Bobrick Classic B-42)	101.69	28.87
	10 28 13 13-0069	EA			40 Fluid Ounce, Surface Mounted, Stainless Steel Soap Dispenser (Bobrick Classic B-2111/2112)	110.05	28.87
	10 28 13 13-0070	EA			40 Fluid Ounce, Surface Mounted, Stainless Steel Soap Dispenser (Bobrick Contura B-4112)	136.91	28.87
	10 28 13 13-0071	EA			45 Fluid Ounce, Recessed Mounted, Stainless Steel Soap Dispenser (Bobrick B-306)	229.19	28.87
	10 28 13 13-0072	EA			50 Fluid Ounce, Recessed Mounted, Stainless Steel Soap Dispenser (Bobrick Contura B-4063)	359.51	28.87
	10 28 13 13-0073	EA			800 ml, Lavatory Mounted, Chrome Plated Automatic Soap Dispenser (Bobrick B-826.18)	226.73	28.87
					Note: Includes start-up kit.		
	10 28 13 13-0074				Sanitizer Dispensers (10 28 13 13-0002)		
	10 28 13 13-0075				Manual Sanitizer Dispensers (10 28 13 13-0074)		
	10 28 13 13-0076	EA			1,200 ml, Wall Mounted, Plastic, Manual Operation Liquid Hand Sanitizer Dispenser (Purell 5020-01)	88.48	28.87
	10 28 13 13-0077	EA			1,200 ml, Wall Mounted, Plastic, Manual Operation Foam Hand Sanitizer Dispenser (Purell 4510-00)	89.69	28.87

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0078	EA	1,250 ml, Wall Mounted, Plastic, Manual Operation Gel Hand Sanitizer Dispenser (Purell 8824-06-UV).....	89.31	28.87
10 28 13 13-0079 Automatic Sanitizer Dispensers (10 28 13 13-0074)				
10 28 13 13-0080	EA	1,000 ml, Wall Mounted, Plastic, Automatic Operation Liquid Hand Sanitizer Dispenser (Clorox 30242-EA)	83.32	28.87
10 28 13 13-0081	EA	1,200 ml, Wall Mounted, Plastic, Automatic Operation Liquid Hand Sanitizer Dispenser (Purell 6420-01 ES6).....	105.93	28.87
10 28 13 13-0082	EA	1,200 ml, Wall Mounted, Plastic, Automatic Operation Gel Hand Sanitizer Dispenser (Purell 6520-01 CS6).....	100.29	28.87
10 28 13 13-0083	EA	1,200 ml, Wall Mounted, Plastic, Automatic Operation Liquid Hand Sanitizer Dispenser (Purell 7720-01 ES8).....	107.20	28.87
10 28 13 13-0084	EA	1,000/1,200 ml, Wall Mounted, Plastic, Automatic Operation Foam/Gel Hand Sanitizer Dispenser (Georgia-Pacific enMotion® Gen2 Hygiene Series 52058).....	122.17	28.87
10 28 13 13-0085	EA	2,000 ml, Wall Mounted, Plastic, Automatic Operation Liquid Hand Sanitizer Dispenser (Purell 5240-06).....	122.88	28.87
10 28 13 13-0086 Automatic Floor Stand Sanitizer Dispensers (10 28 13 13-0074)				
10 28 13 13-0087	EA	1,000 ml, Floor Stand, Metal, Automatic Operation Liquid Hand Sanitizer Dispenser (Purell Elite LTX™ 2456-DS).....	575.76	9.62
10 28 13 13-0088	EA	1,200 ml, Floor Stand, ABS Plastic, Automatic Operation Foam/Gel Hand Sanitizer Dispenser (Purell 7308-DS-SLV)	619.05	9.62
10 28 13 13-0089	EA	1,200 ml, Floor Stand, Aluminum and Polypropylene, Automatic Operation Liquid Hand Sanitizer Dispenser (Purell 2454-DS02).....	643.25	9.62
10 28 13 13-0090 Facial Tissue Dispensers (10 28 13 13-0002)				
10 28 13 13-0091	EA	Surface Mounted, Stainless Steel Facial Tissue Dispenser (Bobrick B-8397).....	123.63	28.87
10 28 13 13-0092	EA	Recessed Mounted, Stainless Steel Facial Tissue Dispenser (Gamco 355)	91.44	28.87
10 28 13 13-0093 Sanitary Toilet Seat Cover Dispensers (10 28 13 13-0002)				
10 28 13 13-0094	EA	Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Sanitary Seat-Cover Dispenser (Bobrick Matrix B-5221)	74.99	28.87
10 28 13 13-0095	EA	Surface Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick Classic B-221)	97.33	28.87
10 28 13 13-0096	EA	Surface Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick Contura B-4221)	167.73	28.87
10 28 13 13-0097	EA	Recessed Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick Classic B-301)	177.46	28.87
10 28 13 13-0098	EA	Recessed Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick TrimLine B-3013)	341.14	28.87
10 28 13 13-0099 Sanitary Toilet Seat Cover/Toilet Tissue Dispensers (10 28 13 13-0002)				
10 28 13 13-0100	EA	Surface Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick Classic B-3479)	537.07	28.87
10 28 13 13-0101	EA	Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick B-34745)	331.45	28.87
10 28 13 13-0102 Sanitary Napkin/Tampon Dispensers (10 28 13 13-0002)				
10 28 13 13-0103	EA	Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Bobrick B-370639C).....	661.34	28.87
10 28 13 13-0104	EA	Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Gamco B-282 25).....	504.71	28.87
10 28 13 13-0105	EA	Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Vending (Bobrick B-2706).....	669.96	28.87
10 28 13 13-0106	EA	Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Bobrick Classic B-352 25)	510.48	28.87
10 28 13 13-0107	EA	Recessed Mounted, Single Coin Operation, Stainless Steel, Sanitary Napkin/Tampon Vendor (Gamco NV-2-4)	449.91	28.87
10 28 13 13-0108	EA	Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Bradley 401-45).....	587.99	28.87
10 28 13 13-0109 Toilet Compartment Combination Dispenser/Disposals (10 28 13 13-0002)				
10 28 13 13-0110	EA	Side Wall Recessed Mounted, Stainless Steel Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-3094)	477.87	64.17
10 28 13 13-0111	EA	Side Wall Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick B-3474).....	531.76	64.17
10 28 13 13-0112	EA	Side Wall Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-35745).....	443.62	64.17
10 28 13 13-0113	EA	Side Wall Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-3574).....	618.28	64.17
10 28 13 13-0114	EA	Partition Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick B-347).....	634.95	64.17
10 28 13 13-0115	EA	Partition Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-357).....	727.97	64.17
10 28 13 13-0116	EA	Surface Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-3579).....	683.48	64.17
10 28 13 13-0117 Receptacles (10 28 13 13-0001)				
10 28 13 13-0118 Wall Mounted Waste Receptacles (10 28 13 13-0117)				
10 28 13 13-0119	EA	1-1/2 Gallon, Surface Mounted, Stainless Steel Facial Tissue Waste Receptacle (Gamco WR-3)	110.01	28.87
10 28 13 13-0120	EA	6.4 Gallon, Surface Mounted, Stainless Steel Waste Receptacle (Bobrick B-279).....	177.90	28.87
10 28 13 13-0121	EA	12 Gallon, 4" Wall Recess, Stainless Steel Waste Receptacle (Bobrick Classic B-3644)	410.49	64.17
10 28 13 13-0122	EA	12 Gallon, 4" Wall Recess, Stainless Steel Waste Receptacle (Bobrick Contura B-43644)	601.60	64.17
10 28 13 13-0123	EA	20 Gallon, Surface Mounted, Stainless Steel Waste Receptacle (Bobrick B-275).....	479.75	64.17
10 28 13 13-0124 Floor-Standing/Counter Waste Receptacles (10 28 13 13-0117)				
10 28 13 13-0125	EA	5-7/8" Inside Diameter, 3-7/8" Deep, Countertop-Mounted, Stainless Steel Waste Chute (Bobrick B-532)	128.57	28.87
10 28 13 13-0126	EA	5-7/16" Inside Diameter, 5" Deep, Countertop-Mounted, Stainless Steel Waste Chute (Bobrick B-529).....	181.01	28.87
10 28 13 13-0127	EA	13 Gallon, Open Top, Stainless Steel Floor Standing Waste Receptacle (Bobrick B-2260).....	334.76	12.83
10 28 13 13-0128	EA	13 Gallon, Swing-Top, Stainless Steel Floor-Standing Waste Receptacle (Bobrick B-2250)	504.96	12.83
10 28 13 13-0129	EA	18 Gallon, Open Top, Stainless Steel Floor-Standing Waste Receptacle (Bobrick B-2300).....	473.24	12.83
10 28 13 13-0130	EA	21 Gallon, Open Top, Stainless Steel Standing Waste Receptacle (Bobrick B-2280).....	455.20	12.83
10 28 13 13-0131 Combination Paper Towel Dispenser/ Waste Receptacle (10 28 13 13-0117)				

10	10	Specialties
	10 20	Interior Specialties
	10 28	Toilet, Bath, and Laundry Accessories



MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
10 28 13 13-0132	EA	2 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-369)	342.64		64.17
10 28 13 13-0133	EA	2.6 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Contura B-4369).....	541.38		64.17
10 28 13 13-0134	EA	2 Gallon, Recess Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3944)	533.47		64.17
10 28 13 13-0135	EA	12 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3900)	768.26		64.17
10 28 13 13-0136	EA	12 Gallon, Semi-Recess Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3909)	1,051.73		64.17
10 28 13 13-0137	EA	12 Gallon, Recessed Mounted, Stainless Steel Combination Roll Towel Dispenser/Waste Receptacle (Bobrick Classic B-3961)	891.38		64.17
10 28 13 13-0138	EA	12 Gallon, Surface Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3949)	690.68		64.17
10 28 13 13-0139	EA	12 Gallon, Surface Mounted, Stainless Steel Combination Roll Towel Dispenser/Waste Receptacle (Bobrick Classic B-39619)	1,109.06		64.17
10 28 13 13-0140	EA	16 Gallon, Semi-Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Contura B-43944)	1,028.32		70.59
10 28 13 13-0141	EA	18 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3947)	696.98		70.59
10 28 13 13-0142	Sanitary Napkin/Tampon Receptacles (10 28 13 13-0117)				
10 28 13 13-0143	EA	Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Contura B-270)	102.90		32.08
10 28 13 13-0144	EA	Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-254).....	196.15		32.08
10 28 13 13-0145	EA	Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-353)	212.59		32.08
10 28 13 13-0146	EA	Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-35303)	484.56		32.08
10 28 13 13-0147	EA	Partition Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-354)	261.21		32.08
10 28 13 13-0148	EA	Partition Mounted, Stainless Steel Sanitary Napkin Disposal (Bobrick Contura B-4354).....	450.92		32.08
10 28 13 13-0149	Grab Bars (10 28 13 13-0001)				
10 28 13 13-0150	1-1/4" Diameter, Stainless Steel Grab Bars (10 28 13 13-0149)				
Note: Includes satin finish and concealed mounting with snap flange.					
10 28 13 13-0151	EA	12" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Gamco 125sx12)	99.87		25.66
		For Peened Grip, Add	4.95		
10 28 13 13-0152	EA	18" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x18)	113.92		25.66
		For Peened Grip, Add	6.21		
10 28 13 13-0153	EA	24" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x24)	115.33		25.66
		For Peened Grip, Add	6.34		
10 28 13 13-0154	EA	30" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x30)	115.99		25.66
		For Peened Grip, Add	6.40		
10 28 13 13-0155	EA	36" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x36)	116.17		25.66
		For Peened Grip, Add	6.41		
10 28 13 13-0156	EA	42" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x42)	119.57		25.66
		For Peened Grip, Add	6.72		
10 28 13 13-0157	EA	48" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x48)	124.93		25.66
		For Peened Grip, Add	7.20		
10 28 13 13-0158	1-1/4" Diameter, Two Wall, Stainless Steel Grab Bars (10 28 13 13-0149)				
Note: Includes satin finish and concealed mounting with snap flange.					
10 28 13 13-0159	EA	24" x 36", Two Wall, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-58616)	187.91		25.66
		For Peened Grip, Add	12.29		
10 28 13 13-0160	EA	36" x 54", Two Wall, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5837)	191.57		25.66
		For Peened Grip, Add	12.62		
10 28 13 13-0161	1-1/2" Diameter, Stainless Steel Grab Bars (10 28 13 13-0149)				
Note: Includes satin finish and concealed mounting with snap flange.					
10 28 13 13-0162	EA	12" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x12)	112.74		25.66
		For Peened Grip, Add	6.10		
10 28 13 13-0163	EA	18" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x18)	113.92		25.66
		For Peened Grip, Add	6.21		
10 28 13 13-0164	EA	24" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x24)	116.17		25.66
		For Peened Grip, Add	6.41		
10 28 13 13-0165	EA	30" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x30)	118.44		25.66
		For Peened Grip, Add	6.62		
10 28 13 13-0166	EA	36" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x36)	121.26		25.66
		For Peened Grip, Add	6.87		
10 28 13 13-0167	EA	42" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x42)	123.81		25.66
		For Peened Grip, Add	7.10		
10 28 13 13-0168	EA	48" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x48)	130.03		25.66
		For Peened Grip, Add	7.66		
10 28 13 13-0169	1-1/2" Diameter, Two Wall, Stainless Steel Grab Bars (10 28 13 13-0149)				
Note: Includes satin finish and concealed mounting with snap flange.					
10 28 13 13-0170	EA	16" x 31", Two Wall, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6861)	172.63		25.66
		For Peened Grip, Add	10.92		
10 28 13 13-0171	EA	24" x 36", Two Wall, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-68616)	184.80		25.66
		For Peened Grip, Add	12.01		
10 28 13 13-0172	EA	36" x 54", Two Wall, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-68137)	161.89		25.66
		For Peened Grip, Add	9.95		

			Specialties	10	10
			Interior Specialties	10 20	
			Toilet, Bath, and Laundry Accessories	10 28	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

10 28 13 13-0173					
1-1/4" Diameter, Stainless Steel Swing Up Grab Bars (10 28 13 13-0149)					
Note: Includes satin finish and mounting for swing up.					
10 28 13 13-0174	EA	29"	Length, 1-1/4" Diameter, Stainless Steel Swing Up Grab Bar (Bobrick B-4998)	487.09	25.66
			For Peened Grip, Add	39.80	
10 28 13 13-0175					
Shelves (10 28 13 13-0001)					
10 28 13 13-0176	EA	5"	Width x 16" Length, Stainless Steel Shelf (Bobrick B-295)	130.40	28.87
10 28 13 13-0177	EA	5"	Width x 18" Length, Stainless Steel Shelf (Bobrick B-295)	133.80	28.87
10 28 13 13-0178	EA	5"	Width x 24" Length, Stainless Steel Shelf (Bobrick B-295)	149.35	28.87
10 28 13 13-0179	EA	5"	Width x 36" Length, Stainless Steel Shelf (Gamco S-5x36)	153.26	28.87
10 28 13 13-0180	EA	6"	Width x 18" Length, Stainless Steel Shelf (Bobrick B-296)	147.10	28.87
10 28 13 13-0181	EA	6"	Width x 24" Length, Stainless Steel Shelf (Gamco S-6x24)	148.94	28.87
10 28 13 13-0182	EA	8"	Width x 18" Length, Stainless Steel Shelf (Bobrick B-298)	158.11	28.87
10 28 13 13-0183	EA	8"	Width x 24" Length, Stainless Steel Shelf (Bobrick B-298)	171.39	28.87
10 28 13 13-0184	EA	8"	Width x 36" Length, Stainless Steel Shelf (Gamco S-8x36)	199.47	28.87
10 28 13 13-0185	EA	5-3/4"	Width x 14-1/2" Length, Folding Stainless Steel Utility Shelf (Bobrick B-287)	158.39	28.87
10 28 13 13-0186	EA	4-3/4"	Width x 24" Length, Stainless Steel Toiletary Shelf (Bobrick B-683)	161.22	28.87
10 28 13 13-0187	EA	12"	Width x 24" Length, Stainless Steel Shelf (Bradley 7512-24)	197.84	28.87
10 28 13 13-0188	EA	12"	Width x 30" Length, Stainless Steel Shelf (Bradley 7512-30)	210.08	28.87
10 28 13 13-0189	EA	12"	Width x 36" Length, Stainless Steel Shelf (Bradley 7512-36)	228.97	28.87
10 28 13 13-0190	EA	12"	Width x 48" Length, Stainless Steel Shelf (Bradley 7512-48)	280.36	28.87
10 28 13 13-0191	EA	12"	Width x 60" Length, Stainless Steel Shelf (Bradley 7512-60)	374.00	28.87
10 28 13 13-0192	EA	4-1/4"	Width x 16-1/2" Length x 6-1/2" Height, Recessed Stainless Steel Shelf (American Specialties 0412)	176.44	28.87
10 28 13 13-0193					
Changing Stations (10 28 13 13-0001)					
10 28 13 13-0194	EA		Horizontal, Wall-Mounted, Polyethylene Baby Changing Station (Gamco BCS-1)	472.98	38.51
10 28 13 13-0195	EA		Vertical, Wall-Mounted, Polyethylene Baby Changing Station (Bobrick Koala Care KB101-00)	500.28	38.51
10 28 13 13-0196	EA		Horizontal, Wall-Mounted, Polypropylene Baby Changing Station (Bobrick Koala Care KB200-00)	415.75	38.51
10 28 13 13-0197	EA		Horizontal, Recessed Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB110-SSRE)	1,962.02	38.51
10 28 13 13-0198	EA		Horizontal, Wall-Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB110-SSWM)	2,280.98	38.51
10 28 13 13-0199	EA		Vertical, Recessed Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB111-SSRE)	1,962.02	38.51
10 28 13 13-0200	EA		Vertical, Wall-Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB111-SSWM)	2,280.98	38.51
10 28 13 13-0201					
Folding Shower Seats (10 28 13 13-0001)					
10 28 13 13-0202	EA	33"	Width, Wall-Mounted, Reversible, Folding, Stainless Steel Hardware, Solid Phenolic Shower Seat (Bobrick B-5181)	597.64	51.34
10 28 13 13-0203	EA	33"	Width, Wall-Mounted, Foam Padded, Naugahyde® Folding Shower Seat (Bobrick B-517/518)	775.75	51.34
10 28 13 13-0204	EA	30"	Width, Wall-Mounted, Teakwood Folding Shower Seat	2,650.61	51.34
10 28 13 13-0205	EA	33-1/2"	Width, Wall-Mounted, Stainless Steel, Americans With Disabilities Act Compliant Folding Shower Seat, (Acorn Shower-Ware 1103-31/1103-32)	3,872.32	
10 28 13 13-0206					
Soap/Dish Holders (10 28 13 13-0001)					
10 28 13 13-0207	EA		Surface Mounted, Stainless Steel Toothbrush and Tumbler Holder (Gamco 7679)	69.99	28.87
10 28 13 13-0208	EA		Surface Mounted, Stainless Steel Soap Dish (Gamco 7680)	71.96	28.87
10 28 13 13-0209	EA		Recessed Mounted, Stainless Steel Soap Dish (Bobrick B-4380)	122.89	28.87
10 28 13 13-0210	EA		Recessed Mounted, Stainless Steel Soap Dish And Bar (Bobrick B-4390)	132.79	28.87
10 28 13 13-0211					
Shower Curtains/Curtain Rods (10 28 13 13-0001)					
10 28 13 13-0212	EA		Stainless Steel Shower Curtain Hook (Bobrick B-204-1)	3.44	1.29
10 28 13 13-0213	EA	42"	Width x 72" Height, Vinyl Shower Curtain (Bobrick B-204-2)	54.22	12.83
Note: Requires 7 curtain hooks.					
10 28 13 13-0214	EA	70"	Width x 72" Height, Vinyl Shower Curtain (Bobrick B-204-3)	56.63	12.83
Note: Requires 12 curtain hooks.					
10 28 13 13-0215	EA	36"	Length, 20 Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207)	97.61	28.87
10 28 13 13-0216	EA	48"	Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207)	103.84	28.87
10 28 13 13-0217	EA	60"	Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207)	111.47	28.87
10 28 13 13-0218	EA	72"	Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207)	120.80	28.87
10 28 13 13-0219	EA	36"	Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x36)	86.87	28.87
10 28 13 13-0220	EA	48"	Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x48)	94.22	28.87
10 28 13 13-0221	EA	60"	Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x60)	98.46	28.87
10 28 13 13-0222	EA	72"	Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x72)	103.84	28.87
10 28 13 13-0223	EA	36"	Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047)	89.98	28.87
10 28 13 13-0224	EA	48"	Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047)	96.20	28.87
10 28 13 13-0225	EA	60"	Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047)	103.54	28.87
10 28 13 13-0226	EA	72"	Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047)	108.64	28.87
10 28 13 13-0227					
Hand Dryers (10 28 13 13-0001)					
10 28 13 13-0228	EA		Surface Mounted, Automatic Sensor, One Piece Plastic Cover Hand Dryer (Bobrick CompacDryer B-710)	530.59	29.40
10 28 13 13-0229	EA		Surface Mounted, Automatic Sensor, Cast Aluminum Cover Hand Dryer (Bobrick B-7120-115V)	572.13	29.40
10 28 13 13-0230	EA		Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (Bobrick B-7128 230V)	634.90	29.40
10 28 13 13-0231	EA		Recessed Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (Bobrick B-750-115/230)	902.85	29.40
10 28 13 13-0232	EA		Surface Mounted, Touch-Button, Cast-Iron Cover Hand Dryer (World Dryer A)	588.78	29.40
10 28 13 13-0233	EA		Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (World Dryer A)	652.28	29.40
10 28 13 13-0234	EA		Surface Mounted, Touch-Button, Cast-Iron Cover Hand/Hair Dryer (American Dryer A60)	2,933.90	29.40
10 28 13 13-0235	EA		Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand/Hair Dryer (American Dryer A60T)	3,057.22	29.40
10 28 13 13-0236	EA		Recessed Mounted, Automatic Sensor, Cast-Iron Cover Hand/Hair Dryer (American Dryer A60TR)	3,188.76	29.40
10 28 13 13-0237	EA		Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (Excel Xlerator XL-GR)	736.54	29.40
10 28 13 13-0238	EA		Surface Mounted, Automatic Sensor, 22 Gauge Steel Cover Hand Dryer (Bobrick B-7120)	475.50	29.40

10	10	Specialties
	10 20	Interior Specialties
	10 28	Toilet, Bath, and Laundry Accessories



MINOR				TOTAL DIRECT		DEMOLITION	
CSI UOM DESCRIPTION				UNIT COST		UNIT COST	
10 28 13 13-0239	EA	Surface Mounted, Automatic Sensor, 18 Gauge Stainless Steel Cover Hand Dryer (Bobrick B-7128-115V).....	546.52		29.40		
10 28 13 13-0240	EA	Recessed Mounted, Automatic Sensor, Cast-Iron Cover Hand/Hair Dryer (World Dryer RA)	567.04		29.40		
10 28 13 13-0241	EA	Recessed Mounted, Automatic Sensor, Cast-Iron Cover Hand/Hair Dryer (World Dryer XRA)	602.05		29.40		
10 28 13 13-0242	EA	Recessed Mounted, Automatic Sensor, Stainless Steel Cover Hand/Hair Dryer (World Dryer DXRA)	694.23		29.40		
10 28 13 13-0243	EA	Surface Mounted, Automatic Sensor, Acrylonitrile Butadiene Styrene (ABS) Polycarbonate Cover Hand Dryer (Dyson Airblade AB12)	1,791.05		29.40		
10 28 13 13-0244	EA	Surface Mounted, Automatic Sensor, Acrylonitrile Butadiene Styrene (ABS) Polycarbonate Cover Hand Dryer (Dyson Airblade AB14)	3,025.59		29.40		
10 28 13 13-0245	EA	Surface Mounted, Automatic Sensor, White ABS Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9)	1,320.60		29.40		
		Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.					
10 28 13 13-0246	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-M)	1,395.29		29.40		
		Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.					
10 28 13 13-0247	EA	Surface Mounted, Automatic Sensor, Black Graphite Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-BG)	1,437.97		29.40		
		Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.					
10 28 13 13-0248	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-C).....	1,480.65		29.40		
		Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.					
10 28 13 13-0249	EA	Surface Mounted, Automatic Sensor, Stainless Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-SS).....	1,566.00		29.40		
		Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.					
10 28 13 13-0250	EA	Surface Mounted, Automatic Sensor, White ABS Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9)	1,064.54		29.40		
		Note: Electronically adjustable sound and speed.					
10 28 13 13-0251	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-M)	1,139.22		29.40		
		Note: Electronically adjustable sound and speed.					
10 28 13 13-0252	EA	Surface Mounted, Automatic Sensor, Black Graphite Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-BG).....	1,181.90		29.40		
		Note: Electronically adjustable sound and speed.					
10 28 13 13-0253	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-C)	1,224.58		29.40		
		Note: Electronically adjustable sound and speed.					
10 28 13 13-0254	EA	Surface Mounted, Automatic Sensor, Stainless Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-SS).....	1,309.94		29.40		
		Note: Electronically adjustable sound and speed.					
10 28 13 13-0255	EA	Surface Mounted, Automatic Sensor, White ABS Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7)	1,064.54		29.40		
		Note: Electronically adjustable sound and speed.					
10 28 13 13-0256	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-M)	1,139.22		29.40		
		Note: Electronically adjustable sound and speed.					
10 28 13 13-0257	EA	Surface Mounted, Automatic Sensor, Black Graphite Finish Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-BG)	1,181.90		29.40		
		Note: Electronically adjustable sound and speed.					
10 28 13 13-0258	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-C).....	1,224.58		29.40		
		Note: Electronically adjustable sound and speed.					
10 28 13 13-0259	EA	Surface Mounted, Stainless Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7- SS).....	1,309.94		29.40		
		Note: Electronically adjustable sound and speed.					
10 28 13 13-0260	EA	Surface Mounted, Automatic Sensor, White ABS Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90)	765.79		29.40		
10 28 13 13-0261	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-M)	840.48		29.40		
10 28 13 13-0262	EA	Surface Mounted, Automatic Sensor, Black Graphite Finish Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-BG)	883.16		29.40		
10 28 13 13-0263	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-C).....	925.83		29.40		
10 28 13 13-0264	EA	Surface Mounted, Stainless Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-SS).....	1,011.19		29.40		
10 28 13 13-0265	EA	Surface Mounted, Automatic Sensor, White ABS Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90H).....	765.79		29.40		
10 28 13 13-0266	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-MH).....	840.48		29.40		
10 28 13 13-0267	EA	Surface Mounted, Automatic Sensor, Black Graphite Finish Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-BGH)	883.16		29.40		
10 28 13 13-0268	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-CH)	925.83		29.40		
10 28 13 13-0269	EA	Surface Mounted, Automatic Sensor, Stainless Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-SSH)	1,011.19		29.40		
10 28 13 13-0270	EA	Surface Mounted, Automatic Sensor, ABS Cover, Hand Dryer (American Dryer GX1)	552.40		29.40		
10 28 13 13-0271	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Hand Dryer (American Dryer GX1-M)	627.09		29.40		
10 28 13 13-0272	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Hand Dryer (American Dryer GX1-C).....	712.44		29.40		
10 28 13 13-0273		Hand Dryers (Excel XLERATOR®) (10 28 13 13-0001)					
		Note: With or without noise reduction nozzle options.					
10 28 13 13-0274	EA	Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-W)	1,094.42		29.40		
		For ADA-Compliant Recess Kit, Add	170.09				
10 28 13 13-0275	EA	Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-WH).....	1,547.17		29.40		
		For ADA-Compliant Recess Kit, Add	170.09				
10 28 13 13-0276	EA	Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-GR)	1,286.67		29.40		
		For ADA-Compliant Recess Kit, Add	170.09				

			Specialties	10
			Interior Specialties	10 20
			Toilet, Bath, and Laundry Accessories	10 28

MINOR		CSI UOM DESCRIPTION		TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
10 28 13 13-0277	EA	Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel Xlerator XL-GRH).....	1,612.30	29.40	
		For ADA-Compliant Recess Kit, Add	170.09		
10 28 13 13-0278	EA	Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-C).....	1,384.36	29.40	
		For ADA-Compliant Recess Kit, Add	170.09		
10 28 13 13-0279	EA	Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-CH).....	1,709.99	29.40	
		For ADA-Compliant Recess Kit, Add	170.09		
10 28 13 13-0280	EA	Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, Hand Dryer (Excel XLERATOR® XL-SB).....	1,384.36	29.40	
		For ADA-Compliant Recess Kit, Add	170.09		
10 28 13 13-0281	EA	Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-SBH).....	1,709.99	29.40	
		For ADA-Compliant Recess Kit, Add	170.09		
10 28 13 13-0282	EA	Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-SP).....	1,286.67	29.40	
		For ADA-Compliant Recess Kit, Add	170.09		
10 28 13 13-0283	EA	Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-SPH).....	1,612.30	29.40	
		For ADA-Compliant Recess Kit, Add	170.09		
10 28 13 13-0284	EA	Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), Hand Dryer (Excel XLERATOR® XL-BW).....	1,156.42	29.40	
		For ADA-Compliant Recess Kit, Add	170.09		
10 28 13 13-0285	EA	Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-BWH).....	1,482.05	29.40	
		For ADA-Compliant Recess Kit, Add	170.09		
10 28 13 13-0286	EA	Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-W-ECO).....	1,094.42	29.40	
		For ADA-Compliant Recess Kit, Add	170.09		
10 28 13 13-0287	EA	Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-WH-ECO).....	1,547.17	29.40	
		For ADA-Compliant Recess Kit, Add	170.09		
10 28 13 13-0288	EA	Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-GR-ECO).....	1,286.67	29.40	
		For ADA-Compliant Recess Kit, Add	170.09		
10 28 13 13-0289	EA	Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-GRH-ECO).....	1,612.30	29.40	
		For ADA-Compliant Recess Kit, Add	170.09		
10 28 13 13-0290	EA	Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-C-ECO).....	1,384.36	29.40	
		For ADA-Compliant Recess Kit, Add	170.09		
10 28 13 13-0291	EA	Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-CH-ECO).....	1,709.99	29.40	
		For ADA-Compliant Recess Kit, Add	170.09		
10 28 13 13-0292	EA	Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-SB-ECO).....	1,384.36	29.40	
		For ADA-Compliant Recess Kit, Add	170.09		
10 28 13 13-0293	EA	Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-SBH-ECO).....	1,709.99	29.40	
		For ADA-Compliant Recess Kit, Add	170.09		
10 28 13 13-0294	EA	Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-SP-ECO).....	1,286.67	29.40	
		For ADA-Compliant Recess Kit, Add	170.09		
10 28 13 13-0295	EA	Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-SPH-ECO).....	1,612.30	29.40	
		For ADA-Compliant Recess Kit, Add	170.09		
10 28 13 13-0296	EA	Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), No Heat Hand Dryer (Excel XLERATOReco® XL-BW-ECO).....	1,156.42	29.40	
		For ADA-Compliant Recess Kit, Add	170.09		
10 28 13 13-0297	EA	Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-BWH-ECO).....	1,482.05	29.40	
		For ADA-Compliant Recess Kit, Add	170.09		
10 28 13 13-0298	Additional Accessories (10 28 13 13-0001)				
10 28 13 13-0299	Hooks (10 28 13 13-0298)				
10 28 13 13-0300	EA	Stainless Steel Clothes Hook And Bumper (Bobrick B-212).....	34.99	12.83	
10 28 13 13-0301	EA	Single Stainless Steel Robe Hook (Bobrick B-233).....	41.21	12.83	
10 28 13 13-0302	EA	Single Stainless Steel Robe Hook (Bobrick B-7671).....	35.55	12.83	
10 28 13 13-0303	EA	Double Stainless Steel Robe Hook (Bobrick B-7672).....	38.33	12.83	
10 28 13 13-0304	EA	Double Stainless Steel Robe Hook (Bobrick B-672 or B-6727).....	61.56	12.83	
10 28 13 13-0305	EA	Single Stainless Steel Robe Hook (Bobrick B-6717).....	55.90	12.83	
10 28 13 13-0306	Clotheslines (10 28 13 13-0298)				
10 28 13 13-0307	EA	Surface Mounted, Stainless Steel Retractable Clothesline (Gamco 7636).....	61.18	25.66	
10 28 13 13-0308	Towel Bars (10 28 13 13-0298)				
10 28 13 13-0309	EA	18" Length, 3/4" Square, Stainless Steel Towel Bar (Gamco 7673x18).....	75.69	28.87	
10 28 13 13-0310	EA	24" Length, 3/4" Square, Stainless Steel Towel Bar (Gamco 7673x24).....	75.91	28.87	
10 28 13 13-0311	EA	18" Length, 3/4" Diameter, Stainless Steel Towel Bar (Gamco 7674x18).....	84.20	28.87	
10 28 13 13-0312	EA	24" Length, 3/4" Diameter, Stainless Steel Towel Bar (Gamco 7674x24).....	84.99	28.87	
10 28 13 13-0313	EA	18" Length, 3/4" Square, Stainless Steel Towel Bar (Bobrick B-673).....	121.36	28.87	
10 28 13 13-0314	EA	24" Length, 3/4" Square, Stainless Steel Towel Bar (Bobrick B-673).....	126.16	28.87	
10 28 13 13-0315	EA	18" Length, 3/4" Diameter, Stainless Steel Towel Bar (Bobrick B-674).....	125.04	28.87	

10	10	Specialties
	10 20	Interior Specialties
	10 28	Toilet, Bath, and Laundry Accessories



MINOR		DESCRIPTION	TOTAL DIRECT		DEMOLITION
CSI	UOM		UNIT COST	UNIT COST	
10 28 13 13-0316	EA	24" Length, 3/4" Diameter, Stainless Steel Towel Bar (Bobrick B-674 or B-6747))	128.99		28.87
10 28 13 13-0317	EA	18" Length, 1" Diameter, Heavy-Duty, Stainless Steel Towel Bar (Bobrick B-205)	136.07		28.87
10 28 13 13-0318	EA	24" Length, 1" Diameter, Heavy-Duty, Stainless Steel Towel Bar (Bobrick B-205)	140.27		28.87
10 28 13 13-0319	EA	18" Length, 1" Diameter, Extra-Heavy-Duty, Stainless Steel Towel Bar/Grab Bar (Bobrick B-530)	105.25		28.87
10 28 13 13-0320	EA	24" Length, 1" Diameter, Extra-Heavy-Duty, Stainless Steel Towel Bar/Grab Bar (Bobrick B-530)	108.92		28.87
10 28 13 13-0321		Towel Bar With Shelf (10 28 13 13-0298)			
10 28 13 13-0322	EA	24" Length, Stainless Steel Towel Shelf With Towel Bar (Bobrick B-676)	228.79		28.87
10 28 13 13-0323		Towel Pins (10 28 13 13-0298)			
10 28 13 13-0324	EA	Stainless Steel Towel Pin (Bobrick B-677)	59.59		12.83
10 28 13 13-0325		Drinking Fountain Grab Bars (10 28 13 13)			
10 28 13 13-0326		1-1/4" Diameter, Stainless Steel Drinking Fountain Grab Bars (10 28 13 13-0325) Note: Includes two wall and one floor concealed mounting with snap flange. 33" high x 18" deep, second rail 6" off ground.			
10 28 13 13-0327	EA	1-1/4" Diameter, Satin Stainless Steel Drinking Fountain Grab Bars	573.91		84.71
10 28 13 13-0328	EA	1-1/4" Diameter, Peened Stainless Steel Drinking Fountain Grab Bars	635.15		84.71
10 28 13 13-0329	EA	1-1/4" Diameter, Anti-Slip Stainless Steel Drinking Fountain Grab Bars	748.44		84.71
10 28 13 13-0330	EA	1-1/4" Diameter, Bright Or Bright Peened Stainless Steel Drinking Fountain Grab Bars	913.78		84.71
10 28 13 13-0331		1-1/2" Diameter, Stainless Steel Drinking Fountain Grab Bars (10 28 13 13-0325) Note: Includes two wall and one floor concealed mounting with snap flange. 33" high x 18" deep, second rail 6" off ground.			
10 28 13 13-0332	EA	1-1/2" Diameter, Satin Stainless Steel Drinking Fountain Grab Bars	601.47		84.71
10 28 13 13-0333	EA	1-1/2" Diameter, Peened Stainless Steel Drinking Fountain Grab Bars	662.71		84.71
10 28 13 13-0334	EA	1-1/2" Diameter, Anti-Slip Stainless Steel Drinking Fountain Grab Bars	782.12		84.71
10 28 13 13-0335	EA	1-1/2" Diameter, Bright Or Bright Peened Stainless Steel Drinking Fountain Grab Bars	944.40		84.71
10 28 13 13-0336		1-1/2" Diameter, Steel Drinking Fountain Grab Bars (10 28 13 13-0325) Note: Includes three wall and one floor concealed mounting with snap flange.			
10 28 13 13-0337	EA	1-1/2" Diameter, Steel Drinking Fountain Grab Bars, 42" High	385.35		84.71
10 28 13 13-0338		Mirrors (10 28 13 13)			
10 28 13 13-0339		Stainless Steel Channel Frame Glass Mirrors (10 28 13 13-0338)			
10 28 13 13-0340	EA	16" x 24", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Gamco C-16x24)	132.05		32.08
10 28 13 13-0341	EA	18" x 24", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1824)	149.36		32.08
10 28 13 13-0342	EA	18" x 30", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1830)	155.36		32.08
		For Tempered Glass (B-1658), Add	50.36		
10 28 13 13-0343	EA	18" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1836)	167.65		32.08
		For Tempered Glass (B-1658), Add	58.96		
10 28 13 13-0344	EA	24" x 30", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2430)	183.42		32.08
10 28 13 13-0345	EA	24" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2436)	190.06		32.08
		For Tempered Glass (B-1658), Add	74.65		
10 28 13 13-0346	EA	24" x 48", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2448)	233.59		32.08
10 28 13 13-0347	EA	24" x 60", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2460)	269.24		32.08
10 28 13 13-0348	EA	36" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Gamco C-36x36)	323.73		32.08
10 28 13 13-0349	EA	48" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 4836)	406.48		32.08
10 28 13 13-0350	EA	60" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Gamco C-60x36)	456.75		32.08
10 28 13 13-0351		Stainless Steel Channel Frame Glass Mirror/Shelf Combination (10 28 13 13-0338)			
10 28 13 13-0352	EA	18" x 24", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 1824)	241.79		32.08
10 28 13 13-0353	EA	18" x 30", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 1830)	260.40		32.08
10 28 13 13-0354	EA	18" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 1836)	272.71		32.08
10 28 13 13-0355	EA	24" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 2436)	307.41		32.08
10 28 13 13-0356		Stainless Steel Angle Frame Glass Mirrors (10 28 13 13-0338)			
10 28 13 13-0357	EA	18" x 24", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 1824)	215.57		32.08
10 28 13 13-0358	EA	18" x 30", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 1830)	236.12		32.08
		For Tempered Glass (B-2908), Add	100.78		
10 28 13 13-0359	EA	18" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 1836)	243.05		32.08
		For Tempered Glass (B-2908), Add	105.36		
10 28 13 13-0360	EA	24" x 30", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2430)	284.06		32.08
10 28 13 13-0361	EA	24" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2436)	285.64		32.08
		For Tempered Glass (B-2908), Add	133.47		
10 28 13 13-0362	EA	24" x 48", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2448)	380.60		32.08
10 28 13 13-0363	EA	24" x 60", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2460)	446.85		32.08
10 28 13 13-0364	EA	24" x 72", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2472)	508.70		32.08
10 28 13 13-0365	EA	36" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Gamco A-36x36)	340.28		32.08
10 28 13 13-0366	EA	48" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Gamco A-48x36)	414.01		32.08
10 28 13 13-0367	EA	72" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Gamco A-72x36)	632.07		32.08

		Specialties	10	10
		Interior Specialties	10 20	
		Toilet, Bath, and Laundry Accessories	10 28	
MINOR	DESCRIPTION	TOTAL DIRECT	DEMOLITION	
CSI	UOM	UNIT COST	UNIT COST	

10 28 13 13-0368		Stainless Steel Angle Frame Glass Mirror/Shelf Combination (10 28 13 13-0338)		
10 28 13 13-0369	EA	18" x 24", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Gamco AS-18x24)	222.76	32.08
10 28 13 13-0370	EA	18" x 30", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-1830)	435.81	32.08
10 28 13 13-0371	EA	18" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-1836)	456.64	32.08
10 28 13 13-0372	EA	24" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-2436)	508.70	32.08
10 28 13 13-0373		Frameless Stainless Steel Mirrors (10 28 13 13-0338)		
10 28 13 13-0374	EA	17-1/2" x 29-1/2", Frameless Stainless Steel Mirror (Bobrick B-1556 1830)	241.16	32.08
10 28 13 13-0375	EA	23-1/2" x 35-1/2", Frameless Stainless Steel Mirror (Bobrick B-1556 2436)	310.87	32.08
10 28 13 13-0376		Fixed-Position Tilt, Stainless Steel Frame Glass Mirrors (10 28 13 13-0338)		
10 28 13 13-0377	EA	16" x 30", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 1630)	326.65	32.08
10 28 13 13-0378	EA	18" x 30", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 1830)	340.23	32.08
10 28 13 13-0379	EA	18" x 36", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 1836)	411.21	32.08
10 28 13 13-0380	EA	24" x 36", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 2436)	504.90	32.08
10 28 13 13-0381		Medicine Cabinets (10 28 13 13)		
10 28 13 13-0382		Metal Medicine Cabinets (10 28 13 13-0381)		
10 28 13 13-0383	EA	20" x 26", Surface Mounted, Aluminum Medicine Cabinet (Kohler K-CB)	278.41	64.17
10 28 13 13-0384	EA	15-1/2" x 25-7/8", Recessed Mounted, All-Steel Medicine Cabinet (Bobrick B-397)	271.26	64.17
Note: Includes three adjustable plastic shelves.				
10 28 13 13-0385	EA	14-1/8" x 20-1/4", Surface Mounted, All-Steel Medicine Cabinet (Bobrick B-297)	279.31	64.17
Note: Includes two fixed shelves with baked white enamel finish.				
10 28 13 13-0386	EA	15-1/4" x 25-1/2", Recessed Mounted, Stainless Steel Medicine Cabinet (Bobrick B-398)	586.05	64.17
Note: Includes four adjustable stainless steel shelves.				
10 28 13 13-0387	EA	17" x 26-7/8", Surface Mounted, Stainless Steel Medicine Cabinet (Bobrick B-299)	796.67	64.17
Note: Includes four adjustable shelves.				
10 28 13 13-0388		Janitorial Material (10 28 13 13)		
10 28 13 13-0389	EA	Stainless Steel Pail And Ladder Utility Hook (Bobrick B-670)	55.90	12.83
10 28 13 13-0390	EA	24" Length, Stainless Steel Utility Hook Strip (Bobrick B-232x24)	144.26	28.87
10 28 13 13-0391	EA	24" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder (Bobrick B-223x24)	139.18	28.87
10 28 13 13-0392	EA	30" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder (Gamco MS-1)	157.08	28.87
10 28 13 13-0393	EA	36" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder (Bobrick B-223x36)	174.79	28.87
10 28 13 13-0394	EA	36" Length, Utility Hook Strip (Gamco HCS-2)	119.30	28.87
10 28 13 13-0395	EA	36" Length, Stainless Steel Custodian Utility Shelf With Mop And Broom Holders And Rag Hooks (Bobrick B-224x36)	317.84	28.87
10 28 13 13-0396	EA	34" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder With Shelf And Rag Hooks (Bobrick B-239x34)	454.40	28.87
10 28 13 13-0397		Removal And Reinstallation Of Bathroom Accessories (10 28 13 13)		
10 28 13 13-0398	EA	Removal And Reinstallation Of Bathroom Accessory	40.11	
10 28 13 19		Healthcare Toilet Accessories (10 28 13)		
10 28 13 19-0001		Healthcare Toilet Accessories (10 28 13 19)		
10 28 13 19-0002	EA	Surface Mounted, Stainless Steel Bedpan/Urinal Holder (Bradley BR-9905)	203.61	40.17
10 28 13 19-0003	EA	Recessed Mounted, Stainless Steel Bedpan Storage Cabinet (Bradley BR-990)	727.49	40.17
10 28 13 19-0004	EA	Stainless Steel Foot Operated Soap Dispenser (Bradley BR-6843)	262.09	106.91
10 28 16		Bath Accessories (10 28)		
10 28 16 13		Residential Bath Accessories (10 28 16)		
10 28 16 13-0001		Residential Toilet Accessories (10 28 16 13)		
10 28 16 13-0002		Residential Shower Curtain Rod (10 28 16 13-0001)		
Note: Includes end brackets. See CSI section 10 28 13 13-0211 for shower curtain rods.				
10 28 16 13-0003		Residential, Recessed, Chrome Plated Toilet Accessories (10 28 16 13-0001)		
10 28 16 13-0004	EA	Single Roll, Recessed Mounted, Chrome Plated Toilet Paper Holder	154.06	28.87
10 28 16 13-0005	EA	Recessed Mounted, Chrome Plated Soap Dish	234.93	28.87
10 28 16 13-0006	EA	Recessed Mounted, Chrome Plated Soap Dish And Bar	251.37	28.87
10 28 16 13-0007	EA	Recessed Mounted, Chrome Plated Tumbler Holder	161.02	28.87
10 28 16 13-0008		Residential, Surface Mounted, Chrome Plated Toilet Accessories (10 28 16 13-0001)		
10 28 16 13-0009	EA	Surface Mounted, Chrome Plated Soap Dish	104.20	19.25
10 28 16 13-0010	EA	Surface Mounted, Chrome Plated Single Clothes Hook	122.53	19.25
10 28 16 13-0011	EA	Surface Mounted, Chrome Plated Double Clothes Hook	122.53	19.25
10 28 16 13-0012	LF	6" Deep, Surface Mounted, Glass Shelf With Chrome Plated Supports	265.45	19.25
10 28 16 13-0013	LF	6" Deep, Surface Mounted, Stainless Steel Shelf	219.33	19.25
10 28 16 13-0014	EA	18" Length, Surface Mounted, Chrome Plated Towel Bar	133.47	25.66
10 28 16 13-0015	EA	24" Length, Surface Mounted, Chrome Plated Towel Bar	135.52	25.66
10 28 16 13-0016	EA	Surface Mounted, Chrome Plated Towel Ring	99.67	19.25
10 28 16 13-0017	EA	Surface Mounted, Chrome Plated Tumbler And Toothbrush Holder	91.35	12.83

10	10	Specialties
	10 20	Interior Specialties
	10 28	Toilet, Bath, and Laundry Accessories



MINOR			TOTAL DIRECT		DEMOLITION	
CSI UOM DESCRIPTION			UNIT COST		UNIT COST	
10 28 16 13-0018	EA	Single Roll, Surface Mounted, Chrome Plated Toilet Paper Holder.....	104.20		19.25	
10 28 16 13-0019	EA	Two Roll, Surface Mounted, Chrome Plated Toilet Paper Holder	227.10		19.25	
10 28 16 13-0020	EA	Surface Mounted, Chrome Plated Globe Soap Dispenser.....	128.86		19.25	
10 28 16 13-0021	EA	Surface Mounted, Chrome Plated Towel Pin.....	137.16		12.83	
10 28 16 13-0022	EA	Surface Mounted, Chrome Plated Towel Ladder And Shelf.....	442.26		19.25	
10 28 16 13-0023	EA	Surface Mounted, Retractable Chrome Plated Bath/Shower Clothesline	210.33		19.25	
10 28 16 13-0024	EA	24" Length, Cut To Size Towel Bar, Surface Mounted, Ceramic Base Towel Bar	92.16		19.25	
10 28 16 13-0025		Residential Medicine Cabinets, Solid Oak (10 28 16 13-0001) Note: Surface or recessed mounted, premium quality.				
10 28 16 13-0026	EA	24" x 30", Unlighted, Solid Oak Medicine Cabinet With Mirror.....	359.41		64.17	
10 28 16 13-0027	EA	24" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror	459.61		64.17	
10 28 16 13-0028	EA	30" x 30" Unlighted, Solid Oak Medicine Cabinet With Mirror	377.45		64.17	
10 28 16 13-0029	EA	30" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror	484.22		64.17	
10 28 16 13-0030	EA	36" x 30", Unlighted, Solid Oak Medicine Cabinet With Mirror	388.82		64.17	
10 28 16 13-0031	EA	36" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror	505.84		64.17	
10 28 16 13-0032	EA	48" x 30", Unlighted, Solid Oak Medicine Cabinet With Mirror	404.44		64.17	
10 28 16 13-0033	EA	48" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror	532.25		64.17	
10 28 16 13-0034		Residential Toilet Accessories (10 28 16 13-0001)				
10 28 16 13-0035	EA	Surface Mounted Plastic Paper Towel Dispenser.....	116.94		28.87	
10 28 16 13-0036	EA	Surface Mounted Plastic Napkin Disposal	103.87		28.87	
10 28 16 13-0037	EA	50 Fluid Ounce, Plastic Soap Dispenser For Soaps And Detergent	108.48			
10 28 16 13-0038	EA	50 Fluid Ounce, Plastic Soap Dispenser For Antibacterial Soaps	122.32		28.87	
10 28 16 13-0039	EA	Multi Roll (2) Plastic Toilet Tissue Dispenser	116.98		28.87	
10 28 16 13-0040	EA	Single Jumbo Roll Plastic Toilet Tissue Dispenser	143.31		35.30	
10 28 16 13-0041	EA	Surface Mounted Plastic Toilet Seat Cover Dispenser	80.59		25.66	
10 28 16 13-0042	EA	13 Gallon Plastic Waste Door For Countertops	273.05		48.13	
10 28 19		Tub and Shower Enclosures (10 28)				
10 28 19 16		Shower Doors (10 28 19)				
10 28 19 16-0001		Swinging Shower Doors (10 28 19 16)				
10 28 19 16-0002		Framed, Swinging Shower Doors (10 28 19 16-0001)				
10 28 19 16-0003	EA	24-1/4" To 26" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00801).....	571.13		62.13	
10 28 19 16-0004	EA	27-1/4" To 29" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00802).....	600.40		31.07	
10 28 19 16-0005	EA	29-5/8" To 31-3/8" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00803).....	721.84		31.07	
10 28 19 16-0006	EA	33-1/8" To 34-7/8" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00804).....	597.29		31.07	
10 28 19 16-0007	EA	35-1/8" To 36-7/8" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00805).....	638.76		31.07	
10 28 19 16-0008		Frameless, Swinging Shower Doors (10 28 19 16-0001)				
10 28 19 16-0009	EA	24-9/16" To 25-7/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0301D)	883.47		31.07	
10 28 19 16-0010	EA	31-1/16" To 31-15/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0302D)	924.06		31.07	
10 28 19 16-0011	EA	32-11/16" To 33-9/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0303D)	962.26		31.07	
10 28 19 16-0012	EA	34-3/16" To 35-1/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0304D)	1,002.85		31.07	
10 28 19 16-0013	EA	35-3/16" To 36-1/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0305D)	1,042.24		31.07	
10 28 19 16-0014		Sliding Shower Doors (10 28 19 16)				
10 28 19 16-0015		Framed, Sliding Shower Doors (10 28 19 16-0014)				
10 28 19 16-0016	EA	40" To 42" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00735).....	962.97		31.07	
10 28 19 16-0017	EA	44" To 46" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00745).....	880.83		31.07	
10 28 19 16-0018	EA	46" To 48" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00775).....	902.95		31.07	
10 28 19 16-0019	EA	52" To 54" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00729).....	926.48		31.07	
10 28 19 16-0020	EA	54" To 56" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00794).....	939.61		31.07	
10 28 19 16-0021	EA	56" To 60" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00795).....	959.04		31.07	
10 28 19 16-0022		Frameless, Sliding Shower Doors (10 28 19 16-0014)				
10 28 19 16-0023	EA	40" To 44" Opening, 65-1/2" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00335)	998.93		31.07	
10 28 19 16-0024	EA	44" To 48" Opening, 65-1/2" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00345)	1,222.37		31.07	

		Specialties	10
		Interior Specialties	10 20
		Toilet, Bath, and Laundry Accessories	10 28

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST

10 28 19 16-0025	EA		56" To 60" Opening, 65-1/2" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00394)	1,297.57	31.07
10 28 19 16-0026	EA		40" To 44" Opening, 70" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00330)	1,170.00	31.07
10 28 19 16-0027	EA		44" To 48" Opening, 70" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00370)	1,186.47	31.07
10 28 19 16-0028	EA		56" To 60" Opening, 70" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00390)	1,339.51	31.07

10 28 19 19 Tub Doors (10 28 19)

10 28 19 19-0001 Sliding Bathtub Doors (10 28 19 19)

10 28 19 19-0002 Framed, Sliding Bathtub Doors (10 28 19 19-0001)

10 28 19 19-0003	EA		52" To 54" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00725)	856.13	31.07
10 28 19 19-0004	EA		54" To 56" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00749)	865.60	31.07
10 28 19 19-0005	EA		56" To 60" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00750)	887.00	31.07

10 40 Safety Specialties (10)

10 41 Emergency Access And Information Cabinets (10 40)

10 41 13 Fire Department Plan Cabinets (10 41)

10 41 13 00-0001 Fire Department Plan Cabinets (Knox) (10 41 13)

10 41 13 00-0002	EA		18" High x 14-1/2" Wide x 5" Deep, Light Gray Finish, Surface Mount, Fire Department Emergency Storage Cabinet (Knox 1300)	1,764.15	41.71
			For Tamper Switch Connected To Existing Alarm System, Add	40.00	
			For Dual Locks, Add	60.00	
			For Back Key Hook Panel, Add	59.79	
			For Swing Key Hook Panel, Add	158.79	
			For Non-Locking Weather Housing, Add	399.36	
10 41 13 00-0003	EA		18" High x 14-1/2" Wide x 7" Deep, Light Gray Finish, Surface Mount, Fire Department Emergency Storage Cabinet (Knox 1300)	1,870.56	41.71
			For Tamper Switch Connected To Existing Alarm System, Add	40.00	
			For Dual Locks, Add	60.00	
			For Back Key Hook Panel, Add	59.79	
			For Swing Key Hook Panel, Add	158.79	
			For Second Swing Key Hook Panel, Add	125.79	
			For Non-Locking Weather Housing, Add	399.36	

10 41 16 Emergency Key Cabinets (10 41)

10 41 16 00-0001 Emergency Key Cabinets (Knox) (10 41 16)

10 41 16 00-0002	EA		Elevator/Lobby, Deep Red Finish, Surface Mount, Fire Department Emergency Key Storage Box (Knox 1403)	880.99	41.71
			For Tamper Switch Connected To Existing Alarm System, Add	40.00	
10 41 16 00-0003	EA		5" High x 4" Wide x 3-3/4" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Box 3200)	774.58	41.71
			For Lift-Off Door, Deduct	-40.00	
			For Aluminum Or Dark Bronze Finish, Add	10.00	
			For Tamper Switch Connected To Existing Alarm System, Add	40.00	
			For Recess Mount, Add	63.93	
			For Cast-In-Place Concrete Recess Mounting, Add	119.00	
10 41 16 00-0004	EA		6" High x 6" Wide x 4-1/2" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Vault 4100)	1,035.28	41.71
			For Aluminum Or Dark Bronze Finish, Add	10.00	
			For Tamper Switch Connected To Existing Alarm System, Add	40.00	
			For Recess Mount, Add	63.93	
			For Dual Locks, Add	60.00	
			For Cast-In-Place Concrete Recess Mounting, Add	130.00	
10 41 16 00-0005	EA		7" High x 7" Wide x 5" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Vault 4400)	1,101.78	41.71
			For Aluminum Or Dark Bronze Finish, Add	10.00	
			For Tamper Switch Connected To Existing Alarm System, Add	40.00	
			For Recess Mount, Add	63.93	
			For Dual Locks, Add	60.00	
			For Cast-In-Place Concrete Recess Mounting, Add	135.00	

10 44 Fire Protection Specialties (10 40)

10 44 13 Fire Protection Cabinets (10 44)

10 44 13 00-0001 Fire Extinguisher Cabinets (10 44 13)

10 44 13 00-0002 Recessed Fire Extinguisher Cabinets (10 44 13 00-0001)

10 44 13 00-0003 Steel Door And Trim, Recessed Fire Extinguisher Cabinets (10 44 13 00-0002)

			Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0004	EA		9" x 18" x 5-1/2" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet	431.90	52.62
10 44 13 00-0005	EA		10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet	439.73	52.62
10 44 13 00-0006	EA		10-1/2" x 24" x 6" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet	441.30	52.62
10 44 13 00-0007	EA		12" x 27" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet	489.82	52.62
10 44 13 00-0008	EA		16" x 32" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet	616.62	52.62

10	10	Specialties
	10 40	Safety Specialties
	10 44	Fire Protection Specialties



		MINOR			TOTAL DIRECT	DEMOLITION
		CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
	10 44 13 00-0009	EA		20" x 27" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	633.83	52.62
	10 44 13 00-0010			Aluminum Door And Trim, Recessed Fire Extinguisher Cabinets (10 44 13 00-0002)		
				Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.		
	10 44 13 00-0011	EA		9" x 18" x 5-1/2" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	408.21	52.62
	10 44 13 00-0012	EA		10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	414.13	52.62
	10 44 13 00-0013	EA		10-1/2" x 24" x 6" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	423.99	52.62
	10 44 13 00-0014	EA		12" x 27" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	440.76	52.62
	10 44 13 00-0015	EA		16" x 32" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	492.54	52.62
	10 44 13 00-0016	EA		20" x 27" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	508.32	52.62
	10 44 13 00-0017			Stainless Steel Door And Trim, Recessed Fire Extinguisher Cabinets (10 44 13 00-0002)		
				Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.		
	10 44 13 00-0018	EA		9" x 18" x 5-1/2" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet.....	568.19	52.62
	10 44 13 00-0019	EA		10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet.....	581.96	52.62
	10 44 13 00-0020	EA		10-1/2" x 24" x 6" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet.....	588.85	52.62
	10 44 13 00-0021	EA		12" x 27" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet.....	635.90	52.62
	10 44 13 00-0022	EA		16" x 32" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet.....	730.64	52.62
	10 44 13 00-0023	EA		20" x 27" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet.....	759.33	52.62
	10 44 13 00-0024			Bronze Door And Trim, Recessed Fire Extinguisher Cabinets (10 44 13 00-0002)		
				Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.		
	10 44 13 00-0025	EA		10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet.....	1,695.42	52.62
	10 44 13 00-0026	EA		10-1/2" x 24" x 6" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet.....	1,708.02	52.62
	10 44 13 00-0027	EA		12" x 27" x 7-3/4" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet.....	1,964.96	52.62
	10 44 13 00-0028			Acrylic Bubble Door And Steel Trim, Recessed Fire Extinguisher Cabinets (10 44 13 00-0002)		
				Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.		
	10 44 13 00-0029	EA		10-1/2" x 24" x 4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door.....	533.65	52.62
	10 44 13 00-0030	EA		14" x 30" x 4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door.....	593.14	52.62
	10 44 13 00-0031			Semi-Recessed Fire Extinguisher Cabinets (10 44 13 00-0001)		
	10 44 13 00-0032			Steel Door And Trim, Semi-Recessed Fire Extinguisher Cabinets (10 44 13 00-0031)		
				Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.		
	10 44 13 00-0033	EA		9" x 18" x 5-1/2" Inside Dimensions, Semi-Recessed Steel Fire Extinguisher Cabinet.....	474.17	52.62
	10 44 13 00-0034	EA		10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi-Recessed Steel Fire Extinguisher Cabinet.....	489.82	52.62
	10 44 13 00-0035	EA		10-1/2" x 24" x 6" Inside Dimensions, Semi-Recessed Steel Fire Extinguisher Cabinet.....	491.39	52.62
	10 44 13 00-0036	EA		12" x 27" x 7-3/4" Inside Dimensions, Semi-Recessed Steel Fire Extinguisher Cabinet.....	544.61	52.62
	10 44 13 00-0037	EA		16" x 32" x 7-3/4" Inside Dimensions, Semi-Recessed Steel Fire Extinguisher Cabinet.....	651.05	52.62
	10 44 13 00-0038	EA		20" x 27" x 7-3/4" Inside Dimensions, Semi-Recessed Steel Fire Extinguisher Cabinet.....	668.27	52.62
	10 44 13 00-0039			Aluminum Door And Trim, Semi-Recessed Fire Extinguisher Cabinets (10 44 13 00-0031)		
				Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.		
	10 44 13 00-0040	EA		9" x 18" x 5-1/2" Inside Dimensions, Semi-Recessed Aluminum Fire Extinguisher Cabinet.....	452.10	52.62
	10 44 13 00-0041	EA		10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi-Recessed Aluminum Fire Extinguisher Cabinet.....	466.89	52.62
	10 44 13 00-0042	EA		10-1/2" x 24" x 6" Inside Dimensions, Semi-Recessed Aluminum Fire Extinguisher Cabinet.....	475.77	52.62
	10 44 13 00-0043	EA		12" x 27" x 7-3/4" Inside Dimensions, Semi-Recessed Aluminum Fire Extinguisher Cabinet.....	492.54	52.62
	10 44 13 00-0044	EA		16" x 32" x 7-3/4" Inside Dimensions, Semi-Recessed Aluminum Fire Extinguisher Cabinet.....	550.73	52.62
	10 44 13 00-0045	EA		20" x 27" x 7-3/4" Inside Dimensions, Semi-Recessed Aluminum Fire Extinguisher Cabinet.....	564.54	52.62
	10 44 13 00-0046			Stainless Steel Door And Trim, Semi-Recessed Fire Extinguisher Cabinets (10 44 13 00-0031)		
				Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.		
	10 44 13 00-0047	EA		9" x 18" x 5-1/2" Inside Dimensions, Semi-Recessed Stainless Steel Fire Extinguisher Cabinet.....	628.51	52.62
	10 44 13 00-0048	EA		10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi-Recessed Stainless Steel Fire Extinguisher Cabinet.....	644.58	52.62
	10 44 13 00-0049	EA		10-1/2" x 24" x 6" Inside Dimensions, Semi-Recessed Stainless Steel Fire Extinguisher Cabinet.....	651.46	52.62
	10 44 13 00-0050	EA		12" x 27" x 7-3/4" Inside Dimensions, Semi-Recessed Stainless Steel Fire Extinguisher Cabinet.....	687.04	52.62
	10 44 13 00-0051	EA		16" x 32" x 7-3/4" Inside Dimensions, Semi-Recessed Stainless Steel Fire Extinguisher Cabinet.....	775.40	52.62
	10 44 13 00-0052	EA		20" x 27" x 7-3/4" Inside Dimensions, Semi-Recessed Stainless Steel Fire Extinguisher Cabinet.....	794.91	52.62
	10 44 13 00-0053			Bronze Door And Trim, Semi-Recessed Fire Extinguisher Cabinets (10 44 13 00-0031)		
				Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.		
	10 44 13 00-0054	EA		10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi-Recessed Bronze Fire Extinguisher Cabinet.....	2,144.15	52.62
	10 44 13 00-0055	EA		10-1/2" x 24" x 6" Inside Dimensions, Semi-Recessed Bronze Fire Extinguisher Cabinet.....	2,154.72	52.62
	10 44 13 00-0056	EA		12" x 27" x 7-3/4" Inside Dimensions, Semi-Recessed Bronze Fire Extinguisher Cabinet.....	2,473.86	52.62
	10 44 13 00-0057			Acrylic Bubble Door And Steel Trim, Semi-Recessed Fire Extinguisher Cabinets (10 44 13 00-0031)		
				Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.		
	10 44 13 00-0058	EA		10-1/2" x 24" x 4" Inside Dimensions, Semi-Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door.....	590.00	52.62
	10 44 13 00-0059	EA		14" x 30" x 4" Inside Dimensions, Semi-Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door.....	646.36	52.62

			Specialties	10	10
			Safety Specialties	10 40	
			Fire Protection Specialties	10 44	
			TOTAL DIRECT	DEMOLITION	
			UNIT COST	UNIT COST	

10 44 13 00-0060			Surface Mounted Fire Extinguisher Cabinets (10 44 13 00-0001)		
10 44 13 00-0061			Steel Door And Trim, Surface Mount Fire Extinguisher Cabinets (10 44 13 00-0060)		
			Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0062	EA		12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	461.65	52.62
10 44 13 00-0063	EA		13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	471.04	52.62
10 44 13 00-0064	EA		15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	546.17	52.62
10 44 13 00-0065	EA		19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	638.53	52.62
10 44 13 00-0066	EA		23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	663.58	52.62
10 44 13 00-0067			Aluminum Door And Trim, Surface Mount Fire Extinguisher Cabinets (10 44 13 00-0060)		
			Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0068	EA		12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet	545.80	52.62
10 44 13 00-0069	EA		13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet	558.62	52.62
10 44 13 00-0070	EA		15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet	587.23	52.62
10 44 13 00-0071	EA		19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet	643.45	52.62
10 44 13 00-0072	EA		23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet	667.12	52.62
10 44 13 00-0073			Stainless Steel Door And Trim, Surface Mount Fire Extinguisher Cabinets (10 44 13 00-0060)		
			Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0074	EA		12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet	728.35	52.62
10 44 13 00-0075	EA		13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet	750.15	52.62
10 44 13 00-0076	EA		15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet	804.09	52.62
10 44 13 00-0077	EA		19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet	908.52	52.62
10 44 13 00-0078	EA		23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet	940.65	52.62
10 44 13 00-0079			Bronze Door And Trim, Surface Mount Fire Extinguisher Cabinets (10 44 13 00-0060)		
			Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0080	EA		13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Bronze Fire Extinguisher Cabinet	2,463.90	52.62
10 44 13 00-0081	EA		15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Bronze Fire Extinguisher Cabinet	2,780.61	52.62
10 44 13 00-0082			Acrylic Bubble Door And Steel Trim, Surface Mount Fire Extinguisher Cabinets (10 44 13 00-0060)		
			Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.		
10 44 13 00-0083	EA		13-11/16" x 27-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	555.57	52.62
10 44 13 00-0084	EA		17-3/16" x 33-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	624.44	52.62
10 44 13 00-0085	EA		31-3/16" x 33-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	865.51	52.62
10 44 13 00-0086			Fire Extinguisher Cabinet Accessories (10 44 13 00-0001)		
10 44 13 00-0087	EA		Standard Break Glass Cylinder Lock Mechanism	44.10	16.04
10 44 13 00-0088	EA		Breaker Bar And Chain For Break Glass Cabinets	39.90	16.04
10 44 13 00-0089	EA		Replacement Of Standard Pull Handle	37.33	
10 44 13 00-0090	EA		Fire Extinguisher Cabinet Battery Operated Alarm	118.25	32.08
10 44 13 00-0091	EA		Fire Rated Option For 10-1/2" x 24" x 5-1/2" Or 6" Cabinets	238.02	
10 44 13 00-0092	EA		Fire Rated Option For 12" x 27" x 7-3/4" Cabinets	261.82	
10 44 13 00-0093	EA		Fire Rated Option For 16" x 32" x 7-3/4" Cabinets	357.03	
10 44 13 00-0094	EA		Fire Rated Option For 20" x 27" x 7-3/4" Cabinets	487.94	
10 44 13 00-0095	EA		Fire Rated Option For 9" x 18" x 5-1/2" Cabinets	571.25	
10 44 13 00-0096	EA		Standard Glass With Wire Glass For 9" x 18" x 5-1/2" Cabinets	138.05	
10 44 13 00-0097	EA		Standard Glass With Wire Glass For 10-1/2" x 24" x 5-1/2" Or 6" Cabinets	142.81	
10 44 13 00-0098	EA		Standard Glass With Wire Glass For 12" x 27" x 7-3/4" Cabinets	190.42	
10 44 13 00-0099	EA		Standard Glass With Wire Glass For 16" x 32" x 7-3/4" Cabinets	345.13	
10 44 13 00-0100	EA		Standard Glass With Wire Glass For 20" x 27" x 7-3/4" Cabinets	349.89	
10 44 13 00-0101	EA		Standard Glass With Wire Glass For 12-3/16" x 21-3/16" x 6" Cabinets	131.36	
10 44 13 00-0102	EA		Standard Glass With Wire Glass For 13-11/16" x 27-3/16" x 6-1/2" Cabinets	137.93	
10 44 13 00-0103	EA		Standard Glass With Wire Glass For 15-3/16" x 30-3/16" x 8-1/4" Cabinets	186.09	
10 44 13 00-0104	EA		Standard Glass With Wire Glass For 19-3/16" x 35-3/16" x 8-1/4" Cabinets	328.40	
10 44 13 00-0105	EA		Standard Glass With Wire Glass For 23-3/16" x 30-3/16" x 8-1/4" Cabinets	332.77	
10 44 13 00-0106			Fire Hose Cabinets (10 44 13)		
			Note: Excludes hoses, hose rack units, fire extinguishers and valves. See CSI section 21 12 13 00-0001 for fire hoses and nozzles, 21 12 13 00-0015 for fire hose rack units, 21 12 23 00-0001 for fire department valves, 21 12 23 00-0014 for fire hose angle valves.		
10 44 13 00-0107			Recessed Fire Hose Cabinets (10 44 13 00-0106)		
10 44 13 00-0108			Steel Door And Trim, Recessed Fire Hose Cabinets (10 44 13 00-0107)		
			Note: Includes baked enamel finish, steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0109	EA		34" x 24" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	664.33	149.95
			For Solid Steel Door, Deduct	-8.60	
10 44 13 00-0110	EA		34" x 26" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	676.62	149.95
			For Solid Steel Door, Deduct	-8.60	
10 44 13 00-0111	EA		38" x 24" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	686.86	149.95
			For Solid Steel Door, Deduct	-8.60	

10	10	Specialties
	10 40	Safety Specialties
	10 44	Fire Protection Specialties



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
10 44 13 00-0112	EA 38" x 26" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet <i>For Solid Steel Door, Deduct</i>	697.11 -8.60		149.95	
10 44 13 00-0113	EA 30" x 30" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet <i>For Solid Steel Door, Deduct</i>	709.39 -8.60		149.95	
10 44 13 00-0114	EA 38" x 32" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet <i>For Solid Steel Door, Deduct</i>	742.14 -8.60		149.95	
10 44 13 00-0115	EA 23" x 18" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet <i>For Solid Steel Door, Deduct</i>	752.39 -8.60		149.95	
10 44 13 00-0116	Aluminum Door And Trim, Recessed Fire Hose Cabinets (10 44 13 00-0107) Note: Includes clear satin anodized finish, aluminum door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.				
10 44 13 00-0117	EA 34" x 24" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	721.08 6.50		149.95	
10 44 13 00-0118	EA 30" x 30" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	740.88 6.50		149.95	
10 44 13 00-0119	EA 34" x 26" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	743.45 6.50		149.95	
10 44 13 00-0120	EA 38" x 24" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	751.68 6.50		149.95	
10 44 13 00-0121	EA 38" x 26" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	762.48 6.50		149.95	
10 44 13 00-0122	EA 38" x 32" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	793.07 6.50		149.95	
10 44 13 00-0123	EA 23" x 18" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	823.67 6.50		149.95	
10 44 13 00-0124	Stainless Steel Door And Trim, Recessed Fire Hose Cabinets (10 44 13 00-0107) Note: Includes #4 finish, stainless steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.				
10 44 13 00-0125	EA 23" x 18" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	955.98 -7.70		149.95	
10 44 13 00-0126	EA 34" x 24" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	1,058.42 -7.70		149.95	
10 44 13 00-0127	EA 34" x 26" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	1,068.28 -7.70		149.95	
10 44 13 00-0128	EA 38" x 24" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	1,099.80 -7.70		149.95	
10 44 13 00-0129	EA 38" x 26" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	1,109.65 -7.70		149.95	
10 44 13 00-0130	EA 30" x 30" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	1,160.87 -7.70		149.95	
10 44 13 00-0131	EA 38" x 32" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	1,212.10 -7.70		149.95	
10 44 13 00-0132	Semi-Recessed Fire Hose Cabinets (10 44 13 00-0106)				
10 44 13 00-0133	Steel Door And Trim, Semi-Recessed Fire Hose Cabinets (10 44 13 00-0132) Note: Includes baked enamel finish, steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.				
10 44 13 00-0134	EA 34" x 24" x 8" Inside Dimensions, Semi-Recessed Steel Fire Hose Cabinet <i>For Solid Steel Door, Deduct</i>	697.11 -8.60		149.95	
10 44 13 00-0135	EA 34" x 26" x 8" Inside Dimensions, Semi-Recessed Steel Fire Hose Cabinet <i>For Solid Steel Door, Deduct</i>	709.39 -8.60		149.95	
10 44 13 00-0136	EA 38" x 24" x 8" Inside Dimensions, Semi-Recessed Steel Fire Hose Cabinet <i>For Solid Steel Door, Deduct</i>	719.61 -8.60		149.95	
10 44 13 00-0137	EA 38" x 26" x 8" Inside Dimensions, Semi-Recessed Steel Fire Hose Cabinet <i>For Solid Steel Door, Deduct</i>	731.90 -8.60		149.95	
10 44 13 00-0138	EA 30" x 30" x 8" Inside Dimensions, Semi-Recessed Steel Fire Hose Cabinet <i>For Solid Steel Door, Deduct</i>	742.14 -8.60		149.95	
10 44 13 00-0139	EA 38" x 32" x 8" Inside Dimensions, Semi-Recessed Steel Fire Hose Cabinet <i>For Solid Steel Door, Deduct</i>	774.89 -8.60		149.95	
10 44 13 00-0140	EA 23" x 18" x 8" Inside Dimensions, Semi-Recessed Steel Fire Hose Cabinet <i>For Solid Steel Door, Deduct</i>	787.17 -8.60		149.95	
10 44 13 00-0141	Aluminum Door And Trim, Semi-Recessed Fire Hose Cabinets (10 44 13 00-0132) Note: Includes clear satin anodized finish, aluminum door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.				
10 44 13 00-0142	EA 34" x 24" x 8" Inside Dimensions, Semi-Recessed Aluminum Fire Hose Cabinet <i>For Solid Aluminum Door, Add</i>	740.88 6.50		149.95	
10 44 13 00-0143	EA 34" x 26" x 8" Inside Dimensions, Semi-Recessed Aluminum Fire Hose Cabinet <i>For Solid Aluminum Door, Add</i>	762.48 6.50		149.95	
10 44 13 00-0144	EA 30" x 30" x 8" Inside Dimensions, Semi-Recessed Aluminum Fire Hose Cabinet <i>For Solid Aluminum Door, Add</i>	765.56 6.50		149.95	
10 44 13 00-0145	EA 38" x 24" x 8" Inside Dimensions, Semi-Recessed Aluminum Fire Hose Cabinet <i>For Solid Aluminum Door, Add</i>	771.48 6.50		149.95	
10 44 13 00-0146	EA 38" x 26" x 8" Inside Dimensions, Semi-Recessed Aluminum Fire Hose Cabinet <i>For Solid Aluminum Door, Add</i>	782.27 6.50		149.95	
10 44 13 00-0147	EA 38" x 32" x 8" Inside Dimensions, Semi-Recessed Aluminum Fire Hose Cabinet <i>For Solid Aluminum Door, Add</i>	812.87 6.50		149.95	
10 44 13 00-0148	EA 23" x 18" x 8" Inside Dimensions, Semi-Recessed Aluminum Fire Hose Cabinet <i>For Solid Aluminum Door, Add</i>	843.47 6.50		149.95	

Specialties			10
Safety Specialties			10 40
Fire Protection Specialties			10 44
MINOR	CSI	UOM	DESCRIPTION
			TOTAL DIRECT UNIT COST
			DEMOLITION UNIT COST

10 44 13 00-0149	Stainless Steel Door And Trim, Semi-Recessed Fire Hose Cabinets (10 44 13 00-0132)			
	Note: Includes #4 finish, 304 stainless steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.			
10 44 13 00-0150	EA	23" x 18" x 8" Inside Dimensions, Semi-Recessed Stainless Steel Fire Hose Cabinet	1,017.05	149.95
		For Solid Stainless Steel Door, Deduct	-7.70	
10 44 13 00-0151	EA	34" x 24" x 8" Inside Dimensions, Semi-Recessed Stainless Steel Fire Hose Cabinet	1,129.35	149.95
		For Solid Stainless Steel Door, Deduct	-7.70	
10 44 13 00-0152	EA	34" x 26" x 8" Inside Dimensions, Semi-Recessed Stainless Steel Fire Hose Cabinet	1,139.20	149.95
		For Solid Stainless Steel Door, Deduct	-7.70	
10 44 13 00-0153	EA	38" x 24" x 8" Inside Dimensions, Semi-Recessed Stainless Steel Fire Hose Cabinet	1,170.72	149.95
		For Solid Stainless Steel Door, Deduct	-7.70	
10 44 13 00-0154	EA	38" x 26" x 8" Inside Dimensions, Semi-Recessed Stainless Steel Fire Hose Cabinet	1,180.57	149.95
		For Solid Stainless Steel Door, Deduct	-7.70	
10 44 13 00-0155	EA	30" x 30" x 8" Inside Dimensions, Semi-Recessed Stainless Steel Fire Hose Cabinet	1,231.80	149.95
		For Solid Stainless Steel Door, Deduct	-7.70	
10 44 13 00-0156	EA	38" x 32" x 8" Inside Dimensions, Semi-Recessed Stainless Steel Fire Hose Cabinet	1,283.02	149.95
		For Solid Stainless Steel Door, Deduct	-7.70	
10 44 13 00-0157	Surface Mount Fire Hose Cabinets (10 44 13 00-0106)			
10 44 13 00-0158	Steel Door And Trim, Surface Mount Fire Hose Cabinets (10 44 13 00-0157)			
	Note: Includes baked enamel finish, steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.			
10 44 13 00-0159	EA	37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet	709.39	149.95
		For Solid Steel Door, Deduct	-8.60	
10 44 13 00-0160	EA	37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet	719.61	149.95
		For Solid Steel Door, Deduct	-8.60	
10 44 13 00-0161	EA	41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet	731.90	149.95
		For Solid Steel Door, Deduct	-8.60	
10 44 13 00-0162	EA	41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet	742.14	149.95
		For Solid Steel Door, Deduct	-8.60	
10 44 13 00-0163	EA	33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet	752.39	149.95
		For Solid Steel Door, Deduct	-8.60	
10 44 13 00-0164	EA	41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet	787.17	149.95
		For Solid Steel Door, Deduct	-8.60	
10 44 13 00-0165	EA	26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet	797.42	149.95
		For Solid Steel Door, Deduct	-8.60	
10 44 13 00-0166	Aluminum Door And Trim, Surface Mount Fire Hose Cabinets (10 44 13 00-0157)			
	Note: Includes clear satin anodized finish, aluminum door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.			
10 44 13 00-0167	EA	37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet	793.07	149.95
		For Solid Aluminum Door, Add	6.50	
10 44 13 00-0168	EA	33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet	812.87	149.95
		For Solid Aluminum Door, Add	6.50	
10 44 13 00-0169	EA	37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet	818.01	149.95
		For Solid Aluminum Door, Add	6.50	
10 44 13 00-0170	EA	41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet	823.67	149.95
		For Solid Aluminum Door, Add	6.50	
10 44 13 00-0171	EA	41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet	832.67	149.95
		For Solid Aluminum Door, Add	6.50	
10 44 13 00-0172	EA	41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet	865.07	149.95
		For Solid Aluminum Door, Add	6.50	
10 44 13 00-0173	EA	26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet	884.87	149.95
		For Solid Aluminum Door, Add	6.50	
10 44 13 00-0174	Stainless Steel Door And Trim, Surface Mount Fire Hose Cabinets (10 44 13 00-0157)			
	Note: Includes #4 finish, 304 stainless steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.			
10 44 13 00-0175	EA	26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,099.80	149.95
		For Solid Stainless Steel Door, Deduct	-7.70	
10 44 13 00-0176	EA	37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,426.85	149.95
		For Solid Stainless Steel Door, Deduct	-7.70	
10 44 13 00-0177	EA	41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,509.59	149.95
		For Solid Stainless Steel Door, Deduct	-7.70	
10 44 13 00-0178	EA	37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,529.29	149.95
		For Solid Stainless Steel Door, Deduct	-7.70	
10 44 13 00-0179	EA	41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,549.00	149.95
		For Solid Stainless Steel Door, Deduct	-7.70	
10 44 13 00-0180	EA	33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,631.74	149.95
		For Solid Stainless Steel Door, Deduct	-7.70	
10 44 13 00-0181	EA	41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,734.19	149.95
		For Solid Stainless Steel Door, Deduct	-7.70	
10 44 16	Fire Extinguishers (10 44)			
10 44 16 13	Portable Fire Extinguishers (10 44 16)			
	Note: Includes filling, certification, bracket, hardware and mounting on wall.			
10 44 16 13-0001	Carbon Dioxide Type, Class BC Portable Fire Extinguisher (10 44 16 13)			
10 44 16 13-0002	EA	2.5 Lb. Carbon Dioxide, Type BC Portable Fire Extinguisher	193.71	16.68
		For >5 To 10, Deduct	-5.41	
		For >10, Deduct	-10.82	
		For Placement In Cabinet, Deduct	-42.78	

10 Specialties**10 40 Safety Specialties****10 44 Fire Protection Specialties**

MINOR			TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
10 44 16 13-0003	EA	5 Lb. Carbon Dioxide, Type BC Portable Fire Extinguisher	277.47		19.25
		For >5 To 10, Deduct	-8.94		
		For >10, Deduct	-17.87		
		For Placement In Cabinet, Deduct	-49.37		
10 44 16 13-0004	EA	10 Lb. Carbon Dioxide, Type BC Portable Fire Extinguisher	360.90		24.39
		For >5 To 10, Deduct	-11.63		
		For >10, Deduct	-23.26		
		For Placement In Cabinet, Deduct	-64.17		
10 44 16 13-0005	EA	15 Lb. Carbon Dioxide, Type BC Portable Fire Extinguisher	444.85		30.80
		For >5 To 10, Deduct	-14.22		
		For >10, Deduct	-28.44		
		For Placement In Cabinet, Deduct	-80.21		
10 44 16 13-0006	EA	20 Lb. Carbon Dioxide, Type BC Portable Fire Extinguisher	491.32		30.80
		For >5 To 10, Deduct	-16.55		
		For >10, Deduct	-33.09		
		For Placement In Cabinet, Deduct	-80.21		
10 44 16 13-0007	EA	50 Lb. Carbon Dioxide, Type BC Wheeled Fire Extinguisher	1,524.09		48.77
		For >5 To 10, Deduct	-63.37		
		For >10, Deduct	-126.74		
10 44 16 13-0008	EA	100 Lb. Carbon Dioxide, Type BC Wheeled Fire Extinguisher	2,936.74		48.77
		For >5 To 10, Deduct	-134.00		
		For >10, Deduct	-268.01		
10 44 16 13-0009 Dry Chemical Type, Class ABC Portable Fire Extinguisher (10 44 16 13)					
10 44 16 13-0010	EA	2.6 Lb. Dry Chemical, Type ABC Portable Fire Extinguisher	126.80		16.68
		For >5 To 10, Deduct	-2.06		
		For >10, Deduct	-4.12		
		For Placement In Cabinet, Deduct	-42.78		
10 44 16 13-0011	EA	5 Lb. Dry Chemical, Type ABC Portable Fire Extinguisher	157.22		19.25
		For >5 To 10, Deduct	-2.92		
		For >10, Deduct	-5.85		
		For Placement In Cabinet, Deduct	-49.37		
10 44 16 13-0012	EA	10 Lb. Dry Chemical, Type ABC Portable Fire Extinguisher	221.45		24.39
		For >5 To 10, Deduct	-4.66		
		For >10, Deduct	-9.31		
		For Placement In Cabinet, Deduct	-64.17		
10 44 16 13-0013	EA	20 Lb. Dry Chemical, Type ABC Portable Fire Extinguisher	306.96		30.80
		For >5 To 10, Deduct	-7.33		
		For >10, Deduct	-14.65		
		For Placement In Cabinet, Deduct	-80.21		
10 44 16 13-0014	EA	50 Lb. Dry Chemical, Type ABC Wheeled Fire Extinguisher	1,816.30		48.77
		For >5 To 10, Deduct	-77.98		
		For >10, Deduct	-155.96		
10 44 16 13-0015	EA	125 Lb. Dry Chemical, Type ABC Wheeled Fire Extinguisher	2,670.46		48.77
		For >5 To 10, Deduct	-120.69		
		For >10, Deduct	-241.38		
10 44 16 13-0016	EA	5 Lb. Dry Chemical Extinguisher, Red Steel, 2A:10B:C	172.43		19.25
		For >5 To 10, Deduct	-3.69		
		For >10, Deduct	-7.37		
10 44 16 13-0017	EA	10 Lb. Dry Chemical Extinguisher, Red Steel, 2A:20B:C	243.80		24.39
		For >5 To 10, Deduct	-5.77		
		For >10, Deduct	-11.55		
10 44 16 13-0018 Dry Chemical Type, Class BC Portable Fire Extinguisher (10 44 16 13)					
10 44 16 13-0019	EA	5 Lb. Dry Chemical Extinguisher, Red Steel, 40B:C	178.10		42.78
10 44 16 13-0020 Other Portable Fire Extinguishers (10 44 16 13)					
10 44 16 13-0021	EA	2.5 Gallon Water, Stored Pressure Portable Fire Extinguisher	218.68		19.25
		Note: Stainless steel.			
		For >5 To 10, Deduct	-6.00		
		For >10, Deduct	-12.00		
		For Placement In Cabinet, Deduct	-49.37		
10 44 16 13-0022	EA	1.6 Gallon Wet Chemical, Class K Portable Fire Extinguisher	333.54		30.80
		Note: Stainless steel.			
		For >5 To 10, Deduct	-8.66		
		For >10, Deduct	-17.31		
		For Placement In Cabinet, Deduct	-80.21		
10 44 16 13-0023	EA	2.5 Gallon Wet Chemical, Class K Portable Fire Extinguisher	352.40		30.80
		Note: Stainless steel.			
		For >5 To 10, Deduct	-9.60		
		For >10, Deduct	-19.20		
		For Placement In Cabinet, Deduct	-80.21		
10 44 16 13-0024	EA	30 Lb. Dry Powder, Class D Portable Fire Extinguisher	482.68		30.80
		Note: Yellow steel.			
		For >5 To 10, Deduct	-16.11		
		For >10, Deduct	-32.23		
10 44 16 13-0025	EA	5 Lb. Halotron 1 Fire Extinguisher, 5B:C	418.84		42.78
		For >5 To 10, Deduct	-16.66		
		For >10, Deduct	-33.33		
10 44 16 13-0026 Fire Extinguisher Backboards (10 44 16 13)					
10 44 16 13-0027 Fire Extinguisher Backboards (10 44 16 13-0026)					
		Note: Mounted to any wall. Includes anchors.			
10 44 16 13-0028	EA	Red Painted 1/2" x 12" x 40" Beveled Edge Plywood Fire Extinguisher Backboard	135.18		21.97

			Specialties	10	10
			Safety Specialties	10 40	
			Fire Protection Specialties	10 44	
			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	

10 44 16 13-0029 EA Relocate Fire Extinguisher Wood Backboard, Any Size 193.85
Note: Includes storage and cleaning.

10 44 16 13-0030 Inspections And Testing (10 44 16 13)

10 44 16 13-0031 EA On Site Fire Extinguisher Annual Inspection (Tag)..... 8.65
10 44 16 13-0032 EA On Site Fire Extinguisher Hydrotest..... 12.71

10 44 19 Fire Blankets (10 44)

10 44 19 00-0001 EA Vertical Roller Type Fire Blanket Cabinet (JL Industries 1FB)..... 552.54 52.62
Note: Includes a 62" x 84", 3-1/2 pound, processed wool fire blanket.
10 44 19 00-0002 EA Drop Type Fire Blanket Cabinet (JL Industries 2FB) 403.83 52.62
Note: Includes a 62" x 84", 3-1/2 pound, processed wool fire blanket.

10 45 Photoluminescent Exit Specialties (10 40)

10 45 00 00-0001 Photoluminescent Illuminated Egress Markings (10 45)

10 45 00 00-0002 LF 1" Wide Egress / Exit Photoluminescent Path Marking Tape Applied To Floors..... 9.13
Note: Peel and stick.
For Wall Applied, Add 0.90
10 45 00 00-0003 LF 1-1/2" Wide Egress / Exit Photoluminescent Path Marking Tape Applied To Floors 9.70
Note: Peel and stick.
For Wall Applied, Add 0.90
10 45 00 00-0004 LF 2" Wide Egress / Exit Photoluminescent Path Marking Tape Applied To Floors..... 10.27
Note: Peel and stick.
For Wall Applied, Add 0.90
10 45 00 00-0005 LF 1-1/2" Wide Egress / Exit Photoluminescent Path Marking Tape With Arrows Applied To Floors 9.70
Note: Peel and stick.
For Wall Applied, Add 0.90
10 45 00 00-0006 LF 2" Wide Egress / Exit Photoluminescent Path Marking Tape With Arrows Applied To Floors 10.83
Note: Peel and stick.
For Wall Applied, Add 0.90
10 45 00 00-0007 LF 1-1/2" Wide Egress Photoluminescent Danger Warning Marking Tape With Stripes Applied To Floors 11.55
Note: Peel and stick.
For Wall Applied, Add 0.90
10 45 00 00-0008 EA 1" Wide x 48" Long Photoluminescent Strip Exit Path Marking Applied To Floors..... 50.56
Note: Self adhesive, high bond foam backing.
10 45 00 00-0009 EA 1" Wide x 30" Long Aluminum Stair Nosing With Photoluminescent Strip 49.97
Note: Self adhesive, high bond foam backing.

10 50 Storage Specialties (10)

10 51 Lockers (10 50)

10 51 13 Metal Lockers (10 51)

10 51 13 00-0001 Institutional And Corridor Lockers (10 51 13)

Note: Price per frame. Includes baked enamel 24 gauge solid body components and 6" legs. Excludes slope top, base fillers, and locks.

10 51 13 00-0002 Single Tier Institutional Or Corridor Locker (10 51 13 00-0001)

Note: Includes one hat shelf, three single hooks and one double hook.

10 51 13 00-0003 EA 12" x 12" x 48" Single Tier Institutional Or Corridor Locker..... 298.46 39.78
For >25 To 50, Deduct -10.94
For >50 To 100, Deduct -23.08
For >100, Deduct -35.22
For 14 Gauge Doors, Add 17.51
10 51 13 00-0004 EA 12" x 15" x 48" Single Tier Institutional Or Corridor Locker..... 307.13 39.78
For >25 To 50, Deduct -11.38
For >50 To 100, Deduct -23.95
For >100, Deduct -36.52
For 14 Gauge Doors, Add 18.20
10 51 13 00-0005 EA 12" x 18" x 48" Single Tier Institutional Or Corridor Locker..... 315.78 39.78
For >25 To 50, Deduct -11.81
For >50 To 100, Deduct -24.81
For >100, Deduct -37.82
For 14 Gauge Doors, Add 18.90
10 51 13 00-0006 EA 12" x 12" x 60" Single Tier Institutional Or Corridor Locker..... 282.61 39.78
For >25 To 50, Deduct -10.15
For >50 To 100, Deduct -21.50
For >100, Deduct -32.84
For 14 Gauge Doors, Add 16.24
10 51 13 00-0007 EA 12" x 15" x 60" Single Tier Institutional Or Corridor Locker..... 293.37 39.78
For >25 To 50, Deduct -10.69
For >50 To 100, Deduct -22.57
For >100, Deduct -34.46
For 14 Gauge Doors, Add 17.10
10 51 13 00-0008 EA 12" x 18" x 60" Single Tier Institutional Or Corridor Locker..... 308.08 39.78
For >25 To 50, Deduct -11.43
For >50 To 100, Deduct -24.04
For >100, Deduct -36.66
For 14 Gauge Doors, Add 18.28

10 Specialties**10 50 Storage Specialties****10 51 Lockers**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

10 51 13 00-0009	EA	12" x 12" x 72" Single Tier Institutional Or Corridor Locker.....	307.51	41.07
		For >25 To 50, Deduct	-11.27	
		For >50 To 100, Deduct	-23.77	
		For >100, Deduct	-36.27	
		For 14 Gauge Doors, Add	18.03	
10 51 13 00-0010	EA	12" x 15" x 72" Single Tier Institutional Or Corridor Locker.....	316.43	41.07
		For >25 To 50, Deduct	-11.71	
		For >50 To 100, Deduct	-24.66	
		For >100, Deduct	-37.61	
		For 14 Gauge Doors, Add	18.74	
10 51 13 00-0011	EA	12" x 18" x 72" Single Tier Institutional Or Corridor Locker.....	325.12	41.07
		For >25 To 50, Deduct	-12.15	
		For >50 To 100, Deduct	-25.53	
		For >100, Deduct	-38.91	
		For 14 Gauge Doors, Add	19.44	
10 51 13 00-0012	EA	15" x 15" x 72" Single Tier Institutional Or Corridor Locker.....	340.13	41.07
		For >25 To 50, Deduct	-12.90	
		For >50 To 100, Deduct	-27.03	
		For >100, Deduct	-41.16	
		For 14 Gauge Doors, Add	20.64	
10 51 13 00-0013	EA	15" x 18" x 72" Single Tier Institutional Or Corridor Locker.....	354.99	41.07
		For >25 To 50, Deduct	-13.64	
		For >50 To 100, Deduct	-28.52	
		For >100, Deduct	-43.39	
		For 14 Gauge Doors, Add	21.83	
10 51 13 00-0014	EA	18" x 18" x 72" Single Tier Institutional Or Corridor Locker.....	370.72	41.07
		For >25 To 50, Deduct	-14.43	
		For >50 To 100, Deduct	-30.09	
		For >100, Deduct	-45.75	
		For 14 Gauge Doors, Add	23.09	
10 51 13 00-0015	EA	18" x 21" x 72" Single Tier Institutional Or Corridor Locker.....	385.25	41.07
		For >25 To 50, Deduct	-15.16	
		For >50 To 100, Deduct	-31.54	
		For >100, Deduct	-47.93	
		For 14 Gauge Doors, Add	24.25	
10 51 13 00-0016	EA	24" x 24" x 72" Single Tier Institutional Or Corridor Locker.....	517.99	41.07
		For >25 To 50, Deduct	-21.79	
		For >50 To 100, Deduct	-44.82	
		For >100, Deduct	-67.84	
		For 14 Gauge Doors, Add	34.87	

10 51 13 00-0017 Two Tier Institutional Or Corridor Locker (10 51 13 00-0001)

Note: Includes three single hooks and one double hook per tier.

10 51 13 00-0018	EA	12" x 12" x 60" Two Tier Institutional Or Corridor Locker.....	332.62	41.07
		For >25 To 50, Deduct	-12.52	
		For >50 To 100, Deduct	-26.28	
		For >100, Deduct	-40.04	
		For 14 Gauge Doors, Add	27.55	
10 51 13 00-0019	EA	12" x 15" x 60" Two Tier Institutional Or Corridor Locker.....	339.39	41.07
		For >25 To 50, Deduct	-12.86	
		For >50 To 100, Deduct	-26.96	
		For >100, Deduct	-41.05	
		For 14 Gauge Doors, Add	28.30	
10 51 13 00-0020	EA	12" x 18" x 60" Two Tier Institutional Or Corridor Locker.....	346.23	41.07
		For >25 To 50, Deduct	-13.20	
		For >50 To 100, Deduct	-27.64	
		For >100, Deduct	-42.08	
		For 14 Gauge Doors, Add	29.05	
10 51 13 00-0021	EA	12" x 12" x 72" Two Tier Institutional Or Corridor Locker.....	347.63	42.35
		For >25 To 50, Deduct	-13.15	
		For >50 To 100, Deduct	-27.56	
		For >100, Deduct	-41.98	
		For 14 Gauge Doors, Add	28.92	
10 51 13 00-0022	EA	12" x 15" x 72" Two Tier Institutional Or Corridor Locker.....	362.45	42.35
		For >25 To 50, Deduct	-13.89	
		For >50 To 100, Deduct	-29.04	
		For >100, Deduct	-44.20	
		For 14 Gauge Doors, Add	30.55	
10 51 13 00-0023	EA	12" x 18" x 72" Two Tier Institutional Or Corridor Locker.....	371.39	42.35
		For >25 To 50, Deduct	-14.33	
		For >50 To 100, Deduct	-29.94	
		For >100, Deduct	-45.54	
		For 14 Gauge Doors, Add	31.53	
10 51 13 00-0024	EA	15" x 15" x 72" Two Tier Institutional Or Corridor Locker.....	384.21	42.35
		For >25 To 50, Deduct	-14.98	
		For >50 To 100, Deduct	-31.22	
		For >100, Deduct	-47.47	
		For 14 Gauge Doors, Add	32.95	
10 51 13 00-0025	EA	15" x 18" x 72" Two Tier Institutional Or Corridor Locker.....	397.09	42.35
		For >25 To 50, Deduct	-15.62	
		For >50 To 100, Deduct	-32.51	
		For >100, Deduct	-49.40	
		For 14 Gauge Doors, Add	34.36	
10 51 13 00-0026	EA	18" x 18" x 72" Two Tier Institutional Or Corridor Locker.....	455.35	42.35
		For >25 To 50, Deduct	-18.53	
		For >50 To 100, Deduct	-38.33	
		For >100, Deduct	-58.14	
		For 14 Gauge Doors, Add	40.77	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0027	EA		18" x 21" x 72" Two Tier Institutional Or Corridor Locker.....	465.93	42.35
			For >25 To 50, Deduct	-19.06	
			For >50 To 100, Deduct	-39.39	
			For >100, Deduct	-59.72	
			For 14 Gauge Doors, Add	41.93	
10 51 13 00-0028			Three Tier Institutional Or Corridor Locker (10 51 13 00-0001)		
			Note: Includes one double hook per tier.		
10 51 13 00-0029	EA		12" x 12" x 72" Three Tier Institutional Or Corridor Locker	389.53	43.64
			For >25 To 50, Deduct	-15.11	
			For >50 To 100, Deduct	-31.54	
			For >100, Deduct	-47.96	
			For 14 Gauge Doors, Add	45.34	
10 51 13 00-0030	EA		12" x 15" x 72" Three Tier Institutional Or Corridor Locker	396.49	43.64
			For >25 To 50, Deduct	-15.46	
			For >50 To 100, Deduct	-32.23	
			For >100, Deduct	-49.00	
			For 14 Gauge Doors, Add	46.38	
10 51 13 00-0031	EA		12" x 18" x 72" Three Tier Institutional Or Corridor Locker	421.22	43.64
			For >25 To 50, Deduct	-16.70	
			For >50 To 100, Deduct	-34.70	
			For >100, Deduct	-52.71	
			For 14 Gauge Doors, Add	50.09	
10 51 13 00-0032	EA		15" x 15" x 72" Three Tier Institutional Or Corridor Locker	444.91	43.64
			For >25 To 50, Deduct	-17.88	
			For >50 To 100, Deduct	-37.07	
			For >100, Deduct	-56.26	
			For 14 Gauge Doors, Add	53.65	
10 51 13 00-0033	EA		15" x 18" x 72" Three Tier Institutional Or Corridor Locker	463.77	43.64
			For >25 To 50, Deduct	-18.83	
			For >50 To 100, Deduct	-38.96	
			For >100, Deduct	-59.09	
			For 14 Gauge Doors, Add	56.48	
10 51 13 00-0034			Four Tier Institutional Or Corridor Locker (10 51 13 00-0001)		
10 51 13 00-0035	EA		12" x 12" x 72" Four Tier Institutional Or Corridor Locker	382.80	44.92
			For >25 To 50, Deduct	-14.65	
			For >50 To 100, Deduct	-30.64	
			For >100, Deduct	-46.64	
10 51 13 00-0036	EA		12" x 15" x 72" Four Tier Institutional Or Corridor Locker	394.94	44.92
			For >25 To 50, Deduct	-15.26	
			For >50 To 100, Deduct	-31.86	
			For >100, Deduct	-48.46	
10 51 13 00-0037	EA		12" x 18" x 72" Four Tier Institutional Or Corridor Locker	414.48	44.92
			For >25 To 50, Deduct	-16.23	
			For >50 To 100, Deduct	-33.81	
			For >100, Deduct	-51.39	
10 51 13 00-0038	EA		15" x 15" x 72" Four Tier Institutional Or Corridor Locker	430.11	44.92
			For >25 To 50, Deduct	-17.01	
			For >50 To 100, Deduct	-35.37	
			For >100, Deduct	-53.74	
10 51 13 00-0039	EA		15" x 18" x 72" Four Tier Institutional Or Corridor Locker	452.62	44.92
			For >25 To 50, Deduct	-18.14	
			For >50 To 100, Deduct	-37.63	
			For >100, Deduct	-57.11	
10 51 13 00-0040			Six Tier Institutional Or Corridor Locker (10 51 13 00-0001)		
10 51 13 00-0041	EA		12" x 12" x 72" Six Tier Institutional Or Corridor Locker.....	415.92	46.20
			For >25 To 50, Deduct	-16.18	
			For >50 To 100, Deduct	-33.74	
			For >100, Deduct	-51.30	
10 51 13 00-0042	EA		12" x 15" x 72" Six Tier Institutional Or Corridor Locker.....	425.28	46.20
			For >25 To 50, Deduct	-16.64	
			For >50 To 100, Deduct	-34.67	
			For >100, Deduct	-52.70	
10 51 13 00-0043	EA		12" x 18" x 72" Six Tier Institutional Or Corridor Locker.....	442.96	46.20
			For >25 To 50, Deduct	-17.53	
			For >50 To 100, Deduct	-36.44	
			For >100, Deduct	-55.35	
10 51 13 00-0044			Locker And Coat Rack Combination (10 51 13 00-0001)		
10 51 13 00-0045	EA		45" x 18" x 12", 4 Person Wall Mount Locker And Coat Rack Combination	757.84	30.80
10 51 13 00-0046	EA		72" x 18" x 78", 16 Person Locker And Coat Rack Combination	1,214.90	64.17
10 51 13 00-0047			Athletic Lockers (10 51 13)		
			Note: Price per frame. Includes baked enamel paint, diamond perforated doors and sides, 16 gauge solid top, bottom, and shelves and 6" legs. Excludes slope top, base fillers, and locks.		
10 51 13 00-0048			Single Tier Athletic Locker (10 51 13 00-0047)		
			Note: Includes one hat shelf, three single hooks and one double hook.		
10 51 13 00-0049	EA		12" x 15" x 60" Single Tier Athletic Locker	420.05	41.07
			For >25 To 50, Deduct	-16.90	
			For >50 To 100, Deduct	-35.02	
			For >100, Deduct	-53.15	

10 Specialties**10 50 Storage Specialties****10 51 Lockers**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

10 51 13 00-0050	EA	12" x 18" x 60" Single Tier Athletic Locker	434.31	41.07
		For >25 To 50, Deduct	-17.61	
		For >50 To 100, Deduct	-36.45	
		For >100, Deduct	-55.29	
10 51 13 00-0051	EA	15" x 15" x 60" Single Tier Athletic Locker	443.49	41.07
		For >25 To 50, Deduct	-18.07	
		For >50 To 100, Deduct	-37.37	
		For >100, Deduct	-56.67	
10 51 13 00-0052	EA	15" x 18" x 60" Single Tier Athletic Locker	458.72	41.07
		For >25 To 50, Deduct	-18.83	
		For >50 To 100, Deduct	-38.89	
		For >100, Deduct	-58.95	
10 51 13 00-0053	EA	18" x 18" x 60" Single Tier Athletic Locker	524.44	41.07
		For >25 To 50, Deduct	-22.12	
		For >50 To 100, Deduct	-45.46	
		For >100, Deduct	-68.81	
10 51 13 00-0054	EA	18" x 21" x 60" Single Tier Athletic Locker	576.69	41.07
		For >25 To 50, Deduct	-24.73	
		For >50 To 100, Deduct	-50.69	
		For >100, Deduct	-76.65	
10 51 13 00-0055	EA	18" x 24" x 60" Single Tier Athletic Locker	612.43	41.07
		For >25 To 50, Deduct	-26.51	
		For >50 To 100, Deduct	-54.26	
		For >100, Deduct	-82.01	
10 51 13 00-0056	EA	12" x 15" x 72" Single Tier Athletic Locker	435.88	41.07
		For >25 To 50, Deduct	-17.69	
		For >50 To 100, Deduct	-36.61	
		For >100, Deduct	-55.53	
10 51 13 00-0057	EA	12" x 18" x 72" Single Tier Athletic Locker	461.59	41.07
		For >25 To 50, Deduct	-18.97	
		For >50 To 100, Deduct	-39.18	
		For >100, Deduct	-59.38	
10 51 13 00-0058	EA	15" x 15" x 72" Single Tier Athletic Locker	470.62	41.07
		For >25 To 50, Deduct	-19.42	
		For >50 To 100, Deduct	-40.08	
		For >100, Deduct	-60.74	
10 51 13 00-0059	EA	15" x 18" x 72" Single Tier Athletic Locker	487.12	41.07
		For >25 To 50, Deduct	-20.25	
		For >50 To 100, Deduct	-41.73	
		For >100, Deduct	-63.21	
10 51 13 00-0060	EA	18" x 18" x 72" Single Tier Athletic Locker	527.81	41.07
		For >25 To 50, Deduct	-22.28	
		For >50 To 100, Deduct	-45.80	
		For >100, Deduct	-69.31	
10 51 13 00-0061	EA	18" x 21" x 72" Single Tier Athletic Locker	570.45	41.07
		For >25 To 50, Deduct	-24.42	
		For >50 To 100, Deduct	-50.06	
		For >100, Deduct	-75.71	

10 51 13 00-0062 Two Tier Athletic Locker (10 51 13 00-0047)

Note: Includes three single hooks and one double hook per tier.

10 51 13 00-0063	EA	12" x 12" x 60" Two Tier Athletic Locker	470.27	42.35
		For >25 To 50, Deduct	-19.28	
		For >50 To 100, Deduct	-39.83	
		For >100, Deduct	-60.38	
10 51 13 00-0064	EA	12" x 15" x 60" Two Tier Athletic Locker	485.46	42.35
		For >25 To 50, Deduct	-20.04	
		For >50 To 100, Deduct	-41.35	
		For >100, Deduct	-62.65	
10 51 13 00-0065	EA	12" x 18" x 60" Two Tier Athletic Locker	502.56	42.35
		For >25 To 50, Deduct	-20.89	
		For >50 To 100, Deduct	-43.06	
		For >100, Deduct	-65.22	
10 51 13 00-0066	EA	15" x 15" x 60" Two Tier Athletic Locker	504.22	42.35
		For >25 To 50, Deduct	-20.98	
		For >50 To 100, Deduct	-43.22	
		For >100, Deduct	-65.47	
10 51 13 00-0067	EA	15" x 18" x 60" Two Tier Athletic Locker	507.78	42.35
		For >25 To 50, Deduct	-21.15	
		For >50 To 100, Deduct	-43.58	
		For >100, Deduct	-66.00	
10 51 13 00-0068	EA	18" x 18" x 60" Two Tier Athletic Locker	537.82	42.35
		For >25 To 50, Deduct	-22.66	
		For >50 To 100, Deduct	-46.58	
		For >100, Deduct	-70.51	
10 51 13 00-0069	EA	18" x 21" x 60" Two Tier Athletic Locker	559.83	42.35
		For >25 To 50, Deduct	-23.76	
		For >50 To 100, Deduct	-48.78	
		For >100, Deduct	-73.81	
10 51 13 00-0070	EA	18" x 24" x 60" Two Tier Athletic Locker	658.10	42.35
		For >25 To 50, Deduct	-28.67	
		For >50 To 100, Deduct	-58.61	
		For >100, Deduct	-88.55	
10 51 13 00-0071	EA	12" x 12" x 72" Two Tier Athletic Locker	486.71	42.35
		For >25 To 50, Deduct	-20.10	
		For >50 To 100, Deduct	-41.47	
		For >100, Deduct	-62.84	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0072	EA	12" x 15" x 72" Two Tier Athletic Locker	502.27	42.35
		For >25 To 50, Deduct	-20.88	
		For >50 To 100, Deduct	-43.03	
		For >100, Deduct	-65.18	
10 51 13 00-0073	EA	12" x 18" x 72" Two Tier Athletic Locker	523.48	42.35
		For >25 To 50, Deduct	-21.94	
		For >50 To 100, Deduct	-45.15	
		For >100, Deduct	-68.36	
10 51 13 00-0074	EA	15" x 15" x 72" Two Tier Athletic Locker	526.69	42.35
		For >25 To 50, Deduct	-22.10	
		For >50 To 100, Deduct	-45.47	
		For >100, Deduct	-68.84	
10 51 13 00-0075	EA	15" x 18" x 72" Two Tier Athletic Locker	544.12	42.35
		For >25 To 50, Deduct	-22.97	
		For >50 To 100, Deduct	-47.21	
		For >100, Deduct	-71.45	
10 51 13 00-0076	EA	18" x 18" x 72" Two Tier Athletic Locker	565.53	42.35
		For >25 To 50, Deduct	-24.04	
		For >50 To 100, Deduct	-49.35	
		For >100, Deduct	-74.66	
10 51 13 00-0077	EA	18" x 21" x 72" Two Tier Athletic Locker	613.59	42.35
		For >25 To 50, Deduct	-26.44	
		For >50 To 100, Deduct	-54.16	
		For >100, Deduct	-81.87	
10 51 13 00-0078 Three Tier Athletic Locker (10 51 13 00-0047)				
Note: Includes one double hook per tier.				
10 51 13 00-0079	EA	12" x 12" x 60" Three Tier Athletic Locker	509.41	43.64
		For >25 To 50, Deduct	-21.11	
		For >50 To 100, Deduct	-43.52	
		For >100, Deduct	-65.94	
10 51 13 00-0080	EA	12" x 15" x 60" Three Tier Athletic Locker	534.03	43.64
		For >25 To 50, Deduct	-22.34	
		For >50 To 100, Deduct	-45.99	
		For >100, Deduct	-69.63	
10 51 13 00-0081	EA	12" x 18" x 60" Three Tier Athletic Locker	555.79	43.64
		For >25 To 50, Deduct	-23.43	
		For >50 To 100, Deduct	-48.16	
		For >100, Deduct	-72.90	
10 51 13 00-0082	EA	15" x 15" x 60" Three Tier Athletic Locker	570.58	43.64
		For >25 To 50, Deduct	-24.17	
		For >50 To 100, Deduct	-49.64	
		For >100, Deduct	-75.11	
10 51 13 00-0083	EA	15" x 18" x 60" Three Tier Athletic Locker	595.19	43.64
		For >25 To 50, Deduct	-25.40	
		For >50 To 100, Deduct	-52.10	
		For >100, Deduct	-78.81	
10 51 13 00-0084	EA	12" x 12" x 72" Three Tier Athletic Locker	537.46	43.64
		For >25 To 50, Deduct	-22.51	
		For >50 To 100, Deduct	-46.33	
		For >100, Deduct	-70.15	
10 51 13 00-0085	EA	12" x 15" x 72" Three Tier Athletic Locker	559.69	43.64
		For >25 To 50, Deduct	-23.62	
		For >50 To 100, Deduct	-48.55	
		For >100, Deduct	-73.48	
10 51 13 00-0086	EA	12" x 18" x 72" Three Tier Athletic Locker	590.37	43.64
		For >25 To 50, Deduct	-25.16	
		For >50 To 100, Deduct	-51.62	
		For >100, Deduct	-78.08	
10 51 13 00-0087	EA	15" x 15" x 72" Three Tier Athletic Locker	606.07	43.64
		For >25 To 50, Deduct	-25.94	
		For >50 To 100, Deduct	-53.19	
		For >100, Deduct	-80.44	
10 51 13 00-0088	EA	15" x 18" x 72" Three Tier Athletic Locker	629.63	43.64
		For >25 To 50, Deduct	-27.12	
		For >50 To 100, Deduct	-55.55	
		For >100, Deduct	-83.97	
10 51 13 00-0089 Four Tier Athletic Locker (10 51 13 00-0047)				
10 51 13 00-0090	EA	12" x 12" x 60" Four Tier Athletic Locker	469.99	44.92
		For >25 To 50, Deduct	-19.01	
		For >50 To 100, Deduct	-39.36	
		For >100, Deduct	-59.72	
10 51 13 00-0091	EA	12" x 15" x 60" Four Tier Athletic Locker	500.14	44.92
		For >25 To 50, Deduct	-20.52	
		For >50 To 100, Deduct	-42.38	
		For >100, Deduct	-64.24	
10 51 13 00-0092	EA	12" x 18" x 60" Four Tier Athletic Locker	530.29	44.92
		For >25 To 50, Deduct	-22.02	
		For >50 To 100, Deduct	-45.39	
		For >100, Deduct	-68.76	
10 51 13 00-0093	EA	15" x 15" x 60" Four Tier Athletic Locker	542.61	44.92
		For >25 To 50, Deduct	-22.64	
		For >50 To 100, Deduct	-46.62	
		For >100, Deduct	-70.61	

10	10	Specialties
	10 50	Storage Specialties
	10 51	Lockers



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
10 51 13 00-0094	EA 15" x 18" x 60" Four Tier Athletic Locker For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	592.14 -25.12 -51.58 -78.04		44.92
10 51 13 00-0095	EA 12" x 12" x 72" Four Tier Athletic Locker For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	500.67 -20.54 -42.43 -64.32		44.92
10 51 13 00-0096	EA 12" x 15" x 72" Four Tier Athletic Locker For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	531.25 -22.07 -45.49 -68.91		44.92
10 51 13 00-0097	EA 12" x 18" x 72" Four Tier Athletic Locker For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	561.83 -23.60 -48.55 -73.49		44.92
10 51 13 00-0098	EA 15" x 15" x 72" Four Tier Athletic Locker For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	577.49 -24.38 -50.11 -75.84		44.92
10 51 13 00-0099	EA 15" x 18" x 72" Four Tier Athletic Locker For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	589.24 -24.97 -51.29 -77.61		44.92
10 51 13 00-0100	Six Tier Athletic Locker (10 51 13 00-0047)			
10 51 13 00-0101	EA 12" x 12" x 72" Six Tier Athletic Locker For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	554.67 -23.11 -47.61 -72.11		46.20
10 51 13 00-0102	EA 12" x 15" x 72" Six Tier Athletic Locker For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	578.17 -24.29 -49.96 -75.64		46.20
10 51 13 00-0103	EA 12" x 18" x 72" Six Tier Athletic Locker For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	601.62 -25.46 -52.31 -79.15		46.20
10 51 13 00-0104	EA 12" x 21" x 72" Six Tier Athletic Locker For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	687.21 -29.74 -60.87 -91.99		46.20
10 51 13 00-0105	Open Front, All-Welded Steel Stadium Lockers (10 51 13)			
	Note: 16 gauge perforated with diamond-shaped holes sides, 18 gauge solid back, 16 gauge top, bottom, front frame and shelf. The gauge of the optional foot locker seat and security box door is 14 GA.			
10 51 13 00-0106	EA 18" x 18" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD01)..... Note: Includes shelf and 4" high integral base. For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	296.30 -13.05 -26.63 -40.21		24.71
10 51 13 00-0107	EA 24" x 18" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD10)..... Note: Includes shelf and 4" high integral base. For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	318.26 -13.99 -28.55 -43.12		26.95
10 51 13 00-0108	EA 24" x 21" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD20)..... Note: Includes shelf and 4" high integral base. For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	332.19 -14.68 -29.95 -45.21		26.95
10 51 13 00-0109	EA 24" x 24" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD30)..... Note: Includes shelf and 4" high integral base. For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	344.97 -15.32 -31.22 -47.12		26.95
10 51 13 00-0110	EA 33" x 18" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD40)..... Note: Includes shelf and 4" high integral base. For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	326.93 -14.13 -28.93 -43.73		31.05
10 51 13 00-0111	EA 33" x 21" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD50)..... Note: Includes shelf and 4" high integral base. For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	351.65 -15.37 -31.40 -47.43		31.05
10 51 13 00-0112	EA 33" x 24" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD60)..... Note: Includes shelf and 4" high integral base. For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	362.60 -15.92 -32.50 -49.08		31.05
10 51 13 00-0113	EA 18" x 18" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD09)..... Note: Includes shelf, security box and 4" high integral base. For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	305.54 -13.51 -27.55 -41.60		24.71

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51	13 00-0114	EA	24" x 18" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD11) Note: Includes shelf, security box and 4" high integral base. For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	347.40 -15.44 -31.47 -47.49	26.95
10 51	13 00-0115	EA	24" x 21" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD21) Note: Includes shelf, security box and 4" high integral base. For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	363.42 -16.25 -33.07 -49.89	26.95
10 51	13 00-0116	EA	24" x 24" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD31) Note: Includes shelf, security box and 4" high integral base. For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	370.57 -16.60 -33.78 -50.96	26.95
10 51	13 00-0117	EA	33" x 18" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD41) Note: Includes shelf, security box and 4" high integral base. For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	358.18 -15.70 -32.05 -48.41	31.05
10 51	13 00-0118	EA	33" x 21" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD51) Note: Includes shelf, security box and 4" high integral base. For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	382.91 -16.93 -34.53 -52.12	31.05
10 51	13 00-0119	EA	33" x 24" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD61) Note: Includes shelf, security box and 4" high integral base. For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	390.21 -17.30 -35.26 -53.22	31.05
10 51	13 00-0120	EA	18" x 18" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD02) Note: Includes shelf, foot locker and 4" high integral base. For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	363.25 -16.40 -33.32 -50.25	24.71
10 51	13 00-0121	EA	24" x 18" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD12) Note: Includes shelf, foot locker and 4" high integral base. For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	386.49 -17.40 -35.38 -53.35	26.95
10 51	13 00-0122	EA	24" x 21" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD22) Note: Includes shelf, foot locker and 4" high integral base. For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	406.02 -18.38 -37.33 -56.28	26.95
10 51	13 00-0123	EA	24" x 24" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD32) Note: Includes shelf, foot locker and 4" high integral base. For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	409.72 -18.56 -37.70 -56.84	26.95
10 51	13 00-0124	EA	33" x 18" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD42) Note: Includes shelf, foot locker and 4" high integral base. For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	454.22 -20.50 -41.66 -62.82	31.05
10 51	13 00-0125	EA	33" x 21" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD52) Note: Includes shelf, foot locker and 4" high integral base. For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	466.53 -21.11 -42.89 -64.67	31.05
10 51	13 00-0126	EA	33" x 24" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD62) Note: Includes shelf, foot locker and 4" high integral base. For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	480.01 -21.79 -44.24 -66.69	31.05
10 51	13 00-0127	EA	18" x 18" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD03) Note: Includes shelf, foot locker, security box and 4" high integral base. For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	393.19 -17.89 -36.32 -54.74	24.71
10 51	13 00-0128	EA	24" x 18" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD13) Note: Includes shelf, foot locker, security box and 4" high integral base. For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	425.05 -19.33 -39.23 -59.14	26.95
10 51	13 00-0129	EA	24" x 21" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD23) Note: Includes shelf, foot locker, security box and 4" high integral base. For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	432.65 -19.71 -39.99 -60.28	26.95
10 51	13 00-0130	EA	24" x 24" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD33) Note: Includes shelf, foot locker, security box and 4" high integral base. For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	451.12 -20.63 -41.84 -63.05	26.95
10 51	13 00-0131	EA	33" x 18" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD43) Note: Includes shelf, foot locker, security box and 4" high integral base. For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	587.19 -27.15 -54.96 -82.76	31.05

10	10	Specialties
	10 50	Storage Specialties
	10 51	Lockers



		MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51	13 00-0132	EA			33" x 21" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD53).....	596.55	31.05
					Note: Includes shelf, foot locker, security box and 4" high integral base.		
					For >25 To 50, Deduct	-27.61	
					For >50 To 100, Deduct	-55.89	
					For >100, Deduct	-84.17	
10 51	13 00-0133	EA			33" x 24" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD63).....	605.93	31.05
					Note: Includes shelf, foot locker, security box and 4" high integral base.		
					For >25 To 50, Deduct	-28.08	
					For >50 To 100, Deduct	-56.83	
					For >100, Deduct	-85.58	
10 51	13 00-0134				Metal Locker Accessories (10 51 13)		
10 51	13 00-0135				Locker Slope Tops (10 51 13 00-0134)		
10 51	13 00-0136				16 Gauge Continuous Sloping Hood (10 51 13 00-0135)		
10 51	13 00-0137	LF			12" Deep, 16 Gauge Continuous Slope Top	35.32	5.13
10 51	13 00-0138	LF			15" Deep, 16 Gauge Continuous Slope Top	29.97	5.13
10 51	13 00-0139	LF			18" Deep, 16 Gauge Continuous Slope Top	40.80	5.13
10 51	13 00-0140	LF			21" Deep, 16 Gauge Continuous Slope Top	44.96	5.13
10 51	13 00-0141	LF			24" Deep, 16 Gauge Continuous Slope Top	46.91	5.13
10 51	13 00-0142				16 Gauge Slope Top Corner Fillers (10 51 13 00-0135)		
10 51	13 00-0143	EA			12" Deep, 16 Gauge Slope Top Corner Fillers	142.74	5.13
10 51	13 00-0144	EA			15" Deep, 16 Gauge Slope Top Corner Fillers	145.77	5.13
10 51	13 00-0145	EA			18" Deep, 16 Gauge Slope Top Corner Fillers	148.79	5.13
10 51	13 00-0146	EA			21" Deep, 16 Gauge Slope Top Corner Fillers	152.45	5.13
10 51	13 00-0147	EA			24" Deep, 16 Gauge Slope Top Corner Fillers	156.08	5.13
10 51	13 00-0148				20 Gauge Individual Slope Top (10 51 13 00-0135)		
10 51	13 00-0149	EA			12" Wide x 12" Deep 20 Gauge Individual Slope Top	30.50	5.13
10 51	13 00-0150	EA			12" Wide x 15" Deep 20 Gauge Individual Slope Top	30.30	5.13
10 51	13 00-0151	EA			12" Wide x 18" Deep 20 Gauge Individual Slope Top	33.59	5.13
10 51	13 00-0152	EA			15" Wide x 15" Deep 20 Gauge Individual Slope Top	33.59	5.13
10 51	13 00-0153	EA			15" Wide x 18" Deep 20 Gauge Individual Slope Top	34.38	5.13
10 51	13 00-0154	EA			15" Wide x 21" Deep 20 Gauge Individual Slope Top	37.49	5.13
10 51	13 00-0155	EA			18" Wide x 18" Deep 20 Gauge Individual Slope Top	37.49	5.13
10 51	13 00-0156	EA			18" Wide x 21" Deep 20 Gauge Individual Slope Top	41.59	5.13
10 51	13 00-0157	EA			18" Wide x 24" Deep 20 Gauge Individual Slope Top	46.46	5.13
10 51	13 00-0158				Continuous Slope Top End Closures (10 51 13 00-0135)		
10 51	13 00-0159	PR			12" Deep, Continuous Slope Top End Closures	32.44	5.13
10 51	13 00-0160	PR			15" Deep, Continuous Slope Top End Closures	27.74	5.13
10 51	13 00-0161	PR			18" Deep, Continuous Slope Top End Closures	36.32	5.13
10 51	13 00-0162	PR			21" Deep, Continuous Slope Top End Closures	38.28	5.13
10 51	13 00-0163	PR			24" Deep, Continuous Slope Top End Closures	39.61	5.13
10 51	13 00-0164				Individual Slope Top End Closures (10 51 13 00-0135)		
10 51	13 00-0165	EA			12" Deep, Individual Slope Top End Closures	21.35	5.13
10 51	13 00-0166	EA			15" Deep, Individual Slope Top End Closures	21.96	5.13
10 51	13 00-0167	EA			18" Deep, Individual Slope Top End Closures	23.31	5.13
10 51	13 00-0168	EA			21" Deep, Individual Slope Top End Closures	24.25	5.13
10 51	13 00-0169	EA			24" Deep, Individual Slope Top End Closures	33.85	5.13
10 51	13 00-0170				Locker Base (10 51 13 00-0134)		
10 51	13 00-0171				Closed Front Base (10 51 13 00-0170)		
10 51	13 00-0172	EA			12" Wide, 6" High Closed Front Base	22.39	5.13
10 51	13 00-0173	EA			15" Wide, 6" High Closed Front Base	23.41	5.13
10 51	13 00-0174	EA			18" Wide, 6" High Closed Front Base	25.53	5.13
10 51	13 00-0175	EA			24" Wide, 6" High Closed Front Base	26.54	5.13
10 51	13 00-0176				Closed End Base (10 51 13 00-0170)		
10 51	13 00-0177	EA			12" Deep, 6" High Closed End Base	25.21	5.13
10 51	13 00-0178	EA			15" Deep, 6" High Closed End Base	25.39	5.13
10 51	13 00-0179	EA			18" Deep, 6" High Closed End Base	26.76	5.13
10 51	13 00-0180	EA			21" Deep, 6" High Closed End Base	28.11	5.13
10 51	13 00-0181	EA			24" Deep, 6" High Closed End Base	29.95	5.13
10 51	13 00-0182				Recessed Continuous Front "Z" Base (10 51 13 00-0170)		
10 51	13 00-0183	LF			4" High Recessed Continuous Front "Z" Base	26.15	3.85
10 51	13 00-0184				"Z" Base Ends Or Splice (10 51 13 00-0170)		
10 51	13 00-0185	EA			12" Wide, 4" High Z-Base Ends Or Splice	26.31	5.13
10 51	13 00-0186	EA			15" Wide, 4" High Z-Base Ends Or Splice	30.30	5.13
10 51	13 00-0187	EA			18" Wide, 4" High Z-Base Ends Or Splice	34.38	5.13

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0188	EA	21" Wide, 4" High Z-Base Ends Or Splice	38.67	5.13
10 51 13 00-0189	EA	24" Wide, 4" High Z-Base Ends Or Splice	42.94	5.13
10 51 13 00-0190		Locker Front Fillers And End Panels (10 51 13 00-0134)		
10 51 13 00-0191		Locker Front Fillers (10 51 13 00-0190)		
10 51 13 00-0192	EA	6" Wide x 48" High, 16 Gauge Front Filler	34.22	6.42
10 51 13 00-0193	EA	12" Wide x 48" High, 16 Gauge Front Filler	54.62	6.42
10 51 13 00-0194	EA	6" Wide x 60" High, 16 Gauge Front Filler	42.60	6.42
10 51 13 00-0195	EA	12" Wide x 60" High, 16 Gauge Front Filler	65.08	6.42
10 51 13 00-0196	EA	6" Wide x 66" High, 16 Gauge Front Filler	46.26	6.42
10 51 13 00-0197	EA	12" Wide x 66" High, 16 Gauge Front Filler	51.82	6.42
10 51 13 00-0198	EA	6" Wide x 72" High, 16 Gauge Front Filler	50.51	6.42
10 51 13 00-0199	EA	12" Wide x 72" High, 16 Gauge Front Filler	71.15	6.42
10 51 13 00-0200	EA	6" Wide x 78" High, 16 Gauge Front Filler	51.69	6.42
10 51 13 00-0201	EA	12" Wide x 78" High, 16 Gauge Front Filler	60.03	6.42
10 51 13 00-0202		Locker End Panels (10 51 13 00-0190)		
10 51 13 00-0203	EA	12" Deep x 48" High, 16 Gauge End Panel	55.27	5.13
10 51 13 00-0204	EA	15" Deep x 48" High, 16 Gauge End Panel	67.28	5.13
10 51 13 00-0205	EA	18" Deep x 48" High, 16 Gauge End Panel	78.83	5.13
10 51 13 00-0206	EA	12" Deep x 60" High, 16 Gauge End Panel	65.11	5.13
10 51 13 00-0207	EA	15" Deep x 60" High, 16 Gauge End Panel	73.72	5.13
10 51 13 00-0208	EA	18" Deep x 60" High, 16 Gauge End Panel	87.28	5.13
10 51 13 00-0209	EA	12" Deep x 72" High, 16 Gauge End Panel	76.56	5.13
10 51 13 00-0210	EA	15" Deep x 72" High, 16 Gauge End Panel	87.04	5.13
10 51 13 00-0211	EA	18" Deep x 72" High, 16 Gauge End Panel	100.98	5.13
10 51 13 00-0212	EA	21" Deep x 72" High, 16 Gauge End Panel	116.12	5.13
10 51 13 00-0213		Locker Recessed Trim (10 51 13 00-0134)		
10 51 13 00-0214	LF	3" Height, Top Trim For Recessed Lockers	11.65	2.56
10 51 13 00-0215	EA	3" Height, Inside And Outside Top Corner Trim For Recessed Lockers	31.81	5.13
10 51 13 00-0216	EA	60" Height, 3" Wide Side Trim For Recessed Lockers	47.97	5.13
10 51 13 00-0217	EA	66" Height, 3" Wide Side Trim For Recessed Lockers	49.67	5.13
10 51 13 00-0218	EA	72" Height, 3" Wide Side Trim For Recessed Lockers	51.38	5.13
10 51 13 00-0219	EA	78" Height, 3" Wide Side Trim For Recessed Lockers	52.87	5.13
10 51 13 00-0220		Locker Interior Accessories (10 51 13 00-0134)		
10 51 13 00-0221		Locker Coat Rods (10 51 13 00-0220)		
10 51 13 00-0222	EA	12" Wide Coat Rod	17.61	5.13
10 51 13 00-0223	EA	15" Wide Coat Rod	19.19	5.13
10 51 13 00-0224	EA	18" Wide Coat Rod	20.60	5.13
10 51 13 00-0225	EA	24" Wide Coat Rod	21.84	5.13
10 51 13 00-0226		Locker Hat Shelf (10 51 13 00-0220)		
10 51 13 00-0227	EA	12" Wide Hat Shelf	20.94	5.13
10 51 13 00-0228	EA	15" Wide Hat Shelf	24.37	5.13
10 51 13 00-0229	EA	18" Wide Hat Shelf	25.82	5.13
10 51 13 00-0230	EA	24" Wide Hat Shelf	31.54	5.13
10 51 13 00-0231		Locker ADA Compliant Shelf (10 51 13 00-0220)		
10 51 13 00-0232	EA	ADA Compliant Shelf For Single Tier Lockers	40.60	6.42
		Note: Includes an ADA label for locker face.		
10 51 13 00-0233		Other Interior Locker Accessories (10 51 13 00-0220)		
10 51 13 00-0234	EA	3" x 10" Bent Plate Shoe Rack	53.00	5.13
10 51 13 00-0235	EA	8" x 10" Mirror	42.32	5.13
10 51 13 00-0236	EA	Additional Hook	12.94	5.13
10 51 13 00-0237		Locker Locks (10 51 13 00-0134)		
10 51 13 00-0238	EA	Built In Combination Lock	46.31	5.13
10 51 13 00-0239		Steel Basket Racks Mounted On Concrete Base (10 51 13)		
		Note: Includes electroplated baskets with 3/4" x 1" wire mesh sides and bottom with perforated sheet steel front and backs.		
10 51 13 00-0240	EA	9" x 13" x 8" Baskets, 28 Wire Mesh Baskets And Rack	2,136.85	96.25
10 51 13 00-0241	EA	12" x 13" x 8" Baskets, 21 Wire Mesh Baskets And Rack	1,829.67	96.25
10 51 13 00-0242		All-Welded Steel Lockers (10 51 13)		
10 51 13 00-0243		All-Welded Steel Lockers (10 51 13 00-0242)		
		Note: Price per frame. Includes diamond perforated, standard louvered or solid doors and sides. Includes all-welded construction with 16 gauge solid top, bottom, and shelves, 14 gauge doors and 4" legs. Includes electrostatically applied enamel powder coat paint finish. Excludes slope top, base fillers, and locks.		

10	10	Specialties
	10 50	Storage Specialties
	10 51	Lockers



MINOR					TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION					UNIT COST	UNIT COST
10 51 13 00-0244 Single Tier, All-Welded Steel Lockers (10 51 13 00-0243)						
Note: Includes one hat shelf, two single hooks and one double hook.						
10 51 13 00-0245	EA	12" x 12" x 48"	Single Tier, All-Welded Steel Locker	175.07		22.46
		For >25 To 50, Deduct		-7.15		
		For >50 To 100, Deduct		-14.78		
		For >100, Deduct		-22.41		
10 51 13 00-0246	EA	12" x 15" x 48"	Single Tier, All-Welded Steel Locker	183.51		22.46
		For >25 To 50, Deduct		-7.57		
		For >50 To 100, Deduct		-15.62		
		For >100, Deduct		-23.68		
10 51 13 00-0247	EA	12" x 18" x 48"	Single Tier, All-Welded Steel Locker	191.63		22.46
		For >25 To 50, Deduct		-7.98		
		For >50 To 100, Deduct		-16.44		
		For >100, Deduct		-24.89		
10 51 13 00-0248	EA	12" x 12" x 60"	Single Tier, All-Welded Steel Locker	182.04		22.46
		For >25 To 50, Deduct		-7.50		
		For >50 To 100, Deduct		-15.48		
		For >100, Deduct		-23.46		
10 51 13 00-0249	EA	12" x 15" x 60"	Single Tier, All-Welded Steel Locker	190.16		22.46
		For >25 To 50, Deduct		-7.90		
		For >50 To 100, Deduct		-16.29		
		For >100, Deduct		-24.67		
10 51 13 00-0250	EA	12" x 18" x 60"	Single Tier, All-Welded Steel Locker	198.29		22.46
		For >25 To 50, Deduct		-8.31		
		For >50 To 100, Deduct		-17.10		
		For >100, Deduct		-25.89		
10 51 13 00-0251	EA	12" x 12" x 72"	Single Tier, All-Welded Steel Locker	192.77		24.71
		For >25 To 50, Deduct		-7.87		
		For >50 To 100, Deduct		-16.28		
		For >100, Deduct		-24.68		
10 51 13 00-0252	EA	12" x 15" x 72"	Single Tier, All-Welded Steel Locker	200.29		24.71
		For >25 To 50, Deduct		-8.25		
		For >50 To 100, Deduct		-17.03		
		For >100, Deduct		-25.81		
10 51 13 00-0253	EA	12" x 18" x 72"	Single Tier, All-Welded Steel Locker	208.42		24.71
		For >25 To 50, Deduct		-8.66		
		For >50 To 100, Deduct		-17.84		
		For >100, Deduct		-27.03		
10 51 13 00-0254	EA	15" x 15" x 72"	Single Tier, All-Welded Steel Locker	216.02		24.71
		For >25 To 50, Deduct		-9.04		
		For >50 To 100, Deduct		-18.60		
		For >100, Deduct		-28.17		
10 51 13 00-0255	EA	15" x 18" x 72"	Single Tier, All-Welded Steel Locker	222.28		24.71
		For >25 To 50, Deduct		-9.35		
		For >50 To 100, Deduct		-19.23		
		For >100, Deduct		-29.11		
10 51 13 00-0256	EA	18" x 18" x 72"	Single Tier, All-Welded Steel Locker	230.91		24.71
		For >25 To 50, Deduct		-9.78		
		For >50 To 100, Deduct		-20.09		
		For >100, Deduct		-30.40		
10 51 13 00-0257	EA	18" x 21" x 72"	Single Tier, All-Welded Steel Locker	240.63		24.71
		For >25 To 50, Deduct		-10.27		
		For >50 To 100, Deduct		-21.06		
		For >100, Deduct		-31.86		
10 51 13 00-0258	EA	24" x 24" x 72"	Single Tier, All-Welded Steel Locker	386.96		24.71
		For >25 To 50, Deduct		-17.58		
		For >50 To 100, Deduct		-35.70		
		For >100, Deduct		-53.81		
10 51 13 00-0259 Two Tier, All-Welded Steel Lockers (10 51 13 00-0243)						
Note: Includes two single hooks and one double hook per tier.						
10 51 13 00-0260	EA	12" x 12" x 60"	Two Tier, All-Welded Steel Locker	208.38		22.46
		For >25 To 50, Deduct		-8.82		
		For >50 To 100, Deduct		-18.11		
		For >100, Deduct		-27.41		
10 51 13 00-0261	EA	12" x 15" x 60"	Two Tier, All-Welded Steel Locker	212.11		22.46
		For >25 To 50, Deduct		-9.00		
		For >50 To 100, Deduct		-18.48		
		For >100, Deduct		-27.97		
10 51 13 00-0262	EA	12" x 18" x 60"	Two Tier, All-Welded Steel Locker	222.12		22.46
		For >25 To 50, Deduct		-9.50		
		For >50 To 100, Deduct		-19.49		
		For >100, Deduct		-29.47		
10 51 13 00-0263	EA	12" x 12" x 72"	Two Tier, All-Welded Steel Locker	217.82		24.71
		For >25 To 50, Deduct		-9.13		
		For >50 To 100, Deduct		-18.78		
		For >100, Deduct		-28.44		
10 51 13 00-0264	EA	12" x 15" x 72"	Two Tier, All-Welded Steel Locker	231.62		24.71
		For >25 To 50, Deduct		-9.82		
		For >50 To 100, Deduct		-20.16		
		For >100, Deduct		-30.51		
10 51 13 00-0265	EA	12" x 18" x 72"	Two Tier, All-Welded Steel Locker	239.14		24.71
		For >25 To 50, Deduct		-10.19		
		For >50 To 100, Deduct		-20.91		
		For >100, Deduct		-31.64		
10 51 13 00-0266	EA	15" x 15" x 72"	Two Tier, All-Welded Steel Locker	249.86		24.71
		For >25 To 50, Deduct		-10.73		
		For >50 To 100, Deduct		-21.99		
		For >100, Deduct		-33.24		

		Specialties	10
		Storage Specialties	10 50
		Lockers	10 51

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 51 13 00-0267	EA		15" x 18" x 72" Two Tier, All-Welded Steel Locker	254.90	24.71
			For >25 To 50, Deduct	-10.98	
			For >50 To 100, Deduct	-22.49	
			For >100, Deduct	-34.00	
10 51 13 00-0268	EA		18" x 18" x 72" Two Tier, All-Welded Steel Locker	269.44	24.71
			For >25 To 50, Deduct	-11.71	
			For >50 To 100, Deduct	-23.94	
			For >100, Deduct	-36.18	
10 51 13 00-0269	EA		18" x 21" x 72" Two Tier, All-Welded Steel Locker	280.71	24.71
			For >25 To 50, Deduct	-12.27	
			For >50 To 100, Deduct	-25.07	
			For >100, Deduct	-37.87	
10 51 13 00-0270 Three Tier, All-Welded Steel Lockers (10 51 13 00-0243)					
Note: Includes two single hooks and one double hook per tier.					
10 51 13 00-0271	EA		12" x 12" x 72" Three Tier, All-Welded Steel Locker	256.68	24.71
			For >25 To 50, Deduct	-11.07	
			For >50 To 100, Deduct	-22.67	
			For >100, Deduct	-34.27	
10 51 13 00-0272	EA		12" x 15" x 72" Three Tier, All-Welded Steel Locker	262.34	24.71
			For >25 To 50, Deduct	-11.35	
			For >50 To 100, Deduct	-23.23	
			For >100, Deduct	-35.12	
10 51 13 00-0273	EA		12" x 18" x 72" Three Tier, All-Welded Steel Locker	267.95	24.71
			For >25 To 50, Deduct	-11.63	
			For >50 To 100, Deduct	-23.79	
			For >100, Deduct	-35.96	
10 51 13 00-0274	EA		15" x 15" x 72" Three Tier, All-Welded Steel Locker	281.24	24.71
			For >25 To 50, Deduct	-12.30	
			For >50 To 100, Deduct	-25.12	
			For >100, Deduct	-37.95	
10 51 13 00-0275	EA		15" x 18" x 72" Three Tier, All-Welded Steel Locker	283.70	24.71
			For >25 To 50, Deduct	-12.42	
			For >50 To 100, Deduct	-25.37	
			For >100, Deduct	-38.32	
10 51 13 00-0276 Four Tier, All-Welded Steel Lockers (10 51 13 00-0243)					
10 51 13 00-0277	EA		12" x 12" x 72" Four Tier, All-Welded Steel Locker	243.28	24.71
			For >25 To 50, Deduct	-10.40	
			For >50 To 100, Deduct	-21.33	
			For >100, Deduct	-32.26	
10 51 13 00-0278	EA		12" x 15" x 72" Four Tier, All-Welded Steel Locker	248.61	24.71
			For >25 To 50, Deduct	-10.67	
			For >50 To 100, Deduct	-21.66	
			For >100, Deduct	-33.06	
10 51 13 00-0279	EA		12" x 18" x 72" Four Tier, All-Welded Steel Locker	253.92	24.71
			For >25 To 50, Deduct	-10.93	
			For >50 To 100, Deduct	-22.39	
			For >100, Deduct	-33.85	
10 51 13 00-0280	EA		15" x 15" x 72" Four Tier, All-Welded Steel Locker	266.42	24.71
			For >25 To 50, Deduct	-11.56	
			For >50 To 100, Deduct	-23.64	
			For >100, Deduct	-35.73	
10 51 13 00-0281	EA		15" x 18" x 72" Four Tier, All-Welded Steel Locker	268.70	24.71
			For >25 To 50, Deduct	-11.67	
			For >50 To 100, Deduct	-23.87	
			For >100, Deduct	-36.07	
10 51 13 00-0282 Six Tier, All-Welded Steel Lockers (10 51 13 00-0243)					
10 51 13 00-0283	EA		12" x 12" x 72" Six Tier, All-Welded Steel Locker	251.58	24.71
			For >25 To 50, Deduct	-10.81	
			For >50 To 100, Deduct	-22.16	
			For >100, Deduct	-33.50	
10 51 13 00-0284	EA		12" x 15" x 72" Six Tier, All-Welded Steel Locker	259.37	24.71
			For >25 To 50, Deduct	-11.20	
			For >50 To 100, Deduct	-22.94	
			For >100, Deduct	-34.67	
10 51 13 00-0285	EA		12" x 18" x 72" Six Tier, All-Welded Steel Locker	265.10	24.71
			For >25 To 50, Deduct	-11.49	
			For >50 To 100, Deduct	-23.51	
			For >100, Deduct	-35.53	
10 51 13 00-0286 All Welded Locker Accessories (10 51 13 00-0242)					
10 51 13 00-0287	EA		ADA Requirements For All Welded Lockers	131.84	
10 51 13 00-0288	EA		Solid Boxed End Panel For 12" Deep All Welded Lockers	213.69	5.13
10 51 13 00-0289	EA		Solid Boxed End Panel For 15" Deep All Welded Lockers	247.59	5.13
10 51 13 00-0290	EA		Recessed Trim For All Welded Lockers	150.90	5.13
10 51 13 00-0291	EA		Built In Combination Lock For All Welded Lockers	46.31	5.13
10 51 13 00-0292	EA		Pad Lock For All Welded Lockers	41.66	5.13

10 51 26 Plastic Lockers (10 51)

10	10	Specialties
	10 50	Storage Specialties
	10 51	Lockers



MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
10 51 26 00-0001 Solid Plastic Lockers (10 51 26)					
Note: Price per frame. High-density polyethylene with homogeneous color throughout. Includes 1/2" door, 3/8" sides, tops, bottoms, rears and shelves. Excludes slope top, base, and locks.					
10 51 26 00-0002 Single Tier Solid Plastic Lockers (10 51 26 00-0001)					
Note: Includes one double hook per tier.					
10 51 26 00-0003	EA	12" x 12" x 36"	Single Tier Solid Plastic Locker (Tufftec Lockers®).....	706.17	39.78
		For >50 To 100, Deduct		-62.66	
		For >100, Deduct		-96.38	
10 51 26 00-0004	EA	12" x 15" x 36"	Single Tier Solid Plastic Locker (Tufftec Lockers®).....	718.75	39.78
		For >50 To 100, Deduct		-63.92	
		For >100, Deduct		-98.26	
10 51 26 00-0005	EA	12" x 18" x 36"	Single Tier Solid Plastic Locker (Tufftec Lockers®).....	731.32	39.78
		For >50 To 100, Deduct		-65.18	
		For >100, Deduct		-100.15	
10 51 26 00-0006	EA	15" x 15" x 36"	Single Tier Solid Plastic Locker (Tufftec Lockers®).....	750.17	39.78
		For >50 To 100, Deduct		-67.06	
		For >100, Deduct		-102.98	
10 51 26 00-0007	EA	15" x 18" x 36"	Single Tier Solid Plastic Locker (Tufftec Lockers®).....	730.23	39.78
		For >50 To 100, Deduct		-65.07	
		For >100, Deduct		-99.99	
10 51 26 00-0008	EA	18" x 12" x 36"	Single Tier Solid Plastic Locker (Tufftec Lockers®).....	735.52	39.78
		For >50 To 100, Deduct		-65.60	
		For >100, Deduct		-100.78	
10 51 26 00-0009	EA	18" x 15" x 36"	Single Tier Solid Plastic Locker (Tufftec Lockers®).....	726.22	39.78
		For >50 To 100, Deduct		-64.67	
		For >100, Deduct		-99.38	
10 51 26 00-0010	EA	18" x 18" x 36"	Single Tier Solid Plastic Locker (Tufftec Lockers®).....	778.13	39.78
		For >50 To 100, Deduct		-69.86	
		For >100, Deduct		-107.17	
10 51 26 00-0011	EA	12" x 12" x 48"	Single Tier Solid Plastic Locker (Tufftec Lockers®).....	766.16	39.78
		For >50 To 100, Deduct		-68.66	
		For >100, Deduct		-105.38	
10 51 26 00-0012	EA	12" x 15" x 48"	Single Tier Solid Plastic Locker (Tufftec Lockers®).....	780.12	39.78
		For >50 To 100, Deduct		-70.06	
		For >100, Deduct		-107.47	
10 51 26 00-0013	EA	12" x 18" x 48"	Single Tier Solid Plastic Locker (Tufftec Lockers®).....	794.09	39.78
		For >50 To 100, Deduct		-71.45	
		For >100, Deduct		-109.57	
10 51 26 00-0014	EA	15" x 15" x 48"	Single Tier Solid Plastic Locker (Tufftec Lockers®).....	826.03	39.78
		For >50 To 100, Deduct		-74.65	
		For >100, Deduct		-114.36	
10 51 26 00-0015	EA	15" x 18" x 48"	Single Tier Solid Plastic Locker (Tufftec Lockers®).....	869.95	39.78
		For >50 To 100, Deduct		-79.04	
		For >100, Deduct		-120.94	
10 51 26 00-0016	EA	18" x 15" x 48"	Single Tier Solid Plastic Locker (Tufftec Lockers®).....	830.01	39.78
		For >50 To 100, Deduct		-75.04	
		For >100, Deduct		-114.95	
10 51 26 00-0017	EA	18" x 18" x 48"	Single Tier Solid Plastic Locker (Tufftec Lockers®).....	901.86	39.78
		For >50 To 100, Deduct		-82.23	
		For >100, Deduct		-125.73	
10 51 26 00-0018	EA	12" x 12" x 60"	Single Tier Solid Plastic Locker (Tufftec Lockers®).....	771.72	39.78
		For >50 To 100, Deduct		-69.22	
		For >100, Deduct		-106.21	
10 51 26 00-0019	EA	12" x 15" x 60"	Single Tier Solid Plastic Locker (Tufftec Lockers®).....	812.66	39.78
		For >50 To 100, Deduct		-73.31	
		For >100, Deduct		-112.35	
10 51 26 00-0020	EA	12" x 18" x 60"	Single Tier Solid Plastic Locker (Tufftec Lockers®).....	853.63	39.78
		For >50 To 100, Deduct		-77.41	
		For >100, Deduct		-118.50	
10 51 26 00-0021	EA	15" x 12" x 60"	Single Tier Solid Plastic Locker (Tufftec Lockers®).....	823.63	39.78
		For >50 To 100, Deduct		-74.41	
		For >100, Deduct		-114.00	
10 51 26 00-0022	EA	15" x 15" x 60"	Single Tier Solid Plastic Locker (Tufftec Lockers®).....	867.03	39.78
		For >50 To 100, Deduct		-78.75	
		For >100, Deduct		-120.51	
10 51 26 00-0023	EA	15" x 18" x 60"	Single Tier Solid Plastic Locker (Tufftec Lockers®).....	910.45	39.78
		For >50 To 100, Deduct		-83.09	
		For >100, Deduct		-127.02	
10 51 26 00-0024	EA	18" x 12" x 60"	Single Tier Solid Plastic Locker (Tufftec Lockers®).....	875.54	39.78
		For >50 To 100, Deduct		-79.60	
		For >100, Deduct		-121.78	
10 51 26 00-0025	EA	18" x 15" x 60"	Single Tier Solid Plastic Locker (Tufftec Lockers®).....	921.42	39.78
		For >50 To 100, Deduct		-84.19	
		For >100, Deduct		-128.66	
10 51 26 00-0026	EA	12" x 12" x 72"	Single Tier Solid Plastic Locker (Tufftec Lockers®).....	883.04	41.07
		For >50 To 100, Deduct		-80.09	
		For >100, Deduct		-122.60	
10 51 26 00-0027	EA	12" x 15" x 72"	Single Tier Solid Plastic Locker (Tufftec Lockers®).....	928.95	41.07
		For >50 To 100, Deduct		-84.68	
		For >100, Deduct		-129.49	
10 51 26 00-0028	EA	12" x 18" x 72"	Single Tier Solid Plastic Locker (Tufftec Lockers®).....	974.80	41.07
		For >50 To 100, Deduct		-89.27	
		For >100, Deduct		-136.36	
10 51 26 00-0029	EA	15" x 12" x 72"	Single Tier Solid Plastic Locker (Tufftec Lockers®).....	942.62	41.07
		For >50 To 100, Deduct		-86.05	
		For >100, Deduct		-131.54	
10 51 26 00-0030	EA	15" x 15" x 72"	Single Tier Solid Plastic Locker (Tufftec Lockers®).....	991.03	41.07
		For >50 To 100, Deduct		-90.89	
		For >100, Deduct		-138.80	

		Specialties	10
		Storage Specialties	10 50
		Lockers	10 51

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0031	EA	15" x 18" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	1,039.40	41.07
		For >50 To 100, Deduct	-95.73	
		For >100, Deduct	-146.05	
10 51 26 00-0032	EA	18" x 12" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	990.11	41.07
		For >50 To 100, Deduct	-90.80	
		For >100, Deduct	-138.66	
10 51 26 00-0033	EA	18" x 15" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	1,053.06	41.07
		For >50 To 100, Deduct	-97.09	
		For >100, Deduct	-148.10	
10 51 26 00-0034	EA	18" x 18" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	1,103.91	41.07
		For >50 To 100, Deduct	-102.18	
		For >100, Deduct	-155.73	
10 51 26 00-0035 Double Tier Solid Plastic Lockers (10 51 26 00-0001)				
Note: Includes one double hook per tier.				
10 51 26 00-0036	EA	12" x 12" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	792.68	41.07
		For >50 To 100, Deduct	-71.05	
		For >100, Deduct	-109.05	
10 51 26 00-0037	EA	12" x 15" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	804.65	41.07
		For >50 To 100, Deduct	-72.25	
		For >100, Deduct	-110.84	
10 51 26 00-0038	EA	12" x 18" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	822.60	41.07
		For >50 To 100, Deduct	-74.05	
		For >100, Deduct	-113.53	
10 51 26 00-0039	EA	15" x 12" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	816.63	41.07
		For >50 To 100, Deduct	-73.45	
		For >100, Deduct	-112.64	
10 51 26 00-0040	EA	15" x 15" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	848.57	41.07
		For >50 To 100, Deduct	-76.64	
		For >100, Deduct	-117.43	
10 51 26 00-0041	EA	15" x 18" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	924.40	41.07
		For >50 To 100, Deduct	-84.23	
		For >100, Deduct	-128.80	
10 51 26 00-0042	EA	18" x 12" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	824.62	41.07
		For >50 To 100, Deduct	-74.25	
		For >100, Deduct	-113.84	
10 51 26 00-0043	EA	18" x 15" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	863.24	41.07
		For >50 To 100, Deduct	-78.11	
		For >100, Deduct	-119.63	
10 51 26 00-0044	EA	18" x 18" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	932.39	41.07
		For >50 To 100, Deduct	-85.03	
		For >100, Deduct	-130.00	
10 51 26 00-0045	EA	12" x 12" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	820.14	41.07
		For >50 To 100, Deduct	-73.80	
		For >100, Deduct	-113.16	
10 51 26 00-0046	EA	12" x 15" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	882.66	41.07
		For >50 To 100, Deduct	-80.05	
		For >100, Deduct	-122.54	
10 51 26 00-0047	EA	12" x 18" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	900.53	41.07
		For >50 To 100, Deduct	-81.84	
		For >100, Deduct	-125.22	
10 51 26 00-0048	EA	15" x 12" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	893.11	41.07
		For >50 To 100, Deduct	-81.10	
		For >100, Deduct	-124.11	
10 51 26 00-0049	EA	15" x 15" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	934.54	41.07
		For >50 To 100, Deduct	-85.24	
		For >100, Deduct	-130.32	
10 51 26 00-0050	EA	18" x 12" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	942.64	41.07
		For >50 To 100, Deduct	-86.05	
		For >100, Deduct	-131.54	
10 51 26 00-0051	EA	18" x 15" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	986.45	41.07
		For >50 To 100, Deduct	-90.43	
		For >100, Deduct	-138.11	
10 51 26 00-0052	EA	18" x 18" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	1,030.26	41.07
		For >50 To 100, Deduct	-94.81	
		For >100, Deduct	-144.68	
10 51 26 00-0053	EA	12" x 12" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	949.93	42.35
		For >50 To 100, Deduct	-86.52	
		For >100, Deduct	-132.32	
10 51 26 00-0054	EA	12" x 15" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	993.74	42.35
		For >50 To 100, Deduct	-90.90	
		For >100, Deduct	-138.90	
10 51 26 00-0055	EA	12" x 18" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	1,016.57	42.35
		For >50 To 100, Deduct	-93.19	
		For >100, Deduct	-142.32	
10 51 26 00-0056	EA	15" x 12" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	1,006.81	42.35
		For >50 To 100, Deduct	-92.21	
		For >100, Deduct	-140.86	
10 51 26 00-0057	EA	15" x 15" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	1,053.01	42.35
		For >50 To 100, Deduct	-96.83	
		For >100, Deduct	-147.79	
10 51 26 00-0058	EA	15" x 18" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	1,099.19	42.35
		For >50 To 100, Deduct	-101.45	
		For >100, Deduct	-154.71	
10 51 26 00-0059	EA	18" x 12" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	1,015.07	42.35
		For >50 To 100, Deduct	-93.04	
		For >100, Deduct	-142.10	

10 Specialties**10 50 Storage Specialties****10 51 Lockers**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
10 51 26 00-0060	EA 18" x 15" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	1,112.23 -102.75 -156.67		42.35	
10 51 26 00-0061	EA 18" x 18" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	1,160.76 -107.61 -163.95		42.35	
10 51 26 00-0062 Triple Tier Solid Plastic Lockers (10 51 26 00-0001)					
Note: Includes one double hook per tier.					
10 51 26 00-0063	EA 12" x 12" x 48" Triple Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	780.27 -69.56 -106.88		42.35	
10 51 26 00-0064	EA 15" x 15" x 48" Triple Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	813.14 -72.84 -111.81		42.35	
10 51 26 00-0065	EA 15" x 18" x 48" Triple Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	843.28 -75.86 -116.33		42.35	
10 51 26 00-0066	EA 12" x 12" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	849.12 -76.44 -117.20		42.35	
10 51 26 00-0067	EA 12" x 15" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	919.36 -83.47 -127.74		42.35	
10 51 26 00-0068	EA 12" x 18" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	919.68 -83.50 -127.79		42.35	
10 51 26 00-0069	EA 15" x 12" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	958.01 -87.33 -133.54		42.35	
10 51 26 00-0070	EA 15" x 15" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	996.49 -91.18 -139.31		42.35	
10 51 26 00-0071	EA 15" x 18" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	1,034.96 -95.03 -145.08		42.35	
10 51 26 00-0072	EA 18" x 12" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	1,004.02 -91.93 -140.44		42.35	
10 51 26 00-0073	EA 18" x 15" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	1,044.69 -96.00 -146.54		42.35	
10 51 26 00-0074	EA 18" x 18" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	1,085.36 -100.07 -152.64		42.35	
10 51 26 00-0075	EA 12" x 12" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	1,010.95 -92.37 -141.17		43.64	
10 51 26 00-0076	EA 12" x 15" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	1,051.64 -96.44 -147.27		43.64	
10 51 26 00-0077	EA 12" x 18" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	1,080.20 -99.29 -151.56		43.64	
10 51 26 00-0078	EA 15" x 12" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	1,063.76 -97.65 -149.09		43.64	
10 51 26 00-0079	EA 15" x 15" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	1,076.66 -98.94 -151.03		43.64	
10 51 26 00-0080	EA 15" x 18" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	1,123.14 -103.59 -158.00		43.64	
10 51 26 00-0081	EA 18" x 12" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	1,045.29 -95.80 -146.32		43.64	
10 51 26 00-0082	EA 18" x 15" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	1,139.80 -105.25 -160.50		43.64	
10 51 26 00-0083	EA 18" x 18" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	1,206.71 -111.94 -170.53		43.64	
10 51 26 00-0084 Four Tier Solid Plastic Lockers (10 51 26 00-0001)					
10 51 26 00-0085	EA 12" x 12" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	907.57 -82.03 -125.66		43.64	
10 51 26 00-0086	EA 12" x 15" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	934.25 -84.70 -129.67		43.64	
10 51 26 00-0087	EA 12" x 18" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	983.43 -89.62 -137.04		43.64	
10 51 26 00-0088	EA 15" x 12" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	977.42 -89.02 -136.14		43.64	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0089	EA	15" x 15" x 60"	Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,041.14	43.64
			For >50 To 100, Deduct	-95.39	
			For >100, Deduct	-145.70	
10 51 26 00-0090	EA	15" x 18" x 60"	Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,061.25	43.64
			For >50 To 100, Deduct	-97.40	
			For >100, Deduct	-148.72	
10 51 26 00-0091	EA	18" x 12" x 60"	Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,051.26	43.64
			For >50 To 100, Deduct	-96.40	
			For >100, Deduct	-147.22	
10 51 26 00-0092	EA	18" x 15" x 60"	Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,085.20	43.64
			For >50 To 100, Deduct	-99.79	
			For >100, Deduct	-152.31	
10 51 26 00-0093	EA	18" x 18" x 60"	Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,183.01	43.64
			For >50 To 100, Deduct	-109.57	
			For >100, Deduct	-166.98	
10 51 26 00-0094	EA	12" x 12" x 72"	Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,045.76	44.92
			For >50 To 100, Deduct	-95.59	
			For >100, Deduct	-146.08	
10 51 26 00-0095	EA	12" x 15" x 72"	Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,093.06	44.92
			For >50 To 100, Deduct	-100.32	
			For >100, Deduct	-153.18	
10 51 26 00-0096	EA	12" x 18" x 72"	Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,099.22	44.92
			For >50 To 100, Deduct	-100.94	
			For >100, Deduct	-154.10	
10 51 26 00-0097	EA	15" x 12" x 72"	Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,158.82	44.92
			For >50 To 100, Deduct	-106.90	
			For >100, Deduct	-163.04	
10 51 26 00-0098	EA	15" x 15" x 72"	Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,103.67	44.92
			For >50 To 100, Deduct	-101.38	
			For >100, Deduct	-154.77	
10 51 26 00-0099	EA	15" x 18" x 72"	Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,153.64	44.92
			For >50 To 100, Deduct	-106.38	
			For >100, Deduct	-162.27	
10 51 26 00-0100	EA	18" x 12" x 72"	Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,101.76	44.92
			For >50 To 100, Deduct	-101.19	
			For >100, Deduct	-154.48	
10 51 26 00-0101	EA	18" x 15" x 72"	Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,161.63	44.92
			For >50 To 100, Deduct	-107.18	
			For >100, Deduct	-163.46	
10 51 26 00-0102	EA	18" x 18" x 72"	Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,251.34	44.92
			For >50 To 100, Deduct	-116.15	
			For >100, Deduct	-176.92	
10 51 26 00-0103	Five Tier Solid Plastic Lockers (10 51 26 00-0001)				
10 51 26 00-0104	EA	12" x 12" x 60"	Five Tier Solid Plastic Locker (Tufftec Lockers®)	987.58	44.28
			For >50 To 100, Deduct	-89.90	
			For >100, Deduct	-137.51	
10 51 26 00-0105	EA	12" x 15" x 60"	Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,020.61	44.28
			For >50 To 100, Deduct	-93.21	
			For >100, Deduct	-142.46	
10 51 26 00-0106	EA	12" x 18" x 60"	Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,053.64	44.28
			For >50 To 100, Deduct	-96.51	
			For >100, Deduct	-147.42	
10 51 26 00-0107	EA	15" x 12" x 60"	Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,032.61	44.28
			For >50 To 100, Deduct	-94.41	
			For >100, Deduct	-144.26	
10 51 26 00-0108	EA	15" x 15" x 60"	Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,091.78	44.28
			For >50 To 100, Deduct	-100.32	
			For >100, Deduct	-153.14	
10 51 26 00-0109	EA	15" x 18" x 60"	Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,120.42	44.28
			For >50 To 100, Deduct	-103.19	
			For >100, Deduct	-157.44	
10 51 26 00-0110	EA	18" x 12" x 60"	Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,110.43	44.28
			For >50 To 100, Deduct	-102.19	
			For >100, Deduct	-155.94	
10 51 26 00-0111	EA	18" x 15" x 60"	Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,142.38	44.28
			For >50 To 100, Deduct	-105.38	
			For >100, Deduct	-160.73	
10 51 26 00-0112	EA	18" x 18" x 60"	Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,246.16	44.28
			For >50 To 100, Deduct	-115.76	
			For >100, Deduct	-176.30	
10 51 26 00-0113	EA	12" x 12" x 72"	Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,077.86	45.56
			For >50 To 100, Deduct	-98.67	
			For >100, Deduct	-150.74	
10 51 26 00-0114	EA	12" x 15" x 72"	Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,114.90	45.56
			For >50 To 100, Deduct	-102.38	
			For >100, Deduct	-156.30	
10 51 26 00-0115	EA	12" x 18" x 72"	Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,151.92	45.56
			For >50 To 100, Deduct	-106.08	
			For >100, Deduct	-161.85	
10 51 26 00-0116	EA	15" x 12" x 72"	Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,138.96	45.56
			For >50 To 100, Deduct	-104.78	
			For >100, Deduct	-159.91	
10 51 26 00-0117	EA	15" x 15" x 72"	Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,165.01	45.56
			For >50 To 100, Deduct	-107.39	
			For >100, Deduct	-163.82	
10 51 26 00-0118	EA	15" x 18" x 72"	Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,204.02	45.56
			For >50 To 100, Deduct	-111.29	
			For >100, Deduct	-169.67	

10	10	Specialties
	10 50	Storage Specialties
	10 51	Lockers



		MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51	26 00-0119	EA			18" x 12" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	1,174.04	45.56
					For >50 To 100, Deduct	-108.29	
					For >100, Deduct	-165.17	
10 51	26 00-0120	EA			18" x 15" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	1,218.77	45.56
					For >50 To 100, Deduct	-112.77	
					For >100, Deduct	-171.88	
10 51	26 00-0121	EA			18" x 18" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	1,270.68	45.56
					For >50 To 100, Deduct	-117.96	
					For >100, Deduct	-179.67	
10 51 26 00-0122 Six Tier Solid Plastic Lockers (10 51 26 00-0001)							
10 51	26 00-0123	EA			15" x 12" x 60" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	1,139.81	44.92
					For >50 To 100, Deduct	-105.00	
					For >100, Deduct	-160.19	
10 51	26 00-0124	EA			12" x 12" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	1,118.24	46.20
					For >50 To 100, Deduct	-102.58	
					For >100, Deduct	-156.65	
10 51	26 00-0125	EA			12" x 15" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	1,155.23	46.20
					For >50 To 100, Deduct	-106.28	
					For >100, Deduct	-162.20	
10 51	26 00-0126	EA			12" x 18" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	1,179.91	46.20
					For >50 To 100, Deduct	-108.75	
					For >100, Deduct	-165.90	
10 51	26 00-0127	EA			15" x 12" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	1,229.23	46.20
					For >50 To 100, Deduct	-113.68	
					For >100, Deduct	-173.30	
10 51	26 00-0128	EA			15" x 15" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	1,243.63	46.20
					For >50 To 100, Deduct	-115.12	
					For >100, Deduct	-175.46	
10 51	26 00-0129	EA			15" x 18" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	1,253.91	46.20
					For >50 To 100, Deduct	-116.15	
					For >100, Deduct	-177.00	
10 51	26 00-0130	EA			18" x 12" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	1,258.01	46.20
					For >50 To 100, Deduct	-116.56	
					For >100, Deduct	-177.61	
10 51	26 00-0131	EA			18" x 15" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	1,303.23	46.20
					For >50 To 100, Deduct	-121.08	
					For >100, Deduct	-184.40	
10 51	26 00-0132	EA			18" x 18" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	1,362.86	46.20
					For >50 To 100, Deduct	-127.05	
					For >100, Deduct	-193.34	
10 51 26 00-0133 Solid Plastic Locker Accessories (10 51 26 00-0001)							
10 51 26 00-0134 Slope Tops For Solid Plastic Lockers (10 51 26 00-0133)							
					Note: Price per frame.		
10 51	26 00-0135	EA			Slope Top For Solid Plastic Lockers (Tufftec Lockers®).....	52.99	
10 51 26 00-0136 Recessed Bases For Solid Plastic Lockers (10 51 26 00-0133)							
					Note: Price per frame.		
10 51	26 00-0137	EA			Recessed Base For Solid Plastic Lockers (Tufftec Lockers®).....	58.30	
10 51 26 00-0138 End Panels For Solid Plastic Lockers (10 51 26 00-0133)							
					Note: Price per frame.		
10 51	26 00-0139	EA			End Panel For Solid Plastic Lockers (Tufftec Lockers®)	135.72	
10 51 26 00-0140 Venting Options For Solid Plastic Locker Doors (10 51 26 00-0133)							
					Note: Price per frame.		
10 51	26 00-0141	EA			Horizontal Venting Option For Solid Plastic Locker Doors	53.38	
10 51 26 00-0142 Filler Panels For Solid Plastic Lockers (10 51 26 00-0133)							
10 51	26 00-0143	EA			Up To 6" Width, Filler Panel For Solid Plastic Lockers (Tufftec Lockers®)	138.84	
					Note: Full locker height. Width and height cut to size in the field.		
10 51 26 00-0144 Locker Accessories For Solid Plastic Lockers (10 51 26 00-0133)							
10 51	26 00-0145	EA			Built In Hasp For Solid Plastic Lockers	13.34	
					Note: For removable padlocks. Excludes padlock.		
10 51	26 00-0146	EA			Built In Combination Lock For Solid Plastic Lockers	40.04	
10 51	26 00-0147	EA			Built In Key Lock For Solid Plastic Lockers	53.38	
10 51 53 Locker Room Benches (10 51)							
10 51	53 00-0001	LF			9-1/2" Wide Top, 17" To 19" Height, Hardwood Bench With Aluminum Pedestals	116.91	6.42
10 51	53 00-0002	LF			9-1/2" Wide Top, 17" To 19" Height, Hardwood Bench With Painted Steel Pedestals	93.32	6.42
10 51	53 00-0003	LF			9-1/2" Wide Top, 17" To 19" Height, Plastic Laminated Bench With Steel Pedestals	142.53	6.42
10 51	53 00-0004	LF			9-1/2" Wide Top, 17" To 19" Height, Solid Plastic Bench With Steel Pedestals	136.21	6.42
10 51	53 00-0005	LF			9-1/2" Wide Top, 17" To 19" Height, Aluminum Bench With Aluminum Pedestals	105.83	6.42

		Specialties	10
		Storage Specialties	10 50
		Postal Specialties	10 55
MINOR	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI		UNIT COST	UNIT COST

10 55 Postal Specialties (10 50)

10 55 23 Mail Boxes (10 55)

10 55 23 23 Residential Mail Boxes (10 55 23)

10 55 23 23-0001 Residential Mail Boxes (10 55 23 23)

10 55 23 23-0002	EA	13" x 3-9/16" Satin Aluminum (Aluminum Body) Letter Slot With Interior Plate For Stainless Steel Sleeve, Add	130.92 28.49	14.44
10 55 23 23-0003	EA	13" x 3-9/16" Bright Brass (Brass Body) Letter Slot With Interior Plate For Stainless Steel Sleeve, Add	175.05 28.49	14.44
10 55 23 23-0004	EA	8" Wide x 16.5" High x 4.25" Deep, Aluminum Or Galvanized Steel Wall Mounted Mailbox	97.02	12.84
10 55 23 23-0005	EA	20" x 8-3/4" x 6-7/8" Galvanized Steel Residential Rural Mailbox With 1-1/2" Post.....	145.31	16.04

10 55 23 26 Commercial Mail Boxes (10 55 23)

10 55 23 26-0001 Commercial Letter Boxes (10 55 23 26)

Note: Includes locks and keys unless provided by the United States Postal Service.

10 55 23 26-0002	EA	15" Wide x 19" High x 7-1/2" Deep, US Postal Service Approved, Surface Mount, Aluminum Letter Box (Salsbury 2240AU)	421.22	19.25
10 55 23 26-0003	EA	15" Wide x 19" High x 6-3/4" Deep, Private Use/Access, Recessed Mount, Aluminum Letter Box (Salsbury 2245AP)	486.83	19.25

10 55 23 26-0004 Commercial Horizontal Mail Boxes (10 55 23 26)

Note: Includes locks and keys unless provided by the United States Postal Service.

10 55 23 26-0005	BOX	5-1/2" Wide x 5-1/2" High x 15-1/2" Deep, Private Use/Access, Wall Mount, Aluminum Horizontal Mail Boxes, Per Box	85.50	19.25
10 55 23 26-0006	BOX	10-3/4" Wide x 5-1/2" High x 15-1/2" Deep, Private Use/Access, Wall Mount, Aluminum Horizontal Mail Boxes, Per Box.....	181.57	25.66
10 55 23 26-0007	BOX	6-3/8" Wide x 5" High x 17" Deep, US Postal Service Approved, Wall Mount, Aluminum Horizontal Mail Boxes, Per Box.....	109.85	16.04
10 55 23 26-0008	BOX	12-7/8" Wide x 5" High x 17" Deep, US Postal Service Approved, Wall Mount, Aluminum Horizontal Mail Boxes, Per Box.....	170.80	25.66

10 55 23 26-0009 Commercial Cluster Mail Boxes (10 55 23 26)

Note: Includes locks and keys unless provided by the United States Postal Service. Includes pedestal. Excludes concrete foundation.

10 55 23 26-0010	EA	13-15/16" Wide" x 24-1/8" High x 15" Deep, Pedestal Mount, Aluminum (NDCBU) Neighborhood Delivery And Collection Mail Box (National Mailboxes H8MNDCCBU5)	2,160.06	38.51
10 55 23 26-0011	EA	26-15/16" Wide x 24-1/8" High x 15" Deep, Pedestal Mount, Aluminum (NDCBU) Neighborhood Delivery And Collection Mail Box (National Mailboxes H16MNDCCBU8)	2,559.70	51.34
10 55 23 26-0012	EA	30-1/2" Wide x 62" High x 17-7/8" Deep, 8 Tenant Doors, 2 Parcel Lockers, Pedestal Mount, Aluminum And Stainless Steel Construction, (CBU) Cluster Mail Box (AF Florence Vital 1570-8).....	3,465.73	51.34
10 55 23 26-0013	EA	30-1/2" Wide x 62" High x 17-7/8" Deep, 12 Tenant Doors, 1 Parcel Locker, Pedestal Mount, Aluminum And Stainless Steel Construction, (CBU) Cluster Mail Box (AF Florence Vital 1570-12).....	3,575.08	51.34
10 55 23 26-0014	EA	30-1/2" Wide x 62" High x 17-7/8" Deep, 16 Tenant Doors, 2 Parcel Lockers, Pedestal Mount, Aluminum And Stainless Steel Construction, (CBU) Cluster Mail Box (AF Florence Vital 1570-16).....	3,739.10	51.34

10 55 23 26-0015 Commercial 4C Mail Boxes (10 55 23 26)

Note: Includes locks and keys unless provided by the United States Postal Service.

10 55 23 26-0016	EA	31-9/16" Wide x 40-3/4" High x 17" Deep, 9 Doors, Recessed Wall Mount, Aluminum 4C Mail Box (AF Florence 4C11S-09)	1,902.07	51.34
10 55 23 26-0017	EA	31-9/16" Wide x 40-3/4" High x 17" Deep, 15 Doors, 1 Parcel Locker, Recessed Wall Mount, Aluminum 4C Mail Box (AF Florence 4C11D-15)	3,339.69	51.34
10 55 23 26-0018	EA	31-9/16" Wide x 40-3/4" High x 17" Deep, 19 Doors, Recessed Wall Mount, Aluminum 4C Mail Box (AF Florence 4C11D-19).....	3,470.91	51.34

10 55 26 Parcel Lockers (10 55)

10 55 26 00-0001 Parcel Lockers (10 55 26)

10 55 26 00-0002	EA	24" x 14" x 15" Deep, Aluminum Pedestal Mounted Parcel Locker	1,606.84	38.51
Note: Two compartments.				
10 55 26 00-0003	EA	48" x 16" x 18" Deep, Aluminum Pedestal Mounted Parcel Locker	1,910.88	51.34
Note: Two compartments.				

10 56 Storage Assemblies (10 50)

10 56 13 Metal Storage Shelving (10 56)

10 56 13 16 Post-And-Shelf Metal Storage Shelving (10 56 13)

10 56 13 16-0001 Baked Enamel Steel Shelving (10 56 13 16)

10 56 13 16-0002 7 Shelf Unit, 72" Or 87" High, Full Unit, Open Type (10 56 13 16-0001)

10 56 13 16-0003	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 10" Wide Shelf	153.28 13.40	21.86
10 56 13 16-0004	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 12" Wide Shelf	153.50 13.30	22.96
10 56 13 16-0005	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 15" Wide Shelf	147.33 12.51	25.15

10	10	Specialties
	10 50	Storage Specialties
	10 56	Storage Assemblies



		MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	10 56 13 16-0006	LF			75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 18" Wide Shelf <i>For >75" To 87" High, Add</i>	187.62 16.40	27.33
	10 56 13 16-0007	LF			75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 24" Wide Shelf <i>For >75" To 87" High, Add</i>	210.43 18.51	28.42
	10 56 13 16-0008	LF			75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 30" Wide Shelf <i>For >75" To 87" High, Add</i>	202.63 17.58	30.61
	10 56 13 16-0009	LF			75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 36" Wide Shelf <i>For >75" To 87" High, Add</i>	225.23 19.68	32.79
	10 56 13 16-0010				3 Shelf Unit, 32" High Base Unit Only, Fully Enclosed (10 56 13 16-0001) Note: Adjustable shelves.		
	10 56 13 16-0011	LF			32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 10" Wide Shelf	110.74	11.15
	10 56 13 16-0012	LF			32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 12" Wide Shelf	109.47	11.92
	10 56 13 16-0013	LF			32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 15" Wide Shelf	123.04	12.68
	10 56 13 16-0014	LF			32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 18" Wide Shelf	127.93	13.45
	10 56 13 16-0015	LF			32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 24" Wide Shelf	147.48	14.32
	10 56 13 16-0016				4 Shelf Unit, 40" High Unit (10 56 13 16-0001)		
	10 56 13 16-0017	LF			40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 10" Wide Shelf	128.67	21.86
	10 56 13 16-0018	LF			40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 12" Wide Shelf	104.26	22.96
	10 56 13 16-0019	LF			40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 15" Wide Shelf	119.68	25.15
	10 56 13 16-0020	LF			40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 18" Wide Shelf	126.10	27.33
	10 56 13 16-0021	LF			40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 24" Wide Shelf	144.23	28.42
	10 56 16				Fabricated Wood Storage Shelving (10 56)		
	10 56 16 00-0001				Shelving (10 56 16)		
	10 56 16 00-0002				Built-In Wood Shelving (10 56 16 00-0001) Note: Priced by shelf area. Includes hardware and trim.		
	10 56 16 00-0003	SF			Built-in Wood Storage Shelving Post And Trimmed Plywood <i>For Each SF Of Lumber Edge Band, Add</i> <i>For Each SF Of Prefinished Shelves, Add</i>	24.65 0.69 2.32	3.23
	10 56 16 00-0004	SF			Built-in Wood Storage Shelving Post And Solid Clear Pine <i>For Each SF Of Lumber Edge Band, Add</i> <i>For Each SF Of Prefinished Shelves, Add</i>	26.57 0.69 2.32	3.88
	10 56 16 00-0005	SF			Built-in Wood Storage Shelving Closet Shelf Of Pine With Rod <i>For Each SF Of Lumber Edge Band, Add</i> <i>For Each SF Of Prefinished Shelves, Add</i>	26.89 0.69 2.32	6.47
	10 56 16 00-0006				Wood Shelving, White Pine, Clear Grade, Wall Mounted (10 56 16 00-0001)		
	10 56 16 00-0007	LF			1" x 8" White Pine Clear Grade Wood Shelving.....	20.58	7.77
	10 56 16 00-0008	LF			1" x 10" White Pine Clear Grade Wood Shelving.....	22.58	8.28
	10 56 16 00-0009	LF			1" x 12" White Pine Clear Grade Wood Shelving.....	24.83	8.93
	10 56 16 00-0010	SF			Wood Shelving, 2" White Pine Clear Grade.....	32.22	
	10 56 16 00-0011				Plywood Shelf With Edge Band (10 56 16 00-0001)		
	10 56 16 00-0012	LF			12" Wide, 3/4" Plywood Shelf With Edge Band.....	24.96	7.77
	10 56 16 00-0013	LF			24" Wide, 3/4" Plywood Shelf With Edge Band.....	38.62	9.70
	10 56 16 00-0014				Adjustable Shelf And Rod (10 56 16 00-0001)		
	10 56 16 00-0015	EA			12" Wide Adjustable Shelf, 3' To 6' Long..... Note: Including Rod	216.82	29.11
	10 56 16 00-0016	EA			12" Wide Adjustable Shelf, 5' To 8' Long..... Note: Including Rod	256.28	38.82
	10 56 16 00-0017				Prefinished Wood Shelves With Brackets And Supports (10 56 16 00-0001)		
	10 56 16 00-0018	LF			Prefinished Wood Shelves, 8" Wide, With Brackets And Supports.....	21.75	7.77
	10 56 16 00-0019	LF			Prefinished Wood Shelves, 10" Wide, With Brackets And Supports.....	23.63	8.28
	10 56 16 00-0020	SF			Adjustable 3/4" Plastic Laminated Wood Shelves, Recessed Metal Standards.....	75.61	12.94
	10 56 16 00-0021				Wood Shelving, Oak, Clear Grade, Wall Mounted (10 56 16 00-0001)		
	10 56 16 00-0022	LF			Wood Shelving, 1" X 8" Oak Clear Grade.....	24.46	12.17
	10 56 17				Wall-Mounted Standards and Shelving (10 56)		
	10 56 17 00-0001				Galvanized Steel, Wall Mounted Solid Shelving (10 56 17) Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.		
	10 56 17 00-0002	LF			8" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	93.87 3.88 4.57	12.83
	10 56 17 00-0003	LF			10" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	97.16 3.88 4.57	12.83
	10 56 17 00-0004	LF			12" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	104.79 3.88 4.57	12.83

			Specialties	10
			Storage Specialties	10 50
			Storage Assemblies	10 56

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 56 17 00-0005	LF	16" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	114.65 3.88 4.57	12.83
10 56 17 00-0006	LF	18" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	117.10 3.88 4.57	12.83
10 56 17 00-0007	LF	24" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	138.22 3.88 4.57	12.83
10 56 17 00-0008		304 Stainless Steel, Wall Mounted Solid Shelving (10 56 17) Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.		
10 56 17 00-0009	LF	8" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	153.77 3.88 4.57	12.83
10 56 17 00-0010	LF	10" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	168.72 3.88 4.57	12.83
10 56 17 00-0011	LF	12" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	183.75 3.88 4.57	12.83
10 56 17 00-0012	LF	16" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	218.29 3.88 4.57	12.83
10 56 17 00-0013	LF	18" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	238.73 3.88 4.57	12.83
10 56 17 00-0014	LF	24" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	268.26 3.88 4.57	12.83
10 56 17 00-0015		Laminated Particleboard, Wall Mounted Solid Shelving (10 56 17) Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.		
10 56 17 00-0016	LF	8" Depth, Laminated Particleboard, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	62.77 3.88 4.57	12.83
10 56 17 00-0017	LF	10" Depth, Laminated Particleboard, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	64.99 3.88 4.57	12.83
10 56 17 00-0018	LF	12" Depth, Laminated Particleboard, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	67.69 3.88 4.57	12.83
10 56 17 00-0019	LF	16" Depth, Laminated Particleboard, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	71.60 3.88 4.57	12.83
10 56 17 00-0020	LF	18" Depth, Laminated Particleboard, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	76.33 3.88 4.57	12.83
10 56 17 00-0021	LF	24" Depth, Laminated Particleboard, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	89.06 3.88 4.57	12.83
10 56 17 00-0022		Chrome Plated Steel, Wall Mounted Wire Shelving (10 56 17) Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.		
10 56 17 00-0023	LF	14" Depth, Chrome Plated Steel, Wall Mounted Wire Shelving <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	91.78 3.88 4.57	12.83
10 56 17 00-0024	LF	18" Depth, Chrome Plated Steel, Wall Mounted Wire Shelving <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	103.29 3.88 4.57	12.83
10 56 17 00-0025		Stainless Steel, Wall Mounted Wire Shelving (10 56 17) Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.		
10 56 17 00-0026	LF	14" Depth, Stainless Steel, Wall Mounted Wire Shelving <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	216.88 3.88 4.57	12.83
10 56 17 00-0027	LF	18" Depth, Stainless Steel, Wall Mounted Wire Shelving <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	225.70 3.88 4.57	12.83
10 56 17 00-0028		Prefinished Hardwood Plywood, Wall Mounted Solid Shelving (10 56 17) Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.		
10 56 17 00-0029	LF	8" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	64.84 5.28 5.97	12.83
10 56 17 00-0030	LF	10" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	66.32 5.31 6.00	12.83
10 56 17 00-0031	LF	12" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	67.27 5.33 6.02	12.83
10 56 17 00-0032	LF	16" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	70.75 5.39 6.08	12.83

10	10	Specialties
	10 50	Storage Specialties
	10 56	Storage Assemblies

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
10 56 17 00-0033	LF	18" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving.....	72.53		12.83
		<i>For Installation On Concrete Walls, Add</i>	5.42		
		<i>For Installation On Concrete Block Walls, Add</i>	6.11		
10 56 17 00-0034	LF	24" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving.....	77.87		12.83
		<i>For Installation On Concrete Walls, Add</i>	5.51		
		<i>For Installation On Concrete Block Walls, Add</i>	6.20		
10 56 17 00-0035		Wall Mounted Shelving Accessories (10 56 17)			
10 56 17 00-0036	LF	Removal And Reinstallation Of Single Shelf Metal Storage Shelving Unit.....	35.79		

10 57 Wardrobe And Closet Specialties (10 50)

10 57 13 Hat And Coat Racks (10 57)

10 57 13 00-0001 Hat And Coat Rack (10 57 13)

10 57 13 00-0002 Single Tier (10 57 13 00-0001)

10 57 13 00-0003	LF	Single Tier Hat And Coat Rack Baked Enameled Steel.....	74.20		6.42
		<i>For Custom Made Units, Add</i>	34.31		
10 57 13 00-0004	LF	Single Tier Hat And Coat Rack Stainless Steel	53.73		6.42
		<i>For Custom Made Units, Add</i>	22.03		
10 57 13 00-0005	LF	Single Tier Hat And Coat Rack Aluminum	150.04		6.42
		<i>For Custom Made Units, Add</i>	79.82		

10 57 13 00-0006 Double Tier (10 57 13 00-0001)

10 57 13 00-0007	LF	Double Tier Hat And Coat Rack Baked Enameled Steel	99.43		6.42
		<i>For Custom Made Units, Add</i>	47.04		
10 57 13 00-0008	LF	Double Tier Hat And Coat Rack Stainless Steel	60.62		6.42
		<i>For Custom Made Units, Add</i>	23.75		
10 57 13 00-0009	LF	Double Tier Hat And Coat Rack Aluminum.....	256.51		6.42
		<i>For Custom Made Units, Add</i>	141.29		

10 57 43 Wardrobe Units (10 57)

10 57 43 00-0001 Dormitory Wardrobe Units (10 57 43)

10 57 43 00-0002	EA	24" x 24" x 68" Hardwood Veneer Dormitory Wardrobe Unit With Door	2,224.12		237.69
		<i>For Custom Made Units, Add</i>	1,168.10		
10 57 43 00-0003	EA	24" x 24" x 68" Plastic Laminate Dormitory Wardrobe Unit With Door	1,710.44		237.69
		<i>For Custom Made Units, Add</i>	859.90		

10 57 43 00-0004 Wardrobe Units (10 57 43)

10 57 43 00-0005 Teachers Wardrobe Units (10 57 43 00-0004)

Note: Includes shelf, clothes pole and mirror, lockable door and hardware.

10 57 43 00-0006	CF	Baked Enamel Steel Teacher Wardrobe Unit With Door	52.86		4.69
		<i>For Open Wardrobe Units Without Door, Deduct</i>	-5.67		
		<i>For Custom Made Units, Add</i>	25.17		
10 57 43 00-0007	CF	Hardwood Teacher Wardrobe Unit With Door	48.48		4.69
		<i>For Open Wardrobe Units Without Door, Deduct</i>	-5.12		
		<i>For Custom Made Units, Add</i>	22.54		
10 57 43 00-0008	CF	Stainless Steel Teacher Wardrobe Unit With Door	97.44		4.69
		<i>For Open Wardrobe Units Without Door, Deduct</i>	-11.24		
		<i>For Custom Made Units, Add</i>	51.92		
10 57 43 00-0009	CF	Plastic Laminate Teacher Wardrobe Unit With Door	128.14		4.69
		<i>For Open Wardrobe Units Without Door, Deduct</i>	-15.08		
		<i>For Custom Made Units, Add</i>	70.34		
10 57 43 00-0010	CF	Birch Veneer Teacher Wardrobe Unit With Door	48.83		4.69
		<i>For Open Wardrobe Units Without Door, Deduct</i>	-5.17		
		<i>For Custom Made Units, Add</i>	22.75		
10 57 43 00-0011	CF	Oak Veneer Teacher Wardrobe Unit With Door	63.91		4.69
		<i>For Open Wardrobe Units Without Door, Deduct</i>	-7.05		
		<i>For Custom Made Units, Add</i>	31.80		
10 57 43 00-0012	CF	Walnut Veneer Teacher Wardrobe Unit With Door	71.42		4.69
		<i>For Open Wardrobe Units Without Door, Deduct</i>	-7.99		
		<i>For Custom Made Units, Add</i>	36.30		

10 57 43 00-0013 Students Wardrobe Units (10 57 43 00-0004)

Note: With continuous shelf, two rows of coat hooks, door and hardware.

10 57 43 00-0014	CF	Baked Enamel Steel Student Wardrobe Unit With Door	50.30		4.69
		<i>For Open Wardrobe Units Without Door, Deduct</i>	-5.35		
		<i>For Custom Made Units, Add</i>	23.63		
10 57 43 00-0015	CF	Hardwood Student Wardrobe Unit With Door	46.24		4.69
		<i>For Open Wardrobe Units Without Door, Deduct</i>	-4.84		
		<i>For Custom Made Units, Add</i>	21.20		
10 57 43 00-0016	CF	Stainless Steel Student Wardrobe Unit With Door.....	91.54		4.69
		<i>For Open Wardrobe Units Without Door, Deduct</i>	-10.51		
		<i>For Custom Made Units, Add</i>	48.38		
10 57 43 00-0017	CF	Plastic Laminate Student Wardrobe Unit With Door	119.93		4.69
		<i>For Open Wardrobe Units Without Door, Deduct</i>	-14.06		
		<i>For Custom Made Units, Add</i>	65.41		
10 57 43 00-0018	CF	Birch Veneer Student Wardrobe Unit With Door	46.58		4.69
		<i>For Open Wardrobe Units Without Door, Deduct</i>	-4.89		
		<i>For Custom Made Units, Add</i>	21.40		

			Specialties	10
			Storage Specialties	10 50
			Wardrobe And Closet Specialties	10 57

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 57 43 00-0019	CF	Oak Veneer Student Wardrobe Unit With Door <i>For Open Wardrobe Units Without Door, Deduct</i> <i>For Custom Made Units, Add</i>	60.50 -6.63 29.75	4.69
10 57 43 00-0020	CF	Walnut Veneer Student Wardrobe Unit With Door <i>For Open Wardrobe Units Without Door, Deduct</i> <i>For Custom Made Units, Add</i>	67.47 -7.50 33.93	4.69
10 57 43 00-0021		Materials Cabinet Units (10 57 43 00-0004) Note: With multiple shelves, lockable door and hardware.		
10 57 43 00-0022	CF	Baked Enamel Steel Materials Cabinet Unit With Door	54.40	9.37
10 57 43 00-0023	CF	Hardwood Materials Cabinet Unit With Door	49.82	9.37
10 57 43 00-0024	CF	Stainless Steel Materials Cabinet Unit With Door	100.98	9.37
10 57 43 00-0025	CF	Plastic Laminate Materials Cabinet Unit With Door	133.07	9.37
10 57 43 00-0026	CF	Birch Veneer Materials Cabinet Unit With Door	50.19	9.37
10 57 43 00-0027	CF	Oak Veneer Materials Cabinet Unit With Door	65.94	9.37
10 57 43 00-0028	CF	Walnut Veneer Materials Cabinet Unit With Door	73.79	9.37
10 57 43 00-0029		Accessories (10 57 43 00-0004)		
10 57 43 00-0030	EA	Single Prong Wardrobe Closet Hooks Note: Height 1 1/8", Width 1 1/8", satin chrome finish, wall mount, 1" projection.	72.58	9.62
10 57 43 00-0031		Movable Wardrobe Racks (10 57 43 00-0004)		
10 57 43 00-0032	EA	60" Long x 20" Wide, Movable Wardrobe Rack, 54" To 74" Adjustable Height	231.25	

10 70 Exterior Specialties (10)

10 71 Exterior Protection (10 70)

10 71 13 Exterior Sun Control Devices (10 71)

10 71 13 13 Exterior Shutters (10 71 13)

10 71 13 13-0001 Exterior Shutters, High Impact Resistant Plastic, Unfinished (10 71 13 13)

10 71 13 13-0002 Raised Panel Decorative Shutters (10 71 13 13-0001)

10 71 13 13-0003	PR	15" x 35" Raised Panel Shutter, High Impact Resistant Plastic	169.14	42.65
		<i>For Colored Finish, Add</i>	20.21	
10 71 13 13-0004	PR	15" x 39" Raised Panel Shutter, High Impact Resistant Plastic	181.18	44.58
		<i>For Colored Finish, Add</i>	21.91	
10 71 13 13-0005	PR	15" x 43" Raised Panel Shutter, High Impact Resistant Plastic	189.15	46.52
		<i>For Colored Finish, Add</i>	22.88	
10 71 13 13-0006	PR	15" x 47" Raised Panel Shutter, High Impact Resistant Plastic	201.54	48.46
		<i>For Colored Finish, Add</i>	24.65	
10 71 13 13-0007	PR	15" x 51" Raised Panel Shutter, High Impact Resistant Plastic	212.20	50.40
		<i>For Colored Finish, Add</i>	26.10	
10 71 13 13-0008	PR	15" x 55" Raised Panel Shutter, High Impact Resistant Plastic	222.25	52.34
		<i>For Colored Finish, Add</i>	27.44	
10 71 13 13-0009	PR	15" x 59" Raised Panel Shutter, High Impact Resistant Plastic	235.83	54.28
		<i>For Colored Finish, Add</i>	29.42	
10 71 13 13-0010	PR	15" x 63" Raised Panel Shutter, High Impact Resistant Plastic	253.69	56.22
		<i>For Colored Finish, Add</i>	32.17	
10 71 13 13-0011	PR	15" x 67" Raised Panel Shutter, High Impact Resistant Plastic	266.25	58.16
		<i>For Colored Finish, Add</i>	33.97	
10 71 13 13-0012	PR	15" x 71" Raised Panel Shutter, High Impact Resistant Plastic	280.38	60.09
		<i>For Colored Finish, Add</i>	36.05	
10 71 13 13-0013	PR	15" x 75" Raised Panel Shutter, High Impact Resistant Plastic	285.19	62.03
		<i>For Colored Finish, Add</i>	36.45	
10 71 13 13-0014	PR	15" x 81" Raised Panel Shutter, High Impact Resistant Plastic	295.42	63.97
		<i>For Colored Finish, Add</i>	37.82	

10 71 13 13-0015 Louvered Decorative Shutters (10 71 13 13-0001)

10 71 13 13-0016	PR	15" x 25" Louvered Shutter, High Impact Resistant Plastic	121.05	38.77
		<i>For Colored Finish, Add</i>	12.48	
10 71 13 13-0017	PR	15" x 31" Louvered Shutter, High Impact Resistant Plastic	131.11	40.71
		<i>For Colored Finish, Add</i>	13.83	
10 71 13 13-0018	PR	15" x 36" Louvered Shutter, High Impact Resistant Plastic	141.20	42.65
		<i>For Colored Finish, Add</i>	15.18	
10 71 13 13-0019	PR	15" x 39" Louvered Shutter, High Impact Resistant Plastic	150.43	44.58
		<i>For Colored Finish, Add</i>	16.38	
10 71 13 13-0020	PR	15" x 43" Louvered Shutter, High Impact Resistant Plastic	160.84	46.52
		<i>For Colored Finish, Add</i>	17.79	
10 71 13 13-0021	PR	15" x 48" Louvered Shutter, High Impact Resistant Plastic	171.70	48.46
		<i>For Colored Finish, Add</i>	19.27	
10 71 13 13-0022	PR	15" x 52" Louvered Shutter, High Impact Resistant Plastic	179.15	50.40
		<i>For Colored Finish, Add</i>	20.15	
10 71 13 13-0023	PR	15" x 55" Louvered Shutter, High Impact Resistant Plastic	187.40	52.34
		<i>For Colored Finish, Add</i>	21.17	
10 71 13 13-0024	PR	15" x 60" Louvered Shutter, High Impact Resistant Plastic	198.41	54.28
		<i>For Colored Finish, Add</i>	22.69	
10 71 13 13-0025	PR	15" x 64" Louvered Shutter, High Impact Resistant Plastic	213.07	56.22
		<i>For Colored Finish, Add</i>	24.86	

10	10	Specialties
	10 70	Exterior Specialties
	10 71	Exterior Protection



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
10 71 13 13-0026	PR 15" x 67" Louvered Shutter, High Impact Resistant Plastic..... <i>For Colored Finish, Add</i>	220.13 25.67		58.16	
10 71 13 13-0027	PR 15" x 72" Louvered Shutter, High Impact Resistant Plastic..... <i>For Colored Finish, Add</i>	238.47 28.50		60.09	
10 71 13 13-0028	PR 15" x 75" Louvered Shutter, High Impact Resistant Plastic..... <i>For Colored Finish, Add</i>	245.47 29.30		62.03	
10 71 13 13-0029	PR 15" x 80" Louvered Shutter, High Impact Resistant Plastic..... <i>For Colored Finish, Add</i>	258.31 31.14		63.97	
10 71 13 13-0030	Exterior Spanish Cedar Shutters (10 71 13 13)				
10 71 13 13-0031	12" Width (10 71 13 13-0030)				
10 71 13 13-0032	PR 12" x 36" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	578.78 150.00		38.77	
10 71 13 13-0033	PR 12" x 42" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	625.28 150.00		42.65	
10 71 13 13-0034	PR 12" x 48" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	669.21 150.00		44.58	
10 71 13 13-0035	PR 12" x 54" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	715.72 150.00		48.46	
10 71 13 13-0036	PR 12" x 60" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	759.65 150.00		50.40	
10 71 13 13-0037	PR 12" x 66" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	809.60 150.00		54.28	
10 71 13 13-0038	PR 12" x 72" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	853.54 150.00		56.22	
10 71 13 13-0039	PR 12" x 78" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	897.45 150.00		58.16	
10 71 13 13-0040	PR 12" x 84" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	943.96 150.00		62.03	
10 71 13 13-0041	14" Width (10 71 13 13-0030)				
10 71 13 13-0042	PR 14" x 36" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	613.24 150.00		38.77	
10 71 13 13-0043	PR 14" x 42" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	666.62 150.00		42.65	
10 71 13 13-0044	PR 14" x 48" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	717.46 150.00		44.58	
10 71 13 13-0045	PR 14" x 54" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	770.84 150.00		48.46	
10 71 13 13-0046	PR 14" x 60" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	821.66 150.00		50.40	
10 71 13 13-0047	PR 14" x 66" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	875.05 150.00		54.28	
10 71 13 13-0048	PR 14" x 72" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	925.89 150.00		56.22	
10 71 13 13-0049	PR 14" x 78" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	973.24 150.00		58.16	
10 71 13 13-0050	PR 14" x 84" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	1,026.64 150.00		62.03	
10 71 13 13-0051	16" Width (10 71 13 13-0030)				
10 71 13 13-0052	PR 16" x 36" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	651.13 150.00		38.77	
10 71 13 13-0053	PR 16" x 42" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	707.96 150.00		42.65	
10 71 13 13-0054	PR 16" x 48" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	765.68 150.00		44.58	
10 71 13 13-0055	PR 16" x 54" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	822.52 150.00		48.46	
10 71 13 13-0056	PR 16" x 60" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	880.22 150.00		50.40	
10 71 13 13-0057	PR 16" x 66" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	940.51 150.00		54.28	
10 71 13 13-0058	PR 16" x 72" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	994.79 150.00		56.22	
10 71 13 13-0059	PR 16" x 78" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	1,052.48 150.00		58.16	
10 71 13 13-0060	PR 16" x 84" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	1,112.77 150.00		62.03	
10 71 13 13-0061	18" Width (10 71 13 13-0030)				
10 71 13 13-0062	PR 18" x 36" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	685.58 150.00		38.77	
10 71 13 13-0063	PR 18" x 42" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	749.31 150.00		42.65	
10 71 13 13-0064	PR 18" x 48" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	813.92 150.00		44.58	
10 71 13 13-0065	PR 18" x 54" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	877.64 150.00		48.46	
10 71 13 13-0066	PR 18" x 60" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	938.78 150.00		50.40	
10 71 13 13-0067	PR 18" x 66" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	1,005.97 150.00		54.28	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0068	PR	18" x 72" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	1,067.12 150.00	56.22
10 71 13 13-0069	PR	18" x 78" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	1,131.71 150.00	58.16
10 71 13 13-0070	PR	18" x 84" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	1,195.45 150.00	62.03
10 71 13 13-0071 20" Width (10 71 13 13-0030)				
10 71 13 13-0072	PR	20" x 36" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	720.03 150.00	38.77
10 71 13 13-0073	PR	20" x 42" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	790.64 150.00	42.65
10 71 13 13-0074	PR	20" x 48" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	858.70 150.00	44.58
10 71 13 13-0075	PR	20" x 54" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	932.76 150.00	48.46
10 71 13 13-0076	PR	20" x 60" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	1,000.80 150.00	50.40
10 71 13 13-0077	PR	20" x 66" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	1,071.42 150.00	54.28
10 71 13 13-0078	PR	20" x 72" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	1,139.47 150.00	56.22
10 71 13 13-0079	PR	20" x 78" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	1,207.50 150.00	58.16
10 71 13 13-0080	PR	20" x 84" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	1,278.13 150.00	62.03
10 71 13 13-0081 Heavy-Duty Exterior True Louver Shutters, Western Red Cedar (10 71 13 13)				
10 71 13 13-0082 12" Width (10 71 13 13-0081)				
10 71 13 13-0083	PR	12" x 36-1/2" Louver Shutter, Heavy-Duty Red Cedar <i>For Arched Tops, Add</i>	521.85 150.00	38.77
10 71 13 13-0084	PR	12" x 39-1/2" Louver Shutter, Heavy-Duty Red Cedar <i>For Arched Tops, Add</i>	555.72 150.00	40.71
10 71 13 13-0085	PR	12" x 44" Louver Shutter, Heavy-Duty Red Cedar <i>For Arched Tops, Add</i>	605.24 150.00	42.65
10 71 13 13-0086	PR	12" x 47" Louver Shutter, Heavy-Duty Red Cedar <i>For Arched Tops, Add</i>	639.13 150.00	44.58
10 71 13 13-0087	PR	12" x 51-1/2" Louver Shutter, Heavy-Duty Red Cedar <i>For Arched Tops, Add</i>	688.65 150.00	46.52
10 71 13 13-0088	PR	12" x 56" Louver Shutter, Heavy-Duty Red Cedar <i>For Arched Tops, Add</i>	738.18 150.00	48.46
10 71 13 13-0089	PR	12" x 59" Louver Shutter, Heavy-Duty Red Cedar <i>For Arched Tops, Add</i>	772.07 150.00	50.40
10 71 13 13-0090	PR	12" x 63-1/2" Louver Shutter, Heavy-Duty Red Cedar <i>For Arched Tops, Add</i>	821.58 150.00	52.34
10 71 13 13-0091	PR	12" x 68" Louver Shutter, Heavy-Duty Red Cedar <i>For Arched Tops, Add</i>	871.11 150.00	54.28
10 71 13 13-0092	PR	12" x 72-1/2" Louver Shutter, Heavy-Duty Red Cedar <i>For Arched Tops, Add</i>	920.64 150.00	56.22
10 71 13 13-0093	PR	12" x 75-1/2" Louver Shutter, Heavy-Duty Red Cedar <i>For Arched Tops, Add</i>	954.52 150.00	58.16
10 71 13 13-0094	PR	12" x 80" Louver Shutter, Heavy-Duty Red Cedar <i>For Arched Tops, Add</i>	1,004.05 150.00	60.09
10 71 13 13-0095	PR	12" x 83" Louver Shutter, Heavy-Duty Red Cedar <i>For Arched Tops, Add</i>	1,037.92 150.00	62.03
10 71 13 13-0096 14" Width (10 71 13 13-0081)				
10 71 13 13-0097	PR	14" x 36-1/2" Louver Shutter, Heavy-Duty Red Cedar <i>For Arched Tops, Add</i>	585.30 150.00	38.77
10 71 13 13-0098	PR	14" x 39-1/2" Louver Shutter, Heavy-Duty Red Cedar <i>For Arched Tops, Add</i>	624.40 150.00	40.71
10 71 13 13-0099	PR	14" x 44" Louver Shutter, Heavy-Duty Red Cedar <i>For Arched Tops, Add</i>	681.74 150.00	42.65
10 71 13 13-0100	PR	14" x 47" Louver Shutter, Heavy-Duty Red Cedar <i>For Arched Tops, Add</i>	720.85 150.00	44.58
10 71 13 13-0101	PR	14" x 51-1/2" Louver Shutter, Heavy-Duty Red Cedar <i>For Arched Tops, Add</i>	778.18 150.00	46.52
10 71 13 13-0102	PR	14" x 56" Louver Shutter, Heavy-Duty Red Cedar <i>For Arched Tops, Add</i>	835.54 150.00	48.46
10 71 13 13-0103	PR	14" x 59" Louver Shutter, Heavy-Duty Red Cedar <i>For Arched Tops, Add</i>	874.63 150.00	50.40
10 71 13 13-0104	PR	14" x 63-1/2" Louver Shutter, Heavy-Duty Red Cedar <i>For Arched Tops, Add</i>	931.98 150.00	52.34
10 71 13 13-0105	PR	14" x 68" Louver Shutter, Heavy-Duty Red Cedar <i>For Arched Tops, Add</i>	989.34 150.00	54.28
10 71 13 13-0106	PR	14" x 72-1/2" Louver Shutter, Heavy-Duty Red Cedar <i>For Arched Tops, Add</i>	1,046.70 150.00	56.22
10 71 13 13-0107	PR	14" x 75-1/2" Louver Shutter, Heavy-Duty Red Cedar <i>For Arched Tops, Add</i>	1,085.78 150.00	58.16
10 71 13 13-0108	PR	14" x 80" Louver Shutter, Heavy-Duty Red Cedar <i>For Arched Tops, Add</i>	1,143.14 150.00	60.09
10 71 13 13-0109	PR	14" x 83" Louver Shutter, Heavy-Duty Red Cedar <i>For Arched Tops, Add</i>	1,182.22 150.00	62.03

10	10	Specialties
	10 70	Exterior Specialties
	10 71	Exterior Protection



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 71 13 13-0110	15" Width	(10 71 13 13-0081)			
10 71 13 13-0111	PR	15" x 36-1/2" Louver Shutter, Heavy-Duty Red Cedar		617.03	38.77
		For Arched Tops, Add		150.00	
10 71 13 13-0112	PR	15" x 39-1/2" Louver Shutter, Heavy-Duty Red Cedar	.....	658.73	40.71
		For Arched Tops, Add		150.00	
10 71 13 13-0113	PR	15" x 44" Louver Shutter, Heavy-Duty Red Cedar	.....	719.99	42.65
		For Arched Tops, Add		150.00	
10 71 13 13-0114	PR	15" x 47" Louver Shutter, Heavy-Duty Red Cedar	.....	761.71	44.58
		For Arched Tops, Add		150.00	
10 71 13 13-0115	PR	15" x 51-1/2" Louver Shutter, Heavy-Duty Red Cedar	.....	822.95	46.52
		For Arched Tops, Add		150.00	
10 71 13 13-0116	PR	15" x 56" Louver Shutter, Heavy-Duty Red Cedar	.....	884.22	48.46
		For Arched Tops, Add		150.00	
10 71 13 13-0117	PR	15" x 59" Louver Shutter, Heavy-Duty Red Cedar	.....	925.92	50.40
		For Arched Tops, Add		150.00	
10 71 13 13-0118	PR	15" x 63-1/2" Louver Shutter, Heavy-Duty Red Cedar	.....	987.18	52.34
		For Arched Tops, Add		150.00	
10 71 13 13-0119	PR	15" x 68" Louver Shutter, Heavy-Duty Red Cedar	.....	1,048.45	54.28
		For Arched Tops, Add		150.00	
10 71 13 13-0120	PR	15" x 72-1/2" Louver Shutter, Heavy-Duty Red Cedar	.....	1,109.73	56.22
		For Arched Tops, Add		150.00	
10 71 13 13-0121	PR	15" x 75-1/2" Louver Shutter, Heavy-Duty Red Cedar	.....	1,151.41	58.16
		For Arched Tops, Add		150.00	
10 71 13 13-0122	PR	15" x 80" Louver Shutter, Heavy-Duty Red Cedar	.....	1,212.68	60.09
		For Arched Tops, Add		150.00	
10 71 13 13-0123	PR	15" x 83" Louver Shutter, Heavy-Duty Red Cedar	.....	1,254.37	62.03
		For Arched Tops, Add		150.00	

10 71 13 13-0124	16" Width	(10 71 13 13-0081)			
10 71 13 13-0125	PR	16" x 36-1/2" Louver Shutter, Heavy-Duty Red Cedar	.....	648.76	38.77
		For Arched Tops, Add		150.00	
10 71 13 13-0126	PR	16" x 39-1/2" Louver Shutter, Heavy-Duty Red Cedar	.....	682.20	40.71
		For Arched Tops, Add		150.00	
10 71 13 13-0127	PR	16" x 44" Louver Shutter, Heavy-Duty Red Cedar	.....	758.24	42.65
		For Arched Tops, Add		150.00	
10 71 13 13-0128	PR	16" x 47" Louver Shutter, Heavy-Duty Red Cedar	.....	802.57	44.58
		For Arched Tops, Add		150.00	
10 71 13 13-0129	PR	16" x 51-1/2" Louver Shutter, Heavy-Duty Red Cedar	.....	867.72	46.52
		For Arched Tops, Add		150.00	
10 71 13 13-0130	PR	16" x 56" Louver Shutter, Heavy-Duty Red Cedar	.....	932.90	48.46
		For Arched Tops, Add		150.00	
10 71 13 13-0131	PR	16" x 59" Louver Shutter, Heavy-Duty Red Cedar	.....	977.21	50.40
		For Arched Tops, Add		150.00	
10 71 13 13-0132	PR	16" x 63-1/2" Louver Shutter, Heavy-Duty Red Cedar	.....	1,042.38	52.34
		For Arched Tops, Add		150.00	
10 71 13 13-0133	PR	16" x 68" Louver Shutter, Heavy-Duty Red Cedar	.....	1,107.56	54.28
		For Arched Tops, Add		150.00	
10 71 13 13-0134	PR	16" x 72-1/2" Louver Shutter, Heavy-Duty Red Cedar	.....	1,172.75	56.22
		For Arched Tops, Add		150.00	
10 71 13 13-0135	PR	16" x 75-1/2" Louver Shutter, Heavy-Duty Red Cedar	.....	1,217.05	58.16
		For Arched Tops, Add		150.00	
10 71 13 13-0136	PR	16" x 80" Louver Shutter, Heavy-Duty Red Cedar	.....	1,282.23	60.09
		For Arched Tops, Add		150.00	
10 71 13 13-0137	PR	16" x 83" Louver Shutter, Heavy-Duty Red Cedar	.....	1,326.52	62.03
		For Arched Tops, Add		150.00	

10 71 13 13-0138	18" Width	(10 71 13 13-0081)			
10 71 13 13-0139	PR	18" x 36-1/2" Louver Shutter, Heavy-Duty Red Cedar	.....	712.22	38.77
		For Arched Tops, Add		150.00	
10 71 13 13-0140	PR	18" x 39-1/2" Louver Shutter, Heavy-Duty Red Cedar	.....	761.74	40.71
		For Arched Tops, Add		150.00	
10 71 13 13-0141	PR	18" x 44" Louver Shutter, Heavy-Duty Red Cedar	.....	834.74	42.65
		For Arched Tops, Add		150.00	
10 71 13 13-0142	PR	18" x 47" Louver Shutter, Heavy-Duty Red Cedar	.....	884.28	44.58
		For Arched Tops, Add		150.00	
10 71 13 13-0143	PR	18" x 51-1/2" Louver Shutter, Heavy-Duty Red Cedar	.....	957.25	46.52
		For Arched Tops, Add		150.00	
10 71 13 13-0144	PR	18" x 56" Louver Shutter, Heavy-Duty Red Cedar	.....	1,030.27	48.46
		For Arched Tops, Add		150.00	
10 71 13 13-0145	PR	18" x 59" Louver Shutter, Heavy-Duty Red Cedar	.....	1,079.79	50.40
		For Arched Tops, Add		150.00	
10 71 13 13-0146	PR	18" x 63-1/2" Louver Shutter, Heavy-Duty Red Cedar	.....	1,152.78	52.34
		For Arched Tops, Add		150.00	
10 71 13 13-0147	PR	18" x 68" Louver Shutter, Heavy-Duty Red Cedar	.....	1,225.79	54.28
		For Arched Tops, Add		150.00	
10 71 13 13-0148	PR	18" x 72-1/2" Louver Shutter, Heavy-Duty Red Cedar	.....	1,298.80	56.22
		For Arched Tops, Add		150.00	
10 71 13 13-0149	PR	18" x 75-1/2" Louver Shutter, Heavy-Duty Red Cedar	.....	1,348.31	58.16
		For Arched Tops, Add		150.00	
10 71 13 13-0150	PR	18" x 80" Louver Shutter, Heavy-Duty Red Cedar	.....	1,421.31	60.09
		For Arched Tops, Add		150.00	
10 71 13 13-0151	PR	18" x 83" Louver Shutter, Heavy-Duty Red Cedar	.....	1,470.83	62.03
		For Arched Tops, Add		150.00	

		Specialties	10
		Exterior Specialties	10 70
		Exterior Protection	10 71
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION
		UNIT COST	UNIT COST

10 71 13 13-0152	Exterior Cypress Fixed Louver Wood Shutters (10 71 13 13)		
10 71 13 13-0153	6" Through 8" Width (10 71 13 13-0152)		
10 71 13 13-0154	PR 6" Thru 8" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	649.42 65.00	36.83
10 71 13 13-0155	PR 6" Thru 8" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	730.63 65.00	37.87
10 71 13 13-0156	PR 6" Thru 8" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	812.07 65.00	38.77
10 71 13 13-0157	PR 6" Thru 8" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	894.67 65.00	40.71
10 71 13 13-0158	PR 6" Thru 8" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	977.30 65.00	42.65
10 71 13 13-0159	PR 6" Thru 8" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,059.93 65.00	44.58
10 71 13 13-0160	PR 6" Thru 8" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,142.53 65.00	46.52
10 71 13 13-0161	PR 6" Thru 8" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,225.17 65.00	48.46
10 71 13 13-0162	PR 6" Thru 8" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,307.81 65.00	50.40
10 71 13 13-0163	PR 6" Thru 8" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,390.39 65.00	52.34
10 71 13 13-0164	PR 6" Thru 8" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,473.03 65.00	54.28
10 71 13 13-0165	PR 6" Thru 8" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,555.67 65.00	56.22
10 71 13 13-0166	PR 6" Thru 8" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,638.29 65.00	58.16
10 71 13 13-0167	PR 6" Thru 8" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,720.93 65.00	60.09
10 71 13 13-0168	10" Through 12" Width (10 71 13 13-0152)		
10 71 13 13-0169	PR 10" Thru 12" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	755.35 65.00	36.83
10 71 13 13-0170	PR 10" Thru 12" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	850.78 65.00	37.87
10 71 13 13-0171	PR 10" Thru 12" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	946.26 65.00	38.77
10 71 13 13-0172	PR 10" Thru 12" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,043.01 65.00	40.71
10 71 13 13-0173	PR 10" Thru 12" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,139.73 65.00	42.65
10 71 13 13-0174	PR 10" Thru 12" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,236.50 65.00	44.58
10 71 13 13-0175	PR 10" Thru 12" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,333.24 65.00	46.52
10 71 13 13-0176	PR 10" Thru 12" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,429.98 65.00	48.46
10 71 13 13-0177	PR 10" Thru 12" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,526.73 65.00	50.40
10 71 13 13-0178	PR 10" Thru 12" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,623.49 65.00	52.34
10 71 13 13-0179	PR 10" Thru 12" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,720.22 65.00	54.28
10 71 13 13-0180	PR 10" Thru 12" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,816.99 65.00	56.22
10 71 13 13-0181	PR 10" Thru 12" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,913.70 65.00	58.16
10 71 13 13-0182	PR 10" Thru 12" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	2,010.47 65.00	60.09
10 71 13 13-0183	14" Through 16" Width (10 71 13 13-0152)		
10 71 13 13-0184	PR 14" Thru 16" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	990.75 65.00	36.83
10 71 13 13-0185	PR 14" Thru 16" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,117.61 65.00	37.87
10 71 13 13-0186	PR 14" Thru 16" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,244.42 65.00	38.77
10 71 13 13-0187	PR 14" Thru 16" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,372.55 65.00	40.71
10 71 13 13-0188	PR 14" Thru 16" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,500.69 65.00	42.65
10 71 13 13-0189	PR 14" Thru 16" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,628.84 65.00	44.58
10 71 13 13-0190	PR 14" Thru 16" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,756.96 65.00	46.52
10 71 13 13-0191	PR 14" Thru 16" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,885.11 65.00	48.46
10 71 13 13-0192	PR 14" Thru 16" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,887.69 65.00	50.40
10 71 13 13-0193	PR 14" Thru 16" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	2,141.38 65.00	52.34

10	10	Specialties
	10 70	Exterior Specialties
	10 71	Exterior Protection



MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
10 71 13 13-0194	PR	14" Thru 16" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter	.....	2,269.52	54.28
		For Arched Tops, Add	.....	65.00	
10 71 13 13-0195	PR	14" Thru 16" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter	.....	2,397.65	56.22
		For Arched Tops, Add	.....	65.00	
10 71 13 13-0196	PR	14" Thru 16" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter	.....	2,525.77	58.16
		For Arched Tops, Add	.....	65.00	
10 71 13 13-0197	PR	14" Thru 16" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter	.....	2,653.91	60.09
		For Arched Tops, Add	.....	65.00	
10 71 13 13-0198 18" Through 20" Width (10 71 13 13-0152)					
10 71 13 13-0199	PR	18" Thru 20" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter	.....	1,108.44	36.83
		For Arched Tops, Add	.....	65.00	
10 71 13 13-0200	PR	18" Thru 20" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter	.....	1,250.99	37.87
		For Arched Tops, Add	.....	65.00	
10 71 13 13-0201	PR	18" Thru 20" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter	.....	1,393.52	38.77
		For Arched Tops, Add	.....	65.00	
10 71 13 13-0202	PR	18" Thru 20" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter	.....	1,536.04	40.71
		For Arched Tops, Add	.....	65.00	
10 71 13 13-0203	PR	18" Thru 20" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter	.....	1,681.17	42.65
		For Arched Tops, Add	.....	65.00	
10 71 13 13-0204	PR	18" Thru 20" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter	.....	1,825.03	44.58
		For Arched Tops, Add	.....	65.00	
10 71 13 13-0205	PR	18" Thru 20" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter	.....	1,968.81	46.52
		For Arched Tops, Add	.....	65.00	
10 71 13 13-0206	PR	18" Thru 20" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter	.....	2,112.68	48.46
		For Arched Tops, Add	.....	65.00	
10 71 13 13-0207	PR	18" Thru 20" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter	.....	2,256.48	50.40
		For Arched Tops, Add	.....	65.00	
10 71 13 13-0208	PR	18" Thru 20" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter	.....	2,400.33	52.34
		For Arched Tops, Add	.....	65.00	
10 71 13 13-0209	PR	18" Thru 20" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter	.....	2,544.14	54.28
		For Arched Tops, Add	.....	65.00	
10 71 13 13-0210	PR	18" Thru 20" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter	.....	2,688.00	56.22
		For Arched Tops, Add	.....	65.00	
10 71 13 13-0211	PR	18" Thru 20" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter	.....	2,831.80	58.16
		For Arched Tops, Add	.....	65.00	
10 71 13 13-0212	PR	18" Thru 20" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter	.....	2,975.65	60.09
		For Arched Tops, Add	.....	65.00	
10 71 13 13-0213 22" Through 24" Width (10 71 13 13-0152)					
10 71 13 13-0214	PR	22" Thru 24" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter	.....	1,461.56	36.83
		For Arched Tops, Add	.....	65.00	
10 71 13 13-0215	PR	22" Thru 24" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter	.....	1,651.16	37.87
		For Arched Tops, Add	.....	65.00	
10 71 13 13-0216	PR	22" Thru 24" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter	.....	1,840.81	38.77
		For Arched Tops, Add	.....	65.00	
10 71 13 13-0217	PR	22" Thru 24" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter	.....	2,031.71	40.71
		For Arched Tops, Add	.....	65.00	
10 71 13 13-0218	PR	22" Thru 24" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter	.....	2,222.60	42.65
		For Arched Tops, Add	.....	65.00	
10 71 13 13-0219	PR	22" Thru 24" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter	.....	2,413.55	44.58
		For Arched Tops, Add	.....	65.00	
10 71 13 13-0220	PR	22" Thru 24" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter	.....	2,604.42	46.52
		For Arched Tops, Add	.....	65.00	
10 71 13 13-0221	PR	22" Thru 24" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter	.....	2,795.34	48.46
		For Arched Tops, Add	.....	65.00	
10 71 13 13-0222	PR	22" Thru 24" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter	.....	2,986.27	50.40
		For Arched Tops, Add	.....	65.00	
10 71 13 13-0223	PR	22" Thru 24" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter	.....	3,177.16	52.34
		For Arched Tops, Add	.....	65.00	
10 71 13 13-0224	PR	22" Thru 24" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter	.....	3,368.07	54.28
		For Arched Tops, Add	.....	65.00	
10 71 13 13-0225	PR	22" Thru 24" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter	.....	3,559.02	56.22
		For Arched Tops, Add	.....	65.00	
10 71 13 13-0226	PR	22" Thru 24" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter	.....	3,749.90	58.16
		For Arched Tops, Add	.....	65.00	
10 71 13 13-0227	PR	22" Thru 24" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter	.....	3,940.81	60.09
		For Arched Tops, Add	.....	65.00	
10 71 13 13-0228 26" Through 28" Width (10 71 13 13-0152)					
10 71 13 13-0229	PR	26" Thru 28" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter	.....	1,673.42	36.83
		For Arched Tops, Add	.....	65.00	
10 71 13 13-0230	PR	26" Thru 28" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter	.....	1,891.27	37.87
		For Arched Tops, Add	.....	65.00	
10 71 13 13-0231	PR	26" Thru 28" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter	.....	2,109.17	38.77
		For Arched Tops, Add	.....	65.00	
10 71 13 13-0232	PR	26" Thru 28" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter	.....	2,328.32	40.71
		For Arched Tops, Add	.....	65.00	
10 71 13 13-0233	PR	26" Thru 28" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter	.....	2,547.47	42.65
		For Arched Tops, Add	.....	65.00	
10 71 13 13-0234	PR	26" Thru 28" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter	.....	2,766.67	44.58
		For Arched Tops, Add	.....	65.00	
10 71 13 13-0235	PR	26" Thru 28" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter	.....	2,985.80	46.52
		For Arched Tops, Add	.....	65.00	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0236	PR	26" Thru 28" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter	3,204.96	48.46
		<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0237	PR	26" Thru 28" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter	3,424.14	50.40
		<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0238	PR	26" Thru 28" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter	3,643.26	52.34
		<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0239	PR	26" Thru 28" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter	3,862.42	54.28
		<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0240	PR	26" Thru 28" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter	4,081.62	56.22
		<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0241	PR	26" Thru 28" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter	4,300.75	58.16
		<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0242	PR	26" Thru 28" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter	4,519.88	60.09
		<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0243 Pine Louvered Shutters (10 71 13 13)				
10 71 13 13-0244 12" Width (10 71 13 13-0243)				
10 71 13 13-0245	PR	12" x 35" Pine Louvered Shutter	374.07	38.77
		<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0246	PR	12" x 39" Pine Louvered Shutter	390.30	40.71
		<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0247	PR	12" x 43" Pine Louvered Shutter	406.35	42.65
		<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0248	PR	12" x 47" Pine Louvered Shutter	422.49	44.58
		<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0249	PR	12" x 51" Pine Louvered Shutter	438.54	46.52
		<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0250	PR	12" x 55" Pine Louvered Shutter	454.68	48.46
		<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0251	PR	12" x 59" Pine Louvered Shutter	470.85	50.40
		<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0252	PR	12" x 63" Pine Louvered Shutter	487.08	52.34
		<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0253	PR	12" x 67" Pine Louvered Shutter	503.22	54.28
		<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0254	PR	12" x 71" Pine Louvered Shutter	519.40	56.22
		<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0255	PR	12" x 75" Pine Louvered Shutter	535.52	58.16
		<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0256 14" Width (10 71 13 13-0243)				
10 71 13 13-0257	PR	14" x 35" Pine Louvered Shutter	413.00	38.77
		<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0258	PR	14" x 39" Pine Louvered Shutter	431.01	40.71
		<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0259	PR	14" x 43" Pine Louvered Shutter	448.73	42.65
		<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0260	PR	14" x 47" Pine Louvered Shutter	466.65	44.58
		<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0261	PR	14" x 51" Pine Louvered Shutter	484.39	46.52
		<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0262	PR	14" x 55" Pine Louvered Shutter	502.13	48.46
		<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0263	PR	14" x 59" Pine Louvered Shutter	520.00	50.40
		<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0264	PR	14" x 63" Pine Louvered Shutter	537.86	52.34
		<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0265	PR	14" x 67" Pine Louvered Shutter	555.63	54.28
		<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0266	PR	14" x 71" Pine Louvered Shutter	573.48	56.22
		<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0267	PR	14" x 75" Pine Louvered Shutter	591.37	58.16
		<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0268 15" Width (10 71 13 13-0243)				
10 71 13 13-0269	PR	15" x 35" Pine Louvered Shutter	432.02	38.77
		<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0270	PR	15" x 39" Pine Louvered Shutter	450.68	40.71
		<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0271	PR	15" x 43" Pine Louvered Shutter	469.41	42.65
		<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0272	PR	15" x 47" Pine Louvered Shutter	488.02	44.58
		<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0273	PR	15" x 51" Pine Louvered Shutter	506.70	46.52
		<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0274	PR	15" x 55" Pine Louvered Shutter	525.38	48.46
		<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0275	PR	15" x 59" Pine Louvered Shutter	544.08	50.40
		<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0276	PR	15" x 63" Pine Louvered Shutter	562.71	52.34
		<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0277	PR	15" x 67" Pine Louvered Shutter	581.34	54.28
		<i>For Arched Tops, Add</i>	65.00	

10	10	Specialties
	10 70	Exterior Specialties
	10 71	Exterior Protection



MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
10 71 13 13-0278	PR	15" x 71" Pine Louvered Shutter	599.99	56.22	
		For Arched Tops, Add	65.00		
10 71 13 13-0279	PR	15" x 75" Pine Louvered Shutter	618.68	58.16	
		For Arched Tops, Add	65.00		
10 71 13 13-0280	PR	15" x 81" Pine Louvered Shutter	645.39	60.09	
		For Arched Tops, Add	65.00		
10 71 13 13-0281 16" Width (10 71 13 13-0243)					
10 71 13 13-0282	PR	16" x 35" Pine Louvered Shutter	450.13	38.77	
		For Arched Tops, Add	65.00		
10 71 13 13-0283	PR	16" x 39" Pine Louvered Shutter	470.35	40.71	
		For Arched Tops, Add	65.00		
10 71 13 13-0284	PR	16" x 43" Pine Louvered Shutter	490.75	42.65	
		For Arched Tops, Add	65.00		
10 71 13 13-0285	PR	16" x 47" Pine Louvered Shutter	511.10	44.58	
		For Arched Tops, Add	65.00		
10 71 13 13-0286	PR	16" x 51" Pine Louvered Shutter	531.44	46.52	
		For Arched Tops, Add	65.00		
10 71 13 13-0287	PR	16" x 55" Pine Louvered Shutter	551.79	48.46	
		For Arched Tops, Add	65.00		
10 71 13 13-0288	PR	16" x 59" Pine Louvered Shutter	572.01	50.40	
		For Arched Tops, Add	65.00		
10 71 13 13-0289	PR	16" x 63" Pine Louvered Shutter	592.41	52.34	
		For Arched Tops, Add	65.00		
10 71 13 13-0290	PR	16" x 67" Pine Louvered Shutter	612.75	54.28	
		For Arched Tops, Add	65.00		
10 71 13 13-0291	PR	16" x 71" Pine Louvered Shutter	633.13	56.22	
		For Arched Tops, Add	65.00		
10 71 13 13-0292	PR	16" x 75" Pine Louvered Shutter	653.45	58.16	
		For Arched Tops, Add	65.00		
10 71 13 13-0293	PR	16" x 81" Pine Louvered Shutter	673.68	60.09	
		For Arched Tops, Add	65.00		
10 71 13 13-0294 18" Width (10 71 13 13-0243)					
10 71 13 13-0295	PR	18" x 35" Pine Louvered Shutter	489.97	38.77	
		For Arched Tops, Add	65.00		
10 71 13 13-0296	PR	18" x 39" Pine Louvered Shutter	516.17	40.71	
		For Arched Tops, Add	65.00		
10 71 13 13-0297	PR	18" x 47" Pine Louvered Shutter	561.23	44.58	
		For Arched Tops, Add	65.00		
10 71 13 13-0298	PR	18" x 55" Pine Louvered Shutter	606.37	48.46	
		For Arched Tops, Add	65.00		
10 71 13 13-0299	PR	18" x 63" Pine Louvered Shutter	651.49	52.34	
		For Arched Tops, Add	65.00		
10 71 13 13-0300	PR	18" x 75" Pine Louvered Shutter	749.15	58.16	
		For Arched Tops, Add	65.00		
10 71 13 13-0301	PR	18" x 81" Pine Louvered Shutter	776.73	60.09	
		For Arched Tops, Add	65.00		
10 71 13 13-0302 Exterior Cedar Board N' Batten Wood Shutters (10 71 13 13)					
10 71 13 13-0303 8" Through 14" Width (10 71 13 13-0302)					
10 71 13 13-0304	PR	8" Thru 14" Width x Thru 30" Height Cedar Board N' Batten Wood Shutter	740.60	36.83	
		For Arched Tops, Add	65.00		
10 71 13 13-0305	PR	8" Thru 14" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter	972.38	37.87	
		For Arched Tops, Add	65.00		
10 71 13 13-0306	PR	8" Thru 14" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter	973.68	38.77	
		For Arched Tops, Add	65.00		
10 71 13 13-0307	PR	8" Thru 14" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter	1,206.76	40.71	
		For Arched Tops, Add	65.00		
10 71 13 13-0308	PR	8" Thru 14" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter	1,209.34	42.65	
		For Arched Tops, Add	65.00		
10 71 13 13-0309	PR	8" Thru 14" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter	1,211.93	44.58	
		For Arched Tops, Add	65.00		
10 71 13 13-0310	PR	8" Thru 14" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter	1,445.01	46.52	
		For Arched Tops, Add	65.00		
10 71 13 13-0311	PR	8" Thru 14" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter	1,447.60	48.46	
		For Arched Tops, Add	65.00		
10 71 13 13-0312	PR	8" Thru 14" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter	1,450.19	50.40	
		For Arched Tops, Add	65.00		
10 71 13 13-0313	PR	8" Thru 14" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter	1,683.25	52.34	
		For Arched Tops, Add	65.00		
10 71 13 13-0314	PR	8" Thru 14" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter	1,685.84	54.28	
		For Arched Tops, Add	65.00		
10 71 13 13-0315	PR	8" Thru 14" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter	1,918.93	56.22	
		For Arched Tops, Add	65.00		
10 71 13 13-0316	PR	8" Thru 14" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter	1,921.51	58.16	
		For Arched Tops, Add	65.00		
10 71 13 13-0317	PR	8" Thru 14" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter	1,924.10	60.09	
		For Arched Tops, Add	65.00		
10 71 13 13-0318	PR	8" Thru 14" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter	1,926.68	62.03	
		For Arched Tops, Add	65.00		
10 71 13 13-0319 15" Through 16" Width (10 71 13 13-0302)					

		Specialties	10
		Exterior Specialties	10 70
		Exterior Protection	10 71

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0320	PR	15" Thru 16" Width x Through 30" Height Cedar Board N' Batten Wood Shutter	.....	971.09	36.83
		<i>For Arched Tops, Add</i>	.....	65.00	
10 71 13 13-0321	PR	15" Thru 16" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter	.....	972.38	37.87
		<i>For Arched Tops, Add</i>	.....	65.00	
10 71 13 13-0322	PR	15" Thru 16" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter	.....	1,204.18	38.77
		<i>For Arched Tops, Add</i>	.....	65.00	
10 71 13 13-0323	PR	15" Thru 16" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter	.....	1,206.76	40.71
		<i>For Arched Tops, Add</i>	.....	65.00	
10 71 13 13-0324	PR	15" Thru 16" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter	.....	1,439.84	42.65
		<i>For Arched Tops, Add</i>	.....	65.00	
10 71 13 13-0325	PR	15" Thru 16" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter	.....	1,442.44	44.58
		<i>For Arched Tops, Add</i>	.....	65.00	
10 71 13 13-0326	PR	15" Thru 16" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter	.....	1,445.00	46.52
		<i>For Arched Tops, Add</i>	.....	65.00	
10 71 13 13-0327	PR	15" Thru 16" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter	.....	1,678.09	48.46
		<i>For Arched Tops, Add</i>	.....	65.00	
10 71 13 13-0328	PR	15" Thru 16" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter	.....	1,680.67	50.40
		<i>For Arched Tops, Add</i>	.....	65.00	
10 71 13 13-0329	PR	15" Thru 16" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter	.....	1,913.75	52.34
		<i>For Arched Tops, Add</i>	.....	65.00	
10 71 13 13-0330	PR	15" Thru 16" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter	.....	1,916.34	54.28
		<i>For Arched Tops, Add</i>	.....	65.00	
10 71 13 13-0331	PR	15" Thru 16" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter	.....	2,149.43	56.22
		<i>For Arched Tops, Add</i>	.....	65.00	
10 71 13 13-0332	PR	15" Thru 16" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter	.....	2,152.00	58.16
		<i>For Arched Tops, Add</i>	.....	65.00	
10 71 13 13-0333	PR	15" Thru 16" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter	.....	2,385.09	60.09
		<i>For Arched Tops, Add</i>	.....	65.00	
10 71 13 13-0334	PR	15" Thru 16" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter	.....	2,387.66	62.03
		<i>For Arched Tops, Add</i>	.....	65.00	
10 71 13 13-0335 17" Through 18" Width (10 71 13 13-0302)					
10 71 13 13-0336	PR	17" Thru 18" Width x Thru 30" Height Cedar Board N' Batten Wood Shutter	.....	971.09	36.83
		<i>For Arched Tops, Add</i>	.....	65.00	
10 71 13 13-0337	PR	17" Thru 18" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter	.....	1,202.89	37.87
		<i>For Arched Tops, Add</i>	.....	65.00	
10 71 13 13-0338	PR	17" Thru 18" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter	.....	1,204.18	38.77
		<i>For Arched Tops, Add</i>	.....	65.00	
10 71 13 13-0339	PR	17" Thru 18" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter	.....	1,437.26	40.71
		<i>For Arched Tops, Add</i>	.....	65.00	
10 71 13 13-0340	PR	17" Thru 18" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter	.....	1,439.84	42.65
		<i>For Arched Tops, Add</i>	.....	65.00	
10 71 13 13-0341	PR	17" Thru 18" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter	.....	1,672.93	44.58
		<i>For Arched Tops, Add</i>	.....	65.00	
10 71 13 13-0342	PR	17" Thru 18" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter	.....	1,675.49	46.52
		<i>For Arched Tops, Add</i>	.....	65.00	
10 71 13 13-0343	PR	17" Thru 18" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter	.....	1,908.59	48.46
		<i>For Arched Tops, Add</i>	.....	65.00	
10 71 13 13-0344	PR	17" Thru 18" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter	.....	1,911.17	50.40
		<i>For Arched Tops, Add</i>	.....	65.00	
10 71 13 13-0345	PR	17" Thru 18" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter	.....	2,144.24	52.34
		<i>For Arched Tops, Add</i>	.....	65.00	
10 71 13 13-0346	PR	17" Thru 18" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter	.....	2,146.83	54.28
		<i>For Arched Tops, Add</i>	.....	65.00	
10 71 13 13-0347	PR	17" Thru 18" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter	.....	2,379.93	56.22
		<i>For Arched Tops, Add</i>	.....	65.00	
10 71 13 13-0348	PR	17" Thru 18" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter	.....	2,382.50	58.16
		<i>For Arched Tops, Add</i>	.....	65.00	
10 71 13 13-0349	PR	17" Thru 18" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter	.....	2,615.59	60.09
		<i>For Arched Tops, Add</i>	.....	65.00	
10 71 13 13-0350	PR	17" Thru 18" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter	.....	2,618.16	62.03
		<i>For Arched Tops, Add</i>	.....	65.00	
10 71 13 13-0351 19" Through 20" Width (10 71 13 13-0302)					
10 71 13 13-0352	PR	19" Thru 20" Width x Thru 30" Height Cedar Board N' Batten Wood Shutter	.....	1,201.59	36.83
		<i>For Arched Tops, Add</i>	.....	65.00	
10 71 13 13-0353	PR	19" Thru 20" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter	.....	1,202.88	37.87
		<i>For Arched Tops, Add</i>	.....	65.00	
10 71 13 13-0354	PR	19" Thru 20" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter	.....	1,434.68	38.77
		<i>For Arched Tops, Add</i>	.....	65.00	
10 71 13 13-0355	PR	19" Thru 20" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter	.....	1,437.26	40.71
		<i>For Arched Tops, Add</i>	.....	65.00	
10 71 13 13-0356	PR	19" Thru 20" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter	.....	1,670.33	42.65
		<i>For Arched Tops, Add</i>	.....	65.00	
10 71 13 13-0357	PR	19" Thru 20" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter	.....	1,672.93	44.58
		<i>For Arched Tops, Add</i>	.....	65.00	
10 71 13 13-0358	PR	19" Thru 20" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter	.....	1,905.99	46.52
		<i>For Arched Tops, Add</i>	.....	65.00	
10 71 13 13-0359	PR	19" Thru 20" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter	.....	2,139.08	48.46
		<i>For Arched Tops, Add</i>	.....	65.00	
10 71 13 13-0360	PR	19" Thru 20" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter	.....	2,141.66	50.40
		<i>For Arched Tops, Add</i>	.....	65.00	
10 71 13 13-0361	PR	19" Thru 20" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter	.....	2,374.74	52.34
		<i>For Arched Tops, Add</i>	.....	65.00	
10 71 13 13-0362	PR	19" Thru 20" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter	.....	2,377.33	54.28
		<i>For Arched Tops, Add</i>	.....	65.00	

10	10	Specialties
	10 70	Exterior Specialties
	10 71	Exterior Protection



		MINOR			TOTAL DIRECT	DEMOLITION
		CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
	10 71 13 13-0363	PR	19"	Thru 20" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter.....	2,610.43	56.22
				<i>For Arched Tops, Add</i>	65.00	
	10 71 13 13-0364	PR	19"	Thru 20" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter.....	2,613.00	58.16
				<i>For Arched Tops, Add</i>	65.00	
	10 71 13 13-0365	PR	19"	Thru 20" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter.....	2,846.08	60.09
				<i>For Arched Tops, Add</i>	65.00	
	10 71 13 13-0366	PR	19"	Thru 20" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter.....	2,848.65	62.03
				<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0367	21" Through 22" Width (10 71 13 13-0302)					
	10 71 13 13-0368	PR	21"	Thru 22" Width x Thru 30" Height Cedar Board N' Batten Wood Shutter.....	1,201.59	36.83
				<i>For Arched Tops, Add</i>	65.00	
	10 71 13 13-0369	PR	21"	Thru 22" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter.....	1,202.88	37.87
				<i>For Arched Tops, Add</i>	65.00	
	10 71 13 13-0370	PR	21"	Thru 22" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter.....	1,434.68	38.77
				<i>For Arched Tops, Add</i>	65.00	
	10 71 13 13-0371	PR	21"	Thru 22" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter.....	1,667.75	40.71
				<i>For Arched Tops, Add</i>	65.00	
	10 71 13 13-0372	PR	21"	Thru 22" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter.....	1,670.33	42.65
				<i>For Arched Tops, Add</i>	65.00	
	10 71 13 13-0373	PR	21"	Thru 22" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter.....	1,903.43	44.58
				<i>For Arched Tops, Add</i>	65.00	
	10 71 13 13-0374	PR	21"	Thru 22" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter.....	1,905.99	46.52
				<i>For Arched Tops, Add</i>	65.00	
	10 71 13 13-0375	PR	21"	Thru 22" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter.....	2,139.08	48.46
				<i>For Arched Tops, Add</i>	65.00	
	10 71 13 13-0376	PR	21"	Thru 22" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter.....	2,372.16	50.40
				<i>For Arched Tops, Add</i>	65.00	
	10 71 13 13-0377	PR	21"	Thru 22" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter.....	2,374.74	52.34
				<i>For Arched Tops, Add</i>	65.00	
	10 71 13 13-0378	PR	21"	Thru 22" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter.....	2,607.83	54.28
				<i>For Arched Tops, Add</i>	65.00	
	10 71 13 13-0379	PR	21"	Thru 22" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter.....	2,610.43	56.22
				<i>For Arched Tops, Add</i>	65.00	
	10 71 13 13-0380	PR	21"	Thru 22" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter.....	2,843.49	58.16
				<i>For Arched Tops, Add</i>	65.00	
	10 71 13 13-0381	PR	21"	Thru 22" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter.....	2,846.08	60.09
				<i>For Arched Tops, Add</i>	65.00	
	10 71 13 13-0382	PR	21"	Thru 22" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter.....	2,848.65	62.03
				<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0383	22" Through 24" Width (10 71 13 13-0302)					
	10 71 13 13-0384	PR	22"	Thru 24" Width x Thru 30" Height Cedar Board N' Batten Wood Shutter.....	1,201.59	36.83
				<i>For Arched Tops, Add</i>	65.00	
	10 71 13 13-0385	PR	22"	Thru 24" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter.....	1,433.38	37.87
				<i>For Arched Tops, Add</i>	65.00	
	10 71 13 13-0386	PR	22"	Thru 24" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter.....	1,434.68	38.77
				<i>For Arched Tops, Add</i>	65.00	
	10 71 13 13-0387	PR	22"	Thru 24" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter.....	1,667.75	40.71
				<i>For Arched Tops, Add</i>	65.00	
	10 71 13 13-0388	PR	22"	Thru 24" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter.....	1,900.83	42.65
				<i>For Arched Tops, Add</i>	65.00	
	10 71 13 13-0389	PR	22"	Thru 24" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter.....	1,903.43	44.58
				<i>For Arched Tops, Add</i>	65.00	
	10 71 13 13-0390	PR	22"	Thru 24" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter.....	2,136.48	46.52
				<i>For Arched Tops, Add</i>	65.00	
	10 71 13 13-0391	PR	22"	Thru 24" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter.....	2,139.08	48.46
				<i>For Arched Tops, Add</i>	65.00	
	10 71 13 13-0392	PR	22"	Thru 24" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter.....	2,372.16	50.40
				<i>For Arched Tops, Add</i>	65.00	
	10 71 13 13-0393	PR	22"	Thru 24" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter.....	2,605.24	52.34
				<i>For Arched Tops, Add</i>	65.00	
	10 71 13 13-0394	PR	22"	Thru 24" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter.....	2,607.83	54.28
				<i>For Arched Tops, Add</i>	65.00	
	10 71 13 13-0395	PR	22"	Thru 24" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter.....	2,840.92	56.22
				<i>For Arched Tops, Add</i>	65.00	
	10 71 13 13-0396	PR	22"	Thru 24" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter.....	2,843.49	58.16
				<i>For Arched Tops, Add</i>	65.00	
	10 71 13 13-0397	PR	22"	Thru 24" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter.....	3,076.58	60.09
				<i>For Arched Tops, Add</i>	65.00	
	10 71 13 13-0398	PR	22"	Thru 24" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter.....	3,079.15	62.03
				<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0399	Accessories (10 71 13 13)					
	10 71 13 13-0400	PR		Surface Mounted Pintel, Stainless Steel.....	66.06	
	10 71 13 13-0401	PR		Lag Pintel, Stainless Steel.....	66.06	
	10 71 13 13-0402	PR		10" Strap Hinge, Stainless Steel.....	97.60	
	10 71 13 13-0403	PR		6" L-Hinge, Stainless Steel.....	90.73	
	10 71 13 13-0404	PR		Hinge Set, Galvanized And Painted.....	82.85	
	10 71 13 13-0405	PR		Acorn Holdback.....	74.37	
	10 71 13 13-0406	PR		'S' Holdback, Stainless Steel.....	63.26	
	10 71 13 13-0407	PR		'S' Holdback, Galvanized And Painted.....	59.82	

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

10 73 Protective Covers (10 70)

10 73 13 Awnings (10 73)

10 73 13 13 Metal Awnings (10 73 13)

10 73 13 13-0001	Metal Awnings (10 73 13 13)		
	Note: Includes metal cover, frame supports and anchoring.		
10 73 13 13-0002	SF Clear Weather Resistant Finish, Ribbed Aluminum Window Awnings.....	79.72	8.98
10 73 13 13-0003	SF Baked Enamel Finish, Ribbed Aluminum Window Awning	70.49	8.05
10 73 13 13-0004	SF Flat Roofed Steel Awning	223.52	9.34
	Note: Per SF of covered area		
10 73 13 13-0005	SF Arched Roofed Steel Awning (Per SF Of Covered Area).....	230.68	10.50

10 73 13 23 Fabric Awnings (10 73 13)

10 73 13 23-0001	Canvas Awnings (10 73 13 23)		
	Note: Includes minimum 12 oz. canvas, frame supports and anchoring.		
10 73 13 23-0002	SF Canvas Awning, Waterproof Fabric Tubular Metal Framing	79.36	8.53
10 73 13 23-0003	SF Side Protection Canvas For Walkways (Per SF Of Wall Area)	45.34	2.75
10 73 13 23-0004	SF Removal And Replacement Of Canvas For Awnings	29.86	
	Note: Includes removal of existing canvas cover.		
	For 18 Oz. Vinyl Laminated Polyester Cover, Add	0.98	

10 73 16 Canopies (10 73)

10 73 16 13 Metal Canopies (10 73 16)

10 73 16 13-0001	Canopies, Wall Hung, Aluminum Framed And Covered, Prefinished (10 73 16 13)		
	Note: Includes cover, frame supports and anchoring.		
10 73 16 13-0002	EA 8' x 10' Canopy, Aluminum, Wall Hung.....	7,892.28	683.63
10 73 16 13-0003	EA 8' x 20' Canopy, Aluminum, Wall Hung.....	14,529.20	1,094.06
10 73 16 13-0004	EA 10' x 10' Canopy, Aluminum, Wall Hung.....	9,724.23	855.36
10 73 16 13-0005	EA 10' x 20' Canopy, Aluminum, Wall Hung.....	17,558.73	1,143.80

10 73 26 Walkway Coverings (10 73)

Note: Pre-engineered includes all framing and steel supports, integral gutter system. Excludes foundations.

10 73 26 13 Metal Walkway Coverings (10 73 26)

10 73 26 13-0001	Steel Walkway/Parking Covers (10 73 26 13)		
	Note: Factory applied polyester finish.		
10 73 26 13-0002	SF Flat Roofed Steel Walkway/Parking Cover	114.93	9.54
	Note: Includes factory applied polyester finish.		
	For Snow Load (30 PSF), Add	38.34	
	For Wind Load (140 MPH), Add	47.93	
10 73 26 13-0003	SF Arch Roofed Steel Walkway/Parking Cover.....	122.40	10.28
	Note: Includes factory applied polyester finish.		
	For Snow Load (30 PSF), Add	40.74	
	For Wind Load (140 MPH), Add	50.93	

10 73 26 13-0004 Aluminum Walkway/Parking Covers (10 73 26 13)

10 73 26 13-0005	SF Flat Roofed Aluminum Walkway/Parking Cover	75.02	9.54
	Note: Includes factory applied polyester finish.		
	For Snow Load (30 PSF), Add	22.38	
	For Wind Load (140 MPH), Add	27.97	
10 73 26 13-0006	SF Arch Roofed Aluminum Walkway/Parking Cover	81.58	10.28
	Note: Includes factory applied polyester finish.		
	For Snow Load (30 PSF), Add	24.41	
	For Wind Load (140 MPH), Add	30.52	

10 75 Flagpoles (10 70)

Note: Metal bases are installed in a concrete base and fully rigged. Heights indicated are from ground to top of installed flag pole. Uninstalled lengths are longer. Includes top ball (color and material similar to pole), cleats and cleat cover, all caulking and sealants, and hoisting into place. Excludes excavation and concrete. See CSI section 10 75 16 00-0021 for bases.

10 75 16 Ground-Set Flagpoles (10 75)

10 75 16 00-0001	Free Standing Tapered Fiberglass Flagpoles (10 75 16)		
	Note: Excludes base or foundation See CSI section 10 75 16 00-0021 for concrete base.		
10 75 16 00-0002	EA 25' Exposed Height, Tapered White Fiberglass Flagpole	3,877.22	947.03
	Note: 6" butt diameter, 3" top diameter and 0.180" wall.		
	For Internal Halyard, Cam System, Add	300.00	
	For Bronze Finish, Add	20.00	
	For Rope Lock Box, Add	96.00	
10 75 16 00-0003	EA 30' Exposed Height, Tapered White Fiberglass Flagpole	4,147.16	1,033.13
	Note: 6-1/2" butt diameter, 3" top diameter and 0.180" wall.		
	For Internal Halyard, Cam System, Add	300.00	
	For Bronze Finish, Add	50.00	
	For Rope Lock Box, Add	96.00	
10 75 16 00-0004	EA 35' Exposed Height, Tapered White Fiberglass Flagpole	5,205.84	1,205.31
	Note: 7" butt diameter, 3" top diameter and 0.200" wall.		
	For Internal Halyard, Cam System, Add	300.00	
	For Rope Lock Box, Add	96.00	

10 Specialties**10 70 Exterior Specialties****10 75 Flagpoles**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

10 75 16 00-0005	EA	40' Exposed Height, Tapered White Fiberglass Flagpole Note: 7" butt diameter, 3" top diameter and 0.200" wall.	6,037.55	1,377.50
		<i>For Internal Halyard, Cam System, Add</i>	300.00	
		<i>For Rope Lock Box, Add</i>	96.00	
10 75 16 00-0006	EA	50' Exposed Height, Tapered White Fiberglass Flagpole Note: 10" butt diameter, 4-1/2" top diameter and 0.275" wall.	11,052.18	1,549.69
		<i>For Internal Halyard, Winch System, Add</i>	1,700.00	
		<i>For Bronze Finish, Add</i>	200.00	
		<i>For Rope Lock Box, Add</i>	96.00	
10 75 16 00-0007	EA	60' Exposed Height, Tapered White Fiberglass Flagpole Note: 10-1/2" butt diameter, 4-1/2" top diameter and 0.300" wall.	13,137.68	1,721.88
		<i>For Internal Halyard, Winch System, Add</i>	1,900.00	
		<i>For Bronze Finish, Add</i>	160.00	
		<i>For Rope Lock Box, Add</i>	96.00	
10 75 16 00-0008	EA	70' Exposed Height, Tapered White Fiberglass Flagpole Note: 16" butt diameter, 7" top diameter and 0.325" wall.	22,464.95	1,894.06
		<i>For Internal Halyard, Winch System, Add</i>	2,860.00	
		<i>For Bronze Finish, Add</i>	700.00	
		<i>For Rope Lock Box, Add</i>	96.00	
10 75 16 00-0009	EA	78' Exposed Height, Tapered White Fiberglass Flagpole Note: 10-3/4" butt diameter, 7" top diameter and 0.350" wall.	29,046.83	2,066.25
		<i>For Internal Halyard, Winch System, Add</i>	2,900.00	
		<i>For Bronze Finish, Add</i>	900.00	
		<i>For Rope Lock Box, Add</i>	96.00	

10 75 16 00-0010 Free Standing Tapered Aluminum Flagpoles (10 75 16)

Note: Heavy-duty. Excludes base or foundation See CSI section 10 75 16 00-0021 for concrete base.

10 75 16 00-0011	EA	20' Exposed Height, Tapered Satin Aluminum Flagpole Note: 5" butt diameter, 3" top diameter and 0.188" wall.	3,165.05	860.94
		<i>For Internal Halyard, Winch System, Add</i>	570.00	
		<i>For Clear Anodized Finish, Add</i>	150.00	
		<i>For Bronze Anodized Finish, Add</i>	180.00	
		<i>For Black Anodized Finish, Add</i>	230.00	
		<i>For Rope Lock Box, Add</i>	96.00	
10 75 16 00-0012	EA	25' Exposed Height, Tapered Satin Aluminum Flagpole Note: 5-1/2" butt diameter, 3-1/2" top diameter and 0.188" wall.	3,747.22	947.03
		<i>For Internal Halyard, Winch System, Add</i>	1,100.00	
		<i>For Clear Anodized Finish, Add</i>	200.00	
		<i>For Bronze Anodized Finish, Add</i>	230.00	
		<i>For Black Anodized Finish, Add</i>	320.00	
		<i>For Rope Lock Box, Add</i>	96.00	
10 75 16 00-0013	EA	30' Exposed Height, Tapered Satin Aluminum Flagpole Note: 6" butt diameter, 3-1/2" top diameter and 0.188" wall.	4,154.61	1,033.13
		<i>For Internal Halyard, Winch System, Add</i>	1,390.00	
		<i>For Clear Anodized Finish, Add</i>	240.00	
		<i>For Bronze Anodized Finish, Add</i>	290.00	
		<i>For Black Anodized Finish, Add</i>	400.00	
		<i>For Rope Lock Box, Add</i>	96.00	
10 75 16 00-0014	EA	35' Exposed Height, Tapered Satin Aluminum Flagpole Note: 7" butt diameter, 3-1/2" top diameter and 0.188" wall.	5,249.05	1,205.31
		<i>For Internal Halyard, Winch System, Add</i>	1,340.00	
		<i>For Clear Anodized Finish, Add</i>	290.00	
		<i>For Bronze Anodized Finish, Add</i>	360.00	
		<i>For Black Anodized Finish, Add</i>	480.00	
		<i>For Rope Lock Box, Add</i>	96.00	
10 75 16 00-0015	EA	40' Exposed Height, Tapered Satin Aluminum Flagpole Note: 8" butt diameter, 3-1/2" top diameter and 0.188" wall.	6,460.02	1,377.50
		<i>For Internal Halyard, Winch System, Add</i>	1,490.00	
		<i>For Clear Anodized Finish, Add</i>	390.00	
		<i>For Bronze Anodized Finish, Add</i>	480.00	
		<i>For Black Anodized Finish, Add</i>	660.00	
		<i>For Rope Lock Box, Add</i>	96.00	
10 75 16 00-0016	EA	45' Exposed Height, Tapered Satin Aluminum Flagpole Note: 8" butt diameter, 3-1/2" top diameter and 0.188" wall.	7,135.41	1,463.60
		<i>For Internal Halyard, Winch System, Add</i>	1,340.00	
		<i>For Clear Anodized Finish, Add</i>	400.00	
		<i>For Bronze Anodized Finish, Add</i>	500.00	
		<i>For Black Anodized Finish, Add</i>	700.00	
		<i>For Rope Lock Box, Add</i>	96.00	
10 75 16 00-0017	EA	50' Exposed Height, Tapered Satin Aluminum Flagpole Note: 10" butt diameter, 4" top diameter and 0.188" wall.	8,894.47	1,549.69
		<i>For Internal Halyard, Winch System, Add</i>	1,380.00	
		<i>For Clear Anodized Finish, Add</i>	700.00	
		<i>For Bronze Anodized Finish, Add</i>	860.00	
		<i>For Black Anodized Finish, Add</i>	1,130.00	
		<i>For Rope Lock Box, Add</i>	96.00	
10 75 16 00-0018	EA	60' Exposed Height, Tapered Satin Aluminum Flagpole Note: 12" butt diameter, 4" top diameter and 0.250" wall.	15,011.05	1,721.88
		<i>For Internal Halyard, Winch System, Add</i>	1,800.00	
		<i>For Clear Anodized Finish, Add</i>	620.00	
		<i>For Bronze Anodized Finish, Add</i>	820.00	
		<i>For Black Anodized Finish, Add</i>	1,160.00	
		<i>For Rope Lock Box, Add</i>	96.00	
10 75 16 00-0019	EA	70' Exposed Height, Tapered Satin Aluminum Flagpole Note: 12" butt diameter, 4" top diameter and 0.250" wall.	16,431.76	1,894.06
		<i>For Internal Halyard, Winch System, Add</i>	1,720.00	
		<i>For Clear Anodized Finish, Add</i>	710.00	
		<i>For Bronze Anodized Finish, Add</i>	950.00	
		<i>For Black Anodized Finish, Add</i>	1,360.00	
		<i>For Rope Lock Box, Add</i>	96.00	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 75 16 00-0020	EA	80' Exposed Height, Tapered Satin Aluminum Flagpole..... Note: 12" butt diameter, 4" top diameter and 0.375" wall. For Internal Halyard, Winch System, Add For Clear Anodized Finish, Add For Bronze Anodized Finish, Add For Black Anodized Finish, Add For Rope Lock Box, Add	20,474.23 2,600.00 1,100.00 1,380.00 1,840.00 96.00	2,066.25
10 75 16 00-0021		Flagpole Bases (10 75 16)		
10 75 16 00-0022		Flagpole Concrete Base (10 75 16 00-0021) Note: Includes excavation, forms where necessary, steel casing and reinforcing, metal collar installation, base plate, sand fill, ground spike, concrete and finishing of concrete.		
10 75 16 00-0023	EA	30' Or Less Flagpole, Poured Concrete Foundation	1,788.69	
10 75 16 00-0024	EA	35' Flagpole, Poured Concrete Foundation	1,848.63	
10 75 16 00-0025	EA	40' Flagpole, Poured Concrete Foundation	2,123.97	
10 75 16 00-0026	EA	45' Flagpole, Poured Concrete Foundation	2,247.05	
10 75 16 00-0027	EA	50' Flagpole, Poured Concrete Foundation	2,696.48	
10 75 16 00-0028	EA	60' Flagpole, Poured Concrete Foundation	3,267.86	
10 75 16 00-0029	EA	70' Flagpole, Poured Concrete Foundation	3,864.65	
10 75 16 00-0030	EA	80' Flagpole, Poured Concrete Foundation	4,490.45	
10 75 16 00-0031	EA	90' To 100' Flagpole, Poured Concrete Foundation.....	5,231.24	
10 75 16 00-0032		Direct Embedded Flagpole Base (10 75 16 00-0021) Note: Augured in place, no concrete required.		
10 75 16 00-0033	EA	20' To 25' Flagpole, Direct Embedded Pole Base.....	761.79	
10 75 16 00-0034	EA	30' To 40' Flagpole, Direct Embedded Pole Base.....	1,092.85	
10 75 16 00-0035	EA	45' To 55' Flagpole, Direct Embedded Pole Base.....	1,221.40	
10 75 16 00-0036	EA	60' To 70' Flagpole, Direct Embedded Pole Base.....	1,373.49	
10 75 16 00-0037		Flagpole Accessories (10 75 16)		
10 75 16 00-0038		Flagpole Tops (10 75 16 00-0037) Note: To be used on renovation of existing flagpole. Do not use in conjunction with installation of new flagpoles.		
10 75 16 00-0039	EA	4" Gold Anodized Aluminum Ball For Top Of Flagpole	141.75	54.57
10 75 16 00-0040	EA	5" Gold Anodized Aluminum Ball For Top Of Flagpole	154.00	57.78
10 75 16 00-0041	EA	6" Gold Anodized Aluminum Ball For Top Of Flagpole	170.91	60.99
10 75 16 00-0042	EA	8" Gold Anodized Aluminum Ball For Top Of Flagpole	216.95	64.19
10 75 16 00-0043	EA	10" Gold Anodized Aluminum Ball For Top Of Flagpole	279.30	67.40
10 75 16 00-0044	EA	12" Gold Anodized Aluminum Ball For Top Of Flagpole	310.19	70.61
10 75 16 00-0045	EA	11-1/4" Aluminum Flying Eagle Mounted On A Spindle For Flagpole Top, Gold Finish	285.72	70.61
10 75 16 00-0046	EA	15" Aluminum Flying Eagle Mounted On A Spindle For Flagpole Top, Gold Finish.....	331.77	80.24
10 75 16 00-0047	EA	7" Bronze Eagle Mounted On Spindle Rod.....	161.67	70.61
10 75 16 00-0048		Flagpole Accessories (10 75 16 00-0037) Note: To be used on renovation of existing flagpole. Do not use in conjunction with installation of new flagpoles.		
10 75 16 00-0049	LF	5/16" Diameter, Nylon Halyard (Rope) With Wire Center For Flagpoles.....	1.46	0.10
10 75 16 00-0050	LF	5/16" Diameter, Solid Braided Multifilament Polypropylene Halyard (Rope) For Flagpoles.....	0.73	0.10
10 75 16 00-0051	LF	5/16" Diameter, Nylon Halyard (Rope) For Flagpoles.....	0.56	0.10
10 75 16 00-0052	LF	3/8" Diameter, Nylon Halyard (Rope) With Wire Center For Flagpoles.....	1.95	0.10
10 75 16 00-0053	EA	Refinish Existing Flagpole Ball.....	446.35	160.42
10 75 16 00-0054	EA	Locking Aluminum Cleat Box For Flagpoles	337.07	96.25
10 75 16 00-0055	EA	Aluminum Cleat For Flagpoles.....	27.63	6.42
10 75 16 00-0056	LF	1/8" Diameter, 7x7 Galvanized Wire Rope For Flagpoles.....	0.81	0.11
10 75 23		Wall-Mounted Flagpoles (10 75)		
10 75 23 00-0001		Vertical, Wall/Roof Mounted Tapered Aluminum Flagpoles (10 75 23) Note: Includes aluminum brackets, 3" butt diameter and 0.125" wall.		
10 75 23 00-0002	EA	14' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole	2,174.60	755.21
		For Rope Lock Box, Add	96.00	
10 75 23 00-0003	EA	17' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole	2,360.60	830.73
		For Rope Lock Box, Add	96.00	
10 75 23 00-0004	EA	20' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole	2,558.25	906.25
		For Rope Lock Box, Add	96.00	
10 75 23 00-0005	EA	25' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole	2,965.20	1,057.29
		For Rope Lock Box, Add	96.00	
10 75 23 00-0006		Outrigger, Wall Mounted Tapered Aluminum Flagpoles (10 75 23) Note: Includes aluminum base, 3-1/2" butt diameter and 0.125" wall.		
10 75 23 00-0007	EA	10', Wall Mounted, Aluminum Outrigger Flagpole With Bracket	2,804.27	679.69
		For Rope Lock Box, Add	96.00	
10 75 23 00-0008	EA	15', Wall Mounted, Aluminum Outrigger Flagpole With Bracket	3,025.22	755.21
		For Rope Lock Box, Add	96.00	
10 75 23 00-0009	EA	20', Wall Mounted, Aluminum Outrigger Flagpole With Bracket	3,373.91	906.25
		For Rope Lock Box, Add	96.00	
10 80		Other Specialties (10)		
10 81		Pest Control Devices (10 80)		

10	10	Specialties
	10 80	Other Specialties
	10 81	Pest Control Devices



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 81 13 Bird Control Devices (10 81)

10 81 13 00-0001			Stainless Steel Spiked Bird Barrier (10 81 13) Note: Stainless steel spikes with flexible polycarbonate base.		
10 81 13 00-0002	LF		2-1/2" To 3" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System	10.91	1.03
10 81 13 00-0003	LF		4-1/2" To 5" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System	13.18	1.03
10 81 13 00-0004	LF		8" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System	19.45	1.03
10 81 13 00-0005			Polycarbonate Spiked Bird Barrier (10 81 13) Note: Polycarbonate spikes and base.		
10 81 13 00-0006	LF		3" Wide Polycarbonate Spikes And Base Bird Deterrent System	10.07	1.03
10 81 13 00-0007	LF		5" Wide Polycarbonate Spikes And Base Bird Deterrent System	12.21	1.03
10 81 13 00-0008	LF		8" Wide Polycarbonate Spikes And Base Bird Deterrent System	14.56	1.03
10 81 13 00-0009			Spiked Gutter Or Girder Bird Barrier (10 81 13) Note: Stainless steel spikes with flexible polycarbonate base mounted to gutter or girder. Includes aluminum clamps.		
10 81 13 00-0010	LF		Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System For Gutter Or Girder Application	11.61	1.03
10 81 13 00-0011			Coil Bird Barrier (10 81 13) Note: Stainless steel coil.		
10 81 13 00-0012	LF		4" Diameter Stainless Steel Coil Bird Deterrent System	8.14	1.03
10 81 13 00-0013	LF		5" Diameter Stainless Steel Coil Bird Deterrent System	9.64	1.03
10 81 13 00-0014			Spider Bird Barrier (10 81 13) Note: Stainless steel arms with various bases.		
10 81 13 00-0015	EA		2' Diameter Stainless Steel Spider Bird Deterrent System	141.54	1.03
10 81 13 00-0016	EA		4' Diameter Stainless Steel Spider Bird Deterrent System	208.86	1.03
10 81 13 00-0017	EA		8' Diameter Stainless Steel Spider Bird Deterrent System	263.46	1.03
10 81 13 00-0018			Oriented Flexible Flame Resistant Netting (10 81 13) Note: Includes stainless steel rings and plastic ties.		
10 81 13 00-0019	SF		1/8" x 1/8" Mesh Flexible Polypropylene Netting	1.03	0.36
			Note: To control bird and marine predators.		
10 81 13 00-0020	SF		1/4" x 1/4" Mesh Flexible Polypropylene Netting	0.99	0.36
			Note: To control bird and marine predators.		
10 81 13 00-0021	SF		1/2" x 1/2" Mesh Flexible Polypropylene Netting	0.95	0.36
			Note: To control bird and marine predators.		
10 81 13 00-0022	SF		3/4" x 3/4" Mesh Flexible Polypropylene Netting	0.92	0.36
			Note: To control bird and marine predators.		
10 81 13 00-0023	SF		1" x 1" Mesh Flexible Polypropylene Netting	0.92	0.36
			Note: To control bird and marine predators.		
10 81 13 00-0024	SF		1-1/8" x 1-1/8" Mesh Flexible Polypropylene Netting	0.90	0.36
			Note: To control bird and marine predators.		
10 81 13 00-0025	SF		2" x 2" Mesh Flexible Polypropylene Netting	0.87	0.36
			Note: To control bird and marine predators.		
10 81 13 00-0026	SF		3" x 3" Mesh Flexible Polypropylene Netting	0.87	0.36
			Note: To control bird and marine predators.		
10 81 13 00-0027	SF		4" x 4" Mesh Flexible Polypropylene Netting	0.84	0.36
			Note: To control bird and marine predators.		
10 81 13 00-0028	SF		5/8" x 3/4" Mesh Flexible Polypropylene Netting	0.93	0.36
			Note: To control bird and marine predators.		
10 81 13 00-0029	SF		1-1/4" x 1-1/2" Mesh Flexible Polypropylene Netting	0.89	0.36
			Note: To control bird and marine predators.		
10 81 13 00-0030	EA		Poly Clips For Flexible Netting	3.16	
10 81 13 00-0031			Netting Accessories (10 81 13)		
10 81 13 00-0032	EA		2' Zipper For Flexible Netting	9.40	
10 81 13 00-0033	EA		4' Zipper For Flexible Netting	14.16	
10 81 13 00-0034	EA		6' Zipper For Flexible Netting	16.66	
10 81 13 00-0035	EA		8' Zipper For Flexible Netting	23.68	

10 81 16 Insect Control Devices (10 81)

10 81 16 00-0001			Insect Screening (10 81 16)		
10 81 16 00-0002	CSF		17/14 Mesh Insect Screening With Flat Screen Splines	142.92	

10 86 Security Mirrors And Domes (10 80)

10 86 00 00-0001			Dome Mirrors (10 86) Note: Includes all mounting hardware. Indoor or outdoor applications.		
10 86 00 00-0002			Steel Dome Mirrors (10 86 00 00-0001)		
10 86 00 00-0003	EA		9" Diameter Full-Dome Steel Dome Mirror	325.08	25.67
10 86 00 00-0004	EA		12" Diameter Full-Dome Steel Dome Mirror	382.39	26.96
10 86 00 00-0005	EA		18" Diameter Full-Dome Steel Dome Mirror	442.26	29.53
10 86 00 00-0006	EA		24" Diameter Full-Dome Steel Dome Mirror	590.21	32.09
10 86 00 00-0007	EA		9" Diameter Half-Dome Steel Dome Mirror	232.74	19.26

		Specialties	10
		Other Specialties	10 80
		Security Mirrors And Domes	10 86

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 86 00 00-0008	EA	12" Diameter Half-Dome Steel Dome Mirror.....	268.64	20.54
10 86 00 00-0009	EA	18" Diameter Half-Dome Steel Dome Mirror.....	313.90	22.46
10 86 00 00-0010	EA	24" Diameter Half-Dome Steel Dome Mirror.....	436.76	24.40
10 86 00 00-0011		Plexiglas Dome Mirrors (10 86 00 00-0001)		
10 86 00 00-0012	EA	18" Diameter Full-Dome Plexiglas Dome Mirror.....	253.04	29.53
10 86 00 00-0013	EA	26" Diameter Full-Dome Plexiglas Dome Mirror.....	356.95	32.09
10 86 00 00-0014	EA	32" Diameter Full-Dome Plexiglas Dome Mirror.....	471.96	37.23
10 86 00 00-0015	EA	36" Diameter Full-Dome Plexiglas Dome Mirror.....	570.67	44.94
10 86 00 00-0016	EA	48" Diameter Full-Dome Plexiglas Dome Mirror.....	832.93	64.19
10 86 00 00-0017	EA	18" Diameter Half-Dome Plexiglas Dome Mirror.....	155.14	22.46
10 86 00 00-0018	EA	26" Diameter Half-Dome Plexiglas Dome Mirror.....	208.98	24.40
10 86 00 00-0019	EA	32" Diameter Half-Dome Plexiglas Dome Mirror.....	275.23	28.25
10 86 00 00-0020	EA	36" Diameter Half-Dome Plexiglas Dome Mirror.....	339.39	34.02
10 86 00 00-0021	EA	48" Diameter Half-Dome Plexiglas Dome Mirror.....	539.01	48.15
10 86 00 00-0022	EA	18" Diameter Quarter-Dome Plexiglas Dome Mirror.....	100.41	19.26
10 86 00 00-0023	EA	26" Diameter Quarter-Dome Plexiglas Dome Mirror.....	128.76	21.19
10 86 00 00-0024	EA	32" Diameter Quarter-Dome Plexiglas Dome Mirror.....	169.13	23.75
10 86 00 00-0025	EA	36" Diameter Quarter-Dome Plexiglas Dome Mirror.....	210.73	28.25
10 86 00 00-0026	EA	48" Diameter Quarter-Dome Plexiglas Dome Mirror.....	349.20	40.12
10 86 00 00-0027		Coated Plexiglas Dome Mirrors (10 86 00 00-0001)		
10 86 00 00-0028	EA	18" Diameter Full-Dome Coated Plexiglas Dome Mirror.....	301.83	29.53
10 86 00 00-0029	EA	26" Diameter Full-Dome Coated Plexiglas Dome Mirror.....	466.44	32.09
10 86 00 00-0030	EA	36" Diameter Full-Dome Coated Plexiglas Dome Mirror.....	789.65	44.94
10 86 00 00-0031	EA	48" Diameter Full-Dome Coated Plexiglas Dome Mirror.....	1,216.14	64.19
10 86 00 00-0032	EA	18" Diameter Half-Dome Coated Plexiglas Dome Mirror.....	196.08	22.46
10 86 00 00-0033	EA	26" Diameter Half-Dome Coated Plexiglas Dome Mirror.....	291.57	24.40
10 86 00 00-0034	EA	36" Diameter Half-Dome Coated Plexiglas Dome Mirror.....	460.78	34.02
10 86 00 00-0035	EA	48" Diameter Half-Dome Coated Plexiglas Dome Mirror.....	762.75	48.15
10 86 00 00-0036	EA	18" Diameter Quarter-Dome Coated Plexiglas Dome Mirror.....	142.53	19.26
10 86 00 00-0037	EA	26" Diameter Quarter-Dome Coated Plexiglas Dome Mirror.....	199.69	21.19
10 86 00 00-0038	EA	32" Diameter Quarter-Dome Coated Plexiglas Dome Mirror.....	258.62	23.75
10 86 00 00-0039	EA	36" Diameter Quarter-Dome Coated Plexiglas Dome Mirror.....	332.59	28.25
10 86 00 00-0040	EA	48" Diameter Quarter-Dome Coated Plexiglas Dome Mirror.....	520.58	40.12
10 86 00 00-0041		Circular Convex Security Mirrors (10 86)		
		Note: Includes all mounting hardware.		
10 86 00 00-0042		Plexiglas Circular Convex Mirrors (10 86 00 00-0041)		
		Note: Indoor models have a tempered hardboard backing. Outdoor models have a waterproof edge and back, rustproof hardware with backed-on enamel finish.		
10 86 00 00-0043	EA	12" Diameter Plexiglas Circular Convex Mirrors, Indoor.....	107.74	20.54
10 86 00 00-0044	EA	18" Diameter Plexiglas Circular Convex Mirrors, Indoor.....	139.91	22.46
10 86 00 00-0045	EA	26" Diameter Plexiglas Circular Convex Mirrors, Indoor.....	211.60	24.40
10 86 00 00-0046	EA	30" Diameter Plexiglas Circular Convex Mirrors, Indoor.....	264.28	28.25
10 86 00 00-0047	EA	36" Diameter Plexiglas Circular Convex Mirrors, Indoor.....	351.29	34.02
10 86 00 00-0048	EA	48" Diameter Plexiglas Circular Convex Mirrors, Indoor.....	619.93	48.15
10 86 00 00-0049	EA	18" Diameter Plexiglas Circular Convex Mirrors, Outdoor.....	180.14	22.46
10 86 00 00-0050	EA	26" Diameter Plexiglas Circular Convex Mirrors, Outdoor.....	259.20	24.40
10 86 00 00-0051	EA	36" Diameter Plexiglas Circular Convex Mirrors, Outdoor.....	370.34	34.02
10 86 00 00-0052	EA	48" Diameter Plexiglas Circular Convex Mirrors, Outdoor.....	677.06	48.15
10 86 00 00-0053		Coated Plexiglas Circular Convex Mirrors (10 86 00 00-0041)		
		Note: Indoor models have a tempered hardboard backing. Outdoor models have a waterproof edge and back, rustproof hardware with backed-on enamel finish.		
10 86 00 00-0054	EA	18" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor.....	217.27	22.46
10 86 00 00-0055	EA	26" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor.....	341.55	24.40
10 86 00 00-0056	EA	30" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor.....	458.74	28.25
10 86 00 00-0057	EA	36" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor.....	572.65	34.02
10 86 00 00-0058	EA	48" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor.....	831.77	48.15
10 86 00 00-0059	EA	18" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor.....	260.82	22.46
10 86 00 00-0060	EA	26" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor.....	403.44	24.40
10 86 00 00-0061	EA	30" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor.....	561.09	28.25
10 86 00 00-0062	EA	36" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor.....	634.54	34.02
10 86 00 00-0063	EA	48" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor.....	1,005.53	48.15

END OF SECTION 10

10	10	Specialties
	10 80	Other Specialties
	10 86	Security Mirrors And Domes



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST

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Equipment 11			
Operation and Maintenance of Equipment 11 01			⇅
Operation and Maintenance of Vehicle and Pedestrian Equipment 11 01 10			
MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	

11 Equipment

11 01 Operation and Maintenance of Equipment ⁽¹¹⁾

11 01 10 Operation and Maintenance of Vehicle and Pedestrian Equipment ^(11 01)

11 01 10 13 Operation and Maintenance of Parking Equipment ^(11 01 10)

11 01 10 13-0001	Replacement Parking Equipment ^(11 01 10 13)		
11 01 10 13-0002	EA 10' Wood Arm Replacement With Bolts	632.73	
11 01 10 13-0003	EA 12' Wood Arm Replacement With Bolts	661.24	
11 01 10 13-0004	EA 14' Wood Arm Replacement With Bolts	693.98	
11 01 10 13-0005	EA 12' Aluminum Arm Replacement With Bolts	924.18	
11 01 10 13-0006	EA 14' Aluminum Arm Replacement With Bolts	954.83	
11 01 10 13-0007	EA 16' Aluminum Arm Replacement With Bolts	1,353.56	
11 01 10 13-0008	EA 18' Aluminum Arm Replacement With Bolts	1,373.32	
11 01 10 13-0009	EA 20' Aluminum Arm Replacement With Bolts	1,411.23	
11 01 10 13-0010	EA 22' Aluminum Arm Replacement With Bolts	1,623.05	
11 01 10 13-0011	EA 24' Aluminum Arm Replacement With Bolts	1,649.79	

11 10 Vehicle and Pedestrian Equipment ⁽¹¹⁾

11 11 Vehicle Service Equipment ^(11 10)

11 11 36 Vehicle Charging Equipment ^(11 11)

11 11 36 13 Commercial Electric Vehicle Charging Unit ^(11 11 36)

11 11 36 13-0001	Electric Vehicle Charging Stations (GE) ^(11 11 36 13)		
Note: Available with RFID (Radio Frequency Identification) reader.			
11 11 36 13-0002	EA Single Pedestal Electric Vehicle Charging Station Without RFID (GE EVSN3)	4,349.03	152.02
Note: 208 to 240 volt, 30 amperes, 1 phase.			
11 11 36 13-0003	EA Double Pedestal Electric Vehicle Charging Station Without RFID (GE EVDN3)	7,736.43	202.69
Note: 208 to 240 volt, 30 amperes, 1 phase.			
11 11 36 13-0004	EA Single Pedestal Electric Vehicle Charging Station With RFID (GE EVSRN3)	8,087.66	152.02
Note: 208 to 240 volt, 30 amperes, 1 phase.			
11 11 36 13-0005	EA Double Pedestal Electric Vehicle Charging Station With RFID (GE EVDRN3)	13,825.24	202.69
Note: 208 to 240 volt, 30 amperes, 1 phase.			
11 11 36 13-0006	EA Single Pole Mounted Electric Vehicle Charging Station Without RFID (GE EVPN3)	3,811.17	76.00
Note: 208 to 240 volt, 30 amperes, 1 phase. Excludes pole.			
11 11 36 13-0007	EA Single Pole Mounted Electric Vehicle Charging Station With RFID (GE EVPRN3)	7,409.66	76.00
Note: 208 to 240 volt, 30 amperes, 1 phase. Excludes pole.			
11 11 36 13-0008	EA Single Wall Mounted Electric Vehicle Charging Station Without RFID (GE EVWN3)	3,678.71	101.34
Note: 208 to 240 volt, 30 amperes, 1 phase.			
11 11 36 13-0009	EA Single Wall Mounted Electric Vehicle Charging Station With RFID (GE EVWRN3)	7,137.02	101.34
Note: 208 to 240 volt, 30 amperes, 1 phase.			
11 11 36 13-0010	Electric Vehicle Charging Stations (AeroVironment) ^(11 11 36 13)		
Note: Can be configured as Level 1 (16 Amps, 120 VAC) or Level 2 (16 Amps, 240 VAC).			
11 11 36 13-0011	EA Module Electric Vehicle Charging Station (AeroVironment TurboDock Module)	2,975.89	50.67
Note: Includes charging station only. Excludes mounting bracket or pedestal.			
11 11 36 13-0012	EA Single Wall Mount Electric Vehicle Charging Station (AeroVironment TurboDock Wall Mount)	4,243.88	101.34
Note: Includes charging station(s) and wall mounting bracket that can hold up to two charging modules.			
11 11 36 13-0013	EA Dual Wall Mount Electric Vehicle Charging Station (AeroVironment TurboDock Wall Mount)	7,118.41	126.68
Note: Includes charging station(s) and wall mounting bracket that can hold up to two charging modules.			
11 11 36 13-0014	EA Single Pedestal Mount Electric Vehicle Charging Station (AeroVironment TurboDock Pedestal)	4,446.57	152.02
Note: Includes charging station(s), pedestal and mounting bracket that can hold up to four charging modules.			
11 11 36 13-0015	EA Dual Pedestal Mount Electric Vehicle Charging Station (AeroVironment TurboDock Pedestal)	7,321.09	177.35
Note: Includes charging station(s), pedestal and mounting bracket that can hold up to four charging modules.			
11 11 36 13-0016	EA Triple Pedestal Mount Electric Vehicle Charging Station (AeroVironment TurboDock Pedestal)	10,195.63	202.69
Note: Includes charging station(s), pedestal and mounting bracket that can hold up to four charging modules.			
11 11 36 13-0017	EA Quad Pedestal Mount Electric Vehicle Charging Station (AeroVironment TurboDock Pedestal)	13,070.17	228.02
Note: Includes charging station(s), pedestal and mounting bracket that can hold up to four charging modules.			
11 11 36 13-0018	Electric Vehicle Charging Stations (Leviton) ^(11 11 36 13)		
11 11 36 13-0019	EA Single Port, Electric Vehicle Charging Station, Gateway (Leviton evr-green® 4000 CPHG1-000)	4,995.51	101.34
Note: 208 to 240 volt, 30 amperes, 1 phase.			
For Bollard Body (Leviton CPMBX-000), Add		3,217.51	
For Bollard Cap (Leviton CPCAP-B), Add		295.68	
For Wall Mounting Body (Leviton CPMEX-000), Add		2,223.74	
For Wall Mounting Cap (Leviton CPCAP-W), Add		295.68	
For Cord Management Kit (Leviton CPCBX-000), Add		2,027.79	
11 11 36 13-0020	EA Single Port, Electric Vehicle Charging Station, Non-Gateway LAN (Leviton evr-green® 4000 CPHD1-000)	3,984.01	101.34
Note: 208 to 240 volt, 30 amperes, 1 phase.			
For Bollard Body (Leviton CPMBX-000), Add		3,217.51	
For Bollard Cap (Leviton CPCAP-B), Add		295.68	
For Wall Mounting Body (Leviton CPMEX-000), Add		2,223.74	
For Wall Mounting Cap (Leviton CPCAP-W), Add		295.68	
For Cord Management Kit (Leviton CPCBX-000), Add		2,027.79	

11 Equipment**11 10 Vehicle and Pedestrian Equipment****11 11 Vehicle Service Equipment**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

11 11 36 13-0021	EA	Dual Port, Electric Vehicle Charging Station, Gateway (Leviton evr-green® 4000 CPHG2-000).....	9,820.17	126.68
		Note: 208 to 240 volt, 30 amperes, 1 phase.		
		For Bollard Body (Leviton CPMBX-000), Add	3,217.51	
		For Bollard Cap (Leviton CPCAP-B), Add	295.68	
		For Wall Mounting Body (Leviton CPMEX-000), Add	2,223.74	
		For Wall Mounting Cap (Leviton CPCAP-W), Add	295.68	
		For Cord Management Kit (Leviton CPCBX-000), Add	2,027.79	
11 11 36 13-0022	EA	Dual Port, Electric Vehicle Charging Station, Gateway (Leviton evr-green® 4000 CPHD2-000).....	8,805.40	126.68
		Note: 208 to 240 volt, 30 amperes, 1 phase.		
		For Bollard Body (Leviton CPMBX-000), Add	3,217.51	
		For Bollard Cap (Leviton CPCAP-B), Add	295.68	
		For Wall Mounting Body (Leviton CPMEX-000), Add	2,223.74	
		For Wall Mounting Cap (Leviton CPCAP-W), Add	295.68	
		For Cord Management Kit (Leviton CPCBX-000), Add	2,027.79	
11 11 36 13-0023	EA	Bollard Mounting Body For Charging Station (Leviton CPMBX-000).....	3,622.89	152.02
		For Cap, Add	295.68	
11 11 36 13-0024	EA	Wall Mounting Body For Charging Station (Leviton CPMEX-000).....	2,629.12	152.02
		For Cap, Add	295.68	
11 11 36 13-0025	EA	Cord Management Kit For Charging Station (Leviton CPCBX-000).....	2,230.48	101.34
		For Cap, Add	295.68	

11 12 Parking Control Equipment ^(11 10)**11 12 13 Parking Key and Card Control Units** ^(11 12)

11 12 13 00-0001	EA	Card Access Control System, Surface Mounted.....	1,579.45	88.18
		Note: Entracomp 26SA-SM.		
11 12 13 00-0002	EA	Card Access Control System, Flush Mounted.....	1,760.73	88.18
		Note: Entracomp 26SA-FM.		
11 12 13 00-0003	EA	Card Access Control System, Flush Mounted.....	2,036.37	88.18
		Note: Entracomp 26SA-MH.		
11 12 13 00-0004	EA	Electronic Vehicle Detector Units, Push-Button Intercom.....	503.86	29.40
		Note: 3-position sensitivity switch and detection indicator light on front panel.		
		For Wiring Harness, Add	34.00	

11 12 16 Parking Ticket Dispensers ^(11 12)**11 12 16 00-0001 Parking Ticket Dispensers** ^(11 12 16)

11 12 16 00-0002	EA	Standard Parking Ticket Dispenser With Time/Date Stamp.....	11,915.89	211.63
11 12 16 00-0003	EA	Rate Computing Parking Ticket Dispenser With Printer.....	16,069.43	211.63

11 12 23 Parking Meters ^(11 12)**11 12 23 00-0001 Parking Meters** ^(11 12 23)

11 12 23 00-0002	EA	Removal Of Parking Meter For Replacement Or Reinstall Existing Meter.....	215.30	
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11 12 26 Parking Fee Collection Equipment ^(11 12)**11 12 26 13 Parking Fee Coin Collection Equipment** ^(11 12 26)**11 12 26 13-0001 Parking Fee Collection Equipment** ^(11 12 26 13)

11 12 26 13-0002	EA	Multiple Station Slot Box For Parking Fee Collection.....	2,822.49	71.71
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11 12 33 Parking Gates ^(11 12)**11 12 33 13 Lift Arm Parking Gates** ^(11 12 33)**11 12 33 13-0001 Barrier Parking Gate Operators** ^(11 12 33 13)**11 12 33 13-0002 Barrier Parking Gate Operators** ^(11 12 33 13-0001)

Note: Includes operator and barrier arm. Excludes access controls and concrete foundation.

11 12 33 13-0003	EA	12' Plastic Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1601-080).....	6,319.66	586.86
		For 230/460 Volt AC, Add	322.50	
11 12 33 13-0004	EA	14' Wood Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1601-080).....	6,299.06	586.86
		For 230/460 Volt AC, Add	322.50	
11 12 33 13-0005	EA	14' Aluminum Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1601-080).....	6,560.07	586.86
		For 230/460 Volt AC, Add	322.50	
11 12 33 13-0006	EA	20' Three Piece Wood Arm, 1 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1602-080).....	9,175.97	586.86
		For 230/460 Volt AC, Add	322.50	
11 12 33 13-0007	EA	14' Wood Arm, 1/3 HP, 115 Volt AC, Barrier Parking Gate Operator With Two Built-In Vehicle Detectors (Federal APD G-90 CD).....	9,747.98	586.86
11 12 33 13-0008	EA	14' Aluminum Arm, 1/3 HP, 115 Volt AC, Barrier Parking Gate Operator With Two Built-In Vehicle Detectors (Federal APD G-90 CD).....	10,160.11	586.86

11 12 33 13-0009 Barrier Parking Gate Operators With Tire Shredding Traffic Control Spikes

^(11 12 33 13-0001)

Note: Includes operator, barrier arm and tire shredding traffic control spikes. Excludes access controls and concrete foundation.

11 12 33 13-0010	EA	14' Wood Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 6' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080).....	18,643.68	1,173.72
11 12 33 13-0011	EA	14' Wood Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 9' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080).....	21,763.31	1,173.72
11 12 33 13-0012	EA	14' Aluminum Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 6' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080).....	18,798.23	1,173.72

			Equipment	11	
			Vehicle and Pedestrian Equipment	11 10	↕
			Parking Control Equipment	11 12	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

11 12 33 13-0013	EA	14' Aluminum Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 9' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080)	21,917.86	1,173.72
Barrier Parking Gate Operator Accessories (11 12 33 13-0001)				
11 12 33 13-0015	EA	12' Plastic Replacement Arm For Barrier Parking Gate Operators	216.59	22.44
11 12 33 13-0016	EA	14' Wood Replacement Arm For Barrier Parking Gate Operators	195.98	22.44
11 12 33 13-0017	EA	14' Aluminum Replacement Arm For Barrier Parking Gate Operators	457.00	22.44
11 12 33 13-0018	EA	20' Three Piece Wood Replacement Arm For Barrier Parking Gate Operators	688.82	22.44
11 12 33 13-0019	EA	Folding Wood Replacement Arm For Barrier Parking Gate Operators	628.72	22.44
11 12 33 13-0020	EA	Folding Plastic Replacement Arm For Barrier Parking Gate Operators	628.72	22.44
11 12 33 13-0021	EA	Folding Aluminum Replacement Arm For Barrier Parking Gate Operators	766.09	22.44
11 12 33 13-0022	EA	Heater Kit For Barrier Parking Gate Operators (DKS™ DoorKing® 1601-092)	655.57	134.60
11 12 33 13-0023	EA	Fan Kit For Barrier Parking Gate Operators (DKS™ DoorKing® 1601-093)	655.57	134.60
11 12 33 13-0024	EA	Single Channel Detector Loop For Barrier Parking Gate Operators (DKS™ DoorKing® 9410-010)	656.65	
11 12 33 13-0025	EA	Two Channel Detector Loop For Barrier Parking Gate Operators (Federal APD DLD-10B)	1,735.47	
11 12 33 13-0026	EA	36" Tall, Gooseneck Style, Single Mount, 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls (Federal APD)	1,271.33	44.87
Note: Includes mounting plate and hardware. Excludes concrete foundation.				
11 12 36 Tire Shredders (11 12)				
11 12 36 00-0001		Tire Shredding Traffic Control Spikes (11 12 36)		
11 12 36 00-0002		Flush Mount, Tire Shredding Traffic Control Spikes (11 12 36 00-0001)		
11 12 36 00-0003	EA	6' Section, Flush Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1610-081)	2,677.16	358.94
11 12 36 00-0004 Surface Mount, Tire Shredding Traffic Control Spikes (11 12 36 00-0001)				
11 12 36 00-0005	EA	3' Section With End Caps, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1610-088)	4,815.91	179.47
11 12 36 00-0006	EA	3' Add-On Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1610-087)	3,442.15	179.47
11 12 36 00-0007 Warning Signs And Signals For Tire Shredding Traffic Control Spikes (11 12 36 00-0001)				
11 12 36 00-0008	EA	Warning Sign For Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1615)	2,143.72	67.31
Note: Includes light and mounting post.				
11 12 36 00-0009	EA	Traffic Light Assembly For Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603)	1,742.12	89.73
Note: Includes mounting post and hardware.				
11 13 Loading Dock Equipment (11 10)				
Note: Includes all anchor bolts, drilling and fasteners.				
11 13 13 Loading Dock Bumpers (11 13)				
11 13 13 00-0001		Laminated Rubber Dock Bumpers (11 13 13)		
11 13 13 00-0002		4-1/2" Projection, Laminated Rubber Dock Bumpers (11 13 13 00-0001)		
11 13 13 00-0003	EA	14" x 6", 4-1/2" Projection, Laminated Rubber Dock Bumper	150.25	25.66
11 13 13 00-0004	EA	24" x 6", 4-1/2" Projection, Laminated Rubber Dock Bumper	185.49	25.66
11 13 13 00-0005	EA	36" x 6", 4-1/2" Projection, Laminated Rubber Dock Bumper	235.21	25.66
11 13 13 00-0006	EA	12" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	165.27	25.66
11 13 13 00-0007	EA	14" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	177.72	25.66
11 13 13 00-0008	EA	18" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	199.98	25.66
11 13 13 00-0009	EA	24" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	235.21	25.66
11 13 13 00-0010	EA	36" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	314.75	25.66
11 13 13 00-0011	EA	12" x 12", 4-1/2" Projection, Laminated Rubber Dock Bumper	185.15	25.66
11 13 13 00-0012	EA	12" x 14", 4-1/2" Projection, Laminated Rubber Dock Bumper	199.98	25.66
11 13 13 00-0013	EA	12" x 18", 4-1/2" Projection, Laminated Rubber Dock Bumper	242.28	25.66
11 13 13 00-0014	EA	12" x 24", 4-1/2" Projection, Laminated Rubber Dock Bumper	272.28	25.66
11 13 13 00-0015	EA	12" x 36", 4-1/2" Projection, Laminated Rubber Dock Bumper	369.69	25.66
11 13 13 00-0016	EA	11" x 20", 4-1/2" Projection, Laminated Rubber Dock Bumper	224.76	25.66
11 13 13 00-0017	EA	11" x 24", 4-1/2" Projection, Laminated Rubber Dock Bumper	259.64	25.66
11 13 13 00-0018	EA	11" x 36", 4-1/2" Projection, Laminated Rubber Dock Bumper	333.97	25.66
11 13 13 00-0019 6" Projection, Laminated Rubber Dock Bumpers (11 13 13 00-0001)				
11 13 13 00-0020	EA	12" x 10", 6" Projection, Laminated Rubber Dock Bumper	210.05	25.66
11 13 13 00-0021	EA	14" x 10", 6" Projection, Laminated Rubber Dock Bumper	222.35	25.66
11 13 13 00-0022	EA	18" x 10", 6" Projection, Laminated Rubber Dock Bumper	252.01	25.66
11 13 13 00-0023	EA	24" x 10", 6" Projection, Laminated Rubber Dock Bumper	297.18	25.66
11 13 13 00-0024	EA	36" x 10", 6" Projection, Laminated Rubber Dock Bumper	397.12	25.66
11 13 13 00-0025	EA	12" x 12", 6" Projection, Laminated Rubber Dock Bumper	237.35	25.66
11 13 13 00-0026	EA	14" x 12", 6" Projection, Laminated Rubber Dock Bumper	247.46	25.66
11 13 13 00-0027	EA	18" x 12", 6" Projection, Laminated Rubber Dock Bumper	287.57	25.66
11 13 13 00-0028	EA	24" x 12", 6" Projection, Laminated Rubber Dock Bumper	347.40	25.66
11 13 13 00-0029	EA	36" x 12", 6" Projection, Laminated Rubber Dock Bumper	514.92	25.66
11 13 13 00-0030	EA	11" x 20", 6" Projection, Laminated Rubber Dock Bumper	297.35	25.66
11 13 13 00-0031	EA	11" x 24", 6" Projection, Laminated Rubber Dock Bumper	337.46	25.66
11 13 13 00-0032	EA	11" x 36", 6" Projection, Laminated Rubber Dock Bumper	342.80	25.66
11 13 13 00-0033 Extruded Rubber Dock Bumpers (11 13 13)				

11 Equipment**11 10 Vehicle and Pedestrian Equipment****11 13 Loading Dock Equipment**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

11 13 13 00-0034		1-3/4" Projection, Extruded Rubber Dock Bumpers (11 13 13 00-0033)		
11 13 13 00-0035	EA	12" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper.....	82.96	25.66
11 13 13 00-0036	EA	18" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper.....	87.91	25.66
11 13 13 00-0037	EA	24" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper.....	94.52	25.66
11 13 13 00-0038	EA	36" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper.....	101.12	25.66
11 13 13 00-0039		4" Projection, Extruded Rubber Dock Bumpers (11 13 13 00-0033)		
11 13 13 00-0040	EA	12" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper.....	108.86	25.66
11 13 13 00-0041	EA	18" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper.....	129.69	25.66
11 13 13 00-0042	EA	24" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper.....	135.69	25.66
11 13 13 00-0043	EA	36" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper.....	149.36	25.66
11 13 13 00-0044		6" Projection, Extruded Rubber Dock Bumpers (11 13 13 00-0033)		
11 13 13 00-0045	EA	12" x 6", 6" Projection, Extruded Rubber Dock Bumper.....	132.19	25.66
11 13 13 00-0046	EA	18" x 6", 6" Projection, Extruded Rubber Dock Bumper.....	160.27	25.66
11 13 13 00-0047	EA	24" x 6", 6" Projection, Extruded Rubber Dock Bumper.....	183.39	25.66
11 13 13 00-0048	EA	36" x 6", 6" Projection, Extruded Rubber Dock Bumper.....	227.52	25.66
11 13 13 00-0049		Molded Rubber Dock Bumpers (11 13 13)		
11 13 13 00-0050		Rectangular Molded Rubber Dock Bumpers (11 13 13 00-0049)		
11 13 13 00-0051	EA	18" x 8", 2" Projection, Rectangular Molded Rubber Dock Bumper.....	116.90	25.66
11 13 13 00-0052	EA	10" x 4-1/2", 3" Projection, Rectangular Molded Rubber Dock Bumper.....	104.14	25.66
11 13 13 00-0053	EA	20" x 4-1/2", 3" Projection, Rectangular Molded Rubber Dock Bumper.....	133.25	25.66
11 13 13 00-0054	EA	30" x 4-1/2", 3" Projection, Rectangular Molded Rubber Dock Bumper.....	162.60	25.66
11 13 13 00-0055	EA	24" x 12", 3" Projection, Rectangular Molded Rubber Dock Bumper.....	169.53	25.66
11 13 13 00-0056	EA	13" x 10", 4" Projection, Rectangular Molded Rubber Dock Bumper.....	129.91	25.66
11 13 13 00-0057	EA	18" x 10", 4" Projection, Rectangular Molded Rubber Dock Bumper.....	163.77	25.66
11 13 13 00-0058	EA	30" x 10", 4" Projection, Rectangular Molded Rubber Dock Bumper.....	233.47	25.66
11 13 13 00-0059	EA	13" x 12", 4" Projection, Rectangular Molded Rubber Dock Bumper.....	140.04	25.66
11 13 13 00-0060	EA	24" x 12", 4" Projection, Rectangular Molded Rubber Dock Bumper.....	201.96	25.66
11 13 13 00-0061	EA	18" x 18", 4" Projection, Rectangular Molded Rubber Dock Bumper.....	201.35	25.66
11 13 13 00-0062	EA	24" x 12", 6" Projection, Rectangular Molded Rubber Dock Bumper.....	301.61	25.66
11 13 13 00-0063		T And L Shaped Rubber Dock Bumpers (11 13 13 00-0049)		
11 13 13 00-0064	EA	22" x 22", 3" Projection, T Shaped Molded Rubber Dock Bumper.....	191.81	25.66
11 13 13 00-0065	EA	18" x 18", 4" Projection, L Shaped Molded Rubber Dock Bumper.....	177.54	25.66
11 13 16		Loading Dock Seals and Shelters (11 13)		
11 13 16 13		Loading Dock Seals (11 13 16)		
11 13 16 13-0001		Vinyl Loading Dock Seals (11 13 16 13)		
11 13 16 13-0002		Standard Vinyl Loading Dock Seals (11 13 16 13-0001)		
11 13 16 13-0003	LF	10" Projection, Standard, Vinyl Loading Dock Seal.....	102.52	25.66
11 13 16 13-0004	LF	11" Projection, Standard, Vinyl Loading Dock Seal.....	103.78	25.66
11 13 16 13-0005	LF	12" Projection, Standard, Vinyl Loading Dock Seal.....	105.05	25.66
11 13 16 13-0006	LF	13" Projection, Standard, Vinyl Loading Dock Seal.....	107.57	25.66
11 13 16 13-0007	LF	14" Projection, Standard, Vinyl Loading Dock Seal.....	110.10	25.66
11 13 16 13-0008	LF	15" Projection, Standard, Vinyl Loading Dock Seal.....	112.66	25.66
11 13 16 13-0009	LF	16" Projection, Standard, Vinyl Loading Dock Seal.....	115.23	25.66
11 13 16 13-0010	LF	17" Projection, Standard, Vinyl Loading Dock Seal.....	117.86	25.66
11 13 16 13-0011	LF	18" Projection, Standard, Vinyl Loading Dock Seal.....	120.49	25.66
11 13 16 13-0012	LF	19" Projection, Standard, Vinyl Loading Dock Seal.....	123.02	25.66
11 13 16 13-0013	LF	20" Projection, Standard, Vinyl Loading Dock Seal.....	125.55	25.66
11 13 16 13-0014	LF	22" Projection, Standard, Vinyl Loading Dock Seal.....	130.68	25.66
11 13 16 13-0015		8" Exposure Wear Pleats, Vinyl Loading Dock Seals (11 13 16 13-0001)		
11 13 16 13-0016	LF	10" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	117.54	25.66
11 13 16 13-0017	LF	11" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	118.81	25.66
11 13 16 13-0018	LF	12" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	120.07	25.66
11 13 16 13-0019	LF	13" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	122.64	25.66
11 13 16 13-0020	LF	14" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	125.20	25.66
11 13 16 13-0021	LF	15" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	127.73	25.66
11 13 16 13-0022	LF	16" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	130.25	25.66
11 13 16 13-0023	LF	17" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	132.82	25.66
11 13 16 13-0024	LF	18" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	135.38	25.66
11 13 16 13-0025	LF	19" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	137.91	25.66
11 13 16 13-0026	LF	20" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	140.51	25.66
11 13 16 13-0027	LF	22" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	145.56	25.66
11 13 16 13-0028		4" Exposure Wear Pleats, Vinyl Loading Dock Seals (11 13 16 13-0001)		
11 13 16 13-0029	LF	10" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	125.55	25.66
11 13 16 13-0030	LF	11" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	126.85	25.66
11 13 16 13-0031	LF	12" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	128.15	25.66
11 13 16 13-0032	LF	13" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	130.68	25.66

		Equipment	11
		Vehicle and Pedestrian Equipment	11 10
		Loading Dock Equipment	11 13

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 16 13-0033	LF		14" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	133.20	25.66
11 13 16 13-0034	LF		15" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	135.77	25.66
11 13 16 13-0035	LF		16" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	138.33	25.66
11 13 16 13-0036	LF		17" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	140.86	25.66
11 13 16 13-0037	LF		18" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	143.39	25.66
11 13 16 13-0038	LF		19" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	145.95	25.66
11 13 16 13-0039	LF		20" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	148.51	25.66
11 13 16 13-0040	LF		22" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	153.71	25.66
11 13 16 13-0041			Vinyl Loading Dock Seals With Drape Curtain (11 13 16 13)		
11 13 16 13-0042			Standard, Vinyl Loading Dock Seals With Drape Curtain (11 13 16 13-0041)		
11 13 16 13-0043	LF		10" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	95.83	25.66
11 13 16 13-0044	LF		12" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	97.81	25.66
11 13 16 13-0045	LF		14" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	102.21	25.66
11 13 16 13-0046	LF		16" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	106.54	25.66
11 13 16 13-0047	LF		18" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	110.99	25.66
11 13 16 13-0048	LF		20" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	115.33	25.66
11 13 16 13-0049	LF		22" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	119.72	25.66
11 13 16 13-0050			8" Exposure Wear Pleats, Vinyl Loading Dock Seals With Drape Curtain (11 13 16 13-0041)		
11 13 16 13-0051	LF		10" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	110.03	25.66
11 13 16 13-0052	LF		12" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	112.08	25.66
11 13 16 13-0053	LF		14" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	116.47	25.66
11 13 16 13-0054	LF		16" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	120.87	25.66
11 13 16 13-0055	LF		18" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	125.20	25.66
11 13 16 13-0056	LF		20" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	129.59	25.66
11 13 16 13-0057	LF		22" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	133.93	25.66
11 13 16 13-0058			4" Exposure Wear Pleats, Vinyl Loading Dock Seals With Drape Curtain (11 13 16 13-0041)		
11 13 16 13-0059	LF		10" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	117.74	25.66
11 13 16 13-0060	LF		12" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	119.72	25.66
11 13 16 13-0061	LF		14" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	124.18	25.66
11 13 16 13-0062	LF		16" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	128.51	25.66
11 13 16 13-0063	LF		18" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	132.90	25.66
11 13 16 13-0064	LF		20" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	137.24	25.66
11 13 16 13-0065	LF		22" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	141.69	25.66
11 13 16 23			Loading Dock Shelters (11 13 16)		
11 13 16 23-0001			Retractable Vinyl Loading Dock Shelter (11 13 16 23)		
11 13 16 23-0002	LF		Retractable Vinyl Dock Shelters, Scissor Arms	158.71	32.08
11 13 16 23-0003			Rigid Loading Dock Shelters (11 13 16 23)		
11 13 16 23-0004	LF		18" Projection, Rigid Loading Dock Shelter	120.71	30.80
11 13 16 23-0005	LF		24" Projection, Rigid Loading Dock Shelter	125.37	30.80
11 13 16 23-0006	LF		30" Projection, Rigid Loading Dock Shelter	130.23	32.08
11 13 16 23-0007	LF		36" Projection, Rigid Loading Dock Shelter	133.45	32.08
11 13 19			Stationary Loading Dock Equipment (11 13)		
11 13 19 13			Loading Dock Levelers (11 13 19)		
11 13 19 13-0001			Hydraulic Dock Levelers (11 13 19 13)		
			Note: Excludes control panel, remote operator, and electrical wiring.		
11 13 19 13-0002			20,000 Lb. Hydraulic Dock Levelers (11 13 19 13-0001)		
11 13 19 13-0003	EA		6' x 6', 20,000 Lb. Hydraulic Dock Leveler	8,089.42	1,044.04
11 13 19 13-0004	EA		6' x 8', 20,000 Lb. Hydraulic Dock Leveler	8,660.67	1,160.04
11 13 19 13-0005	EA		6' x 10', 20,000 Lb. Hydraulic Dock Leveler	10,571.81	1,392.05
11 13 19 13-0006	EA		7' x 6', 20,000 Lb. Hydraulic Dock Leveler	8,606.93	1,160.04
11 13 19 13-0007	EA		7' x 8', 20,000 Lb. Hydraulic Dock Leveler	9,343.11	1,276.05
11 13 19 13-0008	EA		7' x 10', 20,000 Lb. Hydraulic Dock Leveler	11,198.41	1,508.06
11 13 19 13-0009			25,000 Lb. Hydraulic Dock Levelers (11 13 19 13-0001)		
11 13 19 13-0010	EA		6' x 6', 25,000 Lb. Hydraulic Dock Leveler	8,247.68	1,044.04
11 13 19 13-0011	EA		6' x 8', 25,000 Lb. Hydraulic Dock Leveler	8,822.95	1,160.04
11 13 19 13-0012	EA		6' x 10', 25,000 Lb. Hydraulic Dock Leveler	10,723.85	1,392.05
11 13 19 13-0013	EA		7' x 6', 25,000 Lb. Hydraulic Dock Leveler	8,760.32	1,160.04
11 13 19 13-0014	EA		7' x 8', 25,000 Lb. Hydraulic Dock Leveler	9,484.28	1,276.05
11 13 19 13-0015	EA		7' x 10', 25,000 Lb. Hydraulic Dock Leveler	11,496.86	1,508.06
11 13 19 13-0016			30,000 Lb. Hydraulic Dock Levelers (11 13 19 13-0001)		
11 13 19 13-0017	EA		6' x 6', 30,000 Lb. Hydraulic Dock Leveler	8,650.32	1,218.05
11 13 19 13-0018	EA		6' x 8', 30,000 Lb. Hydraulic Dock Leveler	9,205.89	1,392.05
11 13 19 13-0019	EA		6' x 10', 30,000 Lb. Hydraulic Dock Leveler	11,196.10	1,624.06

11 Equipment**11 10 Vehicle and Pedestrian Equipment****11 13 Loading Dock Equipment**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
11 13 19 13-0020	EA	7' x 6', 30,000 Lb. Hydraulic Dock Leveler	9,205.89	1,392.05	
11 13 19 13-0021	EA	7' x 8', 30,000 Lb. Hydraulic Dock Leveler	9,894.21	1,566.06	
11 13 19 13-0022	EA	7' x 10', 30,000 Lb. Hydraulic Dock Leveler	11,884.42	1,682.07	
11 13 19 13-0023		35,000 Lb. Hydraulic Dock Levelers (11 13 19 13-0001)			
11 13 19 13-0024	EA	6' x 6', 35,000 Lb. Hydraulic Dock Leveler	8,950.03	1,276.05	
11 13 19 13-0025	EA	6' x 8', 35,000 Lb. Hydraulic Dock Leveler	9,507.31	1,450.06	
11 13 19 13-0026	EA	6' x 10', 35,000 Lb. Hydraulic Dock Leveler	10,734.08	1,682.07	
11 13 19 13-0027	EA	7' x 6', 35,000 Lb. Hydraulic Dock Leveler	9,507.31	1,450.06	
11 13 19 13-0028	EA	7' x 8', 35,000 Lb. Hydraulic Dock Leveler	10,328.47	1,624.06	
11 13 19 13-0029	EA	7' x 10', 35,000 Lb. Hydraulic Dock Leveler	12,369.74	1,740.07	
11 13 19 13-0030		40,000 Lb. Hydraulic Dock Levelers (11 13 19 13-0001)			
11 13 19 13-0031	EA	6' x 6', 40,000 Lb. Hydraulic Dock Leveler	9,446.04	1,276.05	
11 13 19 13-0032	EA	6' x 8', 40,000 Lb. Hydraulic Dock Leveler	10,002.49	1,450.06	
11 13 19 13-0033	EA	6' x 10', 40,000 Lb. Hydraulic Dock Leveler	12,028.41	1,682.07	
11 13 19 13-0034	EA	7' x 6', 40,000 Lb. Hydraulic Dock Leveler	10,002.49	1,450.06	
11 13 19 13-0035	EA	7' x 8', 40,000 Lb. Hydraulic Dock Leveler	10,824.68	1,624.06	
11 13 19 13-0036	EA	7' x 10', 40,000 Lb. Hydraulic Dock Leveler	12,865.58	1,740.07	
11 13 19 13-0037		45,000 Lb. Hydraulic Dock Levelers (11 13 19 13-0001)			
11 13 19 13-0038	EA	6' x 6', 45,000 Lb. Hydraulic Dock Leveler	9,883.06	1,334.05	
11 13 19 13-0039	EA	6' x 8', 45,000 Lb. Hydraulic Dock Leveler	10,450.21	1,508.06	
11 13 19 13-0040	EA	6' x 10', 45,000 Lb. Hydraulic Dock Leveler	12,463.63	1,740.07	
11 13 19 13-0041	EA	7' x 6', 45,000 Lb. Hydraulic Dock Leveler	10,451.96	1,508.06	
11 13 19 13-0042	EA	7' x 8', 45,000 Lb. Hydraulic Dock Leveler	11,266.14	1,682.07	
11 13 19 13-0043	EA	7' x 10', 45,000 Lb. Hydraulic Dock Leveler	13,291.17	1,798.07	
11 13 19 13-0044		Manual Dock Levelers (11 13 19 13)			
11 13 19 13-0045		20,000 Lb. Manual Dock Levelers (11 13 19 13-0044)			
11 13 19 13-0046	EA	6' x 6', 20,000 Lb. Manual Dock Leveler	6,475.85	1,044.04	
11 13 19 13-0047	EA	6' x 8', 20,000 Lb. Manual Dock Leveler	7,057.29	1,160.04	
11 13 19 13-0048	EA	6' x 10', 20,000 Lb. Manual Dock Leveler	8,958.24	1,392.05	
11 13 19 13-0049	EA	7' x 6', 20,000 Lb. Manual Dock Leveler	6,994.82	1,160.04	
11 13 19 13-0050	EA	7' x 8', 20,000 Lb. Manual Dock Leveler	7,729.54	1,276.05	
11 13 19 13-0051	EA	7' x 10', 20,000 Lb. Manual Dock Leveler	9,749.40	1,392.05	
11 13 19 13-0052		40,000 Lb. Manual Dock Levelers (11 13 19 13-0044)			
11 13 19 13-0053	EA	6' x 6', 40,000 Lb. Manual Dock Leveler	7,975.19	1,160.04	
11 13 19 13-0054	EA	6' x 8', 40,000 Lb. Manual Dock Leveler	8,531.64	1,276.05	
11 13 19 13-0055	EA	6' x 10', 40,000 Lb. Manual Dock Leveler	9,308.06	1,508.06	
11 13 19 13-0056	EA	7' x 6', 40,000 Lb. Manual Dock Leveler	8,531.64	1,276.05	
11 13 19 13-0057	EA	7' x 8', 40,000 Lb. Manual Dock Leveler	9,687.32	1,392.05	
11 13 19 13-0058	EA	7' x 10', 40,000 Lb. Manual Dock Leveler	11,394.72	1,624.06	
11 13 19 13-0059		Edge Of Dock Levelers (11 13 19 13)			
Note: Mounted on face of dock, single torsion bar counter balance, includes bumpers.					
11 13 19 13-0060		Hydraulic Edge Of Dock Levelers (11 13 19 13-0059)			
Note: Excludes control panel, remote operator, and electrical wiring.					
11 13 19 13-0061	EA	66" Usable Width, 20,000 Lb. Edge Of Dock Leveler, Hydraulic (Vestil PE-2066).....	4,562.27	348.02	
11 13 19 13-0062	EA	72" Usable Width, 20,000 Lb. Edge Of Dock Leveler, Hydraulic (Vestil PE-2072).....	4,898.00	348.02	
11 13 19 13-0063	EA	66" Usable Width, 25,000 Lb. Edge Of Dock Leveler, Hydraulic (Vestil PE-2566).....	4,849.41	348.02	
11 13 19 13-0064	EA	72" Usable Width, 25,000 Lb. Edge Of Dock Leveler, Hydraulic (Vestil PE-2572).....	5,310.31	348.02	
11 13 19 13-0065	EA	66" Usable Width, 20,000 Lb. Conventional Trailer, HED Series Edge Of Dock Leveler, Hydraulic (DLM HED6620).....	5,477.43	348.02	
11 13 19 13-0066	EA	72" Usable Width, 20,000 Lb. Conventional Trailer, HED Series Edge Of Dock Leveler, Hydraulic (DLM HED7220).....	5,785.86	348.02	
11 13 19 13-0067		Manual Edge Of Dock Levelers (11 13 19 13-0059)			
11 13 19 13-0068	EA	66" Usable Width, 20,000 Lb. Edge Of Dock Leveler, Manual (Vestil FM-2066).....	2,423.61	348.02	
11 13 19 13-0069	EA	72" Usable Width, 20,000 Lb. Edge Of Dock Leveler, Manual (Vestil FM-2072).....	2,625.86	348.02	
11 13 19 13-0070	EA	66" Usable Width, 25,000 Lb. Edge Of Dock Leveler, Manual (Vestil FM-2566).....	2,687.71	348.02	
11 13 19 13-0071	EA	72" Usable Width, 25,000 Lb. Edge Of Dock Leveler, Manual (Vestil FM-2572).....	2,839.39	348.02	
11 13 19 13-0072	EA	66" Usable Width, 25,000 Lb. Conventional Trailer, Edge of Dock Leveler, Manual (Bluff Manufacturing 25EP66).....	3,009.96	348.02	
11 13 19 13-0073	EA	72" Usable Width, 25,000 Lb. Conventional Trailer, Edge of Dock Leveler, Manual (Bluff Manufacturing 25EP72).....	3,417.02	348.02	
11 13 19 13-0074	EA	78" Usable Width, 25,000 Lb. Conventional Trailer, Edge Of Dock Leveler, Manual (Bluff Manufacturing 25EP78).....	3,716.49	348.02	
11 13 19 13-0075	EA	72" Usable Width, 30,000 Lb. Conventional Trailer, Edge of Dock Leveler, Manual (Bluff Manufacturing 30EP72).....	3,759.52	348.02	
11 13 19 13-0076	EA	66" Usable Width, 20,000 Lb. Refrigerated Truck, Edge of Dock Leveler, Manual (Bluff Manufacturing 20EP66-R).....	3,350.67	348.02	
11 13 19 13-0077	EA	78" Usable Width, 30,000 Lb. Refrigerated Truck, Edge Of Dock Leveler, Manual (Bluff Manufacturing 30EP78-R).....	4,593.37	348.02	
11 13 19 13-0078	EA	72" Usable Width, 30,000 Lb. Refrigerated Truck, Edge Of Dock Leveler, Manual (Bluff Manufacturing 30EP72-R).....	4,326.18	348.02	
11 13 19 23		Stationary Loading Dock Lifts (11 13 19)			
11 13 19 23-0001		Top Of Ground, Fixed Platform Lifts (11 13 19 23)			
11 13 19 23-0002	EA	6' x 8', 5,500 Lb. Top Of Ground, Fixed Platform Lift.....	18,060.03	258.47	

		Equipment	11
		Vehicle and Pedestrian Equipment	11 10
		Loading Dock Equipment	11 13
MINOR	DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM	UNIT COST	UNIT COST

11 13 19 23-0003	Pit Mounted, Fixed Platform Lifts (11 13 19 23)		
11 13 19 23-0004	EA 6' x 8', 5,000 Lb. Fixed Platform Lift, Pit Mounted.....	12,270.54	258.47
11 13 19 23-0005	EA 6' x 8', 8,000 Lb. Fixed Platform Lift, Pit Mounted.....	21,997.19	387.71
11 13 19 23-0006	EA 7' x 12', 15,000 Lb. Fixed Platform Lift, Pit Mounted.....	38,520.10	775.41
11 13 19 23-0007	EA 8' x 20', 15,000 Lb. Fixed Platform Lift, Pit Mounted.....	40,412.54	1,033.88

11 13 19 26 Loading Dock Truck Lifts (11 13 19)

11 13 19 26-0001	Hydraulic Truck Lifts (11 13 19 26)		
11 13 19 26-0002	EA 10' x 15', 60,000 Lb. Platform Truck Lift.....	35,461.25	1,773.80
11 13 19 26-0003	EA 10' x 20', 60,000 Lb. Platform Truck Lift.....	40,552.58	2,128.56

11 13 19 33 Loading Dock Truck Restraints (11 13 19)

11 13 19 33-0001	Truck Restraint System (11 13 19 33)		
11 13 19 33-0002	EA Electrical Operated Loading Dock Ground Mounted Vehicle Restraint (Serco SL60)..... Note: Includes Integrated Control Panel & Automatic Light Communication Package, minimum 32,000 Lb. restraint capacity and Manufacturer's standard concrete anchor bolts and brackets for ground mounting to concrete apron.	10,666.34	435.01
11 13 19 33-0003	EA Push Button Rotating Hook Trailer Restraint With Automatic Lights (Kelley Star 4)..... Note: Includes push button controls, warning lights, alarms, minimum 32,000 Lb. restraint capacity, all mounting plates, bolts, welds, warning signs, gasketed weatherproof box for controls, 120 V UL listed.	11,143.04	435.01
11 13 19 33-0004	EA Truck Restraint System (Poweramp Powerstop AAL) Note: Includes push button controls, warning lights, alarms, 30,000 Lb. holding force, all mounting plates, bolts, welds, warning signs, gasketed weatherproof box for controls, 120 V UL listed.	8,669.78	435.01

11 13 23 Portable Dock Equipment (11 13)

11 13 23 23 Portable Dock Platforms (11 13 23)

11 13 23 23-0001	EA 6' x 6', 5,000 Lb. Capacity Portable Platform Lift	14,032.62	112.17
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11 13 26 Loading Dock Lights (11 13)

11 13 26 00-0001 Communication Lights (11 13 26)

11 13 26 00-0002	EA Console Controlled, Dock Communication Light, Stop And Go Red Light Style, 12 Or 24 Volt DC Or 115 Volt AC..... Note: Excludes control console.	393.99	88.18
11 13 26 00-0003	EA Toggle Switch Controlled, Dock Communication Light, Stop And Go Red Light Style, With Solid State Flasher, 12 Or 24 Volt DC Or 115 Volt AC	495.71	88.18
11 13 26 00-0004	EA Dock Guide Light For Truck Backing	210.57	70.54

11 13 26 00-0005 Communication Lights Controls (11 13 26)

11 13 26 00-0006	EA Dock Communication Lights Control Console For Up To Two Docks.....	409.51	117.57
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11 13 26 00-0007 Loading Dock Lights (11 13 26)

11 13 26 00-0008 Incandescent Loading Dock Lights (11 13 26 00-0007)

11 13 26 00-0009	EA 24" Long, Single Arm Loading Dock Light, 300W Incandescent.....	464.81	117.57
11 13 26 00-0010	EA 40" Long, Dual Arm Loading Dock Light, 300W Incandescent	412.20	117.57
11 13 26 00-0011	EA 60" Long, Dual Arm Loading Dock Light, 300W Incandescent	544.93	117.57

11 13 26 00-0012 Metal Halide Loading Dock Lights (11 13 26 00-0007)

11 13 26 00-0013	EA 24" Long, Single Arm Loading Dock Light, 100W Metal Halide	646.68	117.57
11 13 26 00-0014	EA 40" Long, Dual Arm Loading Dock Light, 100W Metal Halide.....	709.03	117.57
11 13 26 00-0015	EA 60" Long, Dual Arm Loading Dock Light, 100W Metal Halide.....	758.90	117.57

11 13 26 00-0016 Quartz Halogen Loading Dock Lights (11 13 26 00-0007)

11 13 26 00-0017	EA 24" Long, Single Arm Loading Dock Light, 500W Quartz Halogen.....	405.19	117.57
11 13 26 00-0018	EA 40" Long, Dual Arm Loading Dock Light, 500W Quartz Halogen.....	444.64	117.57
11 13 26 00-0019	EA 60" Long, Dual Arm Loading Dock Light, 500W Quartz Halogen.....	478.31	117.57

11 14 Pedestrian Control Equipment (11 10)

11 14 13 Pedestrian Gates (11 14)

11 14 13 16 Rotary Gates (11 14 13)

11 14 13 16-0001 Access Control Indoor Or Outdoor Impenetrability (11 14 13 16)

11 14 13 16-0002 Mechanical (11 14 13 16-0001)

11 14 13 16-0003 Galvanized Steel (11 14 13 16-0002)

11 14 13 16-0004	EA One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Galvanized Steel	13,194.95	1,718.57
11 14 13 16-0005	EA One-Way, Single 7' High Exit Rotary Gate, 4 Rotor Sections, Galvanized Steel	14,881.18	1,718.57
11 14 13 16-0006	EA One-Way, "Handicapped" 7' High Exit Rotary Gate, 4 Rotor Sections, Galvanized Steel	29,578.79	2,564.01
11 14 13 16-0007	EA One-Way, Double 7' High Exit Rotary Gate, 3 Or 4 Rotor Sections, Galvanized Steel.....	28,648.88	2,564.01

11	11	Equipment
	11 10	Vehicle and Pedestrian Equipment
	11 14	Pedestrian Control Equipment



		MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 14 13 16-0008					Powder Coated Steel (11 14 13 16-0002)		
11 14 13 16-0009	EA				One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Powder Coated Steel	14,902.88	1,718.57
11 14 13 16-0010	EA				One-Way, Single 7' High Exit Rotary Gate, 4 Rotor Sections, Powder Coated Steel	16,524.02	1,718.57
11 14 13 16-0011	EA				One-Way, "Handicapped" 7' High Exit Rotary Gate, 3 Rotor Sections, Powder Coated Steel	34,882.38	2,564.01
11 14 13 16-0012	EA				One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Powder Coated Steel	31,451.01	2,564.01
11 14 13 16-0013					Anodized Aluminum (11 14 13 16-0002)		
11 14 13 16-0014	EA				One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	15,643.71	1,718.57
11 14 13 16-0015	EA				One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Complete Anodized Aluminum	26,991.71	1,718.57
11 14 13 16-0016	EA				One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	31,314.63	2,564.01
11 14 13 16-0017	EA				One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Complete Anodized Aluminum	52,690.16	2,564.01
11 14 13 16-0018					Stainless Steel (11 14 13 16-0002)		
11 14 13 16-0019	EA				One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Stainless Steel	24,617.34	1,718.57
11 14 13 16-0020	EA				One-Way, Single 7' High Exit Rotary Gate, 4 Rotor Sections, Stainless Steel	27,611.65	1,718.57
11 14 13 16-0021	EA				One-Way, "Handicapped" 7' High Exit Rotary Gate, 3 Rotor Sections, Stainless Steel	39,497.83	2,564.01
11 14 13 16-0022	EA				One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Stainless Steel	49,230.89	2,564.01
11 14 13 16-0023					Transparent (11 14 13 16-0002)		
11 14 13 16-0024	EA				One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Transparent	48,689.61	1,718.82
11 14 13 16-0025					Mechanical Options (11 14 13 16-0001)		
11 14 13 16-0026	EA				Out-of-Use Lock Option, Add	263.47	
11 14 13 16-0027	EA				Heel Protector (Each Heel Protector), Add	185.98	
11 14 13 16-0028					Electrical, One-Way (11 14 13 16-0001)		
11 14 13 16-0029					Galvanized Steel (11 14 13 16-0028)		
11 14 13 16-0030	EA				One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel	13,941.97	1,718.57
11 14 13 16-0031	EA				One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Galvanized Steel	15,631.31	1,718.57
11 14 13 16-0032	EA				One-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel	32,368.52	2,564.01
11 14 13 16-0033	EA				One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel	29,854.67	2,564.01
11 14 13 16-0034	EA				One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Galvanized Steel	32,368.52	2,564.01
11 14 13 16-0035					Powder Coated Steel (11 14 13 16-0028)		
11 14 13 16-0036	EA				One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel	15,646.81	1,718.57
11 14 13 16-0037	EA				One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Powder Coated Steel	17,534.53	1,718.57
11 14 13 16-0038	EA				One-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel	43,245.37	2,564.01
11 14 13 16-0039	EA				One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel	32,672.29	2,564.01
11 14 13 16-0040	EA				One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Powder Coated Steel	35,192.35	2,564.01
11 14 13 16-0041					Anodized Aluminum (11 14 13 16-0028)		
11 14 13 16-0042	EA				One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	15,956.78	1,718.57
11 14 13 16-0043	EA				One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	16,917.69	1,718.57
11 14 13 16-0044	EA				One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum	27,921.62	1,718.57
11 14 13 16-0045	EA				One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	33,022.56	2,564.01
11 14 13 16-0046	EA				One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	36,708.10	2,564.01
11 14 13 16-0047	EA				One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum	54,298.90	2,564.01
11 14 13 16-0048					Stainless Steel (11 14 13 16-0028)		
11 14 13 16-0049	EA				One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel	26,182.69	1,718.57
11 14 13 16-0050	EA				One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel	28,011.51	1,718.57
11 14 13 16-0051	EA				One-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel	45,312.87	2,564.01
11 14 13 16-0052	EA				One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel	51,620.76	2,564.01
11 14 13 16-0053	EA				One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel	56,887.15	2,564.01
11 14 13 16-0054					Transparent (11 14 13 16-0028)		
11 14 13 16-0055	EA				One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms	44,421.32	1,718.82
11 14 13 16-0056	EA				One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms	47,012.67	1,718.82
11 14 13 16-0057	EA				One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Panels	48,144.06	1,718.82
11 14 13 16-0058	EA				One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms	79,173.99	2,564.01
11 14 13 16-0059	EA				One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms	84,164.51	2,564.01
11 14 13 16-0060					Electrical, Two-Way (11 14 13 16-0001)		
11 14 13 16-0061					Galvanized Steel (11 14 13 16-0060)		
11 14 13 16-0062	EA				Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel	15,020.67	1,718.57
11 14 13 16-0063	EA				Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Galvanized Steel	16,759.60	1,718.57

			Equipment	11	
			Vehicle and Pedestrian Equipment	11 10	
			Pedestrian Control Equipment	11 14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 14 13 16-0064	EA		Two-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel.....	38,295.15	2,564.01
11 14 13 16-0065	EA		Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel.....	31,779.58	2,564.01
11 14 13 16-0066			Powder Coated Steel (11 14 13 16-0060)		
11 14 13 16-0067	EA		Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel.....	16,592.22	1,718.57
11 14 13 16-0068	EA		Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Powder Coated Steel.....	18,588.42	1,718.57
11 14 13 16-0069	EA		Two-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel.....	44,181.48	2,564.01
11 14 13 16-0070	EA		Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel.....	34,612.71	2,564.01
11 14 13 16-0071			Anodized Aluminum (11 14 13 16-0060)		
11 14 13 16-0072	EA		Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms.....	17,019.98	1,718.57
11 14 13 16-0073	EA		Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Anodized Aluminum With Stainless Steel Arms.....	17,937.49	1,718.57
11 14 13 16-0074	EA		Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum.....	29,158.40	1,718.57
11 14 13 16-0075	EA		Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms.....	35,189.25	2,564.01
11 14 13 16-0076	EA		Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum.....	56,310.61	2,564.01
11 14 13 16-0077			Stainless Steel (11 14 13 16-0060)		
11 14 13 16-0078	EA		Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel.....	27,230.39	1,718.57
11 14 13 16-0079	EA		Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel.....	29,090.21	1,718.57
11 14 13 16-0080	EA		Two-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel.....	46,081.60	2,564.01
11 14 13 16-0081	EA		Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel.....	53,170.61	2,564.01
11 14 13 16-0082	EA		Two-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel.....	59,025.94	2,564.01
11 14 13 16-0083			Transparent (11 14 13 16-0060)		
11 14 13 16-0084	EA		Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms.....	45,320.24	1,718.82
11 14 13 16-0085	EA		Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms.....	47,756.60	1,718.82
11 14 13 16-0086	EA		Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Panels.....	49,154.57	1,718.82
11 14 13 16-0087	EA		Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms.....	81,064.81	2,564.01
11 14 13 16-0088	EA		One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms.....	85,714.36	2,564.01
11 14 13 16-0089			Electrical Options (11 14 13 16-0001)		
11 14 13 16-0090	EA		Additional Set Of Electric Controls, Per Rotor, Add.....	1,032.20	
11 14 13 16-0091	EA		Indicator Lights, Set, Red/Green, Per Controlled Direction, Add.....	725.33	
11 14 13 16-0092	EA		Time-Out-Relay, Per Controlled Direction.....	238.68	
11 14 13 16-0093	EA		Pulse-Relay, Per Controlled Direction.....	238.68	
11 14 13 16-0094	EA		Pushbutton, Per Controlled Direction.....	189.08	
11 14 13 16-0095	EA		Heel Protectors, (Per Heel Protector), Add.....	185.98	
11 14 13 16-0096	EA		Card Reader Mounting Pad, Per Reader.....	170.48	
11 14 13 16-0097	EA		Hydraulic Speed Control (Per Rotor), Add.....	4,330.28	
11 14 13 16-0098			Relocate Rotary Gate (11 14 13 16-0001)		
11 14 13 16-0099	EA		Relocate Rotary Gate.....	5,048.23	
11 14 13 19			Turnstiles (11 14 13)		
11 14 13 19-0001			Turnstiles (11 14 13 19)		
11 14 13 19-0002	EA		24" Diameter Manual Turnstile, Three Arm, Two Way.....	2,871.95	484.63
11 14 13 19-0003	EA		24" Diameter Manual Turnstile, Three Arm, Two Way With Counter.....	3,744.75	484.63
11 14 16			Pedestrian Control Devices (11 14)		
11 14 16 00-0001			Retractable Barrier (11 14 16)		
11 14 16 00-0002	EA		Wall Mounted, Retractable Belt Barrier With Receiver; 6-1/2' (WGB269387BK).....	98.18	20.19
11 14 16 00-0003	EA		Wall Mounted, Retractable Belt Barrier With Receiver; 10' (WGB2093791).....	180.36	20.19
11 14 16 00-0004	EA		Wall Mounted, Retractable Belt Barrier With Receiver; 15' (WGB2093770).....	221.44	20.19
11 14 16 00-0005	EA		Wall Mounted, Retractable Belt Barrier With Receiver; 30' (WGB2093771).....	365.25	20.19
11 20			Commercial Equipment (11)		
11 21			Retail and Service Equipment (11 20)		
11 21 63			Refrigerated Display Equipment (11 21)		
11 21 63 00-0001			Dairy Products (11 21 63)		
11 21 63 00-0002			Refrigerated Dairy Case (11 21 63 00-0001)		
11 21 63 00-0003	LF		Refrigerated Case, Dairy, Multi-Deck..... For Rear Sliding Doors, Add	2,141.67 19.95	372.93
11 21 63 00-0004			Refrigerated Milk Unit (11 21 63 00-0001)		
11 21 63 00-0005	EA		46" x 32" x 49-1/2" Capacity: 12, 13" x 13" x 11" Refrigerated Milk Unit.....	10,790.99	270.78

11	11	Equipment
	11 20	Commercial Equipment
	11 21	Retail and Service Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 21 63 00-0006			Refrigerated Ice Cream And Milk Dispenser (11 21 63 00-0001)		
11 21 63 00-0007	EA		63-1/2" x 28-1/2" x 35-3/8" Refrigerated Ice Cream And Milk Dispenser	11,964.76	297.37
11 21 63 00-0008			Ice Cream Dispenser (11 21 63 00-0001)		
11 21 63 00-0009	EA		46" x 28-1/2" x 35-3/8" Refrigerated Ice Cream Dispenser	9,992.86	250.38
11 21 63 00-0010			Drop-In Ice Cream Freezer (11 21 63 00-0001)		
11 21 63 00-0011	EA		27-7/8" x 16-9/16" x 28-1/4" 6 Gallon Drop-In Ice Cream Freezer	2,492.02	62.31
11 21 63 00-0012	EA		30" x 27-7/8" x 28-1/4" 12 Gallon Drop-In Ice Cream Freezer	3,256.48	81.48
11 21 63 00-0013			Ice Cream Cabinets (11 21 63 00-0001)		
11 21 63 00-0014	EA		46" x 32" x 42", 24 Gallon Ice Cream Cabinet	7,805.30	194.74
11 21 63 00-0015	EA		68" x 32" x 42", 48 Gallon Ice Cream Cabinet	11,118.00	281.04
11 21 63 00-0016			Delicatessen Case, Service Deli (11 21 63)		
11 21 63 00-0017	LF		Delicatessen Case, Single-Deck	2,150.39	310.77
11 21 63 00-0018	LF		Delicatessen Case, Multi-Deck	2,390.47	372.93
11 21 63 00-0019	EA		Delicatessen Case, 3 Shelf, 32" x 23" x 23"	2,886.80	90.48
11 21 63 00-0020			Meat Case (11 21 63)		
11 21 63 00-0021	LF		Meat Case, Single - Deck	1,551.26	372.93
11 21 63 00-0022	LF		Meat Case, Multi - Deck	1,682.63	372.93
11 21 63 00-0023			Produce Case (11 21 63)		
11 21 63 00-0024	LF		Single Deck Produce Case	1,620.25	372.93
11 21 63 00-0025	LF		Multi-Deck Produce Case	1,792.70	372.93
11 21 63 00-0026			Bottle Coolers (11 21 63)		
11 21 63 00-0027	EA		Bottle Cooler, 6' Long	6,061.70	1,243.09
11 21 63 00-0028	EA		Bottle Cooler, 10' Long	9,096.38	1,864.63
11 21 63 00-0029			Cold Pan Units (11 21 63)		
11 21 63 00-0030	EA		5" x 48", Iced, Cold Pan Units	3,994.86	99.16
11 21 63 00-0031	EA		5" x 72", Iced, Cold Pan Units	5,549.97	138.73
11 21 63 00-0032	EA		8" x 72", Iced, Cold Pan Units	6,562.19	164.08
11 21 63 00-0033	EA		5" x 48", Mechanical, Cold Pan Units	6,745.89	169.52
11 21 63 00-0034	EA		8" x 48", Mechanical, Cold Pan Units	7,342.52	182.99
11 21 63 00-0035	EA		8" x 72", Mechanical, Cold Pan Units	8,724.71	216.26
11 21 63 00-0036			Cold Cabinets (Insulated) (11 21 63)		
11 21 63 00-0037	EA		69-3/4" x 32" x 24", Insulated Cold Cabinet	3,628.30	85.81

11 22 Banking Equipment (11 20)

11 22 13 Vault Equipment (11 22)

11 22 13 16 Safes (11 22 13)

11 22 13 16-0001			In Room Safes (11 22 13 16)		
11 22 13 16-0002	EA		8-1/8" x 7-3/16" x 10-3/16" Keypad Operated In Room Electronic Safe (SafeDecisions Sentinel 25)	847.48	12.83
11 22 13 16-0003	EA		8-1/8" x 7-3/16" x 16-5/8" Keypad Operated In Room Electronic Safe (SafeDecisions Sentinel 41)	793.12	12.83
11 22 13 16-0004	EA		8-1/8" x 7-3/16" x 19-13/16" Keypad Operated In Room Electronic Safe (SafeDecisions Sentinel 49)	825.74	12.83
11 22 13 16-0005	EA		8-1/8" x 7-3/16" x 10-3/16" Keypad (Lighted) Operated In Room Electronic Safe (SafeDecisions Infinity 25)	923.58	12.83
			Note: Keypad lights up blue and beeps when buttons pushed. Includes light on inside of safe door.		
11 22 13 16-0006	EA		8-1/8" x 7-3/16" x 16-5/8" Keypad (Lighted) Operated In Room Electronic Safe (SafeDecisions Infinity 41)	956.20	12.83
			Note: Keypad lights up blue and beeps when buttons pushed. Includes light on inside of safe door.		
11 22 13 16-0007	EA		8-1/8" x 7-3/16" x 19-13/16" Keypad (Lighted) Operated In Room Electronic Safe (SafeDecisions Infinity 49)	988.82	12.83
			Note: Keypad lights up blue and beeps when buttons pushed. Includes light on inside of safe door.		
11 22 13 16-0008	EA		7-5/8" x 14" x 10-11/16" Keypad Operated In Drawer Electronic Safe (SafeDecisions X-Tra II-XD 27)	629.44	16.04
			Note: Includes security wire.		
11 22 13 16-0009	EA		7-5/8" x 14" x 17-1/2" Keypad Operated In Drawer Electronic Safe (SafeDecisions X-Tra II-XD 43)	651.18	16.04
			Note: Includes security wire.		
11 22 13 16-0010	EA		7-5/8" x 14" x 20-3/16" Keypad Operated In Drawer Electronic Safe (SafeDecisions X-Tra II-XD 50)	672.93	16.04
			Note: Includes security wire.		

11 28 Office Equipment (11 20)

11 28 13 Computers (11 28)

11 28 13 00-0001 Accessories (11 28 13)

11 28 13 00-0002	EA		32" Wall Track, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AN-KN-020)	1,190.26	58.68
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 28 13 00-0003	EA		32" Wall Track, Universal CPU Holder, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AN-KU-020).....	1,463.57	64.56
11 28 13 00-0004	EA		32" Wall Track, eDesk, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AN-EN-020).....	1,910.55	70.42
11 28 13 00-0005	EA		32" Wall Track, eDesk, Universal CPU Holder, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AN-EU-020).....	2,066.08	76.29
11 28 13 00-0006	EA		32" Wall Track, 18" Extension Arm, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AA-KN-020).....	1,522.74	64.56
11 28 13 00-0007	EA		32" Wall Track, 18" Extension Arm, Universal CPU Holder, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AA-KU-020).....	1,589.66	64.56
11 28 13 00-0008	EA		32" Wall Track, eDesk, 18" Extension Arm, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AA-EN-020).....	2,254.78	82.16
11 28 13 00-0009	EA		32" Wall Track, eDesk, 18" Extension Arm, Universal CPU Holder, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AA-EU-020).....	2,398.57	82.16
11 28 13 00-0010	EA		25" Wall Track, Universal CPU Holder, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (Ergotron 45-271-026).....	1,263.14	64.56
11 28 13 00-0011	EA		37" To 61" Universal Tilt Flat Monitor Wall Mount (Premier Mounts CTM-MS2).....	342.78	64.56
11 28 13 00-0012	EA		32" To 56" Universal Tilt Flat Monitor Wall Mount (Peerless ST650P).....	242.79	64.56

11 30 Residential Equipment ⁽¹¹⁾

11 30 13 Residential Appliances ^(11 30)

11 30 13 13 Residential Kitchen Appliances ^(11 30 13)

Note: Includes standard colors. Excludes stainless steel.

11 30 13 13-0001 Ranges With Ovens ^(11 30 13 13)

Note: Free standing or slide in.

11 30 13 13-0002 Electric Ranges With Ovens ^(11 30 13 13-0001)

11 30 13 13-0003	EA	20" Electric Range With Oven	885.43	89.73
		For Stainless Steel, Add	176.49	
11 30 13 13-0004	EA	24" Electric Range With Oven	925.88	89.73
		For Stainless Steel, Add	186.60	
11 30 13 13-0005	EA	30" Electric Range With Oven	896.83	89.73
		For Stainless Steel, Add	201.78	
11 30 13 13-0006	EA	30" Free-Standing Electric Range With Oven (Hotpoint® RB525DHWW).....	1,007.00	89.73

11 30 13 13-0007 Gas Ranges With Ovens ^(11 30 13 13-0001)

11 30 13 13-0008	EA	20" Gas Range With Oven.....	986.57	89.73
		For Stainless Steel, Add	201.78	
11 30 13 13-0009	EA	24" Gas Range With Oven.....	1,039.16	89.73
		For Stainless Steel, Add	214.92	
11 30 13 13-0010	EA	30" Gas Range With Oven.....	1,087.71	89.73
		For Stainless Steel, Add	227.06	

11 30 13 13-0011 Range Hoods ^(11 30 13 13)

11 30 13 13-0012 Venting Range Hoods ^(11 30 13 13-0011)

11 30 13 13-0013	EA	21" Venting Range Hood (Broan 40000)	293.77	67.31
		For Stainless Steel, Add	23.88	
11 30 13 13-0014	EA	24" Venting Range Hood (Broan 40000)	270.13	67.31
		For Stainless Steel, Add	20.33	
11 30 13 13-0015	EA	30" Venting Range Hood (Broan 40000)	265.98	67.31
		For Stainless Steel, Add	19.71	
11 30 13 13-0016	EA	36" Venting Range Hood (Broan 40000)	270.13	67.31
		For Stainless Steel, Add	20.33	

11 30 13 13-0017 Non-Ducted Range Hoods ^(11 30 13 13-0011)

11 30 13 13-0018	EA	21" Non-Ducted Range Hood (Broan 41000)	296.83	67.31
		For Stainless Steel, Add	24.33	
11 30 13 13-0019	EA	24" Non-Ducted Range Hood (Broan 41000)	273.26	67.31
		For Stainless Steel, Add	20.80	
11 30 13 13-0020	EA	30" Non-Ducted Range Hood (Broan 41000)	269.10	67.31
		For Stainless Steel, Add	20.18	
11 30 13 13-0021	EA	36" Non-Ducted Range Hood (Broan 41000)	273.26	67.31
		For Stainless Steel, Add	20.80	

11 30 13 13-0022 Microwaves ^(11 30 13 13)

11 30 13 13-0023 Countertop Microwaves ^(11 30 13 13-0022)

11 30 13 13-0024	EA	1.1 CF Countertop Microwave Oven.....	188.31	11.22
		For Stainless Steel, Add	24.88	
11 30 13 13-0025	EA	1.2 CF Countertop Microwave Oven.....	224.70	11.22
		For Stainless Steel, Add	30.34	
11 30 13 13-0026	EA	1.3 CF Countertop Microwave Oven.....	230.77	11.22
		For Stainless Steel, Add	31.25	
11 30 13 13-0027	EA	1.4 CF Countertop Microwave Oven.....	283.38	11.22
		For Stainless Steel, Add	39.14	
11 30 13 13-0028	EA	1.5 CF Countertop Microwave Oven.....	303.61	11.22
		For Stainless Steel, Add	42.18	
11 30 13 13-0029	EA	1.6 CF Countertop Microwave Oven.....	323.84	11.22
		For Stainless Steel, Add	45.21	

11 Equipment**11 30 Residential Equipment****11 30 13 Residential Appliances**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
11 30 13 13-0030	EA	1.7 CF Countertop Microwave Oven.....	344.07	11.22	
		<i>For Stainless Steel, Add</i>	48.24		
11 30 13 13-0031	EA	1.8 CF Countertop Microwave Oven.....	364.29	11.22	
		<i>For Stainless Steel, Add</i>	51.28		
11 30 13 13-0032	EA	2.0 CF Countertop Microwave Oven.....	386.52	11.22	
		<i>For Stainless Steel, Add</i>	54.61		
11 30 13 13-0033 Over-The-Range Microwaves (11 30 13 13-0022)					
11 30 13 13-0034	EA	1.5 CF Over-The Range Microwave	651.59	89.72	
		<i>For Stainless Steel, Add</i>	77.55		
11 30 13 13-0035	EA	1.6 CF Over-The Range Microwave	739.40	89.72	
		<i>For Stainless Steel, Add</i>	90.72		
11 30 13 13-0036	EA	1.7 CF Over-The Range Microwave	767.70	89.72	
		<i>For Stainless Steel, Add</i>	94.97		
11 30 13 13-0037	EA	1.8 CF Over-The Range Microwave	980.09	89.72	
		<i>For Stainless Steel, Add</i>	126.83		
11 30 13 13-0038	EA	2.0 CF Over-The Range Microwave	779.85	89.72	
		<i>For Stainless Steel, Add</i>	96.79		
11 30 13 13-0039	EA	1.6 CF Over-the-Range Microwave (Hotpoint® RVM5160DHWW)	505.21	67.30	
11 30 13 13-0040 Trash Compactors (11 30 13 13)					
11 30 13 13-0041	EA	15" Built-In Trash Compactor, 4 To 1 Compaction.....	1,492.27	89.73	
		<i>For Stainless Steel, Add</i>	236.30		
11 30 13 13-0042 Refrigerators (11 30 13 13)					
11 30 13 13-0043 Top Freezer Refrigerators (11 30 13 13-0042)					
11 30 13 13-0044	EA	Up To 10 CF Top Freezer Refrigerator	737.01	44.87	
		<i>For Stainless Steel, Add</i>	97.09		
11 30 13 13-0045	EA	>10 To 12 CF Top Freezer Refrigerator	896.83	44.87	
		<i>For Stainless Steel, Add</i>	121.07		
11 30 13 13-0046	EA	>12 To 14 CF Top Freezer Refrigerator	999.97	44.87	
		<i>For Stainless Steel, Add</i>	136.54		
11 30 13 13-0047	EA	>14 To 16 CF Top Freezer Refrigerator	1,060.65	44.87	
		<i>For Stainless Steel, Add</i>	145.64		
11 30 13 13-0048	EA	>16 To 18 CF Top Freezer Refrigerator	1,222.48	44.87	
		<i>For Stainless Steel, Add</i>	169.91		
11 30 13 13-0049	EA	>18 To 20 CF Top Freezer Refrigerator	1,362.07	44.87	
		<i>For Stainless Steel, Add</i>	190.85		
11 30 13 13-0050	EA	>20 To 22 CF Top Freezer Refrigerator	1,465.21	44.87	
		<i>For Stainless Steel, Add</i>	206.32		
11 30 13 13-0051	EA	14.6 CF, Top-Freezer Refrigerator (Hotpoint® ENERGY STAR® HPE15BTHWW).....	1,362.41	44.87	
11 30 13 13-0052 Side-By-Side Refrigerators (11 30 13 13-0042)					
11 30 13 13-0053	EA	Up To 22 CF Side-By-Side Refrigerator.....	1,505.45	44.87	
		<i>For Stainless Steel, Add</i>	212.36		
11 30 13 13-0054	EA	>22 To 24 CF Side-By-Side Refrigerator.....	1,869.77	44.87	
		<i>For Stainless Steel, Add</i>	267.01		
11 30 13 13-0055	EA	>24 To 26 CF Side-By-Side Refrigerator	2,112.51	44.87	
		<i>For Stainless Steel, Add</i>	303.42		
11 30 13 13-0056 Other Refrigerators (11 30 13 13-0042)					
11 30 13 13-0057	EA	1.7 CF Dormitory Sized Refrigerator.....	243.31	22.44	
		<i>For Stainless Steel, Add</i>	29.77		
11 30 13 13-0058	EA	4.4 CF Dormitory Sized Refrigerator.....	334.33	22.44	
		<i>For Stainless Steel, Add</i>	43.42		
11 30 13 13-0059 Freezers (11 30 13 13)					
11 30 13 13-0060 Upright Freezers (11 30 13 13-0059)					
11 30 13 13-0061	EA	Up To 10 CF Upright Freezer	694.55	44.87	
		<i>For Stainless Steel, Add</i>	90.72		
11 30 13 13-0062	EA	>10 To 12 CF Upright Freezer	896.83	44.87	
		<i>For Stainless Steel, Add</i>	121.07		
11 30 13 13-0063	EA	>12 To 14 CF Upright Freezer	957.51	44.87	
		<i>For Stainless Steel, Add</i>	130.17		
11 30 13 13-0064	EA	>14 To 16 CF Upright Freezer	1,099.11	44.87	
		<i>For Stainless Steel, Add</i>	151.41		
11 30 13 13-0065	EA	>16 To 18 CF Upright Freezer	1,262.93	44.87	
		<i>For Stainless Steel, Add</i>	175.98		
11 30 13 13-0066	EA	>18 To 20 CF Upright Freezer	1,343.87	44.87	
		<i>For Stainless Steel, Add</i>	188.12		
11 30 13 13-0067	EA	>20 To 22 CF Upright Freezer	1,404.53	44.87	
		<i>For Stainless Steel, Add</i>	197.22		
11 30 13 13-0068 Chest Freezers (11 30 13 13-0059)					
11 30 13 13-0069	EA	Up To 8 CF Chest Freezer.....	554.95	44.87	
		<i>For Stainless Steel, Add</i>	69.78		
11 30 13 13-0070	EA	>8 To 10 CF Chest Freezer	696.55	44.87	
		<i>For Stainless Steel, Add</i>	91.02		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 30 13 13-0071	EA	>10 To 12 CF Chest Freezer <i>For Stainless Steel, Add</i>	747.14 98.61	44.87
11 30 13 13-0072	EA	>12 To 14 CF Chest Freezer <i>For Stainless Steel, Add</i>	838.15 112.26	44.87
11 30 13 13-0073	EA	>14 To 16 CF Chest Freezer <i>For Stainless Steel, Add</i>	896.83 121.07	44.87
11 30 13 13-0074	EA	>16 To 18 CF Chest Freezer <i>For Stainless Steel, Add</i>	1,099.11 151.41	44.87
11 30 13 13-0075	EA	>18 To 20 CF Chest Freezer <i>For Stainless Steel, Add</i>	1,362.07 190.85	44.87
11 30 13 13-0076	EA	>20 To 22 CF Chest Freezer <i>For Stainless Steel, Add</i>	1,404.53 197.22	44.87
11 30 13 13-0077 Automatic Ice Makers (11 30 13 13)				
11 30 13 13-0078	EA	15" Wide, 50 Lb. Per Day, Automatic Ice Maker	2,602.78	89.73
11 30 13 13-0079	EA	18" Wide, 50 Lb. Per Day, Automatic Ice Maker	2,906.20	89.73
11 30 13 13-0080 Built-In Dishwashers (11 30 13 13)				
11 30 13 13-0081	EA	18" Built-In Dishwasher <i>For Stainless Steel, Add</i>	1,251.53 160.81	89.73
11 30 13 13-0082	EA	24" Built-In Dishwasher <i>For Stainless Steel, Add</i>	826.75 97.09	89.73
11 30 13 13-0083 Removal And Reinstallation Of Kitchen Equipment (11 30 13 13)				
Note: Includes storage, cleaning and final connections.				
11 30 13 13-0084	EA	Removal And Reinstallation Of Garbage Disposal	134.60	
11 30 13 13-0085	EA	Removal And Reinstallation Of Stove/Range	269.20	
11 30 13 13-0086	EA	Removal And Reinstallation Of Dishwasher	287.15	
11 30 13 13-0087	EA	Removal And Reinstallation Of Range Hood	134.60	
11 30 13 13-0088	EA	Removal And Reinstallation Of Washer And Dryer	224.34	
11 30 13 13-0089 Appliance Repair (11 30 13 13)				
Note: Includes removal.				
11 30 13 13-0090	EA	8" Burner Replacement	32.62	
11 30 13 13-0091	EA	4" Burner Element Replacement	58.05	
11 30 13 13-0092	EA	8" Burner Element Replacement	66.73	
11 30 13 13-0093	EA	Burner Manifold Replacement	221.92	
11 30 13 13-0094	EA	Burner Switch Replacement	91.79	
11 30 13 13-0095	EA	Burner Tube, 5/8" x 4' Replacement	42.10	
11 30 13 13-0096	EA	Oven Control Replacement	110.92	
11 30 13 13-0097	EA	Oven Door Gasket Replacement	43.52	
11 30 13 13-0098	EA	Oven Element Replacement	104.34	
11 30 13 13-0099	EA	Oven Igniter Replacement	75.32	
11 30 13 13-0100	EA	Oven Knobs Replacement	57.72	
11 30 13 13-0101 Accessories (11 30 13 13)				
11 30 13 13-0102	SF	Colored Metal Range Splash Plate	18.89	3.59
11 30 13 13-0103	SF	Stainless Steel Range Splash Plate	28.31	3.59
11 30 13 13-0104 Automatic Water Softener (11 30 13 13)				
11 30 13 13-0105	EA	30,000 Grain Capacity, Water Softener (Whirlpool WHES30)	1,333.13	228.84
11 30 13 13-0106	EA	40,000 Grain Capacity, Water Softener (Whirlpool WHES40)	1,581.61	228.84
11 30 13 23 Residential Laundry Appliances (11 30 13)				
11 30 13 23-0001 Washing Machines And Dryers (11 30 13 23)				
11 30 13 23-0002 Washing Machines (11 30 13 23-0001)				
11 30 13 23-0003	EA	Up To 3.5 CF, Top Load Washing Machine	963.93	89.73
11 30 13 23-0004	EA	>3.5 To 4 CF, Top Load Washing Machine	1,550.54	89.73
11 30 13 23-0005	EA	>4 To 5 CF, Top Load Washing Machine	2,056.24	89.73
11 30 13 23-0006 Dryers (11 30 13 23-0001)				
11 30 13 23-0007 Electric Dryers (11 30 13 23-0006)				
11 30 13 23-0008	EA	Up To 6 CF, Electric Dryer	739.42	89.73
11 30 13 23-0009	EA	>6 To 6.5 CF, Electric Dryer	943.70	89.73
11 30 13 23-0010	EA	>6.5 To 7 CF, Electric Dryer	1,166.21	89.73
11 30 13 23-0011	EA	>7 To 7.5 CF, Electric Dryer	1,328.03	89.73
11 30 13 23-0012 Gas Dryers (11 30 13 23-0006)				
11 30 13 23-0013	EA	Up To 6 CF, Gas Dryer	883.02	89.73
11 30 13 23-0014	EA	>6 To 6.5 CF, Gas Dryer	1,085.30	89.73
11 30 13 23-0015	EA	>6.5 To 7 CF, Gas Dryer	1,287.35	89.73
11 30 13 23-0016	EA	>7 To 7.5 CF, Gas Dryer	1,469.63	89.73

11 Equipment
11 30 Residential Equipment
11 30 33 Retractable Stairs

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

11 30 33 Retractable Stairs (11 30)

11 30 33 00-0001	Disappearing Folding Access Stairs (11 30 33)		
11 30 33 00-0002	250 Lb. Capacity, Wood Folding Access Stairs (11 30 33 00-0001)		
11 30 33 00-0003	EA 22-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 250 Lb. Capacity	878.56	256.78
11 30 33 00-0004	EA 22-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Wood Folding Access Stairs, 250 Lb. Capacity	896.11	256.78
11 30 33 00-0005	EA 25-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 250 Lb. Capacity	896.11	256.78
11 30 33 00-0006	EA 25-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Wood Folding Access Stairs, 250 Lb. Capacity	913.22	256.78
11 30 33 00-0007	350 Lb. Capacity, Wood Folding Access Stairs (11 30 33 00-0001)		
11 30 33 00-0008	EA 22-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 350 Lb. Capacity	1,038.75	256.78
11 30 33 00-0009	EA 22-1/2" x 54" Rough Opening, 8' 9" To 10' 3" Ceiling Height, Wood Folding Access Stairs, 350 Lb. Capacity	1,074.23	256.78
11 30 33 00-0010	EA 25-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 350 Lb. Capacity	1,059.64	256.78
11 30 33 00-0011	EA 25-1/2" x 54" Rough Opening, 8' 9" To 10' 3" Ceiling Height, Wood Folding Access Stairs, 350 Lb. Capacity	1,093.54	256.78
11 30 33 00-0012	EA 30" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 350 Lb. Capacity	1,079.90	256.78
11 30 33 00-0013	EA 30" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Wood Folding Access Stairs, 350 Lb. Capacity	1,138.50	256.78
11 30 33 00-0014	400 Lb. Capacity, Wood One Piece Pull Down Access Stairs (11 30 33 00-0001)		
Note: Ladder width 17 1/16", 1x4 treads, 1x4 stringers. Bessler Stairway Company, Model 20.			
11 30 33 00-0015	EA 24" x 48" Rough Opening, 7' 7" To 7' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 400 Lb. Capacity	2,098.93	256.78
11 30 33 00-0016	EA 24" x 48" Rough Opening, 7' 11" To 8' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 400 Lb. Capacity	2,173.02	256.78
11 30 33 00-0017	EA 24" x 48" Rough Opening, 8' 5" To 8' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 400 Lb. Capacity	2,247.11	256.78
11 30 33 00-0018	EA 24" x 48" Rough Opening, 8' 11" To 9' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 400 Lb. Capacity	2,296.49	256.78
11 30 33 00-0019	600 Lb. Capacity, Wood One Piece Pull Down Access Stairs (11 30 33 00-0001)		
Note: Ladder width 17 1/16", 1x6 treads, 1x6 stringers. Bessler Stairway Company, Model 40.			
11 30 33 00-0020	EA 24" x 66" Rough Opening, 7' 7" To 7' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 600 Lb. Capacity	2,469.36	256.78
For Ladder Width 18 7/8" Wide, Add		274.11	
11 30 33 00-0021	EA 24" x 66" Rough Opening, 7' 11" To 8' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 600 Lb. Capacity	2,518.75	256.78
For Ladder Width 18 7/8" Wide, Add		281.52	
11 30 33 00-0022	EA 24" x 66" Rough Opening, 8' 5" To 8' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 600 Lb. Capacity	2,543.45	256.78
For Ladder Width 18 7/8" Wide, Add		285.23	
11 30 33 00-0023	EA 24" x 66" Rough Opening, 8' 11" To 9' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 600 Lb. Capacity	2,617.53	256.78
For Ladder Width 18 7/8" Wide, Add		296.34	
11 30 33 00-0024	EA 24" x 72" Rough Opening, 9' 5" To 9' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 600 Lb. Capacity	2,780.51	256.78
For Ladder Width 18 7/8" Wide, Add		311.16	
11 30 33 00-0025	EA 24" x 72" Rough Opening, 9' 11" To 10' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 600 Lb. Capacity	2,903.99	256.78
For Ladder Width 18 7/8" Wide, Add		329.68	
11 30 33 00-0026	EA 24" x 72" Rough Opening, 10' 5" To 10' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 600 Lb. Capacity	3,027.46	256.78
For Ladder Width 18 7/8" Wide, Add		348.20	
11 30 33 00-0027	800 Lb. Capacity, Wood One Piece Pull Down Access Stairs (11 30 33 00-0001)		
Note: Ladder width 18 7/8", 1x8 treads, 1x8 stringers. Bessler Stairway Company, Model 100.			
11 30 33 00-0028	EA 30" x 70" Rough Opening, 7' 7" To 7' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 Lb. Capacity	4,607.94	256.78
11 30 33 00-0029	EA 30" x 70" Rough Opening, 7' 11" To 8' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 Lb. Capacity	4,657.33	256.78
11 30 33 00-0030	EA 30" x 70" Rough Opening, 8' 5" To 8' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 Lb. Capacity	4,706.72	256.78
11 30 33 00-0031	EA 30" x 72" Rough Opening, 8' 11" To 9' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 Lb. Capacity	4,830.19	256.78
11 30 33 00-0032	EA 30" x 76" Rough Opening, 9' 5" To 9' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 Lb. Capacity	4,968.47	256.78
11 30 33 00-0033	EA 30" x 80" Rough Opening, 9' 11" To 10' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 Lb. Capacity	5,042.56	256.78
11 30 33 00-0034	EA 30" x 84" Rough Opening, 10' 5" To 10' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 Lb. Capacity	5,166.03	256.78
11 30 33 00-0035	EA 30" x 87" Rough Opening, 10' 11" To 11' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 Lb. Capacity	5,403.10	256.78
11 30 33 00-0036	EA 30" x 90" Rough Opening, 11' 5" To 11' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 Lb. Capacity	5,625.35	256.78
11 30 33 00-0037	EA 30" x 93" Rough Opening, 11' 11" To 12' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 Lb. Capacity	5,897.00	256.78
11 30 33 00-0038	EA 30" x 96" Rough Opening, 12' 5" To 12' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 Lb. Capacity	6,143.94	256.78
11 30 33 00-0039	300 Lb. Capacity, Aluminum Folding Access Stairs (11 30 33 00-0001)		
11 30 33 00-0040	EA 22-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Aluminum Folding Access Stairs, 300 Lb. Capacity	841.97	256.78
11 30 33 00-0041	EA 22-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Aluminum Folding Access Stairs, 300 Lb. Capacity	872.53	256.78
11 30 33 00-0042	EA 25-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Aluminum Folding Access Stairs, 300 Lb. Capacity	850.48	256.78

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 30 33 00-0043	EA	25-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Aluminum Folding Access Stairs, 300 Lb. Capacity	881.03	256.78
11 30 33 00-0044	EA	25-1/2" x 54" Rough Opening, 10' 5" To 12' Ceiling Height, Aluminum Folding Access Stairs, 300 Lb. Capacity	1,051.17	256.78

11 30 33 00-0045 300 Lb. Capacity, Steel Folding Access Stairs (11 30 33 00-0001)

11 30 33 00-0046	EA	22-1/2" x 54" Rough Opening, 7' 3" To 8' 4" Ceiling Height, Steel Folding Access Stairs, 300 Lb. Capacity	924.80	256.78
11 30 33 00-0047	EA	22-1/2" x 54" Rough Opening, 8' 4" To 10' 3" Ceiling Height, Steel Folding Access Stairs, 300 Lb. Capacity	968.46	256.78

11 32 Unit Kitchens (11 30)

11 32 13 Metal Unit Kitchens (11 32)

Note: Includes electrical hook-up to outlet, supply line connection to service stops, and drain line and p-trap. Excludes garbage disposer and hood exhaust vent piping.

11 32 13 00-0001 30" Compact Kitchen (11 32 13)

11 32 13 00-0002	EA	30" Compact Unit Kitchen With Refrigerator, Range And Sink	2,993.26	621.31
		<i>For Gas Unit, Add</i>	324.73	
11 32 13 00-0003	EA	30" Compact Unit Kitchen With Refrigerator And Sink	2,562.28	434.91
11 32 13 00-0004	EA	30" Compact Unit Kitchen With Refrigerator And Range	2,348.94	372.79
11 32 13 00-0005	EA	30" Compact Unit Kitchen Cabinet For Upper Wall Section	741.33	192.51
		<i>For Range Hood In Upper Section, Add</i>	179.00	
11 32 13 00-0006	EA	30" Compact Unit Kitchen Cabinet With Microwave And Hood Combination For Upper Wall Section	1,521.40	256.68
		<i>For Range Hood In Upper Section, Add</i>	179.00	
11 32 13 00-0007	EA	30" Compact Unit Kitchen Stainless Steel Shield For Rear Wall	91.40	17.94
11 32 13 00-0008	EA	30" Compact Unit Kitchen Stainless Steel Shield For Side Wall	81.54	17.94

11 32 13 00-0009 42" Compact Kitchen (11 32 13)

11 32 13 00-0010	EA	42" Compact Unit Kitchen With Refrigerator, Range And Sink	3,492.83	683.44
		<i>For Gas Unit, Add</i>	387.24	
11 32 13 00-0011	EA	42" Compact Unit Kitchen With Refrigerator And Sink	3,161.17	559.17
11 32 13 00-0012	EA	42" Compact Unit Kitchen Cabinet For Upper Wall Section	941.12	218.18
		<i>For Range Hood In Upper Section, Add</i>	179.00	
11 32 13 00-0013	EA	42" Compact Unit Kitchen Cabinet With Microwave And Hood Combination For Upper Wall Section	1,765.21	288.76
		<i>For Range Hood In Upper Section, Add</i>	179.00	
11 32 13 00-0014	EA	42" Compact Unit Kitchen Stainless Steel Shield For Rear Wall	110.94	17.94
11 32 13 00-0015	EA	42" Compact Unit Kitchen Stainless Steel Shield For Side Wall	91.51	17.94

11 32 13 00-0016 54" Compact Kitchen (11 32 13)

11 32 13 00-0017	EA	54" Compact Unit Kitchen With Refrigerator, Oven, Range And Sink	4,738.56	869.84
		<i>For Gas Unit, Add</i>	536.82	
11 32 13 00-0018	EA	54" Compact Unit Kitchen Cabinet For Upper Wall Section	1,166.58	128.34
		<i>For Range Hood In Upper Section, Add</i>	179.00	
11 32 13 00-0019	EA	54" Compact Unit Kitchen Cabinet With Microwave And Hood Combination For Upper Wall Section	1,962.99	320.86
		<i>For Range Hood In Upper Section, Add</i>	179.00	
11 32 13 00-0020	EA	54" Compact Unit Kitchen Stainless Steel Shield For Rear Wall	129.61	17.94
11 32 13 00-0021	EA	54" Compact Unit Kitchen Stainless Steel Shield For Side Wall	94.91	17.94

11 32 13 00-0022 60" Compact Kitchen (11 32 13)

11 32 13 00-0023	EA	60" Compact Unit Kitchen With Refrigerator, Oven, Range, And Sink	4,981.59	931.96
		<i>For Gas Unit, Add</i>	560.85	
11 32 13 00-0024	EA	60" Compact Unit Kitchen Cabinet For Upper Wall Section	1,384.00	320.86
		<i>For Range Hood In Upper Section, Add</i>	179.00	
11 32 13 00-0025	EA	60" Compact Unit Kitchen Stainless Steel Shield For Rear Wall	137.93	17.94
11 32 13 00-0026	EA	60" Compact Unit Kitchen Stainless Steel Shield For Side Wall	94.91	17.94

11 32 13 00-0027 72" Compact Kitchen (11 32 13)

11 32 13 00-0028	EA	72" Compact Unit Kitchen With Refrigerator, Oven, Range And Sink	5,343.39	994.10
		<i>For Gas Unit, Add</i>	602.69	
11 32 13 00-0029	EA	72" Compact Unit Kitchen Cabinet For Upper Wall Section	1,690.49	385.03
		<i>For Range Hood In Upper Section, Add</i>	179.00	
11 32 13 00-0030	EA	72" Compact Unit Kitchen Stainless Steel Shield For Rear Wall	161.43	22.44
11 32 13 00-0031	EA	72" Compact Unit Kitchen Stainless Steel Shield For Side Wall	98.98	22.44

11 40 Foodservice Equipment (11)

11 41 Foodservice Storage Equipment (11 40)

11 41 13 Refrigerated Food Storage Cases (11 41)

11 41 13 00-0001 Frozen Food Cases (11 41 13)

11 41 13 00-0002	LF	Chest Type Frozen Food Case	1,608.06	372.93
11 41 13 00-0003	LF	Reach-In Frozen Food Case (Glass Door)	3,159.43	372.93
11 41 13 00-0004	LF	Island Type Frozen Food Case	1,881.69	372.93
11 41 13 00-0005	LF	Multi-Deck Frozen Food Case	3,027.00	372.93

11 41 13 00-0006 Reach-In Refrigeration (11 41 13)

11 41 13 00-0007 Reach-In Refrigerators (11 41 13 00-0006)

11 41 13 00-0008	EA	Single Section, 24.2 CF, Full Door, Self Contained, Reach-In Refrigerator	6,531.77	168.74
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11 Equipment**11 40 Foodservice Equipment****11 41 Foodservice Storage Equipment**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

11 41 13 00-0009	EA	Two Section, 46.0 CF, Full Door, Self Contained, Reach-In Refrigerator.....	8,042.85	212.83
11 41 13 00-0010	EA	Three Section, 69.1 CF, Full Door, Self Contained, Reach-In Refrigerator.....	10,772.62	235.12
11 41 13 00-0011	EA	Single Section, Glass Door, 24.2 CF, Full Door, Self Contained, Reach-In Refrigerator.....	6,100.60	168.74
11 41 13 00-0012	EA	Two Section, Glass Door, 46.0 CF, Full Door, Self Contained, Reach-In Refrigerator.....	7,939.80	212.83
11 41 13 00-0013	EA	Three Section, Glass Door, 61.1 CF, Full Door, Self Contained, Reach-In Refrigerator.....	10,580.67	235.12
11 41 13 00-0014	EA	Single Section, Pass-Thru, 24.2 CF, Full Door, Self Contained, Reach-In Refrigerator.....	7,864.82	168.74
11 41 13 00-0015	EA	Two Section, Pass-Thru, 46.0 CF, Full Door, Self Contained, Reach-In Refrigerator.....	10,647.32	212.83
11 41 13 00-0016	EA	Single Section, Pass-Thru, Glass Door, 25.6 CF, Full Door, Self Contained, Reach-In Refrigerator.....	8,307.76	168.74
11 41 13 00-0017	EA	Two Section, Pass-Thru, Glass Door, 48.8 CF, Full Door, Self Contained, Reach-In Refrigerator.....	11,983.68	212.83

11 41 13 00-0018 Reach-In Freezers (11 41 13 00-0006)

11 41 13 00-0019	EA	Single Section, 24.2 CF, Full Door, Self Contained, Reach-In Freezer.....	7,358.30	168.94
11 41 13 00-0020	EA	Two Section, 46.0 CF, Full Door, Self Contained, Reach-In Freezer.....	9,763.46	212.52

11 41 23 Walk-In-Coolers (11 41)**11 41 23 00-0001 Walk-In Refrigerated Boxes** (11 41 23)

Note: Overall height includes 4" floor panel and 4" ceiling panel. See CSI section 11 41 23 00-0171 for air cooled condensing units for coolers and freezers, 11 41 23 00-0282 for accessories, 21 13 16 00-0000 for dry-pipe sprinkler heads, 26 50 00 00-0000 for lighting.

11 41 23 00-0002 Walk-In Refrigerated Unit, 7'6" High With Floor (11 41 23 00-0001)

Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 6', 7', 8' and 9' wide.

11 41 23 00-0003	EA	6' x 6' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	20,805.22	1,550.82
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,684.28	
11 41 23 00-0004	EA	6' x 8' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	24,970.95	1,744.67
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,661.18	
11 41 23 00-0005	EA	6' x 10' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	26,353.59	1,938.52
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,942.22	
11 41 23 00-0006	EA	6' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	29,669.17	2,326.22
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,642.30	
11 41 23 00-0007	EA	6' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	34,194.43	2,713.93
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,644.45	
11 41 23 00-0008	EA	6' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	37,696.09	3,101.63
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,389.96	
11 41 23 00-0009	EA	6' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	41,130.39	3,489.34
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-9,119.49	
11 41 23 00-0010	EA	8' x 8' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	27,501.31	1,938.52
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,229.15	
11 41 23 00-0011	EA	8' x 10' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	30,088.11	2,132.37
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,811.43	
11 41 23 00-0012	EA	8' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	33,784.57	2,520.08
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,605.74	
11 41 23 00-0013	EA	8' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	38,786.55	2,907.78
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,727.38	
11 41 23 00-0014	EA	8' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	42,553.23	3,295.48
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-9,540.21	
11 41 23 00-0015	EA	8' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	46,451.81	3,683.18
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-10,385.01	
11 41 23 00-0016	EA	8' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	50,216.29	4,070.89
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-11,197.83	
11 41 23 00-0017	EA	8' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	54,100.09	4,458.59
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-12,038.43	
11 41 23 00-0018	EA	8' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	57,883.58	4,846.30
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-12,855.46	

11 41 23 00-0019 Walk-In Refrigerated Unit, 7'6" High With Floor (11 41 23 00-0001)

Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 10', 11' and 12' wide.

11 41 23 00-0020	EA	10' x 10' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	34,199.46	2,326.22
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,774.87	
11 41 23 00-0021	EA	10' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	38,277.08	2,713.93
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,665.11	
11 41 23 00-0022	EA	10' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	42,549.50	3,101.63
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-9,603.31	

			Equipment	11	
			Foodservice Equipment	11 40	↕
			Foodservice Storage Equipment	11 41	

MINOR		CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0023	EA			10' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	46,562.71	3,489.34
				<i>For Refrigerated Boxes Without Floor, Deduct</i>	-10,477.57	
11 41 23 00-0024	EA			10' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	50,908.63	3,877.04
				<i>For Refrigerated Boxes Without Floor, Deduct</i>	-11,435.96	
11 41 23 00-0025	EA			10' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	54,914.39	4,264.75
				<i>For Refrigerated Boxes Without Floor, Deduct</i>	-12,306.01	
11 41 23 00-0026	EA			10' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	59,277.76	4,652.45
				<i>For Refrigerated Boxes Without Floor, Deduct</i>	-13,269.45	
11 41 23 00-0027	EA			10' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	63,270.04	5,040.15
				<i>For Refrigerated Boxes Without Floor, Deduct</i>	-14,138.65	
11 41 23 00-0028	EA			10' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	67,621.49	5,427.85
				<i>For Refrigerated Boxes Without Floor, Deduct</i>	-15,097.05	
11 41 23 00-0029	EA			10' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	71,639.29	5,815.56
				<i>For Refrigerated Boxes Without Floor, Deduct</i>	-15,971.30	
11 41 23 00-0030	EA			10' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	76,249.37	6,397.12
				<i>For Refrigerated Boxes Without Floor, Deduct</i>	-16,930.54	
11 41 23 00-0031	EA			10' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	80,489.00	6,978.67
				<i>For Refrigerated Boxes Without Floor, Deduct</i>	-17,799.74	
11 41 23 00-0032	EA			12' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	42,371.07	2,907.78
				<i>For Refrigerated Boxes Without Floor, Deduct</i>	-9,623.51	
11 41 23 00-0033	EA			12' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	47,147.47	3,295.48
				<i>For Refrigerated Boxes Without Floor, Deduct</i>	-10,688.77	
11 41 23 00-0034	EA			12' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	51,500.43	3,683.18
				<i>For Refrigerated Boxes Without Floor, Deduct</i>	-11,647.16	
11 41 23 00-0035	EA			12' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	56,254.44	4,070.89
				<i>For Refrigerated Boxes Without Floor, Deduct</i>	-12,707.37	
11 41 23 00-0036	EA			12' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	60,629.64	4,458.59
				<i>For Refrigerated Boxes Without Floor, Deduct</i>	-13,670.82	
11 41 23 00-0037	EA			12' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	65,382.46	4,846.30
				<i>For Refrigerated Boxes Without Floor, Deduct</i>	-14,730.18	
11 41 23 00-0038	EA			12' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	69,727.41	5,234.01
				<i>For Refrigerated Boxes Without Floor, Deduct</i>	-15,688.58	
11 41 23 00-0039	EA			12' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	74,509.63	5,621.71
				<i>For Refrigerated Boxes Without Floor, Deduct</i>	-16,753.84	
11 41 23 00-0040	EA			12' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	78,993.98	6,106.33
				<i>For Refrigerated Boxes Without Floor, Deduct</i>	-17,712.23	
11 41 23 00-0041	EA			12' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	84,009.34	6,687.90
				<i>For Refrigerated Boxes Without Floor, Deduct</i>	-18,772.44	
11 41 23 00-0042	EA			12' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	88,636.15	7,269.45
				<i>For Refrigerated Boxes Without Floor, Deduct</i>	-19,735.89	
11 41 23 00-0043	EA			12' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	93,640.66	7,851.00
				<i>For Refrigerated Boxes Without Floor, Deduct</i>	-20,795.26	
11 41 23 00-0044	EA			12' x 36' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	98,241.56	8,432.57
				<i>For Refrigerated Boxes Without Floor, Deduct</i>	-21,753.65	
11 41 23 00-0045				Walk-In Refrigerated Unit, 7'6" High With Floor (11 41 23 00-0001) Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 13', 14' and 15' wide.		
11 41 23 00-0046	EA			14' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	56,229.13	3,489.34
				<i>For Refrigerated Boxes Without Floor, Deduct</i>	-12,894.17	
11 41 23 00-0047	EA			14' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	61,604.97	3,877.04
				<i>For Refrigerated Boxes Without Floor, Deduct</i>	-14,110.05	
11 41 23 00-0048	EA			14' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	67,448.43	4,264.75
				<i>For Refrigerated Boxes Without Floor, Deduct</i>	-15,439.52	
11 41 23 00-0049	EA			14' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	72,824.88	4,652.45
				<i>For Refrigerated Boxes Without Floor, Deduct</i>	-16,656.23	
11 41 23 00-0050	EA			14' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	78,638.03	5,040.15
				<i>For Refrigerated Boxes Without Floor, Deduct</i>	-17,980.65	
11 41 23 00-0051	EA			14' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	84,042.96	5,427.85
				<i>For Refrigerated Boxes Without Floor, Deduct</i>	-19,202.42	

11 Equipment**11 40 Foodservice Equipment****11 41 Foodservice Storage Equipment**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

11 41 23 00-0052	EA	14' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	89,861.43	5,815.56
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-20,526.84	
11 41 23 00-0053	EA	14' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	95,501.43	6,397.12
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-21,743.56	
11 41 23 00-0054	EA	14' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	101,582.12	6,978.67
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-23,073.02	
11 41 23 00-0055	EA	14' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	107,252.05	7,560.23
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-24,288.90	
11 41 23 00-0056	EA	14' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	113,306.56	8,141.78
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-25,614.16	
11 41 23 00-0057	EA	14' x 36' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	118,971.46	8,626.41
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-26,835.09	

11 41 23 00-0058 Walk-In Refrigerated Unit, 7'6" High With Floor (11 41 23 00-0001)

Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 16', 17' and 18' wide.

11 41 23 00-0059	EA	16' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	67,566.71	4,070.89
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-15,535.44	
11 41 23 00-0060	EA	16' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	73,840.19	4,458.59
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-16,973.45	
11 41 23 00-0061	EA	16' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	79,898.92	4,846.30
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-18,359.30	
11 41 23 00-0062	EA	16' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	86,182.53	5,234.01
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-19,802.36	
11 41 23 00-0063	EA	16' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	92,247.10	5,621.71
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-21,188.21	
11 41 23 00-0064	EA	16' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	98,649.93	6,106.33
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-22,626.22	
11 41 23 00-0065	EA	16' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	104,988.03	6,687.90
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-24,017.12	
11 41 23 00-0066	EA	16' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	111,513.12	7,269.45
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-25,455.13	
11 41 23 00-0067	EA	16' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	117,823.54	7,851.00
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-26,840.98	
11 41 23 00-0068	EA	16' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	124,363.10	8,432.57
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-28,284.04	
11 41 23 00-0069	EA	18' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	79,199.60	4,652.45
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-18,249.91	
11 41 23 00-0070	EA	18' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	85,652.25	5,040.15
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-19,734.21	
11 41 23 00-0071	EA	18' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	92,467.42	5,427.85
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-21,308.53	
11 41 23 00-0072	EA	18' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	98,908.55	5,815.56
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-22,788.62	
11 41 23 00-0073	EA	18' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	105,995.82	6,397.12
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-24,367.15	
11 41 23 00-0074	EA	18' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	112,678.98	6,978.67
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-25,847.24	
11 41 23 00-0075	EA	18' x 30' Walk-in Refrigerated Box, 7' 6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	119,782.71	7,560.23
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-27,421.57	
11 41 23 00-0076	EA	18' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	126,473.36	8,141.78
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-28,905.86	
11 41 23 00-0077	EA	18' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	133,551.87	8,723.34
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-30,480.19	
11 41 23 00-0078	EA	18' x 36' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	140,483.61	9,434.13
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-31,960.27	

11 41 23 00-0079 Walk-In Refrigerated Unit, 8'6" High With Floor (11 41 23 00-0001)

Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 6', 7', 8' and 9' wide.

		Equipment	11	
		Foodservice Equipment	11 40	↕
		Foodservice Storage Equipment	11 41	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0080	EA		6' x 6' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	22,023.62 -4,988.88	1,550.82
11 41 23 00-0081	EA		6' x 8' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	25,442.16 -5,778.99	1,744.67
11 41 23 00-0082	EA		6' x 10' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	27,901.83 -6,329.28	1,938.52
11 41 23 00-0083	EA		6' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	31,446.28 -7,086.58	2,326.22
11 41 23 00-0084	EA		6' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	36,072.52 -8,113.97	2,713.93
11 41 23 00-0085	EA		6' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	39,803.05 -8,916.70	3,101.63
11 41 23 00-0086	EA		6' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	43,338.32 -9,671.47	3,489.34
11 41 23 00-0087	EA		8' x 8' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	29,177.45 -6,648.19	1,938.52
11 41 23 00-0088	EA		8' x 10' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	31,865.22 -7,255.71	2,132.37
11 41 23 00-0089	EA		8' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	35,790.55 -8,107.24	2,520.08
11 41 23 00-0090	EA		8' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	40,893.50 -9,254.12	2,907.78
11 41 23 00-0091	EA		8' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	44,889.05 -10,124.16	3,295.48
11 41 23 00-0092	EA		8' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	48,888.61 -10,994.21	3,683.18
11 41 23 00-0093	EA		8' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	52,881.96 -11,864.25	4,070.89
11 41 23 00-0094	EA		8' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	56,866.74 -12,730.09	4,458.59
11 41 23 00-0095	EA		8' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	60,879.10 -13,604.34	4,846.30
11 41 23 00-0096			Walk-In Refrigerated Unit, 8'6" High With Floor (11 41 23 00-0001) Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 10', 11' and 12' wide.		
11 41 23 00-0097	EA		10' x 10' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	36,077.55 -8,244.39	2,326.22
11 41 23 00-0098	EA		10' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	40,384.04 -9,191.85	2,713.93
11 41 23 00-0099	EA		10' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	44,757.43 -10,155.30	3,101.63
11 41 23 00-0100	EA		10' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	48,999.51 -11,086.77	3,489.34
11 41 23 00-0101	EA		10' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	53,446.40 -12,070.40	3,877.04
11 41 23 00-0102	EA		10' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	57,681.03 -12,997.67	4,264.75
11 41 23 00-0103	EA		10' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	62,145.37 -13,986.35	4,652.45
11 41 23 00-0104	EA		10' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	66,366.53 -14,912.78	5,040.15
11 41 23 00-0105	EA		10' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	70,818.94 -15,896.41	5,427.85
11 41 23 00-0106	EA		10' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	75,065.61 -16,827.88	5,815.56
11 41 23 00-0107	EA		10' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	79,776.67 -17,812.37	6,397.12
11 41 23 00-0108	EA		10' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	84,245.17 -18,738.79	6,881.74

11 Equipment**11 40 Foodservice Equipment****11 41 Foodservice Storage Equipment**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

11 41 23 00-0109	EA	12' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	44,706.89	2,907.78
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-10,207.46	
11 41 23 00-0110	EA	12' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	49,584.27	3,295.48
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-11,297.97	
11 41 23 00-0111	EA	12' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	54,166.10	3,683.18
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-12,313.58	
11 41 23 00-0112	EA	12' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	59,021.08	4,070.89
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-13,399.03	
11 41 23 00-0113	EA	12' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	63,625.15	4,458.59
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-14,419.69	
11 41 23 00-0114	EA	12' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	68,478.95	4,846.30
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-15,504.31	
11 41 23 00-0115	EA	12' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	73,052.76	5,234.01
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-16,519.92	
11 41 23 00-0116	EA	12' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	77,935.96	5,621.71
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-17,610.42	
11 41 23 00-0117	EA	12' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	82,649.18	6,106.33
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-18,626.03	
11 41 23 00-0118	EA	12' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	87,765.51	6,687.90
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-19,711.49	
11 41 23 00-0119	EA	12' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	92,621.19	7,269.45
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-20,732.15	
11 41 23 00-0120	EA	12' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	97,726.68	7,851.00
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-21,816.76	
11 41 23 00-0121	EA	12' x 36' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	102,556.44	8,432.57
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-22,832.37	

11 41 23 00-0122 Walk-In Refrigerated Unit, 8'6" High With Floor (11 41 23 00-0001)

Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 13", 14" and 15' wide.

11 41 23 00-0123	EA	14' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	58,766.90	3,489.34
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-13,528.61	
11 41 23 00-0124	EA	14' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	64,371.61	3,877.04
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-14,801.71	
11 41 23 00-0125	EA	14' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	70,316.04	4,264.75
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-16,156.42	
11 41 23 00-0126	EA	14' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	75,921.37	4,652.45
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-17,430.35	
11 41 23 00-0127	EA	14' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	81,835.49	5,040.15
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-18,780.02	
11 41 23 00-0128	EA	14' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	87,469.29	5,427.85
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-20,059.00	
11 41 23 00-0129	EA	14' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	93,388.73	5,815.56
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-21,408.66	
11 41 23 00-0130	EA	14' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	99,257.60	6,397.12
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-22,682.60	
11 41 23 00-0131	EA	14' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	105,439.27	6,978.67
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-24,037.31	
11 41 23 00-0132	EA	14' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	111,338.06	7,560.23
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-25,310.40	
11 41 23 00-0133	EA	14' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	117,493.55	8,141.78
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-26,660.91	
11 41 23 00-0134	EA	14' x 36' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	123,387.32	8,723.34
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-27,939.05	

11 41 23 00-0135 Walk-In Refrigerated Unit, 8'6" High With Floor (11 41 23 00-0001)

Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 16", 17" and 18' wide.

11 41 23 00-0136	EA	16' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	70,562.22	4,070.89
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-16,284.32	

		Equipment	11
		Foodservice Equipment	11 40
		Foodservice Storage Equipment	11 41

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 41 23 00-0137	EA		16' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	76,936.67	4,458.59
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-17,747.57	
11 41 23 00-0138	EA		16' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	83,224.28	4,846.30
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-19,190.64	
11 41 23 00-0139	EA		16' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	89,608.86	5,234.01
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-20,658.94	
11 41 23 00-0140	EA		16' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	95,902.30	5,621.71
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-22,102.01	
11 41 23 00-0141	EA		16' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	102,406.10	6,106.33
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-23,565.26	
11 41 23 00-0142	EA		16' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	108,973.07	6,687.90
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-25,013.38	
11 41 23 00-0143	EA		16' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	115,599.13	7,269.45
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-26,476.63	
11 41 23 00-0144	EA		16' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	122,138.42	7,851.00
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-27,919.70	
11 41 23 00-0145	EA		16' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	128,778.96	8,432.57
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-29,388.00	
11 41 23 00-0146	EA		18' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	82,397.06	4,652.45
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-19,049.28	
11 41 23 00-0147	EA		18' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	89,078.58	5,040.15
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-20,590.79	
11 41 23 00-0148	EA		18' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	95,994.72	5,427.85
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-22,190.36	
11 41 23 00-0149	EA		18' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	102,664.72	5,815.56
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-23,727.66	
11 41 23 00-0150	EA		18' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	109,852.96	6,397.12
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-25,331.44	
11 41 23 00-0151	EA		18' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	116,765.00	6,978.67
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-26,868.74	
11 41 23 00-0152	EA		18' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	123,969.70	7,560.23
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-28,468.31	
11 41 23 00-0153	EA		18' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	130,889.22	8,141.78
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-30,009.83	
11 41 23 00-0154	EA		18' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	138,068.70	8,723.34
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-31,609.40	
11 41 23 00-0155	EA		18' x 36' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	145,229.31	9,434.13
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-33,146.70	

11 41 23 00-0156 Walk-In Refrigerated Unit Metal Price Add-Ons (11 41 23 00-0001)

11 41 23 00-0157	SF		Metal Price Add-on, 190 Series Embossed White Polyester vs. 24 Gauge Galvalume®.....	1.43	
11 41 23 00-0158	SF		Metal Price Add-ons, 24 Gauge White Polyester vs. 24 Gauge Galvalume®.....	2.65	
11 41 23 00-0159	SF		Metal Price Add-ons, 0.038" Stucco Embossed Aluminum vs. 24 Gauge Galvalume®.....	3.72	
11 41 23 00-0160	SF		Metal Price Add-ons, 22 Gauge Stainless Steel vs. 24 Gauge Galvalume®.....	26.25	
11 41 23 00-0161	SF		Metal Price Add-ons, 20 Gauge Stainless Steel vs. 24 Gauge Galvalume®.....	34.33	
11 41 23 00-0162	SF		Metal Price Add-ons, 24 Gauge Embossed Tan Polyester vs. 24 Gauge Galvalume®.....	4.24	
11 41 23 00-0163	SF		Metal Price Add-ons, 0.040" Embossed White Aluminum vs. 24 Gauge Galvalume®.....	10.41	
11 41 23 00-0164	SF		Metal Price Add-ons, 0.040" Smooth White Aluminum vs. 24 Gauge Galvalume®.....	13.46	
11 41 23 00-0165	SF		Metal Price Add-ons, 24 Gauge Smooth Kynar® Painted vs. 24 Gauge Galvalume®.....	14.14	
11 41 23 00-0166	SF		Metal Price Deducts, 14 GA Galvanized vs. 10 Gauge Smooth Aluminum Interior Floor.....	-18.99	
11 41 23 00-0167	SF		Metal Price Add-ons, 16 GA Stainless Steel Type 430 vs. 10 Gauge Smooth Aluminum Interior Floor.....	7.92	
11 41 23 00-0168	SF		Metal Price Add-ons, 16 GA Stainless Steel Type 304 vs. 10 Gauge Smooth Aluminum Interior Floor.....	20.55	
11 41 23 00-0169	SF		Metal Price Add-ons, 12 GA Rigid Aluminum vs. 10 Gauge Smooth Aluminum Interior Floor.....	18.02	
11 41 23 00-0170	SF		Metal Price Add-ons, 16 GA Rigid Stainless Steel vs. 10 Gauge Smooth Aluminum Interior Floor.....	58.40	

11 41 23 00-0171 Air-Cooled Condensing Units For Walk-In Coolers And Freezers (11 41 23)

11 41 23 00-0172 Medium Temperature Hermetic System, Indoor (11 41 23 00-0171)

Note: Consists of air-cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.

11 41 23 00-0173 208/230 Volt, 1 Phase (11 41 23 00-0172)

Note: Pre-Assembled indoor R404a.

11 41 23 00-0174	EA		1/2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,934.13	171.63
11 41 23 00-0175	EA		3/4 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,207.19	200.24
11 41 23 00-0176	EA		1 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	6,000.32	228.84
11 41 23 00-0177	EA		1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	6,469.60	257.45
11 41 23 00-0178	EA		2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	7,126.62	286.05

11 Equipment**11 40 Foodservice Equipment****11 41 Foodservice Storage Equipment**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

11 41 23 00-0179	EA	3 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	8,005.11	343.26
11 41 23 00-0180	EA	4 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	10,889.17	400.47
11 41 23 00-0181	EA	5 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	11,675.62	457.68
11 41 23 00-0182		208/230 Volt, 3 Phase (11 41 23 00-0172) Note: Pre-Assembled indoor R404a.		
11 41 23 00-0183	EA	1 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	6,008.91	228.84
11 41 23 00-0184	EA	1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	6,469.60	257.45
11 41 23 00-0185	EA	2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	7,203.89	286.05
11 41 23 00-0186	EA	3 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	7,913.13	343.26
11 41 23 00-0187	EA	4 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	10,889.17	400.47
11 41 23 00-0188	EA	5 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	11,568.91	457.68
11 41 23 00-0189		Medium Temperature Hermetic System, Outdoor (11 41 23 00-0171) Note: Consists of air-cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0190		208/230 Volt, 1 Phase (11 41 23 00-0189) Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0191	EA	1/2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,234.55	171.63
11 41 23 00-0192	EA	3/4 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,664.18	200.24
11 41 23 00-0193	EA	1 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,378.47	228.84
11 41 23 00-0194	EA	1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,607.38	257.45
11 41 23 00-0195	EA	2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	6,020.66	286.05
11 41 23 00-0196	EA	3 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	6,860.61	343.26
11 41 23 00-0197	EA	4 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	9,160.59	400.47
11 41 23 00-0198	EA	5 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	9,806.54	457.68
11 41 23 00-0199		208/230 Volt, 3 Phase (11 41 23 00-0189) Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0200	EA	1 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	5,342.77	228.84
11 41 23 00-0201	EA	1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	5,621.85	257.45
11 41 23 00-0202	EA	2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	6,095.92	286.05
11 41 23 00-0203	EA	3 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	6,789.21	343.26
11 41 23 00-0204	EA	4 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	9,182.78	400.47
11 41 23 00-0205	EA	5 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	9,717.78	457.68
11 41 23 00-0206		Low Temperature Hermetic System, Indoor (11 41 23 00-0171) Note: Consists of air-cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0207		208/230 Volt, 1 Phase (11 41 23 00-0206) Note: Pre-Assembled indoor R404a.		
11 41 23 00-0208	EA	1/2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,609.95	171.63
11 41 23 00-0209	EA	3/4 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,813.09	200.24
11 41 23 00-0210	EA	1 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	6,086.18	228.84
11 41 23 00-0211	EA	1-1/2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	6,496.59	257.45
11 41 23 00-0212	EA	2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	7,066.52	286.05
11 41 23 00-0213	EA	3 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	8,342.41	343.26
11 41 23 00-0214		208/230 Volt, 3 Phase (11 41 23 00-0206) Note: Pre-Assembled indoor R404a.		
11 41 23 00-0215	EA	1 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	6,094.77	228.84
11 41 23 00-0216	EA	1-1/2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	6,496.59	257.45
11 41 23 00-0217	EA	2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	7,146.25	286.05
11 41 23 00-0218	EA	3 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	8,254.10	343.26
11 41 23 00-0219		Low Temperature Hermetic System, Outdoor (11 41 23 00-0171) Note: Consists of air-cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0220		208/230 Volt, 1 Phase (11 41 23 00-0219) Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0221	EA	1/2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,982.32	171.63
11 41 23 00-0222	EA	3/4 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,061.70	200.24
11 41 23 00-0223	EA	1 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,338.91	228.84
11 41 23 00-0224	EA	1-1/2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,788.77	257.45
11 41 23 00-0225	EA	2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	6,316.88	286.05
11 41 23 00-0226	EA	3 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	7,114.37	343.26
11 41 23 00-0227		208/230 Volt, 3 Phase (11 41 23 00-0219) Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0228	EA	1 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	5,513.55	228.84
11 41 23 00-0229	EA	1-1/2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	5,874.65	257.45
11 41 23 00-0230	EA	2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	6,386.35	286.05
11 41 23 00-0231	EA	3 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	7,043.93	343.26

		Equipment	11	
		Foodservice Equipment	11 40	
		Foodservice Storage Equipment	11 41	

MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0232	Medium Temperature Semi-Hermetic System, Indoor (11 41 23 00-0171) Note: Consists of air-cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0233	208/230 Volt, 1 Phase (11 41 23 00-0232) Note: Pre-Assembled indoor R404a.		
11 41 23 00-0234	EA 1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	6,371.96	228.84
11 41 23 00-0235	EA 5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	14,604.55	457.68
11 41 23 00-0236	208/230 Volt, 3 Phase (11 41 23 00-0232) Note: Pre-Assembled indoor R404a.		
11 41 23 00-0237	EA 1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	6,376.87	228.84
11 41 23 00-0238	EA 2 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	8,829.03	286.05
11 41 23 00-0239	EA 3 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	11,026.03	343.26
11 41 23 00-0240	EA 5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	14,404.63	457.68
11 41 23 00-0241	Medium Temperature Semi-Hermetic System, Outdoor (11 41 23 00-0171) Note: Consists of air-cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0242	208/230 Volt, 1 Phase (11 41 23 00-0241) Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0243	EA 1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,596.52	228.84
11 41 23 00-0244	EA 5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	13,784.66	457.68
11 41 23 00-0245	208/230 Volt, 3 Phase (11 41 23 00-0241) Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0246	EA 1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	5,606.17	228.84
11 41 23 00-0247	EA 2 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	6,621.77	286.05
11 41 23 00-0248	EA 3 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	9,514.94	343.26
11 41 23 00-0249	EA 5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	12,463.77	457.68
11 41 23 00-0250	Low Temperature Semi-Hermetic System, Indoor (11 41 23 00-0171) Note: Consists of air-cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0251	208/230 Volt, 1 Phase (11 41 23 00-0250) Note: Pre-Assembled indoor R404a.		
11 41 23 00-0252	EA 3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	6,525.70	200.24
11 41 23 00-0253	EA 1 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	6,968.05	228.84
11 41 23 00-0254	EA 1-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	8,179.37	257.45
11 41 23 00-0255	EA 2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	9,479.09	286.05
11 41 23 00-0256	EA 3 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	11,988.85	343.26
11 41 23 00-0257	208/230 Volt, 3 Phase (11 41 23 00-0250) Note: Pre-Assembled indoor R404a.		
11 41 23 00-0258	EA 3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	6,491.36	200.24
11 41 23 00-0259	EA 1 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	6,963.14	228.84
11 41 23 00-0260	EA 1-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	8,132.77	257.45
11 41 23 00-0261	EA 2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	9,398.14	286.05
11 41 23 00-0262	EA 3 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	11,558.34	343.26
11 41 23 00-0263	EA 4 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	16,180.37	400.47
11 41 23 00-0264	EA 6 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	17,043.15	514.89
11 41 23 00-0265	EA 7-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	24,600.94	600.71
11 41 23 00-0266	Low Temperature Semi-Hermetic System, Outdoor (11 41 23 00-0171) Note: Consists of air-cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0267	208/230 Volt, 1 Phase (11 41 23 00-0266) Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0268	EA 3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,742.89	200.24
11 41 23 00-0269	EA 1 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	6,024.92	228.84
11 41 23 00-0270	EA 1-1/2 Low Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	7,008.36	257.45
11 41 23 00-0271	EA 2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	8,049.76	286.05
11 41 23 00-0272	EA 3 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	10,080.35	343.26

11 Equipment**11 40 Foodservice Equipment****11 41 Foodservice Storage Equipment**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

11 41 23 00-0273	208/230 Volt, 3 Phase (11 41 23 00-0266)		
	Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0274	EA 3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	5,657.98	200.24
11 41 23 00-0275	EA 1 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	6,028.78	228.84
11 41 23 00-0276	EA 1-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	6,993.88	257.45
11 41 23 00-0277	EA 2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	7,978.37	286.05
11 41 23 00-0278	EA 3 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	9,774.49	343.26
11 41 23 00-0279	EA 4 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	14,227.07	400.47
11 41 23 00-0280	EA 6 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	15,039.47	514.89
11 41 23 00-0281	EA 7-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	21,133.47	600.71
11 41 23 00-0282	Walk-In Refrigerated Boxes Accessories (11 41 23)		
11 41 23 00-0283	Accessories (11 41 23 00-0282)		
11 41 23 00-0284	EA Super Door Package, For 36" Or 42" Door.....	1,563.03	
	Note: Includes 1/8" diamond-tread on cap and frame (interior and exterior), and 3rd hinge for support.		
11 41 23 00-0285	EA Super Door Package, For 48" Door.....	2,199.16	
	Note: Includes 1/8" diamond-tread on cap and frame (interior and exterior), and 3rd hinge for support.		
11 41 23 00-0286	EA Super Door Package, For 60" Door.....	2,199.16	
	Note: Includes 1/8" diamond-tread on cap and frame (interior and exterior), and 3rd hinge for support.		
11 41 23 00-0287	EA 14" x 24" Observation Window, Heated.....	2,617.19	
11 41 23 00-0288	EA Heated Air Vent, Kason.....	850.17	
11 41 23 00-0289	EA Heated Air Vent, Bally Polyvinyl Chloride (PVC).....	2,213.30	
11 41 23 00-0290	EA Interior Ramps For 36" Or 42" Wide Doors.....	3,326.70	
11 41 23 00-0291	EA Interior Ramps For 48" Wide Doors.....	3,646.44	
11 41 23 00-0292	EA Interior Ramps For 60" Wide Doors.....	4,016.68	
11 41 23 00-0293	EA Exterior Ramps For 36" Or 42" Wide Doors.....	1,287.06	
11 41 23 00-0294	EA Exterior Ramps For 48" Wide Doors.....	2,444.87	
11 41 23 00-0295	EA Exterior Ramps For 60" Wide Doors.....	2,444.87	
11 41 23 00-0296	EA Field Installed Extra Vapor-Proof Lights.....	241.66	
11 41 23 00-0297	EA Field Installed Fluorescent Lights, 48", 2 Tubes.....	1,443.23	
11 41 23 00-0298	EA Alarm With Digital Thermostat Modularm 75 With Adjustable Setting (Flush Mounted).....	3,294.39	
11 41 23 00-0299	EA Alarm With Digital Thermostat Modularm 75B (Battery Backup) (Flush Mounted).....	3,466.04	
11 41 23 00-0300	EA Alarm With Digital Thermostat National TM100 With Adjustable Setting (Flush Mounted).....	1,611.52	
11 41 23 00-0301	EA Locking Devices, 36" Or 42" Wide Locking Bar.....	874.42	
11 41 23 00-0302	EA Locking Devices, 48" Wide Locking Bar.....	1,009.05	
11 41 23 00-0303	EA Locking Devices, 60" Wide Locking Bar.....	1,009.05	
11 41 23 00-0304	EA Locking Devices, Mortise Dead Bolt (Cooler).....	1,857.21	
11 41 23 00-0305	EA Locking Devices, Mortise Dead Bolt (Freezer).....	2,301.49	
11 41 23 00-0306	EA Blast Freezer Kit, For 36" Or 42" Wide Doors.....	3,744.05	
11 41 23 00-0307	EA Blast Freezer Kit, For 48" Wide Doors.....	3,959.46	
11 41 23 00-0308	EA Blast Freezer Kit, For 60" Wide Doors.....	4,073.89	
11 41 23 00-0309	EA Hardware Options, Polished For 36" Or 42" Door.....	185.12	
11 41 23 00-0310	EA Hardware Options, Polished For 48" Or 60" Door.....	151.46	
11 41 23 00-0311	EA Hardware Options, Chrome For 36" Or 42" Door.....	467.84	
11 41 23 00-0312	EA Hardware Options, Chrome For 48" Or 60" Door.....	252.43	
11 41 23 00-0313	EA Hardware Options, Positive Latch, 36" Or 42" Door.....	570.83	
11 41 23 00-0314	EA Hardware Options, Strap Hinges, 36" Or 42" Door.....	409.27	
11 41 23 00-0315	EA 4" Screenshot Door.....	991.53	
11 41 23 00-0316	EA Doors Cut For Tile.....	1,233.87	
11 41 23 00-0317	EA 84" High Doors (36" Wide).....	1,233.87	
11 41 23 00-0318	EA Doors Raised Or Lowered In Panel.....	3,014.34	
11 41 23 00-0319	EA 57-1/2" Door Section.....	732.37	
11 41 23 00-0320	EA 3 Way, Interior And Exterior, Light Switches.....	689.30	
11 41 23 00-0321	EA 3 Way (1 Side Only) Light Switch.....	347.89	
11 41 23 00-0322	EA Structural Support, 5" Reinforcing Ceilings (Every 23").....	653.63	
11 41 23 00-0323	EA Structural Support, 6" Reinforcing Ceilings (Every 23").....	842.11	
11 41 23 00-0324	LF Structural Support, Self-Supporting Standard Angle.....	87.10	
11 41 23 00-0325	LF Structural Support, Self-Supporting 6" Channel.....	114.87	
11 41 23 00-0326	LF Structural Support, Self-Supporting 8" Channel.....	169.56	
11 41 23 00-0327	LF Structural Support, Self-Supporting 10" Channel.....	274.74	
11 41 23 00-0328	LF Structural Support, Suspended Ceiling Support.....	46.51	
11 41 23 00-0329	LF Factory Prepared Opening, Foam Cut Opening.....	8.66	
11 41 23 00-0330	LF Factory Prepared Opening, Metal Capped Opening.....	58.90	
11 41 23 00-0331	LF Factory Prepared Opening, Wood Framed Opening.....	22.47	
11 41 23 00-0332	LF Factory Prepared Opening, Metal Capped Wood Framed Opening.....	90.88	
11 41 23 00-0333	LF Factory Prepared Opening, Opening For Glass Doors (Doors Provided By Others, No Charge For Opening When Glass Door Purchased Through Manufacturer).....	106.73	
11 41 23 00-0334	SF Outdoor Weather Roofs, Aluminum Roof Caps.....	41.07	
11 41 23 00-0335	SF Outdoor Weather Roofs, Membrane Roof Caps.....	18.51	
11 41 23 00-0336	SF Outdoor Weather Roofs, Painted Aluminum Roofs.....	51.01	
11 41 23 00-0337	SF 1/8" Aluminum Tread Plate.....	99.37	
11 41 23 00-0338	SF 3/16" Aluminum Tread Plate.....	120.99	
11 41 23 00-0339	EA Digitemp Display Thermometer (Indoor Exterior Wall).....	714.75	
11 41 23 00-0340	EA 4-1/2" Dial Type Thermometer With 5' Cap Tube.....	637.34	
11 41 23 00-0341	EA 6" Dial Type Thermometer With 5' Cap Tube.....	2,155.29	
11 41 23 00-0342	EA 2" Dial Type Thermometer (Standard).....	193.06	
11 41 23 00-0343	LF Extra Capillary Tubing.....	28.38	

Equipment			11
Foodservice Equipment			11 40
Foodservice Storage Equipment			11 41

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 41 23 00-0344			Partition Wall For Walk-In Refrigerated Boxes (11 41 23 00-0282) Note: Includes 36" x 78" door. Sizes listed as 7'-2"/7'-6" are for either 7'-2" or 7'-6" high refrigerated boxes. Sizes listed as 8'-2"/8'-6" are for either 8'-2" or 8'-6" high refrigerated boxes.		
11 41 23 00-0345	EA		5'-10" Length Partition Wall, 7'-2"/7'-6" High..... Note: Galvalume both sides.	7,789.68	
			<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	383.02	
11 41 23 00-0346	EA		6'-9-1/2" Length Partition Wall, 7'-2"/7'-6" High..... Note: Galvalume both sides.	8,489.47	
			<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	417.69	
11 41 23 00-0347	EA		7'-9" Length Partition Wall, 7'-2"/7'-6" High..... Note: Galvalume both sides.	8,731.53	
			<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	429.47	
11 41 23 00-0348	EA		8'-8-1/2" Length Partition Wall, 7'-2"/7'-6" High..... Note: Galvalume both sides.	9,444.81	
			<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	464.81	
11 41 23 00-0349	EA		9'-8" Length Partition Wall, 7'-2"/7'-6" High..... Note: Galvalume both sides.	9,242.60	
			<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	454.38	
11 41 23 00-0350	EA		10'-7-1/2" Length Partition Wall, 7'-2"/7'-6" High..... Note: Galvalume both sides.	9,939.04	
			<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	488.87	
11 41 23 00-0351	EA		11'-7" Length Partition Wall, 7'-2"/7'-6" High..... Note: Galvalume both sides.	10,147.43	
			<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	498.97	
11 41 23 00-0352	EA		12'-6-1/2" Length Partition Wall, 7'-2"/7'-6" High..... Note: Galvalume both sides.	11,140.06	
			<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	548.28	
11 41 23 00-0353	EA		13'-6" Length Partition Wall, 7'-2"/7'-6" High..... Note: Galvalume both sides.	10,695.52	
			<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	525.73	
11 41 23 00-0354	EA		14'-5-1/2" Length Partition Wall, 7'-2"/7'-6" High..... Note: Galvalume both sides.	11,395.33	
			<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	560.40	
11 41 23 00-0355	EA		15'-5" Length Partition Wall, 7'-2"/7'-6" High..... Note: Galvalume both sides.	11,654.21	
			<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	573.02	
11 41 23 00-0356	EA		16'-4-1/2" Length Partition Wall, 7'-2"/7'-6" High..... Note: Galvalume both sides.	12,357.39	
			<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	607.85	
11 41 23 00-0357	EA		17'-4" Length Partition Wall, 7'-2"/7'-6" High..... Note: Galvalume both sides.	14,255.79	
			<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	702.45	
11 41 23 00-0358	EA		5'-10" Length Partition Wall, 8'-2"/8'-6" High..... Note: Galvalume both sides.	8,509.95	
			<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	419.04	
11 41 23 00-0359	EA		6'-9-1/2" Length Partition Wall, 8'-2"/8'-6" High..... Note: Galvalume both sides.	9,102.03	
			<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	448.32	
11 41 23 00-0360	EA		7'-9" Length Partition Wall, 8'-2"/8'-6" High..... Note: Galvalume both sides.	9,387.85	
			<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	462.29	
11 41 23 00-0361	EA		8'-8-1/2" Length Partition Wall, 8'-2"/8'-6" High..... Note: Galvalume both sides.	10,178.54	
			<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	501.50	
11 41 23 00-0362	EA		9'-8" Length Partition Wall, 8'-2"/8'-6" High..... Note: Galvalume both sides.	9,935.95	
			<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	489.04	
11 41 23 00-0363	EA		10'-7-1/2" Length Partition Wall, 8'-2"/8'-6" High..... Note: Galvalume both sides.	10,723.26	
			<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	528.09	
11 41 23 00-0364	EA		11'-7" Length Partition Wall, 8'-2"/8'-6" High..... Note: Galvalume both sides.	11,012.43	
			<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	542.22	
11 41 23 00-0365	EA		12'-6-1/2" Length Partition Wall, 8'-2"/8'-6" High..... Note: Galvalume both sides.	11,799.74	
			<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	581.26	
11 41 23 00-0366	EA		13'-6" Length Partition Wall, 8'-2"/8'-6" High..... Note: Galvalume both sides.	11,557.15	
			<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	568.81	
11 41 23 00-0367	EA		14'-5-1/2" Length Partition Wall, 8'-2"/8'-6" High..... Note: Galvalume both sides.	12,344.47	
			<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	607.85	
11 41 23 00-0368	EA		15'-5" Length Partition Wall, 8'-2"/8'-6" High..... Note: Galvalume both sides.	12,633.64	
			<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	621.99	
11 41 23 00-0369	EA		16'-4-1/2" Length Partition Wall, 8'-2"/8'-6" High..... Note: Galvalume both sides.	13,420.97	
			<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	661.03	
11 41 23 00-0370	EA		17'-4" Length Partition Wall, 8'-2"/8'-6" High..... Note: Galvalume both sides.	13,178.35	
			<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	648.58	

11 41 23 00-0371			Glass Doors For Walk-In Refrigerated Boxes (11 41 23 00-0282) Note: Factory installed, includes lights and 5 tier shelves.		
11 41 23 00-0372	EA		23" x 67" Glass Door, Displayrite, Coolrite Model.....	3,342.18	
11 41 23 00-0373	EA		23" x 73" Glass Door, Displayrite, Coolrite Model.....	3,651.83	
11 41 23 00-0374	EA		30" x 67" Glass Door, Displayrite, Coolrite Model.....	3,682.12	
11 41 23 00-0375	EA		30" x 73" Glass Door, Displayrite, Coolrite Model.....	4,072.55	

11 Equipment**11 40 Foodservice Equipment****11 41 Foodservice Storage Equipment**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

11 41 23 00-0376	EA	23" x 67" Glass Door, Displayrite, Freezerite Model	4,469.71
11 41 23 00-0377	EA	23" x 73" Glass Door, Displayrite, Freezerite Model	4,752.43
11 41 23 00-0378	EA	30" x 67" Glass Door, Displayrite, Freezerite Model	4,769.26
11 41 23 00-0379	EA	30" x 73" Glass Door, Displayrite, Freezerite Model	5,550.11
11 41 23 00-0380	EA	24" x 67" Glass Door, Anthony Model 101	4,543.76
11 41 23 00-0381	EA	26" x 67" Glass Door, Anthony Model 101	5,627.53
11 41 23 00-0382	EA	30" x 67" Glass Door, Anthony Model 101	6,007.85
11 41 23 00-0383	EA	30x75 Glass Door, Anthony Model 101	6,135.75
11 41 23 00-0384	EA	24" x 67" Glass Door, Anthony Model 101	6,919.97
11 41 23 00-0385	EA	26" x 67" Glass Door, Anthony Model 101	7,680.63
11 41 23 00-0386	EA	30" x 67" Glass Door, Anthony Model 101	7,821.99
11 41 23 00-0387	EA	30" x 75" Glass Door, Anthony Model 101	8,343.68
11 41 23 00-0388	EA	23" x 67" Glass Door, Anthony Model 401	3,587.88
11 41 23 00-0389	EA	26-3/4" x 67" Glass Door, Anthony Model 401	3,779.73
11 41 23 00-0390	EA	30-1/4" x 67" Glass Door, Anthony Model 401	5,082.28
11 41 23 00-0391	EA	30-1/4" x 75" Glass Door, Anthony Model 401	4,358.64
11 41 23 00-0392	EA	23" x 67" Glass Door, Anthony Model 401	4,839.94
11 41 23 00-0393	EA	26-3/4" x 67" Glass Door, Anthony Model 401	5,065.45
11 41 23 00-0394	EA	30-1/4" x 67" Glass Door, Anthony Model 401	5,082.28
11 41 23 00-0395	EA	30-1/4" x 75" Glass Door, Anthony Model 401	6,051.61

11 41 23 00-0396 Modular Wire Shelving For Walk-In Refrigerated Boxes (11 41 23 00-0282)

11 41 23 00-0397	EA	14" x 30" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,133.58
		<i>For Cantilever Shelving, Add</i>	402.00
11 41 23 00-0398	EA	14" x 36" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,193.89
		<i>For Cantilever Shelving, Add</i>	402.00
11 41 23 00-0399	EA	14" x 42" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,334.98
		<i>For Cantilever Shelving, Add</i>	402.00
11 41 23 00-0400	EA	14" x 48" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,408.76
		<i>For Cantilever Shelving, Add</i>	402.00
11 41 23 00-0401	EA	14" x 60" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,529.39
		<i>For Cantilever Shelving, Add</i>	402.00
11 41 23 00-0402	EA	18" x 30" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,315.06
		<i>For Cantilever Shelving, Add</i>	402.00
11 41 23 00-0403	EA	18" x 36" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,345.08
		<i>For Cantilever Shelving, Add</i>	402.00
11 41 23 00-0404	EA	18" x 42" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,489.53
		<i>For Cantilever Shelving, Add</i>	402.00
11 41 23 00-0405	EA	18" x 48" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,556.59
		<i>For Cantilever Shelving, Add</i>	402.00
11 41 23 00-0406	EA	18" x 60" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,781.54
		<i>For Cantilever Shelving, Add</i>	402.00
11 41 23 00-0407	EA	21" x 30" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,435.95
		<i>For Cantilever Shelving, Add</i>	402.00
11 41 23 00-0408	EA	21" x 36" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,449.15
		<i>For Cantilever Shelving, Add</i>	402.00
11 41 23 00-0409	EA	21" x 42" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,660.93
		<i>For Cantilever Shelving, Add</i>	402.00
11 41 23 00-0410	EA	21" x 48" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,667.39
		<i>For Cantilever Shelving, Add</i>	402.00
11 41 23 00-0411	EA	21" x 60" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,925.99
		<i>For Cantilever Shelving, Add</i>	402.00
11 41 23 00-0412	EA	14" x 30" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	958.56
		<i>For Cantilever Shelving, Add</i>	402.00
11 41 23 00-0413	EA	14" x 36" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,005.41
		<i>For Cantilever Shelving, Add</i>	402.00
11 41 23 00-0414	EA	14" x 42" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,106.11
		<i>For Cantilever Shelving, Add</i>	402.00
11 41 23 00-0415	EA	14" x 48" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,126.03
		<i>For Cantilever Shelving, Add</i>	402.00
11 41 23 00-0416	EA	14" x 60" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,287.06
		<i>For Cantilever Shelving, Add</i>	402.00
11 41 23 00-0417	EA	18" x 30" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,059.26
		<i>For Cantilever Shelving, Add</i>	402.00
11 41 23 00-0418	EA	18" x 36" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,136.40
		<i>For Cantilever Shelving, Add</i>	402.00
11 41 23 00-0419	EA	18" x 42" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,203.45
		<i>For Cantilever Shelving, Add</i>	402.00
11 41 23 00-0420	EA	18" x 48" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,216.65
		<i>For Cantilever Shelving, Add</i>	402.00
11 41 23 00-0421	EA	18" x 60" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,441.60
		<i>For Cantilever Shelving, Add</i>	402.00
11 41 23 00-0422	EA	21" x 30" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,166.69
		<i>For Cantilever Shelving, Add</i>	402.00
11 41 23 00-0423	EA	21" x 36" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,210.18
		<i>For Cantilever Shelving, Add</i>	402.00
11 41 23 00-0424	EA	21" x 42" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,300.79
		<i>For Cantilever Shelving, Add</i>	402.00
11 41 23 00-0425	EA	21" x 48" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,347.64
		<i>For Cantilever Shelving, Add</i>	402.00
11 41 23 00-0426	EA	21" x 60" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,579.32
		<i>For Cantilever Shelving, Add</i>	402.00
11 41 23 00-0427	EA	14" x 30" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	2,509.02
		<i>For Cantilever Shelving, Add</i>	402.00
11 41 23 00-0428	EA	14" x 36" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	2,799.84
		<i>For Cantilever Shelving, Add</i>	402.00

			Equipment	11	
			Foodservice Equipment	11 40	
			Foodservice Storage Equipment	11 41	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0429	EA		14" x 42" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	2,855.32 402.00	
11 41 23 00-0430	EA		14" x 48" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	2,910.81 402.00	
11 41 23 00-0431	EA		14" x 60" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	3,521.86 402.00	
11 41 23 00-0432	EA		18" x 30" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	2,633.15 402.00	
11 41 23 00-0433	EA		18" x 36" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	2,796.49 402.00	
11 41 23 00-0434	EA		18" x 42" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	3,097.11 402.00	
11 41 23 00-0435	EA		18" x 48" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	3,221.24 402.00	
11 41 23 00-0436	EA		18" x 60" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	3,940.13 402.00	
11 41 23 00-0437	EA		21" x 30" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	2,845.52 402.00	
11 41 23 00-0438	EA		21" x 36" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	3,106.91 402.00	
11 41 23 00-0439	EA		21" x 42" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	3,407.54 402.00	
11 41 23 00-0440	EA		21" x 48" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	3,531.67 402.00	
11 41 23 00-0441	EA		21" x 60" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	4,485.88 402.00	
11 41 23 00-0442	EA		14" x 30" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	1,334.71 472.00	
11 41 23 00-0443	EA		14" x 36" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	1,442.15 472.00	
11 41 23 00-0444	EA		14" x 42" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	1,566.41 472.00	
11 41 23 00-0445	EA		14" x 48" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	1,680.57 472.00	
11 41 23 00-0446	EA		14" x 60" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	1,821.40 472.00	
11 41 23 00-0447	EA		18" x 30" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	1,593.61 472.00	
11 41 23 00-0448	EA		18" x 36" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	1,630.36 472.00	
11 41 23 00-0449	EA		18" x 42" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	1,805.10 472.00	
11 41 23 00-0450	EA		18" x 48" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	1,892.34 472.00	
11 41 23 00-0451	EA		18" x 60" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	2,167.81 472.00	
11 41 23 00-0452	EA		21" x 30" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	1,741.43 472.00	
11 41 23 00-0453	EA		21" x 36" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	1,795.00 472.00	
11 41 23 00-0454	EA		21" x 42" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	1,993.31 472.00	
11 41 23 00-0455	EA		21" x 48" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	2,033.44 472.00	
11 41 23 00-0456	EA		21" x 60" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	2,342.55 472.00	
11 41 23 00-0457	EA		14" x 30" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	1,122.67 472.00	
11 41 23 00-0458	EA		14" x 36" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	1,179.62 472.00	
11 41 23 00-0459	EA		14" x 42" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	1,303.88 472.00	
11 41 23 00-0460	EA		14" x 48" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	1,327.16 472.00	
11 41 23 00-0461	EA		14" x 60" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	1,525.21 472.00	
11 41 23 00-0462	EA		18" x 30" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	1,277.23 472.00	
11 41 23 00-0463	EA		18" x 36" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	1,367.83 472.00	
11 41 23 00-0464	EA		18" x 42" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	1,569.50 472.00	
11 41 23 00-0465	EA		18" x 48" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	1,549.03 472.00	
11 41 23 00-0466	EA		18" x 60" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	1,736.99 472.00	
11 41 23 00-0467	EA		21" x 30" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	1,408.22 472.00	
11 41 23 00-0468	EA		21" x 36" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	1,461.79 472.00	
11 41 23 00-0469	EA		21" x 42" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	1,575.96 472.00	
11 41 23 00-0470	EA		21" x 48" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	1,629.55 472.00	
11 41 23 00-0471	EA		21" x 60" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	1,918.47 472.00	
11 41 23 00-0472	EA		14" x 30" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	3,062.79 472.00	

11 Equipment**11 40 Foodservice Equipment****11 41 Foodservice Storage Equipment**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

11 41 23 00-0473	EA	14" x 36" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts.....	3,424.70	
		<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0474	EA	14" x 42" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts.....	3,492.44	
		<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0475	EA	14" x 48" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts.....	3,560.18	
		<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0476	EA	14" x 60" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts.....	4,320.76	
		<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0477	EA	18" x 30" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts.....	3,216.34	
		<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0478	EA	18" x 36" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts.....	3,418.90	
		<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0479	EA	18" x 42" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts.....	3,793.05	
		<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0480	EA	18" x 48" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts.....	3,946.59	
		<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0481	EA	18" x 60" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts.....	4,842.00	
		<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0482	EA	21" x 30" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts.....	3,480.19	
		<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0483	EA	21" x 36" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts.....	3,805.31	
		<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0484	EA	21" x 42" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts.....	4,179.47	
		<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0485	EA	21" x 48" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts.....	4,333.01	
		<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0486	EA	21" x 60" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts.....	5,522.58	
		<i>For Cantilever Shelving, Add</i>	472.00	

11 41 31 Non-Refrigerated Storage Equipment (11 41)**11 41 31 00-0001 Wall Cabinets (11 41 31)**

11 41 31 00-0002	EA	48" Wall Cabinet With Sliding Doors.....	2,565.58	100.23
		Note: 15" deep and 24" high.		
11 41 31 00-0003	EA	72" Wall Cabinet With Sliding Doors.....	3,385.22	132.31
		Note: 15" deep and 24" high.		
11 41 31 00-0004	EA	72" Wall Cabinet With Hinged Doors.....	3,885.51	151.69
		Note: 15" deep and 24" high.		
11 41 31 00-0005	EA	72" Wall Cabinet With Open Shelves.....	2,486.68	96.76
		Note: 15" deep and 24" high.		

11 41 31 00-0006 Mobile Sheet Pan Truck (11 41 31)

11 41 31 00-0007	EA	2 Level Mobile Sheet Pan Truck.....	238.22	7.79
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11 41 31 00-0008 Pot And Utensil Rack (11 41 31)

11 41 31 00-0009	EA	70" Bench Type Pot And Utensil Rack.....	694.98	23.74
11 41 31 00-0010	EA	94" Bench Type Pot And Utensil Rack.....	805.46	26.83
11 41 31 00-0011	EA	94" Ceiling Type Pot And Utensil Rack.....	957.58	32.15
11 41 31 00-0012	EA	96" Wall Type Pot And Utensil Rack.....	520.76	17.56

11 41 31 00-0013 Tray And Silverware Cart (11 41 31)

11 41 31 00-0014	EA	33" x 22-1/2" x 42" Tray And Silverware Cart.....	2,403.79	80.13
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11 41 31 00-0015 Flat Top Utility Units (11 41 31)

11 41 31 00-0016	EA	39" x 28-1/2" x 35-3/8" Flat Top Utility Units.....	1,638.92	54.77
11 41 31 00-0017	EA	79-1/2" x 28-1/2" x 35-3/8" Flat Top Utility Units.....	2,196.25	73.20

11 41 33 Foodservice Shelving (11 41)**11 41 33 00-0001 Shelving/Racks (11 41 33)****11 41 33 00-0002 Chrome Shelving Units (11 41 33 00-0001)****11 41 33 00-0003 54" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit (11 41 33 00-0002)**

11 41 33 00-0004	EA	14" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	355.73	36.15
11 41 33 00-0005	EA	14" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	375.96	36.45
11 41 33 00-0006	EA	14" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	401.08	36.75
11 41 33 00-0007	EA	14" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	416.55	37.05
11 41 33 00-0008	EA	14" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	446.42	37.35
11 41 33 00-0009	EA	14" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	471.64	37.65
11 41 33 00-0010	EA	14" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	491.87	37.95
11 41 33 00-0011	EA	14" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	537.23	38.54
11 41 33 00-0012	EA	18" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	390.45	36.45
11 41 33 00-0013	EA	18" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	405.92	36.75
11 41 33 00-0014	EA	18" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	421.42	37.05
11 41 33 00-0015	EA	18" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	465.88	37.35
11 41 33 00-0016	EA	18" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	495.84	37.65
11 41 33 00-0017	EA	18" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	535.43	37.95
11 41 33 00-0018	EA	18" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	550.81	38.24
11 41 33 00-0019	EA	18" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	606.00	38.84
11 41 33 00-0020	EA	21" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	410.79	36.75

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0021	EA	21" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	445.52	37.05
11 41 33 00-0022	EA	21" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	470.75	37.35
11 41 33 00-0023	EA	21" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	500.61	37.65
11 41 33 00-0024	EA	21" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	520.93	37.95
11 41 33 00-0025	EA	21" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	570.27	38.24
11 41 33 00-0026	EA	21" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	595.37	38.54
11 41 33 00-0027	EA	21" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	660.17	39.14
11 41 33 00-0028	EA	24" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	455.35	37.05
11 41 33 00-0029	EA	24" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	475.61	37.35
11 41 33 00-0030	EA	24" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	490.98	37.65
11 41 33 00-0031	EA	24" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	530.66	37.95
11 41 33 00-0032	EA	24" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	555.78	38.24
11 41 33 00-0033	EA	24" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	605.10	38.54
11 41 33 00-0034	EA	24" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	639.83	38.84
11 41 33 00-0035	EA	24" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	724.06	39.44
11 41 33 00-0036	EA	30" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	611.25	37.35
11 41 33 00-0037	EA	30" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	689.51	37.65
11 41 33 00-0038	EA	30" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	738.93	37.95
11 41 33 00-0039	EA	30" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	851.27	38.24
11 41 33 00-0040	EA	36" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	677.73	38.54
11 41 33 00-0041	EA	36" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	751.36	38.84
11 41 33 00-0042	EA	36" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	844.15	39.14
11 41 33 00-0043	EA	36" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	994.38	39.73
11 41 33 00-0044 63" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit (11 41 33 00-0002)				
11 41 33 00-0045	EA	14" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	360.50	36.15
11 41 33 00-0046	EA	14" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	380.72	36.45
11 41 33 00-0047	EA	14" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	405.83	36.75
11 41 33 00-0048	EA	14" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	421.32	37.05
11 41 33 00-0049	EA	14" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	451.19	37.35
11 41 33 00-0050	EA	14" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	476.38	37.65
11 41 33 00-0051	EA	14" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	496.63	37.95
11 41 33 00-0052	EA	14" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	541.97	38.54
11 41 33 00-0053	EA	18" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	395.20	36.45
11 41 33 00-0054	EA	18" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	410.69	36.75
11 41 33 00-0055	EA	18" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	426.19	37.05
11 41 33 00-0056	EA	18" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	470.63	37.35
11 41 33 00-0057	EA	18" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	500.61	37.65
11 41 33 00-0058	EA	18" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	540.17	37.95
11 41 33 00-0059	EA	18" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	555.58	38.24
11 41 33 00-0060	EA	18" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	563.68	38.84
11 41 33 00-0061	EA	21" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	415.56	36.75
11 41 33 00-0062	EA	21" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	450.29	37.05
11 41 33 00-0063	EA	21" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	475.49	37.35
11 41 33 00-0064	EA	21" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	505.35	37.65
11 41 33 00-0065	EA	21" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	525.70	37.95
11 41 33 00-0066	EA	21" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	575.02	38.24
11 41 33 00-0067	EA	21" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	600.13	38.54
11 41 33 00-0068	EA	21" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	664.93	39.14
11 41 33 00-0069	EA	24" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	460.12	37.05
11 41 33 00-0070	EA	24" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	480.36	37.35
11 41 33 00-0071	EA	24" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	495.74	37.65
11 41 33 00-0072	EA	24" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	535.43	37.95
11 41 33 00-0073	EA	24" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	560.54	38.24
11 41 33 00-0074	EA	24" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	609.84	38.54
11 41 33 00-0075	EA	24" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	644.57	38.84
11 41 33 00-0076	EA	24" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	728.82	39.44
11 41 33 00-0077	EA	30" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	615.99	37.35
11 41 33 00-0078	EA	30" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	694.28	37.65
11 41 33 00-0079	EA	30" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	743.67	37.95
11 41 33 00-0080	EA	30" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	856.01	38.24
11 41 33 00-0081	EA	36" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	682.47	38.54
11 41 33 00-0082	EA	36" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	756.10	38.84
11 41 33 00-0083	EA	36" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	848.97	39.14
11 41 33 00-0084	EA	36" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	999.12	39.73
11 41 33 00-0085 66" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit (11 41 33 00-0002)				
11 41 33 00-0086	EA	14" x 24" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	362.98	36.15
11 41 33 00-0087	EA	14" x 30" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	383.21	36.45
11 41 33 00-0088	EA	14" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	408.31	36.75
11 41 33 00-0089	EA	14" x 42" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	423.80	37.05
11 41 33 00-0090	EA	14" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	453.67	37.35
11 41 33 00-0091	EA	14" x 54" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	478.86	37.65
11 41 33 00-0092	EA	14" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	499.12	37.95
11 41 33 00-0093	EA	14" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	544.45	38.54
11 41 33 00-0094	EA	18" x 24" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	397.70	36.45
11 41 33 00-0095	EA	18" x 30" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	413.17	36.75
11 41 33 00-0096	EA	18" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	428.67	37.05
11 41 33 00-0097	EA	18" x 42" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	473.13	37.35
11 41 33 00-0098	EA	18" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	503.09	37.65
11 41 33 00-0099	EA	18" x 54" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	542.65	37.95
11 41 33 00-0100	EA	18" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	558.06	38.24
11 41 33 00-0101	EA	18" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	613.24	38.84

11 Equipment
11 40 Foodservice Equipment
11 41 Foodservice Storage Equipment

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

11 41 33 00-0102	EA	21" x 24" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	418.04	36.75
11 41 33 00-0103	EA	21" x 30" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	452.77	37.05
11 41 33 00-0104	EA	21" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	477.97	37.35
11 41 33 00-0105	EA	21" x 42" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	507.83	37.65
11 41 33 00-0106	EA	21" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	528.18	37.95
11 41 33 00-0107	EA	21" x 54" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	577.50	38.24
11 41 33 00-0108	EA	21" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	602.61	38.54
11 41 33 00-0109	EA	21" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	667.41	39.14
11 41 33 00-0110	EA	24" x 24" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	462.60	37.05
11 41 33 00-0111	EA	24" x 30" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	482.84	37.35
11 41 33 00-0112	EA	24" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	498.23	37.65
11 41 33 00-0113	EA	24" x 42" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	537.91	37.95
11 41 33 00-0114	EA	24" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	563.03	38.24
11 41 33 00-0115	EA	24" x 54" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	612.34	38.54
11 41 33 00-0116	EA	24" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	647.05	38.84
11 41 33 00-0117	EA	24" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	731.30	39.44
11 41 33 00-0118	EA	30" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	618.47	37.35
11 41 33 00-0119	EA	30" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	696.76	37.65
11 41 33 00-0120	EA	30" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	746.18	37.95
11 41 33 00-0121	EA	30" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	858.49	38.24
11 41 33 00-0122	EA	36" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	684.95	38.54
11 41 33 00-0123	EA	36" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	758.58	38.84
11 41 33 00-0124	EA	36" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	851.43	39.14
11 41 33 00-0125	EA	36" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	1,001.60	39.73

11 41 33 00-0126 74" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit (11 41 33 00-0002)

11 41 33 00-0127	EA	14" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	370.20	36.15
11 41 33 00-0128	EA	14" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	390.45	36.45
11 41 33 00-0129	EA	14" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	415.56	36.75
11 41 33 00-0130	EA	14" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	431.05	37.05
11 41 33 00-0131	EA	14" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	460.92	37.35
11 41 33 00-0132	EA	14" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	486.11	37.65
11 41 33 00-0133	EA	14" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	506.36	37.95
11 41 33 00-0134	EA	14" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	551.70	38.54
11 41 33 00-0135	EA	18" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	404.93	36.45
11 41 33 00-0136	EA	18" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	420.42	36.75
11 41 33 00-0137	EA	18" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	435.92	37.05
11 41 33 00-0138	EA	18" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	480.36	37.35
11 41 33 00-0139	EA	18" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	510.31	37.65
11 41 33 00-0140	EA	18" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	549.90	37.95
11 41 33 00-0141	EA	18" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	565.31	38.24
11 41 33 00-0142	EA	18" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	620.47	38.84
11 41 33 00-0143	EA	21" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	425.29	36.75
11 41 33 00-0144	EA	21" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	460.02	37.05
11 41 33 00-0145	EA	21" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	485.22	37.35
11 41 33 00-0146	EA	21" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	515.08	37.65
11 41 33 00-0147	EA	21" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	535.43	37.95
11 41 33 00-0148	EA	21" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	584.75	38.24
11 41 33 00-0149	EA	21" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	609.84	38.54
11 41 33 00-0150	EA	21" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	674.66	39.14
11 41 33 00-0151	EA	24" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	469.85	37.05
11 41 33 00-0152	EA	24" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	490.09	37.35
11 41 33 00-0153	EA	24" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	505.47	37.65
11 41 33 00-0154	EA	24" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	545.14	37.95
11 41 33 00-0155	EA	24" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	570.27	38.24
11 41 33 00-0156	EA	24" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	619.57	38.54
11 41 33 00-0157	EA	24" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	654.30	38.84
11 41 33 00-0158	EA	24" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	738.55	39.44
11 41 33 00-0159	EA	30" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	625.72	37.35
11 41 33 00-0160	EA	30" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	704.01	37.65
11 41 33 00-0161	EA	30" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	753.40	37.95
11 41 33 00-0162	EA	30" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	865.74	38.24
11 41 33 00-0163	EA	36" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	692.20	38.54
11 41 33 00-0164	EA	36" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	765.83	38.84
11 41 33 00-0165	EA	36" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	858.70	39.14
11 41 33 00-0166	EA	36" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	1,008.85	39.73

11 41 33 00-0167 86" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit (11 41 33 00-0002)

11 41 33 00-0168	EA	14" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	389.56	36.15
11 41 33 00-0169	EA	14" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	409.79	36.45
11 41 33 00-0170	EA	14" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	434.89	36.75
11 41 33 00-0171	EA	14" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	450.39	37.05
11 41 33 00-0172	EA	14" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	480.26	37.35
11 41 33 00-0173	EA	14" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	505.47	37.65
11 41 33 00-0174	EA	14" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	525.70	37.95
11 41 33 00-0175	EA	14" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	571.07	38.54
11 41 33 00-0176	EA	18" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	424.29	36.45
11 41 33 00-0177	EA	18" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	439.76	36.75
11 41 33 00-0178	EA	18" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	455.25	37.05
11 41 33 00-0179	EA	18" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	499.72	37.35
11 41 33 00-0180	EA	18" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	529.68	37.65
11 41 33 00-0181	EA	18" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	569.27	37.95
11 41 33 00-0182	EA	18" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	584.65	38.24

MINOR		DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0183	EA	18" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	639.83	38.84	
11 41 33 00-0184	EA	21" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	444.62	36.75	
11 41 33 00-0185	EA	21" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	479.36	37.05	
11 41 33 00-0186	EA	21" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	504.58	37.35	
11 41 33 00-0187	EA	21" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	534.42	37.65	
11 41 33 00-0188	EA	21" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	554.77	37.95	
11 41 33 00-0189	EA	21" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	604.11	38.24	
11 41 33 00-0190	EA	21" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	629.20	38.54	
11 41 33 00-0191	EA	21" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	694.00	39.14	
11 41 33 00-0192	EA	24" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	489.19	37.05	
11 41 33 00-0193	EA	24" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	509.42	37.35	
11 41 33 00-0194	EA	24" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	524.81	37.65	
11 41 33 00-0195	EA	24" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	564.50	37.95	
11 41 33 00-0196	EA	24" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	589.61	38.24	
11 41 33 00-0197	EA	24" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	638.93	38.54	
11 41 33 00-0198	EA	24" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	673.64	38.84	
11 41 33 00-0199	EA	24" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	757.89	39.44	
11 41 33 00-0200	EA	30" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	645.06	37.35	
11 41 33 00-0201	EA	30" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	723.34	37.65	
11 41 33 00-0202	EA	30" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	772.76	37.95	
11 41 33 00-0203	EA	30" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	885.08	38.24	
11 41 33 00-0204	EA	36" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	711.54	38.54	
11 41 33 00-0205	EA	36" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	785.17	38.84	
11 41 33 00-0206	EA	36" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	878.06	39.14	
11 41 33 00-0207	EA	36" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	1,028.19	39.73	
11 41 33 00-0208 96" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit (11 41 33 00-0002)					
11 41 33 00-0209	EA	14" x 24" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	461.02	36.15	
11 41 33 00-0210	EA	14" x 30" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	486.08	36.45	
11 41 33 00-0211	EA	14" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	517.26	36.75	
11 41 33 00-0212	EA	14" x 42" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	536.39	37.05	
11 41 33 00-0213	EA	14" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	573.51	37.35	
11 41 33 00-0214	EA	14" x 54" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	604.79	37.65	
11 41 33 00-0215	EA	14" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	629.86	37.95	
11 41 33 00-0216	EA	14" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	686.11	38.54	
11 41 33 00-0217	EA	18" x 24" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	504.19	36.45	
11 41 33 00-0218	EA	18" x 30" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	523.32	36.75	
11 41 33 00-0219	EA	18" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	542.46	37.05	
11 41 33 00-0220	EA	18" x 42" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	597.81	37.35	
11 41 33 00-0221	EA	18" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	635.04	37.65	
11 41 33 00-0222	EA	18" x 54" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	684.31	37.95	
11 41 33 00-0223	EA	18" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	703.30	38.24	
11 41 33 00-0224	EA	18" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	771.83	38.84	
11 41 33 00-0225	EA	21" x 24" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	529.42	36.75	
11 41 33 00-0226	EA	21" x 30" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	572.61	37.05	
11 41 33 00-0227	EA	21" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	603.90	37.35	
11 41 33 00-0228	EA	21" x 42" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	640.98	37.65	
11 41 33 00-0229	EA	21" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	666.20	37.95	
11 41 33 00-0230	EA	21" x 54" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	727.63	38.24	
11 41 33 00-0231	EA	21" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	758.79	38.54	
11 41 33 00-0232	EA	21" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	839.34	39.14	
11 41 33 00-0233	EA	24" x 24" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	584.89	37.05	
11 41 33 00-0234	EA	24" x 30" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	609.97	37.35	
11 41 33 00-0235	EA	24" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	628.97	37.65	
11 41 33 00-0236	EA	24" x 42" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	678.36	37.95	
11 41 33 00-0237	EA	24" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	709.52	38.24	
11 41 33 00-0238	EA	24" x 54" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	770.93	38.54	
11 41 33 00-0239	EA	24" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	814.11	38.84	
11 41 33 00-0240	EA	24" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	918.98	39.44	
11 41 33 00-0241	EA	30" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	779.51	37.35	
11 41 33 00-0242	EA	30" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	877.13	37.65	
11 41 33 00-0243	EA	30" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	938.67	37.95	
11 41 33 00-0244	EA	30" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	1,078.87	38.24	
11 41 33 00-0245	EA	36" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	861.72	38.54	
11 41 33 00-0246	EA	36" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	953.53	38.84	
11 41 33 00-0247	EA	36" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	1,069.40	39.14	
11 41 33 00-0248	EA	36" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	1,256.62	39.73	
11 41 33 00-0249 Galvanized Shelving Units (11 41 33 00-0001)					
11 41 33 00-0250 54" Height, 4 Tier Open Wire Shelves, Galvanized Shelving Unit (11 41 33 00-0249)					
11 41 33 00-0251	EA	14" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	404.48	36.15	
11 41 33 00-0252	EA	14" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	426.09	36.45	
11 41 33 00-0253	EA	14" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	453.00	36.75	
11 41 33 00-0254	EA	14" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	474.62	37.05	
11 41 33 00-0255	EA	14" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	506.72	37.35	
11 41 33 00-0256	EA	14" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	533.50	37.65	
11 41 33 00-0257	EA	14" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	560.40	37.95	
11 41 33 00-0258	EA	14" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	603.64	38.54	
11 41 33 00-0259	EA	18" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	441.64	36.45	
11 41 33 00-0260	EA	18" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	458.19	36.75	
11 41 33 00-0261	EA	18" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	490.17	37.05	
11 41 33 00-0262	EA	18" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	527.44	37.35	

11 Equipment
11 40 Foodservice Equipment
11 41 Foodservice Storage Equipment

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

11 41 33 00-0263	EA	18" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	559.51	37.65
11 41 33 00-0264	EA	18" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	601.84	37.95
11 41 33 00-0265	EA	18" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	633.96	38.24
11 41 33 00-0266	EA	18" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	682.55	38.84
11 41 33 00-0267	EA	21" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	463.36	36.75
11 41 33 00-0268	EA	21" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	505.82	37.05
11 41 33 00-0269	EA	21" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	532.61	37.35
11 41 33 00-0270	EA	21" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	564.71	37.65
11 41 33 00-0271	EA	21" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	586.32	37.95
11 41 33 00-0272	EA	21" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	644.32	38.24
11 41 33 00-0273	EA	21" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	671.22	38.54
11 41 33 00-0274	EA	21" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	750.83	39.14
11 41 33 00-0275	EA	24" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	516.18	37.05
11 41 33 00-0276	EA	24" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	537.80	37.35
11 41 33 00-0277	EA	24" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	554.35	37.65
11 41 33 00-0278	EA	24" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	596.68	37.95
11 41 33 00-0279	EA	24" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	644.32	38.24
11 41 33 00-0280	EA	24" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	697.10	38.54
11 41 33 00-0281	EA	24" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	739.57	38.84
11 41 33 00-0282	EA	24" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	834.82	39.44

11 41 33 00-0283 63" Height, 4 Tier Open Wire Shelves, Galvanized Shelving Unit (11 41 33 00-0249)

11 41 33 00-0284	EA	14" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	414.84	36.15
11 41 33 00-0285	EA	14" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	436.45	36.45
11 41 33 00-0286	EA	14" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	463.36	36.75
11 41 33 00-0287	EA	14" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	484.98	37.05
11 41 33 00-0288	EA	14" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	517.08	37.35
11 41 33 00-0289	EA	14" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	543.86	37.65
11 41 33 00-0290	EA	14" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	570.76	37.95
11 41 33 00-0291	EA	14" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	614.00	38.54
11 41 33 00-0292	EA	18" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	452.00	36.45
11 41 33 00-0293	EA	18" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	468.55	36.75
11 41 33 00-0294	EA	18" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	500.53	37.05
11 41 33 00-0295	EA	18" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	537.80	37.35
11 41 33 00-0296	EA	18" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	569.87	37.65
11 41 33 00-0297	EA	18" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	612.20	37.95
11 41 33 00-0298	EA	18" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	644.32	38.24
11 41 33 00-0299	EA	18" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	692.84	38.84
11 41 33 00-0300	EA	21" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	473.72	36.75
11 41 33 00-0301	EA	21" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	516.18	37.05
11 41 33 00-0302	EA	21" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	542.97	37.35
11 41 33 00-0303	EA	21" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	575.07	37.65
11 41 33 00-0304	EA	21" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	596.68	37.95
11 41 33 00-0305	EA	21" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	654.68	38.24
11 41 33 00-0306	EA	21" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	681.58	38.54
11 41 33 00-0307	EA	21" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	761.19	39.14
11 41 33 00-0308	EA	24" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	526.54	37.05
11 41 33 00-0309	EA	24" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	548.16	37.35
11 41 33 00-0310	EA	24" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	564.71	37.65
11 41 33 00-0311	EA	24" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	607.04	37.95
11 41 33 00-0312	EA	24" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	654.68	38.24
11 41 33 00-0313	EA	24" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	707.46	38.54
11 41 33 00-0314	EA	24" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	749.93	38.84
11 41 33 00-0315	EA	24" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	845.18	39.44

11 41 33 00-0316 74" Height, 4 Tier Open Wire Shelves, Galvanized Shelving Unit (11 41 33 00-0249)

11 41 33 00-0317	EA	14" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	425.20	36.15
11 41 33 00-0318	EA	14" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	446.81	36.45
11 41 33 00-0319	EA	14" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	473.72	36.75
11 41 33 00-0320	EA	14" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	495.34	37.05
11 41 33 00-0321	EA	14" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	527.44	37.35
11 41 33 00-0322	EA	14" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	554.22	37.65
11 41 33 00-0323	EA	14" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	581.12	37.95
11 41 33 00-0324	EA	14" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	624.36	38.54
11 41 33 00-0325	EA	18" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	462.36	36.45
11 41 33 00-0326	EA	18" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	478.91	36.75
11 41 33 00-0327	EA	18" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	510.89	37.05
11 41 33 00-0328	EA	18" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	548.16	37.35
11 41 33 00-0329	EA	18" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	580.23	37.65
11 41 33 00-0330	EA	18" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	622.56	37.95
11 41 33 00-0331	EA	18" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	654.68	38.24
11 41 33 00-0332	EA	18" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	703.20	38.84
11 41 33 00-0333	EA	21" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	484.08	36.75
11 41 33 00-0334	EA	21" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	526.54	37.05
11 41 33 00-0335	EA	21" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	553.33	37.35
11 41 33 00-0336	EA	21" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	585.43	37.65
11 41 33 00-0337	EA	21" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	607.04	37.95
11 41 33 00-0338	EA	21" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	665.04	38.24
11 41 33 00-0339	EA	21" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	691.94	38.54
11 41 33 00-0340	EA	21" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	771.55	39.14
11 41 33 00-0341	EA	24" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	536.90	37.05
11 41 33 00-0342	EA	24" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	558.52	37.35
11 41 33 00-0343	EA	24" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	575.07	37.65

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0344	EA	24" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	617.40	37.95
11 41 33 00-0345	EA	24" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	665.04	38.24
11 41 33 00-0346	EA	24" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	717.82	38.54
11 41 33 00-0347	EA	24" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	760.29	38.84
11 41 33 00-0348	EA	24" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	855.54	39.44
11 41 33 00-0349 86" Height, 4 Tier Open Wire Shelves, Galvanized Shelving Unit (11 41 33 00-0249)				
11 41 33 00-0350	EA	14" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	451.21	36.15
11 41 33 00-0351	EA	14" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	472.82	36.45
11 41 33 00-0352	EA	14" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	499.73	36.75
11 41 33 00-0353	EA	14" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	521.35	37.05
11 41 33 00-0354	EA	14" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	553.46	37.35
11 41 33 00-0355	EA	14" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	580.23	37.65
11 41 33 00-0356	EA	14" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	607.13	37.95
11 41 33 00-0357	EA	14" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	650.37	38.54
11 41 33 00-0358	EA	18" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	488.37	36.45
11 41 33 00-0359	EA	18" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	504.92	36.75
11 41 33 00-0360	EA	18" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	536.90	37.05
11 41 33 00-0361	EA	18" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	574.18	37.35
11 41 33 00-0362	EA	18" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	606.24	37.65
11 41 33 00-0363	EA	18" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	648.57	37.95
11 41 33 00-0364	EA	18" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	680.69	38.24
11 41 33 00-0365	EA	18" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	729.21	38.84
11 41 33 00-0366	EA	21" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	510.09	36.75
11 41 33 00-0367	EA	21" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	552.56	37.05
11 41 33 00-0368	EA	21" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	579.34	37.35
11 41 33 00-0369	EA	21" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	611.44	37.65
11 41 33 00-0370	EA	21" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	633.05	37.95
11 41 33 00-0371	EA	21" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	691.05	38.24
11 41 33 00-0372	EA	21" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	717.95	38.54
11 41 33 00-0373	EA	21" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	797.56	39.14
11 41 33 00-0374	EA	24" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	562.92	37.05
11 41 33 00-0375	EA	24" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	584.54	37.35
11 41 33 00-0376	EA	24" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	601.08	37.65
11 41 33 00-0377	EA	24" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	643.41	37.95
11 41 33 00-0378	EA	24" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	691.05	38.24
11 41 33 00-0379	EA	24" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	743.83	38.54
11 41 33 00-0380	EA	24" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	786.30	38.84
11 41 33 00-0381	EA	24" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	881.55	39.44
11 41 33 00-0382 54" Height, 4 Tier Solid Shelves, Galvanized Shelving Unit (11 41 33 00-0249)				
11 41 33 00-0383	EA	18" x 36" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	786.09	37.05
11 41 33 00-0384	EA	18" x 48" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	865.78	37.65
11 41 33 00-0385	EA	18" x 60" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	971.41	38.24
11 41 33 00-0386	EA	18" x 72" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	1,035.48	38.84
11 41 33 00-0387	EA	24" x 36" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	860.52	37.65
11 41 33 00-0388	EA	24" x 48" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	997.32	38.24
11 41 33 00-0389	EA	24" x 60" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	1,102.93	38.84
11 41 33 00-0390	EA	24" x 72" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	1,260.44	39.44
11 41 33 00-0391 63" Height, 4 Tier Solid Shelves, Galvanized Shelving Unit (11 41 33 00-0249)				
11 41 33 00-0392	EA	18" x 36" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	796.45	37.05
11 41 33 00-0393	EA	18" x 48" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	876.17	37.65
11 41 33 00-0394	EA	18" x 60" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	981.77	38.24
11 41 33 00-0395	EA	18" x 72" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	1,045.84	38.84
11 41 33 00-0396	EA	24" x 36" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	870.88	37.65
11 41 33 00-0397	EA	24" x 48" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	1,007.68	38.24
11 41 33 00-0398	EA	24" x 60" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	1,113.29	38.84
11 41 33 00-0399	EA	24" x 72" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	1,270.80	39.44
11 41 33 00-0400 74" Height, 4 Tier Solid Shelves, Galvanized Shelving Unit (11 41 33 00-0249)				
11 41 33 00-0401	EA	18" x 36" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	806.81	37.05
11 41 33 00-0402	EA	18" x 48" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	886.53	37.65
11 41 33 00-0403	EA	18" x 60" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	992.15	38.24
11 41 33 00-0404	EA	18" x 72" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	1,056.20	38.84
11 41 33 00-0405	EA	24" x 36" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	881.24	37.65
11 41 33 00-0406	EA	24" x 48" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	1,018.04	38.24
11 41 33 00-0407	EA	24" x 60" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	1,123.65	38.84
11 41 33 00-0408	EA	24" x 72" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	1,281.18	39.44
11 41 33 00-0409 86" Height, 4 Tier Solid Shelves, Galvanized Shelving Unit (11 41 33 00-0249)				
11 41 33 00-0410	EA	18" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	832.82	37.05
11 41 33 00-0411	EA	18" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	912.51	37.65
11 41 33 00-0412	EA	18" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	1,018.14	38.24
11 41 33 00-0413	EA	18" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	1,082.21	38.84
11 41 33 00-0414	EA	24" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	907.25	37.65
11 41 33 00-0415	EA	24" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	1,044.05	38.24
11 41 33 00-0416	EA	24" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	1,149.66	38.84
11 41 33 00-0417	EA	24" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	1,307.17	39.44

11 Equipment
11 40 Foodservice Equipment
11 41 Foodservice Storage Equipment

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

11 41 33 00-0418	Stainless Steel Shelving Unit (11 41 33 00-0001)		
11 41 33 00-0419	63" Height, 4 Tier Open Wire Shelves, Stainless Steel Shelving Unit (11 41 33 00-0418)		
11 41 33 00-0420	EA 18" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	905.19	37.05
11 41 33 00-0421	EA 18" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,056.86	37.65
11 41 33 00-0422	EA 18" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,248.61	38.24
11 41 33 00-0423	EA 18" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,449.44	38.84
11 41 33 00-0424	EA 24" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,069.59	37.65
11 41 33 00-0425	EA 24" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,243.61	38.24
11 41 33 00-0426	EA 24" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,471.78	38.84
11 41 33 00-0427	EA 24" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,773.25	39.44
11 41 33 00-0428	74" Height, 4 Tier Open Wire Shelves, Stainless Steel Shelving Unit (11 41 33 00-0418)		
11 41 33 00-0429	EA 18" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	937.08	37.05
11 41 33 00-0430	EA 18" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,088.75	37.65
11 41 33 00-0431	EA 18" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,285.04	38.24
11 41 33 00-0432	EA 18" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,481.31	38.84
11 41 33 00-0433	EA 24" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,101.48	37.65
11 41 33 00-0434	EA 24" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,275.49	38.24
11 41 33 00-0435	EA 24" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,503.65	38.84
11 41 33 00-0436	EA 24" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,805.14	39.44
11 41 33 00-0437	86" Height, 4 Tier Open Wire Shelves, Stainless Steel Shelving Unit (11 41 33 00-0418)		
11 41 33 00-0438	EA 18" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	968.96	37.05
11 41 33 00-0439	EA 18" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,120.63	37.65
11 41 33 00-0440	EA 18" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,316.92	38.24
11 41 33 00-0441	EA 18" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,513.21	38.84
11 41 33 00-0442	EA 24" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,133.36	37.65
11 41 33 00-0443	EA 24" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,307.38	38.24
11 41 33 00-0444	EA 24" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,535.55	38.84
11 41 33 00-0445	EA 24" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,837.02	39.44
11 41 33 00-0446	63" Height, 4 Tier Solid Shelves, Stainless Steel Shelving Unit (11 41 33 00-0418)		
11 41 33 00-0447	EA 18" x 36" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,684.20	37.05
11 41 33 00-0448	EA 18" x 48" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,864.89	37.65
11 41 33 00-0449	EA 18" x 60" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	2,104.97	38.24
11 41 33 00-0450	EA 18" x 72" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	2,249.74	38.84
11 41 33 00-0451	EA 24" x 36" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	2,023.34	37.65
11 41 33 00-0452	EA 24" x 48" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	2,388.53	38.24
11 41 33 00-0453	EA 24" x 60" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	2,654.71	38.84
11 41 33 00-0454	EA 24" x 72" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	3,053.06	39.44
11 41 33 00-0455	74" Height, 4 Tier Solid Shelves, Stainless Steel Shelving Unit (11 41 33 00-0418)		
11 41 33 00-0456	EA 18" x 36" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,736.10	37.05
11 41 33 00-0457	EA 18" x 48" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,919.94	37.65
11 41 33 00-0458	EA 18" x 60" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	2,164.28	38.24
11 41 33 00-0459	EA 18" x 72" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	2,311.50	38.84
11 41 33 00-0460	EA 24" x 36" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	2,075.27	37.65
11 41 33 00-0461	EA 24" x 48" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	2,440.43	38.24
11 41 33 00-0462	EA 24" x 60" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	2,709.54	38.84
11 41 33 00-0463	EA 24" x 72" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	3,112.36	39.44
11 41 33 00-0464	86" Height, 4 Tier Solid Shelves, Stainless Steel Shelving Unit (11 41 33 00-0418)		
11 41 33 00-0465	EA 18" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,788.02	37.05
11 41 33 00-0466	EA 18" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,970.86	37.65
11 41 33 00-0467	EA 18" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	2,213.91	38.24
11 41 33 00-0468	EA 18" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	2,360.45	38.84
11 41 33 00-0469	EA 24" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	2,127.17	37.65
11 41 33 00-0470	EA 24" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	2,492.35	38.24
11 41 33 00-0471	EA 24" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	2,759.79	38.84
11 41 33 00-0472	EA 24" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	3,160.00	39.44
11 41 33 00-0473	Galvanized Steel Dunnage Rack (11 41 33 00-0001)		
11 41 33 00-0474	EA 18" x 24" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	270.26	26.65
11 41 33 00-0475	EA 18" x 30" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	285.00	27.39
11 41 33 00-0476	EA 18" x 36" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	301.83	28.13
11 41 33 00-0477	EA 18" x 48" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	333.23	28.87
11 41 33 00-0478	EA 18" x 60" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	360.46	29.61
11 41 33 00-0479	EA 24" x 24" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	291.09	26.65
11 41 33 00-0480	EA 24" x 30" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	318.33	27.39
11 41 33 00-0481	EA 24" x 36" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	335.16	28.13
11 41 33 00-0482	EA 24" x 48" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	364.47	28.87
11 41 33 00-0483	EA 24" x 60" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	397.95	29.61

Equipment		11
Foodservice Equipment		11 40
Foodservice Storage Equipment		11 41

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 41 33 00-0484			Stainless Steel Dunnage Rack (11 41 33 00-0001)		
11 41 33 00-0485	EA		18" x 36" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack	735.91	28.13
11 41 33 00-0486	EA		18" x 48" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack	924.18	28.87
11 41 33 00-0487	EA		18" x 60" Open Wire Shelf, 16-1/4" Height, Stainless Steel Dunnage Rack	1,566.43	29.61
11 41 33 00-0488	EA		24" x 36" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack	805.56	28.13
11 41 33 00-0489	EA		24" x 48" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack	1,004.83	28.87
11 41 33 00-0490	EA		24" x 60" Open Wire Shelf, 16-1/4" Height, Stainless Steel Dunnage Rack	1,708.76	29.61

11 41 33 00-0491			Mobile Racks (11 41 33 00-0001)		
11 41 33 00-0492	EA		Mobile Rack With Pan Slide.....	2,042.06	44.86

11 41 33 00-0493			Can Racks (11 41 33 00-0001)		
11 41 33 00-0494	EA		27-1/4" Wide x 42" Deep x 81-1/16" High, Aluminum Frame Can Rack	4,166.61	44.86
			Note: 156 #10 cans capacity		

11 42 Food Preparation Equipment (11 40)

11 42 13 Food Preparation Appliances (11 42)

11 42 13 00-0001			Vertical Cutter Mixers (11 42 13)		
11 42 13 00-0002	EA		Bench Type Mixers, 25 Quart	11,987.28	228.02
11 42 13 00-0003	EA		Bench Type Mixers, 40 Quart	13,854.40	253.36
11 42 13 00-0004	EA		Bench Type Mixers, 80 Quart	17,203.56	364.84
11 42 13 00-0005	EA		Bench Type Mixers, 130 Quart	19,216.41	456.05

11 42 13 00-0006			Choppers (11 42 13)		
11 42 13 00-0007	EA		Choppers, 5 Lb.	3,012.13	202.69
11 42 13 00-0008	EA		Choppers, 16 Lb.	4,419.53	263.50
11 42 13 00-0009	EA		Choppers, 35 LB - 40 Lb./Min, 2 HP	7,100.23	288.12
11 42 13 00-0010	EA		Choppers, 35 LB - 40 Lb./Min, 3 HP	8,055.48	288.12

11 42 13 00-0011			Stand Model Mixer (11 42 13)		
11 42 13 00-0012	EA		10 Quart, 120 Volt, 3/4 HP, Gear-Driven Commercial Planetary Stand Mixer With Guard (Avantco MX10)	1,390.80	102.30
11 42 13 00-0013	EA		20 Quart, 120 Volt, 1-1/2 HP, Gear-Driven Commercial Planetary Stand Mixer With Guard (Avantco MX20)	1,730.20	102.30
11 42 13 00-0014	EA		10 Quart, 120 Volt, 1/3 HP, Gear-Driven Commercial Planetary Stand Mixer With Guard (Globe SP10)	4,567.53	102.30
11 42 13 00-0015	EA		20 Quart, 240 Voltage, 1/2 HP, Gear-Driven Commercial Planetary Stand Mixer With Stainless Steel Bowl Guard (Hobart HL-200-1)	9,627.10	96.28

11 42 13 00-0016			Floor Model Mixer (11 42 13)		
11 42 13 00-0017	EA		30 Quart, 120 Voltage, 1-3/4 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Avantco MX30).....	3,596.86	102.30
11 42 13 00-0018	EA		40 Quart, 240 Voltage, 2 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Avantco MX40).....	4,977.21	113.69
11 42 13 00-0019	EA		60 Quart, 240 Voltage, 2-1/2 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Avantco MX60).....	8,569.24	127.89
11 42 13 00-0020	EA		30 Quart, 240 Voltage, 3/4 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Hobart HL-300-1)	18,320.00	96.28
11 42 13 00-0021	EA		40 Quart, 240 Voltage, 1-1/2 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Hobart HL-400-1)	22,496.32	98.81
11 42 13 00-0022	EA		60 Quart, 220-240 Voltage, 2-3/4 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Hobart HL-600-1)	28,657.14	101.34
11 42 13 00-0023	EA		80 Quart, 220-240 Voltage, 3 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Hobart HL800-1).....	42,325.66	126.68
11 42 13 00-0024	EA		140 Quart, 220-240 Voltage, 5 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Hobart HL-1400-1)	54,216.30	162.15

11 42 13 00-0025			Slicers (11 42 13)		
11 42 13 00-0026	EA		1/3 HP, 12" Manual Gravity Feed Meat Slicer (Avantco SL312).....	692.53	31.97
11 42 13 00-0027	EA		1/2 HP, 12" Manual Gravity Feed Meat Slicer (Avantco SL512).....	1,005.59	31.97
11 42 13 00-0028	EA		1/2 HP, 13" Medium-Duty Manual Gravity Feed Meat Slicer (Avantco SL713MAN).....	1,445.60	31.97
11 42 13 00-0029	EA		1/2 HP, 12" Medium-Duty Automatic Meat Slicer With Manual Use Option (Avantco SL612A).....	2,451.35	31.97
11 42 13 00-0030	EA		3/4 HP, 13" Medium-Duty Automatic Meat Slicer With Manual Use Option (Avantco SL713A).....	2,702.79	31.97
11 42 13 00-0031	EA		1/2 HP, 13" Heavy-Duty Automatic Gravity Feed Meat Slicer (Hobart EDGE13A-11).....	7,043.16	31.97

11 42 13 00-0032			Peelers (11 42 13)		
11 42 13 00-0033	EA		22 Lb. Capacity, 120 Voltage, Potato Peeler (Sammic PI-10)	3,775.50	164.68
11 42 13 00-0034	EA		44 Lb. Capacity, 120 Voltage, Potato Peeler (Sammic PI-20)	4,358.64	192.05
11 42 13 00-0035	EA		66 Lb. Capacity, 120 Voltage, Potato Peeler (Sammic PI-30)	6,773.36	219.61
11 42 13 00-0036	EA		20 Lb. Capacity, 115 Voltage, Potato Peeler (Hobart 6115).....	6,047.81	164.68
11 42 13 00-0037	EA		40 Lb. Capacity, 115 Voltage, Potato Peeler (Hobart 6430-1).....	12,275.85	192.05
11 42 13 00-0038	EA		60 Lb. Capacity, 115 Voltage, Potato Peeler (Hobart 6460-1).....	13,074.63	219.61

11 42 13 00-0039			Proof Boxes (11 42 13)		
11 42 13 00-0040	EA		30-1/2" x 22-1/2", Stainless Steel Proof Box.....	3,214.20	80.13
11 42 13 00-0041	EA		30-1/2" x 45", Stainless Steel Proof Box	5,378.32	134.28

11 Equipment**11 40 Foodservice Equipment****11 42 Food Preparation Equipment**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
11 42 13 00-0042	EA	30-1/2" x 45", Galvanized Proof Box.....	3,341.11		60.96
11 42 13 00-0043		Non-Insulated Heated Proof Cabinet (11 42 13)			
11 42 13 00-0044	EA	Angle Slide 69-3/4", Solid Door Non-Insulated Heated Proof Cabinet.....	2,292.91		76.78
11 42 13 00-0045	EA	Angle Slide 69-3/4", Clear Door Non-Insulated Heated Proof Cabinet.....	2,459.71		82.10
11 42 13 00-0046	EA	Channel Slide 69-3/4", Solid Door Non-Insulated Heated Proof Cabinet.....	2,277.36		76.17
11 42 13 00-0047	EA	Channel Slide 69-3/4", Clear Door Non-Insulated Heated Proof Cabinet.....	2,413.69		80.74
11 42 13 00-0048		Insulated Heated Proof Cabinet (11 42 13)			
11 42 13 00-0049	EA	3 Spacing, 69-3/4" High Solid Door Insulated Heated Proof Cabinet.....	3,754.70		146.83
11 42 13 00-0050	EA	3 Spacing 69-3/4" High Sliding Door Insulated Heated Proof Cabinet.....	3,923.72		153.49
11 42 13 00-0051		Pass-Thru Hot Food Holding Cabinet (11 42 13)			
11 42 13 00-0052	EA	Single Section, Full Door, Pass-Thru Hot Food Holding Cabinet.....	7,720.36		212.83
11 42 13 00-0053	EA	Single Section, Half Door, Pass-Thru Hot Food Holding Cabinet.....	8,216.75		212.83
11 42 13 00-0054	EA	Two Section, Full Door, Pass-Thru Hot Food Holding Cabinet.....	10,502.62		222.95
11 42 13 00-0055	EA	Two Section, Half Door, Pass-Thru Hot Food Holding Cabinet.....	11,516.63		222.95
11 42 16 Food Preparation Surfaces (11 42)					
11 42 16 00-0001		Tables (11 42 16)			
11 42 16 00-0002		Baker's Table (11 42 16 00-0001)			
11 42 16 00-0003	EA	4' Open Base Baker's Table.....	785.79		65.46
11 42 16 00-0004	EA	10' Open Base Baker's Table.....	1,542.22		128.34
11 42 16 00-0005	EA	10' Under Shelf Baker's Table.....	1,902.87		158.37
11 42 16 00-0006	EA	10' Three Drawers Baker's Table.....	2,040.98		170.05
11 42 16 00-0007	EA	10' Bins Baker's Table.....	3,002.84		250.27
11 42 16 00-0008	EA	10' Bins And Drawers Baker's Table.....	4,715.26		392.85
11 42 16 00-0009		Preparation Table, Stainless Steel, With Under Shelf (11 42 16 00-0001)			
11 42 16 00-0010	EA	30" x 72" Square Edge Stainless Steel Preparation Table With Under Shelf.....	1,183.90		34.52
11 42 16 00-0011	EA	30" x 72" Marine Edge Stainless Steel Preparation Table With Under Shelf.....	1,276.51		41.45
11 42 16 00-0012	EA	36" x 96" Marine Edge Stainless Steel Preparation Table With Under Shelf.....	1,928.50		56.34
11 42 16 00-0013		Preparation Table, Stainless Steel, With Open Front (11 42 16 00-0001)			
11 42 16 00-0014	EA	30" X 72" Round Edge Stainless Steel Preparation Table With Open Front.....	1,246.58		36.32
11 42 16 00-0015	EA	36" X 96" Round Edge Stainless Steel Preparation Table With Open Front.....	1,602.21		46.71
11 42 16 00-0016	EA	36" X 96" Square Edge Stainless Steel Preparation Table With Open Front.....	1,376.29		40.17
11 42 16 00-0017	EA	36" X 96" Marine Edge Stainless Steel Preparation Table With Open Front.....	1,656.61		48.38
11 42 16 00-0018	EA	Roller Utility Drawers Stainless Steel Preparation Table With Open Front.....	334.66		9.75
11 42 16 00-0019		Mobile Tables (11 42 16 00-0001)			
11 42 16 00-0020	EA	21-1/4" x 27-1/2" x 41" Galvanized Mobile Table With Galvanized Top.....	3,204.07		30.93
11 42 16 00-0021	EA	32-1/4" x 27-1/2" x 41" Galvanized Mobile Table With Galvanized Top.....	1,733.71		37.09
11 42 16 00-0022	EA	32-1/4" x 27-1/2" x 41" Stainless Steel Mobile Table With Stainless Steel Top.....	1,426.55		41.71
11 42 16 00-0023		Hot Food Tables, Stainless Steel, Gas Or Electric (11 42 16 00-0001)			
11 42 16 00-0024	EA	32-1/4" x 27-1/2" x 41" Stainless Steel Hot Food Tables.....	2,547.78		74.44
11 42 16 00-0025	EA	32-1/4" x 27-1/2" x 21" Stainless Steel Hot Food Tables.....	2,066.56		60.32
11 42 16 00-0026	EA	Full Size Pan With Cover Stainless Steel Hot Food Tables.....	171.53		5.01
11 42 16 00-0027	EA	Set Of Three 1/3 Size With Cover Stainless Steel Hot Food Tables.....	250.96		7.31
11 42 16 00-0028	EA	58-1/2", 4 Openings Stainless Steel Hot Food Tables.....	5,017.40		125.50
11 42 16 00-0029	EA	114-1/2", 8 Openings Stainless Steel Hot Food Tables.....	9,981.86		250.38
11 42 16 00-0030		Basic Table (11 42 16 00-0001)			
11 42 16 00-0031	LF	Table, Basic.....	262.53		24.94
11 42 16 00-0032		Table With Sink (11 42 16)			
11 42 16 00-0033	LF	Table With Sink.....	339.18		47.72
11 42 23 Food Preparation Scullery Sinks (11 42)					
11 42 23 00-0001		Stainless Steel Scullery Sinks (11 42 23)			
Note: Excludes faucet. See CSI section 22 42 39 00-0072 for service sink faucets.					
11 42 23 00-0002	EA	Stainless Steel Scullery Sink, Single 30" x 24" x 12" Compartment And Drain Board.....	2,687.54		200.24
For Additional Drain Board, Add			245.87		
11 42 23 00-0003	EA	Stainless Steel Scullery Sink, Double 30" x 24" x 12" Compartment And Drain Board.....	3,805.80		228.84
For Additional Drain Board, Add			351.98		
11 42 23 00-0004	EA	Stainless Steel Scullery Sink, Triple 30" x 24" x 12" Compartment And Drain Board.....	5,045.55		228.84
For Additional Drain Board, Add			470.23		
11 42 23 00-0005	EA	Stainless Steel Scullery Sink, Quad 30" x 24" x 12" Compartment And Drain Board.....	7,207.01		228.84
For Additional Drain Board, Add			674.93		

			Equipment	11	
			Foodservice Equipment	11 40	≡
			Food Preparation Equipment	11 42	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

11 42 23 00-0006	EA	Stainless Steel Pot Sink, Double 20" x 20" x 18" Compartment And Drain Board	4,459.83	228.84
11 42 23 00-0007	EA	33-1/2" Wide x 66" Long, Stainless Steel Scullery Sink, Triple Compartment	7,780.42	436.04
Note: 6" backsplash with 45-degree return angle, rolled edges. Separated tubs to maintain water temperature.				
11 42 23 00-0008	EA	33" Wide x 99" Long, Stainless Steel Scullery Sink, Triple Compartment	7,639.70	443.38
Note: With left and right table drain board extensions and 6" backsplash with 45-degree return angle, rolled edges. Separated tubs to maintain water temperature.				
11 42 23 00-0009	EA	33-1/2" Wide x 82-1/2" Long, Stainless Steel Scullery Sink, Triple Compartment	7,314.12	443.38
Note: With left or right table drain board extensions and 6" backsplash with 45-degree return angle, rolled edges. Separated tubs to maintain water temperature.				
11 42 23 00-0010	EA	23-1/2" Wide x 21" Long, Stainless Steel Scullery Sink, Single Compartment	3,840.46	243.25
Note: 6" backsplash with 45-degree return angle, rolled edges.				
11 42 23 00-0011	EA	23-1/2" Wide x 36-1/2" Long, Stainless Steel Scullery Sink, Single Compartment	4,138.45	243.25
Note: With left or right 18" table drain board extension and 6" backsplash with 45-degree return angle, rolled edges.				
11 42 23 00-0012	EA	23-1/2" Wide x 42-1/2" Long, Stainless Steel Scullery Sink, Single Compartment	4,317.80	243.25
Note: With left or right 24" table drain board extension and 6" backsplash with 45-degree return angle, rolled edges.				

11 44 Food Cooking Equipment ^(11 40)

11 44 13 Commercial Ranges ^(11 44)

11 44 13 00-0001 Range ^(11 44 13)

11 44 13 00-0002	EA	Heavy-Duty Range, With 34" Open Top Oven.....	3,396.43	101.34
11 44 13 00-0003	EA	Range With Fry Top.....	3,396.43	101.34
11 44 13 00-0004	EA	Steel Finish Fry Top.....	7,320.17	150.72
11 44 13 00-0005	EA	Stainless Top Only Fry Top	7,317.40	149.00
11 44 13 00-0006	EA	Stainless Top And 2 Sides Fry Top	8,455.07	173.48
11 44 13 00-0007	EA	6 Burner Gas Range (Vulcan #260L).....	7,620.44	154.56
Note: Six 12" burners, open top sections, porcelain on steel aeration plates and grates. 24" griddle/broiler, two 26-1/4" x 22" x 14-1/2" ovens porcelain on steel liner and aluminized steel construction, nickel-plated oven racks.				
11 44 13 00-0008	EA	48" Range With Casters (Vulcan 48C-4B24GN).....	15,527.39	89.73

11 44 16 Commercial Ovens ^(11 44)

11 44 16 00-0001 Bake Oven ^(11 44 16)

11 44 16 00-0002	EA	55", 208 Voltage, 1 Phase, Single Deck Electric Bake Oven (Bakers Pride EB-1-8-3836).....	19,226.97	445.79
11 44 16 00-0003	EA	55", 208 Voltage, 3 Phase, Single Deck Electric Bake Oven (Bakers Pride EB-1-8-3836).....	19,226.97	445.79
11 44 16 00-0004	EA	74", 208 Voltage, 1 Phase, Single Deck Electric Bake Oven (Bakers Pride EB-1-8-5736).....	26,005.09	445.79
11 44 16 00-0005	EA	74", 208 Voltage, 3 Phase, Single Deck Electric Bake Oven (Bakers Pride EB-1-8-5736).....	26,005.09	445.79
11 44 16 00-0006	EA	55", 208 Voltage, 1 Phase, Double Deck Electric Bake Oven (Bakers Pride EB-2-8-3836).....	37,090.05	509.47
11 44 16 00-0007	EA	55", 208 Voltage, 3 Phase, Double Deck Electric Bake Oven (Bakers Pride EB-2-8-3836).....	37,090.05	509.47
11 44 16 00-0008	EA	74", 208 Voltage, 1 Phase, Double Deck Electric Bake Oven (Bakers Pride EB-2-8-7436).....	54,176.66	509.47
11 44 16 00-0009	EA	74", 208 Voltage, 3 Phase, Double Deck Electric Bake Oven (Bakers Pride EB-2-8-7436).....	54,176.66	509.47
11 44 16 00-0010	EA	55", 208 Voltage, 1 Phase, Triple Deck Electric Bake Oven (Bakers Pride EB-3-8-3836).....	58,914.14	636.84
11 44 16 00-0011	EA	55", 208 Voltage, 3 Phase, Triple Deck Electric Bake Oven (Bakers Pride EB-3-8-3836).....	58,914.14	636.84
11 44 16 00-0012	EA	74", 208 Voltage, 1 Phase, Triple Deck Electric Bake Oven (Bakers Pride EB-3-8-7436).....	82,781.18	636.84
11 44 16 00-0013	EA	74", 208 Voltage, 3 Phase, Triple Deck Electric Bake Oven (Bakers Pride EB-3-8-7436).....	82,781.18	636.84

11 44 16 00-0014 Rapid-Cook Countertop Bake Ovens ^(11 44 16)

11 44 16 00-0015	EA	6,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Digital Control, Stainless Steel Countertop Oven (TurboChef ECS-9500-1)	9,385.07	22.44
11 44 16 00-0016	EA	800 To 2,200 Watts, 208/240 Volt, Rapid Cook Type, Touchscreen Control, Stainless Steel Classic Countertop Oven (MerryChef E1SM)	5,567.94	22.44
11 44 16 00-0017	EA	4,700 Watts, 208/240 Volt, 1.2 CF, Rapid Cook Type, Touchscreen Control, Stainless Steel Countertop Oven (MerryChef E3-1330-H)	4,384.99	22.44
11 44 16 00-0018	EA	800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touch Screen Controls, Stainless Steel Countertop High-Speed Oven (TurboChef ECO-9500-1).....	6,687.49	22.44
11 44 16 00-0019	EA	800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touch Screen Controls, Stainless Steel Countertop Oven, Black (TurboChef ECO-9500-5).....	6,960.31	22.44
11 44 16 00-0020	EA	800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touch Screen Controls, Stainless Steel Countertop Oven, Red (TurboChef ECO-9500-2).....	6,960.31	22.44
11 44 16 00-0021	EA	800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Blue (TurboChef ECO-9500).....	6,960.31	22.44
11 44 16 00-0022	EA	800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Green (TurboChef ECO-9500).....	6,960.31	22.44
11 44 16 00-0023	EA	800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven, White (TurboChef ECO-9500)	6,960.31	22.44
11 44 16 00-0024	EA	1,600 To 1,700 Watts, 208/240 Volt, 1.05 CF, Rapid Cook Type, Touch Screen Controls, Stainless Steel Countertop Oven (TurboChef NGC-1280-1).....	12,952.04	22.44
11 44 16 00-0025	EA	6,200 Watts, 208/240 Volt, 1.304 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (MerryChef E4S).....	12,007.94	22.44
11 44 16 00-0026	EA	4,600 Watts, 208/240 Volt, 1.2 CF, Accelerated Cook Type, Digital Controls, Stainless Steel Jetwave Ventless Countertop Oven (Amana JET19V).....	6,412.42	22.44
11 44 16 00-0027	EA	3,200 Watts, 208/240 Volt, 1.2 CF, Accelerated Cook Type, Digital Controls, Stainless Steel Jetwave Countertop Oven (Amana JET14).....	5,240.79	22.44
11 44 16 00-0028	EA	4,600 Watts, 208/240 Volt, 1.2 CF, Accelerated Cook Type, Digital Controls, Stainless Steel Countertop Oven (Amana JET19)	5,699.25	22.44
11 44 16 00-0029	EA	6,200 Watts, 208/240 Volt, 0.78 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef ENC-9600-601)	13,631.24	22.44
11 44 16 00-0030	EA	5,700 Watts, 208/240 Volt, 1.38 CF, Accelerated Cook Type, Digital Controls, Stainless Steel Countertop Oven With Teflon® Coating And Touch Screen Display (Amana MXP22TLT)	12,168.69	22.44
11 44 16 00-0031	EA	1,000 To 2,200 Watts, 208/240 Volt, 0.58 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (MerryChef E2S STANDARD CLASSIC)	8,510.03	22.44

11 Equipment**11 40 Foodservice Equipment****11 44 Food Cooking Equipment**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

11 44 16 00-0032	EA	9,500 To 11,500 Watts, 208/240 Volt, 2.2 CF, 1 Phase, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven (TurboChef i5).....	17,130.29	22.44
11 44 16 00-0033	EA	9,500 To 11,500 Watts, 208/240 Volt, 2.2 CF, 3 Phase, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven (TurboChef i5).....	17,130.29	22.44
11 44 16 00-0034	EA	9,500 To 11,500 Watts, 208/240 Volt, 2.2 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef i5 Touch).....	17,764.21	22.44
11 44 16 00-0035	EA	11,500 Watts, 208/240 Volt, 2.2 CF, 3 Phase, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef i5-9500-414-DL).....	17,764.21	22.44
11 44 16 00-0036	EA	1,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (Amana MRX1).....	9,417.90	22.44
11 44 16 00-0037	EA	5,000 Watts, 208/240 Volt, 1.45 CF, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven (TurboChef HHB-8603-1).....	9,385.07	22.44
11 44 16 00-0038	EA	6,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef I1-9500-400).....	11,448.73	22.44
11 44 16 00-0039	EA	4,000 To 4,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Countertop Oven (TurboChef I1-9500-104).....	9,972.59	22.44
11 44 16 00-0040	EA	6,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen, Countertop Oven With Panini Press (TurboChef PANINI).....	11,143.09	22.44
11 44 16 00-0041	EA	6,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touch Screen Controls, Stainless Steel Countertop Oven With Panini Press (TurboChef PANINI TOUCH).....	11,685.32	22.44
11 44 16 00-0042	EA	4,000 To 4,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven With Touch Controls (TurboChef SOTA SNGL MAG TOUCH).....	10,346.15	22.44
11 44 16 00-0043	EA	6,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef WATERLESS STEAMER).....	12,578.47	22.44
11 44 16 00-0044	EA	6,200 Watts, 208/240 Volt, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef WATERLESS STEAMER TCH).....	13,138.82	22.44
11 44 16 00-0045	EA	2,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (Amana MRX2).....	9,927.31	22.44
11 44 16 00-0046	EA	2,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Black (Amana MRX1 BLACK).....	9,531.10	22.44
11 44 16 00-0047	EA	2,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Red (Amana MRX1 RED).....	9,531.10	22.44
11 44 16 00-0048	EA	1,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Black (Amana MRX2 BLACK).....	10,040.51	22.44
11 44 16 00-0049	EA	1,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Red (Amana MRX2 RED).....	10,040.51	22.44
11 44 16 00-0050	EA	4,000 To 4,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Powder Coated, Countertop Oven (TurboChef I1-9500-1).....	10,911.02	22.44
11 44 16 00-0051	EA	8,300 To 9,600 Watts, 208/240 Volt, 1.14 CF, 1 Phase, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven (TurboChef i3).....	14,619.49	22.44
11 44 16 00-0052	EA	8,600 To 9,900 Watts, 208/240 Volt, 1.14 CF, 3 Phase, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven (TurboChef i3).....	14,619.49	22.44
11 44 16 00-0053	EA	8,300 To 9,600 Watts, 208/240 Volt, 1.14 CF, 1 Phase, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef i3 Touch).....	15,230.77	22.44
11 44 16 00-0054	EA	8,600 To 9,900 Watts, 208/240 Volt, 1.14 CF, 3 Phase, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef i3 Touch).....	15,230.77	22.44
11 44 16 00-0055	EA	10,720/12,480 Watts, 208/240 Volt, 1.18 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Double Batch Ventless Countertop Oven (TurboChef HHD-9500-1).....	13,703.69	22.44
11 44 16 00-0056	EA	5,616 Watts, 208/240 Volt, 0.99 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Single Batch Ventless Countertop Oven (TurboChef HHS-9500-1).....	10,300.87	22.44

11 44 16 00-0057 Combination Ovens ^(11 44 16)

Note: Convection, steam and combination modes.

11 44 16 00-0058	EA	35.4" x 34" x 26.6" Half Size Electric Boilerless Combination Oven.....	25,071.90	177.35
11 44 16 00-0059	EA	35.4" x 45" x 36.8" Full Size Electric Boilerless Combination Oven.....	41,146.53	202.69
11 44 16 00-0060	EA	35.4" x 34" x 36.8 Half Size Electric Boilerless Combination Oven.....	33,985.57	202.69
11 44 16 00-0061	EA	35.4" x 45" x 70.4" Full Size Electric Boilerless Combination Oven.....	82,061.35	253.36
11 44 16 00-0062	EA	35.4" x 34" x 70.4 Half Size Electric Boilerless Combination Oven.....	62,289.36	253.36

11 44 16 00-0063 Broiler, Without Oven ^(11 44 16)

11 44 16 00-0064	EA	69" x 26" x 39" Broiler Without Oven.....	9,501.09	162.15
11 44 16 00-0065	EA	Conveyor Broiler.....	8,421.24	188.19

11 44 16 00-0066 Oven Stands ^(11 44 16)

11 44 16 00-0067	EA	Stationary Oven Stand (Rational 60.30.334 US III UltraVent® Stationary Oven Stand).....	1,992.66	
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11 44 16 00-0068 Countertop Electric Convection Type Ovens ^(11 44 16)

11 44 16 00-0069	EA	1,440 Watts, 120 Volt, 0.8 CF, 150 To 500 Degrees Fahrenheit Temperature Range, One Glass Door, Quarter Size, Thermostatic Control, Stainless Steel Countertop Electric Convection Oven (Avantco CO-14).....	233.85	11.22
11 44 16 00-0070	EA	1,600 Watts, 120 Volt, 1.5 CF, 150 To 500 Degrees Fahrenheit Temperature Range, One Glass Door, Half Size, Thermostatic Control, Stainless Steel Countertop Electric Convection Oven (Avantco CO-16).....	377.52	11.22
11 44 16 00-0071	EA	2,800 Watts, 208/240 Volt, 2.3 CF, 150 To 500 Degrees Fahrenheit Temperature Range, One Glass Door, Thermostatic Control, Half Size, Stainless Steel Countertop Electric Convection Oven (Avantco CO-28).....	444.43	11.22
11 44 16 00-0072	EA	2,800 Watts, 208/240 Volt, 2.3 CF, 150 To 550 Degrees Fahrenheit Temperature Range, 2.3 CF, One Glass Door, Half Size, Stainless Steel Countertop Electric Convection Oven With Steam Injection (Avantco CO-32).....	571.29	11.22
11 44 16 00-0073	EA	3,500 To 4,600 Watts, 208-240 Volt, 4.4 CF, 550 Degrees Fahrenheit, Two Glass Doors, Dial Control, Stainless Steel Full Size Electric Countertop Convection Oven (Avantco CO-38).....	1,036.41	11.22
11 44 16 00-0074	EA	3,500 To 4,600 Watts, 208 To 240 Volt, 4.4 CF, 150 To 550 Degrees Fahrenheit Temperature Range, One Glass Door, Dial Control, Full Size, Stainless Steel Countertop Electric Cooky Type Convection Oven With Steam Injection (Avantco CO-46).....	1,205.55	11.22
11 44 16 00-0075	EA	1,440 Watts, 120 Volt, 0.8 CF, 500 Degrees Fahrenheit Temperature Range, One Glass Door, Dial Control, Quarter Size, Stainless Steel Countertop Electric Convection Oven (Galaxy COE3Q).....	208.48	11.22

		Equipment	11	
		Foodservice Equipment	11 40	↕
		Food Cooking Equipment	11 44	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 16 00-0076	EA	1,600 Watts, 120 Volt, 1.5 CF, 500 Degrees Fahrenheit, One Glass Door, Half Size, Dial Control, Stainless Steel Countertop Electric Convection Oven (Galaxy COE3H).....	343.79	11.22
11 44 16 00-0077	EA	1,700 Watts, 120 Volt, 27-15/16" Length x 23-5/8" Width x 24" Height, 200 To 500 Degrees Fahrenheit Temperature Range, One Glass Door, Half Size, Stainless Steel 4 Pan Electric Countertop Convection Oven (Global Solutions GS1110-17).....	976.41	11.22
11 44 16 00-0078	EA	1,400 Watts, 120 Volt, 1.19 CF, 150 - 570 Degrees Fahrenheit Temperature Range, One Glass Door, Thermostatic Control, Stainless Steel Half Size Electric Countertop Convection Oven (Vollrath 40703).....	888.54	11.22
11 44 16 00-0079	EA	2,400 Watts, 230 Volt, 1.9 CF, 150 - 570 Degrees Fahrenheit Temperature Range, One Glass Door, Dial Control, Stainless Steel Half Size Electric Countertop Convection Oven (Vollrath 40701).....	1,207.07	11.22
11 44 16 00-0080	EA	5,600 Watts, 230 Volt, 4.27 CF, 150 - 570 Degrees Fahrenheit Temperature Range, 1 Glass Door, Dial Control, Stainless Steel Full Size Electric Countertop Convection Oven (Vollrath 40702).....	1,955.75	11.22
11 44 16 00-0081 Electric Convection Type Ovens (11 44 16)				
11 44 16 00-0082	EA	11 kW, 240 Volt, Two Glass Doors, 41-1/2" x 38-1/8" x 54-1/8", Single Deck, Stainless Steel Full Size Electric Convection Oven (Cooking Performance Group FEC-100).....	4,464.47	44.87
11 44 16 00-0083	EA	22 kW, 240 Volt, 1 Phase, Four Glass Doors, 41-1/2" x 38" x 63-1/2", Double Deck, Stainless Steel Full Size Electric Convection Oven (Cooking Performance Group FEC200DK).....	8,854.75	89.73
11 44 16 00-0084	EA	22 kW, 240 Volt, 3 Phase, Four Glass Doors, 41-1/2" x 38" x 63-1/2", Double Deck, Stainless Steel Full Size Electric Convection Oven (Cooking Performance Group FEC200CK).....	8,854.75	89.73
11 44 16 00-0085	EA	22 kW, 240 Volt, 3 Phase, Four Glass Doors, 41-1/2" x 38" x 63-1/2", Double Deck, Stainless Steel Full Size Electric Convection Oven (Cooking Performance Group FEC200EK).....	8,854.75	89.73
11 44 16 00-0086	EA	22 kW, 208 Volt, 1 Phase, Four Glass Doors, 41-1/2" x 38" x 63-1/2", Double Deck, Stainless Steel Full Size Electric Convection Oven (Cooking Performance Group FEC200BK).....	8,854.75	89.73
11 44 16 00-0087	EA	24 kW, 208 Volt, 3 Phase, Four Glass Doors, 40" x 40-1/8" x 68-13/16", Double Deck, Stainless Steel Full Size Electric Convection Oven (Vulcan VC55ED-208/3).....	14,622.41	89.73
11 44 16 00-0088	EA	12 kW, 208 Volt, 3 Phase, Two Glass Doors, 40" x 40-1/8" x 54", Single Deck, Stainless Steel Full Size Electric Convection Oven With Legs (Vulcan VC5ED-11D1 208/3).....	7,311.20	44.87
11 44 16 00-0089	EA	12 kW, 240 Volt, 1 Phase, Two Glass Doors, 40" x 40-1/8" x 54", Single Deck, Stainless Steel Full Size Electric Convection Oven With Legs (Vulcan VC5ED-12D1 240/1).....	7,311.20	44.87
11 44 16 00-0090	EA	12.5 kW, 208 Volt, 3 Phase, Two Glass Doors, 41-1/8" x 40-1/4" x 54-3/4", Single Deck, Stainless Steel Full Size Electric Convection Oven (Vulcan VC4ED-11D1 208/3).....	8,024.78	44.87
11 44 16 00-0091	EA	12 kW, 208 Volt, 1 Phase, Two Glass Doors, 40" x 40-1/8" x 54", Single Deck, Stainless Steel Full Size Electric Convection Oven With Legs (Vulcan VC5ED-11D1 208/1).....	7,311.20	44.87
11 44 16 00-0092	EA	12 kW, 240 Volt, 3 Phase, Two Glass Doors, 40" x 40-1/8" x 24", Single Deck, Stainless Steel Full Size Electric Convection Oven With Legs (Vulcan VC5ED-12D1 240/3).....	7,311.20	44.87
11 44 16 00-0093	EA	25 kW, 208 Volt, 3 Phase, Four Glass Doors, 41-1/8" x 40" x 70", Double Deck, Stainless Steel Full Size Electric Convection Oven (Vulcan VC44ED-208/3).....	16,049.57	89.73
11 44 16 00-0094	EA	11 kW, 220/240 Volt, 1 Phase, Two Glass Doors, 36-7/8" x 38-1/4" x 57", Single Deck, Stainless Steel Full Size Electric Convection Oven With Legs (Blodgett SHO-100-E).....	6,825.96	44.87
11 44 16 00-0095	EA	22 kW, 208 Volt, 3 Phase, Four Glass Doors, 36-7/8" x 38-1/4" x 70", Double Deck, Stainless Steel Full Size Electric Convection Oven (Blodgett SHO-100-E).....	13,651.93	89.73
11 44 16 00-0096	EA	24 kW, 208 Volt, 1 Phase, Four Glass Doors, 40" x 40-1/8" x 68 13/16", Double Deck, Stainless Steel Full Size Electric Convection Oven (Vulcan VC55ED-208/1).....	14,622.41	89.73
11 44 16 00-0097	EA	21 kW, 208 Volt, 1 Phase, Four Glass Doors, 46" x 40" x 74-1/2", Double Deck, Stainless Steel Full Size Electric Convection Oven (Bakers Pride BPCV-E2 208/1).....	18,502.11	89.73
11 44 16 00-0098 Natural Gas Convection Type Ovens (11 44 16)				
11 44 16 00-0099	EA	54,000 BTU, 150 To 550 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Natural Gas Convection Oven With Legs (Cooking Performance Group FGC100N).....	5,134.89	44.87
11 44 16 00-0100	EA	108,000 BTU, 150 To 550 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Natural Gas Convection Oven With Legs (Cooking Performance Group FGC200N).....	10,184.20	89.73
11 44 16 00-0101	EA	100,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Stainless Steel Double Deck Full Size Natural Gas Convection Oven With Solid State Controls (Vulcan VC44GD-NAT).....	17,581.85	89.73
11 44 16 00-0102	EA	100,000 BTU, 150 To 550 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Natural Gas Convection Oven (Vulcan VC55GD).....	16,835.73	89.73
11 44 16 00-0103	EA	100,000 BTU, 500 Degrees Fahrenheit, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Natural Gas Convection Oven (Blodgett SHO-100-G).....	15,716.53	89.73
11 44 16 00-0104	EA	50,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Natural Gas Convection Oven with Solid State Controls And Legs (Vulcan VC4GD-11D150K).....	8,790.92	44.87
11 44 16 00-0105	EA	120,000 BTU, 200 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Bakery Depth Natural Gas Convection Oven With Draft Diverter (Blodgett ZEPHAIRE-200-G).....	8,880.66	89.73
11 44 16 00-0106	EA	120,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Standard Depth Full Size Natural Gas Convection Oven With Analog Controls (Garland MCO-GS-20S).....	24,580.12	89.73
11 44 16 00-0107	EA	50,000 BTU, 200 - 500 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Natural Gas Convection Oven (Blodgett SHO-100-G).....	7,858.26	44.87
11 44 16 00-0108	EA	100,000 BTU, 200 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Bakery Depth Natural Gas Convection Oven With Draft Diverter (Blodgett ZEPHAIRE-200-G-ES).....	21,553.90	89.73
11 44 16 00-0109	EA	120,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Digital Control, Stainless Steel Double Deck Standard Depth Full Size Natural Gas Convection Oven With Digital Controls (Garland MCO-GS-20).....	32,043.61	89.73
11 44 16 00-0110	EA	120,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Natural Gas Convection Oven (Garland MCO-GS-20-ESS).....	24,580.12	89.73
11 44 16 00-0111	EA	100,000 BTU, 200 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Standard Depth Natural Gas Convection Oven With Draft Diverter (Blodgett ZEPHAIRE-100-G).....	20,127.47	89.73
11 44 16 00-0112	EA	90,000 BTU, 200 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Natural Gas Convection Oven (Blodgett BDO-GS-20-ES).....	17,911.03	89.73
11 44 16 00-0113	EA	50,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Natural Gas Convection Oven With Legs (Vulcan VC5GDN).....	8,417.86	44.87
11 44 16 00-0114	EA	36" Wide x 58" Height x 41" Depth, Natural Gas Convection Oven (Vulcan 36C-BN).....	9,640.66	202.69
<i>For 5" Swivel Plate Casters, Set of 4, Add</i>			654.69	

11	11 Equipment
	11 40 Foodservice Equipment
	11 44 Food Cooking Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 44 16 00-0115			Liquid Propane Convection Type Ovens (11 44 16)		
11 44 16 00-0116	EA		108,000 BTU, 45" Length x 38" Width x 68" Height, 150 To 550 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Liquid Propane Convection Oven With Legs (Cooking Performance Group FGC200L).....	10,184.20	89.73
11 44 16 00-0117	EA		100,000 BTU, 41-1/8" Length x 40-1/4" Width x 70" Height, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Liquid Propane Convection Oven With Solid State Controls (Vulcan VC44GD-LP).....	17,581.85	89.73
11 44 16 00-0118	EA		50,000 BTU, 41-1/8" Length x 40-1/4" Width x 54-3/4" Height, 150 - 500 Degrees Fahrenheit Temperature Range, Two Glass Doors, Stainless Steel Single Deck Full Size Liquid Propane Convection Oven With Solid State Controls And Legs (Vulcan VC4GD-21D150K).....	8,790.92	44.87
11 44 16 00-0119	EA		100,000 BTU, 45-1/8" Length x 40-1/4" Width x 70" Height, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Stainless Steel Double Deck Full Size Depth Liquid Propane Convection Oven With Solid State Controls (Vulcan VC66GD-LP).....	33,202.31	89.73
11 44 16 00-0120	EA		100,000 BTU, 36-7/8" Length x 38-1/4" Width x 70" Height, 200 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Liquid Propane Convection Oven (Blodgett SHO-100-G).....	15,716.53	89.73
11 44 16 00-0121	EA		100,000 BTU, 40-1/8" Length x 40-1/8" Width x 68-5/8" Height, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Liquid Propane Convection Oven (Vulcan VC55GD LP).....	16,835.73	89.73
11 44 16 00-0122	EA		50,000 BTU, 40-1/8" Length x 40" Width x 54-3/4" Height, 150 - 500 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Liquid Propane Convection Oven With Legs (Vulcan VC5GDL).....	8,417.86	44.87
11 44 16 00-0123	EA		50,000 BTU, 36-7/8" Length x 38-1/4" Width x 63" Height, 200 - 500 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Liquid Propane Convection Oven (Blodgett SHO-100-G).....	7,858.26	44.87

11 44 16 00-0124			Countertop Pizza Oven (11 44 16)		
11 44 16 00-0125	EA		3,700 To 4,800 Watts, 208/240 Volt, Stainless Steel Countertop Pizza Oven, White (TurboChef FIRE WHITE).....	6,381.85	22.44

11 44 16 00-0126			Rotary Deck Pizza Oven (11 44 16)		
11 44 16 00-0127	EA		90,000 BTU, 2 Deck, 38.6" Diameter Rotary Deck Pizza Oven (Sierra Range Volare).....	39,252.26	89.73

11 44 16 00-0128			Triple Conveyor Oven (11 44 16)		
11 44 16 00-0129	EA		30 kW, 208 Volt, Three Door, Single Belt, Triple Conveyor, FastBake Stainless Steel Impingement Cook Type Oven Package (Lincoln 1180-3/1180-FB3).....	62,366.51	179.47
11 44 16 00-0130	EA		Note: 39" Length x 56" Width x 62" Height, 250 To 575 Degrees Fahrenheit Temperature Range 30 kW, 240 Volt, Three Door, Single Belt, Triple Conveyor, FastBake Stainless Steel Impingement Cook Type Oven Package (Lincoln 1180-3/1180-FB3).....	62,366.51	179.47
11 44 16 00-0131	EA		Note: 39" Length x 56" Width x 62" Height, 250 To 575 Degrees Fahrenheit Temperature Range 22 kW, 208 Volt, Three Door, Triple Conveyor, Stainless Steel Low Profile FastBake Impingement Cook Type Oven Package (Lincoln 1600-3/1600-FB3).....	132,950.63	179.47
11 44 16 00-0132	EA		Note: 60-1/2" Length x 80" Width x 66-3/8" Height, 250 To 600 Degrees Fahrenheit Temperature Range 22 kW, 220 Volt, Three Door, Triple Conveyor, Stainless Steel Low Profile FastBake Impingement Cook Type Oven Package (Lincoln 1600-3/1600-FB3).....	115,331.55	179.47
11 44 16 00-0133	EA		Note: 60-1/2" Length x 80" Width x 66-3/8" Height, 250 To 600 Degrees Fahrenheit Temperature Range 22 kW, 240 Volt, Three Door, Triple Conveyor, Stainless Steel Low Profile FastBake Impingement Cook Type Oven Package (Lincoln 1600-3/1600-FB3).....	115,331.55	179.47
11 44 16 00-0134	EA		Note: 60-1/2" Length x 80" Width x 66-3/8" Height, 250 To 600 Degrees Fahrenheit Temperature Range 330,000 BTU, Natural Gas, Three Door, Triple Conveyor, Low Profile FastBake Stainless Steel, Impingement Cook Type Oven Package (Lincoln 1600-3/1600-FB3).....	132,950.63	179.47
11 44 16 00-0135	EA		Note: 60-1/2" Length x 80" Width x 66-3/8" Height, 250 To 600 Degrees Fahrenheit Temperature Range 330,000 BTU, Liquid Propane, Three Door, Triple Conveyor, Stainless Steel Low Profile FastBake Impingement Cook Type Oven Package (Lincoln 1600-3/1600-FB3).....	132,950.63	179.47

11 44 19 Commercial Cooking Equipment (11 44)

11 44 19 00-0001			Drop-In Electric Griddle (11 44 19)		
11 44 19 00-0002	EA		24" Wide x 24" Deep, Drop-In Electric Griddle.....	4,383.96	139.35
11 44 19 00-0003	EA		36" Wide x 24" Deep, Drop-In Electric Griddle.....	6,243.94	139.35
11 44 19 00-0004	EA		48" Wide x 24" Deep, Drop-In Electric Griddle.....	7,147.61	152.02
11 44 19 00-0005	EA		60" Wide x 24" Deep, Drop-In Electric Griddle.....	8,557.36	152.02
11 44 19 00-0006	EA		72" Wide x 24" Deep, Drop-In Electric Griddle.....	10,972.63	164.68

11 44 19 00-0007			Countertop Griddle (11 44 19)		
11 44 19 00-0008	EA		16", 120 Voltage, 1750 Watt, Electric Countertop Griddle (Avantco EG16N).....	568.69	162.14
11 44 19 00-0009	EA		24", 208/240 Voltage, 2675 To 3560 Watt, Electric Countertop Griddle (Avantco EG24N).....	696.28	162.14
11 44 19 00-0010	EA		30", 208/240 Voltage, 3375 To 4500 Watt, Electric Countertop Griddle (Avantco EG30N).....	770.71	162.14
11 44 19 00-0011	EA		36", 208/240 Voltage, 7488 To 10080 Watt, Electric Countertop Griddle (Avantco EG36N).....	961.04	162.14
11 44 19 00-0012	EA		24", 220 Voltage, Thermostatic Electric Griddle (Vollrath 40716).....	1,040.26	162.14
11 44 19 00-0013	EA		36", 220 Voltage, Thermostatic Electric Griddle (Vollrath 40717).....	1,324.47	162.14

11 44 19 00-0014			Panini Sandwich Grill (11 44 19)		
11 44 19 00-0015	EA		3,500 Watts, 120 Volt, Double Commercial Panini Sandwich Grill With Smooth Plates (Avantco P85S).....	605.98	89.73
11 44 19 00-0016	EA		1,750 Watts, 120 Volt, Commercial Panini Sandwich Grill With Grooved Plates (Avantco P78).....	466.13	89.73
11 44 19 00-0017	EA		1,750 Watts, 120 Volt, Commercial Panini Sandwich Grill With Smooth Plates (Avantco P70S).....	466.13	89.73
11 44 19 00-0018	EA		1,750 Watts, 120 Volt, Commercial Panini Sandwich Grill With Grooved Top and Smooth Bottom Plates (Avantco P75SG).....	466.13	89.73
11 44 19 00-0019	EA		2,392 Watts, 208 Volt, Panini Perfetto Grooved Top And Bottom Panini Sandwich Grill (Waring WPG150B).....	947.01	89.73

			Equipment	11	
			Foodservice Equipment	11 40	≡
			Food Cooking Equipment	11 44	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

11 44 19 00-0020			Electric Countertop Fryer, With Basket ^(11 44 19)		
11 44 19 00-0021	EA	30	Lb. Capacity, 208-240 Volt, Two Basket, Countertop Deep Fryer (Avantco F202)).....	926.29	89.73
11 44 19 00-0022	EA	30	Lb. Capacity, 208-240 Volt, Four Basket, Commercial Countertop Deep Fryer (Vollrath 40710)	2,021.82	89.73
11 44 19 00-0023	EA	30	Lb. Capacity, 240 Volt, Two Basket, Countertop Electric Deep Fryer (Garland E24-31F).....	7,496.07	89.73
11 44 19 00-0024			Electric Floor Fryer, With Basket ^(11 44 19)		
11 44 19 00-0025	EA	50	Lb. Capacity, Single Basket Lift, 208 Volt, Electric Fryer	6,922.73	202.69
11 44 19 00-0026	EA	50	Lb. Capacity, Single Basket Lift, 480 Volt, Electric Fryer	7,268.16	202.69
11 44 19 00-0027	EA	85	Lb. Capacity, Single Basket Lift, 208 Volt, Electric Fryer	23,279.38	263.50
11 44 19 00-0028	EA	85	Lb. Capacity, Single Basket Lift, 480 Volt, Electric Fryer	23,846.22	263.50
11 44 19 00-0029			Natural Gas Floor Fryer, With Basket ^(11 44 19)		
11 44 19 00-0030	EA	40	Lb. Capacity, 90,000 BTU, Natural Gas, Two Basket, Stainless Steel Floor Fryer (Avantco FF300)	1,441.04	143.57
11 44 19 00-0031	EA	50	Lb. Capacity, 120,000 BTU, Natural Gas, Two Basket, Stainless Steel Floor Fryer (Avantco FF400)	1,650.82	179.47
11 44 19 00-0032	EA	70	To 100 Lb. Capacity, 150,000 BTU, Natural Gas, Two Basket, Stainless Steel Tube Floor Fryer (Avantco FF518).....	2,389.21	358.94
11 44 19 00-0033			Steam Jacketed Kettles ^(11 44 19)		
11 44 19 00-0034	EA	12	Gallon Capacity, 208/240 Volt, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Tabletop Kettle (Cleveland KET-12-T).....	13,567.37	22.44
11 44 19 00-0035	EA	12	Gallon Capacity, 208 Volt, 12 kW, Tilting, Stainless Steel Electric Steam Jacketed Kettle (Vulcan K12ETT-7)	12,065.28	22.44
11 44 19 00-0036	EA	3	Gallon Capacity, 208/240 Volt, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Tabletop Kettle (Cleveland KET-3-T).....	9,592.09	22.44
11 44 19 00-0037	EA	6	Gallon Capacity, 208 Volt, 7.5 kW, Tilting, Stainless Steel Electric Steam Jacketed Kettle (Vulcan K6ETT-7)	10,001.26	22.44
11 44 19 00-0038	EA	60	Gallon Capacity, 208 Volt, 18 kW, 3 Phase, Stationary, Stainless Steel 2/3 Steam Jacketed Electric Kettle (Vulcan K60EL)	35,115.03	22.44
11 44 19 00-0039	EA	150	Gallon Capacity, 240 Volt, 36 kW, 3 Phase, Stationary, Stainless Steel Steam Jacketed Electric Kettle (Vulcan ET150-240/3)	61,878.22	89.73
11 44 19 00-0040	EA	100	Gallon Capacity, 208/240 Volt, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Mixer Kettle (Cleveland MKE100T 208/2403)	146,328.47	89.73
11 44 19 00-0041	EA	6	Gallon Capacity, 240 Volt, 24 kW, 3 Phase, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Kettle With Modular Generator Base (Cleveland 24EMK624 240/3)	32,176.33	89.73
11 44 19 00-0042	EA	6	Gallon Capacity, 208 Volt, 24 kW, 3 Phase, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Kettle With Modular Generator Base (Cleveland 24EMK624 208/3)	32,176.33	89.73
11 44 19 00-0043	EA	125	Gallon Capacity, 240 Volt, 36 kW, 3 Phase, Stationary, Stainless Steel Steam Jacketed Electric Kettle (Vulcan ET125-240/3)	58,979.50	89.73
11 44 19 00-0044	EA	20	Gallon Capacity, 208/240 Volt, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Kettle (Cleveland KET-20-T).....	21,507.07	89.73
11 44 19 00-0045	EA	40	Gallon Capacity, 208/240 Volt, Tilting, Stainless Steel Full Steam Jacketed Electric Kettle (Cleveland KEL40TSH 208/2403)	47,460.99	89.73
11 44 19 00-0046	EA	20	Gallon Capacity, 208/240 Volt, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Mixer Kettle (Cleveland MKET20T 208/2403)	59,414.12	89.73
11 44 19 00-0047	EA	60	Gallon Capacity, 208/240 Volt, Stationary, Stainless Steel Full Steam Jacketed Electric Kettle (Cleveland KEL60SH 208/2403).....	42,272.75	89.73
11 44 19 00-0048	EA	40	Gallon Capacity, 208/240 Volt, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Kettle (Cleveland KEL-40-T)	38,999.42	89.73
11 44 19 00-0049	EA	40	Gallon Capacity, Tilting, Stainless Steel 2/3 Steam Jacketed Direct Steam Electric Mixer Kettle (Cleveland MKDL40T 208/2403)	120,394.55	89.73
11 44 19 00-0050	EA	60	Gallon Capacity, Tilting, Stainless Steel 2/3 Steam Jacketed Direct Steam Electric Mixer Kettle (Cleveland MKDL60T 208/2403)	124,224.36	89.73
11 44 19 00-0051	EA	100	Gallon Capacity, 190,000 BTU, Liquid Propane, Stationary, Stainless Steel 2/3 Steam Jacketed Kettle (Cleveland KGL100 LP).....	57,893.28	179.47
11 44 19 00-0052	EA	60	Gallon Capacity, 100,000 BTU, Liquid Propane, Stationary, Stainless Steel 2/3 Steam Jacketed Kettle (Vulcan K60GL-LP).....	40,360.92	179.47
11 44 19 00-0053	EA	40	Gallon Capacity, 140,000 BTU, Liquid Propane, Tilting, Stainless Steel Full Steam Jacketed Kettle (Cleveland KGL40TSH LP).....	57,604.13	179.47
11 44 19 00-0054	EA	80	Gallon Capacity, 190,000 BTU, Liquid Propane, Stationary, Stainless Steel 2/3 Steam Jacketed Kettle (Cleveland KGL80 LP).....	47,860.50	179.47
11 44 19 00-0055	EA	40	Gallon Capacity, 100,000 BTU, Liquid Propane, Tilting, Stainless Steel 2/3 Steam Jacketed Kettle (Vulcan K40GLT-LP)	49,595.37	179.47
11 44 19 00-0056	EA	6	Gallon Capacity, 34,000 BTU, Liquid Propane, Tilting, Stainless Steel 2/3 Steam Jacketed Tabletop Kettle (Cleveland KGT-6-T LP).....	20,853.66	179.47
11 44 19 00-0057	EA	60	Gallon Capacity, 100,000 BTU, Liquid Propane, Tilting, Stainless Steel 2/3 Steam Jacketed Kettle (Vulcan K60GLT-LP)	60,133.69	179.47
11 44 19 00-0058	EA	125	Gallon Capacity, 135,000 BTU, Liquid Propane, Stationary, Stainless Steel Steam Jacketed Gas Kettle (Vulcan GT125E-LP)	59,822.73	179.47
11 44 19 00-0059	EA	80	Gallon Capacity, 190,000 BTU, Liquid Propane, Tilting, Stainless Steel 2/3 Steam Jacketed Kettle (Cleveland KGL80T LP).....	66,296.66	179.47
11 44 19 00-0060	EA	60	Gallon Capacity, 190,000 BTU, Liquid Propane, Stationary, Stainless Steel Full Steam Jacketed Kettle (Cleveland KGL60SH LP).....	44,907.22	179.47
11 44 19 00-0061	EA	12	Gallon Capacity, 53,000 BTU, Liquid Propane, Tilting, Stainless Steel 2/3 Steam Jacketed Tabletop Kettle (Cleveland KGT12TGB LP)	27,373.05	179.47
11 44 19 00-0062	EA	40	Gallon Capacity, 140,000 BTU, Liquid Propane, Tilting, Stainless Steel 2/3 Steam Jacketed Mixer Kettle (Cleveland MKGL40T LP)	145,631.41	179.47
11 44 19 00-0063	EA	80	Gallon Capacity, 135,000 BTU, Liquid Propane, Stationary, Stainless Steel Steam Jacketed Gas Kettle (Cleveland GL80E-LP)	48,180.56	179.47
11 44 19 00-0064	EA	60	Gallon Capacity, 100,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Kettle (Vulcan K60GLT-NAT).....	60,133.69	179.47
11 44 19 00-0065	EA	60	Gallon Capacity, 190,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Horizontal Mixer Kettle (Cleveland HAMKG60T NAT).....	139,772.14	179.47
11 44 19 00-0066	EA	25	Gallon Capacity, 90,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Kettle (Cleveland KGL-25-T NAT).....	45,914.68	179.47
11 44 19 00-0067	EA	100	Gallon Capacity, 190,000 BTU, Natural Gas, Stationary, Stainless Steel 2/3 Steam Jacketed Horizontal Mixer Kettle (Cleveland HAMKGL100 NAT).....	139,392.07	179.47

11	11 Equipment
	11 40 Foodservice Equipment
	11 44 Food Cooking Equipment

MINOR		DESCRIPTION	TOTAL DIRECT		DEMOLITION
CSI	UOM		UNIT COST	UNIT COST	
11 44 19 00-0068	EA	20 Gallon Capacity, 100,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Kettle (Vulcan K20GLT-NAT).....	47,487.70		179.47
11 44 19 00-0069	EA	100 Gallon Capacity, 190,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Horizontal Mixer Kettle (Cleveland HAMKGL100T NAT).....	164,578.57		179.47
11 44 19 00-0070	EA	12 Gallon Capacity, 53,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Tabletop Kettle (Cleveland KGT-12-T NAT)	24,950.79		179.47
11 44 19 00-0071	EA	80 Gallon Capacity, 190,000 BTU, Natural Gas, Stationary, Stainless Steel 2/3 Steam Jacketed Kettle (Cleveland KGL80 NAT).....	47,860.50		179.47
11 44 19 00-0072	EA	60 Gallon Capacity, 135,000 BTU, Natural Gas, Stationary, Stainless Steel Steam Jacketed Gas Kettle (Cleveland GS60E-NAT)	47,596.82		179.47
11 44 19 00-0073	EA	40 Gallon Capacity, 140,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Mixer Kettle (Cleveland MKGL40T NAT).....	140,175.85		179.47
11 44 19 00-0074	EA	6 Gallon Capacity, 34,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Tabletop Kettle (Cleveland KGT-6-T NAT)	20,853.66		179.47
11 44 19 00-0075	EA	100 Gallon Capacity, 190,000 BTU, Natural Gas, Stationary, Stainless Steel 2/3 Steam Jacketed Kettle (Cleveland KGL100 NAT).....	57,893.28		179.47
11 44 19 00-0076	EA	40 Gallon Capacity, Tilting, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Cleveland KDL-40-T)	19,984.41		179.47
11 44 19 00-0077	EA	60 Gallon Capacity, Tilting, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Vulcan K60DLT).....	27,085.73		179.47
11 44 19 00-0078	EA	125 Gallon Capacity, Stationary, Stainless Steel Fully Jacketed Direct Steam Kettle (Vulcan ST125)	47,391.32		179.47
11 44 19 00-0079	EA	200 Gallon Capacity, Stationary, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Cleveland KDL200)	63,234.27		179.47
11 44 19 00-0080	EA	12 Gallon Capacity, Tilting, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle With Modular Stand (Cleveland SD760K12).....	24,667.10		179.47
11 44 19 00-0081	EA	12 Gallon Capacity, 26" Table, Tilting, Stainless Steel Direct Steam Kettle (Cleveland VEKT26/6)	17,140.24		179.47
11 44 19 00-0082	EA	40 Gallon Capacity, Stationary Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Vulcan K40DL)	18,218.62		179.47
11 44 19 00-0083	EA	60 Gallon Capacity, Stationary, Stainless Steel Full Steam Jacketed Direct Steam Kettle (Cleveland KDL60SH).....	28,398.70		179.47
11 44 19 00-0084	EA	60 Gallon Capacity, Stationary, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Vulcan K60DL)	21,228.28		179.47
11 44 19 00-0085	EA	40 Gallon Capacity, Stationary, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Cleveland KDL40)	17,202.07		179.47
11 44 19 00-0086	EA	80 Gallon Capacity, Stationary, Stainless Steel Full Steam Jacketed Direct Steam Kettle (Cleveland KDL80F)	42,855.93		179.47
11 44 19 00-0087	EA	80 oz., Tilting, Stainless Steel 2/3 Steam Jacketed Direct Steam Tabletop Oyster Kettle (Cleveland KDT-1-T)	9,282.42		179.47
11 44 19 00-0088	EA	40 Gallon Capacity, Stationary, Stainless Steel Full Steam Jacketed Direct Steam Kettle (Cleveland KDL40F)	30,179.03		179.47
11 44 19 00-0089	EA	12 Gallon Capacity, Tilting, Stainless Steel 2/3 Steam Jacketed Tabletop Direct Steam Kettle (Cleveland KDT-12-T).....	12,997.65		179.47
11 44 19 00-0090	EA	100 Gallon Capacity, Stationary, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Cleveland KDL100)	32,601.30		179.47
11 44 19 00-0091	EA	60 Gallon Capacity, Stationary, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Cleveland KDL60)	20,409.94		179.47
11 44 19 00-0092		Steamers, Electric (11 44 19)			
11 44 19 00-0093		Cooking Equipment/ Steamers (11 44 19 00-0092)			
11 44 19 00-0094	EA	3 Pan, Electric Countertop Convection Steamer.....	9,515.98		212.83
11 44 19 00-0095	EA	5 Pan, Electric Countertop Convection Steamer.....	12,544.71		222.95
11 44 19 00-0096	EA	3 Pan, Electric Countertop Boilerless/Connectionless Steamer.....	8,801.49		212.83
11 44 19 00-0097	EA	5 Pan, Electric Countertop Boilerless/Connectionless Steamer.....	12,853.21		222.95
11 44 19 00-0098		Braising Pans (11 44 19)			
11 44 19 00-0099	EA	24" x 24", 240 Volt, Tilting Braising Pan.....	11,310.38		215.52
11 44 19 00-0100	EA	24" x 31", 240 Volt, Tilting Braising Pan.....	11,935.71		226.64
11 44 19 00-0101	EA	24" x 41", 240 Volt, Tilting Braising Pan.....	12,712.44		241.35
11 44 19 00-0102	EA	24" x 24", 62,000 BTU/Hour, Tilting Braising Pan.....	14,744.43		281.04
11 44 19 00-0103	EA	24" x 31", 90,000 BTU/Hour, Tilting Braising Pan.....	15,246.90		289.70
11 44 19 00-0104	EA	24" x 41", 120,000 BTU/Hour, Tilting Braising Pan.....	15,840.59		297.37
11 44 19 00-0105		Toasters (11 44 19)			
11 44 19 00-0106	EA	Bun Toaster 3.2 KW.....	2,247.03		50.05
11 44 19 00-0107	EA	Bun Toaster 4.3 KW.....	2,452.33		54.55
11 44 19 00-0108	EA	Pop-Up Toaster, 2 Slot	612.49		109.75
11 44 19 00-0109	EA	Conveyor Toaster	1,056.61		164.68
11 44 19 00-0110		Microwave Ovens (11 44 19)			
11 44 19 00-0111	EA	120 Volt, 1,000 Watt, 20" Length x 18" Width x 12" Height, Office Series Microwave With Dial Controls (Galaxy MW1000PD).....	178.13		11.22
11 44 19 00-0112	EA	120 Volt, 1,000 Watt, 20" Length x 18" Width x 12" Height, Office Series Microwave With Push Button Controls (Galaxy MW1000PB).....	195.43		11.22
11 44 19 00-0113	EA	120 Volt, 1,000 Watt, 20" Length x 18" Width x 12" Height, Stainless Steel Commercial Microwave With Push Button Controls (Solwave MW1000SS).....	253.10		11.22
11 44 19 00-0114	EA	120 Volt, 1,000 Watt, 2 CF, 22" Length x 18" Width x 13-1/2" Height, Stackable Commercial Microwave With Dial Controls (Solwave MW112D)	322.30		11.22
11 44 19 00-0115	EA	120 Volt, 1,000 Watt, 2 CF, 22" Length x 18" Width x 13 1/2" Height, Stackable Commercial Microwave With Dial Controls (Solwave MW112T).....	403.03		11.22
11 44 19 00-0116	EA	120 Volt, 1,000 Watt, 16-1/2" Length x 20" Width x 12-1/4" Height, Stainless Steel Commercial Microwave With Dial Controls (Solwave RMS10DS).....	253.10		11.22
11 44 19 00-0117	EA	120 Volt, 1,000 Watt, 16-1/2" Length x 20" Width x 12-1/4" Height, Stainless Steel Commercial Microwaves With Push Button Controls (Amana RMS10TS).....	295.20		11.22
11 44 19 00-0118	EA	120 Volt, 1,000 Watt, 19" Length x 22" Width x 13-3/4" Height, Medium Volume, Stainless Steel Commercial Microwave (Amana RCS10DSE).....	520.69		11.22
11 44 19 00-0119	EA	120 Volt, 1,000 Watt, 19" Length x 22" Width x 13-7/8" Height, Stackable, Commercial Microwave With Push Button Controls (Amana RCS10TS).....	634.87		11.22
11 44 19 00-0120	EA	120 Volt, 1,000 Watt, 21-5/8" Length x 16-1/2" Width x 13-1/2" Height, Stainless Steel, Heavy-Duty Commercial Microwave With Push Button Controls (Amana HDC12A2).....	1,330.34		11.22
11 44 19 00-0121	EA	120 Volt, 1,000 Watt, 18-1/8" Length x 20-1/2" Width x 12-1/4" Height, Stainless Steel, Commercial Microwave With Manual Controls (Vollrath 40830).....	368.21		11.22
11 44 19 00-0122	EA	120 Volt, 1,000 Watt, 18-1/8" Length x 20-1/2" Width x 12-1/4" Height, Stainless Steel, Commercial Microwave With Digital Controls (Vollrath 40819).....	501.14		11.22

			Equipment	11	
			Foodservice Equipment	11 40	↕
			Food Cooking Equipment	11 44	

			MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 19 00-0123	EA		120 Volt, 1,000 Watt, 17" Length x 20" Width x 12-1/4" Height, Stainless Steel, Commercial Microwave With Push Button Controls (Waring WMO90).....	385.75	11.22
11 44 19 00-0124	EA		120 Volt, 1,000 Watt, 16-9/16" Length x 20-1/8" Width x 13" Height, Stainless Steel, Commercial Microwave With Push Button Controls (Panasonic NE-1054F).....	339.61	11.22
11 44 19 00-0125	EA		120 Volt, 1,000 Watt, 16-3/8" Length x 20-1/8" Width x 12" Height, Stainless Steel Microwave With Programmable Memory Pads (Panasonic NE-1064F).....	655.63	11.22
11 44 19 00-0126	EA		120 Volt, 1,000 Watt, 16-9/16" Length x 20-1/8" Width x 13" Height, Stainless Steel Commercial Microwave With Dial Timer (Panasonic NE-1025).....	305.01	11.22
11 44 19 00-0127	EA		120 Volt, 1,200 Watt, 20-5/8" Length x 22-5/8" Width x 14-1/2" Height, Stainless Steel Commercial Microwave With Programmable Menu And Auto Cool Down (Solwave MW1200T).....	632.56	11.22
11 44 19 00-0128	EA		120 Volt, 1,200 Watt, 22-1/4" Length x 16-1/2" Width x 13-1/2" Height, 100 Programmable Menu Items, See-through Door, USB Port, Commercial Heavy-Duty Stainless Steel Microwave (Solwave MWHD12).....	701.76	11.22
11 44 19 00-0129	EA		120 Volt, 1,200 Watt, 20" Length x 16-5/8" Width x 13-3/16" Height, 15 Integrated Power Levels, See-through Door, Stainless Steel, Commercial, Medium Duty, Microwave With 90 Programmable Menu Pads (Panasonic NE-12523).....	1,175.79	11.22
11 44 19 00-0130	EA		120 Volt, 1,200 Watt, 20" Length x 16-5/8" Width x 13-3/16" Height, Programmable, 15 Power Levels, Stainless Steel, Commercial, Medium Duty, Microwave With Push Button Controls (Panasonic NE-12521).....	1,091.60	11.22
11 44 19 00-0131	EA		120 Volt, 2,000 Watt, 21" Length x 21-3/4" Width x 14-3/8" Height, 4 Cooking Stages, 5 Power Levels, Stainless Steel, Commercial, Medium Duty, Microwave With Push Button Controls (Amana RFS12TS).....	1,284.20	11.22
11 44 19 00-0132	EA		208/230-240 Volt, 1,700 Watt, 20" Length x 16-5/8" Width x 13-3/16" Height, 3-Stage Cooking, See-through Door, Stainless Steel, Commercial Microwave With LCD Display (Panasonic NE-17521).....	1,203.47	11.22
11 44 19 00-0133	EA		208/230-240 Volt, 1,700 Watt, 20" Length x 16-5/8" Width x 13" Height, LCD Display With Digital Countdown, Stainless Steel, Commercial Microwave With 90 Programmable Memory Pads (Panasonic NE-17523).....	1,351.10	11.22
11 44 19 00-0134	EA		208/230-240 Volt, 2,100 Watt, 20-3/4" Length x 25-9/16" Width x 18-9/16" Height, Sonic Steamer, Stainless Steel, Commercial Microwave With 8 Programmable Memory Pads (Panasonic NE-2180).....	3,639.92	11.22
11 44 19 00-0135	EA		208/230-240 Volt, 3,200 Watt, 20-3/4" Length x 25-9/16" Width x 18-5/8" Height, Sonic Steamer, See-through Door, Stainless Steel, Commercial Microwave With 3-stage Cook (Panasonic NE-3280).....	4,823.26	11.22
11 44 19 00-0136	EA		208/230 Volt, 1,800 Watt, 20-1/4" Length x 21-3/4" Width x 14-1/4" Height, Stainless Steel, Commercial, Medium Duty Microwave With Push Button Controls (Amana RFS18TS).....	1,506.80	11.22
11 44 19 00-0137	EA		208/230 Volt, 2,200 Watt, 23-1/2" Length x 25-5/8" Width x 18-5/8" Height, Stainless Steel, Heavy-Duty, 2 Pan Programmable Microwave (Amana AMSO22).....	4,693.51	11.22
11 44 19 00-0138	EA		208/230 Volt, 2,400 Watt, 19-3/16" Length x 13-5/8" Width x 17-5/8" Height, 11 Power Levels, Stainless Steel, Commercial, Heavy-Duty Microwave With Push Button Controls (Amana AOC24).....	2,897.74	11.22
11 44 19 00-0139	EA		208/240 Volt, 22-1/4" Length x 16-1/2" Width x 13-1/2" Height, Space Saver, USB Port, Stainless Steel, Commercial, Heavy-Duty Microwave (Solwave MWHD18).....	782.50	11.22
11 44 19 00-0140	EA		208/240 Volt, 2,100 Watt, 1.2 CF, 20-5/8" Length x 22-5/8" Width x 14-1/2" Height, Large, Stainless Steel, Stackable, Commercial Microwave With Push Button Controls (Solwave MW2100T).....	828.63	11.22
11 44 19 00-0141	EA		208/240 Volt, 2,100 Watt, 22-1/4" Length x 16-1/2" Width x 13-1/2" Height, 15 Power Levels, USB Port, Space Saver, Stainless Steel, Heavy-Duty, Commercial Microwave With Push Button Controls (Solwave MWHD21).....	886.30	11.22
11 44 19 00-0142	EA		208/240 Volt, 1,700 Watt, 25-1/2" Length x 19-1/4" Width x 18-1/8" Height, See-through Door, Stainless Steel, Commercial, Heavy-Duty Microwave With Push Button Controls (Amana RC17S2).....	2,129.61	11.22
11 44 19 00-0143	EA		208/240 Volt, 1,800 Watt, 1.2 CF, 20-5/8" Length x 22-5/8" Width x 14-1/2" Height, Large, Stainless Steel, Commercial Microwave With Push Button Controls (Solwave MW1800T).....	713.30	11.22
11 44 19 00-0144	EA		208/240 Volt, 1,800 Watt, 21-5/8" Length x 15-1/2" Width x 13-1/2" Height, Stainless Steel, Commercial, Heavy-Duty Microwave With Push Button Controls (Amana HDC182).....	1,558.70	11.22
11 44 19 00-0145	EA		208/240 Volt, 1,800 Watt, 31-5/8" Length x 16-1/2" Width x 13-1/3" Height, Stainless Steel Commercial, Heavy-Duty Microwave With Push Button Controls, Canadian Use Only (Amana HDC1815).....	1,569.08	11.22
11 44 19 00-0146	EA		208/240 Volt, 1,800 Watt, 20-3/4" Length x 22-3/5" Width x 14-1/2" Height, Stainless Steel, Commercial, Medium Duty Microwave With Push Button Controls (Waring WMO120).....	1,464.13	11.22
11 44 19 00-0147	EA		208/240 Volt, 2,100 Watt, 21-5/8" Length x 15-1/2" Width x 13-1/2" Height, 100 Programmable Menu Items, 11 Integrated Power Levels, Stainless Steel, Commercial, Heavy-Duty Microwave (Amana HDC212).....	1,631.36	11.22
11 44 19 00-0148	EA		208/240 Volt, 2,100 Watt, 20" Length x 16-5/8" Width x 13-3/16" Height, 5 Cooking Stages, Half-size Pans, Stainless Steel, Commercial, Heavy-Duty Microwave With Push Button Controls (Panasonic NE-21521).....	1,475.66	11.22
11 44 19 00-0149	EA		208/240 Volt, 2,200 Watt, 25-1/2" Length x 19-1/4" Width x 18-1/8" Height, Stainless Steel, Commercial, Heavy-Duty Microwave With Push Button Controls (Amana RC22S2).....	2,659.00	11.22
11 44 19 00-0150	EA		208/240 Volt, 2,200 Watt, 25-1/2" Length x 19-1/4" Width x 18-1/8" Height, Stainless Steel, Commercial, Heavy-Duty Microwave With Push Button Controls (Amana RC30S2).....	3,489.41	11.22
11 44 19 00-0151			Ceramic Broiler On Storage Base With Doors (11 44 19)		
11 44 19 00-0152	EA		Standard Finish Ceramic Boiler On Storage Base With Doors.....	9,319.29	176.69
11 44 19 00-0153	EA		Stainless Steel Front Ceramic Boiler On Storage Base With Doors.....	9,319.29	176.69
11 44 19 00-0154	EA		Stainless Steel Front And Sides Ceramic Boiler On Storage Base With Doors.....	11,582.59	220.59
11 44 19 00-0155			Gas Countertop Hot Plate (11 44 19)		
11 44 19 00-0156	EA		2 Burners Gas Countertop Hot Plate.....	1,188.10	22.50
11 44 19 00-0157			Food Service Additions (11 44 19)		
11 44 19 00-0158	EA		30" Diameter, Natural Gas, Cooktop With Electric Controls (Affinity 30Ge).....	8,062.65	22.26
11 44 19 00-0159	EA		Heavy-Duty Stainless Steel Heated Under Counter Cabinet With Adjustable Thermostat, Digital Indicator, Chrome Plated Reals And Wire Shelves (Alto Shaam 500-S).....	5,267.32	169.24
11 44 19 00-0160	EA		Oven-Combination Heated Holding Cabinet (Alto Shaam CTP20-10).....	52,283.10	
11 44 19 00-0161	EA		1000 Watt, 1.2 CF, 14" Platter Capacity, Programmable, Commercial Grade, Stainless Steel, Microwave-oven (Amana RCS10TS).....	1,055.01	11.66
11 44 19 00-0162	EA		1000 Watts, Programmable Power Level, Commercial Grade, Stainless Steel, Microwave-oven (Amana RMS10TS).....	613.06	11.66
11 44 19 00-0163	EA		48" W x 24-1/2" D x 8" H, Single Deck, Gas Fired, Stainless Steel, Caster Mounted, Pizza Oven (Bakers Pride 3151).....	18,341.24	152.02
11 44 19 00-0164	EA		120 Volt, 14.9 Amperes, 20' W, 6 Gallon Capacity Water Bath, Sparkling And Still Water Dispenser (Blupura/Crystallize BLUBAR COUNTERTOP 80).....	8,641.46	292.88
11 44 19 00-0165	EA		1/3 HP, 120 Volt, 60 Hz, 15 Amperes, Top Opening, Self Contained Refrigerated System (Blupura/Crystallize FONTEMAGNA BRIDGE).....	5,873.19	292.88
11 44 19 00-0166	EA		Broiler Less, Programmable, Stainless Steel, Convotherm Electric Oven-streamer (Cleveland OES-10.20).....	20,504.60	212.83
11 44 19 00-0167	EA		115 VAC, 60 Hz, Forced Air Gas Combustion With Auto Ignition, Stainless Steel Skillet With Spring Assist Cover (Cleveland SGL-30-T1/Sgl-40-T1).....	37,468.67	241.11
11 44 19 00-0168	EA		50 PSI, Water-resistant, Stationary Trileg Tilting Steam Jacketed Kettle (Cleveland / Groen KDL).....	32,159.29	123.64

11 Equipment**11 40 Foodservice Equipment****11 44 Food Cooking Equipment**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

11 44 19 00-0169	EA	Top Mounted, Insulated Heated Cabinet With Magnetic Latch Door (Crescor H-137-PWSUA-12C - 12c is discontinued hw-137-pwsua-12d is new model).....	19,449.83	56.52
11 44 19 00-0170	EA	6 Gallon, 1/5 HP, Bottom Mounted, Ice-Cream Dipping Cabinet (Delfield N255)	5,180.88	280.67
11 44 19 00-0171	EA	3/4" Diameter, 36" Length, Moveable Gas Connector Kit (Dormont 1675KIT).....	292.86	22.89
11 44 19 00-0172	EA	1/4 HP, Stainless Steel, Mechanically Cooled Cold Food Unit (Duke AeroServ 316-25SS-N7)	10,234.46	310.77
11 44 19 00-0173	EA	20", 3/8" Thick, Stainless Steel, Heavy-Duty Mounting, Tempered Glass (English Mfg. M-107)	13,994.34	11.66
11 44 19 00-0174	EA	1,350 Lb., Stainless Steel, Elevated Ice Storage And Transport System (Follet Corporation ITS1350SG-60).....	20,000.59	157.04
11 44 19 00-0175	EA	Gas Fired Pasta Cooker (Frymaster GPCRB-SC)	25,101.71	149.61
11 44 19 00-0176	EA	Stainless Steel, Anti-microbial, Vegetable Cutter (Globe A420VH)	1,105.51	5.39
11 44 19 00-0177	EA	5 kw Tank Heater, 1 HP Self-draining Pump, Electronic Automatic Control, Stainless Steel, Dishwasher (Hobart AM-15T).....	26,522.59	217.46
11 44 19 00-0178	EA	Stainless Steel, Electric Dryer Interlocked With Washer To Start (Hobart Cle (BDELRA-STD DOM)).....	23,244.94	186.39
11 44 19 00-0179	EA	1/2 HP, Medium Duty, Built-in Sharpener With 12" Blade (Hobart Edge 7510)	3,625.65	145.94
11 44 19 00-0180	EA	20 Quart, Countertop Mounted, Stainless Steel Bowl (Hobart HL200)	11,161.59	253.36
11 44 19 00-0181	EA	Electronic Control, Stainless Steel Dishwasher (Hobart LXi/LXiH new model is Lxeh).....	17,902.30	217.46
11 44 19 00-0182	EA	27" x 32" x 26-3/4" H, Stainless Steel, Single Shelf Mixer Table (Hobart TABLE-HL2012)	3,542.22	56.88
11 44 19 00-0183	EA	Remote Air-Cooled, Stainless Steel, Ice Maker (Hoshizaki America KM-2100)	16,908.94	228.02
11 44 19 00-0184	EA	Anti-microbial, Individual Crescent Cube, Stainless Steel, Ice Maker (Hoshizaki America KM-2100/2500S_H3)	18,566.28	228.02
11 44 19 00-0185	EA	2,400 BTU, 1/3 HP, Air-Cooled, Stainless Steel, Leg Mounted, Under Counter Ice Maker (Hoshizaki America F-330BAJ-c).....	7,436.53	202.69
11 44 19 00-0186	EA	24" Wide, Energy Efficient, Stainless Steel, Built-in Dishwasher (Kenmore 14743)	1,483.25	89.73
11 44 19 00-0187	EA	3.7 CF, 27"W x 29-1/4"D x 39"H, Energy Efficient, Full Size, White Front-loading Washing Machine (Kenmore 41272)	2,143.46	89.73
11 44 19 00-0188	EA	30" Wide, Slide In, Electric Coil, Black Top, Stainless Steel, Electric Range (Kenmore 46762)	2,489.68	89.73
11 44 19 00-0189	EA	15.0 CF, Top Freezer Compartment With Self Defrosting, Reversible Door, White Refrigerator (Kenmore 60302)	991.73	44.87
11 44 19 00-0190	EA	30" Stainless Steel, Vent Less Range Hood (Kenmore 22-51840)	413.84	67.31
11 44 19 00-0191	EA	22.89 CF, 33" W x 66 1/2" H x 34 3/4" D, Tall Through-the-door Dispenser With Light And Ultra Ice® Stainless Steel Water Filtration System With Indicator Light (Kenmore 46-51313)	1,706.57	44.87
11 44 19 00-0192	EA	Gas Fired, Adjustable Conveyor Speed, Single Level, Dual Air Return, Stainless Steel, Conveyor Oven (Middleby Marshall PS636G-1)	32,469.84	152.02
11 44 19 00-0193	EA	Stainless Steel, Gas Fired, Standing Pilot, Conventional Oven (Montague 124-5)	11,350.40	89.73
11 44 19 00-0194	EA	3/4" Thick, 36" Flat-top, 100,000 BTU, Manual Control, Heavy-Duty Range (Montague 136-8)	16,499.93	139.35
11 44 19 00-0195	EA	3/4" Thick Flat Top, 80,000 BTU, Thermostatic Control, Heavy-Duty Range (Montague C36-8T)	16,575.89	139.35
11 44 19 00-0196	EA	36", 114,000 BTU, Low Profile, Heavy-duty Counter Top With Six Burners (Montague Gas Range V136LB/UFLC-36R)	38,589.96	101.34
11 44 19 00-0197	EA	24", 140,000 BTU, Gas Fired, Standing Pilot, Stainless Steel, Convection Oven With Four 12" Burners (Montague Legend 124-5)	11,480.05	154.56
11 44 19 00-0198	EA	36", 110,000 BTU, Gas Fired, Open Top, Standing Pilot, Stainless Steel, Convection Oven With Two Round French Style Hot Tops (Montague Legend 136-9A)	14,075.77	172.28
11 44 19 00-0199	EA	225,000 BTU, Gas fired, Open Top, Standing Pilot, Stainless Steel, Convection Oven With Six Burners (Montague Legend V136-5)	14,075.77	172.28
11 44 19 00-0200	EA	36", 165,000 BTU, Gas Fired, Open Top, Standing Pilot, Stainless Steel, Convection Oven With Four Burners (Montague Legend V136-5A)	14,075.77	172.28
11 44 19 00-0201	EA	63,000 BTU, Gas Fired, Double Deck, Stainless Steel, Convection Oven (Montague Vectaire HX2-63A)	32,067.26	202.69
11 44 19 00-0202	EA	Ultra Continuous Feed Combination Food Processor. (Robot Coupe R 2 N)	2,293.25	258.47
11 44 19 00-0203	EA	Low Noise, Aluminum Alloy, Water Cooled Motor (Salvajor 750)	5,203.86	67.31
11 44 19 00-0204	EA	Low Flow, Backflow Prevention, Stainless Steel, Trough Collector (Salvajor S419)	14,115.60	247.03
11 44 19 00-0205	EA	92 GPH, Electronic Automatic Control, Stainless Steel, Dishwasher (Stero SDR-A-PKG)	30,766.26	186.39
11 44 19 00-0206	EA	3-phase, Microprocessor Controlled, Air-cooled, Stainless Steel, Freezer (Taylor C723)	18,159.79	44.87
11 44 19 00-0207	EA	52-1/8"L x 35"D x 83-1/4"H, 1/3 HP, Microprocessor Controlled, Reach-in, Caster Mounted, Refrigerator (Traulsen G2000)	8,602.18	212.83
11 44 19 00-0208	EA	120 VAC, Wet Operation Only, Single Well, Round, Deep Drawn Stainless Steel, Cook'N Hold Built-in Food Warmer With Drain (Wells HW106D).....	1,548.62	212.83
11 44 19 00-0209	EA	120 VAC, 3, 4, And 5 Well, Wet Or Dry Operation, Rectangular, Deep Drawn Stainless Steel, Built-in Modular Food Warmer (Wells MOD300DM).....	3,844.79	212.83
11 44 19 00-0210	EA	120 VAC, 3, 4, And 5 Well, Wet Or Dry Operation, Rectangular, Deep Drawn Stainless Steel, Built-in Modular Food Warmer (Wells MOD400DM).....	5,408.72	212.83
11 44 19 00-0211	EA	120 VAC, 3, 4, And 5 Well, Wet Or Dry Operation, Rectangular, Deep Drawn Stainless Steel, Built-in Modular Food Warmer (Wells MOD500DM).....	6,568.86	212.83
11 44 19 00-0212	EA	Adjustable Radiant Flame, Thermostatically Controlled, Hearth Pizza Oven (Woodstone WS-FD-6045-RFG-L-IR-NG)	49,768.78	101.34

11 44 19 00-0213 Other Kettles (11 44 19)

11 44 19 00-0214	EA	20 QT Trunion Kettle With Stand (Groen TDC/320)	5,193.05	123.64
11 44 19 00-0215	EA	40 QT Trunion Kettle With Stand (Groen TDA/140).....	8,166.56	123.64

11 44 19 00-0216 Charbroilers (11 44 19)

11 44 19 00-0217	EA	80,000 BTU, 26-13/16" Length x 24" Width x 16-5/16" Height, Gas Countertop Lava Briquette Charbroiler (Cooking Performance Group CBL24).....	825.20	89.73
11 44 19 00-0218	EA	40,000 BTU, 26-13/16" Length x 15" Width x 16-5/16" Height, Gas Countertop Radiant Charbroiler (Cooking Performance Group CBR15)	690.96	119.62
11 44 19 00-0219	EA	70,000 BTU, 27-1/2" Length x 24" Width x 15" Height, Gas Countertop Radiant Charbroiler (Avantco AG24RC)	481.32	89.73
11 44 19 00-0220	EA	80,000 BTU, 26-13/16" Length x 24" Width x 16-5/16" Height, Gas Countertop Radiant Charbroiler (Cooking Performance Group CBR24)	863.07	102.57
11 44 19 00-0221	EA	80,000 BTU, 26-13/16" Length x 24" Width x 41-5/16" Height, Radiant Charbroiler With Storage Base (Cooking Performance Group 24CBRSBNL)	1,412.37	102.57
11 44 19 00-0222	EA	105,000 BTU, 27-1/2" Length x 36" Width x 15" Height, Gas Countertop Radiant Charbroiler (Avantco AG36RC)	885.05	119.62
11 44 19 00-0223	EA	120,000 BTU, 26-13/16" Length x 36" Width x 16-5/16" Height, Gas Countertop Radiant Charbroiler (Cooking Performance Group CBR36)	1,129.19	119.62
11 44 19 00-0224	EA	120,000 BTU, 32-1/8" Length x 36-3/8" Width x 40-13/16" Height, Gas Radiant Charbroiler With 2 Drawer Refrigerated Chef Base (Cooking Performance Group 36CBRRBNL)	2,654.03	143.57
11 44 19 00-0225	EA	120,000 BTU, 36-3/8" Length x 32-1/8" Width x 24-1/2" Height, Gas Lava Briquette Charbroiler With 2 Drawer Refrigerated Chef Base (Cooking Performance Group 36CBLRBNL)	2,666.24	143.57
11 44 19 00-0226	EA	120,000 BTU, 26-13/16" Length x 36" Width x 41-5/16" Height, Gas Radiant Charbroiler With Cabinet Base (Cooking Performance Group 36CBRSBNL).....	1,666.28	119.62

Equipment			11
Foodservice Equipment			11 40
Food Cooking Equipment			11 44

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 44 19 00-0227	EA		140,000 BTU, 32-1/8" Length x 51-7/8" Width x 24-1/2" Height, Heavy-Duty Gas Griddle And Gas Lava Briquette Charbroiler With 2 Drawer Refrigerated Chef Base (Cooking Performance Group 24GTCLBNL)	3,777.05	143.57
11 44 19 00-0228	EA		140,000 BTU, 32-1/8" Length x 51-7/8" Width x 24-1/2" Height, Heavy-Duty Gas Griddle And Gas Radiant Charbroiler With 2 Drawer Refrigerated Chef Base (Cooking Performance Group 24GTCRBNL)	3,764.84	143.57
11 44 19 00-0229	EA		140,000 BTU, 32-1/8" Length x 51-7/8" Width x 24 1/2" Height, Gas Griddle And Gas Radiant Charbroiler With 2 Drawer Refrigerated Chef Base (Cooking Performance Group 24GMCRBNL)	3,545.12	143.57
11 44 19 00-0230	EA		160,000 BTU, 26-13/16" Length x 48" Width x 16-5/16" Height, Gas Countertop Radiant Charbroiler (Cooking Performance Group CBR48)	1,529.56	179.47
11 44 19 00-0231	EA		160,000 BTU, 32-1/8" Length x 51-7/8" Width x 24-1/2" Height, Gas Radiant Charbroiler With 2 Drawer Refrigerated Chef Base (Cooking Performance Group 48CBRRBNL)	3,043.19	179.47
11 44 19 00-0232	EA		200,000 BTU, 30-1/2" Length x 60" Width x 16-3/4" Height, Gas Radiant Charbroiler (Cooking Performance Group CBR60-NG(CPG))	1,883.56	179.47
11 44 19 00-0233	EA		200,000 BTU, 30-1/2" Length x 60" Width x 16-3/4" Height, Gas Radiant Charbroiler With 4 Drawer Refrigerated Chef Base (Cooking Performance Group 60CBRRBNL)	3,775.60	179.47

11 46 Food Dispensing Equipment (11 40)

11 46 13 Bar Equipment (11 46)

11 46 13 00-0001 Soft Serve Machines (11 46 13)

11 46 13 00-0002	EA		Soft Serve Machines, Medium	13,581.36	119.79
11 46 13 00-0003	EA		Soft Serve Machines, Large	22,917.98	146.34

11 46 13 00-0004 Salad Bars (11 46 13)

11 46 13 00-0005	EA		96" Refrigerated Salad Bar With Light 54" Height	15,201.82	479.13
11 46 13 00-0006	EA		96" Refrigerated Salad Bar Without Light 54" Height	13,933.45	479.13
11 46 13 00-0007	EA		96" Iced Salad Bar Without Light 54" Height	9,816.59	263.24
11 46 13 00-0008	EA		79" Iced Salad Bar Without Light 54" Height	7,761.54	216.26
11 46 13 00-0009	EA		79" Refrigerated Salad Bar Without Light 54" Height	11,794.05	317.27
11 46 13 00-0010	EA		114" Iced Salad Bar 34" Height	13,008.72	281.04
11 46 13 00-0011	EA		Salad Bar Tray Fixed	1,711.68	47.60
11 46 13 00-0012	EA		Salad Bar Tray Hinged	1,821.37	47.60

11 46 16 Service Line Equipment (11 46)

11 46 16 00-0001 Food Warmer Holding Station (11 46 16)

11 46 16 00-0002	EA		Food Warmer Station And Heat Lamp	830.23	18.48
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11 46 16 00-0003 Reach-In Food Warmers (11 46 16)

11 46 16 00-0004	EA		One Drawer, 16 Roll Capacity Food Warmer	1,786.61	39.78
11 46 16 00-0005	EA		Three Drawer, 36 Roll Capacity Food Warmer	4,088.54	91.12

11 46 16 00-0006 Countertop Food Warmer (11 46 16)

11 46 16 00-0007	EA		12" x 20", 1500 Watt, 120 Voltage, Full Size Electric Countertop Food Cooker / Warmer (Avantco W50CKR)	196.98	31.97
11 46 16 00-0008	EA		12" x 20", 1200 Watt, 120 Voltage, Full Size Electric Countertop Food Warmer (Avantco W50)	172.63	31.97
11 46 16 00-0009	EA		12" x 20", 1200 Watt, 120 Voltage, Full Size Electric Countertop Food Warmer / Topping Station With 1 Condiment Pump And (1) 7 Quart Inset With Lid And Ladle (Avantco WK12007PL)	529.65	31.97
11 46 16 00-0010	EA		12" x 20", 1200 Watt, 120 Voltage, Full Size Electric Countertop Food Warmer / Soup Station With 3 Insets, 3 Covers, And 3 (3 Ounce) Ladles (Avantco WK12004X3)	365.70	31.97

11 46 16 00-0011 Hot Cabinets With Top Wells Electric (11 46 16)

11 46 16 00-0012	EA		2 Wells, 2 Compartments Hot Cabinet With Top Wells, Electric	9,530.53	176.69
11 46 16 00-0013	EA		3 Wells, 3 Compartments Hot Cabinet With Top Wells, Electric	13,616.42	253.23

11 46 16 00-0014 Portable Hot Food Units (11 46 16)

11 46 16 00-0015	EA		46" Wide x 28" Deep x 34" Height, Three Well, Stainless Steel Hot Food Station (Vollrath Model 37030)	5,461.08	
11 46 16 00-0016	EA		60" Wide x 28" Deep x 34" Height, Four Well, Stainless Steel Hot Food Station (Vollrath Model 37040)	6,254.50	
11 46 16 00-0017	EA		74" Wide x 28" Deep x 34" Height, Five Well, Stainless Steel Hot Food Station (Vollrath Model 37050)	7,069.88	

11 46 16 00-0018 Stationary Hot Food Units (11 46 16)

11 46 16 00-0019	EA		46" Wide x 29-1/2" Deep x 34" Height, Three Well, Stainless Steel Hot Food Station (Vollrath Model 38203)	1,654.13	35.98
11 46 16 00-0020	EA		61-1/4" Wide x 29-1/2" Deep x 34" Height, Four Well, Stainless Steel Hot Food Station (Vollrath Model 38204)	2,219.33	41.42
11 46 16 00-0021	EA		76" Wide x 29-1/2" Deep x 34" Height, Five Well, Stainless Steel Hot Food Station (Vollrath Model 38205)	2,763.33	53.05

11 46 16 00-0022 Serving Counters (11 46 16)

11 46 16 00-0023	LF		11" Deep, Tray Slide With 3 Raised Reinforced Ribs And Backing Plate, 316 Stainless Steel Solid Surface, Straight Section	108.41	41.35
11 46 16 00-0024	LF		11" Deep, Tray Slide With 3 Raised Reinforced Ribs And Backing Plate, 316 Stainless Steel Solid Surface, Curved Section	141.01	63.34

11 46 16 00-0025 Drop-In Equipment (11 46 16)

11 46 16 00-0026	EA		Hot Food Well, Rectangular	575.87	131.74
11 46 16 00-0027	EA		Hot Food Well, Circular	527.07	131.74
11 46 16 00-0028	EA		Refrigerated Well, 2 Compartment	2,053.71	131.74
11 46 16 00-0029	EA		Refrigerated Well, 3 Compartment	2,333.61	146.34

11 Equipment**11 40 Foodservice Equipment****11 46 Food Dispensing Equipment**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
11 46 16 00-0030	EA	Refrigerated Well, 4 Compartment		2,651.52	164.68
11 46 16 00-0031	EA	Frost Cold Plate		2,269.52	146.34
11 46 16 00-0032 Beverage Dispensing (11 46 16)					
11 46 16 00-0033	EA	Coffee Urn, Twin 3 Gallon.....		3,726.17	221.93
11 46 16 00-0034	EA	Coffee Urn, Twin 6 Gallon.....		5,306.93	310.65
11 46 16 00-0035	EA	Coffee Brewer, 5 Burner		1,541.98	221.93
11 46 16 00-0036	EA	Hot Chocolate Dispenser		1,500.28	182.79
11 46 16 00-0037	EA	Iced Tea Brewer		2,195.80	182.79
11 46 16 00-0038	EA	Juice Dispenser (Concentrate)		1,561.19	292.48
11 46 16 00-0039	EA	Jet Spray Dispenser.....		2,232.84	292.78
11 46 16 00-0040	EA	Milk Dispenser, Bulk, 2 Flavor		1,886.35	164.68
11 46 16 00-0041	EA	Milk Dispenser, Bulk, 3 Flavor		2,581.87	164.68
11 46 16 00-0042 Dish Dispensers (11 46 16)					
11 46 16 00-0043	EA	Heated Plate Lift; Adjustable Plate Storage And Transport (Adcraft ADC-LR-2)		2,023.26	31.97
11 46 16 00-0044	EA	12" Diameter, Drop-in, Dish Dispenser		762.05	32.03
11 46 16 00-0045	EA	Drop-in, Cup And Glass Dispenser.....		1,292.52	99.60
11 46 16 00-0046	EA	Drop-in, Disposable Cup Dispenser.....		471.94	22.44
11 46 16 00-0047 Tray And Silver Dispensers (11 46 16)					
11 46 16 00-0048	EA	Tray And Silver Dispensers Mobile.....		2,988.02	22.44
11 46 16 00-0049 Condiment Dispensers (11 46 16)					
11 46 16 00-0050	EA	Butter Pat Dispenser.....		170.78	28.08
11 46 16 00-0051	EA	Bread Dispenser, Counter Top		490.48	28.08
11 46 16 00-0052 Sandwich Rack Warmer (11 46 16)					
11 46 16 00-0053	EA	18 Compartment, 2 Tier Sandwich Rack Warmer.....		3,776.33	147.46
11 46 16 00-0054 Mobile Bread Counter (11 46 16)					
11 46 16 00-0055	EA	Mobile Bread And Roll Counter		8,666.78	331.51
11 46 16 00-0056 Open Service Stand (11 46 16)					
11 46 16 00-0057	EA	6' Open Service Stand		3,326.72	110.66
11 46 16 00-0058	LF	Each Additional Foot Over 6 Foot Add		455.10	14.96
11 46 16 00-0059 Mobile Serving Stand Unit (11 46 16)					
11 46 16 00-0060	EA	36" Mobile Serving Stand Unit		2,905.91	105.84
11 46 16 00-0061	EA	96" Mobile Serving Stand Unit		4,775.75	158.64
11 46 16 00-0062 Reach-In Heated Cabinets (11 46 16)					
11 46 16 00-0063	EA	Heated Cabinet, Reach-in, 1 Compartment.....		5,828.77	168.94
11 46 16 00-0064	EA	Heated Cabinet, Reach-in, 2 Compartment.....		8,405.19	212.52
11 46 16 00-0065	EA	Heated Cabinet, 1 Compartment, Pass-Through Roll-In		6,103.32	168.94
11 46 16 00-0066	EA	Heated Cabinet, Pass-Through, Roll-In 2 Compartment.....		8,804.20	212.52
11 46 16 00-0067 Sneeze Guard (11 46 16)					
11 46 16 00-0068	LF	2 Panel Sneeze Guard With Attachments.....		362.58	64.19
11 46 16 00-0069 Mobile Heated Cabinets (11 46 16)					
11 46 16 00-0070	EA	Mobile, Heated Cabinet		6,579.29	56.08
11 46 16 00-0071 Smoothie Machine (11 46 16)					
11 46 16 00-0072	EA	Smoothie Machines 3-1/2 HP Commercial Blender With Toggle Control And Two 64 Ounce Polycarbonate Containers (Avamix BX2000T2J)		401.89	31.97
11 46 16 00-0073	EA	Smoothie Machines 3-1/2 HP Commercial Blender With Toggle Control And One 64 Ounce Polycarbonate Container (Avamix BX2000T).....		353.08	31.97
11 46 16 00-0074	EA	Smoothie Machines 3-1/2 HP Commercial Blender With Toggle Control, Adjustable Speed, And Two 64 Ounce Polycarbonate Containers (Avamix BX2000V2J)		426.92	31.97
11 46 16 00-0075	EA	Smoothie Machines 3-1/2 HP Commercial Blender With Touchpad Control, Adjustable Speed, And Two 64 Ounce Polycarbonate Containers (Avamix BX2100E2J)		439.44	31.97
11 46 16 00-0076	EA	Smoothie Machines 2 HP Commercial Blender With Toggle Control And 64 Ounce Polycarbonate Container (Avamix BL2T64).....		235.12	31.97
11 46 16 00-0077 Refrigerated Buffet Display Table (11 46 16)					
11 46 16 00-0078	EA	35" Stainless Steel Refrigerated Buffet Display Table, Cooling Serving Stations (Turbo Air JBT-36-N).....		3,523.63	31.97
11 46 16 00-0079	EA	47" Stainless Steel Refrigerated Buffet Display Table, Cooling Serving Stations (Turbo Air JBT-48-N).....		4,666.30	31.97
11 46 16 00-0080	EA	59" Stainless Steel Refrigerated Buffet Display Table, Cooling Serving Stations (Turbo Air JBT-60-N).....		5,390.17	31.97
11 46 16 00-0081	EA	71" Stainless Steel Refrigerated Buffet Display Table, Cooling Serving Stations (Turbo Air JBT-72-N).....		6,311.64	31.97

			Equipment	11	
			Foodservice Equipment	11 40	↕
			Food Dispensing Equipment	11 46	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

11 46 16 00-0082			Refrigerated Bakery Display Case (11 46 16)		
11 46 16 00-0083	EA		26-1/2" Length x 36" Width x 48" Height, 36" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Avantco BC36HCW).....	1,841.86	22.44
11 46 16 00-0084	EA		26-1/2" Length x 47-7/8" Width x 48" Height, 48" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, Black (Avantco BC48HCB).....	2,111.53	22.44
11 46 16 00-0085	EA		26-1/2" Length x 59-2/3" Width x 48" Height, 48" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Avantco BC48HCW).....	2,117.90	25.66
11 46 16 00-0086	EA		26-1/2" Length x 59-2/3" Width x 48" Height, 60" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, Black (Avantco BC60HCB).....	2,297.69	25.66
11 46 16 00-0087	EA		26-1/2" Length x 59-2/3" Width x 48" Height, 60" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Avantco BC60HCW).....	2,297.69	25.66
11 46 16 00-0088	EA		26-1/2" Length x 71-1/2" Width x 48" Height, 72" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, Black (Avantco BC72HCB).....	2,943.27	25.66
11 46 16 00-0089	EA		26-1/2" Length x 72-1/2" Width x 48" Height, 72" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Bakery Display Case, White (Avantco 193BC72HCW).....	2,943.27	25.66
11 46 16 00-0090	EA		27-1/2" Length x 35-3/8" Width x 44-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 2 Doors, 36 To 43 Degrees Fahrenheit Temperature Range, Refrigerant R-290, Full Service Two Tier Refrigerated Bakery Display Case, White (Turbo Air TBP3646NW).....	3,704.91	29.88
11 46 16 00-0091	EA		27-1/2" Length x 35-3/8" Width x 44-3/8" Height, 35-1/2" Square Glass, 1 Shelf, 2 Doors, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, Black (Turbo Air TBP3646FN).....	4,707.57	29.88
11 46 16 00-0092	EA		27-1/2" Length x 35-3/8" Width x 44-3/8" Height, 35-1/2" Square Glass, 1 Shelf, Two Doors, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP3646NN).....	3,704.91	29.88
11 46 16 00-0093	EA		27-1/2" Length x 35-3/8" Width x 44-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Two Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP3646FW).....	4,707.57	29.88
11 46 16 00-0094	EA		27-1/2" Length x 35-3/8" Width x 52-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Three Tier Refrigerated Bakery Display Case, White (Turbo Air TBP3654NW).....	3,924.08	29.88
11 46 16 00-0095	EA		27-1/2" Length x 35-3/8" Width x 52-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP3654F).....	3,924.08	29.88
11 46 16 00-0096	EA		27-1/2" Length x 35-3/8" Width x 52-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP3654NN).....	3,924.08	29.88
11 46 16 00-0097	EA		27-1/2" Length x 47-1/4" Width x 44-3/8" Height, 47" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP4846NN).....	4,170.13	29.88
11 46 16 00-0098	EA		27-1/2" Length x 47-1/4" Width x 44-3/8" Height, 47" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Two Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP4846FW).....	5,300.78	29.88
11 46 16 00-0099	EA		27-1/2" Length x 47-1/4" Width x 44-3/8" Height, 47" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case, White (Turbo Air TBP4846NW).....	4,170.13	29.88
11 46 16 00-0100	EA		27-1/2" Length x 47-1/4" Width x 44-3/8" Height, 47" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Two Tier Drop-In Refrigerated Bakery Display Case (Turbo Air TBP4846FD).....	4,992.42	29.88
11 46 16 00-0101	EA		27-1/2" Length x 47-1/4" Width x 44-3/8" Height, 47" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Two Tier Black Refrigerated Bakery Display Case With Lift-Up Front Glass (Turbo Air TBP4846FN).....	5,300.78	29.88
11 46 16 00-0102	EA		27-1/2" Length x 47-1/4" Width x 52-3/8" Height, 47" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP4854FW).....	5,614.80	29.88
11 46 16 00-0103	EA		27-1/2" Length x 47-1/4" Width x 52-3/8" Height, 47" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case, White (Turbo Air TBP4854NW).....	4,416.77	29.88
11 46 16 00-0104	EA		27-1/2" Length x 47-1/4" Width x 52-3/8" Height, 47" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Drop-In Refrigerated Bakery Display Case (Turbo Air TBP4854FD).....	5,288.04	29.88
11 46 16 00-0105	EA		27-1/2" Length x 47-1/4" Width x 52-3/8" Height, 47" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Black Refrigerated Bakery Display Case With Lift-Up Front Glass (Turbo Air TBP4854FN).....	5,614.80	29.88
11 46 16 00-0106	EA		27-1/2" Length x 47-1/4" Width x 52-3/8" Height, 47" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP4854NN).....	4,416.77	29.88
11 46 16 00-0107	EA		27-1/2" Length x 59" Width x 44-3/8" Height, 59" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP6046FW).....	5,809.33	29.88
11 46 16 00-0108	EA		27-1/2" Length x 59" Width x 44-3/8" Height, 59" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Full Service Two Tier Drop-In Refrigerated Bakery Display Case (Turbo Air TBP6046FD).....	5,471.24	29.88
11 46 16 00-0109	EA		27-1/2" Length x 59" Width x 44-3/8" Height, 59" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, Black (Turbo Air TBP6046FN).....	5,809.33	29.88
11 46 16 00-0110	EA		27-1/2" Length x 59" Width x 44-3/8" Height, 59" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP6046NN).....	5,809.33	29.88
11 46 16 00-0111	EA		27-1/2" Length x 59" Width x 44-3/8" Height, 59" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP6054FD).....	5,795.74	29.88
11 46 16 00-0112	EA		27-1/2" Length x 59" Width x 52-3/8" Height, 36" Curved Glass, 2 Shelves, 2 Doors, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, Black (Avantco 193BC36HCB).....	1,862.23	32.66
11 46 16 00-0113	EA		27-1/2" Length x 59" Width x 52-3/8" Height, 59" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP6054FW).....	6,159.60	32.66
11 46 16 00-0114	EA		27-1/2" Length x 59" Width x 52-3/8" Height, 59" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case, White (Turbo Air TBP6054NW).....	4,845.19	32.66
11 46 16 00-0115	EA		27-1/2" Length x 35-3/8" Width x 52-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP3654FW).....	4,987.05	29.88
11 46 16 00-0116	EA		34-1/4" Length x 36-1/2" Width x 50-1/8" Height, 36" Curved Glass, 2 Shelves, R-290 Refrigerant, Full Service Dry Refrigerated Bakery Display Case, White (Turbo Air TCGB36RVN).....	2,228.44	32.66
11 46 16 00-0117	EA		34-1/4" Length x 36-1/2" Width x 50-1/8" Height, 36" Flat Glass, 2 Shelves, R-290 Refrigerant, Open, Full Service Refrigerated Bakery Display Case, Black (Turbo Air TCGB36FBN).....	6,362.34	32.66
11 46 16 00-0118	EA		34-1/4" Length x 36-1/2" Width x 50-1/8" Height, 36" Flat Glass, 2 Shelves, R-290 Refrigerant, Open, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB36FWN).....	6,362.34	32.66
11 46 16 00-0119	EA		34-1/4" Length x 36-1/2" Width x 50-1/8" Height, 36" Curved Glass, 2 Shelves, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB362WN).....	6,362.34	32.66
11 46 16 00-0120	EA		34-1/4" Length x 48-1/2" Width x 50-1/8" Height, 48" Curved Glass, 2 Shelves, R-290 Refrigerant, Full Service Refrigerated Dry Bakery Display Case, White (Turbo Air TCGB48DWN).....	5,093.35	32.66

11	11 Equipment
	11 40 Foodservice Equipment
	11 46 Food Dispensing Equipment



MINOR				TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST		UNIT COST
11 46 16 00-0121	EA	34-1/4" Length x 48-1/2" Width x 50-1/8" Height, 48" Flat Glass, 2 Shelves, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Open, Refrigerated Bakery Display Case, Black (Turbo Air TCGB48FBN)	7,658.63		32.66	
11 46 16 00-0122	EA	34-1/4" Length x 48-1/2" Width x 50-1/8" Height, 48" Flat Glass, 2 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB48FWN)	7,658.63		32.66	
11 46 16 00-0123	EA	34-1/4" Length x 48-1/2" Width x 50-1/8" Height, 48" Curved Glass, 2 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB482WN)	7,658.63		32.66	
11 46 16 00-0124	EA	34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Curved Glass, 2 Shelves, R-290 Refrigerant, Full Service Refrigerated Dry Bakery Display Case, White (Turbo Air TCGB60DWN)	5,853.87		32.66	
11 46 16 00-0125	EA	34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Flat Glass, 2 Shelves, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, Black (Turbo Air TCGB60FBN)	7,778.97		32.66	
11 46 16 00-0126	EA	34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Flat Glass, 2 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Open, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB60FWN)	15,465.72		32.66	
11 46 16 00-0127	EA	34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Curved Glass, 4 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Dry Refrigerated Bakery Display Case, White (Turbo Air TCGB602WN)	15,465.72		32.66	
11 46 16 00-0128	EA	34-1/4" Length x 72-1/2" Width x 50-1/8" Height, 72" Curved Glass, 2 Shelves, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB722WN)	8,134.37		35.89	
11 46 16 00-0129		Dry Bakery Display Case (11 46 16)				
11 46 16 00-0130	EA	26-1/2" Length x 36" Width x 48" Height, 36" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, Black (Avantco BCD36B)	1,583.65		22.44	
11 46 16 00-0131	EA	26-1/2" Length x 36" Width x 48" Height, 36" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Avantco BCD36W)	1,583.65		22.44	
11 46 16 00-0132	EA	26-1/2" Length x 47.8" Width x 48" Height, 48" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, Black (Avantco BCD48B)	1,754.72		22.44	
11 46 16 00-0133	EA	26-1/2" Length x 47.8" Width x 48" Height, 48" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Avantco BCD48W)	1,754.72		22.44	
11 46 16 00-0134	EA	26-1/2" Length x 59-2/3" Width x 48" Height, 60" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, Black (Avantco BCD60B)	2,017.70		25.66	
11 46 16 00-0135	EA	26-1/2" Length x 59-2/3" Width x 48" Height, 60" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Avantco BCD60W)	2,402.61		25.66	
11 46 16 00-0136	EA	26-1/2" Length x 71-1/2" Width x 48" Height, 72" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, Black (Avantco BCD72B)	2,351.29		25.66	
11 46 16 00-0137	EA	26-1/2" Length x 71-1/2" Width x 48" Height, 72" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Avantco BCD72W)	2,351.29		25.66	
11 46 16 00-0138	EA	27-1/2" Length x 36-3/8" Width x 44-3/8" Height, 73-11/16" Curved Glass, 1 Shelf, 2 Doors, Full Service Dry Bakery Display Case, Black (Beverage-Air TBP3646FN)	4,924.66		29.88	
11 46 16 00-0139	EA	27-1/2" Length x 36-3/8" Width x 44-3/8" Height, 73-11/16" Curved Glass, 1 Shelf, 2 Doors, Full Service Dry Bakery Display Case, White (Beverage-Air TBP3646FW)	9,789.47		29.88	
11 46 16 00-0140	EA	34-1/4" Length x 72-1/2" Width x 50-1/8" Height, 72" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Turbo Air TCGB72DWN)	6,052.61		35.89	
11 46 16 00-0141	EA	35-3/4" Length x 37-1/4" Width x 48-9/16" Height, 37-1/4" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Beverage-Air CDR3HCWD)	4,776.55		32.66	
11 46 16 00-0142	EA	35-3/4" Length x 36-1/4" Width x 48-9/16" Height, 37-1/4" Curved Glass, 2 Shelves, 2 Doors, Dry Bakery Display Case, Black (Beverage-Air CDR3HCBD)	4,776.55		32.66	
11 46 16 00-0143	EA	35-3/4" Length x 49-1/4" Width x 48-9/16" Height, 49-1/4" Curved Glass, 2 Shelves, 2 Doors, Full Service Dry Bakery Display Case, Black (Beverage-Air CDR4HCBD)	4,776.55		32.66	
11 46 16 00-0144	EA	35-3/4" Length x 49-1/4" Width x 48-9/16" Height, 49-1/4" Curved Glass, 2 Doors, 2 Shelves, Dry Bakery Display Case, White (Beverage-Air CDR4HCWD)	4,776.55		32.66	
11 46 16 00-0145	EA	35-3/4" Length x 60-1/4" Width x 48-9/16" Height, 60-1/4" Curved Glass, 2 Shelves, 2 Doors, Dry Bakery Display Case, Black (Beverage-Air CDR5HCBD)	4,967.73		32.66	
11 46 16 00-0146	EA	35-3/4" Length x 60-1/4" Width x 48-9/16" Height, 60-1/4" Curved Glass, 2 Shelves, 2 Doors, Full Service Dry Bakery Display Case, White (Beverage-Air CDR5HCWD)	4,967.73		32.66	
11 46 16 00-0147	EA	35-3/4" Length x 73-11/16" Width x 48-9/16" Height, 73-11/16" Curved Glass, 2 Shelves, 2 Doors, Full Service Dry Bakery Display Case, Black (Beverage-Air CDR6HCBD)	5,371.16		35.89	
11 46 16 00-0148	EA	35-3/4" Length x 73-11/16" Width x 48-9/16" Height, 73-11/16" Curved Glass, 2 Shelves, 2 Doors, Full Service Dry Bakery Display Case, White (Beverage-Air CDR6HCWD)	5,371.16		35.89	
11 46 16 00-0149		Dual Dry/Refrigerated Bakery Display Case (11 46 16)				
11 46 16 00-0150	EA	34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Flat Glass, 4 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Dual Dry/Refrigerated Bakery Display Case, Black (Turbo Air TCGB60UFCBON)	16,789.71		32.66	
11 46 16 00-0151	EA	34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Flat Glass, 4 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Dual Dry/Refrigerated Bakery Display Case, White (Turbo Air TCGB60UFCOWN)	16,789.71		32.66	
11 46 16 00-0152	EA	34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Curved Glass, 4 Shelves, 33 To 41 Degrees Fahrenheit Temperature Range, Refrigerant R-290, Full Service Dual Dry/Refrigerated Bakery Display Case, White (Turbo Air TCGB60COWN)	16,789.71		32.66	
11 46 16 00-0153	EA	34-1/4" Length x 72-1/2" Width x 50-1/8" Height, 72" Curved Glass, 2 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Dual Dry/Refrigerated Bakery Display Case, White (Turbo Air TCGB72UFCOWN)	16,796.26		35.89	
11 46 16 00-0154	EA	34-1/4" Length x 72-1/2" Width x 50-1/8" Height, 72" Curved Glass, 4 Shelves, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Dual Dry/Refrigerated Bakery Display Case, White (Turbo Air TCGB72COWN)	17,240.61		35.89	
11 46 16 00-0155		Refrigerated Deli Case (11 46 16)				
11 46 16 00-0156	EA	30" Length x 72-1/2" Width x 41-7/8" Height, 72" Low Profile Curved Glass, 1 Shelf, Sliding Door, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Turbo Air TCDD72LWN)	7,578.78		119.62	

		Equipment	11	
		Foodservice Equipment	11 40	
		Food Dispensing Equipment	11 46	

MINOR		CSI UOM DESCRIPTION		TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
11 46 16 00-0157	EA	30" Length x 72-1/2" Width x 50-1/8" Height, 72" Curved Glass, 2 Shelves, Sliding Door, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Turbo Air TCDD72HWN)	7,578.78		119.62
11 46 16 00-0158	EA	30" Length x 96-1/2" Width x 41-7/8" Height, 96" Low Profile Curved Glass, 1 Shelf, Sliding Door, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Turbo Air TCDD96LWN)	8,677.33		119.62
11 46 16 00-0159	EA	30" Length x 96-1/2" Width x 5-1/8" Height, 96" Curved Glass, 1 Shelf, Sliding Door, 33 To 41 Degree Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Turbo Air TCDD96HWN)	8,677.33		119.62
11 46 16 00-0160	EA	32-1/2" Length x 36-1/4" Width x 42-7/8" Height, 36" Curved Glass, 4 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, Black (Avantco DLC36HCB).....	1,792.38		71.79
11 46 16 00-0161	EA	32-1/2" Length x 36-1/4" Width x 42-7/8" Height, 36" Curved Glass, 4 Shelves, 2 Doors, Sliding Doors, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Stainless Steel Refrigerated Deli Case (Avantco DLC36HCS).....	1,948.31		71.79
11 46 16 00-0162	EA	32-1/2" Length x 36-1/4" Width x 42-7/8" Height, 36" Curved Glass, 4 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Avantco DLC36HCW).....	1,792.38		71.79
11 46 16 00-0163	EA	32-1/2" Length x 47-1/4" Width x 42-7/8" Height, 47" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, Black (Avantco DLC47HCB).....	2,033.45		89.73
11 46 16 00-0164	EA	32-1/2" Length x 47-1/4" Width x 42-7/8" Height, 47" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Stainless Steel Refrigerated Deli Case (Avantco DLC47HCS).....	2,205.80		89.73
11 46 16 00-0165	EA	32-1/2" Length x 64-1/3" Width x 42-7/8" Height, 64" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Avantco DLC64HCW).....	2,388.76		119.62
11 46 16 00-0166	EA	32-1/2" Length x 64-1/4" Width x 42-7/8" Height, 64" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, Black (Avantco DLC64HCB).....	2,388.76		119.62
11 46 16 00-0167	EA	32-1/2" Length x 64-1/4" Width x 42-7/8" Height, 64" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Stainless Steel Refrigerated Deli Case (Avantco DLC64HCS).....	2,692.42		119.62
11 46 16 00-0168	EA	32-1/2" Length x 64-1/4" Width x 42-7/8" Height, 47" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Avantco DLC47HCW).....	2,093.30		119.62
11 46 16 00-0169	EA	32-1/2" Length x 82" Width x 42-7/8" Height, 82" Curved Glass, 9 Shelves, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, Black (Avantco DLC82HCB)	2,602.14		119.62
11 46 16 00-0170	EA	32-1/2" Length x 82" Width x 42-7/8" Height, 82" Curved Glass, 9 Shelves, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Avantco DLC82HCW).....	2,602.14		119.62
11 46 16 00-0171	EA	32-1/2" Length x 82" Width x 42-7/8" Height, 82" Curved Glass, 9 Shelves, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Stainless Steel Refrigerated Deli Case (Avantco DLC82HCS).....	2,856.56		119.62
11 46 19 Soda Fountain Equipment (11 46)					
11 46 19 00-0001		Carbonated Beverage Dispensing (11 46 19)			
11 46 19 00-0002	EA	Carbonated Beverage Dispenser.....	4,017.94		411.76
11 46 19 00-0003	EA	Carbonated Beverage Dispenser With 90 Lb. Ice.....	6,414.92		470.54
11 46 19 00-0004	EA	Carbonated Beverage Dispenser With 150 Lb. Ice.....	11,840.59		658.73
11 46 19 00-0005		Beverage Chilling Systems (11 46 19)			
11 46 19 00-0006	EA	Beverage Chiller, Small	8,967.08		381.36
11 46 19 00-0007	EA	Beverage Chiller, Large	16,805.98		572.10
11 46 83 Ice Machines (11 46)					
11 46 83 00-0001		Undercounter Ice Machines With Bin (11 46 83)			
11 46 83 00-0002	EA	53 Lb./Day, Air-Cooled Undercounter Octagonal Cube Ice Machine With 25 Lb. Capacity Bin (Manitowoc SM-50A 115/60/1)	2,418.94		22.44
11 46 83 00-0003	EA	85 Lb./Day, Air-Cooled Undercounter Pearl/Nugget Ice Machine With 22 Lb. Capacity Bin (Ice-O-Matic GEMU090).....	3,876.15		177.35
11 46 83 00-0004	EA	137 Lb./Day, Air-Cooled Undercounter Half Dice Cube Ice Machine With 90 Lb. Capacity Bin (Manitowoc UYF0140A).....	2,950.80		177.35
11 46 83 00-0005	EA	100 Lb./Day, Undercounter, Air-Cooled Ice Machine With 57 Lb. Capacity Bin (Scotsman CU0920MA).....	2,880.03		177.35
11 46 83 00-0006	EA	227 Lb./Day, Undercounter, Air-Cooled Ice Machine With 80 Lb. Capacity Bin (Scotsman UC2024SA)	3,102.39		190.02
11 46 83 00-0007	EA	282 Lb./Day, Undercounter, Air-Cooled Ice Machine With 80 Lb. Capacity Bin (Scotsman UC2724SA)	3,471.48		190.02
11 46 83 00-0008		Ice Cube Maker (11 46 83)			
11 46 83 00-0009	EA	320 Lb./Day, Modular Ice Maker Without Bin	4,195.89		190.02
11 46 83 00-0010	EA	451 Lb./Day, Modular Ice Maker Without Bin	4,560.66		202.69
11 46 83 00-0011	EA	600 Lb./Day, Modular Ice Maker Without Bin	5,229.72		202.69
11 46 83 00-0012	EA	901 Lb./Day, Modular Ice Maker Without Bin	7,498.14		215.35
11 46 83 00-0013	EA	1301 Lb./Day, Modular Ice Maker Without Bin	8,516.69		215.35
11 46 83 00-0014	EA	1601 Lb./Day, Modular Ice Maker Without Bin	10,276.08		228.02
11 46 83 00-0015	EA	1900 Lb./Day, Modular Ice Maker Without Bin	11,358.51		228.02
11 46 83 00-0016		Ice Flakers (11 46 83)			
11 46 83 00-0017	EA	300 Lb./Day, Ice Flakers.....	6,766.34		621.54
11 46 83 00-0018	EA	600 Lb./Day, Ice Flakers.....	12,268.15		994.47
11 46 83 00-0019	EA	1,000 Lb./Day, Ice Flakers.....	15,153.80		1,367.40
11 46 83 00-0020	EA	2,000 Lb./Day, Ice Flakers.....	18,531.22		1,491.71

11	11	Equipment
	11 40	Foodservice Equipment
	11 46	Food Dispensing Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 46 83 00-0021			Ice Storage Bins (11 46 83)		
11 46 83 00-0022	EA		260 Lb. Capacity, Stainless Steel Ice Storage Bin.....	1,668.34	134.60
11 46 83 00-0023	EA		360 Lb. Capacity, Stainless Steel Ice Storage Bin.....	1,831.88	134.60
11 46 83 00-0024	EA		550 Lb. Capacity, Stainless Steel Ice Storage Bin.....	2,290.41	145.82
11 46 83 00-0025	EA		660 Lb. Capacity, Stainless Steel Ice Storage Bin.....	2,472.13	145.82
11 46 83 00-0026	EA		1,150 Lb. Capacity, Stainless Steel Ice Storage Bin.....	4,765.91	157.04

11 48 Foodservice Cleaning and Disposal Equipment (11 40)

11 48 13			Commercial Dishwashers (11 48)		
11 48 13 00-0001			Rack Type Dishwasher (11 48 13)		
11 48 13 00-0002	EA		Dishwasher, 1 Tank And 190 To 230 Racks/Hour.....	22,329.12	1,056.22
11 48 13 00-0003	EA		Dishwasher, 2 Tanks And 234 To 260 Racks/Hour.....	36,048.98	1,304.75
11 48 13 00-0004	EA		Dishwasher, 2 Tanks And 265 To 290 Racks/Hour.....	43,041.99	1,491.15
11 48 13 00-0005			Exhaust Hood Dishwasher (11 48 13)		
11 48 13 00-0006	EA		4' x 4' x 2' Dishwasher Exhaust Hood Stainless Steel With Gutter On All Sides.....	2,683.98	291.49
11 48 13 00-0007	EA		4' x 4' x 7' Dishwasher Exhaust Hood Stainless Steel With Gutter On All Sides.....	4,539.25	349.79
11 48 13 00-0008			Undercounter Type Dishwasher (11 48 13)		
11 48 13 00-0009	EA		High Speed, Undercounter Commercial Dishwasher (Hobart LX30-H).....	6,531.85	217.46
11 48 13 00-0010			Dish Tables (11 48 13)		
11 48 13 00-0011	LF		Clean/Soiled Dish Table, Basic.....	303.72	47.72
11 48 13 00-0012	LF		Clean/Soiled Dish Table With Trough.....	477.33	71.52
11 48 13 00-0013	LF		Clean/Soiled Dish Table, Maximum.....	578.45	95.31
11 48 13 00-0014			Sprays And Hoses (11 48 13)		
11 48 13 00-0015			Sprays, Fillers (11 48 13 00-0014)		
11 48 13 00-0016	EA		Pre-Rinse Spray.....	486.40	90.63
11 48 13 00-0017	EA		Kettle Fillers.....	425.39	90.63
11 48 13 00-0018			Hoses (11 48 13 00-0014)		
11 48 13 00-0019	EA		Hose Reel.....	583.68	108.81
11 48 13 00-0020	EA		Wash-Down Hose.....	461.66	108.81
11 48 13 00-0021	EA		Hose Reel And Spray System With Accessories (Chicago 535NF).....	1,463.72	

11 48 16			Foodservice Disposal Equipment (11 48)		
11 48 16 00-0001			Garbage Disposals (11 48 16)		
			Note: Manual switch.		
11 48 16 00-0002	EA		1/2 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal.....	1,679.73	167.75
11 48 16 00-0003	EA		3/4 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal.....	2,118.80	173.97
11 48 16 00-0004	EA		1 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal.....	2,274.84	180.18
11 48 16 00-0005	EA		1.5 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal.....	2,974.36	186.39
11 48 16 00-0006	EA		2 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal.....	3,242.88	205.04
11 48 16 00-0007	EA		3 HP, 208-230/460 Volt, 3 Phase, Stainless Steel, Garbage Disposal.....	4,571.53	223.68
11 48 16 00-0008	EA		5 HP, 208-230/460 Volt, 3 Phase, Stainless Steel, Garbage Disposal.....	5,460.86	248.52
11 48 16 00-0009	EA		7-1/2 HP, 208-230/460 Volt, 3 Phase, Stainless Steel, Garbage Disposal.....	7,602.57	267.16
11 48 16 00-0010	EA		10 HP, 208-230/460 Volt, 3 Phase, Stainless Steel, Garbage Disposal.....	10,012.51	279.59
11 48 16 00-0011			Pulper/Extractors (11 48 16)		
11 48 16 00-0012	EA		5 HP, Pulper/Extractor, Close-Coupled.....	6,639.25	258.84

11 50 Educational and Scientific Equipment (11)

11 52 Audio-Visual Equipment (11 50)

11 52 13			Projection Screens (11 52)		
11 52 13 13			Fixed Projection Screens (11 52 13)		
11 52 13 13-0001			Screens (11 52 13 13)		
11 52 13 13-0002			Pull Down Project Screen, Matte White Or Glass Beaded (Da-Lite Model B)		
			(11 52 13 13-0001)		
11 52 13 13-0003	EA		40" x 40" Pull Down Projection Screen (Da-Lite B).....	404.30	89.87
			For High Contrast Matte, Add	40.00	
			For Video Spectra Fabric, Add	40.00	
			For High Power Fabric, Add	120.00	
11 52 13 13-0004	EA		50" x 50" Pull Down Projection Screen (Da-Lite B).....	481.77	115.55
			For High Contrast Matte, Add	40.00	
			For Video Spectra Fabric, Add	40.00	
			For High Power Fabric, Add	120.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0005	EA		60" x 60" Pull Down Projection Screen (Da-Lite B).....	610.60	160.48
			For High Contrast Matte, Add	40.00	
			For Video Spectra Fabric, Add	40.00	
			For High Power Fabric, Add	120.00	
11 52 13 13-0006	EA		70" x 70" Pull Down Projection Screen (Da-Lite B).....	707.35	192.58
			For High Contrast Matte, Add	40.00	
			For Video Spectra Fabric, Add	40.00	
			For High Power Fabric, Add	120.00	
11 52 13 13-0007	EA		84" x 84" Pull Down Projection Screen (Da-Lite B).....	1,095.17	288.87
			For High Contrast Matte, Add	40.00	
			For Video Spectra Fabric, Add	40.00	
			For High Power Fabric, Add	120.00	
11 52 13 13-0008	EA		96" x 96" Pull Down Projection Screen (Da-Lite B).....	1,289.54	320.97
			For High Contrast Matte, Add	40.00	
			For Video Spectra Fabric, Add	40.00	
			For High Power Fabric, Add	120.00	
11 52 13 13-0009	EA		64" x 84" Pull Down Projection Screen (Da-Lite B).....	928.27	205.42
			For High Contrast Matte, Add	40.00	
			For Video Spectra Fabric, Add	40.00	
			For High Power Fabric, Add	120.00	
11 52 13 13-0010	EA		72" x 96" Pull Down Projection Screen (Da-Lite B).....	1,063.53	256.78
			For High Contrast Matte, Add	40.00	
			For Video Spectra Fabric, Add	40.00	
			For High Power Fabric, Add	120.00	
11 52 13 13-0011	EA		43" x 57" Pull Down Projection Screen (Da-Lite B).....	572.98	109.13
			For High Contrast Matte, Add	40.00	
			For Video Spectra Fabric, Add	40.00	
			For High Power Fabric, Add	120.00	
11 52 13 13-0012	EA		50" x 67" Pull Down Projection Screen (Da-Lite B).....	793.02	154.06
			For High Contrast Matte, Add	40.00	
			For Video Spectra Fabric, Add	40.00	
			For High Power Fabric, Add	120.00	
11 52 13 13-0013	EA		55" x 77" Pull Down Projection Screen (Da-Lite B).....	864.08	173.32
			For High Contrast Matte, Add	40.00	
			For Video Spectra Fabric, Add	40.00	
			For High Power Fabric, Add	120.00	
11 52 13 13-0014	EA		60" x 80" Pull Down Projection Screen (Da-Lite B).....	922.30	186.16
			For High Contrast Matte, Add	40.00	
			For Video Spectra Fabric, Add	40.00	
			For High Power Fabric, Add	120.00	
11 52 13 13-0015	EA		69" x 92" Pull Down Projection Screen (Da-Lite B).....	1,064.41	224.68
			For High Contrast Matte, Add	40.00	
			For Video Spectra Fabric, Add	40.00	
			For High Power Fabric, Add	120.00	
11 52 13 13-0016	EA		45" x 80" Pull Down Projection Screen (Da-Lite B).....	870.95	160.48
			For High Contrast Matte, Add	40.00	
			For Video Spectra Fabric, Add	40.00	
			For High Power Fabric, Add	120.00	
11 52 13 13-0017	EA		52" x 92" Pull Down Projection Screen (Da-Lite B).....	987.38	186.16
			For High Contrast Matte, Add	40.00	
			For Video Spectra Fabric, Add	40.00	
			For High Power Fabric, Add	120.00	
11 52 13 13-0018			Heavy-Duty Pull Down Project Screen, Matte White Or Glass Beaded (Da-Lite Model C) (11 52 13 13-0001)		
11 52 13 13-0019	EA		50" x 50" Pull Down Projection Screen (Da-Lite C).....	937.37	115.55
			For High Contrast Matte, Add	40.00	
			For Video Spectra Fabric, Add	40.00	
			For High Power Fabric, Add	120.00	
11 52 13 13-0020	EA		60" x 60" Pull Down Projection Screen (Da-Lite C).....	1,098.75	160.48
			For High Contrast Matte, Add	40.00	
			For Video Spectra Fabric, Add	40.00	
			For High Power Fabric, Add	120.00	
11 52 13 13-0021	EA		70" x 70" Pull Down Projection Screen (Da-Lite C).....	1,279.37	218.26
			For High Contrast Matte, Add	40.00	
			For Video Spectra Fabric, Add	40.00	
			For High Power Fabric, Add	120.00	
11 52 13 13-0022	EA		84" x 84" Pull Down Projection Screen (Da-Lite C).....	1,485.69	288.87
			For High Contrast Matte, Add	40.00	
			For Video Spectra Fabric, Add	40.00	
			For High Power Fabric, Add	120.00	
11 52 13 13-0023	EA		6' x 8' Pull Down Projection Screen (Da-Lite C).....	1,628.71	295.29
			For High Contrast Matte, Add	40.00	
			For Video Spectra Fabric, Add	40.00	
			For High Power Fabric, Add	120.00	
11 52 13 13-0024	EA		8' x 8' Pull Down Projection Screen (Da-Lite C).....	1,745.14	320.97
			For High Contrast Matte, Add	40.00	
			For Video Spectra Fabric, Add	40.00	
			For High Power Fabric, Add	120.00	
11 52 13 13-0025	EA		7' x 9' Pull Down Projection Screen (Da-Lite C).....	1,777.68	320.97
			For High Contrast Matte, Add	40.00	
			For Video Spectra Fabric, Add	40.00	
			For High Power Fabric, Add	120.00	
11 52 13 13-0026	EA		9' x 9' Pull Down Projection Screen (Da-Lite C).....	1,913.83	340.23
			For High Contrast Matte, Add	40.00	
			For Video Spectra Fabric, Add	40.00	
			For High Power Fabric, Add	120.00	

11	11 Equipment
	11 50 Educational and Scientific Equipment
	11 52 Audio-Visual Equipment

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
11 52 13 13-0027	EA 8' x 10' Pull Down Projection Screen (Da-Lite C)..... For High Contrast Matte, Add For Video Spectra Fabric, Add For High Power Fabric, Add	2,049.98 40.00 40.00 120.00		359.48	
11 52 13 13-0028	EA 10' x 10' Pull Down Projection Screen (Da-Lite C)..... For High Contrast Matte, Add For Video Spectra Fabric, Add For High Power Fabric, Add	2,198.96 40.00 40.00 120.00		385.17	
11 52 13 13-0029	EA 9' x 12' Pull Down Projection Screen (Da-Lite C)..... For High Contrast Matte, Add For Video Spectra Fabric, Add For High Power Fabric, Add	2,459.30 40.00 40.00 120.00		385.17	
11 52 13 13-0030	EA 12' x 12' Pull Down Projection Screen (Da-Lite C)..... For High Contrast Matte, Add For Video Spectra Fabric, Add For High Power Fabric, Add	2,846.25 40.00 40.00 120.00		513.55	
11 52 13 13-0031	Heavy-Duty Pull Down Project Screen, Matte White Or Glass Beaded (Da-Lite Model C With CSR) (11 52 13 13-0001) Note: With controlled screen return.				
11 52 13 13-0032	EA 60" x 60" Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)..... For High Contrast Matte, Add For Video Spectra Fabric, Add For High Power Fabric, Add	1,749.61 40.00 40.00 120.00		160.48	
11 52 13 13-0033	EA 70" x 70" Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)..... For High Contrast Matte, Add For Video Spectra Fabric, Add For High Power Fabric, Add	1,962.78 40.00 40.00 120.00		218.26	
11 52 13 13-0034	EA 84" x 84" Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)..... For High Contrast Matte, Add For Video Spectra Fabric, Add For High Power Fabric, Add	2,169.09 40.00 40.00 120.00		288.87	
11 52 13 13-0035	EA 6' x 8' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)..... For High Contrast Matte, Add For Video Spectra Fabric, Add For High Power Fabric, Add	2,279.57 40.00 40.00 120.00		295.29	
11 52 13 13-0036	EA 8' x 8' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)..... For High Contrast Matte, Add For Video Spectra Fabric, Add For High Power Fabric, Add	2,428.54 40.00 40.00 120.00		320.97	
11 52 13 13-0037	EA 7' x 9' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)..... For High Contrast Matte, Add For Video Spectra Fabric, Add For High Power Fabric, Add	2,461.08 40.00 40.00 120.00		320.97	
11 52 13 13-0038	EA 9' x 9' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)..... For High Contrast Matte, Add For Video Spectra Fabric, Add For High Power Fabric, Add	2,597.23 40.00 40.00 120.00		340.23	
11 52 13 13-0039	EA 8' x 10' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)..... For High Contrast Matte, Add For Video Spectra Fabric, Add For High Power Fabric, Add	2,655.46 40.00 40.00 120.00		353.06	
11 52 13 13-0040	EA 10' x 10' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)..... For High Contrast Matte, Add For Video Spectra Fabric, Add For High Power Fabric, Add	2,979.99 40.00 40.00 120.00		385.17	
11 52 13 13-0041	EA 9' x 12' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)..... For High Contrast Matte, Add For Video Spectra Fabric, Add For High Power Fabric, Add	3,272.88 40.00 40.00 120.00		385.17	
11 52 13 13-0042	EA 12' x 12' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)..... For High Contrast Matte, Add For Video Spectra Fabric, Add For High Power Fabric, Add	3,724.91 40.00 40.00 120.00		513.55	
11 52 13 13-0043	Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Cosmopolitan Electrol) (11 52 13 13-0001) Note: Heavy-duty screen for exposed installation.				
11 52 13 13-0044	EA 50" x 50" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	2,601.08		144.43	
11 52 13 13-0045	EA 60" x 60" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	2,660.77		160.48	
11 52 13 13-0046	EA 70" x 70" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	2,777.40		192.58	
11 52 13 13-0047	EA 84" x 84" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	3,207.26		288.87	
11 52 13 13-0048	EA 6' x 8' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	3,286.33		295.29	
11 52 13 13-0049	EA 8' x 8' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	3,489.42		320.97	
11 52 13 13-0050	EA 7' x 9' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	3,558.40		320.97	
11 52 13 13-0051	EA 9' x 9' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	3,735.79		343.44	
11 52 13 13-0052	EA 8' x 10' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	3,952.75		359.48	
11 52 13 13-0053	EA 10' x 10' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	4,095.16		385.17	
11 52 13 13-0054	EA 9' x 12' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	4,219.32		385.17	
11 52 13 13-0055	EA 12' x 12' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	4,691.32		513.55	
11 52 13 13-0056	Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Professional Electrol) (11 52 13 13-0001) Note: Heavy-duty screen for exposed or recessed installation without doors.				

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0057	EA	9' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	6,299.38	385.17
11 52 13 13-0058	EA	12' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	6,816.50	513.55
11 52 13 13-0059	EA	14' x 14' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	8,441.87	577.74
11 52 13 13-0060	EA	12' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	8,895.69	641.93
11 52 13 13-0061	EA	16' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	9,477.89	770.32
11 52 13 13-0062	EA	13.5' x 18' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	10,582.56	834.52
11 52 13 13-0063	EA	18' x 18' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	11,589.61	898.71
11 52 13 13-0064	EA	15' x 20' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	12,240.47	898.71
11 52 13 13-0065	EA	20' x 20' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	13,180.65	1,027.10
11 52 13 13-0066	EA	11' x 22' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	12,209.71	834.52
11 52 13 13-0067	EA	16.5' x 22' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	12,920.31	1,027.10
11 52 13 13-0068	EA	22' x 22' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	13,502.51	1,155.49
11 52 13 13-0069	EA	12' x 24' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	12,988.96	898.71
11 52 13 13-0070	EA	18' x 24' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	16,756.81	1,155.49
11 52 13 13-0071		Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Executive Electrol) ^(11 52 13 13-0001) Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0072	EA	50" x 50" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,817.93	144.43
11 52 13 13-0073	EA	60" x 60" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,947.65	160.48
11 52 13 13-0074	EA	70" x 70" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,076.94	192.58
11 52 13 13-0075	EA	84" x 84" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,497.31	288.87
11 52 13 13-0076	EA	6' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,575.25	295.29
11 52 13 13-0077	EA	8' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,821.85	320.97
11 52 13 13-0078	EA	7' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	7,017.10	320.97
11 52 13 13-0079	EA	9' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	7,159.67	343.44
11 52 13 13-0080	EA	8' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	7,354.49	359.48
11 52 13 13-0081	EA	10' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	7,536.01	385.17
11 52 13 13-0082	EA	9' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	7,601.10	385.17
11 52 13 13-0083	EA	12' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	8,183.31	513.55
11 52 13 13-0084	EA	10.6' x 14' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	8,768.19	545.65
11 52 13 13-0085	EA	14' x 14' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	9,157.81	577.74
11 52 13 13-0086	EA	12' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	10,002.15	641.93
11 52 13 13-0087	EA	16' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	10,421.63	770.32
11 52 13 13-0088		Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Senior Electrol) ^(11 52 13 13-0001) Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0089	EA	50" x 50" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	4,828.62	144.43
11 52 13 13-0090	EA	60" x 60" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	4,938.37	176.54
11 52 13 13-0091	EA	70" x 70" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	4,999.77	192.58
11 52 13 13-0092	EA	84" x 84" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,286.71	288.87
11 52 13 13-0093	EA	6' x 8' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,328.85	295.29
11 52 13 13-0094	EA	8' x 8' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,503.85	320.97
11 52 13 13-0095	EA	7' x 9' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,676.33	320.97
11 52 13 13-0096	EA	9' x 9' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,952.33	343.44
11 52 13 13-0097	EA	8' x 10' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	6,029.99	359.48

11 Equipment**11 50 Educational and Scientific Equipment****11 52 Audio-Visual Equipment**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

11 52 13 13-0098	EA	10' x 10' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy-duty screen for recessed or exposed installation.	6,221.27	385.17
11 52 13 13-0099	EA	9' x 12' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy-duty screen for recessed or exposed installation.	6,219.49	449.35
11 52 13 13-0100	EA	12' x 12' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy-duty screen for recessed or exposed installation.	6,803.48	513.55
11 52 13 13-0101	EA	10'-6" x 14' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy-duty screen for recessed or exposed installation.	8,488.32	545.65
11 52 13 13-0102	EA	14' x 14' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy-duty screen for recessed or exposed installation.	8,861.67	577.74
11 52 13 13-0103	EA	12' x 16' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy-duty screen for recessed or exposed installation.	9,592.11	641.93
11 52 13 13-0104	EA	16' x 16' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy-duty screen for recessed or exposed installation.	9,985.56	770.32
11 52 13 13-0105	EA	13'-6" x 18' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy-duty screen for recessed or exposed installation.	10,878.70	834.52
11 52 13 13-0106	EA	18' x 18' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy-duty screen for recessed or exposed installation.	11,550.56	898.71
11 52 13 13-0107	EA	15' x 20' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy-duty screen for recessed or exposed installation.	12,025.68	898.71
11 52 13 13-0108	EA	20' x 20' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy-duty screen for recessed or exposed installation.	13,297.81	1,027.10
11 52 13 13-0109	EA	50" x 67" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy-duty screen for recessed or exposed installation.	4,999.77	192.58
11 52 13 13-0110	EA	60" x 80" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy-duty screen for recessed or exposed installation.	5,222.52	256.78
11 52 13 13-0111	EA	69" x 92" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy-duty screen for recessed or exposed installation.	5,316.00	288.87
11 52 13 13-0112	EA	87" x 116" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy-duty screen for recessed or exposed installation.	6,062.53	359.48
11 52 13 13-0113	EA	105" x 140" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy-duty screen for recessed or exposed installation.	6,489.60	449.35
11 52 13 13-0114	EA	123" x 164" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy-duty screen for recessed or exposed installation.	8,044.84	577.74
11 52 13 13-0115	EA	141" x 188" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy-duty screen for recessed or exposed installation.	8,548.94	706.13
11 52 13 13-0116	EA	12' x 24' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy-duty screen for recessed or exposed installation.	15,030.88	962.91
11 52 13 13-0117	EA	45" x 80" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy-duty screen for recessed or exposed installation.	5,238.79	256.78
11 52 13 13-0118	EA	52" x 92" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy-duty screen for recessed or exposed installation.	5,364.82	288.87
11 52 13 13-0119	EA	54" x 96" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy-duty screen for recessed or exposed installation.	5,497.71	308.13
11 52 13 13-0120	EA	58" x 104" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy-duty screen for recessed or exposed installation.	5,578.36	333.81
11 52 13 13-0121	EA	65" x 116" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy-duty screen for recessed or exposed installation.	5,906.32	359.48
11 52 13 13-0122	EA	78" x 139" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy-duty screen for recessed or exposed installation.	6,365.93	449.35
11 52 13 13-0123	EA	92" x 164" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy-duty screen for recessed or exposed installation.	7,956.98	577.74
11 52 13 13-0124	EA	106" x 188" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy-duty screen for recessed or exposed installation.	9,196.55	706.13
11 52 13 13-0125	EA	119" x 212" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy-duty screen for recessed or exposed installation.	11,161.82	834.52

11 52 13 13-0126 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Boardroom Electrol) (11 52 13 13-0001)

Note: In-the-ceiling screen with automatically operated door to conceal screen.

11 52 13 13-0127	EA	50" x 50" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,098.16	144.43
11 52 13 13-0128	EA	60" x 60" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,196.48	160.48
11 52 13 13-0129	EA	70" x 70" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,310.34	192.58
11 52 13 13-0130	EA	84" x 84" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,673.98	288.87
11 52 13 13-0131	EA	6' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,742.02	295.29
11 52 13 13-0132	EA	8' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,912.00	320.97
11 52 13 13-0133	EA	7' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,096.87	320.97
11 52 13 13-0134	EA	9' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,260.45	343.44
11 52 13 13-0135	EA	8' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,380.85	359.48
11 52 13 13-0136	EA	10' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,572.92	385.17
11 52 13 13-0137	EA	9' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,763.30	385.17
11 52 13 13-0138	EA	12' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	7,180.12	513.55

		Equipment	11	
		Educational and Scientific Equipment	11 50	
		Audio-Visual Equipment	11 52	
MINOR	DESCRIPTION	TOTAL DIRECT	DEMOLITION	
CSI	UOM	UNIT COST	UNIT COST	

11 52 13 13-0139	EA	Electric Ascending Project Screen, Matte White, Glass Beaded (Da-Lite Ascender Electrol) (11 52 13 13-0001)		
Note: High contrast matte white, video spectrum or high power. Includes a motorized spring assisted scissors mechanism which raises the screen surface from the housing ensuring smooth operation. A trap door housing keeps the screen and lift mechanism hidden until the screen is activated.				
11 52 13 13-0140	EA	60" x 80" Electric Ascending Projection Screen (Da-Lite Ascender Electrol).....	14,892.51	320.97
Note: Includes a motorized spring assisted scissors mechanism and trap door housing.				
11 52 13 13-0141	EA	69" x 92" Electric Ascending Projection Screen (Da-Lite Ascender Electrol).....	15,932.10	385.17
Note: Includes a motorized spring assisted scissors mechanism and trap door housing.				
11 52 13 13-0142	EA	87" x 116" Electric Ascending Projection Screen (Da-Lite Ascender Electrol).....	18,530.20	577.74
Note: Includes a motorized spring assisted scissors mechanism and trap door housing.				
11 52 13 13-0143	EA	105" x 140" Electric Ascending Projection Screen (Da-Lite Ascender Electrol).....	23,341.21	770.32
Note: Includes a motorized spring assisted scissors mechanism and trap door housing.				
11 52 13 13-0144	EA	120" x 160" Electric Ascending Projection Screen (Da-Lite Ascender Electrol).....	25,875.99	898.71
Note: Includes a motorized spring assisted scissors mechanism and trap door housing.				
11 52 13 13-0145	EA	52" x 92" Electric Ascending Projection Screen (Da-Lite Ascender Electrol).....	15,803.71	320.97
Note: Includes a motorized spring assisted scissors mechanism and trap door housing.				
11 52 13 13-0146	EA	58" x 104" Electric Ascending Projection Screen (Da-Lite Ascender Electrol).....	17,266.37	385.17
Note: Includes a motorized spring assisted scissors mechanism and trap door housing.				
11 52 13 13-0147	EA	65" x 116" Electric Ascending Projection Screen (Da-Lite Ascender Electrol).....	18,273.42	449.35
Note: Includes a motorized spring assisted scissors mechanism and trap door housing.				
11 52 13 13-0148	EA	78" x 139" Electric Ascending Projection Screen (Da-Lite Ascender Electrol).....	22,956.05	577.74
Note: Includes a motorized spring assisted scissors mechanism and trap door housing.				
11 52 13 13-0149	EA	Electric Rear Projection Screen (Da-Lite DA-View) (11 52 13 13-0001)		
Note: Consists of a single acrylic layer with rear Fensel lens and lenticulated front profile. Un-framed.				
11 52 13 13-0150	EA	60" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View).....	4,865.44	320.97
Note: Includes a motorized spring assisted scissors mechanism and trap door housing.				
11 52 13 13-0151	EA	67" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View).....	6,103.49	353.06
Note: Includes a motorized spring assisted scissors mechanism and trap door housing.				
11 52 13 13-0152	EA	72" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View).....	6,989.38	385.17
Note: Includes a motorized spring assisted scissors mechanism and trap door housing.				
11 52 13 13-0153	EA	84" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View).....	12,570.67	417.26
Note: Includes a motorized spring assisted scissors mechanism and trap door housing.				
11 52 13 13-0154	EA	90" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View).....	13,926.10	13,476.74
Note: Includes a motorized spring assisted scissors mechanism and trap door housing.				
11 52 13 13-0155	EA	96" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View).....	15,463.11	513.55
Note: Includes a motorized spring assisted scissors mechanism and trap door housing.				
11 52 13 13-0156	EA	100" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View).....	19,817.36	577.74
Note: Includes a motorized spring assisted scissors mechanism and trap door housing.				
11 52 13 13-0157	EA	120" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View).....	26,754.08	641.93
Note: Includes a motorized spring assisted scissors mechanism and trap door housing.				
11 52 13 13-0158	EA	125" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View).....	29,934.47	706.13
Note: Includes a motorized spring assisted scissors mechanism and trap door housing.				
11 52 13 13-0159	EA	135" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View).....	40,040.58	770.32
Note: Includes a motorized spring assisted scissors mechanism and trap door housing.				
11 52 13 13-0160	EA	Screen Accessories (11 52 13 13-0001)		
11 52 13 13-0161	EA	Manual Pull Down Accessories (11 52 13 13-0160)		
11 52 13 13-0162	EA	6" Mounting Bracket (Pair).....	77.84	9.63
11 52 13 13-0163	EA	14" Wall Mounting Bracket (Pair).....	110.38	10.27
11 52 13 13-0164	EA	14-1/2" To 24" Adjustable Wall Mounting Bracket (Pair).....	129.91	11.56
11 52 13 13-0165	EA	Electric Powered Screen Accessories (11 52 13 13-0160)		
11 52 13 13-0166	EA	Single Motor Low Voltage Remote Control System - Infrared	809.86	
11 52 13 13-0167	EA	Single Motor Low Voltage Remote Control System - Radio Frequency.....	1,167.83	
11 52 13 16	EA	Portable Projection Screens (11 52 13)		
11 52 13 16-0001	EA	Projection Screen And Case (11 52 13 16)		
11 52 13 16-0002	EA	9' x 12' Spring-Roller Operated Projection Screen (Draper Luma 2)	2,168.10	218.62
11 52 13 16-0003	EA	12' x 12' Spring-Roller Operated Projection Screen (Draper Luma 2)	2,184.54	218.62
11 52 13 16-0004	EA	9' x 9' Non-Tensioned Electric Projection Screen (Draper Targa).....	2,279.28	218.62
11 52 13 16-0005	EA	9' x 12' Non-Tensioned Electric Projection Screen (Draper Targa).....	2,494.45	218.62
11 52 13 16-0006	EA	12' x 12' Non-Tensioned Electric Projection Screen (Draper Targa).....	3,589.61	218.62
11 52 13 16-0007	EA	12' x 16' Non-Tensioned Electric Projection Screen (Draper Targa).....	4,883.61	218.62
11 52 13 16-0008	EA	14' x 14' Non-Tensioned Electric Projection Screen (Draper Targa).....	4,334.55	218.62
11 52 13 16-0009	EA	16' x 16' Non-Tensioned Electric Projection Screen (Draper Targa).....	5,006.78	218.62
11 52 13 16-0010	EA	15' x 20' Non-Tensioned Electric Projection Screen (Draper Paragon)	7,900.03	218.62
11 52 13 16-0011	EA	20' x 20' Non-Tensioned Electric Projection Screen (Draper Paragon)	8,360.28	218.62
11 52 13 16-0012	EA	11' x 22' Non-Tensioned Electric Projection Screen (Draper Paragon)	8,085.41	218.62
11 52 13 16-0013	EA	16'-6" x 22' Non-Tensioned Electric Projection Screen (Draper Paragon).....	8,277.18	218.62
11 52 13 16-0014	EA	22' x 22' Non-Tensioned Electric Projection Screen (Draper Paragon)	8,475.34	218.62
11 52 13 16-0015	EA	Projection Screen Hanger Assembly Unit.....	194.08	27.33
Note: Includes beam clamp, 1/4" cable tail, 8' long, 3/8" x 6" eye and jaw turnbuckle and #1715 pipe clamp (for 1-1/2" inside diameter pipe batten).				
11 52 16	EA	Projectors (11 52)		
11 52 16 26	EA	Video Projectors (11 52 16)		

11	11	Equipment
	11 50	Educational and Scientific Equipment
	11 52	Audio-Visual Equipment

MINOR		TOTAL DIRECT		DEMOLITION	
CSI UOM DESCRIPTION		UNIT COST		UNIT COST	
11 52 16 26-0001	Projectors ^(11 52 16 26)				
11 52 16 26-0002	EA 2,000 Lumens Output, 800 x 600 Pixels, SVGA Compact 3LCD Panels Projector.....	1,406.87		64.19	
11 52 16 26-0003	EA 2,000 Lumens Output, 1024 x 768 Pixels, XGA Compact 3LCD Panels Projector.....	1,630.60		64.19	
11 52 16 26-0004	EA 2,000 Lumens Output, 1280 x 800 Pixels, WXGA Compact 3LCD Panels Projector.....	2,157.98		64.19	
11 52 16 26-0005	EA 3,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector.....	3,404.49		64.19	
11 52 16 26-0006	EA 3,500 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector.....	3,963.83		64.19	
11 52 16 26-0007	EA 3,000 Lumens Output, 1366 x 800 Pixels, WXGA 3LCD Panels Projector.....	5,034.56		64.19	
11 52 16 26-0008	EA 4,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector.....	8,007.02		64.19	
11 52 16 26-0009	EA 5,200 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector.....	10,851.64		64.19	
11 52 16 26-0010	EA 6,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector.....	16,109.39		64.19	
11 52 16 26-0011	Projector Mounts ^(11 52 16 26)				
11 52 16 26-0012	Universal Projector Mounts ^(11 52 16 26-0011)				
	Note: Includes ceiling or wall mounting hardware and hardware for attaching projector. Excludes projector.				
11 52 16 26-0013	EA Flush Ceiling, Universal Projector Mount (Peerless PPF).....	306.89		70.59	
11 52 16 26-0014	EA Wall Arm, Universal Projector Mount (Peerless PWA-14).....	505.28		70.59	
11 52 16 26-0015	Projector Mount Components ^(11 52 16 26-0011)				
	Note: Includes ceiling attachment plate, threaded extension column and projector attachment plate. Excludes projector.				
11 52 16 26-0016	Ceiling Attachment Plates For Projector Mounts ^(11 52 16 26-0015)				
11 52 16 26-0017	EA Finished Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 570).....	111.35		32.08	
11 52 16 26-0018	EA Truss Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 557).....	152.07		32.08	
11 52 16 26-0019	EA I-Beam Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 558/559).....	212.34		32.08	
11 52 16 26-0020	EA Suspended Ceiling, Attachment Plate For Projector Mounts (Peerless CMJ 455).....	263.12		32.08	
11 52 16 26-0021	Projector Attachment Plates For Projector Mounts ^(11 52 16 26-0015)				
11 52 16 26-0022	EA Universal Projector Attachment Plate For Projector Mounts (Peerless PRG-UNV).....	390.61		32.08	
11 52 16 26-0023	EA High Security Projector Enclosure For Projector Mounts (Peerless ALB).....	865.27		32.08	
11 52 16 26-0024	Threaded Extension Columns For Projector Mounts ^(11 52 16 26-0015)				
11 52 16 26-0025	Fixed Length, Threaded Extension Column For Projector Mounts ^(11 52 16 26-0024)				
	Note: Peerless EXT series.				
11 52 16 26-0026	EA 6" Fixed Length, Threaded Extension Column For Projector Mounts.....	66.96		9.62	
11 52 16 26-0027	EA 12" Fixed Length, Threaded Extension Column For Projector Mounts.....	87.06		9.62	
11 52 16 26-0028	EA 18" Fixed Length, Threaded Extension Column For Projector Mounts.....	94.59		9.62	
11 52 16 26-0029	EA 24" Fixed Length, Threaded Extension Column For Projector Mounts.....	99.61		9.62	
11 52 16 26-0030	EA 36" Fixed Length, Threaded Extension Column For Projector Mounts.....	118.58		12.83	
11 52 16 26-0031	EA 48" Fixed Length, Threaded Extension Column For Projector Mounts.....	143.69		12.83	
11 52 16 26-0032	EA 60" Fixed Length, Threaded Extension Column For Projector Mounts.....	183.87		12.83	
11 52 16 26-0033	EA 72" Fixed Length, Threaded Extension Column For Projector Mounts.....	211.50		12.83	
11 52 16 26-0034	EA 84" Fixed Length, Threaded Extension Column For Projector Mounts.....	248.05		16.04	
11 52 16 26-0035	EA 96" Fixed Length, Threaded Extension Column For Projector Mounts.....	283.21		16.04	
11 52 16 26-0036	EA 108" Fixed Length, Threaded Extension Column For Projector Mounts.....	314.75		19.25	
11 52 16 26-0037	EA 120" Fixed Length, Threaded Extension Column For Projector Mounts.....	329.82		19.25	
11 52 16 26-0038	Adjustable Length, Threaded Extension Columns For Projector Mounts ^(11 52 16 26-0024)				
	Note: Peerless ADJ series. Adjustable at 1" increments.				
11 52 16 26-0039	EA 6" To 9" Adjustable Length, Threaded Extension Column For Projector Mounts.....	137.55		16.04	
11 52 16 26-0040	EA 12" To 18" Adjustable Length, Threaded Extension Column For Projector Mounts.....	212.89		16.04	
11 52 16 26-0041	EA 18" To 24" Adjustable Length, Threaded Extension Column For Projector Mounts.....	217.92		16.04	
11 52 16 26-0042	EA 24" To 36" Adjustable Length, Threaded Extension Column For Projector Mounts.....	225.45		16.04	
11 52 16 26-0043	EA 36" To 60" Adjustable Length, Threaded Extension Column For Projector Mounts.....	244.44		19.25	
11 52 16 26-0044	EA 48" To 72" Adjustable Length, Threaded Extension Column For Projector Mounts.....	256.99		19.25	
11 52 16 26-0045	EA 60" To 84" Adjustable Length, Threaded Extension Column For Projector Mounts.....	284.62		19.25	
11 52 16 26-0046	EA 72" To 96" Adjustable Length, Threaded Extension Column For Projector Mounts.....	309.73		19.25	
11 52 16 26-0047	EA 84" To 108" Adjustable Length, Threaded Extension Column For Projector Mounts.....	343.76		22.46	
11 52 16 26-0048	EA 96" To 120" Adjustable Length, Threaded Extension Column For Projector Mounts.....	368.88		22.46	
11 52 16 26-0049	EA 108" To 132" Adjustable Length, Threaded Extension Column For Projector Mounts.....	402.92		25.66	
11 52 16 26-0050	EA 120" To 144" Adjustable Length, Threaded Extension Column For Projector Mounts.....	420.50		25.66	
11 52 33	Interactive Displays ^(11 52)				
11 52 33 00-0001	Television Monitors And Panels ^(11 52 33)				
	Note: Excludes wall or ceiling mounts See CSI section 11 52 33 00-0019 for television mounting.				
11 52 33 00-0002	EA 27" HD Television, LCD, 1080 DPI, 60 Hertz.....	715.04		17.94	
11 52 33 00-0003	EA 32" HD Television, LCD, 720 DPI, 60 Hertz.....	784.67		20.19	
11 52 33 00-0004	EA 32" HD Television, LCD, 1080 DPI, 120 Hertz.....	1,067.01		22.44	
11 52 33 00-0005	EA 32" HD Television, LED, 1920x1080 With WI-FI.....	1,076.85		22.44	
	Note: Includes 4 - HDMI, 3 - USB, 1 - component input.				
11 52 33 00-0006	EA 40" HD Television, LED, 1920x1080 With WI-FI.....	1,219.67		24.67	
	Note: Includes 4 - HDMI, 3 - USB, 1 - component input.				
11 52 33 00-0007	EA 46" HD Television, LED, 1920x1080 With WI-FI.....	1,432.80		26.92	
	Note: Includes 4 - HDMI, 3 - USB, 1 - component input.				
11 52 33 00-0008	EA 50" HD Television, LED, 1920x1080 With WI-FI.....	1,786.52		29.16	
	Note: Includes 4 - HDMI, 3 - USB, 1 - component input.				

		Equipment	11
		Educational and Scientific Equipment	11 50
		Audio-Visual Equipment	11 52

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 33 00-0009 EA 55" HD Television, LED, 1920x1080 With Wi-Fi..... Note: Includes 4 - HDMI, 3 - USB, 1 - component input.	2,137.99	29.16
11 52 33 00-0010 EA 60" HD Television, LED, 1920x1080 With Wi-Fi..... Note: Includes 4 - HDMI, 3 - USB, 1 - component input.	2,491.72	31.41
11 52 33 00-0011 EA 65" HD Television, LED, 1920x1080 With Wi-Fi..... Note: Includes 4 - HDMI, 3 - USB, 1 - component input.	3,021.17	33.65
11 52 33 00-0012 EA 75" HD Television, LED, 1920x1080 With Wi-Fi..... Note: Includes 4 - HDMI, 3 - USB, 1 - component input.	4,780.79	35.90
11 52 33 00-0013 EA 46" 3D Television, LED, 1080 DPI, 240 Hertz	2,197.77	26.92
11 52 33 00-0014 EA 55" 3D Television, LED, 1080 DPI, 240 Hertz	3,068.36	29.16
11 52 33 00-0015 EA 60" 3D Television, LED, 1080 DPI, 240 Hertz	4,156.05	31.41
11 52 33 00-0016 EA 65" 3D Television, LED, 1080 DPI, 240 Hertz	4,375.38	33.65
11 52 33 00-0017 EA 75" 3D Television, LED, 1080 DPI, 240 Hertz	6,546.25	33.65
11 52 33 00-0018 EA 86" Interactive LED Panel (SMARTBOARD SPNL-7086).....	19,953.85	35.90
11 52 33 00-0019 Flat Panel Display Mounting (11 52 33) Note: Includes anchors, bolts and hardware. Excludes blocking in walls or ceiling.		
11 52 33 00-0020 EA Swivel Wall Mounts For 10" To 30" Flat Panel Displays	420.69	117.57
Note: 2.6" To 16.6" swing arm extension, 12-degrees tilt		
11 52 33 00-0021 EA Premium Swivel Wall Mounts For 23" To 37" Flat Panel Displays	660.41	146.96
Note: 4.5" To 20.3" swing arm extension, 15-degrees tilt		
11 52 33 00-0022 EA Swivel Wall Mounts For 32" To 60" Flat Panel Displays	677.35	176.36
Note: 4.5" To 20.3" swing arm extension, 15-degrees tilt		
11 52 33 00-0023 EA Swivel Wall Mounts For 32" To 60" Flat Panel Displays With Extra Wide 24" Back Plate	723.84	176.36
Note: 4.5" To 20.3" swing arm extension, 15-degrees tilt		
11 52 33 00-0024 EA Swivel Wall Mounts For 32" To 50" Flat Panel Displays	723.84	176.36
Note: 4.5" To 26.2" swing arm extension, 15-degrees tilt		
11 52 33 00-0025 EA Full Motion Wall Mounts For 13" To 26" Flat Panel Displays	397.50	117.57
Note: 8" Extension		
11 52 33 00-0026 EA Full Motion Wall Mounts For 26" To 40" Flat Panel Displays	549.06	146.96
Note: 9.7" Extension		
11 52 33 00-0027 EA Full Motion Wall Mounts For 32" To 56" Flat Panel Displays	955.81	176.36
Note: 10.2" Extension		
11 52 33 00-0028 EA Full Motion Wall Mounts For 42" To 84" Flat Panel Displays	1,379.07	205.75
Note: 20" Extension		
11 52 33 00-0029 EA Low Profile Tilting Wall Mounts For 26" To 40" Flat Panel Displays	502.67	146.96
11 52 33 00-0030 EA Low Profile Tilting Wall Mounts For 32" To 70" Flat Panel Displays	595.46	146.96
11 52 33 00-0031 EA Low Profile Tilting Wall Mounts For 75" Flat Panel Displays	700.03	176.36
11 52 33 00-0032 EA Low Profile Wall Mounts For 26" To 40" Flat Panel Displays	409.88	146.96
11 52 33 00-0033 EA Low Profile Wall Mounts For 40" To 70" Flat Panel Displays	479.47	146.96
11 52 33 00-0034 EA Low Profile Wall Mounts For 75" Flat Panel Displays	569.78	176.36
11 52 33 00-0035 EA Full Motion (Rotates And Tilts) Ceiling Mounts For 32" To 50" Flat Panel Displays, 39" To 63" Extension From Ceiling	687.26	235.14
Note: 360 degree rotation, 15-degree tilt.		
11 52 33 00-0036 EA Full Motion (Rotates And Tilts) Ceiling Mounts For 32" To 70" Flat Panel Displays, 18" To 31" Extension From Ceiling	817.51	235.14
Note: 360 degree rotation, 15-degree tilt.		
For 28" To 41" Extension Pole, Add	45.38	
For 38" To 51" Extension Pole, Add	57.79	
For 48" To 61" Extension Pole, Add	66.06	
11 52 33 00-0037 EA VMP Full Motion (Rotates And Tilts) Ceiling Mounts For 37" To 80" Flat Panel Displays, 15" To 37" Extension From Ceiling	863.00	235.14
Note: 360 degree rotation, 15-degree tilt.		
11 52 33 00-0038 Audio/Video Components (11 52 33)		
11 52 33 00-0039 EA MLC 104 IP Plus MLC - MediaLink™ Controller with IP Link® Ethernet Control, White (Extron Electronics #60-818-03)	1,642.87	88.18
11 52 33 00-0040 EA MLC 226 IP Enhanced MLC - MediaLink™ Controller with IP Link® Ethernet Control, Black (Extron Electronics #60-600-02)	2,234.86	88.18
11 52 33 00-0041 EA MPA 152 MPA 152 - Stereo Power Amplifier (Extron Electronics #60-844-01)	502.77	29.40
11 52 33 00-0042 EA MPA 401-70 Volt, 70 Volt Mono Power Amplifier - 40 Watt (Extron Electronics #60-845-01)	583.50	29.40
11 52 33 00-0043 EA MLS 406 Six Input MLS - MediaLink™ Switcher with Variable Preamp Audio Output Variable Preamp Audio Output (Extron Electronics #60-560-01)	2,374.37	117.57
11 52 33 00-0044 EA MLS 406MA Six Input MLS - MediaLink™ Switcher with Mono Audio Amplifier Mono Audio Amplifier (Extron Electronics #60-560-02)	2,643.45	117.57
11 52 33 00-0045 EA MLS 406SA Six Input MLS - MediaLink™ Switcher with Stereo Audio Amplifier Stereo Audio Amplifier (Extron Electronics #60-560-03)	2,643.45	117.57
11 52 33 00-0046 EA Wall Plate VGA 3.5 RJ-45 Passthru (Liberty Cable #PC-G1600-E-P-C)	166.26	14.70
11 52 33 00-0047 EA DVD/VCR Combo (Toshiba #SD V296)	169.50	
11 52 33 00-0048 EA DVD/VCR Combo (Toshiba #SD V392)	171.82	
11 52 33 00-0049 EA DVD/VCR Combo (Toshiba #DVR620)	315.64	
11 52 33 00-0050 EA DVD/VCR Combo (Toshiba #DVR670)	433.95	
11 52 33 00-0051 EA 9-1/2" Depth, Universal Rack Shelf Kit (Extron RSU 129)	333.69	
11 52 33 00-0052 Audio/Video Cabling (11 52 33)		
11 52 33 00-0053 EA HDMI M-M Pro/3 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-03)	43.30	
11 52 33 00-0054 EA HDMI M-M Pro/6 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-06)	63.48	
11 52 33 00-0055 EA HDMI M-M Pro/12 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-12)	94.94	
11 52 33 00-0056 EA HDMI M-M Pro/25 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-25)	197.60	
11 52 33 00-0057 EA HDMI M-M Pro/35 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-35)	278.33	
11 52 33 00-0058 EA HDMI M-M Pro/50 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-50)	382.18	
11 52 33 00-0059 EA HDMI M-M Pro/75 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-75)	523.45	
11 52 33 00-0060 EA HDMI M-M Pro/100 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-100)	644.53	
11 52 33 00-0061 EA HDMI M-M Pro/125 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-125)	768.56	

11 Equipment**11 50 Educational and Scientific Equipment****11 52 Audio-Visual Equipment**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

11 52 33 00-0062	EA	HDMI M-M Pro/150 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-150)	849.29	
11 52 33 00-0063	EA	HDMI M-M Pro/175 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-175)	1,013.68	
11 52 33 00-0064	EA	HDMI M-M Pro/200 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-200)	1,218.43	
11 52 33 00-0065	EA	DVI-D/3 Single Link Male to Male Cables (Extron Electronics #26-649-03)	43.30	
11 52 33 00-0066	EA	DVI-D/6 Single Link Male to Male Cables (Extron Electronics #26-649-06)	63.48	
11 52 33 00-0067	EA	DVI-D/12 Single Link Male to Male Cables (Extron Electronics #26-649-12)	94.94	
11 52 33 00-0068	EA	DVI-D/25 Single Link Male to Male Cables (Extron Electronics #26-649-25)	197.60	
11 52 33 00-0069	EA	DVI-D/35 Single Link Male to Male Cables (Extron Electronics #26-649-35)	278.33	
11 52 33 00-0070	EA	DVI-D/50 Single Link Male to Male Cables (Extron Electronics #26-649-50)	382.17	
11 52 33 00-0071	EA	DVI-D/75 Single Link Male to Male Cables (Extron Electronics #26-649-75)	523.44	
11 52 33 00-0072	EA	DVI-D/100 Single Link Male to Male Cables (Extron Electronics #26-649-100)	644.52	
11 52 33 00-0073	EA	DVI-D/125 Single Link Male to Male Cables (Extron Electronics #26-649-125)	768.56	
11 52 33 00-0074	EA	DVI-D/150 Single Link Male to Male Cables (Extron Electronics #26-649-150)	849.29	
11 52 33 00-0075	EA	DVI-D/175 Single Link Male to Male Cables (Extron Electronics #26-649-175)	1,013.68	
11 52 33 00-0076	EA	DVI-D/200 Single Link Male to Male Cables (Extron Electronics #26-649-200)	1,218.43	
11 52 33 00-0077	EA	AV RCA/6 RCA Male to Male Composite Video and Stereo Audio Cables 6' (Extron Electronics #26-643-06)	19.09	
11 52 33 00-0078	EA	AV RCA/20 RCA Male to Male Composite Video and Stereo Audio Cables 20' (Extron Electronics #26-643-20)	30.10	
11 52 33 00-0079	EA	VGA M-M MD/3 Male to Male VGA Molded Connector Cables 3' (Extron Electronics #26-238-14)	23.12	
11 52 33 00-0080	EA	VGA M-M MD/6 Male to Male VGA Molded Connector Cables 6' (Extron Electronics #26-238-01)	25.14	
11 52 33 00-0081	EA	VGA M-M MD/10 Male to Male VGA Molded Connector Cables 10' (Extron Electronics #26-238-07)	34.39	
11 52 33 00-0082	EA	VGA M-M MD/15 Male to Male VGA Molded Connector Cables 15' (Extron Electronics #26-238-02)	40.45	
11 52 33 00-0083	EA	VGA M-M MD/25 Male to Male VGA Molded Connector Cables 25' (Extron Electronics #26-238-03)	64.41	
11 52 33 00-0084	EA	VGA M-M MD/35 Male to Male VGA Molded Connector Cables 35' (Extron Electronics #26-238-17)	90.64	
11 52 33 00-0085	EA	VGA M-M MD/50 Male to Male VGA Molded Connector Cables 50' (Extron Electronics #26-238-18)	119.82	
11 52 33 00-0086	EA	VGA M-M MD/75 Male to Male VGA Molded Connector Cables 75' (Extron Electronics #26-238-19)	160.18	
11 52 33 00-0087	EA	VGA M-M MD/100 Male to Male VGA Molded Connector Cables 100' (Extron Electronics #26-238-20)	200.54	
11 52 33 00-0088	EA	VGA M-M BK/3 Male to Male VGA Backshell Connector Cables 3' (Extron Electronics #26-238-24)	33.21	
11 52 33 00-0089	EA	VGA M-M BK/6 Male to Male VGA Backshell Connector Cables 6' (Extron Electronics #26-238-25)	35.23	
11 52 33 00-0090	EA	VGA M-M BK/10 Male to Male VGA Backshell Connector Cables 10' (Extron Electronics #26-238-26)	44.48	
11 52 33 00-0091	EA	VGA M-M BK/15 Male to Male VGA Backshell Connector Cables 15' (Extron Electronics #26-238-27)	54.57	
11 52 33 00-0092	EA	VGA M-M BK/25 Male to Male VGA Backshell Connector Cables 25' (Extron Electronics #26-238-28)	76.51	
11 52 33 00-0093	EA	VGA M-M BK/35 Male to Male VGA Backshell Connector Cables 35' (Extron Electronics #26-238-16)	102.75	
11 52 33 00-0094	EA	VGA M-M BK/50 Male to Male VGA Backshell Connector Cables 50' (Extron Electronics #26-238-04)	140.00	
11 52 33 00-0095	EA	VGA M-M BK/75 Male to Male VGA Backshell Connector Cables 75' (Extron Electronics #26-238-05)	180.36	
11 52 33 00-0096	EA	VGA M-M BK/100 Male to Male VGA Backshell Connector Cables 100' (Extron Electronics #26-238-06)	230.82	
11 52 33 00-0097	EA	A Mini/2 3.5 mm Stereo Audio Male to Male Stereo Audio Cables (Extron Electronics #26-571-01)	6.98	
11 52 33 00-0098	EA	A Mini/9 3.5 mm Stereo Audio Male to Male Stereo Audio Cables (Extron Electronics #26-571-03)	8.99	
11 52 33 00-0099	EA	A Mini/12 3.5 mm Stereo Audio Male to Male Stereo Audio Cables (Extron Electronics #26-571-06)	11.01	
11 52 33 00-0100	EA	A Mini/25 3.5 mm Stereo Audio Male to Male Stereo Audio Cables (Extron Electronics #26-571-07)	15.05	

11 52 33 00-0101 Digital Displays ^(11 52 33)

Note: Excludes wall or ceiling mounts See CSI section 11 52 33 00-0019 for television mounting.

11 52 33 00-0102	EA	32" HD Direct-Lit LED Display, 1366x768, 330 Nits Brightness (Samsung ED-D)	911.04	22.44
		Note: Includes HDMI, VGA, DVI and component input.		
11 52 33 00-0103	EA	40" HD Direct-Lit LED Display, 1920x1080, 350 Nits Brightness (Samsung ED-D)	1,311.65	24.67
		Note: Includes HDMI, VGA, DVI and component input.		
11 52 33 00-0104	EA	46" HD Direct-Lit LED Display, 1920x1080, 350 Nits Brightness (Samsung ED-D)	2,388.51	26.92
		Note: Includes HDMI, VGA, DVI and component input.		
11 52 33 00-0105	EA	55" HD Direct-Lit LED Display, 1920x1080, 350 Nits Brightness (Samsung ED-D)	3,365.69	29.16
		Note: Includes HDMI, VGA, DVI and component input.		
11 52 33 00-0106	EA	65" HD Direct-Lit LED Display, 1920x1080, 400 Nits Brightness (Samsung ED-D)	6,596.59	31.41
		Note: Includes HDMI, VGA, DVI and component input.		
11 52 33 00-0107	EA	75" HD Direct-Lit LED Display, 1920x1080, 320 Nits Brightness (Samsung ED-D)	10,500.80	35.90
		Note: Includes HDMI, VGA, DVI and component input.		

11 53 Laboratory Equipment ^(11 50)**11 53 13 Laboratory Fume Hoods** ^(11 53)**11 53 13 11 General Laboratory Fume Hoods** ^(11 53 13)**11 53 13 11-0001 Fume Hoods (Kewaunee Scientific)** ^(11 53 13 11)**11 53 13 11-0002 General Purpose Bench Fume Hood With Vertical Rising Sash (Kewaunee Scientific H05)** ^(11 53 13 11-0001)

11 53 13 11-0003	EA	4' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H05G5448-00)	10,225.30	
		Note: Includes material and installation		
11 53 13 11-0004	EA	4' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H05K5448-00)	10,872.17	
		Note: Includes material and installation		
11 53 13 11-0005	EA	4' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H05S5448-00)	13,951.81	
		Note: Includes material and installation		
11 53 13 11-0006	EA	4' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H05T5448-00)	9,640.71	
		Note: Includes material and installation		
11 53 13 11-0007	EA	5' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H05G5460-00)	11,044.93	
		Note: Includes material and installation		
11 53 13 11-0008	EA	5' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H05K5460-00)	11,691.80	
		Note: Includes material and installation		

		Equipment	11
		Educational and Scientific Equipment	11 50
		Laboratory Equipment	11 53

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 53 13 11-0009	EA		5' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H05S5460-00).....	14,795.55	
			Note: Includes material and installation		
11 53 13 11-0010	EA		5' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H05T5460-00).....	10,267.49	
			Note: Includes material and installation		
11 53 13 11-0011	EA		6' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H05G5472-00).....	10,641.14	
			Note: Includes material and installation		
11 53 13 11-0012	EA		6' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H05K5472-00).....	12,553.62	
			Note: Includes material and installation		
11 53 13 11-0013	EA		6' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H05S5472-00).....	15,518.75	
			Note: Includes material and installation		
11 53 13 11-0014	EA		6' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H05T5472-00).....	11,257.88	
			Note: Includes material and installation		
11 53 13 11-0015	EA		8' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H05G5496-00).....	14,492.20	
			Note: Includes material and installation		
11 53 13 11-0016	EA		8' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H05K5496-00).....	17,045.52	
			Note: Includes material and installation		
11 53 13 11-0017	EA		8' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H05S5496-00).....	20,056.86	
			Note: Includes material and installation		
11 53 13 11-0018	EA		8' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H05T5496-00).....	13,359.18	
			Note: Includes material and installation		
11 53 13 11-0019	EA		4' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H05G5448B00).....	10,384.00	
			Note: Includes material and installation		
11 53 13 11-0020	EA		4' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H05K5448B00).....	11,032.88	
			Note: Includes material and installation		
11 53 13 11-0021	EA		4' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H05S5448B00).....	14,116.54	
			Note: Includes material and installation		
11 53 13 11-0022	EA		4' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H05T5448B00).....	9,807.45	
			Note: Includes material and installation		
11 53 13 11-0023	EA		5' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H05G5460B00).....	11,227.74	
			Note: Includes material and installation		
11 53 13 11-0024	EA		5' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H05K5460B00).....	11,878.63	
			Note: Includes material and installation		
11 53 13 11-0025	EA		5' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H05S5460B00).....	14,974.34	
			Note: Includes material and installation		
11 53 13 11-0026	EA		5' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H05T5460B00).....	10,448.29	
			Note: Includes material and installation		
11 53 13 11-0027	EA		6' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H05G5472B00).....	12,101.61	
			Note: Includes material and installation		
11 53 13 11-0028	EA		6' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H05K5472B00).....	12,744.46	
			Note: Includes material and installation		
11 53 13 11-0029	EA		6' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H05S5472B00).....	15,709.60	
			Note: Includes material and installation		
11 53 13 11-0030	EA		6' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H05T5472B00).....	11,454.75	
			Note: Includes material and installation		
11 53 13 11-0031	EA		8' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H05G5496B00).....	14,705.15	
			Note: Includes material and installation		
11 53 13 11-0032	EA		8' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H05K5496B00).....	17,242.39	
			Note: Includes material and installation		
11 53 13 11-0033	EA		8' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H05S5496B00).....	20,271.81	
			Note: Includes material and installation		
11 53 13 11-0034	EA		8' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H05T5496B00).....	13,572.13	
			Note: Includes material and installation		
11 53 13 11-0035			Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash (Kewaunee Scientific H07) (11 53 13 11-0001)		
11 53 13 11-0036	EA		4' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H07G5448B00).....	11,731.98	
			Note: Includes material and installation		
11 53 13 11-0037	EA		4' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H07K5448B00).....	12,376.83	
			Note: Includes material and installation		

11 Equipment**11 50 Educational and Scientific Equipment****11 53 Laboratory Equipment**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

11 53 13 11-0038	EA	4' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H07S5448B00) Note: Includes material and installation	15,462.50
11 53 13 11-0039	EA	4' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H07T5448B00)..... Note: Includes material and installation	11,151.40
11 53 13 11-0040	EA	5' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H07G5460B00) Note: Includes material and installation	12,875.04
11 53 13 11-0041	EA	5' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H07K5460B00) Note: Includes material and installation	13,525.92
11 53 13 11-0042	EA	5' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H07S5460B00) Note: Includes material and installation	16,627.67
11 53 13 11-0043	EA	5' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H07T5460B00)..... Note: Includes material and installation	12,101.61
11 53 13 11-0044	EA	6' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H07G5472B00) Note: Includes material and installation	13,845.34
11 53 13 11-0045	EA	6' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H07K5472B00) Note: Includes material and installation	14,492.20
11 53 13 11-0046	EA	6' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H07S5472B00) Note: Includes material and installation	17,457.34
11 53 13 11-0047	EA	6' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H07T5472B00)..... Note: Includes material and installation	13,196.46
11 53 13 11-0048	EA	8' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H07G5496B00) Note: Includes material and installation	16,973.20
11 53 13 11-0049	EA	8' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H07K5496B00) Note: Includes material and installation	17,614.04
11 53 13 11-0050	EA	8' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H07S5496B00) Note: Includes material and installation	22,533.83
11 53 13 11-0051	EA	8' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H07T5496B00)..... Note: Includes material and installation	15,846.20

11 53 13 11-0052 ADA Bench Fume Hood With Vertical Rising Sash (Kewaunee Scientific H08)
(11 53 13 11-0001)

11 53 13 11-0053	EA	4' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H08G5448-00)..... Note: Includes material and installation	10,323.74
11 53 13 11-0054	EA	4' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H08K5448-00)..... Note: Includes material and installation	10,982.66
11 53 13 11-0055	EA	4' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H08S5448-00)..... Note: Includes material and installation	13,843.33
11 53 13 11-0056	EA	4' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H08T5448-00) Note: Includes material and installation	9,737.14
11 53 13 11-0057	EA	5' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H08G5460-00)..... Note: Includes material and installation	11,141.36
11 53 13 11-0058	EA	5' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H08K5460-00)..... Note: Includes material and installation	11,701.84
11 53 13 11-0059	EA	5' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H08S5460-00)..... Note: Includes material and installation	14,777.47
11 53 13 11-0060	EA	5' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H08T5460-00) Note: Includes material and installation	10,365.92
11 53 13 11-0061	EA	6' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H08G5472-00)..... Note: Includes material and installation	12,005.19
11 53 13 11-0062	EA	6' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H08K5472-00)..... Note: Includes material and installation	12,842.90
11 53 13 11-0063	EA	6' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H08S5472-00)..... Note: Includes material and installation	16,264.05
11 53 13 11-0064	EA	6' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H08T5472-00) Note: Includes material and installation	11,356.31
11 53 13 11-0065	EA	4' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H08G5448B00) Note: Includes material and installation	10,482.44
11 53 13 11-0066	EA	4' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H08K5448B00)..... Note: Includes material and installation	11,171.49

		Equipment	11
		Educational and Scientific Equipment	11 50
		Laboratory Equipment	11 53

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
11 53 13 11-0067	EA	4' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H08S5448B00).....	14,090.42	
		Note: Includes material and installation		
11 53 13 11-0068	EA	4' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H08T5448B00).....	9,903.88	
		Note: Includes material and installation		
11 53 13 11-0069	EA	5' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H08G5460B00).....	11,328.19	
		Note: Includes material and installation		
11 53 13 11-0070	EA	5' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H08K5460B00).....	11,904.74	
		Note: Includes material and installation		
11 53 13 11-0071	EA	5' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H08S5460B00).....	15,044.65	
		Note: Includes material and installation		
11 53 13 11-0072	EA	5' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H08T5460B00).....	10,542.71	
		Note: Includes material and installation		
11 53 13 11-0073	EA	6' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H08G5472B00).....	12,200.05	
		Note: Includes material and installation		
11 53 13 11-0074	EA	6' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H08K5472B00).....	13,065.89	
		Note: Includes material and installation		
11 53 13 11-0075	EA	6' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H08S5472B00).....	16,555.34	
		Note: Includes material and installation		
11 53 13 11-0076	EA	6' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H08T5472B00).....	11,551.18	
		Note: Includes material and installation		
11 53 13 11-0077		ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash (Kewaunee Scientific H09) (11 53 13 11-0001)		
11 53 13 11-0078	EA	4' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H09G5448B00).....	14,070.34	
		Note: Includes material and installation		
11 53 13 11-0079	EA	4' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H09K5448B00).....	15,297.77	
		Note: Includes material and installation		
11 53 13 11-0080	EA	4' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H09S5448B00).....	19,452.18	
		Note: Includes material and installation		
11 53 13 11-0081	EA	4' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H09T5448B00).....	13,489.76	
		Note: Includes material and installation		
11 53 13 11-0082	EA	5' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H09G5460B00).....	15,211.39	
		Note: Includes material and installation		
11 53 13 11-0083	EA	5' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H09K5460B00).....	16,382.58	
		Note: Includes material and installation		
11 53 13 11-0084	EA	5' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H09S5460B00).....	20,864.44	
		Note: Includes material and installation		
11 53 13 11-0085	EA	5' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H09T5460B00).....	14,435.96	
		Note: Includes material and installation		
11 53 13 11-0086	EA	6' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H09G5472B00).....	16,181.69	
		Note: Includes material and installation		
11 53 13 11-0087	EA	6' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H09K5472B00).....	17,648.19	
		Note: Includes material and installation		
11 53 13 11-0088	EA	6' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H09S5472B00).....	22,511.73	
		Note: Includes material and installation		
11 53 13 11-0089	EA	6' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H09T5472B00).....	15,536.83	
		Note: Includes material and installation		
11 53 13 11-0090		Isotope Bench Fume Hood With Vertical Rising Sash (Kewaunee Scientific H20) (11 53 13 11-0001)		
11 53 13 11-0091	EA	4' Wide, Isotope Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H20S5448-00).....	21,218.00	
		Note: Includes material and installation		
11 53 13 11-0092	EA	5' Wide, Isotope Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H20S5460-00).....	23,550.33	
		Note: Includes material and installation		
11 53 13 11-0093	EA	6' Wide, Isotope Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H20S5472-00).....	24,846.08	
		Note: Includes material and installation		
11 53 13 11-0094	EA	8' Wide, Isotope Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H20S5496-00).....	33,596.84	
		Note: Includes material and installation		
11 53 13 11-0095	EA	4' Wide, Isotope Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H20S5448B00).....	21,396.79	
		Note: Includes material and installation		

11	11 Equipment
	11 50 Educational and Scientific Equipment
	11 53 Laboratory Equipment

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 53 13 11-0096	EA	5' Wide, Isotope Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H20S5460B00).....	23,729.13		
		Note: Includes material and installation			
11 53 13 11-0097	EA	6' Wide, Isotope Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H20S5472B00).....	25,036.92		
		Note: Includes material and installation			
11 53 13 11-0098	EA	8' Wide, Isotope Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H20S5496B00).....	33,811.80		
		Note: Includes material and installation			
11 53 13 11-0099		Perchloric Acid Bench Fume Hood With Vertical Rising Sash (Kewaunee Scientific H25) (11 53 13 11-0001)			
11 53 13 11-0100	EA	4' Wide, Perchloric Acid Bench Fume Hood With Vertical Rising Sash, Type 316 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H25L5448-00).....	28,030.18		
		Note: Includes material and installation			
11 53 13 11-0101	EA	5' Wide, Perchloric Acid Bench Fume Hood With Vertical Rising Sash, Type 316 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H25L5460-00).....	28,126.61		
		Note: Includes material and installation			
11 53 13 11-0102	EA	6' Wide, Perchloric Acid Bench Fume Hood With Vertical Rising Sash, Type 316 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H25L5472-00).....	31,204.24		
		Note: Includes material and installation			
11 53 13 11-0103		HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash (Kewaunee Scientific HOPEC) (11 53 13 11-0001)			
11 53 13 11-0104	EA	4' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific HOPG5448B00).....	14,542.43		
		Note: Includes material and installation			
11 53 13 11-0105	EA	4' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific HOPK5448B00).....	15,191.30		
		Note: Includes material and installation			
11 53 13 11-0106	EA	4' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific HOPS5448B00).....	18,272.95		
		Note: Includes material and installation			
11 53 13 11-0107	EA	4' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific HOPT5448B00).....	13,957.84		
		Note: Includes material and installation			
11 53 13 11-0108	EA	5' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific HOPG5460B00).....	15,852.23		
		Note: Includes material and installation			
11 53 13 11-0109	EA	5' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific HOPK5460B00).....	16,501.10		
		Note: Includes material and installation			
11 53 13 11-0110	EA	5' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific HOPS5460B00).....	19,600.84		
		Note: Includes material and installation			
11 53 13 11-0111	EA	5' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific HOPT5460B00).....	15,076.79		
		Note: Includes material and installation			
11 53 13 11-0112	EA	6' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific HOPG5472B00).....	16,935.03		
		Note: Includes material and installation			
11 53 13 11-0113	EA	6' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific HOPK5472B00).....	17,577.88		
		Note: Includes material and installation			
11 53 13 11-0114	EA	6' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific HOPS5472B00).....	20,547.03		
		Note: Includes material and installation			
11 53 13 11-0115	EA	6' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific HOPT5472B00).....	16,284.14		
		Note: Includes material and installation			
11 53 13 11-0116	EA	8' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific HOPG5496B00).....	22,057.72		
		Note: Includes material and installation			
11 53 13 11-0117	EA	8' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific HOPK5496B00).....	22,704.59		
		Note: Includes material and installation			
11 53 13 11-0118	EA	8' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific HOPS5496B00).....	27,620.37		
		Note: Includes material and installation			
11 53 13 11-0119	EA	8' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific HOPT5496B00).....	20,926.71		
		Note: Includes material and installation			
11 53 13 11-0120		General Purpose Walk-In Fume Hood With Vertical Rising Sash (Kewaunee Scientific H30) (11 53 13 11-0001)			
11 53 13 11-0121	EA	4' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H30G9048-00).....	21,364.65		
		Note: Includes material and installation			
11 53 13 11-0122	EA	4' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H30K9048-00).....	22,003.48		
		Note: Includes material and installation			
11 53 13 11-0123	EA	4' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H30S9048-00).....	27,377.29		
		Note: Includes material and installation			

		Equipment	11	
		Educational and Scientific Equipment	11 50	
		Laboratory Equipment	11 53	

MINOR				TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST	
11 53 13 11-0124	EA	4' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H30T9048-00).....	20,070.92			
		Note: Includes material and installation				
11 53 13 11-0125	EA	5' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H30G9060-00).....	22,766.86			
		Note: Includes material and installation				
11 53 13 11-0126	EA	5' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H30K9060-00).....	23,413.73			
		Note: Includes material and installation				
11 53 13 11-0127	EA	5' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H30S9060-00).....	30,398.67			
		Note: Includes material and installation				
11 53 13 11-0128	EA	5' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H30T9060-00).....	21,288.31			
		Note: Includes material and installation				
11 53 13 11-0129	EA	6' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H30G9072-00).....	24,159.03			
		Note: Includes material and installation				
11 53 13 11-0130	EA	6' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H30K9072-00).....	24,799.87			
		Note: Includes material and installation				
11 53 13 11-0131	EA	6' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H30S9072-00).....	32,574.31			
		Note: Includes material and installation				
11 53 13 11-0132	EA	6' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H30T9072-00).....	23,572.43			
		Note: Includes material and installation				
11 53 13 11-0133	EA	8' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H30G9096-00).....	30,840.63			
		Note: Includes material and installation				
11 53 13 11-0134	EA	8' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H30K9096-00).....	31,491.52			
		Note: Includes material and installation				
11 53 13 11-0135	EA	8' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H30S9096-00).....	42,231.10			
		Note: Includes material and installation				
11 53 13 11-0136	EA	8' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H30T9096-00).....	29,311.86			
		Note: Includes material and installation				
11 53 13 11-0137	EA	4' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H30G9048B00).....	21,529.38			
		Note: Includes material and installation				
11 53 13 11-0138	EA	4' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H30K9048B00).....	22,164.19			
		Note: Includes material and installation				
11 53 13 11-0139	EA	4' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H30S9048B00).....	27,542.02			
		Note: Includes material and installation				
11 53 13 11-0140	EA	4' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H30T9048B00).....	20,233.64			
		Note: Includes material and installation				
11 53 13 11-0141	EA	5' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H30G9060B00).....	22,949.67			
		Note: Includes material and installation				
11 53 13 11-0142	EA	5' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H30K9060B00).....	23,594.53			
		Note: Includes material and installation				
11 53 13 11-0143	EA	5' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H30S9060B00).....	30,583.49			
		Note: Includes material and installation				
11 53 13 11-0144	EA	5' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H30T9060B00).....	21,473.13			
		Note: Includes material and installation				
11 53 13 11-0145	EA	6' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H30G9072B00).....	24,351.89			
		Note: Includes material and installation				
11 53 13 11-0146	EA	6' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H30K9072B00).....	24,994.73			
		Note: Includes material and installation				
11 53 13 11-0147	EA	6' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H30S9072B00).....	32,769.18			
		Note: Includes material and installation				
11 53 13 11-0148	EA	6' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H30T9072B00).....	23,769.30			
		Note: Includes material and installation				
11 53 13 11-0149	EA	8' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H30G9096B00).....	31,047.55			
		Note: Includes material and installation				
11 53 13 11-0150	EA	8' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H30K9096B00).....	31,700.44			
		Note: Includes material and installation				
11 53 13 11-0151	EA	8' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H30S9096B00).....	42,438.01			
		Note: Includes material and installation				
11 53 13 11-0152	EA	8' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H30T9096B00).....	29,522.79			
		Note: Includes material and installation				

11	11	Equipment
	11 50	Educational and Scientific Equipment
	11 53	Laboratory Equipment

MINOR				TOTAL DIRECT		DEMOLITION	
CSI UOM DESCRIPTION				UNIT COST		UNIT COST	
11 53 13 11-0153 Stand-Alone, TruView® Teaching Hoods (Kewaunee Scientific T90)				(11 53 13 11-0001)			
11 53 13 11-0154	EA	4' Wide, Stand-Alone, Single Sided Hood Structure, TruView® Teaching Hoods (Kewaunee Scientific T90M3048-SA).....	17,415.15				
Note: Includes material and installation							
11 53 13 11-0155	EA	5' Wide, Stand-Alone, Single Sided Hood Structure, TruView® Teaching Hoods (Kewaunee Scientific T90M3060-SA).....	19,851.95				
Note: Includes material and installation							
11 53 13 11-0156	EA	6' Wide, Stand-Alone, Single Sided Hood Structure, TruView® Teaching Hoods (Kewaunee Scientific T90M3072-SA).....	21,515.32				
Note: Includes material and installation							
11 53 13 11-0157	EA	4' Wide, Stand-Alone, Double Sided Hood Structure, TruView® Teaching Hoods (Kewaunee Scientific T90M6048-SA).....	30,738.18				
Note: Includes material and installation							
11 53 13 11-0158	EA	5' Wide, Stand-Alone, Double Sided Hood Structure, TruView® Teaching Hoods (Kewaunee Scientific T90M6060-SA).....	35,199.95				
Note: Includes material and installation							
11 53 13 11-0159	EA	6' Wide, Stand-Alone, Double Sided Hood Structure, TruView® Teaching Hoods (Kewaunee Scientific T90M6072-SA).....	37,445.90				
Note: Includes material and installation							
11 53 13 11-0160 Options For Fume Hoods (Kewaunee Scientific)				(11 53 13 11-0001)			
11 53 13 11-0161	EA	Single Point Adjustable Baffles (Kewaunee Scientific Option C)	464.06				
Note: Includes material and installation							
11 53 13 11-0162	EA	Fire Extinguisher (Kewaunee Scientific Option E)	2,008.90				
Note: Includes material and installation							
11 53 13 11-0163	EA	Stainless Steel Lower Deflector Vane (Kewaunee Scientific Option O).....	333.48				
Note: Includes material and installation							
11 53 13 11-0164	EA	4' Wide, Black Epoxy Resin Worksurface (Kewaunee Scientific 019243-48B).....	1,368.06				
Note: Includes material and installation							
11 53 13 11-0165	EA	5' Wide, Black Epoxy Resin Worksurface (Kewaunee Scientific 019243-60B)	1,599.08				
Note: Includes material and installation							
11 53 13 11-0166	EA	6' Wide, Black Epoxy Resin Worksurface (Kewaunee Scientific 019243-72B).....	1,844.17				
Note: Includes material and installation							
11 53 13 11-0167	EA	8' Wide, Black Epoxy Resin Worksurface (Kewaunee Scientific 019243-96B)	2,386.57				
Note: Includes material and installation							
11 53 13 11-0168	EA	4' Wide, Black Epoxy Resin Worksurface For ADA Fume Hood (Kewaunee Scientific 020126-48B).....	1,368.06				
Note: Includes material and installation							
11 53 13 11-0169	EA	5' Wide, Black Epoxy Resin Worksurface For ADA Fume Hood (Kewaunee Scientific 020126-60B).....	1,599.08				
Note: Includes material and installation							
11 53 13 11-0170	EA	6' Wide, Black Epoxy Resin Worksurface For ADA Fume Hood (Kewaunee Scientific 020126-72B).....	1,844.17				
Note: Includes material and installation							
11 53 13 11-0171	EA	4' Wide, Black Epoxy Resin Worksurface For HOPEC Fume Hood (Kewaunee Scientific 020128-48B)	1,368.06				
Note: Includes material and installation							
11 53 13 11-0172	EA	5' Wide, Black Epoxy Resin Worksurface For HOPEC Fume Hood (Kewaunee Scientific 020128-60B)	1,599.08				
Note: Includes material and installation							
11 53 13 11-0173	EA	6' Wide, Black Epoxy Resin Worksurface For HOPEC Fume Hood (Kewaunee Scientific 020128-72B)	1,844.17				
Note: Includes material and installation							
11 53 13 11-0174	EA	8' Wide, Black Epoxy Resin Worksurface For HOPEC Fume Hood (Kewaunee Scientific 020128-96B)	2,386.57				
Note: Includes material and installation							
11 53 13 11-0175	EA	4' Wide, Black Epoxy Resin Worksurface For Walk-In Fume Hood (Kewaunee Scientific 019250-48B).....	1,428.33				
Note: Includes material and installation							
11 53 13 11-0176	EA	5' Wide, Black Epoxy Resin Worksurface For Walk-In Fume Hood (Kewaunee Scientific 019250-60B).....	1,669.40				
Note: Includes material and installation							
11 53 13 11-0177	EA	6' Wide, Black Epoxy Resin Worksurface For Walk-In Fume Hood (Kewaunee Scientific 019250-72B).....	1,930.55				
Note: Includes material and installation							
11 53 13 11-0178	EA	8' Wide, Black Epoxy Resin Worksurface For Walk-In Fume Hood (Kewaunee Scientific 019250-96B).....	2,499.07				
Note: Includes material and installation							
11 53 13 11-0179	EA	Black Poly Cupsink (Kewaunee Scientific 0491-BP).....	178.79				
Note: Includes material and installation							
11 53 13 11-0180	EA	Stainless Steel Cupsink (Kewaunee Scientific 0950-0F)	1,681.45				
Note: Includes material and installation							
11 53 13 11-0181	EA	Air Service Fitting, Panel Flange With Angle Serrated Hose Connector (Kewaunee Scientific W-0860-3A-I)	640.84				
Note: Includes material and installation							
11 53 13 11-0182	EA	Gas Service Fitting, Panel Flange With Angle Serrated Hose Connector (Kewaunee Scientific W-0860-3G-I).....	640.84				
Note: Includes material and installation							
11 53 13 11-0183	EA	Vacuum Service Fitting, Panel Flange With Angle Serrated Hose Connector (Kewaunee Scientific W-0860-3V-I)	640.84				
Note: Includes material and installation							
11 53 13 11-0184	EA	Steam Service Fitting, Panel Flange With Angle Serrated Hose Connector (Kewaunee Scientific W-0861-3S-I)	715.17				
Note: Includes material and installation							
11 53 13 11-0185	EA	Cold Water Service Fitting, Panel Flange With Angle Serrated Hose Connector (Kewaunee Scientific W-0861-3W-I).....	715.17				
Note: Includes material and installation							
11 53 13 11-0186	EA	Distilled Water Service Fitting, Panel Flange With Angle Serrated Hose Connector (Kewaunee Scientific W-0861-3D-I).....	1,060.70				
Note: Includes material and installation							
11 53 13 11-0187	EA	Cold Water Service Fitting, Gooseneck With Vacuum Breaker, 27-3/4" Long Handle (Kewaunee Scientific W-0864-3WV-I)	1,084.81				
Note: Includes material and installation							
11 53 13 11-0188	EA	Cold Water Service Fitting, Gooseneck With Vacuum Breaker, 12-1/2" Long Handle (Kewaunee Scientific W-0864-3WVA-I).....	1,112.93				
Note: Includes material and installation							
11 53 13 11-0189	EA	Hot And Cold Water Service Fitting, Gooseneck With Vacuum Breaker, 27-3/4" Long Handle (Kewaunee Scientific W-0868-3WV-I)	1,727.65				
Note: Includes material and installation							
11 53 13 11-0190	EA	Hot And Cold Water Service Fitting, Gooseneck With Vacuum Breaker, 12-1/2" Long Handle (Kewaunee Scientific W-0868-3WVA-I).....	1,793.95				
Note: Includes material and installation							

			Equipment	11	
			Educational and Scientific Equipment	11 50	
			Laboratory Equipment	11 53	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

11 53 13 11-0191			Base Cabinets For Fume Hoods (Kewaunee Scientific) (11 53 13 11-0001)		
11 53 13 11-0192	EA		24" Long x 35-3/4" High x 22" Deep, Single Door, Fume Hood Steel Base Cabinet (Kewaunee Scientific G08M3724-0) Note: Includes material and installation	1,257.57	
11 53 13 11-0193	EA		30" Long x 35-3/4" High x 22" Deep, Double Door, Fume Hood Steel Base Cabinet (Kewaunee Scientific G08M3730-0) Note: Includes material and installation	1,532.79	
11 53 13 11-0194	EA		36" Long x 35-3/4" High x 22" Deep, Double Door, Fume Hood Steel Base Cabinet (Kewaunee Scientific G08M3736-0) Note: Includes material and installation	1,613.15	
11 53 13 11-0195	EA		48" Long x 35-3/4" High x 22" Deep, Double Door, Fume Hood Steel Base Cabinet (Kewaunee Scientific G08M3748-0) Note: Includes material and installation	1,665.38	
11 53 13 11-0196	EA		60" Long x 35-3/4" High x 22" Deep, Double Door, Fume Hood Steel Base Cabinet (Kewaunee Scientific G08M3760-0) Note: Includes material and installation	1,818.05	
11 53 13 11-0197	EA		24" Long x 35-3/4" High x 22" Deep, Single Door, Fume Hood Wood Base Cabinet (Kewaunee Scientific G08H3624-0) Note: Includes material and installation	1,257.57	
11 53 13 11-0198	EA		30" Long x 35-3/4" High x 22" Deep, Double Door, Fume Hood Wood Base Cabinet (Kewaunee Scientific G08H3630-0) Note: Includes material and installation	1,532.79	
11 53 13 11-0199	EA		36" Long x 35-3/4" High x 22" Deep, Double Door, Fume Hood Wood Base Cabinet (Kewaunee Scientific G08H3636-0) Note: Includes material and installation	1,625.20	
11 53 13 11-0200	EA		48" Long x 35-3/4" High x 22" Deep, Double Door, Fume Hood Wood Base Cabinet (Kewaunee Scientific G08H3648-0) Note: Includes material and installation	1,665.38	
11 53 13 11-0201	EA		60" Long x 35-3/4" High x 22" Deep, Double Door, Fume Hood Wood Base Cabinet (Kewaunee Scientific G08H3660-0) Note: Includes material and installation	1,818.05	
11 53 13 11-0202	EA		15" Long x 30" High x 22" Deep, Single Door, Fume Hood Steel Base Cabinet (Kewaunee Scientific G00M3115-0) Note: Includes material and installation	1,265.61	
11 53 13 11-0203	EA		18" Long x 30" High x 22" Deep, Single Door, Fume Hood Steel Base Cabinet (Kewaunee Scientific G00M3118-0) Note: Includes material and installation	1,339.94	
11 53 13 11-0204	EA		21" Long x 30" High x 22" Deep, Single Door, Fume Hood Steel Base Cabinet (Kewaunee Scientific G00M3121-0) Note: Includes material and installation	1,398.19	
11 53 13 11-0205	EA		24" Long x 30" High x 22" Deep, Single Door, Fume Hood Steel Base Cabinet (Kewaunee Scientific G00M3124-0) Note: Includes material and installation	1,416.27	
11 53 13 11-0206	EA		24" Long x 35-3/4" High x 22" Deep, Single Door, Solvent Storage Fume Hood Steel Base Cabinet (Kewaunee Scientific G68M3724-01) Note: Includes material and installation	3,061.56	
11 53 13 11-0207	EA		30" Long x 35-3/4" High x 22" Deep, Double Door, Solvent Storage Fume Hood Steel Base Cabinet (Kewaunee Scientific G68M3730-01) Note: Includes material and installation	4,045.92	
11 53 13 11-0208	EA		36" Long x 35-3/4" High x 22" Deep, Double Door, Solvent Storage Fume Hood Steel Base Cabinet (Kewaunee Scientific G68M3736-01) Note: Includes material and installation	4,228.73	
11 53 13 11-0209	EA		48" Long x 35-3/4" High x 22" Deep, Double Door, Solvent Storage Fume Hood Steel Base Cabinet (Kewaunee Scientific G68M3748-01) Note: Includes material and installation	4,831.40	
11 53 13 11-0210	EA		24" Long x 35-3/4" High x 22" Deep, Single Door, Acid Storage Fume Hood Steel Base Cabinet (Kewaunee Scientific G80M3724-0) Note: Includes material and installation	2,420.72	
11 53 13 11-0211	EA		30" Long x 35-3/4" High x 22" Deep, Double Door, Acid Storage Fume Hood Steel Base Cabinet (Kewaunee Scientific G80M3730-0) Note: Includes material and installation	2,812.46	
11 53 13 11-0212	EA		36" Long x 35-3/4" High x 22" Deep, Double Door, Acid Storage Fume Hood Steel Base Cabinet (Kewaunee Scientific G80M3736-0) Note: Includes material and installation	2,860.67	
11 53 13 11-0213	EA		48" Long x 35-3/4" High x 22" Deep, Double Door, Acid Storage Fume Hood Steel Base Cabinet (Kewaunee Scientific G80M3748-0) Note: Includes material and installation	3,029.42	
11 53 13 11-0214	EA		60" Long x 35-3/4" High x 22" Deep, Double Door, Acid Storage Fume Hood Steel Base Cabinet (Kewaunee Scientific G80M3760-0) Note: Includes material and installation	3,318.70	
11 53 13 11-0215	EA		24" Long x 35-3/4" High x 22" Deep, Single Door, Acid Storage Fume Hood Wood Base Cabinet (Kewaunee Scientific G80H3724-0) Note: Includes material and installation	2,179.66	
11 53 13 11-0216	EA		30" Long x 35-3/4" High x 22" Deep, Double Door, Acid Storage Fume Hood Wood Base Cabinet (Kewaunee Scientific G80H3730-0) Note: Includes material and installation	2,466.93	
11 53 13 11-0217	EA		36" Long x 35-3/4" High x 22" Deep, Double Door, Acid Storage Fume Hood Wood Base Cabinet (Kewaunee Scientific G80H3736-0) Note: Includes material and installation	2,565.37	
11 53 13 11-0218	EA		48" Long x 35-3/4" High x 22" Deep, Double Door, Acid Storage Fume Hood Wood Base Cabinet (Kewaunee Scientific G80H3748-0) Note: Includes material and installation	2,728.09	
11 53 13 11-0219	EA		60" Long x 35-3/4" High x 22" Deep, Double Door, Acid Storage Fume Hood Wood Base Cabinet (Kewaunee Scientific G80H3760-0) Note: Includes material and installation	2,939.02	

11	11	Equipment
	11 50	Educational and Scientific Equipment
	11 53	Laboratory Equipment

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 53 13 11-0220			Filters And Housing For Fume Hoods (Kewaunee Scientific) (11 53 13 11-0001)		
11 53 13 11-0221	EA		Painted CRS Filter Housing (Kewaunee Scientific X-016869)..... Note: Includes material and installation	1,984.79	
11 53 13 11-0222	EA		Stainless Steel Filter Housing (Kewaunee Scientific X-016868)..... Note: Includes material and installation	23,160.61	
11 53 13 11-0223	EA		High Efficiency Filter (Kewaunee Scientific 0864-00)..... Note: Includes material and installation	1,984.79	
11 53 13 11-0224	EA		Charcoal Absorber (Kewaunee Scientific 0855-00)..... Note: Includes material and installation	23,160.61	
11 53 13 11-0225	EA		Prefilter (Kewaunee Scientific 0863-00)..... Note: Includes material and installation	148.66	
11 53 13 11-0226			Centrifugal Fans For Fume Hoods (Kewaunee Scientific) (11 53 13 11-0001)		
11 53 13 11-0227	EA		1/4 HP, Single-Phase, 9" Outlet, Centrifugal Fume Hood Fan (Kewaunee Scientific HFS-0902-T1)..... Note: Includes material and installation	5,357.74	
11 53 13 11-0228	EA		1/3 HP, Single-Phase, 9" Outlet, Centrifugal Fume Hood Fan (Kewaunee Scientific HFS-0903-T1)..... Note: Includes material and installation	5,506.39	
11 53 13 11-0229	EA		1/2 HP, Single-Phase, 9" Outlet, Centrifugal Fume Hood Fan (Kewaunee Scientific HFS-0905-T1)..... Note: Includes material and installation	5,580.72	
11 53 13 11-0230	EA		3/4 HP, Single-Phase, 10" Outlet, Centrifugal Fume Hood Fan (Kewaunee Scientific HFS-1008-T1)..... Note: Includes material and installation	6,170.34	
11 53 13 11-0231	EA		1 HP, Single-Phase, 13" Outlet, Centrifugal Fume Hood Fan (Kewaunee Scientific HFS-1310-T1)..... Note: Includes material and installation	6,759.95	
11 53 13 11-0232	EA		1-1/2 HP, Single-Phase, 14-1/2" Outlet, Centrifugal Fume Hood Fan (Kewaunee Scientific HFS-1415-T1)..... Note: Includes material and installation	9,693.95	
11 53 13 11-0233	EA		2 HP, Single-Phase, 16-1/8" Outlet, Centrifugal Fume Hood Fan (Kewaunee Scientific HFS-1620-T1)..... Note: Includes material and installation	12,627.95	
11 53 13 11-0234			Exhaust Stacks And Adapters For Fume Hoods (Kewaunee Scientific) (11 53 13 11-0001)		
11 53 13 11-0235	EA		6-9/16" Diameter x 99-1/8" Long, Cold Rolled Steel Stackhead (Kewaunee Scientific HES-0909-00)..... Note: Includes material and installation	891.95	
11 53 13 11-0236	EA		8-1/16" Diameter x 97-7/8" Long, Cold Rolled Steel Stackhead (Kewaunee Scientific HES-0909-00)..... Note: Includes material and installation	978.33	
11 53 13 11-0237	EA		9-11/16" Diameter x 92-1/2" Long, Cold Rolled Steel Stackhead (Kewaunee Scientific HES-0909-00)..... Note: Includes material and installation	996.41	
11 53 13 11-0238	EA		10-13/16" Diameter x 91-1/4" Long, Cold Rolled Steel Stackhead (Kewaunee Scientific HES-0909-00)..... Note: Includes material and installation	1,096.86	
11 53 13 11-0239	EA		11-11/16" Diameter x 90-3/4" Long, Cold Rolled Steel Stackhead (Kewaunee Scientific HES-0909-00)..... Note: Includes material and installation	1,207.43	
11 53 13 11-0240	EA		6-9/16" Diameter x 10-13/16" Diameter Outlet Adapter (Kewaunee Scientific HOA-0912-00)..... Note: Includes material and installation	1,277.66	
11 53 13 11-0241	EA		8-1/16" Diameter x 11-13/16" Diameter Outlet Adapter (Kewaunee Scientific HOA-1012-00)..... Note: Includes material and installation	1,390.16	
11 53 13 11-0242	EA		9-11/16" Diameter x 13-5/16" Diameter Outlet Adapter (Kewaunee Scientific HOA-1312-00)..... Note: Includes material and installation	1,524.76	
11 53 13 11-0243	EA		10-13/16" Diameter x 14-11/16" Diameter Outlet Adapter (Kewaunee Scientific HOA-1412-00)..... Note: Includes material and installation	1,601.09	
11 53 13 11-0244	EA		11-11/16" Diameter x 16-15/16" Diameter Outlet Adapter (Kewaunee Scientific HOA-1612-00)..... Note: Includes material and installation	1,631.23	
11 53 13 11-0245	EA		11-15/16" Diameter x 9-1/16" Diameter Inlet Adapter (Kewaunee Scientific HIA-1209-00)..... Note: Includes material and installation	990.39	
11 53 13 11-0246	EA		11-15/16" Diameter x 10-1/16" Diameter Inlet Adapter (Kewaunee Scientific HIA-1210-00)..... Note: Includes material and installation	1,022.53	
11 53 13 11-0247	EA		11-15/16" Diameter x 13-5/16" Diameter Inlet Adapter (Kewaunee Scientific HIA-1213-00)..... Note: Includes material and installation	1,042.62	
11 53 13 11-0248	EA		11-15/16" Diameter x 14-9/16" Diameter Inlet Adapter (Kewaunee Scientific HIA-1214-00)..... Note: Includes material and installation	1,084.81	
11 53 13 11-0249	EA		11-15/16" Diameter x 16-3/16" Diameter Inlet Adapter (Kewaunee Scientific HIA-1216-00)..... Note: Includes material and installation	1,175.21	
11 53 13 11-0250			Biological Fume Hoods And Cabinets (11 53 13 11)		
			Note: VWR scientific or approved equal. VWR model number listed for reference. Equipment set in place and final connections. Excludes piping, ductwork and electrical rough-ins. Other accepted manufactures: NuAire, Forma and Baker or equal.		
11 53 13 11-0251			Purifier® Logic® Class II, Type A2 Biosafety Cabinets (VWR 9700) (11 53 13 11-0250)		
			Note: Includes two high efficiency particulate air (HEPA) filters, fluorescent lighting, UV lamp, 8" or 10" sash, LCD information center and service fixtures. Excludes base stand.		
11 53 13 11-0252	EA		3' Width, Purifier® Logic® Class II, Type A2 Biosafety Cabinet (VWR 9700).....	19,172.43	1,220.44
11 53 13 11-0253	EA		4' Width, Purifier® Logic® Class II, Type A2 Biosafety Cabinet (VWR 9700).....	21,321.19	1,220.44
11 53 13 11-0254	EA		5' Width, Purifier® Logic® Class II, Type A2 Biosafety Cabinet (VWR 9700).....	25,274.63	1,383.02
11 53 13 11-0255	EA		6' Width, Purifier® Logic® Class II, Type A2 Biosafety Cabinet (VWR 9700).....	26,695.87	1,383.02
11 53 13 11-0256			Base Stands For Purifier® Logic® Biosafety Cabinets (VWR) (11 53 13 11-0250)		
			Note: ADA compliant. Includes epoxy coating.		
11 53 13 11-0257	EA		3' Width, Base Stand For Purifier® Logic® Biosafety Cabinet (VWR).....	1,661.95	179.02
11 53 13 11-0258	EA		4' Width, Base Stand For Purifier® Logic® Biosafety Cabinet (VWR).....	1,828.88	227.85
11 53 13 11-0259	EA		5' Width, Base Stand For Purifier® Logic® Biosafety Cabinet (VWR).....	1,957.69	276.67
11 53 13 11-0260	EA		6' Width, Base Stand For Purifier® Logic® Biosafety Cabinet (VWR).....	2,175.59	325.50

11 53 39 Laboratory Cooling Chillers (11 53)

Equipment			11
Educational and Scientific Equipment			11 50
Laboratory Equipment			11 53
MINOR	CSI	UOM	DESCRIPTION
			TOTAL DIRECT UNIT COST
			DEMOLITION UNIT COST

11 53 39 00-0001		Recirculating Chiller ^(11 53 39)		
11 53 39 00-0002	EA	Recirculating Chiller With Pump 1 HP, 115 Volt, 60 Hertz (Thermo Scientific NESLAB Thermoflex 1400).....	9,329.00	
11 53 39 00-0003	EA	Recirculating Chiller With Pump 2 HP, 115 Volt, 60 Hertz (Thermo Scientific NESLAB Thermoflex 1400).....	10,256.24	
11 53 39 00-0004	EA	Recirculating Chiller With Pump 1 HP, 208 Volt, 60 Hertz (Thermo Scientific NESLAB Thermoflex 2500).....	11,017.51	
11 53 39 00-0005	EA	Recirculating Chiller With Pump 2 HP, 208 Volt, 60 Hertz (Thermo Scientific NESLAB Thermoflex 2500).....	11,944.76	

11 60 Entertainment and Recreation Equipment ⁽¹¹⁾

11 61 Broadcast, Theater, and Stage Equipment ^(11 60)

11 61 23 Folding and Portable Stages ^(11 61)

11 61 23 00-0001		Roll Out Stage, Steel Frame, Wood Floor ^(11 61 23)		
11 61 23 00-0002	SF	Roll Out Stage, Manual With Steel Frame And Wood Floor	124.36	6.28
11 61 23 00-0003	SF	Roll Out Stage, Electric With Steel Frame And Wood Floor	171.32	7.09

11 61 23 00-0004 Portable Stages, With Steps, Folding Legs, Stock Design ^(11 61 23)

Note: A heavy-gauge steel frame supports the solid plywood deck. Supports 200 pounds per square foot and folds to less than two inches high for storage and transport.

11 61 23 00-0005	SF	Portable Stage, 8" High Hardwood Deck With Steps And Folding Legs	41.81	2.25
11 61 23 00-0006	SF	Portable Stage, 16" High Hardwood Deck With Steps And Folding Legs	46.02	2.47
11 61 23 00-0007	SF	Portable Stage, 24" High Hardwood Deck With Steps And Folding Legs	47.68	2.69
11 61 23 00-0008	SF	Portable Stage, 32" High Hardwood Deck With Steps And Folding Legs	49.11	2.80
11 61 23 00-0009	SF	Portable Stage, 48" High Hardwood Deck With Steps And Folding Legs	52.70	2.99

11 61 23 00-0010 Telescoping Platforms, Aluminum ^(11 61 23)

11 61 23 00-0011	SF	Telescoping Platforms, Aluminum Straight, Minimum	132.24	5.39
11 61 23 00-0012	SF	Telescoping Platforms, Aluminum Straight	155.15	5.39
11 61 23 00-0013	SF	Telescoping Platforms, Aluminum Pie Shaped, Minimum	155.40	8.97
11 61 23 00-0014	SF	Telescoping Platforms, Aluminum Pie Shaped	184.04	8.97

11 61 23 00-0015 Band Risers, Steel Frame, Plywood Deck ^(11 61 23)

11 61 23 00-0016	SF	8" High Band Risers, Steel Frame Wood Deck	53.46	2.25
11 61 23 00-0017	SF	12" High Band Risers, Steel Frame Wood Deck	57.21	2.25
11 61 23 00-0018	SF	16" High Band Risers, Steel Frame Wood Deck	60.11	2.25
11 61 23 00-0019	SF	24" High Band Risers, Steel Frame Wood Deck	63.93	2.25

11 61 23 00-0020 Chairs For Risers, Self Storing ^(11 61 23)

11 61 23 00-0021	EA	Chairs For Risers, Self Storing	135.70	4.49
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11 66 Athletic Equipment ^(11 60)

11 66 13 Exercise Equipment ^(11 66)

11 66 13 00-0001 Fitness Systems ^(11 66 13)

11 66 13 00-0002 Components For Physical Fitness Activities ^(11 66 13 00-0001)

11 66 13 00-0003	EA	Sit And Reach	1,650.96	112.68
11 66 13 00-0004	EA	Isometric Squat	614.84	45.08
11 66 13 00-0005	EA	Log Jump	4,013.69	180.29
11 66 13 00-0006	EA	Step Up	893.09	90.14
11 66 13 00-0007	EA	Hip Rotation	4,414.11	157.76
11 66 13 00-0008	EA	Body Curl	1,625.69	90.14
11 66 13 00-0009	EA	Horizontal Ladder	5,340.29	180.29
11 66 13 00-0010	EA	Chin Up	4,033.49	180.29
11 66 13 00-0011	EA	Push Up	2,467.20	90.14
11 66 13 00-0012	EA	Leg Raise	3,448.36	135.22
11 66 13 00-0013	EA	Log Hop	1,565.24	45.08
11 66 13 00-0014	EA	Parallel Bar	3,314.71	135.22
11 66 13 00-0015	EA	Leg Stretch	1,388.09	90.14
11 66 13 00-0016	EA	Balance Beam	1,248.97	67.60
11 66 13 00-0017	EA	Log Roll	3,967.57	112.68

11 66 13 00-0018 Wall Mounted Equipment ^(11 66 13)

11 66 13 00-0019	SET	Parallel Bars, Wall Mounted	5,358.78	665.46
11 66 13 00-0020	EA	Exercise Ladder, Wall Mounted	4,055.60	13.86
11 66 13 00-0021	EA	3'-6" Wide Chin Up Bar, Wall Mounted	397.59	27.73
11 66 13 00-0022	EA	10" Wide Chin Up Bar, Wall Mounted	789.54	41.59

11 66 23 Gymnasium Equipment ^(11 66)

11 66 23 13 Basketball Equipment ^(11 66 23)

11 66 23 13-0001 Basketball Equipment ^(11 66 23 13)

11 Equipment**11 60 Entertainment and Recreation Equipment****11 66 Athletic Equipment**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

11 66 23 13-0002	EA	4' To 6' Extension, Wall Mounted, Stationary Basketball Backstop System With 54" x 39" Fan Shaped Cast Aluminum Basketball Backboard (Porter Athletic 312F46).....	4,396.34	998.18
		Note: Includes rim and net.		
		For Glass Backstop, Add	500.00	
		For Fiberglass Backstop, Add	200.00	
11 66 23 13-0003	EA	6' Ceiling Mounted Basketball Backstop Wood, Fixed Type, With Support Structure.....	7,175.34	998.18
		Note: Includes rim and net.		
		For Glass Backstop, Add	500.00	
		For Fiberglass Backstop, Add	200.00	
11 66 23 13-0004	EA	Ceiling Mounted Basketball Backstop Wood, Swing-up Type (Either Forward Or Backward), With Support Structure.....	8,774.22	1,330.91
		Note: Includes rim and net.		
		For Glass Backstop, Add	500.00	
		For Electrically Operated, Add	2,413.64	
		For Fiberglass Backstop, Add	200.00	
11 66 23 13-0005	EA	72" x 42" x 1/2", Center-Strut® Rectangular Glass Backboard (Porter Athletic 00208-00).....	1,991.18	277.27
		Note: For indoor use. Includes fully tempered glass.		
11 66 23 13-0006	EA	48" Recreational Backboard Pad (Porter Athletic 00324-648).....	281.41	27.73
11 66 23 13-0007	EA	54" Recreational Backboard Pad (Porter Athletic 00324-654).....	313.55	33.27
11 66 23 13-0008	EA	72" Recreational Backboard Pad (Porter Athletic 00324-672).....	340.09	38.82
11 66 23 13-0009	EA	Anti-Whip, Nylon Cord Basketball Net (Porter Athletic 09608-120).....	37.70	11.09

11 66 23 23 Volleyball Equipment (11 66 23)

11 66 23 23-0001	EA	Economy End Upright Padding, Each, Wrap Around Pads Only.....	883.81	69.51
		Note: Porter Athletic model # 717-003.		
11 66 23 23-0002	EA	Net Tension Cover Pads, 1 Pair.....	198.85	15.64
		Note: Porter Athletic model # 00816-003.		
11 66 23 23-0003	EA	32' L x 39" H Power Volleyball Net.....	651.81	51.27
		Note: Porter Athletic model # 02255-000.		
11 66 23 23-0004	EA	White Polyester Reinforced Boundary Markers, One Pair.....	114.84	4.99
		Note: Porter Athletic model # 02297-000.		
11 66 23 23-0005	EA	Power-Line Net Antenna, One Pair.....	396.33	10.54
		Note: Porter Athletic model # 02296-100.		
11 66 23 23-0006	EA	32' x 39" Power-Line Competition Volleyball Net.....	737.20	49.91
		Note: Porter Athletic model # 02295-640.		
11 66 23 23-0007	EA	Competition Center Standard Padding, Standard Red.....	723.12	22.18
		Note: Porter Athletic model # 00839-103.		
		For Colors Other Than Standard Red, Add	22.00	
		Note: Includes sky blue, royal blue, white, orange, yellow, beige, gray, maroon, purple, black, navy, kelly green, dark green.		
11 66 23 23-0008	EA	Judge's Stand, Attaches To Standard.....	1,451.88	55.45
		Note: Porter Athletic model # 00889-100.		
11 66 23 23-0009	EA	Judge's Stand Padding.....	1,032.21	27.73
		Note: Porter Athletic model # 00993-103.		
		For Colors Other Than Standard Red, Add	30.00	
		Note: Includes sky blue, royal blue, white, orange, yellow, beige, gray, maroon, purple, black, navy, kelly green, dark green.		
11 66 23 23-0010	EA	Power-Line Aluminum Uprights, One Pair.....	4,194.53	55.45
		Note: Porter Athletic model # 01991-000.		
11 66 23 23-0011	EA	2-3/8" Round Ground/Floor Sleeve.....	241.76	4.99
		Note: Porter Athletic model # 00402-000.		
11 66 23 23-0012	EA	3-1/2" Round Ground/Floor Sleeve.....	280.39	4.99
		Note: Porter Athletic model # 00403-000.		
11 66 23 23-0013	EA	4" Round Ground/Floor Sleeve.....	302.47	4.99
		Note: Porter Athletic model # 00404-000.		

11 66 23 53 Wall Padding (11 66 23)**11 66 23 53-0001 Gymnasium Wall Padding** (11 66 23 53)

Note: Includes wall padding, 7/16" thick oriented strand board backing with or without nailing strip, vinyl cover and mounting screws. Excludes removable wall attachment fittings. See CSI section 11 66 23 53-0008 for wall attachment fittings.

11 66 23 53-0002	SF	2" Thick, Non-Fire Rated, ASTM F2440-04 Impact Rating, Gymnasium Wall Padding (Porter DuraSafe).....	17.26	2.12
		Note: Includes cutting and re-upholstering wall pads to accommodate existing, e.g., lights, outlets, switches, grilles, fire alarm, etc.		
		For Furring Strip Installation (Vinyl Wrapped At Ends), Add	6.30	
11 66 23 53-0003	SF	3" Thick, Non-Fire Rated, ASTM F2440-04 Impact Rating, Gymnasium Wall Padding (Porter DuraSafe).....	23.14	2.33
		Note: Includes cutting and re-upholstering wall pads to accommodate existing, e.g., lights, outlets, switches, grilles, fire alarm, etc.		
		For Furring Strip Installation (Vinyl Wrapped At Ends), Add	6.30	
11 66 23 53-0004	SF	2" Thick, NFPA 286 Fire Rated, Gymnasium Wall Padding (Porter FireSafe).....	26.79	2.12
		For Furring Strip Installation (Vinyl Wrapped At Ends), Add	6.30	
11 66 23 53-0005	SF	3" Thick, NFPA 286 Fire Rated, Gymnasium Wall Padding (Porter FireSafe).....	41.95	2.33
		For Furring Strip Installation (Vinyl Wrapped At Ends), Add	6.30	
11 66 23 53-0006	SF	2" Thick, NFPA 286 Fire Rated, ASTM F2440-04 Impact Rating, Gymnasium Wall Padding (Porter SuperSafe).....	34.23	2.12
		For Furring Strip Installation (Vinyl Wrapped At Ends), Add	6.30	
11 66 23 53-0007	SF	3" Thick, NFPA 286 Fire Rated, ASTM F2440-04 Impact Rating, Gymnasium Wall Padding (Porter SuperSafe).....	50.85	2.33
		For Furring Strip Installation (Vinyl Wrapped At Ends), Add	6.30	

11 66 23 53-0008 Gymnasium Wall Padding Accessories (11 66 23 53)

11 66 23 53-0009	LF	"Z" Wall/Panel Attachment Clips For Wall Pads.....	10.98	3.08
		Note: Extruded aluminum. Typically requires two clips mounted to wall and two clips mounted to panel for a 6" high wall pad.		
11 66 23 53-0010	LF	Molding Channel Wall Attachment For Wall Pads.....	16.61	3.08
		Note: Extruded aluminum. Accepts 1" lip of wall pad at bottom of pad. Can be used with "Z" clip to secure top of pad.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 66 23 53-0011	LF		Floor Molding Channel Wall Attachment For Wall Pads Note: Extruded aluminum. Accepts 1" lip of wall pad at bottom of pad. Provides contoured molding strip from panel to the floor.	17.32	3.08
11 66 23 53-0012	EA		Single Or Double Gang Molded Inserts For Electrical Outlets For Wall Pads.....	56.37	
11 66 43 Interior Scoreboards (11 66)					
11 66 43 00-0001 Scoreboards And Shot Clocks (11 66 43)					
11 66 43 00-0002	EA		8' x 3' x 8", Multi-Sport LED Scoreboard With Wired Controls (Nevco Model 2700)..... Note: For basketball, volleyball or wrestling. Includes horn and controls. Excludes wire to controls. For Scoreboard Only, No Controls, Deduct For Control Carrying Case, Add For Wireless Controls, Add	5,516.81 -321.00 59.00 950.80	352.71
11 66 43 00-0003	EA		8' x 6' x 8", Multi-Sport LED Scoreboard With Wired Controls (Nevco Model 2750)..... Note: For basketball, volleyball or wrestling. Includes horn and controls. Excludes wire to controls. For Scoreboard Only, No Controls, Deduct For Control Carrying Case, Add For Wireless Controls, Add	8,048.94 -321.00 59.00 950.80	587.85
11 66 43 00-0004	EA		12' x 8' x 8", Multi-Sport LED Scoreboard With Wired Controls (Nevco Model 2760)..... Note: For basketball, volleyball or wrestling. Includes horn and controls. Excludes wire to controls. For Scoreboard Only, No Controls, Deduct For Control Carrying Case, Add For Wireless Controls, Add	12,636.68 -321.00 59.00 950.80	705.43
11 66 43 00-0005	EA		9' Long x 5' High x 4" Deep Indoor Multi-Sport Scoreboard (Fair-Play BB-1620-4).....	9,494.02	587.85
11 66 43 00-0006	EA		1.66' Long x 1.41' High x 6.5" Deep Shot Clock Set (Fair-Play ST-1410-4)..... Note: Set includes two shot clocks.	3,949.84	235.14
11 66 53 Gymnasium Dividers (11 66)					
11 66 53 11 Gymnasium Dividers (11 66 53)					
11 66 53 11-0001 Gymnasium Dividers (11 66 53 11)					
11 66 53 11-0002	SF		Gym Divider, Manual Mesh Top And Vinyl Bottom.....	8.03	1.29
11 66 53 11-0003	SF		Gym Divider, Electric Roll Up Mesh Top And Vinyl Bottom	14.00	1.29
11 68 Play Field Equipment and Structures (11 60)					
11 68 13 Playground Equipment (11 68)					
See CSI section 32 31 13 13-0001 for augering holes and fill for posts.					
11 68 13 00-0001 Standalone Playground Equipment (11 68 13)					
11 68 13 00-0002 Ground Socket For Movable Posts (11 68 13 00-0001)					
11 68 13 00-0003	PR		Ground Socket For 2-3/8" Post For Playground Equipment	310.93	60.86
11 68 13 00-0004	PR		Ground Socket For 3-1/2" Post For Playground Equipment	492.76	60.86
11 68 13 00-0005 See-Saws (11 68 13 00-0001)					
11 68 13 00-0006 Steel See-Saw (11 68 13 00-0005)					
11 68 13 00-0007	EA		2 Unit Steel See-Saw.....	2,684.64	374.56
11 68 13 00-0008	EA		4 Unit Steel See-Saw.....	4,425.81	442.62
11 68 13 00-0009	EA		6 Unit Steel See-Saw.....	6,170.92	541.00
11 68 13 00-0010 14' Long Laminated Beam (11 68 13 00-0005)					
11 68 13 00-0011	EA		Beam Is Supported By Two 12 In x 12 In Stepping Column Posts	2,928.56	331.19
11 68 13 00-0012	EA		Beam Is Supported By Two 8 In x 8 In Posts.....	2,006.85	295.02
11 68 13 00-0013 Slides (11 68 13 00-0001)					
11 68 13 00-0014	EA		8' Long x 4' High Slide With Stainless Steel Bed	3,182.10	428.29
11 68 13 00-0015	EA		12' Long x 6' High Slide With Stainless Steel Bed	4,448.56	608.63
11 68 13 00-0016	EA		16' Long x 8' High Slide With Stainless Steel Bed	4,926.12	676.25
11 68 13 00-0017	EA		20' Long x 10' High Slide With Stainless Steel Bed	6,223.78	749.10
11 68 13 00-0018	EA		6' High, 360 Degree One Piece Molded Polyethylene Slide	20,774.27	1,178.38
11 68 13 00-0019	EA		7' High, 360 Degree Slide, Stainless Steel Bed	19,967.00	1,215.63
11 68 13 00-0020	EA		9' High, 360 Degree Slide, Stainless Steel Bed	25,202.35	1,277.66
11 68 13 00-0021 Whirlers (11 68 13 00-0001)					
11 68 13 00-0022	EA		8' Diameter Whirler	7,319.26	811.50
11 68 13 00-0023	EA		10' Diameter Whirler.....	8,485.09	973.80
11 68 13 00-0024 Other Standalone Playground Equipment (11 68 13 00-0001)					
11 68 13 00-0025 Miscellaneous Standalone Playground Equipment (11 68 13 00-0024)					
11 68 13 00-0026	EA		Horizontal Ladder	2,367.09	216.80
11 68 13 00-0027	EA		Tether Ball Post	396.88	42.38
11 68 13 00-0028	PR		10'-6" Long Multiple Purpose Post.....	600.94	74.93
11 68 13 00-0029	EA		3-Person Fiberglass Golf Tee Shelter Turntable.....	9,732.15	211.71
11 68 13 00-0030	EA		Horizontal Turning Bars, 1 Bar.....	742.16	113.13
11 68 13 00-0031	EA		Horizontal Turning Bars, 2 Bars.....	1,009.61	135.22

11 Equipment**11 60 Entertainment and Recreation Equipment****11 68 Play Field Equipment and Structures**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

11 68 13 00-0032	EA	Horizontal Turning Bars, 3 Bars	1,362.03	180.29
11 68 13 00-0033	EA	Horizontal Turning Bars, 5 Bars	1,997.95	247.90
11 68 13 00-0034	EA	Top Goal Opening With 4 Exit Holes (One Each Side) And 8' Pole	2,154.73	103.22
11 68 13 00-0035	EA	Top Goal Opening With 4 Exit Holes (One Each Side) And 10' Pole	2,373.19	111.42
11 68 13 00-0036	EA	Coil Spring With Single Riding Aluminum Saddle Devices	2,317.95	119.45
11 68 13 00-0037	EA	"C" Spring With Single Riding Aluminum Saddle Devices	2,274.80	102.76
11 68 13 00-0038	EA	Rubber Spring With Single Riding Aluminum Saddle Devices	2,798.74	134.58
11 68 13 00-0039	EA	Coil Spring Assembly Only	582.18	49.49
11 68 13 00-0040	EA	"C" Spring Assembly Only	386.80	32.99
11 68 13 00-0041	EA	Rubber Spring Assembly Only	257.22	64.36
11 68 13 00-0042	EA	Footbuck Assembly Only	100.50	8.65
11 68 13 00-0043	EA	Two Seat, Two Spring Action Cars (4'-8" x 2'-8")	2,639.48	123.77

11 68 13 00-0044 Freestanding Panels (11 68 13 00-0024)

Note: Rotomolded polyethylene.

11 68 13 00-0045	EA	Tic-Tac-Toe Panel	1,123.80	53.00
11 68 13 00-0046	EA	24" Bubble Panel	1,683.51	79.42
11 68 13 00-0047	EA	Fire Engine Panel	2,470.61	116.56
11 68 13 00-0048	EA	Flat Mirror Panel	1,976.49	93.30
11 68 13 00-0049	EA	Wavy Mirror Panel	2,925.37	138.11
11 68 13 00-0050	EA	Paint Time Panel	1,897.77	89.61
11 68 13 00-0051	EA	Phone Time Panel	1,346.81	63.55
11 68 13 00-0052	EA	Phone Time With Graphic Panel	1,346.81	63.55
11 68 13 00-0053	EA	Race Time Panel	2,361.29	111.42
11 68 13 00-0054	EA	Rescue 911 Panel	2,396.93	111.42
11 68 13 00-0055	EA	Eastern/Central/Western States Panel	1,289.96	60.85
11 68 13 00-0056	EA	Career People Panel	1,464.86	69.14
11 68 13 00-0057	EA	Solar System Panel	1,464.86	69.14
11 68 13 00-0058	EA	Animals Panel	1,464.86	69.14

11 68 13 00-0059 Freestanding Panels Uprights (11 68 13 00-0024)

11 68 13 00-0060	EA	3-1/2" Outside Diameter End Panel Upright	344.54	29.75
11 68 13 00-0061	EA	3-1/2" Outside Diameter 90 Degree Upright	373.26	32.18
11 68 13 00-0062	EA	3-1/2" Outside Diameter 180 Degree Upright	373.26	32.18
11 68 13 00-0063	EA	3-1/2" Outside Diameter "T-Shaped" Upright	397.19	34.25

11 68 13 00-0064 Coasters (11 68 13 00-0024)

11 68 13 00-0065	EA	12' Single Metal Coaster With Four Posts	8,708.90	360.58
11 68 13 00-0066	EA	18' Single Metal Coaster With Four Posts	9,723.73	450.72
11 68 13 00-0067	EA	12' Double Metal Coaster With Four Posts	14,100.68	540.87
11 68 13 00-0068	EA	18' Double Metal Coaster With Four Posts	16,016.64	676.09

11 68 13 00-0069 Climbers (11 68 13 00-0024)

11 68 13 00-0070	EA	Tower Climber, 3.17" Diameter x 7.25' High	1,541.83	240.87
11 68 13 00-0071	EA	Arch Climber, 2' x 12' x 4.5' High	1,398.08	294.95
11 68 13 00-0072	EA	Arch Climber, 2' x 15' x 5.83' High	1,525.14	240.87
11 68 13 00-0073	EA	Arch Climber, 2' x 17' x 6.58' High	1,645.48	294.95
11 68 13 00-0074	EA	Rainbow Climber, 2' x 10'-5" x 4' High	1,768.35	240.60
11 68 13 00-0075	EA	Rainbow Climber, 2' x 10'-5" x 5' High	1,991.10	240.69
11 68 13 00-0076	EA	Rainbow Climber, 2' x 12'-5" x 6' High	2,332.42	240.69
11 68 13 00-0077	EA	Rainbow Climber, 2' x 15'-4" x 7' High	2,555.54	240.60
11 68 13 00-0078	EA	Double Level Arch Climber, 6' Wide x 12'-6" x 6' High Upper Section / 5' High Lower Section	3,086.11	281.70
11 68 13 00-0079	EA	12' Long Horizontal Ladder Climber	2,519.04	210.36
11 68 13 00-0080	EA	14' Long Horizontal Ladder Climber	2,556.59	210.36
11 68 13 00-0081	EA	16' Long Horizontal Ladder Climber	2,805.17	210.36
11 68 13 00-0082	EA	Bell Climber, 7'-5" High With Double Bars	2,615.27	270.44
11 68 13 00-0083	EA	2-Way Climber	2,190.03	216.80
11 68 13 00-0084	EA	4-Way Climber	3,539.45	216.80

11 68 13 00-0085 Swings (11 68 13 00-0001)**11 68 13 00-0086 Two-Leg-End Swings, 2-3/8" Diameter Galvanized Steel Top Rail** (11 68 13 00-0085)

Note: Legs, 1-7/8" diameter, traditional.

11 68 13 00-0087	EA	8' High Top Rail, One Section Two Seats	2,025.68	331.19
For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add			237.43	
For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add			275.60	
11 68 13 00-0088	EA	8' High Top Rail, Two Sections Four Seats	3,244.30	473.91
For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add			381.87	
For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add			449.40	
11 68 13 00-0089	EA	8' High Top Rail, Three Sections, Six Seats	4,485.59	697.35
For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add			527.48	
For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add			618.88	
11 68 13 00-0090	EA	8' High Top Rail, Four Sections, Eight Seats	5,629.16	811.50
For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add			663.06	
For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add			782.18	
11 68 13 00-0091	EA	10' High Top Rail, One Section Two Seats	2,169.48	331.19
For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add			255.41	
For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add			300.76	
11 68 13 00-0092	EA	10' High Top Rail, Two Section Four Seats	3,381.31	504.76
For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add			396.74	
For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add			462.09	

				Equipment	11	
				Entertainment and Recreation Equipment	11 60	≡
				Play Field Equipment and Structures	11 68	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
11 68 13 00-0093	EA		10' High Top Rail, Three Sections, Six Seats For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	4,657.13 544.80 628.31	783.82	
11 68 13 00-0094	EA		10' High Top Rail, Four Sections, Eight Seats For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	6,186.18 725.92 845.80	946.75	
11 68 13 00-0095			Three-Leg-End Swings, 2-3/8" Diameter Galvanized Steel Top Rail (11 68 13 00-0095) Note: Legs, 1-7/8" diameter, traditional.			
11 68 13 00-0096	EA		8' High Top Rail, One Section, Two Seats For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	2,347.27 278.78 337.64	292.50	
11 68 13 00-0097	EA		8' High Top Rail, Two Sections, Four Seats For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	3,406.97 404.65 490.12	424.42	
11 68 13 00-0098	EA		8' High Top Rail, Three Sections, Six Seats For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	4,544.77 539.72 653.43	567.60	
11 68 13 00-0099	EA		8' High Top Rail, Four Sections, Eight Seats For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	5,692.30 677.72 827.07	676.25	
11 68 13 00-0100	EA		10' High Top Rail, One Section, Two Seats For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	2,647.18 314.42 380.85	329.65	
11 68 13 00-0101	EA		10' High Top Rail, One Section Three Seats For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	2,769.53 329.54 401.41	349.58	
11 68 13 00-0102	EA		10' High Top Rail, Two Sections, Four Seats For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	3,695.04 438.80 531.25	461.47	
11 68 13 00-0103	EA		10' High Top Rail, Two Sections, Six Seats For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	4,464.96 532.78 654.65	531.98	
11 68 13 00-0104	EA		10' High Top Rail, Three Section, Six Seats For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	4,918.68 584.14 707.28	613.95	
11 68 13 00-0105	EA		10' High Top Rail, Three Sections, Nine Seats For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	6,161.58 736.38 909.19	676.52	
11 68 13 00-0106	EA		10' High Top Rail, Four Section, Eight Seats For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	6,225.26 737.57 886.50	811.50	
11 68 13 00-0107	EA		12' High Top Rail, One Section Three Seats For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	2,899.56 345.39 422.13	358.05	
11 68 13 00-0108	EA		12' High Top Rail, Two Sections, Six Seats For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	4,719.41 562.48 688.69	576.08	
11 68 13 00-0109	EA		12' High Top Rail, Three Sections, Nine Seats For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	6,832.89 809.03 970.34	922.67	
11 68 13 00-0110			Swing Accessories (11 68 13 00-0085)			
11 68 13 00-0111	EA		Enclosed Tot Seat With Chain And Hardware 11 68 13 00-0112 EA Bucket Seat With Chain And Hardware 11 68 13 00-0113 EA Belt Seat With Chain And Hardware 11 68 13 00-0114 EA Seat With Chain And Hardware 11 68 13 00-0115 EA Wide Seat With Chain And Hardware 11 68 13 00-0116 EA Handi Seat With Chain And Hardware 11 68 13 00-0117 LF 0.4 Lb./LF Replacement Chain 11 68 13 00-0118 LF 1 Lb./LF Replacement Chain 11 68 13 00-0119 EA Swing Hanger Replacement	711.77 591.72 630.31 621.74 656.29 1,959.54 8.07 15.00 87.70	27.17 22.59 24.12 23.76 25.10 74.87 0.54 1.07 6.18	
11 68 13 00-0120			Tetherball (11 68 13 00-0001)			
11 68 13 00-0121	EA		Tetherball Standard And Ball 11 68 13 00-0122 Playground Equipment (Landscape Structures®) (11 68 13) Note: Excludes excavation and concrete footings. 11 68 13 00-0123 Playground Equipment (Landscape Structures® PlayShaper®) (11 68 13 00-0122) Note: Ages 2 to 5 years.	587.81	46.94	
11 68 13 00-0124	EA		El Slide, 32" Deck (Landscape Structures® PlayShaper® 111323A) 11 68 13 00-0125 EA SpyroSlide, 56" Height, 48" Deck (Landscape Structures® PlayShaper® 143480A) 11 68 13 00-0126 EA Tunnel Slide, 40" Deck (Landscape Structures® PlayShaper® 128952A) 11 68 13 00-0127 EA Double Wave Poly Slide, 48" Deck (Landscape Structures® PlayShaper® 123336A) 11 68 13 00-0128 EA Double Swirl Slide, 48" Deck (Landscape Structures® PlayShaper® 130798A) 11 68 13 00-0129 EA Double Poly Slide, 32" Deck (Landscape Structures® PlayShaper® 132155A) 11 68 13 00-0130 EA Double Poly Slide, 40" To 48" Deck (Landscape Structures® PlayShaper® 132155B) 11 68 13 00-0131 EA Lava Run Slide, 30" Or 32" Deck (Landscape Structures® PlayShaper® 137967A) 11 68 13 00-0132 EA 32" Deck, Gemini SlideWinder2 (Landscape Structures® PlayShaper® 133426A) 11 68 13 00-0133 EA 40" Deck, Gemini SlideWinder2 (Landscape Structures® PlayShaper® 133426B) 11 68 13 00-0134 EA 48" Deck, Gemini SlideWinder2 (Landscape Structures® PlayShaper® 133426C) 11 68 13 00-0135 EA Curved Poly Slide, 40" Deck (Landscape Structures® PlayShaper® 123339A)	3,028.58 7,639.83 3,158.44 3,601.37 3,054.08 2,425.64 2,694.64 2,063.88 5,857.70 6,766.75 7,295.48 2,084.76	119.64 448.66 119.64 179.47 179.47 119.64 119.64 119.64 358.92 358.92 59.82	

11 Equipment**11 60 Entertainment and Recreation Equipment****11 68 Play Field Equipment and Structures**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
11 68 13 00-0136	EA	Single Poly Slide, 40" Deck (Landscape Structures® PlayShaper® 133668A)	2,110.26		119.64
11 68 13 00-0137	EA	32" Deck, SlideWinder2 (Landscape Structures® PlayShaper® 132117A).....	2,794.35		179.47
11 68 13 00-0138	EA	40" Deck, SlideWinder2 (Landscape Structures® PlayShaper® 132117B).....	3,119.01		179.47
11 68 13 00-0139	EA	48" Deck, SlideWinder2 (Landscape Structures® PlayShaper® 132117C).....	3,480.78		179.47
11 68 13 00-0140	EA	Critter Canyon Climber, 30" Or 32" Deck (Landscape Structures® PlayShaper® 137966A).....	2,008.22		119.64
11 68 13 00-0141	EA	Thunderhead Climber, 48" Deck-To-Ground (Landscape Structures® PlayShaper® 139911A).....	8,394.65		478.57
11 68 13 00-0142	EA	Step Deck Climber, 16" Deck (Landscape Structures® PlayShaper® 119981A).....	1,164.10		119.64
11 68 13 00-0143	EA	Loop Ladder Climber, 40" Or 48" Deck (Landscape Structures® PlayShaper® 111364A)	1,240.65		59.82
11 68 13 00-0144	EA	Loop Arch Climber, 32" - 48" Deck (Landscape Structures® PlayShaper® 139262A)	1,861.72		149.55
11 68 13 00-0145	EA	32" Deck, Block Climber (Landscape Structures® PlayShaper® 135547A).....	2,890.58		209.37
11 68 13 00-0146	EA	40" Deck, Block Climber (Landscape Structures® PlayShaper® 135547B).....	3,382.21		209.37
11 68 13 00-0147	EA	32" - 40" Deck, Cozy Climber (Landscape Structures® PlayShaper® 132023A)	3,167.72		119.64
11 68 13 00-0148	EA	48" Deck, Cozy Climber (Landscape Structures® PlayShaper® 132023B).....	3,408.90		119.64
11 68 13 00-0149	EA	1-Step, With Permalene Barriers, Deck Links (Landscape Structures® PlayShaper® 153021A)	1,544.42		119.64
11 68 13 00-0150	EA	2-Steps, With Permalene Barriers, Deck Links (Landscape Structures® PlayShaper® 153021B).....	1,804.15		119.64
11 68 13 00-0151	EA	16" Deck, Pod Climber (Landscape Structures® PlayShaper® 135346A)	807.58		49.85
11 68 13 00-0152	EA	24" Deck, Pod Climber (Landscape Structures® PlayShaper® 135346B)	1,494.57		89.73
11 68 13 00-0153	EA	32" Deck, Pod Climber (Landscape Structures® PlayShaper® 135346C)	2,247.64		229.32
11 68 13 00-0154	EA	40" Deck, Pod Climber (Landscape Structures® PlayShaper® 135346D)	2,655.79		229.32
11 68 13 00-0155	EA	32" Deck, Step Ladder (Landscape Structures® PlayShaper® 111327A).....	2,388.54		119.64
11 68 13 00-0156	EA	40" Deck, Step Ladder (Landscape Structures® PlayShaper® 111327B).....	5,140.75		119.64
11 68 13 00-0157	EA	48" Deck, Step Ladder (Landscape Structures® PlayShaper® 111327C).....	3,548.04		119.64
11 68 13 00-0158	EA	32" Deck, Wiggle Ladder (Landscape Structures® PlayShaper® 123284A).....	1,098.82		149.55
11 68 13 00-0159	EA	40" Deck, Wiggle Ladder (Landscape Structures® PlayShaper® 123284B).....	1,130.47		149.55
11 68 13 00-0160	EA	48" Deck, Wiggle Ladder (Landscape Structures® PlayShaper® 123284C).....	1,185.51		149.55
11 68 13 00-0161	EA	Overhead Events Horizontal Ladder, 16" Deck (Landscape Structures® PlayShaper® 129967A)	1,209.35		29.91
11 68 13 00-0162	EA	Overhead Events Horizontal Ladder End Panel, Without Posts (Landscape Structures® PlayShaper® 129968A)	439.44		29.91
11 68 13 00-0163	EA	Conical Climber, 40" Deck (Landscape Structures® PlayShaper® 143200A).....	4,302.09		209.37
11 68 13 00-0164	EA	ABC Climber, 32" - 48" Deck (Landscape Structures® PlayShaper® 152432A).....	2,243.16		149.55
11 68 13 00-0165	EA	Mini Summit Climber, 40" And 48" Decks (Landscape Structures® PlayShaper® 153077A).....	1,375.28		49.85
11 68 13 00-0166	EA	Arch Bridge, 42" Long (Landscape Structures® PlayShaper® 111348A).....	2,715.53		59.82
11 68 13 00-0167	EA	Phase Kit (Landscape Structures® PlayShaper® 116098A)	373.85		37.69
11 68 13 00-0168	EA	Belt Bridge With Permalene Barriers, 42" Long (Landscape Structures® PlayShaper® 131956A).....	2,103.32		59.82
11 68 13 00-0169	EA	8" Deck-To-Ground, Ramp Exit Plate (Landscape Structures® PlayShaper® 111413A).....	826.70		89.73
11 68 13 00-0170	EA	16" - 48" Decks To Ground, Ramp Exit Plate (Landscape Structures® PlayShaper® 138405A).....	1,598.83		89.73
11 68 13 00-0171	EA	Deck-To-Deck Ramp With Permalene Barrier And Handrail, Excludes Posts (Landscape Structures® PlayShaper® 132828A).....	5,815.99		239.29
11 68 13 00-0172	EA	Deck-To-Ground Ramp With Permalene Barrier And Handrail, Excludes Posts (Landscape Structures® PlayShaper® 132844A).....	5,815.99		239.29
11 68 13 00-0173	EA	Wire Crawl Tunnel (Landscape Structures® PlayShaper® 118099A)	2,648.26		119.64
11 68 13 00-0174	EA	Offset Crawl Tunnel, 8" Deck Height Difference (Landscape Structures® PlayShaper® 139268A).....	1,980.39		119.64
11 68 13 00-0175	EA	28" Long, Crawl Tunnels With Entrance Panels (Landscape Structures® PlayShaper® 128953A).....	2,038.38		59.82
11 68 13 00-0176	EA	56" Long, Crawl Tunnels With Entrance Panels (Landscape Structures® PlayShaper® 128953B).....	2,641.32		59.82
11 68 13 00-0177	EA	90 Degree Curved Crawl Tunnels With Entrance Panels (Landscape Structures® PlayShaper® 115409C).....	2,907.99		119.64
11 68 13 00-0178	EA	C-Straight Crawl Tunnels With Entrance Panels (Landscape Structures® PlayShaper® 118097A).....	4,786.36		239.29
11 68 13 00-0179	EA	S-Straight Crawl Tunnels With Entrance Panels (Landscape Structures® PlayShaper® 118097B).....	4,786.36		239.29
11 68 13 00-0180	EA	C-Inclined Crawl Tunnels With Entrance Panels, 16" Deck Height Difference (Landscape Structures® PlayShaper® 118098A).....	4,786.36		239.29
11 68 13 00-0181	EA	S-Inclined Crawl Tunnels With Entrance Panels, 16" Deck Height Difference (Landscape Structures® PlayShaper® 118098B).....	4,786.36		239.29
11 68 13 00-0182	EA	Bubble Panel, Enclosure (Landscape Structures® PlayShaper® 111282A)	921.79		29.91
11 68 13 00-0183	EA	Ball Maze Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111300A)	1,416.33		19.94
11 68 13 00-0184	EA	Chimes Panel, Enclosure (Landscape Structures® PlayShaper® 113211A)	1,638.95		19.94
11 68 13 00-0185	EA	Braille And Clock Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 123845A).....	1,787.37		19.94
11 68 13 00-0186	EA	Driver Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111288A).....	968.17		29.91
11 68 13 00-0187	EA	Finger Maze Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111289A)	767.01		19.94
11 68 13 00-0188	EA	Gear Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 117147A).....	2,241.89		19.94
11 68 13 00-0189	EA	Hole Panel, Enclosure (Landscape Structures® PlayShaper® 111284A)	609.32		19.94
11 68 13 00-0190	EA	House Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111299A).....	717.72		29.91
11 68 13 00-0191	EA	Hourglass Panel, Enclosure (Landscape Structures® PlayShaper® 124333A)	1,907.96		19.94
11 68 13 00-0192	EA	Match 4 Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 127684A)	1,190.80		29.91
11 68 13 00-0193	EA	Image Panel, 176 Play Blocks, Enclosure (Landscape Structures® PlayShaper® 127685A)	1,648.79		59.82
11 68 13 00-0194	EA	Math Panel, Enclosure, Red Discs Only (Landscape Structures® PlayShaper® 111294A).....	1,772.29		49.85
11 68 13 00-0195	EA	Sand And Water Panel, Enclosure (Ground Level Only), Tan Dish Only (Landscape Structures® PlayShaper® 111297A).....	1,698.64		89.73
11 68 13 00-0196	EA	Mirror Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111298A).....	1,240.09		19.94
11 68 13 00-0197	EA	Periscope Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 118429A).....	1,849.39		29.91
11 68 13 00-0198	EA	Pilot Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 119515A)	1,265.01		29.91
11 68 13 00-0199	EA	Slant Window Panel, Enclosure (Landscape Structures® PlayShaper® 111281A).....	1,611.69		59.82
11 68 13 00-0200	EA	Storefront Panel, Enclosure (Ground Level Only) (Landscape Structures® PlayShaper® 144984A).....	550.75		29.91
11 68 13 00-0201	EA	Spelling Panel, Enclosure, Red Discs Only (Landscape Structures® PlayShaper® 111295A).....	1,707.36		49.85
11 68 13 00-0202	EA	Slant Entrance Panel, Enclosure (Ground Level Only) (Landscape Structures® PlayShaper® 111387A).....	1,302.68		79.77
11 68 13 00-0203	EA	Space Travel Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 123484A).....	1,592.57		19.94
11 68 13 00-0204	EA	Puppet Panel, Enclosure (Landscape Structures® PlayShaper® 111285A)	609.32		19.94
11 68 13 00-0205	EA	Puppet Panel With Window, Enclosure (Landscape Structures® PlayShaper® 111286A)	838.31		29.91
11 68 13 00-0206	EA	Zoo Panel, Enclosure (Landscape Structures® PlayShaper® 111287A)	609.32		19.94
11 68 13 00-0207	EA	Tracing Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111290A).....	785.56		19.94
11 68 13 00-0208	EA	Table Panel, Enclosure (Ground Level Only) (Landscape Structures® PlayShaper® 111292A).....	1,476.02		89.73
11 68 13 00-0209	EA	Tic-Tac-Toe Panel, Enclosure (Landscape Structures® PlayShaper® 111293A)	1,617.49		29.91
11 68 13 00-0210	EA	Bead And Block Panel Without Handles, Enclosure (Landscape Structures® PlayShaper® 111370A).....	1,227.90		29.91
11 68 13 00-0211	EA	2 Benches, 2 End Panels (Ground Level Only) (Landscape Structures® PlayShaper® 116120A).....	1,178.62		49.85
11 68 13 00-0212	EA	1 Bench, 2 End Panels (Ground Level Only) (Landscape Structures® PlayShaper® 138185A).....	677.72		49.85
11 68 13 00-0213	EA	1 Bench, 1 End Panel (Ground Level Only) (Landscape Structures® PlayShaper® 138299A).....	597.13		29.91
11 68 13 00-0214	EA	Balcony Deck, Brown Tenderdeck Only (Landscape Structures® PlayShaper® 139260A).....	1,652.26		89.73
11 68 13 00-0215	EA	Balcony Deck With Wheel, Brown Tenderdeck Only (Landscape Structures® PlayShaper® 139260B).....	1,921.27		89.73
11 68 13 00-0216	EA	Trail Tracker Reach Panel (2-Color Permalene) (Landscape Structures® PlayShaper® 139264A).....	553.66		19.94

			Equipment	11	
			Entertainment and Recreation Equipment	11 60	↔
			Play Field Equipment and Structures	11 68	

MINOR			TOTAL DIRECT		DEMOLITION
CSI UOM DESCRIPTION			UNIT COST		UNIT COST
11 68 13 00-0217	EA	Navigator Reach Panel (2-Color Permalene) (Landscape Structures® PlayShaper® 139266A)	776.29		19.94
11 68 13 00-0218	EA	Curb, Accessible Reach Panel (Landscape Structures® PlayShaper® 128623A)	158.50		19.94
11 68 13 00-0219	EA	Long Wire Barrier (For 90 Degree Tri-Deck) (Landscape Structures® PlayShaper® 117945A)	893.97		29.91
11 68 13 00-0220	EA	Long Wire Barrier With Wheel (For 90 Degree Tri-Deck) (Landscape Structures® PlayShaper® 117945B)	1,187.90		49.85
11 68 13 00-0221	EA	Short Wire Barrier (Square, Corner And Extension Decks) (Landscape Structures® PlayShaper® 117946A)	677.72		49.85
11 68 13 00-0222	EA	Short Wire Barrier With Wheel (Square, Corner And Extension Decks) (Landscape Structures® PlayShaper® 117946B)	946.72		49.85
11 68 13 00-0223	EA	Chinning Bar Without Post (Landscape Structures® PlayShaper® 139272A)	154.79		19.94
11 68 13 00-0224	EA	Steering Wheel (Landscape Structures® PlayShaper® 111306A)	293.93		19.94
11 68 13 00-0225	EA	Steering Wheel With Infill Panel (Landscape Structures® PlayShaper® 111306B)	395.97		19.94
11 68 13 00-0226	EA	Handloop (Landscape Structures® PlayShaper® 119977A)	229.00		19.94
11 68 13 00-0227	EA	Ground Level, Talk Tubes, Attaches Next To 40" To 48" Deck Only, One Only (Landscape Structures® PlayShaper® 115198A)	624.96		29.91
11 68 13 00-0228	EA	16" Deck, Talk Tubes, One Only (Landscape Structures® PlayShaper® 115198B)	643.51		29.91
11 68 13 00-0229	EA	24" Deck, Talk Tubes, One Only (Landscape Structures® PlayShaper® 115198C)	652.79		29.91
11 68 13 00-0230	EA	32" Deck, Talk Tubes, One Only (Landscape Structures® PlayShaper® 115198D)	671.34		29.91
11 68 13 00-0231	EA	40" Deck, Talk Tubes, One Only (Landscape Structures® PlayShaper® 115198E)	680.62		29.91
11 68 13 00-0232	EA	48" Deck, Talk Tubes, One Only (Landscape Structures® PlayShaper® 115198F)	699.17		29.91
11 68 13 00-0233	EA	Talk Tube Tubing Kit (Landscape Structures® PlayShaper® 111362A)	558.84		179.47
Note: Order one talk tube tubing kit with two talk tubes (any height listed).					
11 68 13 00-0234	EA	Arch Roof (Landscape Structures® PlayShaper® 111407A)	943.82		59.82
11 68 13 00-0235	EA	Square Poly Roof With Logo Panels (Landscape Structures® PlayShaper® 118110A)	1,767.04		119.64
11 68 13 00-0236	EA	Square Peak Tile Roof With Logo Panels (Landscape Structures® PlayShaper® 129816A)	1,961.84		119.64
11 68 13 00-0237	EA	Super-Square Shingle Roof With Permalene Roof Cap (Landscape Structures® PlayShaper® 130102A)	4,095.32		119.64
11 68 13 00-0238	EA	Super-Square Shingle Roof With Poly Roof Cap (Landscape Structures® PlayShaper® 130102B)	4,763.19		119.64
11 68 13 00-0239	EA	Square Tenderdeck, Brown Only (Landscape Structures® PlayShaper® 111237A)	1,030.21		49.85
11 68 13 00-0240	EA	Square Tenderdeck, Corner, Brown Only (Landscape Structures® PlayShaper® 111238A)	983.83		49.85
11 68 13 00-0241	EA	Square Tenderdeck, Extension, Brown Only (Landscape Structures® PlayShaper® 111239A)	1,002.38		49.85
11 68 13 00-0242	EA	90 Degree Triangular Tenderdeck, Brown Only (Landscape Structures® PlayShaper® 117495A)	810.48		29.91
11 68 13 00-0243	EA	Transfer Stations With Two Handbars (Landscape Structures® PlayShaper® 126205A)	1,597.75		179.47
11 68 13 00-0244	EA	Transfer Stations With One Handbar (Landscape Structures® PlayShaper® 126205B)	1,458.61		179.47
11 68 13 00-0245	EA	Transfer Stations No Handbars (Landscape Structures® PlayShaper® 126205C)	1,338.02		179.47
11 68 13 00-0246	EA	Curb For 90 Degree Tri-Deck (Landscape Structures® PlayShaper® 139083A)	191.90		19.94
11 68 13 00-0247	EA	8" Rise, Kick Plates, Brown Only (Landscape Structures® PlayShaper® 121948A)	169.64		19.94
11 68 13 00-0248	EA	16" Rise, Kick Plates, Brown Only (Landscape Structures® PlayShaper® 121948B)	247.55		19.94
11 68 13 00-0249	EA	8" Rise, 90 Degree Tri-Deck, Kick Plates, Brown Only (Landscape Structures® PlayShaper® 121949A)	206.74		19.94
11 68 13 00-0250	EA	16" Rise, 90 Degree Tri-Deck, Kick Plates, Brown Only (Landscape Structures® PlayShaper® 121949B)	303.21		19.94
11 68 13 00-0251	EA	To 32" Deck, Curved Transfer Module, Right Or Left Step (Landscape Structures® PlayShaper® 153020A)	3,033.19		239.29
11 68 13 00-0252	EA	To 40" Deck, Curved Transfer Module, Right Or Left Step (Landscape Structures® PlayShaper® 153020B)	3,469.17		239.29
11 68 13 00-0253	EA	To 48" Deck, Curved Transfer Module, Right Or Left Step (Landscape Structures® PlayShaper® 153020C)	3,654.69		239.29
11 68 13 00-0254	EA	56"/SpyroSlide, Arches For Decks And/or Roofs (Landscape Structures® PlayShaper® 111399A)	1,843.59		59.82
11 68 13 00-0255	EA	48" Deck, Arches For Decks And/or Roofs (Landscape Structures® PlayShaper® 111399B)	1,806.48		59.82
11 68 13 00-0256	EA	40" Deck, Arches For Decks And/or Roofs (Landscape Structures® PlayShaper® 111399C)	1,787.93		59.82
11 68 13 00-0257	EA	32" Deck, Arches For Decks And/or Roofs (Landscape Structures® PlayShaper® 111399D)	1,760.10		59.82
11 68 13 00-0258	EA	24" Deck, Arches For Decks And/or Roofs (Landscape Structures® PlayShaper® 111399E)	1,732.28		59.82
11 68 13 00-0259	EA	16" Deck, Arches For Decks And/or Roofs (Landscape Structures® PlayShaper® 111399F)	1,713.72		59.82
11 68 13 00-0260	EA	8" Deck, Arches For Decks And/or Roofs (Landscape Structures® PlayShaper® 111399G)	1,695.17		59.82
11 68 13 00-0261	EA	Ground Level, Arches For Decks And/or Roofs (Landscape Structures® PlayShaper® 111399H)	1,676.62		59.82
11 68 13 00-0262	EA	82"/48" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398A)	411.61		29.91
11 68 13 00-0263	EA	74"/40" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398B)	393.06		29.91
11 68 13 00-0264	EA	66"/32" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398C)	365.23		29.91
11 68 13 00-0265	EA	58"/24" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398D)	355.96		29.91
11 68 13 00-0266	EA	50"/16" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398E)	346.68		29.91
11 68 13 00-0267	EA	42"/8" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398F)	337.41		29.91
11 68 13 00-0268	EA	128"/SpyroSlide/SlideWinder2 Off 48" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397A)	725.81		179.47
11 68 13 00-0269	EA	114"/48" Deck/SlideWinder2 Off 40" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397B)	688.70		179.47
11 68 13 00-0270	EA	106"/40" Deck/SlideWinder2 Off 32" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397C)	679.43		179.47
11 68 13 00-0271	EA	98"/32" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397D)	420.89		29.91
11 68 13 00-0272	EA	90"/24" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397E)	411.61		29.91
11 68 13 00-0273	EA	82"/16" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397F)	393.06		29.91
11 68 13 00-0274	EA	74"/8" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397G)	365.23		29.91
11 68 13 00-0275	EA	69"/Ground Level, Post For Decks (Landscape Structures® PlayShaper® 111397H)	355.96		29.91
11 68 13 00-0276	EA	145"/SpyroSlide, Post For Roofs (Landscape Structures® PlayShaper® 111396A)	485.82		29.91
11 68 13 00-0277	EA	137"/48" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396B)	476.55		29.91
11 68 13 00-0278	EA	129"/40" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396C)	448.72		29.91
11 68 13 00-0279	EA	121"/32" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396D)	439.44		29.91
11 68 13 00-0280	EA	113"/24" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396E)	430.17		29.91
11 68 13 00-0281	EA	105"/16" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396F)	411.61		29.91
11 68 13 00-0282	EA	97"/8" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396G)	393.06		29.91
11 68 13 00-0283	EA	89"/Ground Level, Post For Roofs (Landscape Structures® PlayShaper® 111396H)	365.23		29.91
11 68 13 00-0284	EA	Learning Wall Arch For 10" Panel Height, With Logo Panel (For Roof Only) (Landscape Structures® PlayShaper® 115208A)	2,647.16		209.04
11 68 13 00-0285	EA	Learning Wall Arch For 1" Panel Height, With Logo Panel (For Roof Only) (Landscape Structures® PlayShaper® 115208B)	2,612.58		206.35
11 68 13 00-0286	EA	Learning Wall Arch For 10" Panel Height Without Logo Panel (For Roof Only) (Landscape Structures® PlayShaper® 115208C)	2,128.16		168.12
11 68 13 00-0287	EA	Learning Wall Arch For 1" Panel Height Without Logo Panel (For Roof Only) (Landscape Structures® PlayShaper® 115208D)	2,093.48		165.33
11 68 13 00-0288	EA	Learning Wall Post For 10" Panel Height (Landscape Structures® PlayShaper® 115201A)	432.53		34.16
11 68 13 00-0289	EA	Learning Wall Post For 1" Panel Height (Landscape Structures® PlayShaper® 115201B)	415.23		32.82
11 68 13 00-0290	EA	Learning Wall Post For Poly Roof With 10" Panel Height (Landscape Structures® PlayShaper® 115203A)	470.60		37.14
11 68 13 00-0291	EA	Learning Wall Post For Poly Roof With 1" Panel Height (Landscape Structures® PlayShaper® 115203B)	449.83		35.51
11 68 13 00-0292	EA	The Peak Natural Climber, 40" Deck (Landscape Structures® PlayShaper® 160423A)	9,004.60		299.11
11 68 13 00-0293	EA	The Stepper Natural Climbing Stone, 24" Deck (Landscape Structures® PlayShaper® 160424A)	4,788.69		179.47

11 Equipment**11 60 Entertainment and Recreation Equipment****11 68 Play Field Equipment and Structures**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

11 68 13 00-0294			Playground Equipment (Landscape Structures® Independent Pieces) (11 68 13 00-0122)			
11 68 13 00-0295	EA	9-Blocks, Block Climber (Landscape Structures® 117966A).....	3,865.70		299.11	
11 68 13 00-0296	EA	12-Blocks, Block Climber (Landscape Structures® 117966B).....	4,375.88		299.11	
11 68 13 00-0297	EA	116-Blocks, Block Climber (Landscape Structures® 117966C).....	5,375.35		358.92	
11 68 13 00-0298	EA	Spider Web Climber, CableCore Climbing Cable (Direct Bury Only) (Landscape Structures® 136159A).....	4,035.00		239.29	
11 68 13 00-0299	EA	6-Panels, Cascade Climber (Direct Bury Only) (Landscape Structures® 150976A).....	6,574.80		398.81	
11 68 13 00-0300	EA	4-Panels, Cascade Climber (Direct Bury Only) (Landscape Structures® 150977A).....	4,519.69		179.47	
11 68 13 00-0301	EA	Star Seeker Climber, Net Climber (Direct Bury Only) (Landscape Structures® 148041A).....	12,074.90		538.39	
11 68 13 00-0302	EA	Funnel Climber, Net Climber With 2 Vertical Ladders, (6) Aluminum Posts (Landscape Structures® 144477A).....	10,894.57		358.92	
11 68 13 00-0303	EA	Funnel Climber, Net Climber Without Vertical Ladders, (4) Aluminum Posts (Landscape Structures® 144477B).....	8,012.07		299.11	
11 68 13 00-0304	EA	Funnel Climber, Net Climber With 1 Vertical Ladder, (5) Aluminum Posts (Landscape Structures® 144477C).....	9,453.32		329.02	
11 68 13 00-0305	EA	Funnel Climber, Net Climber With 3 Vertical Ladders, (7) Aluminum Posts (Landscape Structures® 144477D).....	12,335.82		388.84	
11 68 13 00-0306	EA	Funnel Climber, Net Climber With 4 Vertical Ladders, (8) Aluminum Posts (Landscape Structures® 144477E).....	13,777.07		418.75	
11 68 13 00-0307	EA	Funnel Climber, Net Climber With 2 Vertical Ladders, (6) Steel Posts (Landscape Structures® 144477F).....	10,616.29		358.92	
11 68 13 00-0308	EA	Funnel Climber, Net Climber Without Vertical Ladders, (4) Steel Posts (Landscape Structures® 144477G).....	7,826.55		299.11	
11 68 13 00-0309	EA	Funnel Climber, Net Climber With 1 Vertical Ladder, (5) Steel Posts (Landscape Structures® 144477H).....	9,221.42		329.02	
11 68 13 00-0310	EA	Funnel Climber, Net Climber With 3 Vertical Ladders, (7) Steel Posts (Landscape Structures® 144477I).....	12,011.16		388.84	
11 68 13 00-0311	EA	Funnel Climber, Net Climber With 4 Vertical Ladders, (8) Steel Posts (Landscape Structures® 144477J).....	13,406.03		418.75	
11 68 13 00-0312	EA	8", Pod Climber, One Pod Only (Landscape Structures® 120710A).....	436.54		49.85	
11 68 13 00-0313	EA	16", Pod Climber, One Pod Only (Landscape Structures® 120711A).....	445.82		49.85	
11 68 13 00-0314	EA	24", Pod Climber, One Pod Only (Landscape Structures® 120712A).....	455.10		49.85	
11 68 13 00-0315	EA	30", Pod Climber, One Pod Only (Landscape Structures® 120713A).....	464.37		49.85	
11 68 13 00-0316	EA	Track Ride Curved (Landscape Structures® 118093A).....	4,438.53		119.64	
11 68 13 00-0317	EA	18' Curved Track Ride, Aluminum Posts, (Direct Bury Only) (Landscape Structures® 121874A).....	6,720.37		358.92	
11 68 13 00-0318	EA	18' Curved Track Ride, Steel Posts, (Direct Bury Only) (Landscape Structures® 121874B).....	6,534.85		358.92	
11 68 13 00-0319	EA	10' Straight Track Ride, Aluminum Posts, (Direct Bury Only) (Landscape Structures® 121648A).....	5,644.35		358.92	
11 68 13 00-0320	EA	10' Straight Track Ride, Steel Posts, (Direct Bury Only) (Landscape Structures® 121648B).....	5,273.31		358.92	
11 68 13 00-0321	EA	18' Straight Track Ride, Aluminum Posts, (Direct Bury Only) (Landscape Structures® 121875A).....	5,876.25		358.92	
11 68 13 00-0322	EA	18' Straight Track Ride, Steel Posts, (Direct Bury Only) (Landscape Structures® 121875B).....	5,690.73		358.92	
11 68 13 00-0323	EA	Playstructure Seat, TenderTuff-coated Brown (Landscape Structures® 120818A).....	554.22		59.82	
11 68 13 00-0324	EA	Kids In Motion, Sway Fun Glider, Brown Deck Only (Landscape Structures® 138871A).....	20,202.94		717.86	
11 68 13 00-0325	EA	CoolToppers Shade System, Full Sail, (Direct Bury Only) (Landscape Structures® 136759A).....	17,396.86		1,076.78	
11 68 13 00-0326	EA	CoolToppers Shade System, Single Post, (Direct Bury Only) (Landscape Structures® 154397A).....	5,801.99		598.21	
11 68 13 00-0327	EA	CoolToppers Shade System, Single Post With Cool Mister, (Direct Bury Only) (Landscape Structures® 155071A).....	7,170.29		239.29	
11 68 13 00-0328	EA	CoolToppers Shade System, Single Post With Cool Mister, (Direct Bury Only) (Landscape Structures® 155072A).....	11,571.66		598.21	
11 68 13 00-0329	EA	Turtle Sand Table, (2-Color Permalene), (Direct Bury Only) (Landscape Structures® 116568A).....	727.57		79.77	
11 68 13 00-0330	EA	Straight Crawl Tunnel (Landscape Structures® 100005A).....	2,349.11		179.47	
11 68 13 00-0331	EA	Curved Crawl Tunnel (Landscape Structures® 100005D).....	2,989.15		179.47	
11 68 13 00-0332	EA	4' Square, SanDirect Buryoxe (Landscape Structures® 120458A).....	614.49		179.47	
11 68 13 00-0333	EA	SanDirect Buryoxe, Play Table Only (Landscape Structures® 120894A).....	874.22		179.47	
11 68 13 00-0334	EA	8' Square, SanDirect Buryoxe Without Play Table (Landscape Structures® 120458B).....	1,238.25		358.92	
11 68 13 00-0335	EA	8' Square, SanDirect Buryoxe With Play Table, (Direct Bury Only) (Landscape Structures® 120458C).....	1,804.09		358.92	
11 68 13 00-0336	EA	8' L-Shaped, SanDirect Buryoxe Without Play Table (Landscape Structures® 120458D).....	1,238.25		358.92	
11 68 13 00-0337	EA	8' L-Shaped, SanDirect Buryoxe With Play Table, (Direct Bury Only) (Landscape Structures® 120458E).....	1,804.09		358.92	
11 68 13 00-0338	EA	Splash Circuit Sand And Water Station, Direct Bury (Landscape Structures® 126202A).....	5,750.99		478.57	
11 68 13 00-0339	EA	Splash Circuit Sand And Water Station, Surface Mount (Landscape Structures® 126202B).....	5,597.97		358.92	
11 68 13 00-0340	EA	Talk Tubes, Complete With (2) 2-3/8" Square Aluminum Posts, Ground Level, (Direct Bury Only) (Landscape Structures® 113931A).....	2,560.12		239.29	
11 68 13 00-0341	EA	Clear Paint Panel, Surface Mount (Landscape Structures® 112621A).....	1,036.58		59.82	
11 68 13 00-0342	EA	Clear Paint Panel, Direct Bury (Landscape Structures® 112621B).....	900.91		89.73	
11 68 13 00-0343	EA	Dino Climber, Direct Bury (Landscape Structures® 100122A).....	15,026.99		478.57	
11 68 13 00-0344	EA	Dino Climber, Surface Mount (Landscape Structures® 100122B).....	15,660.10		418.75	
11 68 13 00-0345	EA	Sand Table, (3) Steel Posts, Direct Bury (Landscape Structures® 136233B).....	4,150.92		358.92	
11 68 13 00-0346	EA	Sand Table, (3) Aluminum Posts, Direct Bury (Landscape Structures® 136233A).....	4,252.95		358.92	
11 68 13 00-0347	EA	Wiggle Worm Crawl Tunnel With 2-Color Permalene Head (Landscape Structures® 120418A).....	5,025.20		299.11	
11 68 13 00-0348	EA	Wiggle Worm Crawl Tunnel Without 2-Color Permalene Head (Landscape Structures® 120418B).....	3,524.82		239.29	
11 68 13 00-0349	EA	Kids In Motion, Saddle Spinner (Landscape Structures® 152179A).....	1,518.93		59.82	
11 68 13 00-0350	EA	Kids In Motion, Log Roll With Aluminum Posts (Landscape Structures® 100027A).....	2,240.12		119.64	
11 68 13 00-0351	EA	Kids In Motion, Log Roll, Tan Log Only, (2) Steel Posts (Landscape Structures® 100027B).....	2,147.36		119.64	
11 68 13 00-0352	EA	Kids In Motion, Spring Pod Bouncer, Sold Individually Per Pod (Landscape Structures® 120876A).....	594.24		49.85	
11 68 13 00-0353	EA	Kids In Motion, SpringRing Bouncer, (Brown Ring Only, Avail. for Direct Bury Only) (Landscape Structures® 117961A).....	7,986.51		478.57	
11 68 13 00-0354	EA	Kids In Motion, Spring Platform With Handhold, Brown Platform, Tan Handhold* (Landscape Structures® 125059A).....	2,805.90		358.92	
11 68 13 00-0355	EA	Kids In Motion, Spring Platform Without Handhold, Brown Platform* (Landscape Structures® 125059B).....	2,620.38		358.92	
11 68 13 00-0356	EA	Kids In Motion, Spring Platform With Post, Brown Platform, Tan Post* (Landscape Structures® 125059C).....	3,306.80		358.92	
11 68 13 00-0357	EA	Kids In Motion, Stand-Up Spinner, (Direct Bury Only) (Landscape Structures® 155077A).....	2,233.18		59.82	
11 68 13 00-0358	EA	Orbiter Spinner, Steel Post, (Avail. for Direct Bury Only) (Landscape Structures® 153589A).....	3,100.46		179.47	
11 68 13 00-0359	EA	Orbiter2 Spinner, Steel Post, (Avail. for Direct Bury Only) (Landscape Structures® 154358A).....	5,602.65		239.29	
11 68 13 00-0360	EA	Orbiter3 Spinner, Steel Post, (Direct Bury Only) (Landscape Structures® 154359A).....	8,095.55		299.11	
11 68 13 00-0361	EA	Stand-Up Seesaw, Direct Bury (Landscape Structures® 148638A).....	3,279.03		119.64	
11 68 13 00-0362	EA	Stand-Up Seesaw, Surface Mount (Landscape Structures® 148638B).....	2,824.51		119.64	
11 68 13 00-0363	EA	2-Seat Seesaw, Direct Bury, Without Color Options On Permalene (Landscape Structures® 148636A).....	3,631.52		119.64	
11 68 13 00-0364	EA	2-Seat Seesaw, Surface Mount, Without Color Options On Permalene (Landscape Structures® 148636B).....	3,130.62		119.64	
11 68 13 00-0365	EA	4-Seat Seesaw, Direct Bury, Without Color Options On Permalene (Landscape Structures® 148637A).....	4,392.15		119.64	
11 68 13 00-0366	EA	4-Seat Seesaw, Surface Mount, Without Color Options On Permalene (Landscape Structures® 148637B).....	3,909.80		119.64	
11 68 13 00-0367	EA	Seesaw Back Support, With Seat Strap* (Landscape Structures® 148706A).....	414.52		19.94	
11 68 13 00-0368	EA	Seesaw Back Support, without Seat Strap (Landscape Structures® 148706B).....	340.31		19.94	
11 68 13 00-0369	EA	Stationary Cyclor, SuperScoop, (Direct Bury Only) (Landscape Structures® 123831A).....	1,538.61		149.55	
11 68 13 00-0370	EA	Stationary Cyclor, SuperScoop, Wheelchair-Accessible, Surface Mount (Landscape Structures® 123832A).....	1,383.26		89.73	
11 68 13 00-0371	EA	Stationary Cyclor, SuperScoop, Wheelchair-Accessible, Direct Bury (Landscape Structures® 123832B).....	1,427.30		149.55	
11 68 13 00-0372	EA	Motorcycle TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100013B).....	2,107.93		179.47	
11 68 13 00-0373	EA	Motorcycle Back Supports With Seat Strap (Landscape Structures® 123711A).....	331.04		19.94	
11 68 13 00-0374	EA	Motorcycle Back Supports Without Seat Strap (Landscape Structures® 123711B).....	275.38		19.94	

		Equipment	11
		Entertainment and Recreation Equipment	11 60
		Play Field Equipment and Structures	11 68

MINOR		TOTAL DIRECT		DEMOLITION
CSI UOM DESCRIPTION		UNIT COST		UNIT COST
11 68 13 00-0375	EA	Turtle TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100014B).....	1,779.79	149.55
11 68 13 00-0376	EA	Bird TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100015B).....	1,801.82	179.47
11 68 13 00-0377	EA	Horse TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100015B).....	1,783.27	179.47
11 68 13 00-0378	EA	Car TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100017B).....	2,107.93	179.47
11 68 13 00-0379	EA	RhinoDino TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100123B).....	1,761.24	149.55
11 68 13 00-0380	EA	T-Rex TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100124B).....	1,783.27	179.47
11 68 13 00-0381	EA	2-Seat Airplane Rider TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 120871A).....	2,658.68	209.37
11 68 13 00-0382	EA	2-Seat Airplane Rider TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 120871B).....	2,794.35	179.47
11 68 13 00-0383	EA	2-Seat Fire Engine Rider TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 126378A).....	2,408.23	209.37
11 68 13 00-0384	EA	2-Seat Fire Engine Rider TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 126378B).....	2,534.63	179.47
11 68 13 00-0385	EA	Motorcycle TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100013A).....	1,816.89	149.55
11 68 13 00-0386	EA	Turtle TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100014A).....	1,479.49	119.64
11 68 13 00-0387	EA	Bird TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100015A).....	1,501.51	149.55
11 68 13 00-0388	EA	Horse TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100016A).....	1,482.96	149.55
11 68 13 00-0389	EA	Car TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100017A).....	1,816.89	149.55
11 68 13 00-0390	EA	RhinoDino TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100123A).....	1,470.21	119.64
11 68 13 00-0391	EA	T-Rex TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100124A).....	1,482.96	149.55
11 68 13 00-0392	EA	Zebra Whimsy Riders, With Coil Spring, Direct Bury (Landscape Structures® 135534B).....	1,863.27	149.55
11 68 13 00-0393	EA	Sea Horse Whimsy Riders, With Coil Spring, Direct Bury (Landscape Structures® 135535B).....	1,993.14	149.55
11 68 13 00-0394	EA	Dolphin Whimsy Riders, With Coil Spring, Direct Bury (Landscape Structures® 135536B).....	1,900.38	149.55
11 68 13 00-0395	EA	Zebra Whimsy Riders, With Coil Spring, Surface Mount (Landscape Structures® 135534A).....	1,581.52	119.64
11 68 13 00-0396	EA	Sea Horse Whimsy Riders, With Coil Spring, Surface Mount (Landscape Structures® 135535A).....	1,702.11	119.64
11 68 13 00-0397	EA	Dolphin Whimsy Riders, With Coil Spring, Surface Mount (Landscape Structures® 135536A).....	1,618.63	119.64
11 68 13 00-0398	EA	SpyroSlide, Poly, 72" Deck (Landscape Structures® 115366A).....	11,650.47	717.86
11 68 13 00-0399	EA	40" Poly Slide, 40" Deck (Landscape Structures® 100046A).....	6,240.35	299.11
11 68 13 00-0400	EA	Wave Poly Slide, 72" Deck (Landscape Structures® 100046C).....	7,557.55	299.11
11 68 13 00-0401	EA	Fire Engine, Colors As Shown Only, (Direct Bury Only) (Landscape Structures® 148640A).....	22,883.60	1,196.42
11 68 13 00-0402	EA	Double Humpty Climber (Direct Bury Only) (Landscape Structures® 100037A).....	3,923.69	239.29
11 68 13 00-0403	EA	Single Humpty Climber (Direct Bury Only) (Landscape Structures® 100037B).....	2,145.03	179.47
11 68 13 00-0404	EA	12-Panel, Mobius Climber (Direct Bury Only) (Landscape Structures® 150638A).....	43,216.41	1,914.28
11 68 13 00-0405	EA	7-Panel, Mobius Climber (Direct Bury Only) (Landscape Structures® 150637A).....	23,746.20	1,435.71
11 68 13 00-0406	EA	6-Panel, Mobius Climber (Direct Bury Only) (Landscape Structures® 150636A).....	21,510.69	1,435.71
11 68 13 00-0407	EA	3-Panel, Mobius Climber (Direct Bury Only) (Landscape Structures® 150635A).....	10,305.51	478.57
11 68 13 00-0408	EA	4', Rainbow Climber (Direct Bury Only) (Landscape Structures® 100038A).....	1,485.29	89.73
11 68 13 00-0409	EA	6', Rainbow Climber (Direct Bury Only) (Landscape Structures® 100038B).....	1,661.54	89.73
11 68 13 00-0410	EA	Sky Rail Climber, Independent Climber (Direct Bury Only) (Landscape Structures® 146813A).....	5,273.31	358.92
11 68 13 00-0411	EA	4'-High, Vertical Pipe Climber (Direct Bury Only) (Landscape Structures® 100040A).....	1,114.25	89.73
11 68 13 00-0412	EA	6'-High, Vertical Pipe Climber (Direct Bury Only) (Landscape Structures® 100040B).....	1,207.01	89.73
11 68 13 00-0413	EA	Arch Belt Swing, 2-Place, TenderTuff-coated Chain (Landscape Structures® 100050A).....	5,062.71	478.57
11 68 13 00-0414	EA	Arch Belt Swing, 2-Place, Uncoated Chain (Landscape Structures® 100050C).....	4,906.88	478.57
11 68 13 00-0415	EA	Arch Swing, Additional 2 PL Bay, TenderTuff-coated Chain (Landscape Structures® 111579A).....	3,198.31	239.29
11 68 13 00-0416	EA	Arch Swing, Additional 2 PL Bay, Uncoated Chain (Landscape Structures® 111579C).....	3,042.47	239.29
11 68 13 00-0417	EA	Single Post Swing, 2-Place, Uncoated Chain (Landscape Structures® 122837A).....	2,592.55	358.92
11 68 13 00-0418	EA	Single Post Swing, 2-Place, TenderTuff-coated Chain (Landscape Structures® 122837B).....	2,748.39	358.92
11 68 13 00-0419	EA	Single Post Swing, Additional 2 PL Bay, Uncoated Chain (Landscape Structures® 122838A).....	1,876.03	179.47
11 68 13 00-0420	EA	Single Post Swing, Additional 2 PL Bay, TenderTuff-coated Chain (Landscape Structures® 122838B).....	2,031.87	179.47
11 68 13 00-0421	EA	Single Post Swing, 2-Place, Anti-Wrap Hangers, Uncoated Chain (Landscape Structures® 140769A).....	2,991.42	358.92
11 68 13 00-0422	EA	Single Post Swing, 2-Place, Anti-Wrap Hangers, TenderTuff-coated Chain (Landscape Structures® 140769B).....	3,147.25	358.92
11 68 13 00-0423	EA	Single Post Swing, Additional 2 PL Bay, Anti-Wrap Hangers, Uncoated Chain (Landscape Structures® 140770A).....	2,274.90	179.47
11 68 13 00-0424	EA	Single Post Swing, Additional 2 PL Bay, Anti-Wrap Hangers, TenderTuff-coated Chain (Landscape Structures® 140770B).....	2,430.73	179.47
11 68 13 00-0425	EA	Toddler Swing Add-On, With (1) Full-Bucket Seat, Without Post (Landscape Structures® 151852A).....	1,147.89	59.82
11 68 13 00-0426	EA	Arch Tire Swing, TenderTuff-coated Chain (Landscape Structures® 120891A).....	5,815.93	478.57
11 68 13 00-0427	EA	Additional Bay, Arch Tire Swing, TenderTuff-coated Chain (Landscape Structures® 139188A).....	4,090.66	239.29
11 68 13 00-0428	EA	4-Post Tire Swing, TenderTuff-coated Chain, (4) Posts With Crossovers, Steel Beam And Posts (Landscape Structures® 120892B).....	5,277.92	478.57
11 68 13 00-0429	EA	Additional Bay, 4-Post Tire Swing, TenderTuff-coated Chain, (2) Posts With Crossover, Steel Beam And Posts (Landscape Structures® 141458B).....	3,422.79	239.29
11 68 13 00-0430	EA	Toddler Swing, With (2) Full-Bucket Seats (Landscape Structures® 117962B).....	2,625.05	239.29
11 68 13 00-0431	EA	Curved Balance Beam (Landscape Structures® 100041A).....	1,117.16	79.77
11 68 13 00-0432	EA	Drop Shot, (Direct Bury Only) (Landscape Structures® 100042A).....	1,974.59	149.55
11 68 13 00-0433	EA	Basketball Outfit, 6' Offset, Fan Permalene Backboard, Chain Net (Landscape Structures® 116947A).....	4,220.52	239.29
11 68 13 00-0434	EA	Basketball Outfit, 6' Offset, Rectangular Permalene Backboard, Chain Net (Landscape Structures® 116947B).....	4,721.43	239.29
11 68 13 00-0435	EA	Basketball Outfit, 6' Offset, Fan Permalene Backboard, Nylon Net (Landscape Structures® 116947C).....	4,211.25	239.29
11 68 13 00-0436	EA	Basketball Outfit, 6' Offset, Rectangular Permalene Backboard, Nylon Net (Landscape Structures® 116947D).....	4,712.15	239.29
11 68 13 00-0437	EA	FitCore Outdoor Fitness Equipment With Aluminum Posts, (Direct Bury Only) (Landscape Structures® 123722A).....	20,694.23	2,153.57
11 68 13 00-0438	EA	FitCore Outdoor Fitness Equipment With Steel Posts, (Direct Bury Only) (Landscape Structures® 123722B).....	20,082.02	2,153.57
11 68 13 00-0439	EA	Fitness Cluster With Steel Posts (Landscape Structures® 120874B).....	12,976.77	1,435.71
11 68 13 00-0440	EA	Fitness Cluster With Aluminum Posts (Landscape Structures® 120874A).....	13,236.49	1,435.71
11 68 13 00-0441	EA	Aluminum Posts, Climbing Wall (Landscape Structures® 153354A).....	2,940.43	239.29
11 68 13 00-0442	EA	Steel Posts, Climbing Wall (Landscape Structures® 153354B).....	2,847.67	239.29
11 68 13 00-0443	EA	30" Galvanized Stake, TuffTimber Edgers (Landscape Structures® 100626A).....	25.74	9.97
11 68 13 00-0444	EA	TuffTimber, 4' Length, TuffTimber Edgers, Black Only (Landscape Structures® 119214A).....	83.02	9.97
11 68 13 00-0445	EA	TuffTimbers Access Wedge, TuffTimber Edgers, Black Only (Landscape Structures® 130799A).....	1,073.12	19.94
11 68 13 00-0446	EA	Age Appropriate Fitness Sign, Ages 12 And Over (Landscape Structures® 114483A).....	587.86	29.91
11 68 13 00-0447	EA	Age Appropriate Fitness Sign, Ages 5 to 12 (Landscape Structures® 114484A).....	587.86	29.91
11 68 13 00-0448	EA	Accessible Playground Sign, With 2-3/8" Post (Landscape Structures® 100103A).....	550.75	29.91
11 68 13 00-0449	EA	Age Appropriate Sign, With PlayShaper Posts, Optional Name* (Landscape Structures® 100104A).....	1,135.14	29.91
11 68 13 00-0450	EA	Age Appropriate Sign, With PlayShaper Posts, 2 - 5 Years* (Landscape Structures® 100105A).....	958.90	29.91
11 68 13 00-0451	EA	Age Appropriate Sign, With PlayShaper Posts, 5 - 12 Years* (Landscape Structures® 100106A).....	958.90	29.91
11 68 13 00-0452	EA	Flat Molded Seat, Swing Accessories (Excludes Chain) (Landscape Structures® 100052A).....	321.76	19.94
11 68 13 00-0453	EA	Molded Bucket Seat (Specify Color), Swing Accessories (Excludes Chain) (Landscape Structures® 100054A).....	795.40	59.82
11 68 13 00-0454	EA	Full-Bucket Seat, Swing Accessories (Excludes Chain) (Landscape Structures® 100055A).....	411.61	29.91
11 68 13 00-0455	EA	Half-Bucket Seat, Swing Accessories (Excludes Chain) (Landscape Structures® 112228A).....	393.06	29.91
11 68 13 00-0456	EA	Slash-Proof Belt Seat, Swing Accessories (Landscape Structures® 132385A).....	126.97	19.94

11 Equipment**11 60 Entertainment and Recreation Equipment****11 68 Play Field Equipment and Structures**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
11 68 13 00-0457	EA	Seat Strap for Molded Bucket Seat, Swing Accessories (Excludes Chain) (Landscape Structures® 111416A)	119.55		19.94
11 68 13 00-0458	LF	TuffTurf Geotextile Fabric, (12 1/2' Wide Roll), Order an Additional 20% for Overlap/Waste, per LF (Landscape Structures® 109694A)	10.08		2.99
11 68 13 00-0459	EA	TuffTurf Adhesive 10.6 oz. Tube, (Approximate Coverage: 3 Tiles per Tube) (Landscape Structures® 114513A)	13.45		
11 68 13 00-0460	EA	Rider, Direct Bury Leg, Concrete, (Direct Bury Only) (Landscape Structures® 115381A)	300.30		29.91
11 68 13 00-0461	EA	Mesh SanDirect Buryox Cover, 4' Square (Landscape Structures® 120530A)	99.14		14.95
11 68 13 00-0462	EA	Mesh SanDirect Buryox Cover, 8' Square (Landscape Structures® 120530B)	346.68		29.91
11 68 13 00-0463	EA	Mesh SanDirect Buryox Cover, 8' L-Shaped (Landscape Structures® 120530C)	291.03		29.91
11 68 13 00-0464	EA	4-Post Tire Swing, TenderTuff-coated Chain, (4) Posts With Crossovers, Steel Beam And Aluminum Posts (Landscape Structures® 120892A)	5,064.64		239.29
11 68 13 00-0465	EA	TuffTurf Tiles - 3' x 3' x 1-1/2", Square (Landscape Structures® 122868A)	182.62		14.95
11 68 13 00-0466	EA	TuffTurf Tiles - 3' x 3' x 1-1/2", 1-Bevel (Landscape Structures® 122868B)	182.62		14.95
11 68 13 00-0467	EA	TuffTurf Tiles - 3' x 3' x 1-1/2", 2-Bevel (Landscape Structures® 122868C)	182.62		14.95
11 68 13 00-0468	EA	TuffTurf Tiles - 3' x 3' x 1-1/2", 3-Bevel (Landscape Structures® 122868D)	182.62		14.95
11 68 13 00-0469	EA	TuffTurf Tiles - 3' x 3' x 1-1/2", 4-Bevel (Landscape Structures® 122868E)	182.62		14.95
11 68 13 00-0470	EA	TuffTurf Tiles - 3' x 3' x 1-1/2", Corner Bevel (Landscape Structures® 122868F)	182.62		14.95
11 68 13 00-0471	EA	Rider, 4-Bevel TuffTurf Tile, With Hole, For TuffRiders And Whimsy Riders * (Landscape Structures® 122869A)	191.90		14.95
11 68 13 00-0472	EA	1-Place, Surge Swing, Uncoated Chain (Landscape Structures® 127680A)	2,620.44		119.64
11 68 13 00-0473	EA	1-Place, Surge Swing, TenderTuff-coated Chain (Landscape Structures® 127680B)	2,698.35		119.64
11 68 13 00-0474	EA	TuffTurf Adhesive 1 Gallon (Approximate Coverage: 15 Tiles per Gallon) (Landscape Structures® 128036A)	92.76		
11 68 13 00-0475	EA	1-Place, Surge Swing, Anti-Wrap Hangers, Uncoated Chain (Landscape Structures® 139910A)	2,815.23		119.64
11 68 13 00-0476	EA	1-Place, Surge Swing, Anti-Wrap Hangers, TenderTuff-coated Chain (Landscape Structures® 139910B)	2,893.15		119.64
11 68 13 00-0477	EA	Additional Bay, 4-Post Tire Swing, TenderTuff-coated Chain, (2) Posts With Crossover, Steel Beam And Aluminum Posts (Landscape Structures® 141458A)	3,415.85		179.47
11 68 13 00-0478	EA	The Pinnacle Natural Climber (Landscape Structures® 156065A)	27,809.26		717.86
11 68 13 00-0479	EA	The Pointe Natural Climber (Landscape Structures® 156067A)	15,704.14		478.57
11 68 13 00-0480	EA	Hemisphere Climber With Single Arch, Independent Climber (Landscape Structures® 156435A)	15,704.14		478.57
11 68 13 00-0481	EA	5000 Series Swing, 8'-High Beam, 2-Place, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157107A)	2,138.08		119.64
11 68 13 00-0482	EA	5000 Series Swing, 8'-High Beam, 2-Place, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157107B)	2,293.92		119.64
11 68 13 00-0483	EA	5000 Series Swing, 8'-High Beam, 2-Place, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157107C)	2,379.26		119.64
11 68 13 00-0484	EA	5000 Series Swing, 8'-High Beam, 2-Place, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157107D)	2,535.10		119.64
11 68 13 00-0485	EA	5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157108A)	1,231.37		59.82
11 68 13 00-0486	EA	5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157108B)	1,387.21		59.82
11 68 13 00-0487	EA	5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157108C)	1,314.86		59.82
11 68 13 00-0488	EA	5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157108D)	1,470.69		59.82
11 68 13 00-0489	EA	5000 Series Swing, 10'-High Beam, 2-Place, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157109A)	2,230.84		119.64
11 68 13 00-0490	EA	5000 Series Swing, 10'-High Beam, 2-Place, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157109B)	2,468.31		119.64
11 68 13 00-0491	EA	5000 Series Swing, 10'-High Beam, 2-Place, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157109C)	2,472.02		119.64
11 68 13 00-0492	EA	5000 Series Swing, 10'-High Beam, 2-Place, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157109D)	2,709.49		119.64
11 68 13 00-0493	EA	5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157110A)	1,305.58		59.82
11 68 13 00-0494	EA	5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157110B)	1,642.75		119.64
11 68 13 00-0495	EA	5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157110C)	1,389.06		59.82
11 68 13 00-0496	EA	5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157110D)	1,726.23		119.64
11 68 13 00-0497	EA	5000 Series Swing, 8'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157111A)	2,323.60		119.64
11 68 13 00-0498	EA	5000 Series Swing, 8'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157111B)	2,479.44		119.64
11 68 13 00-0499	EA	5000 Series Swing, 8'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157111C)	2,564.78		119.64
11 68 13 00-0500	EA	5000 Series Swing, 8'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157111D)	2,720.62		119.64
11 68 13 00-0501	EA	5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157112A)	1,407.62		59.82
11 68 13 00-0502	EA	5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157112B)	1,663.15		119.64
11 68 13 00-0503	EA	5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157112C)	1,491.10		59.82
11 68 13 00-0504	EA	5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157112D)	1,746.64		119.64
11 68 13 00-0505	EA	5000 Series Swing, 10'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157113A)	2,416.36		119.64
11 68 13 00-0506	EA	5000 Series Swing, 10'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157113B)	2,653.83		119.64
11 68 13 00-0507	EA	5000 Series Swing, 10'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157113C)	2,657.54		119.64
11 68 13 00-0508	EA	5000 Series Swing, 10'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157113D)	2,895.01		119.64
11 68 13 00-0509	EA	5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157114A)	1,491.10		59.82
11 68 13 00-0510	EA	5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157114B)	1,828.27		119.64

		Equipment	11	
		Entertainment and Recreation Equipment	11 60	↔
		Play Field Equipment and Structures	11 68	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0511	EA		5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157114C)	1,674.28	119.64
11 68 13 00-0512	EA		5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157114D)	1,911.75	119.64
11 68 13 00-0513	EA		Motorcycle TuffRiders, With Torsion Spring, Surface Mount (Landscape Structures® 157286A)	2,138.08	119.64
11 68 13 00-0514	EA		Motorcycle TuffRiders, With Torsion Spring, Direct Bury (Landscape Structures® 157286B)	2,379.26	119.64
11 68 13 00-0515	EA		T-Rex TuffRiders, With Torsion Spring, Surface Mount (Landscape Structures® 157287A)	1,804.15	119.64
11 68 13 00-0516	EA		T-Rex TuffRiders, With Torsion Spring, Direct Bury (Landscape Structures® 157287B)	2,054.60	119.64
11 68 13 00-0517	EA		Bird TuffRiders, With Torsion Spring, Surface Mount (Landscape Structures® 157288A)	1,822.70	119.64
11 68 13 00-0518	EA		Bird TuffRiders, With Torsion Spring, Direct Bury (Landscape Structures® 157288B)	2,073.15	119.64
11 68 13 00-0519	EA		Horse TuffRiders, With Torsion Spring, Surface Mount (Landscape Structures® 157289A)	1,804.15	119.64
11 68 13 00-0520	EA		Horse TuffRiders, With Torsion Spring, Direct Bury (Landscape Structures® 157289B)	2,054.60	119.64
11 68 13 00-0521	EA		Car TuffRiders, With Torsion Spring, Surface Mount (Landscape Structures® 157290A)	2,138.08	119.64
11 68 13 00-0522	EA		Car TuffRiders, With Torsion Spring, Direct Bury (Landscape Structures® 157290B)	2,379.26	119.64
11 68 13 00-0523	EA		Zebra Whimsy Riders, With Torsion Spring, Surface Mount (Landscape Structures® 157291A)	1,961.84	119.64
11 68 13 00-0524	EA		Zebra Whimsy Riders, With Torsion Spring, Direct Bury (Landscape Structures® 157291B)	2,184.46	119.64
11 68 13 00-0525	EA		Sea Horse Whimsy Riders, With Torsion Spring, Surface Mount (Landscape Structures® 157292A)	2,073.15	119.64
11 68 13 00-0526	EA		Sea Horse Whimsy Riders, With Torsion Spring, Direct Bury (Landscape Structures® 157292B)	2,314.33	119.64
11 68 13 00-0527	EA		Dolphin Whimsy Riders, With Torsion Spring, SM (Landscape Structures® 157293A)	1,989.67	119.64
11 68 13 00-0528	EA		Dolphin Whimsy Riders, With Torsion Spring, Direct Bury (Landscape Structures® 157293B)	2,221.57	119.64
11 68 13 00-0529	EA		Kids In Motion, Wobble Pod Bouncer, (Direct Bury Only) (Landscape Structures® 158105A)	2,063.88	119.64
11 68 13 00-0530	EA		Chatter Noodle Kit, (2) Noodle Posts And Tubing, (Direct Bury Only) (Landscape Structures® 158106A)	2,861.61	119.64
11 68 13 00-0531	EA		8" Pod, Noodle Pod Steps With One E-Pod Step, (Direct Bury Only) (Landscape Structures® 158108A)	1,407.62	59.82
11 68 13 00-0532	EA		16" Pod, Noodle Pod Steps With One E-Pod Step, (Direct Bury Only) (Landscape Structures® 158108B)	1,416.89	59.82
11 68 13 00-0533	EA		24" Pod, Noodle Pod Steps With One E-Pod Step, (Direct Bury Only) (Landscape Structures® 158108C)	1,426.17	59.82
11 68 13 00-0534	EA		Single, Starburst Climber (Direct Bury Only) (Landscape Structures® 158426A)	2,564.78	119.64
11 68 13 00-0535	EA		Double, Starburst Climber (Direct Bury Only) (Landscape Structures® 158426B)	4,417.65	179.47
11 68 13 00-0536	EA		Triple, Starburst Climber (Direct Bury Only) (Landscape Structures® 158426C)	6,678.66	239.29
11 68 13 00-0537	EA		Quadruple, Starburst Climber (Direct Bury Only) (Landscape Structures® 158426D)	8,327.45	299.11
11 68 13 00-0538	EA		10", Pod Climber, One Pod Only (Landscape Structures® 158997A)	411.61	29.91
11 68 13 00-0539	EA		20", Pod Climber, One Pod Only (Landscape Structures® 158998A)	430.17	29.91
11 68 13 00-0540	EA		CoolToppers Shade System, Super Pyramid, 30' x 30', 13'-9" Entrance Height, (Direct Bury Only) (Landscape Structures® 159873A)	14,591.02	478.57
11 68 13 00-0541	EA		CoolToppers Shade System, Pyramid, 18' x 18', 8' Entrance Height, (Direct Bury Only) (Landscape Structures® 159881A)	7,717.57	239.29
11 68 13 00-0542	EA		CoolToppers Shade System, Pyramid, 18' x 18', 10' Entrance Height, (Direct Bury Only) (Landscape Structures® 159881B)	7,956.41	299.11
11 68 13 00-0543	EA		CoolToppers Shade System, Pyramid, 18' x 18', 12' Entrance Height, (Direct Bury Only) (Landscape Structures® 159881C)	8,086.28	299.11
11 68 13 00-0544	EA		CoolToppers Shade System, Pyramid, 24' x 24', 8' Entrance Height, (Direct Bury Only) (Landscape Structures® 159882A)	9,848.72	299.11
11 68 13 00-0545	EA		CoolToppers Shade System, Pyramid, 24' x 24', 10' Entrance Height, (Direct Bury Only) (Landscape Structures® 159882B)	9,978.58	299.11
11 68 13 00-0546	EA		CoolToppers Shade System, Pyramid, 24' x 24', 12' Entrance Height, (Direct Bury Only) (Landscape Structures® 159882C)	10,127.00	299.11
11 68 13 00-0547	EA		CoolToppers Shade System, Pyramid, 28' x 28', 8' Entrance Height, (Direct Bury Only) (Landscape Structures® 159883A)	12,517.87	358.92
11 68 13 00-0548	EA		CoolToppers Shade System, Pyramid, 28' x 28', 10' Entrance Height, (Direct Bury Only) (Landscape Structures® 159883B)	12,666.29	358.92
11 68 13 00-0549	EA		CoolToppers Shade System, Pyramid, 28' x 28', 12' Entrance Height, (Direct Bury Only) (Landscape Structures® 159883C)	12,805.43	358.92
11 68 13 00-0550	EA		Stationary Cyclor, Pedals Only, With Grab Bar, With Aluminum Posts (Landscape Structures® 160055A)	2,342.16	119.64
11 68 13 00-0551	EA		Stationary Cyclor, Handles Only, With Aluminum Posts (Landscape Structures® 160055B)	2,017.50	119.64
11 68 13 00-0552	EA		Stationary Cyclor, Pedals And Handles, With Aluminum Posts (Landscape Structures® 160055C)	2,926.54	119.64
11 68 13 00-0553	EA		Stationary Cyclor, Handles Only, Accessible, With Aluminum Posts (Landscape Structures® 160055D)	2,017.50	119.64
11 68 13 00-0554	EA		Stationary Cyclor, Pedals Only, With Grab Bar, With Steel Posts (Landscape Structures® 160055E)	2,286.50	119.64
11 68 13 00-0555	EA		Stationary Cyclor, Handles Only, With Steel Posts (Landscape Structures® 160055F)	1,961.84	119.64
11 68 13 00-0556	EA		Stationary Cyclor, Pedals And Handles, With Steel Posts (Landscape Structures® 160055G)	2,870.89	119.64
11 68 13 00-0557	EA		Stationary Cyclor, Handles Only, Accessible, With Steel Posts (Landscape Structures® 160055H)	1,961.84	119.64
11 68 13 00-0558	EA		Single, Gyro Twister Spinner, Aluminum Posts (Landscape Structures® 160315A)	3,425.12	179.47
11 68 13 00-0559	EA		Single, Gyro Twister Spinner, Steel Posts (Landscape Structures® 160315B)	3,369.47	179.47
11 68 13 00-0560	EA		Double, Gyro Twister Spinner, Aluminum Posts (Landscape Structures® 160316A)	5,890.20	239.29
11 68 13 00-0561	EA		Double, Gyro Twister Spinner, Steel Posts (Landscape Structures® 160316B)	5,834.55	239.29
11 68 13 00-0562	EA		The Peak Natural Climber (Landscape Structures® 160418A)	8,531.53	299.11
11 68 13 00-0563	EA		The Stepper Natural Climbing Stone (Landscape Structures® 160419A)	4,315.62	179.47
11 68 13 00-0564	EA		Double Escalator Climber, Independent Climber, Steel Posts, (Direct Bury Only) (Landscape Structures® 160692A)	10,590.80	299.11
11 68 13 00-0565	EA		HealthBeat Outdoor Fitness System, Chest/Back Press, Direct Bury (Landscape Structures® 161309A)	7,810.33	239.29
11 68 13 00-0566	EA		HealthBeat Outdoor Fitness System, Chest/Back Press, Surface Mount (Landscape Structures® 161309B)	7,402.19	239.29
11 68 13 00-0567	EA		HealthBeat Outdoor Fitness System, Squat Press, Direct Bury (Landscape Structures® 161310A)	7,810.33	239.29
11 68 13 00-0568	EA		HealthBeat Outdoor Fitness System, Squat Press, Surface Mount (Landscape Structures® 161310B)	7,402.19	239.29
11 68 13 00-0569	EA		HealthBeat Outdoor Fitness System, Tai Chi Wheels, Direct Bury (Landscape Structures® 161311A)	4,213.58	179.47
11 68 13 00-0570	EA		HealthBeat Outdoor Fitness System, Tai Chi Wheels, Surface Mount (Landscape Structures® 161311B)	3,796.16	179.47
11 68 13 00-0571	EA		HealthBeat Outdoor Fitness System, Cardio Stepper, Direct Bury (Landscape Structures® 161312A)	9,765.23	299.11
11 68 13 00-0572	EA		HealthBeat Outdoor Fitness System, Cardio Stepper, Surface Mount (Landscape Structures® 161312B)	9,357.09	299.11
11 68 13 00-0573	EA		HealthBeat Outdoor Fitness System, Pull-Up/Dip, Direct Bury (Landscape Structures® 161313A)	3,796.16	179.47
11 68 13 00-0574	EA		HealthBeat Outdoor Fitness System, Pull-Up/Dip, Surface Mount (Landscape Structures® 161313B)	3,388.02	179.47
11 68 13 00-0575	EA		HealthBeat Outdoor Fitness System, Ab Crunch/Leg Lift, Direct Bury (Landscape Structures® 161314A)	3,694.13	179.47
11 68 13 00-0576	EA		HealthBeat Outdoor Fitness System, Ab Crunch/Leg Lift, Surface Mount (Landscape Structures® 161314B)	3,388.02	179.47
11 68 13 00-0577	EA		HealthBeat Outdoor Fitness System, Balance Steps, Direct Bury (Landscape Structures® 161315A)	4,417.65	179.47
11 68 13 00-0578	EA		HealthBeat Outdoor Fitness System, Balance Steps, Surface Mount (Landscape Structures® 161315B)	4,621.73	179.47
11 68 13 00-0579	EA		HealthBeat Outdoor Fitness System, Assisted RoWith Push-Up, Direct Bury (Landscape Structures® 161316A)	3,490.05	179.47
11 68 13 00-0580	EA		HealthBeat Outdoor Fitness System, Assisted RoWith Push-Up, Surface Mount (Landscape Structures® 161316B)	3,388.02	179.47
11 68 13 00-0581	EA		HealthBeat Outdoor Fitness System, Plyometrics, Direct Bury (Landscape Structures® 161317A)	4,417.65	179.47
11 68 13 00-0582	EA		HealthBeat Outdoor Fitness System, Plyometrics, Surface Mount (Landscape Structures® 161317B)	4,621.73	179.47

11 Equipment**11 60 Entertainment and Recreation Equipment****11 68 Play Field Equipment and Structures**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

11 68 13 00-0583	EA	HealthBeat Outdoor Fitness System, Welcome Intro Sign, Direct Bury (Landscape Structures® 161437A).....	1,637.18	119.64
11 68 13 00-0584	EA	HealthBeat Outdoor Fitness System, Welcome Intro Sign, Surface Mount (Landscape Structures® 161437B).....	1,129.34	59.82
11 68 13 00-0585	EA	Global Releaf Sign With Frame (Landscape Structures® 162617A).....	1,008.75	59.82
11 68 13 00-0586	EA	Single, Bobble Riders With Coil Spring, Surface Mount (Landscape Structures® 164074A).....	1,305.58	59.82
11 68 13 00-0587	EA	Single, Bobble Riders With Coil Spring, Direct Bury (Landscape Structures® 164074B).....	1,655.73	119.64
11 68 13 00-0588	EA	Double, Bobble Riders With Coil Spring, Surface Mount (Landscape Structures® 164075A).....	2,518.40	119.64
11 68 13 00-0589	EA	Double, Bobble Riders With Coil Spring, Direct Bury (Landscape Structures® 164075B).....	2,703.92	119.64
11 68 13 00-0590	EA	16" Pod, Noodle Pod Steps With Two E-Pod Steps, (Direct Bury Only) (Landscape Structures® 164157A).....	1,924.74	119.64
11 68 13 00-0591	EA	24" Pod, Noodle Pod Steps With Two E-Pod Steps, (Direct Bury Only) (Landscape Structures® 164157B).....	1,943.29	119.64

11 68 13 00-0592 Playground Equipment (Landscape Structures® PlayBooster®) (11 68 13 00-0122)

11 68 13 00-0593	EA	116" Aluminum Posts, End Vertical Ladder (Landscape Structures® PlayBooster® 111273A).....	1,794.87	119.64
11 68 13 00-0594	EA	Log Roll, (1) Aluminum Post, Tan Log Only (Landscape Structures® PlayBooster® 111356A).....	1,924.74	119.64
11 68 13 00-0595	EA	Chinning Bar, (1) Aluminum Post (Landscape Structures® PlayBooster® 111357A).....	767.57	59.82
11 68 13 00-0596	EA	Turning Bar, (1) Aluminum Post (Landscape Structures® PlayBooster® 111357B).....	730.47	59.82
11 68 13 00-0597	EA	182"/72" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403A).....	587.86	29.91
11 68 13 00-0598	EA	174"/64" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403B).....	578.58	29.91
11 68 13 00-0599	EA	166"/56" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403C).....	550.75	29.91
11 68 13 00-0600	EA	158"/48" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403D).....	541.48	29.91
11 68 13 00-0601	EA	150"/40" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403E).....	513.65	29.91
11 68 13 00-0602	EA	142"/32" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403F).....	504.37	29.91
11 68 13 00-0603	EA	134"/24" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403G).....	485.82	29.91
11 68 13 00-0604	EA	108"/32" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403H).....	476.55	29.91
11 68 13 00-0605	EA	118"/8" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403I).....	448.72	29.91
11 68 13 00-0606	EA	110"/Ground Level, Posts For Roofs (Landscape Structures® PlayBooster® 111403J).....	439.44	29.91
11 68 13 00-0607	EA	148"/72" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404A).....	513.65	29.91
11 68 13 00-0608	EA	140"/64" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404B).....	495.10	29.91
11 68 13 00-0609	EA	132"/56" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404C).....	485.82	29.91
11 68 13 00-0610	EA	124"/48" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404D).....	476.55	29.91
11 68 13 00-0611	EA	116"/40" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404E).....	448.72	29.91
11 68 13 00-0612	EA	82"/32" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404F).....	439.44	29.91
11 68 13 00-0613	EA	100"/24" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404G).....	430.17	29.91
11 68 13 00-0614	EA	92"/16" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404H).....	411.61	29.91
11 68 13 00-0615	EA	84"/8" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404I).....	393.06	29.91
11 68 13 00-0616	EA	76"/Ground Level, Posts For Decks (Landscape Structures® PlayBooster® 111404J).....	365.23	29.91
11 68 13 00-0617	EA	106"/72" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405A).....	721.19	59.82
11 68 13 00-0618	EA	98"/64" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405B).....	693.36	59.82
11 68 13 00-0619	EA	90"/56" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405C).....	665.54	59.82
11 68 13 00-0620	EA	82"/48" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405D).....	597.13	29.91
11 68 13 00-0621	EA	74"/40" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405E).....	587.86	29.91
11 68 13 00-0622	EA	66"/32" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405F).....	569.31	29.91
11 68 13 00-0623	EA	58"/24" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405G).....	541.48	29.91
11 68 13 00-0624	EA	50"/16" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405H).....	532.20	29.91
11 68 13 00-0625	EA	42"/8" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405I).....	513.65	29.91
11 68 13 00-0626	EA	CloudDirect Buryurst Triple Poly Slide, 64" - 72" Deck (Landscape Structures® PlayBooster® 144414A).....	5,815.43	199.40
11 68 13 00-0627	EA	TurboTwister Tunnel Slide, 96" Deck, Excludes Posts (Landscape Structures® PlayBooster® 123763A).....	7,455.45	538.39
11 68 13 00-0628	EA	Double Poly Slide, 32" Deck (Landscape Structures® PlayBooster® 123331A).....	2,475.49	149.55
11 68 13 00-0629	EA	Double Poly Slide, 40" - 48" Deck (Landscape Structures® PlayBooster® 123331B).....	2,744.49	149.55
11 68 13 00-0630	EA	Double Swoosh Poly Slide, 64" - 72" Deck (Landscape Structures® PlayBooster® 130390A).....	3,183.95	179.47
11 68 13 00-0631	EA	40" Deck, El Slide (Landscape Structures® PlayBooster® 126368A).....	3,891.83	169.49
11 68 13 00-0632	EA	48" Deck, El Slide (Landscape Structures® PlayBooster® 126368B).....	4,436.21	179.47
11 68 13 00-0633	EA	56" Deck, El Slide (Landscape Structures® PlayBooster® 126368C).....	4,695.93	179.47
11 68 13 00-0634	EA	64" Deck, El Slide (Landscape Structures® PlayBooster® 126368D).....	5,258.87	199.40
11 68 13 00-0635	EA	72" Deck, El Slide (Landscape Structures® PlayBooster® 126368E).....	5,509.32	199.40
11 68 13 00-0636	EA	96" Deck, El Slide, Excludes Posts (Landscape Structures® PlayBooster® 126368F).....	7,371.46	259.22
11 68 13 00-0637	EA	Firepole With Permalene® Handholds 32" To 48" Deck (Landscape Structures® PlayBooster® 148426A).....	1,136.28	119.64
11 68 13 00-0638	EA	Firepole With Permalene® Handholds 56" To 72" Deck (Landscape Structures® PlayBooster® 148426B).....	1,164.10	119.64
11 68 13 00-0639	EA	Firepole With SteelX® Handholds 32" To 48" Deck (Landscape Structures® PlayBooster® 148435A).....	1,544.42	119.64
11 68 13 00-0640	EA	Firepole With SteelX® Handholds 56" To 72" Deck (Landscape Structures® PlayBooster® 148435B).....	1,590.80	119.64
11 68 13 00-0641	EA	32" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800A).....	5,857.70	358.92
11 68 13 00-0642	EA	40" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800B).....	6,766.75	358.92
11 68 13 00-0643	EA	48" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800C).....	7,295.48	358.92
11 68 13 00-0644	EA	56" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800D).....	8,608.00	478.57
11 68 13 00-0645	EA	64" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800E).....	8,821.35	478.57
11 68 13 00-0646	EA	72" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800F).....	10,324.06	478.57
11 68 13 00-0647	EA	96" Deck, Gemini SlideWinder2, Excludes Posts (Landscape Structures® PlayBooster® 130800G).....	12,165.32	598.21
11 68 13 00-0648	EA	40" Deck, Rollerslide (Landscape Structures® PlayBooster® 123333A).....	9,631.90	269.19
11 68 13 00-0649	EA	56" Deck, Rollerslide (Landscape Structures® PlayBooster® 123333B).....	12,115.53	329.02
11 68 13 00-0650	EA	Single Poly Slide, 40" - 48" Deck (Landscape Structures® PlayBooster® 123337A).....	2,110.26	119.64
11 68 13 00-0651	EA	32" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863A).....	2,794.35	179.47
11 68 13 00-0652	EA	40" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863B).....	3,119.01	179.47
11 68 13 00-0653	EA	48" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863C).....	3,480.78	179.47
11 68 13 00-0654	EA	56" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863D).....	3,942.24	239.29
11 68 13 00-0655	EA	64" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863E).....	4,109.21	239.29
11 68 13 00-0656	EA	72" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863F).....	4,702.87	239.29
11 68 13 00-0657	EA	96" Deck, SlideWinder2, Excludes Posts (Landscape Structures® PlayBooster® 124863G).....	5,618.86	299.11
11 68 13 00-0658	EA	72" Deck, SpyroSlide (Landscape Structures® PlayBooster® 122033A).....	8,363.36	448.66
11 68 13 00-0659	EA	72" Slide, With Hanger Bracket, 64" Deck, SpyroSlide (Landscape Structures® PlayBooster® 122033B).....	8,696.73	408.78
11 68 13 00-0660	EA	56" Deck, SpyroSlide (Landscape Structures® PlayBooster® 122033C).....	7,584.17	448.66
11 68 13 00-0661	EA	56" Slide, With Hanger Bracket, 48" Deck, SpyroSlide (Landscape Structures® PlayBooster® 122033D).....	7,889.72	408.78
11 68 13 00-0662	EA	32" - 40" Deck, Stainless Steel Slide (Landscape Structures® PlayBooster® 123340A).....	3,004.22	149.55
11 68 13 00-0663	EA	48" - 56" Deck, Stainless Steel Slide (Landscape Structures® PlayBooster® 123340B).....	3,273.23	149.55
11 68 13 00-0664	EA	64" - 72" Deck, Stainless Steel Slide (Landscape Structures® PlayBooster® 123340C).....	4,052.41	149.55
11 68 13 00-0665	EA	32" - 40" Deck, SteelX, Stainless Steel Slide (Landscape Structures® PlayBooster® 139945A).....	3,328.88	149.55

		Equipment	11	
		Entertainment and Recreation Equipment	11 60	≡
		Play Field Equipment and Structures	11 68	

MINOR		DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
CSI	UOM			
11 68 13 00-0666	EA	48" - 56" Deck, SteelX, Stainless Steel Slide (Landscape Structures® PlayBooster® 139945B).....	3,597.89	149.55
11 68 13 00-0667	EA	64" - 72" Deck, SteelX, Stainless Steel Slide (Landscape Structures® PlayBooster® 139945C).....	4,395.62	149.55
11 68 13 00-0668	EA	32" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367A).....	3,393.81	149.55
11 68 13 00-0669	EA	40" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367B).....	3,597.89	149.55
11 68 13 00-0670	EA	48" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367C).....	4,142.28	169.49
11 68 13 00-0671	EA	56" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367D).....	4,380.55	179.47
11 68 13 00-0672	EA	64" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367E).....	4,900.01	179.47
11 68 13 00-0673	EA	72" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367F).....	5,076.25	179.47
11 68 13 00-0674	EA	96" Deck, Tunnel Slide, Excludes Posts (Landscape Structures® PlayBooster® 126367G).....	6,697.21	239.29
11 68 13 00-0675	EA	Step Deck, 16" - 32" Decks, Brown Only (Landscape Structures® PlayBooster® 111465A).....	1,212.82	59.82
11 68 13 00-0676	EA	Sky Rail Climber, 64" And 72" Decks, (64" Avail. For Direct Bury Only) (Landscape Structures® PlayBooster® 146812A).....	2,143.89	89.73
11 68 13 00-0677	EA	Stepping Block Climber, 32" Deck Height Difference (Landscape Structures® PlayBooster® 130742A).....	4,853.63	179.47
11 68 13 00-0678	EA	32" Deck, Block Climber (Landscape Structures® PlayBooster® 135344A).....	3,110.31	229.32
11 68 13 00-0679	EA	40" Deck, Block Climber (Landscape Structures® PlayBooster® 135344B).....	3,629.77	229.32
11 68 13 00-0680	EA	32" Deck, SteelX, Block Climber (Landscape Structures® PlayBooster® 139491A).....	3,527.73	229.32
11 68 13 00-0681	EA	40" Deck, SteelX, Block Climber (Landscape Structures® PlayBooster® 139491B).....	4,065.74	229.32
11 68 13 00-0682	EA	Fish Net Climber, CableCore Climbing Cable, 16" - 32" Deck (Landscape Structures® PlayBooster® 126194A).....	3,845.45	169.49
11 68 13 00-0683	EA	Wavy Web Climber, 48" - 56" Deck (Landscape Structures® PlayBooster® 126273A).....	3,768.33	179.47
11 68 13 00-0684	EA	Wavy Web Climber, 64" - 72" Deck (Landscape Structures® PlayBooster® 126273B).....	4,046.61	179.47
11 68 13 00-0685	EA	Wavy Web Climber, 48" - 56" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126442A).....	4,547.52	179.47
11 68 13 00-0686	EA	Wavy Web Climber, 64" - 72" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126442B).....	4,816.52	179.47
11 68 13 00-0687	EA	Circus Ladder, CableCore Climbing Cable, 48" Deck (Landscape Structures® PlayBooster® 126272B).....	1,811.10	179.47
11 68 13 00-0688	EA	Circus Ladder, CableCore Climbing Cable, 56" - 64" Deck (Landscape Structures® PlayBooster® 126272C).....	1,913.13	179.47
11 68 13 00-0689	EA	Circus Ladder, CableCore Climbing Cable, 72" Deck (Landscape Structures® PlayBooster® 126272D).....	2,043.00	179.47
11 68 13 00-0690	EA	Circus Ladder, CableCore Climbing Cable, 32" - 40" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126441A).....	2,478.97	179.47
11 68 13 00-0691	EA	Circus Ladder, CableCore Climbing Cable, 48" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126441B).....	2,581.01	179.47
11 68 13 00-0692	EA	Circus Ladder, CableCore Climbing Cable, 56" - 64" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126441C).....	2,710.87	179.47
11 68 13 00-0693	EA	Circus Ladder, CableCore Climbing Cable, 72" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126441D).....	2,812.91	179.47
11 68 13 00-0694	EA	Spider Web Climber, 16" - 32" Decks (Direct Bury Only) (Landscape Structures® PlayBooster® 136158A).....	4,035.00	239.29
11 68 13 00-0695	EA	Chimney Climber, 56" - 64" Deck (Landscape Structures® PlayBooster® 153617A).....	5,203.78	239.29
11 68 13 00-0696	EA	Chimney Climber, 72" Deck (Landscape Structures® PlayBooster® 153617B).....	5,890.20	239.29
11 68 13 00-0697	EA	Chimney Climb Across, Straight, 72" To 72" Deck Or 64" To 64" Deck (Landscape Structures® PlayBooster® 155042A).....	7,383.64	239.29
11 68 13 00-0698	EA	Chimney Climb Across, Straight, 56" To 56" Deck (Landscape Structures® PlayBooster® 155042B).....	6,660.11	239.29
11 68 13 00-0699	EA	Chimney Climb Across, Straight, 48" To 48" Deck Or 40" To 40" Deck (Landscape Structures® PlayBooster® 155042C).....	5,890.20	239.29
11 68 13 00-0700	EA	Chimney Climb Across, Straight, 32" To 32" Deck (Landscape Structures® PlayBooster® 155042D).....	5,092.47	239.29
11 68 13 00-0701	EA	Chimney Climb Across, 24" Difference, 72" To 48" Deck Or 64" To 40" Deck (Landscape Structures® PlayBooster® 155043A).....	7,105.36	239.29
11 68 13 00-0702	EA	Chimney Climb Across, 24" Difference, 56" To 32" Deck (Landscape Structures® PlayBooster® 155043B).....	6,660.11	239.29
11 68 13 00-0703	EA	Chimney Climb Across, 24" Difference, 48" To 24" Deck (Landscape Structures® PlayBooster® 155043C).....	6,214.86	239.29
11 68 13 00-0704	EA	48" - 56" Deck, Cascade Climber (Direct Bury Only) (Landscape Structures® PlayBooster® 150975A).....	3,119.01	179.47
11 68 13 00-0705	EA	64" - 72" Deck, Cascade Climber (Direct Bury Only) (Landscape Structures® PlayBooster® 150975B).....	4,055.89	179.47
11 68 13 00-0706	EA	24" Deck Height Difference, Catwalk Climber (Landscape Structures® PlayBooster® 128986A).....	2,429.11	149.55
11 68 13 00-0707	EA	48" - 56" Deck, Centipede Climber (Landscape Structures® PlayBooster® 123291A).....	2,079.53	139.58
11 68 13 00-0708	EA	48" - 56" Deck, 90 Degree Tri-Deck, Centipede Climber (Landscape Structures® PlayBooster® 126376A).....	2,803.06	139.58
11 68 13 00-0709	EA	48" - 56" Deck, SteelX, Centipede Climber (Landscape Structures® PlayBooster® 139496A).....	2,478.40	139.58
11 68 13 00-0710	EA	40" Deck, 90 Degree Tri-Deck, Chain Ladder (Landscape Structures® PlayBooster® 153352A).....	2,197.21	149.55
11 68 13 00-0711	EA	48" - 56" Deck, 90 Degree Tri-Deck, Chain Ladder (Landscape Structures® PlayBooster® 153352B).....	2,308.52	149.55
11 68 13 00-0712	EA	64" - 72" Deck, 90 Degree Tri-Deck, Chain Ladder (Landscape Structures® PlayBooster® 153352C).....	2,401.28	149.55
11 68 13 00-0713	EA	40" Deck, Chain Ladder (Landscape Structures® PlayBooster® 153350A).....	1,380.92	149.55
11 68 13 00-0714	EA	48" - 56" Deck, Chain Ladder (Landscape Structures® PlayBooster® 153350B).....	1,455.13	149.55
11 68 13 00-0715	EA	64" - 72" Deck, Chain Ladder (Landscape Structures® PlayBooster® 153350C).....	1,575.72	149.55
11 68 13 00-0716	EA	40" Deck, SteelX, Chain Ladder, Direct Bury (Landscape Structures® PlayBooster® 153351A).....	1,779.79	149.55
11 68 13 00-0717	EA	48" - 56" Deck, SteelX, Chain Ladder, Direct Bury (Landscape Structures® PlayBooster® 153351B).....	1,854.00	149.55
11 68 13 00-0718	EA	64" - 72" Deck, SteelX, Chain Ladder, Direct Bury (Landscape Structures® PlayBooster® 153351C).....	1,956.03	149.55
11 68 13 00-0719	EA	48" Deck, Cliff Climber (Landscape Structures® PlayBooster® 122570A).....	2,401.28	149.55
11 68 13 00-0720	EA	56" Deck, Cliff Climber (Landscape Structures® PlayBooster® 122570B).....	2,419.83	149.55
11 68 13 00-0721	EA	64" Deck, Cliff Climber (Landscape Structures® PlayBooster® 122570C).....	2,855.81	149.55
11 68 13 00-0722	EA	72" Deck, Cliff Climber (Landscape Structures® PlayBooster® 122570D).....	2,874.36	149.55
11 68 13 00-0723	EA	48" Deck, SteelX, Cliff Climber (Landscape Structures® PlayBooster® 139501A).....	2,790.87	149.55
11 68 13 00-0724	EA	56" Deck, SteelX, Cliff Climber (Landscape Structures® PlayBooster® 139501B).....	2,837.25	149.55
11 68 13 00-0725	EA	64" Deck, SteelX, Cliff Climber (Landscape Structures® PlayBooster® 139501C).....	3,273.23	149.55
11 68 13 00-0726	EA	72" Deck, SteelX, Cliff Climber (Landscape Structures® PlayBooster® 139501D).....	3,301.05	149.55
11 68 13 00-0727	EA	72" Deck, Conical Climber (Landscape Structures® PlayBooster® 143199A).....	5,487.86	209.37
11 68 13 00-0728	EA	40" Deck, Conical Climber (Landscape Structures® PlayBooster® 143199B).....	4,486.06	209.37
11 68 13 00-0729	EA	32" - 48" Deck, Corkscrew Climber (Landscape Structures® PlayBooster® 148432A).....	1,562.97	119.64
11 68 13 00-0730	EA	56" - 72" Deck, Corkscrew Climber (Landscape Structures® PlayBooster® 148432B).....	1,767.04	119.64
11 68 13 00-0731	EA	32" - 48" Deck, SteelX, Corkscrew Climber (Landscape Structures® PlayBooster® 148437A).....	1,971.12	119.64
11 68 13 00-0732	EA	56" - 72" Deck, SteelX, Corkscrew Climber (Landscape Structures® PlayBooster® 148437B).....	2,230.84	119.64
11 68 13 00-0733	EA	64" - 72" Deck, Corner Climber (Landscape Structures® PlayBooster® 143198A).....	5,346.39	269.19
11 68 13 00-0734	EA	SpaceLink Climber, Net Climber, 72" Deck, (Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 145106A).....	7,421.93	89.73
11 68 13 00-0735	EA	Manta Ray Climber, Net Climber, 48" Deck, (Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 145108A).....	7,327.98	239.29
11 68 13 00-0736	EA	Manta Ray Climber, Net Climber, 56" Deck, (Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 145108B).....	7,327.98	239.29
11 68 13 00-0737	EA	Manta Ray Climber, 64" Deck, (Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 145108C).....	7,327.98	239.29
11 68 13 00-0738	EA	SpaceLink Climber, Net Climber, 48" Deck, (Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 145240A).....	7,421.93	89.73

11 Equipment**11 60 Entertainment and Recreation Equipment****11 68 Play Field Equipment and Structures**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
11 68 13 00-0739	EA	Star Seeker Climber, Net Climber, 72" Deck (Attaches To Square Decks Only, Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 148039A).....	4,670.43	119.64	
11 68 13 00-0740	EA	SpaceWalk Climber, Net Climber, Deck-To-Deck, 32" - 48" Deck (Landscape Structures® PlayBooster® 145107A).....	9,586.71		
11 68 13 00-0741	EA	Funnel Climber, Net Climber (Landscape Structures® PlayBooster® 145109A).....	5,286.12	119.64	
11 68 13 00-0742	EA	Funnel Climber, Short Brace, Net Climber (Landscape Structures® PlayBooster® 145248A).....	235.37	29.91	
11 68 13 00-0743	EA	Funnel Climber, Long Brace, Net Climber (Landscape Structures® PlayBooster® 145249A).....	272.47	29.91	
11 68 13 00-0744	EA	Funnel Climber, Vertical Ladder, Net Climber (Landscape Structures® PlayBooster® 145250A).....	1,042.38	29.91	
11 68 13 00-0745	EA	Funnel Climber, Handhold Panels, Net Climber (Landscape Structures® PlayBooster® 145251A).....	365.23	29.91	
11 68 13 00-0746	EA	40" Deck, Cozy Climber (Landscape Structures® PlayBooster® 123293A).....	3,267.43	179.47	
11 68 13 00-0747	EA	48" Deck, Cozy Climber (Landscape Structures® PlayBooster® 123293B).....	3,508.61	179.47	
11 68 13 00-0748	EA	40" Deck, 90 Degree Tri-Deck, Cozy Climber (Landscape Structures® PlayBooster® 126374A).....	3,675.57	179.47	
11 68 13 00-0749	EA	48" Deck, 90 Degree Tri-Deck, Cozy Climber (Landscape Structures® PlayBooster® 126374B).....	4,018.79	179.47	
11 68 13 00-0750	EA	40" Deck, SteelX, Cozy Climber (Landscape Structures® PlayBooster® 139500A).....	3,675.57	179.47	
11 68 13 00-0751	EA	48" Deck, SteelX, Cozy Climber (Landscape Structures® PlayBooster® 139500B).....	3,944.58	179.47	
11 68 13 00-0752	EA	1-Step With Barrier, Deck Links (Landscape Structures® PlayBooster® 152907A).....	1,837.78	89.73	
11 68 13 00-0753	EA	2-Steps With Barrier, Deck Links (Landscape Structures® PlayBooster® 152907B).....	2,616.97	89.73	
11 68 13 00-0754	EA	3-Steps With Barrier, Deck Links (Landscape Structures® PlayBooster® 152907C).....	3,405.43	89.73	
11 68 13 00-0755	EA	4-Steps With Barrier, Deck Links (Landscape Structures® PlayBooster® 152907D).....	4,184.61	89.73	
11 68 13 00-0756	EA	1-Step With Handrail, Deck Links (Landscape Structures® PlayBooster® 152908A).....	1,772.85	89.73	
11 68 13 00-0757	EA	2-Steps With Handrail, Deck Links (Landscape Structures® PlayBooster® 152908B).....	2,032.58	89.73	
11 68 13 00-0758	EA	3-Steps With Handrail, Deck Links (Landscape Structures® PlayBooster® 152908C).....	2,301.58	89.73	
11 68 13 00-0759	EA	4-Steps With Handrail, Deck Links (Landscape Structures® PlayBooster® 152908D).....	2,412.89	89.73	
11 68 13 00-0760	EA	1-Step With Handrail, SteelX, Deck Links (Landscape Structures® PlayBooster® 152910A).....	2,125.34	89.73	
11 68 13 00-0761	EA	2-Steps With Handrail, SteelX, Deck Links (Landscape Structures® PlayBooster® 152910B).....	2,403.62	89.73	
11 68 13 00-0762	EA	3-Steps With Handrail, SteelX, Deck Links (Landscape Structures® PlayBooster® 152910C).....	2,663.35	89.73	
11 68 13 00-0763	EA	4-Steps With Handrail, SteelX, Deck Links (Landscape Structures® PlayBooster® 152910D).....	2,923.07	89.73	
11 68 13 00-0764	EA	48" To 48" Deck Or 56" To 56" Deck, Double Wave Climber (Landscape Structures® PlayBooster® 122916A).....	5,033.34	209.37	
11 68 13 00-0765	EA	64" To 64" Deck Or 72" To 72" Deck, Double Wave Climber (Landscape Structures® PlayBooster® 122916B).....	5,163.20	209.37	
11 68 13 00-0766	EA	48" To 64" Deck Or 56" To 72" Deck, Double Wave Climber (Landscape Structures® PlayBooster® 122916C).....	5,089.00	209.37	
11 68 13 00-0767	EA	48" To 48" Deck Or 56" To 56" Deck, SteelX, Double Wave Climber (Landscape Structures® PlayBooster® 139488A).....	5,858.90	209.37	
11 68 13 00-0768	EA	64" To 64" Deck Or 72" To 72" Deck, SteelX, Double Wave Climber (Landscape Structures® PlayBooster® 139488B).....	5,988.77	209.37	
11 68 13 00-0769	EA	48" To 64" Deck Or 56" To 72" Deck, SteelX, Double Wave Climber (Landscape Structures® PlayBooster® 139488C).....	5,933.11	209.37	
11 68 13 00-0770	EA	40" - 48" Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 122914A).....	1,937.48	149.55	
11 68 13 00-0771	EA	56" Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 122914B).....	2,132.28	149.55	
11 68 13 00-0772	EA	64" - 72" Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 122914C).....	2,336.35	149.55	
11 68 13 00-0773	EA	40" - 48" Deck, 90 Degree Tri-Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 125688A).....	2,506.80	179.47	
11 68 13 00-0774	EA	56" Deck, 90 Degree Tri-Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 125688B).....	2,710.87	179.47	
11 68 13 00-0775	EA	64" - 72" Deck, 90 Degree Tri-Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 125688C).....	2,905.67	179.47	
11 68 13 00-0776	EA	40" - 48" Deck, SteelX, Loop Arch Climber (Landscape Structures® PlayBooster® 139493A).....	2,345.63	149.55	
11 68 13 00-0777	EA	56" Deck, SteelX, Loop Arch Climber (Landscape Structures® PlayBooster® 139493B).....	2,531.15	149.55	
11 68 13 00-0778	EA	64" - 72" Deck, SteelX, Loop Arch Climber (Landscape Structures® PlayBooster® 139493C).....	2,744.49	149.55	
11 68 13 00-0779	EA	40" - 48" Deck, Loop Ladder (Landscape Structures® PlayBooster® 128252A).....	1,340.35	119.64	
11 68 13 00-0780	EA	40" - 48" Deck, SteelX, Loop Ladder (Landscape Structures® PlayBooster® 139495A).....	1,748.49	119.64	
11 68 13 00-0781	EA	32" - 48" Deck, Loop Pole (Landscape Structures® PlayBooster® 148434A).....	1,562.97	119.64	
11 68 13 00-0782	EA	56" - 72" Deck, Loop Pole (Landscape Structures® PlayBooster® 148434B).....	1,692.84	119.64	
11 68 13 00-0783	EA	32" - 48" Deck, SteelX, Loop Pole (Landscape Structures® PlayBooster® 148438A).....	1,971.12	119.64	
11 68 13 00-0784	EA	56" - 72" Deck, SteelX, Loop Pole (Landscape Structures® PlayBooster® 148438B).....	2,082.43	119.64	
11 68 13 00-0785	EA	24" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247A).....	1,163.54	79.77	
11 68 13 00-0786	EA	32" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247B).....	1,284.13	79.77	
11 68 13 00-0787	EA	40" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247C).....	1,432.55	79.77	
11 68 13 00-0788	EA	48" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247D).....	1,717.19	89.73	
11 68 13 00-0789	EA	56" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247E).....	1,939.82	89.73	
11 68 13 00-0790	EA	64" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247F).....	2,143.89	89.73	
11 68 13 00-0791	EA	72" Deck-To-Ground, Panel Vertical Ladder (Landscape Structures® PlayBooster® 116247G).....	2,422.17	89.73	
11 68 13 00-0792	EA	48" Deck Height Difference, Single Wave Climber (Landscape Structures® PlayBooster® 122915A).....	2,524.21	89.73	
11 68 13 00-0793	EA	64" Deck Height Difference, Single Wave Climber (Landscape Structures® PlayBooster® 122915B).....	2,616.97	89.73	
11 68 13 00-0794	EA	48" Deck Height Difference, SteelX, Single Wave Climber (Landscape Structures® PlayBooster® 139487A).....	2,932.35	89.73	
11 68 13 00-0795	EA	64" Deck Height Difference, SteelX, Single Wave Climber (Landscape Structures® PlayBooster® 139487B).....	3,034.39	89.73	
11 68 13 00-0796	EA	48" - 56" Deck, Snake Climber (Landscape Structures® PlayBooster® 122913A).....	2,484.77	149.55	
11 68 13 00-0797	EA	64" - 72" Deck, Snake Climber (Landscape Structures® PlayBooster® 122913B).....	2,605.35	149.55	
11 68 13 00-0798	EA	48" - 56" Deck, 90 Degree Tri-Deck, Snake Climber (Landscape Structures® PlayBooster® 126375A).....	3,406.57	179.47	
11 68 13 00-0799	EA	64" - 72" Deck, 90 Degree Tri-Deck, Snake Climber (Landscape Structures® PlayBooster® 126375B).....	3,554.99	179.47	
11 68 13 00-0800	EA	48" - 56" Deck, SteelX, Snake Climber (Landscape Structures® PlayBooster® 139490A).....	2,892.91	149.55	
11 68 13 00-0801	EA	64" - 72" Deck, SteelX, Snake Climber (Landscape Structures® PlayBooster® 139490B).....	3,004.22	149.55	
11 68 13 00-0802	EA	32" Deck, Spiral Climber (Landscape Structures® PlayBooster® 122533A).....	1,312.52	119.64	
11 68 13 00-0803	EA	40" - 48" Deck, Spiral Climber (Landscape Structures® PlayBooster® 122533B).....	1,767.04	119.64	
11 68 13 00-0804	EA	56" - 64" Deck, Spiral Climber (Landscape Structures® PlayBooster® 122533C).....	2,227.95	139.58	
11 68 13 00-0805	EA	72" Deck, Spiral Climber (Landscape Structures® PlayBooster® 122533D).....	2,691.75	139.58	
11 68 13 00-0806	EA	32" Deck, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 116246A).....	2,147.36	119.64	
11 68 13 00-0807	EA	40" Deck, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 116246B).....	2,286.50	119.64	
11 68 13 00-0808	EA	48" - 56" Deck, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 116246C).....	2,611.16	119.64	
11 68 13 00-0809	EA	64" - 72" Deck, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 116246D).....	2,935.82	119.64	
11 68 13 00-0810	EA	32" Deck, SteelX, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 139492A).....	2,564.78	119.64	
11 68 13 00-0811	EA	40" Deck, SteelX, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 139492B).....	2,694.64	119.64	
11 68 13 00-0812	EA	48" - 56" Deck, SteelX, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 139492C).....	3,019.30	119.64	
11 68 13 00-0813	EA	64" - 72" Deck, SteelX, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 139492D).....	3,353.24	119.64	

		Equipment	11
		Entertainment and Recreation Equipment	11 60
		Play Field Equipment and Structures	11 68

MINOR		DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
CSI	UOM			
11 68 13 00-0814	EA	Mini Summit Climber 40" To 48" Decks (Landscape Structures® PlayBooster® 153076A)	1,581.05	179.47
11 68 13 00-0815	EA	64" And 72" Decks, (64" Avail. For Direct Bury Only) (Landscape Structures® PlayBooster® 128608A)	1,878.36	119.64
11 68 13 00-0816	EA	PlayOdyssey 72" Deck (Landscape Structures® PlayBooster® 129453A)	2,052.27	179.47
11 68 13 00-0817	EA	48" Deck-To-Ground, Thunderhead Climber With Aluminum Posts (Landscape Structures® PlayBooster® 139778A)	8,394.65	478.57
11 68 13 00-0818	EA	48" Deck-To-Ground, Thunderhead Climber With Steel Posts (Landscape Structures® PlayBooster® 139778B)	8,394.65	478.57
11 68 13 00-0819	EA	48" Deck, Vertical Ascent Climber (Landscape Structures® PlayBooster® 145624A)	1,674.28	119.64
11 68 13 00-0820	EA	56" Deck, Vertical Ascent Climber (Landscape Structures® PlayBooster® 145624B)	1,674.28	119.64
11 68 13 00-0821	EA	64" Deck, Vertical Ascent Climber (Landscape Structures® PlayBooster® 145624C)	1,850.53	119.64
11 68 13 00-0822	EA	72" Deck, Vertical Ascent Climber (Landscape Structures® PlayBooster® 145624D)	1,850.53	119.64
11 68 13 00-0823	EA	24" - 32" Deck, Vertical Ladder (Landscape Structures® PlayBooster® 116249A)	1,077.15	89.73
11 68 13 00-0824	EA	40" - 48" Deck, Vertical Ladder (Landscape Structures® PlayBooster® 116249B)	1,160.63	89.73
11 68 13 00-0825	EA	56" Deck, Vertical Ladder (Landscape Structures® PlayBooster® 116249C)	1,216.29	89.73
11 68 13 00-0826	EA	64" - 72" Deck, Vertical Ladder (Landscape Structures® PlayBooster® 116249D)	1,290.50	89.73
11 68 13 00-0827	EA	24" - 32" Deck, 90 Degree Tri-Deck, Vertical Ladder (Landscape Structures® PlayBooster® 126372A)	1,698.64	89.73
11 68 13 00-0828	EA	40" - 48" Deck, 90 Degree Tri-Deck, Vertical Ladder (Landscape Structures® PlayBooster® 126372B)	1,772.85	89.73
11 68 13 00-0829	EA	56" Deck, 90 Degree Tri-Deck, Vertical Ladder (Landscape Structures® PlayBooster® 126372C)	1,837.78	89.73
11 68 13 00-0830	EA	64" - 72" Deck, 90 Degree Tri-Deck, Vertical Ladder (Landscape Structures® PlayBooster® 126372D)	1,921.27	89.73
11 68 13 00-0831	EA	24" - 32" Deck, SteelX, Vertical Ladder (Landscape Structures® PlayBooster® 139494A)	1,476.02	89.73
11 68 13 00-0832	EA	40" - 48" Deck, SteelX, Vertical Ladder (Landscape Structures® PlayBooster® 139494B)	1,531.67	89.73
11 68 13 00-0833	EA	56" Deck, SteelX, Vertical Ladder (Landscape Structures® PlayBooster® 139494C)	1,615.16	89.73
11 68 13 00-0834	EA	64" - 72" Deck, SteelX, Vertical Ladder (Landscape Structures® PlayBooster® 139494D)	1,698.64	89.73
11 68 13 00-0835	EA	56" Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 123284D)	1,241.78	149.55
11 68 13 00-0836	EA	64" Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 123284E)	1,288.16	149.55
11 68 13 00-0837	EA	72" Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 123284F)	1,371.65	149.55
11 68 13 00-0838	EA	32" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371A)	1,742.69	149.55
11 68 13 00-0839	EA	40" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371B)	1,816.89	149.55
11 68 13 00-0840	EA	48" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371C)	1,872.55	149.55
11 68 13 00-0841	EA	56" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371D)	1,937.48	149.55
11 68 13 00-0842	EA	64" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371E)	2,002.41	149.55
11 68 13 00-0843	EA	72" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371F)	2,067.35	149.55
11 68 13 00-0844	EA	32" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502A)	1,455.13	149.55
11 68 13 00-0845	EA	40" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502B)	1,529.34	149.55
11 68 13 00-0846	EA	48" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502C)	1,575.72	149.55
11 68 13 00-0847	EA	56" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502D)	1,622.10	149.55
11 68 13 00-0848	EA	64" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502E)	1,677.75	149.55
11 68 13 00-0849	EA	72" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502F)	1,761.24	149.55
11 68 13 00-0850	EA	Overhead Events Air Dancer Overhead Event, Max. 32" Decks (Landscape Structures® PlayBooster® 121952A)	2,518.40	119.64
11 68 13 00-0851	EA	Overhead Events Swing Out Overhead Event, 16" Deck Height Only (Landscape Structures® PlayBooster® 120872A)	1,772.85	89.73
11 68 13 00-0852	EA	Overhead Events Triple Ring Fling Overhead Event, 24" Or 32" Deck-To-Ground (Landscape Structures® PlayBooster® 123824A)	3,554.99	179.47
11 68 13 00-0853	EA	Overhead Events Ring Pull, Brown Rings Only, Intended For Wheelchair Users (Landscape Structures® PlayBooster® 130873A)	888.16	59.82
11 68 13 00-0854	EA	Overhead Events 90 Degree Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 142890A)	2,518.40	119.64
11 68 13 00-0855	EA	Overhead Events Circular Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 142891A)	4,538.24	179.47
11 68 13 00-0856	EA	Overhead Events C-Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 142883A)	3,597.89	149.55
11 68 13 00-0857	EA	Overhead Events Ring-a-Ling Overhead Event, Max. 32" Decks (Landscape Structures® PlayBooster® 126203A)	3,406.57	179.47
11 68 13 00-0858	EA	Overhead Events Wave Net, CableCore Climbing Cable, Max. 32" Decks (Landscape Structures® PlayBooster® 126274A)	3,820.51	149.55
11 68 13 00-0859	EA	Overhead Events Trapeze Horizontal Ladder, 18" Wide, Max. 32" Decks (Landscape Structures® PlayBooster® 111468A)	2,456.94	149.55
11 68 13 00-0860	EA	Overhead Events Inclined Horizontal Ladder, 16" - 32" Decks, 16" Incline (Landscape Structures® PlayBooster® 142889A)	1,565.31	59.82
11 68 13 00-0861	EA	Overhead Events Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 142887A)	1,528.20	59.82
11 68 13 00-0862	EA	Overhead Events Overhead Parallel Bars, Max. 32" Decks (Landscape Structures® PlayBooster® 119430A)	1,611.69	59.82
11 68 13 00-0863	EA	Overhead Events Horizontal Ladder, 84" Module, Max. 16" Decks, 12" Max. Rung Spacing (Landscape Structures® PlayBooster® 139782A)	1,240.65	59.82
11 68 13 00-0864	EA	Overhead Events Wave Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 119613A)	1,723.00	59.82
11 68 13 00-0865	EA	Overhead Events Single Beam Loop Horizontal Ladder, 84" Module, Max. 32" Decks (Landscape Structures® PlayBooster® 119805A)	1,379.79	59.82
11 68 13 00-0866	EA	Overhead Events Single Beam Loop Horizontal Ladder, 123" Module, Max. 32" Decks (Landscape Structures® PlayBooster® 119806A)	1,760.10	59.82
11 68 13 00-0867	EA	Overhead Events S-Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 142884A)	3,597.89	149.55
11 68 13 00-0868	EA	Overhead Events Single S-Parallel Bar, Max. 32" Decks (Landscape Structures® PlayBooster® 119979A)	1,528.20	59.82
11 68 13 00-0869	EA	Overhead Events Wiggle Ring Bridge, Max. 32" Decks (Landscape Structures® PlayBooster® 148639A)	2,656.41	29.91
11 68 13 00-0870	EA	Overhead Events S-Ring Bridge, With (2) 2" Crossovers, Max. 32" Decks, Brown Rings Only (Landscape Structures® PlayBooster® 111467A)	2,264.48	89.73
11 68 13 00-0871	EA	Overhead Events Ring Bridge, With (2) 2" Crossovers, Max. 32" Decks, Brown Rings Only (Landscape Structures® PlayBooster® 111467B)	2,004.75	89.73
11 68 13 00-0872	EA	116" Steel Posts, End Vertical Ladder (Landscape Structures® PlayBooster® 111273B)	1,711.39	119.64
11 68 13 00-0873	EA	132" Steel Posts, End Vertical Ladder (For Use With Ring Bridges) (Landscape Structures® PlayBooster® 116208B)	1,804.15	119.64
11 68 13 00-0874	EA	10' Module, Track Ride Without Supports, With (2) Crossovers, Max. 16" Decks (Landscape Structures® PlayBooster® 111353A)	3,390.34	119.64
11 68 13 00-0875	EA	18' Module, Track Ride Without Supports, With (2) Crossovers, Max. 16" Decks (Landscape Structures® PlayBooster® 112465A)	3,817.04	119.64
11 68 13 00-0876	EA	16" - 24" Decks, Spring Across Bridge (Landscape Structures® PlayBooster® 136156A)	4,826.93	269.19
11 68 13 00-0877	EA	90 Degree, 8" - 72" Decks, Curved Bridge, Bridge Planks Brown Only (Landscape Structures® PlayBooster® 120211A)	6,147.59	299.11
11 68 13 00-0878	EA	C Or S, 8" - 72" Decks, Curved Bridge, Bridge Planks Brown Only (Landscape Structures® PlayBooster® 120689A)	13,324.82	598.21
11 68 13 00-0879	EA	16" To 32" Deck, Pod Bridge, Direct Bury (Landscape Structures® PlayBooster® 127234A)	7,295.48	358.92
11 68 13 00-0880	EA	42" Module, Arch Bridge, Permalene Barrier, Bridge Plank (Landscape Structures® PlayBooster® 114665A)	2,910.33	59.82
11 68 13 00-0881	EA	42" Module, Arch Bridge, SteelX, Bridge Plank (Landscape Structures® PlayBooster® 139383A)	3,105.12	59.82
11 68 13 00-0882	EA	123" Module, Arch Bridge With Guardrail, Max. 40" Decks (Landscape Structures® PlayBooster® 143677A)	5,657.16	149.55

11 Equipment**11 60 Entertainment and Recreation Equipment****11 68 Play Field Equipment and Structures**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
11 68 13 00-0883	EA	123" Module, Arch Bridge With Barrier, Max. 72" Decks (Landscape Structures® PlayBooster® 143677B)	7,299.01	149.55	
11 68 13 00-0884	EA	42" Module, Belt Bridge, Permalene Barrier (Landscape Structures® PlayBooster® 114373A)	2,960.18	89.73	
11 68 13 00-0885	EA	84" Module, 24" - 48" Decks, Belt Bridge (Landscape Structures® PlayBooster® 120310A)	4,452.42	239.29	
11 68 13 00-0886	EA	123" Module, 24" - 48" Decks, Belt Bridge (Landscape Structures® PlayBooster® 120624A)	5,157.40	239.29	
11 68 13 00-0887	EA	Bridge/Ramp Transition Bracket, Brown Only (Landscape Structures® PlayBooster® 111345A)	439.44	29.91	
11 68 13 00-0888	EA	Ramp Exit/Wall Mount Plate, Surface Mount, Brown Only (Landscape Structures® PlayBooster® 111346A)	650.45	89.73	
11 68 13 00-0889	EA	Ramp Exit Plate, Direct Bury, Brown Only (Landscape Structures® PlayBooster® 111346B)	798.87	89.73	
11 68 13 00-0890	EA	Ramp Berm Exit Plate, Brown Only (Landscape Structures® PlayBooster® 120325A)	631.90	89.73	
11 68 13 00-0891	EA	84" Module, Clatterbridge, Brown Planks Only, With Handrails For 24" - 48" Decks (Landscape Structures® PlayBooster® 143194A)	4,825.80	179.47	
11 68 13 00-0892	EA	123" Module, Clatterbridge, Brown Planks Only, With Handrails For 24" - 48" Decks (Landscape Structures® PlayBooster® 143195A)	6,118.63	209.37	
11 68 13 00-0893	EA	84" Module, Clatterbridge, Brown Planks Only, With Barrier For 24" To 72" Decks (Landscape Structures® PlayBooster® 147424A)	6,950.00	179.47	
11 68 13 00-0894	EA	123" Module, Clatterbridge, Brown Planks Only, With Barrier For 24" To 72" Decks (Landscape Structures® PlayBooster® 147425A)	8,508.37	179.47	
11 68 13 00-0895	EA	84" Module, Disc Challenge, Max. 24" Decks, With 2 Handhold Panels (Landscape Structures® PlayBooster® 120873A)	4,148.58	418.75	
11 68 13 00-0896	EA	123" Module, Disc Challenge, Max. 24" Decks, With 2 Handhold Panels (Landscape Structures® PlayBooster® 121416A)	5,769.55	478.57	
11 68 13 00-0897	EA	S-Disc Challenge, 123" Module, Disc Challenge, Max. 24" Decks, With 2 Handhold Panels (Landscape Structures® PlayBooster® 136157A)	5,769.55	478.57	
11 68 13 00-0898	EA	16" Deck Height Difference, Peek And Creep Ramp, Brown Wire Plank Only, With Barriers (Landscape Structures® PlayBooster® 152443A)	4,348.11	59.82	
11 68 13 00-0899	EA	16" Deck Height Difference, Peek And Creep Ramp, Brown Wire Plank Only, With Guardrails (Landscape Structures® PlayBooster® 152444A)	2,836.12	59.82	
11 68 13 00-0900	EA	Wire Crawl Tunnel (Landscape Structures® PlayBooster® 119641A)	3,233.80	209.37	
11 68 13 00-0901	EA	64" Straight, 8" - 72" Decks, Crawl Tunnel (Landscape Structures® PlayBooster® 126204B)	3,603.69	119.64	
11 68 13 00-0902	EA	90 Degree Curved, 8" - 72" Deck, Crawl Tunnel (Landscape Structures® PlayBooster® 142892A)	4,280.84	119.64	
11 68 13 00-0903	EA	32" Straight, 8" - 72" Decks, Crawl Tunnel (Landscape Structures® PlayBooster® 126204A)	2,750.30	119.64	
11 68 13 00-0904	EA	C-Inclined, 16" Deck Height Difference, Crawl Tunnel, 30" Diameter, Permalene Panels, Maximum 48" Decks, Deck-To-Deck Applications (Landscape Structures® PlayBooster® 117088A)	7,031.15	239.29	
11 68 13 00-0905	EA	S-Inclined, 16" Deck Height Difference, Crawl Tunnel, 30" Diameter, Permalene Panels, Maximum 48" Decks, Deck-To-Deck Applications (Landscape Structures® PlayBooster® 117088B)	7,031.15	239.29	
11 68 13 00-0906	EA	C-Straight, Crawl Tunnel, 30" Diameter, Permalene Panels, Maximum 48" Decks, Deck-To-Deck Applications (Landscape Structures® PlayBooster® 117089A)	7,031.15	239.29	
11 68 13 00-0907	EA	S-Straight, Crawl Tunnel, 30" Diameter, Permalene Panels, Maximum 48" Decks, Deck-To-Deck Applications (Landscape Structures® PlayBooster® 117089B)	7,031.15	239.29	
11 68 13 00-0908	EA	24" Deck Height Difference, Offset Crawl Tunnel (Landscape Structures® PlayBooster® 129042A)	4,486.06	209.37	
11 68 13 00-0909	EA	8" Deck Height Difference, Offset Crawl Tunnel (Landscape Structures® PlayBooster® 119930A)	3,966.60	209.37	
11 68 13 00-0910	EA	16" Deck Height Difference, Offset Crawl Tunnel (Landscape Structures® PlayBooster® 122589A)	4,096.46	209.37	
11 68 13 00-0911	EA	Math Panel, Red Discs Only, Enclosure (Landscape Structures® PlayBooster® 115232A)	2,202.45	79.77	
11 68 13 00-0912	EA	Spelling Panel, Red Discs Only, Enclosure (Landscape Structures® PlayBooster® 115233A)	2,091.14	79.77	
11 68 13 00-0913	EA	Gear Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 117146A)	2,474.36	59.82	
11 68 13 00-0914	EA	Hourglass Panel, Enclosure (Landscape Structures® PlayBooster® 123319A)	1,908.52	59.82	
11 68 13 00-0915	EA	Image Panel, 176 Play Blocks, Enclosure (Landscape Structures® PlayBooster® 127681A)	1,831.41	79.77	
11 68 13 00-0916	EA	Slant Window Panel, Enclosure (Landscape Structures® PlayBooster® 115222A)	1,692.27	79.77	
11 68 13 00-0917	EA	Bubble Panel, Enclosure (Landscape Structures® PlayBooster® 115223A)	1,120.06	59.82	
11 68 13 00-0918	EA	Puppet Panel, Enclosure (Landscape Structures® PlayBooster® 115225A)	823.23	59.82	
11 68 13 00-0919	EA	Zoo Panel, Enclosure (Landscape Structures® PlayBooster® 115227A)	832.50	59.82	
11 68 13 00-0920	EA	Ball Maze Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 115236A)	1,611.69	59.82	
11 68 13 00-0921	EA	Match 4 Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 127678A)	1,302.68	79.77	
11 68 13 00-0922	EA	Finger Maze Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 115229A)	999.47	59.82	
11 68 13 00-0923	EA	Tracing Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 115230A)	999.47	59.82	
11 68 13 00-0924	EA	Mirror Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 115234A)	1,528.20	59.82	
11 68 13 00-0925	EA	Pilot Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 119514A)	1,463.27	59.82	
11 68 13 00-0926	EA	Space Travel Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 123483A)	1,732.28	59.82	
11 68 13 00-0927	EA	Braille And Clock Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 123844A)	2,066.21	59.82	
11 68 13 00-0928	EA	Chimes Panel, Enclosure (Landscape Structures® PlayBooster® 115243A)	1,908.52	59.82	
11 68 13 00-0929	EA	Puppet Panel With Window Above Deck, Enclosure (Landscape Structures® PlayBooster® 115226A)	1,018.02	59.82	
11 68 13 00-0930	EA	Balcony Deck, Brown Tenderdeck Only (Landscape Structures® PlayBooster® 111240A)	1,707.92	89.73	
11 68 13 00-0931	EA	Balcony Deck, With Wheel, Brown Tenderdeck Only (Landscape Structures® PlayBooster® 111240B)	1,967.65	89.73	
11 68 13 00-0932	EA	Driver Panel, SteelX, Above Deck (Landscape Structures® PlayBooster® 139382A)	1,240.65	59.82	
11 68 13 00-0933	EA	Driver Panel, SteelX, Below Deck (Landscape Structures® PlayBooster® 139382B)	1,435.44	59.82	
11 68 13 00-0934	EA	Driver Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 115228A)	1,147.89	59.82	
11 68 13 00-0935	EA	Storefront Panel, SteelX, Ground-Level Panel (Landscape Structures® PlayBooster® 139378A)	962.37	59.82	
11 68 13 00-0936	EA	Hole Panel (SteelX®), Ground-Level Panel (Landscape Structures® PlayBooster® 139381A)	915.99	59.82	
11 68 13 00-0937	EA	Slant Entrance Panel, 24" Diameter, Ground-Level Panel (Landscape Structures® PlayBooster® 115242A)	1,575.16	109.67	
11 68 13 00-0938	EA	Sand And Water Panel, Ground-Level Panel, Tan Dish Only (Landscape Structures® PlayBooster® 115257A)	2,125.34	89.73	
11 68 13 00-0939	EA	Table Panel, Ground-Level Panel (Landscape Structures® PlayBooster® 130565A)	1,441.82	79.77	
11 68 13 00-0940	EA	Hole Panel (Permalene®), Ground-Level Panel (Landscape Structures® PlayBooster® 115253A)	823.23	59.82	
11 68 13 00-0941	EA	Storefront Panel, Ground-Level Panel (Landscape Structures® PlayBooster® 115254A)	851.06	59.82	
11 68 13 00-0942	EA	2 Panels, Handhold Panel (Landscape Structures® PlayBooster® 127953A)	411.61	29.91	
11 68 13 00-0943	EA	1 Panel, Handhold Panel (Landscape Structures® PlayBooster® 127953B)	206.74	19.94	
11 68 13 00-0944	EA	House Panel (SteelX®) Above Deck (Landscape Structures® PlayBooster® 139380A)	1,085.86	49.85	
11 68 13 00-0945	EA	House Panel, SteelX, Below Deck (Landscape Structures® PlayBooster® 139380B)	1,296.30	59.82	
11 68 13 00-0946	EA	House Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 115235A)	934.54	59.82	
11 68 13 00-0947	EA	Periscope Panel, SteelX, Above Deck (Landscape Structures® PlayBooster® 139379A)	2,372.32	59.82	
11 68 13 00-0948	EA	Periscope Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 117957A)	2,066.21	59.82	
11 68 13 00-0949	EA	Periscope Panel, SteelX, Below Deck (Landscape Structures® PlayBooster® 139379B)	2,585.67	59.82	
11 68 13 00-0950	EA	Pipe Barrier Above Deck, Without Wheel (Landscape Structures® PlayBooster® 116244A)	851.06	59.82	
11 68 13 00-0951	EA	Pipe Barrier, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 117680A)	913.09	79.77	
11 68 13 00-0952	EA	Pipe Barrier Above Deck, With Wheel (Landscape Structures® PlayBooster® 116244B)	1,092.23	59.82	
11 68 13 00-0953	EA	Pipe Barrier, With Wheel, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 117680B)	1,172.82	79.77	
11 68 13 00-0954	EA	Pipe Barrier, (For TurboTwister Tunnel Slide) (Landscape Structures® PlayBooster® 125921A)	906.71	59.82	
11 68 13 00-0955	EA	Pipe Barrier, With Wheel, (For TurboTwister Tunnel Slide) (Landscape Structures® PlayBooster® 125921B)	1,166.44	59.82	

		Equipment	11
		Entertainment and Recreation Equipment	11 60
		Play Field Equipment and Structures	11 68

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0956	EA		Pipe Guardrail (Landscape Structures® PlayBooster® 116245A).....	730.47	59.82
11 68 13 00-0957	EA		Pipe Guardrail, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 117681A).....	931.64	79.77
11 68 13 00-0958	EA		Wheelchair Accessible Navigator Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 127439A).....	893.97	29.91
11 68 13 00-0959	EA		Wheelchair Accessible Trail Tracker Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 127440A).....	639.34	29.91
11 68 13 00-0960	EA		Wheelchair Accessible Image Reach Panel, 75 Play Blocks (Landscape Structures® PlayBooster® 129043A).....	1,172.25	29.91
11 68 13 00-0961	EA		Wheelchair Accessible Periscope Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 135729A).....	1,985.64	49.85
11 68 13 00-0962	EA		Wheelchair Accessible Match 3 Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 135730A).....	1,067.31	49.85
11 68 13 00-0963	EA		Wheelchair Accessible Chimes Reach Panel (Landscape Structures® PlayBooster® 135731A).....	1,633.15	49.85
11 68 13 00-0964	EA		Recycled Poly Wall (Landscape Structures® PlayBooster® 111267A).....	1,222.10	59.82
11 68 13 00-0965	EA		Recycled Poly Wall, With Wheel (Landscape Structures® PlayBooster® 111267B).....	1,491.10	59.82
11 68 13 00-0966	EA		Tic-Tac-Toe Panel, SteelX, Above Deck (Landscape Structures® PlayBooster® 139377A).....	3,012.36	59.82
11 68 13 00-0967	EA		Tic-Tac-Toe Panel, SteelX, Below Deck (Landscape Structures® PlayBooster® 139377B).....	3,241.37	79.77
11 68 13 00-0968	EA		Tic-Tac-Toe Panel, Above Deck, Tan Discs Only (Landscape Structures® PlayBooster® 115231A).....	1,871.42	59.82
11 68 13 00-0969	EA		Wire Barrier (Landscape Structures® PlayBooster® 120314A).....	950.19	79.77
11 68 13 00-0970	EA		Wire Barrier, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 120315A).....	1,154.27	79.77
11 68 13 00-0971	EA		Wire Barrier With Wheel (Landscape Structures® PlayBooster® 120314B).....	1,219.20	79.77
11 68 13 00-0972	EA		Wire Barrier With Wheel, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 120315B).....	1,423.27	79.77
11 68 13 00-0973	EA		Wire Barrier, (For TurboTwister Tunnel Slide) (Landscape Structures® PlayBooster® 125921C).....	1,018.02	59.82
11 68 13 00-0974	EA		Wire Barrier With Wheel, (For TurboTwister Tunnel Slide) (Landscape Structures® PlayBooster® 125921D).....	1,287.03	59.82
11 68 13 00-0975	EA		Loop Seats (Landscape Structures® PlayBooster® 118089A).....	643.51	29.91
11 68 13 00-0976	EA		Grab Bar, TenderTuff-coated Brown (Landscape Structures® PlayBooster® 120901A).....	247.55	19.94
11 68 13 00-0977	EA		Handhold/Leg Lift, TenderTuff-coated Brown (Landscape Structures® PlayBooster® 120902A).....	275.38	19.94
11 68 13 00-0978	EA		Handloop Assembly (Landscape Structures® PlayBooster® 111275A).....	353.06	49.85
11 68 13 00-0979	EA		Rail Assembly (Landscape Structures® PlayBooster® 111276A).....	343.78	49.85
11 68 13 00-0980	EA		Log Roll, (1) Steel Post, Tan Log Only (Landscape Structures® PlayBooster® 111356B).....	1,853.44	109.67
11 68 13 00-0981	EA		Chinning Bar, (1) Steel Post (Landscape Structures® PlayBooster® 111357C).....	789.59	89.73
11 68 13 00-0982	EA		Turning Bar, (1) Steel Post (Landscape Structures® PlayBooster® 111357D).....	733.94	89.73
11 68 13 00-0983	EA		Parallel Bars, Without Posts (Landscape Structures® PlayBooster® 111361A).....	953.09	59.82
11 68 13 00-0984	EA		Orbiter Spinner, (Requires Steel Post, Avail. For Direct Bury Only) (Landscape Structures® PlayBooster® 153590A).....	2,561.31	89.73
11 68 13 00-0985	EA		48" Deck, Talk Tubes For PlayOdyssey Pod, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 129079A).....	903.24	29.91
11 68 13 00-0986	EA		72" Deck, Talk Tubes For PlayOdyssey Pod, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 129079B).....	958.90	29.91
11 68 13 00-0987	EA		Ground Level, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363A).....	680.62	29.91
11 68 13 00-0988	EA		16" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363B).....	689.89	29.91
11 68 13 00-0989	EA		24" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363C).....	699.17	29.91
11 68 13 00-0990	EA		32" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363D).....	708.45	29.91
11 68 13 00-0991	EA		40" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363E).....	717.72	29.91
11 68 13 00-0992	EA		48" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363F).....	736.27	29.91
11 68 13 00-0993	EA		56" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363G).....	745.55	29.91
11 68 13 00-0994	EA		64" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363H).....	764.10	29.91
11 68 13 00-0995	EA		72" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363I).....	773.38	29.91
11 68 13 00-0996	EA		Arch Roof, (Excludes Arches) (Landscape Structures® PlayBooster® 111256A).....	1,070.21	29.91
11 68 13 00-0997	EA		Recycled 2x4 Roof (Landscape Structures® PlayBooster® 111260A).....	3,227.99	239.29
11 68 13 00-0998	EA		Recycled Peak Roof (Landscape Structures® PlayBooster® 111408A).....	4,554.46	239.29
11 68 13 00-0999	EA		Hex Shingle Roof (Landscape Structures® PlayBooster® 130567A).....	3,740.51	179.47
11 68 13 00-1000	EA		Square SteelX Roof (Landscape Structures® PlayBooster® 139375A).....	3,990.96	179.47
11 68 13 00-1001	EA		Hex SteelX Roof (Landscape Structures® PlayBooster® 139376A).....	6,229.94	209.37
11 68 13 00-1002	EA		Flag Pole With Permalene Flag (For SteelX Hex Roof Or SteelX Square Roof Only) (Landscape Structures® PlayBooster® 139464A).....	386.69	19.94
11 68 13 00-1003	EA		Full Sail, CoolToppers Shade System (Direct Bury Only) (Landscape Structures® PlayBooster® 136488A).....	15,397.98	717.86
11 68 13 00-1004	EA		Single Post Shade, CoolToppers Shade System (Direct Bury Only) (Landscape Structures® PlayBooster® 154884A).....	5,022.80	598.21
11 68 13 00-1005	EA		PlayOdyssey® Octagonal Deck (Direct Bury Only) 48" Deck With Roof, With Center Access (Landscape Structures® PlayBooster® 128980A).....	26,385.31	1,076.78
11 68 13 00-1006	EA		PlayOdyssey® Octagonal Deck (Direct Bury Only) 48" Deck Without Roof, With Center Access (Landscape Structures® PlayBooster® 128980B).....	20,569.25	1,076.78
11 68 13 00-1007	EA		PlayOdyssey® Octagonal Deck (Direct Bury Only) 48" Deck Without Roof, Without Center Access (Landscape Structures® PlayBooster® 128980C).....	19,446.86	1,076.78
11 68 13 00-1008	EA		PlayOdyssey® Octagonal Deck (Direct Bury Only) 72" Deck With Roof, With Center Access (Landscape Structures® PlayBooster® 128980D).....	26,543.00	1,076.78
11 68 13 00-1009	EA		PlayOdyssey® Octagonal Deck (Direct Bury Only) 72" Deck Without Roof, With Center Access (Landscape Structures® PlayBooster® 128980E).....	20,726.95	1,076.78
11 68 13 00-1010	EA		PlayOdyssey® Octagonal Deck (Direct Bury Only) 72" Deck Without Roof, Without Center Access (Landscape Structures® PlayBooster® 128980F).....	19,613.83	1,076.78
11 68 13 00-1011	EA		Square Tenderdeck, Brown Only (Landscape Structures® PlayBooster® 111228A).....	1,351.96	59.82
11 68 13 00-1012	EA		Square Tenderdeck, Extension, Brown Only (Landscape Structures® PlayBooster® 111229A).....	1,296.30	59.82
11 68 13 00-1013	EA		Square Tenderdeck, Corner, Brown Only (Landscape Structures® PlayBooster® 111230A).....	1,259.20	59.82
11 68 13 00-1014	EA		Triangular Tenderdeck, Brown Only (Landscape Structures® PlayBooster® 111231A).....	1,023.83	29.91
11 68 13 00-1015	EA		Hexagon Tenderdeck, Brown Only (Landscape Structures® PlayBooster® 111232A).....	3,820.51	149.55
11 68 13 00-1016	EA		Triangular Tenderdeck, Extension, Brown Only (Landscape Structures® PlayBooster® 119646A).....	1,011.66	49.85
11 68 13 00-1017	EA		90 Degree Triangular Tenderdeck, Brown Only (Landscape Structures® PlayBooster® 122197A).....	1,088.76	29.91
11 68 13 00-1018	EA		Transfer Step, Brown Only (Landscape Structures® PlayBooster® 112471A).....	758.30	59.82
11 68 13 00-1019	EA		24" Rise Kick Panel, 2-Color Permalene, With 2-Clamps (Landscape Structures® PlayBooster® 111525A).....	612.79	49.85
11 68 13 00-1020	EA		32" Rise Kick Panel, 2-Color Permalene, With 2-Clamps (Landscape Structures® PlayBooster® 111525B).....	761.20	49.85
11 68 13 00-1021	EA		To 32" Deck, Curved, Right Or Left Step, Curved Transfer Module (Landscape Structures® PlayBooster® 152911A).....	3,302.20	239.29
11 68 13 00-1022	EA		To 40" Deck, Curved, Right Or Left Step, Curved Transfer Module (Landscape Structures® PlayBooster® 152911B).....	3,747.45	239.29
11 68 13 00-1023	EA		To 48" Deck, Curved, Right Or Left Step, Curved Transfer Module (Landscape Structures® PlayBooster® 152911C).....	3,932.97	239.29

11 Equipment**11 60 Entertainment and Recreation Equipment****11 68 Play Field Equipment and Structures**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

11 68 13 00-1024	EA	To 32" Deck, Curved, Right Or Left Step, SteelX, Curved Transfer Module (Landscape Structures® PlayBooster® 152912A).....	3,654.69	239.29
11 68 13 00-1025	EA	To 40" Deck, Curved, Right Or Left Step, SteelX, Curved Transfer Module (Landscape Structures® PlayBooster® 152912B).....	4,090.66	239.29
11 68 13 00-1026	EA	To 48" Deck, Curved, Right Or Left Step, SteelX, Curved Transfer Module (Landscape Structures® PlayBooster® 152912C).....	4,248.35	239.29
11 68 13 00-1027	EA	Arch For 72" Deck (Landscape Structures® PlayBooster® 111406A).....	1,945.62	59.82
11 68 13 00-1028	EA	Arch For 56" - 64" Deck (Landscape Structures® PlayBooster® 111406B).....	1,880.69	59.82
11 68 13 00-1029	EA	Arch For 40" - 48" Deck (Landscape Structures® PlayBooster® 111406C).....	1,806.48	59.82
11 68 13 00-1030	EA	Arch For 32" Deck (Landscape Structures® PlayBooster® 111406D).....	1,787.93	59.82
11 68 13 00-1031	EA	Arch/Ground Level (Landscape Structures® PlayBooster® 111406E).....	1,667.34	59.82
11 68 13 00-1032	EA	106"/72" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718J).....	640.62	49.85
11 68 13 00-1033	EA	98"/64" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718K).....	622.06	49.85
11 68 13 00-1034	EA	90"/56" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718L).....	612.79	49.85
11 68 13 00-1035	EA	82"/48" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718M).....	603.51	49.85
11 68 13 00-1036	EA	74"/40" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718N).....	594.24	49.85
11 68 13 00-1037	EA	66"/32" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718O).....	575.68	49.85
11 68 13 00-1038	EA	58"/24" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718P).....	566.41	49.85
11 68 13 00-1039	EA	50"/16" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718Q).....	557.13	49.85
11 68 13 00-1040	EA	42"/8" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718R).....	538.58	49.85
11 68 13 00-1041	EA	106"/72" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405J).....	603.51	49.85
11 68 13 00-1042	EA	98"/64" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405K).....	594.24	49.85
11 68 13 00-1043	EA	90"/56" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405L).....	575.68	49.85
11 68 13 00-1044	EA	82"/48" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405M).....	566.41	49.85
11 68 13 00-1045	EA	74"/40" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405N).....	557.13	49.85
11 68 13 00-1046	EA	66"/32" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405O).....	538.58	49.85
11 68 13 00-1047	EA	58"/24" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405P).....	529.30	49.85
11 68 13 00-1048	EA	50"/16" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405Q).....	520.03	49.85
11 68 13 00-1049	EA	42"/8" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405R).....	510.75	49.85
11 68 13 00-1050	EA	148"/72" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404M).....	476.55	29.91
11 68 13 00-1051	EA	140"/64" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404N).....	793.79	29.91
11 68 13 00-1052	EA	132"/56" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404O).....	439.44	29.91
11 68 13 00-1053	EA	124"/48" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404P).....	430.17	29.91
11 68 13 00-1054	EA	116"/40" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404Q).....	420.89	29.91
11 68 13 00-1055	EA	108"/32" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404R).....	411.61	29.91
11 68 13 00-1056	EA	100"/24" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404S).....	393.06	29.91
11 68 13 00-1057	EA	92"/16" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404T).....	365.23	29.91
11 68 13 00-1058	EA	84"/8" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404U).....	346.68	29.91
11 68 13 00-1059	EA	76"/Ground Level, Posts For Decks (Landscape Structures® PlayBooster® 111404V).....	337.41	29.91
11 68 13 00-1060	EA	156"/80" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404W).....	541.48	29.91
11 68 13 00-1061	EA	182"/96" Deck (44" Bury), Posts For Decks (Landscape Structures® PlayBooster® 111404Z).....	624.96	29.91
11 68 13 00-1062	EA	128"/72" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403K).....	550.75	29.91
11 68 13 00-1063	EA	174"/64" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403L).....	541.48	29.91
11 68 13 00-1064	EA	166"/56" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403M).....	532.20	29.91
11 68 13 00-1065	EA	158"/48" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403N).....	513.65	29.91
11 68 13 00-1066	EA	150"/40" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403O).....	504.37	29.91
11 68 13 00-1067	EA	142"/32" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403P).....	495.10	29.91
11 68 13 00-1068	EA	134"/24" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403Q).....	485.82	29.91
11 68 13 00-1069	EA	126"/16" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403R).....	476.55	29.91
11 68 13 00-1070	EA	118"/8" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403S).....	448.72	29.91
11 68 13 00-1071	EA	110"/Ground Level, Posts For Roofs (Landscape Structures® PlayBooster® 111403T).....	439.44	29.91
11 68 13 00-1072	EA	204"/48" Deck (60" Bury), Posts For CoolToppers, Full Sail (Landscape Structures® PlayBooster® 136689A).....	2,332.64	1,076.78
11 68 13 00-1073	EA	212"/56" Deck (60" Bury), Posts For CoolToppers, Full Sail (Landscape Structures® PlayBooster® 136689B).....	2,341.91	1,076.78
11 68 13 00-1074	EA	220"/64" - 72" Deck (60" Bury), Posts For CoolToppers, Full Sail (Landscape Structures® PlayBooster® 136689C).....	2,360.47	1,076.78
11 68 13 00-1075	EA	264"/64" - 72" Deck (60" Bury), Posts For CoolToppers, Single Post Shade (Landscape Structures® PlayBooster® 154883A).....	2,202.90	598.21
11 68 13 00-1076	EA	248"/48" - 56" Deck (60" Bury), Posts For CoolToppers, Single Post Shade (Landscape Structures® PlayBooster® 154883B).....	2,147.24	598.21
11 68 13 00-1077	EA	232"/32" - 40" Deck (60" Bury), Posts For CoolToppers, Single Post Shade (Landscape Structures® PlayBooster® 154883C).....	2,119.42	598.21
11 68 13 00-1078	EA	220"/16" - 24" Deck (60" Bury), Posts For CoolToppers, Single Post Shade (Landscape Structures® PlayBooster® 154883D).....	1,961.72	598.21
11 68 13 00-1079	EA	200"/Ground Level - 8" Deck (60" Bury), Posts For CoolToppers, Single Post Shade (Landscape Structures® PlayBooster® 154883E).....	1,924.62	598.21
11 68 13 00-1080	EA	Overhead Events Access/Landing Assembly Seat 8" Deck (Landscape Structures® PlayBooster® 141887A).....	726.76	59.82
11 68 13 00-1081	EA	132" Aluminum Posts, End Vertical Ladder (For Use With Ring Bridges) (Landscape Structures® PlayBooster® 116208A).....	1,887.63	119.64
11 68 13 00-1082	EA	Square Poly Roof, Without Logo Panels (Landscape Structures® PlayBooster® 118110B).....	1,627.90	119.64
11 68 13 00-1083	EA	84" Module, Disc Challenge, Max. 40" Decks, With 3 Handhold Panels (Landscape Structures® PlayBooster® 120873B).....	3,948.83	179.47
11 68 13 00-1084	EA	84" Module, Disc Challenge, Max. 40" Decks, With 4 Handhold Panels (Landscape Structures® PlayBooster® 120873C).....	4,130.10	179.47
11 68 13 00-1085	EA	123" Module, Disc Challenge, Max. 40" Decks, With 3 Handhold Panels (Landscape Structures® PlayBooster® 121416B).....	5,574.30	239.29
11 68 13 00-1086	EA	123" Module, Disc Challenge, Max. 40" Decks, With 4 Handhold Panels (Landscape Structures® PlayBooster® 121416C).....	5,203.78	239.29
11 68 13 00-1087	EA	106"/72" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718A).....	730.47	59.82
11 68 13 00-1088	EA	98"/64" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718B).....	702.64	59.82
11 68 13 00-1089	EA	90"/56" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718C).....	674.81	59.82
11 68 13 00-1090	EA	82"/48" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718D).....	665.54	59.82
11 68 13 00-1091	EA	74"/40" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718E).....	597.13	29.91
11 68 13 00-1092	EA	66"/32" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718F).....	578.58	29.91
11 68 13 00-1093	EA	58"/24" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718G).....	550.75	29.91
11 68 13 00-1094	EA	50"/16" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718H).....	541.48	29.91
11 68 13 00-1095	EA	42"/8" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718I).....	532.20	29.91

		Equipment	11
		Entertainment and Recreation Equipment	11 60
		Play Field Equipment and Structures	11 68

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-1096	EA		Square Peak Tile Roof, Without Logo Panels (Landscape Structures® PlayBooster® 129816B).....	1,813.42	119.64
11 68 13 00-1097	EA		32" Decks, Spring Across Bridge With 4 TenderTuff-coated Handloops (Landscape Structures® PlayBooster® 136156B).....	5,947.06	239.29
11 68 13 00-1098	EA		S-Disc Challenge, 123" Module, Disc Challenge, Max. 40" Decks, With 3 Handhold Panels (Landscape Structures® PlayBooster® 136157B).....	5,574.30	239.29
11 68 13 00-1099	EA		S-Disc Challenge, 123" Module, Disc Challenge, Max. 40" Decks, With 4 Handhold Panels (Landscape Structures® PlayBooster® 136157C).....	5,756.35	239.29
11 68 13 00-1100	EA		Hexagon Tenderdeck, With Extension, Brown Only (Landscape Structures® PlayBooster® 154752A).....	5,955.13	239.29
11 68 13 00-1101	EA		The Pinnacle Natural Climber (Landscape Structures® PlayBooster® 156066A).....	27,809.26	717.86
11 68 13 00-1102	EA		The Pointe Natural Climber (Landscape Structures® PlayBooster® 156068A).....	15,704.14	478.57
11 68 13 00-1103	EA		Natural Elements Climber Handholds, Extension Deck And Kick Panel Set, One Set Required Per Associated Deck (Landscape Structures® PlayBooster® 156070A).....	1,379.79	59.82
11 68 13 00-1104	EA		Bridge With Guardrails And Curbs, Bridge Plank Brown Only (Landscape Structures® PlayBooster® 156230A).....	4,918.56	179.47
11 68 13 00-1105	EA		Bridge With Guardrails, Without Curbs, Bridge Plank Brown Only (Landscape Structures® PlayBooster® 156230B).....	4,417.65	179.47
11 68 13 00-1106	EA		Bridge With Barriers, Bridge Plank Brown Only (Landscape Structures® PlayBooster® 156231A).....	5,741.79	239.29
11 68 13 00-1107	EA		Ramp With Guardrails And Curbs, 3-Handrails Per Side (Conforms To ASTM And TUV Standard) (Landscape Structures® PlayBooster® 156232A).....	5,528.44	239.29
11 68 13 00-1108	EA		Ramp With Guardrails, Without Curbs, 3-Handrails Per Side, (Conforms To ASTM And TUV Standard) (Landscape Structures® PlayBooster® 156232B).....	4,937.11	179.47
11 68 13 00-1109	EA		Ramp With Guardrails And Curbs, 2-Handrails Per Side (Conforms To CSA Standard) (Landscape Structures® PlayBooster® 156232C).....	4,695.93	179.47
11 68 13 00-1110	EA		Ramp With Guardrails, Without Curbs, 2-Handrails Per Side, (Conforms To CSA Standard) (Landscape Structures® PlayBooster® 156232D).....	4,195.03	179.47
11 68 13 00-1111	EA		Ramp With Barriers, Ramp Plank Brown Only (Landscape Structures® PlayBooster® 156233A).....	6,789.97	239.29
11 68 13 00-1112	EA		16" Deck, Pod Climber With One Handhold Panel (Landscape Structures® PlayBooster® 156915A).....	730.47	59.82
11 68 13 00-1113	EA		24" Deck, Pod Climber With One Handhold Panel (Landscape Structures® PlayBooster® 156916A).....	1,092.23	59.82
11 68 13 00-1114	EA		24" Deck, Pod Climber With One Handhold Panel, And One Handloop (Landscape Structures® PlayBooster® 156916B).....	1,212.82	59.82
11 68 13 00-1115	EA		32" To 40" Deck, Pod Climber With Two Handhold Panels (Landscape Structures® PlayBooster® 157427A).....	1,822.70	119.64
11 68 13 00-1116	EA		32" To 40" Deck, Pod Climber With Two Handhold Panels, And One Handloop (Landscape Structures® PlayBooster® 157427B).....	1,952.56	119.64
11 68 13 00-1117	EA		32" To 40" Deck, Pod Climber With Two Handhold Panels, And One Handrail (Landscape Structures® PlayBooster® 157427C).....	2,045.32	119.64
11 68 13 00-1118	EA		32" To 40" Deck, Pod Climber With Two Handhold Panels, One Handloop And One Handrail (Landscape Structures® PlayBooster® 157427D).....	2,147.36	119.64
11 68 13 00-1119	EA		Starburst Climber, 64" And 72" Decks, (Direct Bury Only) (Landscape Structures® PlayBooster® 158425A).....	3,081.91	179.47
11 68 13 00-1120	EA		Ring-a-Bell Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 159459A).....	1,952.56	119.64
11 68 13 00-1121	EA		Ring-a-Bell™ Panel For Learning Wall (Landscape Structures® PlayBooster® 159460A).....	1,767.04	119.64
11 68 13 00-1122	EA		Stationary Cyclor, Pedal Assembly, With Grab Bar, Without Post (Landscape Structures® PlayBooster® 160054A).....	1,463.27	59.82
11 68 13 00-1123	EA		Stationary Cyclor, Handle Assembly, Without Post (Landscape Structures® PlayBooster® 160054B).....	1,138.61	59.82
11 68 13 00-1124	EA		Stationary Cyclor, Pedals And Handles, Without Post (Landscape Structures® PlayBooster® 160054C).....	2,147.36	119.64
11 68 13 00-1125	EA		Stationary Cyclor, Handle Assembly, Accessible, Without Post (Landscape Structures® PlayBooster® 160054D).....	1,138.61	59.82
11 68 13 00-1126	EA		(1) Aluminum Post Gyro Twister Spinners (Landscape Structures® PlayBooster® 160251A).....	2,945.10	119.64
11 68 13 00-1127	EA		(1) Steel Post Gyro Twister Spinners (Landscape Structures® PlayBooster® 160251B).....	2,917.27	119.64
11 68 13 00-1128	EA		The Peak Natural Climber, 40" Deck (Landscape Structures® PlayBooster® 160420A).....	9,004.60	299.11
11 68 13 00-1129	EA		The Peak Natural Climber Connector, Connects Between 32" Deck And 40" Deck (Landscape Structures® PlayBooster® 160421A).....	9,477.68	299.11
11 68 13 00-1130	EA		The Stepper Natural Climbing Stone, 24" Deck (Landscape Structures® PlayBooster® 160422A).....	4,788.69	179.47
11 68 13 00-1131	EA		64" - 72" Decks, Escalator Climber With Single Barrier With Infill Permalene Panel (Landscape Structures® PlayBooster® 160693A).....	5,621.20	239.29
11 68 13 00-1132	EA		Single Barrier Handhold Panel With Infill, Permalene, Panel Only (Landscape Structures® PlayBooster® 160694A).....	832.50	59.82
11 68 13 00-1133	EA		Single Connector, 64" - 72" Decks, Escalator Climber Without Posts (Landscape Structures® PlayBooster® 160810A).....	4,853.63	179.47
11 68 13 00-1134	EA		Double Connector, 64" - 72" Decks, Escalator Climber Without Posts (Landscape Structures® PlayBooster® 160811A).....	9,598.27	299.11
11 68 13 00-1135	EA		RingTangle Climber, 24" - 48" Decks (Landscape Structures® PlayBooster® 164078A).....	3,081.91	179.47
11 68 13 00-1136	EA		Bongo Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 164092A).....	1,314.86	59.82
11 68 13 00-1137	EA		Bongo Panel For Learning Wall (Landscape Structures® PlayBooster® 164093A).....	1,184.99	59.82
11 68 13 00-1138	EA		Wheelchair Accessible Bongo Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 164094A).....	1,194.27	59.82
11 68 13 00-1139	EA		Rock-n-Ring Panel, Ground Level Panel (2 Color Permalene) (Landscape Structures® PlayBooster® 164145A).....	2,666.82	119.64
11 68 13 00-1140	EA		Rock-n-Ring™ Panel For Learning Wall (Landscape Structures® PlayBooster® 164146A).....	2,119.53	119.64
11 68 13 00-1141	EA		Bongo Reach Panel For Learning Wall (Landscape Structures® PlayBooster® 164147A).....	1,110.78	59.82
11 68 13 00-1142	EA		Wheelchair Accessible Ring-a-Bell Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 164148A).....	1,296.30	59.82
11 68 13 00-1143	EA		Ring-a-Bell™ Reach Panel For Learning Wall (Landscape Structures® PlayBooster® 164149A).....	1,212.82	59.82
11 68 13 00-1144	Playground Equipment (Landscape Structures® Evos™) (11 68 13 00-0122)				
11 68 13 00-1145	EA		Standard Age-Appropriate Welcome Sign, Ages 5 To 12 (Landscape Structures® Evos™ 158650A).....	1,008.75	59.82
11 68 13 00-1146	EA		Customized Name On Age-Appropriate Welcome Sign, Ages 5 To 12 (Landscape Structures® Evos™ 158651A).....	1,184.99	59.82
11 68 13 00-1147	EA		Slalom Glider (Direct Bury Only) (Landscape Structures® Evos™ 156456A).....	4,538.24	179.47
11 68 13 00-1148	EA		Hang Glider (Direct Bury Only) (Landscape Structures® Evos™ 156465A).....	3,490.05	179.47
11 68 13 00-1149	EA		Helix Net Climber (Direct Bury Only) (Landscape Structures® Evos™ 156449A).....	8,260.83	169.49
11 68 13 00-1150	EA		Crescent Climber (Direct Bury Only) (Landscape Structures® Evos™ 156461A).....	6,363.28	239.29
11 68 13 00-1151	EA		RingTangle Climber With Two E-Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 156462A).....	4,256.48	149.55
11 68 13 00-1152	EA		Web Link Climber (Direct Bury Only) (Landscape Structures® Evos™ 156912A).....	8,814.48	179.47
11 68 13 00-1153	EA		Wobble Pod Bouncer (Direct Bury Only) (Landscape Structures® Evos™ 156452A).....	2,063.88	119.64
11 68 13 00-1154	EA		Gyro Twister Spinner (Direct Bury Only) (Landscape Structures® Evos™ 156459A).....	2,700.45	89.73
11 68 13 00-1155	EA		E-Pod Step (Landscape Structures® Evos™ 156454A).....	423.80	19.94
11 68 13 00-1156	EA		Cycler With E-Pod Step (Direct Bury Only) (Landscape Structures® Evos™ 156467A).....	1,908.52	59.82
11 68 13 00-1157	EA		8" Pod, With One E-Pod Step, Noodle Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 156959A).....	1,382.70	49.85
11 68 13 00-1158	EA		16" Pod, With One E-Pod Step, Noodle Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 156959B).....	1,391.97	49.85
11 68 13 00-1159	EA		24" Pod, With One E-Pod Step, Noodle Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 156959C).....	1,401.25	49.85

11 Equipment**11 60 Entertainment and Recreation Equipment****11 68 Play Field Equipment and Structures**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

11 68 13 00-1160	EA	Swiggle Stix Bridge (Direct Bury Only) (Landscape Structures® Evos™ 156450A)	7,906.56	269.19
11 68 13 00-1161	EA	PodStomper Bridge (Direct Bury Only) (Landscape Structures® Evos™ 156464A)	8,174.43	179.47
11 68 13 00-1162	EA	ArcOver Ladder With Two E-Pod Steps, Overhead Events (Direct Bury Only) (Landscape Structures® Evos™ 156457A)	3,566.59	119.64
11 68 13 00-1163	EA	Bow Ladder With Four E-Pod Steps, Overhead Events (Landscape Structures® Evos™ 156463A)	3,847.20	59.82
11 68 13 00-1164	EA	2-Arch Mainstructure With Hemisphere Climber And O-Zone Climber (Landscape Structures® Evos™ 156436A)	33,560.38	717.86
11 68 13 00-1165	EA	3-Arch Mainstructure, Small (Landscape Structures® Evos™ 157106A)	37,776.23	1,076.78
11 68 13 00-1166	EA	Additional Small Arch For Mainstructure, #3 Only (Landscape Structures® Evos™ 156545A)	4,225.13	358.92
11 68 13 00-1167	EA	16" Pod, With Two E-Pod Steps, Noodle Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 164156A)	1,924.74	119.64
11 68 13 00-1168	EA	24" Pod, With Two E-Pod Steps, Noodle Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 164156B)	1,943.29	119.64
11 68 13 00-1169	EA	Ring-a-Bell Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 164150A)	1,296.30	59.82
11 68 13 00-1170	EA	Bongo Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 164095A)	1,194.27	59.82
11 68 13 00-1171	EA	Noodle Post, 1 Post Only (Direct Bury Only) (Landscape Structures® Evos™ 161774A)	1,018.02	59.82
11 68 13 00-1172	EA	Periscope Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 161775A)	2,110.26	119.64
11 68 13 00-1173	EA	Match 3 Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 161776A)	1,092.23	59.82
11 68 13 00-1174	EA	Chimes Reach Panel (Landscape Structures® Evos™ 161777A)	1,757.77	119.64
11 68 13 00-1175	EA	Trail Tracker Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 161778A)	684.09	59.82
11 68 13 00-1176	EA	Navigator Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 161779A)	943.82	59.82
11 68 13 00-1177	EA	Image Reach Panel, 75 Play Blocks (Landscape Structures® Evos™ 161780A)	1,222.10	59.82
11 68 13 00-1178	EA	Chatter Noodle Talk Tube Kit, Two Noodle Posts And Tubing (Direct Bury Only) (Landscape Structures® Evos™ 156453A)	2,861.61	119.64
11 68 13 00-1179	EA	Blender Spinner (Direct Bury Only) (Landscape Structures® Evos™ 156460A)	3,490.05	179.47
11 68 13 00-1180	EA	BalanceWinder Climber (Direct Bury Only) (Landscape Structures® Evos™ 160252A)	6,205.59	239.29
11 68 13 00-1181	EA	Overhead Explorer Parallel Bar, With (1) E-Pod Step, Overhead Events (Direct Bury Only) (Landscape Structures® Evos™ 160253A)	2,546.23	119.64
11 68 13 00-1182	EA	Overhead Trekker Ladder, With (1) E-Pod Step, Overhead Events (Direct Bury Only) (Landscape Structures® Evos™ 160254A)	2,778.13	119.64
11 68 13 00-1183	EA	3-Arch Mainstructure, Large With Hemisphere Climber And O-Zone Climber (Landscape Structures® Evos™ 160356A)	38,314.25	1,076.78
11 68 13 00-1184	EA	4-Arch Mainstructure With Hemisphere Climber And O-Zone Climber (Landscape Structures® Evos™ 160357A)	41,931.89	1,076.78
11 68 13 00-1185	EA	Additional Large Arch For Mainstructure, #4 Only (Landscape Structures® Evos™ 160358A)	4,445.48	179.47
11 68 13 00-1186	EA	Additional Arches For Mainstructure, #3 And #4 Only (Landscape Structures® Evos™ 160359A)	8,271.80	299.11
11 68 13 00-1187	EA	Power Lifter Chinning Bar (Landscape Structures® Evos™ 160208A)	1,971.12	119.64
11 68 13 00-1188	EA	Accessible Power Lifter Chinning Bar (Landscape Structures® Evos™ 160209A)	2,481.30	119.64
11 68 13 00-1189	EA	TwirlWind Turning Bar (Landscape Structures® Evos™ 160210A)	2,481.30	119.64

11 68 13 00-1190 Playground Equipment (Landscape Structures® Weevos™) (11 68 13 00-0122)

11 68 13 00-1191	EA	Safety Sign, Weevos Welcome Sign, Ages 2 to 5, Direct Bury (Landscape Structures® Weevos™ 164529A)	1,008.75	59.82
11 68 13 00-1192	EA	ChitterChatter Noodle™ Talk Tube Kit (Landscape Structures® Weevos™ 164177A)	2,592.61	119.64

11 68 13 00-1193 Playground Equipment (Landscape Structures® Parts) (11 68 13 00-0122)

11 68 13 00-1194	EA	52-9/16" Long, TenderTuff-Coated Chain, Brown, Full-Bucket Seat (8') (Landscape Structures® 160110A)	103.65	29.91
11 68 13 00-1195	EA	66-15/16" Long, TenderTuff-Coated Chain, Brown, Front Chain for Molded Bucket Seat (8') (Landscape Structures® 160112A)	109.22	29.91
11 68 13 00-1196	EA	Pivot Block Swing Hardware With Bearing For Molded Bucket Seat (Landscape Structures® 160307A)	101.80	29.91
11 68 13 00-1197	EA	Play It Safe Label, 2-5 Years (Landscape Structures® 156845A)	11.83	5.98
11 68 13 00-1198	EA	Play It Safe Label, 2-12 Years (Landscape Structures® 156846A)	11.83	5.98
11 68 13 00-1199	EA	Play It Safe Label, 5-12 Years (Landscape Structures® 156847A)	11.83	5.98
11 68 13 00-1200	EA	Play It Safe Label, 8-12 Years (Landscape Structures® 156848A)	11.83	5.98
11 68 13 00-1201	EA	D-Ring with Stainless Steel Bolt Link, Brown TenderTuff-coated Only (Landscape Structures® 130923A)	163.02	29.91
11 68 13 00-1202	EA	(2) Stainless Steel Double Clevis Swing Hardware With Bolts (Landscape Structures® 132634A)	84.87	11.96
11 68 13 00-1203	EA	(2) Stainless Steel Bolt Links Swing Hardware With Bolts For Use With TenderTuff-Coated Chain (Landscape Structures® 132635A)	51.48	11.96
11 68 13 00-1204	EA	(2) Stainless Steel Bolt Links Swing Hardware With Bolts And Chain Spacers For Use With Uncoated Chain (Landscape Structures® 132672A)	53.33	11.96
11 68 13 00-1205	EA	2-3/8" Pipe, Swing Hangers, Excludes Chain (Landscape Structures® 136065A)	108.41	14.95
11 68 13 00-1206	EA	3-1/2" Pipe, Swing Hangers, Excludes Chain (Landscape Structures® 136066A)	108.41	14.95
11 68 13 00-1207	EA	TenderTuff Repair Kit (Landscape Structures® 136717A)	12.06	
11 68 13 00-1208	EA	Anti-Wrap, 2-3/8" Pipe, Swing Hangers, Excludes Chain (Landscape Structures® 140739A)	143.66	14.95
11 68 13 00-1209	EA	(2) Aluminum Clevis Swing Hardware For Anti-Wrap Hanger With Bolts (Landscape Structures® 141267A)	90.44	11.96
11 68 13 00-1210	EA	65" Long, TenderTuff-Coated Chain, Brown, Half-Bucket Seat (8') (Landscape Structures® 141730A)	107.36	29.91
11 68 13 00-1211	EA	43-3/16" Long, TenderTuff-Coated Chain, Brown, Half-Bucket Seat (6') Toddler Swing (Landscape Structures® 141739A)	97.16	29.91
11 68 13 00-1212	EA	87-13/16" Long, TenderTuff-Coated Chain, Brown, Half-Bucket Seat (10') (Landscape Structures® 141766A)	133.33	29.91
11 68 13 00-1213	EA	29-7/8" Long, TenderTuff-Coated Chain, Brown, Full-Bucket Seat (6') Toddler Swing (Landscape Structures® 152016A)	92.52	29.91
11 68 13 00-1214	EA	49-13/16" Long, TenderTuff-Coated Chain, Brown, Tire Swing, Half-Bucket Seat (7') 2" Arch Swing (Landscape Structures® 152048A)	101.80	29.91
11 68 13 00-1215	EA	67-7/8" Long, TenderTuff-Coated Chain, Brown, Belt Seat (8'), Flat Seat (8') (Landscape Structures® 152050A)	111.07	29.91
11 68 13 00-1216	EA	76-7/16" Long, TenderTuff-Coated Chain, Brown, Full-Bucket Seat (10') (Landscape Structures® 152051A)	120.35	29.91
11 68 13 00-1217	EA	90-11/16" Long, TenderTuff-Coated Chain, Brown, Belt Seat (10'), Flat Seat (10'), 16" Deck Ascending Chain (Landscape Structures® 152052A)	138.90	29.91
11 68 13 00-1218	EA	37-1/2" Long, TenderTuff-Coated Chain, Brown, Full-Bucket Seat (7') 2" Arch Swing (Landscape Structures® 152053A)	95.30	29.91
11 68 13 00-1219	EA	121-1/16" Long, TenderTuff-Coated Chain, Brown, Rear Chain for Molded Bucket Seat (8') (Landscape Structures® 152067A)	161.16	29.91
11 68 13 00-1220	EA	Tire Swing Hanger, Stainless Steel, Excludes Chain, 1997 And Later (Landscape Structures® 121609A)	813.95	59.82
11 68 13 00-1221	EA	Twin Rim Basketball Goal And Chain Net (Landscape Structures® 100080A)	318.85	29.91
11 68 13 00-1222	EA	Twin Rim Basketball Goal And Nylon Net (Landscape Structures® 100081A)	309.58	29.91
11 68 13 00-1223	EA	Nylon Basketball Net (Landscape Structures® 100082A)	50.90	14.95
11 68 13 00-1224	EA	Chain Basketball Net (Landscape Structures® 100083A)	63.89	14.95
11 68 13 00-1225	EA	Basketball Frame Set Only, Moveable (Landscape Structures® 100099A)	1,463.27	59.82
11 68 13 00-1226	EA	Basketball Frame Set Only, Direct Bury (Landscape Structures® 100100A)	1,212.82	59.82
11 68 13 00-1227	EA	Warning Label (Landscape Structures® 115176A)	0.19	

				Equipment	11	
				Entertainment and Recreation Equipment	11 60	≡
				Play Field Equipment and Structures	11 68	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
11 68 13 00-1228	EA		PS Spare Parts Kit (Landscape Structures® 107040A).....	63.08		
11 68 13 00-1229	EA		PB Spare Parts Kit (Landscape Structures® 107043A).....	137.28		
11 68 13 00-1230	EA		Tire With Ring And Hardware, Excludes Chain (Landscape Structures® 107329A).....	795.40	59.82	
11 68 13 00-1231	EA		5" Swing Hanger Clamp Assembly, Complete, Excludes Chain (Landscape Structures® 111418A).....	163.02	29.91	
11 68 13 00-1232	EA		Tire Swing Hanger, Stainless Steel, Excludes Chain, 1996 And Prior (Landscape Structures® 116997A).....	943.82	59.82	
11 68 13 00-1233 Playground Equipment (Landscape Structures® Site Furniture) (11 68 13 00-0122)						
11 68 13 00-1234	EA		60" Recycled Contour Series Bench With Back, Surface Mount (Landscape Structures® 111640A).....	1,575.16	109.67	
11 68 13 00-1235	EA		60" Recycled Contour Series Bench Without Back, Surface Mount (Landscape Structures® 111640B).....	808.15	89.73	
11 68 13 00-1236	EA		60" Recycled Contour Series Bench With Back, Direct Bury (Landscape Structures® 111640C).....	1,380.36	109.67	
11 68 13 00-1237	EA		60" Recycled Contour Series Bench Without Back, Direct Bury (Landscape Structures® 111640D).....	789.59	89.73	
11 68 13 00-1238	EA		96" Recycled Contour Series Bench With Back, Surface Mount (Landscape Structures® 111640E).....	2,270.86	109.67	
11 68 13 00-1239	EA		96" Recycled Contour Series Bench Without Back, Surface Mount (Landscape Structures® 111640F).....	1,058.60	89.73	
11 68 13 00-1240	EA		96" Recycled Contour Series Bench With Back, Direct Bury (Landscape Structures® 111640G).....	1,974.02	109.67	
11 68 13 00-1241	EA		96" Recycled Contour Series Bench Without Back, Direct Bury (Landscape Structures® 111640H).....	1,030.77	89.73	
11 68 13 00-1242	EA		Optional Brown Dome, Litter Receptacle (Landscape Structures® 100095A).....	372.17	89.73	
11 68 13 00-1243	EA		32-Gallon Polyethylene Container, Litter Receptacle (Landscape Structures® 141682A).....	220.05	89.73	
11 68 13 00-1244	EA		Optional Cover for TenderTuff-Coated Litter Receptacle (Landscape Structures® 141686A).....	276.76	79.77	
11 68 13 00-1245	EA		Litter Receptacle With Recycled Polyethylene Slats and Liner, (Direct Bury Only) (Landscape Structures® 100094A).....	984.39	89.73	
11 68 13 00-1246	EA		Litter Receptacle With TenderTuff-Coated Panels and Liner, Direct Bury (Landscape Structures® 141685A).....	848.16	79.77	
11 68 13 00-1247	EA		Litter Receptacle With TenderTuff-Coated Panels and Liner, Surface Mount (Landscape Structures® 141685B).....	848.16	79.77	
11 68 13 00-1248	EA		Loop Rack, Direct Bury, Powdercoated (Landscape Structures® 100102A).....	507.84	59.82	
11 68 13 00-1249	EA		Loop Rack, Direct Bury, TenderTuff-Coated (Landscape Structures® 100102B).....	758.30	59.82	
11 68 13 00-1250	EA		60" Poly Picnic Table, (2) 60" Seats, Moveable (Landscape Structures® 113139A).....	2,474.30	299.11	
11 68 13 00-1251	EA		60" Poly Picnic Table, (1) 60" Seat (2) 14" Seats, Moveable (Landscape Structures® 113139B).....	2,381.54	299.11	
11 68 13 00-1252	EA		60" Poly Picnic Table, (4) 14" Seats, Moveable (Landscape Structures® 113139C).....	2,251.67	299.11	
11 68 13 00-1253	EA		84" Poly Picnic Table, (2) 60" Seats, Moveable (Landscape Structures® 113139D).....	3,095.79	299.11	
11 68 13 00-1254	EA		84" Poly Picnic Table, (1) 60" Seat, (2) 14" Seats, Moveable (Landscape Structures® 113139E).....	2,993.75	299.11	
11 68 13 00-1255	EA		84" Poly Picnic Table, (4) 14" Seats, Moveable (Landscape Structures® 113139F).....	2,854.61	299.11	
11 68 13 00-1256	EA		60" Poly Picnic Table, (2) 60" Seats, Direct Bury (Landscape Structures® 113139G).....	2,594.89	299.11	
11 68 13 00-1257	EA		60" Poly Picnic Table, (1) 60" Seat, (2) 14" Seats, Direct Bury (Landscape Structures® 113139H).....	2,474.30	299.11	
11 68 13 00-1258	EA		60" Poly Picnic Table, (4) 14" Seats, Direct Bury (Landscape Structures® 113139I).....	2,344.43	299.11	
11 68 13 00-1259	EA		84" Poly Picnic Table, (2) 60" Seats, Direct Bury (Landscape Structures® 113139J).....	3,216.38	299.11	
11 68 13 00-1260	EA		84" Poly Picnic Table, (1) 60" Seat, (2) 14" Seats, Direct Bury (Landscape Structures® 113139K).....	3,095.79	299.11	
11 68 13 00-1261	EA		84" Poly Picnic Table, (4) 14" Seats, Direct Bury (Landscape Structures® 113139L).....	2,947.37	299.11	
11 68 13 00-1262	EA		70" Recycled Polyethylene Bench Without Back, 2 x 4 Recycled Polyethylene Slats, Direct Bury (Landscape Structures® 100088A).....	808.15	89.73	
11 68 13 00-1263	EA		70" Recycled Polyethylene Bench Without Back, 2 x 4 Recycled Polyethylene Slats, Surface Mount (Landscape Structures® 100088B).....	891.63	89.73	
11 68 13 00-1264	EA		94" Recycled Polyethylene Bench Without Back, 2 x 4 Recycled Polyethylene Slats, Direct Bury (Landscape Structures® 100088C).....	873.08	89.73	
11 68 13 00-1265	EA		94" Recycled Polyethylene Bench Without Back, 2 x 4 Recycled Polyethylene Slats, Surface Mount (Landscape Structures® 100088D).....	956.56	89.73	
11 68 13 00-1266	EA		70" Recycled Polyethylene Bench With Back, 2 x 4 Recycled Polyethylene Slats, Surface Mount (Landscape Structures® 100088E).....	1,197.74	89.73	
11 68 13 00-1267	EA		70" Recycled Polyethylene Bench With Back, 2 x 4 Recycled Polyethylene Slats, Direct Bury (Landscape Structures® 100088F).....	1,114.25	89.73	
11 68 13 00-1268	EA		94" Recycled Polyethylene Bench With Back, 2 x 4 Recycled Polyethylene Slats, Surface Mount (Landscape Structures® 100088G).....	1,271.95	89.73	
11 68 13 00-1269	EA		94" Recycled Polyethylene Bench With Back, 2 x 4 Recycled Polyethylene Slats, Direct Bury (Landscape Structures® 100088H).....	1,188.46	89.73	
11 68 13 00-1270	EA		Arm Rest, 1 Only, Fits All Benches With Back (Landscape Structures® 114767A).....	167.78	19.94	
11 68 13 00-1271	EA		72", TenderTuff-Coated Steel Bench With Back, Direct Bury (Landscape Structures® 141683A).....	832.50	59.82	
11 68 13 00-1272	EA		72", TenderTuff-Coated Steel Bench With Back, Surface Mount (Landscape Structures® 141683B).....	851.06	59.82	
11 68 13 00-1273	EA		72", TenderTuff-Coated Steel Bench Without Back, Direct Bury (Landscape Structures® 141683C).....	535.67	59.82	
11 68 13 00-1274	EA		72", TenderTuff-Coated Steel Bench Without Back, Surface Mount (Landscape Structures® 141683D).....	563.50	59.82	
11 68 13 00-1275	EA		92", TenderTuff-Coated Steel Bench With Back, Direct Bury (Landscape Structures® 141683E).....	851.06	59.82	
11 68 13 00-1276	EA		92", TenderTuff-Coated Steel Bench With Back, Surface Mount (Landscape Structures® 141683F).....	888.16	59.82	
11 68 13 00-1277	EA		92", TenderTuff-Coated Steel Bench Without Back, Direct Bury (Landscape Structures® 141683G).....	563.50	59.82	
11 68 13 00-1278	EA		92", TenderTuff-Coated Steel Bench Without Back, Surface Mount (Landscape Structures® 141683H).....	600.60	59.82	
11 68 13 00-1279	EA		72" TenderTuff-Coated Picnic Table, (2) 72" Seats, TenderTuff-Coated Steel, Moveable (Landscape Structures® 141684A).....	1,929.35	239.29	
11 68 13 00-1280	EA		72" TenderTuff-Coated Picnic Table, (2) 72" Seats, TenderTuff-Coated Steel, Direct Bury (Landscape Structures® 141684B).....	2,022.11	239.29	
11 68 13 00-1281	EA		92" TenderTuff-Coated Picnic Table, (2) 92" Seats, TenderTuff-Coated Steel, Moveable (Landscape Structures® 141684C).....	2,031.39	239.29	
11 68 13 00-1282	EA		92" TenderTuff-Coated Picnic Table, (2) 92" Seats, TenderTuff-Coated Steel, Direct Bury (Landscape Structures® 141684D).....	2,170.53	239.29	
11 68 13 00-1283	EA		92" TenderTuff-Coated Picnic Table, (2) 72" Seats, TenderTuff-Coated Steel, Moveable (Landscape Structures® 141684E).....	1,985.01	239.29	
11 68 13 00-1284	EA		92" TenderTuff-Coated Picnic Table, (2) 72" Seats, TenderTuff-Coated Steel, Direct Bury (Landscape Structures® 141684F).....	2,096.32	239.29	
11 68 13 00-1285	EA		Square Picnic Table With 4 Seats, TenderTuff-Coated Steel, Movable (Landscape Structures® 154345A).....	1,883.60	49.85	
11 68 13 00-1286	EA		Square Picnic Table With 3 Seats, TenderTuff-Coated Steel, Movable (Landscape Structures® 154345B).....	1,707.36	49.85	
11 68 13 00-1287	EA		Square Picnic Table With 2 Seats, TenderTuff-Coated Steel, Movable (Landscape Structures® 154345C).....	1,558.94	49.85	
11 68 13 00-1288	EA		Kish Valley Grill, (Direct Bury Only) (Landscape Structures® 100101A).....	823.23	59.82	
11 68 13 00-1289	EA		Loop Rack, Surface Mount, Powdercoated (Landscape Structures® 100102C).....	702.64	59.82	
11 68 13 00-1290	EA		Loop Rack, Surface Mount, TenderTuff-Coated (Landscape Structures® 100102D).....	953.09	59.82	
11 68 13 00-1291 Playground Equipment (Little Tikes) (11 68 13)						
11 68 13 00-1292	EA		Little Tykes Playcenter 5.....	15,691.21	1,086.96	

11 Equipment**11 60 Entertainment and Recreation Equipment****11 68 Play Field Equipment and Structures**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**11 68 16 Play Structures ^(11 68)****11 68 16 00-0001****Playground Shade Structures ^(11 68 16)**

Note: Shade Structures, Inc. dba USA Shade & Fabric Structures, exclude custom engineering, architect fees, site survey, temporary fencing, logos, post pads, special equipment (e.g. cranes for limited site access, hydro-excavation for high soil water table), soil removal from site, core drilling for concrete slab on grade, cutting of pavers or specialty finished surfaces including removal of tiles, alternate footing configuration due to site specific geotechnical report requirements, underground utility scan, moving or re-routing of underground utilities, and hard rock subsurface conditions.

11 68 16 00-0002**Single Ridge ^(11 68 16 00-0001)**

Note: Outdoor fabric structure, specified fabric high-density polyethylene (HDPE) Colourshade®.

11 68 16 00-0003	EA	8' x 10' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	24,946.14
11 68 16 00-0004	EA	10' x 10' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	24,994.88
11 68 16 00-0005	EA	9' x 13' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	25,035.35
11 68 16 00-0006	EA	10' x 12' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	26,414.08
11 68 16 00-0007	EA	11' x 17' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	26,454.55
11 68 16 00-0008	EA	10' x 18' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	26,626.48
11 68 16 00-0009	EA	12' x 19' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	28,341.37
11 68 16 00-0010	EA	10' x 20' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	28,667.53
11 68 16 00-0011	EA	10' x 20' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	29,312.16
11 68 16 00-0012	EA	14' x 17' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	32,089.84
11 68 16 00-0013	EA	14' x 17' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	32,813.36
11 68 16 00-0014	EA	12' x 20' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	32,034.59
11 68 16 00-0015	EA	12' x 20' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	32,546.58
11 68 16 00-0016	EA	15' x 20' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	32,034.59
11 68 16 00-0017	EA	15' x 20' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	32,668.90
11 68 16 00-0018	EA	17' x 19' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	32,546.58
11 68 16 00-0019	EA	17' x 19' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	34,514.47
11 68 16 00-0020	EA	18' x 18' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	29,738.47
11 68 16 00-0021	EA	18' x 18' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	30,823.30
11 68 16 00-0022	EA	18' x 19' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	29,931.98
11 68 16 00-0023	EA	18' x 19' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	31,385.82
11 68 16 00-0024	EA	18' x 20' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	30,231.85
11 68 16 00-0025	EA	18' x 20' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	31,877.71
11 68 16 00-0026	EA	20' x 20' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	31,475.63
11 68 16 00-0027	EA	20' x 20' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	32,874.81
11 68 16 00-0028	EA	20' x 21' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	37,384.03
11 68 16 00-0029	EA	20' x 21' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	41,866.38
11 68 16 00-0030	EA	20' x 29' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	38,564.88
11 68 16 00-0031	EA	20' x 29' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	42,476.43
11 68 16 00-0032	EA	18' x 27' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	37,384.03
11 68 16 00-0033	EA	18' x 27' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	38,683.06
11 68 16 00-0034	EA	16' x 29' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	37,585.81
11 68 16 00-0035	EA	16' x 29' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	41,801.37
11 68 16 00-0036	EA	19' x 28' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	37,384.03
11 68 16 00-0037	EA	19' x 28' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	41,801.37
11 68 16 00-0038	EA	20' x 23' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	37,384.03
11 68 16 00-0039	EA	20' x 23' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	41,801.37
11 68 16 00-0040	EA	20' x 29' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	37,384.03
11 68 16 00-0041	EA	20' x 29' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	41,866.38
11 68 16 00-0042	EA	20' x 25' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	37,384.03
11 68 16 00-0043	EA	20' x 25' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	41,866.38
11 68 16 00-0044	EA	20' x 30' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	37,384.03
11 68 16 00-0045	EA	20' x 30' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	42,011.42
11 68 16 00-0046	EA	21' x 29' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	51,461.80
11 68 16 00-0047	EA	21' x 29' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	54,987.82
11 68 16 00-0048	EA	24' x 25' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	50,191.13
11 68 16 00-0049	EA	24' x 25' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	52,646.78
11 68 16 00-0050	EA	23' x 28' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	51,461.80
11 68 16 00-0051	EA	23' x 28' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	53,113.86
11 68 16 00-0052	EA	23' x 30' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	50,191.13
11 68 16 00-0053	EA	23' x 30' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	52,646.78
11 68 16 00-0054	EA	25' x 25' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	50,582.88
11 68 16 00-0055	EA	25' x 25' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	53,232.04
11 68 16 00-0056	EA	25' x 30' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	51,993.88
11 68 16 00-0057	EA	25' x 30' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	53,699.12
11 68 16 00-0058	EA	26' x 27' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	54,169.76
11 68 16 00-0059	EA	26' x 27' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	55,793.46
11 68 16 00-0060	EA	29' x 29' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	54,209.04
11 68 16 00-0061	EA	29' x 29' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	55,793.46
11 68 16 00-0062	EA	30' x 30' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	54,557.95
11 68 16 00-0063	EA	30' x 30' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	56,213.56
11 68 16 00-0064	EA	19' x 36' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	62,849.63
11 68 16 00-0065	EA	19' x 36' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	67,742.32
11 68 16 00-0066	EA	18' x 33' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	62,849.63
11 68 16 00-0067	EA	18' x 33' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	67,742.32
11 68 16 00-0068	EA	17' x 32' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	62,849.63
11 68 16 00-0069	EA	17' x 32' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	67,742.32
11 68 16 00-0070	EA	20' x 40' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	62,849.63
11 68 16 00-0071	EA	20' x 40' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	67,742.32
11 68 16 00-0072	EA	21' x 39' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	65,386.82
11 68 16 00-0073	EA	21' x 39' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	73,564.46
11 68 16 00-0074	EA	24' x 37' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	65,386.82
11 68 16 00-0075	EA	24' x 37' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	73,564.46
11 68 16 00-0076	EA	27' x 38' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	65,386.82

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11 68 16 00-0077	EA	27' x 38' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	73,564.46	
11 68 16 00-0078	EA	24' x 40' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	65,299.08	
11 68 16 00-0079	EA	24' x 40' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	73,244.50	
11 68 16 00-0080	EA	27' x 40' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	65,586.54	
11 68 16 00-0081	EA	27' x 40' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	73,695.05	
11 68 16 00-0082	EA	30' x 40' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	64,001.94	
11 68 16 00-0083	EA	30' x 40' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	73,695.05	

11 68 16 00-0084

Double Ridge (11 68 16 00-0001)

Note: Outdoor fabric structure, specified fabric high-density polyethylene (HDPE) Colourshade®.

11 68 16 00-0085	EA	20' x 40' Double Ridge Shade Structure, 10' Opening Height, 6 Posts	60,769.64	
11 68 16 00-0086	EA	20' x 40' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	62,955.44	
11 68 16 00-0087	EA	20' x 60' Double Ridge Shade Structure, 10' Opening Height, 6 Posts	87,384.60	
11 68 16 00-0088	EA	20' x 60' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	91,044.55	
11 68 16 00-0089	EA	26' x 48' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	91,729.34	
11 68 16 00-0090	EA	25' x 50' Double Ridge Shade Structure, 10' Opening Height, 6 Posts	89,347.66	
11 68 16 00-0091	EA	25' x 50' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	91,729.34	
11 68 16 00-0092	EA	25' x 60' Double Ridge Shade Structure, 10' Opening Height, 6 Posts	89,347.66	
11 68 16 00-0093	EA	25' x 60' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	91,729.34	
11 68 16 00-0094	EA	27' x 38' Double Ridge Shade Structure, 10' Opening Height, 6 Posts	64,481.28	
11 68 16 00-0095	EA	27' x 38' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	71,059.39	
11 68 16 00-0096	EA	30' x 40' Double Ridge Shade Structure, 10' Opening Height, 6 Posts	64,481.28	
11 68 16 00-0097	EA	30' x 40' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	71,059.39	
11 68 16 00-0098	EA	26' x 47' Double Ridge Shade Structure, 10' Opening Height, 6 Posts	89,891.52	
11 68 16 00-0099	EA	26' x 47' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	92,331.10	
11 68 16 00-0100	EA	30' x 50' Double Ridge Shade Structure, 10' Opening Height, 6 Posts	89,891.52	
11 68 16 00-0101	EA	30' x 50' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	92,331.10	
11 68 16 00-0102	EA	28' x 53' Double Ridge Shade Structure, 10' Opening Height, 6 Posts	97,015.58	
11 68 16 00-0103	EA	28' x 53' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	100,601.98	
11 68 16 00-0104	EA	29' x 58' Double Ridge Shade Structure, 10' Opening Height, 6 Posts	95,248.38	
11 68 16 00-0105	EA	29' x 58' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	100,601.98	
11 68 16 00-0106	EA	30' x 60' Double Ridge Shade Structure, 10' Opening Height, 6 Posts	95,248.38	
11 68 16 00-0107	EA	30' x 60' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	100,601.98	
11 68 16 00-0108	EA	27' x 74' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	140,161.95	
11 68 16 00-0109	EA	28' x 59' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	100,601.98	
11 68 16 00-0110	EA	20' x 80' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	144,030.16	
11 68 16 00-0111	EA	30' x 80' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	147,116.13	

11 68 16 00-0112

Interconnected Quad Lineal Ridge (11 68 16 00-0001)

Note: Outdoor fabric structure, specified fabric high-density polyethylene (HDPE) Colourshade®.

11 68 16 00-0113	EA	30' x 160' Quad-Lineal Ridge Shade Structure, 12' Opening Height, 10 Posts	274,127.31	
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11 68 16 00-0114

Quad Ridge (11 68 16 00-0001)

Note: Outdoor fabric structure, specified fabric high-density polyethylene (HDPE) Colourshade®.

11 68 16 00-0115	EA	36' x 36' Quad Ridge Shade Structure, 12' Opening Height, 9 Posts	86,303.06	
11 68 16 00-0116	EA	34' x 39' Quad Ridge Shade Structure, 10' Opening Height, 9 Posts	94,780.14	
11 68 16 00-0117	EA	34' x 39' Quad Ridge Shade Structure, 12' Opening Height, 9 Posts	97,051.92	
11 68 16 00-0118	EA	40' x 40' Quad Ridge Shade Structure, 10' Opening Height, 9 Posts	102,098.87	
11 68 16 00-0119	EA	40' x 40' Quad Ridge Shade Structure, 12' Opening Height, 9 Posts	107,572.70	
11 68 16 00-0120	EA	36' x 54' Quad Ridge Shade Structure, 10' Opening Height, 9 Posts	112,494.39	
11 68 16 00-0121	EA	36' x 54' Quad Ridge Shade Structure, 12' Opening Height, 9 Posts	120,748.73	
11 68 16 00-0122	EA	38' x 55' Quad Ridge Shade Structure, 10' Opening Height, 9 Posts	109,835.99	
11 68 16 00-0123	EA	38' x 55' Quad Ridge Shade Structure, 12' Opening Height, 9 Posts	120,748.73	
11 68 16 00-0124	EA	40' x 50' Quad Ridge Shade Structure, 10' Opening Height, 9 Posts	112,494.39	
11 68 16 00-0125	EA	40' x 50' Quad Ridge Shade Structure, 12' Opening Height, 9 Posts	120,748.73	
11 68 16 00-0126	EA	40' x 60' Quad Ridge Shade Structure, 10' Opening Height, 9 Posts	121,903.81	
11 68 16 00-0127	EA	40' x 60' Quad Ridge Shade Structure, 12' Opening Height, 9 Posts	130,240.86	
11 68 16 00-0128	EA	50' x 50' Quad Ridge Shade Structure, 10' Opening Height, 9 Posts	166,030.09	
11 68 16 00-0129	EA	50' x 50' Quad Ridge Shade Structure, 12' Opening Height, 9 Posts	172,544.96	
11 68 16 00-0130	EA	50' x 60' Quad Ridge Shade Structure, 10' Opening Height, 9 Posts	171,741.16	
11 68 16 00-0131	EA	50' x 60' Quad Ridge Shade Structure, 12' Opening Height, 9 Posts	171,039.30	
11 68 16 00-0132	EA	56' x 59' Quad Ridge Shade Structure, 10' Opening Height, 9 Posts	176,291.95	
11 68 16 00-0133	EA	56' x 59' Quad Ridge Shade Structure, 12' Opening Height, 9 Posts	183,546.55	
11 68 16 00-0134	EA	60' x 60' Quad Ridge Shade Structure, 10' Opening Height, 9 Posts	176,939.98	
11 68 16 00-0135	EA	60' x 60' Quad Ridge Shade Structure, 12' Opening Height, 9 Posts	184,565.89	

11 68 16 00-0136

Peak-Roof Triangle (11 68 16 00-0001)

Note: Outdoor fabric structure, specified fabric high-density polyethylene (HDPE) Colourshade®.

11 68 16 00-0137	EA	30' Peak-Roof Triangle Shade Structure, 12' Opening Height, 3 Posts	47,264.22	
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11 68 16 00-0138

Peak-Roof Hexagon (11 68 16 00-0001)

Note: Outdoor fabric structure, specified fabric high-density polyethylene (HDPE) Colourshade®.

11 68 16 00-0139	EA	38' Peak-Roof Hexagon Shade Structure, 12' Opening Height, 6 Posts	83,021.24	
11 68 16 00-0140	EA	40' Peak-Roof Hexagon Shade Structure, 12' Opening Height, 6 Posts	86,550.62	
11 68 16 00-0141	EA	50' Peak-Roof Hexagon Shade Structure, 12' Opening Height, 7 Posts	144,371.96	
11 68 16 00-0142	EA	52' Peak-Roof Hexagon Shade Structure, 12' Opening Height, 7 Posts	149,428.36	
11 68 16 00-0143	EA	55' Peak-Roof Hexagon Shade Structure, 12' Opening Height, 7 Posts	153,156.55	
11 68 16 00-0144	EA	60' Peak-Roof Hexagon Shade Structure, 12' Opening Height, 7 Posts	157,761.29	

11	11	Equipment
	11 60	Entertainment and Recreation Equipment
	11 68	Play Field Equipment and Structures

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 68 16 00-0145			Free-Form Tri-Sail (11 68 16 00-0001) Note: Outdoor fabric structure, specified fabric high-density polyethylene (HDPE) Colourshade®.		
11 68 16 00-0146	EA		18' Single Free-Form Tri-Sail Shade Structure, 10' And 14' Opening Height, 3 Posts	33,470.77	
11 68 16 00-0147	EA		18' Double Free-Form Tri-Sail Shade Structure, 10' And 14' Opening Height, 4 Posts	44,571.76	
11 68 16 00-0148	EA		18' Triple Free-Form Tri-Sail Shade Structure, 10' And 14' Opening Height, 5 Posts	69,222.77	
11 68 16 00-0149	EA		30' Double Free-Form Tri-Sail Shade Structure, 14' Opening Height, 5 Posts	101,178.76	

11 68 16 00-0150			Free-Form Hypar (11 68 16 00-0001) Note: Outdoor fabric structure, specified fabric high-density polyethylene (HDPE) Colourshade®.		
11 68 16 00-0151	EA		20' x 20' Single 4-Point Sail Shade Structure, Free-Form Hypar, 14' Opening Height, 4 Posts	49,575.28	
11 68 16 00-0152	EA		20' x 40' Double 4-Point Sail Shade Structure, Free-Form Hypar, 14' Opening Height, 6 Posts	62,223.98	
11 68 16 00-0153	EA		30' x 30' Single 4-Point Sail Shade Structure, Free-Form Hypar, 14' Opening Height, 4 Posts	68,040.81	
11 68 16 00-0154	EA		30' x 60' Double 4-Point Sail Shade Structure, Free-Form Hypar, 14' Opening Height, 6 Posts	82,851.38	

11 68 16 00-0155			Mariners (11 68 16 00-0001) Note: Outdoor fabric structure, specified fabric high-density polyethylene (HDPE) Colourshade®.		
11 68 16 00-0156	EA		30' x 30' Single Mariner Shade Structure, 10' Opening Height, 4 Posts	59,964.61	
11 68 16 00-0157	EA		30' x 30' Single Mariner Shade Structure, 12' Opening Height, 4 Posts	65,974.04	
11 68 16 00-0158	EA		30' x 60' Mariner Peak Joined Shade Structure, 10' Opening Height, 6 Posts	87,790.16	
11 68 16 00-0159	EA		30' x 60' Mariner Peak Joined Shade Structure, 12' Opening Height, 6 Posts	93,506.87	
11 68 16 00-0160	EA		60' x 60' Mariner Peak Quad Shade Structure, 10' Opening Height, 9 Posts	135,099.32	
11 68 16 00-0161	EA		60' x 60' Mariner Peak Quad Shade Structure, 12' Opening Height, 9 Posts	138,944.82	

11 68 16 00-0162			Single Post Pyramid (11 68 16 00-0001) Note: Outdoor fabric structure, specified fabric high-density polyethylene (HDPE) Colourshade®.		
11 68 16 00-0163	EA		14' x 14' Single Post Pyramid Shade Structure, 10' Opening Height, 1 Post	20,676.13	
11 68 16 00-0164	EA		14' x 14' Single Post Pyramid Shade Structure, 12' Opening Height, 1 Post	21,238.61	

11 68 16 00-0165			Tri-Truss Cantilevers (11 68 16 00-0001) Note: Outdoor fabric structure, specified fabric high-density polyethylene (HDPE) Colourshade®.		
11 68 16 00-0166	EA		20' x 30' Tri-Truss Rigid Single Wide Shade Structure, 10' Opening Height, 2 Posts	74,379.63	
11 68 16 00-0167	EA		20' x 30' Tri-Truss Rigid Single Wide Shade Structure, 12' Opening Height, 2 Posts	78,681.83	
11 68 16 00-0168	EA		30' x 40' Tri-Truss Rigid Single Wide Joined Shade Structure, 10' Opening Height, 3 Posts	111,033.85	
11 68 16 00-0169	EA		30' x 40' Tri-Truss Rigid Single Wide Joined Shade Structure, 12' Opening Height, 3 Posts	113,659.83	

11 68 16 00-0170			Full Cantilevers (11 68 16 00-0001) Note: Outdoor fabric structure, specified fabric high-density polyethylene (HDPE) Colourshade®.		
11 68 16 00-0171	EA		20' x 30' Full Cantilever Rigid Single Shade Structure, 10' Opening Height, 2 Posts	66,458.82	
11 68 16 00-0172	EA		20' x 60' Full Cantilever Rigid Joined Shade Structure, 12' Opening Height, 3 Posts	99,526.65	

11 68 16 00-0173			Hip Roof (11 68 16 00-0001) Note: Outdoor weatherproof fabric structure, specified fabric high-density polyethylene (HDPE) Colourshade®.		
11 68 16 00-0174	EA		20' x 30' Single Rigid Hip Roof Shade Structure, 20 vSnowload, 10' Opening Height, 4 Posts	45,330.12	
11 68 16 00-0175	EA		20' x 30' Single Rigid Hip Roof Shade Structure, 20 Lb. Snowload, 12' Opening Height, 4 Posts	50,779.12	

11 68 16 00-0176			Hip Roof (11 68 16 00-0001) Note: Outdoor weatherproof fabric structure (Specified Fabric PVC).		
11 68 16 00-0177	EA		30' x 30' Weather Protector Hip Roof Shade Structure, 10' Opening Height, 4 Posts	97,166.84	
11 68 16 00-0178	EA		30' x 30' Weather Protector Hip Roof Shade Structure, 12' Opening Height, 4 Posts	104,634.08	
11 68 16 00-0179	EA		30' x 60' Weather Protector Joined Hip Roof Shade Structure, 10' Opening Height, 6 Posts	183,144.65	
11 68 16 00-0180	EA		30' x 60' Weather Protector Joined Hip Roof Shade Structure, 12' Opening Height, 6 Posts	193,607.53	

11 68 16 00-0181			Additional Items (11 68 16 00-0001)		
11 68 16 00-0182	EA		Concrete Cutting for Playground Shade Structure, Per Core	233.17	
11 68 16 00-0183	HR		Overtime Wage For Playground Shade Structure, Per Man Hour (First Shift)	107.00	
11 68 16 00-0184	HR		Overtime Wage Or "Late Start" Shift For Playground Shade Structure, Per Man Hour (Second Shift)	131.00	
11 68 16 00-0185	EA		Intumescent Paint Per Column	3,890.40	

11 68 23 Exterior Court Athletic Equipment (11 68)

11 68 23 13 Exterior Basketball Equipment (11 68 23)

11 68 23 13-0001			Basketball Components (11 68 23 13)		
11 68 23 13-0002	EA		Anti-Whip, Nylon Cord Basketball Net (Porter Athletic 09608-120)	33.54	9.02
11 68 23 13-0003	EA		Chain Basketball Net (Porter Athletic 00161-000)	60.89	9.02
11 68 23 13-0004	EA		Heavy-Duty Goal Ring (Porter Athletic 00235-000)	139.70	45.08
11 68 23 13-0005	EA		Goal Ring For Steel Net (Porter Athletic 00251-H00)	256.25	20.29
11 68 23 13-0006	EA		42" x 72" Rectangular Fully Tempered Glass Basketball Backboard With Steel Frame (Porter Athletic 00204-000)	1,496.63	38.31
			Note: Includes perimeter and target markings. Excludes pole and goal.		
11 68 23 13-0007	EA		42" x 72" Rectangular 11 Gauge Perforated Steel Basketball Backboard (Porter Athletic 01207-300)	1,925.33	38.31
			Note: Includes perimeter and target markings. Excludes pole and goal.		
11 68 23 13-0008	EA		54" x 39" Fan Shaped Cast Aluminum Basketball Backboard (Porter Athletic 00234-300)	978.54	33.81
			Note: Includes perimeter and target markings. Excludes pole and goal.		
11 68 23 13-0009	EA		54" x 39" Fan Shaped Fiberglass Basketball Backboard (Porter Athletic 00267-000)	1,071.04	33.81
			Note: Includes perimeter and target markings. Excludes pole and goal.		

		Equipment	11
		Entertainment and Recreation Equipment	11 60
		Play Field Equipment and Structures	11 68

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST

11 68 23 13-0010			Basketball Systems (11 68 23 13) See CSI section 32 31 13 13-0001 for auguring holes and concrete.		
11 68 23 13-0011	EA		4-1/2" Bent Post Galvanized Steel Pole With 4' Extension, Aluminum Backboard, Double Rim Goal And Steel Net Basketball System (Sportsplay 541-616).....	2,446.23	256.77
11 68 23 13-0012	EA		5-9/16" Bent Post Galvanized Steel Pole With 6' Extension Style, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System (Porter Athletic 00176-230)	4,409.48	282.45
			<i>For Fan Shaped Fiberglass Backboard, Deduct</i>	-133.00	
			<i>For 42" x 72" Perforated Steel Backboard, Add</i>	350.00	
11 68 23 13-0013	EA		4-1/2" Galvanized Steel Pole With 4' Extension, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System (Porter Athletic 00164-230)	2,822.29	256.77
			<i>For Fan Shaped Fiberglass Backboard, Deduct</i>	-133.00	
			<i>For 42" x 72" Perforated Steel Backboard, Add</i>	350.00	
11 68 23 13-0014	EA		5-9/16" Galvanized Steel Pole With 6' Extension, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System (Porter Athletic 00166-230)	4,409.48	282.45
			<i>For Fan Shaped Fiberglass Backboard, Deduct</i>	-133.00	
			<i>For 42" x 72" Perforated Steel Backboard, Add</i>	350.00	
11 68 23 13-0015	EA		Back To Back 6" Galvanized Steel Pole With 5' Extensions, Aluminum Backboards, Double Rim Goals And Nylon Net Double Basketball System (Porter Athletic 195582)	7,932.95	415.36
			<i>For Fan Shaped Fiberglass Backboard, Deduct</i>	-498.00	
			<i>For 42" x 72" Perforated Steel Backboard, Add</i>	700.00	

11 68 23 33 Tennis Equipment (11 68 23)

11 68 23 33-0001			Tennis Court Net Posts (11 68 23 33)		
11 68 23 33-0002	PR		Round, Powder Coated Steel, Tennis Court Net Posts With External Winder	1,141.44	153.28
11 68 23 33-0003	PR		Round, Powder Coated Steel, Tennis Court Net Posts With Internal Brass Winder	1,460.65	153.28
11 68 23 33-0004	PR		Square, Powder Coated Steel, Tennis Court Net Posts With Internal Brass Winder	1,513.85	153.28
11 68 23 33-0005	PR		Round, Powder Coated Aluminum, Tennis Court Net Posts With External Winder	1,605.86	153.28
11 68 23 33-0006	PR		Round, Powder Coated Aluminum, Tennis Court Net Posts With Internal Winder	1,933.44	153.28
11 68 23 33-0007	PR		Polyvinyl Chloride (PVC) Ground Sleeves For Tennis Court Net Posts	284.08	
11 68 23 33-0008	PR		Galvanized Steel Ground Sleeves For Tennis Court Net Posts	323.84	
11 68 23 33-0009	PR		Round, Powder Coated Steel, Tennis Court Net Posts With External Winder (Porter 00865-200/300)	2,500.90	153.28
			Note: Includes ground sleeves.		
11 68 23 33-0010	EA		Round, Powder Coated Steel, Tennis Court Net Posts With External Winder (Porter 00865-200/300)	1,326.27	76.64
			Note: (Single Post) Includes ground sleeve.		

11 68 23 33-0011			Tennis Court Nets (11 68 23 33)		
11 68 23 33-0012	EA		42' Length, Single Top, Vinyl Headband, Polyethylene Net Body, Tennis Court Net	625.48	151.48
11 68 23 33-0013	EA		42' Length, Double Top, Vinyl Headband, Polyethylene Net Body, Tennis Court Net	688.96	151.48
11 68 23 33-0014	EA		42' Length, Anti-Vandal, Aluminum Coated Flexible Steel Mesh, Tennis Court Net	1,503.13	233.08
11 68 23 33-0015	EA		Galvanized Steel Anchor For Tennis Court Net Center Strap	80.34	

11 68 33 Athletic Field Equipment (11 68)

11 68 33 13 Football Field Equipment (11 68 33)

11 68 33 13-0001			Football Goal Posts (11 68 33 13) Note: Includes augering for post(s), set in concrete and backfill.		
11 68 33 13-0002	PR		Double Steel Football Goal Posts, "H Shape"	5,795.06	405.65
11 68 33 13-0003	PR		Vertical Style Goal Post, Single In Ground Mounting, Steel With 20' Uprights	8,428.88	630.23
11 68 33 13-0004	PR		Gooseneck (Offset) Style Goal Post, Single In Ground Mounting, Steel, With 20' Uprights	10,063.85	756.28

11 68 33 23 Soccer and Field Hockey Equipment (11 68 33)

11 68 33 23-0001			Soccer Goal Posts (11 68 33 23) Note: Includes augering for post(s), set in concrete and backfill.		
11 68 33 23-0002	PR		Regulation Soccer Goal Posts	4,981.01	270.50
11 68 33 23-0003	PR		Combination Football/Soccer Goal Post	5,980.71	405.65
11 68 33 23-0004	PR		Portable Soccer Goal, Porter #477	7,900.67	270.50
11 68 33 23-0005	PR		Soccer Net, Porter #491-824	493.00	22.54
11 68 33 23-0006	PR		Field Hockey Goal With Net, Porter #260	6,966.19	180.33
11 68 33 23-0007	PR		Lacrosse Goal With Net, Porter #261	3,136.43	180.33

11 68 33 33 Baseball Field Equipment (11 68 33)

11 68 33 33-0001			Bases (11 68 33 33)		
11 68 33 33-0002	SET		Bases For Baseball Or Softball	611.13	

11 80 Facility Maintenance and Operation Equipment (11)

11 81 Maintenance Equipment (11 80)

11 81 29 Facility Fall Protection (11 81)

11 81 29 00-0001			Safety And Tie-Back Anchors (11 81 29) Note: One cut sheet charge required per manufacturer order. Excludes flashing and testing by engineer after installation.		
11 81 29 00-0002			Roof Mounted, Safety And Tie-Back Anchors (11 81 29 00-0001) Note: Includes up to 10" high, 0.216" thick hollow structural section tube, 1018 steel forged pad eye, 8" x 8" x 1/2" base plate and hot-dipped galvanized finish.		

11	11 Equipment
	11 80 Facility Maintenance and Operation Equipment
	11 81 Maintenance Equipment

MINOR		DESCRIPTION	TOTAL DIRECT		DEMOLITION
CSI	UOM		UNIT COST	UNIT COST	
11 81 29 00-0003	EA	Up To 10" High, 0.216" Thick, Hollow Structural Section Tube, 1018 Steel Forged Pad Eye, 8" x 8" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Mechanically Fastened, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor).....	829.86		96.29
		Note: Includes drilling in concrete, anchor bolts and bottom plate or plates.			
		For Stainless Steel Pad Eye, Add	40.00		
		For Foam Insulation Filled HSS Tube, Add	10.00		
11 81 29 00-0004	EA	Up To 10" High, 0.216" Thick, Hollow Structural Section Tube, 1018 Steel Forged Pad Eye, 8" x 8" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Epoxy Fastened, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor).....	712.41		96.29
		Note: Includes drilling in concrete and adhesive anchor systems.			
		For Stainless Steel Pad Eye, Add	40.00		
		For Foam Insulation Filled HSS Tube, Add	10.00		
11 81 29 00-0005	EA	Up To 10" High, 0.216" Thick, Hollow Structural Section Tube, 1018 Steel Forged Pad Eye, 8" x 8" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Welded In Place, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor).....	502.50		81.74
		For Stainless Steel Pad Eye, Add	40.00		
		For Foam Insulation Filled HSS Tube, Add	10.00		
11 81 29 00-0006		Wall Mounted, Safety And Tie-Back Anchor (11 81 29 00-0001)			
		Note: Includes 1018 steel forged pad eye, 10" x 4" x 1/2" base plate and hot-dipped galvanized finish.			
11 81 29 00-0007	EA	Steel Forged Pad Eye (1018), 10" x 4" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Mechanically Fastened, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor).....	585.85		96.29
		Note: Includes drilling in concrete, anchor bolts and bottom plate or plates.			
		For Stainless Steel Pad Eye, Add	40.00		
11 81 29 00-0008	EA	Steel Forged Pad Eye (1018), 10" x 4" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Epoxy Fastened, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor).....	528.67		96.29
		Note: Includes drilling in concrete and adhesive anchor systems.			
		For Stainless Steel Pad Eye, Add	40.00		
11 81 29 00-0009	EA	Steel Forged Pad Eye (1018), 10" x 4" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Welded In Place, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor).....	439.71		81.74
		For Stainless Steel Pad Eye, Add	40.00		
11 81 29 00-0010		Safety And Tie-Back Anchor Accessories (11 81 29 00-0001)			
11 81 29 00-0011	EA	Mandatory Cut Sheets For Safety And Tie-Back Anchors (Summit Anchor).....	456.60		
		Note: One cut sheet required per order.			
11 81 29 00-0012		Ladder Safety And Fall Protection (11 81 29)			
11 81 29 00-0013	EA	Galvanized Standard Top Bracket With Mounting Hardware (Captial Safety Group-USA Lad-Saf™ 6116280).....	304.28		18.03
11 81 29 00-0014	EA	Galvanized 1x7 Cable, 3/8" 24' Long (Captial Safety Group-USA Lad-Saf™ 6110024).....	46.11		2.62
11 81 29 00-0015	EA	Galvanized 1x7 Cable, 3/8" 30' Long (Captial Safety Group-USA Lad-Saf™ 6110030).....	57.64		6.56
11 81 29 00-0016	EA	Galvanized 1x7 Cable, 3/8" 40' Long (Captial Safety Group-USA Lad-Saf™ 6110040).....	76.85		4.37
11 81 29 00-0017	EA	Galvanized 1x7 Cable, 3/8" 50' Long (Captial Safety Group-USA Lad-Saf™ 6110050).....	96.06		5.47
11 81 29 00-0018	EA	Non-metallic Cable Guide With Mounting Hardware (Captial Safety Group-USA Lad-Saf™ 6110400).....	62.88		4.10
11 81 29 00-0019	EA	Flexible Cable Sleeve (Captial Safety Group-USA Lad-Saf™ 6160054).....	593.78		10.93
11 81 29 00-0020	EA	Galvanized Standard Bottom Bracket (Captial Safety Group-USA Lad-Saf™ 6100090).....	138.98		10.82
11 81 29 00-0021		Fall-Arrest Systems (11 81 29)			
11 81 29 00-0022		Horizontal (11 81 29 00-0021)			
11 81 29 00-0023	LF	Trolley Rail Fall Arrest System.....	782.88		51.70
		Note: Price per LF of trolley rail. Includes engineering, certification, design, fabrication, delivery, installation, training materials, equipment and five year warranty.			
11 81 29 00-0024		Anchor Points (11 81 29 00-0021)			
11 81 29 00-0025	EA	Roof Anchor, 16" x 16" Base With 12" High Post.....	676.69		
		Note: Guardian CD-12 series			
11 81 29 00-0026	EA	Roof Anchor, 12" x 12" Base With 18" High Post.....	790.45		
		Note: Guardian CD-18 series			
11 81 29 00-0027	EA	Bolt On Roof Anchor.....	302.52		
		Note: Guardian CD-1-B series			
11 81 29 00-0028	EA	Fall Arrest Anchor Attachment To 2" x 8" Stud.....	145.23		
		Note: Super Anchor ARS 2x8			
11 81 29 00-0029	EA	Fall Arrest Anchor Attachment To 2" x 12" Stud.....	168.92		
		Note: Super Anchor ARS 2x12			
11 82 Facility Solid Waste Handling Equipment (11 80)					
11 82 19 Packaged Incinerators (11 82)					
11 82 19 00-0001 Electric Incinerator (11 82 19)					
11 82 19 00-0002	EA	Electric Package Incinerator, 100 Lb./Hour.....	48,148.94		1,086.27
11 82 19 00-0003	EA	Electric Package Incinerator, 400 Lb./Hour.....	98,540.35		2,172.56
11 82 19 00-0004	EA	Electric Package Incinerator, 1,000 Lb./Hour.....	334,882.42		3,258.83
11 82 19 00-0005 Medical Waste Incinerator (11 82 19)					
11 82 19 00-0006	EA	Medical Waste Incinerator, 25 Lb./Hour Size 2'-7" x 4'-0".....	25,738.60		2,172.56
11 82 19 00-0007	EA	Medical Waste Incinerator, 50 Lb./Hour Size 2'-11" x 4'-11".....	50,136.43		2,172.56
11 82 19 00-0008	EA	Medical Waste Incinerator, 75 Lb./Hour Size 3'-8" x 5'-0".....	67,405.31		4,345.10
11 82 19 00-0009	EA	Medium Waste Incinerator, 100 Lb./Hour Size 3'-8" x 6'-0".....	99,439.87		4,345.10

		Equipment	11	11
		Facility Maintenance and Operation Equipment	11 80	
		Facility Solid Waste Handling Equipment	11 82	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 82 26 Facility Waste Compactors (11 82)

11 82 26 00-0001 Waste Compactors (11 82 26)

11 82 26 00-0002 110 Volt Compactors (11 82 26 00-0001)

11 82 26 00-0003	EA	Waste Compactor, 110 Volt At 75 Lb./Hour.....	26,232.20	580.03
11 82 26 00-0004	EA	Waste Compactor, 110 Volt At 250 Lb./Hour.....	32,685.66	1,392.05

11 82 26 00-0005 230 Volt Compactors (11 82 26 00-0001)

11 82 26 00-0006	EA	Waste Compactor, 230 Volt At 600 Lb./Hour Hand Fed	32,371.11	1,856.07
11 82 26 00-0007	EA	Waste Compactor, 230 Volt At 600 Lb./Hour Chute Fed	36,313.37	2,436.09

END OF SECTION 11

11	11	Equipment
	11 80	Facility Maintenance and Operation Equipment
	11 82	Facility Solid Waste Handling Equipment



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST

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		Furnishings	12	12
		Operation and Maintenance of Furnishings	12 01	
		Operation and Maintenance of Multiple Seating	12 01 60	
MINOR	DESCRIPTION	TOTAL DIRECT	DEMOLITION	
CSI	UOM	UNIT COST	UNIT COST	

12 Furnishings

12 01 Operation and Maintenance of Furnishings ⁽¹²⁾

12 01 60 Operation and Maintenance of Multiple Seating ^(12 01)

12 01 60 00-0001	Repair Fixed Auditorium Seating ^(12 01 60)		
12 01 60 00-0002	EA Removal And Replacement Of Hardwood/Plywood Auditorium Seat Part.....	203.66	
12 01 60 00-0003	EA Removal And Replacement Of Auditorium Seat Armrest Part.....	94.57	
12 01 60 00-0004	EA Removal And Replacement Of End Armrest Part.....	132.01	
12 01 60 00-0005	EA Removal And Replacement Of Auditorium Seat Kick Plate Part.....	152.34	
12 01 60 00-0006	EA Removal And Replacement Of Auditorium Seat Long Back Part.....	247.35	
12 01 60 00-0007	EA Removal And Replacement Of Auditorium Seat Center Standard Part	200.62	
12 01 60 00-0008	EA Removal And Replacement Of Auditorium Seat Back Bracket Part	74.72	
12 01 60 00-0009	EA Removal And Replacement Of Auditorium Seat Bracket Part	79.24	
12 01 60 00-0010	EA Secure Seat To Floor.....	75.32	
12 01 60 00-0011	EA Removal And Reinstallation Of Existing Auditorium Seat In Concrete Floor	82.13	
	Note: Includes drilling and fasteners.		
	For Epoxy Anchoring, Add	26.58	
	For Expansion Anchor Mounting With Anchor Caps, Add	29.58	
	For Epoxy Anchor Mounting With Anchor Caps, Add	35.78	
12 01 60 00-0012	EA Reupholster Auditorium Seat And Back.....	230.69	
	Note: Includes removal of existing upholstery.		

12 20 Window Treatments ⁽¹²⁾

12 21 Window Blinds ^(12 20)

12 21 13 Horizontal Louver Blinds ^(12 21)

Note: Includes head rail, brackets, cords and all hardware.

12 21 13 13 Metal Horizontal Louver Blinds ^(12 21 13)

12 21 13 13-0001	Aluminum Horizontal Louver Blinds ^(12 21 13 13)		
12 21 13 13-0002	SF 1/2" x 0.006" Slats, Aluminum Horizontal Louver Blinds.....	12.44	1.05
12 21 13 13-0003	SF 1" x 0.006" Slats, Aluminum Horizontal Louver Blinds.....	10.20	1.05
12 21 13 13-0004	SF 1" x 0.008" Slats, Aluminum Horizontal Louver Blinds.....	11.06	1.05
12 21 13 13-0005	SF 2" x 0.008" Slats, Aluminum Horizontal Louver Blinds.....	12.78	1.05

12 21 13 33 Plastic Horizontal Louver Blinds ^(12 21 13)

12 21 13 33-0001	Vinyl Horizontal Louver Blinds ^(12 21 13 33)		
12 21 13 33-0002	SF 1" Slats, Vinyl Horizontal Louver Blinds.....	10.54	1.05
12 21 13 33-0003	SF 2" Slats, Vinyl Horizontal Louver Blinds.....	12.18	1.05

12 21 16 Vertical Louver Blinds ^(12 21)

Note: Includes head rail, brackets, cords and all hardware.

12 21 16 13 Metal Vertical Louver Blinds ^(12 21 16)

12 21 16 13-0001	Aluminum Vertical Louver Blinds ^(12 21 16 13)		
12 21 16 13-0002	SF 3-1/2" x 0.008" Slats, Aluminum Vertical Louver Blinds.....	14.58	2.22

12 21 16 33 Plastic Vertical Louver Blinds ^(12 21 16)

12 21 16 33-0001	Vinyl Vertical Louver Blinds ^(12 21 16 33)		
12 21 16 33-0002	SF 2" Slats, Vinyl Vertical Louver Blinds	9.49	2.22
12 21 16 33-0003	SF 3-1/2" Slats, Vinyl Vertical Louver Blinds	13.20	2.22

12 22 Curtains and Drapes ^(12 20)

12 22 13 Draperies ^(12 22)

12 22 13 00-0001 Lined Draperies ^(12 22 13)

Note: Width dimensions are the panel width at top excluding returns and overlaps.

12 22 13 00-0002 Up To 48" Wide Lined Draperies ^(12 22 13 00-0001)

12 22 13 00-0003	EA Up To 39" Long, Up To 48" Wide Lined Draperies	414.73	16.05
12 22 13 00-0004	EA >39" To 63" Long, Up To 48" Wide Lined Draperies.....	431.93	16.05
12 22 13 00-0005	EA >63" To 72" Long, Up To 48" Wide Lined Draperies.....	459.87	16.05
12 22 13 00-0006	EA >72" To 81" Long, Up To 48" Wide Lined Draperies.....	470.62	16.05
12 22 13 00-0007	EA >81" To 90" Long, Up To 48" Wide Lined Draperies.....	496.42	16.05
12 22 13 00-0008	EA >90" To 99" Long, Up To 48" Wide Lined Draperies.....	530.81	16.05
12 22 13 00-0009	EA >99" To 108" Long, Up To 48" Wide Lined Draperies.....	552.31	16.05
12 22 13 00-0010	EA >108" To 120" Long, Up To 48" Wide Lined Draperies.....	582.40	16.05
12 22 13 00-0011	EA >120" To 130" Long, Up To 48" Wide Lined Draperies.....	629.70	16.05

12 22 13 00-0012 >48" To 72" Wide Lined Draperies ^(12 22 13 00-0001)

12 Furnishings
12 20 Window Treatments
12 22 Curtains and Drapes

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

12 22 13 00-0013	EA	Up To 39" Long, >48" To 72" Wide Lined Draperies.....	602.56	21.83
12 22 13 00-0014	EA	>39" To 63" Long, >48" To 72" Wide Lined Draperies.....	641.26	21.83
12 22 13 00-0015	EA	>63" To 72" Long, >48" To 72" Wide Lined Draperies.....	671.35	21.83
12 22 13 00-0016	EA	>72" To 81" Long, >48" To 72" Wide Lined Draperies.....	697.15	21.83
12 22 13 00-0017	EA	>81" To 90" Long, >48" To 72" Wide Lined Draperies.....	757.34	21.83
12 22 13 00-0018	EA	>90" To 99" Long, >48" To 72" Wide Lined Draperies.....	787.43	21.83
12 22 13 00-0019	EA	>99" To 108" Long, >48" To 72" Wide Lined Draperies.....	813.23	21.83
12 22 13 00-0020	EA	>108" To 120" Long, >48" To 72" Wide Lined Draperies.....	869.12	21.83
12 22 13 00-0021	EA	>120" To 130" Long, >48" To 72" Wide Lined Draperies.....	929.31	21.83

12 22 13 00-0022 >72" To 96" Wide Lined Draperies (12 22 13 00-0001)

12 22 13 00-0023	EA	Up To 39" Long, >72" To 96" Wide Lined Draperies.....	798.99	27.61
12 22 13 00-0024	EA	>39" To 63" Long, >72" To 96" Wide Lined Draperies.....	854.89	27.61
12 22 13 00-0025	EA	>63" To 72" Long, >72" To 96" Wide Lined Draperies.....	880.68	27.61
12 22 13 00-0026	EA	>72" To 81" Long, >72" To 96" Wide Lined Draperies.....	940.87	27.61
12 22 13 00-0027	EA	>81" To 90" Long, >72" To 96" Wide Lined Draperies.....	996.76	27.61
12 22 13 00-0028	EA	>90" To 99" Long, >72" To 96" Wide Lined Draperies.....	1,052.65	27.61
12 22 13 00-0029	EA	>99" To 108" Long, >72" To 96" Wide Lined Draperies.....	1,082.75	27.61
12 22 13 00-0030	EA	>108" To 120" Long, >72" To 96" Wide Lined Draperies.....	1,142.94	27.61
12 22 13 00-0031	EA	>120" To 130" Long, >72" To 96" Wide Lined Draperies.....	1,224.63	27.61

12 22 13 00-0032 >96" To 120" Wide Lined Draperies (12 22 13 00-0001)

12 22 13 00-0033	EA	Up To 39" Long, >96" To 120" Wide Lined Draperies.....	1,008.31	33.38
12 22 13 00-0034	EA	>39" To 63" Long, >96" To 120" Wide Lined Draperies.....	1,064.20	33.38
12 22 13 00-0035	EA	>63" To 72" Long, >96" To 120" Wide Lined Draperies.....	1,094.30	33.38
12 22 13 00-0036	EA	>72" To 81" Long, >96" To 120" Wide Lined Draperies.....	1,180.28	33.38
12 22 13 00-0037	EA	>81" To 90" Long, >96" To 120" Wide Lined Draperies.....	1,236.18	33.38
12 22 13 00-0038	EA	>90" To 99" Long, >96" To 120" Wide Lined Draperies.....	1,296.37	33.38
12 22 13 00-0039	EA	>99" To 108" Long, >96" To 120" Wide Lined Draperies.....	1,502.01	33.38
12 22 13 00-0040	EA	>108" To 120" Long, >96" To 120" Wide Lined Draperies.....	1,442.54	33.38
12 22 13 00-0041	EA	>120" To 130" Long, >96" To 120" Wide Lined Draperies.....	1,485.54	33.38

12 22 13 00-0042 >120" To 144" Wide Lined Draperies (12 22 13 00-0001)

12 22 13 00-0043	EA	Up To 39" Long, >120" To 144" Wide Lined Draperies.....	1,191.84	39.15
12 22 13 00-0044	EA	>39" To 63" Long, >120" To 144" Wide Lined Draperies.....	1,273.53	39.15
12 22 13 00-0045	EA	>63" To 72" Long, >120" To 144" Wide Lined Draperies.....	1,303.63	39.15
12 22 13 00-0046	EA	>72" To 81" Long, >120" To 144" Wide Lined Draperies.....	1,389.62	39.15
12 22 13 00-0047	EA	>81" To 90" Long, >120" To 144" Wide Lined Draperies.....	1,475.60	39.15
12 22 13 00-0048	EA	>90" To 99" Long, >120" To 144" Wide Lined Draperies.....	1,561.59	39.15
12 22 13 00-0049	EA	>99" To 108" Long, >120" To 144" Wide Lined Draperies.....	1,647.57	39.15
12 22 13 00-0050	EA	>108" To 120" Long, >120" To 144" Wide Lined Draperies.....	1,733.56	39.15
12 22 13 00-0051	EA	>120" To 130" Long, >120" To 144" Wide Lined Draperies.....	1,841.04	39.15

12 22 13 00-0052 >144" To 168" Wide Lined Draperies (12 22 13 00-0001)

12 22 13 00-0053	EA	Up To 39" Long, >144" To 168" Wide Lined Draperies.....	1,401.17	44.94
12 22 13 00-0054	EA	>39" To 63" Long, >144" To 168" Wide Lined Draperies.....	1,487.15	44.94
12 22 13 00-0055	EA	>63" To 72" Long, >144" To 168" Wide Lined Draperies.....	1,551.64	44.94
12 22 13 00-0056	EA	>72" To 81" Long, >144" To 168" Wide Lined Draperies.....	1,637.63	44.94
12 22 13 00-0057	EA	>81" To 90" Long, >144" To 168" Wide Lined Draperies.....	1,723.61	44.94
12 22 13 00-0058	EA	>90" To 99" Long, >144" To 168" Wide Lined Draperies.....	1,831.10	44.94
12 22 13 00-0059	EA	>99" To 108" Long, >144" To 168" Wide Lined Draperies.....	1,917.08	44.94
12 22 13 00-0060	EA	>108" To 120" Long, >144" To 168" Wide Lined Draperies.....	2,003.07	44.94
12 22 13 00-0061	EA	>120" To 130" Long, >144" To 168" Wide Lined Draperies.....	2,153.55	44.94

12 22 13 00-0062 >168" To 192" Wide Lined Draperies (12 22 13 00-0001)

12 22 13 00-0063	EA	Up To 39" Long, >168" To 192" Wide Lined Draperies.....	1,584.70	50.71
12 22 13 00-0064	EA	>39" To 63" Long, >168" To 192" Wide Lined Draperies.....	1,692.18	50.71
12 22 13 00-0065	EA	>63" To 72" Long, >168" To 192" Wide Lined Draperies.....	1,756.67	50.71
12 22 13 00-0066	EA	>72" To 81" Long, >168" To 192" Wide Lined Draperies.....	1,864.15	50.71
12 22 13 00-0067	EA	>81" To 90" Long, >168" To 192" Wide Lined Draperies.....	1,950.14	50.71
12 22 13 00-0068	EA	>90" To 99" Long, >168" To 192" Wide Lined Draperies.....	2,057.62	50.71
12 22 13 00-0069	EA	>99" To 108" Long, >168" To 192" Wide Lined Draperies.....	2,229.60	50.71
12 22 13 00-0070	EA	>108" To 120" Long, >168" To 192" Wide Lined Draperies.....	2,294.08	50.71
12 22 13 00-0071	EA	>120" To 130" Long, >168" To 192" Wide Lined Draperies.....	2,444.56	50.71

12 22 13 00-0072 >192" To 216" Wide Lined Draperies (12 22 13 00-0001)

12 22 13 00-0073	EA	Up To 39" Long, >192" To 216" Wide Lined Draperies.....	1,789.71	56.49
12 22 13 00-0074	EA	>39" To 63" Long, >192" To 216" Wide Lined Draperies.....	1,875.70	56.49
12 22 13 00-0075	EA	>63" To 72" Long, >192" To 216" Wide Lined Draperies.....	1,961.69	56.49
12 22 13 00-0076	EA	>72" To 81" Long, >192" To 216" Wide Lined Draperies.....	2,090.67	56.49
12 22 13 00-0077	EA	>81" To 90" Long, >192" To 216" Wide Lined Draperies.....	2,219.65	56.49
12 22 13 00-0078	EA	>90" To 99" Long, >192" To 216" Wide Lined Draperies.....	2,348.63	56.49
12 22 13 00-0079	EA	>99" To 108" Long, >192" To 216" Wide Lined Draperies.....	2,456.11	56.49
12 22 13 00-0080	EA	>108" To 120" Long, >192" To 216" Wide Lined Draperies.....	2,563.60	56.49
12 22 13 00-0081	EA	>120" To 130" Long, >192" To 216" Wide Lined Draperies.....	2,757.06	56.49

12 22 13 00-0082 >216" To 240" Wide Lined Draperies (12 22 13 00-0001)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 22 13 00-0083	EA		Up To 39" Long, >216" To 240" Wide Lined Draperies.....	1,973.25	62.27
12 22 13 00-0084	EA		>39" To 63" Long, >216" To 240" Wide Lined Draperies.....	2,123.73	62.27
12 22 13 00-0085	EA		>63" To 72" Long, >216" To 240" Wide Lined Draperies.....	2,188.22	62.27
12 22 13 00-0086	EA		>72" To 81" Long, >216" To 240" Wide Lined Draperies.....	2,317.19	62.27
12 22 13 00-0087	EA		>81" To 90" Long, >216" To 240" Wide Lined Draperies.....	2,467.67	62.27
12 22 13 00-0088	EA		>90" To 99" Long, >216" To 240" Wide Lined Draperies.....	2,596.65	62.27
12 22 13 00-0089	EA		>99" To 108" Long, >216" To 240" Wide Lined Draperies.....	2,725.63	62.27
12 22 13 00-0090	EA		>108" To 120" Long, >216" To 240" Wide Lined Draperies.....	2,854.61	62.27
12 22 13 00-0091	EA		>120" To 130" Long, >216" To 240" Wide Lined Draperies.....	3,069.57	62.27
12 22 16 Drapery Track and Accessories (12 22)					
12 22 16 00-0001			Metal Wall Or Ceiling Mount Drapery Tracks (12 22 16)		
12 22 16 00-0002			Basic Traverse Rod (12 22 16 00-0001)		
12 22 16 00-0003	EA		Traverse Rod, 30" To 50" Extension Metal Wall Or Ceiling Mounted Track	153.96	49.91
12 22 16 00-0004	EA		Traverse Rod, 50" To 90" Extension Metal Wall Or Ceiling Mounted Track	182.52	49.91
12 22 16 00-0005	EA		Traverse Rod, 84" To 156" Extension Metal Wall Or Ceiling Mounted Track.....	218.00	55.45
12 22 16 00-0006	EA		Traverse Rod, 136" To 250" Extension Metal Wall Or Ceiling Mounted Track	307.19	55.45
12 22 16 00-0007	EA		Traverse Rod, 165" To 312" Extension Metal Wall Or Ceiling Mounted Track	317.54	61.00
12 22 16 00-0008			Traverse Rod With Stationary Curtain Rod (12 22 16 00-0001)		
12 22 16 00-0009	EA		Tray And Curtain Rod, 30" To 50" Extension Metal Wall Or Ceiling Mounted Track	181.33	49.91
12 22 16 00-0010	EA		Tray And Curtain Rod, 50" To 90" Extension Metal Wall Or Ceiling Mounted Track	199.77	49.91
12 22 16 00-0011	EA		Tray And Curtain Rod, 84" To 156" Extension Metal Wall Or Ceiling Mounted Track	261.44	55.45
12 22 16 00-0012	EA		Tray And Curtain Rod, 136" To 250" Extension Metal Wall Or Ceiling Mounted Track	300.29	61.00
12 22 16 00-0013			Double Traverse Rod (12 22 16 00-0001)		
12 22 16 00-0014	EA		Double Traverse Rod, 30" To 50" Extension Metal Wall Or Ceiling Mounted Track.....	228.33	49.91
12 22 16 00-0015	EA		Double Traverse Rod, 50" To 90" Extension Metal Wall Or Ceiling Mounted Track.....	284.26	49.91
12 22 16 00-0016	EA		Double Traverse Rod, 84" To 156" Extension Metal Wall Or Ceiling Mounted Track.....	359.31	55.45
12 22 16 00-0017	EA		Double Traverse Rod, 136" To 250" Extension Metal Wall Or Ceiling Mounted Track.....	387.75	61.00
12 22 16 00-0018			Curtain Rods (12 22 16 00-0001)		
12 22 16 00-0019	LF		Standard Metal Curtain Rod, White	13.18	2.31
12 22 16 00-0020			Relocate Drapery And Rod (12 22 16 00-0001)		
12 22 16 00-0021	LF		Relocate Any Type Of Drapery And Any Type Rod	33.27	
			Note: Includes storage and cleaning.		
12 23 Interior Shutters (12 20)					
12 23 13			Wood Interior Shutters (12 23)		
12 23 13 00-0001			Interior Plantation Shutters (12 23 13)		
			Note: Mixture of white pine and poplar wood, stile: 1-3/4" x 1-1/8" thick, blade: 3/8" x 2-3/8", top and bottom rail: 4" x 1-5/16" thick. 36" To 48" heights do not have center rail, 52" to 80" with center rail. Center rail: 2" x 15/16"		
12 23 13 00-0002			12" Wide (12 23 13 00-0001)		
12 23 13 00-0003	PR		12" x 36" Plantation Shutter.....	304.64	38.77
12 23 13 00-0004	PR		12" x 40" Plantation Shutter.....	338.83	40.71
12 23 13 00-0005	PR		12" x 44" Plantation Shutter.....	369.87	42.65
12 23 13 00-0006	PR		12" x 48" Plantation Shutter.....	400.91	44.58
12 23 13 00-0007	PR		12" x 52" Plantation Shutter.....	431.95	46.52
12 23 13 00-0008	PR		12" x 56" Plantation Shutter.....	463.00	48.46
12 23 13 00-0009	PR		12" x 60" Plantation Shutter.....	465.59	50.40
12 23 13 00-0010	PR		12" x 64" Plantation Shutter.....	525.07	52.34
12 23 13 00-0011	PR		12" x 68" Plantation Shutter.....	556.11	54.28
12 23 13 00-0012	PR		12" x 72" Plantation Shutter.....	587.16	56.22
12 23 13 00-0013	PR		12" x 76" Plantation Shutter.....	618.19	58.16
12 23 13 00-0014	PR		12" x 80" Plantation Shutter.....	649.24	60.09
12 23 13 00-0015			14" Wide (12 23 13 00-0001)		
12 23 13 00-0016	PR		14" x 36" Plantation Shutter.....	317.28	38.77
12 23 13 00-0017	PR		14" x 40" Plantation Shutter.....	351.48	40.71
12 23 13 00-0018	PR		14" x 44" Plantation Shutter.....	382.52	42.65
12 23 13 00-0019	PR		14" x 48" Plantation Shutter.....	413.57	44.58
12 23 13 00-0020	PR		14" x 52" Plantation Shutter.....	447.75	46.52
12 23 13 00-0021	PR		14" x 56" Plantation Shutter.....	478.80	48.46
12 23 13 00-0022	PR		14" x 60" Plantation Shutter.....	509.84	50.40
12 23 13 00-0023	PR		14" x 64" Plantation Shutter.....	544.04	52.34
12 23 13 00-0024	PR		14" x 68" Plantation Shutter.....	575.08	54.28
12 23 13 00-0025	PR		14" x 72" Plantation Shutter.....	606.14	56.22
12 23 13 00-0026	PR		14" x 76" Plantation Shutter.....	640.32	58.16
12 23 13 00-0027	PR		14" x 80" Plantation Shutter.....	671.37	60.09
12 23 13 00-0028			15" Wide (12 23 13 00-0001)		

12 Furnishings**12 20 Window Treatments****12 23 Interior Shutters**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

12 23 13 00-0029	PR	15" x 36" Plantation Shutter	329.93	38.77
12 23 13 00-0030	PR	15" x 40" Plantation Shutter	364.13	40.71
12 23 13 00-0031	PR	15" x 44" Plantation Shutter	395.16	42.65
12 23 13 00-0032	PR	15" x 48" Plantation Shutter	426.22	44.58
12 23 13 00-0033	PR	15" x 52" Plantation Shutter	460.40	46.52
12 23 13 00-0034	PR	15" x 56" Plantation Shutter	494.61	48.46
12 23 13 00-0035	PR	15" x 60" Plantation Shutter	528.81	50.40
12 23 13 00-0036	PR	15" x 64" Plantation Shutter	563.01	52.34
12 23 13 00-0037	PR	15" x 68" Plantation Shutter	597.21	54.28
12 23 13 00-0038	PR	15" x 72" Plantation Shutter	628.27	56.22
12 23 13 00-0039	PR	15" x 76" Plantation Shutter	662.46	58.16
12 23 13 00-0040	PR	15" x 80" Plantation Shutter	696.66	60.09

12 23 13 00-0041 16" Wide (12 23 13 00-0001)

12 23 13 00-0042	PR	16" x 36" Plantation Shutter	348.90	38.77
12 23 13 00-0043	PR	16" x 40" Plantation Shutter	386.26	40.71
12 23 13 00-0044	PR	16" x 44" Plantation Shutter	420.46	42.65
12 23 13 00-0045	PR	16" x 48" Plantation Shutter	457.84	44.58
12 23 13 00-0046	PR	16" x 52" Plantation Shutter	492.01	46.52
12 23 13 00-0047	PR	16" x 56" Plantation Shutter	526.23	48.46
12 23 13 00-0048	PR	16" x 60" Plantation Shutter	560.43	50.40
12 23 13 00-0049	PR	16" x 64" Plantation Shutter	600.95	52.34
12 23 13 00-0050	PR	16" x 68" Plantation Shutter	635.15	54.28
12 23 13 00-0051	PR	16" x 72" Plantation Shutter	669.37	56.22
12 23 13 00-0052	PR	16" x 76" Plantation Shutter	706.72	58.16
12 23 13 00-0053	PR	16" x 80" Plantation Shutter	740.93	60.09

12 23 13 00-0054 18" Wide (12 23 13 00-0001)

12 23 13 00-0055	PR	18" x 36" Plantation Shutter	377.36	38.77
12 23 13 00-0056	PR	18" x 40" Plantation Shutter	414.72	40.71
12 23 13 00-0057	PR	18" x 44" Plantation Shutter	452.07	42.65
12 23 13 00-0058	PR	18" x 48" Plantation Shutter	492.61	44.58
12 23 13 00-0059	PR	18" x 52" Plantation Shutter	529.95	46.52
12 23 13 00-0060	PR	18" x 56" Plantation Shutter	570.49	48.46
12 23 13 00-0061	PR	18" x 60" Plantation Shutter	607.85	50.40
12 23 13 00-0062	PR	18" x 64" Plantation Shutter	645.21	52.34
12 23 13 00-0063	PR	18" x 68" Plantation Shutter	682.58	54.28
12 23 13 00-0064	PR	18" x 72" Plantation Shutter	723.12	56.22
12 23 13 00-0065	PR	18" x 76" Plantation Shutter	760.47	58.16
12 23 13 00-0066	PR	18" x 80" Plantation Shutter	801.00	60.09

12 23 13 00-0067 20" Wide (12 23 13 00-0001)

12 23 13 00-0068	PR	20" x 36" Plantation Shutter	408.97	38.77
12 23 13 00-0069	PR	20" x 40" Plantation Shutter	452.66	40.71
12 23 13 00-0070	PR	20" x 44" Plantation Shutter	493.18	42.65
12 23 13 00-0071	PR	20" x 48" Plantation Shutter	533.72	44.58
12 23 13 00-0072	PR	20" x 52" Plantation Shutter	577.38	46.52
12 23 13 00-0073	PR	20" x 56" Plantation Shutter	617.92	48.46
12 23 13 00-0074	PR	20" x 60" Plantation Shutter	661.60	50.40
12 23 13 00-0075	PR	20" x 64" Plantation Shutter	702.12	52.34
12 23 13 00-0076	PR	20" x 68" Plantation Shutter	745.81	54.28
12 23 13 00-0077	PR	20" x 72" Plantation Shutter	786.36	56.22
12 23 13 00-0078	PR	20" x 76" Plantation Shutter	830.03	58.16
12 23 13 00-0079	PR	20" x 80" Plantation Shutter	870.56	60.09

12 23 13 00-0080 22" Wide (12 23 13 00-0001)

12 23 13 00-0081	PR	22" x 36" Plantation Shutter	434.27	38.77
12 23 13 00-0082	PR	22" x 40" Plantation Shutter	481.11	40.71
12 23 13 00-0083	PR	22" x 44" Plantation Shutter	524.79	42.65
12 23 13 00-0084	PR	22" x 48" Plantation Shutter	5,311.06	44.58
12 23 13 00-0085	PR	22" x 52" Plantation Shutter	615.32	46.52
12 23 13 00-0086	PR	22" x 56" Plantation Shutter	659.02	48.46
12 23 13 00-0087	PR	22" x 60" Plantation Shutter	702.70	50.40
12 23 13 00-0088	PR	22" x 64" Plantation Shutter	749.55	52.34
12 23 13 00-0089	PR	22" x 68" Plantation Shutter	793.24	54.28
12 23 13 00-0090	PR	22" x 72" Plantation Shutter	840.10	56.22
12 23 13 00-0091	PR	22" x 76" Plantation Shutter	883.78	58.16
12 23 13 00-0092	PR	22" x 80" Plantation Shutter	930.63	60.09

12 23 13 00-0093 24" Wide (12 23 13 00-0001)

12 23 13 00-0094	PR	24" x 36" Plantation Shutter	459.56	38.77
12 23 13 00-0095	PR	24" x 40" Plantation Shutter	509.57	40.71
12 23 13 00-0096	PR	24" x 44" Plantation Shutter	556.41	42.65
12 23 13 00-0097	PR	24" x 48" Plantation Shutter	606.44	44.58
12 23 13 00-0098	PR	24" x 52" Plantation Shutter	653.26	46.52
12 23 13 00-0099	PR	24" x 56" Plantation Shutter	700.12	48.46
12 23 13 00-0100	PR	24" x 60" Plantation Shutter	746.97	50.40
12 23 13 00-0101	PR	24" x 64" Plantation Shutter	796.97	52.34
12 23 13 00-0102	PR	24" x 68" Plantation Shutter	843.83	54.28

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 23 13 00-0103	PR	24" x 72" Plantation Shutter.....	893.85	56.22
12 23 13 00-0104	PR	24" x 76" Plantation Shutter.....	940.69	58.16
12 23 13 00-0105	PR	24" x 80" Plantation Shutter.....	990.70	60.09
12 24 Window Shades (12 20)				
12 24 13 Roller Window Shades (12 24)				
12 24 13 00-0001		Roller Window Shades (12 24 13)		
12 24 13 00-0002		Vinyl Coated Fiberglass, Roller Window Shades (12 24 13 00-0001)		
		Note: Includes roller, brackets, and stainless steel chain operator.		
12 24 13 00-0003	SF	0% Openness, Blackout, Vinyl Coated Fiberglass, Roller Window Shades.....	15.83	0.77
12 24 13 00-0004	SF	1% To 10% Openness, Vinyl Coated Fiberglass, Roller Window Shades.....	15.83	0.77
12 24 13 00-0005		Polyvinyl Chloride (PVC) Free, Acrylic Backed Polyester, Roller Window Shades (12 24 13 00-0001)		
		Note: Includes roller, brackets, and stainless steel chain operator.		
12 24 13 00-0006	SF	0% Openness, Blackout, Polyvinyl Chloride (PVC) Free, Acrylic Backed Polyester, Roller Window Shades.....	20.22	0.77
12 24 13 00-0007		Vinyl Coated Polyester, Roller Window Shades (12 24 13 00-0001)		
		Note: Includes roller, brackets, and stainless steel chain operator.		
12 24 13 00-0008	SF	1% To 10% Openness, Vinyl Coated Polyester, Roller Window Shades.....	15.83	0.77
12 24 13 00-0009		MechoShade (12 24 13)		
		Note: Includes all hardware required for installation and stainless steel chain operator.		
12 24 13 00-0010		ThermoVeil 0700 Series (Blackout) Shade (12 24 13 00-0009)		
12 24 13 00-0011	EA	3' High x 3' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade.....	233.18	15.49
		For Installation In Concrete Or Steel, Add	15.40	
		For Window Top >10' Above Finished Floor, Add	7.70	
12 24 13 00-0012	EA	3' High x 4' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade.....	282.64	20.65
		For Installation In Concrete Or Steel, Add	20.53	
		For Window Top >10' Above Finished Floor, Add	10.26	
12 24 13 00-0013	EA	3' High x 5' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade.....	308.19	25.81
		For Installation In Concrete Or Steel, Add	25.66	
		For Window Top >10' Above Finished Floor, Add	12.83	
12 24 13 00-0014	EA	3' High x 6' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade.....	329.38	30.96
		For Installation In Concrete Or Steel, Add	30.79	
		For Window Top >10' Above Finished Floor, Add	15.40	
12 24 13 00-0015	EA	4' High x 3' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade.....	244.05	15.49
		For Installation In Concrete Or Steel, Add	15.40	
		For Window Top >10' Above Finished Floor, Add	7.70	
12 24 13 00-0016	EA	4' High x 4' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade.....	300.03	20.65
		For Installation In Concrete Or Steel, Add	20.53	
		For Window Top >10' Above Finished Floor, Add	10.26	
12 24 13 00-0017	EA	4' High x 5' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade.....	321.24	25.81
		For Installation In Concrete Or Steel, Add	25.66	
		For Window Top >10' Above Finished Floor, Add	12.83	
12 24 13 00-0018	EA	4' High x 6' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade.....	346.78	30.96
		For Installation In Concrete Or Steel, Add	30.79	
		For Window Top >10' Above Finished Floor, Add	15.40	
12 24 13 00-0019	EA	5' High x 3' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade.....	257.10	15.49
		For Installation In Concrete Or Steel, Add	15.40	
		For Window Top >10' Above Finished Floor, Add	7.70	
12 24 13 00-0020	EA	5' High x 4' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade.....	319.60	20.65
		For Installation In Concrete Or Steel, Add	20.53	
		For Window Top >10' Above Finished Floor, Add	10.26	
12 24 13 00-0021	EA	5' High x 5' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade.....	340.81	25.81
		For Installation In Concrete Or Steel, Add	25.66	
		For Window Top >10' Above Finished Floor, Add	12.83	
12 24 13 00-0022	EA	5' High x 6' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade.....	366.35	30.96
		For Installation In Concrete Or Steel, Add	30.79	
		For Window Top >10' Above Finished Floor, Add	15.40	
12 24 13 00-0023	EA	6' High x 3' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade.....	267.97	15.49
		For Installation In Concrete Or Steel, Add	15.40	
		For Window Top >10' Above Finished Floor, Add	7.70	
12 24 13 00-0024	EA	6' High x 4' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade.....	339.17	20.65
		For Installation In Concrete Or Steel, Add	20.53	
		For Window Top >10' Above Finished Floor, Add	10.26	
12 24 13 00-0025	EA	6' High x 5' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade.....	360.37	25.81
		For Installation In Concrete Or Steel, Add	25.66	
		For Window Top >10' Above Finished Floor, Add	12.83	
12 24 13 00-0026	EA	6' High x 6' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade.....	383.74	30.96
		For Installation In Concrete Or Steel, Add	30.79	
		For Window Top >10' Above Finished Floor, Add	15.40	
12 24 13 00-0027	EA	7' High x 3' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade.....	278.84	15.49
		For Installation In Concrete Or Steel, Add	15.40	
		For Window Top >10' Above Finished Floor, Add	7.70	
12 24 13 00-0028	EA	7' High x 4' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade.....	358.74	20.65
		For Installation In Concrete Or Steel, Add	20.53	
		For Window Top >10' Above Finished Floor, Add	10.26	
12 24 13 00-0029	EA	7' High x 5' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade.....	379.94	25.81
		For Installation In Concrete Or Steel, Add	25.66	
		For Window Top >10' Above Finished Floor, Add	12.83	

12 Furnishings**12 20 Window Treatments****12 24 Window Shades**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

12 24 13 00-0030	EA	7' High x 6' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade.....	405.49	30.96
		For Installation In Concrete Or Steel, Add	30.79	
		For Window Top >10' Above Finished Floor, Add	15.40	
12 24 13 00-0031	EA	8' High x 3' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade.....	291.89	15.49
		For Installation In Concrete Or Steel, Add	15.40	
		For Window Top >10' Above Finished Floor, Add	7.70	
12 24 13 00-0032	EA	8' High x 4' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade.....	380.49	20.65
		For Installation In Concrete Or Steel, Add	20.53	
		For Window Top >10' Above Finished Floor, Add	10.26	
12 24 13 00-0033	EA	8' High x 5' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade.....	401.69	25.81
		For Installation In Concrete Or Steel, Add	25.66	
		For Window Top >10' Above Finished Floor, Add	12.83	
12 24 13 00-0034	EA	8' High x 6' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade.....	425.05	30.96
		For Installation In Concrete Or Steel, Add	30.79	
		For Window Top >10' Above Finished Floor, Add	15.40	
12 24 13 00-0035	EA	9' High x 3' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade.....	302.76	15.49
		For Installation In Concrete Or Steel, Add	15.40	
		For Window Top >10' Above Finished Floor, Add	7.70	
12 24 13 00-0036	EA	9' High x 4' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade.....	400.06	20.65
		For Installation In Concrete Or Steel, Add	20.53	
		For Window Top >10' Above Finished Floor, Add	10.26	
12 24 13 00-0037	EA	9' High x 5' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade.....	421.26	25.81
		For Installation In Concrete Or Steel, Add	25.66	
		For Window Top >10' Above Finished Floor, Add	12.83	
12 24 13 00-0038	EA	9' High x 6' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade.....	444.62	30.96
		For Installation In Concrete Or Steel, Add	30.79	
		For Window Top >10' Above Finished Floor, Add	15.40	
12 24 13 00-0039	EA	10' High x 3' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade.....	313.63	15.49
		For Installation In Concrete Or Steel, Add	15.40	
		For Window Top >10' Above Finished Floor, Add	7.70	
12 24 13 00-0040	EA	10' High x 4' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade.....	419.63	20.65
		For Installation In Concrete Or Steel, Add	20.53	
		For Window Top >10' Above Finished Floor, Add	10.26	
12 24 13 00-0041	EA	10' High x 5' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade.....	440.83	25.81
		For Installation In Concrete Or Steel, Add	25.66	
		For Window Top >10' Above Finished Floor, Add	12.83	
12 24 13 00-0042	EA	10' High x 6' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade.....	496.81	30.96
		For Installation In Concrete Or Steel, Add	30.79	
		For Window Top >10' Above Finished Floor, Add	15.40	
12 24 13 00-0043	EA	11' High x 3' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade.....	335.38	15.49
		For Installation In Concrete Or Steel, Add	15.40	
		For Window Top >10' Above Finished Floor, Add	7.70	
12 24 13 00-0044	EA	11' High x 4' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade.....	456.59	20.65
		For Installation In Concrete Or Steel, Add	20.53	
		For Window Top >10' Above Finished Floor, Add	10.26	
12 24 13 00-0045	EA	11' High x 5' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade.....	477.79	25.81
		For Installation In Concrete Or Steel, Add	25.66	
		For Window Top >10' Above Finished Floor, Add	12.83	
12 24 13 00-0046	EA	11' High x 6' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade.....	522.90	30.96
		For Installation In Concrete Or Steel, Add	30.79	
		For Window Top >10' Above Finished Floor, Add	15.40	
12 24 13 00-0047	EA	12' High x 3' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade.....	409.31	15.49
		For Installation In Concrete Or Steel, Add	15.40	
		For Window Top >10' Above Finished Floor, Add	7.70	
12 24 13 00-0048	EA	12' High x 4' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade.....	478.33	20.65
		For Installation In Concrete Or Steel, Add	20.53	
		For Window Top >10' Above Finished Floor, Add	10.26	
12 24 13 00-0049	EA	12' High x 5' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade.....	499.54	25.81
		For Installation In Concrete Or Steel, Add	25.66	
		For Window Top >10' Above Finished Floor, Add	12.83	
12 24 13 00-0050	EA	12' High x 6' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade.....	551.17	30.96
		For Installation In Concrete Or Steel, Add	30.79	
		For Window Top >10' Above Finished Floor, Add	15.40	

12 24 13 00-0051 ThermoVeil 0900 And 3000 Series Shade (12 24 13 00-0009)

12 24 13 00-0052	EA	3' High x 3' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	265.80	15.49
		For ThermoVeil 1300 Series (5% Openness), Add	140.90	
		For Installation In Concrete Or Steel, Add	15.40	
		For Window Top >10' Above Finished Floor, Add	7.70	
12 24 13 00-0053	EA	3' High x 4' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	326.13	20.65
		For ThermoVeil 1300 Series (5% Openness), Add	170.91	
		For Installation In Concrete Or Steel, Add	20.53	
		For Window Top >10' Above Finished Floor, Add	10.26	
12 24 13 00-0054	EA	3' High x 5' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	358.20	25.81
		For ThermoVeil 1300 Series (5% Openness), Add	183.95	
		For Installation In Concrete Or Steel, Add	25.66	
		For Window Top >10' Above Finished Floor, Add	12.83	
12 24 13 00-0055	EA	3' High x 6' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	385.92	30.96
		For ThermoVeil 1300 Series (5% Openness), Add	194.39	
		For Installation In Concrete Or Steel, Add	30.79	
		For Window Top >10' Above Finished Floor, Add	15.40	
12 24 13 00-0056	EA	3' High x 7' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	478.87	36.12
		For ThermoVeil 1300 Series (5% Openness), Add	243.97	
		For Installation In Concrete Or Steel, Add	35.93	
		For Window Top >10' Above Finished Floor, Add	17.96	
12 24 13 00-0057	EA	3' High x 8' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	497.88	41.28
		For ThermoVeil 1300 Series (5% Openness), Add	249.19	
		For Installation In Concrete Or Steel, Add	41.06	
		For Window Top >10' Above Finished Floor, Add	20.53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 24 13 00-0058	EA	4'	High x 3' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade For ThermoVeil 1300 Series (5% Openness), Add For Installation In Concrete Or Steel, Add For Window Top >10' Above Finished Floor, Add	285.36 152.64 15.40 7.70	15.49
12 24 13 00-0059	EA	4'	High x 4' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade For ThermoVeil 1300 Series (5% Openness), Add For Installation In Concrete Or Steel, Add For Window Top >10' Above Finished Floor, Add	356.57 189.17 20.53 10.26	20.65
12 24 13 00-0060	EA	4'	High x 5' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade For ThermoVeil 1300 Series (5% Openness), Add For Installation In Concrete Or Steel, Add For Window Top >10' Above Finished Floor, Add	392.99 204.83 25.66 12.83	25.81
12 24 13 00-0061	EA	4'	High x 6' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade For ThermoVeil 1300 Series (5% Openness), Add For Installation In Concrete Or Steel, Add For Window Top >10' Above Finished Floor, Add	422.88 216.57 30.79 15.40	30.96
12 24 13 00-0062	EA	4'	High x 7' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade For ThermoVeil 1300 Series (5% Openness), Add For Installation In Concrete Or Steel, Add For Window Top >10' Above Finished Floor, Add	524.54 271.37 35.93 17.96	36.12
12 24 13 00-0063	EA	4'	High x 8' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade For ThermoVeil 1300 Series (5% Openness), Add For Installation In Concrete Or Steel, Add For Window Top >10' Above Finished Floor, Add	545.72 277.89 41.06 20.53	41.28
12 24 13 00-0064	EA	5'	High x 3' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade For ThermoVeil 1300 Series (5% Openness), Add For Installation In Concrete Or Steel, Add For Window Top >10' Above Finished Floor, Add	302.76 163.08 15.40 7.70	15.49
12 24 13 00-0065	EA	5'	High x 4' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade For ThermoVeil 1300 Series (5% Openness), Add For Installation In Concrete Or Steel, Add For Window Top >10' Above Finished Floor, Add	389.18 208.74 20.53 10.26	20.65
12 24 13 00-0066	EA	5'	High x 5' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade For ThermoVeil 1300 Series (5% Openness), Add For Installation In Concrete Or Steel, Add For Window Top >10' Above Finished Floor, Add	429.96 227.01 25.66 12.83	25.81
12 24 13 00-0067	EA	5'	High x 6' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade For ThermoVeil 1300 Series (5% Openness), Add For Installation In Concrete Or Steel, Add For Window Top >10' Above Finished Floor, Add	459.85 238.75 30.79 15.40	30.96
12 24 13 00-0068	EA	5'	High x 7' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade For ThermoVeil 1300 Series (5% Openness), Add For Installation In Concrete Or Steel, Add For Window Top >10' Above Finished Floor, Add	574.55 301.37 35.93 17.96	36.12
12 24 13 00-0069	EA	5'	High x 8' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade For ThermoVeil 1300 Series (5% Openness), Add For Installation In Concrete Or Steel, Add For Window Top >10' Above Finished Floor, Add	595.73 307.90 41.06 20.53	41.28
12 24 13 00-0070	EA	6'	High x 3' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade For ThermoVeil 1300 Series (5% Openness), Add For Installation In Concrete Or Steel, Add For Window Top >10' Above Finished Floor, Add	324.50 176.12 15.40 7.70	15.49
12 24 13 00-0071	EA	6'	High x 4' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade For ThermoVeil 1300 Series (5% Openness), Add For Installation In Concrete Or Steel, Add For Window Top >10' Above Finished Floor, Add	421.80 228.31 20.53 10.26	20.65
12 24 13 00-0072	EA	6'	High x 5' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade For ThermoVeil 1300 Series (5% Openness), Add For Installation In Concrete Or Steel, Add For Window Top >10' Above Finished Floor, Add	464.75 247.88 25.66 12.83	25.81
12 24 13 00-0073	EA	6'	High x 6' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade For ThermoVeil 1300 Series (5% Openness), Add For Installation In Concrete Or Steel, Add For Window Top >10' Above Finished Floor, Add	498.98 262.23 30.79 15.40	30.96
12 24 13 00-0074	EA	6'	High x 7' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade For ThermoVeil 1300 Series (5% Openness), Add For Installation In Concrete Or Steel, Add For Window Top >10' Above Finished Floor, Add	624.56 331.38 35.93 17.96	36.12
12 24 13 00-0075	EA	6'	High x 8' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade For ThermoVeil 1300 Series (5% Openness), Add For Installation In Concrete Or Steel, Add For Window Top >10' Above Finished Floor, Add	645.74 337.90 41.06 20.53	41.28
12 24 13 00-0076	EA	7'	High x 3' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade For ThermoVeil 1300 Series (5% Openness), Add For Installation In Concrete Or Steel, Add For Window Top >10' Above Finished Floor, Add	341.90 186.56 15.40 7.70	15.49
12 24 13 00-0077	EA	7'	High x 4' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade For ThermoVeil 1300 Series (5% Openness), Add For Installation In Concrete Or Steel, Add For Window Top >10' Above Finished Floor, Add	450.07 245.27 20.53 10.26	20.65
12 24 13 00-0078	EA	7'	High x 5' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade For ThermoVeil 1300 Series (5% Openness), Add For Installation In Concrete Or Steel, Add For Window Top >10' Above Finished Floor, Add	501.71 270.06 25.66 12.83	25.81
12 24 13 00-0079	EA	7'	High x 6' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade For ThermoVeil 1300 Series (5% Openness), Add For Installation In Concrete Or Steel, Add For Window Top >10' Above Finished Floor, Add	535.95 284.41 30.79 15.40	30.96

12 Furnishings**12 20 Window Treatments****12 24 Window Shades**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

12 24 13 00-0080	EA 7' High x 7' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	672.39	36.12
	For ThermoVeil 1300 Series (5% Openness), Add	360.08	
	For Installation In Concrete Or Steel, Add	35.93	
	For Window Top >10' Above Finished Floor, Add	17.96	
12 24 13 00-0081	EA 7' High x 8' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	804.47	41.28
	For ThermoVeil 1300 Series (5% Openness), Add	433.14	
	For Installation In Concrete Or Steel, Add	41.06	
	For Window Top >10' Above Finished Floor, Add	20.53	
12 24 13 00-0082	EA 8' High x 3' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	363.64	15.49
	For ThermoVeil 1300 Series (5% Openness), Add	199.61	
	For Installation In Concrete Or Steel, Add	15.40	
	For Window Top >10' Above Finished Floor, Add	7.70	
12 24 13 00-0083	EA 8' High x 4' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	482.68	20.65
	For ThermoVeil 1300 Series (5% Openness), Add	264.84	
	For Installation In Concrete Or Steel, Add	20.53	
	For Window Top >10' Above Finished Floor, Add	10.26	
12 24 13 00-0084	EA 8' High x 5' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	536.50	25.81
	For ThermoVeil 1300 Series (5% Openness), Add	290.93	
	For Installation In Concrete Or Steel, Add	25.66	
	For Window Top >10' Above Finished Floor, Add	12.83	
12 24 13 00-0085	EA 8' High x 6' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	572.91	30.96
	For ThermoVeil 1300 Series (5% Openness), Add	306.59	
	For Installation In Concrete Or Steel, Add	30.79	
	For Window Top >10' Above Finished Floor, Add	15.40	
12 24 13 00-0086	EA 8' High x 7' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	722.41	36.12
	For ThermoVeil 1300 Series (5% Openness), Add	390.09	
	For Installation In Concrete Or Steel, Add	35.93	
	For Window Top >10' Above Finished Floor, Add	17.96	
12 24 13 00-0087	EA 8' High x 8' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	863.18	41.28
	For ThermoVeil 1300 Series (5% Openness), Add	468.37	
	For Installation In Concrete Or Steel, Add	41.06	
	For Window Top >10' Above Finished Floor, Add	20.53	
12 24 13 00-0088	EA 9' High x 3' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	381.04	15.49
	For ThermoVeil 1300 Series (5% Openness), Add	210.05	
	For Installation In Concrete Or Steel, Add	15.40	
	For Window Top >10' Above Finished Floor, Add	7.70	
12 24 13 00-0089	EA 9' High x 4' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	513.12	20.65
	For ThermoVeil 1300 Series (5% Openness), Add	283.10	
	For Installation In Concrete Or Steel, Add	20.53	
	For Window Top >10' Above Finished Floor, Add	10.26	
12 24 13 00-0090	EA 9' High x 5' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	571.29	25.81
	For ThermoVeil 1300 Series (5% Openness), Add	311.81	
	For Installation In Concrete Or Steel, Add	25.66	
	For Window Top >10' Above Finished Floor, Add	12.83	
12 24 13 00-0091	EA 9' High x 6' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	609.88	30.96
	For ThermoVeil 1300 Series (5% Openness), Add	328.77	
	For Installation In Concrete Or Steel, Add	30.79	
	For Window Top >10' Above Finished Floor, Add	15.40	
12 24 13 00-0092	EA 9' High x 7' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	772.42	36.12
	For ThermoVeil 1300 Series (5% Openness), Add	420.10	
	For Installation In Concrete Or Steel, Add	35.93	
	For Window Top >10' Above Finished Floor, Add	17.96	
12 24 13 00-0093	EA 9' High x 8' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	913.19	41.28
	For ThermoVeil 1300 Series (5% Openness), Add	498.37	
	For Installation In Concrete Or Steel, Add	41.06	
	For Window Top >10' Above Finished Floor, Add	20.53	
12 24 13 00-0094	EA 10' High x 3' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	400.61	15.49
	For ThermoVeil 1300 Series (5% Openness), Add	221.79	
	For Installation In Concrete Or Steel, Add	15.40	
	For Window Top >10' Above Finished Floor, Add	7.70	
12 24 13 00-0095	EA 10' High x 4' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	547.92	20.65
	For ThermoVeil 1300 Series (5% Openness), Add	303.98	
	For Installation In Concrete Or Steel, Add	20.53	
	For Window Top >10' Above Finished Floor, Add	10.26	
12 24 13 00-0096	EA 10' High x 5' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	610.43	25.81
	For ThermoVeil 1300 Series (5% Openness), Add	335.29	
	For Installation In Concrete Or Steel, Add	25.66	
	For Window Top >10' Above Finished Floor, Add	12.83	
12 24 13 00-0097	EA 10' High x 6' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	649.02	30.96
	For ThermoVeil 1300 Series (5% Openness), Add	352.25	
	For Installation In Concrete Or Steel, Add	30.79	
	For Window Top >10' Above Finished Floor, Add	15.40	
12 24 13 00-0098	EA 10' High x 7' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	837.65	36.12
	For ThermoVeil 1300 Series (5% Openness), Add	459.23	
	For Installation In Concrete Or Steel, Add	35.93	
	For Window Top >10' Above Finished Floor, Add	17.96	
12 24 13 00-0099	EA 10' High x 8' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	963.20	41.28
	For ThermoVeil 1300 Series (5% Openness), Add	528.38	
	For Installation In Concrete Or Steel, Add	41.06	
	For Window Top >10' Above Finished Floor, Add	20.53	
12 24 13 00-0100	EA 11' High x 3' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	437.57	15.49
	For ThermoVeil 1300 Series (5% Openness), Add	243.97	
	For Installation In Concrete Or Steel, Add	15.40	
	For Window Top >10' Above Finished Floor, Add	7.70	
12 24 13 00-0101	EA 11' High x 4' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	587.05	20.65
	For ThermoVeil 1300 Series (5% Openness), Add	327.46	
	For Installation In Concrete Or Steel, Add	20.53	
	For Window Top >10' Above Finished Floor, Add	10.26	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 24 13 00-0102	EA	11' High x 5' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade For ThermoVeil 1300 Series (5% Openness), Add For Installation In Concrete Or Steel, Add For Window Top >10' Above Finished Floor, Add	662.62 366.61 25.66 12.83	25.81
12 24 13 00-0103	EA	11' High x 6' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade For ThermoVeil 1300 Series (5% Openness), Add For Installation In Concrete Or Steel, Add For Window Top >10' Above Finished Floor, Add	705.55 386.17 30.79 15.40	30.96
12 24 13 00-0104	EA	11' High x 7' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade For ThermoVeil 1300 Series (5% Openness), Add For Installation In Concrete Or Steel, Add For Window Top >10' Above Finished Floor, Add	920.28 508.61 35.93 17.96	36.12
12 24 13 00-0105	EA	11' High x 8' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade For ThermoVeil 1300 Series (5% Openness), Add For Installation In Concrete Or Steel, Add For Window Top >10' Above Finished Floor, Add	1,045.83 577.96 41.06 20.53	41.28
12 24 13 00-0106	EA	12' High x 3' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade For ThermoVeil 1300 Series (5% Openness), Add For Installation In Concrete Or Steel, Add For Window Top >10' Above Finished Floor, Add	533.25 301.37 15.40 7.70	15.49
12 24 13 00-0107	EA	12' High x 4' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade For ThermoVeil 1300 Series (5% Openness), Add For Installation In Concrete Or Steel, Add For Window Top >10' Above Finished Floor, Add	626.19 350.95 20.53 10.26	20.65
12 24 13 00-0108	EA	12' High x 5' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade For ThermoVeil 1300 Series (5% Openness), Add For Installation In Concrete Or Steel, Add For Window Top >10' Above Finished Floor, Add	710.45 395.30 25.66 12.83	25.81
12 24 13 00-0109	EA	12' High x 6' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade For ThermoVeil 1300 Series (5% Openness), Add For Installation In Concrete Or Steel, Add For Window Top >10' Above Finished Floor, Add	753.39 414.88 30.79 15.40	30.96
12 24 13 00-0110	EA	12' High x 7' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade For ThermoVeil 1300 Series (5% Openness), Add For Installation In Concrete Or Steel, Add For Window Top >10' Above Finished Floor, Add	961.59 533.60 35.93 17.96	36.12
12 24 13 00-0111	EA	12' High x 8' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade For ThermoVeil 1300 Series (5% Openness), Add For Installation In Concrete Or Steel, Add For Window Top >10' Above Finished Floor, Add	1,093.67 606.66 41.06 20.53	41.28
12 24 13 00-0112		EuroVeil 5100, 5200 And 5300 Series Shade (12 24 13 00-0009)		
12 24 13 00-0113	EA	3' High x 3' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade For Installation In Concrete Or Steel, Add For Window Top >10' Above Finished Floor, Add	281.02 15.40 7.70	15.49
12 24 13 00-0114	EA	3' High x 4' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade For Installation In Concrete Or Steel, Add For Window Top >10' Above Finished Floor, Add	304.38 20.53 10.26	20.65
12 24 13 00-0115	EA	3' High x 5' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade For Installation In Concrete Or Steel, Add For Window Top >10' Above Finished Floor, Add	349.50 25.66 12.83	25.81
12 24 13 00-0116	EA	3' High x 6' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade For Installation In Concrete Or Steel, Add For Window Top >10' Above Finished Floor, Add	414.18 30.79 15.40	30.96
12 24 13 00-0117	EA	3' High x 7' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade For Installation In Concrete Or Steel, Add For Window Top >10' Above Finished Floor, Add	463.65 35.93 17.96	36.12
12 24 13 00-0118	EA	3' High x 8' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade For Installation In Concrete Or Steel, Add For Window Top >10' Above Finished Floor, Add	508.75 41.06 20.53	41.28
12 24 13 00-0119	EA	4' High x 3' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade For Installation In Concrete Or Steel, Add For Window Top >10' Above Finished Floor, Add	302.76 15.40 7.70	15.49
12 24 13 00-0120	EA	4' High x 4' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade For Installation In Concrete Or Steel, Add For Window Top >10' Above Finished Floor, Add	326.13 20.53 10.26	20.65
12 24 13 00-0121	EA	4' High x 5' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade For Installation In Concrete Or Steel, Add For Window Top >10' Above Finished Floor, Add	382.12 25.66 12.83	25.81
12 24 13 00-0122	EA	4' High x 6' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade For Installation In Concrete Or Steel, Add For Window Top >10' Above Finished Floor, Add	459.85 30.79 15.40	30.96
12 24 13 00-0123	EA	4' High x 7' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade For Installation In Concrete Or Steel, Add For Window Top >10' Above Finished Floor, Add	509.31 35.93 17.96	36.12
12 24 13 00-0124	EA	4' High x 8' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade For Installation In Concrete Or Steel, Add For Window Top >10' Above Finished Floor, Add	530.50 41.06 20.53	41.28
12 24 13 00-0125	EA	5' High x 3' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade For Installation In Concrete Or Steel, Add For Window Top >10' Above Finished Floor, Add	324.50 15.40 7.70	15.49
12 24 13 00-0126	EA	5' High x 4' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade For Installation In Concrete Or Steel, Add For Window Top >10' Above Finished Floor, Add	345.70 20.53 10.26	20.65
12 24 13 00-0127	EA	5' High x 5' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade For Installation In Concrete Or Steel, Add For Window Top >10' Above Finished Floor, Add	412.56 25.66 12.83	25.81

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 24 13 00-0128	EA	5' High x 6' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	.....	505.51	30.96
		For Installation In Concrete Or Steel, Add	.....	30.79	
		For Window Top >10' Above Finished Floor, Add	.....	15.40	
12 24 13 00-0129	EA	5' High x 7' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	.....	554.98	36.12
		For Installation In Concrete Or Steel, Add	.....	35.93	
		For Window Top >10' Above Finished Floor, Add	.....	17.96	
12 24 13 00-0130	EA	5' High x 8' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	.....	576.16	41.28
		For Installation In Concrete Or Steel, Add	.....	41.06	
		For Window Top >10' Above Finished Floor, Add	.....	20.53	
12 24 13 00-0131	EA	6' High x 3' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	.....	348.42	15.49
		For Installation In Concrete Or Steel, Add	.....	15.40	
		For Window Top >10' Above Finished Floor, Add	.....	7.70	
12 24 13 00-0132	EA	6' High x 4' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	.....	369.61	20.65
		For Installation In Concrete Or Steel, Add	.....	20.53	
		For Window Top >10' Above Finished Floor, Add	.....	10.26	
12 24 13 00-0133	EA	6' High x 5' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	.....	443.00	25.81
		For Installation In Concrete Or Steel, Add	.....	25.66	
		For Window Top >10' Above Finished Floor, Add	.....	12.83	
12 24 13 00-0134	EA	6' High x 6' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	.....	551.17	30.96
		For Installation In Concrete Or Steel, Add	.....	30.79	
		For Window Top >10' Above Finished Floor, Add	.....	15.40	
12 24 13 00-0135	EA	6' High x 7' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	.....	600.64	36.12
		For Installation In Concrete Or Steel, Add	.....	35.93	
		For Window Top >10' Above Finished Floor, Add	.....	17.96	
12 24 13 00-0136	EA	6' High x 8' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	.....	737.06	41.28
		For Installation In Concrete Or Steel, Add	.....	41.06	
		For Window Top >10' Above Finished Floor, Add	.....	20.53	
12 24 13 00-0137	EA	7' High x 3' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	.....	370.17	15.49
		For Installation In Concrete Or Steel, Add	.....	15.40	
		For Window Top >10' Above Finished Floor, Add	.....	7.70	
12 24 13 00-0138	EA	7' High x 4' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	.....	391.36	20.65
		For Installation In Concrete Or Steel, Add	.....	20.53	
		For Window Top >10' Above Finished Floor, Add	.....	10.26	
12 24 13 00-0139	EA	7' High x 5' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	.....	471.27	25.81
		For Installation In Concrete Or Steel, Add	.....	25.66	
		For Window Top >10' Above Finished Floor, Add	.....	12.83	
12 24 13 00-0140	EA	7' High x 6' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	.....	596.83	30.96
		For Installation In Concrete Or Steel, Add	.....	30.79	
		For Window Top >10' Above Finished Floor, Add	.....	15.40	
12 24 13 00-0141	EA	7' High x 7' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	.....	646.30	36.12
		For Installation In Concrete Or Steel, Add	.....	35.93	
		For Window Top >10' Above Finished Floor, Add	.....	17.96	
12 24 13 00-0142	EA	7' High x 8' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	.....	782.73	41.28
		For Installation In Concrete Or Steel, Add	.....	41.06	
		For Window Top >10' Above Finished Floor, Add	.....	20.53	
12 24 13 00-0143	EA	8' High x 3' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	.....	394.08	15.49
		For Installation In Concrete Or Steel, Add	.....	15.40	
		For Window Top >10' Above Finished Floor, Add	.....	7.70	
12 24 13 00-0144	EA	8' High x 4' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	.....	415.28	20.65
		For Installation In Concrete Or Steel, Add	.....	20.53	
		For Window Top >10' Above Finished Floor, Add	.....	10.26	
12 24 13 00-0145	EA	8' High x 5' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	.....	503.89	25.81
		For Installation In Concrete Or Steel, Add	.....	25.66	
		For Window Top >10' Above Finished Floor, Add	.....	12.83	
12 24 13 00-0146	EA	8' High x 6' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	.....	642.49	30.96
		For Installation In Concrete Or Steel, Add	.....	30.79	
		For Window Top >10' Above Finished Floor, Add	.....	15.40	
12 24 13 00-0147	EA	8' High x 7' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	.....	709.36	36.12
		For Installation In Concrete Or Steel, Add	.....	35.93	
		For Window Top >10' Above Finished Floor, Add	.....	17.96	
12 24 13 00-0148	EA	8' High x 8' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	.....	821.87	41.28
		For Installation In Concrete Or Steel, Add	.....	41.06	
		For Window Top >10' Above Finished Floor, Add	.....	20.53	
12 24 13 00-0149	EA	9' High x 3' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	.....	415.83	15.49
		For Installation In Concrete Or Steel, Add	.....	15.40	
		For Window Top >10' Above Finished Floor, Add	.....	7.70	
12 24 13 00-0150	EA	9' High x 4' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	.....	434.85	20.65
		For Installation In Concrete Or Steel, Add	.....	20.53	
		For Window Top >10' Above Finished Floor, Add	.....	10.26	
12 24 13 00-0151	EA	9' High x 5' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	.....	536.50	25.81
		For Installation In Concrete Or Steel, Add	.....	25.66	
		For Window Top >10' Above Finished Floor, Add	.....	12.83	
12 24 13 00-0152	EA	9' High x 6' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	.....	696.85	30.96
		For Installation In Concrete Or Steel, Add	.....	30.79	
		For Window Top >10' Above Finished Floor, Add	.....	15.40	
12 24 13 00-0153	EA	9' High x 7' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	.....	746.32	36.12
		For Installation In Concrete Or Steel, Add	.....	35.93	
		For Window Top >10' Above Finished Floor, Add	.....	17.96	
12 24 13 00-0154	EA	9' High x 8' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	.....	867.53	41.28
		For Installation In Concrete Or Steel, Add	.....	41.06	
		For Window Top >10' Above Finished Floor, Add	.....	20.53	
12 24 13 00-0155	EA	10' High x 3' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	.....	437.57	15.49
		For Installation In Concrete Or Steel, Add	.....	15.40	
		For Window Top >10' Above Finished Floor, Add	.....	7.70	
12 24 13 00-0156	EA	10' High x 4' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	.....	458.76	20.65
		For Installation In Concrete Or Steel, Add	.....	20.53	
		For Window Top >10' Above Finished Floor, Add	.....	10.26	
12 24 13 00-0157	EA	10' High x 5' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	.....	564.77	25.81
		For Installation In Concrete Or Steel, Add	.....	25.66	
		For Window Top >10' Above Finished Floor, Add	.....	12.83	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 24 13 00-0158	EA	10' High x 6' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade <i>For Installation In Concrete Or Steel, Add</i> <i>For Window Top >10' Above Finished Floor, Add</i>	735.99 30.79 15.40	30.96
12 24 13 00-0159	EA	10' High x 7' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade <i>For Installation In Concrete Or Steel, Add</i> <i>For Window Top >10' Above Finished Floor, Add</i>	787.64 35.93 17.96	36.12
12 24 13 00-0160	EA	10' High x 8' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade <i>For Installation In Concrete Or Steel, Add</i> <i>For Window Top >10' Above Finished Floor, Add</i>	930.59 41.06 20.53	41.28
12 24 13 00-0161	EA	11' High x 3' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade <i>For Installation In Concrete Or Steel, Add</i> <i>For Window Top >10' Above Finished Floor, Add</i>	491.93 15.40 7.70	15.49
12 24 13 00-0162	EA	11' High x 4' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade <i>For Installation In Concrete Or Steel, Add</i> <i>For Window Top >10' Above Finished Floor, Add</i>	513.12 20.53 10.26	20.65
12 24 13 00-0163	EA	11' High x 5' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade <i>For Installation In Concrete Or Steel, Add</i> <i>For Window Top >10' Above Finished Floor, Add</i>	638.70 25.66 12.83	25.81
12 24 13 00-0164	EA	11' High x 6' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade <i>For Installation In Concrete Or Steel, Add</i> <i>For Window Top >10' Above Finished Floor, Add</i>	807.75 30.79 15.40	30.96
12 24 13 00-0165	EA	11' High x 7' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade <i>For Installation In Concrete Or Steel, Add</i> <i>For Window Top >10' Above Finished Floor, Add</i>	868.09 35.93 17.96	36.12
12 24 13 00-0166	EA	11' High x 8' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade <i>For Installation In Concrete Or Steel, Add</i> <i>For Window Top >10' Above Finished Floor, Add</i>	1,002.34 41.06 20.53	41.28
12 24 13 00-0167	EA	12' High x 3' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade <i>For Installation In Concrete Or Steel, Add</i> <i>For Window Top >10' Above Finished Floor, Add</i>	578.91 15.40 7.70	15.49
12 24 13 00-0168	EA	12' High x 4' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade <i>For Installation In Concrete Or Steel, Add</i> <i>For Window Top >10' Above Finished Floor, Add</i>	537.04 20.53 10.26	20.65
12 24 13 00-0169	EA	12' High x 5' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade <i>For Installation In Concrete Or Steel, Add</i> <i>For Window Top >10' Above Finished Floor, Add</i>	673.49 25.66 12.83	25.81
12 24 13 00-0170	EA	12' High x 6' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade <i>For Installation In Concrete Or Steel, Add</i> <i>For Window Top >10' Above Finished Floor, Add</i>	853.41 30.79 15.40	30.96
12 24 13 00-0171	EA	12' High x 7' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade <i>For Installation In Concrete Or Steel, Add</i> <i>For Window Top >10' Above Finished Floor, Add</i>	915.93 35.93 17.96	36.12
12 24 13 00-0172	EA	12' High x 8' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade <i>For Installation In Concrete Or Steel, Add</i> <i>For Window Top >10' Above Finished Floor, Add</i>	1,048.00 41.06 20.53	41.28
12 24 13 00-0173		Snaplock Fascia (12 24 13 00-0009)		
12 24 13 00-0174	EA	3' Wide Mecho Slimline, Regular Snaplock Fascia <i>For Installation In Concrete Or Steel, Add</i> <i>For Window Top >10' Above Finished Floor, Add</i>	33.43 2.57 1.28	2.58
12 24 13 00-0175	EA	4' Wide Mecho Slimline, Regular Snaplock Fascia <i>For Installation In Concrete Or Steel, Add</i> <i>For Window Top >10' Above Finished Floor, Add</i>	43.84 3.42 1.71	3.44
12 24 13 00-0176	EA	5' Wide Mecho Slimline, Regular Snaplock Fascia <i>For Installation In Concrete Or Steel, Add</i> <i>For Window Top >10' Above Finished Floor, Add</i>	54.26 4.28 2.14	4.30
12 24 13 00-0177	EA	6' Wide Mecho Slimline, Regular Snaplock Fascia <i>For Installation In Concrete Or Steel, Add</i> <i>For Window Top >10' Above Finished Floor, Add</i>	69.03 5.13 2.57	5.16
12 24 13 00-0178	EA	7' Wide Mecho Slimline, Regular Snaplock Fascia <i>For Installation In Concrete Or Steel, Add</i> <i>For Window Top >10' Above Finished Floor, Add</i>	77.27 5.99 2.99	6.02
12 24 13 00-0179	EA	8' Wide Mecho Slimline, Regular Snaplock Fascia <i>For Installation In Concrete Or Steel, Add</i> <i>For Window Top >10' Above Finished Floor, Add</i>	89.86 6.84 3.42	6.88
12 24 13 00-0180	EA	9' Wide Mecho Slimline, Regular Snaplock Fascia <i>For Installation In Concrete Or Steel, Add</i> <i>For Window Top >10' Above Finished Floor, Add</i>	102.46 7.70 3.85	7.74
12 24 13 00-0181	EA	10' Wide Mecho Slimline, Regular Snaplock Fascia <i>For Installation In Concrete Or Steel, Add</i> <i>For Window Top >10' Above Finished Floor, Add</i>	112.87 8.55 4.28	8.60
12 24 13 00-0182	EA	11' Wide Mecho Slimline, Regular Snaplock Fascia <i>For Installation In Concrete Or Steel, Add</i> <i>For Window Top >10' Above Finished Floor, Add</i>	123.29 9.41 4.70	9.46
12 24 13 00-0183	EA	12' Wide Mecho Slimline, Regular Snaplock Fascia <i>For Installation In Concrete Or Steel, Add</i> <i>For Window Top >10' Above Finished Floor, Add</i>	196.77 10.26 5.13	10.32
12 24 13 00-0184	EA	3' Wide Mecho Extended, Regular Snaplock Fascia <i>For Installation In Concrete Or Steel, Add</i> <i>For Window Top >10' Above Finished Floor, Add</i>	61.69 2.57 1.28	2.58
12 24 13 00-0185	EA	4' Wide Mecho Extended, Regular Snaplock Fascia <i>For Installation In Concrete Or Steel, Add</i> <i>For Window Top >10' Above Finished Floor, Add</i>	82.98 3.42 1.71	3.44
12 24 13 00-0186	EA	5' Wide Mecho Extended, Regular Snaplock Fascia <i>For Installation In Concrete Or Steel, Add</i> <i>For Window Top >10' Above Finished Floor, Add</i>	102.10 4.28 2.14	4.30
12 24 13 00-0187	EA	6' Wide Mecho Extended, Regular Snaplock Fascia <i>For Installation In Concrete Or Steel, Add</i> <i>For Window Top >10' Above Finished Floor, Add</i>	121.21 5.13 2.57	5.16

12 Furnishings**12 20 Window Treatments****12 24 Window Shades**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
12 24 13 00-0188	EA	7' Wide Mecho Extended, Regular Snaplock Fascia	142.50		6.02
		For Installation In Concrete Or Steel, Add	5.99		
		For Window Top >10' Above Finished Floor, Add	2.99		
12 24 13 00-0189	EA	8' Wide Mecho Extended, Regular Snaplock Fascia	161.62		6.88
		For Installation In Concrete Or Steel, Add	6.84		
		For Window Top >10' Above Finished Floor, Add	3.42		
12 24 13 00-0190	EA	9' Wide Mecho Extended, Regular Snaplock Fascia	182.91		7.74
		For Installation In Concrete Or Steel, Add	7.70		
		For Window Top >10' Above Finished Floor, Add	3.85		
12 24 13 00-0191	EA	10' Wide Mecho Extended, Regular Snaplock Fascia	206.37		8.60
		For Installation In Concrete Or Steel, Add	8.55		
		For Window Top >10' Above Finished Floor, Add	4.28		
12 24 13 00-0192	EA	11' Wide Mecho Extended, Regular Snaplock Fascia	223.31		9.46
		For Installation In Concrete Or Steel, Add	9.41		
		For Window Top >10' Above Finished Floor, Add	4.70		
12 24 13 00-0193	EA	12' Wide Mecho Extended, Regular Snaplock Fascia	366.37		10.32
		For Installation In Concrete Or Steel, Add	10.26		
		For Window Top >10' Above Finished Floor, Add	5.13		
12 24 13 00-0194 Room Darkening Sill And Side Channel (12 24 13 00-0009)					
12 24 13 00-0195	EA	36" Wide, 1-15/16" Single Mecho Room Darkening Sill And Side Channel	45.92		7.74
		For Installation In Concrete Or Steel, Add	7.70		
		For Window Top >10' Above Finished Floor, Add	3.85		
12 24 13 00-0196	EA	48" Wide, 1-15/16" Single Mecho Room Darkening Sill And Side Channel	59.78		10.32
		For Installation In Concrete Or Steel, Add	10.26		
		For Window Top >10' Above Finished Floor, Add	5.13		
12 24 13 00-0197	EA	60" Wide, 1-15/16" Single Mecho Room Darkening Sill And Side Channel	78.00		12.91
		For Installation In Concrete Or Steel, Add	12.83		
		For Window Top >10' Above Finished Floor, Add	6.42		
12 24 13 00-0198	EA	72" Wide, 1-15/16" Single Mecho Room Darkening Sill And Side Channel	94.02		15.49
		For Installation In Concrete Or Steel, Add	15.40		
		For Window Top >10' Above Finished Floor, Add	7.70		
12 24 13 00-0199	EA	84" Wide, 1-15/16" Single Mecho Room Darkening Sill And Side Channel	107.88		18.07
		For Installation In Concrete Or Steel, Add	17.96		
		For Window Top >10' Above Finished Floor, Add	8.98		
12 24 13 00-0200	EA	96" Wide, 1-15/16" Single Mecho Room Darkening Sill And Side Channel	123.91		20.65
		For Installation In Concrete Or Steel, Add	20.53		
		For Window Top >10' Above Finished Floor, Add	10.26		
12 24 13 00-0201	EA	108" Wide, 1-15/16" Single Mecho Room Darkening Sill And Side Channel	139.95		23.23
		For Installation In Concrete Or Steel, Add	23.10		
		For Window Top >10' Above Finished Floor, Add	11.55		
12 24 13 00-0202	EA	120" Wide, 1-15/16" Single Mecho Room Darkening Sill And Side Channel	153.81		25.81
		For Installation In Concrete Or Steel, Add	25.66		
		For Window Top >10' Above Finished Floor, Add	12.83		
12 24 13 00-0203	EA	132" Wide, 1-15/16" Single Mecho Room Darkening Sill And Side Channel	167.66		28.39
		For Installation In Concrete Or Steel, Add	28.23		
		For Window Top >10' Above Finished Floor, Add	14.11		
12 24 13 00-0204	EA	144" Wide, 1-15/16" Single Mecho Room Darkening Sill And Side Channel	183.70		30.96
		For Installation In Concrete Or Steel, Add	30.79		
		For Window Top >10' Above Finished Floor, Add	15.40		
12 24 13 00-0205	EA	36" Wide, 2-5/8" Double Mecho Room Darkening Sill And Side Channel	45.92		7.74
		For Installation In Concrete Or Steel, Add	7.70		
		For Window Top >10' Above Finished Floor, Add	3.85		
12 24 13 00-0206	EA	48" Wide, 2-5/8" Double Mecho Room Darkening Sill And Side Channel	96.74		10.32
		For Installation In Concrete Or Steel, Add	10.26		
		For Window Top >10' Above Finished Floor, Add	5.13		
12 24 13 00-0207	EA	60" Wide, 2-5/8" Double Mecho Room Darkening Sill And Side Channel	121.48		12.91
		For Installation In Concrete Or Steel, Add	12.83		
		For Window Top >10' Above Finished Floor, Add	6.42		
12 24 13 00-0208	EA	72" Wide, 2-5/8" Double Mecho Room Darkening Sill And Side Channel	141.85		15.49
		For Installation In Concrete Or Steel, Add	15.40		
		For Window Top >10' Above Finished Floor, Add	7.70		
12 24 13 00-0209	EA	84" Wide, 2-5/8" Double Mecho Room Darkening Sill And Side Channel	168.76		18.07
		For Installation In Concrete Or Steel, Add	17.96		
		For Window Top >10' Above Finished Floor, Add	8.98		
12 24 13 00-0210	EA	96" Wide, 2-5/8" Double Mecho Room Darkening Sill And Side Channel	191.31		20.65
		For Installation In Concrete Or Steel, Add	20.53		
		For Window Top >10' Above Finished Floor, Add	10.26		
12 24 13 00-0211	EA	108" Wide, 2-5/8" Double Mecho Room Darkening Sill And Side Channel	226.93		23.23
		For Installation In Concrete Or Steel, Add	23.10		
		For Window Top >10' Above Finished Floor, Add	11.55		
12 24 13 00-0212	EA	120" Wide, 2-5/8" Double Mecho Room Darkening Sill And Side Channel	251.65		25.81
		For Installation In Concrete Or Steel, Add	25.66		
		For Window Top >10' Above Finished Floor, Add	12.83		
12 24 13 00-0213	EA	132" Wide, 2-5/8" Double Mecho Room Darkening Sill And Side Channel	278.56		28.39
		For Installation In Concrete Or Steel, Add	28.23		
		For Window Top >10' Above Finished Floor, Add	14.11		
12 24 13 00-0214	EA	144" Wide, 2-5/8" Double Mecho Room Darkening Sill And Side Channel	301.11		30.96
		For Installation In Concrete Or Steel, Add	30.79		
		For Window Top >10' Above Finished Floor, Add	15.40		
12 24 13 00-0215	EA	36" Wide, 2-1/2" Single Mecho Room Darkening Sill And Side Channel	58.97		7.74
		For Installation In Concrete Or Steel, Add	7.70		
		For Window Top >10' Above Finished Floor, Add	3.85		
12 24 13 00-0216	EA	48" Wide, 2-1/2" Single Mecho Room Darkening Sill And Side Channel	81.52		10.32
		For Installation In Concrete Or Steel, Add	10.26		
		For Window Top >10' Above Finished Floor, Add	5.13		
12 24 13 00-0217	EA	60" Wide, 2-1/2" Single Mecho Room Darkening Sill And Side Channel	101.91		12.91
		For Installation In Concrete Or Steel, Add	12.83		
		For Window Top >10' Above Finished Floor, Add	6.42		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 24 13 00-0218	EA	72" Wide, 2-1/2" Single Mecho Room Darkening Sill And Side Channel..... <i>For Installation In Concrete Or Steel, Add</i> <i>For Window Top >10' Above Finished Floor, Add</i>	122.28 15.40 7.70	15.49
12 24 13 00-0219	EA	84" Wide, 2-1/2" Single Mecho Room Darkening Sill And Side Channel..... <i>For Installation In Concrete Or Steel, Add</i> <i>For Window Top >10' Above Finished Floor, Add</i>	140.49 17.96 8.98	18.07
12 24 13 00-0220	EA	96" Wide, 2-1/2" Single Mecho Room Darkening Sill And Side Channel..... <i>For Installation In Concrete Or Steel, Add</i> <i>For Window Top >10' Above Finished Floor, Add</i>	160.87 20.53 10.26	20.65
12 24 13 00-0221	EA	108" Wide, 2-1/2" Single Mecho Room Darkening Sill And Side Channel..... <i>For Installation In Concrete Or Steel, Add</i> <i>For Window Top >10' Above Finished Floor, Add</i>	181.26 23.10 11.55	23.23
12 24 13 00-0222	EA	120" Wide, 2-1/2" Single Mecho Room Darkening Sill And Side Channel..... <i>For Installation In Concrete Or Steel, Add</i> <i>For Window Top >10' Above Finished Floor, Add</i>	199.47 25.66 12.83	25.81
12 24 13 00-0223	EA	132" Wide, 2-1/2" Single Mecho Room Darkening Sill And Side Channel..... <i>For Installation In Concrete Or Steel, Add</i> <i>For Window Top >10' Above Finished Floor, Add</i>	219.85 28.23 14.11	28.39
12 24 13 00-0224	EA	144" Wide, 2-1/2" Single Mecho Room Darkening Sill And Side Channel..... <i>For Installation In Concrete Or Steel, Add</i> <i>For Window Top >10' Above Finished Floor, Add</i>	242.41 30.79 15.40	30.96
12 24 13 00-0225	EA	36" Wide, 5" Double Mecho Room Darkening Sill And Side Channel..... <i>For Installation In Concrete Or Steel, Add</i> <i>For Window Top >10' Above Finished Floor, Add</i>	104.63 7.70 3.85	7.74
12 24 13 00-0226	EA	48" Wide, 5" Double Mecho Room Darkening Sill And Side Channel..... <i>For Installation In Concrete Or Steel, Add</i> <i>For Window Top >10' Above Finished Floor, Add</i>	135.88 10.26 5.13	10.32
12 24 13 00-0227	EA	60" Wide, 5" Double Mecho Room Darkening Sill And Side Channel..... <i>For Installation In Concrete Or Steel, Add</i> <i>For Window Top >10' Above Finished Floor, Add</i>	169.32 12.83 6.42	12.91
12 24 13 00-0228	EA	72" Wide, 5" Double Mecho Room Darkening Sill And Side Channel..... <i>For Installation In Concrete Or Steel, Add</i> <i>For Window Top >10' Above Finished Floor, Add</i>	207.09 15.40 7.70	15.49
12 24 13 00-0229	EA	84" Wide, 5" Double Mecho Room Darkening Sill And Side Channel..... <i>For Installation In Concrete Or Steel, Add</i> <i>For Window Top >10' Above Finished Floor, Add</i>	238.34 17.96 8.98	18.07
12 24 13 00-0230	EA	96" Wide, 5" Double Mecho Room Darkening Sill And Side Channel..... <i>For Installation In Concrete Or Steel, Add</i> <i>For Window Top >10' Above Finished Floor, Add</i>	273.94 20.53 10.26	20.65
12 24 13 00-0231	EA	108" Wide, 5" Double Mecho Room Darkening Sill And Side Channel..... <i>For Installation In Concrete Or Steel, Add</i> <i>For Window Top >10' Above Finished Floor, Add</i>	307.38 23.10 11.55	23.23
12 24 13 00-0232	EA	120" Wide, 5" Double Mecho Room Darkening Sill And Side Channel..... <i>For Installation In Concrete Or Steel, Add</i> <i>For Window Top >10' Above Finished Floor, Add</i>	342.98 25.66 12.83	25.81
12 24 13 00-0233	EA	132" Wide, 5" Double Mecho Room Darkening Sill And Side Channel..... <i>For Installation In Concrete Or Steel, Add</i> <i>For Window Top >10' Above Finished Floor, Add</i>	374.23 28.23 14.11	28.39
12 24 13 00-0234	EA	144" Wide, 5" Double Mecho Room Darkening Sill And Side Channel..... <i>For Installation In Concrete Or Steel, Add</i> <i>For Window Top >10' Above Finished Floor, Add</i>	407.66 30.79 15.40	30.96

12 25 Window Treatment Operating Hardware (12 20)

12 25 09 Window Treatment Control System (12 25)

12 25 09 00-0001		Motorized Lightproof Shades (12 25 09)		
12 25 09 00-0002	SF	Motorized Lightproof Shades, Up To 144" Width.....	41.78	2.77

12 25 13 Motorized Drapery Rods (12 25)

12 25 13 00-0001		Motorized Drapery Track (12 25 13)		
12 25 13 00-0002	EA	2' To 4' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	1,421.22	129.24
12 25 13 00-0003	EA	>4' To 5' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	1,483.87	142.16
12 25 13 00-0004	EA	>5' To 6' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	1,546.53	155.09
12 25 13 00-0005	EA	>6' To 7' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	1,609.18	168.01
12 25 13 00-0006	EA	>7' To 8' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	1,671.84	180.92
12 25 13 00-0007	EA	>8' To 9' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	1,734.50	193.85
12 25 13 00-0008	EA	>9' To 10' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	1,797.14	206.77
12 25 13 00-0009	EA	>10' To 11' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	1,859.80	219.70
12 25 13 00-0010	EA	>11' To 12' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	1,922.46	232.62
12 25 13 00-0011	EA	>12' To 13' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	1,985.11	245.54
12 25 13 00-0012	EA	>13' To 14' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	2,047.76	258.47
12 25 13 00-0013	EA	>14' To 15' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	2,110.41	271.39
12 25 13 00-0014	EA	>15' To 16' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	2,173.06	284.31
12 25 13 00-0015	EA	>16' To 17' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	2,235.72	297.24
12 25 13 00-0016	EA	>17' To 18' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	2,298.37	310.16
12 25 13 00-0017	EA	>18' To 19' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	2,361.02	323.09
12 25 13 00-0018	EA	>19' To 20' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	2,423.68	336.01
12 25 13 00-0019	EA	>20' To 21' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	2,486.34	348.93
12 25 13 00-0020	EA	>21' To 22' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	2,548.99	361.86
12 25 13 00-0021	EA	>22' To 23' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	2,611.64	374.78
12 25 13 00-0022	EA	>23' To 24' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	2,674.30	387.71

12 30 Casework (12)

12	12	Furnishings
	12 30	Casework
	12 25	Window Treatment Operating Hardware



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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12 31 Manufactured Metal Casework (12 30)

12 31 16 Manufactured Metal Sandwich Panel Casework (12 31)

12 31 16 00-0001	34-1/2" High x 24" Deep, Stainless Steel Cabinets (12 31 16)		
12 31 16 00-0002	18 Gauge, #4 Finish, 304 Stainless Steel Base Cabinets (12 31 16 00-0001)		
12 31 16 00-0003	18" Stainless Steel Base Cabinet (12 31 16 00-0002)		
12 31 16 00-0004	EA 18" Stainless Steel Base Cabinet, No Doors Or Drawers	2,057.03	315.82
	For 16 Gauge Stainless Steel, Add	306.42	
	For >5 To 9, Deduct	-74.82	
	For >9, Deduct	-149.64	
12 31 16 00-0005	EA 18" Stainless Steel Base Cabinet, With 4 Drawers	3,267.54	315.82
	For 16 Gauge Stainless Steel, Add	566.68	
	For >5 To 9, Deduct	-138.37	
	For >9, Deduct	-276.75	
12 31 16 00-0006	EA 18" Stainless Steel Base Cabinet, With 3 Drawers	3,039.13	315.82
	For 16 Gauge Stainless Steel, Add	517.57	
	For >5 To 9, Deduct	-126.38	
	For >9, Deduct	-252.77	
12 31 16 00-0007	EA 18" Stainless Steel Base Cabinet, With 2 Drawers	2,810.71	315.82
	For 16 Gauge Stainless Steel, Add	468.46	
	For >5 To 9, Deduct	-114.39	
	For >9, Deduct	-228.78	
12 31 16 00-0008	EA 18" Stainless Steel Base Cabinet, With Doors And Drawers	2,733.20	315.82
	For 16 Gauge Stainless Steel, Add	451.79	
	For >5 To 9, Deduct	-110.32	
	For >9, Deduct	-220.64	

12 31 16 00-0009 24" Stainless Steel Base Cabinet (12 31 16 00-0002)

12 31 16 00-0010	EA 24" Stainless Steel Base Cabinet, With Doors And Locks	2,930.17	341.34
	For 16 Gauge Stainless Steel, Add	483.10	
	For >5 To 9, Deduct	-117.97	
	For >9, Deduct	-235.93	
12 31 16 00-0011	EA 24" Stainless Steel Base Cabinet, With Door, No Locks	2,651.45	341.34
	For 16 Gauge Stainless Steel, Add	423.18	
	For >5 To 9, Deduct	-103.33	
	For >9, Deduct	-206.67	
12 31 16 00-0012	EA 24" Stainless Steel Base Cabinet, With Two Doors, No Locks	2,712.47	341.34
	For 16 Gauge Stainless Steel, Add	436.30	
	For >5 To 9, Deduct	-106.54	
	For >9, Deduct	-213.08	
12 31 16 00-0013	EA 24" Stainless Steel Base Cabinet, No Doors, 2 Drawers	2,996.13	341.34
	For 16 Gauge Stainless Steel, Add	497.28	
	For >5 To 9, Deduct	-121.43	
	For >9, Deduct	-242.86	
12 31 16 00-0014	EA 24" Stainless Steel Base Cabinet, With Doors And Drawers, No Locks	3,856.19	341.34
	For 16 Gauge Stainless Steel, Add	682.20	
	For >5 To 9, Deduct	-166.58	
	For >9, Deduct	-333.17	
12 31 16 00-0015	EA 24" Stainless Steel Base Cabinet, With Doors And Drawers, With Locks	4,224.79	341.34
	For 16 Gauge Stainless Steel, Add	761.45	
	For >5 To 9, Deduct	-185.93	
	For >9, Deduct	-371.87	

12 31 16 00-0016 30" Stainless Steel Base Cabinet (12 31 16 00-0002)

12 31 16 00-0017	EA 30" Stainless Steel Base Cabinet, No Doors, No Drawers	2,601.07	359.70
	For 16 Gauge Stainless Steel, Add	404.62	
	For >5 To 9, Deduct	-98.80	
	For >9, Deduct	-197.60	
12 31 16 00-0018	EA 30" Stainless Steel Base Cabinet, With 4 Full Size Drawers	3,719.23	359.70
	For 16 Gauge Stainless Steel, Add	645.02	
	For >5 To 9, Deduct	-157.51	
	For >9, Deduct	-315.01	
12 31 16 00-0019	EA 30" Stainless Steel Base Cabinet, With Doors, Drawers And Locks	4,747.51	359.70
	For 16 Gauge Stainless Steel, Add	866.10	
	For >5 To 9, Deduct	-211.49	
	For >9, Deduct	-422.98	
12 31 16 00-0020	EA 30" Stainless Steel Base Cabinet, With Doors And Drawers, No Locks	4,378.91	359.70
	For 16 Gauge Stainless Steel, Add	786.85	
	For >5 To 9, Deduct	-192.14	
	For >9, Deduct	-384.28	
12 31 16 00-0021	EA 30" Stainless Steel Base Cabinet, With Doors And One Full Size Drawer	4,150.50	359.70
	For 16 Gauge Stainless Steel, Add	737.74	
	For >5 To 9, Deduct	-180.15	
	For >9, Deduct	-360.29	
12 31 16 00-0022	EA 30" Stainless Steel Base Cabinet, With Doors, No Locks	3,223.65	359.70
	For 16 Gauge Stainless Steel, Add	538.47	
	For >5 To 9, Deduct	-131.49	
	For >9, Deduct	-262.97	
12 31 16 00-0023	EA 30" Stainless Steel Base Cabinet, With Doors And Locks	3,195.61	359.70
	For 16 Gauge Stainless Steel, Add	532.44	
	For >5 To 9, Deduct	-130.02	
	For >9, Deduct	-260.03	

Furnishings			12
Casework			12 30
Manufactured Metal Casework			12 31

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0024			36" Stainless Steel Base Cabinet (12 31 16 00-0002)		
12 31 16 00-0025	EA		36" Stainless Steel Base Cabinet, No Doors, No Drawers	2,864.90	373.98
			For 16 Gauge Stainless Steel, Add	454.99	
			For >5 To 9, Deduct	-111.10	
			For >9, Deduct	-222.20	
12 31 16 00-0026	EA		36" Stainless Steel Base Cabinet, With Doors And Locks	3,460.26	373.98
			For 16 Gauge Stainless Steel, Add	582.99	
			For >5 To 9, Deduct	-142.36	
			For >9, Deduct	-284.72	
12 31 16 00-0027	EA		36" Stainless Steel Base Cabinet, With Door, No Lock	3,240.92	373.98
			For 16 Gauge Stainless Steel, Add	535.83	
			For >5 To 9, Deduct	-130.84	
			For >9, Deduct	-261.69	
12 31 16 00-0028	EA		36" Stainless Steel Base Cabinet, With Doors, Drawers And Lock	5,008.86	373.98
			For 16 Gauge Stainless Steel, Add	915.94	
			For >5 To 9, Deduct	-223.66	
			For >9, Deduct	-447.32	
12 31 16 00-0029	EA		36" Stainless Steel Base Cabinet, With Doors, Drawers, No Locks	4,641.09	373.98
			For 16 Gauge Stainless Steel, Add	836.87	
			For >5 To 9, Deduct	-204.35	
			For >9, Deduct	-408.70	
12 31 16 00-0030			42" Stainless Steel Base Cabinet (12 31 16 00-0002)		
12 31 16 00-0031	EA		42" Stainless Steel Base Cabinet, No Doors, No Drawers	3,009.16	397.44
			For 16 Gauge Stainless Steel, Add	476.05	
			For >5 To 9, Deduct	-116.24	
			For >9, Deduct	-232.49	
12 31 16 00-0032	EA		42" Stainless Steel Base Cabinet, With Doors, Drawers And Lock	5,284.23	397.44
			For 16 Gauge Stainless Steel, Add	965.19	
			For >5 To 9, Deduct	-235.69	
			For >9, Deduct	-471.37	
12 31 16 00-0033	EA		42" Stainless Steel Base Cabinet, With Doors, Drawers, No Lock	4,915.64	397.44
			For 16 Gauge Stainless Steel, Add	885.94	
			For >5 To 9, Deduct	-216.34	
			For >9, Deduct	-432.67	
12 31 16 00-0034	EA		42" Stainless Steel Base Cabinet, No Doors, 2 Drawers	4,533.85	397.44
			For 16 Gauge Stainless Steel, Add	803.86	
			For >5 To 9, Deduct	-196.29	
			For >9, Deduct	-392.58	
12 31 16 00-0035	EA		42" Stainless Steel Base Cabinet, With Doors, No Lock	3,517.11	397.44
			For 16 Gauge Stainless Steel, Add	585.26	
			For >5 To 9, Deduct	-142.91	
			For >9, Deduct	-285.82	
12 31 16 00-0036	EA		42" Stainless Steel Base Cabinet, With Doors And Lock	3,733.16	397.44
			For 16 Gauge Stainless Steel, Add	631.71	
			For >5 To 9, Deduct	-154.25	
			For >9, Deduct	-308.51	
12 31 16 00-0037			48" Stainless Steel Base Cabinet (12 31 16 00-0002)		
12 31 16 00-0038	EA		48" Stainless Steel Base Cabinet, With Doors, Drawers And Lock	5,538.00	406.63
			For 16 Gauge Stainless Steel, Add	1,015.94	
			For >5 To 9, Deduct	-248.08	
			For >9, Deduct	-496.16	
12 31 16 00-0039	EA		48" Stainless Steel Base Cabinet, With Doors, Drawers, No Lock	5,170.23	406.63
			For 16 Gauge Stainless Steel, Add	936.87	
			For >5 To 9, Deduct	-228.77	
			For >9, Deduct	-457.54	
12 31 16 00-0040	EA		48" Stainless Steel Base Cabinet, No Doors, No Drawers	3,262.93	406.63
			For 16 Gauge Stainless Steel, Add	526.80	
			For >5 To 9, Deduct	-128.64	
			For >9, Deduct	-257.28	
12 31 16 00-0041	EA		48" Stainless Steel Base Cabinet, No Doors, 2 Drawers	4,788.44	406.63
			For 16 Gauge Stainless Steel, Add	854.79	
			For >5 To 9, Deduct	-208.73	
			For >9, Deduct	-417.45	
12 31 16 00-0042	EA		48" Stainless Steel Base Cabinet, With Doors, And Lock	3,989.40	406.63
			For 16 Gauge Stainless Steel, Add	682.99	
			For >5 To 9, Deduct	-166.78	
			For >9, Deduct	-333.55	
12 31 16 00-0043	EA		48" Stainless Steel Base Cabinet, With Doors, No Locks	3,930.03	406.63
			For 16 Gauge Stainless Steel, Add	670.23	
			For >5 To 9, Deduct	-163.66	
			For >9, Deduct	-327.32	
12 31 16 00-0044			60" Stainless Steel Base Cabinet (12 31 16 00-0002)		
12 31 16 00-0045	EA		24" Deep x 60" Wide Stainless Steel Sink Base Cabinet	3,894.86	419.01
			For 16 Gauge Stainless Steel, Add	657.31	
			For >5 To 9, Deduct	-160.51	
			For >9, Deduct	-321.01	
12 31 16 00-0046			18 Gauge, #4 Finish, 304 Stainless Steel Wall Cabinets (12 31 16 00-0001)		
12 31 16 00-0047			12" Wide Stainless Steel Wall Cabinets (12 31 16 00-0046)		

12 Furnishings**12 30 Casework****12 31 Manufactured Metal Casework**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
12 31 16 00-0048	EA 12"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,546.72 280.84 -68.58 -137.15		120.24	
12 31 16 00-0049	EA 12"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,543.70 277.05 -67.65 -135.30		127.52	
12 31 16 00-0050	18" Wide Stainless Steel Wall Cabinets (12 31 16 00-0046)				
12 31 16 00-0051	EA 18"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,622.72 293.26 -71.61 -143.22		129.27	
12 31 16 00-0052	EA 18"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,532.83 273.93 -66.89 -133.78		129.27	
12 31 16 00-0053	EA 18"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,793.88 325.19 -79.41 -158.81		140.64	
12 31 16 00-0054	EA 18"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,738.63 313.31 -76.51 -153.01		140.64	
12 31 16 00-0055	24" Wide Stainless Steel Wall Cabinets (12 31 16 00-0046)				
12 31 16 00-0056	EA 24"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Door..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,360.74 231.04 -56.42 -112.83		143.12	
12 31 16 00-0057	EA 24"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,830.76 332.09 -81.09 -162.18		143.12	
12 31 16 00-0058	EA 24"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,741.70 312.94 -76.42 -152.83		143.12	
12 31 16 00-0059	EA 24"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,723.21 312.96 -76.42 -152.84		133.65	
12 31 16 00-0060	EA 24"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,628.38 292.57 -71.44 -142.88		133.65	
12 31 16 00-0061	EA 24"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Glass Door, No Lock..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	2,072.84 388.13 -94.78 -189.55		133.65	
12 31 16 00-0062	EA 24"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,247.42 210.67 -51.44 -102.88		133.65	
12 31 16 00-0063	EA 24"W x 12"D x 18"H Stainless Steel Wall Cabinet, No Doors..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,175.10 197.80 -48.30 -96.60		127.52	
12 31 16 00-0064	30" Wide Stainless Steel Wall Cabinets (12 31 16 00-0046)				
12 31 16 00-0065	EA 30"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	2,363.36 442.75 -108.11 -216.23		152.01	
12 31 16 00-0066	EA 30"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	2,147.31 396.30 -96.77 -193.54		152.01	
12 31 16 00-0067	EA 30"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,460.42 248.62 -60.71 -121.42		152.01	
12 31 16 00-0068	EA 30"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	2,246.49 422.81 -103.24 -206.49		139.92	
12 31 16 00-0069	EA 30"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Lock..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	2,030.45 376.36 -91.90 -183.81		139.92	
12 31 16 00-0070	EA 30"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,343.56 228.68 -55.84 -111.68		139.92	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0071	EA		30"W x 12"D x 18"H Stainless Steel Wall Cabinet, No Doors.....	1,270.72	133.36
			For 16 Gauge Stainless Steel, Add	215.88	
			For >5 To 9, Deduct	-52.72	
			For >9, Deduct	-105.43	
12 31 16 00-0072			36" Wide Stainless Steel Wall Cabinets (12 31 16 00-0046)		
12 31 16 00-0073	EA		36"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks.....	2,457.16	156.39
			For 16 Gauge Stainless Steel, Add	461.05	
			For >5 To 9, Deduct	-112.58	
			For >9, Deduct	-225.16	
12 31 16 00-0074	EA		36"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	2,236.17	156.39
			For 16 Gauge Stainless Steel, Add	413.54	
			For >5 To 9, Deduct	-100.98	
			For >9, Deduct	-201.96	
12 31 16 00-0075	EA		36"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors.....	1,554.23	156.39
			For 16 Gauge Stainless Steel, Add	266.92	
			For >5 To 9, Deduct	-65.18	
			For >9, Deduct	-130.36	
12 31 16 00-0076	EA		36"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks.....	2,338.71	143.12
			For 16 Gauge Stainless Steel, Add	441.30	
			For >5 To 9, Deduct	-107.76	
			For >9, Deduct	-215.52	
12 31 16 00-0077	EA		36"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks	2,123.49	143.12
			For 16 Gauge Stainless Steel, Add	395.03	
			For >5 To 9, Deduct	-96.46	
			For >9, Deduct	-192.92	
12 31 16 00-0078	EA		36"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors.....	1,435.77	143.12
			For 16 Gauge Stainless Steel, Add	247.17	
			For >5 To 9, Deduct	-60.36	
			For >9, Deduct	-120.71	
12 31 16 00-0079	EA		36"W x 12"D x 18"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,364.41	136.27
			For 16 Gauge Stainless Steel, Add	234.74	
			For >5 To 9, Deduct	-57.32	
			For >9, Deduct	-114.64	
12 31 16 00-0080			42" Wide Stainless Steel Wall Cabinets (12 31 16 00-0046)		
12 31 16 00-0081	EA		42"W x 12"D x 42"H Stainless Steel Wall Cabinet, With Doors, No Locks	2,586.18	196.75
			For 16 Gauge Stainless Steel, Add	471.49	
			For >5 To 9, Deduct	-115.13	
			For >9, Deduct	-230.26	
12 31 16 00-0082	EA		42"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks.....	2,586.92	185.67
			For 16 Gauge Stainless Steel, Add	476.39	
			For >5 To 9, Deduct	-116.33	
			For >9, Deduct	-232.65	
12 31 16 00-0083	EA		42"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	2,367.57	185.67
			For 16 Gauge Stainless Steel, Add	429.23	
			For >5 To 9, Deduct	-104.81	
			For >9, Deduct	-209.62	
12 31 16 00-0084	EA		42"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors.....	1,682.33	185.67
			For 16 Gauge Stainless Steel, Add	281.90	
			For >5 To 9, Deduct	-68.84	
			For >9, Deduct	-137.67	
12 31 16 00-0085	EA		42"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks.....	2,432.68	155.94
			For 16 Gauge Stainless Steel, Add	455.98	
			For >5 To 9, Deduct	-111.34	
			For >9, Deduct	-222.69	
12 31 16 00-0086	EA		42"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks	2,214.99	155.94
			For 16 Gauge Stainless Steel, Add	409.17	
			For >5 To 9, Deduct	-99.91	
			For >9, Deduct	-199.83	
12 31 16 00-0087	EA		42"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors.....	1,529.74	155.94
			For 16 Gauge Stainless Steel, Add	261.84	
			For >5 To 9, Deduct	-63.94	
			For >9, Deduct	-127.88	
12 31 16 00-0088			48" Wide Stainless Steel Wall Cabinets (12 31 16 00-0046)		
12 31 16 00-0089	EA		48"W x 12"D x 42"H Stainless Steel Wall Cabinet, No Doors, No Locks	2,285.32	196.75
			For 16 Gauge Stainless Steel, Add	405.10	
			For >5 To 9, Deduct	-98.92	
			For >9, Deduct	-197.84	
12 31 16 00-0090	EA		48"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks.....	2,678.87	189.76
			For 16 Gauge Stainless Steel, Add	494.35	
			For >5 To 9, Deduct	-120.71	
			For >9, Deduct	-241.43	
12 31 16 00-0091	EA		48"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	2,462.83	189.76
			For 16 Gauge Stainless Steel, Add	447.91	
			For >5 To 9, Deduct	-109.37	
			For >9, Deduct	-218.74	
12 31 16 00-0092	EA		48"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors.....	1,775.94	189.76
			For 16 Gauge Stainless Steel, Add	300.22	
			For >5 To 9, Deduct	-73.31	
			For >9, Deduct	-146.62	
12 31 16 00-0093	EA		48"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks.....	2,522.93	157.40
			For 16 Gauge Stainless Steel, Add	474.70	
			For >5 To 9, Deduct	-115.92	
			For >9, Deduct	-231.83	

12 Furnishings**12 30 Casework****12 31 Manufactured Metal Casework**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

12 31 16 00-0094	EA	48"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks.....	2,307.71	157.40
		<i>For 16 Gauge Stainless Steel, Add</i>	428.43	
		<i>For >5 To 9, Deduct</i>	-104.62	
		<i>For >9, Deduct</i>	-209.23	
12 31 16 00-0095	EA	48"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors.....	1,620.00	157.40
		<i>For 16 Gauge Stainless Steel, Add</i>	280.57	
		<i>For >5 To 9, Deduct</i>	-68.51	
		<i>For >9, Deduct</i>	-137.02	

12 31 16 00-0096 Accessories (12 31 16 00-0001)**12 31 16 00-0097 Stainless Steel Countertops** (12 31 16 00-0096)

Note: Includes all finishes, finished ends and all edge types such as straight, bullnose, eased, marine, etc.
Excludes sinks.

12 31 16 00-0098	SF	16 Gauge Stainless Steel Countertop With Backsplash	98.31	8.02
		<i>For 14 Gauge Stainless Steel, Add</i>	18.18	
12 31 16 00-0099	SF	16 Gauge Stainless Steel Countertop Without Backsplash	90.61	8.02
		<i>For 14 Gauge Stainless Steel, Add</i>	16.48	
12 31 16 00-0100	EA	Cutout For Sink And/or Faucet In Stainless Steel Countertop	192.51	

12 31 16 00-0101 Stainless Steel Wall Panels (12 31 16 00-0096)

12 31 16 00-0102	SF	20 Gauge Stainless Steel Wall Panel	42.43	11.95
		<i>For 18 Gauge Stainless Steel, Add</i>	5.04	
		<i>For 16 Gauge Stainless Steel, Add</i>	9.71	

12 31 16 00-0103 Pedestal Legs (12 31 16 00-0096)

12 31 16 00-0104	EA	Type #304 Stainless Steel Pedestal Leg	334.41	18.22
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12 31 16 00-0105 Stainless Steel Slanted Cabinet Top Enclosure (12 31 16 00-0096)

12 31 16 00-0106	EA	Stainless Steel Slanted Cabinet Top Enclosure, 5' Sections	366.22	32.09
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12 35 Specialty Casework (12 30)**12 35 59 Display Casework** (12 35)

See CSI section 10 12 00 00-0000 for display cases.

12 35 70 Healthcare Casework (12 35)**12 35 70 13 Hospital Casework** (12 35 70)**12 35 70 13-0001 Modular Casework** (12 35 70 13)

Note: Midmark.

12 35 70 13-0002	EA	36" High, 2 Doors, Base Sink Unit (Midmark MC-SBS005-243624)	950.93	91.67
12 35 70 13-0003	EA	36" High, 2 Doors, Base Sink Unit (Midmark MC-SBS005-363624)	1,179.52	114.60
12 35 70 13-0004	EA	36" High, 2 Doors, Base Sink Unit With Tap Master Valve (Midmark MC-SBS009-243624)	1,655.24	91.67
12 35 70 13-0005	EA	36" High Base Sink Unit, 2 Doors With Tap Master Valve (Midmark MC-SBS009-363624)	1,900.73	114.60
12 35 70 13-0006	EA	36" High Base Storage Unit, 1 Door (Midmark MC-SBP006-243624)	1,076.30	91.67
12 35 70 13-0007	EA	36" High Base Storage Unit, 2 Doors (Midmark MC-SBP007-363624)	1,447.15	114.60
12 35 70 13-0008	EA	36" High Base Storage Unit, 1 4" Drawer, 1 Door (Midmark MC-SBP012-153624)	1,080.52	91.67
12 35 70 13-0009	EA	36" High Base Storage Unit, 1 4" Drawer, 1 Door (Midmark MC-SBP012-183624)	1,163.63	91.67
12 35 70 13-0010	EA	36" High Base Storage Unit, 1 4" Drawer, 1 Door (Midmark MC-SBP012-213624)	1,235.47	91.67
12 35 70 13-0011	EA	36" High Base Storage Unit, 1 4" Drawer, 2 Doors (Midmark MC-SBP013-303624)	1,544.35	114.60
12 35 70 13-0012	EA	36" High Base Storage Unit, 1 4" Drawer, 2 Doors (Midmark MC-SBP013-363624)	1,568.30	114.60
12 35 70 13-0013	EA	36" High Base Storage Unit, 2 4" Drawer, 2 Doors (Midmark MC-SBP020-243624)	1,450.99	91.67
12 35 70 13-0014	EA	36" High Base Storage Unit, 2 4" Drawer, 2 Doors (Midmark MC-SBP020-303624)	1,685.21	114.60
12 35 70 13-0015	EA	36" High Base Storage Unit, 2 4" Drawer, 2 Doors (Midmark MC-SBP020-363624)	1,737.33	114.60
12 35 70 13-0016	EA	36" High Base Storage Unit, 1 4" Drawer, 2 8" Drawers (Midmark MC-SBP024-123624)	1,269.28	91.67
12 35 70 13-0017	EA	36" High Base Storage Unit, 1 4" Drawer, 2 8" Drawers (Midmark MC-SBP024-153624)	1,305.90	91.67
12 35 70 13-0018	EA	36" High Base Storage Unit, 1 4" Drawer, 2 8" Drawers (Midmark MC-SBP024-183624)	1,400.28	91.67
12 35 70 13-0019	EA	36" High Base Storage Unit, 2 4" Drawer, 2 8" Drawers (Midmark MC-SBP025-303624)	2,334.59	114.60
12 35 70 13-0020	EA	36" High Base Storage Unit, 2 4" Drawer, 2 8" Drawers (Midmark MC-SBP025-363624)	2,467.00	114.60
12 35 70 13-0021	EA	36" High Base Storage Unit, 5 4" Drawer (Midmark MC-SBP032-153624)	1,638.33	91.67
12 35 70 13-0022	EA	36" High Base Storage Unit, 5 4" Drawer (Midmark MC-SBP032-183624)	1,735.53	91.67
12 35 70 13-0023	EA	36" High Base Storage Unit, 5 4" Drawer (Midmark MC-SBP032-213624)	1,903.16	91.67
12 35 70 13-0024	EA	84" High Tall Storage Unit, 2 Doors (Midmark MC-STP032-368424)	3,328.91	275.02
12 35 70 13-0025	EA	84" High Tall Storage Unit, Open Upper With Pull Out Shelf, 1 4" Drawer, 2 Doors (Midmark MC-STP081-248424)	3,057.04	275.02
12 35 70 13-0026	EA	Desk Filler Panel (Midmark MC-SDA003-060501)	124.34	22.92
12 35 70 13-0027	EA	30" High Overhead Unit, 1 Door (Midmark MC-SOHO41-123014)	691.74	91.67
12 35 70 13-0028	EA	30" High Overhead Unit, 1 Door (Midmark MC-SOHO41-153014)	679.06	91.67
12 35 70 13-0029	EA	30" High Overhead Unit, 1 Door (Midmark MC-SOHO41-183014)	724.14	91.67
12 35 70 13-0030	EA	30" High Overhead Unit, 1 Door (Midmark MC-SOHO41-213014)	784.71	91.67
12 35 70 13-0031	EA	30" High Overhead Unit, 2 Doors (Midmark MC-SOHO42-243014)	853.73	91.67
12 35 70 13-0032	EA	30" High Overhead Unit, 2 Doors (Midmark MC-SOHO42-303014)	976.68	114.60
12 35 70 13-0033	EA	30" High Overhead Unit, 2 Doors (Midmark MC-SOHO42-363014)	1,059.78	114.60
12 35 70 13-0034	EA	30" High Overhead Unit, 2 Window Doors (Midmark MC-SOHO44-303014)	1,302.07	114.60
12 35 70 13-0035	EA	30" High Overhead Unit, 2 Window Doors (Midmark MC-SOHO44-363014)	1,448.56	114.60
12 35 70 13-0036	LF	19" Self Edge Laminate Countertop With Backsplash	181.24	19.25
12 35 70 13-0037	LF	25" Self Edge Laminate Countertop With Backsplash	354.34	25.66
12 35 70 13-0038	SF	Melamine Wall Cabinet Inner Soffit.....	42.89	16.05

Note: Includes blocking

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 35 70 13-0039		Hospital Cabinets (12 35 70 13)		
12 35 70 13-0040	LF	Hospital Base Cabinet, Laminated Plastic	614.78	102.71
12 35 70 13-0041	LF	Hospital Base Cabinet, Enameled Steel	711.96	102.71
12 35 70 13-0042	LF	Hospital Base Cabinet, Stainless Steel	1,084.11	102.71
12 35 70 13-0043	LF	Hospital Cabinet Base Trim, 4" High Enameled Steel	76.43	5.13
12 35 70 13-0044	LF	Hospital Cabinet Base Trim, 4" High Stainless Steel	160.16	5.13
12 35 70 13-0045	LF	Hospital Counter Top, Laminated Plastic Without Backsplash	125.79	25.67
12 35 70 13-0046	LF	Hospital Counter Top, Laminated Plastic With Backsplash	138.20	25.67
12 35 70 13-0047	LF	Hospital Counter Top, Stainless Steel	289.12	25.67
12 35 70 13-0048	LF	Hospital Wall Cabinet, Laminated Plastic	499.18	68.69
12 35 70 13-0049	LF	Hospital Wall Cabinet, Enameled Steel	602.56	68.69
12 35 70 13-0050	LF	Hospital Wall Cabinet, Stainless Steel	912.68	68.69
12 36		Countertops (12 30)		
12 36 23		Plastic Countertops (12 36)		
12 36 23 13		Plastic-Laminate-Clad Countertops (12 36 23)		
12 36 23 13-0001		Plastic Laminate Countertops (12 36 23 13)		
		Note: Includes plywood, medium-density fiberboard (MDF), or particleboard substrates, finished ends, and all edge types such as bullnose, ogee, round-over (rounded), bevel, etc.		
12 36 23 13-0002	SF	Plastic Laminate Countertop Without Backsplash	19.03	12.83
12 36 23 13-0003	SF	Plastic Laminate Countertop With 4" Backsplash	25.65	12.83
12 36 23 13-0004	LF	Plastic Laminate End Splash For Plastic Laminate Countertops	32.29	3.85
12 36 23 13-0005	EA	Cutout For Sink And/or Faucet In Plastic Laminate Countertop	106.95	
12 36 40		Stone Countertops (12 36)		
12 36 40 00-0001		Stone Countertops (12 36 40)		
12 36 40 00-0002	LF	3/4" Granite Countertop, No Fabrication Required	173.77	9.62
12 36 40 00-0003	LF	3/4" Granite Countertop, Fabricated (Cutouts According To Design)	232.46	9.62
12 36 53		Laboratory Countertops (12 36)		
12 36 53 00-0001		Epoxy Resin Laboratory Countertops (12 36 53)		
		Note: Includes all finish edge types, and all holes for faucets, fixtures, outlets, etc. Excludes cut out for sinks.		
12 36 53 00-0002	SF	3/4" Thick, Black Epoxy Resin Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges	63.00	6.42
12 36 53 00-0003	SF	1" Thick, Black Epoxy Resin Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges	65.04	6.42
12 36 53 00-0004	SF	1-1/4" Thick, Black Epoxy Resin Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges	79.12	6.42
12 36 53 00-0005	LF	4" x 3/4" Thick, Black Epoxy Resin Backsplash For Laboratory Countertop	24.14	3.85
12 36 53 00-0006	LF	6" x 3/4" Thick, Black Epoxy Resin Backsplash For Laboratory Countertop	32.36	3.85
12 36 53 00-0007		Epoxy Resin Laboratory Sinks (12 36 53)		
		Note: Includes cut out for sinks, and sink strainer assembly set.		
12 36 53 00-0008		Epoxy Resin Laboratory Undermount Sink (12 36 53 00-0007)		
12 36 53 00-0009	EA	12" Length x 8" Width x 6" Depth, Black Epoxy Resin Laboratory Undermount Sink	627.62	122.44
12 36 53 00-0010	EA	12" Length x 8" Width x 7" Depth, Black Epoxy Resin Laboratory Undermount Sink	637.87	122.44
12 36 53 00-0011	EA	12" Length x 12" Width x 8" Depth, Black Epoxy Resin Laboratory Undermount Sink	747.43	122.44
12 36 53 00-0012	EA	14" Length x 10" Width x 6" Depth, Black Epoxy Resin Laboratory Undermount Sink	637.87	122.44
12 36 53 00-0013	EA	16" Length x 8" Width x 7" Depth, Black Epoxy Resin Laboratory Undermount Sink	676.90	132.73
12 36 53 00-0014	EA	16" Length x 12" Width x 8" Depth, Black Epoxy Resin Laboratory Undermount Sink	713.42	132.73
12 36 53 00-0015	EA	16" Length x 16" Width x 12" Depth, Black Epoxy Resin Laboratory Undermount Sink	1,472.19	132.73
12 36 53 00-0016	EA	18" Length x 15" Width x 11" Depth, Black Epoxy Resin Laboratory Undermount Sink	796.87	132.73
12 36 53 00-0017	EA	24" Length x 16" Width x 8" Depth, Black Epoxy Resin Laboratory Undermount Sink	825.48	141.88
12 36 53 00-0018	EA	24" Length x 16" Width x 10" Depth, Black Epoxy Resin Laboratory Undermount Sink	1,013.80	141.88
12 36 53 00-0019	EA	24" Length x 16" Width x 12" Depth, Black Epoxy Resin Laboratory Undermount Sink	1,214.61	141.88
12 36 53 00-0020	EA	30" Length x 18" Width x 18" Depth, Black Epoxy Resin Laboratory Undermount Sink	2,647.98	141.88
12 36 53 00-0021	EA	31" Length x 21" Width x 12" Depth, Black Epoxy Resin Laboratory Undermount Sink	1,362.12	141.88
12 36 53 00-0022	EA	36" Length x 20" Width x 16" Depth, Black Epoxy Resin Laboratory Undermount Sink	2,844.46	141.88
12 36 53 00-0023	EA	42" Length x 20" Width x 10" Depth, Black Epoxy Resin Laboratory Undermount Sink	3,893.00	145.31
12 36 53 00-0024		Epoxy Resin Laboratory Drop-in Sink (12 36 53 00-0007)		
12 36 53 00-0025	EA	9" Length x 6" Width x 6" Depth, Black Epoxy Resin Laboratory Drop-in Sink	626.09	122.44
12 36 53 00-0026	EA	12" Length x 8" Width x 6" Depth, Black Epoxy Resin Laboratory Drop-in Sink	627.60	122.44
12 36 53 00-0027	EA	12" Length x 12" Width x 12" Depth, Black Epoxy Resin Laboratory Drop-in Sink	732.65	122.44
12 36 53 00-0028	EA	14" Length x 10" Width x 6" Depth, Black Epoxy Resin Laboratory Drop-in Sink	637.87	122.44
12 36 53 00-0029	EA	15" Length x 8" Width x 6" Depth, Black Epoxy Resin Laboratory Drop-in Sink	672.03	122.44
12 36 53 00-0030	EA	15" Length x 8" Width x 11" Depth, Black Epoxy Resin Laboratory Drop-in Sink	672.03	122.44
12 36 53 00-0031	EA	16" Length x 8" Width x 7" Depth, Black Epoxy Resin Laboratory Drop-in Sink	676.90	132.73
12 36 53 00-0032	EA	16" Length x 12" Width x 8" Depth, Black Epoxy Resin Laboratory Drop-in Sink	713.42	132.73
12 36 53 00-0033	EA	16" Length x 16" Width x 9-5/8" Depth, Black Epoxy Resin Laboratory Drop-in Sink	734.33	132.73
12 36 53 00-0034	EA	18" Length x 15" Width x 8" Depth, Black Epoxy Resin Laboratory Drop-in Sink	739.54	132.73
12 36 53 00-0035	EA	18" Length x 15" Width x 11" Depth, Black Epoxy Resin Laboratory Drop-in Sink	865.76	132.73
12 36 53 00-0036	EA	24" Length x 16" Width x 8" Depth, Black Epoxy Resin Laboratory Drop-in Sink	894.37	141.88
12 36 53 00-0037	EA	25" Length x 15" Width x 8" Depth, Black Epoxy Resin Laboratory Drop-in Sink	913.80	141.88
12 36 53 00-0038	EA	25" Length x 15" Width x 10" Depth, Black Epoxy Resin Laboratory Drop-in Sink	920.40	141.88
12 36 53 00-0039	EA	30" Length x 16" Width x 10" Depth, Black Epoxy Resin Laboratory Drop-in Sink	1,357.05	141.88
12 36 53 00-0040	EA	10" Diameter x 7.8" Depth, Black Round Epoxy Resin Laboratory Drop-in Sink	635.97	121.29
12 36 53 00-0041	EA	12" Diameter x 7.8" Depth, Black Round Epoxy Resin Laboratory Drop-in Sink	653.67	121.29

12	12	Furnishings
	12 30	Casework
	12 36	Countertops



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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12 36 53 00-0042	Epoxy Resin Laboratory ADA Drop-in Sink (12 36 53 00-0007)				
12 36 53 00-0043	EA		14" Length x 10" Width x 5" Depth, Black Epoxy Resin Laboratory ADA Drop-in Sink	632.15	121.29
12 36 53 00-0044	EA		14" Length x 14" Width x 5" Depth, Black Epoxy Resin Laboratory ADA Drop-in Sink	680.51	121.29
12 36 53 00-0045	EA		14" Length x 15" Width x 5" Depth, Black Epoxy Resin Laboratory ADA Drop-in Sink	705.22	121.29
12 36 53 00-0046	EA		25" Length x 15" Width x 5" Depth, Black Epoxy Resin Laboratory ADA Drop-in Sink	920.40	141.88

12 36 53 00-0047	Epoxy Resin Laboratory Cup Sink (12 36 53 00-0007)				
12 36 53 00-0048	EA		6" Length x 3" Width x 4" Depth, Black Oval Epoxy Resin Laboratory Cup Sink	412.03	98.40

12 36 53 00-0049		Polypropylene Laboratory Countertops (12 36 53)				
Note: Includes all finish edge types, and all holes for faucets, fixtures, outlets, etc. Excludes cut out for sinks.						
12 36 53 00-0050	SF	3/4" Thick, Black Polypropylene Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges			28.81	6.42
12 36 53 00-0051	SF	1" Thick, Black Polypropylene Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges			31.83	6.42
12 36 53 00-0052	SF	1-1/4" Thick, Black Polypropylene Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges			35.70	6.42
12 36 53 00-0053	LF	4" x 3/4" Thick, Black Polypropylene Backsplash For Laboratory Countertop			12.74	3.85
12 36 53 00-0054	LF	6" x 3/4" Thick, Black Polypropylene Backsplash For Laboratory Countertop			15.26	3.85

12 36 53 00-0055	Polypropylene Laboratory Sinks ^(12 36 53)
Note: Includes cut out for sinks, and sink strainer assembly set.	

12 36 53 00-0056	Polypropylene Laboratory Undermount Sink (12 36 53 00-0055)				
12 36 53 00-0057	EA		12" Length x 8" Width x 8" Depth, Black Polypropylene Laboratory Undermount Sink	724.77	122.44
12 36 53 00-0058	EA		12" Length x 12" Width x 8" Depth, Black Polypropylene Laboratory Undermount Sink	766.08	122.44
12 36 53 00-0059	EA		14" Length x 10" Width x 6" Depth, Black Polypropylene Laboratory Undermount Sink	755.92	122.44
12 36 53 00-0060	EA		16" Length x 8" Width x 7" Depth, Black Polypropylene Laboratory Undermount Sink	794.68	132.73
12 36 53 00-0061	EA		16" Length x 13" Width x 6" Depth, Black Polypropylene Laboratory Undermount Sink	991.85	132.73
12 36 53 00-0062	EA		17" Length x 17" Width x 12" Depth, Black Polypropylene Laboratory Undermount Sink	1,002.14	132.73
12 36 53 00-0063	EA		18" Length x 15" Width x 12" Depth, Black Polypropylene Laboratory Undermount Sink	1,002.14	132.73
12 36 53 00-0064	EA		24" Length x 16" Width x 8" Depth, Black Polypropylene Laboratory Undermount Sink	1,072.29	141.88
12 36 53 00-0065	EA		25" Length x 15" Width x 10" Depth, Black Polypropylene Laboratory Undermount Sink	1,124.42	141.88
12 36 53 00-0066	EA		23" Length x 17" Width x 11-1/2" Depth, Black Polypropylene Laboratory Undermount Sink	1,072.29	141.88
12 36 53 00-0067	EA		30" Length x 18" Width x 18" Depth, Black Polypropylene Laboratory Undermount Sink	1,695.00	141.88
12 36 53 00-0068	EA		31" Length x 20.5" Width x 11-1/2" Depth, Black Polypropylene Laboratory Undermount Sink	1,685.75	141.88
12 36 53 00-0069	EA		42" Length x 18" Width x 16" Depth, Black Polypropylene Laboratory Undermount Sink	2,990.98	145.31

12 36 53 00-0070	Polypropylene Laboratory Drop-in Sink (12 36 53 00-0055)				
12 36 53 00-0071	EA		11" Length x 11" Width x 7" Depth, Black Polypropylene Laboratory Drop-in Sink	621.03	122.44
12 36 53 00-0072	EA		12" Length x 8" Width x 8" Depth, Black Polypropylene Laboratory Drop-in Sink	1,012.87	122.44
12 36 53 00-0073	EA		12" Length x 12" Width x 8" Depth, Black Polypropylene Laboratory Drop-in Sink	662.30	122.44
12 36 53 00-0074	EA		14" Length x 10" Width x 6" Depth, Black Polypropylene Laboratory Drop-in Sink	652.17	122.44
12 36 53 00-0075	EA		17" Length x 17" Width x 12" Depth, Black Polypropylene Laboratory Drop-in Sink	898.38	132.73
12 36 53 00-0076	EA		16" Length x 8" Width x 7" Depth, Black Polypropylene Laboratory Drop-in Sink	690.90	132.73
12 36 53 00-0077	EA		18" Length x 12" Width x 8" Depth, Black Polypropylene Laboratory Drop-in Sink	898.38	132.73
12 36 53 00-0078	EA		16" Length x 16" Width x 8" Depth, Black Polypropylene Laboratory Drop-in Sink	877.52	132.73
12 36 53 00-0079	EA		18" Length x 15" Width x 8" Depth, Black Polypropylene Laboratory Drop-in Sink	857.26	132.73
12 36 53 00-0080	EA		18" Length x 15" Width x 12" Depth, Black Polypropylene Laboratory Drop-in Sink	898.38	132.73
12 36 53 00-0081	EA		24" Length x 16" Width x 8" Depth, Black Polypropylene Laboratory Drop-in Sink	968.53	141.88
12 36 53 00-0082	EA		25" Length x 15" Width x 10" Depth, Black Polypropylene Laboratory Drop-in Sink	1,020.64	141.88
12 36 53 00-0083	EA		31" Length x 17" Width x 10" Depth, Black Polypropylene Laboratory Drop-in Sink	1,529.58	141.88
12 36 53 00-0084	EA		12" Diameter x 7.8" Depth, Black Round Polypropylene Laboratory Drop-in Sink	579.05	121.29

12 36 53 00-0085	Polypropylene Laboratory ADA Drop-in Sink (12 36 53 00-0055)				
12 36 53 00-0086	EA		16" Length x 16" Width x 5.5" Depth, Black Polypropylene Laboratory ADA Drop-in Sink	857.26	132.73
12 36 53 00-0087	EA		25" Length x 15" Width x 5.5" Depth, Black Polypropylene Laboratory ADA Drop-in Sink	997.29	141.88

12 36 53 00-0088	Polypropylene Laboratory Cup Sink (12 36 53 00-0055)				
12 36 53 00-0089	EA		6" Length x 3" Width x 4" Depth, Black Oval Polypropylene Laboratory Cup Sink	448.95	121.29

12 36 53 00-0090	Phenolic Resin Laboratory Countertops (12 36 53)				
Note: Includes all finish edge types, and all holes for faucets, fixtures, outlets, etc. Excludes cut out for sinks.					
12 36 53 00-0091	SF	3/4" Thick, Black Phenolic Resin Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges	50.84	6.42	
12 36 53 00-0092	SF	1" Thick, Black Phenolic Resin Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges	57.45	6.42	
12 36 53 00-0093	SF	1-1/4" Thick, Black Phenolic Resin Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges	62.05	6.42	
12 36 53 00-0094	LF	4" x 3/4" Thick, Black Phenolic Resin Backsplash For Laboratory Countertop	19.36	3.85	
12 36 53 00-0095	LF	6" x 3/4" Thick, Black Phenolic Resin Backsplash For Laboratory Countertop	25.12	3.85	

12 36 53 00-0096		High Pressure Laminate Laboratory Countertops (12 36 53)			
Note: Includes all finish edge types, and all holes for faucets, fixtures, outlets, etc. Excludes cut out for sinks.					
12 36 53 00-0097	SF	3/4" Thick, High Pressure Laminate Laboratory Countertop Without Backsplash, Machined Bevel Edges	29.45		6.42
12 36 53 00-0098	SF	1" Thick, High Pressure Laminate Laboratory Countertop Without Backsplash, Machined Bevel Edges	30.97		6.42
12 36 53 00-0099	SF	1-1/4" Thick, High Pressure Laminate Laboratory Countertop Without Backsplash, Machined Bevel Edges	30.97		6.42
12 36 53 00-0100	LF	4" x 3/4" Thick, High Pressure Laminate Backsplash For Laboratory Countertop	16.34		3.85
12 36 53 00-0101	LF	6" x 3/4" Thick, High Pressure Laminate Backsplash For Laboratory Countertop	16.34		3.85

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

12 36 61 Simulated Stone Countertops (12 36)

12 36 61 16 Solid Surfacing Countertops (12 36 61)

12 36 61 16-0001 Solid Surface Countertops (12 36 61 16)

12 36 61 16-0002 Solid Surface Countertops (12 36 61 16-0001)

Note: Includes finished ends and all edge types such as bullnose, ogee, round-over (rounded), bevel, etc.

12 36 61 16-0003	SF	1/4" Thick, Solid Color, Solid Surface Backsplash.....	51.12	8.56
		Note: Quantity based on area of backsplash. Excludes backing material such as cement or water resistant gypsum board.		
		For Up To 50, Add	16.80	
		For >50 To 100, Add	9.64	
12 36 61 16-0004	SF	1/2" Thick, Solid Color, Solid Surface Countertop Without Backsplash.....	73.68	12.83
		Note: Quantity based on area of counter, backsplash and apron. Includes drilling holes for fixtures and 1-1/2" drop edge with 1/8" radius edges (when apron not used).		
		For Up To 50, Add	23.96	
		For >50 To 100, Add	14.00	
12 36 61 16-0005	SF	3/4" Thick, Solid Color, Solid Surface Countertop Without Backsplash.....	93.52	12.83
		Note: Quantity based on area of counter, backsplash and apron. Includes drilling holes for fixtures and 1-1/2" drop edge with 1/8" radius edges (when apron not used).		
		For Up To 50, Add	30.81	
		For >50 To 100, Add	17.60	
12 36 61 16-0006	SF	1/2" Thick, Solid Color, Solid Surface Countertop With 4" Backsplash.....	88.37	12.83
		For Up To 50, Add	28.36	
		For >50 To 100, Add	16.93	
12 36 61 16-0007	LF	1/2" Thick, Solid Color, Solid Surface 4" End Splash For Solid Surface Countertops.....	29.42	5.45
12 36 61 16-0008	EA	Cutout For Undercounter Sink In Solid Surface Countertop.....	192.51	
		Note: Not including integral seamed sinks		

12 36 61 16-0009 Integral Seamless Solid Surface Lavatory (12 36 61 16-0001)

Note: Includes sink cutout and hard seam of lavatory to countertop See CSI section 12 36 61 16-0002 for Solid Surface Countertops.

12 36 61 16-0010	EA	16-1/2" x 13-1/8" x 5-1/2" Depth, Integral Solid Surface Lavatory Sink (Corian 810).....	301.66	
12 36 61 16-0011	EA	20-7/16" x 14-7/16" x 6-1/8" Depth, Integral Solid Surface Lavatory Sink (Corian 815).....	369.89	
12 36 61 16-0012	EA	17-3/8" x 10-13/16" x 5-1/2" Depth, Integral Solid Surface Lavatory Sink (Corian 816).....	281.82	
12 36 61 16-0013	EA	14-3/4" x 10-1/2" x 5-1/2" Depth, Integral Solid Surface Lavatory Sink (Corian 820).....	270.65	
12 36 61 16-0014	EA	18-7/8" x 13-3/4" x 5-7/8" Depth, Integral Solid Surface Lavatory Sink (Corian 830).....	369.89	
12 36 61 16-0015	EA	20" x 13-3/8" x 6-1/4" Depth, Integral Solid Surface Lavatory Sink (Corian 831).....	369.89	
12 36 61 16-0016	EA	19-3/4" x 14-1/4" x 5-7/8" Depth, Integral Solid Surface Lavatory Sink (Corian 835).....	369.89	
12 36 61 16-0017	EA	17" x 14" x 6" Depth, Integral Solid Surface Lavatory Sink (Corian 837).....	369.89	
12 36 61 16-0018	EA	13-7/8" x 15-1/2" x 5-1/5", ADA Compliant, Lavatory Sink (Corian 8252).....	428.72	
		Note: Rectangular lavatory with front to back slope		

12 36 61 16-0019 Integral Seamless Solid Surface Kitchen Sink (12 36 61 16-0001)

Note: Includes sink cutout and hard seam of sink to countertop See CSI section 12 36 61 16-0002 for Solid Surface Countertops.

12 36 61 16-0020	EA	Up To 1.5 SF, Single Basin, Integral Solid Surface Kitchen Sink.....	396.67	
12 36 61 16-0021	EA	>1.5 To 2.25 SF, Single Basin, Integral Solid Surface Kitchen Sink.....	613.76	
12 36 61 16-0022	EA	>2.25 To 3.0 SF, Single Basin, Integral Solid Surface Kitchen Sink.....	787.43	
12 36 61 16-0023	EA	>3.0 SF, Single Basin, Integral Solid Surface Kitchen Sink.....	844.49	
12 36 61 16-0024	EA	>3.0 SF, Double Basin, Integral Solid Surface Kitchen Sink.....	844.49	

12 36 61 19 Quartz Agglomerate Countertops (12 36 61)

12 36 61 19-0001 Quartz Agglomerate Countertops (12 36 61 19)

Note: Includes finished ends and all edge types such as bullnose, ogee, round-over (rounded), bevel, etc.

12 36 61 19-0002	SF	3/4" Thick, Quartz Agglomerate Countertop Without Backsplash.....	94.25	17.97
12 36 61 19-0003	SF	1-1/4" Thick, Quartz Agglomerate Countertop Without Backsplash.....	116.96	17.97
12 36 61 19-0004	SF	3/4" Thick, Quartz Agglomerate Countertop With Backsplash.....	104.70	20.54
12 36 61 19-0005	SF	1-1/4" Thick, Quartz Agglomerate Countertop With Backsplash.....	127.40	20.54
12 36 61 19-0006	LF	Quartz Agglomerate Countertop End Splash For Quartz Agglomerate Countertops.....	19.89	5.45
12 36 61 19-0007	EA	Cutout For Sink And/or Faucet In Quartz Agglomerate Countertop.....	192.51	

12 40 Furnishings and Accessories (12)

12 41 Office Accessories (12 40)

12 41 11 Office Accessories (12 41)

12 41 11 00-0001 Wall Mounted Office Accessories (12 41 11)

12 41 11 00-0002	EA	Manual Pencil Sharpener, Wall Mounted (Bostitch® BOSMPS1BLK).....	27.65	4.81
12 41 11 00-0003	EA	Wall Mounted Flag.....	20.78	4.81

12 41 11 00-0004 Desk Edge Mounted Clamps (12 41 11)

12 41 11 00-0005	EA	Aluminum Desk Edge Clamp Mount Bracket For Plexiglass And Acrylic Panels.....	41.65	
		Note: Adjustable hand screw mounting to fit 3/4" to 2" desk and tabletops, clamp adjusts to support 1/8" to 3/8" thick panels.		
		For >10 To 50, Deduct	-10.19	
		For >50, Deduct	-16.30	

12 Furnishings**12 40 Furnishings and Accessories****12 48 Rugs and Mats**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
12 48 Rugs and Mats (12 40)**12 48 13 Entrance Floor Mats and Frames** (12 48)**12 48 13 13 Entrance Floor Mats** (12 48 13)**12 48 13 13-0001 Floor Mats** (12 48 13 13)

12 48 13 13-0002	SF	3/8" Thick Solid Recessed Floor Mat	37.51	2.77
		For Colors, Add	6.39	
12 48 13 13-0003	SF	1/2" Thick Solid Recessed Floor Mat	47.35	2.77
		For Colors, Add	8.36	
12 48 13 13-0004	SF	3/8" Thick Perforated Recessed Floor Mat	39.97	2.77
		For Colors, Add	6.89	
12 48 13 13-0005	SF	1/2" Thick Perforated Recessed Floor Mat	49.81	2.77
		For Colors, Add	8.85	

12 48 13 13-0006 Link Mats (12 48 13 13)

Note: Includes nosing.

12 48 13 13-0007	SF	3/8" Link Mats, Aluminum	49.94	2.77
12 48 13 13-0008	SF	Black Rubber Link Mats With Galvanized Tie Rods	39.37	2.77
12 48 13 13-0009	SF	3/8" Thick, Galvanized Steel Link Mats	24.62	2.77
12 48 13 13-0010	SF	Vinyl Link Mats, Color	43.02	2.77
12 48 13 13-0011	LF	Rubber Nosing	4.90	1.22

12 48 13 13-0012 Duckboard (12 48 13 13)

12 48 13 13-0013	SF	Aluminum Slats	72.53	3.34
12 48 13 13-0014	SF	Hardwood Strips On Rubber Base	16.15	3.34
12 48 13 13-0015	SF	Assembled With Brass Rods And Vinyl Spacers	17.55	3.34
12 48 13 13-0016	SF	Tire Fabric, 3/4" Thick	24.64	3.34
12 48 13 13-0017	SF	Vinyl, 36" Wide, Hollow Top And Bottom	22.63	3.34
12 48 13 13-0018	SF	Vinyl, 36" Wide, Solid Top And Bottom	35.24	3.34

12 48 13 16 Entrance Floor Mat Frames (12 48 13)**12 48 13 16-0001 Recessed Frames** (12 48 13 16)

12 48 13 16-0002	LF	Aluminum Recessed Embedded Frame	31.17	5.13
12 48 13 16-0003	LF	Bronze Recessed Embedded Frame	20.40	5.13

12 50 Furniture (12)**12 56 Institutional Furniture** (12 50)**12 56 53 Laboratory Furniture** (12 56)**12 56 53 00-0001 Steel Laboratory Furniture** (12 56 53)**12 56 53 00-0002 Modular Steel Laboratory Cabinets** (12 56 53 00-0001)**12 56 53 00-0003 29-3/8" High x 21-5/8" Deep, Modular Steel Laboratory Base Cabinets** (12 56 53 00-0002)

12 56 53 00-0004	EA	15" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	1,205.95	110.92
12 56 53 00-0005	EA	18" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	1,203.52	110.92
12 56 53 00-0006	EA	21" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	1,316.10	121.06
12 56 53 00-0007	EA	24" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	1,250.49	121.06
12 56 53 00-0008	EA	30" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	1,485.88	136.61
12 56 53 00-0009	EA	36" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	1,533.50	141.09
12 56 53 00-0010	EA	42" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	1,691.31	155.60
12 56 53 00-0011	EA	48" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	1,756.84	161.64
12 56 53 00-0012	EA	15" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	1,706.20	156.89
12 56 53 00-0013	EA	18" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	1,712.18	157.53
12 56 53 00-0014	EA	21" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	1,810.43	166.52
12 56 53 00-0015	EA	24" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	1,771.67	162.93
12 56 53 00-0016	EA	30" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	2,367.32	217.74
12 56 53 00-0017	EA	36" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	2,411.58	221.85
12 56 53 00-0018	EA	42" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	2,662.03	244.84
12 56 53 00-0019	EA	48" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	2,704.03	248.69
12 56 53 00-0020	EA	18" Wide x 29-3/8" High x 21-5/8" Deep, 2 Drawer, Modular Steel Laboratory Base Cabinet	2,477.64	227.88
12 56 53 00-0021	EA	21" Wide x 29-3/8" High x 21-5/8" Deep, 2 Drawer, Modular Steel Laboratory Base Cabinet	2,757.20	253.69
12 56 53 00-0022	EA	24" Wide x 29-3/8" High x 21-5/8" Deep, 2 Drawer, Modular Steel Laboratory Base Cabinet	2,674.58	253.69
12 56 53 00-0023	EA	15" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet	2,503.43	229.82
12 56 53 00-0024	EA	18" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet	2,481.56	229.82
12 56 53 00-0025	EA	21" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet	2,679.92	246.51
12 56 53 00-0026	EA	24" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet	2,660.56	246.11
12 56 53 00-0027	EA	30" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet	2,911.44	267.56
12 56 53 00-0028	EA	36" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet	2,998.45	275.77
12 56 53 00-0029	EA	42" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet	3,281.13	301.71
12 56 53 00-0030	EA	48" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet	3,358.24	308.90
12 56 53 00-0031	EA	15" Wide x 29-3/8" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet	2,802.04	257.67
12 56 53 00-0032	EA	18" Wide x 29-3/8" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet	2,635.28	242.39
12 56 53 00-0033	EA	21" Wide x 29-3/8" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet	2,977.68	273.85
12 56 53 00-0034	EA	24" Wide x 29-3/8" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet	2,831.77	260.50
12 56 53 00-0035	EA	15" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	3,177.40	292.21

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 56 53 00-0036	EA	18" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet.....	3,177.40	292.21
12 56 53 00-0037	EA	21" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet.....	3,477.57	319.82
12 56 53 00-0038	EA	24" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet.....	3,352.90	308.39
12 56 53 00-0039	EA	30" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet.....	3,894.83	358.21
12 56 53 00-0040	EA	36" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet.....	3,909.41	358.33
12 56 53 00-0041	EA	42" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet.....	4,246.25	390.56
12 56 53 00-0042	EA	48" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet.....	4,287.94	394.40
12 56 53 00-0043	EA	24" Wide x 29-3/8" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet.....	4,767.32	438.45
12 56 53 00-0044	EA	30" Wide x 29-3/8" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet.....	4,916.25	452.18
12 56 53 00-0045	EA	36" Wide x 29-3/8" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet.....	4,662.77	451.93
12 56 53 00-0046	EA	42" Wide x 29-3/8" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet.....	5,210.82	479.27
12 56 53 00-0047	EA	48" Wide x 29-3/8" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet.....	5,091.81	468.35
12 56 53 00-0048	EA	15" Wide x 29-3/8" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet.....	2,263.00	208.12
12 56 53 00-0049	EA	18" Wide x 29-3/8" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet.....	2,202.26	208.63
12 56 53 00-0050	EA	21" Wide x 29-3/8" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet.....	2,361.28	217.10
12 56 53 00-0051	EA	24" Wide x 29-3/8" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet.....	2,300.53	217.10
12 56 53 00-0052	EA	32-7/8" Wide x 29-3/8" High x 21-5/8" Deep, Standard Corner, Modular Steel Laboratory Base Cabinet.....	3,171.16	291.70
12 56 53 00-0053	EA	32-7/8" Wide x 29-3/8" High x 21-5/8" Deep, Hexagon Corner, Modular Steel Laboratory Base Cabinet.....	2,742.42	252.15
12 56 53 00-0054 35-1/4" High x 21-5/8" Deep, Modular Steel Laboratory Base Cabinets ^(12 56 53 00-0002)				
12 56 53 00-0055	EA	15" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet.....	1,262.53	116.19
12 56 53 00-0056	EA	18" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet.....	1,255.24	116.19
12 56 53 00-0057	EA	21" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet.....	1,334.03	122.74
12 56 53 00-0058	EA	24" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet.....	1,289.34	118.76
12 56 53 00-0059	EA	30" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet.....	1,527.55	140.58
12 56 53 00-0060	EA	36" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet.....	1,602.00	147.00
12 56 53 00-0061	EA	42" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet.....	1,709.18	157.27
12 56 53 00-0062	EA	48" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet.....	1,774.70	163.69
12 56 53 00-0063	EA	15" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet.....	1,789.60	164.33
12 56 53 00-0064	EA	18" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet.....	1,789.60	164.33
12 56 53 00-0065	EA	21" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet.....	1,899.76	174.61
12 56 53 00-0066	EA	24" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet.....	1,876.09	177.17
12 56 53 00-0067	EA	30" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet.....	2,480.39	227.88
12 56 53 00-0068	EA	36" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet.....	2,545.90	233.67
12 56 53 00-0069	EA	42" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet.....	2,736.53	251.64
12 56 53 00-0070	EA	48" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet.....	2,799.02	257.42
12 56 53 00-0071	EA	18" Wide x 35-1/4" High x 21-5/8" Deep, Tilt-Out Door With Removable Bin, Modular Steel Laboratory Base Cabinet.....	2,757.36	253.57
12 56 53 00-0072	EA	24" Wide x 35-1/4" High x 21-5/8" Deep, Tilt-Out Door With Removable Bin, Modular Steel Laboratory Base Cabinet.....	2,834.79	260.63
12 56 53 00-0073	EA	18" Wide x 35-1/4" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet.....	3,025.10	277.95
12 56 53 00-0074	EA	21" Wide x 35-1/4" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet.....	3,269.15	300.43
12 56 53 00-0075	EA	24" Wide x 35-1/4" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet.....	3,247.62	300.43
12 56 53 00-0076	EA	15" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet.....	2,974.69	272.82
12 56 53 00-0077	EA	18" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet.....	1,622.45	274.11
12 56 53 00-0078	EA	21" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet.....	3,126.56	287.59
12 56 53 00-0079	EA	24" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet.....	3,075.53	287.59
12 56 53 00-0080	EA	30" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet.....	3,445.15	316.86
12 56 53 00-0081	EA	36" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet.....	3,582.17	329.44
12 56 53 00-0082	EA	42" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet.....	3,804.76	349.99
12 56 53 00-0083	EA	48" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet.....	3,894.83	358.21
12 56 53 00-0084	EA	15" Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet.....	3,171.47	291.44
12 56 53 00-0085	EA	18" Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet.....	3,388.53	311.33
12 56 53 00-0086	EA	21" Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet.....	3,409.19	313.27
12 56 53 00-0087	EA	24" Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet.....	3,540.40	325.46
12 56 53 00-0088	EA	30" Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet.....	4,088.36	376.17
12 56 53 00-0089	EA	36" Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet.....	4,228.26	389.01
12 56 53 00-0090	EA	42" Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet.....	4,439.57	408.27
12 56 53 00-0091	EA	48" Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet.....	4,442.82	408.27
12 56 53 00-0092	EA	24" Wide x 35-1/4" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet.....	4,966.82	457.06
12 56 53 00-0093	EA	30" Wide x 35-1/4" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet.....	5,008.18	460.27
12 56 53 00-0094	EA	36" Wide x 35-1/4" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet.....	5,110.23	469.89
12 56 53 00-0095	EA	42" Wide x 35-1/4" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet.....	5,389.16	496.22
12 56 53 00-0096	EA	48" Wide x 35-1/4" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet.....	5,406.51	497.50
12 56 53 00-0097	EA	24" Wide x 35-1/4" High x 21-5/8" Deep, 10 Drawer, Modular Steel Laboratory Base Cabinet.....	5,484.98	504.43
12 56 53 00-0098	EA	30" Wide x 35-1/4" High x 21-5/8" Deep, 10 Drawer, Modular Steel Laboratory Base Cabinet.....	5,743.90	528.31
12 56 53 00-0099	EA	36" Wide x 35-1/4" High x 21-5/8" Deep, 10 Drawer, Modular Steel Laboratory Base Cabinet.....	5,854.01	538.45
12 56 53 00-0100	EA	42" Wide x 35-1/4" High x 21-5/8" Deep, 10 Drawer, Modular Steel Laboratory Base Cabinet.....	6,002.91	552.07
12 56 53 00-0101	EA	48" Wide x 35-1/4" High x 21-5/8" Deep, 10 Drawer, Modular Steel Laboratory Base Cabinet.....	6,166.99	567.22
12 56 53 00-0102	EA	15" Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet.....	2,310.77	212.48
12 56 53 00-0103	EA	18" Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet.....	2,352.23	216.34
12 56 53 00-0104	EA	21" Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet.....	2,361.28	216.98
12 56 53 00-0105	EA	24" Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet.....	2,414.63	222.11
12 56 53 00-0106	EA	30" Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet.....	3,177.40	292.21
12 56 53 00-0107	EA	36" Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet.....	3,272.72	300.94
12 56 53 00-0108	EA	42" Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet.....	3,504.58	322.38
12 56 53 00-0109	EA	48" Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet.....	3,555.06	326.75
12 56 53 00-0110	EA	32-7/8" Wide x 35-1/4" High x 21-5/8" Deep, Standard Corner, Modular Steel Laboratory Base Cabinet.....	3,296.70	302.99
12 56 53 00-0111	EA	32-7/8" Wide x 35-1/4" High x 21-5/8" Deep, Hexagon Corner, Modular Steel Laboratory Base Cabinet.....	3,058.66	281.16
12 56 53 00-0112	EA	15" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet.....	1,622.81	149.31
12 56 53 00-0113	EA	18" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet.....	1,643.67	151.11
12 56 53 00-0114	EA	21" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet.....	1,712.18	157.27
12 56 53 00-0115	EA	24" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet.....	1,718.12	157.92
12 56 53 00-0116	EA	30" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet.....	2,248.19	206.83

12 Furnishings**12 50 Furniture****12 56 Institutional Furniture**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

12 56 53 00-0117	EA	36" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet.....	2,298.80	211.46
12 56 53 00-0118	EA	42" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet.....	2,450.59	225.32
12 56 53 00-0119	EA	48" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet.....	2,459.53	226.21
12 56 53 00-0120	EA	52" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet.....	2,840.68	261.26
12 56 53 00-0121	EA	58" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet.....	3,126.56	287.59
12 56 53 00-0122	EA	60" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet.....	3,269.49	300.68

12 56 53 00-0123 25-3/16" High x 16" Deep, Modular Steel Laboratory Wall Cabinets
(12 56 53 00-0002)

12 56 53 00-0124	EA	15" Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet.....	1,200.00	110.41
12 56 53 00-0125	EA	18" Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet.....	1,238.70	113.88
12 56 53 00-0126	EA	21" Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet.....	1,247.64	114.78
12 56 53 00-0127	EA	24" Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet.....	1,280.40	117.73
12 56 53 00-0128	EA	30" Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet.....	1,339.97	123.25
12 56 53 00-0129	EA	36" Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet.....	1,369.74	125.94
12 56 53 00-0130	EA	42" Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet.....	1,491.81	137.24
12 56 53 00-0131	EA	48" Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet.....	1,509.69	138.79
12 56 53 00-0132	EA	15" Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet.....	1,774.70	163.18
12 56 53 00-0133	EA	18" Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet.....	1,819.35	167.29
12 56 53 00-0134	EA	21" Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet.....	1,861.05	171.14
12 56 53 00-0135	EA	24" Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet.....	1,899.76	174.74
12 56 53 00-0136	EA	30" Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet.....	2,310.71	212.48
12 56 53 00-0137	EA	36" Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet.....	2,340.48	215.31
12 56 53 00-0138	EA	42" Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet.....	2,551.86	234.70
12 56 53 00-0139	EA	48" Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet.....	2,560.80	235.59
12 56 53 00-0140	EA	15" Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet.....	2,075.43	190.91
12 56 53 00-0141	EA	18" Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet.....	2,143.93	197.20
12 56 53 00-0142	EA	21" Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet.....	2,179.64	200.41
12 56 53 00-0143	EA	24" Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet.....	2,218.36	204.01
12 56 53 00-0144	EA	30" Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet.....	3,108.70	285.92
12 56 53 00-0145	EA	36" Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet.....	3,171.26	291.70
12 56 53 00-0146	EA	42" Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet.....	3,355.81	308.64
12 56 53 00-0147	EA	48" Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet.....	3,415.40	314.16
12 56 53 00-0148	EA	25-23/32" Wide x 25-3/16" High x 16" Deep, Corner 18" Solid Swinging Door, Modular Steel Laboratory Wall Cabinet.....	2,840.68	261.26
12 56 53 00-0149	EA	28-23/32" Wide x 25-3/16" High x 16" Deep, Corner 18" Glass Swinging Door, Modular Steel Laboratory Wall Cabinet.....	3,144.45	289.25
12 56 53 00-0150	EA	30" Wide x 25-3/16" High x 16" Deep, Solid Sliding Door, Modular Steel Laboratory Wall Cabinet.....	2,395.57	212.48
12 56 53 00-0151	EA	36" Wide x 25-3/16" High x 16" Deep, Solid Sliding Door, Modular Steel Laboratory Wall Cabinet.....	2,426.43	215.31
12 56 53 00-0152	EA	42" Wide x 25-3/16" High x 16" Deep, Solid Sliding Door, Modular Steel Laboratory Wall Cabinet.....	2,645.57	234.70
12 56 53 00-0153	EA	48" Wide x 25-3/16" High x 16" Deep, Solid Sliding Door, Modular Steel Laboratory Wall Cabinet.....	2,654.84	235.46
12 56 53 00-0154	EA	30" Wide x 25-3/16" High x 16" Deep, Glass Sliding Door, Modular Steel Laboratory Wall Cabinet.....	3,222.86	285.92
12 56 53 00-0155	EA	36" Wide x 25-3/16" High x 16" Deep, Glass Sliding Door, Modular Steel Laboratory Wall Cabinet.....	3,287.72	291.70
12 56 53 00-0156	EA	42" Wide x 25-3/16" High x 16" Deep, Glass Sliding Door, Modular Steel Laboratory Wall Cabinet.....	3,479.04	308.64
12 56 53 00-0157	EA	48" Wide x 25-3/16" High x 16" Deep, Glass Sliding Door, Modular Steel Laboratory Wall Cabinet.....	3,540.82	314.16

12 56 53 00-0158 31" High x 16" Deep, Modular Steel Laboratory Wall Cabinets
(12 56 53 00-0002)

12 56 53 00-0159	EA	15" Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet.....	1,310.18	120.68
12 56 53 00-0160	EA	18" Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet.....	1,348.89	123.89
12 56 53 00-0161	EA	21" Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet.....	1,354.85	124.54
12 56 53 00-0162	EA	24" Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet.....	1,369.74	125.82
12 56 53 00-0163	EA	30" Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet.....	1,456.10	134.16
12 56 53 00-0164	EA	36" Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet.....	1,497.78	137.37
12 56 53 00-0165	EA	42" Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet.....	1,777.67	163.69
12 56 53 00-0166	EA	48" Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet.....	1,816.40	166.90
12 56 53 00-0167	EA	15" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet.....	1,849.16	170.11
12 56 53 00-0168	EA	18" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet.....	1,896.76	174.61
12 56 53 00-0169	EA	21" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet.....	1,929.55	177.81
12 56 53 00-0170	EA	24" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet.....	2,021.86	185.52
12 56 53 00-0171	EA	30" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet.....	2,498.30	229.82
12 56 53 00-0172	EA	36" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet.....	2,534.01	233.03
12 56 53 00-0173	EA	42" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet.....	2,816.85	259.34
12 56 53 00-0174	EA	48" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet.....	2,873.42	264.47
12 56 53 00-0175	EA	15" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet.....	2,200.49	202.21
12 56 53 00-0176	EA	18" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet.....	2,266.04	207.99
12 56 53 00-0177	EA	21" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet.....	2,298.75	211.19
12 56 53 00-0178	EA	24" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet.....	2,358.32	216.98
12 56 53 00-0179	EA	30" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet.....	3,209.94	294.64
12 56 53 00-0180	EA	36" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet.....	3,302.26	303.64
12 56 53 00-0181	EA	42" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet.....	3,847.10	353.71
12 56 53 00-0182	EA	48" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet.....	3,655.96	313.91
12 56 53 00-0183	EA	25-23/32" Wide x 31" High x 16" Deep, Corner 18" Solid Swinging Door, Modular Steel Laboratory Wall Cabinet.....	3,144.35	289.51
12 56 53 00-0184	EA	28-23/32" Wide x 31" High x 16" Deep, Corner 18" Glass Swinging Door, Modular Steel Laboratory Wall Cabinet.....	3,742.93	344.72
12 56 53 00-0185	EA	30" Wide x 31" High x 16" Deep, Solid Sliding Door, Modular Steel Laboratory Wall Cabinet.....	2,590.04	229.82
12 56 53 00-0186	EA	36" Wide x 31" High x 16" Deep, Solid Sliding Door, Modular Steel Laboratory Wall Cabinet.....	2,627.07	233.03
12 56 53 00-0187	EA	42" Wide x 31" High x 16" Deep, Solid Sliding Door, Modular Steel Laboratory Wall Cabinet.....	2,978.94	264.22
12 56 53 00-0188	EA	48" Wide x 31" High x 16" Deep, Solid Sliding Door, Modular Steel Laboratory Wall Cabinet.....	2,920.29	259.08
12 56 53 00-0189	EA	30" Wide x 31" High x 16" Deep, Glass Sliding Door, Modular Steel Laboratory Wall Cabinet.....	3,327.82	295.29
12 56 53 00-0190	EA	36" Wide x 31" High x 16" Deep, Glass Sliding Door, Modular Steel Laboratory Wall Cabinet.....	3,423.53	303.77
12 56 53 00-0191	EA	42" Wide x 31" High x 16" Deep, Glass Sliding Door, Modular Steel Laboratory Wall Cabinet.....	3,988.38	353.84
12 56 53 00-0192	EA	48" Wide x 31" High x 16" Deep, Glass Sliding Door, Modular Steel Laboratory Wall Cabinet.....	3,792.21	314.16

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

12 56 53 00-0193

Wood Laboratory Furniture (12 56 53)

Note: Laboratory Grade with chemical resistant finish, premium quality mill-made modular units, prefinished with solid 3/4" hardwood face frames, solid 3/4" hardwood door frames and drawer fronts, hardwood veneer on raised door panels (front and back), glued mortise, dowel, and dado joint construction, full backs, mitered corners and solid wood drawer bodies with steel guides and ball bearings. Includes self-closing hinges, door and drawer pulls, mounting hardware and adjustable shelves.

12 56 53 00-0194

Wood Laboratory Cabinets (12 56 53 00-0193)

12 56 53 00-0195

28-1/2" High x 21-1/2" Deep, Wood Laboratory Base Cabinets (12 56 53 00-0194)

12 56 53 00-0196	EA	15" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet	871.87	101.43
12 56 53 00-0197	EA	18" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet	900.15	104.64
12 56 53 00-0198	EA	21" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet	928.41	107.85
12 56 53 00-0199	EA	24" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet	956.68	111.70
12 56 53 00-0200	EA	30" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet	1,062.77	123.89
12 56 53 00-0201	EA	36" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet	1,133.46	131.60
12 56 53 00-0202	EA	42" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet	1,185.30	137.37
12 56 53 00-0203	EA	48" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet	1,248.93	145.08
12 56 53 00-0204	EA	15" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet	1,060.42	123.25
12 56 53 00-0205	EA	18" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet	1,098.11	127.74
12 56 53 00-0206	EA	21" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet	1,121.67	130.31
12 56 53 00-0207	EA	24" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet	1,152.27	134.16
12 56 53 00-0208	EA	30" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet	1,482.26	172.04
12 56 53 00-0209	EA	36" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet	1,573.84	182.96
12 56 53 00-0210	EA	42" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet	1,625.94	188.73
12 56 53 00-0211	EA	48" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet	1,689.82	196.44
12 56 53 00-0212	EA	15" Wide x 28-1/2" High x 21-1/2" Deep, 3 Drawer, Wood Laboratory Base Cabinet	1,557.43	181.02
12 56 53 00-0213	EA	18" Wide x 28-1/2" High x 21-1/2" Deep, 3 Drawer, Wood Laboratory Base Cabinet	1,612.04	187.44
12 56 53 00-0214	EA	21" Wide x 28-1/2" High x 21-1/2" Deep, 3 Drawer, Wood Laboratory Base Cabinet	1,654.26	192.58
12 56 53 00-0215	EA	24" Wide x 28-1/2" High x 21-1/2" Deep, 3 Drawer, Wood Laboratory Base Cabinet	1,710.86	198.36
12 56 53 00-0216	EA	15" Wide x 28-1/2" High x 21-1/2" Deep, 4 Drawer, Wood Laboratory Base Cabinet	1,583.54	183.59
12 56 53 00-0217	EA	18" Wide x 28-1/2" High x 21-1/2" Deep, 4 Drawer, Wood Laboratory Base Cabinet	1,647.18	191.94
12 56 53 00-0218	EA	21" Wide x 28-1/2" High x 21-1/2" Deep, 4 Drawer, Wood Laboratory Base Cabinet	1,694.30	197.07
12 56 53 00-0219	EA	24" Wide x 28-1/2" High x 21-1/2" Deep, 4 Drawer, Wood Laboratory Base Cabinet	1,748.51	203.50
12 56 53 00-0220	EA	30" Wide x 28-1/2" High x 21-1/2" Deep, 6 Drawer, Wood Laboratory Base Cabinet	2,476.70	287.59
12 56 53 00-0221	EA	36" Wide x 28-1/2" High x 21-1/2" Deep, 6 Drawer, Wood Laboratory Base Cabinet	2,625.01	304.92
12 56 53 00-0222	EA	42" Wide x 28-1/2" High x 21-1/2" Deep, 6 Drawer, Wood Laboratory Base Cabinet	2,679.16	311.33
12 56 53 00-0223	EA	48" Wide x 28-1/2" High x 21-1/2" Deep, 6 Drawer, Wood Laboratory Base Cabinet	2,785.29	323.54
12 56 53 00-0224	EA	30" Wide x 28-1/2" High x 21-1/2" Deep, 8 Drawer, Wood Laboratory Base Cabinet	2,837.19	329.31
12 56 53 00-0225	EA	36" Wide x 28-1/2" High x 21-1/2" Deep, 8 Drawer, Wood Laboratory Base Cabinet	2,969.09	345.36
12 56 53 00-0226	EA	42" Wide x 28-1/2" High x 21-1/2" Deep, 8 Drawer, Wood Laboratory Base Cabinet	3,056.18	355.63
12 56 53 00-0227	EA	48" Wide x 28-1/2" High x 21-1/2" Deep, 8 Drawer, Wood Laboratory Base Cabinet	3,162.29	367.83
12 56 53 00-0228	EA	15" Wide x 28-1/2" High x 21-1/2" Deep, 1 Drawer Over Cupboard, Wood Laboratory Base Cabinet	1,173.49	136.73
12 56 53 00-0229	EA	18" Wide x 28-1/2" High x 21-1/2" Deep, 1 Drawer Over Cupboard, Wood Laboratory Base Cabinet	1,215.91	141.87
12 56 53 00-0230	EA	21" Wide x 28-1/2" High x 21-1/2" Deep, 1 Drawer Over Cupboard, Wood Laboratory Base Cabinet	1,241.84	144.43
12 56 53 00-0231	EA	24" Wide x 28-1/2" High x 21-1/2" Deep, 1 Drawer Over Cupboard, Wood Laboratory Base Cabinet	1,277.20	148.29
12 56 53 00-0232	EA	30" Wide x 28-1/2" High x 21-1/2" Deep, Double Drawer Over Cupboard, Wood Laboratory Base	1,894.57	220.19
12 56 53 00-0233	EA	36" Wide x 28-1/2" High x 21-1/2" Deep, Double Drawer Over Cupboard, Wood Laboratory Base	1,981.77	230.33
12 56 53 00-0234	EA	42" Wide x 28-1/2" High x 21-1/2" Deep, Double Drawer Over Cupboard, Wood Laboratory Base	2,038.31	236.88
12 56 53 00-0235	EA	48" Wide x 28-1/2" High x 21-1/2" Deep, Double Drawer Over Cupboard, Wood Laboratory Base	2,111.40	245.35
12 56 53 00-0236	EA	35" Wide x 28-1/2" High x 21-1/2" Deep, Diagonal Corner, Wood Laboratory Base Cabinet	2,474.27	287.59
12 56 53 00-0237	EA	35" Wide x 28-1/2" High x 21-1/2" Deep, Diagonal Corner With Lazy Susan, Wood Laboratory Base Cabinet	2,742.84	319.04
12 56 53 00-0238	EA	15" Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet	966.14	112.34
12 56 53 00-0239	EA	18" Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet	996.77	115.80
12 56 53 00-0240	EA	21" Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet	1,015.61	117.99
12 56 53 00-0241	EA	24" Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet	1,039.18	120.81
12 56 53 00-0242	EA	30" Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet	1,331.38	154.71
12 56 53 00-0243	EA	36" Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet	1,399.71	162.66
12 56 53 00-0244	EA	42" Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet	1,439.78	167.29
12 56 53 00-0245	EA	48" Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet	1,482.18	172.29

12 56 53 00-0246

35-3/4" High x 22" Deep, Wood Laboratory Base Cabinets (12 56 53 00-0194)

12 56 53 00-0247	EA	24" Wide x 35-3/4" High x 22" Deep, 2 Swinging Door, Wood Laboratory Base Cabinet	1,527.52	177.51
12 56 53 00-0248	EA	30" Wide x 35-3/4" High x 22" Deep, 2 Swinging Door, Wood Laboratory Base Cabinet	1,978.27	229.51
12 56 53 00-0249	EA	36" Wide x 35-3/4" High x 22" Deep, 2 Swinging Door, Wood Laboratory Base Cabinet	1,992.30	231.51
12 56 53 00-0250	EA	48" Wide x 35-3/4" High x 22" Deep, 2 Swinging Door, Wood Laboratory Base Cabinet	2,297.80	267.02
12 56 53 00-0251	EA	24" Wide x 35-3/4" High x 22" Deep, 4 Drawer, Wood Laboratory Base Cabinet	2,504.10	290.99
12 56 53 00-0252	EA	30" Wide x 35-3/4" High x 22" Deep, 4 Drawer, Wood Laboratory Base Cabinet	2,809.57	326.49
12 56 53 00-0253	EA	36" Wide x 35-3/4" High x 22" Deep, 4 Drawer, Wood Laboratory Base Cabinet	3,005.44	349.25
12 56 53 00-0254	EA	48" Wide x 35-3/4" High x 22" Deep, 4 Drawer, Wood Laboratory Base Cabinet	3,558.98	413.58
12 56 53 00-0255	EA	24" Wide x 35-3/4" High x 22" Deep, Combination Door/Drawer, Wood Laboratory Base Cabinet	1,840.85	213.38
12 56 53 00-0256	EA	30" Wide x 35-3/4" High x 22" Deep, Combination Door/Drawer, Wood Laboratory Base Cabinet	2,535.40	294.62
12 56 53 00-0257	EA	36" Wide x 35-3/4" High x 22" Deep, Combination Door/Drawer, Wood Laboratory Base Cabinet	2,637.25	306.47
12 56 53 00-0258	EA	48" Wide Base Cabinet With Combination Door/Drawer	2,947.99	342.57

12 56 53 00-0259

30-5/8" High x 13" Deep, Wood Laboratory Wall Cabinets (12 56 53 00-0194)

12 56 53 00-0260	EA	15" Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet	1,036.84	120.68
		For 36" Height Cabinet, Add	147.23	
12 56 53 00-0261	EA	18" Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet	1,076.90	124.54
		For 36" Height Cabinet, Add	152.92	
12 56 53 00-0262	EA	21" Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet	1,105.17	128.39
		For 36" Height Cabinet, Add	156.93	
12 56 53 00-0263	EA	24" Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet	1,008.55	116.83
		For 36" Height Cabinet, Add	143.21	

12 Furnishings**12 50 Furniture****12 56 Institutional Furniture**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

12 56 53 00-0264	EA	30" Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet.....	1,159.38	134.81
		<i>For 36" Height Cabinet, Add</i>	164.63	
12 56 53 00-0265	EA	36" Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet.....	1,256.00	145.72
		<i>For 36" Height Cabinet, Add</i>	178.35	
12 56 53 00-0266	EA	42" Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet.....	1,312.54	152.78
		<i>For 36" Height Cabinet, Add</i>	186.38	
12 56 53 00-0267	EA	48" Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet.....	1,390.32	161.12
		<i>For 36" Height Cabinet, Add</i>	197.42	
12 56 53 00-0268	EA	15" Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet.....	1,138.17	132.24
		<i>For 36" Height Cabinet, Add</i>	161.62	
12 56 53 00-0269	EA	18" Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet.....	1,190.02	138.66
		<i>For 36" Height Cabinet, Add</i>	168.98	
12 56 53 00-0270	EA	21" Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet.....	2,992.51	1,450.78
		<i>For 36" Height Cabinet, Add</i>	17.70	
12 56 53 00-0271	EA	24" Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet.....	1,279.55	148.29
		<i>For 36" Height Cabinet, Add</i>	181.70	
12 56 53 00-0272	EA	30" Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet.....	1,673.11	194.50
		<i>For 36" Height Cabinet, Add</i>	237.58	
12 56 53 00-0273	EA	36" Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet.....	1,802.70	209.27
		<i>For 36" Height Cabinet, Add</i>	255.98	
12 56 53 00-0274	EA	42" Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet.....	1,885.16	219.54
		<i>For 36" Height Cabinet, Add</i>	267.69	
12 56 53 00-0275	EA	48" Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet.....	1,984.11	230.46
		<i>For 36" Height Cabinet, Add</i>	281.75	
12 56 53 00-0276	EA	15" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet.....	1,274.83	148.29
		<i>For 36" Height Cabinet, Add</i>	181.03	
12 56 53 00-0277	EA	18" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet.....	1,324.32	154.06
		<i>For 36" Height Cabinet, Add</i>	188.05	
12 56 53 00-0278	EA	21" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet.....	1,362.01	157.92
		<i>For 36" Height Cabinet, Add</i>	193.41	
12 56 53 00-0279	EA	24" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet.....	1,413.87	164.33
		<i>For 36" Height Cabinet, Add</i>	200.77	
12 56 53 00-0280	EA	30" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet.....	1,948.78	226.61
		<i>For 36" Height Cabinet, Add</i>	276.73	
12 56 53 00-0281	EA	36" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet.....	2,073.69	240.72
		<i>For 36" Height Cabinet, Add</i>	294.46	
12 56 53 00-0282	EA	42" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet.....	2,130.18	247.78
		<i>For 36" Height Cabinet, Add</i>	302.49	
12 56 53 00-0283	EA	48" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet.....	2,259.81	262.55
		<i>For 36" Height Cabinet, Add</i>	320.90	
12 56 53 00-0284	EA	30" Wide x 30-5/8" High x 13" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet.....	1,743.83	202.21
		<i>For 36" Height Cabinet, Add</i>	247.62	
12 56 53 00-0285	EA	36" Wide x 30-5/8" High x 13" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet.....	1,882.52	218.90
		<i>For 36" Height Cabinet, Add</i>	267.36	
12 56 53 00-0286	EA	42" Wide x 30-5/8" High x 13" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet.....	2,009.91	233.67
		<i>For 36" Height Cabinet, Add</i>	285.43	
12 56 53 00-0287	EA	48" Wide x 30-5/8" High x 13" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet.....	2,151.32	250.36
		<i>For 36" Height Cabinet, Add</i>	305.50	
12 56 53 00-0288	EA	30" Wide x 30-5/8" High x 13" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet.....	2,106.95	244.57
		<i>For 36" Height Cabinet, Add</i>	299.15	
12 56 53 00-0289	EA	36" Wide x 30-5/8" High x 13" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet.....	2,238.84	259.99
		<i>For 36" Height Cabinet, Add</i>	317.88	
12 56 53 00-0290	EA	42" Wide x 30-5/8" High x 13" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet.....	2,309.28	268.33
		<i>For 36" Height Cabinet, Add</i>	327.92	
12 56 53 00-0291	EA	48" Wide x 30-5/8" High x 13" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet.....	2,436.50	283.10
		<i>For 36" Height Cabinet, Add</i>	345.99	
12 56 53 00-0292	EA	23-1/2" Wide x 30-5/8" High x 13" Deep, Corner With Solid Swinging Door, Wood Laboratory Wall Cabinet.....	2,568.77	298.50
		<i>For 36" Height Cabinet, Add</i>	364.73	
12 56 53 00-0293	EA	23-1/2" Wide x 30-5/8" High x 13" Deep, Corner With Glass Swinging Door, Wood Laboratory Wall Cabinet.....	2,674.45	311.33
		<i>For 36" Height Cabinet, Add</i>	379.79	

12 56 53 00-0294 30-5/8" High x 16" Deep, Wood Laboratory Wall Cabinets (12 56 53 00-0194)

12 56 53 00-0295	EA	30" Wide x 30-5/8" High x 16" Deep, Open, Wood Laboratory Wall Cabinet.....	1,281.91	148.93
		<i>For 36" Height Cabinet, Add</i>	182.03	
12 56 53 00-0296	EA	36" Wide x 30-5/8" High x 16" Deep, Open, Wood Laboratory Wall Cabinet.....	1,404.45	163.06
		<i>For 36" Height Cabinet, Add</i>	199.43	
12 56 53 00-0297	EA	42" Wide x 30-5/8" High x 16" Deep, Open, Wood Laboratory Wall Cabinet.....	1,472.78	171.40
		<i>For 36" Height Cabinet, Add</i>	209.13	
12 56 53 00-0298	EA	48" Wide x 30-5/8" High x 16" Deep, Open, Wood Laboratory Wall Cabinet.....	1,564.70	181.02
		<i>For 36" Height Cabinet, Add</i>	222.18	
12 56 53 00-0299	EA	15" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet.....	1,192.37	138.66
		<i>For 36" Height Cabinet, Add</i>	169.32	
12 56 53 00-0300	EA	18" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet.....	1,256.00	146.37
		<i>For 36" Height Cabinet, Add</i>	178.35	
12 56 53 00-0301	EA	21" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet.....	1,293.63	150.85
		<i>For 36" Height Cabinet, Add</i>	183.70	
12 56 53 00-0302	EA	24" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet.....	1,347.89	155.99
		<i>For 36" Height Cabinet, Add</i>	191.40	
12 56 53 00-0303	EA	30" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet.....	1,769.74	205.42
		<i>For 36" Height Cabinet, Add</i>	251.29	
12 56 53 00-0304	EA	36" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet.....	1,920.52	222.75
		<i>For 36" Height Cabinet, Add</i>	272.71	
12 56 53 00-0305	EA	42" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet.....	2,005.35	233.67
		<i>For 36" Height Cabinet, Add</i>	284.76	
12 56 53 00-0306	EA	48" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet.....	2,118.40	245.86
		<i>For 36" Height Cabinet, Add</i>	300.82	
12 56 53 00-0307	EA	15" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet.....	1,333.74	155.35
		<i>For 36" Height Cabinet, Add</i>	189.39	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 56 53 00-0308	EA	18" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	1,373.83 195.08	159.85
12 56 53 00-0309	EA	21" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	1,418.55 201.44	164.33
12 56 53 00-0310	EA	24" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	1,491.62 211.81	173.32
12 56 53 00-0311	EA	30" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	2,033.64 288.77	236.23
12 56 53 00-0312	EA	36" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	2,193.88 311.53	254.85
12 56 53 00-0313	EA	42" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	2,262.13 321.23	263.20
12 56 53 00-0314	EA	48" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	2,408.28 341.98	279.89
12 56 53 00-0315	EA	30" Wide x 30-5/8" High x 16" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	1,826.32 259.33	211.84
12 56 53 00-0316	EA	36" Wide x 30-5/8" High x 16" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	2,019.20 286.76	234.95
12 56 53 00-0317	EA	42" Wide x 30-5/8" High x 16" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	2,120.66 301.15	246.51
12 56 53 00-0318	EA	48" Wide x 30-5/8" High x 16" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	2,267.04 321.90	263.84
12 56 53 00-0319	EA	30" Wide x 30-5/8" High x 16" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	2,201.27 312.53	255.49
12 56 53 00-0320	EA	36" Wide x 30-5/8" High x 16" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	2,340.17 332.27	271.54
12 56 53 00-0321	EA	42" Wide x 30-5/8" High x 16" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	2,434.19 345.66	283.10
12 56 53 00-0322	EA	48" Wide x 30-5/8" High x 16" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	2,566.07 364.39	297.86
12 56 53 00-0323	EA	26-1/2" Wide x 30-5/8" High x 16" Deep, Corner With Solid Swinging Door, Wood Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	2,688.94 381.80	312.62
12 56 53 00-0324	EA	26-1/2" Wide x 30-5/8" High x 16" Deep, Corner With Glass Swinging Door, Wood Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	2,775.71 394.18	322.89
12 56 53 00-0325		Wood Laboratory Pegboard (12 56 53 00-0193)		
12 56 53 00-0326	EA	3/4" Thick x 32" Long x 29" High Laboratory Pegboard..... Note: Includes 53 polypropylene pegs, each 1/2" diameter x 4-1/2" long and ribbon sealing putty for wall mounting	1,730.82	206.78
12 56 53 00-0327		Plastic Laminate Laboratory Furniture (12 56 53)		
12 56 53 00-0328		Plastic Laminate Laboratory Cabinets (12 56 53 00-0327)		
12 56 53 00-0329		28-1/2" High x 22.3" Deep, Plastic Laminate Laboratory Base Cabinet (12 56 53 00-0328)		
12 56 53 00-0330	EA	15" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet.....	921.91	101.30
12 56 53 00-0331	EA	18" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet.....	951.81	104.64
12 56 53 00-0332	EA	21" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet.....	981.69	107.85
12 56 53 00-0333	EA	24" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet.....	1,011.59	111.19
12 56 53 00-0334	EA	30" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet.....	1,123.76	123.51
12 56 53 00-0335	EA	36" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet.....	1,198.51	131.73
12 56 53 00-0336	EA	42" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet.....	1,253.32	137.75
12 56 53 00-0337	EA	48" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet.....	1,320.61	145.21
12 56 53 00-0338	EA	15" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet.....	1,121.27	123.25
12 56 53 00-0339	EA	18" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet.....	1,161.13	127.61
12 56 53 00-0340	EA	21" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet.....	1,186.05	130.31
12 56 53 00-0341	EA	24" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet.....	1,218.40	133.91
12 56 53 00-0342	EA	30" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet.....	1,567.32	172.29
12 56 53 00-0343	EA	36" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet.....	1,664.18	182.82
12 56 53 00-0344	EA	42" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet.....	1,719.25	188.98
12 56 53 00-0345	EA	48" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet.....	1,786.78	196.44
12 56 53 00-0346	EA	15" Wide x 28-1/2" High x 22.3" Deep, 3 Drawer, Plastic Laminate Laboratory Base Cabinet.....	1,646.82	180.89
12 56 53 00-0347	EA	18" Wide x 28-1/2" High x 22.3" Deep, 3 Drawer, Plastic Laminate Laboratory Base Cabinet.....	1,704.54	187.44
12 56 53 00-0348	EA	21" Wide x 28-1/2" High x 22.3" Deep, 3 Drawer, Plastic Laminate Laboratory Base Cabinet.....	1,749.19	192.32
12 56 53 00-0349	EA	24" Wide x 28-1/2" High x 22.3" Deep, 3 Drawer, Plastic Laminate Laboratory Base Cabinet.....	1,809.05	198.87
12 56 53 00-0350	EA	15" Wide x 28-1/2" High x 22.3" Deep, 4 Drawer, Plastic Laminate Laboratory Base Cabinet.....	1,674.42	183.98
12 56 53 00-0351	EA	18" Wide x 28-1/2" High x 22.3" Deep, 4 Drawer, Plastic Laminate Laboratory Base Cabinet.....	1,741.71	191.43
12 56 53 00-0352	EA	21" Wide x 28-1/2" High x 22.3" Deep, 4 Drawer, Plastic Laminate Laboratory Base Cabinet.....	1,791.54	196.95
12 56 53 00-0353	EA	24" Wide x 28-1/2" High x 22.3" Deep, 4 Drawer, Plastic Laminate Laboratory Base Cabinet.....	1,848.86	203.24
12 56 53 00-0354	EA	15" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet.....	1,338.85	123.25
12 56 53 00-0355	EA	18" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet.....	1,387.67	127.74
12 56 53 00-0356	EA	21" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet.....	1,417.31	130.31
12 56 53 00-0357	EA	24" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet.....	1,455.87	134.16
12 56 53 00-0358	EA	30" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet.....	2,120.09	233.03
12 56 53 00-0359	EA	36" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet.....	2,277.43	250.36
12 56 53 00-0360	EA	42" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet.....	2,334.06	256.78
12 56 53 00-0361	EA	48" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet.....	2,446.61	268.97
12 56 53 00-0362	EA	15" Wide Cabinet, 1 Drawer Over Cupboard.....	1,240.83	136.35
12 56 53 00-0363	EA	18" Wide x 28-1/2" High x 22.3" Deep, 1 Drawer Over Cupboard, Plastic Laminate Laboratory Base Cabinets.....	1,285.70	141.36
12 56 53 00-0364	EA	21" Wide x 28-1/2" High x 22.3" Deep, 1 Drawer Over Cupboard, Plastic Laminate Laboratory Base Cabinet.....	1,313.11	144.30
12 56 53 00-0365	EA	24" Wide x 28-1/2" High x 22.3" Deep, 1 Drawer Over Cupboard, Plastic Laminate Laboratory Base Cabinet.....	1,350.50	148.42
12 56 53 00-0366	EA	30" Wide x 28-1/2" High x 22.3" Deep, Double Drawer Over Cupboard, Plastic Laminate Laboratory Base Cabinet.....	2,003.30	220.19
12 56 53 00-0367	EA	36" Wide x 28-1/2" High x 22.3" Deep, Double Drawer Over Cupboard, Plastic Laminate Laboratory Base Cabinet.....	2,095.50	230.33
12 56 53 00-0368	EA	42" Wide x 28-1/2" High x 22.3" Deep, Double Drawer Over Cupboard, Plastic Laminate Laboratory Base Cabinet.....	2,155.29	236.88
12 56 53 00-0369	EA	48" Wide x 28-1/2" High x 22.3" Deep, Double Drawer Over Cupboard, Plastic Laminate Laboratory Base Cabinet.....	2,232.57	245.35

12 Furnishings**12 50 Furniture****12 56 Institutional Furniture**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

12 56 53 00-0370	EA	22.3" Wide x 28-1/2" High x 22.3" Deep, Diagonal Corner, Plastic Laminate Laboratory Base Cabinet.....	2,616.37	287.59
12 56 53 00-0371	EA	22.3" Wide x 28-1/2" High x 22.3" Deep, Diagonal Corner With Lazy Susan, Plastic Laminate Laboratory Base Cabinet.....	2,900.25	318.79
12 56 53 00-0372	EA	15" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet.....	1,021.58	112.34
12 56 53 00-0373	EA	18" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet.....	1,053.98	115.80
12 56 53 00-0374	EA	21" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet.....	1,073.90	117.99
12 56 53 00-0375	EA	24" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet.....	1,098.82	120.81
12 56 53 00-0376	EA	30" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet.....	1,407.79	154.71
12 56 53 00-0377	EA	36" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet.....	1,480.04	162.66
12 56 53 00-0378	EA	42" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet.....	1,522.41	167.29
12 56 53 00-0379	EA	48" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet.....	1,567.24	172.29

12 56 53 00-0380 30.6" High x 12" Deep, Plastic Laminate Laboratory Wall Cabinet (12 56 53 00-0328)

12 56 53 00-0381	EA	15" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet.....	1,096.34	120.55
		<i>For 36" Height Cabinet, Add</i>	158.24	
12 56 53 00-0382	EA	18" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet.....	1,138.70	125.18
		<i>For 36" Height Cabinet, Add</i>	164.35	
12 56 53 00-0383	EA	21" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet.....	1,168.60	128.39
		<i>For 36" Height Cabinet, Add</i>	168.67	
12 56 53 00-0384	EA	24" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet.....	1,066.44	117.22
		<i>For 36" Height Cabinet, Add</i>	153.92	
12 56 53 00-0385	EA	30" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet.....	1,225.92	134.81
		<i>For 36" Height Cabinet, Add</i>	176.94	
12 56 53 00-0386	EA	36" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet.....	1,328.08	145.97
		<i>For 36" Height Cabinet, Add</i>	191.68	
12 56 53 00-0387	EA	42" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet.....	1,387.87	152.52
		<i>For 36" Height Cabinet, Add</i>	200.32	
12 56 53 00-0388	EA	48" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet.....	1,470.11	161.64
		<i>For 36" Height Cabinet, Add</i>	212.18	
12 56 53 00-0389	EA	15" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	1,203.49	132.24
		<i>For 36" Height Cabinet, Add</i>	173.70	
12 56 53 00-0390	EA	18" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	1,258.31	138.28
		<i>For 36" Height Cabinet, Add</i>	181.61	
12 56 53 00-0391	EA	21" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	2,999.67	1,448.46
		<i>For 36" Height Cabinet, Add</i>	19.03	
12 56 53 00-0392	EA	24" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	1,352.98	148.67
		<i>For 36" Height Cabinet, Add</i>	195.28	
12 56 53 00-0393	EA	30" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	1,769.12	194.50
		<i>For 36" Height Cabinet, Add</i>	255.34	
12 56 53 00-0394	EA	36" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	1,906.15	209.52
		<i>For 36" Height Cabinet, Add</i>	275.12	
12 56 53 00-0395	EA	42" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	1,993.35	219.03
		<i>For 36" Height Cabinet, Add</i>	287.71	
12 56 53 00-0396	EA	48" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	2,097.98	230.58
		<i>For 36" Height Cabinet, Add</i>	302.81	
12 56 53 00-0397	EA	15" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	1,347.99	148.16
		<i>For 36" Height Cabinet, Add</i>	194.56	
12 56 53 00-0398	EA	18" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	1,400.33	153.93
		<i>For 36" Height Cabinet, Add</i>	202.11	
12 56 53 00-0399	EA	21" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	1,440.18	158.30
		<i>For 36" Height Cabinet, Add</i>	207.87	
12 56 53 00-0400	EA	24" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	1,495.01	164.33
		<i>For 36" Height Cabinet, Add</i>	215.78	
12 56 53 00-0401	EA	30" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	2,060.62	226.48
		<i>For 36" Height Cabinet, Add</i>	297.42	
12 56 53 00-0402	EA	36" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	2,192.70	240.98
		<i>For 36" Height Cabinet, Add</i>	316.48	
12 56 53 00-0403	EA	42" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	2,252.43	247.53
		<i>For 36" Height Cabinet, Add</i>	325.11	
12 56 53 00-0404	EA	48" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	2,389.50	262.68
		<i>For 36" Height Cabinet, Add</i>	344.89	
12 56 53 00-0405	EA	30" Wide x 30.6" High x 12" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet.....	1,843.90	202.72
		<i>For 36" Height Cabinet, Add</i>	266.13	
12 56 53 00-0406	EA	36" Wide x 30.6" High x 12" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet.....	1,990.58	218.64
		<i>For 36" Height Cabinet, Add</i>	287.35	
12 56 53 00-0407	EA	42" Wide x 30.6" High x 12" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet.....	2,125.27	233.54
		<i>For 36" Height Cabinet, Add</i>	306.77	
12 56 53 00-0408	EA	48" Wide x 30.6" High x 12" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet.....	2,274.79	250.23
		<i>For 36" Height Cabinet, Add</i>	328.35	
12 56 53 00-0409	EA	30" Wide x 30.6" High x 12" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet.....	2,227.85	244.97
		<i>For 36" Height Cabinet, Add</i>	321.51	
12 56 53 00-0410	EA	36" Wide x 30.6" High x 12" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet.....	2,367.31	260.24
		<i>For 36" Height Cabinet, Add</i>	341.65	
12 56 53 00-0411	EA	42" Wide x 30.6" High x 12" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet.....	2,441.81	268.33
		<i>For 36" Height Cabinet, Add</i>	352.44	
12 56 53 00-0412	EA	48" Wide x 30.6" High x 12" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet.....	2,576.34	283.10
		<i>For 36" Height Cabinet, Add</i>	371.86	

12 56 53 00-0413 30.6" High x 16" Deep, Plastic Laminate Laboratory Wall Cabinet (12 56 53 00-0328)

12 56 53 00-0414	EA	15" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	1,260.80	138.53
		<i>For 36" Height Cabinet, Add</i>	181.98	
12 56 53 00-0415	EA	18" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	1,328.08	145.97
		<i>For 36" Height Cabinet, Add</i>	191.68	
12 56 53 00-0416	EA	21" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	1,367.88	150.34
		<i>For 36" Height Cabinet, Add</i>	197.44	

Furnishings		12
Furniture		12 50
Institutional Furniture		12 56

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 56 53 00-0417	EA		24" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	1,425.25 205.71	156.63
12 56 53 00-0418	EA		30" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	1,871.31 270.09	205.67
12 56 53 00-0419	EA		36" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	2,030.74 293.10	223.27
12 56 53 00-0420	EA		42" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	2,120.43 306.05	233.03
12 56 53 00-0421	EA		48" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	2,239.98 323.31	246.11
12 56 53 00-0422	EA		15" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	1,410.28 203.55	154.97
12 56 53 00-0423	EA		18" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	1,452.67 209.67	159.72
12 56 53 00-0424	EA		21" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	1,499.97 216.50	164.85
12 56 53 00-0425	EA		24" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	1,577.23 227.65	173.32
12 56 53 00-0426	EA		30" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	2,150.35 310.36	236.37
12 56 53 00-0427	EA		36" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	2,319.79 334.82	254.98
12 56 53 00-0428	EA		42" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	2,391.95 345.25	262.81
12 56 53 00-0429	EA		48" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	2,546.49 367.55	279.89
12 56 53 00-0430	EA		30" Wide x 30.6" High x 16" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet <i>For 36" Height Cabinet, Add</i>	1,931.13 278.72	212.22
12 56 53 00-0431	EA		36" Wide x 30.6" High x 16" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet <i>For 36" Height Cabinet, Add</i>	2,135.10 308.21	234.56
12 56 53 00-0432	EA		42" Wide x 30.6" High x 16" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet <i>For 36" Height Cabinet, Add</i>	2,242.38 323.67	246.38
12 56 53 00-0433	EA		48" Wide x 30.6" High x 16" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet <i>For 36" Height Cabinet, Add</i>	2,397.14 345.97	263.58
12 56 53 00-0434	EA		30" Wide x 30.6" High x 16" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet <i>For 36" Height Cabinet, Add</i>	2,327.58 335.90	256.00
12 56 53 00-0435	EA		36" Wide x 30.6" High x 16" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet <i>For 36" Height Cabinet, Add</i>	2,474.47 357.12	272.05
12 56 53 00-0436	EA		42" Wide x 30.6" High x 16" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet <i>For 36" Height Cabinet, Add</i>	2,573.89 371.50	282.83
12 56 53 00-0437	EA		48" Wide x 30.6" High x 16" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet <i>For 36" Height Cabinet, Add</i>	2,713.35 391.64	298.25

12 56 89 Cafeteria Furniture (12 56)

12 56 89 00-0001 Cafeteria Table Wall Pocket Systems (12 56 89)

12 56 89 00-0002	EA		Single Table Pocket System, Against-Wall..... Note: System includes single wall pocket, one table (Up to 29" H x 30" W x 14' L), and two benches (Up to 17" H x 12" W x 14' L).	12,185.10	611.09
12 56 89 00-0003	EA		Double Table Pocket System, Against-Wall Note: System includes double wall pocket, two tables (Up to 29" H x 30" W x 14' L), and four benches (Up to 17" H x 12" W x 14' L).	20,044.39	733.31
12 56 89 00-0004	EA		Single Table Pocket System, Recessed In Wall Note: System includes single wall pocket, one table (Up to 29" H x 30" W x 14' L), and two benches (Up to 17" H x 12" W x 14' L).	12,376.92	855.52
12 56 89 00-0005	EA		Double Table Pocket System, Recessed In Wall..... Note: System includes double wall pocket, two tables (Up to 29" H x 30" W x 14' L), and four benches (Up to 17" H x 12" W x 14' L).	20,238.52	977.74

12 59 Systems Furniture (12 50)

12 59 13 Panel-Hung Component System Furniture (12 59)

12 59 13 00-0001 Open Office Systems Furniture Components (12 59 13)

Note: Excludes electrical wire and wiring devices.

12 59 13 00-0002	EA		34H 24W Fabric Covered Panel - Component Systems Furniture..... <i>For Tackable Acoustical Barrier Panel, Add</i> <i>For Acoustical Panel, Add</i> <i>For Enameled Surface, Deduct</i>	307.60 56.57 61.49 -24.60	24.68
12 59 13 00-0003	EA		34H 30W Fabric Covered Panel - Component Systems Furniture..... <i>For Tackable Acoustical Barrier Panel, Add</i> <i>For Acoustical Panel, Add</i> <i>For Enameled Surface, Deduct</i>	341.87 62.87 68.34 -27.34	27.46
12 59 13 00-0004	EA		34H 36W Fabric Covered Panel - Component Systems Furniture..... <i>For Tackable Acoustical Barrier Panel, Add</i> <i>For Acoustical Panel, Add</i> <i>For Enameled Surface, Deduct</i>	365.55 67.22 73.07 -29.23	29.25
12 59 13 00-0005	EA		34H 48W Fabric Covered Panel - Component Systems Furniture..... <i>For Tackable Acoustical Barrier Panel, Add</i> <i>For Acoustical Panel, Add</i> <i>For Enameled Surface, Deduct</i>	409.60 75.33 81.88 -32.75	32.85
12 59 13 00-0006	EA		42H 24W Fabric Covered Panel - Component Systems Furniture..... <i>For Tackable Acoustical Barrier Panel, Add</i> <i>For Acoustical Panel, Add</i> <i>For Enameled Surface, Deduct</i>	312.49 57.47 62.47 -24.99	25.04

12 Furnishings**12 50 Furniture****12 59 Systems Furniture**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
12 59 13 00-0007	EA 42H 30W Fabric Covered Panel - Component Systems Furniture..... <i>For Tackable Acoustical Barrier Panel, Add</i> <i>For Acoustical Panel, Add</i> <i>For Enameled Surface, Deduct</i>	353.27 64.97 70.62 -28.25		28.27
12 59 13 00-0008	EA 42H 36W Fabric Covered Panel - Component Systems Furniture..... <i>For Tackable Acoustical Barrier Panel, Add</i> <i>For Acoustical Panel, Add</i> <i>For Enameled Surface, Deduct</i>	395.71 72.77 79.10 -31.64		31.76
12 59 13 00-0009	EA 42H 48W Fabric Covered Panel - Component Systems Furniture..... <i>For Tackable Acoustical Barrier Panel, Add</i> <i>For Acoustical Panel, Add</i> <i>For Enameled Surface, Deduct</i>	465.09 85.53 92.97 -37.19		37.24
12 59 13 00-0010	EA 62H 12W Fabric Covered Panel - Component Systems Furniture..... <i>For Tackable Acoustical Barrier Panel, Add</i> <i>For Acoustical Panel, Add</i> <i>For Enameled Surface, Deduct</i>	301.07 55.37 60.18 -24.07		24.13
12 59 13 00-0011	EA 62H 24W Fabric Covered Panel - Component Systems Furniture..... <i>For Tackable Acoustical Barrier Panel, Add</i> <i>For Acoustical Panel, Add</i> <i>For Enameled Surface, Deduct</i>	370.43 68.13 74.05 -29.62		29.70
12 59 13 00-0012	EA 62H 36W Fabric Covered Panel - Component Systems Furniture..... <i>For Tackable Acoustical Barrier Panel, Add</i> <i>For Acoustical Panel, Add</i> <i>For Enameled Surface, Deduct</i>	463.47 85.23 92.64 -37.06		37.15
12 59 13 00-0013	EA 62H 48W Fabric Covered Panel - Component Systems Furniture..... <i>For Tackable Acoustical Barrier Panel, Add</i> <i>For Acoustical Panel, Add</i> <i>For Enameled Surface, Deduct</i>	554.81 102.04 110.91 -44.36		44.42
12 59 13 00-0014	EA 34" Draw Rod Panel Connector Hardware	16.79		1.34
12 59 13 00-0015	EA 42" Draw Rod Panel Connector Hardware	16.79		1.34
12 59 13 00-0016	EA 62" Draw Rod Panel Connector Hardware	17.92		1.43
12 59 13 00-0017	EA 34" Two-Way 90 Degree Panel Connector Hardware.....	77.27		6.19
12 59 13 00-0018	EA 42" Two-Way 90 Degree Panel Connector Hardware.....	89.59		7.18
12 59 13 00-0019	EA 62" Two-Way 90 Degree Panel Connector Hardware.....	103.03		8.26
12 59 13 00-0020	EA 34" Three-Way 90 Degree Panel Connector Hardware.....	119.83		9.60
12 59 13 00-0021	EA 42" Three-Way 90 Degree Panel Connector Hardware.....	138.87		11.13
12 59 13 00-0022	EA 62" Three-Way 90 Degree Panel Connector Hardware.....	161.27		12.93
12 59 13 00-0023	EA 34" Four-Way 90 Degree Panel Connector Hardware.....	151.19		12.11
12 59 13 00-0024	EA 42" Four-Way 90 Degree Panel Connector Hardware.....	176.95		14.18
12 59 13 00-0025	EA 62" Four-Way 90 Degree Panel Connector Hardware.....	212.78		17.05
12 59 13 00-0026	EA 34" Panel End Cap Hardware	25.76		2.07
12 59 13 00-0027	EA 42" Panel End Cap Hardware	29.12		2.33
12 59 13 00-0028	EA 62" Panel End Cap Hardware	31.35		2.51
12 59 13 00-0029	EA 28" Variable Height Panel End Filler..... Note: Field cut to appropriate length.	28.41		2.33
12 59 13 00-0030	EA Two-Way Trim Cover For Cable Management Raceway.....	14.62		1.16
12 59 13 00-0031	EA Three-Way Trim Cover For Cable Management Raceway	15.42		1.25
12 59 13 00-0032	EA Four-Way Trim Cover For Cable Management Raceway	17.86		1.43
12 59 13 00-0033	EA Finished End Trim Cover For Cable Management Raceway.....	14.62		1.16
12 59 13 00-0034	EA 12" Cable Management Raceway Assembly..... Note: Includes base plate, two side covers, and 2 side cover fillers.	30.04		2.42
12 59 13 00-0035	EA 24" Cable Management Raceway Assembly..... Note: Includes base plate, two side covers, and 2 side cover fillers.	34.10		2.69
12 59 13 00-0036	EA 30" Cable Management Raceway Assembly..... Note: Includes base plate, two side covers, and 2 side cover fillers.	34.90		2.78
12 59 13 00-0037	EA 36" Cable Management Raceway Assembly..... Note: Includes base plate, two side covers, and 2 side cover fillers.	38.97		3.14
12 59 13 00-0038	EA 48" Cable Management Raceway Assembly..... Note: Includes base plate, two side covers, and 2 side cover fillers.	43.83		3.50
12 59 13 00-0039	EA 24" x 36" Radiused Edge Rectangular Hanging Work Surface.....	235.80		18.85
12 59 13 00-0040	EA 30" x 36" Radiused Edge Rectangular Hanging Work Surface.....	290.46		23.24
12 59 13 00-0041	EA 24" x 48" Radiused Edge Rectangular Hanging Work Surface.....	274.15		21.99
12 59 13 00-0042	EA 30" x 48" Radiused Edge Rectangular Hanging Work Surface.....	342.71		27.46
12 59 13 00-0043	EA 24" x 60" Radiused Edge Rectangular Hanging Work Surface.....	345.94		27.73
12 59 13 00-0044	EA 30" x 60" Radiused Edge Rectangular Hanging Work Surface.....	435.72		34.99
12 59 13 00-0045	EA 24" x 72" Radiused Edge Rectangular Hanging Work Surface.....	420.20		33.65
12 59 13 00-0046	EA 30" x 72" Radiused Edge Rectangular Hanging Work Surface.....	527.87		42.27
12 59 13 00-0047	EA 30" x 60" Radiused Edge Table	937.74		75.19
12 59 13 00-0048	EA 30" x 72" Radiused Edge Table	1,024.75		82.20
12 59 13 00-0049	EA 14" x 24" Radiused Edge Transaction Surface	112.60		9.06
12 59 13 00-0050	EA 14" x 36" Radiused Edge Transaction Surface	128.09		10.23
12 59 13 00-0051	EA 14" x 48" Radiused Edge Transaction Surface	143.61		11.49
12 59 13 00-0052	EA 14" x 60" Radiused Edge Transaction Surface	178.68		14.36
12 59 13 00-0053	EA 14" x 72" Radiused Edge Transaction Surface	214.57		17.23
12 59 13 00-0054	EA 14" Right Angle Corner Transaction Surface	375.34		30.07
12 59 13 00-0055	EA Transaction Surface Support	29.73		2.38
12 59 13 00-0056	EA Plastic Pencil Drawer.....	32.57		2.33
12 59 13 00-0057	EA 15-1/2" x 24" Hanging Shelf.....	109.62		8.79
12 59 13 00-0058	EA 15-1/2" x 36" Hanging Shelf.....	119.35		9.51
12 59 13 00-0059	EA 15-1/2" x 48" Hanging Shelf.....	127.48		10.23
12 59 13 00-0060	EA 24" Flipper Door - Top And Front Closure	189.17		15.16
	Note: Used with hanging shelf.			
12 59 13 00-0061	EA 36" Flipper Door - Top And Front Closure	220.85		17.77
	Note: Used with hanging shelf.			
12 59 13 00-0062	EA 48" Flipper Door - Top And Front Closure	253.33		20.28
	Note: Used with hanging shelf.			
12 59 13 00-0063	EA 24" Suspended Lateral File, Lockable	652.40		52.00
12 59 13 00-0064	EA 30" Suspended Lateral File, Lockable	689.06		54.92

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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12 59 13 00-0065	EA		36" Suspended Lateral File, Lockable	727.06	57.95
12 59 13 00-0066	EA		48" Suspended Lateral File, Lockable	795.19	63.38
12 59 13 00-0067	EA		Fully Adjustable Vinyl Keyboard Tray	295.57	23.69
12 59 13 00-0068	EA		Palm Rest For Vinyl Keyboard Tray	46.27	3.77
12 59 13 00-0069	EA		24" x 36" Radiused Edge Corner Work Surface	373.41	29.97
12 59 13 00-0070	EA		File Drawer Organizer	120.18	9.60
12 59 13 00-0071	EA		Suspended Lateral File Converter Bracket	25.99	2.07
12 59 13 00-0072	EA		Utility Task Light	129.91	10.41

12 59 13 00-0073

Disassemble And Store Systems Furniture Components (12 59 13)

12 59 13 00-0074	EA		Disassemble And Store 34H 24W Fabric Covered Panel	30.84	
12 59 13 00-0075	EA		Disassemble And Store 34H 30W Fabric Covered Panel	34.27	
12 59 13 00-0076	EA		Disassemble And Store 34H 36W Fabric Covered Panel	36.65	
12 59 13 00-0077	EA		Disassemble And Store 34H 48W Fabric Covered Panel	41.06	
12 59 13 00-0078	EA		Disassemble And Store 42H 24W Fabric Covered Panel	31.33	
12 59 13 00-0079	EA		Disassemble And Store 42H 30W Fabric Covered Panel	35.41	
12 59 13 00-0080	EA		Disassemble And Store 42H 36W Fabric Covered Panel	39.67	
12 59 13 00-0081	EA		Disassemble And Store 42H 48W Fabric Covered Panel	46.62	
12 59 13 00-0082	EA		Disassemble And Store 62H 12W Fabric Covered Panel	30.19	
12 59 13 00-0083	EA		Disassemble And Store 62H 24W Fabric Covered Panel	37.14	
12 59 13 00-0084	EA		Disassemble And Store 62H 36W Fabric Covered Panel	46.46	
12 59 13 00-0085	EA		Disassemble And Store 62H 48W Fabric Covered Panel	55.63	
12 59 13 00-0086	EA		Disassemble And Store 34" Draw Rod Panel Connector Hardware	1.69	
12 59 13 00-0087	EA		Disassemble And Store 42" Draw Rod Panel Connector Hardware	1.69	
12 59 13 00-0088	EA		Disassemble And Store 62" Draw Rod Panel Connector Hardware	1.80	
12 59 13 00-0089	EA		Disassemble And Store 34" Two-Way 90 Degree Panel Connector Hardware	7.75	
12 59 13 00-0090	EA		Disassemble And Store 42" Two-Way 90 Degree Panel Connector Hardware	8.98	
12 59 13 00-0091	EA		Disassemble And Store 62" Two-Way 90 Degree Panel Connector Hardware	10.33	
12 59 13 00-0092	EA		Disassemble And Store 34" Three-Way 90 Degree Panel Connector Hardware	12.01	
12 59 13 00-0093	EA		Disassemble And Store 42" Three-Way 90 Degree Panel Connector Hardware	13.92	
12 59 13 00-0094	EA		Disassemble And Store 62" Three-Way 90 Degree Panel Connector Hardware	16.17	
12 59 13 00-0095	EA		Disassemble And Store 34" Four-Way 90 Degree Panel Connector Hardware	15.15	
12 59 13 00-0096	EA		Disassemble And Store 42" Four-Way 90 Degree Panel Connector Hardware	17.74	
12 59 13 00-0097	EA		Disassemble And Store 62" Four-Way 90 Degree Panel Connector Hardware	21.33	
12 59 13 00-0098	EA		Disassemble And Store 34" Panel End Cap Hardware	2.58	
12 59 13 00-0099	EA		Disassemble And Store 42" Panel End Cap Hardware	2.92	
12 59 13 00-0100	EA		Disassemble And Store 62" Panel End Cap Hardware	3.14	
12 59 13 00-0101	EA		Disassemble And Store Variable Height Panel End Filler	2.85	
12 59 13 00-0102	EA		Disassemble And Store Two-Way Trim Cover For Cable Management Raceway	1.47	
12 59 13 00-0103	EA		Disassemble And Store Three-Way Trim Cover For Cable Management Raceway	1.55	
12 59 13 00-0104	EA		Disassemble And Store Four-Way Trim Cover For Cable Management Raceway	1.79	
12 59 13 00-0105	EA		Disassemble And Store Finished End Trim Cover For Cable Management Raceway	1.47	
12 59 13 00-0106	EA		Disassemble And Store 12" Cable Management Raceway Assembly	3.01	
12 59 13 00-0107	EA		Disassemble And Store 24" Cable Management Raceway Assembly	3.42	
12 59 13 00-0108	EA		Disassemble And Store 30" Cable Management Raceway Assembly	3.50	
12 59 13 00-0109	EA		Disassemble And Store 36" Cable Management Raceway Assembly	3.90	
12 59 13 00-0110	EA		Disassemble And Store 48" Cable Management Raceway Assembly	4.40	
12 59 13 00-0111	EA		Disassemble And Store 24" x 36" Radiused Edge Rectangular Hanging Work Surface	23.64	
12 59 13 00-0112	EA		Disassemble And Store 30" x 36" Radiused Edge Rectangular Hanging Work Surface	29.12	
12 59 13 00-0113	EA		Disassemble And Store 24" x 48" Radiused Edge Rectangular Hanging Work Surface	27.49	
12 59 13 00-0114	EA		Disassemble And Store 30" x 48" Radiused Edge Rectangular Hanging Work Surface	34.36	
12 59 13 00-0115	EA		Disassemble And Store 24" x 60" Radiused Edge Rectangular Hanging Work Surface	34.68	
12 59 13 00-0116	EA		Disassemble And Store 30" x 60" Radiused Edge Rectangular Hanging Work Surface	43.68	
12 59 13 00-0117	EA		Disassemble And Store 24" x 72" Radiused Edge Rectangular Hanging Work Surface	42.13	
12 59 13 00-0118	EA		Disassemble And Store 30" x 72" Radiused Edge Rectangular Hanging Work Surface	52.93	
12 59 13 00-0119	EA		Disassemble And Store 30" x 60" Radiused Edge Table	81.73	
12 59 13 00-0120	EA		Disassemble And Store 30" x 72" Radiused Edge Table	102.71	
12 59 13 00-0121	EA		Disassemble And Store 14" x 24" Radiused Edge Transaction Surface	11.29	
12 59 13 00-0122	EA		Disassemble And Store 14" x 36" Radiused Edge Transaction Surface	12.84	
12 59 13 00-0123	EA		Disassemble And Store 14" x 48" Radiused Edge Transaction Surface	14.40	
12 59 13 00-0124	EA		Disassemble And Store 14" x 60" Radiused Edge Transaction Surface	17.91	
12 59 13 00-0125	EA		Disassemble And Store 14" x 72" Radiused Edge Transaction Surface	21.52	
12 59 13 00-0126	EA		Disassemble And Store 14" Right Angle Corner Transaction Surface	37.63	
12 59 13 00-0127	EA		Disassemble And Store Transaction Surface Support	2.97	
12 59 13 00-0128	EA		Disassemble And Store Plastic Pencil Drawer	2.93	
12 59 13 00-0129	EA		Disassemble And Store 15-1/2" x 24" Hanging Shelf	10.99	
12 59 13 00-0130	EA		Disassemble And Store 15-1/2" x 36" Hanging Shelf	11.96	
12 59 13 00-0131	EA		Disassemble And Store 15-1/2" x 48" Hanging Shelf	12.78	
12 59 13 00-0132	EA		Disassemble And Store 24" Flipper Door And Shelf	18.97	
12 59 13 00-0133	EA		Disassemble And Store 36" Flipper Door And Shelf	22.14	
12 59 13 00-0134	EA		Disassemble And Store 48" Flipper Door And Shelf	25.40	
12 59 13 00-0135	EA		Disassemble And Store 24" Suspended Lateral File	65.00	
12 59 13 00-0136	EA		Disassemble And Store 30" Suspended Lateral File	68.65	
12 59 13 00-0137	EA		Disassemble And Store 36" Suspended Lateral File	72.43	
12 59 13 00-0138	EA		Disassemble And Store 48" Suspended Lateral File	79.23	
12 59 13 00-0139	EA		Disassemble And Store Fully Adjustable Vinyl Keyboard Tray	29.63	
12 59 13 00-0140	EA		Disassemble And Store 24" x 36" Radiused Edge Corner Work Surface	37.44	
12 59 13 00-0141	EA		Disassemble And Store Utility Task Light	13.03	

12 59 13 00-0142

Reconfigure Systems Furniture Components (12 59 13)

12 59 13 00-0143	EA		Reconfigure 34H 24W Fabric Covered Panel	32.88	
12 59 13 00-0144	EA		Reconfigure 34H 30W Fabric Covered Panel	36.54	
12 59 13 00-0145	EA		Reconfigure 34H 36W Fabric Covered Panel	39.07	

12 Furnishings**12 50 Furniture****12 59 Systems Furniture**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

12 59 13 00-0146	EA	Reconfigure 34H 48W Fabric Covered Panel.....	43.78	
12 59 13 00-0147	EA	Reconfigure 42H 24W Fabric Covered Panel.....	33.40	
12 59 13 00-0148	EA	Reconfigure 42H 30W Fabric Covered Panel.....	37.76	
12 59 13 00-0149	EA	Reconfigure 42H 36W Fabric Covered Panel.....	42.30	
12 59 13 00-0150	EA	Reconfigure 42H 48W Fabric Covered Panel.....	49.70	
12 59 13 00-0151	EA	Reconfigure 62H 12W Fabric Covered Panel.....	32.18	
12 59 13 00-0152	EA	Reconfigure 62H 24W Fabric Covered Panel.....	39.59	
12 59 13 00-0153	EA	Reconfigure 62H 36W Fabric Covered Panel.....	49.53	
12 59 13 00-0154	EA	Reconfigure 62H 48W Fabric Covered Panel.....	59.30	
12 59 13 00-0155	EA	Reconfigure 34" Draw Rod Panel Connector Hardware	1.80	
12 59 13 00-0156	EA	Reconfigure 42" Draw Rod Panel Connector Hardware	1.80	
12 59 13 00-0157	EA	Reconfigure 62" Draw Rod Panel Connector Hardware	1.92	
12 59 13 00-0158	EA	Reconfigure 34" Two-Way 90 Degree Panel Connector Hardware	8.26	
12 59 13 00-0159	EA	Reconfigure 42" Two-Way 90 Degree Panel Connector Hardware	9.57	
12 59 13 00-0160	EA	Reconfigure 62" Two-Way 90 Degree Panel Connector Hardware	11.01	
12 59 13 00-0161	EA	Reconfigure 34" Three-Way 90 Degree Panel Connector Hardware.....	12.80	
12 59 13 00-0162	EA	Reconfigure 42" Three-Way 90 Degree Panel Connector Hardware.....	14.84	
12 59 13 00-0163	EA	Reconfigure 62" Three-Way 90 Degree Panel Connector Hardware.....	17.24	
12 59 13 00-0164	EA	Reconfigure 34" Four-Way 90 Degree Panel Connector Hardware.....	16.16	
12 59 13 00-0165	EA	Reconfigure 42" Four-Way 90 Degree Panel Connector Hardware.....	18.92	
12 59 13 00-0166	EA	Reconfigure 62" Four-Way 90 Degree Panel Connector Hardware.....	22.74	
12 59 13 00-0167	EA	Reconfigure 34" Panel End Cap Hardware.....	2.75	
12 59 13 00-0168	EA	Reconfigure 42" Panel End Cap Hardware.....	3.11	
12 59 13 00-0169	EA	Reconfigure 62" Panel End Cap Hardware.....	3.35	
12 59 13 00-0170	EA	Reconfigure Variable Height Panel End Filler.....	3.04	
12 59 13 00-0171	EA	Reconfigure Two-Way Trim Cover For Cable Management Raceway	1.57	
12 59 13 00-0172	EA	Reconfigure Three-Way Trim Cover For Cable Management Raceway	1.65	
12 59 13 00-0173	EA	Reconfigure Four-Way Trim Cover For Cable Management Raceway	1.91	
12 59 13 00-0174	EA	Reconfigure Finished End Trim Cover For Cable Management Raceway.....	1.57	
12 59 13 00-0175	EA	Reconfigure 12" Cable Management Raceway Assembly.....	3.21	
12 59 13 00-0176	EA	Reconfigure 24" Cable Management Raceway Assembly.....	3.64	
12 59 13 00-0177	EA	Reconfigure 30" Cable Management Raceway Assembly.....	3.73	
12 59 13 00-0178	EA	Reconfigure 36" Cable Management Raceway Assembly.....	4.16	
12 59 13 00-0179	EA	Reconfigure 48" Cable Management Raceway Assembly.....	4.69	
12 59 13 00-0180	EA	Reconfigure 24" x 36" Radiused Edge Rectangular Hanging Work Surface.....	25.21	
12 59 13 00-0181	EA	Reconfigure 30" x 36" Radiused Edge Rectangular Hanging Work Surface.....	31.05	
12 59 13 00-0182	EA	Reconfigure 24" x 48" Radiused Edge Rectangular Hanging Work Surface.....	29.30	
12 59 13 00-0183	EA	Reconfigure 30" x 48" Radiused Edge Rectangular Hanging Work Surface.....	36.63	
12 59 13 00-0184	EA	Reconfigure 24" x 60" Radiused Edge Rectangular Hanging Work Surface.....	36.98	
12 59 13 00-0185	EA	Reconfigure 30" x 60" Radiused Edge Rectangular Hanging Work Surface.....	46.57	
12 59 13 00-0186	EA	Reconfigure 24" x 72" Radiused Edge Rectangular Hanging Work Surface.....	44.91	
12 59 13 00-0187	EA	Reconfigure 30" x 72" Radiused Edge Rectangular Hanging Work Surface.....	56.43	
12 59 13 00-0188	EA	Reconfigure 30" x 60" Radiused Edge Table.....	100.24	
12 59 13 00-0189	EA	Reconfigure 30" x 72" Radiused Edge Table.....	109.54	
12 59 13 00-0190	EA	Reconfigure 14" x 24" Radiused Edge Transaction Surface.....	12.03	
12 59 13 00-0191	EA	Reconfigure 14" x 36" Radiused Edge Transaction Surface.....	13.69	
12 59 13 00-0192	EA	Reconfigure 14" x 48" Radiused Edge Transaction Surface.....	15.35	
12 59 13 00-0193	EA	Reconfigure 14" x 60" Radiused Edge Transaction Surface.....	19.10	
12 59 13 00-0194	EA	Reconfigure 14" x 72" Radiused Edge Transaction Surface.....	22.94	
12 59 13 00-0195	EA	Reconfigure 14" Right Angle Corner Transaction Surface.....	40.12	
12 59 13 00-0196	EA	Reconfigure Transaction Surface Support.....	3.17	
12 59 13 00-0197	EA	Reconfigure 15-1/2" x 24" Hanging Shelf.....	11.72	
12 59 13 00-0198	EA	Reconfigure 15-1/2" x 36" Hanging Shelf.....	12.75	
12 59 13 00-0199	EA	Reconfigure 15-1/2" x 48" Hanging Shelf.....	13.63	
12 59 13 00-0200	EA	Reconfigure 24" Flipper Door And Shelf.....	20.22	
12 59 13 00-0201	EA	Reconfigure 36" Flipper Door And Shelf.....	23.60	
12 59 13 00-0202	EA	Reconfigure 48" Flipper Door And Shelf.....	27.07	
12 59 13 00-0203	EA	Reconfigure 24" Suspended Lateral File	69.34	
12 59 13 00-0204	EA	Reconfigure 30" Suspended Lateral File	73.23	
12 59 13 00-0205	EA	Reconfigure 36" Suspended Lateral File	77.27	
12 59 13 00-0206	EA	Reconfigure 48" Suspended Lateral File	84.52	
12 59 13 00-0207	EA	Reconfigure 24" x 36" Radiused Edge Corner Work Surface	39.91	

12 60 Multiple Seating ⁽¹²⁾**12 61 Fixed Audience Seating** ^(12 60)**12 61 13 Upholstered Audience Seating** ^(12 61)**12 61 13 00-0001 Upholstered Audience Seating** ^(12 61 13)

12 61 13 00-0002	EA	Upholstered Seat, Upholstered Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating (Irwin Marquee 51.12.00.4).....	636.47	53.45
		Note: Includes Marquee back with polymer rear panel, upholstered cover over 2" foam, number 12 self-rising seat with ergo substrate, open aisle standards, number 4 steel chair platform, floor mount, and comfort curved polymer arms.		
		For >100 To 249, Deduct	-78.04	
		For >249 To 749, Deduct	-93.65	
		For >749, Deduct	-104.06	
		For Up To 9, Add	848.06	
		For >9 To 24, Add	338.18	
		For Expansion Anchor Mounting With Anchor Caps, Add	29.58	
		For Epoxy Anchor Mounting With Anchor Caps, Add	35.78	

Furnishings			12
Multiple Seating			12 60
Fixed Audience Seating			12 61

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 61 13 00-0003	EA		Upholstered Seat, Upholstered Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating With Veneer Insert Aisle Panel (Irwin Marquee 51.12.10.4).....	670.14	53.45
			Note: Includes Marquee back with polymer rear panel, upholstered cover over 2" foam, number 12 self-rising seat with ergo substrate, number 10 aisle panel with veneer insert panel, number 4 steel chair platform, floor mount, and flat solid hardwood arms.		
			For >100 To 249, Deduct	-83.09	
			For >249 To 749, Deduct	-99.71	
			For >749, Deduct	-110.79	
			For Up To 9, Add	847.54	
			For >9 To 24, Add	337.91	
			For Expansion Anchor Mounting With Anchor Caps, Add	29.58	
			For Epoxy Anchor Mounting With Anchor Caps, Add	35.78	
12 61 13 00-0004	EA		Upholstered Seat, Upholstered Back With Veneer Surfaced Rear Panel, Number 4 Chair Platform, Fixed Audience Seating (Irwin Saturn 22.12.00.4).....	822.88	53.45
			Note: Includes Saturn back with veneer surfaced rear panel and exposed fasteners, upholstered cover over 2" foam, number 12 self-rising seat with ergo substrate, open aisle standards, number 4 steel chair platform, floor mount, and comfort curved polymer arms.		
			For >100 To 249, Deduct	-106.00	
			For >249 To 749, Deduct	-127.20	
			For >749, Deduct	-141.34	
			For Up To 9, Add	848.03	
			For >9 To 24, Add	339.21	
			For Expansion Anchor Mounting With Anchor Caps, Add	29.58	
			For Epoxy Anchor Mounting With Anchor Caps, Add	35.78	
12 61 13 00-0005	EA		Upholstered Seat, Upholstered Back With Veneer Surfaced Rear Panel, Number 4 Chair Platform, Fixed Audience Seating With Veneer Insert Aisle Panel (Irwin Saturn 22.12.10.4).....	856.99	53.45
			Note: Includes Saturn back with veneer surfaced rear panel and exposed fasteners, upholstered cover over 2" foam, number 12 self-rising seat with ergo substrate, number 10 aisle panel with veneer insert panel, number 4 steel chair platform, floor mount, and comfort curved polymer arms		
			For >100 To 249, Deduct	-111.12	
			For >249 To 749, Deduct	-133.34	
			For >749, Deduct	-148.16	
			For Up To 9, Add	844.51	
			For >9 To 24, Add	340.77	
			For Expansion Anchor Mounting With Anchor Caps, Add	29.58	
			For Epoxy Anchor Mounting With Anchor Caps, Add	35.78	
12 61 13 00-0006	EA		Upholstered Seat, Upholstered Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating (Irwin Citation 90.12.00.4).....	556.45	53.45
			Note: Includes Citation back with polymer rear panel, upholstered cover over 2" foam, number 12 self-rising seat with ergo substrate, open aisle standards, number 4 steel chair platform, floor mount, and comfort curved polymer arms.		
			For >100 To 249, Deduct	-66.04	
			For >249 To 749, Deduct	-79.25	
			For >749, Deduct	-88.05	
			For Up To 9, Add	849.70	
			For >9 To 24, Add	339.00	
			For Expansion Anchor Mounting With Anchor Caps, Add	29.58	
			For Epoxy Anchor Mounting With Anchor Caps, Add	35.78	
12 61 13 00-0007	EA		Upholstered Seat, Upholstered Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating With Laminate Insert Aisle Panel (Irwin Citation 90.12.10.4).....	563.18	53.45
			Note: Includes Citation back with polymer rear panel, upholstered cover over 2" foam, number 12 self-rising seat with ergo substrate, number 10 aisle panel with laminate insert panel, number 4 steel chair platform, floor mount, and comfort curved polymer arms.		
			For >100 To 249, Deduct	-67.05	
			For >249 To 749, Deduct	-80.46	
			For >749, Deduct	-89.40	
			For Up To 9, Add	849.28	
			For >9 To 24, Add	339.71	
			For Expansion Anchor Mounting With Anchor Caps, Add	29.58	
			For Epoxy Anchor Mounting With Anchor Caps, Add	35.78	
12 61 13 00-0008	EA		Upholstered Seat, Upholstered Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating With Laminate Surfaced Aisle Panel (Irwin Citation 90.12.86.4).....	592.09	53.45
			Note: Includes Citation back with polymer rear panel, upholstered cover over 2" foam, number 12 self-rising seat with ergo substrate, number 86 laminate surfaced aisle panel, number 4 steel chair platform, floor mount, and flat solid hardwood arms.		
			For >100 To 249, Deduct	-71.39	
			For >249 To 749, Deduct	-85.66	
			For >749, Deduct	-95.18	
			For Up To 9, Add	847.10	
			For >9 To 24, Add	337.89	
			For Expansion Anchor Mounting With Anchor Caps, Add	29.58	
			For Epoxy Anchor Mounting With Anchor Caps, Add	35.78	

12 61 16 Molded-Plastic Audience Seating (12 61)

12 61 16 00-0001 Molded-Plastic Audience Seating (12 61 16)

12 61 16 00-0002	EA		Molded Polymer Seat, Molded Polymer Back, Number 30 Chair Platform, Fixed Audience Seating (Irwin Patriot 30.52.00.30).....	421.23	53.45
			Note: Includes Patriot back, double wall polymer, number 52 self-rising seat torsion spring seat lift, open aisle standards, number 30 steel chair platform, floor mount, and polymer arms.		
			For >100 To 249, Deduct	-45.76	
			For >249 To 749, Deduct	-54.91	
			For >749, Deduct	-61.01	
			For Up To 9, Add	835.61	
			For >9 To 24, Add	335.54	
			For Expansion Anchor Mounting With Anchor Caps, Add	29.58	
			For Epoxy Anchor Mounting With Anchor Caps, Add	35.78	

12 Furnishings**12 60 Multiple Seating****12 61 Fixed Audience Seating**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

12 61 16 00-0003	EA	Molded Polymer Seat, Molded Polymer Back, Number 30 Chair Platform, Fixed Audience Seating With Laminate Surfaced Aisle Panel (Irwin Patriot 30.52.36.30)	472.09	53.45
		Note: Includes Patriot back, double wall polymer, number 52 self-rising seat torsion spring seat lift, number 36 laminate surfaced aisle panel, number 30 steel chair platform, floor mount, and flat laminate surfaced arms.		
		For >100 To 249, Deduct	-53.39	
		For >249 To 749, Deduct	-64.06	
		For >749, Deduct	-71.18	
		For Up To 9, Add	836.37	
		For >9 To 24, Add	334.55	
		For Expansion Anchor Mounting With Anchor Caps, Add	29.58	
		For Epoxy Anchor Mounting With Anchor Caps, Add	35.78	

12 61 19 Plywood/Hardwood Audience Seating (12 61)**12 61 19 00-0001 Plywood/Hardwood Audience Seating (12 61 19)**

12 61 19 00-0002	EA	Veneered Hardwood Seat, Veneered Hardwood Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating (Irwin Crusader 1.14.00.4)	668.14	53.45
		Note: Includes Crusader back, veneer surfaced, number 14 self-rising seat, open aisle standards, number 4 steel chair platform, floor mount, and flat solid hardwood arms.		
		For >100 To 249, Deduct	-82.79	
		For >249 To 749, Deduct	-99.35	
		For >749, Deduct	-110.39	
		For Up To 9, Add	877.60	
		For >9 To 24, Add	353.25	
		For Expansion Anchor Mounting With Anchor Caps, Add	29.58	
		For Epoxy Anchor Mounting With Anchor Caps, Add	35.78	
12 61 19 00-0003	EA	Veneered Hardwood Seat, Veneered Hardwood Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating With Veneer Surfaced Aisle Panel (Irwin Crusader 1.14.86.4)	695.45	53.45
		Note: Includes Crusader back, veneer surfaced, number 14 self-rising seat, number 86 veneer surfaced aisle panel, number 4 steel chair platform, floor mount, and flat solid hardwood arms.		
		For >100 To 249, Deduct	-86.89	
		For >249 To 749, Deduct	-104.27	
		For >749, Deduct	-115.85	
		For Up To 9, Add	839.93	
		For >9 To 24, Add	335.97	
		For Expansion Anchor Mounting With Anchor Caps, Add	29.58	
		For Epoxy Anchor Mounting With Anchor Caps, Add	35.78	

12 61 21 Fixed Audience Seating Accessories (12 61)**12 61 21 00-0001 Fixed Audience Seating Accessories (12 61 21)**

12 61 21 00-0002	EA	100 Square Inch, Self Storing Writing Tablet For Number 4 Chair Platform, Fixed Audience Seating (Irwin).....	217.75	
		For >100 To 249, Deduct	-30.92	
		For >249 To 749, Deduct	-37.10	
		For >749, Deduct	-41.23	
12 61 21 00-0003	EA	120 Square Inch, Self Storing Writing Tablet For Number 4 Chair Platform, Fixed Audience Seating (Irwin).....	221.71	
		For >100 To 249, Deduct	-31.51	
		For >249 To 749, Deduct	-37.82	
		For >749, Deduct	-42.02	
12 61 21 00-0004	EA	151 Square Inch, Self Storing Writing Tablet For Number 4 Chair Platform, Fixed Audience Seating (Irwin).....	232.05	
		For >100 To 249, Deduct	-33.06	
		For >249 To 749, Deduct	-39.68	
		For >749, Deduct	-44.09	
12 61 21 00-0005	EA	98 Square Inch, Tru-Fold Writing Tablet For Number 30 Chair Platform, Fixed Audience Seating (Irwin)	217.75	
		For >100 To 249, Deduct	-30.92	
		For >249 To 749, Deduct	-37.10	
		For >749, Deduct	-41.23	
12 61 21 00-0006	EA	105 Square Inch, Tru-Fold Writing Tablet For Number 30 Chair Platform, Fixed Audience Seating (Irwin)	232.92	
		For >100 To 249, Deduct	-33.20	
		For >249 To 749, Deduct	-39.83	
		For >749, Deduct	-44.26	
12 61 21 00-0007	EA	Rubber Foot Shrouds For Number 4 Chair Platform (Per Chair), Fixed Audience Seating (Irwin).....	17.76	

12 62 Portable-Audience Seating (12 60)**12 62 23 Portable Bleachers (12 62)****12 62 23 00-0001 Metal Bleachers, Outdoor, Portable (12 62 23)**

Note: Average seating is 18".

12 62 23 00-0002 Non-Elevated Portable Aluminum Bleacher (12 62 23 00-0001)

12 62 23 00-0003	SEA	2 To 5 Rows, Non-Elevated Portable Aluminum Bleacher Price Per Seat.....	178.60	4.37
		For Each "Tip and Roll" Set (Includes Two Fixed Wheels), Add To Total Structure	165.00	
		For Each "Flip and Roll" Set (Includes Four Wheels), Add To Total Structure	335.00	

12 62 23 00-0004 Non-Elevated Portable Aluminum Bleacher (12 62 23 00-0001)

Note: Includes side and back fence.

12 62 23 00-0005	SEA	5 Rows, Non-Elevated Portable Aluminum Bleacher	236.65	4.37
		Note: Including side and back fence.		
		For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add	35.00	
12 62 23 00-0006	SEA	6 To 10 Rows, Non-Elevated Portable Aluminum Bleacher	270.34	4.59
		Note: Including side and back fence.		
		For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add	35.00	

			Furnishings		12
			Multiple Seating		12 60
			Portable-Audience Seating		12 62
MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
			UNIT COST	UNIT COST	

12 62 23 00-0007	SEA	11 To 15 Rows, Non-Elevated Portable Aluminum Bleacher.....	282.18	4.81	
		Note: Including side and back fence.			
		For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards			
		Between Rows), Add	35.00		

12 62 23 00-0008 Non-Elevated Portable Aluminum Bleacher (12 62 23 00-0001)
Note: Includes side and back fence and center aisle with rails.

12 62 23 00-0009	SEA	5 Rows, Non-Elevated Portable Aluminum Bleacher.....	373.81	4.92	
		Note: Including side and back fence and center aisle with handrails.			
		For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards			
		Between Rows), Add	35.00		
12 62 23 00-0010	SEA	6 To 10 Rows, Non-Elevated Portable Aluminum Bleacher.....	428.00	5.17	
		Note: Including side and back fence and center aisle with handrails.			
		For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards			
		Between Rows), Add	35.00		
12 62 23 00-0011	SEA	11 To 15 Rows, Non-Elevated Portable Aluminum Bleacher.....	464.48	5.47	
		Note: Including side and back fence and center aisle with handrails.			
		For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards			
		Between Rows), Add	35.00		

12 66 Telescoping Stands (12 60)

12 66 13 Telescoping Bleachers (12 66)

12 66 13 00-0001 Wall Mounted Telescoping Bleachers (12 66 13)

Note: Includes column cutouts, manual operation, 10" plastic seats and cylinder lock. Excludes self-storing side rails, rear rails, rear panels or end panels. Based on gross seats. To calculate the quantity of gross seats, divide the length of the unit by 18" and then multiply by the number of rows in the unit. Do not subtract for aisles or handicap cutouts. See CSI section 12 66 13 00-0019 for additional optional accessories.

12 66 13 00-0002	SEA	3 To 10 Tier Telescoping Bleacher, 24" Row Spacing.....	264.02	25.04	
		For Aluminum Seating And Walks, Add	89.92		
		For 10" Flat Plastic Seat Modules, Add	15.00		
		For 10" Curved Plastic Seat Modules, Add	18.75		
		For 14" Curved Plastic Seat Module, Add	22.50		
		For >200 To 300, Deduct	-4.00		
		For >300 To 400, Deduct	-8.00		
		For >400 To 500, Deduct	-12.00		
		For >500, Deduct	-16.00		
12 66 13 00-0003	SEA	3 To 10 Tier Telescoping Bleacher, 25" - 26" Row Spacing	300.50	32.62	
		For Aluminum Seating And Walks, Add	104.03		
		For 10" Flat Plastic Seat Modules, Add	15.00		
		For 10" Curved Plastic Seat Modules, Add	18.75		
		For 14" Curved Plastic Seat Module, Add	22.50		
		For >200 To 300, Deduct	-4.00		
		For >300 To 400, Deduct	-8.00		
		For >400 To 500, Deduct	-12.00		
		For >500, Deduct	-16.00		
12 66 13 00-0004	SEA	3 To 10 Tier Telescoping Bleacher, 28" - 30" Row Spacing	340.44	33.64	
		For Aluminum Seating And Walks, Add	119.69		
		For 10" Flat Plastic Seat Modules, Add	15.00		
		For 10" Curved Plastic Seat Modules, Add	18.75		
		For 14" Curved Plastic Seat Module, Add	22.50		
		For >200 To 300, Deduct	-4.00		
		For >300 To 400, Deduct	-8.00		
		For >400 To 500, Deduct	-12.00		
		For >500, Deduct	-16.00		
12 66 13 00-0005	SEA	3 To 10 Tier Telescoping Bleacher, 31" - 33" Row Spacing	370.21	34.41	
		For Aluminum Seating And Walks, Add	130.77		
		For 10" Flat Plastic Seat Modules, Add	15.00		
		For 10" Curved Plastic Seat Modules, Add	18.75		
		For 14" Curved Plastic Seat Module, Add	22.50		
		For >200 To 300, Deduct	-4.00		
		For >300 To 400, Deduct	-8.00		
		For >400 To 500, Deduct	-12.00		
		For >500, Deduct	-16.00		
12 66 13 00-0006	SEA	11 To 20 Tier Telescoping Bleacher, 24" Row Spacing.....	271.47	25.04	
		For Aluminum Seating And Walks, Add	93.28		
		For 10" Flat Plastic Seat Modules, Add	15.00		
		For 10" Curved Plastic Seat Modules, Add	18.75		
		For 14" Curved Plastic Seat Module, Add	22.50		
		For >200 To 300, Deduct	-4.00		
		For >300 To 400, Deduct	-8.00		
		For >400 To 500, Deduct	-12.00		
		For >500, Deduct	-16.00		
12 66 13 00-0007	SEA	11 To 20 Tier Telescoping Bleacher, 25" - 26" Row Spacing	315.24	32.62	
		For Aluminum Seating And Walks, Add	110.66		
		For 10" Flat Plastic Seat Modules, Add	15.00		
		For 10" Curved Plastic Seat Modules, Add	18.75		
		For 14" Curved Plastic Seat Module, Add	22.50		
		For >200 To 300, Deduct	-4.00		
		For >300 To 400, Deduct	-8.00		
		For >400 To 500, Deduct	-12.00		
		For >500, Deduct	-16.00		

12 Furnishings**12 60 Multiple Seating****12 66 Telescoping Stands**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

12 66 13 00-0008	SEA 11 To 20 Tier Telescoping Bleacher, 28" - 30" Row Spacing	360.41	33.64
	For Aluminum Seating And Walks, Add	128.67	
	For 10" Flat Plastic Seat Modules, Add	15.00	
	For 10" Curved Plastic Seat Modules, Add	18.75	
	For 14" Curved Plastic Seat Module, Add	22.50	
	For >200 To 300, Deduct	-4.00	
	For >300 To 400, Deduct	-8.00	
	For >400 To 500, Deduct	-12.00	
	For >500, Deduct	-16.00	
12 66 13 00-0009	SEA 11 To 20 Tier Telescoping Bleacher, 31" - 33" Row Spacing	395.65	34.41
	For Aluminum Seating And Walks, Add	142.22	
	For 10" Flat Plastic Seat Modules, Add	15.00	
	For 10" Curved Plastic Seat Modules, Add	18.75	
	For 14" Curved Plastic Seat Module, Add	22.50	
	For >200 To 300, Deduct	-4.00	
	For >300 To 400, Deduct	-8.00	
	For >400 To 500, Deduct	-12.00	
	For >500, Deduct	-16.00	
12 66 13 00-0010	SEA 21 To 30 Tier Telescoping Bleacher, 22" - 24" Row Spacing	278.97	25.04
	For Aluminum Seating And Walks, Add	96.65	
	For 10" Flat Plastic Seat Modules, Add	15.00	
	For 10" Curved Plastic Seat Modules, Add	18.75	
	For 14" Curved Plastic Seat Module, Add	22.50	
	For >200 To 300, Deduct	-4.00	
	For >300 To 400, Deduct	-8.00	
	For >400 To 500, Deduct	-12.00	
	For >500, Deduct	-16.00	
12 66 13 00-0011	SEA 21 To 30 Tier Telescoping Bleacher, 25" - 26" Row Spacing	329.98	32.62
	For Aluminum Seating And Walks, Add	117.29	
	For 10" Flat Plastic Seat Modules, Add	15.00	
	For 10" Curved Plastic Seat Modules, Add	18.75	
	For 14" Curved Plastic Seat Module, Add	22.50	
	For >200 To 300, Deduct	-4.00	
	For >300 To 400, Deduct	-8.00	
	For >400 To 500, Deduct	-12.00	
	For >500, Deduct	-16.00	
12 66 13 00-0012	SEA 21 To 30 Tier Telescoping Bleacher, 28" - 30" Row Spacing	380.59	33.64
	For Aluminum Seating And Walks, Add	137.75	
	For 10" Flat Plastic Seat Modules, Add	15.00	
	For 10" Curved Plastic Seat Modules, Add	18.75	
	For 14" Curved Plastic Seat Module, Add	22.50	
	For >200 To 300, Deduct	-4.00	
	For >300 To 400, Deduct	-8.00	
	For >400 To 500, Deduct	-12.00	
	For >500, Deduct	-16.00	
12 66 13 00-0013	SEA 21 To 30 Tier Telescoping Bleacher, 31" - 33" Row Spacing	450.46	34.41
	For Aluminum Seating And Walks, Add	153.60	
	For 10" Flat Plastic Seat Modules, Add	15.00	
	For 10" Curved Plastic Seat Modules, Add	18.75	
	For 14" Curved Plastic Seat Module, Add	22.50	
	For >200 To 300, Deduct	-4.00	
	For >300 To 400, Deduct	-8.00	
	For >400 To 500, Deduct	-12.00	
	For >500, Deduct	-16.00	

12 66 13 00-0014 Portable Telescoping Bleachers (12 66 13)

Note: Includes manual operation, 10" plastic seats and cylinder lock. Excludes self-storing side rails, rear rails, rear panels or end panels. Based on gross seats. To calculate the quantity of gross seats, divide the length of the unit by 18" and then multiply by the number of rows in the unit. Do not subtract for aisles or handicap cutouts.

12 66 13 00-0015	SEA 3 To 10 Tier Portable Bleacher, 24" Row Spacing	293.35	25.04
	For Aluminum Seating And Walks, Add	103.12	
	For 10" Flat Plastic Seat Modules, Add	15.00	
	For 10" Curved Plastic Seat Modules, Add	18.75	
	For 14" Curved Plastic Seat Module, Add	22.50	
	For >200 To 300, Deduct	-4.00	
	For >300 To 400, Deduct	-8.00	
	For >400 To 500, Deduct	-12.00	
	For >500, Deduct	-16.00	
12 66 13 00-0016	SEA 3 To 10 Tier Portable Bleacher, 25" - 26" Row Spacing	335.18	32.62
	For Aluminum Seating And Walks, Add	119.63	
	For 10" Flat Plastic Seat Modules, Add	15.00	
	For 10" Curved Plastic Seat Modules, Add	18.75	
	For 14" Curved Plastic Seat Module, Add	22.50	
	For >200 To 300, Deduct	-4.00	
	For >300 To 400, Deduct	-8.00	
	For >400 To 500, Deduct	-12.00	
	For >500, Deduct	-16.00	
12 66 13 00-0017	SEA 3 To 10 Tier Portable Bleacher, 28" - 30" Row Spacing	380.33	33.64
	For Aluminum Seating And Walks, Add	137.64	
	For 10" Flat Plastic Seat Modules, Add	15.00	
	For 10" Curved Plastic Seat Modules, Add	18.75	
	For 14" Curved Plastic Seat Module, Add	22.50	
	For >200 To 300, Deduct	-4.00	
	For >300 To 400, Deduct	-8.00	
	For >400 To 500, Deduct	-12.00	
	For >500, Deduct	-16.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 66 13 00-0018	SEA		3 To 10 Tier Portable Bleacher, 31" - 33" Row Spacing	413.80	34.41
			For Aluminum Seating And Walks, Add	150.39	
			For 10" Flat Plastic Seat Modules, Add	15.00	
			For 10" Curved Plastic Seat Modules, Add	18.75	
			For 14" Curved Plastic Seat Module, Add	22.50	
			For >200 To 300, Deduct	-4.00	
			For >300 To 400, Deduct	-8.00	
			For >400 To 500, Deduct	-12.00	
			For >500, Deduct	-16.00	
12 66 13 00-0019			Options And Accessories (12 66 13)		
12 66 13 00-0020	EA		Removable Center Railing, Single Sphere	205.85	4.50
12 66 13 00-0021	LF		Removable Center Railing, Single Rail	71.25	4.50
12 66 13 00-0022	EA		Self Storing Side Railing	235.09	5.13
12 66 13 00-0023	LF		Rear Railing, Horizontal Or Vertical Rails	160.86	4.02
12 66 13 00-0024	SF		Rear Panel, Plywood With Metal Frame, Trim And Finish	15.52	1.29
12 66 13 00-0025	SF		End Panel, Plywood With Metal Frame, Trim And Finish	37.52	1.29
12 66 13 00-0026	SF		Rear Filler Panel	54.13	0.64
12 66 13 00-0027	EA		4' Scorer/Timer Table	436.52	21.83
12 66 13 00-0028	EA		8' Scorer/Timer Table	545.12	33.38
12 66 13 00-0029	EA		Portable Tractor For Wall Mounted Units	10,097.13	
12 66 13 00-0030	PR		Portable Dolly For Portable Units	11,325.92	
12 66 13 00-0031	SEA		For Each Additional Floor Above Or Below First Floor, Add For Installation	3.10	
12 66 13 00-0032	SEA		For Each Additional Floor Above Or Below First Floor, Add For Demolition	1.55	
12 66 13 00-0033			ROW 48" Aisle, 24" - 26" Row, With Non-Slip Tread	189.82	38.52
			For Intermediate Steps, Add	18.98	
12 66 13 00-0034			ROW 48" Aisle, 28" - 33" Row, With Non-Slip Tread	505.30	51.36
			For Intermediate Steps, Add	50.53	
12 66 13 00-0035			ROW Aisle Filler Panel, 24" - 26" Row, With Non-Slip Tread	149.82	16.05
12 66 13 00-0036			ROW Aisle Filler Panel, 28" - 33" Row, With Non-Slip Tread	109.66	16.05
12 66 13 00-0037	EA		Single Handicap Cutout Seating With Railing	682.93	48.15
12 66 13 00-0038	EA		Double Handicap Cutout Seating With Railing	1,397.86	70.61
12 66 13 00-0039	EA		Portable Operator's Handle	387.87	

END OF SECTION 12

12	12	Furnishings
	12 60	Multiple Seating
	12 66	Telescoping Stands



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST

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MINOR CSI	UOM	DESCRIPTION
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TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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13 Special Construction

13 10 Special Facility Components ⁽¹³⁾

13 11 Swimming Pools ^(13 10)

13 11 46 Swimming Pool Accessories ^(13 11)

See CSI section 22 51 19 00-0043 for diatomite type filter system.

13 11 46 00-0001	Diving Stand ^(13 11 46)		
13 11 46 00-0002	EA Diving Stand, 3 M Galvanized Steel Swimming Pool Equipment.....	35,834.52	3,209.68
13 11 46 00-0003	EA Diving Stand, 3 M Stainless Steel Swimming Pool Equipment.....	40,685.21	3,209.68
13 11 46 00-0004	EA Diving Stand, 1 M Galvanized Steel Swimming Pool Equipment.....	21,426.39	1,283.88
13 11 46 00-0005	EA Diving Stand, 1 M Stainless Steel Swimming Pool Equipment.....	25,330.29	1,283.88
13 11 46 00-0006	EA Diving Stand, 1/2 M Galvanized Steel With Stainless Steel Rails.....	7,868.79	595.72
13 11 46 00-0007	Diving Boards ^(13 11 46)		
13 11 46 00-0008	EA 14' Long, Aluminum Diving Boards.....	7,249.80	475.03
	For Wheel Adjuster, Add	122.48	
13 11 46 00-0009	EA 14' Long, Fiberglass Diving Boards.....	5,865.41	475.03
	For Wheel Adjuster, Add	122.48	
13 11 46 00-0010	EA 8' Long, Fiberglass Diving Board.....	3,224.51	394.15
	For Wheel Adjuster, Add	113.49	
13 11 46 00-0011	EA 10' Long, Fiberglass Diving Board.....	4,238.83	421.11
	For Wheel Adjuster, Add	116.47	
13 11 46 00-0012	EA 12' Long, Fiberglass Diving Board.....	5,230.88	449.35
	For Wheel Adjuster, Add	119.58	
13 11 46 00-0013	Heavy-Duty Ladders ^(13 11 46)		
13 11 46 00-0014	EA Ladders, 2 Tread, Galvanized Steel Swimming Pool Equipment.....	1,925.99	183.59
13 11 46 00-0015	EA Ladders, 2 Tread, Stainless Steel Swimming Pool Equipment.....	2,908.50	183.59
13 11 46 00-0016	EA Ladders, 4 Tread, Galvanized Steel Swimming Pool Equipment.....	2,209.88	211.84
13 11 46 00-0017	EA Ladders, 4 Tread, Stainless Steel Swimming Pool Equipment.....	3,581.62	211.84
13 11 46 00-0018	Lifeguard Chair ^(13 11 46)		
13 11 46 00-0019	EA Lifeguard Chair, Galvanized Swimming Pool Equipment.....	4,967.76	475.03
13 11 46 00-0020	EA Lifeguard Chair, Stainless Steel Swimming Pool Equipment.....	6,544.97	475.03
13 11 46 00-0021	Underwater Lights ^(13 11 46)		
13 11 46 00-0022	EA Lights, Underwater, 12 Volt, With Transformer Swimming Pool Equipment.....	470.34	146.96
13 11 46 00-0023	EA Lights, Underwater, 110 Volt, Swimming Pool Equipment.....	462.24	146.96
13 11 46 00-0024	Pool Covers ^(13 11 46)		
	Note: Includes cover straps and tension springs.		
13 11 46 00-0025	SF Pool Covers, Reinforced Polyethylene.....	14.99	6.28
13 11 46 00-0026	SF Pool Cover, Vinyl Water Tube.....	15.00	6.28
13 11 46 00-0027	Slides With Water Tube ^(13 11 46)		
13 11 46 00-0028	EA 5' Straight, Fiberglass Pool Slide.....	5,538.73	722.17
13 11 46 00-0029	Curved Slides With Water Tube ^(13 11 46)		
13 11 46 00-0030	EA 8' Curved Fiberglass Pool Slide With Continuous Flowing Water.....	10,574.61	982.54

13 12 Fountains ^(13 10)

13 12 13 Exterior Fountains ^(13 12)

13 12 13 00-0001 Fountains/Aerators ^(13 12 13)

13 12 13 00-0002	EA 1/2 HP Pump, Single Phase With 100' Cord.....	2,370.56	180.92
13 12 13 00-0003	EA 3/4 HP Pump, Single Phase With 100' Cord.....	2,617.35	184.90
13 12 13 00-0004	EA 1 HP Pump, Single Phase With 100' Cord.....	2,652.16	189.38
13 12 13 00-0005	EA 1-1/2 HP Pump, Single Phase With 100' Cord.....	2,781.79	193.85
13 12 13 00-0006	EA 2 HP Pump, Single Phase With 100' Cord.....	2,912.61	198.82
13 12 13 00-0007	EA 5 HP Pump, Three Phase With 200' Cord.....	6,193.12	203.79
13 12 13 00-0008	EA 7-1/2 HP Pump, Three Phase With 200' Cord.....	7,083.08	209.25
13 12 13 00-0009	EA 10 HP Pump, Three Phase With 200' Cord.....	7,854.65	214.73
13 12 13 00-0010	EA 15 HP Pump, Three Phase With 200' Cord.....	9,929.86	220.69
13 12 13 00-0011	EA Aerator Nozzle.....	973.42	99.41

13 20 Special Purpose Rooms ⁽¹³⁾

13 21 Controlled Environment Rooms ^(13 20)

13	13	Special Construction
	13 20	Special Purpose Rooms
	13 21	Controlled Environment Rooms



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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- 13 21 26
Cold Storage Rooms
(13 21)
- 13 21 26 13
Walk-in Coolers
(13 21 26)
- See CSI section 11 41 23 00-0000 for walk-in coolers.

13 30 Special Structures
(13)

13 34 Fabricated Engineered Structures
(13 30)

13 34 16 Grandstands and Bleachers
(13 34)

13 34 16 13 Grandstands
(13 34 16)

13 34 16 13-0001 Permanent Grandstands, Wood Seat, Steel Frame
(13 34 16 13)

13 34 16 13-0002 3 To 15 Tiers
(13 34 16 13-0001)

13 34 16 13-0003 SEA 3-15 Tier Permanent Grandstand Price Per Seat87.59 8.74

13 34 16 13-0004 16 To 30 Tiers
(13 34 16 13-0001)

13 34 16 13-0005 SEA 16-30 Tier Permanent Grandstand Price Per Seat135.27 9.84

13 34 19 Metal Building Systems
(13 34)

Note: Includes material, delivery to site, factory design analysis with report, engineered foundation design, shop drawings, and assembly of building on site.

13 34 19 00-0001 Pre-Engineered Metal Buildings
(13 34 19)

Note: Free-standing base buildings have a live load of 12 PSF and a wind load of 16.4 PSF (80 MPH). Includes anchoring and fasteners to concrete foundation. Includes design for foundation footings and piers. Includes a prime coated structural frame, painted steel wall panels 26 gauge, standing seam roof panels 26 gauge, roof 1 in 12 slope. Includes material, delivery to site, lifting equipment (crane) for erection, factory design analysis with report, engineered foundation design, shop drawings, and assembly of building on site. Eave height is measured from the top of slab to the underside of the roof deck. Excludes foundations, slab and anchor bolts embedded in concrete. See CSI section 03 15 19 00-0001 for cast in concrete anchors, 03 31 13 00-0001 for concrete slab, 03 31 13 00-0010 for concrete foundations, 13 34 19 00-0109 for metal building options.

13 34 19 00-0002 Clear Span Rigid Frame Pre-Engineered Metal Buildings
(13 34 19 00-0001)

Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.

13 34 19 00-0003 20' To 30' Wide Clear Span Rigid Frame Pre-Engineered Metal Buildings
(13 34 19 00-0002)

13 34 19 00-0004 GSF 10' Eave Height, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....31.63 7.70

- For 20' To 29' In Length Only, Add 4.07
- For 30' To 49' In Length Only, Add 3.20
- For 50' To 69' In Length Only, Add 1.87
- For 70' To 99' In Length Only, Add 0.77
- For >1 In 12 Slope To 3 In 12 Slope, Add 0.95
- For >3 In 12 Slope To 5 In 12 Slope, Add 1.58
- For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add 2.37
- For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add 3.08
- For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add 3.80
- For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add 6.01
- For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add 7.59
- For Single Slope Frame Roof, Add 2.14
- For Each SF Of 24 Gauge Wall Panel, Add 0.93
- For Each SF Of Lap Roof, Deduct -0.76
- For Each SF Of Hip Roof, Add 1.05
- For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired) -1.97

13 34 19 00-0005 GSF 12' Eave Height, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....33.76 8.46

- For 20' To 29' In Length Only, Add 4.19
- For 30' To 49' In Length Only, Add 3.29
- For 50' To 69' In Length Only, Add 1.92
- For 70' To 99' In Length Only, Add 0.79
- For >1 In 12 Slope To 3 In 12 Slope, Add 1.01
- For >3 In 12 Slope To 5 In 12 Slope, Add 1.69
- For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add 2.53
- For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add 3.29
- For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add 4.05
- For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add 6.41
- For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add 8.10
- For Single Slope Frame Roof, Add 2.20
- For Each SF Of 24 Gauge Wall Panel, Add 0.99
- For Each SF Of Lap Roof, Deduct -0.76
- For Each SF Of Hip Roof, Add 1.15
- For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired) -1.97

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0006			GSF 14' Eave Height, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	36.15	9.34
			For 20' To 29' In Length Only, Add	4.30	
			For 30' To 49' In Length Only, Add	3.38	
			For 50' To 69' In Length Only, Add	1.98	
			For 70' To 99' In Length Only, Add	0.82	
			For >1 In 12 Slope To 3 In 12 Slope, Add	1.08	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.81	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.71	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.52	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.34	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	6.87	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	8.68	
			For Single Slope Frame Roof, Add	2.27	
			For Each SF Of 24 Gauge Wall Panel, Add	1.05	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	1.26	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0007			GSF 16' Eave Height, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	38.83	10.21
			For 20' To 29' In Length Only, Add	4.51	
			For 30' To 49' In Length Only, Add	3.54	
			For 50' To 69' In Length Only, Add	2.07	
			For 70' To 99' In Length Only, Add	0.85	
			For >1 In 12 Slope To 3 In 12 Slope, Add	1.16	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.94	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.91	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.79	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.66	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	7.38	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	9.32	
			For Single Slope Frame Roof, Add	2.37	
			For Each SF Of 24 Gauge Wall Panel, Add	1.13	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	1.37	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0008			GSF 18' Eave Height, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	41.61	11.09
			For 20' To 29' In Length Only, Add	4.74	
			For 30' To 49' In Length Only, Add	3.72	
			For 50' To 69' In Length Only, Add	2.18	
			For 70' To 99' In Length Only, Add	0.90	
			For >1 In 12 Slope To 3 In 12 Slope, Add	1.25	
			For >3 In 12 Slope To 5 In 12 Slope, Add	2.08	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	3.12	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	4.06	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.99	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	7.91	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	9.99	
			For Single Slope Frame Roof, Add	2.49	
			For Each SF Of 24 Gauge Wall Panel, Add	1.21	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	1.47	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0009			GSF 20' Eave Height, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	46.00	11.90
			For 20' To 29' In Length Only, Add	5.46	
			For 30' To 49' In Length Only, Add	4.29	
			For 50' To 69' In Length Only, Add	2.51	
			For 70' To 99' In Length Only, Add	1.04	
			For >1 In 12 Slope To 3 In 12 Slope, Add	1.38	
			For >3 In 12 Slope To 5 In 12 Slope, Add	2.30	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	3.45	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	4.49	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.52	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	8.74	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	11.04	
			For Single Slope Frame Roof, Add	2.88	
			For Each SF Of 24 Gauge Wall Panel, Add	1.34	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	1.58	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0010			GSF 24' Eave Height, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	51.49	13.65
			For 20' To 29' In Length Only, Add	5.94	
			For 30' To 49' In Length Only, Add	4.67	
			For 50' To 69' In Length Only, Add	2.73	
			For 70' To 99' In Length Only, Add	1.13	
			For >1 In 12 Slope To 3 In 12 Slope, Add	1.54	
			For >3 In 12 Slope To 5 In 12 Slope, Add	2.57	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	3.86	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	5.02	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	6.18	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	9.78	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	12.36	
			For Single Slope Frame Roof, Add	3.13	
			For Each SF Of 24 Gauge Wall Panel, Add	1.50	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	1.79	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0011			>30' To 50' Wide Clear Span Rigid Frame Pre-Engineered Metal Buildings		

(13 34 19 00-0002)

13 Special Construction**13 30 Special Structures****13 34 Fabricated Engineered Structures**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

13 34 19 00-0012	GSF 10' Eave Height, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	27.12	6.13
	For 30' To 49' In Length Only, Add	2.98	
	For 50' To 69' In Length Only, Add	1.74	
	For 70' To 99' In Length Only, Add	0.72	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.81	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.36	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.03	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.64	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.25	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.15	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.51	
	For Single Slope Frame Roof, Add	2.00	
	For Each SF Of 24 Gauge Wall Panel, Add	0.81	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.86	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0013	GSF 12' Eave Height, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	28.85	6.68
	For 30' To 49' In Length Only, Add	3.07	
	For 50' To 69' In Length Only, Add	1.80	
	For 70' To 99' In Length Only, Add	0.74	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.87	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.44	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.16	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.81	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.46	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.48	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.92	
	For Single Slope Frame Roof, Add	2.06	
	For Each SF Of 24 Gauge Wall Panel, Add	0.86	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.93	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0014	GSF 14' Eave Height, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	30.31	7.23
	For 30' To 49' In Length Only, Add	3.14	
	For 50' To 69' In Length Only, Add	1.83	
	For 70' To 99' In Length Only, Add	0.76	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.91	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.52	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.27	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.96	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.64	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.76	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	7.27	
	For Single Slope Frame Roof, Add	2.10	
	For Each SF Of 24 Gauge Wall Panel, Add	0.90	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	1.00	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0015	GSF 16' Eave Height, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	32.49	7.88
	For 30' To 49' In Length Only, Add	3.30	
	For 50' To 69' In Length Only, Add	1.93	
	For 70' To 99' In Length Only, Add	0.80	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.97	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.62	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.44	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.17	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.90	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	6.17	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	7.80	
	For Single Slope Frame Roof, Add	2.21	
	For Each SF Of 24 Gauge Wall Panel, Add	0.96	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	1.08	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0016	GSF 18' Eave Height, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	35.24	8.46
	For 30' To 49' In Length Only, Add	3.62	
	For 50' To 69' In Length Only, Add	2.12	
	For 70' To 99' In Length Only, Add	0.87	
	For >1 In 12 Slope To 3 In 12 Slope, Add	1.06	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.76	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.64	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.44	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.23	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	6.70	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	8.46	
	For Single Slope Frame Roof, Add	2.43	
	For Each SF Of 24 Gauge Wall Panel, Add	1.04	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	1.15	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0017	GSF	20'	Eave Height, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	37.70	9.04
			For 30' To 49' In Length Only, Add	3.85	
			For 50' To 69' In Length Only, Add	2.25	
			For 70' To 99' In Length Only, Add	0.93	
			For >1 In 12 Slope To 3 In 12 Slope, Add	1.13	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.89	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.83	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.68	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.52	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	7.16	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	9.05	
			For Single Slope Frame Roof, Add	2.58	
			For Each SF Of 24 Gauge Wall Panel, Add	1.11	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	1.23	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0018	GSF	24'	Eave Height, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	41.18	10.21
			For 30' To 49' In Length Only, Add	4.07	
			For 50' To 69' In Length Only, Add	2.38	
			For 70' To 99' In Length Only, Add	0.98	
			For >1 In 12 Slope To 3 In 12 Slope, Add	1.24	
			For >3 In 12 Slope To 5 In 12 Slope, Add	2.06	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	3.09	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	4.02	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.94	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	7.82	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	9.88	
			For Single Slope Frame Roof, Add	2.72	
			For Each SF Of 24 Gauge Wall Panel, Add	1.21	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	1.37	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0019	>50' To 100' Wide Clear Span Rigid Frame Pre-Engineered Metal Buildings				
	(13 34 19 00-0002)				
13 34 19 00-0020	GSF	10'	Eave Height, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	21.25	4.26
			For 30' To 49' In Length Only, Add	2.61	
			For 50' To 69' In Length Only, Add	1.53	
			For 70' To 99' In Length Only, Add	0.63	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.64	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.06	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.59	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.07	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.55	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.04	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.10	
			For Single Slope Frame Roof, Add	1.75	
			For Each SF Of 24 Gauge Wall Panel, Add	0.65	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.63	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0021	GSF	12'	Eave Height, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	22.11	4.48
			For 30' To 49' In Length Only, Add	2.69	
			For 50' To 69' In Length Only, Add	1.57	
			For 70' To 99' In Length Only, Add	0.65	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.66	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.11	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.66	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.16	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.65	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.20	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.31	
			For Single Slope Frame Roof, Add	1.80	
			For Each SF Of 24 Gauge Wall Panel, Add	0.67	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.65	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0022	GSF	14'	Eave Height, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	22.95	4.69
			For 30' To 49' In Length Only, Add	2.77	
			For 50' To 69' In Length Only, Add	1.62	
			For 70' To 99' In Length Only, Add	0.67	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.69	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.15	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.72	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.24	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.75	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.36	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.51	
			For Single Slope Frame Roof, Add	1.85	
			For Each SF Of 24 Gauge Wall Panel, Add	0.70	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.68	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

13 Special Construction**13 30 Special Structures****13 34 Fabricated Engineered Structures**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

13 34 19 00-0023	GSF 16' Eave Height, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	25.31	5.43
	For 30' To 49' In Length Only, Add	2.93	
	For 50' To 69' In Length Only, Add	1.71	
	For 70' To 99' In Length Only, Add	0.71	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.76	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.27	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.90	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.47	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.04	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.81	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.07	
	For Single Slope Frame Roof, Add	1.96	
	For Each SF Of 24 Gauge Wall Panel, Add	0.76	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.77	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0024	GSF 18' Eave Height, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	27.16	6.04
	For 30' To 49' In Length Only, Add	3.03	
	For 50' To 69' In Length Only, Add	1.77	
	For 70' To 99' In Length Only, Add	0.73	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.81	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.36	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.04	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.65	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.26	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.16	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.52	
	For Single Slope Frame Roof, Add	2.03	
	For Each SF Of 24 Gauge Wall Panel, Add	0.81	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.85	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0025	GSF 20' Eave Height, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	28.90	6.65
	For 30' To 49' In Length Only, Add	3.11	
	For 50' To 69' In Length Only, Add	1.82	
	For 70' To 99' In Length Only, Add	0.75	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.87	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.45	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.17	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.82	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.47	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.49	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.94	
	For Single Slope Frame Roof, Add	2.09	
	For Each SF Of 24 Gauge Wall Panel, Add	0.86	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.93	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0026	GSF 24' Eave Height, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	32.19	7.52
	For 30' To 49' In Length Only, Add	3.41	
	For 50' To 69' In Length Only, Add	1.99	
	For 70' To 99' In Length Only, Add	0.82	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.97	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.61	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.41	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.14	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.86	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	6.12	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	7.73	
	For Single Slope Frame Roof, Add	2.28	
	For Each SF Of 24 Gauge Wall Panel, Add	0.96	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	1.03	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

13 34 19 00-0027 Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings (13 34 19 00-0001)

Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.

13 34 19 00-0028 20' To 30' Wide Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings (13 34 19 00-0027)

13 34 19 00-0029	GSF 10' Eave Height, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	27.55	6.13
	For 20' To 29' In Length Only, Add	3.92	
	For 30' To 49' In Length Only, Add	3.08	
	For 50' To 69' In Length Only, Add	1.80	
	For 70' To 99' In Length Only, Add	0.74	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.83	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.38	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.07	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.69	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.31	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.23	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.61	
	For Each SF Of 24 Gauge Wall Panel, Add	0.83	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.86	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0030			GSF 12' Eave Height, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	29.57	6.69
			For 20' To 29' In Length Only, Add	4.14	
			For 30' To 49' In Length Only, Add	3.25	
			For 50' To 69' In Length Only, Add	1.90	
			For 70' To 99' In Length Only, Add	0.78	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.89	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.48	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.22	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.88	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.55	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.62	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	7.10	
			For Each SF Of 24 Gauge Wall Panel, Add	0.88	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.93	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0031			GSF 14' Eave Height, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	31.55	7.23
			For 20' To 29' In Length Only, Add	4.34	
			For 30' To 49' In Length Only, Add	3.41	
			For 50' To 69' In Length Only, Add	2.00	
			For 70' To 99' In Length Only, Add	0.82	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.95	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.58	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.37	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.08	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.79	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.99	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	7.57	
			For Each SF Of 24 Gauge Wall Panel, Add	0.94	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	1.00	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0032			GSF 16' Eave Height, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	34.13	7.88
			For 20' To 29' In Length Only, Add	4.67	
			For 30' To 49' In Length Only, Add	3.67	
			For 50' To 69' In Length Only, Add	2.14	
			For 70' To 99' In Length Only, Add	0.88	
			For >1 In 12 Slope To 3 In 12 Slope, Add	1.02	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.71	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.56	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.33	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.10	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	6.48	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	8.19	
			For Each SF Of 24 Gauge Wall Panel, Add	1.02	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	1.08	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0033			GSF 18' Eave Height, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	36.37	8.49
			For 20' To 29' In Length Only, Add	4.91	
			For 30' To 49' In Length Only, Add	3.86	
			For 50' To 69' In Length Only, Add	2.26	
			For 70' To 99' In Length Only, Add	0.93	
			For >1 In 12 Slope To 3 In 12 Slope, Add	1.09	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.82	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.73	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.55	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.36	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	6.91	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	8.73	
			For Each SF Of 24 Gauge Wall Panel, Add	1.08	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	1.15	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0034			GSF 20' Eave Height, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	38.62	9.11
			For 20' To 29' In Length Only, Add	5.16	
			For 30' To 49' In Length Only, Add	4.05	
			For 50' To 69' In Length Only, Add	2.37	
			For 70' To 99' In Length Only, Add	0.98	
			For >1 In 12 Slope To 3 In 12 Slope, Add	1.16	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.93	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.90	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.77	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.63	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	7.34	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	9.27	
			For Each SF Of 24 Gauge Wall Panel, Add	1.15	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	1.23	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

13 Special Construction**13 30 Special Structures****13 34 Fabricated Engineered Structures**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

13 34 19 00-0035	GSF 24' Eave Height, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	43.24	10.39
	For 20' To 29' In Length Only, Add	5.65	
	For 30' To 49' In Length Only, Add	4.44	
	For 50' To 69' In Length Only, Add	2.60	
	For 70' To 99' In Length Only, Add	1.07	
	For >1 In 12 Slope To 3 In 12 Slope, Add	1.30	
	For >3 In 12 Slope To 5 In 12 Slope, Add	2.16	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	3.24	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	4.22	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.19	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	8.22	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	10.38	
	For Each SF Of 24 Gauge Wall Panel, Add	1.28	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	1.39	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

13 34 19 00-0036 >30' To 50' Wide Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings

(13 34 19 00-0027)

13 34 19 00-0037	GSF 10' Eave Height, >30' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	24.86	5.43
	For 30' To 49' In Length Only, Add	2.83	
	For 50' To 69' In Length Only, Add	1.65	
	For 70' To 99' In Length Only, Add	0.68	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.75	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.24	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.86	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.42	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.98	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.72	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.97	
	For Each SF Of 24 Gauge Wall Panel, Add	0.75	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.77	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0038	GSF 12' Eave Height, >30' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	26.50	5.92
	For 30' To 49' In Length Only, Add	2.95	
	For 50' To 69' In Length Only, Add	1.72	
	For 70' To 99' In Length Only, Add	0.71	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.80	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.33	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.99	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.58	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.18	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.04	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.36	
	For Each SF Of 24 Gauge Wall Panel, Add	0.79	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.83	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0039	GSF 14' Eave Height, >30' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	28.13	6.42
	For 30' To 49' In Length Only, Add	3.06	
	For 50' To 69' In Length Only, Add	1.79	
	For 70' To 99' In Length Only, Add	0.74	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.84	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.41	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.11	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.74	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.38	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.34	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.75	
	For Each SF Of 24 Gauge Wall Panel, Add	0.84	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.90	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0040	GSF 16' Eave Height, >30' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	29.91	6.89
	For 30' To 49' In Length Only, Add	3.22	
	For 50' To 69' In Length Only, Add	1.89	
	For 70' To 99' In Length Only, Add	0.78	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.90	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.50	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.24	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.92	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.59	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.68	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	7.18	
	For Each SF Of 24 Gauge Wall Panel, Add	0.89	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.95	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0041			GSF 18' Eave Height, >30' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	31.70	7.38
			For 30' To 49' In Length Only, Add	3.37	
			For 50' To 69' In Length Only, Add	1.97	
			For 70' To 99' In Length Only, Add	0.81	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.95	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.59	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.38	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.09	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.80	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	6.02	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	7.61	
			For Each SF Of 24 Gauge Wall Panel, Add	0.94	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	1.02	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0042			GSF 20' Eave Height, >30' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	33.46	7.88
			For 30' To 49' In Length Only, Add	3.52	
			For 50' To 69' In Length Only, Add	2.06	
			For 70' To 99' In Length Only, Add	0.85	
			For >1 In 12 Slope To 3 In 12 Slope, Add	1.00	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.67	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.51	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.26	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.02	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	6.36	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	8.03	
			For Each SF Of 24 Gauge Wall Panel, Add	0.99	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	1.08	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0043			GSF 24' Eave Height, >30' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	37.44	8.98
			For 30' To 49' In Length Only, Add	3.85	
			For 50' To 69' In Length Only, Add	2.25	
			For 70' To 99' In Length Only, Add	0.93	
			For >1 In 12 Slope To 3 In 12 Slope, Add	1.12	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.87	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.81	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.65	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.49	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	7.11	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	8.99	
			For Each SF Of 24 Gauge Wall Panel, Add	1.11	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	1.21	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0044			>50' To 80' Wide Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings (13 34 19 00-0027)		
13 34 19 00-0045			GSF 10' Eave Height, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	21.66	4.26
			For 30' To 49' In Length Only, Add	2.70	
			For 50' To 69' In Length Only, Add	1.58	
			For 70' To 99' In Length Only, Add	0.65	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.65	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.08	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.62	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.11	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.60	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.12	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.20	
			For Each SF Of 24 Gauge Wall Panel, Add	0.66	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.63	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0046			GSF 12' Eave Height, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	22.82	4.55
			For 30' To 49' In Length Only, Add	2.81	
			For 50' To 69' In Length Only, Add	1.65	
			For 70' To 99' In Length Only, Add	0.68	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.68	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.14	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.71	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.22	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.74	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.34	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.48	
			For Each SF Of 24 Gauge Wall Panel, Add	0.70	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.66	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

13 Special Construction**13 30 Special Structures****13 34 Fabricated Engineered Structures**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

13 34 19 00-0047	GSF 14' Eave Height, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	23.95	4.85
	For 30' To 49' In Length Only, Add	2.92	
	For 50' To 69' In Length Only, Add	1.71	
	For 70' To 99' In Length Only, Add	0.70	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.72	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.20	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.80	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.34	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.87	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.55	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.75	
	For Each SF Of 24 Gauge Wall Panel, Add	0.73	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.70	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0048	GSF 16' Eave Height, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	25.18	5.14
	For 30' To 49' In Length Only, Add	3.05	
	For 50' To 69' In Length Only, Add	1.78	
	For 70' To 99' In Length Only, Add	0.73	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.76	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.26	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.89	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.46	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.02	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.78	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.04	
	For Each SF Of 24 Gauge Wall Panel, Add	0.77	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.74	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0049	GSF 18' Eave Height, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	26.71	5.48
	For 30' To 49' In Length Only, Add	3.21	
	For 50' To 69' In Length Only, Add	1.88	
	For 70' To 99' In Length Only, Add	0.77	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.80	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.34	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.00	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.60	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.21	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.07	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.41	
	For Each SF Of 24 Gauge Wall Panel, Add	0.81	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.78	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0050	GSF 20' Eave Height, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	28.12	5.77
	For 30' To 49' In Length Only, Add	3.38	
	For 50' To 69' In Length Only, Add	1.98	
	For 70' To 99' In Length Only, Add	0.82	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.84	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.41	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.11	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.74	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.37	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.34	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.75	
	For Each SF Of 24 Gauge Wall Panel, Add	0.85	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.82	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0051	GSF 24' Eave Height, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	31.36	6.57
	For 30' To 49' In Length Only, Add	3.71	
	For 50' To 69' In Length Only, Add	2.17	
	For 70' To 99' In Length Only, Add	0.89	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.94	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.57	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.35	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.06	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.76	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.96	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	7.53	
	For Each SF Of 24 Gauge Wall Panel, Add	0.95	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.91	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

13 34 19 00-0052 Single Post 2-Span Frame Pre-Engineered Metal Buildings (13 34 19 00-0001)

Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.

13 34 19 00-0053 Up To 60' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings
 (13 34 19 00-0052)

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0054	GSF	14' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	22.60	5.02
		For >1 In 12 Slope To 3 In 12 Slope, Add	0.68	
		For >3 In 12 Slope To 5 In 12 Slope, Add	1.13	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.70	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.20	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.71	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.29	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.42	
		For Each SF Of 24 Gauge Wall Panel, Add	0.68	
		For Each SF Of Lap Roof, Deduct	-0.76	
		For Each SF Of Hip Roof, Add	0.72	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0055	GSF	16' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	24.12	5.37
		For >1 In 12 Slope To 3 In 12 Slope, Add	0.72	
		For >3 In 12 Slope To 5 In 12 Slope, Add	1.21	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.81	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.35	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.89	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.58	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.79	
		For Each SF Of 24 Gauge Wall Panel, Add	0.72	
		For Each SF Of Lap Roof, Deduct	-0.76	
		For Each SF Of Hip Roof, Add	0.77	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0056	GSF	18' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	25.32	5.66
		For >1 In 12 Slope To 3 In 12 Slope, Add	0.76	
		For >3 In 12 Slope To 5 In 12 Slope, Add	1.27	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.90	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.47	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.04	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.81	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.08	
		For Each SF Of 24 Gauge Wall Panel, Add	0.76	
		For Each SF Of Lap Roof, Deduct	-0.76	
		For Each SF Of Hip Roof, Add	0.80	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0057	GSF	20' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	26.51	5.95
		For >1 In 12 Slope To 3 In 12 Slope, Add	0.80	
		For >3 In 12 Slope To 5 In 12 Slope, Add	1.33	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.99	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.58	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.18	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.04	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.36	
		For Each SF Of 24 Gauge Wall Panel, Add	0.79	
		For Each SF Of Lap Roof, Deduct	-0.76	
		For Each SF Of Hip Roof, Add	0.84	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0058	GSF	24' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	28.70	6.46
		For >1 In 12 Slope To 3 In 12 Slope, Add	0.86	
		For >3 In 12 Slope To 5 In 12 Slope, Add	1.44	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.15	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.80	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.44	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.45	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.89	
		For Each SF Of 24 Gauge Wall Panel, Add	0.86	
		For Each SF Of Lap Roof, Deduct	-0.76	
		For Each SF Of Hip Roof, Add	0.90	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0059		>60' To 80' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings (13 34 19 00-0052)		
13 34 19 00-0060	GSF	14' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	20.97	4.44
		For >1 In 12 Slope To 3 In 12 Slope, Add	0.63	
		For >3 In 12 Slope To 5 In 12 Slope, Add	1.05	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.57	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.04	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.52	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.98	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.03	
		For Each SF Of 24 Gauge Wall Panel, Add	0.63	
		For Each SF Of Lap Roof, Deduct	-0.76	
		For Each SF Of Hip Roof, Add	0.65	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0061	GSF	16' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	22.32	4.73
		For >1 In 12 Slope To 3 In 12 Slope, Add	0.67	
		For >3 In 12 Slope To 5 In 12 Slope, Add	1.12	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.67	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.18	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.68	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.24	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.36	
		For Each SF Of 24 Gauge Wall Panel, Add	0.67	
		For Each SF Of Lap Roof, Deduct	-0.76	
		For Each SF Of Hip Roof, Add	0.69	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

13 Special Construction**13 30 Special Structures****13 34 Fabricated Engineered Structures**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

13 34 19 00-0062	GSF 18' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	23.53	5.02
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.71	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.18	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.76	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.29	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.82	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.47	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.65	
	For Each SF Of 24 Gauge Wall Panel, Add	0.71	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.72	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0063	GSF 20' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	24.59	5.25
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.74	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.23	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.84	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.40	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.95	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.67	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.90	
	For Each SF Of 24 Gauge Wall Panel, Add	0.74	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.75	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0064	GSF 24' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	26.61	5.72
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.80	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.33	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.00	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.59	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.19	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.06	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.39	
	For Each SF Of 24 Gauge Wall Panel, Add	0.80	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.81	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0065	>80' To 100' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings (13 34 19 00-0052)		
13 34 19 00-0066	GSF 14' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	19.47	3.91
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.58	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.97	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.46	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.90	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.34	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.70	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.67	
	For Each SF Of 24 Gauge Wall Panel, Add	0.59	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.58	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0067	GSF 16' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	20.42	4.08
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.61	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.02	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.53	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.99	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.45	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.88	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.90	
	For Each SF Of 24 Gauge Wall Panel, Add	0.62	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.61	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0068	GSF 18' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	21.49	4.31
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.64	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.07	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.61	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.10	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.58	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.08	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.16	
	For Each SF Of 24 Gauge Wall Panel, Add	0.65	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.64	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0069	GSF 20' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	22.41	4.49
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.67	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.12	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.68	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.18	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.69	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.26	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.38	
	For Each SF Of 24 Gauge Wall Panel, Add	0.68	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.66	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0070			GSF 24' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	24.25	4.90
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.73	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.21	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.82	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.36	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.91	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.61	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.82	
			For Each SF Of 24 Gauge Wall Panel, Add	0.74	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.71	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0071			>100' To 120' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings (13 34 19 00-0052)		
13 34 19 00-0072			GSF 14' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	18.98	3.73
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.57	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.95	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.42	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.85	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.28	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.61	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.56	
			For Each SF Of 24 Gauge Wall Panel, Add	0.58	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.56	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0073			GSF 16' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	19.73	3.91
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.59	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.99	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.48	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.92	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.37	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.75	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.74	
			For Each SF Of 24 Gauge Wall Panel, Add	0.60	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.58	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0074			GSF 18' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	20.66	4.08
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.62	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.03	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.55	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.01	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.48	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.93	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.96	
			For Each SF Of 24 Gauge Wall Panel, Add	0.63	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.61	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0075			GSF 20' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	21.52	4.26
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.65	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.08	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.61	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.10	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.58	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.09	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.16	
			For Each SF Of 24 Gauge Wall Panel, Add	0.66	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.63	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0076			GSF 24' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	23.35	4.61
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.70	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.17	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.75	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.28	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.80	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.44	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.60	
			For Each SF Of 24 Gauge Wall Panel, Add	0.71	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.67	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0077			Double Post 3-Span Frame Pre-Engineered Metal Buildings (13 34 19 00-0001)		
			Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.		
13 34 19 00-0078			Up To 120' Wide Double Post 3-Span Frame Pre-Engineered Metal Buildings (13 34 19 00-0077)		

13 Special Construction**13 30 Special Structures****13 34 Fabricated Engineered Structures**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

13 34 19 00-0079	GSF 14' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding.....	18.80	3.91
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.56	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.94	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.41	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.83	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.26	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.57	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.51	
	For Each SF Of 24 Gauge Wall Panel, Add	0.57	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.58	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0080	GSF 16' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding.....	19.54	4.08
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.59	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.98	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.47	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.91	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.34	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.71	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.69	
	For Each SF Of 24 Gauge Wall Panel, Add	0.59	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.61	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0081	GSF 18' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding.....	19.64	3.97
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.59	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.98	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.47	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.91	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.36	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.73	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.71	
	For Each SF Of 24 Gauge Wall Panel, Add	0.60	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.59	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0082	GSF 20' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding.....	20.42	4.15
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.61	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.02	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.53	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.99	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.45	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.88	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.90	
	For Each SF Of 24 Gauge Wall Panel, Add	0.62	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.61	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0083	GSF 24' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding.....	22.96	4.44
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.69	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.15	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.72	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.24	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.76	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.36	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.51	
	For Each SF Of 24 Gauge Wall Panel, Add	0.70	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.65	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

13 34 19 00-0084 >120' To 150' Wide Double Post 3-Span Frame Pre-Engineered Metal Buildings

(13 34 19 00-0077)

13 34 19 00-0085	GSF 14' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding.....	17.78	3.56
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.53	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.89	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.33	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.73	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.13	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.38	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.27	
	For Each SF Of 24 Gauge Wall Panel, Add	0.54	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.54	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0086	GSF 16' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding.....	18.38	3.68
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.55	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.92	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.38	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.79	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.21	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.49	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.41	
	For Each SF Of 24 Gauge Wall Panel, Add	0.56	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.56	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0087	GSF	18'	Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding 19.08	3.82	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.57	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.95	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.43	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.86	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.29	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.63	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.58	
			For Each SF Of 24 Gauge Wall Panel, Add	0.58	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.57	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0088	GSF	20'	Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding 19.74	3.97	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.59	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.99	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.48	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.92	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.37	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.75	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.74	
			For Each SF Of 24 Gauge Wall Panel, Add	0.60	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.59	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0089	GSF	24'	Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding 22.26	4.26	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.67	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.11	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.67	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.17	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.67	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.23	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.34	
			For Each SF Of 24 Gauge Wall Panel, Add	0.68	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.63	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0090	Triple Post 4-Span Frame Pre-Engineered Metal Buildings (13 34 19 00-0001)				
	Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.				
13 34 19 00-0091	Up To 160' Wide Triple Post 4-Span Frame Pre-Engineered Metal Building				
	(13 34 19 00-0090)				
13 34 19 00-0092	GSF	14'	Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding 17.07	3.39	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.51	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.85	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.28	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.66	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.05	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.24	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.10	
			For Each SF Of 24 Gauge Wall Panel, Add	0.52	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.52	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0093	GSF	16'	Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding 17.78	3.50	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.53	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.89	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.33	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.73	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.13	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.38	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.27	
			For Each SF Of 24 Gauge Wall Panel, Add	0.54	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.53	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0094	GSF	18'	Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding 18.38	3.62	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.55	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.92	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.38	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.79	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.21	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.49	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.41	
			For Each SF Of 24 Gauge Wall Panel, Add	0.56	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.55	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0095	GSF	20'	Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding 18.96	3.73	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.57	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.95	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.42	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.85	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.28	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.60	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.55	
			For Each SF Of 24 Gauge Wall Panel, Add	0.58	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.56	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

13 Special Construction**13 30 Special Structures****13 34 Fabricated Engineered Structures**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

13 34 19 00-0096	GSF 24' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	21.49	4.08
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.64	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.07	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.61	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.10	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.58	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.08	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.16	
	For Each SF Of 24 Gauge Wall Panel, Add	0.66	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.61	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

13 34 19 00-0097 >160' To 180' Wide Triple Post 4-Span Frame Pre-Engineered Metal Building

13 34 19 00-0098	GSF 14' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	16.83	3.27
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.50	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.84	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.26	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.64	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.02	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.20	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.04	
	For Each SF Of 24 Gauge Wall Panel, Add	0.52	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.51	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0099	GSF 16' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	17.44	3.39
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.52	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.87	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.31	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.70	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.09	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.31	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.19	
	For Each SF Of 24 Gauge Wall Panel, Add	0.53	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.52	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0100	GSF 18' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	18.08	3.50
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.54	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.90	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.36	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.76	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.17	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.44	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.34	
	For Each SF Of 24 Gauge Wall Panel, Add	0.55	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.53	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0101	GSF 20' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	18.69	3.62
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.56	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.93	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.40	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.82	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.24	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.55	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.49	
	For Each SF Of 24 Gauge Wall Panel, Add	0.57	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.55	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0102	GSF 24' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	21.09	3.91
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.63	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.05	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.58	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.06	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.53	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.01	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.06	
	For Each SF Of 24 Gauge Wall Panel, Add	0.65	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.58	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

13 34 19 00-0103 >180' To 200' Wide Triple Post 4-Span Frame Pre-Engineered Metal Buildings

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0104	GSF	14'	Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding.....	16.62	3.15
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.50	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.83	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.25	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.62	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.99	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.16	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.99	
			For Each SF Of 24 Gauge Wall Panel, Add	0.51	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.49	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0105	GSF	16'	Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding.....	17.12	3.27
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.51	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.86	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.28	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.67	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.05	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.25	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.11	
			For Each SF Of 24 Gauge Wall Panel, Add	0.53	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.51	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0106	GSF	18'	Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding.....	17.78	3.39
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.53	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.89	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.33	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.73	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.13	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.38	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.27	
			For Each SF Of 24 Gauge Wall Panel, Add	0.55	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.52	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0107	GSF	20'	Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding.....	18.43	3.50
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.55	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.92	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.38	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.80	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.21	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.50	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.42	
			For Each SF Of 24 Gauge Wall Panel, Add	0.57	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.53	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0108	GSF	24'	Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding.....	20.85	3.79
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.63	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.04	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.56	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.03	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.50	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.96	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.00	
			For Each SF Of 24 Gauge Wall Panel, Add	0.64	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.57	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0109	Metal Building Options (13 34 19 00-0001)				
	Note: For use with metal buildings only. See CSI section 08 36 13 00-0013 for sectional doors, 08 51 13 00-0086 for sliding windows.				
13 34 19 00-0110	Metal Framing For Rough Openings (13 34 19 00-0109)				
	Note: Excludes doors See CSI section 08 13 00 00-0000 for metal doors, 08 14 00 00-0000 for wood doors, 08 33 23 00-0000 for overhead coiling doors.				
13 34 19 00-0111	EA		Single Door, Metal Frame Rough Opening.....	450.97	130.71
13 34 19 00-0112	EA		Double Door, Metal Frame Rough Opening	673.76	169.23
13 34 19 00-0113	EA	10' x 10'	Overhead Door, Metal Frame Rough Opening	772.91	160.47
13 34 19 00-0114	EA	12' x 12'	Overhead Door, Metal Frame Rough Opening	831.02	163.39
13 34 19 00-0115	EA	14' x 14'	Overhead Door, Metal Frame Rough Opening	880.10	169.23
13 34 19 00-0116	EA	Up To 12 SF,	Window Opening, Metal Frame Rough Opening	436.39	130.71
13 34 19 00-0117	EA	>12 To 18 SF,	Window Opening, Metal Frame Rough Opening.....	490.96	148.57
13 34 19 00-0118	LF		Additional Girts	12.62	
13 34 19 00-0119	Wall Panel Options For Metal Buildings (13 34 19 00-0109)				
	Note: Upgrade from 26 gauge wall panels.				
13 34 19 00-0120	SF		Upgrade To 2" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile.....	15.57	
			Note: 24 gauge exterior and 24 gauge interior panels.		
			For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24	
			For Premium Exterior Colors, Add	0.12	
13 34 19 00-0121	SF		Upgrade To 2-1/2" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile	19.15	
			Note: 24 gauge exterior and 24 gauge interior panels.		
			For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24	
			For Premium Exterior Colors, Add	0.12	

13 Special Construction
13 30 Special Structures
13 34 Fabricated Engineered Structures

MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

13 34 19 00-0122	SF	Upgrade To 3" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile.....	22.39	
		Note: 24 gauge exterior and 24 gauge interior panels.		
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24	
		For Premium Exterior Colors, Add	0.12	
13 34 19 00-0123	SF	Upgrade To 4" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile.....	26.16	
		Note: 24 gauge exterior and 24 gauge interior panels.		
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24	
		For Premium Exterior Colors, Add	0.12	

13 34 19 00-0124 Roofing Options For Metal Buildings (13 34 19 00-0109)

		Note: Upgrade from 26 gauge standing seam roof panels.		
13 34 19 00-0125	SF	Upgrade To 24 Gauge Galvanized Steel Standing Seam Roof	1.58	
13 34 19 00-0126	SF	Upgrade To 4" Thick Insulated Roof Panel, Metal-Span III, CFR-42	25.46	
		Note: 24 gauge exterior and 24 gauge interior panels.		
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24	
		For Premium Exterior Colors, Add	0.12	
13 34 19 00-0127	SF	Upgrade To 5" Thick Insulated Roof Panel, Metal-Span III, CFR-42	27.06	
		Note: 24 gauge exterior and 24 gauge interior panels.		
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24	
		For Premium Exterior Colors, Add	0.12	
13 34 19 00-0128	SF	Upgrade To 6" Thick Insulated Roof Panel, Metal-Span III, CFR-42	28.33	
		Note: 24 gauge exterior and 24 gauge interior panels.		
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24	
		For Premium Exterior Colors, Add	0.12	
13 34 19 00-0129	EA	3' x 10' Translucent Fiberglass Panels.....	197.89	50.18
13 34 19 00-0130	LF	Vented Ridge Vent For Standing Seam Roof	26.30	

13 34 19 00-0131 Insulation For Metal Buildings (13 34 19 00-0109)

13 34 19 00-0132	SF	1-1/2" Thick, R-5.5, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation	1.33	0.38
13 34 19 00-0133	SF	2-1/2" Thick, R-8, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation	1.48	0.38
13 34 19 00-0134	SF	3-1/2" Thick, R-11, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation	1.66	0.50
13 34 19 00-0135	SF	3-1/2" Thick, R-13, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation	1.92	0.50
13 34 19 00-0136	SF	6" Thick, R-19, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation	2.38	0.50
13 34 19 00-0137	SF	1-1/2" Thick, R-5.5, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation	1.60	0.38
13 34 19 00-0138	SF	2-1/2" Thick, R-8, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation	1.75	0.38
13 34 19 00-0139	SF	3-1/2" Thick, R-11, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation	1.88	0.50
13 34 19 00-0140	SF	3-1/2" Thick, R-13, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation	2.08	0.50
13 34 19 00-0141	SF	6" Thick, R-19, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation	2.47	0.50
13 34 19 00-0142	SF	1-1/2" Thick, R-5.5, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation	1.52	0.38
13 34 19 00-0143	SF	2-1/2" Thick, R-8, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation	1.69	0.38
13 34 19 00-0144	SF	3-1/2" Thick, R-11, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation	1.99	0.50
13 34 19 00-0145	SF	3-1/2" Thick, R-13, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation	2.19	0.50
13 34 19 00-0146	SF	6" Thick, R-19, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation	2.55	0.50
13 34 19 00-0147	SF	2" Thick, R-6.5, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation	1.42	0.38
13 34 19 00-0148	SF	3" Thick, R-10, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation	1.51	0.38
13 34 19 00-0149	SF	4" Thick, R-13, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation	1.69	0.50
13 34 19 00-0150	SF	6" Thick, R-19, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation	2.09	0.50
13 34 19 00-0151	SF	2" Thick, R-6.5, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation	1.43	0.38
13 34 19 00-0152	SF	3" Thick, R-10, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation	1.53	0.38
13 34 19 00-0153	SF	4" Thick, R-13, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation	1.72	0.50
13 34 19 00-0154	SF	6" Thick, R-19, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation	2.14	0.50
13 34 19 00-0155	SF	2" Thick, R-6.5, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation	1.88	0.38
13 34 19 00-0156	SF	3" Thick, R-10, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation	2.01	0.38
13 34 19 00-0157	SF	4" Thick, R-13, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation	2.20	0.50
13 34 19 00-0158	SF	6" Thick, R-19, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation	2.62	0.50

13 34 19 00-0159 Eave And Overhang Options For Metal Buildings (13 34 19 00-0109)

13 34 19 00-0160	LF	2' End Wall Roof Overhang And 26 Gauge Soffit	45.89	9.11
13 34 19 00-0161	LF	4' End Wall Roof Overhang And 26 Gauge Soffit	69.49	6.53
13 34 19 00-0162	SF	Up To 20 SF, Prefinished Aluminum, Wall Hung Canopy	94.29	14.59
		Note: Up to 7' projection from wall. Includes finished underside and edges.		
		For End Braced (Up To 16' Wall Projection), Add	22.11	
		For Overhead Braced (Up To 10' Wall Projection), Add	12.68	
13 34 19 00-0163	SF	>20 To 50 SF, Prefinished Aluminum, Wall Hung Canopy	78.77	12.25
		Note: Up to 7' projection from wall. Includes finished underside and edges.		
		For End Braced (Up To 16' Wall Projection), Add	18.47	
		For Overhead Braced (Up To 10' Wall Projection), Add	10.59	
13 34 19 00-0164	SF	>50 SF, Prefinished Aluminum, Wall Hung Canopy	59.64	10.50
		Note: Up to 7' projection from wall. Includes finished underside and edges.		
		For End Braced (Up To 16' Wall Projection), Add	13.86	
		For Overhead Braced (Up To 10' Wall Projection), Add	7.90	
13 34 19 00-0165	SF	Up To 50 SF, Prefinished Aluminum, Free Standing Canopy	114.74	22.17
		Note: Includes finished underside and edges.		
13 34 19 00-0166	SF	>50 SF, Prefinished Aluminum, Free Standing Canopy	77.22	13.42
		Note: Includes finished underside and edges.		
13 34 19 00-0167	LF	1' Standard Eave Overhang Without Soffit	50.27	
13 34 19 00-0168	LF	2' Standard Eave Overhang Without Soffit	62.99	
13 34 19 00-0169	LF	3' Standard Eave Overhang Without Soffit	75.86	
13 34 19 00-0170	LF	4' Standard Eave Overhang Without Soffit	88.56	
13 34 19 00-0171	LF	6' Standard Eave Overhang Without Soffit	114.10	
13 34 19 00-0172	LF	1' Standard Eave Overhang And 26 Gauge Soffit	67.47	
		For 24 Gauge, Add	7.88	
13 34 19 00-0173	LF	2' Standard Eave Overhang And 26 Gauge Soffit	84.48	
		For 24 Gauge, Add	9.94	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0174	LF	3' Standard Eave Overhang And 26 Gauge Soffit	101.56	
		<i>For 24 Gauge, Add</i>	11.91	
13 34 19 00-0175	LF	4' Standard Eave Overhang And 26 Gauge Soffit	118.63	
		<i>For 24 Gauge, Add</i>	13.88	
13 34 19 00-0176	LF	6' Standard Eave Overhang And 26 Gauge Soffit	151.87	
		<i>For 24 Gauge, Add</i>	17.88	
13 34 19 00-0177		Louvers And Vents For Metal Buildings (13 34 19 00-0109)		
13 34 19 00-0178	EA	4' x 3' Fixed Louver.....	713.51	182.06
13 34 19 00-0179	EA	12" Rotary Vent With Damper.....	432.08	116.71
13 34 19 00-0180	EA	20" Rotary Vent With Damper.....	770.37	155.80
13 34 19 00-0181	EA	24" Rotary Vent With Damper.....	1,026.12	175.06
13 34 19 00-0182	EA	Gravity Ridge Ventilator With Bird Screen, 9" Throat x 10'	1,170.44	233.42
13 34 19 00-0183	EA	Gravity Ridge Ventilator With Bird Screen, 12" Throat x 10'	1,250.52	233.42
13 34 19 00-0184	EA	Ridge Ventilator - 9" Throat X 10 Ft, Manually Operated Damper With Bird Screen	1,460.14	233.42
13 34 19 00-0185	EA	Ridge Ventilator - 12" Throat X 10 Ft, Manually Operated Damper With Bird Screen	1,598.10	233.42
13 34 19 00-0186	EA	Ridge Ventilator - 15" Throat X 10 Ft, Manually Operated Damper With Bird Screen	1,749.86	233.42
13 34 19 00-0187	EA	Ridge Ventilator - 18" Throat X 10 Ft, Manually Operated Damper With Bird Screen	1,901.61	233.42
13 34 19 00-0188	EA	Ridge Ventilator - 9" Throat X 10 Ft, Motor Operated Damper With Bird Screen	2,501.19	291.77
13 34 19 00-0189	EA	Ridge Ventilator - 12" Throat X 10 Ft, Motor Operated Damper With Bird Screen	2,749.52	291.77
13 34 19 00-0190		Gutters And Downspouts For Metal Buildings (13 34 19 00-0109)		
13 34 19 00-0191	LF	Pre-Engineered Standard Type Gutter, Painted	12.18	2.92
		<i>For Galvanized Instead Of Painted, Deduct</i>	-1.59	
13 34 19 00-0192	LF	Pre-Engineered Standard Type Downspout, Painted	10.70	4.08
		<i>For Galvanized Instead Of Painted, Deduct</i>	-0.63	
13 34 23		Fabricated Structures (13 34)		
13 34 23 13		Portable and Mobile Buildings (13 34 23)		
13 34 23 13-0001		Prefabricated Signal, Communication Or Electrical Building (13 34 23 13)		
		Note: Complete, includes door, roof, lights and wiring, insulation, painted.		
13 34 23 13-0002	SF	15 SF To 29 SF Prefabricated Signal, Communication Or Electrical Building	552.99	
13 34 23 13-0003	SF	30 SF To 49 SF Prefabricated Signal, Communication Or Electrical Building	474.32	
13 34 23 13-0004	SF	50 SF To 79 SF Prefabricated Signal, Communication Or Electrical Building	379.64	
13 34 23 13-0005	SF	80 SF To 99 SF Prefabricated Signal, Communication Or Electrical Building	300.41	
13 34 23 13-0006	SF	100 SF To 144 SF Prefabricated Signal, Communication Or Electrical Building	268.48	
13 34 23 13-0007		Temporary Trailers 1 To 6 Years Life (13 34 23 13)		
		Note: Includes cost to set-up, underpin, tie-downs, HVAC unit, lights, outlets, phone jacks, two wooden landings, stairs, and handrails. Trailers shall have a 12' x 12' office area and 6' x 8' bathroom with sink, mirror, and water closet. Minimum of two pedestrian doors and a tinted/insulated 3' x 4' single hung window per 20 SF of wall area. Excludes connection of utilities.		
13 34 23 13-0008	SF	Single Trailer Up To 14' x 73'.....	69.82	
		<i>For Each Delivery And Set-Up (Block And Level), Add</i>	1,405.68	
		<i>For Each Knock-Down And Pick-Up, Add</i>	1,125.68	
		<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	110.00	
13 34 23 13-0009	SF	Modular Trailers, Connected	97.75	
		<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	110.00	
		<i>For Each Delivery And Set-Up (Block And Level), Add</i>	3,067.57	
		<i>For Each Knock-Down And Pick-Up, Add</i>	2,417.57	
13 34 23 13-0010	EA	Add Per Additional Exterior Door With Frame And Hardware.....	1,047.29	
13 34 23 13-0011		Portable and Mobile Trailer Accessories (13 34 23 13)		
13 34 23 13-0012		Skirting (13 34 23 13-0011)		
		Note: Includes 2" x 4" wood framing 16" on center.		
13 34 23 13-0013		Vinyl Covered, Exterior Only (13 34 23 13-0012)		
13 34 23 13-0014	SF	1'-8" High Vinyl Covered Skirt.....	5.74	2.20
13 34 23 13-0015	SF	3' High Vinyl Covered Skirt.....	8.45	3.62
13 34 23 13-0016		Fiberglass, Exterior Only (13 34 23 13-0012)		
13 34 23 13-0017	SF	1'-8" High Fiberglass Skirt.....	10.58	4.14
13 34 23 13-0018	SF	3' High Fiberglass Skirt.....	12.30	5.04
13 34 23 13-0019		Plywood, Exterior Only (13 34 23 13-0012)		
13 34 23 13-0020	SF	1'-8" High 5/8" Plywood Skirt	9.94	4.39
13 34 23 13-0021	SF	3' High 5/8" Plywood Skirt.....	11.77	5.30
13 34 23 13-0022		Steel, Painted, Exterior Only (13 34 23 13-0012)		
13 34 23 13-0023	SF	1'-8" High 26 Gauge Steel Skirt	11.32	4.14
13 34 23 13-0024	SF	3' High 26 Gauge Steel Skirt.....	13.15	5.04
13 34 23 13-0025		14" x 14" Access Hatch (13 34 23 13-0011)		
		Note: Simple design.		
13 34 23 13-0026	EA	14" x 14" Vinyl Covered Access Hatch	284.53	97.03

13 Special Construction
13 30 Special Structures
13 34 Fabricated Engineered Structures

MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

13 34 23 13-0027	EA	14" x 14" Fiberglass Access Hatch	249.36	97.03
13 34 23 13-0028	EA	14" x 14" Plywood Access Hatch	282.55	97.03
13 34 23 13-0029	EA	14" x 14" 26 Gauge Steel Access Hatch	284.17	97.03

13 34 23 13-0030 Pole Anchor (13 34 23 13-0011)

Note: Joslyn.

13 34 23 13-0031	EA	Pole Anchor, 4" Helix, 3/4" x 54" Shaft	69.57	28.71
13 34 23 13-0032	EA	Pole Anchor, 6" Helix, 3/4" x 66" Shaft	79.23	28.71
13 34 23 13-0033	EA	Pole Anchor, 8" Helix, 1" x 66" Shaft	106.47	32.30
13 34 23 13-0034	EA	Pole Anchor, 10" Helix, 1-1/4" x 66" Shaft	150.85	35.90
13 34 23 13-0035	EA	Pole Anchor, 10" Helix, 1-1/4" x 8' Shaft	172.49	39.48
13 34 23 13-0036	EA	Pole Anchor, 16" Helix, 1-1/4" x 8' Shaft	278.02	53.84

13 34 23 13-0037 Aluminum Modular Access Ramp (13 34 23 13-0011)

Note: Includes picketed guardrails, inside grab rails, legs and hardware.

13 34 23 13-0038	EA	72" Long x 52-1/4" Wide Ramp Section, Aluminum Modular Access Ramp	3,810.86	32.31
13 34 23 13-0039	EA	60-1/4" Long x 61-3/4" Wide Door Landing Section, Aluminum Modular Access Ramp	3,849.63	42.00
13 34 23 13-0040	EA	60-1/4" Long x 123-1/2" Wide Switchback Landing Section, Aluminum Modular Access Ramp	7,925.15	64.62
13 34 23 13-0041	EA	110-3/4" Long x 72" Wide Switchback Landing Section, Aluminum Modular Access Ramp	8,539.71	64.62
13 34 23 13-0042	EA	60-1/4" Long x 61-3/4" Wide Intermediate Landing Section, Aluminum Modular Access Ramp	4,003.27	42.00
13 34 23 13-0043	EA	71-3/4" Long x 52-1/4" Wide Intermediate Landing Section, Aluminum Modular Access Ramp	3,964.50	32.31
13 34 23 13-0044	EA	84-1/2" Long x 61-3/4" Wide Intermediate Landing Section, Aluminum Modular Access Ramp	5,535.84	42.00
13 34 23 13-0045	EA	30" High x 82" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp	3,928.37	42.00
13 34 23 13-0046	EA	35" High x 96" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp	3,928.37	42.00
13 34 23 13-0047	EA	42" High x 110" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp	4,471.87	42.00
13 34 23 13-0048	EA	49" High x 124" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp	5,011.54	42.00

13 34 23 13-0049 Relocate Portable And Mobile Trailer (13 34 23 13)

Note: Excludes anchors, skirting, steps, ramps, utility hook-ups and foundation. See CSI section 01 22 16 00-0002 for reimbursable permit fees, 13 34 23 13-0012 for skirting, 13 34 23 13-0030 for anchors.

13 34 23 13-0050	EA	Prepare, Up To 12' Wide, Single Trailer For Transportation	905.23	
Note: Includes securing interior, mounting tires, and mounting trailer hitch				
13 34 23 13-0051	EA	Separate, 24' Wide Double Trailer And Prepare For Transportation	4,458.16	
Note: Includes separating trailers, securing interior, installing plastic and boards to open side of each (2) trailers, mounting tires, and mounting trailer hitch.				
13 34 23 13-0052	EA	Remove Blocking From 8' Wide x Up To 35' Long Trailer	398.30	
Note: Per trailer				
13 34 23 13-0053	EA	Remove Blocking From 10' Wide x 40' To 50' Long Trailer	506.93	
Note: Per trailer				
13 34 23 13-0054	EA	Remove Blocking From 12' Wide x 45' To 60' Long Trailer	615.56	
Note: Per trailer				
13 34 23 13-0055	EA	Remove Blocking From 24' Wide x 45' To 60' Long Trailer	1,231.12	
Note: Per trailer				
13 34 23 13-0056	MI	Transportation And Delivery Of Trailer	18.82	
13 34 23 13-0057	EA	Re-connect 24' Wide Double Trailer	9,328.89	
Note: Includes removal of temporary plastic and boards, caulking, installation of flooring, ceiling and roofing seams. Excludes blocking and leveling. See CSI section 13 34 23 13-0060 for blocking and leveling of each section.				
13 34 23 13-0058	EA	Set-Up (Block And Level) Trailer, 8' Wide x Up To 35' Long	497.88	
Note: Per trailer				
13 34 23 13-0059	EA	Set-Up (Block And Level) Trailer, 10' Wide x 40' To 50' Long	633.66	
Note: Per trailer				
13 34 23 13-0060	EA	Set-Up (Block And Level) Trailer, 12' Wide x 45' To 60' Long	769.44	
Note: Per trailer				
13 34 23 13-0061	EA	Set-Up (Block And Level) Trailer, 24' Wide x 45' To 60' Long	1,538.90	
Note: Per trailer				
13 34 23 13-0062	EA	Connection Straps To Anchor	22.64	
Note: Includes straps per each anchor See CSI section 13 34 23 13-0030 for anchors.				

13 34 23 14 Fabricated Classroom Buildings (13 34 23)

13 34 23 14-0001 Semi-Permanent Modular Transportable Buildings (13 34 23 14)

13 34 23 14-0002	SF	Portable Classrooms, Complete With Doors, Windows, Fixtures, Toilets And Workroom	104.03	
For Each Anchoring Into Asphalt Or Concrete, Add			110.00	
For Each Delivery And Set-Up (Block And Level), Add			3,067.57	
For Each Knock-Down And Pick-Up, Add			2,417.57	
13 34 23 14-0003	SF	Modular Classroom, Connected, Complete With Doors, Windows, Fixtures, Toilets And Teachers Work Room	107.11	
For Each Anchoring Into Asphalt Or Concrete, Add			110.00	
For Each Delivery And Set-Up (Block And Level), Add			3,067.57	
For Each Knock-Down And Pick-Up, Add			2,417.57	

13 34 23 16 Fabricated Control Booths (13 34 23)

13 34 23 16-0001 Fabricated Parking Attendant Booths (13 34 23 16)

Note: Excludes foundations and slab.

13 34 23 16-0002	EA	Parking Booth For Attendant	1,960.34	
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13 34 23 31 Fabricated Pavilion Style Buildings (13 34 23)

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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13 34 23 31-0001	Pavilion Style Metal Shelter Structures (13 34 23 31)		
Note: Prefabricated open structure system, complete with all necessary hardware. Hip roof, steel structural rafters and columns, urethane/polyester (TGIC) powder finish, aluminum roof decking, 8' height at perimeter. Excludes foundations and slab. Americana or equal.			
13 34 23 31-0002 EA	12' x 12' Pavilion Style Metal Shelter Structure.....	12,460.48	3,113.80
13 34 23 31-0003 EA	16' x 16' Pavilion Style Metal Shelter Structure.....	14,708.38	3,425.18
13 34 23 31-0004 EA	16' x 32' Pavilion Style Metal Shelter Structure.....	18,514.70	3,736.56
13 34 23 31-0005 EA	20' x 20' Pavilion Style Metal Shelter Structure.....	17,449.10	3,619.85
13 34 23 31-0006 EA	20' x 30' Pavilion Style Metal Shelter Structure.....	21,197.06	3,892.25
13 34 23 31-0007 EA	20' x 40' Pavilion Style Metal Shelter Structure.....	25,050.94	4,086.92
13 34 23 31-0008 EA	24' x 24' Pavilion Style Metal Shelter Structure.....	20,963.65	3,736.56
13 34 23 31-0009 EA	24' x 48' Pavilion Style Metal Shelter Structure.....	28,798.91	4,359.32
13 34 23 31-0010 EA	30' x 30' Pavilion Style Metal Shelter Structure.....	27,997.75	4,515.01
13 34 23 31-0011 EA	30' x 60' Pavilion Style Metal Shelter Structure.....	53,136.60	5,057.59
13 34 23 31-0012 EA	40' x 40' Pavilion Style Metal Shelter Structure.....	48,738.73	5,604.83
13 34 23 31-0013 EA	40' x 60' Pavilion Style Metal Shelter Structure.....	70,070.73	6,227.59

13 40 Integrated Construction (13)

13 46 Lightning Protection Systems (13 40)

13 46 13 Lightning Protection for Structures (13 46)

13 46 13 00-0001	Lightning Protection (13 46 13)		
See CSI section 26 05 26 00-0001 for conductors.			
13 46 13 00-0002	Air Terminals For Lightning Protection (13 46 13 00-0001)		
13 46 13 00-0003	Copper Lightning Protection Air Terminals (13 46 13 00-0002)		
13 46 13 00-0004 EA	3/8" x 10" Copper Lightning Protection Air Terminal.....	69.03	11.74
13 46 13 00-0005 EA	1/2" x 12" Copper Lightning Protection Air Terminal.....	85.78	11.74
13 46 13 00-0006 EA	5/8" x 12" Copper Lightning Protection Air Terminal.....	111.75	11.74
13 46 13 00-0007 EA	1/2" x 24" Copper Lightning Protection Air Terminal.....	124.25	11.74
13 46 13 00-0008 EA	1/2" x 60" Copper Lightning Protection Air Terminal.....	241.32	23.47

13 46 13 00-0009	Aluminum Lightning Protection Air Terminals (13 46 13 00-0002)		
13 46 13 00-0010 EA	3/8" x 10" Aluminum Lightning Protection Air Terminal.....	84.53	11.74
13 46 13 00-0011 EA	1/2" x 12" Aluminum Lightning Protection Air Terminal.....	107.58	11.74
13 46 13 00-0012 EA	5/8" x 12" Aluminum Lightning Protection Air Terminal.....	137.76	11.74
13 46 13 00-0013 EA	1/2" x 24" Aluminum Lightning Protection Air Terminal.....	152.96	11.74
13 46 13 00-0014 EA	1/2" x 60" Aluminum Lightning Protection Air Terminal.....	300.38	23.47

13 46 13 00-0015	Terminal Bases For Lightning Protection (13 46 13 00-0001)		
13 46 13 00-0016	Copper Lightning Protection Terminal Bases (13 46 13 00-0015)		
13 46 13 00-0017 EA	Adhesive Base For Copper Lightning Protection Terminal.....	92.87	35.21
13 46 13 00-0018 EA	Bolted Base For Copper Lightning Protection Terminal.....	122.37	46.95
13 46 13 00-0019 EA	Hinged Base For Copper Lightning Protection Terminal.....	165.28	58.68
13 46 13 00-0020 EA	Side Mounted Base For Copper Lightning Protection Terminal.....	122.37	46.95
13 46 13 00-0021 EA	Offset Point Support For Copper Lightning Protection Terminal.....	130.69	46.95
13 46 13 00-0022 EA	Concealed Base Assembly For Copper Lightning Protection Terminal.....	231.70	93.89
13 46 13 00-0023 EA	36" Tripod Base For 60" Copper Lightning Protection Terminal.....	163.10	58.68
13 46 13 00-0024 EA	Intermediate Base For Copper Lightning Protection Terminal.....	92.87	35.21

13 46 13 00-0025	Aluminum Lightning Protection Terminal Bases (13 46 13 00-0015)		
13 46 13 00-0026 EA	Adhesive Base For Aluminum Lightning Protection Terminal.....	98.30	35.21
13 46 13 00-0027 EA	Bolted Base For Aluminum Lightning Protection Terminal.....	129.78	46.95
13 46 13 00-0028 EA	Hinged Base For Aluminum Lightning Protection Terminal.....	177.42	58.68
13 46 13 00-0029 EA	Side Mounted Base For Aluminum Lightning Protection Terminal.....	130.31	46.95
13 46 13 00-0030 EA	Offset Point Support For Aluminum Lightning Protection Terminal.....	137.70	46.95
13 46 13 00-0031 EA	Concealed Base Assembly For Aluminum Lightning Protection Terminal.....	247.91	93.89
13 46 13 00-0032 EA	36" Tripod Base For 60" Aluminum Lightning Protection Terminal.....	173.82	58.68
13 46 13 00-0033 EA	Intermediate Base For Aluminum Lightning Protection Terminal.....	98.30	35.21

13 46 13 00-0034	Connectors (13 46 13 00-0001)		
13 46 13 00-0035	Copper Cable Connectors (13 46 13 00-0034)		
13 46 13 00-0036 EA	Thru Wall Cable Connector For Copper Lightning Protection System.....	187.29	58.68
13 46 13 00-0037 EA	Thru Roof Adapter Assembly For Copper Lightning Protection System.....	254.17	93.89
13 46 13 00-0038 EA	Beam Connector For Copper Lightning Protection System.....	166.79	58.68
13 46 13 00-0039 EA	Double Bolt Cable Connector For Copper Lightning Protection System.....	40.16	11.74
13 46 13 00-0040 EA	Cable To Bar Connector For Copper Lightning Protection System.....	41.31	11.74
13 46 13 00-0041 EA	Tee Connector For Copper Lightning Protection Terminal.....	125.37	35.21

13 46 13 00-0042	Aluminum Cable Connectors (13 46 13 00-0034)		
13 46 13 00-0043 EA	Thru Wall Cable Connector For Aluminum Lightning Protection System.....	200.12	58.68
13 46 13 00-0044 EA	Thru Roof Adapter Assembly For Aluminum Lightning Protection System.....	278.26	93.89
13 46 13 00-0045 EA	Beam Connector For Aluminum Lightning Protection System.....	184.28	58.68
13 46 13 00-0046 EA	Double Bolt Cable Connector For Aluminum Lightning Protection System.....	45.25	11.74

13	13 Special Construction
	13 40 Integrated Construction
	13 46 Lightning Protection Systems

MINOR		EA	DESCRIPTION	TOTAL DIRECT		DEMOLITION
CSI	UOM			UNIT COST		UNIT COST
13 46 13 00-0047		EA	Tee Connector For Aluminum Lightning Protection Terminal	133.55		35.21
13 46 13 00-0048			Bonding Plates (13 46 13 00-0001)			
13 46 13 00-0049			Copper Bonding Plates (13 46 13 00-0048)			
13 46 13 00-0050	EA		8" Square I Beam Bonding Plate For Copper Lightning Protection System	146.98		58.68
13 46 13 00-0051	EA		8" Square Purlin Bonding Plate For Copper Lightning Protection System	152.06		58.68
13 46 13 00-0052	EA		16" Square Bonding Plate For Copper Lightning Protection System	223.57		93.89
13 46 13 00-0053			Aluminum Bonding Plates (13 46 13 00-0048)			
13 46 13 00-0054	EA		8" Square I Beam Bonding Plate For Aluminum Lightning Protection System	149.97		58.68
13 46 13 00-0055	EA		8" Square Purlin Bonding Plate For Aluminum Lightning Protection System	158.41		58.68
13 46 13 00-0056	EA		16" Square Bonding Plate For Aluminum Lightning Protection System	226.26		93.89
13 46 13 00-0057			Cable Supports (13 46 13 00-0001)			
13 46 13 00-0058			Copper Cable Supports (13 46 13 00-0057)			
13 46 13 00-0059	EA		Loop Fastener, Copper Cable Supports For Lightning Protection System	27.06		11.74
13 46 13 00-0060	EA		Adhesive Cable Holder, Copper Cable Support For Lightning Protection System	27.66		11.74
13 46 13 00-0061			Aluminum Cable Supports (13 46 13 00-0057)			
13 46 13 00-0062	EA		Loop Fastener, Aluminum Cable Supports For Lightning Protection System	26.59		11.74
13 46 13 00-0063	EA		Adhesive Cable Holder, Aluminum Cable Support For Lightning Protection System	26.40		11.74
13 46 13 00-0064			Bonding Straps (13 46 13 00-0001)			
13 46 13 00-0065			Copper Bonding Straps (13 46 13 00-0064)			
13 46 13 00-0066	EA		3/4" x 9-1/2" Flex Braided Strap For Copper Lightning Protection System	77.59		35.21
13 46 13 00-0067			Aluminum Bonding Straps (13 46 13 00-0064)			
13 46 13 00-0068	EA		3/4" x 9-1/2" Flex Braided Strap For Aluminum Lightning Protection System	80.35		35.21
13 46 13 00-0069			Accessories For Lightning Protection (13 46 13 00-0001)			
			See CSI section 26 05 26 00-0001 for conductors straps and conduit jumpers.			
13 46 13 00-0070			Copper Adapters (13 46 13 00-0069)			
13 46 13 00-0071	EA		Swivel Adapters For Copper Lightning Protection System	30.58		5.87
13 46 13 00-0072			Aluminum Adapters (13 46 13 00-0069)			
13 46 13 00-0073	EA		Swivel Adapters For Aluminum Lightning Protection System	41.13		5.87
13 46 13 00-0074	EA		Floor Ground Receptacle For Aluminum Lightning Protection System	189.41		58.68
13 47 Facility Protection (13 40)						
13 47 13 Cathodic Protection (13 47)						
13 47 13 13 Cathodic Protection for Underground and Submerged Piping (13 47 13)						
13 47 13 13-0001			Anodes (13 47 13 13)			
13 47 13 13-0002			Magnesium Type, Conventional (13 47 13 13-0001)			
13 47 13 13-0003	EA		9 Lb. Magnesium Type Anodes	385.05		166.90
13 47 13 13-0004	EA		17 Lb. Magnesium Type Anodes	572.17		241.24
13 47 13 13-0005	EA		32 Lb. Magnesium Type Anode	783.78		310.35
13 47 13 13-0006	EA		48 Lb. Magnesium Type Anode	1,117.02		434.21
13 47 13 13-0007			Graphite Type (13 47 13 13-0001)			
			Note: Includes epoxy cap.			
13 47 13 13-0008	EA		3" x 60", 32 Lb., Graphite Type Anodes With Epoxy Cap	585.46		238.05
13 47 13 13-0009	EA		4" x 80", 68 Lb., Graphite Type Anodes With Epoxy Cap	917.37		332.41
13 47 13 13-0010	EA		6" x 36", 45 Lb., Graphite Type Anodes With Epoxy Cap	696.10		208.03
13 47 13 13-0011	EA		6" x 72", 80 Lb., Graphite Type Anodes With Epoxy Cap	1,072.41		277.73
13 47 13 13-0012			Rectifiers (13 47 13 13)			
13 47 13 13-0013			Air-Cooled, Silicon Type (13 47 13 13-0012)			
13 47 13 13-0014	EA		Air-Cooled Rectifiers, 28 Volt, 10 Amperes, Silicon Type	2,095.91		338.03
13 47 13 13-0015	EA		Air-Cooled Rectifiers, 20 Volt / 20 Amperes, Silicon Type	2,273.05		338.03
13 47 13 13-0016			Oil Immersed, Silicon Type (13 47 13 13-0012)			
13 47 13 13-0017	EA		Oil Immersed Rectifiers, 28 Volt, 10 Amperes, Silicon Type	3,184.46		390.85
13 47 13 13-0018	EA		Oil Immersed Rectifiers, 20 Volt / 20 Amperes, Silicon Type	3,374.25		390.85

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 47 13 13-0019		Anode Backfill (13 47 13 13)		
13 47 13 13-0020	LB	Anode Backfill, Coke Breeze	1.14	0.43
13 47 13 13-0021		Cathodic Protection Cable (13 47 13 13)		
13 47 13 13-0022	MLF	Cathodic Protection Cable, OR2 - No 8	2,236.54	832.11
13 47 13 13-0023	MLF	Cathodic Protection Cable, OR2 - No 6	2,490.27	832.11
13 47 13 13-0024	MLF	Cathodic Protection Cable, OR2 - No 4	2,870.87	832.11
13 47 13 13-0025	MLF	Cathodic Protection Cable, OR2 - No 2	3,505.19	832.11
13 47 13 13-0026	MLF	Cathodic Protection Cable, OR2 - No 1	4,367.68	916.82
13 47 13 13-0027	MLF	Cathodic Protection Cable, OR2-No 1/0	4,843.42	916.82
13 47 13 13-0028	MLF	Cathodic Protection Cable, OR2-No 2/0	5,636.33	916.82
13 47 13 13-0029	MLF	Cathodic Protection Cable, OR2-No 4/0	7,703.71	999.39
13 47 13 13-0030		Cathodic Test Stations (13 47 13 13)		
13 47 13 13-0031		Flush Curb Box Type With Lockable Cover And Terminal Box (13 47 13 13-0030)		
13 47 13 13-0032	EA	Cathodic Test Station, Flush Curb Type With Lockable Cover	304.26	97.42
13 47 13 16		Cathodic Protection for Underground Storage Tanks (13 47 13)		
		See CSI section 13 47 13 13-0000 for Cathodic protection for tanks.		
13 48		Sound, Vibration, and Seismic Control (13 40)		
13 48 53		Manufactured Seismic Control Components (13 48)		
13 48 53 00-0001		Seismic Bracing Assembly (13 48 53)		
13 48 53 00-0002	EA	4-Bolt Deck Anchor Connection For Seismic Brace..... Note: Includes drilling into concrete, bolts, anchor plate, seismic bracket attached with bolt, nut and washer.	185.18	
13 48 53 00-0003	EA	2 Cable Seismic Brace With Center Threaded Rod Stiffener	181.20	
		Note: Includes seismic bracket, bolts, and cable for attachment to ceiling anchor. Excludes deck anchors.		
13 48 53 00-0004	EA	3 Cable Seismic Brace With Center Threaded Rod Stiffener	270.23	
		Note: Includes seismic bracket, bolts, and cable for attachment to ceiling anchor. Excludes deck anchors.		
13 48 53 00-0005	EA	4 Cable Seismic Brace With Center Threaded Rod Stiffener	349.57	
		Note: Includes seismic bracket, bolts, and cable for attachment to ceiling anchor. Excludes deck anchors.		
13 48 53 00-0006	EA	2 Channel Seismic Brace With Center Threaded Rod Stiffener	378.33	
		Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.		
13 48 53 00-0007	EA	3 Channel Seismic Brace With Center Threaded Rod Stiffener	561.09	
		Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.		
13 48 53 00-0008	EA	4 Channel Seismic Brace With Center Threaded Rod Stiffener	743.85	
		Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.		
13 48 53 00-0009	EA	2 Rod Seismic Brace With Center Threaded Rod Stiffener	226.34	
		Note: Includes seismic bracket, bolts, and rod for attachment to ceiling anchor. Excludes deck anchors.		
13 48 53 00-0010	EA	3 Rod Seismic Brace With Center Threaded Rod Stiffener	333.10	
		Note: Includes seismic bracket, bolts, and rod for attachment to ceiling anchor. Excludes deck anchors.		
13 48 53 00-0011	EA	4 Rod Seismic Brace With Center Threaded Rod Stiffener	439.87	
		Note: Includes seismic bracket, bolts, and rod for attachment to ceiling anchor. Excludes deck anchors.		
13 48 53 00-0012		Seismic Brace Components (13 48 53)		
13 48 53 00-0013	EA	1/8" Cable Diameter Seismic Cable Brace Swivel Anchor (Mason SCB-1)	34.88	
		Note: To be used with 7x19 stranded cable.		
13 48 53 00-0014	EA	3/16" Cable Diameter Seismic Cable Brace Swivel Anchor (Mason SCB-2)	48.49	
		Note: To be used with 7x19 stranded cable.		
13 48 53 00-0015	EA	1/4" Cable Diameter Seismic Cable Brace Swivel Anchor (Mason SCB-3)	64.84	
		Note: To be used with 7x19 stranded cable.		
13 48 53 00-0016	EA	3/8" Cable Diameter Seismic Cable Brace Swivel Anchor (Mason SCB-4)	89.33	
		Note: To be used with 7x19 stranded cable.		
13 48 53 00-0017	EA	Seismic Solid Brace Swivel Anchor (Mason SSB-1)	32.65	
		Note: To be used with angle or channel.		
13 48 53 00-0018	EA	Seismic Solid Brace Swivel Anchor (Mason SSB-2)	44.64	
		Note: To be used with angle or channel.		
13 48 53 00-0019	EA	Seismic Solid Brace Swivel Anchor (Mason SSB-3)	59.19	
		Note: To be used with angle or channel.		
13 48 53 00-0020	EA	Seismic Solid Brace Swivel Anchor (Mason SSB-4)	80.60	
		Note: To be used with angle or channel.		
13 48 53 00-0021	EA	1/8" Cable Diameter Seismic Cable Brace Hook Anchor (Mason SCBH-1)	39.93	
		Note: To be used with 7x19 stranded cable.		
13 48 53 00-0022	EA	3/16" Cable Diameter Seismic Cable Brace Hook Anchor (Mason SCBH-2)	53.20	
		Note: To be used with 7x19 stranded cable.		
13 48 53 00-0023	EA	1/4" Cable Diameter Seismic Cable Brace Hook Anchor (Mason SCBH-3)	74.60	
		Note: To be used with 7x19 stranded cable.		
13 48 53 00-0024	EA	1/8" Cable Diameter Seismic Cable Brace Vise Anchor (Mason SCBV-1)	71.18	
		Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.		
13 48 53 00-0025	EA	3/16" Cable Diameter Seismic Cable Brace Vise Anchor (Mason SCBV-2)	100.71	
		Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.		
13 48 53 00-0026	EA	1/4" Cable Diameter Seismic Cable Brace Vise Anchor (Mason SCBV-3)	137.96	
		Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.		
13 48 53 00-0027	EA	Seismic Rod Clamp (Mason SRC-1)	29.87	
		Note: To be used on 3/8" through 5/8" rod. 1" x 1" x 1/4" Angle or Stiffener not included.		
13 48 53 00-0028	EA	Seismic Rod Clamp (Mason SRC-1 1/2)	36.72	
		Note: To be used on 3/8" through 1" rod. 1-1/2" x 1-1/2" x 1/4" Angle or Stiffener not included.		
13 48 53 00-0029	EA	Seismic Rod Clamp (Mason SRC-2)	46.13	
		Note: To be used on 3/8" through 1-1/4" rod. 2" x 2" x 1/4" Angle or Stiffener not included.		

13 Special Construction**13 40 Integrated Construction****13 48 Sound, Vibration, and Seismic Control**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

13 48 63 Fabricated Seismic Control Assemblies (13 48)**13 48 63 00-0001 Seismic Restraints (13 48 63)**

13 48 63 00-0002	EA	1" x 1" Seismic Fastener, Gray, Drilled With 0.187 Diameter Hole	5.71	1.29
		Note: Adhesive applied.		
		For >500, Deduct	-0.90	
13 48 63 00-0003	EA	1" x 1" Seismic Fastener, Gray, Adhesive Applied	4.44	0.64
		For >500, Deduct	-0.90	
13 48 63 00-0004	EA	1" x 2" Seismic Fastener, Gray, Drilled With (2) 0.187 Diameter Hole	7.47	1.61
		Note: Adhesive applied.		
		For >500, Deduct	-1.22	
13 48 63 00-0005	EA	1" x 2" Seismic Fastener, Gray, Adhesive Applied	5.66	0.80
		For >500, Deduct	-1.16	
13 48 63 00-0006	EA	2" x 2" Seismic Fastener, Gray, Adhesive Applied	7.15	0.94
		For >500, Deduct	-1.49	
13 48 63 00-0007	EA	2" x 3" Seismic Fastener, Gray, Adhesive Applied	12.02	1.13
		For >250, Deduct	-2.80	
13 48 63 00-0008	LF	3/4" Wide Seismic Strap, Gray	5.11	0.97
		For >1,000, Deduct	-0.91	
13 48 63 00-0009	LF	1" Wide Seismic Strap, Gray	7.51	0.97
		For >1,000, Deduct	-1.60	
13 48 63 00-0010	EA	3/4" Wide x 4" Long Seismic Strap, Gray	2.47	0.64
		For >250, Deduct	-0.34	
13 48 63 00-0011	EA	3/4" Wide x 12" Long Seismic Strap, Gray	11.12	1.92
		For >250, Deduct	-2.08	
13 48 63 00-0012	LF	Seismic Chord, Black	3.07	0.97
		For >2,500, Deduct	-0.33	
13 48 63 00-0013	LF	SAFELOK Seismic Fastener, Black	4.07	0.97
		For >500, Deduct	-0.61	

13 49 Radiation Protection (13 40)**13 49 13 Integrated X-Ray Shielding Assemblies (13 49)****13 49 13 00-0001 Lead Shielding (13 49 13)**

See CSI section 09 29 10 00-0036 for finishing tasks.

13 49 13 00-0002	SF	1/16" Sheet Lead Shielding	48.37	7.71
13 49 13 00-0003	SF	1/8" Sheet Lead Shielding	82.64	8.35
13 49 13 00-0004	SF	1/4" Sheet Lead Shielding	147.69	8.98
13 49 13 00-0005	SF	1/2" Sheet Lead Shielding	282.44	11.56

13 49 16 Modular X-Ray Shielding Rooms (13 49)**13 49 16 00-0001 X-Ray Barriers, Modular (13 49 16)**

Note: Panels mounted within framework for attaching to floor, wall or ceiling, upper portion is clear lead plastic window panels 48" high, lower portion is opaque leaded steel panels 36" high. Excludes structural supports.

13 49 16 00-0002 36" Wide x 84" High, 1-Section Barrier, Modular X-Ray Barriers (13 49 16 00-0001)

13 49 16 00-0003	EA	0.5mm LE Panels 1-Section Modular X-Ray Barrier, 36" Wide x 84" High	9,540.51	182.18
13 49 16 00-0004	EA	0.8mm LE Panels 1-Section Modular X-Ray Barrier, 36" Wide x 84" High	10,128.73	182.18
13 49 16 00-0005	EA	1.0mm LE Panels 1-Section Modular X-Ray Barrier, 36" Wide x 84" High	10,436.89	218.61
13 49 16 00-0006	EA	1.5mm LE Panels 1-Section Modular X-Ray Barrier, 36" Wide x 84" High	11,142.75	218.61

13 49 16 00-0007 72" Wide x 84" High, 2-Section Barrier, Modular X-Ray Barriers (13 49 16 00-0001)

13 49 16 00-0008	EA	0.5mm LE Panels 2-Section Modular X-Ray Barrier, 72"W x 84"H	20,464.65	291.49
13 49 16 00-0009	EA	0.8mm LE Panels 2-Section Modular X-Ray Barrier, 72"W x 84"H	21,288.16	291.49
13 49 16 00-0010	EA	1.0mm LE Panels 2-Section Modular X-Ray Barrier, 72"W x 84"H	21,949.31	327.93
13 49 16 00-0011	EA	1.5mm LE Panels 2-Section Modular X-Ray Barrier, 72"W x 84"H	23,669.13	364.35

13 49 16 00-0012 108" Wide x 84" High, 3-Section Barrier, Modular X-Ray Barriers (13 49 16 00-0001)

13 49 16 00-0013	EA	0.5mm LE Panels 3-Section Modular X-Ray Barrier, 108"W x 84"H	31,080.64	364.35
13 49 16 00-0014	EA	0.8mm LE Panels 3-Section Modular X-Ray Barrier, 108"W x 84"H	32,610.00	364.35
13 49 16 00-0015	EA	1.0mm LE Panels 3-Section Modular X-Ray Barrier, 108"W x 84"H	33,343.96	437.23
13 49 16 00-0016	EA	1.5mm LE Panels 3-Section Modular X-Ray Barrier, 108"W x 84"H	35,769.57	473.67

13 49 16 00-0017 X-Ray Barriers, Mobile (13 49 16)

Note: Mounted within framework with casters on bottom, clear lead plastic window panels on upper portion, opaque on lower.

13 49 16 00-0018 30" Wide x 75" High, Mobile X-Ray Barriers (13 49 16 00-0017)

Note: Includes Framework

13 49 16 00-0019	EA	24" H Upper With 0.5mm LE, 48" H Lower With 0.8mm LE Mobile X-Ray Barriers	6,534.56	32.09
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13 49 16 00-0020 48" Wide x 75" High, Mobile X-Ray Barriers (13 49 16 00-0017)

Note: Includes Framework

13 49 16 00-0021	EA	36"H Upper With 0.5mm LE, 36"H Lower With 0.8mm LE Mobile X-Ray Barriers	11,593.21	32.09
13 49 16 00-0022	EA	36"H Upper With 1.0mm LE, 36"H Lower With 0.8mm LE Mobile X-Ray Barriers	13,946.08	32.09

13 49 16 00-0023 72" Wide x 75" High, Mobile X-Ray Barriers (13 49 16 00-0017)

Note: Includes Framework

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 49 16 00-0024	EA	36"H Upper With 0.5mm LE, 36"H Lower With 0.8mm LE Mobile X-Ray Barriers.....		13,710.79	32.09
13 49 16 00-0025	EA	36"H Upper With 1.0mm LE, 36"H Lower With 0.8mm LE Mobile X-Ray Barriers.....		17,357.73	32.09
13 49 19 Lead-Lined Materials (13 49)					
13 49 19 16 Lead-Lined Drywall (13 49 19)					
13 49 19 16-0001 Lead Lined Drywall (13 49 19 16)					
See CSI section 09 29 10 00-0036 for finishing tasks.					
13 49 19 16-0002	SF	1/32" Lead Lined 5/8" Fire Rated Drywall		26.52	1.68
13 49 19 16-0003	SF	1/16" Lead Lined 5/8" Fire Rated Drywall		46.77	2.01
13 49 19 16-0004	SF	1/8" Lead Lined 5/8" Fire Rated Drywall		85.58	2.42

END OF SECTION 13

13	13	Special Construction
	13 40	Integrated Construction
	13 49	Radiation Protection



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST

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Conveying Equipment			14
Operation and Maintenance of Conveying Equipment			14 01
Operation and Maintenance of Elevators			14 01 20
MINOR	TOTAL DIRECT	DEMOLITION	
CSI UOM DESCRIPTION	UNIT COST	UNIT COST	

14 Conveying Equipment

14 01 Operation and Maintenance of Conveying Equipment ⁽¹⁴⁾

14 01 20 Operation and Maintenance of Elevators ^(14 01)

14 01 20 71 Elevator Rehabilitation ^(14 01 20)

14 01 20 71-0001 Elevator Maintenance ^(14 01 20 71)

14 01 20 71-0002	EA	Regular Routine Elevator Inspection, Traction Up to 10 floors (Sufficient for Issue of Certificate/Permit)	618.23	
14 01 20 71-0003	EA	Regular Routine Elevator Inspection, Traction Over 10 floors (Sufficient for Issue of Certificate/Permit)	824.31	
14 01 20 71-0004	EA	Regular Routine Elevator Inspection, Hydraulic (Sufficient for Issue of Certificate/Permit)	515.19	
14 01 20 71-0005	EA	Regular Routine Elevator Inspection, Roped Hydraulic (Sufficient for Issue of Certificate/Permit)	515.19	
14 01 20 71-0006	EA	Regular Routine Elevator Inspection, Dumbwaiter/Cart Lifts (Sufficient for Issue of Certificate/Permit)	309.12	
14 01 20 71-0007	HR	Elevator Servicing - Hydraulic, Labor Only	203.16	
14 01 20 71-0008	HR	Elevator Servicing - Traction, Labor Only	253.96	
14 01 20 71-0009	EA	Annual Category 1 Test for Traction Up to 10 floors	1,474.43	
14 01 20 71-0010	EA	Annual Category 1 Test for Traction Over 10 floors	1,843.04	
14 01 20 71-0011	EA	Annual Category 1 Test for Hydraulic Elevator	737.21	
14 01 20 71-0012	EA	Annual Category 1 Test for Roped Hydraulic Elevator	1,658.74	
14 01 20 71-0013	EA	Annual Category 1 Test for Dumbwaiter/Cart Lifts	1,105.83	
14 01 20 71-0014	EA	Full Load Test for Traction Up to 10 floors	2,580.26	
14 01 20 71-0015	EA	Full Load Test for Traction Over 10 floors	2,948.87	
14 01 20 71-0016	EA	Full Load Test for Hydraulic Elevator	2,211.65	
14 01 20 71-0017	EA	Full Load Test for Roped Hydraulic Elevator	2,764.56	
14 01 20 71-0018	EA	Full Load Test for Dumbwaiter/Cart Lifts	1,474.43	
14 01 20 71-0019	EA	Acceptance Test for Traction Up to 10 floors	2,349.55	
14 01 20 71-0020	EA	Acceptance Test for Traction Over 10 floors	2,643.25	
14 01 20 71-0021	EA	Acceptance Test for Hydraulic Elevator	2,349.55	
14 01 20 71-0022	EA	Acceptance Test for Roped Hydraulic Elevator	2,349.55	
14 01 20 71-0023	EA	Acceptance Test for Dumbwaiter/Cart Lifts	2,349.55	

14 01 20 71-0024 Elevator Modernization ^(14 01 20 71)

14 01 20 71-0025	EA	5" Piston Replacement (Hydraulic) Unit Up To 3 Stories (2,000 Lb. x 50 FPM)	46,872.74	10,466.94
Note: Includes replacing existing piston/cylinder, 10 3/4" Sealed PVC, pit channel and buffers.				
For Union-Guard Cathodic Protection, Add			9,808.95	
Note: Includes Pump.				
For An Additional Stop, Add			10,514.54	
Note: Includes Removal.				
14 01 20 71-0026	EA	6" Piston Replacement (Hydraulic) Unit Up To 3 Stories (2,000 Lb. x 50 FPM)	50,538.65	12,647.55
Note: Includes replacing existing piston/cylinder, 10 3/4" Sealed PVC, pit channel and buffers.				
For Union-Guard Cathodic Protection, Add			9,905.78	
Note: Includes Pump.				
For An Additional Stop, Add			11,138.91	
Note: Includes Removal.				
14 01 20 71-0027	EA	8" Piston Replacement (Hydraulic) Unit Up To 3 Stories (2,000 Lb. x 50 FPM)	59,496.61	14,392.04
Note: Includes replacing existing piston/cylinder, 12 3/4" Sealed PVC, pit channel and buffers.				
For Union-Guard Cathodic Protection, Add			11,454.98	
Note: Includes Pump.				
For An Additional Stop, Add			14,175.97	
Note: Includes Removal.				
14 01 20 71-0028	EA	Removal And Replacement Of Hydraulic Control (Maxton) Valve	6,289.97	
14 01 20 71-0029	EA	5 Gallon Container Of Hydraulic Oil For Elevator Modernization	80.56	
14 01 20 71-0030	EA	55 Gallon Container Of Hydraulic Oil For Elevator Modernization	888.52	
14 01 20 71-0031	SET	Car Roller Guide Assembly, Set Of Four	4,819.32	872.24
Note: Includes cover plate.				
14 01 20 71-0032	SET	CWT Roller Guide Assembly, Set Of Four	4,129.15	872.24
Note: Includes cover plate.				
14 01 20 71-0033	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Single Slide Door With Baked Enamel Finish	9,162.33	
Note: Excludes build back.				
14 01 20 71-0034	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Single Slide Door With Satin Stainless Finish	9,936.93	
Note: Excludes build back.				
14 01 20 71-0035	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Center Opening With Baked Enamel Finish	9,660.01	
Note: Excludes build back.				
14 01 20 71-0036	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Center Opening With Satin Stainless Finish	10,434.61	
Note: Excludes build back.				
14 01 20 71-0037	SF	Epoxy Aggregate, Elevator Cab Flooring	103.82	24.92
Note: SF cost not applicable for partial cab flooring.				
14 01 20 71-0038	SF	Aluminum Diamond Plate, Elevator Cab Flooring	90.07	24.92
Note: SF cost not applicable for partial cab flooring.				
14 01 20 71-0039	SF	1/8" Thick, Vinyl Composition Tile (VCT), Elevator Cab Flooring	15.12	3.27
14 01 20 71-0040	EA	Solid State Starting (Soft Start)	6,803.80	654.18
14 01 20 71-0041	EA	Pump Unit (Tank, Valve, Oil, Motor And Victaulic Fittings)	22,277.95	3,652.52
14 01 20 71-0042	EA	Hoistway Door Hanger Set (Rollers, Eccentrics And Track), Single Speed Side Slide (GAL Manufacturing)	2,889.40	872.24
14 01 20 71-0043	EA	Hoistway Door Closer Set (Spring Closer), Single Speed Side Slide (GAL Manufacturing)	528.77	218.06
14 01 20 71-0044	EA	Hoistway Door Closer Set (Spirator Closer), Single Speed Side Slide (GAL)	523.27	436.13
14 01 20 71-0045	EA	Hoistway Door Interlock Set, Single Speed Side Slide (GAL Manufacturing)	704.08	381.60
14 01 20 71-0046	EA	Hoistway Door Hanger Set (Rollers, Eccentrics And Track), Single Speed Center Opening (GAL Manufacturing)	3,441.88	872.24
14 01 20 71-0047	EA	Hoistway Door Closer Set (Spring Closer), Single Speed Center Opening (GAL Manufacturing)	697.76	403.41
14 01 20 71-0048	EA	Hoistway Door Closer Set (Spirator Closer), Single Speed Center Opening (GAL)	523.27	436.13
14 01 20 71-0049	EA	Hoistway Door Interlock Set, Single Speed Center Opening (GAL Manufacturing)	852.48	436.13
14 01 20 71-0050	EA	Fire Service Key Switch Controller	4,378.96	872.24
14 01 20 71-0051	EA	ADA Telephone (Rath Microtech)	1,360.03	436.13

14 Conveying Equipment**14 01 Operation and Maintenance of Conveying Equipment****14 01 20 Operation and Maintenance of Elevators**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
14 01 20 71-0052	EA	Car Door Operator With ADA Buzzer, Single Speed Side Slide (GAL Manufacturing)	9,822.97	1,744.49	
14 01 20 71-0053	EA	Car Door Operator With ADA Buzzer, Single Speed Center Opening (GAL Manufacturing)	10,558.85	1,744.49	
14 01 20 71-0054	EA	Car Door Safety Edge (Infrared Proximity Type Edge)	3,130.66	436.13	
14 01 20 71-0055	EA	Car Operating Panel (ADA, Fire, Position, Chime)	10,345.83	1,744.49	
14 01 20 71-0056	EA	Car Position LED Indicator And Cover Plate, Stainless Steel	2,179.38	436.13	
14 01 20 71-0057	EA	Car Traveling Lanterns With Audible Signal	1,947.41	436.13	
14 01 20 71-0058	EA	Hoistway Door Jamb Floor Tags (Braille)	287.77	218.06	
14 01 20 71-0059	EA	Lobby Vandal Resistant Call Station	1,840.91	436.13	
14 01 20 71-0060	LF	Traveling Cable (4 - #14 AWG, 69 - #18 AWG, 1 Shielded Pair, 2 Co-Axial)	22.39		
		Note: Excludes Removal and Replacement of Material. See CSI section 14 01 20 71-0061 for Removal and Replacement of Traveling Cable.			
14 01 20 71-0061	EA	Removal And Replacement Of Traveling Cable (4 - #14 AWG, 69 - #18 AWG, 1 Shielded Pair, 2 Co-Axial)	6,977.96	3,488.98	
		Note: Excludes Traveling Cable material. See CSI section 14 01 20 71-0060 for Traveling Cable material.			
14 01 20 71-0062	LF	Governor Cable	1.74		
		Note: Removal and Replacement of Governor Cable is part of Traveling Cable Removal and Replacement.			
14 01 20 71-0063	EA	Elevator Cab Wall Coverings (3,500 Lb. Capacity: 6'-8" x 5'-5" Cab), Plastic Laminate - Hang On Panels	7,313.15	872.24	
14 01 20 71-0064	EA	Elevator Cab Wall Coverings (3,500 Lb. Capacity: 6'-8" x 5'-5" Cab), Rigid Stainless Steel - Hang On Panels	10,411.55	872.24	
14 01 20 71-0065	EA	Removal And Replacement Of Governor	6,141.17	872.24	
14 01 20 71-0066	EA	Removal And Replacement Of Car Station	9,881.07	1,744.49	
14 01 20 71-0067	EA	Removal And Replacement Of Telephone	2,092.65	436.13	
14 01 20 71-0068	EA	Removal And Replacement Of Hall Lanterns	1,550.02	436.13	
14 01 20 71-0069	EA	Hall Call Buttons, Vandal Resistant	1,259.54	436.13	
14 01 20 71-0070	EA	Hall Traveling Lanterns With Audible Signal	1,986.15	436.13	
14 01 20 71-0071	EA	Add Raised Character (Braille) Signage To Control Panel	240.72	218.06	
14 01 20 71-0072	EA	New Microprocessor Based Controller (Non-Proprietary)	50,939.79	6,977.96	
14 01 20 71-0073	EA	New Steel Shell And Canopy (Excludes Plastic Panels), For 5' x 7' Cab	29,831.94	6,977.96	
14 01 20 71-0074	EA	New Steel Shell, Canopy And Platform (Excludes Plastic Laminate), For 5' x 7' Cab	46,492.39	6,977.96	
14 01 20 71-0075	EA	Removal And Replacement Of Elevator/Hoistway Doors (Single Slide Door Arrangement), Baked Enamel	3,894.83		
14 01 20 71-0076	EA	Removal And Replacement Of Elevator/Hoistway Doors (Center Opening Door Arrangement), Baked Enamel	4,107.84		
14 01 20 71-0077	EA	Removal And Replacement Of Elevator/Hoistway Doors (Single Slide Door Arrangement), Stainless Steel	4,342.16		
14 01 20 71-0078	EA	Removal And Replacement Of Elevator/Hoistway Doors (Center Opening Door Arrangement), Stainless Steel	4,597.78		
14 01 20 71-0079	EA	Elevator Pit Ladder, Steel	3,681.82	436.13	
		Note: Labor cost is for bolting to concrete pit wall.			
14 01 20 71-0080	EA	New Steel Shell, Canopy, Platform, Standard Cab Plastic Laminate, For 5' x 7' Cab	57,727.37	6,977.96	
14 01 20 71-0081	LF	Removal And Replacement Of Hoisting Cable, 3/8" - Liftpac, Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 4.5, EHS Traction Steel - 5.5	159.83		
		Note: Labor cost is for replacement of set of 4 ropes and rise of 40 feet.			
14 01 20 71-0082	LF	Removal And Replacement Of Hoisting Cable, 1/2" - Liftpac, Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 6.0, EHS Traction Steel - 9.7	170.32		
		Note: Labor cost is for replacement of set of 4 ropes and rise of 40 feet.			
14 01 20 71-0083	LF	Removal And Replacement Of Hoisting Cable, 5/8" - Liftpac, Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 12.7, EHS Traction Steel - 15.4	177.49		
		Note: Labor cost is for replacement of set of 4 ropes and rise of 40 feet.			
14 01 20 71-0084	EA	Hydraulic Leak Detector And Alarm in Elevator Pit (Stancor Oil Minder - 0.5 HP)	10,416.96	872.24	
14 01 20 71-0085	EA	6" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening)	4,359.59	872.24	
		Note: Cladding typically done by metal company.			
14 01 20 71-0086	EA	8" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening)	4,456.42	872.24	
		Note: Cladding typically done by metal company.			
14 01 20 71-0087	EA	10" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening)	4,553.24	872.24	
		Note: Cladding typically done by metal company.			
14 01 20 71-0088	EA	12" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening)	4,669.43	872.24	
		Note: Cladding typically done by metal company.			
14 01 20 71-0089	EA	"Rope Gripper" With Pumping Unit For Use On 4-7/8" Maximum Out to Out Of Cable	9,394.49	872.24	
14 01 20 71-0090	EA	"Rope Gripper" With Pumping Unit For Use On 6" Maximum Out to Out Of Cable	9,394.49	872.24	
14 01 20 71-0091	EA	"Rope Gripper" With Pumping Unit For Use On 10" Maximum Out to Out Of Cable	13,267.49	872.24	
14 01 20 71-0092	EA	"Rope Gripper" With Pumping Unit For Use On 11-1/2" Maximum Out to Out Of Cable	15,203.99	872.24	
14 01 20 71-0093	EA	60 Amperes, Elevator Disconnect Switch, 3 Phase, 480 - 120 Volt, Fire Safety Interface Relay, Mechanical Interlock	5,214.83	193.10	
14 01 20 71-0094	EA	100 Amperes, Elevator Disconnect Switch, 3 Phase, 480 - 120 Volt, Fire Safety Interface Relay, Mechanical Interlock	5,449.57	231.72	
14 01 20 71-0095	EA	200 Amperes, Elevator Disconnect Switch, 3 Phase, 480 - 120 Volt, Fire Safety Interface Relay, Mechanical Interlock	7,206.17	270.34	
14 01 20 71-0096	EA	Aluminum Handrail Spacers With Set Screw	258.28	218.06	
14 01 20 71-0097	EA	Bronze Handrail Spacers With Set Screw	263.65	218.06	
14 01 20 71-0098	LF	1/2" x 2" Round Stainless Steel Elevator Handrail	173.30	51.31	
14 01 20 71-0099	LF	3/8" x 2" Flat Bar, Brushed Finish, Stainless Steel Elevator Handrail	166.99	51.31	
14 01 20 71-0100	LF	3/8" x 3" Flat Bar, Brushed Finish, Stainless Steel Elevator Handrail	196.50	51.31	
14 01 20 71-0101	LF	3/8" x 2" Flat Bar, Mirror Finish, Stainless Steel Elevator Handrail	216.49	51.31	
14 01 20 71-0102	LF	3/8" x 3" Flat Bar, Mirror Finish, Stainless Steel Elevator Handrail	246.23	51.31	
14 01 20 71-0103	LF	3/8" x 2" Flat Bar, Brushed Finish, Bronze Steel Elevator Handrail	200.22	51.31	
14 01 20 71-0104	LF	3/8" x 3" Flat Bar, Brushed Finish, Bronze Steel Elevator Handrail	226.48	51.31	
14 01 20 71-0105	LF	3/8" x 2" Flat Bar, Mirror Finish, Bronze Steel Elevator Handrail, Mirror Finish	346.97	51.31	
14 01 20 71-0106	LF	3/8" x 3" Flat Bar, Mirror Finish, Bronze Steel Elevator Handrail	388.64	51.31	
14 01 20 71-0107	LF	3/8" x 1-1/2" Diameter Tubular, Brushed Finish, Stainless Steel Elevator Handrail	165.98	51.31	
14 01 20 71-0108	LF	3/8" x 2" Diameter Tubular, Brushed Finish, Tubular Stainless Steel Elevator Handrail	167.59	51.31	
14 01 20 71-0109	LF	3/8" x 2-1/2" Diameter Tubular, Brushed Finish, Stainless Steel Elevator Handrail	211.22	51.31	
14 01 20 71-0110	LF	3/8" x 1-1/2" Diameter Tubular, Mirror Finish, Stainless Steel Elevator Handrail	198.36	51.31	
14 01 20 71-0111	LF	3/8" x 2" Diameter Tubular, Mirror Finish, Stainless Steel Elevator Handrail	212.07	51.31	
14 01 20 71-0112	LF	3/8" x 2-1/2" Diameter Tubular, Mirror Finish, Stainless Steel Elevator Handrail	263.21	51.31	
14 01 20 71-0113	LF	3/8" x 1-1/2" Diameter Tubular, Brushed Finish, Tubular Bronze Steel Elevator Handrail	204.87	51.31	
14 01 20 71-0114	LF	3/8" x 2" Diameter Tubular, Brushed Finish, Bronze Steel Elevator Handrail	209.28	51.31	
14 01 20 71-0115	LF	3/8" x 2-1/2" Diameter Tubular, Brushed Finish Bronze Steel Elevator Handrail	343.83	51.31	
14 01 20 71-0116	LF	3/8" x 1-1/2" Diameter Tubular, Mirror Finish, Bronze Steel Elevator Handrail	229.03	51.31	
14 01 20 71-0117	LF	3/8" x 2" Diameter Tubular, Mirror Finish, Bronze Elevator Handrail	344.68	51.31	
14 01 20 71-0118	LF	3/8" x 2-1/2" Diameter Tubular, Mirror Finish, Bronze Elevator Handrail	388.64	51.31	

MINOR
CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

14 20 Elevators ⁽¹⁴⁾

Note: Excludes final electrical work or shaft walls.

14 21 Electric Traction Elevators ^(14 20)

14 21 13 Electric Traction Freight Elevators ^(14 21)

14 21 13 00-0001 Electric Traction Freight Elevators ^(14 21 13)

Note: Painted metal shaft doors and steel painted cab. Unit prices based on a shaft of 6 stops (12 feet floor to floor) and 6 openings with power doors.

14 21 13 00-0002	EA	Electric Traction Freight Elevator, 4,000 Lb. x 200 FPM, 6 Stops, 6 Openings	385,361.93	
		For Each Opening With Bonderized Steel Door, Add	276.94	
		For Each Opening With Stainless Steel Doors, Add	692.35	
		For Each Opening With Two Speed Doors, Add	830.82	
		For Custom Plastic Laminated Cab Interiors, Add	3,672.00	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	5,508.00	
		For Stainless Steel Cab Interior, Add	7,344.00	
		For Elevator With Manual Door, Deduct	-10,000.00	
		For Class "C-1" Loading, Add	1,529.39	
		For Class "C-2" Loading, Add	1,836.00	
		For Class "C-3" Loading, Add	2,511.65	
		For Removal Of Existing Stop, Add	9,568.08	
		For Each Additional Stop, Add	36,823.20	
		For Each Floor < 6 Stops, Deduct	-31,940.14	
		For Each Additional 50 FPM, Add	5,508.00	
		For Removal Of Existing Elevator, Add	47,840.40	
14 21 13 00-0003	EA	Electric Traction Freight Elevator, 5,000 Lb. x 200 FPM, 6 Stops, 6 Openings	406,192.83	
		For Each Opening With Bonderized Steel Door, Add	276.94	
		For Each Opening With Stainless Steel Doors, Add	692.35	
		For Each Opening With Two Speed Doors, Add	830.82	
		For Custom Plastic Laminated Cab Interiors, Add	3,672.00	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	5,508.00	
		For Stainless Steel Cab Interior, Add	7,344.00	
		For Elevator With Manual Door, Deduct	-10,000.00	
		For Class "C-1" Loading, Add	3,058.78	
		For Class "C-2" Loading, Add	3,672.00	
		For Class "C-3" Loading, Add	5,089.39	
		For Removal Of Existing Stop, Add	9,568.08	
		For Each Additional Stop, Add	36,823.20	
		For Each Floor < 6 Stops, Deduct	-31,940.14	
		For Each Additional 50 FPM, Add	5,508.00	
		For Removal Of Existing Elevator, Add	47,840.40	
14 21 13 00-0004	EA	Electric Traction Freight Elevator, 6,000 Lb. x 200 FPM, 6 Stops, 6 Openings	428,806.35	
		For Elevator With Manual Door, Deduct	-10,000.00	
		For Class "C-1" Loading, Add	3,058.78	
		For Class "C-2" Loading, Add	3,672.00	
		For Class "C-3" Loading, Add	5,089.39	
		For Custom Plastic Laminated Cab Interiors, Add	4,590.00	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,426.00	
		For Stainless Steel Cab Interior, Add	8,262.00	
		For Removal Of Existing Stop, Add	9,568.08	
		For Each Additional Stop, Add	37,741.20	
		For Each Additional 50 FPM, Add	5,508.00	
		For Each Opening With Bonderized Steel Door, Add	275.40	
		For Each Opening With Stainless Steel Doors, Add	550.80	
		For Each Opening With Two Speed Doors, Add	688.50	
		For Removal Of Existing Elevator, Add	47,840.40	
		For Each Floor < 6 Stops, Deduct	-32,940.14	
14 21 13 00-0005	EA	Electric Traction Freight Elevator, 7,000 Lb. x 200 FPM, 6 Stops, 6 Openings	438,896.74	
		For Elevator With Manual Door, Deduct	-10,000.00	
		For Class "C-1" Loading, Add	3,058.78	
		For Class "C-2" Loading, Add	3,672.00	
		For Class "C-3" Loading, Add	5,089.39	
		For Custom Plastic Laminated Cab Interiors, Add	4,590.00	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,426.00	
		For Stainless Steel Cab Interior, Add	8,262.00	
		For Removal Of Existing Stop, Add	9,568.08	
		For Each Additional Stop, Add	37,741.20	
		For Each Additional 50 FPM, Add	5,508.00	
		For Each Opening With Bonderized Steel Door, Add	275.40	
		For Each Opening With Stainless Steel Doors, Add	550.80	
		For Each Opening With Two Speed Doors, Add	688.50	
		For Removal Of Existing Elevator, Add	47,840.40	
		For Each Floor < 6 Stops, Deduct	-32,940.14	
14 21 13 00-0006	EA	Electric Traction Freight Elevator, 8,000 Lb. x 200 FPM, 6 Stops, 6 Openings	452,550.35	
		For Elevator With Manual Door, Deduct	-10,000.00	
		For Each Additional 50 FPM, Add	13,847.00	
		For Class "C-1" Loading, Add	6,119.39	
		For Class "C-2" Loading, Add	7,344.00	
		For Class "C-3" Loading, Add	10,046.59	
		For Removal Of Existing Stop, Add	9,568.08	
		For Each Additional Stop, Add	37,741.20	
		For Each Opening With Bonderized Steel Door, Add	367.20	
		For Each Opening With Stainless Steel Doors, Add	642.60	
		For Each Opening With Two Speed Doors, Add	780.30	
		For Custom Plastic Laminated Cab Interiors, Add	5,508.00	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	7,344.00	
		For Stainless Steel Cab Interior, Add	9,180.00	
		For Removal Of Existing Elevator, Add	47,840.40	
		For Each Floor < 6 Stops, Deduct	-32,940.14	

14 Conveying Equipment**14 20 Elevators****14 21 Electric Traction Elevators**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

14 21 13 00-0007	EA	Electric Traction Freight Elevator, 10,000 Lb. x 200 FPM, 6 Stops, 6 Openings	468,031.46	
		For Elevator With Manual Door, Deduct	-10,000.00	
		For Each Additional 50 FPM, Add	13,847.00	
		For Class "C-1" Loading, Add	6,119.39	
		For Class "C-2" Loading, Add	7,344.00	
		For Class "C-3" Loading, Add	10,046.59	
		For Removal Of Existing Stop, Add	9,568.08	
		For Each Additional Stop, Add	37,741.20	
		For Each Opening With Bonderized Steel Door, Add	367.20	
		For Each Opening With Stainless Steel Doors, Add	642.60	
		For Each Opening With Two Speed Doors, Add	780.30	
		For Custom Plastic Laminated Cab Interiors, Add	5,508.00	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	7,344.00	
		For Stainless Steel Cab Interior, Add	9,180.00	
		For Removal Of Existing Elevator, Add	47,840.40	
		For Each Floor < 6 Stops, Deduct	-32,940.14	
14 21 13 00-0008	EA	Electric Traction Freight Elevator, 12,000 Lb. x 200 FPM, 6 Stops, 6 Openings	481,308.61	
		For Elevator With Manual Door, Deduct	-10,000.00	
		For Each Additional 50 FPM, Add	13,847.00	
		For Class "C-1" Loading, Add	6,119.39	
		For Class "C-2" Loading, Add	7,344.00	
		For Class "C-3" Loading, Add	10,046.59	
		For Removal Of Existing Stop, Add	9,568.08	
		For Each Additional Stop, Add	37,741.20	
		For Each Opening With Bonderized Steel Door, Add	367.20	
		For Each Opening With Stainless Steel Doors, Add	642.60	
		For Each Opening With Two Speed Doors, Add	780.30	
		For Custom Plastic Laminated Cab Interiors, Add	5,508.00	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	7,344.00	
		For Stainless Steel Cab Interior, Add	9,180.00	
		For Removal Of Existing Elevator, Add	47,840.40	
		For Each Floor < 6 Stops, Deduct	-32,940.14	

14 21 23 Electric Traction Passenger Elevators (14 21)**14 21 23 13 Machine Room Electric Traction Passenger Elevators (14 21 23)**

14 21 23 13-0001		Electric Traction Passenger Elevators (14 21 23 13)		
		Note: Baked enamel shaft doors and plastic laminate trimmed cab, allowance of \$7,500. Unit prices based on a shaft of 6 stops (12 feet floor to floor) and 6 openings.		
14 21 23 13-0002	EA	Electric Traction Passenger Elevator, 2,000 Lb. x 200 FPM, 6 Stops, 6 Openings	286,137.39	
		For Each Opening With Bonderized Steel Door, Add	276.94	
		For Each Opening With Stainless Steel Doors, Add	692.35	
		For Custom Plastic Laminated Cab Interiors, Add	3,672.00	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	5,508.00	
		For Stainless Steel Cab Interior, Add	7,344.00	
		For Each Additional 50 FPM, Add	5,711.89	
		For Removal Of Existing Stop, Add	4,784.88	
		For Each Additional Stop, Add	36,823.20	
		For Each Floor < 6 Stops, Deduct	-21,962.20	
		For Removal Of Existing Elevator, Add	35,886.63	
14 21 23 13-0003	EA	Electric Traction Passenger Elevator, 2,500 Lb. x 200 FPM, 6 Stops, 6 Openings	293,671.08	
		For Each Opening With Bonderized Steel Door, Add	276.94	
		For Each Opening With Stainless Steel Doors, Add	692.35	
		For Custom Plastic Laminated Cab Interiors, Add	3,672.00	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	5,508.00	
		For Stainless Steel Cab Interior, Add	7,344.00	
		For Each Additional 50 FPM, Add	5,711.89	
		For Removal Of Existing Stop, Add	4,784.88	
		For Each Additional Stop, Add	36,823.20	
		For Each Floor < 6 Stops, Deduct	-21,962.20	
		For Removal Of Existing Elevator, Add	35,886.63	
14 21 23 13-0004	EA	Electric Traction Passenger Elevator, 3,000 Lb. x 200 FPM, 6 Stops, 6 Openings	300,373.93	
		For Each Opening With Bonderized Steel Door, Add	276.94	
		For Each Opening With Stainless Steel Doors, Add	692.35	
		For Custom Plastic Laminated Cab Interiors, Add	3,672.00	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	5,508.00	
		For Stainless Steel Cab Interior, Add	7,344.00	
		For Each Additional 50 FPM, Add	5,711.89	
		For Removal Of Existing Stop, Add	4,784.88	
		For Each Additional Stop, Add	36,823.20	
		For Each Floor < 6 Stops, Deduct	-21,962.20	
		For Removal Of Existing Elevator, Add	35,886.63	
14 21 23 13-0005	EA	Electric Traction Passenger Elevator, 3,500 Lb. x 200 FPM, 6 Stops, 6 Openings	305,257.54	
		For Each Opening With Bonderized Steel Door, Add	276.94	
		For Each Opening With Stainless Steel Doors, Add	692.35	
		For Custom Plastic Laminated Cab Interiors, Add	3,672.00	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	5,508.00	
		For Stainless Steel Cab Interior, Add	7,344.00	
		For Each Additional 50 FPM, Add	5,711.89	
		For Removal Of Existing Stop, Add	4,784.88	
		For Each Additional Stop, Add	36,823.20	
		For Each Floor < 6 Stops, Deduct	-21,962.20	
		For Removal Of Existing Elevator, Add	35,886.63	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 21 23 13-0006	EA	Electric Traction Passenger Elevator, 4,000 Lb. x 200 FPM, 6 Stops, 6 Openings	311,591.02	
		For Each Opening With Bonderized Steel Door, Add	276.94	
		For Each Opening With Stainless Steel Doors, Add	692.35	
		For Custom Plastic Laminated Cab Interiors, Add	3,672.00	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	5,508.00	
		For Stainless Steel Cab Interior, Add	7,344.00	
		For Each Additional 50 FPM, Add	5,711.89	
		For Removal Of Existing Stop, Add	4,784.88	
		For Each Additional Stop, Add	36,823.20	
		For Each Floor < 6 Stops, Deduct	-21,962.20	
		For Removal Of Existing Elevator, Add	35,886.63	
14 21 23 13-0007	EA	Electric Traction Passenger Elevator, 4,500 Lb. x 200 FPM, 6 Stops, 6 Openings	317,609.22	
		For Each Opening With Bonderized Steel Door, Add	276.94	
		For Each Opening With Stainless Steel Doors, Add	692.35	
		For Custom Plastic Laminated Cab Interiors, Add	3,672.00	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	5,508.00	
		For Stainless Steel Cab Interior, Add	7,344.00	
		For Each Additional 50 FPM, Add	5,711.89	
		For Removal Of Existing Stop, Add	4,784.88	
		For Each Additional Stop, Add	36,823.20	
		For Each Floor < 6 Stops, Deduct	-21,962.20	
		For Removal Of Existing Elevator, Add	35,886.63	
14 21 23 13-0008	EA	Electric Traction Passenger Elevator, 5,000 Lb. x 200 FPM, 6 Stops, 6 Openings	323,765.82	
		For Each Opening With Bonderized Steel Door, Add	276.94	
		For Each Opening With Stainless Steel Doors, Add	692.35	
		For Custom Plastic Laminated Cab Interiors, Add	3,672.00	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	5,508.00	
		For Stainless Steel Cab Interior, Add	7,344.00	
		For Each Additional 50 FPM, Add	5,711.89	
		For Removal Of Existing Stop, Add	4,784.88	
		For Each Additional Stop, Add	36,823.20	
		For Each Floor < 6 Stops, Deduct	-21,962.20	
		For Removal Of Existing Elevator, Add	35,886.63	

14 24 Hydraulic Elevators ^(14 20)

Note: Prices are for a complete operating elevator including all standard controls, hydraulic motor and devices based on unit with cab sized 5' by 8' with galvanized primed shaft door with cab allowances as listed below.

14 24 13 Hydraulic Freight Elevators ^(14 24)

14 24 13 00-0001 Hydraulic Freight Elevators ^(14 24 13)

Note: Painted metal shaft doors and steel painted cab. Unit prices based on a shaft of 3 stops (15 feet floor to floor) and 3 openings with power doors.

14 24 13 00-0002	EA	Hydraulic Freight Elevator, 3,000 Lb. x 50 FPM, 3 Stops, 3 Openings	235,858.25	
		For Each Additional Stop, Add	26,577.16	
		For 2 Stops, Deduct	-16,194.94	
		For Each Opening With Bonderized Steel Door, Add	276.94	
		For Each Opening With Stainless Steel Doors, Add	692.35	
		For Each Opening With Two Speed Doors, Add	830.82	
		For Custom Plastic Laminated Cab Interiors, Add	3,672.00	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	5,508.00	
		For Stainless Steel Cab Interior, Add	7,344.00	
		For Each Additional 50 FPM, Add	2,769.40	
		For Elevator With Manual Door, Deduct	-10,000.00	
		For Class "C-1" Loading, Add	1,529.39	
		For Class "C-2" Loading, Add	1,836.00	
		For Class "C-3" Loading, Add	2,511.65	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	327.74	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	52.88	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	82.62	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	9,568.08	
		For Removal Of Existing Elevator, Add	23,920.20	
14 24 13 00-0003	EA	Hydraulic Freight Elevator, 3,500 Lb. x 50 FPM, 3 Stops, 3 Openings	243,233.95	
		For Each Additional Stop, Add	26,577.16	
		For 2 Stops, Deduct	-16,194.94	
		For Each Opening With Bonderized Steel Door, Add	276.94	
		For Each Opening With Stainless Steel Doors, Add	692.35	
		For Each Opening With Two Speed Doors, Add	830.82	
		For Custom Plastic Laminated Cab Interiors, Add	3,672.00	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	5,508.00	
		For Stainless Steel Cab Interior, Add	7,344.00	
		For Each Additional 50 FPM, Add	2,769.40	
		For Elevator With Manual Door, Deduct	-10,000.00	
		For Class "C-1" Loading, Add	1,529.39	
		For Class "C-2" Loading, Add	1,836.00	
		For Class "C-3" Loading, Add	2,511.65	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	327.74	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	52.88	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	82.62	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	9,568.08	
		For Removal Of Existing Elevator, Add	23,920.20	

14 Conveying Equipment**14 20 Elevators****14 24 Hydraulic Elevators**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

14 24 13 00-0004	EA	Hydraulic Freight Elevator, 4,000 Lb. x 50 FPM, 3 Stops, 3 Openings	250,049.54	
		For Each Additional Stop, Add	26,577.16	
		For 2 Stops, Deduct	-16,194.94	
		For Each Opening With Bonderized Steel Door, Add	276.94	
		For Each Opening With Stainless Steel Doors, Add	692.35	
		For Each Opening With Two Speed Doors, Add	830.82	
		For Custom Plastic Laminated Cab Interiors, Add	3,672.00	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	5,508.00	
		For Stainless Steel Cab Interior, Add	7,344.00	
		For Each Additional 50 FPM, Add	2,769.40	
		For Elevator With Manual Door, Deduct	-10,000.00	
		For Class "C-1" Loading, Add	1,529.39	
		For Class "C-2" Loading, Add	1,836.00	
		For Class "C-3" Loading, Add	2,511.65	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	327.74	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	52.88	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	82.62	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	9,568.08	
		For Removal Of Existing Elevator, Add	23,920.20	
14 24 13 00-0005	EA	Hydraulic Freight Elevator, 5,000 Lb. x 50 FPM, 3 Stops, 3 Openings	256,657.26	
		For Each Opening With Bonderized Steel Door, Add	276.94	
		For Each Opening With Stainless Steel Doors, Add	692.35	
		For Each Opening With Two Speed Doors, Add	830.82	
		For Custom Plastic Laminated Cab Interiors, Add	3,672.00	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	5,508.00	
		For Stainless Steel Cab Interior, Add	7,344.00	
		For Each Additional 50 FPM, Add	2,769.40	
		For Elevator With Manual Door, Deduct	-10,000.00	
		For Each Additional Stop, Add	27,961.86	
		For 2 Stops, Deduct	-17,194.94	
		For Class "C-1" Loading, Add	3,058.78	
		For Class "C-2" Loading, Add	3,672.00	
		For Class "C-3" Loading, Add	5,089.39	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	327.74	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	52.88	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	82.62	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	9,568.08	
		For Removal Of Existing Elevator, Add	23,920.20	
14 24 13 00-0006	EA	Hydraulic Freight Elevator, 6,000 Lb. x 50 FPM, 3 Stops, 3 Openings	270,585.68	
		For Each Opening With Bonderized Steel Door, Add	276.94	
		For Each Opening With Stainless Steel Doors, Add	692.35	
		For Each Opening With Two Speed Doors, Add	830.82	
		For Elevator With Manual Door, Deduct	-10,000.00	
		For Each Additional Stop, Add	27,961.86	
		For 2 Stops, Deduct	-17,194.94	
		For Class "C-1" Loading, Add	3,058.78	
		For Class "C-2" Loading, Add	3,672.00	
		For Class "C-3" Loading, Add	5,089.39	
		For Each Additional 50 FPM, Add	13,847.00	
		For Custom Plastic Laminated Cab Interiors, Add	4,590.00	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,426.00	
		For Stainless Steel Cab Interior, Add	8,262.00	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	327.74	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	52.88	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	82.62	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	9,568.08	
		For Removal Of Existing Elevator, Add	23,920.20	
14 24 13 00-0007	EA	Hydraulic Freight Elevator, 7,000 Lb. x 50 FPM, 3 Stops, 3 Openings	277,272.89	
		For Each Opening With Bonderized Steel Door, Add	276.94	
		For Each Opening With Stainless Steel Doors, Add	692.35	
		For Each Opening With Two Speed Doors, Add	830.82	
		For Elevator With Manual Door, Deduct	-10,000.00	
		For Each Additional Stop, Add	27,961.86	
		For 2 Stops, Deduct	-17,194.94	
		For Class "C-1" Loading, Add	3,058.78	
		For Class "C-2" Loading, Add	3,672.00	
		For Class "C-3" Loading, Add	5,089.39	
		For Each Additional 50 FPM, Add	13,847.00	
		For Custom Plastic Laminated Cab Interiors, Add	4,590.00	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,426.00	
		For Stainless Steel Cab Interior, Add	8,262.00	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	327.74	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	52.88	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	82.62	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	9,568.08	
		For Removal Of Existing Elevator, Add	35,886.63	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 13 00-0008	EA		Hydraulic Freight Elevator, 8,000 Lb. x 50 FPM, 3 Stops, 3 Openings	287,283.51	
			For Each Opening With Bonderized Steel Door, Add	276.94	
			For Each Opening With Stainless Steel Doors, Add	692.35	
			For Each Opening With Two Speed Doors, Add	830.82	
			For Elevator With Manual Door, Deduct	-10,000.00	
			For Each Additional Stop, Add	27,961.86	
			For 2 Stops, Deduct	-17,194.94	
			For Custom Plastic Laminated Cab Interiors, Add	4,590.00	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,426.00	
			For Stainless Steel Cab Interior, Add	8,262.00	
			For Each Additional 50 FPM, Add	15,231.70	
			For Class "C-1" Loading, Add	7,646.94	
			For Class "C-2" Loading, Add	9,180.00	
			For Class "C-3" Loading, Add	12,558.24	
			For Well Hole Drilling (12" Diameter Hole), Add Per VLF	327.74	
			Note: Includes Labor and Equipment.		
			For 12" PVC Liner, Add Per LF	52.88	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For 12" Steel Liner, Add Per LF	82.62	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For Removal Of Existing Stop, Add	9,568.08	
			For Removal Of Existing Elevator, Add	35,886.63	
14 24 13 00-0009	EA		Hydraulic Freight Elevator, 10,000 Lb. x 50 FPM, 3 Stops, 3 Openings	294,738.76	
			For Each Opening With Bonderized Steel Door, Add	276.94	
			For Each Opening With Stainless Steel Doors, Add	692.35	
			For Each Opening With Two Speed Doors, Add	830.82	
			For Elevator With Manual Door, Deduct	-10,000.00	
			For Each Additional Stop, Add	27,961.86	
			For 2 Stops, Deduct	-17,194.94	
			For Custom Plastic Laminated Cab Interiors, Add	4,590.00	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,426.00	
			For Stainless Steel Cab Interior, Add	8,262.00	
			For Well Hole Drilling (12" Diameter Hole), Add Per VLF	327.74	
			Note: Includes Labor and Equipment.		
			For 12" PVC Liner, Add Per LF	52.88	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For 12" Steel Liner, Add Per LF	82.62	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For Removal Of Existing Stop, Add	9,568.08	
			For Removal Of Existing Elevator, Add	35,886.63	
			For Each Additional 50 FPM, Add	16,616.40	
			For Class "C-1" Loading, Add	10,170.52	
			For Class "C-2" Loading, Add	12,209.40	
			For Class "C-3" Loading, Add	16,702.09	
14 24 13 00-0010	EA		Hydraulic Freight Elevator, 12,000 Lb. x 50 FPM, 3 Stops, 3 Openings	307,199.71	
			For Each Opening With Bonderized Steel Door, Add	276.94	
			For Each Opening With Stainless Steel Doors, Add	692.35	
			For Each Opening With Two Speed Doors, Add	830.82	
			For Elevator With Manual Door, Deduct	-10,000.00	
			For Each Additional Stop, Add	27,961.86	
			For 2 Stops, Deduct	-17,194.94	
			For Custom Plastic Laminated Cab Interiors, Add	4,590.00	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,426.00	
			For Stainless Steel Cab Interior, Add	8,262.00	
			For Well Hole Drilling (12" Diameter Hole), Add Per VLF	327.74	
			Note: Includes Labor and Equipment.		
			For 12" PVC Liner, Add Per LF	52.88	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For 12" Steel Liner, Add Per LF	82.62	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For Removal Of Existing Stop, Add	9,568.08	
			For Removal Of Existing Elevator, Add	35,886.63	
			For Each Additional 50 FPM, Add	16,616.40	
			For Class "C-1" Loading, Add	10,170.52	
			For Class "C-2" Loading, Add	12,209.40	
			For Class "C-3" Loading, Add	16,702.09	
14 24 13 00-0011			Hydraulic Elevators Piston Drilling ^(14 24 13)		
14 24 13 00-0012	VLF		Up To 6" Diameter Piston Drilling	101.86	
			Note: Includes casing.		
14 24 13 00-0013	VLF		8" To 10" Diameter Piston Drilling.....	121.58	
			Note: Includes casing.		

14 24 23 Hydraulic Passenger Elevators ^(14 24)

14 24 23 00-0001 Hydraulic Passenger Elevators ^(14 24 23)

Note: Baked enamel shaft doors and plastic laminate trimmed cab, allowance of \$7,500. Unit prices based on a shaft of 3 stops (15 feet floor to floor) and 3 openings.

14 Conveying Equipment**14 20 Elevators****14 24 Hydraulic Elevators**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
14 24 23 00-0002	EA Hydraulic Passenger Elevator, 2,100 Lb. x 100 FPM, 3 Stops, 3 Openings	162,253.78		
	For Each Additional Stop, Add	26,577.16		
	For Each Opening With Bonderized Steel Door, Add	276.94		
	For Each Opening With Stainless Steel Doors, Add	692.35		
	For Custom Plastic Laminated Cab Interiors, Add	3,672.00		
	For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	5,508.00		
	For Stainless Steel Cab Interior, Add	7,344.00		
	For Well Hole Drilling (12" Diameter Hole), Add Per VLF	327.74		
	Note: Includes Labor and Equipment.			
	For 12" PVC Liner, Add Per LF	52.88		
	Note: Liner for Hydraulic Elevator Well Hole if necessary.			
	For 12" Steel Liner, Add Per LF	82.62		
	Note: Liner for Hydraulic Elevator Well Hole if necessary.			
	For Each Additional 50 FPM, Add	5,711.89		
	For Removal Of Existing Elevator, Add	23,920.20		
	For Removal Of Existing Stop, Add	4,784.88		
	For 2 Stops, Deduct	-10,000.00		
14 24 23 00-0003	EA Hydraulic Passenger Elevator, 2,500 Lb. x 100 FPM, 3 Stops, 3 Openings	165,023.18		
	For Each Additional Stop, Add	26,577.16		
	For Each Opening With Bonderized Steel Door, Add	276.94		
	For Each Opening With Stainless Steel Doors, Add	692.35		
	For Custom Plastic Laminated Cab Interiors, Add	3,672.00		
	For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	5,508.00		
	For Stainless Steel Cab Interior, Add	7,344.00		
	For Well Hole Drilling (12" Diameter Hole), Add Per VLF	327.74		
	Note: Includes Labor and Equipment.			
	For 12" PVC Liner, Add Per LF	52.88		
	Note: Liner for Hydraulic Elevator Well Hole if necessary.			
	For 12" Steel Liner, Add Per LF	82.62		
	Note: Liner for Hydraulic Elevator Well Hole if necessary.			
	For Each Additional 50 FPM, Add	5,711.89		
	For Removal Of Existing Elevator, Add	23,920.20		
	For Removal Of Existing Stop, Add	4,784.88		
	For 2 Stops, Deduct	-10,000.00		
14 24 23 00-0004	EA Hydraulic Passenger Elevator, 3,000 Lb. x 100 FPM, 3 Stops, 3 Openings	166,927.14		
	For Each Additional Stop, Add	26,577.16		
	For Each Opening With Bonderized Steel Door, Add	276.94		
	For Each Opening With Stainless Steel Doors, Add	692.35		
	For Custom Plastic Laminated Cab Interiors, Add	3,672.00		
	For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	5,508.00		
	For Stainless Steel Cab Interior, Add	7,344.00		
	For Well Hole Drilling (12" Diameter Hole), Add Per VLF	327.74		
	Note: Includes Labor and Equipment.			
	For 12" PVC Liner, Add Per LF	52.88		
	Note: Liner for Hydraulic Elevator Well Hole if necessary.			
	For 12" Steel Liner, Add Per LF	82.62		
	Note: Liner for Hydraulic Elevator Well Hole if necessary.			
	For Each Additional 50 FPM, Add	5,711.89		
	For Removal Of Existing Elevator, Add	23,920.20		
	For Removal Of Existing Stop, Add	4,784.88		
	For 2 Stops, Deduct	-10,000.00		
14 24 23 00-0005	EA Hydraulic Passenger Elevator, 3,500 Lb. x 100 FPM, 3 Stops, 3 Openings	174,797.51		
	For Each Additional Stop, Add	26,577.16		
	For Each Opening With Bonderized Steel Door, Add	276.94		
	For Each Opening With Stainless Steel Doors, Add	692.35		
	For Custom Plastic Laminated Cab Interiors, Add	3,672.00		
	For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	5,508.00		
	For Stainless Steel Cab Interior, Add	7,344.00		
	For Well Hole Drilling (12" Diameter Hole), Add Per VLF	327.74		
	Note: Includes Labor and Equipment.			
	For 12" PVC Liner, Add Per LF	52.88		
	Note: Liner for Hydraulic Elevator Well Hole if necessary.			
	For 12" Steel Liner, Add Per LF	82.62		
	Note: Liner for Hydraulic Elevator Well Hole if necessary.			
	For Each Additional 50 FPM, Add	5,711.89		
	For Removal Of Existing Elevator, Add	23,920.20		
	For Removal Of Existing Stop, Add	4,784.88		
	For 2 Stops, Deduct	-10,000.00		
14 24 23 00-0006	EA Hydraulic Passenger Elevator, 4,000 Lb. x 100 FPM, 3 Stops, 3 Openings	178,012.88		
	For Each Additional Stop, Add	26,577.16		
	For Each Opening With Bonderized Steel Door, Add	276.94		
	For Each Opening With Stainless Steel Doors, Add	692.35		
	For Custom Plastic Laminated Cab Interiors, Add	3,672.00		
	For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	5,508.00		
	For Stainless Steel Cab Interior, Add	7,344.00		
	For Well Hole Drilling (12" Diameter Hole), Add Per VLF	327.74		
	Note: Includes Labor and Equipment.			
	For 12" PVC Liner, Add Per LF	52.88		
	Note: Liner for Hydraulic Elevator Well Hole if necessary.			
	For 12" Steel Liner, Add Per LF	82.62		
	Note: Liner for Hydraulic Elevator Well Hole if necessary.			
	For Each Additional 50 FPM, Add	5,711.89		
	For Removal Of Existing Elevator, Add	23,920.20		
	For Removal Of Existing Stop, Add	4,784.88		
	For 2 Stops, Deduct	-10,000.00		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST

14 24 23 00-0007	EA		Hydraulic Passenger Elevator, 4,500 Lb. x 100 FPM, 3 Stops, 3 Openings	182,063.13	
			For Each Opening With Bonderized Steel Door, Add	276.94	
			For Each Opening With Stainless Steel Doors, Add	692.35	
			For Custom Plastic Laminated Cab Interiors, Add	3,672.00	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	5,508.00	
			For Stainless Steel Cab Interior, Add	7,344.00	
			For Each Additional Stop, Add	27,961.86	
			For Well Hole Drilling (12" Diameter Hole), Add Per VLF	327.74	
			Note: Includes Labor and Equipment.		
			For 12" PVC Liner, Add Per LF	52.88	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For 12" Steel Liner, Add Per LF	82.62	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For Each Additional 50 FPM, Add	5,711.89	
			For Removal Of Existing Elevator, Add	23,920.20	
			For Removal Of Existing Stop, Add	4,784.88	
			For 2 Stops, Deduct	-10,000.00	
14 24 23 00-0008	EA		Hydraulic Passenger Elevator, 5,000 Lb. x 100 FPM, 3 Stops, 3 Openings	186,669.24	
			For Each Opening With Bonderized Steel Door, Add	276.94	
			For Each Opening With Stainless Steel Doors, Add	692.35	
			For Each Opening With Two Speed Doors, Add	830.82	
			For Custom Plastic Laminated Cab Interiors, Add	3,672.00	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	5,508.00	
			For Stainless Steel Cab Interior, Add	7,344.00	
			For Each Additional Stop, Add	27,961.86	
			For Well Hole Drilling (12" Diameter Hole), Add Per VLF	327.74	
			Note: Includes Labor and Equipment.		
			For 12" PVC Liner, Add Per LF	52.88	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For 12" Steel Liner, Add Per LF	82.62	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For Each Additional 50 FPM, Add	5,711.89	
			For Removal Of Existing Elevator, Add	23,920.20	
			For Removal Of Existing Stop, Add	4,784.88	
			For 2 Stops, Deduct	-10,000.00	

14 24 23 00-0009 Twin Holeless Hydraulic Passenger Elevator (14 24 23)

Note: Baked enamel shaft doors and plastic laminate trimmed cab, allowance of \$7,500. Unit prices based on a shaft of 2 stops (10 feet floor to floor) and 2 openings.

14 24 23 00-0010	EA		Twin Holeless Hydraulic Passenger Elevator, 2,100 Lb. x 100 FPM	138,722.15	
			For Each Opening With Bonderized Steel Door, Add	276.94	
			For Each Opening With Stainless Steel Doors, Add	692.35	
			For Custom Plastic Laminated Cab Interiors, Add	3,213.00	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	4,590.00	
			For Stainless Steel Cab Interior, Add	5,508.00	
			For Removal Of Existing Elevator, Add	23,920.20	
			For Each Additional Stop, Add	28,341.85	
			For An Additional 25 FPM, Add	2,333.22	
14 24 23 00-0011	EA		Twin Holeless Hydraulic Passenger Elevator, 2,500 Lb. x 100 FPM	143,821.52	
			For Each Opening With Bonderized Steel Door, Add	276.94	
			For Each Opening With Stainless Steel Doors, Add	692.35	
			For Custom Plastic Laminated Cab Interiors, Add	3,213.00	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	4,590.00	
			For Stainless Steel Cab Interior, Add	5,508.00	
			For Removal Of Existing Elevator, Add	23,920.20	
			For Each Additional Stop, Add	28,341.85	
			For An Additional 25 FPM, Add	2,333.22	
14 24 23 00-0012	EA		Twin Holeless Hydraulic Passenger Elevator, 3,000 Lb. x 100 FPM	148,728.95	
			For Each Opening With Bonderized Steel Door, Add	276.94	
			For Each Opening With Stainless Steel Doors, Add	692.35	
			For Custom Plastic Laminated Cab Interiors, Add	3,213.00	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	4,590.00	
			For Stainless Steel Cab Interior, Add	5,508.00	
			For Removal Of Existing Elevator, Add	23,920.20	
			For Each Additional Stop, Add	28,341.85	
			For An Additional 25 FPM, Add	2,333.22	
14 24 23 00-0013	EA		Twin Holeless Hydraulic Passenger Elevator, 3,500 Lb. x 100 FPM	171,690.32	
			For Each Opening With Bonderized Steel Door, Add	276.94	
			For Each Opening With Stainless Steel Doors, Add	692.35	
			For Custom Plastic Laminated Cab Interiors, Add	3,213.00	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	4,590.00	
			For Stainless Steel Cab Interior, Add	5,508.00	
			For Removal Of Existing Elevator, Add	23,920.20	
			For Each Additional Stop, Add	28,341.85	
			For An Additional 25 FPM, Add	2,333.22	

14 26 Limited-Use/Limited-Application Elevators (14 20)

14 26 00 00-0001 Small Elevators (LULA) (14 26)

14 26 00 00-0002	EA		Small Elevators (LULA), 1,400 Lb. x 30 FPM, 2 Stops, 2 Openings	102,700.16	
			Note: 3 phase, automatic operation, includes cab interior, telephone box and telephone. 2 stops and 12 feet of rise.		
			For Each Additional Stop, Add	17,289.36	
			For Removal Of Existing Elevator, Add	7,176.05	

14 27 Custom Elevator Cabs and Doors (14 20)

14 Conveying Equipment**14 20 Elevators****14 27 Custom Elevator Cabs and Doors**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

14 27 13 Custom Elevator Cab Finishes (14 27)**14 27 13 00-0001 Custom Elevator Cab Finish Options** (14 27 13)

Note: Review elevator task modifiers for additional cab finishes.

14 27 13 00-0002 EA Intercom Service 1,588.40

14 27 13 00-0003 Custom Elevator Hall Finish Options (14 27 13)

14 27 13 00-0004 EA Stainless Steel Door, Hall Finishes 1,680.91

14 27 13 00-0005 EA Stainless Steel Frames, Hall Finishes 1,766.38

14 27 13 00-0006 EA Hall Lantern, Signal Devices 971.74

14 27 16 Custom Elevator Doors (14 27)**14 27 16 00-0001 Custom Elevator Door Options** (14 27 16)

14 27 16 00-0002 EA Center Opening, 1 Speed Doors 3,790.09

14 27 16 00-0003 EA Center Opening, 2 Speed Doors 4,758.75

14 27 16 00-0004 EA Rear Opening Doors (Opposite Front) 6,496.64

14 27 16 00-0005 EA Side Opening, 2 Speed Doors 10,114.87

14 27 16 00-0006 EA Bi-Parting Doors 11,441.86

14 27 16 00-0007 EA Power Operated Door And Gate 33,037.28

14 28 Elevator Equipment and Controls (14 20)**14 28 16 Elevator Controls** (14 28)**14 28 16 00-0001 Passenger Or Freight Elevator Options** (14 28 16)

14 28 16 00-0002 EA 2 Car Group, Elevator Automatic Controls 9,591.13 1,322.54

14 28 16 00-0003 EA 3 Car Group, Elevator Automatic Controls 14,511.99 1,982.39

14 28 16 00-0004 EA 4 Car Group, Elevator Automatic Controls 22,070.27 2,643.18

14 28 16 00-0005 EA 5 Car Group, Elevator Automatic Controls 30,725.55 3,354.77

14 28 16 00-0006 EA 6 Car Group, Elevator Automatic Controls 42,214.95 3,964.74

14 28 16 00-0007 EA Duplex Care Selective Collective 8,877.76

14 28 16 00-0008 EA Automatic Emergency Power Switching 5,772.35

14 28 16 00-0009 EA Manual Emergency Power Switching 966.05

14 28 16 00-0010 EA Up To 3, Position Indicator, Signal Devices 233.99

14 28 16 00-0011 EA >3, Position Indicator, Signal Devices 197.35

14 28 16 00-0012 EA High Speed Heavy-Duty Door Opener 3,133.90

14 28 16 00-0013 EA Variable Voltage, Overhead Gearless Machine, Minimum 57,019.92

14 28 16 00-0014 EA Variable Voltage, Overhead Gearless Machine, Average 93,159.79

14 28 16 00-0015 EA Variable Voltage, Overhead Gearless Machine, Maximum 129,121.49

14 28 16 00-0016 EA Variable Voltage, Basement Installed Geared Machine, Minimum 24,137.46

14 28 16 00-0017 EA Variable Voltage, Basement Installed Geared Machine, Average 29,379.62

14 28 16 00-0018 EA Variable Voltage, Basement Installed Geared Machine, Maximum 32,342.58

14 40 Lifts (14)**14 41 People Lifts** (14 40)**14 41 16 Endless-Belt People Lifts** (14 41)**14 41 16 00-0001 Personnel Lifts Electrically Operated** (14 41 16)

Note: 1 Or 2 person lift with vertical belt with attached foot platforms average of 36" diameter openings.

14 41 16 00-0002 EA Personnel Lifts, Electric, 1-2 Person, 3 Stops 28,590.64

For An Additional Stop, Add 816.78

For Tinted Plexiglas Enclosure, Weatherproof, Add 3,430.88

14 41 16 00-0003 EA Personnel Lifts, Electric, 1-2 Person, 5 Stops 30,075.86

For An Additional Stop, Add 816.78

For Tinted Plexiglas Enclosure, Weatherproof, Add 3,609.10

14 41 16 00-0004 EA Personnel Lifts, Electric, 1-2 Person, 7 Stops 31,561.09

For An Additional Stop, Add 816.78

For Tinted Plexiglas Enclosure, Weatherproof, Add 3,787.33

14 41 19 Stairway Chairlifts (14 41)**14 41 19 00-0001 Chair Lift-Stair Climber** (14 41 19)

Note: Includes landing, rails, lifting device and gates.

14 41 19 00-0002 EA Chair Lift, Stair Climber Per Story, Single Passenger, Indoor, 300 Lb. Capacity 8,126.90 1,167.54

Note: Includes top and bottom call button, safety chair, track, and power unit.

14 42 Wheelchair Lifts (14 40)**14 42 13 Inclined Wheelchair Lifts** (14 42)**14 42 13 00-0001 Inclined Platform Wheelchair Lift-Stair Climber** (14 42 13)

Note: Includes landing, rails, lifting device and gates.

14 42 13 00-0002 EA Inclined Wheelchair Lift, Stair Climber Per Story, Single Passenger, Indoor, 300 Lb. Capacity 15,143.98 1,751.30

Note: Includes top and bottom call button, safety chair, track, and power unit.

14 42 16 Vertical Wheelchair Lifts (14 42)

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 42 16 00-0001 Wheelchair Lift (Shorty) ^(14 42 16)		
14 42 16 00-0002 EA 36" Vertical Travel Wheelchair Platform Scissor Lift.....	9,797.67	817.28
Note: 1,000 Lb. capacity. Includes handrails and manual ramp.		
For Accordion Safety Skirt, Add	1,088.87	
For Removable Handrails, Add	110.97	
For Power Operated Ramp, Add	970.97	
14 42 16 00-0003 EA 42" Vertical Travel Wheelchair Platform Scissor Lift.....	12,052.89	1,021.59
Note: 1,000 Lb. capacity. Includes handrails and manual ramp.		
For 2,000 Lb. Capacity, Add	651.94	
For 3,000 Lb. Capacity, Add	1,088.87	
For 4,000 Lb. Capacity, Add	1,629.84	
For Accordion Safety Skirt, Add	1,088.87	
For Removable Handrails, Add	110.97	
For Power Operated Ramp, Add	970.97	
14 42 16 00-0004 EA 70" Vertical Travel Wheelchair Platform Scissor Lift.....	14,384.99	1,328.07
Note: 1,000 Lb. capacity. Includes handrails and manual ramp.		
For 2,000 Lb. Capacity, Add	651.94	
For 3,000 Lb. Capacity, Add	1,088.87	
For 4,000 Lb. Capacity, Add	1,629.84	
For Accordion Safety Skirt, Add	1,088.87	
For Removable Handrails, Add	110.97	
For Power Operated Ramp, Add	970.97	
14 42 16 00-0005 EA 84" Vertical Travel Wheelchair Platform Scissor Lift.....	16,168.60	1,532.39
Note: 1,000 Lb. capacity. Includes handrails and manual ramp.		
For 2,000 Lb. Capacity, Add	651.94	
For 3,000 Lb. Capacity, Add	1,088.87	
For 4,000 Lb. Capacity, Add	1,629.84	
For Accordion Safety Skirt, Add	1,088.87	
For Removable Handrails, Add	110.97	
For Power Operated Ramp, Add	970.97	
14 42 16 00-0006 EA 18' Travel Wheelchair Incline Lift.....	16,644.19	729.71
Note: 500 Lb. capacity, interior installation.		

14 90 Other Conveying Equipment ⁽¹⁴⁾

14 91 Facility Chutes ^(14 90)

14 91 82 Trash Chutes ^(14 91)

14 91 82 00-0001 Trash Chutes ^(14 91 82)

14 91 82 00-0002 LF 18" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports.....	45.75	6.62
For Aluminum, Add	3.31	
For Stainless Steel, Add	11.59	
14 91 82 00-0003 LF 24" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports.....	58.58	6.62
For Aluminum, Add	4.48	
For Stainless Steel, Add	15.69	
14 91 82 00-0004 LF 30" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports.....	64.56	8.27
For Aluminum, Add	4.97	
For Stainless Steel, Add	17.39	
14 91 82 00-0005 LF 36" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports.....	97.96	8.27
For Aluminum, Add	8.18	
For Stainless Steel, Add	28.64	
14 91 82 00-0006 EA Trash Chutes, Hopper	821.43	46.31
For Aluminum, Add	72.82	
For Stainless Steel, Add	254.88	
14 91 82 00-0007 EA Trash Chutes, Skylight.....	435.65	90.97
For Aluminum, Add	25.33	
For Stainless Steel, Add	88.65	
14 91 82 00-0008 EA Trash Chutes, Sprinkler Unit At Top	320.53	99.23
For Aluminum, Add	11.08	
For Stainless Steel, Add	38.79	
14 91 82 00-0009 EA Trash Chutes, Sprinkler Unit At Intake Hopper	88.91	34.73
For Aluminum, Add	1.90	
For Stainless Steel, Add	6.65	
14 91 82 00-0010 EA Refuse Type Bottom Storage Hopper Unit	730.73	124.04
For Aluminum, Add	46.86	
For Stainless Steel, Add	164.01	
14 91 82 00-0011 EA Hopper Doors	1,544.23	73.45

END OF SECTION 14

14	14	Conveying Equipment	
	14 90	Other Conveying Equipment	
	14 91	Facility Chutes	



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST

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21 Fire Suppression

21 01 Operation and Maintenance of Fire Suppression ⁽²¹⁾

21 01 10 Operation and Maintenance of Water-Based Fire-Suppression Systems ^(21 01)

See CSI section 23 01 20 00-0000 for purging of pipes and shutdown.

21 01 10 91 Water-Based Fire-Suppression Systems Restoration ^(21 01 10)

21 01 10 91-0001	Relocate Sprinkler Head And Branch Piping ^(21 01 10 91)	
	See CSI section 21 13 13 00-0024 for new wet pipe sprinkler heads (when required).	
21 01 10 91-0002	EA Relocate 1 Existing Sprinkler Head And Branch Piping.....	500.62
	Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.	
21 01 10 91-0003	EA Relocate 2 To 4 Existing Sprinkler Heads And Branch Piping.....	300.38
	Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.	
21 01 10 91-0004	EA Relocate >4 To 10 Existing Sprinkler Heads And Branch Piping.....	120.15
	Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.	
21 01 10 91-0005	EA Relocate >10 Existing Sprinkler Heads And Branch Piping.....	60.07
	Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.	

21 01 10 91-0006	Purge And Refill System Sprinkler Piping ^(21 01 10 91)	
	Note: Includes shutting off valve, draining pipe and collection of liquid, refilling with liquid and bleeding of air from system.	
21 01 10 91-0007	EA Up To 100', Up To 1-1/2" Diameter Pipe, Purge Liquid System (For Sprinkler Upgrades).....	409.02
21 01 10 91-0008	EA >100 To 250', Up To 1-1/2" Diameter Pipe, Purge Liquid System (For Sprinkler Upgrades).....	584.16
21 01 10 91-0009	EA >250 To 500', Up To 1-1/2" Diameter Pipe, Purge Liquid System (For Sprinkler Upgrades).....	699.93
21 01 10 91-0010	EA >500 To 1,000', Up To 1-1/2" Diameter Pipe, Purge Liquid System (For Sprinkler Upgrades).....	874.92
21 01 10 91-0011	EA >1,000 To 2,000', Up To 1-1/2" Diameter Pipe, Purge Liquid System (For Sprinkler Upgrades).....	1,137.39
21 01 10 91-0012	LF >2,000', Up To 1-1/2" Diameter Pipe, Purge Liquid System (For Sprinkler Upgrades).....	0.56
21 01 10 91-0013	EA Up To 100', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades).....	572.62
21 01 10 91-0014	EA >100 To 250', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades).....	817.83
21 01 10 91-0015	EA >250 To 500', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades).....	979.91
21 01 10 91-0016	EA >500 To 1,000', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades).....	1,224.88
21 01 10 91-0017	EA >1,000 To 2,000', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades).....	1,592.35
21 01 10 91-0018	LF >2,000', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades).....	0.80
21 01 10 91-0019	EA Up To 100', >3" To 6" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades).....	787.36
21 01 10 91-0020	EA >100 To 250', >3" To 6" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades).....	1,124.51
21 01 10 91-0021	EA >250 To 500', >3" To 6" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades).....	1,347.38
21 01 10 91-0022	EA >500 To 1,000', >3" To 6" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades).....	1,684.22
21 01 10 91-0023	EA >1,000 To 2,000', >3" To 6" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades).....	2,189.48
21 01 10 91-0024	LF >2,000', >3" To 6" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades).....	1.10
21 01 10 91-0025	EA Up To 100', >6" To 10" Diameter Main Piping, Purge Liquid System (For Sprinkler Upgrades).....	1,062.94
21 01 10 91-0026	EA >100 To 250', >6" To 10" Diameter Main Piping, Purge Liquid System (For Sprinkler Upgrades).....	1,518.08
21 01 10 91-0027	EA >250 To 500', >6" To 10" Diameter Main Piping, Purge Liquid System (For Sprinkler Upgrades).....	1,611.61
21 01 10 91-0028	EA >500 To 1,000', >6" To 10" Diameter Main Piping, Purge Liquid System (For Sprinkler Upgrades).....	2,014.50
21 01 10 91-0029	EA >1,000 To 2,000', >6" To 10" Diameter Main Piping, Purge Liquid System (For Sprinkler Upgrades).....	2,618.86
21 01 10 91-0030	LF >2,000', >6" To 10" Diameter Main Piping, Purge Liquid System (For Sprinkler Upgrades).....	1.31

21 01 30 Operation and Maintenance of Fire-Suppression Equipment ^(21 01)

21 01 30 91 Fire-Suppression Equipment Restoration ^(21 01 30)

21 01 30 91-0001	Inspection And Recharge ^(21 01 30 91)	
21 01 30 91-0002	EA Inspection, CO2, Carbon Dioxide	215.26
21 01 30 91-0003	LB Refill/Recharge, CO2, Carbon Dioxide	3.00
21 01 30 91-0004	EA Inspection, Halon 1301	215.26
21 01 30 91-0005	LB Refill/Recharge, Halon 1301	71.96
21 01 30 91-0006	EA Inspection, WC, Wet Chemical	130.16
21 01 30 91-0007	GAL Refill/Recharge, WC, Wet Chemical	67.46
21 01 30 91-0008	EA Inspection, DC, Dry Chemical.....	130.16
21 01 30 91-0009	LB Refill/Recharge, DC, Dry Chemical.....	6.00
21 01 30 91-0010	EA Hydrostatic Testing, All Sizes, All Agents	40.05
	See CSI section 23 05 93 00-0046 for testing existing piping systems.	
21 01 30 91-0011	EA Disarm/Arm System.....	70.09

21 05 Common Work Results for Fire Suppression ⁽²¹⁾

21 05 13 Common Motor Requirements for Fire-Suppression Equipment ^(21 05)

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. See CSI section 23 05 13 00-0000 for motor requirements.

21 05 16 Expansion Fittings and Loops for Fire-Suppression Piping ^(21 05)

See CSI section 23 05 16 00-0000 for expansion fittings and loops.

21 05 17 Sleeves and Sleeve Seals for Fire-Suppression Piping ^(21 05)

See CSI section 23 05 17 00-0000 for sleeves and sleeve seals.

21 05 19 Meters and Gages for Fire-Suppression Systems ^(21 05)

21 Fire Suppression**21 05 Common Work Results for Fire Suppression****21 05 19 Meters and Gages for Fire-Suppression Systems**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

See CSI section 33 19 00 00-0000 for water utility service metering.

21 05 19 00-0001	Fire Sprinkler System Water Pressure Gauge (21 05 19)		
21 05 19 00-0002	EA 2" Diameter Dial, 0-200 PSI, Water Pressure Gauge	48.45	12.49
	Note: For fire sprinkler systems		
21 05 19 00-0003	EA 2-1/2" Diameter Dial, 0-300 PSI, Water Pressure Gauge	50.38	12.49
	Note: For fire sprinkler systems		
21 05 19 00-0004	EA 3" Diameter Dial, 0-300 PSI, Water Pressure Gauge	59.38	12.49
	Note: For fire sprinkler systems		
21 05 19 00-0005	EA 3-1/2" Diameter Dial, 0-300 PSI, Water Pressure Gauge	63.08	12.49
	Note: For fire sprinkler systems		
21 05 19 00-0006	EA 4" Diameter Dial, 0-300 PSI, Water Pressure Gauge	66.78	12.49
	Note: For fire sprinkler systems		

21 05 19 00-0007	Fire Service Meter Cast Iron Housing (21 05 19)		
21 05 19 00-0008	EA 3" Diameter, 0 - 600 GPM Fire Service Meter Flanged, With Cast Iron Housing	8,496.36	194.52
	For >10 To 25, Deduct	-424.82	
	For >25, Deduct	-1,250.11	
21 05 19 00-0009	EA 4" Diameter, 0 - 1,000 GPM Fire Service Meter Flanged, With Cast Iron Housing	17,363.52	326.09
	For >10 To 25, Deduct	-868.18	
	For >25, Deduct	-2,563.66	
21 05 19 00-0010	EA 6" Diameter, 0 - 2,000 GPM Fire Service Meter Flanged, With Cast Iron Housing	23,503.70	462.67
	For >10 To 25, Deduct	-1,175.19	
	For >25, Deduct	-3,467.52	
21 05 19 00-0011	EA 8" Diameter, 0 - 4,000 GPM Fire Service Meter Flanged, With Cast Iron Housing	30,663.74	591.18
	For >10 To 25, Deduct	-1,533.19	
	For >25, Deduct	-4,526.12	
21 05 19 00-0012	EA 10" Diameter, 0 - 6,200 GPM Fire Service Meter Flanged, With Cast Iron Housing	43,254.12	719.71
	For >10 To 25, Deduct	-2,162.71	
	For >25, Deduct	-6,398.16	

21 05 23 General-Duty Valves for Water-Based Fire-Suppression Piping

(21 05)
See CSI section 22 05 23 00-0000 for additional valves, 23 05 23 00-0000 for additional valves.

21 05 23 00-0001	Globe Valves (21 05 23)		
21 05 23 00-0002	Threaded, 125 Lb., Bronze Body, Angle Globe Valves (21 05 23 00-0001)		
	Note: Non-rising stem		
21 05 23 00-0003	EA 1/2" Threaded, 125 Lb., Bronze Body, Angle Globe Valve (Kennedy 98SD)	65.95	12.43
21 05 23 00-0004	EA 3/4" Threaded, 125 Lb., Bronze Body, Angle Globe Valve (Kennedy 98SD)	84.22	13.04
21 05 23 00-0005	EA 1" Threaded, 125 Lb., Bronze Body, Angle Globe Valve (Kennedy 98SD)	115.37	13.04
21 05 23 00-0006	EA 1-1/4" Threaded, 125 Lb., Bronze Body, Angle Globe Valve (Kennedy 98SD)	172.63	16.53
21 05 23 00-0007	EA 1-1/2" Threaded, 125 Lb., Bronze Body, Angle Globe Valve (Kennedy 98SD)	203.04	19.13
21 05 23 00-0008	EA 2" Threaded, 125 Lb., Bronze Body, Angle Globe Valve (Kennedy 98SD)	240.51	22.61

21 05 23 00-0009	Butterfly Valves (21 05 23)		
21 05 23 00-0010	Grooved End Gear Operated Butterfly Valves (21 05 23 00-0009)		
21 05 23 00-0011	EA 2-1/2" Butterfly Valve, Grooved, With Standard Trim (Nibco GD-4765-8N)	526.37	20.25
21 05 23 00-0012	EA 3" Butterfly Valve, Grooved, With Standard Trim (Nibco GD-4765-8N)	578.30	24.26
21 05 23 00-0013	EA 4" Butterfly Valve, Grooved, With Standard Trim (Nibco GD-4765-8N)	606.81	31.93
21 05 23 00-0014	EA 6" Butterfly Valve, Grooved, With Standard Trim (Nibco GD-4765-8N)	862.21	52.29
21 05 23 00-0015	EA 8" Butterfly Valve, Grooved, With Standard Trim (Nibco GD-4765-8N)	1,241.07	73.57

21 05 23 00-0016	Grooved End, Wafer Type, Ductile Iron, Gear Operated Butterfly Valves (21 05 23 00-0009)		
21 05 23 00-0017	EA 2" Butterfly Valve, Grooved, Wafer Type, With Standard Trim (Nibco WD-3510)	528.47	16.36
21 05 23 00-0018	EA 2-1/2" Butterfly Valve, Grooved, Wafer Type, With Standard Trim (Nibco WD-3510)	538.37	20.25
21 05 23 00-0019	EA 3" Butterfly Valve, Grooved, Wafer Type, With Standard Trim (Nibco WD-3510)	594.30	24.26
21 05 23 00-0020	EA 4" Butterfly Valve, Grooved, Wafer Type, With Standard Trim (Nibco WD-3510)	616.80	31.93
21 05 23 00-0021	EA 6" Butterfly Valve, Grooved, Wafer Type, With Standard Trim (Nibco WD-3510)	860.21	52.29
21 05 23 00-0022	EA 8" Butterfly Valve, Grooved, Wafer Type, With Standard Trim (Nibco WD-3510)	1,279.06	73.57
21 05 23 00-0023	EA 10" Butterfly Valve, Grooved, Wafer Type, With Standard Trim (Nibco WD-3510)	1,979.77	99.43

21 05 23 00-0024	Check Valves (21 05 23)		
21 05 23 00-0025	Bronze Body, Threaded, 150 Lb., Swing Check Valves (21 05 23 00-0024)		
21 05 23 00-0026	EA 1/2" Swing Check Valve, Bronze, Threaded, 150 Lb. (Nibco T-433-Y)	225.54	12.43
21 05 23 00-0027	EA 3/4" Swing Check Valve, Bronze, Threaded, 150 Lb. (Nibco T-433-Y)	266.89	13.04
21 05 23 00-0028	EA 1" Swing Check Valve, Bronze, Threaded, 150 Lb. (Nibco T-433-Y)	364.47	13.04
21 05 23 00-0029	EA 1-1/4" Swing Check Valve, Bronze, Threaded, 150 Lb. (Nibco T-433-Y)	485.08	16.53
21 05 23 00-0030	EA 1-1/2" Swing Check Valve, Bronze, Threaded, 150 Lb. (Nibco T-433-Y)	634.96	19.13
21 05 23 00-0031	EA 2" Swing Check Valve, Bronze, Threaded, 150 Lb. (Nibco T-433-Y)	925.29	22.61

21 05 23 00-0032	Flanged, Iron Body, Bronze Trim, Swing Check Valves (21 05 23 00-0024)		
21 05 23 00-0033	EA 2-1/2" Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126)	1,094.74	165.91
21 05 23 00-0034	EA 3" Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126)	1,243.00	194.52
21 05 23 00-0035	EA 4" Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126)	1,734.26	326.09
21 05 23 00-0036	EA 6" Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126)	2,603.75	386.91
21 05 23 00-0037	EA 8" Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126)	4,142.10	494.39
21 05 23 00-0038	EA 10" Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126)	6,570.10	601.86

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 05 23 00-0039	EA	12" Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126).....	9,183.08	730.82
21 05 23 00-0040 Iron Body Wafer Type Check Valve (21 05 23 00-0024)				
21 05 23 00-0041	EA	2-1/2" Check Valve, Twin Disc, Iron Body Wafer Type (Nibco KW-900-W)	854.69	166.00
21 05 23 00-0042	EA	3" Check Valve, Twin Disc, Iron Body Wafer Type (Nibco KW-900-W)	984.53	194.62
21 05 23 00-0043	EA	4" Check Valve, Twin Disc, Iron Body Wafer Type (Nibco KW-900-W)	1,171.27	326.26
21 05 23 00-0044	EA	6" Check Valve, Twin Disc, Iron Body Wafer Type (Nibco KW-900-W)	1,918.39	457.92
21 05 23 00-0045	EA	8" Check Valve, Twin Disc, Iron Body Wafer Type (Nibco KW-900-W)	2,825.50	526.60
21 05 23 00-0046	EA	10" Check Valve, Twin Disc, Iron Body Wafer Type (Nibco KW-900-W)	4,136.53	57.24
21 05 23 00-0047	EA	12" Check Valve, Twin Disc, Iron Body Wafer Type (Nibco KW-900-W)	5,652.69	778.45
21 05 23 00-0048 Grooved End, Check Valves (21 05 23 00-0024)				
21 05 23 00-0049	EA	2-1/2" Check Valve, Grooved (Victaulic FireLock® 717)	467.47	20.60
21 05 23 00-0050	EA	3" Check Valve, Grooved (Victaulic FireLock® 717)	473.03	24.38
21 05 23 00-0051	EA	4" Check Valve, Grooved (Victaulic FireLock® 717)	502.13	32.04
21 05 23 00-0052	EA	6" Check Valve, Grooved (Victaulic FireLock® 717)	1,492.24	52.29
21 05 23 00-0053	EA	8" Check Valve, Grooved (Victaulic FireLock® 717)	2,073.36	73.57
21 05 23 00-0054 Gate Valves (21 05 23)				
21 05 23 00-0055 Threaded, Bronze Gate Valves (21 05 23 00-0054)				
Note: Class 175				
21 05 23 00-0056	EA	1" Threaded, Bronze Gate Valve (Crane 459)	699.01	15.53
21 05 23 00-0057	EA	1-1/4" Threaded, Bronze Gate Valve (Crane 459)	854.79	16.53
21 05 23 00-0058	EA	1-1/2" Threaded, Bronze Gate Valve (Crane 459)	1,016.80	19.13
21 05 23 00-0059	EA	2" Threaded, Bronze Gate Valve (Crane 459)	1,268.29	22.61
21 05 23 00-0060 Flanged, Cast Iron Body, Bronze Trim Gate Valves (21 05 23 00-0054)				
Note: Class 175				
21 05 23 00-0061	EA	2-1/2" Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467)	1,497.33	165.91
21 05 23 00-0062	EA	3" Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467)	1,764.10	194.52
21 05 23 00-0063	EA	4" Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467)	2,449.49	326.09
21 05 23 00-0064	EA	6" Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467)	3,660.72	386.91
21 05 23 00-0065	EA	8" Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467)	5,423.43	494.39
21 05 23 00-0066	EA	10" Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467)	9,987.94	601.86
21 05 23 00-0067	EA	12" Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467)	13,610.09	730.82
21 05 23 00-0068 Flanged, Resilient Wedge, Ductile Iron Body, Gate Valves (21 05 23 00-0054)				
Note: Class 175				
21 05 23 00-0069	EA	2-1/2" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136)	2,602.04	165.91
21 05 23 00-0070	EA	3" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136)	3,030.87	194.52
21 05 23 00-0071	EA	4" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136)	3,602.04	326.09
21 05 23 00-0072	EA	6" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136)	4,633.02	386.91
21 05 23 00-0073	EA	8" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136)	6,950.70	494.39
21 05 23 00-0074	EA	10" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136)	10,085.57	601.86
21 05 23 00-0075	EA	12" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136)	13,063.96	730.82
21 05 23 00-0076 Flanged, Resilient Wedge, Ductile Iron Body, Gate Valves (21 05 23 00-0054)				
Note: Class 250. Square operating nut actuation type.				
21 05 23 00-0077	EA	3" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100)	2,434.46	194.52
21 05 23 00-0078	EA	4" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100)	3,026.56	326.09
21 05 23 00-0079	EA	6" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100)	3,875.48	386.91
21 05 23 00-0080	EA	8" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100)	5,887.63	494.39
21 05 23 00-0081	EA	10" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100)	8,949.25	601.86
21 05 23 00-0082	EA	12" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100)	11,272.65	730.82
21 05 23 00-0083 Ball Valves (21 05 23)				
21 05 23 00-0084 Threaded, 125 Lb., Full Port, Stainless Steel Trim, Brass Body, Ball Valves (Victaulic FireLock® 728) (21 05 23 00-0083)				
21 05 23 00-0085	EA	1" Threaded, 125 Lb., Full Port, Stainless Steel Trim, Brass Body, Ball Valves (Victaulic FireLock® 728)	454.58	15.53
21 05 23 00-0086	EA	1-1/4" Threaded, 125 Lb., Full Port, Stainless Steel Trim, Brass Body, Ball Valves (Victaulic FireLock® 728)	496.84	16.53
21 05 23 00-0087	EA	1-1/2" Threaded, 125 Lb., Full Port, Stainless Steel Trim, Brass Body, Ball Valves (Victaulic FireLock® 728)	587.29	19.13
21 05 23 00-0088	EA	2" Threaded, 125 Lb., Full Port, Stainless Steel Trim, Brass Body, Ball Valves (Victaulic FireLock® 728)	706.54	22.61

21 Fire Suppression**21 05 Common Work Results for Fire Suppression****21 05 23 General-Duty Valves for Water-Based Fire-Suppression Piping**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

21 05 23 00-0089	TESTanDRAIN® Valve (21 05 23)		
21 05 23 00-0090	EA 1/4" 3-Way Globe Valve With 1/4" NPT Test Port (AGF 7600)	242.03	14.39
21 05 23 00-0091	EA 1" Threaded TESTanDRAIN® Valve (AGF 1000)	273.07	17.40
21 05 23 00-0092	EA 1-1/4" Threaded TESTanDRAIN® Valve (AGF 1000)	333.66	21.99
21 05 23 00-0093	EA 1-1/2" Threaded TESTanDRAIN® Valve (AGF 1000)	523.29	25.39
21 05 23 00-0094	EA 2" Threaded TESTanDRAIN® Valve (AGF 1000)	549.15	29.99
21 05 23 00-0095	EA 1" Threaded TESTanDRAIN® Valve With Relief Valve (AGF 1011)	385.77	17.40
21 05 23 00-0096	EA 1-1/4" Threaded TESTanDRAIN® Valve With Relief Valve (AGF 1011)	445.27	21.99
21 05 23 00-0097	EA 1-1/2" Threaded TESTanDRAIN® Valve With Relief Valve (AGF 1011)	638.29	25.39
21 05 23 00-0098	EA 2" Threaded TESTanDRAIN® Valve With Relief Valve (AGF 1011)	667.21	29.99

21 05 29 Hangers and Supports for Fire-Suppression Piping and Equipment (21 05)

See CSI section 23 05 29 00-0000 for hangers and supports.

21 05 33 Heat Tracing for Fire-Suppression Piping (21 05)

See CSI section 23 83 13 13-0000 for heat tracing cables.

21 05 48 Vibration and Seismic Controls for Fire-Suppression Piping and Equipment (21 05)

21 05 48 13 Vibration Controls for Fire-Suppression Piping and Equipment (21 05 48)

See CSI section 23 05 48 13-0000 for vibration and seismic control.

21 05 53 Identification for Fire-Suppression Piping and Equipment (21 05)

See CSI section 23 05 53 00-0000 for identification.

21 07 Fire-Suppression Systems Insulation (21)

21 07 16 Fire-Suppression Equipment Insulation (21 07)

See CSI section 23 07 16 00-0000 for fire-suppression equipment insulation.

21 07 19 Fire-Suppression Piping Insulation (21 07)

See CSI section 22 07 19 00-0000 for fire-suppression piping insulation.

21 10 Water-Based Fire-Suppression Systems (21)

See CSI section 22 11 16 00-0383 for copper pipe, 22 11 16 00-0927 for CPVC pipe, 23 05 23 00-0037 for OS&Y gate valves, 23 21 13 23-0000 for black steel piping.

21 11 Facility Fire-Suppression Water-Service Piping (21 10)

21 11 19 Fire-Department Connections (21 11)

21 11 19 00-0001 Fire Department Connections (21 11 19)

21 11 19 00-0002	EA 4" x 2-1/2" x 2-1/2" Siamese Connection, Polished Brass	1,009.84	321.90
	For Polished Chrome, Add	65.27	
21 11 19 00-0003	EA 6" x 2-1/2" x 2-1/2" Siamese Connection, Polished Brass	1,409.15	402.38
	For Polished Chrome, Add	99.91	
21 11 19 00-0004	EA 4" x 3" x 3" Siamese Connection, Polished Brass	1,500.26	321.90
	For Polished Chrome, Add	126.55	
21 11 19 00-0005	EA 6" x 3" x 3" Siamese Connection, Polished Brass	1,984.62	402.38
	For Polished Chrome, Add	171.84	
21 11 19 00-0006	EA 6" x 2-1/2" x 2-1/2" x 2-1/2" Siamese Connection, Three Way, Polished Brass	2,125.30	402.38
	For Polished Chrome, Add	189.43	
21 11 19 00-0007	EA Sidewalk Type Connection With Plug And Chain, Polished Brass	1,813.68	425.86
	For Polished Chrome, Add	146.09	
21 11 19 00-0008	EA Wall Type Connection With Plug And Chain, Polished Brass	1,158.23	321.90
	For Polished Chrome, Add	83.82	

21 11 19 00-0009 Wall Type Indicator Post, Wheel Operated (21 11 19)

See CSI section 33 14 19 00-0169 for adjustable indicator post accessory for ground valves.

21 11 19 00-0010	EA Wall Type Indicator Post With Wall Flange For Valve (Victaulic 773)	2,623.26	326.09
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21 11 19 00-0011 Upright Indicator Post, Wheel Operated (21 11 19)

21 11 19 00-0012	EA Upright Indicator Post With Flange For Valve (Victaulic 774)	6,910.64	326.09
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21 12 Fire-Suppression Standpipes (21 10)

See CSI section 23 21 13 23-0000 for black steel pipe.

21 12 13 Fire-Suppression Hoses and Nozzles (21 12)

21 12 13 00-0001 Fire Hose (21 12 13)

21 12 13 00-0002 Fire Hose Without Couplings (21 12 13 00-0001)

21 12 13 00-0003	LF 1-1/2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	2.61	2.01
21 12 13 00-0004	LF 2-1/2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	3.03	2.01
21 12 13 00-0005	LF 2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	2.76	2.01
21 12 13 00-0006	LF 3" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	3.22	2.01
21 12 13 00-0007	LF 1-1/2" Cotton Fire Hose, 300 Lb. Test With 1-1/2" Rubber Lining Without Couplings	2.94	2.01
21 12 13 00-0008	LF 2-1/2" Cotton Fire Hose, 300 Lb. Test With 1-1/2" Rubber Lining Without Couplings	3.63	2.01

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 12 13 00-0009	LF	1-1/2" Cotton Fire Hose, 400 Lb. Test With 1-1/2" Rubber Lining Without Couplings.....	3.03	2.01
21 12 13 00-0010	LF	2-1/2" Cotton Fire Hose, 400 Lb. Test With 1-1/2" Rubber Lining Without Couplings.....	3.84	2.01
21 12 13 00-0011		Fire Hose With Aluminum Couplings (21 12 13 00-0001)		
21 12 13 00-0012	LF	1-3/4" Polyester Fire Hose With Rubber Lining With Aluminum Couplings.....	8.03	1.10
21 12 13 00-0013	LF	2-1/2" Polyester Fire Hose With Rubber Lining With Aluminum Couplings.....	10.13	1.30
21 12 13 00-0014	LF	3-1/2" Polyester Fire Hose With Rubber Lining With Aluminum Couplings.....	17.78	1.30
21 12 13 00-0015		Fire Hose Accessories (21 12 13 00-0001)		
21 12 13 00-0016	EA	Hose Coupling With 1-1/2" Pin Lug.....	246.14	33.04
21 12 13 00-0017	EA	Hose Coupling With 2-1/2" Pin Lug.....	394.32	37.05
21 12 13 00-0018	EA	1-1/2" x 10" Brass Straight Nozzle.....	87.62	26.03
21 12 13 00-0019	EA	2-1/2" x 12" Brass Straight Nozzle.....	176.28	26.03
21 12 13 00-0020	EA	1-1/2" Brass Fog Type Nozzle.....	139.61	26.03
21 12 13 00-0021	EA	2-1/2" Brass Fog Type Nozzle.....	201.72	26.03
21 12 13 00-0022	EA	1-1/2" Brass 100' Hose Rack.....	299.63	110.13
21 12 13 00-0023	EA	2-1/2" Brass 100' Hose Rack.....	421.31	110.13
21 12 23		Fire-Suppression Hose Valves (21 12)		
21 12 23 00-0001		Standpipe Valves (21 12 23)		
21 12 23 00-0002	EA	2-1/2" Fire Department Valve, Polished Brass With Plug And Chain.....	851.54	212.94
		<i>For Polished Chrome, Add</i>	79.36	
21 12 23 00-0003	EA	2-1/2" x 2-1/2" x 4" Fire Department Valve, Flush, Polished Brass.....	1,477.80	212.84
		<i>For Polished Chrome, Add</i>	173.30	
21 12 23 00-0004	EA	2-1/2" x 2-1/2" x 6" Fire Department Valve, Flush, Polished Brass.....	1,942.38	230.23
		<i>For Polished Chrome, Add</i>	239.02	
21 12 23 00-0005	EA	3" x 3" x 4" Fire Department Valve, Flush, Polished Brass.....	2,380.26	212.84
		<i>For Polished Chrome, Add</i>	308.67	
21 12 23 00-0006	EA	3" x 3" x 6" Fire Department Valve, Flush, Polished Brass.....	2,812.14	230.23
		<i>For Polished Chrome, Add</i>	369.48	
21 12 23 00-0007	EA	2-1/2" x 2-1/2" x 4" Fire Department Valve, Projecting, Polished Brass.....	1,381.89	212.84
		<i>For Polished Chrome, Add</i>	158.91	
21 12 23 00-0008	EA	2-1/2" x 2-1/2" x 6" Fire Department Valve, Projecting, Polished Brass.....	2,092.79	230.23
		<i>For Polished Chrome, Add</i>	261.58	
21 12 23 00-0009	EA	2-1/2" x 2-1/2" x 2-1/2" x 4" Fire Department Valve, Flush, Polished Brass.....	2,741.64	219.73
		<i>For Polished Chrome, Add</i>	289.05	
21 12 23 00-0010	EA	2-1/2" x 2-1/2" x 2-1/2" x 6" Fire Department Valve, Flush, Polished Brass.....	3,983.02	244.13
		<i>For Polished Chrome, Add</i>	433.57	
21 12 23 00-0011	EA	2-1/2" x 2-1/2" x 2-1/2" x 4" Fire Department Valve, Projecting, Polished Brass.....	2,957.45	219.73
		<i>For Polished Chrome, Add</i>	314.94	
21 12 23 00-0012	EA	2-1/2" x 2-1/2" x 2-1/2" x 6" Fire Department Valve, Projecting, Polished Brass.....	4,308.17	244.13
		<i>For Polished Chrome, Add</i>	472.59	
21 12 23 00-0013	EA	2-1/2" x 2-1/2" x 2-1/2" x 6" Fire Department Valve, Square, Flush, Polished Brass.....	12,293.14	292.91
		<i>For Polished Chrome, Add</i>	1,184.92	
21 12 23 00-0014		Fire Hose Angle Valves (21 12 23)		
21 12 23 00-0015	EA	1-1/2", 300 Lb. Rated, Cast Brass, Fire Hose Angle Valve.....	225.98	27.04
21 12 23 00-0016	EA	1-1/2", 300 Lb. Rated, Polished Brass, Fire Hose Angle Valve.....	272.39	27.04
21 12 23 00-0017	EA	1-1/2", 300 Lb. Rated, Rough Chrome Plated, Fire Hose Angle Valve.....	255.51	27.04
21 12 23 00-0018	EA	1-1/2", 300 Lb. Rated, Polished Chrome Plated, Fire Hose Angle Valve.....	301.92	27.04
21 12 23 00-0019	EA	2-1/2", 300 Lb. Rated, Cast Brass, Fire Hose Angle Valve.....	403.64	45.06
21 12 23 00-0020	EA	2-1/2", 300 Lb. Rated, Polished Brass, Fire Hose Angle Valve.....	471.13	45.06
21 12 23 00-0021	EA	2-1/2", 300 Lb. Rated, Rough Chrome Plated, Fire Hose Angle Valve.....	476.76	45.06
21 12 23 00-0022	EA	2-1/2", 300 Lb. Rated, Polished Chrome Plated, Fire Hose Angle Valve.....	544.26	45.06
21 12 29		Fire-Suppression Fire Hose Equipment (21 12)		
21 12 29 00-0001		Standpipe And Fire Hose Equipment (21 12 29)		
21 12 29 00-0002	EA	2-1/2" x 2-1/2" x 2-1/2" x 4" Manifold Roof Type, Vertical, Polished Brass.....	4,023.72	527.84
21 12 29 00-0003	EA	Water Motor Gong.....	1,426.52	151.89
21 12 29 00-0004	EA	Fire Riser Flow Switch (National Fire Protection Association 13).....	1,394.95	17.67
21 12 29 00-0005	EA	Water Flow Supervisory (Tammer) Switch Mounted On Valve.....	243.59	30.23
21 12 29 00-0006		Water Flow Detector (21 12 29)		
21 12 29 00-0007		Pressure-Type Water Flow Detector (21 12 29 00-0006)		
21 12 29 00-0008	EA	Pressure-Type Water Flow Detector For Up To 2-1/2" Pipe.....	376.45	93.01
21 12 29 00-0009	EA	Pressure-Type Water Flow Detector For >2-1/2" To 4" Pipe.....	548.61	123.25
21 12 29 00-0010	EA	Pressure-Type Water Flow Detector For >4" To 8" Pipe.....	877.16	139.52
21 12 29 00-0011		Vane-Type Water Flow Detector (21 12 29 00-0006)		
21 12 29 00-0012	EA	Vane-Type Water Flow Detector For Up To 2-1/2" Pipe.....	479.49	93.01
21 12 29 00-0013	EA	Vane-Type Water Flow Detector For >2-1/2" To 4" Pipe.....	674.84	123.25
21 12 29 00-0014	EA	Vane-Type Water Flow Detector For >4" To 8" Pipe.....	1,077.26	139.52

21 13 Fire-Suppression Sprinkler Systems (21 10)

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
21 13 13 Wet-Pipe Sprinkler Systems (21 13)**21 13 13 00-0001 Complete Wet Pipe Sprinkler Systems Assemblies (21 13 13)**

Note: Includes all branch line piping (standard weight threaded black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc.) from riser pipe and mains. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks. Not for use where detail is available. For sprinkler repairs or sprinkler head replacements use specific pipe, fittings, hangers, valves, and sprinkler head components. See CSI section 23 21 13 23-1440 for individual grooved pipe, 23 21 13 23-1513 for individual grooved pipe fittings.

21 13 13 00-0002 Light Hazard, Complete Wet-Pipe Sprinkler System Assemblies (21 13 13 00-0001)

21 13 13 00-0003 EA Exposed Piping, Light Hazard, Per Head, Complete Wet-Pipe Sprinkler System Assembly 890.82
 Note: Includes branch pipe and fittings, supports and sprinkler heads.

For Copper Pipe, Add 117.57
 For Polyvinyl Chloride (PVC) Pipe, Deduct -162.11
 For Up To 5, Add 388.43
 For >5 To 10, Add 226.31
 For >10 To 20, Add 137.23
 For >20 To 40, Add 60.59
 For >100 To 150, Deduct -89.08
 For >150, Deduct -178.16

21 13 13 00-0004 EA Concealed Piping, Light Hazard, Per Head, Complete Wet-Pipe Sprinkler System Assembly 1,089.09
 Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.

For Copper Pipe, Add 139.73
 For Polyvinyl Chloride (PVC) Pipe, Deduct -194.18
 For Up To 5, Add 482.91
 For >5 To 10, Add 288.72
 For >10 To 20, Add 179.81
 For >20 To 40, Add 78.09
 For >100 To 150, Deduct -108.91
 For >150, Deduct -217.82
 For Work In Restricted Working Space, Add 141.81

21 13 13 00-0005 Ordinary Hazard, Complete Wet-Pipe Sprinkler System Assemblies (21 13 13 00-0001)

21 13 13 00-0006 EA Exposed Piping, Ordinary Hazard, Per Head, Complete Wet-Pipe Sprinkler System Assembly 869.32
 Note: Includes branch pipe and fittings, supports and sprinkler heads.

For Copper Pipe, Add 114.54
 For Polyvinyl Chloride (PVC) Pipe, Deduct -158.01
 For Up To 5, Add 379.44
 For >5 To 10, Add 221.44
 For >10 To 20, Add 134.50
 For >20 To 40, Add 59.32
 For >100 To 150, Deduct -86.93
 For >150, Deduct -173.86

21 13 13 00-0007 EA Concealed Piping, Ordinary Hazard, Per Head, Complete Wet-Pipe Sprinkler System Assembly 1,058.61
 Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.

For Copper Pipe, Add 135.47
 For Polyvinyl Chloride (PVC) Pipe, Deduct -188.40
 For Up To 5, Add 470.09
 For >5 To 10, Add 281.69
 For >10 To 20, Add 175.83
 For >20 To 40, Add 76.25
 For >100 To 150, Deduct -105.86
 For >150, Deduct -211.72
 For Work In Restricted Working Space, Add 139.94

21 13 13 00-0008 Extra Hazard, Complete Wet-Pipe Sprinkler System Assemblies (21 13 13 00-0001)

21 13 13 00-0009 EA Exposed Piping, Extra Hazard, Per Head, Complete Wet-Pipe Sprinkler System Assembly 801.06
 Note: Includes branch pipe and fittings, supports and sprinkler heads.

For Copper Pipe, Add 105.39
 For Polyvinyl Chloride (PVC) Pipe, Deduct -145.44
 For Up To 5, Add 349.96
 For >5 To 10, Add 204.52
 For >10 To 20, Add 124.41
 For >20 To 40, Add 54.82
 For >100 To 150, Deduct -80.11
 For >150, Deduct -160.21

21 13 13 00-0010 EA Concealed Piping, Extra Hazard, Per Head, Complete Wet-Pipe Sprinkler System Assembly 977.75
 Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.

For Copper Pipe, Add 124.94
 For Polyvinyl Chloride (PVC) Pipe, Deduct -173.82
 For Up To 5, Add 434.55
 For >5 To 10, Add 260.73
 For >10 To 20, Add 162.96
 For >20 To 40, Add 70.61
 For >100 To 150, Deduct -97.78
 For >150, Deduct -195.55
 For Work In Restricted Working Space, Add 130.36

21 13 13 00-0011 Wet Pipe Sprinkler Components (21 13 13)

Note: Excludes hydraulic calculations.

21 13 13 00-0012 Wet Pipe Alarm Check Valves (21 13 13 00-0011)

Note: Excludes trim package See CSI section 21 13 13 00-0018 for Wet Pipe Valve Trim.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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21 13 13 00-0013	EA		2-1/2" Wet Pipe Alarm Check Valve	1,924.61	127.89
21 13 13 00-0014	EA		3" Wet Pipe Alarm Check Valve	1,961.82	146.49
21 13 13 00-0015	EA		4" Wet Pipe Alarm Check Valve	2,166.45	248.82
21 13 13 00-0016	EA		6" Wet Pipe Alarm Check Valve	2,066.50	313.92
21 13 13 00-0017	EA		8" Wet Pipe Alarm Check Valve	3,746.50	397.63

21 13 13 00-0018

Wet Pipe Valve Trim (21 13 13 00-0011)

Note: Vertical or Horizontal, closed drain, basic galvanized trim assembly package. Includes gauges, pressure switch, relief valve, drain line, and retard chamber.

21 13 13 00-0019	EA		2-1/2" Wet Pipe Valve Trim.....	1,740.15	270.67
21 13 13 00-0020	EA		3" Wet Pipe Valve Trim.....	1,845.42	270.67
21 13 13 00-0021	EA		4" Wet Pipe Valve Trim.....	2,202.97	371.12
21 13 13 00-0022	EA		6" Wet Pipe Valve Trim.....	2,550.09	516.22
21 13 13 00-0023	EA		8" Wet Pipe Valve Trim.....	2,754.72	639.00

21 13 13 00-0024

Wet Pipe Sprinkler Heads (21 13 13 00-0011)

21 13 13 00-0025

Upright Wet Pipe Sprinkler Heads (21 13 13 00-0024)

21 13 13 00-0026	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Upright Brass Wet Pipe Sprinkler Head	79.42	11.26
			For >25 To 50, Deduct	-2.25	
			For >50 To 100, Deduct	-6.22	
			For >100 To 500, Deduct	-11.05	
			For >500 To 1,000, Deduct	-21.96	
			For >1,000, Deduct	-30.97	
21 13 13 00-0027	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Upright Chrome Wet Pipe Sprinkler Head.....	82.92	11.26
			For >25 To 50, Deduct	-2.25	
			For >50 To 100, Deduct	-6.40	
			For >100 To 500, Deduct	-11.49	
			For >500 To 1,000, Deduct	-22.59	
			For >1,000, Deduct	-31.60	
21 13 13 00-0028	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	85.15	11.26
			For >25 To 50, Deduct	-2.25	
			For >50 To 100, Deduct	-6.51	
			For >100 To 500, Deduct	-11.77	
			For >500 To 1,000, Deduct	-22.99	
			For >1,000, Deduct	-32.00	
21 13 13 00-0029	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Upright Brass Wet Pipe Sprinkler Head.....	81.17	11.26
			For >25 To 50, Deduct	-2.25	
			For >50 To 100, Deduct	-6.31	
			For >100 To 500, Deduct	-11.27	
			For >500 To 1,000, Deduct	-22.27	
			For >1,000, Deduct	-31.28	
21 13 13 00-0030	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Upright Chrome Wet Pipe Sprinkler Head	84.81	11.26
			For >25 To 50, Deduct	-2.25	
			For >50 To 100, Deduct	-6.49	
			For >100 To 500, Deduct	-11.73	
			For >500 To 1,000, Deduct	-22.93	
			For >1,000, Deduct	-31.94	
21 13 13 00-0031	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	87.14	11.26
			For >25 To 50, Deduct	-2.25	
			For >50 To 100, Deduct	-6.61	
			For >100 To 500, Deduct	-12.02	
			For >500 To 1,000, Deduct	-23.35	
			For >1,000, Deduct	-32.36	
21 13 13 00-0032	EA		1/2" NPT Thread, 3/8" Orifice, Quick Response, Upright Brass Wet Pipe Sprinkler Head	104.09	11.26
			For >25 To 50, Deduct	-2.25	
			For >50 To 100, Deduct	-7.46	
			For >100 To 500, Deduct	-14.14	
			For >500 To 1,000, Deduct	-26.40	
			For >1,000, Deduct	-35.41	
21 13 13 00-0033	EA		1/2" NPT Thread, 3/8" Orifice, Quick Response, Upright Chrome Wet Pipe Sprinkler Head.....	113.47	11.26
			For >25 To 50, Deduct	-2.25	
			For >50 To 100, Deduct	-7.93	
			For >100 To 500, Deduct	-15.31	
			For >500 To 1,000, Deduct	-28.08	
			For >1,000, Deduct	-37.10	
21 13 13 00-0034	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Upright Brass Wet Pipe Sprinkler Head	104.09	11.26
			For >25 To 50, Deduct	-2.25	
			For >50 To 100, Deduct	-7.46	
			For >100 To 500, Deduct	-14.14	
			For >500 To 1,000, Deduct	-26.40	
			For >1,000, Deduct	-35.41	
21 13 13 00-0035	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Upright Chrome Wet Pipe Sprinkler Head	113.47	11.26
			For >25 To 50, Deduct	-2.25	
			For >50 To 100, Deduct	-7.93	
			For >100 To 500, Deduct	-15.31	
			For >500 To 1,000, Deduct	-28.08	
			For >1,000, Deduct	-37.10	
21 13 13 00-0036	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Upright Brass Wet Pipe Sprinkler Head.....	91.95	11.26
			For >25 To 50, Deduct	-2.25	
			For >50 To 100, Deduct	-6.85	
			For >100 To 500, Deduct	-12.62	
			For >500 To 1,000, Deduct	-24.21	
			For >1,000, Deduct	-33.22	

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
21 13 13 00-0037	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Upright Chrome Wet Pipe Sprinkler Head.....	96.53		11.26
	For >25 To 50, Deduct	-2.25		
	For >50 To 100, Deduct	-7.08		
	For >100 To 500, Deduct	-13.19		
	For >500 To 1,000, Deduct	-25.04		
	For >1,000, Deduct	-34.05		
21 13 13 00-0038	EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Upright Brass Wet Pipe Sprinkler Head	91.85		12.51
	For >25 To 50, Deduct	-2.50		
	For >50 To 100, Deduct	-7.10		
	For >100 To 500, Deduct	-12.73		
	For >500 To 1,000, Deduct	-25.04		
	For >1,000, Deduct	-35.06		
21 13 13 00-0039	EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Upright Chrome Wet Pipe Sprinkler Head.....	97.20		12.51
	For >25 To 50, Deduct	-2.50		
	For >50 To 100, Deduct	-7.36		
	For >100 To 500, Deduct	-13.40		
	For >500 To 1,000, Deduct	-26.01		
	For >1,000, Deduct	-36.02		
21 13 13 00-0040	EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	98.29		12.51
	For >25 To 50, Deduct	-2.50		
	For >50 To 100, Deduct	-7.42		
	For >100 To 500, Deduct	-13.54		
	For >500 To 1,000, Deduct	-26.20		
	For >1,000, Deduct	-36.21		
21 13 13 00-0041	EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Upright Brass Wet Pipe Sprinkler Head	91.85		12.51
	For >25 To 50, Deduct	-2.50		
	For >50 To 100, Deduct	-7.10		
	For >100 To 500, Deduct	-12.73		
	For >500 To 1,000, Deduct	-25.04		
	For >1,000, Deduct	-35.06		
21 13 13 00-0042	EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Upright Chrome Wet Pipe Sprinkler Head.....	97.20		12.51
	For >25 To 50, Deduct	-2.50		
	For >50 To 100, Deduct	-7.36		
	For >100 To 500, Deduct	-13.40		
	For >500 To 1,000, Deduct	-26.01		
	For >1,000, Deduct	-36.02		
21 13 13 00-0043	EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	98.29		12.51
	For >25 To 50, Deduct	-2.50		
	For >50 To 100, Deduct	-7.42		
	For >100 To 500, Deduct	-13.54		
	For >500 To 1,000, Deduct	-26.20		
	For >1,000, Deduct	-36.21		
21 13 13 00-0044	EA 1/2" NPT Thread, 3/8" Orifice, K=2.8, Upright Brass Wet Pipe Sprinkler Head	89.53		11.26
	For >25 To 50, Deduct	-2.25		
	For >50 To 100, Deduct	-6.73		
	For >100 To 500, Deduct	-12.32		
	For >500 To 1,000, Deduct	-23.78		
	For >1,000, Deduct	-32.79		
21 13 13 00-0045	EA 1/2" NPT Thread, 3/8" Orifice, K=2.8, Upright Chrome Wet Pipe Sprinkler Head.....	93.02		11.26
	For >25 To 50, Deduct	-2.25		
	For >50 To 100, Deduct	-6.90		
	For >100 To 500, Deduct	-12.75		
	For >500 To 1,000, Deduct	-24.40		
	For >1,000, Deduct	-33.42		
21 13 13 00-0046	EA 1/2" NPT Thread, 3/8" Orifice, K=2.8, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	93.70		11.26
	For >25 To 50, Deduct	-2.25		
	For >50 To 100, Deduct	-6.94		
	For >100 To 500, Deduct	-12.84		
	For >500 To 1,000, Deduct	-24.53		
	For >1,000, Deduct	-33.54		
21 13 13 00-0047	EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Upright Brass Wet Pipe Sprinkler Head	89.53		11.26
	For >25 To 50, Deduct	-2.25		
	For >50 To 100, Deduct	-6.73		
	For >100 To 500, Deduct	-12.32		
	For >500 To 1,000, Deduct	-23.78		
	For >1,000, Deduct	-32.79		
21 13 13 00-0048	EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Upright Chrome Wet Pipe Sprinkler Head.....	93.02		11.26
	For >25 To 50, Deduct	-2.25		
	For >50 To 100, Deduct	-6.90		
	For >100 To 500, Deduct	-12.75		
	For >500 To 1,000, Deduct	-24.40		
	For >1,000, Deduct	-33.42		
21 13 13 00-0049	EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	93.70		11.26
	For >25 To 50, Deduct	-2.25		
	For >50 To 100, Deduct	-6.94		
	For >100 To 500, Deduct	-12.84		
	For >500 To 1,000, Deduct	-24.53		
	For >1,000, Deduct	-33.54		
21 13 13 00-0050	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Combustible Concealed Space, Upright Brass Wet Pipe Sprinkler Head	93.69		11.26
	For >25 To 50, Deduct	-2.25		
	For >50 To 100, Deduct	-6.94		
	For >100 To 500, Deduct	-12.84		
	For >500 To 1,000, Deduct	-24.52		
	For >1,000, Deduct	-33.54		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0051	EA	3/4" NPT Thread, K=14.0, Extended Coverage, Upright Brass Wet Pipe Sprinkler Head	129.38	12.51	
		For >25 To 50, Deduct	-2.50		
		For >50 To 100, Deduct	-8.97		
		For >100 To 500, Deduct	-17.42		
		For >500 To 1,000, Deduct	-31.80		
		For >1,000, Deduct	-41.81		
21 13 13 00-0052	EA	3/4" NPT Thread, K=14.0, Extended Coverage, Upright Chrome Wet Pipe Sprinkler Head.....	133.41	12.51	
		For >25 To 50, Deduct	-2.50		
		For >50 To 100, Deduct	-9.17		
		For >100 To 500, Deduct	-17.93		
		For >500 To 1,000, Deduct	-32.52		
		For >1,000, Deduct	-42.54		
21 13 13 00-0053	EA	3/4" NPT Thread, K=14.0, Extended Coverage, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	133.41	12.51	
		For >25 To 50, Deduct	-2.50		
		For >50 To 100, Deduct	-9.17		
		For >100 To 500, Deduct	-17.93		
		For >500 To 1,000, Deduct	-32.52		
		For >1,000, Deduct	-42.54		
21 13 13 00-0054	EA	3/4" NPT Thread, K=11.2, Extended Coverage, Upright Brass Wet Pipe Sprinkler Head	102.23	12.51	
		For >25 To 50, Deduct	-2.50		
		For >50 To 100, Deduct	-7.61		
		For >100 To 500, Deduct	-14.03		
		For >500 To 1,000, Deduct	-26.91		
		For >1,000, Deduct	-36.92		
21 13 13 00-0055	EA	3/4" NPT Thread, K=11.2, Extended Coverage, Upright Chrome Wet Pipe Sprinkler Head.....	104.99	12.51	
		For >25 To 50, Deduct	-2.50		
		For >50 To 100, Deduct	-7.75		
		For >100 To 500, Deduct	-14.38		
		For >500 To 1,000, Deduct	-27.41		
		For >1,000, Deduct	-37.42		
21 13 13 00-0056	EA	3/4" NPT Thread, K=11.2, Extended Coverage, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	104.99	12.51	
		For >25 To 50, Deduct	-2.50		
		For >50 To 100, Deduct	-7.75		
		For >100 To 500, Deduct	-14.38		
		For >500 To 1,000, Deduct	-27.41		
		For >1,000, Deduct	-37.42		
21 13 13 00-0057	EA	1/2" NPT Thread, K=5.6, Quick Response, Upright Stainless Steel Wet Pipe Sprinkler Head	331.80	11.26	
		For >25 To 50, Deduct	-2.25		
		For >50 To 100, Deduct	-18.84		
		For >100 To 500, Deduct	-42.60		
		For >500 To 1,000, Deduct	-67.38		
		For >1,000, Deduct	-76.40		
21 13 13 00-0058	EA	3/4" NPT Thread, K=8.0, Quick Response, Upright Stainless Steel Wet Pipe Sprinkler Head	365.22	12.51	
		For >25 To 50, Deduct	-2.50		
		For >50 To 100, Deduct	-20.76		
		For >100 To 500, Deduct	-46.90		
		For >500 To 1,000, Deduct	-74.25		
		For >1,000, Deduct	-84.26		
21 13 13 00-0059	EA	1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Upright Brass Wet Pipe Sprinkler Head	170.61	11.26	
		For >25 To 50, Deduct	-2.25		
		For >50 To 100, Deduct	-10.78		
		For >100 To 500, Deduct	-22.45		
		For >500 To 1,000, Deduct	-38.37		
		For >1,000, Deduct	-47.38		
21 13 13 00-0060	EA	1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Upright Chrome Wet Pipe Sprinkler Head	212.61	11.26	
		For >25 To 50, Deduct	-2.25		
		For >50 To 100, Deduct	-12.88		
		For >100 To 500, Deduct	-27.70		
		For >500 To 1,000, Deduct	-45.93		
		For >1,000, Deduct	-54.94		
21 13 13 00-0061	EA	1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Upright Brass Wet Pipe Sprinkler Head	388.21	11.26	
		For >25 To 50, Deduct	-2.25		
		For >50 To 100, Deduct	-21.66		
		For >100 To 500, Deduct	-49.65		
		For >500 To 1,000, Deduct	-77.54		
		For >1,000, Deduct	-86.55		
21 13 13 00-0062	EA	1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Upright Chrome Wet Pipe Sprinkler Head	497.64	11.26	
		For >25 To 50, Deduct	-2.25		
		For >50 To 100, Deduct	-27.14		
		For >100 To 500, Deduct	-63.33		
		For >500 To 1,000, Deduct	-97.24		
		For >1,000, Deduct	-106.25		
21 13 13 00-0063	EA	3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Upright Brass Wet Pipe Sprinkler Head	217.61	12.51	
		For >25 To 50, Deduct	-2.50		
		For >50 To 100, Deduct	-13.38		
		For >100 To 500, Deduct	-28.45		
		For >500 To 1,000, Deduct	-47.68		
		For >1,000, Deduct	-57.69		
21 13 13 00-0064	EA	3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Upright Chrome Wet Pipe Sprinkler Head	218.88	12.51	
		For >25 To 50, Deduct	-2.50		
		For >50 To 100, Deduct	-13.45		
		For >100 To 500, Deduct	-28.61		
		For >500 To 1,000, Deduct	-47.91		
		For >1,000, Deduct	-57.92		

21 13 13 00-0065 Conventional Wet Pipe Sprinkler Heads (21 13 13 00-0024)

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

21 13 13 00-0066	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Conventional Brass Wet Pipe Sprinkler Head.....	79.42	11.26
	For >25 To 50, Deduct	-2.25	
	For >50 To 100, Deduct	-6.22	
	For >100 To 500, Deduct	-11.05	
	For >500 To 1,000, Deduct	-21.96	
	For >1,000, Deduct	-30.97	
21 13 13 00-0067	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Conventional Chrome Wet Pipe Sprinkler Head	82.92	11.26
	For >25 To 50, Deduct	-2.25	
	For >50 To 100, Deduct	-6.40	
	For >100 To 500, Deduct	-11.49	
	For >500 To 1,000, Deduct	-22.59	
	For >1,000, Deduct	-31.60	
21 13 13 00-0068	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Conventional White Polyester Coated Wet Pipe Sprinkler Head.....	85.15	11.26
	For >25 To 50, Deduct	-2.25	
	For >50 To 100, Deduct	-6.51	
	For >100 To 500, Deduct	-11.77	
	For >500 To 1,000, Deduct	-22.99	
	For >1,000, Deduct	-32.00	
21 13 13 00-0069	EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Conventional Brass Wet Pipe Sprinkler Head.....	93.10	12.51
	For >25 To 50, Deduct	-2.50	
	For >50 To 100, Deduct	-7.16	
	For >100 To 500, Deduct	-12.89	
	For >500 To 1,000, Deduct	-25.27	
	For >1,000, Deduct	-35.28	
21 13 13 00-0070	EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Conventional Chrome Wet Pipe Sprinkler Head	97.20	12.51
	For >25 To 50, Deduct	-2.50	
	For >50 To 100, Deduct	-7.36	
	For >100 To 500, Deduct	-13.40	
	For >500 To 1,000, Deduct	-26.01	
	For >1,000, Deduct	-36.02	
21 13 13 00-0071	EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Conventional White Polyester Coated Wet Pipe Sprinkler Head	97.84	12.51
	For >25 To 50, Deduct	-2.50	
	For >50 To 100, Deduct	-7.40	
	For >100 To 500, Deduct	-13.48	
	For >500 To 1,000, Deduct	-26.12	
	For >1,000, Deduct	-36.13	
21 13 13 00-0072	EA 1/2" NPT Thread, K=5.6, Quick Response, Conventional Stainless Steel Wet Pipe Sprinkler Head	331.80	11.26
	For >25 To 50, Deduct	-2.25	
	For >50 To 100, Deduct	-18.84	
	For >100 To 500, Deduct	-42.60	
	For >500 To 1,000, Deduct	-67.38	
	For >1,000, Deduct	-76.40	

21 13 13 00-0073 Pendant Wet Pipe Sprinkler Heads (21 13 13 00-0024)

See CSI section 21 13 13 00-0209 for escutcheon for recessed pendent sprinkler head.

21 13 13 00-0074	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent Brass Wet Pipe Sprinkler Head.....	79.42	11.26
	For >25 To 50, Deduct	-2.25	
	For >50 To 100, Deduct	-6.22	
	For >100 To 500, Deduct	-11.05	
	For >500 To 1,000, Deduct	-21.96	
	For >1,000, Deduct	-30.97	
21 13 13 00-0075	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent Chrome Wet Pipe Sprinkler Head	82.92	11.26
	For >25 To 50, Deduct	-2.25	
	For >50 To 100, Deduct	-6.40	
	For >100 To 500, Deduct	-11.49	
	For >500 To 1,000, Deduct	-22.59	
	For >1,000, Deduct	-31.60	
21 13 13 00-0076	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent White Polyester Coated Wet Pipe Sprinkler Head	85.15	11.26
	For >25 To 50, Deduct	-2.25	
	For >50 To 100, Deduct	-6.51	
	For >100 To 500, Deduct	-11.77	
	For >500 To 1,000, Deduct	-22.99	
	For >1,000, Deduct	-32.00	
21 13 13 00-0077	EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Pendent Brass Wet Pipe Sprinkler Head	91.85	12.51
	For >25 To 50, Deduct	-2.50	
	For >50 To 100, Deduct	-7.10	
	For >100 To 500, Deduct	-12.73	
	For >500 To 1,000, Deduct	-25.04	
	For >1,000, Deduct	-35.06	
21 13 13 00-0078	EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head.....	97.20	12.51
	For >25 To 50, Deduct	-2.50	
	For >50 To 100, Deduct	-7.36	
	For >100 To 500, Deduct	-13.40	
	For >500 To 1,000, Deduct	-26.01	
	For >1,000, Deduct	-36.02	
21 13 13 00-0079	EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Pendent White Polyester Coated Wet Pipe Sprinkler Head.....	98.29	12.51
	For >25 To 50, Deduct	-2.50	
	For >50 To 100, Deduct	-7.42	
	For >100 To 500, Deduct	-13.54	
	For >500 To 1,000, Deduct	-26.20	
	For >1,000, Deduct	-36.21	
21 13 13 00-0080	EA 1/2" NPT Thread, 3/8" Orifice, K=2.8, Pendent Brass Wet Pipe Sprinkler Head.....	89.53	11.26
	For >25 To 50, Deduct	-2.25	
	For >50 To 100, Deduct	-6.73	
	For >100 To 500, Deduct	-12.32	
	For >500 To 1,000, Deduct	-23.78	
	For >1,000, Deduct	-32.79	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0081	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Pendent Chrome Wet Pipe Sprinkler Head	93.02	11.26	
		For >25 To 50, Deduct	-2.25		
		For >50 To 100, Deduct	-6.90		
		For >100 To 500, Deduct	-12.75		
		For >500 To 1,000, Deduct	-24.40		
		For >1,000, Deduct	-33.42		
21 13 13 00-0082	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Pendent White Polyester Coated Wet Pipe Sprinkler Head	93.70	11.26	
		For >25 To 50, Deduct	-2.25		
		For >50 To 100, Deduct	-6.94		
		For >100 To 500, Deduct	-12.84		
		For >500 To 1,000, Deduct	-24.53		
		For >1,000, Deduct	-33.54		
21 13 13 00-0083	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent Brass Wet Pipe Sprinkler Head	89.53	11.26	
		For >25 To 50, Deduct	-2.25		
		For >50 To 100, Deduct	-6.73		
		For >100 To 500, Deduct	-12.32		
		For >500 To 1,000, Deduct	-23.78		
		For >1,000, Deduct	-32.79		
21 13 13 00-0084	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent Chrome Wet Pipe Sprinkler Head	93.02	11.26	
		For >25 To 50, Deduct	-2.25		
		For >50 To 100, Deduct	-6.90		
		For >100 To 500, Deduct	-12.75		
		For >500 To 1,000, Deduct	-24.40		
		For >1,000, Deduct	-33.42		
21 13 13 00-0085	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent White Polyester Coated Wet Pipe Sprinkler Head	93.70	11.26	
		For >25 To 50, Deduct	-2.25		
		For >50 To 100, Deduct	-6.94		
		For >100 To 500, Deduct	-12.84		
		For >500 To 1,000, Deduct	-24.53		
		For >1,000, Deduct	-33.54		
21 13 13 00-0086	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent Brass Wet Pipe Sprinkler Head, Low Lead	89.53	11.26	
		For >25 To 50, Deduct	-2.25		
		For >50 To 100, Deduct	-6.73		
		For >100 To 500, Deduct	-12.32		
		For >500 To 1,000, Deduct	-23.78		
		For >1,000, Deduct	-32.79		
21 13 13 00-0087	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent Chrome Wet Pipe Sprinkler Head, Low Lead	93.02	11.26	
		For >25 To 50, Deduct	-2.25		
		For >50 To 100, Deduct	-6.90		
		For >100 To 500, Deduct	-12.75		
		For >500 To 1,000, Deduct	-24.40		
		For >1,000, Deduct	-33.42		
21 13 13 00-0088	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent White Polyester Coated Wet Pipe Sprinkler Head, Low Lead	93.70	11.26	
		For >25 To 50, Deduct	-2.25		
		For >50 To 100, Deduct	-6.94		
		For >100 To 500, Deduct	-12.84		
		For >500 To 1,000, Deduct	-24.53		
		For >1,000, Deduct	-33.54		
21 13 13 00-0089	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent Brass Wet Pipe Sprinkler Head, Low Lead	79.42	11.26	
		For >25 To 50, Deduct	-2.25		
		For >50 To 100, Deduct	-6.22		
		For >100 To 500, Deduct	-11.05		
		For >500 To 1,000, Deduct	-21.96		
		For >1,000, Deduct	-30.97		
21 13 13 00-0090	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent Chrome Wet Pipe Sprinkler Head, Low Lead	82.92	11.26	
		For >25 To 50, Deduct	-2.25		
		For >50 To 100, Deduct	-6.40		
		For >100 To 500, Deduct	-11.49		
		For >500 To 1,000, Deduct	-22.59		
		For >1,000, Deduct	-31.60		
21 13 13 00-0091	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent White Polyester Coated Wet Pipe Sprinkler Head, Low Lead	85.15	11.26	
		For >25 To 50, Deduct	-2.25		
		For >50 To 100, Deduct	-6.51		
		For >100 To 500, Deduct	-11.77		
		For >500 To 1,000, Deduct	-22.99		
		For >1,000, Deduct	-32.00		
21 13 13 00-0092	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Pendent Brass Wet Pipe Sprinkler Head	81.18	11.26	
		For >25 To 50, Deduct	-2.25		
		For >50 To 100, Deduct	-6.31		
		For >100 To 500, Deduct	-11.27		
		For >500 To 1,000, Deduct	-22.27		
		For >1,000, Deduct	-31.28		
21 13 13 00-0093	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Pendent Chrome Wet Pipe Sprinkler Head	83.66	11.26	
		For >25 To 50, Deduct	-2.25		
		For >50 To 100, Deduct	-6.44		
		For >100 To 500, Deduct	-11.58		
		For >500 To 1,000, Deduct	-22.72		
		For >1,000, Deduct	-31.73		
21 13 13 00-0094	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Pendent White Polyester Coated Wet Pipe Sprinkler Head	85.92	11.26	
		For >25 To 50, Deduct	-2.25		
		For >50 To 100, Deduct	-6.55		
		For >100 To 500, Deduct	-11.87		
		For >500 To 1,000, Deduct	-23.13		
		For >1,000, Deduct	-32.14		
21 13 13 00-0095	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Pendent Brass Wet Pipe Sprinkler Head	95.16	12.51	
		For >25 To 50, Deduct	-2.50		
		For >50 To 100, Deduct	-7.26		
		For >100 To 500, Deduct	-13.15		
		For >500 To 1,000, Deduct	-25.64		
		For >1,000, Deduct	-35.65		

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

21 13 13 00-0096	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Pendent Chrome Wet Pipe Sprinkler Head.....	99.70	12.51
		For >25 To 50, Deduct	-2.50	
		For >50 To 100, Deduct	-7.49	
		For >100 To 500, Deduct	-13.71	
		For >500 To 1,000, Deduct	-26.46	
		For >1,000, Deduct	-36.47	
21 13 13 00-0097	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Pendent White Polyester Coated Wet Pipe Sprinkler Head.....	99.70	12.51
		For >25 To 50, Deduct	-2.50	
		For >50 To 100, Deduct	-7.49	
		For >100 To 500, Deduct	-13.71	
		For >500 To 1,000, Deduct	-26.46	
		For >1,000, Deduct	-36.47	
21 13 13 00-0098	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Pendent Brass Wet Pipe Sprinkler Head	91.95	11.26
		For >25 To 50, Deduct	-2.25	
		For >50 To 100, Deduct	-6.85	
		For >100 To 500, Deduct	-12.62	
		For >500 To 1,000, Deduct	-24.21	
		For >1,000, Deduct	-33.22	
21 13 13 00-0099	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head	96.53	11.26
		For >25 To 50, Deduct	-2.25	
		For >50 To 100, Deduct	-7.08	
		For >100 To 500, Deduct	-13.19	
		For >500 To 1,000, Deduct	-25.04	
		For >1,000, Deduct	-34.05	
21 13 13 00-0100	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Pendent Brass Wet Pipe Sprinkler Head	103.39	11.26
		For >25 To 50, Deduct	-2.25	
		For >50 To 100, Deduct	-7.42	
		For >100 To 500, Deduct	-14.05	
		For >500 To 1,000, Deduct	-26.27	
		For >1,000, Deduct	-35.28	
21 13 13 00-0101	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head	110.90	11.26
		For >25 To 50, Deduct	-2.25	
		For >50 To 100, Deduct	-7.80	
		For >100 To 500, Deduct	-14.99	
		For >500 To 1,000, Deduct	-27.62	
		For >1,000, Deduct	-36.63	
21 13 13 00-0102	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Pendent Brass Wet Pipe Sprinkler Head	103.39	11.26
		For >25 To 50, Deduct	-2.25	
		For >50 To 100, Deduct	-7.42	
		For >100 To 500, Deduct	-14.05	
		For >500 To 1,000, Deduct	-26.27	
		For >1,000, Deduct	-35.28	
21 13 13 00-0103	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head	110.90	11.26
		For >25 To 50, Deduct	-2.25	
		For >50 To 100, Deduct	-7.80	
		For >100 To 500, Deduct	-14.99	
		For >500 To 1,000, Deduct	-27.62	
		For >1,000, Deduct	-36.63	
21 13 13 00-0104	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head	86.03	11.26
		For >25 To 50, Deduct	-2.25	
		For >50 To 100, Deduct	-6.55	
		For >100 To 500, Deduct	-11.88	
		For >500 To 1,000, Deduct	-23.15	
		For >1,000, Deduct	-32.16	
21 13 13 00-0105	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head	89.96	11.26
		For >25 To 50, Deduct	-2.25	
		For >50 To 100, Deduct	-6.75	
		For >100 To 500, Deduct	-12.37	
		For >500 To 1,000, Deduct	-23.85	
		For >1,000, Deduct	-32.87	
21 13 13 00-0106	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head.....	92.02	11.26
		For >25 To 50, Deduct	-2.25	
		For >50 To 100, Deduct	-6.85	
		For >100 To 500, Deduct	-12.63	
		For >500 To 1,000, Deduct	-24.22	
		For >1,000, Deduct	-33.24	
21 13 13 00-0107	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head.....	93.51	12.51
		For >25 To 50, Deduct	-2.50	
		For >50 To 100, Deduct	-7.18	
		For >100 To 500, Deduct	-12.94	
		For >500 To 1,000, Deduct	-25.34	
		For >1,000, Deduct	-35.35	
21 13 13 00-0108	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head	97.40	12.51
		For >25 To 50, Deduct	-2.50	
		For >50 To 100, Deduct	-7.37	
		For >100 To 500, Deduct	-13.43	
		For >500 To 1,000, Deduct	-26.04	
		For >1,000, Deduct	-36.05	
21 13 13 00-0109	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	101.16	12.51
		For >25 To 50, Deduct	-2.50	
		For >50 To 100, Deduct	-7.56	
		For >100 To 500, Deduct	-13.90	
		For >500 To 1,000, Deduct	-26.72	
		For >1,000, Deduct	-36.73	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0110	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head.....	88.25	11.26
			For >25 To 50, Deduct	-2.25	
			For >50 To 100, Deduct	-6.67	
			For >100 To 500, Deduct	-12.16	
			For >500 To 1,000, Deduct	-23.55	
			For >1,000, Deduct	-32.56	
21 13 13 00-0111	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head.....	92.11	11.26
			For >25 To 50, Deduct	-2.25	
			For >50 To 100, Deduct	-6.66	
			For >100 To 500, Deduct	-12.64	
			For >500 To 1,000, Deduct	-24.24	
			For >1,000, Deduct	-33.25	
21 13 13 00-0112	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head.....	94.21	11.26
			For >25 To 50, Deduct	-2.25	
			For >50 To 100, Deduct	-6.96	
			For >100 To 500, Deduct	-12.90	
			For >500 To 1,000, Deduct	-24.62	
			For >1,000, Deduct	-33.63	
21 13 13 00-0113	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head.....	95.16	12.51
			For >25 To 50, Deduct	-2.50	
			For >50 To 100, Deduct	-7.26	
			For >100 To 500, Deduct	-13.15	
			For >500 To 1,000, Deduct	-25.64	
			For >1,000, Deduct	-35.65	
21 13 13 00-0114	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head.....	99.21	12.51
			For >25 To 50, Deduct	-2.50	
			For >50 To 100, Deduct	-7.46	
			For >100 To 500, Deduct	-13.65	
			For >500 To 1,000, Deduct	-26.37	
			For >1,000, Deduct	-36.38	
21 13 13 00-0115	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head.....	103.12	12.51
			For >25 To 50, Deduct	-2.50	
			For >50 To 100, Deduct	-7.66	
			For >100 To 500, Deduct	-14.14	
			For >500 To 1,000, Deduct	-27.07	
			For >1,000, Deduct	-37.08	
21 13 13 00-0116	EA		1/2" NPT Thread, 1/2" Orifice, Decorative Pendent Chrome Wet Pipe Sprinkler Head.....	149.60	11.26
			For >25 To 50, Deduct	-2.25	
			For >50 To 100, Deduct	-9.73	
			For >100 To 500, Deduct	-19.83	
			For >500 To 1,000, Deduct	-34.59	
			For >1,000, Deduct	-43.60	
21 13 13 00-0117	EA		1/2" NPT Thread, 1/2" Orifice, Decorative Pendent White Polyester Coated Wet Pipe Sprinkler Head.....	149.60	11.26
			For >25 To 50, Deduct	-2.25	
			For >50 To 100, Deduct	-9.73	
			For >100 To 500, Deduct	-19.83	
			For >500 To 1,000, Deduct	-34.59	
			For >1,000, Deduct	-43.60	
21 13 13 00-0118	EA		3/4" NPT Thread, K=14.0, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head.....	106.26	12.51
			For >25 To 50, Deduct	-2.50	
			For >50 To 100, Deduct	-7.82	
			For >100 To 500, Deduct	-14.53	
			For >500 To 1,000, Deduct	-27.64	
			For >1,000, Deduct	-37.65	
21 13 13 00-0119	EA		3/4" NPT Thread, K=14.0, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head.....	109.23	12.51
			For >25 To 50, Deduct	-2.50	
			For >50 To 100, Deduct	-7.96	
			For >100 To 500, Deduct	-14.91	
			For >500 To 1,000, Deduct	-28.17	
			For >1,000, Deduct	-38.18	
21 13 13 00-0120	EA		3/4" NPT Thread, K=14.0, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head.....	109.23	12.51
			For >25 To 50, Deduct	-2.50	
			For >50 To 100, Deduct	-7.96	
			For >100 To 500, Deduct	-14.91	
			For >500 To 1,000, Deduct	-28.17	
			For >1,000, Deduct	-38.18	
21 13 13 00-0121	EA		3/4" NPT Thread, K=11.2, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head.....	102.23	12.51
			For >25 To 50, Deduct	-2.50	
			For >50 To 100, Deduct	-7.61	
			For >100 To 500, Deduct	-14.03	
			For >500 To 1,000, Deduct	-26.91	
			For >1,000, Deduct	-36.92	
21 13 13 00-0122	EA		3/4" NPT Thread, K=11.2, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head.....	104.99	12.51
			For >25 To 50, Deduct	-2.50	
			For >50 To 100, Deduct	-7.75	
			For >100 To 500, Deduct	-14.38	
			For >500 To 1,000, Deduct	-27.41	
			For >1,000, Deduct	-37.42	
21 13 13 00-0123	EA		3/4" NPT Thread, K=11.2, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head.....	104.99	12.51
			For >25 To 50, Deduct	-2.50	
			For >50 To 100, Deduct	-7.75	
			For >100 To 500, Deduct	-14.38	
			For >500 To 1,000, Deduct	-27.41	
			For >1,000, Deduct	-37.42	

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

21 13 13 00-0124	EA	1/2" NPT Thread, K=5.6, Quick Response, Pendent Stainless Steel Wet Pipe Sprinkler Head	331.80	11.26
		For >25 To 50, Deduct	-2.25	
		For >50 To 100, Deduct	-18.84	
		For >100 To 500, Deduct	-42.60	
		For >500 To 1,000, Deduct	-67.38	
		For >1,000, Deduct	-76.40	
21 13 13 00-0125	EA	3/4" NPT Thread, K=8.0, Quick Response, Pendent Stainless Steel Wet Pipe Sprinkler Head	365.22	12.51
		For >25 To 50, Deduct	-2.50	
		For >50 To 100, Deduct	-20.76	
		For >100 To 500, Deduct	-46.90	
		For >500 To 1,000, Deduct	-74.25	
		For >1,000, Deduct	-84.26	
21 13 13 00-0126	EA	1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Pendent Brass Wet Pipe Sprinkler Head	170.61	11.26
		For >25 To 50, Deduct	-2.25	
		For >50 To 100, Deduct	-10.78	
		For >100 To 500, Deduct	-22.45	
		For >500 To 1,000, Deduct	-38.37	
		For >1,000, Deduct	-47.38	
21 13 13 00-0127	EA	1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Pendent Chrome Wet Pipe Sprinkler Head	212.61	11.26
		For >25 To 50, Deduct	-2.25	
		For >50 To 100, Deduct	-12.88	
		For >100 To 500, Deduct	-27.70	
		For >500 To 1,000, Deduct	-45.93	
		For >1,000, Deduct	-54.94	
21 13 13 00-0128	EA	1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Pendent Brass Wet Pipe Sprinkler Head	388.21	11.26
		For >25 To 50, Deduct	-2.25	
		For >50 To 100, Deduct	-21.66	
		For >100 To 500, Deduct	-49.65	
		For >500 To 1,000, Deduct	-77.54	
		For >1,000, Deduct	-86.55	
21 13 13 00-0129	EA	1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Pendent Chrome Wet Pipe Sprinkler Head	497.64	11.26
		For >25 To 50, Deduct	-2.25	
		For >50 To 100, Deduct	-27.14	
		For >100 To 500, Deduct	-63.33	
		For >500 To 1,000, Deduct	-97.24	
		For >1,000, Deduct	-106.25	
21 13 13 00-0130	EA	3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Pendent Brass Wet Pipe Sprinkler Head	217.61	12.51
		For >25 To 50, Deduct	-2.50	
		For >50 To 100, Deduct	-13.38	
		For >100 To 500, Deduct	-28.45	
		For >500 To 1,000, Deduct	-47.68	
		For >1,000, Deduct	-57.69	
21 13 13 00-0131	EA	3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Pendent Chrome Wet Pipe Sprinkler Head	218.88	12.51
		For >25 To 50, Deduct	-2.50	
		For >50 To 100, Deduct	-13.45	
		For >100 To 500, Deduct	-28.61	
		For >500 To 1,000, Deduct	-47.91	
		For >1,000, Deduct	-57.92	

21 13 13 00-0132 Sidewall Wet Pipe Sprinkler Heads (21 13 13 00-0024)**21 13 13 00-0133 Horizontal Sidewall Wet-Pipe Sprinkler Heads (21 13 13 00-0132)**

21 13 13 00-0134	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	84.65	11.26
		For >25 To 50, Deduct	-2.25	
		For >50 To 100, Deduct	-6.49	
		For >100 To 500, Deduct	-11.71	
		For >500 To 1,000, Deduct	-22.90	
		For >1,000, Deduct	-31.91	
21 13 13 00-0135	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	87.46	11.26
		For >25 To 50, Deduct	-2.25	
		For >50 To 100, Deduct	-6.63	
		For >100 To 500, Deduct	-12.06	
		For >500 To 1,000, Deduct	-23.40	
		For >1,000, Deduct	-32.42	
21 13 13 00-0136	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Horizontal Sidewall White Polyester Coated Wet Pipe Sprinkler Head	91.89	11.26
		For >25 To 50, Deduct	-2.25	
		For >50 To 100, Deduct	-6.85	
		For >100 To 500, Deduct	-12.61	
		For >500 To 1,000, Deduct	-24.20	
		For >1,000, Deduct	-33.21	
21 13 13 00-0137	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	86.24	11.26
		For >25 To 50, Deduct	-2.25	
		For >50 To 100, Deduct	-6.57	
		For >100 To 500, Deduct	-11.91	
		For >500 To 1,000, Deduct	-23.18	
		For >1,000, Deduct	-32.20	
21 13 13 00-0138	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	89.09	11.26
		For >25 To 50, Deduct	-2.25	
		For >50 To 100, Deduct	-6.71	
		For >100 To 500, Deduct	-12.26	
		For >500 To 1,000, Deduct	-23.70	
		For >1,000, Deduct	-32.71	
21 13 13 00-0139	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Horizontal Sidewall White Wet Pipe Sprinkler Head	93.61	11.26
		For >25 To 50, Deduct	-2.25	
		For >50 To 100, Deduct	-6.93	
		For >100 To 500, Deduct	-12.83	
		For >500 To 1,000, Deduct	-24.51	
		For >1,000, Deduct	-33.52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0140	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	96.53	11.26	
		For >25 To 50, Deduct	-2.25		
		For >50 To 100, Deduct	-7.08		
		For >100 To 500, Deduct	-13.19		
		For >500 To 1,000, Deduct	-25.04		
		For >1,000, Deduct	-34.05		
21 13 13 00-0141	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	101.09	11.26	
		For >25 To 50, Deduct	-2.25		
		For >50 To 100, Deduct	-7.31		
		For >100 To 500, Deduct	-13.76		
		For >500 To 1,000, Deduct	-25.86		
		For >1,000, Deduct	-34.87		
21 13 13 00-0142	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	103.84	12.51	
		For >25 To 50, Deduct	-2.50		
		For >50 To 100, Deduct	-7.70		
		For >100 To 500, Deduct	-14.23		
		For >500 To 1,000, Deduct	-27.20		
		For >1,000, Deduct	-37.21		
21 13 13 00-0143	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	110.68	12.51	
		For >25 To 50, Deduct	-2.50		
		For >50 To 100, Deduct	-8.04		
		For >100 To 500, Deduct	-15.09		
		For >500 To 1,000, Deduct	-28.43		
		For >1,000, Deduct	-38.44		
21 13 13 00-0144	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	106.37	11.26	
		For >25 To 50, Deduct	-2.25		
		For >50 To 100, Deduct	-7.57		
		For >100 To 500, Deduct	-14.42		
		For >500 To 1,000, Deduct	-26.81		
		For >1,000, Deduct	-35.82		
21 13 13 00-0145	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	110.90	11.26	
		For >25 To 50, Deduct	-2.25		
		For >50 To 100, Deduct	-7.80		
		For >100 To 500, Deduct	-14.99		
		For >500 To 1,000, Deduct	-27.62		
		For >1,000, Deduct	-36.63		
21 13 13 00-0146	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	106.37	11.26	
		For >25 To 50, Deduct	-2.25		
		For >50 To 100, Deduct	-7.57		
		For >100 To 500, Deduct	-14.42		
		For >500 To 1,000, Deduct	-26.81		
		For >1,000, Deduct	-35.82		
21 13 13 00-0147	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	110.90	11.26	
		For >25 To 50, Deduct	-2.25		
		For >50 To 100, Deduct	-7.80		
		For >100 To 500, Deduct	-14.99		
		For >500 To 1,000, Deduct	-27.62		
		For >1,000, Deduct	-36.63		
21 13 13 00-0148	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	82.27	11.26	
		For >25 To 50, Deduct	-2.25		
		For >50 To 100, Deduct	-6.37		
		For >100 To 500, Deduct	-11.41		
		For >500 To 1,000, Deduct	-22.47		
		For >1,000, Deduct	-31.48		
21 13 13 00-0149	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	84.58	11.26	
		For >25 To 50, Deduct	-2.25		
		For >50 To 100, Deduct	-6.48		
		For >100 To 500, Deduct	-11.70		
		For >500 To 1,000, Deduct	-22.88		
		For >1,000, Deduct	-31.90		
21 13 13 00-0150	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head	87.47	11.26	
		For >25 To 50, Deduct	-2.25		
		For >50 To 100, Deduct	-6.63		
		For >100 To 500, Deduct	-12.06		
		For >500 To 1,000, Deduct	-23.40		
		For >1,000, Deduct	-32.42		
21 13 13 00-0151	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	89.98	12.51	
		For >25 To 50, Deduct	-2.50		
		For >50 To 100, Deduct	-7.00		
		For >100 To 500, Deduct	-12.50		
		For >500 To 1,000, Deduct	-24.71		
		For >1,000, Deduct	-34.72		
21 13 13 00-0152	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	92.47	12.51	
		For >25 To 50, Deduct	-2.50		
		For >50 To 100, Deduct	-7.13		
		For >100 To 500, Deduct	-12.81		
		For >500 To 1,000, Deduct	-25.15		
		For >1,000, Deduct	-35.17		
21 13 13 00-0153	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head	95.15	12.51	
		For >25 To 50, Deduct	-2.50		
		For >50 To 100, Deduct	-7.26		
		For >100 To 500, Deduct	-13.15		
		For >500 To 1,000, Deduct	-25.64		
		For >1,000, Deduct	-35.65		

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

21 13 13 00-0154	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	91.95	12.51
		For >25 To 50, Deduct	-2.50	
		For >50 To 100, Deduct	-7.10	
		For >100 To 500, Deduct	-12.75	
		For >500 To 1,000, Deduct	-25.06	
		For >1,000, Deduct	-35.07	
21 13 13 00-0155	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	94.53	12.51
		For >25 To 50, Deduct	-2.50	
		For >50 To 100, Deduct	-7.23	
		For >100 To 500, Deduct	-13.07	
		For >500 To 1,000, Deduct	-25.53	
		For >1,000, Deduct	-35.54	
21 13 13 00-0156	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head	97.32	12.51
		For >25 To 50, Deduct	-2.50	
		For >50 To 100, Deduct	-7.37	
		For >100 To 500, Deduct	-13.42	
		For >500 To 1,000, Deduct	-26.03	
		For >1,000, Deduct	-36.04	
21 13 13 00-0157	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	97.36	12.51
		For >25 To 50, Deduct	-2.50	
		For >50 To 100, Deduct	-7.37	
		For >100 To 500, Deduct	-13.42	
		For >500 To 1,000, Deduct	-26.04	
		For >1,000, Deduct	-36.05	
21 13 13 00-0158	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	101.17	12.51
		For >25 To 50, Deduct	-2.50	
		For >50 To 100, Deduct	-7.56	
		For >100 To 500, Deduct	-13.90	
		For >500 To 1,000, Deduct	-26.72	
		For >1,000, Deduct	-36.73	
21 13 13 00-0159	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head	101.17	12.51
		For >25 To 50, Deduct	-2.50	
		For >50 To 100, Deduct	-7.56	
		For >100 To 500, Deduct	-13.90	
		For >500 To 1,000, Deduct	-26.72	
		For >1,000, Deduct	-36.73	
21 13 13 00-0160	EA	1/2" NPT Thread, 1/2" Orifice, Decorative Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	174.85	11.26
		For >25 To 50, Deduct	-2.25	
		For >50 To 100, Deduct	-11.00	
		For >100 To 500, Deduct	-22.98	
		For >500 To 1,000, Deduct	-39.13	
		For >1,000, Deduct	-48.15	
21 13 13 00-0161	EA	1/2" NPT Thread, 1/2" Orifice, Decorative Horizontal Sidewall White Wet Pipe Sprinkler Head	174.85	11.26
		For >25 To 50, Deduct	-2.25	
		For >50 To 100, Deduct	-11.00	
		For >100 To 500, Deduct	-22.98	
		For >500 To 1,000, Deduct	-39.13	
		For >1,000, Deduct	-48.15	
21 13 13 00-0162	EA	1/2" NPT Thread, K=5.6, High Temperature (360 Degree), Horizontal Sidewall Brass Wet Pipe Sprinkler Head	83.23	11.26
		For >25 To 50, Deduct	-2.25	
		For >50 To 100, Deduct	-6.41	
		For >100 To 500, Deduct	-11.53	
		For >500 To 1,000, Deduct	-22.64	
		For >1,000, Deduct	-31.65	
21 13 13 00-0163	EA	1/2" NPT Thread, K=5.6, High Temperature (360 Degree), Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	83.23	11.26
		For >25 To 50, Deduct	-2.25	
		For >50 To 100, Deduct	-6.41	
		For >100 To 500, Deduct	-11.53	
		For >500 To 1,000, Deduct	-22.64	
		For >1,000, Deduct	-31.65	
21 13 13 00-0164	EA	1/2" NPT Thread, K=5.6, High Temperature (360 Degree), Horizontal Sidewall White Wet Pipe Sprinkler Head	83.23	11.26
		For >25 To 50, Deduct	-2.25	
		For >50 To 100, Deduct	-6.41	
		For >100 To 500, Deduct	-11.53	
		For >500 To 1,000, Deduct	-22.64	
		For >1,000, Deduct	-31.65	

21 13 13 00-0165 Vertical Sidewall Wet-Pipe Sprinkler Heads (21 13 13 00-0132)

21 13 13 00-0166	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Vertical Sidewall Brass Wet Pipe Sprinkler Head	88.29	11.26
		For >25 To 50, Deduct	-2.25	
		For >50 To 100, Deduct	-6.67	
		For >100 To 500, Deduct	-12.16	
		For >500 To 1,000, Deduct	-23.55	
		For >1,000, Deduct	-32.56	
21 13 13 00-0167	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Vertical Sidewall Chrome Wet Pipe Sprinkler Head	91.79	11.26
		For >25 To 50, Deduct	-2.25	
		For >50 To 100, Deduct	-6.84	
		For >100 To 500, Deduct	-12.60	
		For >500 To 1,000, Deduct	-24.18	
		For >1,000, Deduct	-33.19	
21 13 13 00-0168	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Vertical Sidewall White Wet Pipe Sprinkler Head	93.29	11.26
		For >25 To 50, Deduct	-2.25	
		For >50 To 100, Deduct	-6.92	
		For >100 To 500, Deduct	-12.79	
		For >500 To 1,000, Deduct	-24.45	
		For >1,000, Deduct	-33.46	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0169			Concealed Wet Pipe Sprinkler Heads (21 13 13 00-0024)		
21 13 13 00-0170			Concealed Pendant Wet-Pipe Sprinkler Heads (21 13 13 00-0169)		
21 13 13 00-0171	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Brass Wet Pipe Sprinkler Head, Low Lead 128.82	128.82	15.02
			Note: Excludes cover plate		
			For >25 To 50, Deduct	-3.00	
			For >50 To 100, Deduct	-9.44	
			For >100 To 500, Deduct	-17.60	
			For >500 To 1,000, Deduct	-33.40	
			For >1,000, Deduct	-45.41	
21 13 13 00-0172	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Brass Wet Pipe Sprinkler Head 87.78	87.78	15.02
			Note: Excludes cover plate		
			For >25 To 50, Deduct	-3.00	
			For >50 To 100, Deduct	-7.39	
			For >100 To 500, Deduct	-12.47	
			For >500 To 1,000, Deduct	-26.01	
			For >1,000, Deduct	-38.03	
21 13 13 00-0173	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Concealed Pendent Brass Wet Pipe Sprinkler Head 89.28	89.28	15.02
			Note: Excludes cover plate		
			For >25 To 50, Deduct	-3.00	
			For >50 To 100, Deduct	-7.47	
			For >100 To 500, Deduct	-12.66	
			For >500 To 1,000, Deduct	-26.28	
			For >1,000, Deduct	-38.30	
21 13 13 00-0174	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Concealed Pendent Brass Wet Pipe Sprinkler Head 114.65	114.65	16.27
			Note: Excludes cover plate		
			For >25 To 50, Deduct	-3.25	
			For >50 To 100, Deduct	-8.99	
			For >100 To 500, Deduct	-15.96	
			For >500 To 1,000, Deduct	-31.70	
			For >1,000, Deduct	-44.72	
21 13 13 00-0175	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Concealed Pendent Brass Wet Pipe Sprinkler Head 109.63	109.63	15.02
			Note: Excludes cover plate		
			For >25 To 50, Deduct	-3.00	
			For >50 To 100, Deduct	-8.49	
			For >100 To 500, Deduct	-15.21	
			For >500 To 1,000, Deduct	-29.95	
			For >1,000, Deduct	-41.96	
21 13 13 00-0176	EA		1/2" NPT Thread, 3/8" Orifice, K=2.8, Concealed Pendent Brass Wet Pipe Sprinkler Head 109.63	109.63	15.02
			Note: Excludes cover plate		
			For >25 To 50, Deduct	-3.00	
			For >50 To 100, Deduct	-8.49	
			For >100 To 500, Deduct	-15.21	
			For >500 To 1,000, Deduct	-29.95	
			For >1,000, Deduct	-41.96	
21 13 13 00-0177	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head 114.65	114.65	16.27
			Note: Excludes cover plate		
			For >25 To 50, Deduct	-3.25	
			For >50 To 100, Deduct	-8.99	
			For >100 To 500, Deduct	-15.96	
			For >500 To 1,000, Deduct	-31.70	
			For >1,000, Deduct	-44.72	
21 13 13 00-0178	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head 100.03	100.03	15.02
			Note: Excludes cover plate		
			For >25 To 50, Deduct	-3.00	
			For >50 To 100, Deduct	-8.01	
			For >100 To 500, Deduct	-14.01	
			For >500 To 1,000, Deduct	-28.22	
			For >1,000, Deduct	-40.23	
21 13 13 00-0179	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head 109.63	109.63	15.02
			Note: Excludes cover plate		
			For >25 To 50, Deduct	-3.00	
			For >50 To 100, Deduct	-8.49	
			For >100 To 500, Deduct	-15.21	
			For >500 To 1,000, Deduct	-29.95	
			For >1,000, Deduct	-41.96	
21 13 13 00-0180	EA		1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head 109.63	109.63	15.02
			Note: Excludes cover plate		
			For >25 To 50, Deduct	-3.00	
			For >50 To 100, Deduct	-8.49	
			For >100 To 500, Deduct	-15.21	
			For >500 To 1,000, Deduct	-29.95	
			For >1,000, Deduct	-41.96	
21 13 13 00-0181	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head 102.30	102.30	15.02
			Note: Excludes cover plate		
			For >25 To 50, Deduct	-3.00	
			For >50 To 100, Deduct	-8.12	
			For >100 To 500, Deduct	-14.29	
			For >500 To 1,000, Deduct	-28.63	
			For >1,000, Deduct	-40.64	
21 13 13 00-0182	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Adjustable Concealed Pendent Brass Wet Pipe Sprinkler Head 176.87	176.87	17.53
			Note: Excludes cover plate		
			For >25 To 50, Deduct	-3.50	
			For >50 To 100, Deduct	-12.35	
			For >100 To 500, Deduct	-23.86	
			For >500 To 1,000, Deduct	-43.75	
			For >1,000, Deduct	-57.77	

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

21 13 13 00-0183	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head	95.24	15.02
		Note: Excludes cover plate		
		For >25 To 50, Deduct	-3.00	
		For >50 To 100, Deduct	-7.77	
		For >100 To 500, Deduct	-13.41	
		For >500 To 1,000, Deduct	-27.36	
		For >1,000, Deduct	-39.37	
21 13 13 00-0184	EA	3/4" NPT Thread, 17/32" Orifice, K=5.6, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head	99.64	16.27
		Note: Excludes cover plate		
		For >25 To 50, Deduct	-3.25	
		For >50 To 100, Deduct	-8.24	
		For >100 To 500, Deduct	-14.08	
		For >500 To 1,000, Deduct	-29.00	
		For >1,000, Deduct	-42.02	
21 13 13 00-0185	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head	96.59	15.02
		Note: Excludes cover plate		
		For >25 To 50, Deduct	-3.00	
		For >50 To 100, Deduct	-7.83	
		For >100 To 500, Deduct	-13.58	
		For >500 To 1,000, Deduct	-27.60	
		For >1,000, Deduct	-39.61	
21 13 13 00-0186	EA	3/4" NPT Thread, 17/32" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head	101.61	16.27
		Note: Excludes cover plate		
		For >25 To 50, Deduct	-3.25	
		For >50 To 100, Deduct	-8.34	
		For >100 To 500, Deduct	-14.33	
		For >500 To 1,000, Deduct	-29.36	
		For >1,000, Deduct	-42.37	
21 13 13 00-0187	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head	115.28	16.27
		Note: Excludes cover plate		
		For >25 To 50, Deduct	-3.25	
		For >50 To 100, Deduct	-9.02	
		For >100 To 500, Deduct	-16.04	
		For >500 To 1,000, Deduct	-31.82	
		For >1,000, Deduct	-44.83	
21 13 13 00-0188	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Non-Ferrous Sprinkler Head With Escutcheon And Adjustable Chrome Cover Plate	208.00	17.53
		For >25 To 50, Deduct	-3.50	
		For >50 To 100, Deduct	-13.90	
		For >100 To 500, Deduct	-27.75	
		For >500 To 1,000, Deduct	-49.36	
		For >1,000, Deduct	-63.37	
21 13 13 00-0189	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Non-Ferrous Sprinkler Head With Escutcheon And Adjustable White Cover Plate	208.00	17.53
		For >25 To 50, Deduct	-3.50	
		For >50 To 100, Deduct	-13.90	
		For >100 To 500, Deduct	-27.75	
		For >500 To 1,000, Deduct	-49.36	
		For >1,000, Deduct	-63.37	
21 13 13 00-0190		Concealed Horizontal Side Wall Wet-Pipe Sprinkler Heads (21 13 13 00-0169)		
21 13 13 00-0191	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head	140.24	15.02
		Note: Excludes cover plate		
		For >25 To 50, Deduct	-3.00	
		For >50 To 100, Deduct	-10.02	
		For >100 To 500, Deduct	-19.03	
		For >500 To 1,000, Deduct	-35.46	
		For >1,000, Deduct	-47.47	
21 13 13 00-0192	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head	158.62	16.27
		Note: Excludes cover plate		
		For >25 To 50, Deduct	-3.25	
		For >50 To 100, Deduct	-11.19	
		For >100 To 500, Deduct	-21.45	
		For >500 To 1,000, Deduct	-39.62	
		For >1,000, Deduct	-52.63	
21 13 13 00-0193	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Extended Coverage, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head	106.86	15.02
		Note: Excludes cover plate		
		For >25 To 50, Deduct	-3.00	
		For >50 To 100, Deduct	-8.35	
		For >100 To 500, Deduct	-14.86	
		For >500 To 1,000, Deduct	-29.45	
		For >1,000, Deduct	-41.46	
21 13 13 00-0194	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head	106.80	16.27
		Note: Excludes cover plate		
		For >25 To 50, Deduct	-3.25	
		For >50 To 100, Deduct	-8.59	
		For >100 To 500, Deduct	-14.98	
		For >500 To 1,000, Deduct	-30.29	
		For >1,000, Deduct	-43.31	

21 13 13 00-0195 Institutional Tamper Resistant Wet Pipe Sprinkler Heads (21 13 13 00-0024)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0196	EA		1/2" NPT Thread, K=5.6, Institutional Tamper Resistant, Pendant Chrome Wet Pipe Sprinkler Head Note: Complete assembly including escutcheon, spacers, retaining flange, and centering grommet. For >25 To 50, Deduct For >50 To 100, Deduct For >100 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct	360.55 -2.50 -20.53 -46.32 -73.41 -83.42	12.51
21 13 13 00-0197	EA		1/2" NPT Thread, K=5.6, Institutional Tamper Resistant, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head Note: Complete assembly including escutcheon, spacers, retaining flange, and centering grommet. For >25 To 50, Deduct For >50 To 100, Deduct For >100 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct	351.58 -2.50 -20.08 -45.20 -71.79 -81.81	12.51
21 13 13 00-0198	EA		1/2" NPT Thread, K=5.6, Quick Response, Institutional Tamper Resistant, Pendant Chrome Wet Pipe Sprinkler Head For >25 To 50, Deduct For >50 To 100, Deduct For >100 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct	145.00 -2.50 -9.75 -19.38 -34.61 -44.62	12.51
21 13 13 00-0199	EA		1/2" NPT Thread, K=5.6, Quick Response, Institutional Tamper Resistant, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head For >25 To 50, Deduct For >50 To 100, Deduct For >100 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct	163.61 -2.50 -10.68 -21.70 -37.96 -47.97	12.51
21 13 13 00-0200			Wet Pipe Sprinkler Head Accessories (21 13 13 00-0011)		
21 13 13 00-0201			Sprinkler Adjustable Steel Drop Nipple (21 13 13 00-0200)		
21 13 13 00-0202	EA		1" Male NPT x 1/2" Female NPT x 4.125" Minimum Length To 5.125" Maximum Length, Adjustable Steel Drop Nipple (Anvil M1.150) For >25 To 50, Deduct For >50 To 100, Deduct For >100 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct	57.22 -1.07 -3.93 -7.69 -13.94 -18.22	12.83
21 13 13 00-0203	EA		1" Male NPT x 1/2" Female NPT x 6.125" Minimum Length To 9.125" Maximum Length, Adjustable Steel Drop Nipple (Anvil M3.150) For >25 To 50, Deduct For >50 To 100, Deduct For >100 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct	57.22 -1.07 -3.93 -7.69 -13.94 -18.22	12.83
21 13 13 00-0204	EA		1" Male NPT x 1/2" Female NPT x 7.875" Minimum Length To 10.875" Maximum Length, Adjustable Steel Drop Nipple (Anvil ME3.150) For >25 To 50, Deduct For >50 To 100, Deduct For >100 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct	57.96 -1.07 -3.97 -7.78 -14.07 -18.35	12.83
21 13 13 00-0205	EA		1" Female NPT x 1/2" Female NPT x 3.5" Minimum Length To 4.5" Maximum Length, Adjustable Steel Drop Nipple (Anvil F1.150) For >25 To 50, Deduct For >50 To 100, Deduct For >100 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct	50.42 -1.07 -3.59 -6.84 -12.71 -16.99	12.83
21 13 13 00-0206	EA		1" Female NPT x 1/2" Female NPT x 4.5" Minimum Length To 6.5" Maximum Length, Adjustable Steel Drop Nipple (Anvil F2.150) For >25 To 50, Deduct For >50 To 100, Deduct For >100 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct	50.42 -1.07 -3.59 -6.84 -12.71 -16.99	12.83
21 13 13 00-0207	EA		1" Female NPT x 1/2" Female NPT x 5.5" Minimum Length To 8.5" Maximum Length, Adjustable Steel Drop Nipple (Anvil F3.150) For >25 To 50, Deduct For >50 To 100, Deduct For >100 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct	50.42 -1.07 -3.59 -6.84 -12.71 -16.99	12.83
21 13 13 00-0208	EA		1" Female NPT x 3/4" Female NPT x 7.35" Minimum Length To 10.35" Maximum Length, Adjustable Steel Drop Nipple (Anvil F3.175) For >25 To 50, Deduct For >50 To 100, Deduct For >100 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct	56.50 -1.16 -3.99 -7.64 -14.12 -18.78	13.96
21 13 13 00-0209			Sprinkler Head Escutcheon (21 13 13 00-0200)		
21 13 13 00-0210	EA		2-7/8" Diameter x 1-1/8" Depth, Two Piece, 1/2" NPT, Brass Sprinkler Head Recessed Escutcheon For >25 To 50, Deduct For >50 To 100, Deduct For >100 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct	22.19 -0.38 -1.49 -2.96 -5.27 -6.77	4.51

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
21 13 13 00-0211	EA 2-7/8" Diameter x 1-1/8" Depth, Two Piece, 1/2" NPT, Chrome Sprinkler Head Recessed Escutcheon	14.78		4.51
	For >25 To 50, Deduct	-0.38		
	For >50 To 100, Deduct	-1.11		
	For >100 To 500, Deduct	-2.04		
	For >500 To 1,000, Deduct	-3.94		
	For >1,000, Deduct	-5.44		
21 13 13 00-0212	EA 2-7/8" Diameter x 1-1/8" Depth, Two Piece, 1/2" NPT, White Sprinkler Head Recessed Escutcheon	14.78		4.51
	For >25 To 50, Deduct	-0.38		
	For >50 To 100, Deduct	-1.11		
	For >100 To 500, Deduct	-2.04		
	For >500 To 1,000, Deduct	-3.94		
	For >1,000, Deduct	-5.44		
21 13 13 00-0213	EA 2-7/8" Diameter x 1-1/8" Depth, Two Piece, 3/4" NPT, Brass Sprinkler Head Recessed Escutcheon	22.19		4.51
	For >25 To 50, Deduct	-0.38		
	For >50 To 100, Deduct	-1.49		
	For >100 To 500, Deduct	-2.96		
	For >500 To 1,000, Deduct	-5.27		
	For >1,000, Deduct	-6.77		
21 13 13 00-0214	EA 2-7/8" Diameter x 1-1/8" Depth, Two Piece, 3/4" NPT, Chrome Sprinkler Head Recessed Escutcheon	14.78		4.51
	For >25 To 50, Deduct	-0.38		
	For >50 To 100, Deduct	-1.11		
	For >100 To 500, Deduct	-2.04		
	For >500 To 1,000, Deduct	-3.94		
	For >1,000, Deduct	-5.44		
21 13 13 00-0215	EA 2-7/8" Diameter x 1-1/8" Depth, Two Piece, 3/4" NPT, White Sprinkler Head Recessed Escutcheon	14.78		4.51
	For >25 To 50, Deduct	-0.38		
	For >50 To 100, Deduct	-1.11		
	For >100 To 500, Deduct	-2.04		
	For >500 To 1,000, Deduct	-3.94		
	For >1,000, Deduct	-5.44		
21 13 13 00-0216	EA 2-7/8" Diameter x 7/8" Depth, Two Piece, 1/2" NPT, Brass Sprinkler Head Recessed Escutcheon	20.85		4.51
	For >25 To 50, Deduct	-0.38		
	For >50 To 100, Deduct	-1.42		
	For >100 To 500, Deduct	-2.79		
	For >500 To 1,000, Deduct	-5.03		
	For >1,000, Deduct	-6.53		
21 13 13 00-0217	EA 2-7/8" Diameter x 7/8" Depth, Two Piece, 1/2" NPT, Chrome Sprinkler Head Recessed Escutcheon	14.78		4.51
	For >25 To 50, Deduct	-0.38		
	For >50 To 100, Deduct	-1.11		
	For >100 To 500, Deduct	-2.04		
	For >500 To 1,000, Deduct	-3.94		
	For >1,000, Deduct	-5.44		
21 13 13 00-0218	EA 2-7/8" Diameter x 7/8" Depth, Two Piece, 1/2" NPT, White Sprinkler Head Recessed Escutcheon	14.78		4.51
	For >25 To 50, Deduct	-0.38		
	For >50 To 100, Deduct	-1.11		
	For >100 To 500, Deduct	-2.04		
	For >500 To 1,000, Deduct	-3.94		
	For >1,000, Deduct	-5.44		
21 13 13 00-0219	EA 2-7/8" Diameter x 7/8" Depth, Two Piece, 3/4" NPT, Brass Sprinkler Head Recessed Escutcheon	20.85		4.51
	For >25 To 50, Deduct	-0.38		
	For >50 To 100, Deduct	-1.42		
	For >100 To 500, Deduct	-2.79		
	For >500 To 1,000, Deduct	-5.03		
	For >1,000, Deduct	-6.53		
21 13 13 00-0220	EA 2-7/8" Diameter x 7/8" Depth, Two Piece, 3/4" NPT, Chrome Sprinkler Head Recessed Escutcheon	14.78		4.51
	For >25 To 50, Deduct	-0.38		
	For >50 To 100, Deduct	-1.11		
	For >100 To 500, Deduct	-2.04		
	For >500 To 1,000, Deduct	-3.94		
	For >1,000, Deduct	-5.44		
21 13 13 00-0221	EA 2-7/8" Diameter x 7/8" Depth, Two Piece, 3/4" NPT, White Sprinkler Head Recessed Escutcheon	14.78		4.51
	For >25 To 50, Deduct	-0.38		
	For >50 To 100, Deduct	-1.11		
	For >100 To 500, Deduct	-2.04		
	For >500 To 1,000, Deduct	-3.94		
	For >1,000, Deduct	-5.44		
21 13 13 00-0222	EA 3-7/32" Diameter x 15/16" Depth, Two Piece, 1/2" NPT, Push-On/Thread-Off Chrome Sprinkler Head Recessed Escutcheon	21.52		4.51
	For >25 To 50, Deduct	-0.38		
	For >50 To 100, Deduct	-1.45		
	For >100 To 500, Deduct	-2.88		
	For >500 To 1,000, Deduct	-5.15		
	For >1,000, Deduct	-6.65		
21 13 13 00-0223	EA 3-7/32" Diameter x 15/16" Depth, Two Piece, 1/2" NPT, Push-On/Thread-Off White Sprinkler Head Recessed Escutcheon	21.52		4.51
	For >25 To 50, Deduct	-0.38		
	For >50 To 100, Deduct	-1.45		
	For >100 To 500, Deduct	-2.88		
	For >500 To 1,000, Deduct	-5.15		
	For >1,000, Deduct	-6.65		
21 13 13 00-0224	EA 2-7/8" Diameter x 11/16" Depth, One Piece, 1/2" NPT, Brass Sprinkler Head Escutcheon	7.97		3.31
	For >25 To 50, Deduct	-0.25		
	For >50 To 100, Deduct	-0.65		
	For >100 To 500, Deduct	-1.12		
	For >500 To 1,000, Deduct	-2.28		
	For >1,000, Deduct	-3.28		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0225	EA		2-7/8" Diameter x 11/16" Depth, One Piece, 1/2" NPT, Chrome Sprinkler Head Escutcheon	7.04	3.31
			For >25 To 50, Deduct	-0.25	
			For >50 To 100, Deduct	-0.60	
			For >100 To 500, Deduct	-1.01	
			For >500 To 1,000, Deduct	-2.12	
			For >1,000, Deduct	-3.12	
21 13 13 00-0226	EA		2-7/8" Diameter x 11/16" Depth, One Piece, 1/2" NPT, White Sprinkler Head Escutcheon.....	7.29	3.31
			For >25 To 50, Deduct	-0.25	
			For >50 To 100, Deduct	-0.61	
			For >100 To 500, Deduct	-1.04	
			For >500 To 1,000, Deduct	-2.16	
			For >1,000, Deduct	-3.16	
21 13 13 00-0227	EA		2-7/8" Diameter x 11/16" Depth, One Piece, 3/4" NPT, Brass Sprinkler Head Escutcheon.....	8.14	3.31
			For >25 To 50, Deduct	-0.25	
			For >50 To 100, Deduct	-0.66	
			For >100 To 500, Deduct	-1.14	
			For >500 To 1,000, Deduct	-2.32	
			For >1,000, Deduct	-3.32	
21 13 13 00-0228	EA		2-7/8" Diameter x 11/16" Depth, One Piece, 3/4" NPT, Chrome Sprinkler Head Escutcheon	7.21	3.31
			For >25 To 50, Deduct	-0.25	
			For >50 To 100, Deduct	-0.61	
			For >100 To 500, Deduct	-1.03	
			For >500 To 1,000, Deduct	-2.15	
			For >1,000, Deduct	-3.15	
21 13 13 00-0229	EA		2-7/8" Diameter x 11/16" Depth, One Piece, 3/4" NPT, White Sprinkler Head Escutcheon.....	7.21	3.31
			For >25 To 50, Deduct	-0.25	
			For >50 To 100, Deduct	-0.61	
			For >100 To 500, Deduct	-1.03	
			For >500 To 1,000, Deduct	-2.15	
			For >1,000, Deduct	-3.15	
21 13 13 00-0230	EA		2-7/8" Diameter x 1/8" Depth, One Piece, 1/2" NPT, Bright Brass Sprinkler Head Escutcheon	9.11	3.31
			For >25 To 50, Deduct	-0.25	
			For >50 To 100, Deduct	-0.71	
			For >100 To 500, Deduct	-1.26	
			For >500 To 1,000, Deduct	-2.49	
			For >1,000, Deduct	-3.49	
21 13 13 00-0231	EA		2-7/8" Diameter x 1/8" Depth, One Piece, 1/2" NPT, Chrome Sprinkler Head Escutcheon	7.18	3.31
			For >25 To 50, Deduct	-0.25	
			For >50 To 100, Deduct	-0.61	
			For >100 To 500, Deduct	-1.02	
			For >500 To 1,000, Deduct	-2.14	
			For >1,000, Deduct	-3.14	
21 13 13 00-0232	EA		2-7/8" Diameter x 1/8" Depth, One Piece, 1/2" NPT, White Sprinkler Head Escutcheon.....	7.18	3.31
			For >25 To 50, Deduct	-0.25	
			For >50 To 100, Deduct	-0.61	
			For >100 To 500, Deduct	-1.02	
			For >500 To 1,000, Deduct	-2.14	
			For >1,000, Deduct	-3.14	
21 13 13 00-0233	EA		3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 1/2" NPT, Brass Sprinkler Head Telescoping Escutcheon.....	12.18	4.63
			For >25 To 50, Deduct	-0.35	
			For >50 To 100, Deduct	-0.96	
			For >100 To 500, Deduct	-1.70	
			For >500 To 1,000, Deduct	-3.38	
			For >1,000, Deduct	-4.79	
21 13 13 00-0234	EA		3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 1/2" NPT, Chrome Sprinkler Head Telescoping Escutcheon.....	11.68	4.63
			For >25 To 50, Deduct	-0.35	
			For >50 To 100, Deduct	-0.93	
			For >100 To 500, Deduct	-1.64	
			For >500 To 1,000, Deduct	-3.29	
			For >1,000, Deduct	-4.70	
21 13 13 00-0235	EA		3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 1/2" NPT, White Sprinkler Head Telescoping Escutcheon.....	11.85	4.63
			For >25 To 50, Deduct	-0.35	
			For >50 To 100, Deduct	-0.94	
			For >100 To 500, Deduct	-1.66	
			For >500 To 1,000, Deduct	-3.32	
			For >1,000, Deduct	-4.73	
21 13 13 00-0236	EA		3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 3/4" NPT, Brass Sprinkler Head Telescoping Escutcheon.....	12.35	4.63
			For >25 To 50, Deduct	-0.35	
			For >50 To 100, Deduct	-0.97	
			For >100 To 500, Deduct	-1.72	
			For >500 To 1,000, Deduct	-3.41	
			For >1,000, Deduct	-4.82	
21 13 13 00-0237	EA		3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 3/4" NPT, Chrome Sprinkler Head Telescoping Escutcheon.....	11.85	4.63
			For >25 To 50, Deduct	-0.35	
			For >50 To 100, Deduct	-0.94	
			For >100 To 500, Deduct	-1.66	
			For >500 To 1,000, Deduct	-3.32	
			For >1,000, Deduct	-4.73	
21 13 13 00-0238	EA		3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 3/4" NPT, White Sprinkler Head Telescoping Escutcheon.....	12.18	4.63
			For >25 To 50, Deduct	-0.35	
			For >50 To 100, Deduct	-0.96	
			For >100 To 500, Deduct	-1.70	
			For >500 To 1,000, Deduct	-3.38	
			For >1,000, Deduct	-4.79	

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

21 13 13 00-0239	EA	Flat Chrome Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	27.63	4.51
		For >25 To 50, Deduct	-0.38	
		For >50 To 100, Deduct	-1.76	
		For >100 To 500, Deduct	-3.64	
		For >500 To 1,000, Deduct	-6.25	
		For >1,000, Deduct	-7.75	
21 13 13 00-0240	EA	Flat White Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	27.63	4.51
		For >25 To 50, Deduct	-0.38	
		For >50 To 100, Deduct	-1.76	
		For >100 To 500, Deduct	-3.64	
		For >500 To 1,000, Deduct	-6.25	
		For >1,000, Deduct	-7.75	
21 13 13 00-0241	EA	Conical Chrome Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	27.63	4.51
		For >25 To 50, Deduct	-0.38	
		For >50 To 100, Deduct	-1.76	
		For >100 To 500, Deduct	-3.64	
		For >500 To 1,000, Deduct	-6.25	
		For >1,000, Deduct	-7.75	
21 13 13 00-0242	EA	Conical White Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	27.63	4.51
		For >25 To 50, Deduct	-0.38	
		For >50 To 100, Deduct	-1.76	
		For >100 To 500, Deduct	-3.64	
		For >500 To 1,000, Deduct	-6.25	
		For >1,000, Deduct	-7.75	
21 13 13 00-0243	EA	Chrome Sprinkler Head Escutcheon For Decorative Horizontal Sidewall Sprinkler Head	27.63	4.51
		For >25 To 50, Deduct	-0.38	
		For >50 To 100, Deduct	-1.76	
		For >100 To 500, Deduct	-3.64	
		For >500 To 1,000, Deduct	-6.25	
		For >1,000, Deduct	-7.75	
21 13 13 00-0244	EA	White Sprinkler Head Escutcheon For Decorative Horizontal Sidewall Sprinkler Head	27.63	4.51
		For >25 To 50, Deduct	-0.38	
		For >50 To 100, Deduct	-1.76	
		For >100 To 500, Deduct	-3.64	
		For >500 To 1,000, Deduct	-6.25	
		For >1,000, Deduct	-7.75	
21 13 13 00-0245	EA	2-Piece Chrome Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	32.23	4.51
		For >25 To 50, Deduct	-0.38	
		For >50 To 100, Deduct	-1.99	
		For >100 To 500, Deduct	-4.22	
		For >500 To 1,000, Deduct	-7.08	
		For >1,000, Deduct	-8.58	
21 13 13 00-0246	EA	2-Piece White Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	33.30	4.51
		For >25 To 50, Deduct	-0.38	
		For >50 To 100, Deduct	-2.04	
		For >100 To 500, Deduct	-4.35	
		For >500 To 1,000, Deduct	-7.27	
		For >1,000, Deduct	-8.77	

21 13 13 00-0247 Cover Plate For Sprinkler Heads (21 13 13 00-0200)

21 13 13 00-0248	EA	Chrome Cover Plate For Concealed Pendent Sprinkler Head	68.33	5.10
		For >25 To 50, Deduct	-0.43	
		For >50 To 100, Deduct	-3.84	
		For >100 To 500, Deduct	-8.75	
		For >500 To 1,000, Deduct	-13.75	
		For >1,000, Deduct	-15.45	
21 13 13 00-0249	EA	White Cover Plate For Concealed Pendent Sprinkler Head	31.82	5.10
		For >25 To 50, Deduct	-0.43	
		For >50 To 100, Deduct	-2.02	
		For >100 To 500, Deduct	-4.19	
		For >500 To 1,000, Deduct	-7.17	
		For >1,000, Deduct	-8.88	
21 13 13 00-0250	EA	Specialty Cover Plate For Concealed Pendent Sprinkler Head	47.65	5.10
		For >25 To 50, Deduct	-0.43	
		For >50 To 100, Deduct	-2.81	
		For >100 To 500, Deduct	-6.17	
		For >500 To 1,000, Deduct	-10.02	
		For >1,000, Deduct	-11.73	
21 13 13 00-0251	EA	Brass Cover Plate For Concealed Sidewall Sprinkler Head	43.55	5.10
		For >25 To 50, Deduct	-0.43	
		For >50 To 100, Deduct	-2.60	
		For >100 To 500, Deduct	-5.66	
		For >500 To 1,000, Deduct	-9.29	
		For >1,000, Deduct	-10.99	
21 13 13 00-0252	EA	Chrome Cover Plate For Concealed Sidewall Sprinkler Head	34.23	5.10
		For >25 To 50, Deduct	-0.43	
		For >50 To 100, Deduct	-2.14	
		For >100 To 500, Deduct	-4.49	
		For >500 To 1,000, Deduct	-7.61	
		For >1,000, Deduct	-9.31	
21 13 13 00-0253	EA	White Cover Plate For Concealed Sidewall Sprinkler Head	34.23	5.10
		For >25 To 50, Deduct	-0.43	
		For >50 To 100, Deduct	-2.14	
		For >100 To 500, Deduct	-4.49	
		For >500 To 1,000, Deduct	-7.61	
		For >1,000, Deduct	-9.31	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0254	EA		Off-White Cover Plate For Concealed Sidewall Sprinkler Head	43.55	5.10
			For >25 To 50, Deduct	-0.43	
			For >50 To 100, Deduct	-2.60	
			For >100 To 500, Deduct	-5.66	
			For >500 To 1,000, Deduct	-9.29	
			For >1,000, Deduct	-10.99	
21 13 13 00-0255	EA		Black Painted Cover Plate For Concealed Sidewall Sprinkler Head	43.55	5.10
			For >25 To 50, Deduct	-0.43	
			For >50 To 100, Deduct	-2.60	
			For >100 To 500, Deduct	-5.66	
			For >500 To 1,000, Deduct	-9.29	
			For >1,000, Deduct	-10.99	
21 13 13 00-0256	EA		Black Plated Cover Plate For Concealed Sidewall Sprinkler Head	50.93	5.10
			For >25 To 50, Deduct	-0.43	
			For >50 To 100, Deduct	-2.97	
			For >100 To 500, Deduct	-6.58	
			For >500 To 1,000, Deduct	-10.61	
			For >1,000, Deduct	-12.32	
21 13 13 00-0257	EA		Bright Brass Cover Plate For Concealed Sidewall Sprinkler Head	50.93	5.10
			For >25 To 50, Deduct	-0.43	
			For >50 To 100, Deduct	-2.97	
			For >100 To 500, Deduct	-6.58	
			For >500 To 1,000, Deduct	-10.61	
			For >1,000, Deduct	-12.32	
21 13 13 00-0258	EA		Satin Chrome Cover Plate For Concealed Sidewall Sprinkler Head	50.93	5.10
			For >25 To 50, Deduct	-0.43	
			For >50 To 100, Deduct	-2.97	
			For >100 To 500, Deduct	-6.58	
			For >500 To 1,000, Deduct	-10.61	
			For >1,000, Deduct	-12.32	
21 13 13 00-0259	EA		Specialty Cover Plate For Concealed Sidewall Sprinkler Head	43.59	5.10
			For >25 To 50, Deduct	-0.43	
			For >50 To 100, Deduct	-2.61	
			For >100 To 500, Deduct	-5.66	
			For >500 To 1,000, Deduct	-9.29	
			For >1,000, Deduct	-10.99	
21 13 13 00-0260	EA		White Cover Plate For Quick Release Concealed Sidewall Sprinkler Head	75.81	6.01
			For >25 To 50, Deduct	-0.50	
			For >50 To 100, Deduct	-4.29	
			For >100 To 500, Deduct	-9.73	
			For >500 To 1,000, Deduct	-15.35	
			For >1,000, Deduct	-17.35	
21 13 13 00-0261			Sprinkler Escutcheon Extension Tube (21 13 13 00-0200)		
21 13 13 00-0262	EA		2.18" Diameter x 4" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube	16.57	3.01
			Note: For use with 2 piece escutcheons		
			For >25 To 50, Deduct	-0.25	
			For >50 To 100, Deduct	-1.08	
			For >100 To 500, Deduct	-2.20	
			For >500 To 1,000, Deduct	-3.83	
			For >1,000, Deduct	-4.83	
21 13 13 00-0263	EA		2.18" Diameter x 6" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube	21.96	3.16
			Note: For use with 2 piece escutcheons		
			For >25 To 50, Deduct	-0.26	
			For >50 To 100, Deduct	-1.36	
			For >100 To 500, Deduct	-2.88	
			For >500 To 1,000, Deduct	-4.85	
			For >1,000, Deduct	-5.90	
21 13 13 00-0264	EA		2.18" Diameter x 8" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube	28.00	3.31
			Note: For use with 2 piece escutcheons		
			For >25 To 50, Deduct	-0.28	
			For >50 To 100, Deduct	-1.68	
			For >100 To 500, Deduct	-3.64	
			For >500 To 1,000, Deduct	-5.98	
			For >1,000, Deduct	-7.08	
21 13 13 00-0265	EA		2.18" Diameter x 10" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube	33.40	3.46
			Note: For use with 2 piece escutcheons		
			For >25 To 50, Deduct	-0.29	
			For >50 To 100, Deduct	-1.96	
			For >100 To 500, Deduct	-4.32	
			For >500 To 1,000, Deduct	-6.99	
			For >1,000, Deduct	-8.14	
21 13 13 00-0266			Sprinkler Head Guards (21 13 13 00-0200)		
21 13 13 00-0267	EA		Universal Sprinkler Head Guard, C-1	22.38	9.02
			For >25 To 50, Deduct	-0.75	
			For >50 To 100, Deduct	-1.87	
			For >100 To 500, Deduct	-3.17	
			For >500 To 1,000, Deduct	-6.58	
			For >1,000, Deduct	-9.59	
21 13 13 00-0268	EA		Dry Pendent Sprinkler Head Guard, C-2	25.23	9.02
			For >25 To 50, Deduct	-0.75	
			For >50 To 100, Deduct	-2.01	
			For >100 To 500, Deduct	-3.53	
			For >500 To 1,000, Deduct	-7.09	
			For >1,000, Deduct	-10.10	

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

21 13 13 00-0269	EA	Upright Sprinkler Head Guard With Water Shield, C-3	30.09	9.02
		For >25 To 50, Deduct	-0.75	
		For >50 To 100, Deduct	-2.26	
		For >100 To 500, Deduct	-4.14	
		For >500 To 1,000, Deduct	-7.97	
		For >1,000, Deduct	-10.97	
21 13 13 00-0270	EA	Pendent Sprinkler Head Guard With Water Shield, C-5	36.09	9.02
		For >25 To 50, Deduct	-0.75	
		For >50 To 100, Deduct	-2.56	
		For >100 To 500, Deduct	-4.89	
		For >500 To 1,000, Deduct	-9.05	
		For >1,000, Deduct	-12.05	
21 13 13 00-0271	EA	Universal Sprinkler Head Guard, D-1	25.12	9.02
		For >25 To 50, Deduct	-0.75	
		For >50 To 100, Deduct	-2.01	
		For >100 To 500, Deduct	-3.52	
		For >500 To 1,000, Deduct	-7.08	
		For >1,000, Deduct	-10.08	
21 13 13 00-0272	EA	Upright Sprinkler Head Guard With Water Shield, D-3	26.97	9.02
		For >25 To 50, Deduct	-0.75	
		For >50 To 100, Deduct	-2.10	
		For >100 To 500, Deduct	-3.75	
		For >500 To 1,000, Deduct	-7.41	
		For >1,000, Deduct	-10.41	
21 13 13 00-0273	EA	Pendent Sprinkler Head Guard With Large Water Shield, D-4	40.72	9.02
		For >25 To 50, Deduct	-0.75	
		For >50 To 100, Deduct	-2.79	
		For >100 To 500, Deduct	-5.47	
		For >500 To 1,000, Deduct	-9.88	
		For >1,000, Deduct	-12.89	
21 13 13 00-0274	EA	Pendent Sprinkler Head Guard With Small Water Shield, D-5	37.97	9.02
		For >25 To 50, Deduct	-0.75	
		For >50 To 100, Deduct	-2.65	
		For >100 To 500, Deduct	-5.12	
		For >500 To 1,000, Deduct	-9.39	
		For >1,000, Deduct	-12.39	

21 13 13 00-0275 Replacement Sprinkler Escutcheon (21 13 13 00-0200)

21 13 13 00-0276	EA	Push On, Brass Replacement Sprinkler Escutcheon	11.36	3.31
		For >25 To 50, Deduct	-0.25	
		For >50 To 100, Deduct	-0.82	
		For >100 To 500, Deduct	-1.55	
		For >500 To 1,000, Deduct	-2.89	
		For >1,000, Deduct	-3.89	
21 13 13 00-0277	EA	Push On, Chrome Replacement Sprinkler Escutcheon	11.28	3.31
		For >25 To 50, Deduct	-0.25	
		For >50 To 100, Deduct	-0.81	
		For >100 To 500, Deduct	-1.54	
		For >500 To 1,000, Deduct	-2.88	
		For >1,000, Deduct	-3.88	
21 13 13 00-0278	EA	Push On, White Replacement Sprinkler Escutcheon	11.28	3.31
		For >25 To 50, Deduct	-0.25	
		For >50 To 100, Deduct	-0.81	
		For >100 To 500, Deduct	-1.54	
		For >500 To 1,000, Deduct	-2.88	
		For >1,000, Deduct	-3.88	
21 13 13 00-0279	EA	Flush, Brass Replacement Sprinkler Escutcheon	11.28	3.31
		For >25 To 50, Deduct	-0.25	
		For >50 To 100, Deduct	-0.81	
		For >100 To 500, Deduct	-1.54	
		For >500 To 1,000, Deduct	-2.88	
		For >1,000, Deduct	-3.88	
21 13 13 00-0280	EA	Flush, Chrome Replacement Sprinkler Escutcheon	11.28	3.31
		For >25 To 50, Deduct	-0.25	
		For >50 To 100, Deduct	-0.81	
		For >100 To 500, Deduct	-1.54	
		For >500 To 1,000, Deduct	-2.88	
		For >1,000, Deduct	-3.88	
21 13 13 00-0281	EA	Flush, White Replacement Sprinkler Escutcheon	14.08	3.31
		For >25 To 50, Deduct	-0.25	
		For >50 To 100, Deduct	-0.95	
		For >100 To 500, Deduct	-1.89	
		For >500 To 1,000, Deduct	-3.38	
		For >1,000, Deduct	-4.38	
21 13 13 00-0282	EA	Deep, Brass Replacement Sprinkler Escutcheon	11.28	3.31
		For >25 To 50, Deduct	-0.25	
		For >50 To 100, Deduct	-0.81	
		For >100 To 500, Deduct	-1.54	
		For >500 To 1,000, Deduct	-2.88	
		For >1,000, Deduct	-3.88	
21 13 13 00-0283	EA	Deep, Chrome Replacement Sprinkler Escutcheon	11.28	3.31
		For >25 To 50, Deduct	-0.25	
		For >50 To 100, Deduct	-0.81	
		For >100 To 500, Deduct	-1.54	
		For >500 To 1,000, Deduct	-2.88	
		For >1,000, Deduct	-3.88	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0284	EA		Deep, White Replacement Sprinkler Escutcheon	11.28	3.31
			For >25 To 50, Deduct	-0.25	
			For >50 To 100, Deduct	-0.81	
			For >100 To 500, Deduct	-1.54	
			For >500 To 1,000, Deduct	-2.88	
			For >1,000, Deduct	-3.88	
21 13 13 00-0285			Pendent Shield And O-Ring Assembly (21 13 13 00-0200)		
21 13 13 00-0286	EA		Pendent Shield And O-Ring Assembly	17.56	6.61
			For >25 To 50, Deduct	-0.50	
			For >50 To 100, Deduct	-1.38	
			For >100 To 500, Deduct	-2.45	
			For >500 To 1,000, Deduct	-4.86	
			For >1,000, Deduct	-6.86	
21 13 13 00-0287			Replacement Insulating Sealing Assembly (21 13 13 00-0200)		
21 13 13 00-0288	EA		Insulating Sealing Assembly	75.43	15.02
			For >100 To 500, Deduct	-10.18	
			For >500 To 1,000, Deduct	-18.68	
21 13 13 00-0289			Flexible Sprinkler Piping (21 13 13 00-0011)		
			Note: 1" Diameter stainless steel flexible pipe with either 1/2" or 3/4" outlet.		
21 13 13 00-0290	EA		2' Long, 3/4" Stainless Steel Flexible Sprinkler Piping	74.13	15.52
			Note: Includes ceiling mounting bracket.		
			For >25 To 50, Deduct	-1.56	
			For >50 To 100, Deduct	-5.27	
			For >100 To 500, Deduct	-10.05	
			For >500 To 1,000, Deduct	-18.66	
			For >1,000, Deduct	-24.92	
21 13 13 00-0291	EA		3' Long, 3/4" Stainless Steel Flexible Sprinkler Piping	82.31	16.02
			Note: Includes ceiling mounting bracket.		
			For >25 To 50, Deduct	-1.65	
			For >50 To 100, Deduct	-5.76	
			For >100 To 500, Deduct	-11.11	
			For >500 To 1,000, Deduct	-20.42	
			For >1,000, Deduct	-27.00	
21 13 13 00-0292	EA		4' Long, 3/4" Stainless Steel Flexible Sprinkler Piping	90.62	17.02
			Note: Includes ceiling mounting bracket.		
			For >25 To 50, Deduct	-1.74	
			For >50 To 100, Deduct	-6.27	
			For >100 To 500, Deduct	-12.20	
			For >500 To 1,000, Deduct	-22.22	
			For >1,000, Deduct	-29.17	
21 13 13 00-0293	EA		5' Long, 3/4" Stainless Steel Flexible Sprinkler Piping	99.20	18.02
			Note: Includes ceiling mounting bracket.		
			For >25 To 50, Deduct	-1.84	
			For >50 To 100, Deduct	-6.80	
			For >100 To 500, Deduct	-13.32	
			For >500 To 1,000, Deduct	-24.11	
			For >1,000, Deduct	-31.48	
21 13 13 00-0294	EA		6' Long, 3/4" Stainless Steel Flexible Sprinkler Piping	108.01	20.03
			Note: Includes ceiling mounting bracket.		
			For >25 To 50, Deduct	-1.96	
			For >50 To 100, Deduct	-7.36	
			For >100 To 500, Deduct	-14.48	
			For >500 To 1,000, Deduct	-26.09	
			For >1,000, Deduct	-33.91	
21 13 13 00-0295			Sprinkler Emergency Cabinets (21 13 13 00-0011)		
21 13 13 00-0296	EA		3 Capacity Emergency Sprinkler Cabinet, A4	115.50	
21 13 13 00-0297	EA		6 Capacity Emergency Sprinkler Cabinet, A4	120.51	
21 13 13 00-0298	EA		12 Capacity Emergency Sprinkler Cabinet, A4	130.34	
21 13 13 00-0299	EA		12 Capacity Emergency Sprinkler Cabinet, A3	429.05	
21 13 13 00-0300	EA		Sprinkler Wrench, RC1	216.44	
21 13 13 00-0301	EA		Sprinkler Wrench, FC	215.59	
21 13 13 00-0302	EA		Sprinkler Wrench, W2	71.58	
21 13 16			Dry-Pipe Sprinkler Systems (21 13)		
21 13 16 00-0001			Complete Dry Pipe Sprinkler Systems Assembly (21 13 16)		
			Note: Includes all branch line piping (standard weight threaded black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc. From riser pipe and mains. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks. Not for use where detail is available. For sprinkler repairs or sprinkler head replacements use specific pipe, fittings, hangers, valves, and sprinkler head components. See CSI section 23 21 13 23-1440 for individual grooved pipe, 23 21 13 23-1513 for individual grooved pipe fittings.		
21 13 16 00-0002			Light Hazard, Dry-Pipe Sprinkler System Assemblies (21 13 16 00-0001)		

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR		DESCRIPTION	TOTAL DIRECT		DEMOLITION
CSI	UOM		UNIT COST	UNIT COST	
21 13 16 00-0003	EA	Exposed Piping, Light Hazard, Per Head, Dry-Pipe Sprinkler System Assembly	1,000.87		
		Note: Includes branch pipe and fittings, supports and sprinkler heads.			
		For Up To 5, Add	435.49		
		For >5 To 10, Add	187.94		
		For >10 To 20, Add	152.80		
		For >20 To 40, Add	67.62		
		For >100 To 150, Deduct	-100.09		
		For >150, Deduct	-200.17		
		For Copper Pipe, Add	132.56		
		For Polyvinyl Chloride (PVC) Pipe, Deduct	-182.60		
21 13 16 00-0004	EA	Concealed Piping, Light Hazard, Per Head, Dry-Pipe Sprinkler System Assembly	1,174.79		
		Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.			
		For Up To 5, Add	517.59		
		For >5 To 10, Add	236.66		
		For >10 To 20, Add	188.99		
		For >20 To 40, Add	82.58		
		For >100 To 150, Deduct	-117.48		
		For >150, Deduct	-234.96		
		For Copper Pipe, Add	152.38		
		For Polyvinyl Chloride (PVC) Pipe, Deduct	-211.12		
		For Work In Restricted Working Space, Add	143.02		
21 13 16 00-0005		Ordinary Hazard, Dry-Pipe Sprinkler System Assemblies (21 13 16 00-0001)			
21 13 16 00-0006	EA	Exposed Piping, Ordinary Hazard, Per Head, Dry-Pipe Sprinkler System Assembly	965.59		
		Note: Includes branch pipe and fittings, supports and sprinkler heads.			
		For Up To 5, Add	420.94		
		For >5 To 10, Add	183.32		
		For >10 To 20, Add	148.62		
		For >20 To 40, Add	65.63		
		For >100 To 150, Deduct	-96.56		
		For >150, Deduct	-193.12		
		For Copper Pipe, Add	127.49		
		For Polyvinyl Chloride (PVC) Pipe, Deduct	-175.77		
21 13 16 00-0007	EA	Concealed Piping, Ordinary Hazard, Per Head, Dry-Pipe Sprinkler System Assembly	1,135.87		
		Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.			
		For Up To 5, Add	501.45		
		For >5 To 10, Add	231.33		
		For >10 To 20, Add	184.23		
		For >20 To 40, Add	80.34		
		For >100 To 150, Deduct	-113.59		
		For >150, Deduct	-227.17		
		For Copper Pipe, Add	146.83		
		For Polyvinyl Chloride (PVC) Pipe, Deduct	-203.63		
		For Work In Restricted Working Space, Add	141.29		
21 13 16 00-0008		Extra Hazard, Dry-Pipe Sprinkler System Assemblies (21 13 16 00-0001)			
21 13 16 00-0009	EA	Exposed Piping, Extra Hazard, Per Head, Dry-Pipe Sprinkler System Assembly	909.47		
		Note: Includes branch pipe and fittings, supports and sprinkler heads.			
		For Up To 5, Add	396.13		
		For >5 To 10, Add	171.80		
		For >10 To 20, Add	139.46		
		For >20 To 40, Add	61.64		
		For >100 To 150, Deduct	-90.95		
		For >150, Deduct	-181.89		
		For Copper Pipe, Add	120.25		
		For Polyvinyl Chloride (PVC) Pipe, Deduct	-165.72		
21 13 16 00-0010	EA	Concealed Piping, Extra Hazard, Per Head, Dry-Pipe Sprinkler System Assembly	1,056.99		
		Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.			
		For Up To 5, Add	466.66		
		For >5 To 10, Add	215.37		
		For >10 To 20, Add	171.50		
		For >20 To 40, Add	74.78		
		For >100 To 150, Deduct	-105.70		
		For >150, Deduct	-211.40		
		For Copper Pipe, Add	136.62		
		For Polyvinyl Chloride (PVC) Pipe, Deduct	-189.46		
		For Work In Restricted Working Space, Add	131.60		
21 13 16 00-0011		Dry-Pipe Sprinkler System Compressors (21 13 16 00-0001)			
21 13 16 00-0012	EA	Dry System Air Compressor, 3/4 HP With Alarm Valve Flange With Gauge	2,565.50	306.91	
21 13 16 00-0013	EA	Dry System Air Compressor, 1 HP With Alarm Valve Flange With Gauge	2,682.02	306.91	
21 13 16 00-0014	EA	Dry System Air Compressor, 1-1/2 HP With Alarm Valve Flange With Gauge	2,780.34	306.91	
21 13 16 00-0015	EA	Dry System Air Compressor, 2 HP With Alarm Valve Flange With Gauge	3,162.67	306.91	
21 13 16 00-0016		Dry Pipe Sprinkler System Components (21 13 16)			
21 13 16 00-0017		Dry Pipe Valves (21 13 16 00-0016)			
		Note: Excludes trim package See CSI section 21 13 16 00-0023 for Dry Pipe Valve Trim.			
21 13 16 00-0018	EA	2-1/2" Dry Pipe Valve.....	4,095.08	191.84	
21 13 16 00-0019	EA	3" Dry Pipe Valve.....	4,557.44	219.74	
21 13 16 00-0020	EA	4" Dry Pipe Valve.....	5,043.19	373.21	
21 13 16 00-0021	EA	6" Dry Pipe Valve.....	6,396.21	470.88	
21 13 16 00-0022	EA	8" Dry Pipe Valve.....	9,836.33	474.36	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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21 13 16 00-0023 Dry Pipe Valve Trim (21 13 16 00-0016)				
Note: Includes gauges, pressure switch, air supply and drain lines.				
21 13 16 00-0024	EA	2-1/2" Dry Pipe Valve Trim	2,039.85	270.67
		For Accelerator and Trim, Add	1,347.97	
		For Priming Chamber, Add	217.02	
21 13 16 00-0025	EA	3" Dry Pipe Valve Trim	2,081.70	297.64
		For Accelerator and Trim, Add	1,347.97	
		For Priming Chamber, Add	217.02	
21 13 16 00-0026	EA	4" Dry Pipe Valve Trim	2,323.29	371.12
		For Accelerator and Trim, Add	1,347.97	
		For Priming Chamber, Add	217.02	
21 13 16 00-0027	EA	6" Dry Pipe Valve Trim	2,444.22	446.46
		For Accelerator and Trim, Add	1,347.97	
		For Priming Chamber, Add	217.02	
21 13 16 00-0028	EA	8" Dry Pipe Valve Trim	2,754.97	502.28
		For Accelerator and Trim, Add	1,347.97	
		For Priming Chamber, Add	217.02	
21 13 16 00-0029 Dry Pipe Fire Protection Air Compressors (21 13 16 00-0016)				
21 13 16 00-0030	EA	1.46 CFM, 1/6 HP, 125 Gallon Capacity, Oil-Less, Riser Mount, Fire Protection Air Compressors	1,475.28	170.72
21 13 16 00-0031	EA	3.03 CFM, 1/3 HP, 250 Gallon Capacity, Oil-Less, Riser Mount, Fire Protection Air Compressors	1,789.98	181.73
21 13 16 00-0032	EA	4.85 CFM, 1/2 HP, 400 Gallon Capacity, Oil-Less, Riser Mount, Fire Protection Air Compressors	2,290.22	193.84
21 13 16 00-0033	EA	6.06 CFM, 3/4 HP, 500 Gallon Capacity, Oil-Less, Riser Mount, Fire Protection Air Compressors	2,495.25	223.58
21 13 16 00-0034	EA	7.28 CFM, 1 HP, 600 Gallon Capacity, Oil-Less, Riser Mount, Fire Protection Air Compressors	3,088.36	264.33
21 13 16 00-0035	EA	11.1 CFM, 1-1/2 HP, 915 Gallon Capacity, Oil-Less, Riser Mount, Fire Protection Air Compressors	3,900.58	279.75
21 13 16 00-0036	EA	14.85 CFM, 2 HP, 1225 Gallon Capacity, Oil-Less, Riser Mount, Fire Protection Air Compressors	4,725.19	290.77
21 13 16 00-0037 Dry Pipe Fire Protection Nitrogen Generator (21 13 16 00-0016)				
21 13 16 00-0038	EA	675 Gallon Total System Capacity, Wall Mount, Fire Protection Nitrogen Generator	10,681.80	264.33
21 13 16 00-0039	EA	950 Gallon Total System Capacity, Wall Mount, Fire Protection Nitrogen Generator	11,851.94	279.75
21 13 16 00-0040	EA	2,000 Gallon Total System Capacity, Wall Mount, Fire Protection Nitrogen Generator	16,835.76	363.46
21 13 16 00-0041 Recessed Pendent Dry Pipe Sprinkler Heads, Quick Response (21 13 16 00-0016)				
21 13 16 00-0042	EA	3-1/2" To 5-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	254.93	19.83
		For >25 To 50, Deduct	-3.00	
		For >50 To 100, Deduct	-15.75	
		For >100 To 500, Deduct	-33.37	
		For >500 To 1,000, Deduct	-56.10	
		For >1,000, Deduct	-68.11	
21 13 16 00-0043	EA	6" To 8-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	266.15	19.83
		For >25 To 50, Deduct	-3.00	
		For >50 To 100, Deduct	-16.31	
		For >100 To 500, Deduct	-34.77	
		For >500 To 1,000, Deduct	-58.12	
		For >1,000, Deduct	-70.13	
21 13 16 00-0044	EA	9" To 11-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	277.39	19.83
		For >25 To 50, Deduct	-3.00	
		For >50 To 100, Deduct	-16.87	
		For >100 To 500, Deduct	-36.18	
		For >500 To 1,000, Deduct	-60.14	
		For >1,000, Deduct	-72.16	
21 13 16 00-0045	EA	12" To 14-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	288.64	19.83
		For >25 To 50, Deduct	-3.00	
		For >50 To 100, Deduct	-17.44	
		For >100 To 500, Deduct	-37.58	
		For >500 To 1,000, Deduct	-62.17	
		For >1,000, Deduct	-74.18	
21 13 16 00-0046	EA	15" To 17-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	299.88	19.83
		For >25 To 50, Deduct	-3.00	
		For >50 To 100, Deduct	-18.00	
		For >100 To 500, Deduct	-38.99	
		For >500 To 1,000, Deduct	-64.19	
		For >1,000, Deduct	-76.20	
21 13 16 00-0047	EA	18" To 20-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	311.11	19.83
		For >25 To 50, Deduct	-3.00	
		For >50 To 100, Deduct	-18.56	
		For >100 To 500, Deduct	-40.39	
		For >500 To 1,000, Deduct	-66.21	
		For >1,000, Deduct	-78.23	
21 13 16 00-0048	EA	21" To 23-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	322.33	19.83
		For >25 To 50, Deduct	-3.00	
		For >50 To 100, Deduct	-19.12	
		For >100 To 500, Deduct	-41.79	
		For >500 To 1,000, Deduct	-68.23	
		For >1,000, Deduct	-80.25	
21 13 16 00-0049	EA	24" To 26-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	333.59	19.83
		For >25 To 50, Deduct	-3.00	
		For >50 To 100, Deduct	-19.68	
		For >100 To 500, Deduct	-43.20	
		For >500 To 1,000, Deduct	-70.26	
		For >1,000, Deduct	-82.27	

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

21 13 16 00-0050	EA	27" To 29-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	344.80	19.83
		For >25 To 50, Deduct	-3.00	
		For >50 To 100, Deduct	-20.24	
		For >100 To 500, Deduct	-44.60	
		For >500 To 1,000, Deduct	-72.28	
		For >1,000, Deduct	-84.29	
21 13 16 00-0051	EA	30" To 32-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	356.04	19.83
		For >25 To 50, Deduct	-3.00	
		For >50 To 100, Deduct	-20.81	
		For >100 To 500, Deduct	-46.01	
		For >500 To 1,000, Deduct	-74.30	
		For >1,000, Deduct	-86.31	
21 13 16 00-0052	EA	33" To 35-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	367.29	19.83
		For >25 To 50, Deduct	-3.00	
		For >50 To 100, Deduct	-21.37	
		For >100 To 500, Deduct	-47.41	
		For >500 To 1,000, Deduct	-76.32	
		For >1,000, Deduct	-88.34	
21 13 16 00-0053	EA	36" To 38-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	378.53	19.83
		For >25 To 50, Deduct	-3.00	
		For >50 To 100, Deduct	-21.93	
		For >100 To 500, Deduct	-48.82	
		For >500 To 1,000, Deduct	-78.35	
		For >1,000, Deduct	-90.36	
21 13 16 00-0054	EA	39" To 41-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	389.78	19.83
		For >25 To 50, Deduct	-3.00	
		For >50 To 100, Deduct	-22.49	
		For >100 To 500, Deduct	-50.22	
		For >500 To 1,000, Deduct	-80.37	
		For >1,000, Deduct	-92.39	
21 13 16 00-0055	EA	42" To 44-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	400.99	19.83
		For >25 To 50, Deduct	-3.00	
		For >50 To 100, Deduct	-23.05	
		For >100 To 500, Deduct	-51.63	
		For >500 To 1,000, Deduct	-82.39	
		For >1,000, Deduct	-94.40	
21 13 16 00-0056	EA	45" To 48" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	412.24	19.83
		For >25 To 50, Deduct	-3.00	
		For >50 To 100, Deduct	-23.62	
		For >100 To 500, Deduct	-53.03	
		For >500 To 1,000, Deduct	-84.42	
		For >1,000, Deduct	-96.43	

21 13 16 00-0057 Sidewall Dry Pipe Sprinkler Heads, Quick Response (21 13 16 00-0016)

21 13 16 00-0058	EA	3-1/2" To 5-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	252.23	19.83
		For >25 To 50, Deduct	-3.00	
		For >50 To 100, Deduct	-15.62	
		For >100 To 500, Deduct	-33.03	
		For >500 To 1,000, Deduct	-55.61	
		For >1,000, Deduct	-67.63	
21 13 16 00-0059	EA	6" To 8-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	263.47	19.83
		For >25 To 50, Deduct	-3.00	
		For >50 To 100, Deduct	-16.18	
		For >100 To 500, Deduct	-34.44	
		For >500 To 1,000, Deduct	-57.64	
		For >1,000, Deduct	-69.65	
21 13 16 00-0060	EA	9" To 11-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	274.73	19.83
		For >25 To 50, Deduct	-3.00	
		For >50 To 100, Deduct	-16.74	
		For >100 To 500, Deduct	-35.84	
		For >500 To 1,000, Deduct	-59.66	
		For >1,000, Deduct	-71.68	
21 13 16 00-0061	EA	12" To 14-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	285.93	19.83
		For >25 To 50, Deduct	-3.00	
		For >50 To 100, Deduct	-17.30	
		For >100 To 500, Deduct	-37.24	
		For >500 To 1,000, Deduct	-61.68	
		For >1,000, Deduct	-73.69	
21 13 16 00-0062	EA	15" To 17-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	297.18	19.83
		For >25 To 50, Deduct	-3.00	
		For >50 To 100, Deduct	-17.86	
		For >100 To 500, Deduct	-38.65	
		For >500 To 1,000, Deduct	-63.70	
		For >1,000, Deduct	-75.72	
21 13 16 00-0063	EA	18" To 20-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	308.39	19.83
		For >25 To 50, Deduct	-3.00	
		For >50 To 100, Deduct	-18.42	
		For >100 To 500, Deduct	-40.05	
		For >500 To 1,000, Deduct	-65.72	
		For >1,000, Deduct	-77.74	
21 13 16 00-0064	EA	21" To 23-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	319.67	19.83
		For >25 To 50, Deduct	-3.00	
		For >50 To 100, Deduct	-18.99	
		For >100 To 500, Deduct	-41.46	
		For >500 To 1,000, Deduct	-67.75	
		For >1,000, Deduct	-79.77	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 16 00-0065	EA		24" To 26-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	330.90	19.83
			For >25 To 50, Deduct	-3.00	
			For >50 To 100, Deduct	-19.55	
			For >100 To 500, Deduct	-42.86	
			For >500 To 1,000, Deduct	-69.77	
			For >1,000, Deduct	-81.79	
21 13 16 00-0066	EA		27" To 29-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	342.11	19.83
			For >25 To 50, Deduct	-3.00	
			For >50 To 100, Deduct	-20.11	
			For >100 To 500, Deduct	-44.27	
			For >500 To 1,000, Deduct	-71.79	
			For >1,000, Deduct	-83.81	
21 13 16 00-0067	EA		30" To 32-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	353.34	19.83
			For >25 To 50, Deduct	-3.00	
			For >50 To 100, Deduct	-20.67	
			For >100 To 500, Deduct	-45.67	
			For >500 To 1,000, Deduct	-73.81	
			For >1,000, Deduct	-85.83	
21 13 16 00-0068	EA		33" To 35-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	364.59	19.83
			For >25 To 50, Deduct	-3.00	
			For >50 To 100, Deduct	-21.23	
			For >100 To 500, Deduct	-47.08	
			For >500 To 1,000, Deduct	-75.84	
			For >1,000, Deduct	-87.85	
21 13 16 00-0069	EA		36" To 38-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	375.82	19.83
			For >25 To 50, Deduct	-3.00	
			For >50 To 100, Deduct	-21.79	
			For >100 To 500, Deduct	-48.48	
			For >500 To 1,000, Deduct	-77.86	
			For >1,000, Deduct	-89.87	
21 13 16 00-0070	EA		39" To 41-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	409.54	19.83
			For >25 To 50, Deduct	-3.00	
			For >50 To 100, Deduct	-23.48	
			For >100 To 500, Deduct	-52.69	
			For >500 To 1,000, Deduct	-83.93	
			For >1,000, Deduct	-95.94	
21 13 16 00-0071	EA		42" To 44-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	420.78	19.83
			For >25 To 50, Deduct	-3.00	
			For >50 To 100, Deduct	-24.04	
			For >100 To 500, Deduct	-54.10	
			For >500 To 1,000, Deduct	-85.95	
			For >1,000, Deduct	-97.97	
21 13 16 00-0072	EA		45" To 48" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	425.26	19.83
			For >25 To 50, Deduct	-3.00	
			For >50 To 100, Deduct	-24.27	
			For >100 To 500, Deduct	-54.66	
			For >500 To 1,000, Deduct	-86.76	
			For >1,000, Deduct	-98.77	
21 13 16 00-0073			Pendent Dry Pipe Sprinkler Head, Early Suppression, Fast Response (21 13 16 00-0016)		
21 13 16 00-0074	EA		23" Length, 1-1/4" NPT Thread, K=16.8, Early Suppression, Fast Response, Brass Pendent Dry Pipe Sprinkler Head	1,209.49	19.83
			For >25 To 50, Deduct	-3.25	
			For >50 To 100, Deduct	-63.73	
			For >100 To 500, Deduct	-152.81	
			For >500 To 1,000, Deduct	-228.77	
			For >1,000, Deduct	-241.79	
21 13 16 00-0075	EA		30" Length, 1-1/4" NPT Thread, K=16.8, Early Suppression, Fast Response, Brass Pendent Dry Pipe Sprinkler Head	1,209.49	19.83
			For >25 To 50, Deduct	-3.25	
			For >50 To 100, Deduct	-63.73	
			For >100 To 500, Deduct	-152.81	
			For >500 To 1,000, Deduct	-228.77	
			For >1,000, Deduct	-241.79	
21 13 16 00-0076	EA		36" Length, 1-1/4" NPT Thread, K=16.8, Early Suppression, Fast Response, Brass Pendent Dry Pipe Sprinkler Head	1,209.49	19.83
			For >25 To 50, Deduct	-3.25	
			For >50 To 100, Deduct	-63.73	
			For >100 To 500, Deduct	-152.81	
			For >500 To 1,000, Deduct	-228.77	
			For >1,000, Deduct	-241.79	
21 13 16 00-0077	EA		36" Length, 1-1/4" ISO Thread, K=16.8, Early Suppression, Fast Response, Brass Pendent Dry Pipe Sprinkler Head	1,209.49	19.83
			For >25 To 50, Deduct	-3.25	
			For >50 To 100, Deduct	-63.73	
			For >100 To 500, Deduct	-152.81	
			For >500 To 1,000, Deduct	-228.77	
			For >1,000, Deduct	-241.79	

21 13 19 Preaction Sprinkler Systems (21 13)

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

21 13 19 00-0001		Complete Preaction Sprinkler Systems Assemblies (21 13 19)		
		Note: Includes all branch line piping (standard weight threaded black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc. From riser pipe and mains. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks. Not for use where detail is available. For sprinkler repairs or sprinkler head replacements use specific pipe, fittings, hangers, valves, and sprinkler head components. See CSI section 23 21 13 23-1440 for individual grooved pipe, 23 21 13 23-1513 for individual grooved pipe fittings.		
21 13 19 00-0002		Ordinary Hazard, Preaction Sprinkler System Assemblies (21 13 19 00-0001)		
21 13 19 00-0003	EA	Exposed Piping, Ordinary Hazard, Per Head, Preaction Sprinkler System Assembly	879.35	
		Note: Includes branch pipe and fittings, supports and sprinkler heads.		
		For Up To 5, Add	386.45	
		For >5 To 10, Add	227.93	
		For >10 To 20, Add	139.99	
		For >20 To 40, Add	61.32	
		For >100 To 150, Deduct	-87.94	
		For >150, Deduct	-175.87	
21 13 19 00-0004		Extra Hazard, Preaction Sprinkler System Assemblies (21 13 19 00-0001)		
21 13 19 00-0005	EA	Exposed Piping, Extra Hazard, Per Head, Preaction Sprinkler System Assembly	818.29	
		Note: Includes branch pipe and fittings, supports and sprinkler heads.		
		For Up To 5, Add	359.66	
		For >5 To 10, Add	212.17	
		For >10 To 20, Add	130.34	
		For >20 To 40, Add	57.08	
		For >100 To 150, Deduct	-81.83	
		For >150, Deduct	-163.66	
21 13 26		Deluge Fire-Suppression Sprinkler Systems (21 13)		
21 13 26 00-0001		Deluge Fire-Suppression Sprinkler Systems Equipment (21 13 26)		
21 13 26 00-0002		Deluge Valves, Wet-Pilot Activation With Required Trim And Release Equipment (21 13 26 00-0001)		
21 13 26 00-0003	EA	3" Deluge Valve, Wet-Pilot Activation With Trim And Release Equipment	7,743.34	556.29
		For Accelerator and Trim, Add	1,347.97	
		For Priming Chamber, Add	217.02	
		For Dry-Pilot Activation, Add	663.08	
21 13 26 00-0004	EA	4" Deluge Valve, Wet-Pilot Activation With Trim And Release Equipment	9,584.83	625.78
		For Accelerator and Trim, Add	1,347.97	
		For Priming Chamber, Add	217.02	
		For Dry-Pilot Activation, Add	833.33	
21 13 26 00-0005	EA	6" Deluge Valve, Wet-Pilot Activation With Trim And Release Equipment	11,351.93	910.24
		For Accelerator and Trim, Add	1,347.97	
		For Priming Chamber, Add	217.02	
		For Dry-Pilot Activation, Add	953.15	
21 13 26 00-0006	EA	8" Deluge Valve, Wet-Pilot Activation With Trim And Release Equipment	19,298.85	1,093.86
		For Accelerator and Trim, Add	1,347.97	
		For Priming Chamber, Add	217.02	
		For Dry-Pilot Activation, Add	1,711.11	
21 13 39		Foam-Water Systems (21 13)		
21 13 39 00-0001		Foam Control Valves And Monitors (21 13 39)		
21 13 39 00-0002		Control Valves (21 13 39 00-0001)		
21 13 39 00-0003	EA	3" Foam Control Valve	4,770.72	556.29
21 13 39 00-0004		Supply Valves (21 13 39 00-0001)		
21 13 39 00-0005	EA	2-1/2" Foam Supply Valve	4,096.84	625.78
21 13 39 00-0006		Proportioners (21 13 39 00-0001)		
21 13 39 00-0007	EA	8" Foam Proportioner	2,730.05	910.24
21 13 39 00-0008		Monitors (21 13 39 00-0001)		
21 13 39 00-0009	EA	Oscillating Foam Monitor	5,698.86	125.16
21 13 41		Fire-Suppression Sprinkler Piping (21 13)		
		See CSI section 23 21 13 23-0001 for threaded black steel piping, 23 21 13 23-0374 for welded black steel piping, 23 21 13 23-0842 for flanged black steel pipe fittings, 23 21 13 23-1440 for grooved pipe, 23 21 13 23-1513 for grooved pipe fittings, 33 14 13 13-0001 for ductile iron pipe and fittings.		
21 13 41 00-0001		Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe (21 13 41)		
		Note: SDR 13.5		
21 13 41 00-0002		Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe (21 13 41 00-0001)		
21 13 41 00-0003	LF	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	5.46	1.60
		For Work In Restricted Working Space, Add	1.20	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 41 00-0004	LF	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe <i>For Work In Restricted Working Space, Add</i>	6.55 1.29	1.70
21 13 41 00-0005	LF	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe <i>For Work In Restricted Working Space, Add</i>	8.23 1.41	1.91
21 13 41 00-0006	LF	1-1/2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe <i>For Work In Restricted Working Space, Add</i>	10.08 1.56	2.10
21 13 41 00-0007	LF	2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe <i>For Work In Restricted Working Space, Add</i>	12.96 1.74	2.30
21 13 41 00-0008	LF	2-1/2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe <i>For Work In Restricted Working Space, Add</i>	17.75 1.98	2.60
21 13 41 00-0009	LF	3" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe <i>For Work In Restricted Working Space, Add</i>	24.78 2.34	3.11
21 13 41 00-0010 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbows, Fire Sprinkler Piping (21 13 41 00-0001)				
21 13 41 00-0011	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	25.93 7.21	9.61
21 13 41 00-0012	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	34.27 9.04	12.01
21 13 41 00-0013	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	42.87 11.30	15.02
21 13 41 00-0014	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	49.04 12.50	16.62
21 13 41 00-0015	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	55.67 13.94	18.63
21 13 41 00-0016	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	70.56 15.86	21.13
21 13 41 00-0017	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	86.55 18.74	25.03
21 13 41 00-0018 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbows, Fire Sprinkler Piping (21 13 41 00-0001)				
21 13 41 00-0019	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	26.60 7.21	9.61
21 13 41 00-0020	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	33.20 9.04	12.01
21 13 41 00-0021	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	42.06 11.30	15.02
21 13 41 00-0022	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	47.75 12.50	16.62
21 13 41 00-0023	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	54.05 13.94	18.63
21 13 41 00-0024	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	66.49 15.86	21.13
21 13 41 00-0025	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	82.07 18.74	25.03
21 13 41 00-0026 Chlorinated Polyvinyl Chloride (CPVC) Tees, Fire Sprinkler Piping (21 13 41 00-0001)				
21 13 41 00-0027	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	38.61 10.81	14.42
21 13 41 00-0028	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	50.34 13.58	18.12
21 13 41 00-0029	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	64.12 16.94	22.63
21 13 41 00-0030	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	73.73 18.74	25.03
21 13 41 00-0031	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	86.37 20.90	27.83
21 13 41 00-0032	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	106.41 23.79	31.74
21 13 41 00-0033	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	125.72 28.12	37.44
21 13 41 00-0034 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tees, Fire Sprinkler Piping (21 13 41 00-0001)				
21 13 41 00-0035	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	46.48 12.65	16.92
21 13 41 00-0036	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	60.60 15.80	21.13
21 13 41 00-0037	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	67.89 17.48	23.33
21 13 41 00-0038	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	80.42 19.53	26.03
21 13 41 00-0039	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	95.07 22.20	29.64
21 13 41 00-0040	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	111.85 26.25	34.94
21 13 41 00-0041 Chlorinated Polyvinyl Chloride (CPVC) Crosses, Fire Sprinkler Piping (21 13 41 00-0001)				
21 13 41 00-0042	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	52.13 14.42	19.22

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
21 13 41 00-0043	EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	65.35 18.08		24.13	
21 13 41 00-0044	EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	82.34 22.59		30.14	
21 13 41 00-0045	EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	92.93 24.99		33.34	
21 13 41 00-0046	EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	108.78 27.88		37.15	
21 13 41 00-0047	EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	140.31 31.72		42.25	
21 13 41 00-0048	Chlorinated Polyvinyl Chloride (CPVC) Couplings, Fire Sprinkler Piping (21 13 41 00-0001)				
21 13 41 00-0049	EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	17.84 4.81		6.40	
21 13 41 00-0050	EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	23.90 6.46		8.61	
21 13 41 00-0051	EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	31.70 8.47		11.31	
21 13 41 00-0052	EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	36.18 9.37		12.51	
21 13 41 00-0053	EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	41.54 10.45		13.92	
21 13 41 00-0054	EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	49.90 11.90		15.82	
21 13 41 00-0055	EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	60.23 14.06		18.73	
21 13 41 00-0056	Chlorinated Polyvinyl Chloride (CPVC) Caps, Fire Sprinkler Piping (21 13 41 00-0001)				
21 13 41 00-0057	EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	9.10 2.40		3.21	
21 13 41 00-0058	EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	14.48 3.88		5.20	
21 13 41 00-0059	EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	16.63 4.24		5.61	
21 13 41 00-0060	EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	19.08 4.69		6.21	
21 13 41 00-0061	EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	22.65 5.23		7.01	
21 13 41 00-0062	EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	27.36 5.95		7.91	
21 13 41 00-0063	EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	35.64 7.03		9.41	
21 13 41 00-0064	Chlorinated Polyvinyl Chloride (CPVC) Reducer Bushing, Fire Sprinkler Piping (21 13 41 00-0001)				
21 13 41 00-0065	EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	25.15 7.12		9.51	
21 13 41 00-0066	EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	33.35 9.31		12.41	
21 13 41 00-0067	EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	36.86 10.31		13.71	
21 13 41 00-0068	EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	42.02 11.51		15.32	
21 13 41 00-0069	EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	49.96 13.10		17.43	
21 13 41 00-0070	EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	61.06 15.47		20.62	
21 13 41 00-0071	Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip x Female Pipe Thread, Fire Sprinkler Piping (21 13 41 00-0001)				
21 13 41 00-0072	EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip X Female Pipe Thread, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	22.36 5.29		7.01	
21 13 41 00-0073	EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip X Female Pipe Thread, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	28.75 7.12		9.51	
21 13 41 00-0074	Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping (21 13 41 00-0001)				
21 13 41 00-0075	EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	22.36 5.29		7.01	
21 13 41 00-0076	EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	28.75 7.12		9.51	
21 13 41 00-0077	Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping (21 13 41 00-0001)				

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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21 13 41 00-0078	EA		3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping26.04	26.04	8.61
			<i>For Work In Restricted Working Space, Add</i> .....6.49	6.49	
21 13 41 00-0079	EA		1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping .....33.32	33.32	10.81
			<i>For Work In Restricted Working Space, Add</i> .....8.14	8.14	
21 13 41 00-0080	EA		1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 3/4" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping .....34.67	34.67	10.81
			<i>For Work In Restricted Working Space, Add</i> .....8.14	8.14	

21 13 41 00-0081 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping (21 13 41 00-0001)

21 13 41 00-0082	EA		3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping .....42.74	42.74	14.42
			<i>For Work In Restricted Working Space, Add</i> .....10.81	10.81	
21 13 41 00-0083	EA		1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping .....52.51	52.51	18.12
			<i>For Work In Restricted Working Space, Add</i> .....13.58	13.58	
21 13 41 00-0084	EA		1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping .....68.54	68.54	22.63
			<i>For Work In Restricted Working Space, Add</i> .....16.94	16.94	
21 13 41 00-0085	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping .....78.41	78.41	25.03
			<i>For Work In Restricted Working Space, Add</i> .....18.74	18.74	
21 13 41 00-0086	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping .....92.06	92.06	27.83
			<i>For Work In Restricted Working Space, Add</i> .....20.90	20.90	

21 20 Fire-Extinguishing Systems (21)

21 21 Carbon-Dioxide Fire-Extinguishing Systems (21 20)

21 21 16 Carbon-Dioxide Fire-Extinguishing Equipment (21 21)

21 21 16 00-0001			Carbon Dioxide Cylinders (21 21 16)		
21 21 16 00-0002	EA		Carbon Dioxide Simplex Cylinder, 75 Lb. ....4,637.52	4,637.52	251.73
21 21 16 00-0003	EA		Carbon Dioxide Duplex Cylinder, 75 Lb. (Each) .....9,275.05	9,275.05	503.45
21 21 16 00-0004	EA		Carbon Dioxide Cylinder, Heat/Ion Detector, With Bracket .....501.68	501.68	124.62
21 21 16 00-0005	EA		Carbon Dioxide Cylinder, Dispersion Nozzle .....252.07	252.07	45.99
21 21 16 00-0006	LF		Carbon Dioxide Cylinder, 1/2" Rubber Tubing .....53.26	53.26	18.65

21 22 Clean-Agent Fire-Extinguishing Systems (21 20)

21 22 16 Clean-Agent Fire-Extinguishing Equipment (21 22)

21 22 16 00-0001			Ansul Fire Control Systems (21 22 16)		
21 22 16 00-0002			Sapphire® Fire Suppression Systems (21 22 16 00-0001) Note: ANSUL® SAPPHERE® fire suppression systems use 3M™ Novec™ 1230 fire protection fluid for total flooding applications.		
21 22 16 00-0003			Cylinders, Sapphire® Fire Suppression Systems (21 22 16 00-0002)		
21 22 16 00-0004	EA		20 Lb. Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570635) .....1,649.51	1,649.51	85.82
			Note: 10 to 21 Lb. tank capacity. Excludes Sapphire agent.		
21 22 16 00-0005	EA		40 Lb. Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570636) .....1,879.91	1,879.91	85.82
			Note: 20 to 46 Lb. tank capacity. Excludes Sapphire agent.		
21 22 16 00-0006	EA		80 Lb. Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570637) .....1,910.20	1,910.20	85.82
			Note: 41 to 80 Lb. tank capacity. Excludes Sapphire agent.		
21 22 16 00-0007	EA		140 Lb. Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570638) .....2,710.96	2,710.96	114.42
			Note: 58 to 138 Lb. tank capacity. Excludes Sapphire agent.		
21 22 16 00-0008	EA		280 Lb. Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570639) .....2,863.27	2,863.27	114.42
			Note: 116 to 280 Lb. tank capacity. Excludes Sapphire agent.		
21 22 16 00-0009	EA		390 Lb. Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570640) .....3,061.99	3,061.99	143.03
			Note: 161 to 388 Lb. tank capacity. Excludes Sapphire agent.		
21 22 16 00-0010	EA		450 Lb. Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570641) .....3,247.70	3,247.70	143.03
			Note: 194 to 459 Lb. tank capacity. Excludes Sapphire agent.		
21 22 16 00-0011	EA		850 Lb. Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570586) .....4,895.79	4,895.79	171.63
			Note: 375 to 851 Lb. tank capacity. Excludes Sapphire agent.		
21 22 16 00-0012	LB		Sapphire Agent. Fire Protection Fluid, Factory Filled (Novec 1230) .....41.15	41.15	171.63
			Note: Add to empty tank cost.		
21 22 16 00-0013			Nozzles, Sapphire® Fire Suppression Systems (21 22 16 00-0002)		
21 22 16 00-0014	EA		1/2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570515) .....158.32	158.32	14.30
21 22 16 00-0015	EA		3/4" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570516) .....162.24	162.24	14.30
21 22 16 00-0016	EA		1" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570517) .....172.08	172.08	14.30
21 22 16 00-0017	EA		1-1/4" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570518) .....178.96	178.96	14.30
21 22 16 00-0018	EA		1-1/2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570519) .....188.78	188.78	14.30
21 22 16 00-0019	EA		2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570520) .....218.25	218.25	14.30
21 22 16 00-0020	EA		1/2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570602) .....158.32	158.32	14.30
21 22 16 00-0021	EA		3/4" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570603) .....162.24	162.24	14.30
21 22 16 00-0022	EA		1" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570604) .....172.08	172.08	14.30
21 22 16 00-0023	EA		1-1/4" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570605) .....178.96	178.96	14.30
21 22 16 00-0024	EA		1-1/2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570606) .....188.78	188.78	14.30

21 Fire Suppression
21 20 Fire-Extinguishing Systems
21 22 Clean-Agent Fire-Extinguishing Systems

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

21 22 16 00-0025	EA	2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570607).....	218.25	14.30
21 22 16 00-0026 Actuation Attachments, Sapphire® Fire Suppression System (21 22 16 00-0002)				
21 22 16 00-0027	EA	7/16-20 To 1/4" NPT, Male Actuation Elbow, Sapphire® Fire Suppression System (Ansul 31810).....	14.65	4.29
21 22 16 00-0028	EA	7/16-20 To 1/4" NPT, Male Actuation Tee, Sapphire® Fire Suppression System (Ansul 31811).....	16.34	4.29
21 22 16 00-0029	EA	1/4" NPT To 7/16-20, Male Actuation Connector, Sapphire® Fire Suppression System (Ansul 32338).....	22.79	10.01
21 22 16 00-0030	EA	16" Actuation Hose, Sapphire® Fire Suppression System (Ansul 73597).....	52.32	12.82
21 22 16 00-0031	EA	32" Actuation Hose, Sapphire® Fire Suppression System (Ansul 415142).....	76.71	12.82
21 22 16 00-0032	EA	42" Actuation Hose, Sapphire® Fire Suppression System (Ansul 430815).....	92.27	12.82
21 22 16 00-0033	EA	24", Stainless Steel, Swivel, Braided Actuation Hose, Sapphire® Fire Suppression System (Ansul 32336).....	46.70	12.82
21 22 16 00-0034	EA	Pneumatic Actuator Shipping Assembly, Sapphire® Fire Suppression System (Ansul 570537).....	328.09	114.42
21 22 16 00-0035	EA	Local Manual Actuator, Sapphire® Fire Suppression System (Ansul 570549).....	313.12	85.82
21 22 16 00-0036	EA	Electric Actuator Shipping Assembly, Sapphire® Fire Suppression System (Ansul 570537).....	693.63	114.42
21 22 16 00-0037 Nameplates, Sapphire® Fire Suppression Systems (21 22 16 00-0002)				
21 22 16 00-0038	EA	Warning Plate For Use Outside Room, Sapphire® Fire Suppression Systems (Ansul 570580).....	52.19	14.30
21 22 16 00-0039	EA	Warning Plate for Use Inside Room, Sapphire® Fire Suppression Systems (Ansul 570581).....	56.63	14.30
21 22 16 00-0040 Cylinder Bracketing, Sapphire® Fire Suppression Systems (21 22 16 00-0002)				
21 22 16 00-0041	EA	Tank Bracket Assembly For 20 Lb., 40 Lb., 50 Lb., 80 Lb., And 90 Lb., Tanks, Sapphire® Fire Suppression Systems (Ansul 570085).....	160.50	42.91
21 22 16 00-0042	EA	Tank Bracket Assembly For 140 Lb., 280 Lb., 390 Lb., And 450 Lb., Tanks, Sapphire® Fire Suppression Systems (Ansul 570085).....	169.34	42.91
21 22 16 00-0043	EA	Tank Bracket Assembly For 850 Lb. Tanks, Sapphire® Fire Suppression Systems (Ansul 570336).....	180.65	42.91
21 22 16 00-0044 Check Valves, Sapphire® Fire Suppression Systems (21 22 16 00-0002)				
21 22 16 00-0045	EA	1" Manifold Check Valve, Sapphire® Fire Suppression Systems (Ansul 570566).....	422.24	45.54
21 22 16 00-0046	EA	2" Manifold Check Valve, Sapphire® Fire Suppression Systems (Ansul 570568).....	594.47	78.15
21 22 16 00-0047 Discharge Hose, Sapphire® Fire Suppression Systems (21 22 16 00-0002)				
21 22 16 00-0048	EA	1" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 570539).....	134.84	28.61
21 22 16 00-0049	EA	2" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 570538).....	496.46	28.61
21 22 16 00-0050	EA	3" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 69990).....	418.81	28.61
21 22 16 00-0051	EA	3" Discharge Hose And Check Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 69841).....	1,828.56	114.42
21 22 16 00-0052 Swivel Adaptors, Sapphire® Fire Suppression Systems (21 22 16 00-0002)				
21 22 16 00-0053	EA	1" Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 570557).....	48.86	20.03
21 22 16 00-0054	EA	2" Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 570558).....	85.60	20.03
21 22 16 00-0055	EA	3" Flare To 3" Grooved, Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 69471).....	234.96	14.30
21 22 16 00-0056	EA	3" Flare To 3" NPT, Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 69470).....	304.21	14.30
21 22 16 00-0057 Pressure Switches, Sapphire® Fire Suppression Systems (21 22 16 00-0002)				
21 22 16 00-0058	EA	Cylinder Low Pressure Switch, Sapphire® Fire Suppression Systems (Ansul 570585).....	179.76	57.21
21 22 16 00-0059	EA	Pressure Trip, Sapphire® Fire Suppression Systems (Ansul 5156).....	176.79	24.02
21 22 16 00-0060	EA	Weather Proof, DPST Pressure Switch, Sapphire® Fire Suppression Systems (Ansul 46250).....	547.10	100.12
21 22 16 00-0061 Level Indicators, Sapphire® Fire Suppression Systems (21 22 16 00-0002)				
21 22 16 00-0062	EA	Liquid Level Indicator For 280 Lb. Tanks, Sapphire® Fire Suppression Systems (Ansul 570277).....	627.64	20.03
21 22 16 00-0063	EA	Liquid Level Indicator For 390 Lb. And 850 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570278).....	657.14	20.03
21 22 16 00-0064	EA	Liquid Level Indicator For 450 Lb. Tanks, Sapphire® Fire Suppression Systems (Ansul 570589).....	704.75	28.61
21 22 16 00-0065 Inspection/Maintenance Devices, Sapphire® Fire Suppression Systems (21 22 16 00-0002)				
21 22 16 00-0066	EA	Master Tank Pilot Port Male Adaptor, Sapphire® Fire Suppression Systems (Ansul 570342).....	50.04	17.17
21 22 16 00-0067	EA	Cylinder Valve Pressure Gauge, Sapphire® Fire Suppression Systems (Ansul 570642).....	62.54	20.03
21 22 16 00-0068	EA	Recharge Top Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570579).....	211.13	85.82
21 22 16 00-0069	EA	Burst Disc Assembly, Sapphire® Fire Suppression Systems (Ansul 570053).....	244.83	85.82
21 22 16 00-0070	EA	2" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570592).....	272.84	85.82
21 22 16 00-0071	EA	3" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 69891).....	363.24	85.82
21 22 16 00-0072 Replacement Parts, Sapphire® Fire Suppression Systems (21 22 16 00-0002)				
21 22 16 00-0073	EA	O-Ring Kit, Sapphire® Fire Suppression Systems (Ansul 570559).....	59.91	22.89
21 22 16 00-0074	EA	Recoil Cap, Sapphire® Fire Suppression Systems (Ansul 570553).....	95.92	14.30
21 22 16 00-0075	EA	Bonnet Assembly, Sapphire® Fire Suppression Systems (Ansul 570553).....	130.43	28.61
21 22 16 00-0076	EA	Bonnet Assembly, Sapphire® Fire Suppression Systems (Ansul 570543).....	348.73	114.42
21 22 16 00-0077	EA	Piston Assembly, Sapphire® Fire Suppression Systems (Ansul 570551).....	520.68	114.42
21 22 16 00-0078	EA	1" Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570535).....	1,726.36	114.42
21 22 16 00-0079 Inergen® Fire Suppression System (21 22 16 00-0001)				
21 22 16 00-0080 Actuation Attachments, Inergen® Fire Suppression System (21 22 16 00-0079)				
21 22 16 00-0081	EA	Flexible Discharge Bend For CV90 And CV98 (200 Bar), Inergen® Fire Suppression System (Ansul 427082).....	187.39	28.34
21 22 16 00-0082	EA	Metron Protractor Replacement Cartridges, Inergen® Fire Suppression System (Ansul 423958).....	217.61	30.46

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0083	EA	Electric Actuator, Lever, CV98, Inergen® Fire Suppression System (Ansul 423309).....	389.36	55.13
21 22 16 00-0084	EA	Electric Actuator For CV90 Valve, Inergen® Fire Suppression System (Ansul 426876)	784.78	125.55
21 22 16 00-0085 Check Valves, Inergen® Fire Suppression System (21 22 16 00-0079)				
21 22 16 00-0086	EA	2" Bronze Check Valve, Weld Neck Flange, Inergen® Fire Suppression System (Ansul 840794).....	1,866.94	165.71
21 22 16 00-0087 Components, Inergen® Fire Suppression System (21 22 16 00-0079)				
21 22 16 00-0088	EA	1/2" Manifold Relief Valve, Inergen® Fire Suppression System (Ansul 418378).....	55.70	8.69
21 22 16 00-0089	EA	Pressure Operated Siren, Inergen® Fire Suppression System (Ansul 419700)	653.98	93.11
21 22 16 00-0090	EA	30 Second Pneumatic Time Delay, Inergen® Fire Suppression System (Ansul 54169).....	2,035.97	291.32
21 22 16 00-0091	EA	60 Second Time Delay, Inergen® Fire Suppression System (Ansul 426170).....	1,942.74	296.78
21 22 16 00-0092 Cylinders, Inergen® Fire Suppression System (21 22 16 00-0079)				
Note: Includes CV98 valve. Factory filled with Inergen agent.				
21 22 16 00-0093	EA	200 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426147)	1,700.60	266.62
21 22 16 00-0094	EA	250 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426148)	1,929.10	302.07
21 22 16 00-0095	EA	350 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426620)	2,755.55	391.45
21 22 16 00-0096	EA	435 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426150)	2,762.66	478.34
21 22 16 00-0097	EA	250 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426257)	1,998.29	336.81
21 22 16 00-0098	EA	350 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426621)	2,825.26	426.32
21 22 16 00-0099	EA	435 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426259)	2,924.98	514.02
21 22 16 00-0100 Inspection/Maintenance Devices, Inergen® Fire Suppression System (21 22 16 00-0079)				
21 22 16 00-0101	EA	CV90 Fill Adaptor To CV98 Valve, Conversion Adapter, Inergen® Fire Suppression System (Ansul 423657)	64.16	9.69
21 22 16 00-0102	EA	CV98 To CV90 Conversion Adapter, Cylinder Test Gauge, Inergen® Fire Suppression System (Ansul 426181)	64.16	9.69
21 22 16 00-0103	EA	CV90 Pressure Test Assembly Venting Kit, Inergen® Fire Suppression System (Ansul 426954).....	77.27	10.77
21 22 16 00-0104	EA	Pressure Test Gauge, Inergen® Fire Suppression System (Ansul 423923).....	1,222.52	185.01
21 22 16 00-0105 Multiple Cylinder Bracketing, Inergen® Fire Suppression System (21 22 16 00-0079)				
21 22 16 00-0106	EA	13" Carriage Bolt With Nut, Multiple Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 418502).....	20.55	2.84
Note: For single row 435 cubic foot cylinders.				
21 22 16 00-0107	EA	27" Carriage Bolt With Nut, Multiple Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 418503).....	29.17	4.05
Note: For double row 435 cubic foot cylinders.				
21 22 16 00-0108 Nameplates, Inergen® Fire Suppression System (21 22 16 00-0079)				
21 22 16 00-0109	EA	Warning Plate, Nameplate, Inside Room With Alarm, Inergen® Fire Suppression System (Ansul 416265)	22.66	3.17
21 22 16 00-0110	EA	Warning Plate, Nameplate, Outside Room Without Alarm, Inergen® Fire Suppression System (Ansul 416266).....	20.98	3.17
21 22 16 00-0111 Nozzle Deflector Shields, Inergen® Fire Suppression System (21 22 16 00-0079)				
21 22 16 00-0112	EA	1/2" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417708)	91.19	13.65
21 22 16 00-0113	EA	3/4" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417711)	95.69	14.30
21 22 16 00-0114	EA	1" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417714)	111.15	16.51
21 22 16 00-0115	EA	1-1/4" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417717)	123.93	18.65
21 22 16 00-0116	EA	1-1/2" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417720)	142.17	21.44
21 22 16 00-0117 Nozzles, Inergen® Fire Suppression System (21 22 16 00-0079)				
21 22 16 00-0118	EA	1/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417908).....	139.68	21.13
21 22 16 00-0119	EA	3/8" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417723)	144.90	21.76
21 22 16 00-0120	EA	1/2" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417362).....	133.67	20.14
21 22 16 00-0121	EA	3/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417363).....	137.04	21.76
21 22 16 00-0122	EA	1" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417364).....	158.90	23.93
21 22 16 00-0123	EA	1-1/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417365).....	169.87	25.48
21 22 16 00-0124	EA	1-1/2" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417366).....	182.89	27.34
21 22 16 00-0125	EA	2" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426155)	314.86	47.86
21 22 16 00-0126	EA	2-1/2" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426156)	416.29	62.77
21 22 16 00-0127	EA	3" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426137)	453.85	69.00
21 22 16 00-0128	EA	1/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426138)	162.70	24.84
21 22 16 00-0129	EA	3/8" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426139)	191.89	29.09
21 22 16 00-0130	EA	1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426140)	157.91	23.93
21 22 16 00-0131	EA	3/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426141)	168.64	25.36
21 22 16 00-0132	EA	1" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426142)	170.14	25.48
21 22 16 00-0133	EA	1-1/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426143)	205.38	30.95
21 22 16 00-0134	EA	1-1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426157)	221.38	33.56
21 22 16 00-0135	EA	2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426144)	339.83	51.50
21 22 16 00-0136	EA	2-1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426145)	396.81	60.29
21 22 16 00-0137	EA	3" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426146)	434.80	65.88
21 22 16 00-0138 Pressure Reducers, Inergen® Fire Suppression System (21 22 16 00-0079)				
21 22 16 00-0139	EA	1/2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416677).....	182.89	27.34
21 22 16 00-0140	EA	3/4" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416678).....	224.41	34.06
21 22 16 00-0141	EA	1" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416679).....	241.38	36.67
21 22 16 00-0142	EA	1-1/4" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416680).....	339.83	51.50
21 22 16 00-0143	EA	1-1/2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416681).....	371.33	56.44
21 22 16 00-0144	EA	2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416682).....	436.28	65.88

21 Fire Suppression**21 20 Fire-Extinguishing Systems****21 22 Clean-Agent Fire-Extinguishing Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

21 22 16 00-0145	EA	2-1/2" NPT, Orifice Nipple, Pressure Reducer, Inergen® Fire Suppression System (Ansul 417057)	507.27	77.25
21 22 16 00-0146	EA	3" NPT, Orifice Nipple, Pressure Reducer, Inergen® Fire Suppression System (Ansul 417058)	599.76	91.37
21 22 16 00-0147	EA	2-1/2" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426823)	764.50	180.25
21 22 16 00-0148	EA	3" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426824)	982.77	211.33
21 22 16 00-0149	EA	4" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426825)	1,263.47	354.28
21 22 16 00-0150	EA	2-1/2" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426847)	745.82	180.25
21 22 16 00-0151	EA	3" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426848)	825.65	125.89
21 22 16 00-0152	EA	4" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426849)	1,263.47	354.28
21 22 16 00-0153	EA	2-1/2" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426853)	761.54	180.25
21 22 16 00-0154	EA	3" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426854)	858.14	130.83
21 22 16 00-0155	EA	4" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426855)	1,239.89	354.28
21 22 16 00-0156 Pressure Switches, Inergen® Fire Suppression System (21 22 16 00-0079)				
21 22 16 00-0157	EA	3PST, Pressure Switch, Inergen® Fire Suppression System (Ansul 842344)	860.00	137.36
21 22 16 00-0158 Releasing Device Equipment, Inergen® Fire Suppression System (21 22 16 00-0079)				
21 22 16 00-0159	EA	12 Or 24 Volt DC, Assembly, Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 17728)	1,408.93	213.10
21 22 16 00-0160	EA	24 Volt DC, Explosion Proof Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 31492)	2,003.03	283.96
21 22 16 00-0161	EA	120 Volt AC, Explosion Proof Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 32525)	2,121.97	288.86
21 22 16 00-0162	EA	Cocking Lever For Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 26310)	99.42	14.69
21 22 16 00-0163	EA	LT-30-R Nitrogen Cartridge, Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 5373)	119.08	19.45
21 22 16 00-0164	EA	Remote Actuator Booster With N2 Cartridge, Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 28939)	1,136.27	152.03
21 22 16 00-0165 Replacement Orifice Plates, Inergen® Fire Suppression System (21 22 16 00-0079)				
21 22 16 00-0166	EA	1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418095)	123.97	14.43
21 22 16 00-0167	EA	3/4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418096)	129.95	15.20
21 22 16 00-0168	EA	1" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418097)	136.36	15.46
21 22 16 00-0169	EA	1-1/4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418098)	146.25	15.98
21 22 16 00-0170	EA	1-1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418099)	152.31	17.52
21 22 16 00-0171	EA	2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418100)	153.21	18.94
21 22 16 00-0172	EA	2-1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426984)	337.32	50.76
21 22 16 00-0173	EA	3" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426985)	340.35	51.28
21 22 16 00-0174	EA	4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426986)	436.28	65.70
21 22 16 00-0175 Single Cylinder Bracketing, Inergen® Fire Suppression System (21 22 16 00-0079)				
21 22 16 00-0176	EA	Strap For 435 CF Cylinder, Single Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 427704)	158.90	23.93
21 22 16 00-0177	EA	Channel For 435 CF Cylinder, Single Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 427705)	220.81	54.70
21 22 16 00-0178 Single Mating Flanges, Flanged Manifold Orifices, Inergen® Fire Suppression System (21 22 16 00-0079)				
21 22 16 00-0179	EA	2-1/2" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426856)	410.31	35.37
Note: Includes gasket and fasteners.				
21 22 16 00-0180	EA	3" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426857)	348.31	52.81
Note: Includes gasket and fasteners.				
21 22 16 00-0181	EA	4" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426858)	719.14	354.28
Note: Includes gasket and fasteners.				
21 22 16 00-0182	EA	2-1/2" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426859)	218.38	33.03
Note: Includes gasket and fasteners.				
21 22 16 00-0183	EA	3" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426860)	256.34	38.54
Note: Includes gasket and fasteners.				
21 22 16 00-0184	EA	4" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426861)	714.18	354.28
Note: Includes gasket and fasteners.				
21 22 16 00-0185	EA	2-1/2" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426862)	227.38	34.59
Note: Includes gasket and fasteners.				
21 22 16 00-0186	EA	3" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426863)	266.36	40.32
Note: Includes gasket and fasteners.				
21 22 16 00-0187	EA	4" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426864)	738.74	354.28
Note: Includes gasket and fasteners.				
21 22 16 00-0188	EA	2-1/2" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426828)	43.96	2.63
Note: Includes a stainless steel inner ring and a carbon steel outer ring.				
21 22 16 00-0189	EA	3" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426829)	44.48	2.89
Note: Includes a stainless steel inner ring and a carbon steel outer ring.				
21 22 16 00-0190	EA	4" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426830)	47.95	3.42
Note: Includes a stainless steel inner ring and a carbon steel outer ring.				

		Fire Suppression	21	
		Fire-Extinguishing Systems	21 20	
		Clean-Agent Fire-Extinguishing Systems	21 22	
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
		UNIT COST	UNIT COST	

21 22 16 00-0191	Upright And Feet, Cylinder Bracketing, Inergen® Fire Suppression System (21 22 16 00-0079)			
21 22 16 00-0192	EA	Center Upright Foot, Inergen® Fire Suppression System (Ansul 418508)	27.84	4.20
21 22 16 00-0193	EA	Double Row, Back-To-Back Rows, Weigh Rail Support, Inergen® Fire Suppression System (Ansul 423027)	228.60	31.96
21 22 16 00-0194	EA	85" High, Cylinder Bracketing For 425 CF And LC100 Cylinders, Inergen® Fire Suppression System (Ansul 426592)	171.63	31.96
		Note: Includes upright, left, right and center.		
21 22 16 00-0195	Autopulse® Fire Detection And Control Equipment (21 22 16 00-0001)			
21 22 16 00-0196	Accessory Switches, Autopulse® Fire Detection And Control Equipment (21 22 16 00-0195)			
21 22 16 00-0197	EA	Abort, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76495)	179.48	27.58
21 22 16 00-0198	EA	Abort, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76494)	204.00	31.43
21 22 16 00-0199	EA	Main/Reserve, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76497)	259.46	39.94
21 22 16 00-0200	EA	Main/Reserve, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76496)	279.47	43.03
21 22 16 00-0201	EA	Maintenance, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76499)	349.99	54.12
21 22 16 00-0202	EA	Maintenance, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76498)	372.48	57.46
21 22 16 00-0203	EA	Explosion Proof, Abort Switch, Autopulse® Fire Detection And Control Equipment (Ansul 65956)	714.05	110.80
21 22 16 00-0204	EA	Single Gang, Surface Mount Back Box For Accessory Switches, Autopulse® Fire Detection And Control Equipment (Ansul 76490)	57.40	8.25
21 22 16 00-0205	Alarm Devices, Autopulse® Fire Detection And Control Equipment (21 22 16 00-0195)			
21 22 16 00-0206	EA	Selectable Candela Strobe, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429698)	155.50	23.96
21 22 16 00-0207	EA	Sync Module, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429699)	227.98	35.05
21 22 16 00-0208	EA	Back Box Extender Adapter, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429702)	20.80	3.19
21 22 16 00-0209	Annunciators, Autopulse® Fire Detection And Control Equipment (21 22 16 00-0195)			
21 22 16 00-0210	EA	80 Character LCD, Annunciator, LCD-80, Autopulse® Fire Detection And Control Equipment (Ansul 417492)	1,791.81	278.04
21 22 16 00-0211	EA	16 Zone Alarm/Trouble, Annunciator Control Module, ACM-16AT, Autopulse® Fire Detection And Control Equipment (Ansul 417496)	1,502.06	232.94
21 22 16 00-0212	EA	16 Zone Alarm/Trouble, Annunciator Expander Module, AEM-16AT, Autopulse® Fire Detection And Control Equipment (Ansul 417497)	1,166.03	180.89
21 22 16 00-0213	EA	32 Zone, Alarm Annunciator Expander Module, AEM-32A, Autopulse® Fire Detection And Control Equipment (Ansul 417500)	1,015.54	157.44
21 22 16 00-0214	EA	Annunciator Lamp Driver Control Module, LDM-32, Autopulse® Fire Detection And Control Equipment (Ansul 417501)	1,015.54	157.44
21 22 16 00-0215	EA	Annunciator Lamp Driver Expander Module, LDM-E32, Autopulse® Fire Detection And Control Equipment (Ansul 417502)	813.52	126.00
21 22 16 00-0216	EA	Annunciator Lamp Driver Relay Module, LDM-R32, Autopulse® Fire Detection And Control Equipment (Ansul 417650)	1,502.06	232.94
21 22 16 00-0217	EA	24", Annunciator Lamp Driver Cable, LDM-CBL24, Autopulse® Fire Detection And Control Equipment (Ansul 417651)	305.48	47.16
21 22 16 00-0218	EA	48", Annunciator Lamp Driver Cable, LDM-CBL48, Autopulse® Fire Detection And Control Equipment (Ansul 417652)	383.00	59.27
21 22 16 00-0219	EA	8 Relay, Annunciator Control Module, ACM-8R, Autopulse® Fire Detection And Control Equipment (Ansul 417653)	768.01	119.04
21 22 16 00-0220	EA	Key Switch, AKS-1 Annunciator Accessory, Autopulse® Fire Detection And Control Equipment (Ansul 417660)	129.74	19.97
21 22 16 00-0221	EA	Low Profile Annunciator Chassis, CHS-4L, Autopulse® Fire Detection And Control Equipment (Ansul 418576)	176.52	27.58
21 22 16 00-0222	EA	Note: For up to 4 LDM modules. Flush, Single Annunciator Back Box, ABF-1, Autopulse® Fire Detection And Control Equipment (Ansul 417657)	305.49	47.16
21 22 16 00-0223	Autopulse IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (21 22 16 00-0195)			
21 22 16 00-0224	EA	CHS-4 Chassis, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419586)	237.68	38.39
21 22 16 00-0225	EA	REL 47K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419639)	14.74	2.63
21 22 16 00-0226	EA	REL 4.7K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419640)	100.79	3.19
21 22 16 00-0227	EA	REL 2.2K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 407765)	15.99	3.19
21 22 16 00-0228	Autopulse IQ-396X Modules, Autopulse® Fire Detection And Control Equipment (21 22 16 00-0195)			
21 22 16 00-0229	EA	Indicating Circuit Expander, IQ-396X Modules, ICE-4, Autopulse® Fire Detection And Control Equipment (Ansul 419564)	528.47	86.06
21 22 16 00-0230	EA	Control Relay Expander, IQ-396X Modules, CRE-4, Autopulse® Fire Detection And Control Equipment (Ansul 419566)	316.76	51.28
21 22 16 00-0231	Batteries And Power Supplies, Autopulse® Fire Detection And Control Equipment (21 22 16 00-0195)			
21 22 16 00-0232	EA	7 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417692)	232.72	32.98
21 22 16 00-0233	EA	12 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417693)	486.82	69.83
21 22 16 00-0234	EA	18 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417694)	549.42	79.10
21 22 16 00-0235	EA	25 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417695)	716.97	96.37
21 22 16 00-0236	EA	55 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417997)	1,157.81	167.23
21 22 16 00-0237	EA	BB-17, Red Battery Box, Autopulse® Fire Detection And Control Equipment (Ansul 418578)	173.47	26.54

21 Fire Suppression**21 20 Fire-Extinguishing Systems****21 22 Clean-Agent Fire-Extinguishing Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
21 22 16 00-0238	EA	BB-25, Grey Cabinet, Autopulse® Fire Detection And Control Equipment (Ansul 428079)..... Note: Holds six XP5 modules or 25AH battery pack.	309.99	47.92	
21 22 16 00-0239	EA	BB-55, Red Battery Box, Autopulse® Fire Detection And Control Equipment (Ansul 419410)..... Note: For mounting in BB-55 battery box.	630.52	97.66	
21 22 16 00-0240	EA	Battery Charger, CHG-120, Autopulse® Fire Detection And Control Equipment (Ansul 426207) Note: For mounting in BB-55 battery box.	1,833.08	284.48	
21 22 16 00-0241	EA	120 Volt AC, FCPS-24F, Red Remote Power Supply, Autopulse® Fire Detection And Control Equipment (Ansul 418563)	1,340.54	207.94	
21 22 16 00-0242 Intelligent Addressable Devices, Autopulse® Fire Detection And Control Equipment (21 22 16 00-0195)					
21 22 16 00-0243	EA	Monitor Module, Intelligent Addressable Devices, FMM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428097)	141.27	22.03	
21 22 16 00-0244	EA	Mini Monitor Module, Intelligent Addressable Devices, FMM-101, Autopulse® Fire Detection And Control Equipment (Ansul 428098)	132.17	21.90	
21 22 16 00-0245	EA	Isolator Module, Intelligent Addressable Devices, ISO-X, Autopulse® Fire Detection And Control Equipment (Ansul 417480)	179.42	31.43	
21 22 16 00-0246	EA	2-Wire Detector Monitor Module, Intelligent Addressable Devices, FZM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428100)	265.49	40.97	
21 22 16 00-0247	EA	NAC Control Module, Intelligent Addressable Devices, FCM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428101)	206.64	33.24	
21 22 16 00-0248	EA	Control Relay Module, Intelligent Addressable Devices, FRM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428102)	194.22	31.96	
21 22 16 00-0249	EA	Flangeless, Analog Addressable Detector Base, Intelligent Addressable Devices, B501, Autopulse® Fire Detection And Control Equipment (Ansul 417487)	30.94	5.10	
21 22 16 00-0250	EA	Analog Addressable Detector Base With Isolator, Intelligent Addressable Devices, B224BI, Autopulse® Fire Detection And Control Equipment (Ansul 426125)	114.05	18.04	
21 22 16 00-0251	EA	Harsh Detector, Analog Addressable Detector Base, Intelligent Addressable Devices, B710HD, Autopulse® Fire Detection And Control Equipment (Ansul 427066)	113.99	17.52	
21 22 16 00-0252	EA	HPX-751 Detector Filter Cover, Intelligent Addressable Devices, FR-FTX, Autopulse® Fire Detection And Control Equipment (Ansul 427067)	41.83	14.43	
21 22 16 00-0253	EA	Low Profile Trim Ring, Intelligent Addressable Devices, F110, Autopulse® Fire Detection And Control Equipment (Ansul 428138)	10.48	1.60	
		Note: Converts BX501 to low profile base.			
21 22 16 00-0254	EA	Relay Base, Intelligent Addressable Devices, B224RB, Autopulse® Fire Detection And Control Equipment (Ansul 423945)	109.73	16.87	
21 22 16 00-0255	EA	EOL Power Supervision Relay, Intelligent Addressable Devices, Autopulse® Fire Detection And Control Equipment (Ansul 417699)	64.30	9.95	
21 22 16 00-0256	EA	XP5 Modules Cabinet, Intelligent Addressable Devices, BB-XP, Autopulse® Fire Detection And Control Equipment (Ansul 428078)	173.92	26.29	
21 22 16 00-0257	EA	BB-25 Chassis, Intelligent Addressable Devices, CHS-6, Autopulse® Fire Detection And Control Equipment (Ansul 428080)	90.98	13.91	
21 22 16 00-0258 Manual Pull Stations, Autopulse® Fire Detection And Control Equipment (21 22 16 00-0195)					
21 22 16 00-0259	EA	Break Rod Package For Manual Pull Stations, Autopulse® Fire Detection And Control Equipment (Ansul 428661)	26.14	3.74	
21 22 16 00-0260	EA	Key Pull Station For Manual Pull Stations, Autopulse® Fire Detection And Control Equipment (Ansul 418336)	16.17	2.06	
21 22 16 00-0261 Transmitter/Relay Modules, Autopulse® Fire Detection And Control Equipment (21 22 16 00-0195)					
21 22 16 00-0262	EA	Transmitter Module, 4XTM, Autopulse® Fire Detection And Control Equipment (Ansul 417470)	227.98	35.05	
		Note: Includes municipal box and remote station connection.			
21 22 16 00-0263	EA	Relay/Transmitter Module With 8 Form C Relay Contacts, RTM-8, Autopulse® Fire Detection And Control Equipment (Ansul 417471)	684.90	100.75	
21 22 16 00-0264	EA	Universal Digital Alarm COM/XMTR Module, UDACT, Autopulse® Fire Detection And Control Equipment (Ansul 419411)	1,309.07	203.05	
21 22 16 00-0265	EA	Ferrite Core For Transmitter/Relay Modules, Autopulse® Fire Detection And Control Equipment (Ansul 419635)	34.89	5.26	
21 22 16 00-0266 Vesda® Aspirating Smoke Detection System (21 22 16 00-0001)					
21 22 16 00-0267 Batteries And Power Supplies, Vesda® Aspirating Smoke Detection System (21 22 16 00-0266)					
21 22 16 00-0268	EA	Transformer Only, VSP-TRAN-120, Vesda® Aspirating Smoke Detection System (Ansul 430482)	177.05	24.74	
21 22 16 00-0269	EA	Battery Cabinet, VBC-001, Vesda® Aspirating Smoke Detection System (Ansul 430379)	415.60	37.29	
21 22 16 00-0270	EA	120 Volt AC, Single Zone Power Supply With Housing, VPS-100US-120, Vesda® Aspirating Smoke Detection System (Ansul 430374)	985.57	144.30	
21 22 16 00-0271	EA	220 Volt AC, Single Zone Power Supply With Housing, VPS-100US-220, Vesda® Aspirating Smoke Detection System (Ansul 430375)	985.57	144.30	
21 22 16 00-0272	EA	120 Volt AC, Multi Zone Power Supply, VPS-300US-120, Vesda® Aspirating Smoke Detection System (Ansul 430376)	1,480.77	216.45	
		Note: Includes housing and battery cab.			
21 22 16 00-0273	EA	220 Volt AC, Multi Zone Power Supply, VPS-300US-220, Vesda® Aspirating Smoke Detection System (Ansul 430377)	1,480.77	216.45	
		Note: Includes housing and battery cab.			
21 22 16 00-0274	EA	48 Volt DC, Multi Zone Power Supply With Housing, VPS-400US-48, Vesda® Aspirating Smoke Detection System (Ansul 430378)	2,157.70	275.71	
21 22 16 00-0275 Blank Plates, Vesda® Aspirating Smoke Detection System (21 22 16 00-0266)					
21 22 16 00-0276	EA	Blank Plate Without VESDA Logo, VSP-300, Vesda® Aspirating Smoke Detection System (Ansul 430459)	31.78	4.64	
21 22 16 00-0277	EA	Blank Plate With VESDA Logo, VSP-000, Vesda® Aspirating Smoke Detection System (Ansul 430458)	47.61	4.64	
21 22 16 00-0278	EA	Blank Plate, EMC Painted Without Logo, VSP-200, Vesda® Aspirating Smoke Detection System (Ansul 430484)	69.38	8.76	
21 22 16 00-0279	EA	Single Blank Plate, VRE-001, Vesda® Aspirating Smoke Detection System (Ansul 430446)	107.53	9.80	

MINOR CSI UOM		DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0280	EA	Double Blank Plate, VRE-002, Vesda® Aspiring Smoke Detection System (Ansul 430447).....	136.21	19.58
21 22 16 00-0281	EA	Blank Plate Without FOK LED's And Logo, VSP-100, Vesda® Aspiring Smoke Detection System (Ansul 430480).....	250.75	24.74
21 22 16 00-0282 Detectors, Vesda® Aspiring Smoke Detection System (21 22 16 00-0266)				
21 22 16 00-0283	EA	LaserPLUS, Detector Only, Enclosure, VLP-000, Vesda® Aspiring Smoke Detection System (Ansul 430350).....	7,459.70	1,211.08
		Note: Includes 3 blank plates.		
21 22 16 00-0284	EA	LaserPLUS Detector, VLP-012, Vesda® Aspiring Smoke Detection System (Ansul 430354).....	9,510.89	1,494.52
		Note: Includes centrally mounted LCD programmer module and standard display.		
21 22 16 00-0285	EA	LaserPLUS Detector, VLP-010, Vesda® Aspiring Smoke Detection System (Ansul 430356).....	8,601.92	1,365.68
		Note: Includes centrally mounted LCD programmer.		
21 22 16 00-0286	EA	7-Relay Version, LaserSCANNER Detector Only, VLS-200, Vesda® Aspiring Smoke Detection System (Ansul 430357).....	11,947.91	1,803.74
21 22 16 00-0287	EA	12-Relay Version, LaserSCANNER Detector Only, VLS-300, Vesda® Aspiring Smoke Detection System (Ansul 430358).....	12,580.19	1,906.82
21 22 16 00-0288	EA	7-Relay Version, LaserSCANNER Detector Only, VLS-600, Vesda® Aspiring Smoke Detection System (Ansul 430359).....	12,080.18	1,829.50
		Note: Includes 1 fire alarm (any SCT) and OK/FOK LEDs.		
21 22 16 00-0289	EA	12-Relay Version, LaserSCANNER Detector Only, VLS-700, Vesda® Aspiring Smoke Detection System (Ansul 430360).....	12,758.22	1,932.58
		Note: Includes 1 fire alarm (any SCT) and OK/FOK LED.		
21 22 16 00-0290	EA	7-Relay, LaserSCANNER Detector Only, VLS-204, Vesda® Aspiring Smoke Detection System (Ansul 430361).....	13,125.77	2,009.88
		Note: Includes 2 blank plates and scan display module at far right.		
21 22 16 00-0291	EA	12-Relay, LaserSCANNER Detector, VLS-304, Vesda® Aspiring Smoke Detection System (Ansul 430363).....	13,697.46	2,112.96
		Note: Includes 2 blank plates and scanner display.		
21 22 16 00-0292	EA	7-Relay, LaserSCANNER Detector, VLS-214, Vesda® Aspiring Smoke Detection System (Ansul 430365).....	14,396.60	2,216.02
		Note: Includes centrally mounted programmer module.		
21 22 16 00-0293	EA	12-Relay, LaserSCANNER Detector, VLS-314, Vesda® Aspiring Smoke Detection System (Ansul 430367).....	15,012.50	2,319.10
		Note: Includes centrally mounted LCD programmer module and scanner display module.		
21 22 16 00-0294	EA	12-Relay, LaserSCANNER Detector, VLS-310, Vesda® Aspiring Smoke Detection System (Ansul 430369).....	14,099.70	2,112.96
		Note: Includes centrally mounted LCD programmer.		
21 22 16 00-0295 Displays, Vesda® Aspiring Smoke Detection System (21 22 16 00-0266)				
21 22 16 00-0296	EA	VRT-200 Display, Standard Version, Vesda® Aspiring Smoke Detection System (Ansul 430381).....	2,257.53	283.44
		Note: Includes a remote termination card and 7 relays.		
21 22 16 00-0297	EA	VRT-400 Display, Scanner Version, Vesda® Aspiring Smoke Detection System (Ansul 430385).....	2,268.35	283.44
		Note: Includes a remote termination card and 7 relays.		
21 22 16 00-0298	EA	VRT-600 Display, Standard Version, Vesda® Aspiring Smoke Detection System (Ansul 430383).....	2,044.62	257.68
		Note: Includes a remote termination card without relays.		
21 22 16 00-0299	EA	VRT-700 Display, Scanner Version, Vesda® Aspiring Smoke Detection System (Ansul 430387).....	2,057.19	257.68
		Note: Includes a remote termination card.		
21 22 16 00-0300	EA	VRT-800 Display, Scanner Version, Vesda® Aspiring Smoke Detection System (Ansul 430389).....	2,541.51	309.22
		Note: Includes a remote termination card and 12 relays.		
21 22 16 00-0301	EA	VRT-K00 Display, Compact Version Without Relays, Vesda® Aspiring Smoke Detection System (Ansul 430391).....	2,160.51	267.99
21 22 16 00-0302	EA	VRT-J00 Display, Compact Version With 7 Relays, Vesda® Aspiring Smoke Detection System (Ansul 430393).....	2,366.06	300.97
21 22 16 00-0303 Intelligent Addressable Devices, Vesda® Aspiring Smoke Detection System (21 22 16 00-0266)				
21 22 16 00-0304	EA	LaserCOMPACT (VN), VESDAnet Version Plus Relay Output, VLC-505, Vesda® Aspiring Smoke Detection System (Ansul 430370).....	5,696.46	850.34
21 22 16 00-0305	EA	LaserCOMPACT (RO), Relay Only Version, VLC-500, Vesda® Aspiring Smoke Detection System (Ansul 430372).....	4,688.61	680.27
21 22 16 00-0306	EA	Programmer With Remote Termination Card, VRT-100, Vesda® Aspiring Smoke Detection System (Ansul 430380).....	1,660.17	257.68
21 22 16 00-0307	EA	VESDAnet Socket, VRT-300, Vesda® Aspiring Smoke Detection System (Ansul 430395).....	1,192.61	167.49
21 22 16 00-0308	EA	System Relay Module, VRT-S07, Vesda® Aspiring Smoke Detection System (Ansul 430399).....	1,660.51	225.72
21 22 16 00-0309	EA	PC-Link High-Level Interface, VHX-0200, Vesda® Aspiring Smoke Detection System (Ansul 430442).....	2,486.44	278.29
		Note: Interface connects PC and LaserPLUS system.		
21 22 16 00-0310	EA	Modem Cable, PC-HLI To Modem Connection, VHH-00090, Vesda® Aspiring Smoke Detection System (Ansul 430443).....	313.10	41.74
21 22 16 00-0311	EA	Hand-Held Programmer, VHH-1000, Vesda® Aspiring Smoke Detection System (Ansul 430444).....	2,090.59	257.68
21 22 16 00-0312	EA	Programmer Module, VSP-001, Vesda® Aspiring Smoke Detection System (Ansul 430460).....	1,497.50	213.87
21 22 16 00-0313	EA	VESDAnet Socket Kit, VSP-003, Vesda® Aspiring Smoke Detection System (Ansul 430463).....	1,175.67	164.91
21 22 16 00-0314	EA	Standard Display Module, VSP-002, Vesda® Aspiring Smoke Detection System (Ansul 430461).....	1,499.86	213.87
21 22 16 00-0315	EA	Scanner Display Module, VSP-004, Vesda® Aspiring Smoke Detection System (Ansul 430464).....	1,497.50	213.87
21 22 16 00-0316	EA	Remote Display Module, Compact (VN), VSP-502, Vesda® Aspiring Smoke Detection System (Ansul 430487).....	1,479.20	200.99
21 22 16 00-0317	EA	Filter Cartridge, VSP-005, Vesda® Aspiring Smoke Detection System (Ansul 430466).....	175.87	18.04
21 22 16 00-0318	EA	Detector Chassis Assembly, VSP-006, Vesda® Aspiring Smoke Detection System (Ansul 430467).....	7,149.67	989.48
21 22 16 00-0319	EA	Scanner Chassis Assembly, VSP-009, Vesda® Aspiring Smoke Detection System (Ansul 430470).....	12,459.42	1,731.59
21 22 16 00-0320	EA	Aspirator For LaserPLUS And Laser Scanner, VSP-015, Vesda® Aspiring Smoke Detection System (Ansul 430475).....	972.69	128.84
21 22 16 00-0321	EA	Filter Cover, VSP-019, Vesda® Aspiring Smoke Detection System (Ansul 430477).....	22.09	2.58
21 22 16 00-0322	EA	Cover Screws, 17606, Vesda® Aspiring Smoke Detection System (Ansul 430478).....	12.33	0.51
21 22 16 00-0323	EA	US Power Supply Circuit Board Only, VSP-100, Vesda® Aspiring Smoke Detection System (Ansul 430481).....	536.40	74.72
21 22 16 00-0324	EA	Relay Processor Module (DRP), VSP-102, Vesda® Aspiring Smoke Detection System (Ansul 430483).....	649.88	90.70
21 22 16 00-0325	EA	Aspirator, LaserCOMPACT, VSP-501, Vesda® Aspiring Smoke Detection System (Ansul 430486).....	938.21	131.42
21 22 16 00-0326	EA	RO-Cable For LaserCOMPACT Relay Only, (RO) Version, VSP-509, Vesda® Aspiring Smoke Detection System (Ansul 430488).....	138.27	19.58
21 22 16 00-0327	EA	Miniature Sampling Point, E700-SP, Vesda® Aspiring Smoke Detection System (Ansul 430502).....	21.76	4.13
21 22 16 00-0328 Labels And Decals, Vesda® Aspiring Smoke Detection System (21 22 16 00-0266)				

21 Fire Suppression**21 20 Fire-Extinguishing Systems****21 22 Clean-Agent Fire-Extinguishing Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
21 22 16 00-0329	EA	Sampling Point Labels, Roll Of 35, E700-SP-DCL-PIPE, Vesda® Aspirating Smoke Detection System (Ansul 430509)	19.67	3.09	
21 22 16 00-0330	EA	Round Point Label, Roll Of 50, E700-SP-DCL-PNT, Vesda® Aspirating Smoke Detection System (Ansul 430505)	20.71	3.60	
21 22 16 00-0331	EA	Red, Round, Miniature Sampling Point Label, Sheet Of 12, E700-SPLR, Vesda® Aspirating Smoke Detection System (Ansul 430506)	31.78	4.64	
21 22 16 00-0332	EA	Grey, Round, Miniature Sampling Point Label, Sheet Of 12, E700-SPLG, Vesda® Aspirating Smoke Detection System (Ansul 430507)	31.83	4.64	
21 22 16 00-0333	EA	Sampling Point Decal, Wrap-Around Style, Roll Of 200, E700-SP-DCL, Vesda® Aspirating Smoke Detection System (Ansul 430508)	115.48	17.52	
21 22 16 00-0334		Mounting Hardware, Vesda® Aspirating Smoke Detection System (21 22 16 00-0266)			
21 22 16 00-0335	EA	Remote Mounting Single Box With Escutcheon Only, VKT-000, Vesda® Aspirating Smoke Detection System (Ansul 430456)	284.26	37.11	
21 22 16 00-0336	EA	Recessed Mounting Kit For Remote Single Boxes, VSP-012, Vesda® Aspirating Smoke Detection System (Ansul 430472)	382.91	49.47	
21 22 16 00-0337	EA	Recessed Mounting Kit For VLP Or VLS Detector, VSP-011, Vesda® Aspirating Smoke Detection System (Ansul 430471)	392.28	54.12	
21 22 16 00-0338	EA	Remote 19 Sub Rack With 4 Blank Plates, VSR-0000, Vesda® Aspirating Smoke Detection System (Ansul 430457)	945.95	77.30	
21 22 16 00-0339	EA	Sub Rack Enclosure, VRE-100, Vesda® Aspirating Smoke Detection System (Ansul 430445)	1,400.76	170.07	
21 22 16 00-0340		Pipe And Fittings, Vesda® Aspirating Smoke Detection System (21 22 16 00-0266)			
21 22 16 00-0341	LF	3/4", Orange Chlorinated Polyvinyl Chloride (CPVC) Pipe, Vesda® Aspirating Smoke Detection System (Ansul 430491)	5.45	1.60	
21 22 16 00-0342	EA	3/4", End Cap, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430497)	9.22	3.21	
21 22 16 00-0343	EA	3/4", 45 Degree Elbow, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430494)	25.23	9.61	
21 22 16 00-0344	EA	3/4", 90 Degree Elbow, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430493)	26.11	9.61	
21 22 16 00-0345	EA	3/4", Coupling, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430495)	18.04	6.40	
21 22 16 00-0346	EA	3/4", Union, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430496)	29.20	9.61	
21 22 16 00-0347	EA	3/4", Tee, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430498)	38.82	14.42	
21 22 16 00-0348	EA	3/4" x 1/2" FPT, Tee, Chlorinated Polyvinyl Chloride (CPVC), Vesda® Aspirating Smoke Detection System (Ansul 430499)	48.77	16.92	
21 22 16 00-0349	LF	1/2" OD x 3/8" ID, Black Polyethylene Tubing, Vesda® Aspirating Smoke Detection System (Ansul 430500)	5.33	1.86	
21 22 16 00-0350	EA	Pipe Adapters, Metric-To-Imperial, VSP-021, Vesda® Aspirating Smoke Detection System (Ansul 430479)	21.01	5.67	
21 22 16 00-0351	EA	Capillary Kit, 1 Male 1/2" TH x 1/2" OD, 1 Female 1/2" OD, Plastic, E700-CAP KIT, Vesda® Aspirating Smoke Detection System (Ansul 430503)	25.21	4.13	
21 22 16 00-0352	EA	Capillary Kit, 1 Male 1/2" TH x 1/2" OD, 1 Female 1/2" OD, Brass, Vesda® Aspirating Smoke Detection System (Ansul 430504)	36.12	5.67	
21 22 16 00-0353		Remote Termination And Relay Cards, Vesda® Aspirating Smoke Detection System (21 22 16 00-0266)			
21 22 16 00-0354	EA	VRT-500, Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430396)	1,638.50	197.90	
		Note: Remote box includes 7 relays for VLP/VLC.			
21 22 16 00-0355	EA	VN, Compact Termination Card, VSP-515, Vesda® Aspirating Smoke Detection System (Ansul 430490)	1,674.28	227.79	
21 22 16 00-0356	EA	12-Relay, Remote Termination Card, VSP-208, Vesda® Aspirating Smoke Detection System (Ansul 430485)	1,013.63	139.15	
21 22 16 00-0357	EA	RO, Compact Termination Card, VSP-510, Vesda® Aspirating Smoke Detection System (Ansul 430489)	1,157.92	157.18	
21 22 16 00-0358	EA	VRT-501, Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430397)	1,638.50	197.90	
		Note: Remote box includes 7 relays for VLS.			
21 22 16 00-0359	EA	VRT-900 Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430398)	1,975.49	227.79	
		Note: Remote box includes 12 relays for VLS.			
21 22 16 00-0360	EA	Remote Termination Card Without Relay, VSP-007, Vesda® Aspirating Smoke Detection System (Ansul 430468)	561.25	70.09	
21 22 16 00-0361	EA	Remote Termination Card (RTC7), VSP-008, Vesda® Aspirating Smoke Detection System (Ansul 430469)	844.46	107.19	
21 22 16 00-0362	EA	7-Relay, Head Termination Card, VSP-014, Vesda® Aspirating Smoke Detection System (Ansul 430474)	1,593.56	221.61	
21 22 16 00-0363	EA	12-Relay, Head Termination Card, VSP-016, Vesda® Aspirating Smoke Detection System (Ansul 430476)	2,337.71	324.67	
21 22 16 00-0364		Preferred® Low Pressure CO2 System (21 22 16 00-0001)			
21 22 16 00-0365		Manual Pull Stations, Preferred® Low Pressure CO2 System (21 22 16 00-0364)			
21 22 16 00-0366	EA	Addressable, DPST, Dual Action Pull Station, Preferred® Low Pressure CO2 System (Ansul 428658)	126.28	18.04	
		Note: Excludes FMM-101.			
21 22 16 00-0367	EA	Weatherproof Back Box For Manual Pull Stations, Preferred® Low Pressure CO2 System (Ansul 428659)	94.45	13.40	
21 22 16 00-0368		Industrial Fire Control System (21 22 16 00-0001)			
21 22 16 00-0369		Alarm Devices, Industrial Fire Control System (21 22 16 00-0368)			
21 22 16 00-0370	EA	Explosion Proof Alarm Horn, Alarm Devices, Industrial Fire Control System (Ansul 65947)	3,062.65	475.42	
21 22 16 00-0371	EA	6", 115 Volt AC Alarm Bell For Release Systems, Alarm Devices, Industrial Fire Control System (Ansul 24751)	93.11	10.92	
21 22 16 00-0372	EA	24 Volt AC, Multitone Horn, Alarm Devices, Industrial Fire Control System (Ansul 429697)	92.49	14.18	
21 22 16 00-0373	EA	Weatherproof Surface Back Box For Horn And Strobe, Alarm Devices, Industrial Fire Control System (Ansul 429700)	55.10	8.51	
21 22 16 00-0374	EA	Semi-Flush Plate, Alarm Devices, Industrial Fire Control System (Ansul 429701)	22.51	3.45	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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21 22 16 00-0375 Manual Pull Stations, Industrial Fire Control System (21 22 16 00-0368)				
21 22 16 00-0376	EA	SPST, Dual Action Pull Station, Industrial Fire Control System (Ansul 428655).....	104.36	14.94
21 22 16 00-0377	EA	DPST, Dual Action Pull Station, Industrial Fire Control System (Ansul 428656)	147.14	21.13
21 22 16 00-0378	EA	Explosion Proof, DPDT, Dual Action Pull Station, Industrial Fire Control System (Ansul 428657)	1,148.95	165.94
21 22 16 00-0379	EA	Surface Mounted Back Box For Manual Pull Stations, Industrial Fire Control System (Ansul 428660)	33.40	4.79
21 22 16 00-0380	EA	Extra Pull Station Labels For Manual Pull Stations, Industrial Fire Control System (Ansul 428654).....	14.97	2.13
21 22 16 00-0381 Marine Fire Control System (21 22 16 00-0001)				
21 22 16 00-0382 Alarm Devices, Marine Fire Control System (21 22 16 00-0381)				
21 22 16 00-0383	EA	Weatherproof Surface Mount Back Box For Alarm Accessories, Alarm Devices, Marine Fire Control System (Ansul 24747)	60.52	8.66
21 22 16 00-0384	EA	6", 24 Volt DC, Alarm Bell, Alarm Devices, Marine Fire Control System (Ansul 417805)	111.66	16.75
21 22 16 00-0385	EA	10", 24 Volt DC, Alarm Bell, Alarm Devices, Marine Fire Control System (Ansul 417806)	111.66	16.75
21 22 16 00-0386 FM200 System Equipment (21 22 16)				
21 22 16 00-0387	EA	26 Lb. Cylinder, Filled, For FM200 Fire Protection system	3,740.43	124.31
21 22 16 00-0388	EA	44 Lb. Cylinder, Filled, For FM200 Fire Protection system	5,363.64	142.33
21 22 16 00-0389	EA	63 Lb. Cylinder, Filled, For FM200 Fire Protection system	6,366.91	167.81
21 22 16 00-0390	EA	101 Lb. Cylinder, Filled, For FM200 Fire Protection system	8,439.51	198.89
21 22 16 00-0391	EA	196 Lb. Cylinder, Filled, For FM200 Fire Protection system	13,194.74	248.62
21 22 16 00-0392	EA	Electro/Mechanical Release, For FM200 Fire Protection system	814.68	248.62
21 22 16 00-0393	EA	Manual Pull Station, For FM200 Fire Protection system	284.35	82.67
21 22 16 00-0394	EA	Pneumatic Damper Release, For FM200 Fire Protection system	349.16	62.15
21 22 16 00-0395	LB	FM200 Gas	29.06	
21 22 16 00-0396	EA	Master Cylinder, For FM200 Fire Protection system	6,109.86	66.88
21 22 16 00-0397	EA	Shuttle Check Valve, For FM200 Fire Protection system	873.73	93.48
21 22 16 00-0398	EA	Flex Head Cylinder, For FM200 Fire Protection system	870.39	100.20
21 22 16 00-0399	EA	Nozzles, For FM200 Fire Protection system	216.36	35.43
21 22 16 00-0400	EA	Cylinder Support, For FM200 Fire Protection system	252.38	66.88
21 22 16 00-0401	EA	Solenoid Valve, For FM200 Fire Protection system	1,129.02	100.20
21 22 16 00-0402	EA	Battery Back-Up, For FM200 Fire Protection system	842.28	264.28
21 22 16 00-0403	EA	Control Panel, Single Zone, For FM200 Fire Protection system	4,431.79	496.49
21 22 16 00-0404	EA	Control Panel, Multi Zone, For FM200 Fire Protection system	7,173.11	994.10
21 22 16 00-0405	EA	Smoke Or Heat Detector, For FM200 Fire Protection system	353.50	100.20
21 22 16 00-0406	EA	Annunciator, For FM200 Fire Protection system	3,590.16	376.28
21 22 16 00-0407	EA	Pressure Switch, For FM200 Fire Protection system	384.01	100.20
21 22 16 00-0408	EA	Alarm Horn, For FM200 Fire Protection system	350.56	100.20
21 22 16 00-0409	EA	Testing, For FM200 Fire Protection system	1,619.94	
21 22 16 00-0410	EA	Abort Switch, For FM200 Fire Protection system	243.30	46.61

21 23 Wet-Chemical Fire-Extinguishing Systems (21 20)

21 23 16 Wet-Chemical Fire-Extinguishing Equipment (21 23)

21 23 16 00-0001 Kidde Fire Systems (21 23 16)				
Note: Kidde or equal.				
21 23 16 00-0002 Cylinders And Hardware (21 23 16 00-0001)				
21 23 16 00-0003	EA	125 Cylinder And Valve Assembly With 1.25 Gallon Of Wet Agent.....	1,115.68	102.98
21 23 16 00-0004	EA	260 Cylinder And Valve Assembly With 2.6 Gallon Of Wet Agent	1,279.17	128.26
21 23 16 00-0005	EA	400S And M Cylinder And Valve Assembly With 4 Gallon Of Wet Agent	1,567.14	158.24
21 23 16 00-0006	EA	600 And L Cylinder And Valve Assembly With 6 Gallon Of Wet Agent	1,850.34	187.76
21 23 16 00-0007	EA	Discharge Adapter Kit (One Required Per Cylinder).....	62.65	5.38
21 23 16 00-0008	EA	System Valve Actuator	224.43	21.40
21 23 16 00-0009	EA	Vent Plug	42.02	4.35
21 23 16 00-0010	EA	Gauge Shield.....	97.58	11.44
21 23 16 00-0011	EA	125 Cylinder Wall Mounting Bracket.....	115.56	11.44
21 23 16 00-0012	EA	260 Cylinder Wall Mounting Bracket.....	122.49	12.13
21 23 16 00-0013	EA	400S And M Cylinder Wall Mounting Bracket.....	232.89	22.89
21 23 16 00-0014	EA	600 And 400M Cylinder Shelf Bracket.....	227.95	25.98
21 23 16 00-0015	EA	600 And 400M Cylinder Floor Mounting Kit	288.93	26.03
21 23 16 00-0016	EA	125 And 260 Cylinder Replacement Bracket Strap.....	39.18	
21 23 16 00-0017	EA	400 And 600 Cylinder Replacement Bracket Strap.....	41.31	

21 23 16 00-0018 Nozzles And Accessories (21 23 16 00-0001)				
21 23 16 00-0019	EA	ADP, F, GRW Or R Nozzle.....	103.57	10.52
21 23 16 00-0020	EA	LPF Or DM Nozzle.....	112.83	10.52
21 23 16 00-0021	EA	LPR Nozzle	131.92	10.52
21 23 16 00-0022	EA	3/8" Swivel Adapter For Nozzles	77.83	7.44
21 23 16 00-0023	EA	Removal And Replacement Of Nozzle Seals	12.25	
21 23 16 00-0024	EA	Chrome Nozzle Disc Cap	7.55	0.68
21 23 16 00-0025	EA	LPR Nozzle Disc Cap	38.01	10.47

21 23 16 00-0026 Control Systems (21 23 16 00-0001)				
21 23 16 00-0027	EA	XV Control System	1,227.73	68.65
Note: Includes (1) SVA, (1) system cartridge, (1) test cartridge, (1) EMT connector kit, (1) SPDT microswitch kit, and (1) SPDT microswitch kit.				
21 23 16 00-0028	EA	7-1/2" High Pressure Hose (Required for cylinder mounted XV Control System).....	103.98	11.44
21 23 16 00-0029	EA	24" High Pressure Hose	123.18	11.44

21 Fire Suppression**21 20 Fire-Extinguishing Systems****21 23 Wet-Chemical Fire-Extinguishing Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

21 23 16 00-0030	EA	60" High Pressure Hose	165.86	11.44
21 23 16 00-0031	EA	XV Solenoid Kit (Electric Actuator), 24 Volt DC	239.95	22.89
21 23 16 00-0032	EA	XV Microswitch Kit, SPDT	79.13	10.75
21 23 16 00-0033	EA	XV Microswitch Kit, SPDT, Terminal Type, For Alarm/Release	85.53	10.75
21 23 16 00-0034	EA	EMT Connector Kit (EMT Connector And O-Ring)	34.24	8.58
21 23 16 00-0035	EA	KRS-50 Control Box Assembly	690.43	44.34
Note: Includes (1) SVA, (2) CO2 cartridges, (2) set screws, (1) grommet, (1) cover label, and (1) exhaust fan caution label.				
21 23 16 00-0036	EA	SPDT Microswitch For KRS-50	108.57	10.75
21 23 16 00-0037	EA	DPDT Microswitch For KRS-50	196.65	18.65
21 23 16 00-0038	EA	SPDT Pressure Switch (Fire Department Tie-In)	603.16	59.84

21 23 16 00-0039 Mechanical Actuation Components (21 23 16 00-0001)

21 23 16 00-0040	EA	Universal Detector Link Housing Kit, Mechanical Actuation Systems	65.82	17.17
Note: Includes (1) bracket (11-3/4"), (2) "S" hook, and (2) cable crimp sleeves.				
21 23 16 00-0041	EA	XV Low Profile Link Detector Housing Kit	89.80	17.17
Note: Includes (1) bracket, (2) 1/2" EMT connectors, (4) cable crimp sleeves, and (1) S hook.				
21 23 16 00-0042	EA	XV Or KRS-50 Remote Manual Release, Combination Pull-To-Trip/Release-To-Trip	244.82	11.44
21 23 16 00-0043	EA	XV Remote Manual Release, Pull-To-Trip	187.20	11.44
21 23 16 00-0044	EA	Corner Pulley, Mechanical Actuation Systems	30.26	3.09
21 23 16 00-0045	EA	Double Tee Pulley, Mechanical Actuation Systems	424.90	18.88
21 23 16 00-0046	EA	In-Line Tee Pulley, Mechanical Actuation Systems	50.75	5.03
21 23 16 00-0047	EA	Corner Pulley / Quik-Seal Adapter Combination	98.93	5.72
21 23 16 00-0048	LF	1/16" Cable, Mechanical Actuation Systems	2.86	1.15
21 23 16 00-0049	EA	Cable Clamp	13.95	0.57
21 23 16 00-0050	EA	Cable Crimp Sleeve, Mechanical Actuation Systems	1.92	0.45
21 23 16 00-0051	EA	"S" Hook, Mechanical Actuation Systems	1.85	0.45
21 23 16 00-0052	EA	1/2" EMT x 3/8" NPT Adapter, Mechanical Actuation Systems	108.31	10.64

21 23 16 00-0053 Mechanical Detection Links (21 23 16 00-0001)

21 23 16 00-0054	EA	KGS Standard Response Link	22.19	5.72
21 23 16 00-0055	EA	KGS Rapid Response Link	32.93	5.72
21 23 16 00-0056	EA	KFA Type "A" Fusible Link	28.11	5.72
21 23 16 00-0057	EA	KML Type "ML" Fusible Link	26.38	5.72
21 23 16 00-0058	EA	500 Degree, KML Type "ML" Fusible Link	39.18	5.72

21 23 16 00-0059 Gas Valves (21 23 16 00-0001)

21 23 16 00-0060	EA	3/4" NPT Mechanical Cable Operated Gas Shut-off Valve	495.91	24.72
21 23 16 00-0061	EA	1" NPT Mechanical Cable Operated Gas Shut-off Valve	538.90	30.44
21 23 16 00-0062	EA	1-1/4" NPT Mechanical Cable Operated Gas Shut-off Valve	617.97	38.44
21 23 16 00-0063	EA	1-1/2" NPT Mechanical Cable Operated Gas Shut-off Valve	677.62	44.28
21 23 16 00-0064	EA	2" NPT Mechanical Cable Operated Gas Shut-off Valve	730.76	52.29
21 23 16 00-0065	EA	2-1/2" NPT Mechanical Cable Operated Gas Shut-off Valve	1,214.40	76.43
21 23 16 00-0066	EA	3" NPT Mechanical Cable Operated Gas Shut-off Valve	1,355.26	88.44
21 23 16 00-0067	EA	Pneumatic Release (Single Unit)	563.37	27.92
21 23 16 00-0068	EA	Removal And Replacement Of Cable Block And Set Screw Assembly For Gas Valve	64.12	
21 23 16 00-0069	EA	1/2" Electric Solenoid Gas Shut-off Valve	518.39	23.00
21 23 16 00-0070	EA	3/4" Electric Solenoid Gas Shut-off Valve	521.85	24.72
21 23 16 00-0071	EA	1" Electric Solenoid Gas Shut-off Valve	807.54	30.44
21 23 16 00-0072	EA	1-1/4" Electric Solenoid Gas Shut-off Valve	853.26	38.44
21 23 16 00-0073	EA	1-1/2" Electric Solenoid Gas Shut-off Valve	979.61	44.28
21 23 16 00-0074	EA	2" Electric Solenoid Gas Shut-off Valve	1,260.63	52.29
21 23 16 00-0075	EA	2-1/2" Electric Solenoid Gas Shut-off Valve	2,087.02	76.43
21 23 16 00-0076	EA	3" Electric Solenoid Gas Shut-off Valve	2,624.36	88.44
21 23 16 00-0077	EA	Manual Reset Relay	683.93	114.99

21 23 16 00-0078 Liquid Tight Sealing Adapters (21 23 16 00-0001)

21 23 16 00-0079	EA	3/8" Tubing, Compression Seal Adapter	55.92	4.80
21 23 16 00-0080	EA	1/2" Tubing, 1/4" Pipe, Compression Seal Adapter	54.91	5.27
21 23 16 00-0081	EA	5/8" Tubing, 3/8" Pipe, Compression Seal Adapter	64.44	6.29
21 23 16 00-0082	EA	3/4" Tubing, 1/2" Pipe, Compression Seal Adapter	74.55	6.75
21 23 16 00-0083	EA	1/2" Electrical Metallic Tubing (EMT), Compression Seal Adapter	64.44	6.29
21 23 16 00-0084	EA	3/8" NPT Female, Quik-Seal Adapter	54.91	5.27
21 23 16 00-0085	EA	1/2" NPT Female, Quik-Seal Adapter	54.91	5.27
21 23 16 00-0086	EA	3/4" NPT Female, Quik-Seal Adapter	90.07	8.92
21 23 16 00-0087	EA	1" NPT Female, Quik-Seal Adapter	119.93	11.78
21 23 16 00-0088	EA	Quik-Patch For Hole Patching Up To 1-1/8" Diameter	54.91	

21 23 16 00-0089 Pressure Operated Releasing Systems (21 23 16 00-0001)

21 23 16 00-0090	EA	KRS-100 Nitrogen Cylinder	400.70	34.56
21 23 16 00-0091	EA	KRS-100 Actuator Assembly	357.63	35.24
21 23 16 00-0092	EA	KRS-100 Mounting Bracket	287.78	8.70
21 23 16 00-0093	EA	KRS-700S Nitrogen Cylinder	1,027.43	99.66
21 23 16 00-0094	EA	KRS-700 Mounting Bracket	218.66	21.29
21 23 16 00-0095	EA	KRS-700S Discharge Adapter Kit	335.19	21.29
21 23 16 00-0096	EA	Check Valve, Pressure Operated Releasing Systems	334.01	15.10
21 23 16 00-0097	EA	Vent Check, Pressure Operated Releasing Systems	100.84	9.62
21 23 16 00-0098	EA	Removal And Replacement Of Receiver Gasket For KRS-100 Actuator Assembly	13.36	
21 23 16 00-0099	EA	3 Pole, Double Throw Pressure Switch	823.46	80.10

Fire Suppression			21
Fire-Extinguishing Systems			21 20
Wet-Chemical Fire-Extinguishing Systems			21 23
MINOR	DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM	UNIT COST	UNIT COST

21 23 16 00-0100		Pyro-Chem Kitchen Fire Suppression Systems (21 23 16)	
21 23 16 00-0101		Cylinders, Kitchen Fire Suppression Systems (21 23 16 00-0100)	
21 23 16 00-0102	EA	3.0 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551194).....	997.12 81.23
21 23 16 00-0103	EA	4.6 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551193).....	1,436.27 117.05
21 23 16 00-0104	EA	6.0 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551196).....	1,884.64 160.07
21 23 16 00-0105	EA	Cylinder Mounting Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550053).....	203.78 19.11
21 23 16 00-0106	EA	Enclosure With Mechanical Control Unit, Kitchen Fire Suppression Systems (Pyro-Chem 551208).....	1,341.80 124.95
21 23 16 00-0107	EA	Enclosure For Secondary Cylinders, Kitchen Fire Suppression Systems (Pyro-Chem 550966).....	819.26 76.20
21 23 16 00-0108		Fusible Links, Kitchen Fire Suppression Systems (21 23 16 00-0100)	
21 23 16 00-0109	EA	165 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551522).....	26.46 2.52
21 23 16 00-0110	EA	212 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551523).....	26.46 2.52
21 23 16 00-0111	EA	280 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551524).....	27.11 2.52
21 23 16 00-0112	EA	360 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551525).....	26.46 2.52
21 23 16 00-0113	EA	450 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551526).....	26.46 2.52
21 23 16 00-0114	EA	500 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551527).....	28.82 2.52
21 23 16 00-0115	EA	Fusible Link Kit With 10" Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550131).....	45.83 4.23
21 23 16 00-0116	EA	Fusible Link Kit With 8" Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550132).....	59.47 5.61
21 23 16 00-0117	EA	Fusible Link Hanger, Kitchen Fire Suppression Systems (Pyro-Chem 550876).....	67.92 28.95
21 23 16 00-0118	EA	225 To 600 Fahrenheit, Electrical Thermal Detector, Kitchen Fire Suppression Systems (Pyro-Chem 13970-6).....	569.85 64.42
21 23 16 00-0119		Gas Valves, Kitchen Fire Suppression Systems (21 23 16 00-0100)	
21 23 16 00-0120	EA	3/4" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550593).....	482.48 24.72
21 23 16 00-0121	EA	1" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550594).....	549.04 30.44
21 23 16 00-0122	EA	1-1/4" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550595).....	591.37 38.44
21 23 16 00-0123	EA	1-1/2" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550596).....	650.09 44.17
21 23 16 00-0124	EA	2" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 551049).....	747.52 52.18
21 23 16 00-0125	EA	2-1/2" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550185).....	1,751.21 76.32
21 23 16 00-0126	EA	3" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550186).....	1,867.16 88.33
21 23 16 00-0127	EA	3/4" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550358).....	377.45 24.72
21 23 16 00-0128	EA	1" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550359).....	646.18 30.44
21 23 16 00-0129	EA	1-1/4" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550360).....	672.74 38.44
21 23 16 00-0130	EA	1-1/2" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550361).....	765.58 44.17
21 23 16 00-0131	EA	2" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550362).....	1,062.54 52.18
21 23 16 00-0132	EA	2-1/2" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550363).....	2,060.95 76.32
21 23 16 00-0133	EA	3" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 17643).....	2,171.69 88.33
21 23 16 00-0134		Nozzles, Kitchen Fire Suppression Systems (21 23 16 00-0100)	
21 23 16 00-0135	EA	Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem).....	94.92 8.47
21 23 16 00-0136	EA	Swivel Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem).....	135.11 10.75
21 23 16 00-0137	EA	Stainless Steel Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem).....	528.76 10.75
21 23 16 00-0138		Actuating Cylinders/Cartridges, Kitchen Fire Suppression Systems (21 23 16 00-0100)	
21 23 16 00-0139	EA	Carbon Dioxide Actuation Cartridge, Kitchen Fire Suppression Systems (Pyro-Chem 551059).....	35.01 3.32
21 23 16 00-0140	EA	PAC-10, Pneumatic Actuating Cylinder, Kitchen Fire Suppression Systems (Pyro-Chem 550104).....	1,146.86 107.44
21 23 16 00-0141	EA	PAC-200, Pneumatic Actuating Cylinder, Kitchen Fire Suppression Systems (Pyro-Chem 550690).....	1,461.31 137.42
21 23 16 00-0142		Circuit Monitors, Kitchen Fire Suppression Systems (21 23 16 00-0100)	
21 23 16 00-0143	EA	24 Volt DC, System Circuit Monitor/Gas Valve Reset Relay, Kitchen Fire Suppression Systems (Pyro-Chem 550303).....	749.69 70.37
21 23 16 00-0144	EA	120 Volt AC, System Circuit Monitor/Gas Valve Reset Relay, Kitchen Fire Suppression Systems (Pyro-Chem 550302).....	904.60 84.79
21 23 16 00-0145		Control Heads, Kitchen Fire Suppression Systems (21 23 16 00-0100)	
21 23 16 00-0146	EA	Mechanical Control Head, No Local Action, Kitchen Fire Suppression Systems (Pyro-Chem 551203).....	827.14 77.58
21 23 16 00-0147	EA	Mechanical Control Head With Local Action, Kitchen Fire Suppression Systems (Pyro-Chem 551200).....	863.24 81.12
21 23 16 00-0148	EA	24 Volt DC, Electrical Control Head With Local Actuation, Kitchen Fire Suppression Systems (Pyro-Chem 551201).....	1,124.51 105.50
21 23 16 00-0149	EA	120 Volt AC Electrical Control Head With Local Actuation, Kitchen Fire Suppression Systems (Pyro-Chem 551202).....	1,289.94 121.29
21 23 16 00-0150	EA	Control Head Mounting Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550853).....	104.77 9.84
21 23 16 00-0151		Corner Pulleys/Tees, Kitchen Fire Suppression Systems (21 23 16 00-0100)	
21 23 16 00-0152	EA	Set Screw Type, Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 415670).....	26.38 1.60
21 23 16 00-0153	EA	Compression Type, Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 423250).....	27.11 2.06
21 23 16 00-0154	EA	Tee Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 550166).....	84.02 7.89
21 23 16 00-0155	EA	Removal And Replacement Of Screw For Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 550272).....	1.05
21 23 16 00-0156		Switches, Kitchen Fire Suppression Systems (21 23 16 00-0100)	
21 23 16 00-0157	EA	SPDT Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550227).....	91.38 8.58
21 23 16 00-0158	EA	DPDT Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550237).....	183.02 17.05
21 23 16 00-0159	EA	Four Pole Double Throw Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550978).....	387.33 36.16

21 Fire Suppression**21 20 Fire-Extinguishing Systems****21 23 Wet-Chemical Fire-Extinguishing Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

21 23 16 00-0160	Wire Rope/Accessories, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0161	LF 1/16" Diameter Stainless Steel Wire Rope, Kitchen Fire Suppression Systems (Pyro-Chem 15821).....	1.85	0.34
21 23 16 00-0162	EA Crimps For 1/16" Diameter Stainless Steel Wire Rope, Kitchen Fire Suppression Systems (Pyro-Chem 550122).....	1.06	0.34
21 23 16 00-0163	EA High Temperature Stainless Steel Crimps, Kitchen Fire Suppression Systems (Pyro-Chem 551551).....	4.55	0.45
21 23 16 00-0164	EA "S" Hooks, Kitchen Fire Suppression Systems (Pyro-Chem 550121).....	0.75	
21 23 16 00-0165	Replacement Parts, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0166	EA Wet Valve Rebuilding Kit, Kitchen Fire Suppression Systems (Pyro-Chem 550698).....	86.80	8.24
21 23 16 00-0167	EA Wet Valve Cap With Schrader Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550831).....	90.62	8.58
21 23 16 00-0168	EA Wet Spring, Kitchen Fire Suppression Systems (Pyro-Chem 550705).....	10.62	1.03
21 23 16 00-0169	EA 225 psi, Wet Gauge, Kitchen Fire Suppression Systems (Pyro-Chem 551236).....	124.74	11.22
21 23 16 00-0170	EA Wet Valve O-ring, Kitchen Fire Suppression Systems (Pyro-Chem 550716).....	17.47	1.60
21 23 16 00-0171	EA Wet Piston, Kitchen Fire Suppression Systems (Pyro-Chem 550707).....	24.30	2.29
21 23 16 00-0172	EA Wet Piston O-Ring, Kitchen Fire Suppression Systems (Pyro-Chem 550715).....	10.62	1.03
21 23 16 00-0173	EA Wet Nozzle Cap, Kitchen Fire Suppression Systems (Pyro-Chem 551528).....	14.96	1.37
21 23 16 00-0174	EA Wet Nozzle Strainer, Kitchen Fire Suppression Systems (Pyro-Chem 551529).....	14.62	1.37
21 23 16 00-0175	EA Wet Nozzle Cap O-Ring, Kitchen Fire Suppression Systems (Pyro-Chem 551530).....	4.18	0.34
21 23 16 00-0176	EA Removal And Replacement Of Teflon Washer For Control Head Actuator, Kitchen Fire Suppression Systems (Pyro-Chem 550257).....	7.09	
21 23 16 00-0177	EA O-Ring Lubrication, Kitchen Fire Suppression Systems (Pyro-Chem 550063).....	135.36	
21 23 16 00-0178	EA 3.0 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 551024).....	924.99	
21 23 16 00-0179	EA 4.6 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 550902).....	1,199.40	
21 23 16 00-0180	EA 6.0 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 550901).....	1,384.53	
21 23 16 00-0181	Accessories, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0182	EA 3/8" Quickseal Adapter, Kitchen Fire Suppression Systems (Pyro-Chem 550857).....	42.52	3.89
21 23 16 00-0183	EA 1/2" Quickseal Adapter, Kitchen Fire Suppression Systems (Pyro-Chem 550859).....	44.04	4.12
21 23 16 00-0184	EA Wet Valve Tool, Kitchen Fire Suppression Systems (Pyro-Chem 550788).....	84.82	7.89
21 23 16 00-0185	EA Recharge Adapter Kit, Kitchen Fire Suppression Systems (Pyro-Chem 551240).....	120.01	
21 23 16 00-0186	EA 3.0 Gallon Of Wet Chemical For Recharge, Kitchen Fire Suppression Systems (Pyro-Chem 551188).....	257.97	
21 23 16 00-0187	Pull Stations/Accessories, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0188	EA Mechanical, Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 551074).....	171.32	16.13
21 23 16 00-0189	EA Electric, Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 551166).....	181.87	22.65
21 23 16 00-0190	EA Trim Ring For Flush Mounting Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 550088).....	45.83	4.23
21 23 16 00-0191	EA Glass Rods For Pull Stations, Kitchen Fire Suppression Systems (Pyro-Chem 428661).....	5.92	1.49
21 23 16 00-0192	Asco Gas Valve Control Panels (21 23 16)		
21 23 16 00-0193	EA Relay Control Panel For AC Solenoid Valves (Asco 108D90C).....	2,614.35	251.73
21 23 16 00-0194	EA Relay Control Panel For DC Solenoid Valves (Asco 108D10C).....	2,701.99	251.73
21 23 16 00-0195	EA Master Control Station For Relay Control Panel For DC Solenoid Valves (Asco 216C89).....	881.00	57.21
21 23 16 00-0196	EA Emergency Stop Station For Relay Control Panel (Asco 173A19).....	823.75	57.21

21 24 Dry-Chemical Fire-Extinguishing Systems (21 20)**21 24 16 Dry-Chemical Fire-Extinguishing Equipment (21 24)**

21 24 16 00-0001	Amerex KP Restaurant Fire Suppression Systems (21 24 16)		
	Note: Amerex or equal.		
21 24 16 00-0002	EA 3.75 Gallon, Charged, Agent Cylinder Assembly With Discharge Valve.....	690.68	88.79
21 24 16 00-0003	EA 6 Gallon, Charged, Agent Cylinder Assembly With Discharge Valve.....	964.90	111.96
21 24 16 00-0004	EA Recharge - KP Liquid Agent (3.75 Gallon).....	229.17	
21 24 16 00-0005	EA Recharge - KP Liquid Agent (6 Gallon).....	402.85	
21 24 16 00-0006	EA 3.75 Gallon, Bracket Assembly Agent Cylinder With Distribution Hose Assembly And Distribution Outlet.....	160.41	18.64
21 24 16 00-0007	EA 6 Gallon, Bracket Assembly Agent Cylinder.....	93.45	10.81
21 24 16 00-0008	EA 6 Gallon, 3/4 NPT, Agent Cylinder Discharge Adapter Kit.....	40.53	
21 24 16 00-0009	EA 6 Gallon, Pneumatic Actuator, Agent Cylinder.....	160.41	18.64
21 24 16 00-0010	EA MRM Actuator (Less N2 Cylinder And Enclosure).....	402.85	46.72
21 24 16 00-0011	EA Painted Steel, MRM Enclosure.....	214.69	24.85
21 24 16 00-0012	EA Stainless Steel, MRM Enclosure.....	262.86	24.85
21 24 16 00-0013	EA Stainless Steel, Single Cylinder System Cabinet.....	639.26	74.18
21 24 16 00-0014	EA N2 - 1/4" x 16" Actuation Hose.....	48.24	5.60
21 24 16 00-0015	EA 10 CU. Inch, Nitrogen Cylinder.....	214.69	24.85
	Note: Use For 1-10 Agent Cylinders		
21 24 16 00-0016	EA Vent Check.....	38.60	4.47
21 24 16 00-0017	EA Detector.....	28.94	3.35
	Note: Includes bracket, linkage and conduit fittings.		
21 24 16 00-0018	EA 280 To 450 Degree F, Fusible Link.....	10.86	1.24
21 24 16 00-0019	EA Test Link.....	3.35	
21 24 16 00-0020	EA Corner Pulley.....	14.96	1.74
21 24 16 00-0021	EA 1/16", 500 Foot Spool, Cable.....	241.22	27.96
21 24 16 00-0022	EA Pulley Tee.....	108.54	12.55
21 24 16 00-0023	EA Manual Pull Station (Standard).....	96.48	11.18
21 24 16 00-0024	EA Manual Pull Station, Adapter Kit (Recess Standard Pull Station).....	45.26	5.22
21 24 16 00-0025	EA Manual Pull Station (Oversized).....	107.58	12.43
21 24 16 00-0026	EA Conduit Offset.....	21.47	2.49
21 24 16 00-0027	EA 3/8" Pipe Thread, Seal (Quick-Seal).....	29.58	3.48
21 24 16 00-0028	EA 1/2" Pipe Thread, Seal (Quick-Seal).....	24.13	2.86

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 24 16 00-0029	EA		3/8" Pipe Compression Seal	40.28	4.72
21 24 16 00-0030	EA		1/2" Pipe Compression Seal	40.28	4.72
21 24 16 00-0031	EA		Cap, Nozzle Blow-Off (Standard)	11.06	3.23
21 24 16 00-0032	EA		Cap, Nozzle Blow-Off (High Temperature)	26.81	3.23
21 24 16 00-0033	EA		2 Flow Points, Fryer/Griddle Nozzle	48.24	5.60
21 24 16 00-0034	EA		1 Flow Point Each, Appliance, Plenum Nozzle	48.24	5.60
21 24 16 00-0035	EA		Nozzle - Solid Fuel Charbroiler - 1 To 1-1/2 Flow Points Each	48.24	5.60
21 24 16 00-0036	EA		1/2 Flow Points Each, Upright Charbroiler Nozzle	48.24	5.60
21 24 16 00-0037	EA		2 Flow Points Each, Duct (Only) Nozzle	48.24	5.60
21 24 16 00-0038	EA		2 Flow Points Each, Four Burner Range Nozzle	69.38	8.08
21 24 16 00-0039	EA		3/4" Or 1" Mechanical Gas Valve	386.38	32.93
21 24 16 00-0040	EA		1-1/4" Or 1-1/2" Mechanical Gas Valve	453.26	47.84
21 24 16 00-0041	EA		2" Mechanical Gas Valve	565.14	56.54
21 24 16 00-0042	EA		Manual Reset Relay (Required With Every Electric Gas Valve)	607.87	70.46
21 24 16 00-0043	EA		SPDT Microswitch With 18" Leads	31.99	3.72
21 24 16 00-0044	EA		Kit Gas Valve Actuator For Use With ASCO Mechanical Gas Valve	51.63	5.97
21 24 16 00-0045	EA		Gas Valve Trip Assembly	108.55	12.55
21 24 16 00-0046 Range Guard Fire Suppression Systems (21 24 16)					
Note: Range Guard or equal.					
21 24 16 00-0047	EA		1-1/4 Gallon Charged Cylinder With Valve	732.93	95.99
21 24 16 00-0048	EA		2-1/2 Gallon Charged Cylinder With Valve	914.90	119.80
21 24 16 00-0049	EA		4 Gallon Charged Cylinder With Valve	1,129.51	147.95
21 24 16 00-0050	EA		6 Gallon Charged Cylinder With Valve	1,341.60	175.64
21 24 16 00-0051	EA		Vent Plug	30.79	4.01
21 24 16 00-0052	EA		Discharge Adapter Kit	39.65	
21 24 16 00-0053	EA		1-1/4 Gallon Wall Bracket	81.58	10.64
21 24 16 00-0054	EA		2-1/2 Gallon Wall Bracket	86.34	11.33
21 24 16 00-0055	EA		4 Gallon Wall Bracket	163.05	21.40
21 24 16 00-0056	EA		6 Gallon Wall Bracket	180.71	23.68
21 24 16 00-0057	EA		Mechanical Control Head, No Microswitch	637.55	83.53
21 24 16 00-0058	EA		Mechanical Control Head, 1 Microswitch	665.16	87.07
21 24 16 00-0059	EA		Mechanical Control Head, 2 Microswitches	763.04	99.89
21 24 16 00-0060	EA		Tandem Control Head	579.81	75.98
21 24 16 00-0061	EA		Electric Control Head, 120 Volt AC / 24 Volt DC	981.42	128.50
21 24 16 00-0062	EA		Mechanical Control Box	436.74	57.21
21 24 16 00-0063	EA		Tandem Control Box	436.74	57.21
21 24 16 00-0064	EA		Mechanical Control Box Adapter	128.01	16.82
21 24 16 00-0065	EA		A+ Control head With 1 Pressure Operated Actuator	384.70	50.34
21 24 16 00-0066	EA		Pressure Operated Actuator	158.13	20.71
21 24 16 00-0067	EA		BMCS-1 Nitrogen Cylinder	256.03	33.53
21 24 16 00-0068	EA		BMCS-1 Actuator Assembly	261.04	34.21
21 24 16 00-0069	EA		BMCS-1 Mounting Bracket	64.00	8.36
21 24 16 00-0070	EA		BMCS-7 Nitrogen Cylinder	738.74	96.69
21 24 16 00-0071	EA		BMCS-7 Mounting Bracket	158.13	20.71
21 24 16 00-0072	EA		BMCS-7 Discharge Adapter Kit	158.13	20.71
21 24 16 00-0073	EA		Check Valve	131.53	24.60
21 24 16 00-0074	EA		Vent Check For Use With BMCS Systems	71.54	9.38
21 24 16 00-0075	EA		Check Valve, (Schrader Flare Fitting) For Pressure Operated Actuator	31.13	4.08
21 24 16 00-0076	EA		Removal And Replacement Of Receiver Gasket For BMCS-Actuator Assembly	8.18	
21 24 16 00-0077	EA		Pneumatic Control Head For Slave Cylinders	163.15	21.40
21 24 16 00-0078	EA		Nozzles; ADP, F, R And GRW	74.79	9.84
21 24 16 00-0079	EA		Nozzles; DM And LPF	83.33	10.87
21 24 16 00-0080	EA		Swivel Adapter	52.71	6.87
21 24 16 00-0081	EA		Corner Pulley	22.59	2.97
21 24 16 00-0082	LF		1/16" Stainless Steel Cable	0.98	0.34
21 24 16 00-0083	EA		Cable Crimp Sleeve	1.19	0.34
21 24 16 00-0084	EA		"S" Hook	0.94	0.23
21 24 16 00-0085	EA		Electrical Metallic Tubing (EMT) Adapter, 1/2" Electrical Metallic Tubing (EMT) x 3/8" NPT	77.78	10.18
21 24 16 00-0086	EA		Cable Clamp	6.93	0.92
21 24 16 00-0087	EA		Nico Sleeves - 1/16" Cable	0.95	0.23
21 24 16 00-0088	EA		3/8" Cable Anchor	82.20	10.75
21 24 16 00-0089	EA		1/2" Cable Anchor	82.20	10.75
21 24 16 00-0090	EA		Mechanical Remote Manual Release (Pull Cable)	132.97	17.39
21 24 16 00-0091	EA		Tee Pulley, Use For Mechanical Pull And Gas Valve	141.90	18.54
21 24 16 00-0092	EA		Surface Remote Manual Release, End-of-line	166.24	21.74
21 24 16 00-0093	EA		Surface Remote Manual Release, In line Conservation Kit	52.08	6.87
21 24 16 00-0094	EA		Surface Remote Manual Release, In line And End Of Line	218.26	28.49
21 24 16 00-0095	EA		Recessed Remote Manual Release, End-of-line	166.24	21.74
21 24 16 00-0096	EA		Recessed Remote Manual Release, In Line Kit	198.19	25.98
21 24 16 00-0097	EA		Pulley Tee, Remote In Line Only	35.62	4.69
21 24 16 00-0098	EA		Fusible Link Housing Kit With 1 - Bracket, 2 - 1/2" Electrical Metallic Tubing (EMT) Connector, 1 - "S" Hook, 8 - Cable Crimp Sleeve	39.55	5.15
21 24 16 00-0099	EA		Fusible Link 165F To 360F	12.95	1.71
21 24 16 00-0100	EA		Fusible Link 500F	20.64	1.71
21 24 16 00-0101	EA		Standard Detector With 1 - 360F link, 2 - "S" Hooks, 2 - Crimp Sleeves	39.54	5.15
21 24 16 00-0102	EA		Standard Detector Kit With 1 - Large Bracket, 2 - "S" Hooks, 2 - Cable Crimp Sleeve	28.89	5.15
21 24 16 00-0103	EA		Quartzoid Link 400 F	213.24	27.92
21 24 16 00-0104	EA		Quartzoid Link 500 F	213.24	27.92
21 24 16 00-0105	EA		SPDT Micro Switch For Use With A Plus Control Box	76.42	9.96
21 24 16 00-0106	EA		DPDT Micro Switch For Use With A Plus Control Box	132.96	17.39
21 24 16 00-0107	EA		SPDT Micro Switch For Use With A Mechanical Control Box	79.02	10.30
21 24 16 00-0108	EA		DPDT Micro Switch For Use With A Mechanical Control Box	136.96	17.96
21 24 16 00-0109	EA		SPDT Micro Switch For Use With PRCB	100.35	13.16
21 24 16 00-0110	EA		DPDT Micro Switch For Use With PRCB	144.76	18.88

21 Fire Suppression**21 20 Fire-Extinguishing Systems****21 24 Dry-Chemical Fire-Extinguishing Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

21 24 16 00-0111	EA	Pressure Switch, SPDT (Fire Dept. Tie In)	423.99	55.50
21 24 16 00-0112	EA	Circuit Monitor 12 Or 24 Volt DC	190.67	24.94
21 24 16 00-0113	EA	Circuit Monitor 120 Volt AC	190.67	24.94
21 24 16 00-0114	EA	Electric Manual Pull Station	139.23	18.19
21 24 16 00-0115	EA	6", 24 Volt DC, Motor Bell	77.77	10.18
21 24 16 00-0116	EA	10", 115 Volt AC Motor Bell	110.39	14.42
21 24 16 00-0117	EA	Fuse, 1.2 For ECH	8.95	1.15
21 24 16 00-0118	EA	Indicator Lamp 12 Or 24 Volt DC	39.55	5.15
21 24 16 00-0119	EA	Indicator Lamp 120 Volt AC	39.55	5.15
21 24 16 00-0120	EA	B-10 Manual Station Dual Action, SPDT	145.51	18.99
21 24 16 00-0121	EA	B-11 Manual Station Dual Action, DPDT	160.56	21.05
21 24 16 00-0122	EA	Break Rods For B10/B11 Manual Pull Station	4.10	1.49
21 24 16 00-0123	EA	Spare Key For B10/B11 Manual Stations	20.07	2.63
21 24 16 00-0124	EA	MT-24-LSM-VAR Multitone Signal With 15/75cd Strobe, 24 Volt, Flush Grill	215.75	28.26
21 24 16 00-0125	EA	Suppression Abort Station	228.31	29.86
21 24 16 00-0126	EA	Suppression Abort Station With Surface Mount Back Box	265.93	34.79
21 24 16 00-0127	EA	Surface Mount Back Box	87.81	11.44
21 24 16 00-0128	EA	Single Hazard Control Unit, 120 Volt AC IP	1,630.69	213.16
21 24 16 00-0129	EA	Single Hazard Control Unit, 240 Volt AC IP	1,630.69	213.16
21 24 16 00-0130	EA	1 Lead Acid Battery; 24 Volt DC, 1.2 A.H.	135.48	17.73
21 24 16 00-0131	EA	Accessory Kit - End-of-line Resistors (10K Ohms, 1/2 W)	5.19	0.81
21 24 16 00-0132	EA	Spare Scorpio Circuit Board	1,179.05	
21 24 16 00-0133	EA	Extra Scorpio Key	20.07	
21 24 16 00-0134	EA	Extra Scorpio Manual	12.54	
21 24 16 00-0135	EA	Compression Seal Adapter 3/8" Pipe	34.12	4.46
21 24 16 00-0136	EA	Compression Seal Adapter 1/2" Tubing/ 1/4" Pipe	37.04	4.80
21 24 16 00-0137	EA	Compression Seal Adapter 5/8" Tubing/ 3/8" Pipe	44.57	5.84
21 24 16 00-0138	EA	Compression Seal Adapter 3/4" Tubing/ 1/2" Pipe	47.66	6.18
21 24 16 00-0139	EA	Quik Seal Adapter 3/8" NPT Female	37.04	4.80
21 24 16 00-0140	EA	Quik Seal Adapter 1/2" NPT Female	37.04	4.80
21 24 16 00-0141	EA	Quik Seal Adapter 3/4" NPT Female	63.37	8.36
21 24 16 00-0142	EA	Quik Seal Adapter 1" NPT Female	84.04	10.98
21 24 16 00-0143	EA	Quik Patch (Up To 1-1/8" Diameter)	37.04	4.80
21 24 16 00-0144	EA	1-1/4 Gallon Karbaloy Charge	82.44	
21 24 16 00-0145	EA	2-1/2 Gallon Karbaloy Charge	141.74	
21 24 16 00-0146	EA	4 Gallon Karbaloy Charge	214.23	
21 24 16 00-0147	EA	6 Gallon Karbaloy Charge	313.48	
21 24 16 00-0148	EA	Inlet Flushing Adapter	61.46	8.00
21 24 16 00-0149	EA	1/2" Flushing Adapter (Outlet)	61.46	8.00
21 24 16 00-0150	EA	1/8" Flushing Adapter (Outlet)	61.46	8.00
21 24 16 00-0151	EA	1/4" Flushing Adapter (Outlet)	61.46	8.00
21 24 16 00-0152	EA	3/8" Flushing Adapter (Outlet)	61.46	8.00
21 24 16 00-0153	EA	Recharge Adapter (Old Style Cylinder Valve Assembly Only)	85.29	
21 24 16 00-0154	EA	Instruction Label (In Case Of Fire) - MCB	6.79	
21 24 16 00-0155	EA	Caution Sign (Turn On Fan)	8.18	
21 24 16 00-0156	EA	Inspection Label (Authorized installers only)	5.68	
21 24 16 00-0157	EA	Label, Warning, A+ Control Box	4.01	
21 24 16 00-0158	EA	Wet Chemical System Kits, RG-1.25G Kit; #23315	1,078.70	141.08
21 24 16 00-0159	EA	Wet Chemical System Kits, RG-2.5G Kit; #23316	1,259.35	164.65
21 24 16 00-0160	EA	Wet Chemical System Kits, RG-4GS Kit; #23317	1,567.94	205.04
21 24 16 00-0161	EA	Wet Chemical System Kits, RG-4GT Kit; #23318	1,567.94	205.04
21 24 16 00-0162	EA	Wet Chemical System Kits, RG-6G Kit; #23319	1,971.82	257.79
21 24 16 00-0163	EA	Wet Chemical System Kits, RG Mechanical Control HD (MCH) Kit; #23320	934.48	122.20
21 24 16 00-0164	EA	Wet Chemical System Kits, RG Mechanical Control Box (MCB) Kit; #23321	878.02	114.76
21 24 16 00-0165	EA	Wet Chemical System Kits, A Plus Control Box Kit; #23322	709.94	92.79
21 24 16 00-0166	EA	Wet Chemical System Kits, Valve Rebuild Kit; #23210	1,229.22	160.76
21 24 16 00-0167	EA	Wet Chemical System Kits, BMCS-1 Package; #23208	1,126.37	147.25

21 30 Fire Pumps ⁽²¹⁾**21 31 Centrifugal Fire Pumps** ^(21 30)**21 31 13 Electric-Drive, Centrifugal Fire Pumps** ^(21 31)**21 31 13 00-0001 Electric-Drive Fire Pumps** ^(21 31 13)

Note: Includes fire pump and motor, motor starter, panel, and controller.

21 31 13 00-0002	EA	20 HP, 500 GPM, Electric-Drive Fire Pump	30,259.60	1,999.38
		<i>For Duplex Pumping System, Add</i>	28,260.23	
21 31 13 00-0003	EA	30 HP, 500 GPM, Electric-Drive Fire Pump	35,075.26	2,249.29
		<i>For Duplex Pumping System, Add</i>	32,992.58	
21 31 13 00-0004	EA	40 HP, 750 GPM, Electric-Drive Fire Pump	47,349.18	2,499.22
		<i>For Duplex Pumping System, Add</i>	45,035.09	
21 31 13 00-0005	EA	50 HP, 1,000 GPM, Electric-Drive Fire Pump	58,267.11	2,747.05
		<i>For Duplex Pumping System, Add</i>	55,520.06	
21 31 13 00-0006	EA	75 HP, 1,000 GPM, Electric-Drive Fire Pump	64,986.26	2,996.79
		<i>For Duplex Pumping System, Add</i>	61,989.47	

21 31 16 Diesel-Drive, Centrifugal Fire Pumps ^(21 31)**21 31 16 00-0001 Diesel-Drive Fire Pumps** ^(21 31 16)

Note: Pumps shall be stand alone units meeting NFPA-20 specs. Includes fire pump and motor, motor starter, panel, and controller.

21 31 16 00-0002	EA	30 HP Diesel Driven Fire Pump, NFPA-20 Specific	78,367.83	2,247.60
21 31 16 00-0003	EA	40 HP Diesel Driven Fire Pump, NFPA-20 Specific	88,660.87	2,497.33

Fire Suppression		21	21
Fire Pumps		21 30	
Centrifugal Fire Pumps		21 31	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 31 16 00-0004	EA		50 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	93,131.23	2,747.05
21 31 16 00-0005	EA		75 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	106,008.83	2,996.79
21 31 16 00-0006	EA		150 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	112,454.21	3,496.26
21 31 16 00-0007	EA		175 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	120,888.62	4,495.18
21 31 16 00-0008	EA		200 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	131,195.90	4,994.65
21 31 16 00-0009	EA		250 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	150,022.90	5,693.90
21 31 16 00-0010	EA		300 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	179,837.26	6,143.42
21 31 16 00-0011	EA		350 HP Diesel Driven Fire Pump , NFPA-20 Specific.....	211,044.56	6,992.51
21 31 16 00-0012	EA		400 HP Diesel Driven Fire Pump , NFPA-20 Specific.....	250,663.45	7,491.98
21 31 16 00-0013	EA		500 HP Diesel Driven Fire Pump , NFPA-20 Specific.....	282,360.13	7,991.44

21 34 Fire Pump Accessories (21 30)

21 34 13 Pressure Maintenance Pumps (21 34)

21 34 13 00-0001 Jockey Pumps (21 34 13)

Note: Excludes controller

21 34 13 00-0002	EA		1-1/2 HP, 1-1/2" Pipe Connection, Jockey Pump	2,571.44	258.58
21 34 13 00-0003	EA		2 HP, 1-1/2" Pipe Connection, Jockey Pump.....	2,681.40	282.76
21 34 13 00-0004	EA		3 HP, 1-1/2" Pipe Connection, Jockey Pump.....	3,305.81	312.52
21 34 13 00-0005	EA		5 HP, 1-1/2" Pipe Connection, Jockey Pump.....	3,625.13	372.05
21 34 13 00-0006	EA		7.5 HP, 1-1/2" Pipe Connection, Jockey Pump.....	5,351.56	457.62

21 34 13 00-0007 Jockey Pump Controllers (21 34 13)

21 34 13 00-0008	EA		Up To 2 HP Jockey Pump Controller	681.03	74.41
21 34 13 00-0009	EA		>2 To 7.5 HP Jockey Pump Controller.....	1,055.03	74.41

END OF SECTION 21

21	21	Fire Suppression
	21 30	Fire Pumps
	21 34	Fire Pump Accessories



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST

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		Plumbing	22	22
		Operation and Maintenance of Plumbing	22 01	
		Operation and Maintenance of Plumbing Piping and Pumps	22 01 10	
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
		UNIT COST	UNIT COST	

22 Plumbing

Note: Where required, mechanical equipment excludes electrical connection unless title states otherwise.

22 01 Operation and Maintenance of Plumbing ⁽²²⁾

22 01 10 Operation and Maintenance of Plumbing Piping and Pumps ^(22 01)

See CSI section 23 01 20 00-0000 for purging of pipes and shutdown.

22 01 10 61 Plumbing Piping Repairs ^(22 01 10)

22 01 10 61-0001 Pipe Repair Clamps ^(22 01 10 61)

22 01 10 61-0002	EA	1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt	46.88
		Note: Includes neoprene gasket	
22 01 10 61-0003	EA	3/4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt	48.76
		Note: Includes neoprene gasket	
22 01 10 61-0004	EA	1" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt	53.61
		Note: Includes neoprene gasket	
22 01 10 61-0005	EA	1-1/4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt	57.17
		Note: Includes neoprene gasket	
22 01 10 61-0006	EA	1-1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt	61.89
		Note: Includes neoprene gasket	
22 01 10 61-0007	EA	2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt	78.89
		Note: Includes neoprene gasket	
22 01 10 61-0008	EA	2-1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt	100.18
		Note: Includes neoprene gasket	
22 01 10 61-0009	EA	3" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt	116.22
		Note: Includes neoprene gasket	
22 01 10 61-0010	EA	4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt	133.18
		Note: Includes neoprene gasket	
22 01 10 61-0011	EA	1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt	74.16
		Note: Includes neoprene gasket	
22 01 10 61-0012	EA	3/4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt	78.13
		Note: Includes neoprene gasket	
22 01 10 61-0013	EA	1" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt	86.48
		Note: Includes neoprene gasket	
22 01 10 61-0014	EA	1-1/4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt	95.05
		Note: Includes neoprene gasket	
22 01 10 61-0015	EA	1-1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt	104.76
		Note: Includes neoprene gasket	
22 01 10 61-0016	EA	2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt	135.27
		Note: Includes neoprene gasket	
22 01 10 61-0017	EA	2-1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt	163.88
		Note: Includes neoprene gasket	
22 01 10 61-0018	EA	3" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt	186.43
		Note: Includes neoprene gasket	
22 01 10 61-0019	EA	4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt	211.35
		Note: Includes neoprene gasket	
22 01 10 61-0020	EA	1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt	105.51
		Note: Includes Buna rubber gasket	
22 01 10 61-0021	EA	3/4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt	109.73
		Note: Includes Buna rubber gasket	
22 01 10 61-0022	EA	1" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt	121.25
		Note: Includes Buna rubber gasket	
22 01 10 61-0023	EA	1-1/4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt	132.98
		Note: Includes Buna rubber gasket	
22 01 10 61-0024	EA	1-1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt	150.14
		Note: Includes Buna rubber gasket	
22 01 10 61-0025	EA	2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt	183.49
		Note: Includes Buna rubber gasket	
22 01 10 61-0026	EA	2-1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt	215.09
		Note: Includes Buna rubber gasket	
22 01 10 61-0027	EA	3" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt	259.05
		Note: Includes Buna rubber gasket	
22 01 10 61-0028	EA	4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt	319.30
		Note: Includes Buna rubber gasket	
22 01 10 61-0029	EA	5" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt	327.39
		Note: Includes Buna rubber gasket	
22 01 10 61-0030	EA	6" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt	350.94
		Note: Includes Buna rubber gasket	

22 01 40 Operation and Maintenance of Plumbing Fixtures ^(22 01)

22 01 40 81 Plumbing Fixtures Replacement ^(22 01 40)

22 01 40 81-0001 Removal And Replacement Of Fixture And/or Trim ^(22 01 40 81)

Note: Includes removal of existing item(s) and installation of new item(s).

22 01 40 81-0002	EA	Removal And Replacement Of 3/8" To 1/2" Compression Shut-off Valve With 15" Polybutylene Supply Tube	62.97
22 01 40 81-0003	EA	Removal And Replacement Of 3/8" Compression x 1/2" FIP, Braided Stainless Steel, Supply Lines To Sink/Lavatory	23.76
22 01 40 81-0004	EA	Removal And Replacement Of Chrome Supply Lines To Sink/Lavatory, Pair	30.20
22 01 40 81-0005	EA	Removal And Replacement Of Single Bowl Sink/Lavatory Drain Line	42.63
22 01 40 81-0006	EA	Removal And Replacement Of Double Bowl Sink/Lavatory Drain Line	65.89
22 01 40 81-0007	EA	Removal And Replacement Of Shower Head, Polished Chrome	40.10
22 01 40 81-0008	EA	Removal And Replacement Of Shower Arm	44.90
22 01 40 81-0009	EA	Removal And Replacement Of Shower Head	53.45

22 Plumbing**22 01 Operation and Maintenance of Plumbing****22 01 40 Operation and Maintenance of Plumbing Fixtures**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 01 40 81-0010	EA	Removal And Replacement Of Shower Knob	41.65	
22 01 40 81-0011	EA	Removal And Replacement Of Shower and Tub Control Trim.....	123.10	
		Note: Excludes balancing valve.		
22 01 40 81-0012	EA	Removal And Replacement Of Sink Basket Strainer	33.99	
22 01 40 81-0013	EA	Removal And Replacement Of 1-1/2" Sink Drain Without Stopper.....	18.13	
22 01 40 81-0014	EA	Removal And Replacement Of 4-1/2" Sink Drain Without Stopper.....	19.06	
22 01 40 81-0015	EA	Removal And Replacement Of 1-1/2" Sink Drain With Stopper	18.13	
22 01 40 81-0016	EA	Removal And Replacement Of 1" Sink Rubber Stopper	9.82	
22 01 40 81-0017	EA	Removal And Replacement Of Sink Tailpiece Extension, 1-1/2" x 8"	28.73	
22 01 40 81-0018	EA	Removal And Replacement Of Sink Trap, Adjustable, 1-1/2"	48.12	
22 01 40 81-0019	EA	Removal And Replacement Of Lavatory Pop-Up Rod	34.51	
22 01 40 81-0020	EA	Removal And Replacement Of Lavatory Pop-up Drain Stopper	34.75	
22 01 40 81-0021	EA	Removal And Replacement Of Faucet Handle	39.35	
22 01 40 81-0022	EA	Removal And Replacement Of Faucet O-Ring	29.20	
22 01 40 81-0023	EA	Removal And Replacement Of 1-1/2" Faucet Hole Cover	21.79	
22 01 40 81-0024	EA	Removal And Replacement Of Toilet Ballcock	39.49	
22 01 40 81-0025	EA	Removal And Replacement Of Toilet Bowl Ring, Flat Wax.....	7.59	
		Note: Excludes removal of toilet.		
22 01 40 81-0026	EA	Removal And Replacement Of Toilet Tank	152.36	
22 01 40 81-0027	EA	Removal And Replacement Of 10" Toilet Bowl.....	197.03	
22 01 40 81-0028	EA	Removal And Replacement Of 10", Low-Flush Watersaver, Toilet Bowl	209.87	
22 01 40 81-0029	EA	Removal And Replacement Of 12" Toilet Bowl	222.26	
22 01 40 81-0030	EA	Removal And Replacement Of 18", Elongated, Toilet Bowl.....	201.35	
22 01 40 81-0031	EA	Removal And Replacement Of Toilet Closet Bolt, 5/16" x 3" With Nuts And Washers	25.38	
22 01 40 81-0032	EA	Removal And Replacement Of Toilet Flapper With Chain	17.82	
22 01 40 81-0033	EA	Removal And Replacement Of Toilet Flush Tank Lever	19.55	
22 01 40 81-0034	EA	Removal And Replacement Of Toilet Tank Arm Lever	13.19	
22 01 40 81-0035	EA	Removal And Replacement Of Elongated Toilet Seat With Lid	95.83	
22 01 40 81-0036	EA	Removal And Replacement Of Elongated Toilet Seat Without Lid	113.35	
22 01 40 81-0037	EA	Removal And Replacement Of Handicap Toilet Seat, Complete With Rails.....	140.98	
22 01 40 81-0038	EA	Removal And Replacement Of Diverter Tub Spout	66.21	
22 01 40 81-0039	EA	Removal And Replacement Of Tub Spout.....	46.37	
22 01 40 81-0040	EA	Removal And Replacement Of 2" Tub Stopper.....	11.26	
22 01 40 81-0041	EA	Removal And Replacement Of Tub Waste/Overflow	75.75	
22 01 40 81-0042	EA	Removal And Replacement Of Tub Stem Bonnet Assembly	40.34	
22 01 40 81-0043	EA	Removal And Replacement Of Faucet Bonnet	43.85	
22 01 40 81-0044	EA	Removal And Replacement Of Faucet Diverter Stem	27.76	
22 01 40 81-0045	EA	Removal And Replacement Of Faucet Diverter Stem And Bonnet.....	36.52	
22 01 40 81-0046	EA	Removal And Replacement Of Faucet Spout	40.75	
22 01 40 81-0047	EA	Removal And Replacement Of Faucet Stem	30.30	
22 01 40 81-0048	EA	Removal And Replacement Of Plastic, Chrome Plated Drinking Fountain Bubbler Valve With Flexible Bubbler Guard.....	234.66	
22 01 40 81-0049	EA	Removal And Replacement Of Brass, Chrome Plated Drinking Fountain Bubbler Valve	295.45	
22 01 40 81-0050	EA	Removal And Replacement Of Stainless Steel (Lead Free) Drinking Fountain Pushbutton Bubbler Valve.....	178.76	

22 05 Common Work Results for Plumbing ⁽²²⁾**22 05 13 Common Motor Requirements for Plumbing Equipment** ^(22 05)

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. See CSI section 23 05 13 00-0000 for motor requirements.

22 05 16 Expansion Fittings and Loops for Plumbing Piping ^(22 05)

See CSI section 23 05 16 00-0000 for expansion fittings and loops.

22 05 17 Sleeves and Sleeve Seals for Plumbing Piping ^(22 05)

See CSI section 23 05 17 00-0000 for sleeves and sleeve seals.

22 05 19 Meters and Gages for Plumbing Piping ^(22 05)

See CSI section 23 05 19 00-0000 for gages, 33 19 00 00-0000 for water utility service metering.

22 05 23 General-Duty Valves for Plumbing Piping ^(22 05)

See CSI section 23 05 23 00-0000 for additional valves.

22 05 23 00-0001 Gate Valves ^(22 05 23)**22 05 23 00-0002 Class 125 Braze Or Soldered Bronze Gate Valves** ^(22 05 23 00-0001)

Note: 125 psi steam, basic rating. 200 psi cold working pressure. (Milwaukee Valve 105)

22 05 23 00-0003	EA	1/4" Diameter, 125 Lb. Braze Or Soldered Bronze Gate Valve.....	96.93	12.43
		For 150 Lb. Rating, Add	6.08	
		For 200 Lb. Rating, Add	9.11	
		For Work In Restricted Working Space, Add	10.85	
22 05 23 00-0004	EA	3/8" Diameter, 125 Lb. Braze Or Soldered Bronze Gate Valve.....	98.83	12.43
		For 150 Lb. Rating, Add	6.08	
		For 200 Lb. Rating, Add	9.11	
		For Work In Restricted Working Space, Add	11.42	
22 05 23 00-0005	EA	1/2" Diameter, 125 Lb. Braze Or Soldered Bronze Gate Valve.....	101.19	12.43
		For 150 Lb. Rating, Add	6.11	
		For 200 Lb. Rating, Add	9.17	
		For Work In Restricted Working Space, Add	12.03	
22 05 23 00-0006	EA	3/4" Diameter, 125 Lb. Braze Or Soldered Bronze Gate Valve.....	119.69	13.67
		For 150 Lb. Rating, Add	6.57	
		For 200 Lb. Rating, Add	9.85	
		For Work In Restricted Working Space, Add	16.21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 23 00-0007	EA		1" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	145.84	15.53
			For 150 Lb. Rating, Add	8.04	
			For 200 Lb. Rating, Add	12.07	
			For Work In Restricted Working Space, Add	19.62	
22 05 23 00-0008	EA		1-1/4" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	214.18	16.53
			For 150 Lb. Rating, Add	13.13	
			For 200 Lb. Rating, Add	19.70	
			For Work In Restricted Working Space, Add	24.85	
22 05 23 00-0009	EA		1-1/2" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	238.33	19.13
			For 150 Lb. Rating, Add	14.27	
			For 200 Lb. Rating, Add	21.41	
			For Work In Restricted Working Space, Add	28.68	
22 05 23 00-0010	EA		2" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	285.91	22.61
			For 150 Lb. Rating, Add	17.29	
			For 200 Lb. Rating, Add	25.94	
			For Work In Restricted Working Space, Add	33.89	
22 05 23 00-0011	EA		2-1/2" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	654.20	30.55
			For 150 Lb. Rating, Add	50.16	
			For 200 Lb. Rating, Add	75.25	
			For Work In Restricted Working Space, Add	45.77	
			For Chain Operated Type, Add	225.74	
22 05 23 00-0012	EA		3" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	767.97	35.47
			For 150 Lb. Rating, Add	59.19	
			For 200 Lb. Rating, Add	88.79	
			For Work In Restricted Working Space, Add	52.81	
22 05 23 00-0013			Class 125 Brazed Or Soldered Bronze Lead Free Gate Valves (22 05 23 00-0001)		
			Note: 125 psi steam, basic rating. 200 psi cold working pressure. (Milwaukee Valve UP105, Nibco T113-LF)		
22 05 23 00-0014	EA		1/4" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	117.17	12.43
			For 150 Lb. Rating, Add	8.10	
			For 200 Lb. Rating, Add	12.15	
			For Work In Restricted Working Space, Add	10.85	
22 05 23 00-0015	EA		3/8" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	118.89	12.43
			For 150 Lb. Rating, Add	8.08	
			For 200 Lb. Rating, Add	12.12	
			For Work In Restricted Working Space, Add	11.42	
22 05 23 00-0016	EA		1/2" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	138.59	12.43
			For 150 Lb. Rating, Add	9.85	
			For 200 Lb. Rating, Add	14.78	
			For Work In Restricted Working Space, Add	12.03	
22 05 23 00-0017	EA		3/4" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	157.09	13.67
			For 150 Lb. Rating, Add	10.31	
			For 200 Lb. Rating, Add	15.46	
			For Work In Restricted Working Space, Add	16.21	
22 05 23 00-0018	EA		1" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	188.52	15.53
			For 150 Lb. Rating, Add	12.31	
			For 200 Lb. Rating, Add	18.47	
			For Work In Restricted Working Space, Add	19.62	
22 05 23 00-0019	EA		1-1/4" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	272.55	16.53
			For 150 Lb. Rating, Add	18.97	
			For 200 Lb. Rating, Add	28.46	
			For Work In Restricted Working Space, Add	24.85	
22 05 23 00-0020	EA		1-1/2" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	311.76	19.13
			For 150 Lb. Rating, Add	21.62	
			For 200 Lb. Rating, Add	32.43	
			For Work In Restricted Working Space, Add	28.68	
22 05 23 00-0021	EA		2" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	399.36	22.61
			For 150 Lb. Rating, Add	28.64	
			For 200 Lb. Rating, Add	42.96	
			For Work In Restricted Working Space, Add	33.89	
22 05 23 00-0022			200 PSI, Non-Rising Stem, Crimped Bronze Gate Valves (22 05 23 00-0001)		
			Note: 200 psi cold working pressure.		
22 05 23 00-0023	EA		1/2" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve	133.87	12.43
			For Work In Restricted Working Space, Add	8.39	
22 05 23 00-0024	EA		3/4" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve	150.76	13.67
			For Work In Restricted Working Space, Add	9.55	
22 05 23 00-0025	EA		1" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve	198.20	15.53
			For Work In Restricted Working Space, Add	11.42	
22 05 23 00-0026	EA		1-1/4" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve	270.42	16.53
			For Work In Restricted Working Space, Add	12.58	
22 05 23 00-0027	EA		1-1/2" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve	313.52	19.13
			For Work In Restricted Working Space, Add	13.98	
22 05 23 00-0028	EA		2" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve	431.69	22.61
			For Work In Restricted Working Space, Add	16.78	
22 05 23 00-0029			Ball Valves (22 05 23)		
22 05 23 00-0030			Crimped Bronze, Ball Valves (22 05 23 00-0029)		
22 05 23 00-0031			Crimped Bronze, 250 PSI, Ball Valves (22 05 23 00-0030)		
			Note: Nibco®		
22 05 23 00-0032	EA		1/2" Crimped Bronze, 250 PSI, Ball Valve	91.93	12.43
			For Work In Restricted Working Space, Add	8.39	
22 05 23 00-0033	EA		3/4" Crimped Bronze, 250 PSI, Ball Valve	119.01	13.67
			For Work In Restricted Working Space, Add	9.55	

22 Plumbing**22 05 Common Work Results for Plumbing****22 05 23 General-Duty Valves for Plumbing Piping**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
22 05 23 00-0034	EA 1" Crimped Bronze, 250 PSI, Ball Valve <i>For Work In Restricted Working Space, Add</i>	152.79 11.42		15.53	
22 05 23 00-0035	EA 1-1/4" Crimped Bronze, 250 PSI, Ball Valve <i>For Work In Restricted Working Space, Add</i>	247.16 12.58		16.53	
22 05 23 00-0036	EA 1-1/2" Crimped Bronze, 250 PSI, Ball Valve <i>For Work In Restricted Working Space, Add</i>	326.81 13.98		19.13	
22 05 23 00-0037	EA 2" Crimped Bronze, 250 PSI, Ball Valve <i>For Work In Restricted Working Space, Add</i>	492.77 16.78		22.61	
22 05 23 00-0038 Crimped Bronze, 200 PSI, Full Port Ball Valves (22 05 23 00-0030)					
22 05 23 00-0039	EA 1/2" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve <i>For Work In Restricted Working Space, Add</i>	57.19 8.39		12.43	
22 05 23 00-0040	EA 3/4" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve <i>For Work In Restricted Working Space, Add</i>	72.92 9.55		13.67	
22 05 23 00-0041	EA 1" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve <i>For Work In Restricted Working Space, Add</i>	88.61 11.42		15.53	
22 05 23 00-0042	EA 1-1/4" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve <i>For Work In Restricted Working Space, Add</i>	124.11 12.58		16.53	
22 05 23 00-0043	EA 1-1/2" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve <i>For Work In Restricted Working Space, Add</i>	160.36 13.98		19.13	
22 05 23 00-0044	EA 2" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve <i>For Work In Restricted Working Space, Add</i>	237.62 16.78		22.61	
22 05 23 00-0045 Crimped Bronze, 250 PSI, Full Port Ball Valves (22 05 23 00-0030)					
22 05 23 00-0046	EA 1/2" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve <i>For Work In Restricted Working Space, Add</i>	65.88 8.39		12.43	
22 05 23 00-0047	EA 3/4" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve <i>For Work In Restricted Working Space, Add</i>	79.24 9.55		13.67	
22 05 23 00-0048	EA 1" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve <i>For Work In Restricted Working Space, Add</i>	98.72 11.42		15.53	
22 05 23 00-0049	EA 1-1/4" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve <i>For Work In Restricted Working Space, Add</i>	155.70 12.58		16.53	
22 05 23 00-0050	EA 1-1/2" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve <i>For Work In Restricted Working Space, Add</i>	228.30 13.98		19.13	
22 05 23 00-0051	EA 2" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve <i>For Work In Restricted Working Space, Add</i>	316.62 16.78		22.61	
22 05 23 00-0052 Crimped x Threaded Bronze, 250 PSI, Full Port Ball Valves (22 05 23 00-0030)					
22 05 23 00-0053	EA 1/2" Crimped x Threaded Bronze, 250 PSI, Full Port, Lever Ball Valve <i>For Work In Restricted Working Space, Add</i>	63.51 8.39		12.43	
22 05 23 00-0054	EA 3/4" Crimped x Threaded Bronze, 250 PSI, Full Port, Lever Ball Valve <i>For Work In Restricted Working Space, Add</i>	77.03 9.55		13.67	
22 05 23 00-0055	EA 1" Crimped x Threaded Bronze, 250 PSI, Full Port, Lever Ball Valve <i>For Work In Restricted Working Space, Add</i>	93.66 11.42		15.53	
22 05 23 00-0056 Check Valves (22 05 23)					
22 05 23 00-0057 Crimped Bronze, 200 PSI, Y-Pattern, Swing Check Valves (22 05 23 00-0056)					
Note: Nibco®					
22 05 23 00-0058	EA 1/2" Crimped Bronze, 200 PSI, Y-Pattern Check Valve <i>For Work In Restricted Working Space, Add</i>	175.78 8.39		12.43	
22 05 23 00-0059	EA 3/4" Crimped Bronze, 200 PSI, Y-Pattern Check Valve <i>For Work In Restricted Working Space, Add</i>	223.80 9.55		13.67	
22 05 23 00-0060	EA 1" Crimped Bronze, 200 PSI, Y-Pattern Check Valve <i>For Work In Restricted Working Space, Add</i>	309.43 11.42		15.53	
22 05 23 00-0061	EA 1-1/4" Crimped Bronze, 200 PSI, Y-Pattern Check Valve <i>For Work In Restricted Working Space, Add</i>	412.60 12.58		16.53	
22 05 23 00-0062	EA 1-1/2" Crimped Bronze, 200 PSI, Y-Pattern Check Valve <i>For Work In Restricted Working Space, Add</i>	492.28 13.98		19.13	
22 05 23 00-0063	EA 2" Crimped Bronze, 200 PSI, Y-Pattern Check Valve <i>For Work In Restricted Working Space, Add</i>	704.59 16.78		22.61	
22 05 23 00-0064 Crimped Bronze, 250 PSI, In-Line, Check Valves (22 05 23 00-0056)					
22 05 23 00-0065	EA 1/2" Crimped Bronze, 250 PSI, In-Line Check Valve <i>For Work In Restricted Working Space, Add</i>	50.52 8.39		12.43	
22 05 23 00-0066	EA 3/4" Crimped Bronze, 250 PSI, In-Line Check Valve <i>For Work In Restricted Working Space, Add</i>	60.71 9.55		13.67	
22 05 23 00-0067	EA 1" Crimped Bronze, 250 PSI, In-Line Check Valve <i>For Work In Restricted Working Space, Add</i>	71.32 11.42		15.53	
22 05 23 00-0068	EA 1-1/4" Crimped Bronze, 250 PSI, In-Line Check Valve <i>For Work In Restricted Working Space, Add</i>	90.05 12.58		16.53	
22 05 23 00-0069	EA 1-1/2" Crimped Bronze, 250 PSI, In-Line Check Valve <i>For Work In Restricted Working Space, Add</i>	114.90 13.98		19.13	
22 05 23 00-0070	EA 2" Crimped Bronze, 250 PSI, In-Line Check Valve <i>For Work In Restricted Working Space, Add</i>	180.22 16.78		22.61	
22 05 23 00-0071 Butterfly Valves (22 05 23)					
22 05 23 00-0072 Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve (22 05 23 00-0071)					
22 05 23 00-0073	EA 2-1/2" Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve <i>For Work In Restricted Working Space, Add</i>	1,314.32 19.57		33.18	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 05 23 00-0074	EA		3" Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve.....	1,422.83	38.53
			For Work In Restricted Working Space, Add	23.30	
22 05 23 00-0075	EA		4" Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve.....	1,778.62	43.49
			For Work In Restricted Working Space, Add	30.75	

22 05 29 Hangers and Supports for Plumbing Piping and Equipment (22 05)

See CSI section 23 05 29 00-0000 for hangers and supports.

22 05 33 Heat Tracing for Plumbing Piping (22 05)

See CSI section 23 83 13 00-0000 for heat tracing cables.

22 05 48 Vibration and Seismic Controls for Plumbing Piping and Equipment (22 05)

22 05 48 13 Vibration Controls for Plumbing Piping and Equipment (22 05 48)

See CSI section 23 05 48 13-0000 for vibration and seismic control.

22 05 53 Identification for Plumbing Piping and Equipment (22 05)

See CSI section 23 05 53 00-0000 for identification.

22 05 76 Facility Drainage Piping Cleanouts (22 05)

22 05 76 00-0001 Cast Iron Cleanout With Plug And Cover (22 05 76)

Note: For floor installation.

22 05 76 00-0002 Cast Iron Cleanout With Plug And Round Or Square Cover (22 05 76 00-0001)

22 05 76 00-0003	EA		2" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	711.35	66.11
			For Carpet Flange, Add	58.50	
			For Carpet Marker, Add	16.00	
			For Wide Flange, Add	97.00	
			For Satin Bronze Top, Deduct	-24.00	
			For Vandal Proof, Add	19.50	
			For Galvanized Ferrule, Add	45.00	
22 05 76 00-0004	EA		3" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	768.91	82.88
			For Carpet Flange, Add	58.50	
			For Carpet Marker, Add	16.00	
			For Wide Flange, Add	97.00	
			For Satin Bronze Top, Deduct	-24.00	
			For Vandal Proof, Add	19.50	
			For Galvanized Ferrule, Add	45.00	
22 05 76 00-0005	EA		4" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	960.03	100.16
			For Carpet Flange, Add	58.50	
			For Carpet Marker, Add	16.00	
			For Wide Flange, Add	97.00	
			For Satin Bronze Top, Deduct	-24.00	
			For Vandal Proof, Add	19.50	
			For Galvanized Ferrule, Add	45.00	
22 05 76 00-0006	EA		5" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	1,377.24	112.08
			For Carpet Flange, Add	58.50	
			For Carpet Marker, Add	16.00	
			For Wide Flange, Add	97.00	
			For Satin Bronze Top, Deduct	-24.00	
			For Vandal Proof, Add	19.50	
			For Galvanized Ferrule, Add	45.00	
22 05 76 00-0007	EA		6" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	1,694.94	121.40
			For Carpet Flange, Add	58.50	
			For Carpet Marker, Add	16.00	
			For Wide Flange, Add	97.00	
			For Satin Bronze Top, Deduct	-24.00	
			For Vandal Proof, Add	19.50	
			For Galvanized Ferrule, Add	45.00	

22 05 76 00-0008 Cast Iron Heavy-Duty Cleanout With Plug And Round Cover (22 05 76 00-0001)

22 05 76 00-0009	EA		2" Heavy-Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	819.62	66.11
			For Carpet Flange, Add	58.50	
			For Carpet Marker, Add	16.00	
			For Wide Flange, Add	97.00	
			For Satin Bronze Top, Deduct	-24.00	
			For Vandal Proof, Add	19.50	
			For Galvanized Ferrule, Add	45.00	
22 05 76 00-0010	EA		3" Heavy-Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	878.90	82.88
			For Carpet Flange, Add	58.50	
			For Carpet Marker, Add	16.00	
			For Wide Flange, Add	97.00	
			For Satin Bronze Top, Deduct	-24.00	
			For Vandal Proof, Add	19.50	
			For Galvanized Ferrule, Add	45.00	
22 05 76 00-0011	EA		4" Heavy-Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	1,070.02	100.16
			For Carpet Flange, Add	58.50	
			For Carpet Marker, Add	16.00	
			For Wide Flange, Add	97.00	
			For Satin Bronze Top, Deduct	-24.00	
			For Vandal Proof, Add	19.50	
			For Galvanized Ferrule, Add	45.00	

22 Plumbing**22 05 Common Work Results for Plumbing****22 05 76 Facility Drainage Piping Cleanouts**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
22 05 76 00-0012	EA 5" Heavy-Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	1,487.23		112.08
	For Carpet Flange, Add	58.50		
	For Carpet Marker, Add	16.00		
	For Wide Flange, Add	97.00		
	For Satin Bronze Top, Deduct	-24.00		
	For Vandal Proof, Add	19.50		
	For Galvanized Ferrule, Add	45.00		
22 05 76 00-0013	EA 6" Heavy-Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	1,804.93		121.40
	For Carpet Flange, Add	58.50		
	For Carpet Marker, Add	16.00		
	For Wide Flange, Add	97.00		
	For Satin Bronze Top, Deduct	-24.00		
	For Vandal Proof, Add	19.50		
	For Galvanized Ferrule, Add	45.00		
22 05 76 00-0014	Wall Cover For Cleanout (22 05 76)			
	Note: Cover and screw only.			
22 05 76 00-0015	Round Access Cover, Bronze Polished Top (22 05 76 00-0014)			
	Note: Cover and screw only.			
22 05 76 00-0016	EA 4-1/4" Diameter Wall Cover For Cleanout, Screwed	90.42		20.75
	For Stainless Steel, Add	9.00		
	For Vandal Proof Screws, Add	19.50		
22 05 76 00-0017	EA 5-1/2" Diameter Wall Cover For Cleanout, Screwed	98.71		24.85
	For Stainless Steel, Add	9.00		
	For Vandal Proof Screws, Add	19.50		
22 05 76 00-0018	EA 7" Diameter Wall Cover For Cleanout, Screwed	124.27		27.96
	For Stainless Steel, Add	9.00		
	For Vandal Proof Screws, Add	19.50		
22 05 76 00-0019	EA 9-1/4" Diameter Wall Cover For Cleanout, Screwed	202.69		31.07
	For Stainless Steel, Add	9.00		
	For Vandal Proof Screws, Add	19.50		
22 05 76 00-0020	EA 11-1/4" Diameter Wall Cover For Cleanout, Screwed	299.18		34.17
	For Stainless Steel, Add	9.00		
	For Vandal Proof Screws, Add	19.50		
22 05 76 00-0021	Square Wall Access Panel, Bronze Polished Top (22 05 76 00-0014)			
	Note: Cover and screw only.			
22 05 76 00-0022	EA 7" x 7" Bronze Wall Or Floor Access Cover	565.33		20.75
	For Vandal Proof Screws, Add	19.50		
	For Nickel Bronze, Add	22.50		
22 05 76 00-0023	EA 9" x 9" Bronze Wall Or Floor Access Cover	814.80		21.75
	For Vandal Proof Screws, Add	19.50		
	For Nickel Bronze, Add	22.50		
22 05 76 00-0024	EA 10" x 10" Bronze Wall Or Floor Access Cover	870.64		22.99
	For Vandal Proof Screws, Add	19.50		
	For Nickel Bronze, Add	22.50		
22 05 76 00-0025	EA 14" x 14" Bronze Wall Or Floor Access Cover	973.88		26.10
	For Vandal Proof Screws, Add	19.50		
	For Nickel Bronze, Add	22.50		
22 05 76 00-0026	Secured Square Wall Access Panel, Bronze Polished Top (22 05 76 00-0014)			
	Note: Cover and screw only.			
22 05 76 00-0027	EA 6" x 6" Bronze Secured Wall Access Panel	575.35		20.75
	For Vandal Proof Screws, Add	19.50		
	For Nickel Bronze, Add	22.50		
22 05 76 00-0028	EA 8" x 8" Bronze Secured Wall Access Panel	829.55		21.75
	For Vandal Proof Screws, Add	19.50		
	For Nickel Bronze, Add	22.50		
22 05 76 00-0029	EA 10" x 10" Bronze Secured Wall Access Panel	886.42		22.99
	For Vandal Proof Screws, Add	19.50		
	For Nickel Bronze, Add	22.50		
22 05 76 00-0030	EA 12" x 12" Bronze Secured Wall Access Panel	991.51		26.10
	For Vandal Proof Screws, Add	19.50		
	For Nickel Bronze, Add	22.50		
22 05 76 00-0031	Secure Square Hinged Access Panel, Bronze Polished Top, Scoriated (22 05 76 00-0014)			
	Note: Cover and screw only.			
22 05 76 00-0032	EA 6" x 6" Bronze Secured Hinged Access Panel, Scoriated	558.05		20.75
	For Vandal Proof Screws, Add	19.50		
	For Nickel Bronze, Add	22.50		
22 05 76 00-0033	EA 8" x 8" Bronze Secured Hinged Access Panel, Scoriated	772.70		21.75
	For Vandal Proof Screws, Add	19.50		
	For Nickel Bronze, Add	22.50		
22 05 76 00-0034	EA 10" x 10" Bronze Secured Hinged Access Panel, Scoriated	1,096.53		22.99
	For Vandal Proof Screws, Add	19.50		
	For Nickel Bronze, Add	22.50		
22 05 76 00-0035	EA 12" x 12" Bronze Secured Hinged Access Panel, Scoriated	1,327.69		26.10
	For Vandal Proof Screws, Add	19.50		
	For Nickel Bronze, Add	22.50		
22 05 76 00-0036	Cast Iron Cleanout Tee (22 05 76)			

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0037		Cast Iron Cleanout Tee And Round Access Cover (22 05 76 00-0036) Note: Satin smooth secured cover.		
22 05 76 00-0038	EA	2" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover.....	516.71	66.11
		For Galvanized Cast Iron Parts, Add	45.00	
		For Vandal Proof Screws, Add	18.00	
22 05 76 00-0039	EA	3" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover.....	590.21	82.76
		For Galvanized Cast Iron Parts, Add	45.00	
		For Vandal Proof Screws, Add	18.00	
22 05 76 00-0040	EA	4" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover.....	770.82	100.16
		For Galvanized Cast Iron Parts, Add	45.00	
		For Vandal Proof Screws, Add	18.00	
22 05 76 00-0041	EA	6" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover.....	1,844.57	121.40
		For Galvanized Cast Iron Parts, Add	45.00	
		For Vandal Proof Screws, Add	18.00	
22 05 76 00-0042		Cast Iron Cleanout Tee And Square Access Cover (22 05 76 00-0036) Note: Satin smooth secured cover.		
22 05 76 00-0043	EA	2" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover.....	901.23	66.11
		For Galvanized Cast Iron Parts, Add	45.00	
		For Vandal Proof Screws, Add	18.00	
22 05 76 00-0044	EA	3" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover.....	974.74	82.76
		For Galvanized Cast Iron Parts, Add	45.00	
		For Vandal Proof Screws, Add	18.00	
22 05 76 00-0045	EA	4" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover.....	1,129.83	100.16
		For Galvanized Cast Iron Parts, Add	45.00	
		For Vandal Proof Screws, Add	18.00	
22 05 76 00-0046	EA	6" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover.....	2,363.95	121.40
		For Galvanized Cast Iron Parts, Add	45.00	
		For Vandal Proof Screws, Add	18.00	
22 05 76 00-0047		Cast Iron Cleanout Tee With Brass Plug (22 05 76 00-0036)		
22 05 76 00-0048	EA	2" Cleanout Tee With Cast Bronze Screw Plug.....	423.49	54.05
22 05 76 00-0049	EA	3" Cleanout Tee With Cast Bronze Screw Plug.....	473.53	59.03
22 05 76 00-0050	EA	4" Cleanout Tee With Cast Bronze Screw Plug.....	631.13	77.67
22 05 76 00-0051	EA	5" Cleanout Tee With Cast Bronze Screw Plug.....	949.56	91.96
22 05 76 00-0052	EA	6" Cleanout Tee With Cast Bronze Screw Plug.....	1,621.15	108.73
22 05 76 00-0053		Removable Cleanout Plug (22 05 76)		
22 05 76 00-0054		Threaded Bronze Plugs (22 05 76 00-0053)		
22 05 76 00-0055	EA	1-1/4", 1-1/2" Or 2" Threaded Bronze Plug.....	82.65	15.53
		For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0056	EA	2-1/2" Threaded Bronze Plug.....	99.18	16.90
		For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0057	EA	3" Threaded Bronze Plug.....	170.70	18.64
		For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0058	EA	3-1/2" Threaded Bronze Plug.....	190.97	21.75
		For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0059	EA	4" Threaded Bronze Plug.....	215.91	24.85
		For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0060	EA	5" Threaded Bronze Plug.....	304.01	27.96
		For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0061	EA	6" Threaded Bronze Plug.....	448.26	31.07
		For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0062	EA	8" Threaded Bronze Plug.....	758.52	34.17
		For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0063	EA	10" Threaded Bronze Plug.....	1,092.26	37.28
		For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0064		Threaded Brass Plugs (22 05 76 00-0053)		
22 05 76 00-0065	EA	1-1/2" Threaded Brass Plug, Raised Head.....	34.53	15.53
		For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0066	EA	2" Threaded Brass Plug, Raised Head.....	35.14	15.53
		For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0067	EA	2-1/2" Threaded Brass Plug, Raised Head.....	38.31	16.90
		For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0068	EA	3" Threaded Brass Plug, Raised Head.....	43.35	18.64
		For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0069	EA	3-1/2" Threaded Brass Plug, Raised Head.....	51.19	21.75
		For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0070	EA	4" Threaded Brass Plug, Raised Head.....	60.14	24.85
		For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0071	EA	4-1/2" Threaded Brass Plug, Raised Head.....	64.59	26.17
		For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0072	EA	5" Threaded Brass Plug, Raised Head.....	69.42	27.96
		For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0073	EA	6" Threaded Brass Plug, Raised Head.....	90.26	31.06
		For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0074	EA	1-1/2" Threaded Brass Plug, Countersunk Head.....	34.06	15.53
		For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0075	EA	2" Threaded Brass Plug, Countersunk Head.....	34.73	15.53
		For Plug Tapped For Center Screw, Add	9.50	

22 Plumbing**22 05 Common Work Results for Plumbing****22 05 76 Facility Drainage Piping Cleanouts**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT
 UNIT COST
 DEMOLITION
 UNIT COST

22 05 76 00-0076	EA	2-1/2" Threaded Brass Plug, Countersunk Head	39.62	16.90
		<i>For Plug Tapped For Center Screw, Add</i>	9.50	
22 05 76 00-0077	EA	3" Threaded Brass Plug, Countersunk Head	43.54	18.64
		<i>For Plug Tapped For Center Screw, Add</i>	9.50	
22 05 76 00-0078	EA	3-1/2" Threaded Brass Plug, Countersunk Head	50.63	21.75
		<i>For Plug Tapped For Center Screw, Add</i>	9.50	
22 05 76 00-0079	EA	4" Threaded Brass Plug, Countersunk Head	59.25	24.85
		<i>For Plug Tapped For Center Screw, Add</i>	9.50	
22 05 76 00-0080	EA	5" Threaded Brass Plug, Countersunk Head	68.94	27.96
		<i>For Plug Tapped For Center Screw, Add</i>	9.50	
22 05 76 00-0081	EA	6" Threaded Brass Plug, Countersunk Head	82.41	31.07
		<i>For Plug Tapped For Center Screw, Add</i>	9.50	

22 07 Plumbing Insulation ⁽²²⁾**22 07 16 Plumbing Equipment Insulation** ^(22 07)

22 07 16 00-0001		Lavatory Insulation		
22 07 16 00-0002	EA	Neoprene Insulation Kit For Under Lavatories	382.58	28.39

22 07 19 Plumbing Piping Insulation ^(22 07)

22 07 19 00-0001		Fiberglass (Glass Fiber) Pipe Insulation		
		Note: Includes factory applied All Service Jacket (ASJ), Self Sealing Lap (SSL) longitudinal seam, butt strip seals, and adhesive. Excludes insulation for fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.		
22 07 19 00-0002		1/2" Thick Fiberglass Pipe Insulation		
22 07 19 00-0003	LF	1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	9.45	2.78
		<i>For Single Layer Of Felt Finish, Add</i>	0.20	
		<i>For Work In Restricted Working Space, Add</i>	2.25	
22 07 19 00-0004	LF	3/4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	9.66	2.78
		<i>For Single Layer Of Felt Finish, Add</i>	0.23	
		<i>For Work In Restricted Working Space, Add</i>	2.25	
22 07 19 00-0005	LF	1" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	10.27	2.90
		<i>For Single Layer Of Felt Finish, Add</i>	0.24	
		<i>For Work In Restricted Working Space, Add</i>	2.39	
22 07 19 00-0006	LF	1-1/4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	10.64	3.03
		<i>For Single Layer Of Felt Finish, Add</i>	0.27	
		<i>For Work In Restricted Working Space, Add</i>	2.43	
22 07 19 00-0007	LF	1-1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	10.95	3.03
		<i>For Single Layer Of Felt Finish, Add</i>	0.28	
		<i>For Work In Restricted Working Space, Add</i>	2.48	
22 07 19 00-0008	LF	2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	11.60	3.15
		<i>For Single Layer Of Felt Finish, Add</i>	0.30	
		<i>For Work In Restricted Working Space, Add</i>	2.61	
22 07 19 00-0009	LF	2-1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	12.18	3.28
		<i>For Single Layer Of Felt Finish, Add</i>	0.35	
		<i>For Work In Restricted Working Space, Add</i>	2.66	
22 07 19 00-0010	LF	3" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	12.86	3.41
		<i>For Single Layer Of Felt Finish, Add</i>	0.39	
		<i>For Work In Restricted Working Space, Add</i>	2.75	
22 07 19 00-0011	LF	4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	14.64	3.66
		<i>For Single Layer Of Felt Finish, Add</i>	0.50	
		<i>For Work In Restricted Working Space, Add</i>	2.97	
22 07 19 00-0012	LF	6" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	17.30	4.29
		<i>For Single Layer Of Felt Finish, Add</i>	0.60	
		<i>For Work In Restricted Working Space, Add</i>	3.47	
22 07 19 00-0013		1" Thick Fiberglass Pipe Insulation		
22 07 19 00-0014	LF	1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	12.68	3.78
		<i>For Single Layer Of Felt Finish, Add</i>	0.24	
		<i>For Work In Restricted Working Space, Add</i>	3.11	
22 07 19 00-0015	LF	3/4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	13.01	3.78
		<i>For Single Layer Of Felt Finish, Add</i>	0.28	
		<i>For Work In Restricted Working Space, Add</i>	3.11	
22 07 19 00-0016	LF	1" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	13.21	3.78
		<i>For Single Layer Of Felt Finish, Add</i>	0.28	
		<i>For Work In Restricted Working Space, Add</i>	3.16	
22 07 19 00-0017	LF	1-1/4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	13.71	3.91
		<i>For Single Layer Of Felt Finish, Add</i>	0.32	
		<i>For Work In Restricted Working Space, Add</i>	3.20	
22 07 19 00-0018	LF	1-1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	14.09	3.91
		<i>For Single Layer Of Felt Finish, Add</i>	0.34	
		<i>For Work In Restricted Working Space, Add</i>	3.25	
22 07 19 00-0019	LF	2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	14.69	4.04
		<i>For Single Layer Of Felt Finish, Add</i>	0.37	
		<i>For Work In Restricted Working Space, Add</i>	3.34	
22 07 19 00-0020	LF	2-1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	15.50	4.29
		<i>For Single Layer Of Felt Finish, Add</i>	0.41	
		<i>For Work In Restricted Working Space, Add</i>	3.47	
22 07 19 00-0021	LF	3" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	16.31	4.42
		<i>For Single Layer Of Felt Finish, Add</i>	0.47	
		<i>For Work In Restricted Working Space, Add</i>	3.56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0022	LF		4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	18.51	4.67
			For Single Layer Of Felt Finish, Add	0.60	
			For Work In Restricted Working Space, Add	3.83	
22 07 19 00-0023	LF		6" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	21.42	5.42
			For Single Layer Of Felt Finish, Add	0.74	
			For Work In Restricted Working Space, Add	4.32	
22 07 19 00-0024	LF		8" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	26.55	6.06
			For Single Layer Of Felt Finish, Add	1.05	
			For Work In Restricted Working Space, Add	4.96	
22 07 19 00-0025	LF		10" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	31.22	7.20
			For Single Layer Of Felt Finish, Add	1.23	
			For Work In Restricted Working Space, Add	5.86	
22 07 19 00-0026	LF		12" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	35.82	8.20
			For Single Layer Of Felt Finish, Add	1.40	
			For Work In Restricted Working Space, Add	6.76	
22 07 19 00-0027	LF		14" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	38.72	8.96
			For Single Layer Of Felt Finish, Add	1.62	
			For Work In Restricted Working Space, Add	7.00	
22 07 19 00-0028 1-1/2" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)					
22 07 19 00-0029	LF		1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	15.48	3.89
			For Single Layer Of Felt Finish, Add	0.49	
			For Work In Restricted Working Space, Add	3.24	
22 07 19 00-0030	LF		3/4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	15.69	3.89
			For Single Layer Of Felt Finish, Add	0.51	
			For Work In Restricted Working Space, Add	3.24	
22 07 19 00-0031	LF		1" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	16.58	4.13
			For Single Layer Of Felt Finish, Add	0.54	
			For Work In Restricted Working Space, Add	3.43	
22 07 19 00-0032	LF		1-1/4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	17.19	4.22
			For Single Layer Of Felt Finish, Add	0.58	
			For Work In Restricted Working Space, Add	3.50	
22 07 19 00-0033	LF		1-1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	17.70	4.29
			For Single Layer Of Felt Finish, Add	0.61	
			For Work In Restricted Working Space, Add	3.56	
22 07 19 00-0034	LF		2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	18.88	4.52
			For Single Layer Of Felt Finish, Add	0.67	
			For Work In Restricted Working Space, Add	3.76	
22 07 19 00-0035	LF		2-1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	19.73	4.59
			For Single Layer Of Felt Finish, Add	0.73	
			For Work In Restricted Working Space, Add	3.82	
22 07 19 00-0036	LF		3" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	20.37	4.76
			For Single Layer Of Felt Finish, Add	0.76	
			For Work In Restricted Working Space, Add	3.95	
22 07 19 00-0037	LF		4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	22.50	5.15
			For Single Layer Of Felt Finish, Add	0.87	
			For Work In Restricted Working Space, Add	4.28	
22 07 19 00-0038	LF		6" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	26.05	6.01
			For Single Layer Of Felt Finish, Add	0.99	
			For Work In Restricted Working Space, Add	4.99	
22 07 19 00-0039	LF		8" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	29.34	6.33
			For Single Layer Of Felt Finish, Add	1.24	
			For Work In Restricted Working Space, Add	5.27	
22 07 19 00-0040	LF		10" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	35.88	7.59
			For Single Layer Of Felt Finish, Add	1.56	
			For Work In Restricted Working Space, Add	6.30	
22 07 19 00-0041	LF		12" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	40.65	8.84
			For Single Layer Of Felt Finish, Add	1.70	
			For Work In Restricted Working Space, Add	7.34	
22 07 19 00-0042	LF		14" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	45.55	9.68
			For Single Layer Of Felt Finish, Add	1.97	
			For Work In Restricted Working Space, Add	8.04	
22 07 19 00-0043 2" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)					
22 07 19 00-0044	LF		1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	19.20	4.29
			For Single Layer Of Felt Finish, Add	0.77	
			For Work In Restricted Working Space, Add	3.56	
22 07 19 00-0045	LF		3/4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	19.45	4.29
			For Single Layer Of Felt Finish, Add	0.80	
			For Work In Restricted Working Space, Add	3.56	
22 07 19 00-0046	LF		1" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	20.13	4.42
			For Single Layer Of Felt Finish, Add	0.85	
			For Work In Restricted Working Space, Add	3.61	
22 07 19 00-0047	LF		1-1/4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	20.74	4.42
			For Single Layer Of Felt Finish, Add	0.90	
			For Work In Restricted Working Space, Add	3.65	
22 07 19 00-0048	LF		1-1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	21.38	4.54
			For Single Layer Of Felt Finish, Add	0.95	
			For Work In Restricted Working Space, Add	3.70	
22 07 19 00-0049	LF		2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	22.19	4.67
			For Single Layer Of Felt Finish, Add	0.99	
			For Work In Restricted Working Space, Add	3.83	
22 07 19 00-0050	LF		2-1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	23.33	4.79
			For Single Layer Of Felt Finish, Add	1.06	
			For Work In Restricted Working Space, Add	3.96	

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 07 19 00-0051	LF	3" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	24.58	5.05
		For Single Layer Of Felt Finish, Add	1.15	
		For Work In Restricted Working Space, Add	4.10	
22 07 19 00-0052	LF	4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	26.92	5.30
		For Single Layer Of Felt Finish, Add	1.31	
		For Work In Restricted Working Space, Add	4.33	
22 07 19 00-0053	LF	6" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	31.82	6.22
		For Single Layer Of Felt Finish, Add	1.52	
		For Work In Restricted Working Space, Add	5.19	
22 07 19 00-0054	LF	8" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	36.20	6.57
		For Single Layer Of Felt Finish, Add	1.88	
		For Work In Restricted Working Space, Add	5.48	
22 07 19 00-0055	LF	10" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	43.33	7.86
		For Single Layer Of Felt Finish, Add	2.25	
		For Work In Restricted Working Space, Add	6.56	
22 07 19 00-0056	LF	12" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	49.74	9.43
		For Single Layer Of Felt Finish, Add	2.48	
		For Work In Restricted Working Space, Add	7.85	
22 07 19 00-0057	LF	14" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	63.17	10.28
		For Single Layer Of Felt Finish, Add	2.80	
		For Work In Restricted Working Space, Add	10.95	
22 07 19 00-0058	LF	16" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	66.87	12.05
		For Single Layer Of Felt Finish, Add	3.19	
		For Work In Restricted Working Space, Add	10.95	
22 07 19 00-0059	LF	18" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	74.41	12.66
		For Single Layer Of Felt Finish, Add	3.79	
		For Work In Restricted Working Space, Add	11.50	
22 07 19 00-0060	LF	20" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	84.30	14.46
		For Single Layer Of Felt Finish, Add	4.25	
		For Work In Restricted Working Space, Add	13.15	
22 07 19 00-0061	LF	24" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	97.82	17.48
		For Single Layer Of Felt Finish, Add	4.71	
		For Work In Restricted Working Space, Add	15.88	

22 07 19 00-0062 2-1/2" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)

22 07 19 00-0063	LF	1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	23.90	5.05
		For Single Layer Of Felt Finish, Add	1.07	
		For Work In Restricted Working Space, Add	4.11	
22 07 19 00-0064	LF	3/4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	24.25	5.05
		For Single Layer Of Felt Finish, Add	1.11	
		For Work In Restricted Working Space, Add	4.11	
22 07 19 00-0065	LF	1" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	25.24	5.05
		For Single Layer Of Felt Finish, Add	1.19	
		For Work In Restricted Working Space, Add	4.17	
22 07 19 00-0066	LF	1-1/4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	25.97	5.17
		For Single Layer Of Felt Finish, Add	1.26	
		For Work In Restricted Working Space, Add	4.20	
22 07 19 00-0067	LF	1-1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	26.74	5.17
		For Single Layer Of Felt Finish, Add	1.33	
		For Work In Restricted Working Space, Add	4.24	
22 07 19 00-0068	LF	2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	27.84	5.42
		For Single Layer Of Felt Finish, Add	1.38	
		For Work In Restricted Working Space, Add	4.41	
22 07 19 00-0069	LF	2-1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	29.44	5.55
		For Single Layer Of Felt Finish, Add	1.49	
		For Work In Restricted Working Space, Add	4.56	
22 07 19 00-0070	LF	3" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	30.88	5.81
		For Single Layer Of Felt Finish, Add	1.59	
		For Work In Restricted Working Space, Add	4.72	
22 07 19 00-0071	LF	4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	34.21	6.06
		For Single Layer Of Felt Finish, Add	1.85	
		For Work In Restricted Working Space, Add	4.98	
22 07 19 00-0072	LF	6" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	39.24	6.43
		For Single Layer Of Felt Finish, Add	2.14	
		For Work In Restricted Working Space, Add	5.66	
22 07 19 00-0073	LF	8" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	52.74	7.70
		For Single Layer Of Felt Finish, Add	3.33	
		For Work In Restricted Working Space, Add	6.31	
22 07 19 00-0074	LF	10" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	63.05	8.84
		For Single Layer Of Felt Finish, Add	4.07	
		For Work In Restricted Working Space, Add	7.28	
22 07 19 00-0075	LF	12" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	71.46	10.98
		For Single Layer Of Felt Finish, Add	4.34	
		For Work In Restricted Working Space, Add	9.04	
22 07 19 00-0076	LF	14" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	80.90	12.12
		For Single Layer Of Felt Finish, Add	5.04	
		For Work In Restricted Working Space, Add	9.87	
22 07 19 00-0077	LF	16" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	94.94	15.40
		For Single Layer Of Felt Finish, Add	5.55	
		For Work In Restricted Working Space, Add	12.62	
22 07 19 00-0078	LF	18" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	102.19	16.15
		For Single Layer Of Felt Finish, Add	6.09	
		For Work In Restricted Working Space, Add	13.25	
22 07 19 00-0079	LF	20" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	115.95	18.43
		For Single Layer Of Felt Finish, Add	6.87	
		For Work In Restricted Working Space, Add	15.14	
22 07 19 00-0080	LF	24" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	136.24	22.26
		For Single Layer Of Felt Finish, Add	7.90	
		For Work In Restricted Working Space, Add	18.29	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0081		3" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)		
22 07 19 00-0082	LF	1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	26.35	5.58
		For Single Layer Of Felt Finish, Add	1.18	
		For Work In Restricted Working Space, Add	4.55	
22 07 19 00-0083	LF	3/4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	26.73	5.58
		For Single Layer Of Felt Finish, Add	1.22	
		For Work In Restricted Working Space, Add	4.55	
22 07 19 00-0084	LF	1" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	27.74	5.63
		For Single Layer Of Felt Finish, Add	1.31	
		For Work In Restricted Working Space, Add	4.59	
22 07 19 00-0085	LF	1-1/4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	28.53	5.67
		For Single Layer Of Felt Finish, Add	1.38	
		For Work In Restricted Working Space, Add	4.62	
22 07 19 00-0086	LF	1-1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	29.42	5.73
		For Single Layer Of Felt Finish, Add	1.45	
		For Work In Restricted Working Space, Add	4.67	
22 07 19 00-0087	LF	2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	30.58	5.95
		For Single Layer Of Felt Finish, Add	1.52	
		For Work In Restricted Working Space, Add	4.85	
22 07 19 00-0088	LF	2-1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	32.32	6.15
		For Single Layer Of Felt Finish, Add	1.64	
		For Work In Restricted Working Space, Add	5.01	
22 07 19 00-0089	LF	3" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	33.91	6.37
		For Single Layer Of Felt Finish, Add	1.74	
		For Work In Restricted Working Space, Add	5.19	
22 07 19 00-0090	LF	4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	37.60	6.72
		For Single Layer Of Felt Finish, Add	2.03	
		For Work In Restricted Working Space, Add	5.48	
22 07 19 00-0091	LF	6" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	43.11	7.64
		For Single Layer Of Felt Finish, Add	2.35	
		For Work In Restricted Working Space, Add	6.22	
22 07 19 00-0092	LF	8" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	57.91	8.50
		For Single Layer Of Felt Finish, Add	3.65	
		For Work In Restricted Working Space, Add	6.94	
22 07 19 00-0093	LF	10" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	69.27	9.81
		For Single Layer Of Felt Finish, Add	4.47	
		For Work In Restricted Working Space, Add	8.00	
22 07 19 00-0094	LF	12" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	78.51	12.20
		For Single Layer Of Felt Finish, Add	4.76	
		For Work In Restricted Working Space, Add	9.95	
22 07 19 00-0095	LF	14" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	88.87	13.32
		For Single Layer Of Felt Finish, Add	5.53	
		For Work In Restricted Working Space, Add	10.86	
22 07 19 00-0096	LF	16" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	104.29	17.02
		For Single Layer Of Felt Finish, Add	6.09	
		For Work In Restricted Working Space, Add	13.88	
22 07 19 00-0097	LF	18" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	112.26	17.88
		For Single Layer Of Felt Finish, Add	6.69	
		For Work In Restricted Working Space, Add	14.57	
22 07 19 00-0098	LF	20" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	127.39	20.44
		For Single Layer Of Felt Finish, Add	7.54	
		For Work In Restricted Working Space, Add	16.66	
22 07 19 00-0099	LF	24" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	149.68	24.67
		For Single Layer Of Felt Finish, Add	8.67	
		For Work In Restricted Working Space, Add	20.12	
22 07 19 00-0100		3-1/2" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)		
22 07 19 00-0101	LF	1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	28.38	6.06
		For Single Layer Of Felt Finish, Add	1.24	
		For Work In Restricted Working Space, Add	4.98	
22 07 19 00-0102	LF	3/4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	28.82	6.06
		For Single Layer Of Felt Finish, Add	1.28	
		For Work In Restricted Working Space, Add	4.98	
22 07 19 00-0103	LF	1" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	30.30	6.06
		For Single Layer Of Felt Finish, Add	1.43	
		For Work In Restricted Working Space, Add	5.01	
22 07 19 00-0104	LF	1-1/4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	31.15	6.18
		For Single Layer Of Felt Finish, Add	1.50	
		For Work In Restricted Working Space, Add	5.05	
22 07 19 00-0105	LF	1-1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	32.17	6.18
		For Single Layer Of Felt Finish, Add	1.59	
		For Work In Restricted Working Space, Add	5.11	
22 07 19 00-0106	LF	2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	33.36	6.43
		For Single Layer Of Felt Finish, Add	1.66	
		For Work In Restricted Working Space, Add	5.28	
22 07 19 00-0107	LF	2-1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	35.28	6.69
		For Single Layer Of Felt Finish, Add	1.79	
		For Work In Restricted Working Space, Add	5.47	
22 07 19 00-0108	LF	3" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	36.91	6.94
		For Single Layer Of Felt Finish, Add	1.89	
		For Work In Restricted Working Space, Add	5.66	
22 07 19 00-0109	LF	4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	41.09	7.32
		For Single Layer Of Felt Finish, Add	2.22	
		For Work In Restricted Working Space, Add	5.98	

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 07 19 00-0110	LF	6" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	47.07	8.33
		For Single Layer Of Felt Finish, Add	2.57	
		For Work In Restricted Working Space, Add	6.79	
22 07 19 00-0111	LF	8" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	63.24	9.21
		For Single Layer Of Felt Finish, Add	3.99	
		For Work In Restricted Working Space, Add	7.56	
22 07 19 00-0112	LF	10" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	75.66	10.60
		For Single Layer Of Felt Finish, Add	4.89	
		For Work In Restricted Working Space, Add	8.73	
22 07 19 00-0113	LF	12" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	85.74	13.24
		For Single Layer Of Felt Finish, Add	5.20	
		For Work In Restricted Working Space, Add	10.85	
22 07 19 00-0114	LF	14" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	97.10	14.51
		For Single Layer Of Felt Finish, Add	6.05	
		For Work In Restricted Working Space, Add	11.85	
22 07 19 00-0115	LF	16" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	113.95	18.43
		For Single Layer Of Felt Finish, Add	6.67	
		For Work In Restricted Working Space, Add	15.14	
22 07 19 00-0116	LF	18" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	122.62	19.43
		For Single Layer Of Felt Finish, Add	7.31	
		For Work In Restricted Working Space, Add	15.90	
22 07 19 00-0117	LF	20" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	139.19	22.21
		For Single Layer Of Felt Finish, Add	8.25	
		For Work In Restricted Working Space, Add	18.18	
22 07 19 00-0118	LF	24" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	163.51	26.75
		For Single Layer Of Felt Finish, Add	9.48	
		For Work In Restricted Working Space, Add	21.95	

22 07 19 00-0119 4" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)

22 07 19 00-0120	LF	1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	32.20	6.81
		For Single Layer Of Felt Finish, Add	1.45	
		For Work In Restricted Working Space, Add	5.53	
22 07 19 00-0121	LF	3/4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	32.69	6.81
		For Single Layer Of Felt Finish, Add	1.50	
		For Work In Restricted Working Space, Add	5.53	
22 07 19 00-0122	LF	1" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	34.03	6.81
		For Single Layer Of Felt Finish, Add	1.60	
		For Work In Restricted Working Space, Add	5.63	
22 07 19 00-0123	LF	1-1/4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	35.12	6.94
		For Single Layer Of Felt Finish, Add	1.70	
		For Work In Restricted Working Space, Add	5.69	
22 07 19 00-0124	LF	1-1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	36.58	7.20
		For Single Layer Of Felt Finish, Add	1.79	
		For Work In Restricted Working Space, Add	5.87	
22 07 19 00-0125	LF	2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	37.93	7.45
		For Single Layer Of Felt Finish, Add	1.86	
		For Work In Restricted Working Space, Add	6.05	
22 07 19 00-0126	LF	2-1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	39.68	7.45
		For Single Layer Of Felt Finish, Add	2.01	
		For Work In Restricted Working Space, Add	6.15	
22 07 19 00-0127	LF	3" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	41.68	7.82
		For Single Layer Of Felt Finish, Add	2.15	
		For Work In Restricted Working Space, Add	6.37	
22 07 19 00-0128	LF	4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	46.19	8.20
		For Single Layer Of Felt Finish, Add	2.50	
		For Work In Restricted Working Space, Add	6.73	
22 07 19 00-0129	LF	6" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	52.95	9.34
		For Single Layer Of Felt Finish, Add	2.89	
		For Work In Restricted Working Space, Add	7.63	
22 07 19 00-0130	LF	8" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	71.16	10.09
		For Single Layer Of Felt Finish, Add	4.49	
		For Work In Restricted Working Space, Add	8.51	
22 07 19 00-0131	LF	10" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	85.13	11.99
		For Single Layer Of Felt Finish, Add	5.50	
		For Work In Restricted Working Space, Add	9.83	
22 07 19 00-0132	LF	12" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	96.48	14.88
		For Single Layer Of Felt Finish, Add	5.86	
		For Work In Restricted Working Space, Add	12.21	
22 07 19 00-0133	LF	14" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	109.26	16.27
		For Single Layer Of Felt Finish, Add	6.81	
		For Work In Restricted Working Space, Add	13.34	
22 07 19 00-0134	LF	16" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	128.25	20.82
		For Single Layer Of Felt Finish, Add	7.50	
		For Work In Restricted Working Space, Add	17.05	
22 07 19 00-0135	LF	18" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	137.89	21.83
		For Single Layer Of Felt Finish, Add	8.23	
		For Work In Restricted Working Space, Add	17.87	
22 07 19 00-0136	LF	20" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	154.53	24.99
		For Single Layer Of Felt Finish, Add	9.07	
		For Work In Restricted Working Space, Add	20.45	
22 07 19 00-0137	LF	24" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	183.97	30.16
		For Single Layer Of Felt Finish, Add	10.67	
		For Work In Restricted Working Space, Add	24.71	

22 07 19 00-0138 Foamglas (Cellular Glass) Pipe Insulation, Rigid, Closed Cell (22 07 19)

Note: Includes adhesive. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
			flanged/grooved joint.		
22 07 19 00-0139			1" Thick Foamglas Pipe Insulation (22 07 19 00-0138)		
22 07 19 00-0140	LF		1/2" Diameter Pipe, 1" Thick Foamglas Insulation	22.01	6.16
			<i>For Work In Restricted Working Space, Add</i>	5.60	
22 07 19 00-0141	LF		3/4" Diameter Pipe, 1" Thick Foamglas Insulation	22.86	6.16
			<i>For Work In Restricted Working Space, Add</i>	5.60	
22 07 19 00-0142	LF		1" Diameter Pipe, 1" Thick Foamglas Insulation	23.99	6.25
			<i>For Work In Restricted Working Space, Add</i>	5.67	
22 07 19 00-0143	LF		1-1/4" Diameter Pipe, 1" Thick Foamglas Insulation	24.55	6.33
			<i>For Work In Restricted Working Space, Add</i>	5.76	
22 07 19 00-0144	LF		1-1/2" Diameter Pipe, 1" Thick Foamglas Insulation	25.40	6.42
			<i>For Work In Restricted Working Space, Add</i>	5.84	
22 07 19 00-0145	LF		2" Diameter Pipe, 1" Thick Foamglas Insulation	27.04	6.60
			<i>For Work In Restricted Working Space, Add</i>	6.01	
22 07 19 00-0146	LF		2-1/2" Diameter Pipe, 1" Thick Foamglas Insulation	29.07	6.87
			<i>For Work In Restricted Working Space, Add</i>	6.25	
22 07 19 00-0147	LF		3" Diameter Pipe, 1" Thick Foamglas Insulation	31.28	7.05
			<i>For Work In Restricted Working Space, Add</i>	6.41	
22 07 19 00-0148	LF		4" Diameter Pipe, 1" Thick Foamglas Insulation	36.04	7.59
			<i>For Work In Restricted Working Space, Add</i>	6.89	
22 07 19 00-0149	LF		6" Diameter Pipe, 1" Thick Foamglas Insulation	45.68	8.55
			<i>For Work In Restricted Working Space, Add</i>	7.78	
22 07 19 00-0150			1-1/2" Thick Foamglas Pipe Insulation (22 07 19 00-0138)		
22 07 19 00-0151	LF		1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	25.95	6.82
			<i>For Work In Restricted Working Space, Add</i>	6.01	
22 07 19 00-0152	LF		3/4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	26.49	6.82
			<i>For Work In Restricted Working Space, Add</i>	6.01	
22 07 19 00-0153	LF		1" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	27.30	6.91
			<i>For Work In Restricted Working Space, Add</i>	6.08	
22 07 19 00-0154	LF		1-1/4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	27.94	7.00
			<i>For Work In Restricted Working Space, Add</i>	6.16	
22 07 19 00-0155	LF		1-1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	28.56	7.10
			<i>For Work In Restricted Working Space, Add</i>	6.25	
22 07 19 00-0156	LF		2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	30.91	7.33
			<i>For Work In Restricted Working Space, Add</i>	6.45	
22 07 19 00-0157	LF		2-1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	34.88	7.61
			<i>For Work In Restricted Working Space, Add</i>	6.70	
22 07 19 00-0158	LF		3" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	38.41	7.84
			<i>For Work In Restricted Working Space, Add</i>	6.89	
22 07 19 00-0159	LF		4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	43.41	8.34
			<i>For Work In Restricted Working Space, Add</i>	7.34	
22 07 19 00-0160	LF		6" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	51.06	9.45
			<i>For Work In Restricted Working Space, Add</i>	8.31	
22 07 19 00-0161	LF		8" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	57.11	10.54
			<i>For Work In Restricted Working Space, Add</i>	9.27	
22 07 19 00-0162	LF		10" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	69.18	12.15
			<i>For Work In Restricted Working Space, Add</i>	10.69	
22 07 19 00-0163	LF		12" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	82.19	15.10
			<i>For Work In Restricted Working Space, Add</i>	13.28	
22 07 19 00-0164	LF		14" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	91.27	15.89
			<i>For Work In Restricted Working Space, Add</i>	14.44	
22 07 19 00-0165	LF		16" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	100.51	17.74
			<i>For Work In Restricted Working Space, Add</i>	16.13	
22 07 19 00-0166	LF		18" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	114.06	20.98
			<i>For Work In Restricted Working Space, Add</i>	19.08	
22 07 19 00-0167	LF		20" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	127.39	23.23
			<i>For Work In Restricted Working Space, Add</i>	21.12	
22 07 19 00-0168	LF		24" Diameter Pipe, 1-1/2" Thick Fiberglass Insulation	158.53	25.74
			<i>For Work In Restricted Working Space, Add</i>	23.40	
22 07 19 00-0169			2" Thick Foamglas Pipe Insulation (22 07 19 00-0138)		
22 07 19 00-0170	LF		1/2" Diameter Pipe, 2" Thick Foamglas Insulation	29.11	7.05
			<i>For Work In Restricted Working Space, Add</i>	6.41	
22 07 19 00-0171	LF		3/4" Diameter Pipe, 2" Thick Foamglas Insulation	29.95	7.05
			<i>For Work In Restricted Working Space, Add</i>	6.41	
22 07 19 00-0172	LF		1" Diameter Pipe, 2" Thick Foamglas Insulation	31.04	7.12
			<i>For Work In Restricted Working Space, Add</i>	6.49	
22 07 19 00-0173	LF		1-1/4" Diameter Pipe, 2" Thick Foamglas Insulation	32.62	7.23
			<i>For Work In Restricted Working Space, Add</i>	6.57	
22 07 19 00-0174	LF		1-1/2" Diameter Pipe, 2" Thick Foamglas Insulation	34.23	7.32
			<i>For Work In Restricted Working Space, Add</i>	6.65	
22 07 19 00-0175	LF		2" Diameter Pipe, 2" Thick Foamglas Insulation	38.16	7.59
			<i>For Work In Restricted Working Space, Add</i>	6.89	
22 07 19 00-0176	LF		2-1/2" Diameter Pipe, 2" Thick Foamglas Insulation	40.02	7.86
			<i>For Work In Restricted Working Space, Add</i>	7.14	
22 07 19 00-0177	LF		3" Diameter Pipe, 2" Thick Foamglas Insulation	42.89	8.11
			<i>For Work In Restricted Working Space, Add</i>	7.38	
22 07 19 00-0178	LF		4" Diameter Pipe, 2" Thick Foamglas Insulation	48.20	8.56
			<i>For Work In Restricted Working Space, Add</i>	7.79	
22 07 19 00-0179	LF		6" Diameter Pipe, 2" Thick Foamglas Insulation	57.58	9.73
			<i>For Work In Restricted Working Space, Add</i>	8.84	
22 07 19 00-0180	LF		8" Diameter Pipe, 2" Thick Foamglas Insulation	64.10	10.85
			<i>For Work In Restricted Working Space, Add</i>	9.86	

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 07 19 00-0181	LF	10" Diameter Pipe, 2" Thick Foamglas Insulation	77.91	12.51
		<i>For Work In Restricted Working Space, Add</i>	11.37	
22 07 19 00-0182	LF	12" Diameter Pipe, 2" Thick Foamglas Insulation	96.51	15.55
		<i>For Work In Restricted Working Space, Add</i>	14.13	
22 07 19 00-0183	LF	14" Diameter Pipe, 2" Thick Foamglas Insulation	103.16	16.97
		<i>For Work In Restricted Working Space, Add</i>	15.42	
22 07 19 00-0184	LF	16" Diameter Pipe, 2" Thick Foamglas Insulation	122.19	21.69
		<i>For Work In Restricted Working Space, Add</i>	19.72	
22 07 19 00-0185	LF	18" Diameter Pipe, 2" Thick Foamglas Insulation	133.10	22.77
		<i>For Work In Restricted Working Space, Add</i>	20.70	
22 07 19 00-0186	LF	20" Diameter Pipe, 2" Thick Foamglas Insulation	147.37	26.03
		<i>For Work In Restricted Working Space, Add</i>	23.66	
22 07 19 00-0187	LF	24" Diameter Pipe, 2" Thick Foamglas Insulation	184.67	31.44
		<i>For Work In Restricted Working Space, Add</i>	28.59	

22 07 19 00-0188 2-1/2" Thick Foamglas Pipe Insulation (22 07 19 00-0138)

22 07 19 00-0189	LF	1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	35.23	7.65
		<i>For Work In Restricted Working Space, Add</i>	6.95	
22 07 19 00-0190	LF	3/4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	36.63	7.64
		<i>For Work In Restricted Working Space, Add</i>	6.94	
22 07 19 00-0191	LF	1" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	38.45	7.76
		<i>For Work In Restricted Working Space, Add</i>	7.06	
22 07 19 00-0192	LF	1-1/4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	40.06	7.82
		<i>For Work In Restricted Working Space, Add</i>	7.11	
22 07 19 00-0193	LF	1-1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	41.67	7.89
		<i>For Work In Restricted Working Space, Add</i>	7.16	
22 07 19 00-0194	LF	2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	44.64	8.20
		<i>For Work In Restricted Working Space, Add</i>	7.46	
22 07 19 00-0195	LF	2-1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	47.47	8.49
		<i>For Work In Restricted Working Space, Add</i>	7.72	
22 07 19 00-0196	LF	3" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	51.50	8.79
		<i>For Work In Restricted Working Space, Add</i>	7.99	
22 07 19 00-0197	LF	4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	57.65	9.26
		<i>For Work In Restricted Working Space, Add</i>	8.42	
22 07 19 00-0198	LF	6" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	68.85	10.54
		<i>For Work In Restricted Working Space, Add</i>	9.58	
22 07 19 00-0199	LF	8" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	76.72	11.74
		<i>For Work In Restricted Working Space, Add</i>	10.68	
22 07 19 00-0200	LF	10" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	87.55	13.53
		<i>For Work In Restricted Working Space, Add</i>	12.31	
22 07 19 00-0201	LF	12" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	109.02	16.84
		<i>For Work In Restricted Working Space, Add</i>	15.30	
22 07 19 00-0202	LF	14" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	113.78	18.38
		<i>For Work In Restricted Working Space, Add</i>	16.70	
22 07 19 00-0203	LF	16" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	134.36	23.48
		<i>For Work In Restricted Working Space, Add</i>	21.35	
22 07 19 00-0204	LF	18" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	146.01	24.65
		<i>For Work In Restricted Working Space, Add</i>	22.42	
22 07 19 00-0205	LF	20" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	167.86	28.18
		<i>For Work In Restricted Working Space, Add</i>	25.62	
22 07 19 00-0206	LF	24" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	210.07	34.05
		<i>For Work In Restricted Working Space, Add</i>	30.95	

22 07 19 00-0207 3" Thick Foamglas Pipe Insulation (22 07 19 00-0138)

22 07 19 00-0208	LF	1/2" Diameter Pipe, 3" Thick Foamglas Insulation	42.43	8.12
		<i>For Work In Restricted Working Space, Add</i>	7.39	
22 07 19 00-0209	LF	3/4" Diameter Pipe, 3" Thick Foamglas Insulation	43.29	8.12
		<i>For Work In Restricted Working Space, Add</i>	7.39	
22 07 19 00-0210	LF	1" Diameter Pipe, 3" Thick Foamglas Insulation	44.55	8.26
		<i>For Work In Restricted Working Space, Add</i>	7.51	
22 07 19 00-0211	LF	1-1/4" Diameter Pipe, 3" Thick Foamglas Insulation	45.58	8.31
		<i>For Work In Restricted Working Space, Add</i>	7.56	
22 07 19 00-0212	LF	1-1/2" Diameter Pipe, 3" Thick Foamglas Insulation	46.65	8.39
		<i>For Work In Restricted Working Space, Add</i>	7.62	
22 07 19 00-0213	LF	2" Diameter Pipe, 3" Thick Foamglas Insulation	50.11	8.73
		<i>For Work In Restricted Working Space, Add</i>	7.94	
22 07 19 00-0214	LF	2-1/2" Diameter Pipe, 3" Thick Foamglas Insulation	53.41	9.04
		<i>For Work In Restricted Working Space, Add</i>	8.21	
22 07 19 00-0215	LF	3" Diameter Pipe, 3" Thick Foamglas Insulation	60.60	9.35
		<i>For Work In Restricted Working Space, Add</i>	8.50	
22 07 19 00-0216	LF	4" Diameter Pipe, 3" Thick Foamglas Insulation	69.08	9.85
		<i>For Work In Restricted Working Space, Add</i>	8.96	
22 07 19 00-0217	LF	6" Diameter Pipe, 3" Thick Foamglas Insulation	75.68	11.20
		<i>For Work In Restricted Working Space, Add</i>	10.19	
22 07 19 00-0218	LF	8" Diameter Pipe, 3" Thick Foamglas Insulation	85.46	12.49
		<i>For Work In Restricted Working Space, Add</i>	11.36	
22 07 19 00-0219	LF	10" Diameter Pipe, 3" Thick Foamglas Insulation	101.90	14.41
		<i>For Work In Restricted Working Space, Add</i>	13.10	
22 07 19 00-0220	LF	12" Diameter Pipe, 3" Thick Foamglas Insulation	118.47	17.90
		<i>For Work In Restricted Working Space, Add</i>	16.28	
22 07 19 00-0221	LF	14" Diameter Pipe, 3" Thick Foamglas Insulation	126.88	19.54
		<i>For Work In Restricted Working Space, Add</i>	17.77	
22 07 19 00-0222	LF	16" Diameter Pipe, 3" Thick Foamglas Insulation	151.64	24.99
		<i>For Work In Restricted Working Space, Add</i>	22.71	
22 07 19 00-0223	LF	18" Diameter Pipe, 3" Thick Foamglas Insulation	162.28	26.23
		<i>For Work In Restricted Working Space, Add</i>	23.85	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0224	LF		20" Diameter Pipe, 3" Thick Foamglas Insulation	190.11	29.98
			<i>For Work In Restricted Working Space, Add</i>	27.25	
22 07 19 00-0225	LF		24" Diameter Pipe, 3" Thick Foamglas Insulation	232.38	36.23
			<i>For Work In Restricted Working Space, Add</i>	32.93	
22 07 19 00-0226 3-1/2" Thick Foamglas Pipe Insulation (22 07 19 00-0138)					
22 07 19 00-0227	LF		1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	51.11	9.85
			<i>For Work In Restricted Working Space, Add</i>	8.96	
22 07 19 00-0228	LF		3/4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	52.19	9.85
			<i>For Work In Restricted Working Space, Add</i>	8.96	
22 07 19 00-0229	LF		1" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	53.46	9.91
			<i>For Work In Restricted Working Space, Add</i>	9.02	
22 07 19 00-0230	LF		1-1/4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	54.72	9.98
			<i>For Work In Restricted Working Space, Add</i>	9.08	
22 07 19 00-0231	LF		1-1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	56.18	10.10
			<i>For Work In Restricted Working Space, Add</i>	9.19	
22 07 19 00-0232	LF		2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	61.76	10.46
			<i>For Work In Restricted Working Space, Add</i>	9.50	
22 07 19 00-0233	LF		2-1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	67.41	10.83
			<i>For Work In Restricted Working Space, Add</i>	9.84	
22 07 19 00-0234	LF		3" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	71.18	11.20
			<i>For Work In Restricted Working Space, Add</i>	10.19	
22 07 19 00-0235	LF		4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	76.22	11.84
			<i>For Work In Restricted Working Space, Add</i>	10.77	
22 07 19 00-0236	LF		6" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	87.73	13.45
			<i>For Work In Restricted Working Space, Add</i>	12.23	
22 07 19 00-0237	LF		8" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	99.73	14.97
			<i>For Work In Restricted Working Space, Add</i>	13.61	
22 07 19 00-0238	LF		10" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	119.25	17.29
			<i>For Work In Restricted Working Space, Add</i>	15.71	
22 07 19 00-0239	LF		12" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	140.98	21.48
			<i>For Work In Restricted Working Space, Add</i>	19.53	
22 07 19 00-0240	LF		14" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	147.13	23.46
			<i>For Work In Restricted Working Space, Add</i>	21.32	
22 07 19 00-0241	LF		16" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	176.47	29.98
			<i>For Work In Restricted Working Space, Add</i>	27.25	
22 07 19 00-0242	LF		18" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	193.88	31.48
			<i>For Work In Restricted Working Space, Add</i>	28.62	
22 07 19 00-0243	LF		20" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	220.75	36.00
			<i>For Work In Restricted Working Space, Add</i>	32.73	
22 07 19 00-0244	LF		24" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	271.03	43.46
			<i>For Work In Restricted Working Space, Add</i>	39.52	
22 07 19 00-0245 4" Thick Foamglas Pipe Insulation (22 07 19 00-0138)					
22 07 19 00-0246	LF		1/2" Diameter Pipe, 4" Thick Foamglas Insulation	62.24	12.12
			<i>For Work In Restricted Working Space, Add</i>	11.01	
22 07 19 00-0247	LF		3/4" Diameter Pipe, 4" Thick Foamglas Insulation	63.62	12.12
			<i>For Work In Restricted Working Space, Add</i>	11.01	
22 07 19 00-0248	LF		1" Diameter Pipe, 4" Thick Foamglas Insulation	65.64	12.32
			<i>For Work In Restricted Working Space, Add</i>	11.20	
22 07 19 00-0249	LF		1-1/4" Diameter Pipe, 4" Thick Foamglas Insulation	67.46	12.47
			<i>For Work In Restricted Working Space, Add</i>	11.33	
22 07 19 00-0250	LF		1-1/2" Diameter Pipe, 4" Thick Foamglas Insulation	70.03	12.86
			<i>For Work In Restricted Working Space, Add</i>	11.68	
22 07 19 00-0251	LF		2" Diameter Pipe, 4" Thick Foamglas Insulation	75.63	13.24
			<i>For Work In Restricted Working Space, Add</i>	12.05	
22 07 19 00-0252	LF		2-1/2" Diameter Pipe, 4" Thick Foamglas Insulation	80.62	13.46
			<i>For Work In Restricted Working Space, Add</i>	12.23	
22 07 19 00-0253	LF		3" Diameter Pipe, 4" Thick Foamglas Insulation	84.63	13.96
			<i>For Work In Restricted Working Space, Add</i>	12.68	
22 07 19 00-0254	LF		4" Diameter Pipe, 4" Thick Foamglas Insulation	92.51	15.56
			<i>For Work In Restricted Working Space, Add</i>	14.15	
22 07 19 00-0255	LF		6" Diameter Pipe, 4" Thick Foamglas Insulation	106.95	16.70
			<i>For Work In Restricted Working Space, Add</i>	15.19	
22 07 19 00-0256	LF		8" Diameter Pipe, 4" Thick Foamglas Insulation	120.71	18.11
			<i>For Work In Restricted Working Space, Add</i>	16.47	
22 07 19 00-0257	LF		10" Diameter Pipe, 4" Thick Foamglas Insulation	138.29	21.53
			<i>For Work In Restricted Working Space, Add</i>	19.57	
22 07 19 00-0258	LF		12" Diameter Pipe, 4" Thick Foamglas Insulation	161.63	26.74
			<i>For Work In Restricted Working Space, Add</i>	24.30	
22 07 19 00-0259	LF		14" Diameter Pipe, 4" Thick Foamglas Insulation	175.76	29.19
			<i>For Work In Restricted Working Space, Add</i>	26.55	
22 07 19 00-0260	LF		16" Diameter Pipe, 4" Thick Foamglas Insulation	208.74	37.33
			<i>For Work In Restricted Working Space, Add</i>	33.94	
22 07 19 00-0261	LF		18" Diameter Pipe, 4" Thick Foamglas Insulation	232.13	39.13
			<i>For Work In Restricted Working Space, Add</i>	35.57	
22 07 19 00-0262	LF		20" Diameter Pipe, 4" Thick Foamglas Insulation	260.26	44.78
			<i>For Work In Restricted Working Space, Add</i>	40.71	
22 07 19 00-0263	LF		24" Diameter Pipe, 4" Thick Foamglas Insulation	329.99	54.10
			<i>For Work In Restricted Working Space, Add</i>	49.18	
22 07 19 00-0264 Polyisocyanurate Pipe Insulation (22 07 19)					
Note: Dow Trymer insulation with Saran vapor wrap. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each					

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

fitting/valve or 4 LF for each flanged/grooved joint.

22 07 19 00-0265 1" Thick Polyisocyanurate Pipe Insulation (22 07 19 00-0264)

22 07 19 00-0266	LF	2" Diameter Pipe, 1" Thick Polyisocyanurate Insulation.....	18.46	3.66
22 07 19 00-0267	LF	2-1/2" Diameter Pipe, 1" Thick Polyisocyanurate Insulation.....	19.88	3.91
22 07 19 00-0268	LF	3" Diameter Pipe, 1" Thick Polyisocyanurate Insulation.....	21.39	4.17
22 07 19 00-0269	LF	4" Diameter Pipe, 1" Thick Polyisocyanurate Insulation.....	25.29	4.92
22 07 19 00-0270	LF	6" Diameter Pipe, 1" Thick Polyisocyanurate Insulation.....	31.97	6.18
22 07 19 00-0271	LF	8" Diameter Pipe, 1" Thick Polyisocyanurate Insulation.....	38.45	7.32
22 07 19 00-0272	LF	10" Diameter Pipe, 1" Thick Polyisocyanurate Insulation.....	44.00	8.20

22 07 19 00-0273 1-1/2" Thick Polyisocyanurate Pipe Insulation (22 07 19 00-0264)

22 07 19 00-0274	LF	2" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation.....	21.12	3.91
22 07 19 00-0275	LF	2-1/2" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation.....	22.89	4.17
22 07 19 00-0276	LF	3" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation.....	24.64	4.29
22 07 19 00-0277	LF	4" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation.....	29.19	5.30
22 07 19 00-0278	LF	6" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation.....	37.33	6.69
22 07 19 00-0279	LF	8" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation.....	45.44	8.20
22 07 19 00-0280	LF	10" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation.....	52.31	9.21

22 07 19 00-0281 2" Thick Polyisocyanurate Pipe Insulation (22 07 19 00-0264)

22 07 19 00-0282	LF	2" Diameter Pipe, 2" Thick Polyisocyanurate Insulation.....	26.37	4.17
22 07 19 00-0283	LF	2-1/2" Diameter Pipe, 2" Thick Polyisocyanurate Insulation.....	28.61	4.42
22 07 19 00-0284	LF	3" Diameter Pipe, 2" Thick Polyisocyanurate Insulation.....	30.08	4.67
22 07 19 00-0285	LF	4" Diameter Pipe, 2" Thick Polyisocyanurate Insulation.....	35.85	5.68
22 07 19 00-0286	LF	6" Diameter Pipe, 2" Thick Polyisocyanurate Insulation.....	43.66	7.32
22 07 19 00-0287	LF	8" Diameter Pipe, 2" Thick Polyisocyanurate Insulation.....	57.11	9.21
22 07 19 00-0288	LF	10" Diameter Pipe, 2" Thick Polyisocyanurate Insulation.....	60.76	10.60

22 07 19 00-0289 Flexible Polyethylene Tubing Closed Cell Foam Insulation (22 07 19)

Note: UV resistant standard temperature (-90 Degree F To +212 Degree F). For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.

22 07 19 00-0290 3/8" Wall Flexible Polyethylene Tubing Foam Insulation (22 07 19 00-0289)

22 07 19 00-0291	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	8.07	3.77
		<i>For Work In Restricted Working Space, Add</i>	2.27	
22 07 19 00-0292	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	8.08	3.77
		<i>For Work In Restricted Working Space, Add</i>	2.27	
22 07 19 00-0293	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	8.41	3.91
		<i>For Work In Restricted Working Space, Add</i>	2.35	
22 07 19 00-0294	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	8.76	4.04
		<i>For Work In Restricted Working Space, Add</i>	2.43	
22 07 19 00-0295	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	9.08	4.12
		<i>For Work In Restricted Working Space, Add</i>	2.46	
22 07 19 00-0296	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	9.46	4.18
		<i>For Work In Restricted Working Space, Add</i>	2.51	
22 07 19 00-0297	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	9.62	4.18
		<i>For Work In Restricted Working Space, Add</i>	2.52	
22 07 19 00-0298	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	10.05	4.18
		<i>For Work In Restricted Working Space, Add</i>	2.53	
22 07 19 00-0299	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	10.90	4.31
		<i>For Work In Restricted Working Space, Add</i>	2.60	
22 07 19 00-0300	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	11.27	4.38
		<i>For Work In Restricted Working Space, Add</i>	2.64	

22 07 19 00-0301 1/2" Wall Flexible Polyethylene Tubing Foam Insulation (22 07 19 00-0289)

22 07 19 00-0302	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	8.96	4.12
		<i>For Work In Restricted Working Space, Add</i>	2.46	
22 07 19 00-0303	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	9.06	4.12
		<i>For Work In Restricted Working Space, Add</i>	2.48	
22 07 19 00-0304	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	9.22	4.18
		<i>For Work In Restricted Working Space, Add</i>	2.51	
22 07 19 00-0305	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	9.40	4.21
		<i>For Work In Restricted Working Space, Add</i>	2.52	
22 07 19 00-0306	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	9.88	4.31
		<i>For Work In Restricted Working Space, Add</i>	2.58	
22 07 19 00-0307	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	10.29	4.38
		<i>For Work In Restricted Working Space, Add</i>	2.62	
22 07 19 00-0308	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	10.75	4.44
		<i>For Work In Restricted Working Space, Add</i>	2.67	
22 07 19 00-0309	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	11.31	4.51
		<i>For Work In Restricted Working Space, Add</i>	2.70	
22 07 19 00-0310	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	12.29	4.64
		<i>For Work In Restricted Working Space, Add</i>	2.78	
22 07 19 00-0311	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	13.29	4.71
		<i>For Work In Restricted Working Space, Add</i>	2.82	
22 07 19 00-0312	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	14.25	4.77
		<i>For Work In Restricted Working Space, Add</i>	2.86	
22 07 19 00-0313	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	14.83	4.83
		<i>For Work In Restricted Working Space, Add</i>	2.90	

22 07 19 00-0314 3/4" Wall Flexible Polyethylene Tubing Foam Insulation (22 07 19 00-0289)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0315	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	10.00	4.44	
		For Work In Restricted Working Space, Add	2.67		
22 07 19 00-0316	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	10.12	4.51	
		For Work In Restricted Working Space, Add	2.70		
22 07 19 00-0317	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	10.79	4.64	
		For Work In Restricted Working Space, Add	2.78		
22 07 19 00-0318	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	11.07	4.71	
		For Work In Restricted Working Space, Add	2.82		
22 07 19 00-0319	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	11.90	4.83	
		For Work In Restricted Working Space, Add	2.90		
22 07 19 00-0320	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	12.73	4.91	
		For Work In Restricted Working Space, Add	2.94		
22 07 19 00-0321	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	13.11	4.93	
		For Work In Restricted Working Space, Add	2.96		
22 07 19 00-0322	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	14.65	4.97	
		For Work In Restricted Working Space, Add	2.98		
22 07 19 00-0323	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	16.78	5.10	
		For Work In Restricted Working Space, Add	3.06		
22 07 19 00-0324	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	16.91	5.17	
		For Work In Restricted Working Space, Add	3.10		
22 07 19 00-0325	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	18.44	5.23	
		For Work In Restricted Working Space, Add	3.14		
22 07 19 00-0326	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	19.08	5.30	
		For Work In Restricted Working Space, Add	3.18		
22 07 19 00-0327 1" Wall Flexible Polyethylene Tubing Foam Insulation (22 07 19 00-0289)					
22 07 19 00-0328	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	11.38	4.91	
		For Work In Restricted Working Space, Add	2.94		
22 07 19 00-0329	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	11.68	4.97	
		For Work In Restricted Working Space, Add	2.98		
22 07 19 00-0330	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	12.62	5.10	
		For Work In Restricted Working Space, Add	3.06		
22 07 19 00-0331	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	12.91	5.17	
		For Work In Restricted Working Space, Add	3.10		
22 07 19 00-0332	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	14.32	5.30	
		For Work In Restricted Working Space, Add	3.18		
22 07 19 00-0333	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	15.03	5.43	
		For Work In Restricted Working Space, Add	3.26		
22 07 19 00-0334	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	15.31	5.50	
		For Work In Restricted Working Space, Add	3.30		
22 07 19 00-0335	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	16.68	5.56	
		For Work In Restricted Working Space, Add	3.34		
22 07 19 00-0336	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	17.65	5.71	
		For Work In Restricted Working Space, Add	3.42		
22 07 19 00-0337	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	18.50	5.77	
		For Work In Restricted Working Space, Add	3.46		
22 07 19 00-0338 Flexible Elastomeric Tubing Closed Cell Foam Insulation (22 07 19)					
Note: For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.					
22 07 19 00-0339 3/8" Wall Flexible Elastomeric Tubing Foam Insulation (22 07 19 00-0338)					
22 07 19 00-0340	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.24	3.77	
		For Work In Restricted Working Space, Add	2.27		
22 07 19 00-0341	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.35	3.77	
		For Work In Restricted Working Space, Add	2.27		
22 07 19 00-0342	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.68	3.91	
		For Work In Restricted Working Space, Add	2.35		
22 07 19 00-0343	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.87	3.97	
		For Work In Restricted Working Space, Add	2.39		
22 07 19 00-0344	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.07	4.04	
		For Work In Restricted Working Space, Add	2.43		
22 07 19 00-0345	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.33	4.12	
		For Work In Restricted Working Space, Add	2.46		
22 07 19 00-0346	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.56	4.18	
		For Work In Restricted Working Space, Add	2.51		
22 07 19 00-0347	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.78	4.18	
		For Work In Restricted Working Space, Add	2.52		
22 07 19 00-0348	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.98	4.18	
		For Work In Restricted Working Space, Add	2.53		
22 07 19 00-0349	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.18	4.24	
		For Work In Restricted Working Space, Add	2.54		
22 07 19 00-0350	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.47	4.31	
		For Work In Restricted Working Space, Add	2.58		
22 07 19 00-0351	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.72	4.31	
		For Work In Restricted Working Space, Add	2.60		
22 07 19 00-0352	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.90	4.38	
		For Work In Restricted Working Space, Add	2.62		
22 07 19 00-0353	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.15	4.38	
		For Work In Restricted Working Space, Add	2.64		
22 07 19 00-0354	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.70	4.44	
		For Work In Restricted Working Space, Add	2.67		
22 07 19 00-0355	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.33	4.51	
		For Work In Restricted Working Space, Add	2.70		
22 07 19 00-0356	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.01	4.53	
		For Work In Restricted Working Space, Add	2.72		

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 07 19 00-0357		1/2" Wall Flexible Elastomeric Tubing Foam Insulation (22 07 19 00-0338)			
22 07 19 00-0358	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	9.24	4.12	
		<i>For Work In Restricted Working Space, Add</i>	2.46		
22 07 19 00-0359	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	9.36	4.12	
		<i>For Work In Restricted Working Space, Add</i>	2.48		
22 07 19 00-0360	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	9.50	4.18	
		<i>For Work In Restricted Working Space, Add</i>	2.51		
22 07 19 00-0361	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	9.68	4.18	
		<i>For Work In Restricted Working Space, Add</i>	2.52		
22 07 19 00-0362	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	9.81	4.18	
		<i>For Work In Restricted Working Space, Add</i>	2.52		
22 07 19 00-0363	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.18	4.31	
		<i>For Work In Restricted Working Space, Add</i>	2.58		
22 07 19 00-0364	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.52	4.38	
		<i>For Work In Restricted Working Space, Add</i>	2.62		
22 07 19 00-0365	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.84	4.44	
		<i>For Work In Restricted Working Space, Add</i>	2.67		
22 07 19 00-0366	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.13	4.48	
		<i>For Work In Restricted Working Space, Add</i>	2.69		
22 07 19 00-0367	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.37	4.51	
		<i>For Work In Restricted Working Space, Add</i>	2.70		
22 07 19 00-0368	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.28	4.58	
		<i>For Work In Restricted Working Space, Add</i>	2.75		
22 07 19 00-0369	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.83	4.64	
		<i>For Work In Restricted Working Space, Add</i>	2.78		
22 07 19 00-0370	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.24	4.68	
		<i>For Work In Restricted Working Space, Add</i>	2.81		
22 07 19 00-0371	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.58	4.71	
		<i>For Work In Restricted Working Space, Add</i>	2.82		
22 07 19 00-0372	LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.85	4.74	
		<i>For Work In Restricted Working Space, Add</i>	2.84		
22 07 19 00-0373	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.07	4.77	
		<i>For Work In Restricted Working Space, Add</i>	2.86		
22 07 19 00-0374	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	15.10	4.83	
		<i>For Work In Restricted Working Space, Add</i>	2.90		
22 07 19 00-0375	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	15.35	4.87	
		<i>For Work In Restricted Working Space, Add</i>	2.92		
22 07 19 00-0376	LF	5" I.D. (5-9/16" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	16.34	4.91	
		<i>For Work In Restricted Working Space, Add</i>	2.94		
22 07 19 00-0377	LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	17.55	5.03	
		<i>For Work In Restricted Working Space, Add</i>	3.02		
22 07 19 00-0378	LF	8" IPS (8-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	18.90	5.17	
		<i>For Work In Restricted Working Space, Add</i>	3.10		
22 07 19 00-0379		3/4" Wall Flexible Elastomeric Tubing Foam Insulation (22 07 19 00-0338)			
22 07 19 00-0380	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	10.54	4.44	
		<i>For Work In Restricted Working Space, Add</i>	2.67		
22 07 19 00-0381	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	10.81	4.51	
		<i>For Work In Restricted Working Space, Add</i>	2.70		
22 07 19 00-0382	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	11.23	4.64	
		<i>For Work In Restricted Working Space, Add</i>	2.78		
22 07 19 00-0383	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	11.47	4.68	
		<i>For Work In Restricted Working Space, Add</i>	2.81		
22 07 19 00-0384	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	11.58	4.71	
		<i>For Work In Restricted Working Space, Add</i>	2.82		
22 07 19 00-0385	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.18	4.83	
		<i>For Work In Restricted Working Space, Add</i>	2.90		
22 07 19 00-0386	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.63	4.91	
		<i>For Work In Restricted Working Space, Add</i>	2.94		
22 07 19 00-0387	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.09	4.97	
		<i>For Work In Restricted Working Space, Add</i>	2.98		
22 07 19 00-0388	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.21	4.97	
		<i>For Work In Restricted Working Space, Add</i>	2.98		
22 07 19 00-0389	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.40	5.01	
		<i>For Work In Restricted Working Space, Add</i>	3.01		
22 07 19 00-0390	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.92	5.03	
		<i>For Work In Restricted Working Space, Add</i>	3.02		
22 07 19 00-0391	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.22	5.10	
		<i>For Work In Restricted Working Space, Add</i>	3.06		
22 07 19 00-0392	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.83	5.13	
		<i>For Work In Restricted Working Space, Add</i>	3.08		
22 07 19 00-0393	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	15.24	5.17	
		<i>For Work In Restricted Working Space, Add</i>	3.10		
22 07 19 00-0394	LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	15.87	5.21	
		<i>For Work In Restricted Working Space, Add</i>	3.12		
22 07 19 00-0395	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	16.14	5.23	
		<i>For Work In Restricted Working Space, Add</i>	3.14		
22 07 19 00-0396	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	17.08	5.30	
		<i>For Work In Restricted Working Space, Add</i>	3.18		
22 07 19 00-0397	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	17.84	5.33	
		<i>For Work In Restricted Working Space, Add</i>	3.20		
22 07 19 00-0398	LF	5" IPS (5-9/16" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	19.10	5.36	
		<i>For Work In Restricted Working Space, Add</i>	3.22		
22 07 19 00-0399	LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 3/4" Flexible Elastomeric Tubing Closed Cell Foam Insulation	20.45	5.43	
		<i>For Work In Restricted Working Space, Add</i>	3.26		
22 07 19 00-0400	LF	8" IPS (8-5/8" O.D.) Diameter Pipe, 3/4" Flexible Elastomeric Tubing Closed Cell Foam Insulation	22.10	5.56	
		<i>For Work In Restricted Working Space, Add</i>	3.34		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 07 19 00-0401	1" Wall Flexible Elastomeric Tubing Foam Insulation (22 07 19 00-0338)				
22 07 19 00-0402	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.22	4.89	
		<i>For Work In Restricted Working Space, Add</i>	2.94		
22 07 19 00-0403	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.56	4.97	
		<i>For Work In Restricted Working Space, Add</i>	2.98		
22 07 19 00-0404	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.00	5.10	
		<i>For Work In Restricted Working Space, Add</i>	3.06		
22 07 19 00-0405	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.35	5.13	
		<i>For Work In Restricted Working Space, Add</i>	3.08		
22 07 19 00-0406	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.65	5.17	
		<i>For Work In Restricted Working Space, Add</i>	3.10		
22 07 19 00-0407	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.20	5.30	
		<i>For Work In Restricted Working Space, Add</i>	3.18		
22 07 19 00-0408	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	15.05	5.43	
		<i>For Work In Restricted Working Space, Add</i>	3.26		
22 07 19 00-0409	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	15.46	5.43	
		<i>For Work In Restricted Working Space, Add</i>	3.30		
22 07 19 00-0410	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	16.02	5.50	
		<i>For Work In Restricted Working Space, Add</i>	3.32		
22 07 19 00-0411	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	16.22	5.56	
		<i>For Work In Restricted Working Space, Add</i>	3.34		
22 07 19 00-0412	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	17.40	5.64	
		<i>For Work In Restricted Working Space, Add</i>	3.38		
22 07 19 00-0413	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	18.31	5.71	
		<i>For Work In Restricted Working Space, Add</i>	3.42		
22 07 19 00-0414	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	19.47	5.74	
		<i>For Work In Restricted Working Space, Add</i>	3.44		
22 07 19 00-0415	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	19.81	5.77	
		<i>For Work In Restricted Working Space, Add</i>	3.46		
22 07 19 00-0416	LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	20.42	5.81	
		<i>For Work In Restricted Working Space, Add</i>	3.48		
22 07 19 00-0417	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	20.73	5.83	
		<i>For Work In Restricted Working Space, Add</i>	3.50		
22 07 19 00-0418	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	22.95	5.97	
		<i>For Work In Restricted Working Space, Add</i>	3.58		
22 07 19 00-0419	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	24.45	6.03	
		<i>For Work In Restricted Working Space, Add</i>	3.62		
22 07 19 00-0420	LF	5" IPS (5-9/16" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	26.64	6.10	
		<i>For Work In Restricted Working Space, Add</i>	3.66		
22 07 19 00-0421	LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	29.00	6.23	
		<i>For Work In Restricted Working Space, Add</i>	3.74		

22 07 19 00-0422	1-1/2" Wall Flexible Elastomeric Tubing Foam Insulation (22 07 19 00-0338)				
22 07 19 00-0423	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	17.85	5.48	
		<i>For Work In Restricted Working Space, Add</i>	3.29		
22 07 19 00-0424	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	18.30	5.61	
		<i>For Work In Restricted Working Space, Add</i>	3.37		
22 07 19 00-0425	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	18.65	5.64	
		<i>For Work In Restricted Working Space, Add</i>	3.39		
22 07 19 00-0426	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	19.00	5.69	
		<i>For Work In Restricted Working Space, Add</i>	3.40		
22 07 19 00-0427	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	19.52	5.82	
		<i>For Work In Restricted Working Space, Add</i>	3.48		
22 07 19 00-0428	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	20.38	6.03	
		<i>For Work In Restricted Working Space, Add</i>	3.61		
22 07 19 00-0429	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	21.47	5.95	
		<i>For Work In Restricted Working Space, Add</i>	3.65		
22 07 19 00-0430	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	22.43	6.08	
		<i>For Work In Restricted Working Space, Add</i>	3.69		
22 07 19 00-0431	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	23.05	6.23	
		<i>For Work In Restricted Working Space, Add</i>	3.74		
22 07 19 00-0432	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	24.86	6.31	
		<i>For Work In Restricted Working Space, Add</i>	3.78		
22 07 19 00-0433	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	26.58	6.38	
		<i>For Work In Restricted Working Space, Add</i>	3.82		
22 07 19 00-0434	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	27.39	6.41	
		<i>For Work In Restricted Working Space, Add</i>	3.84		
22 07 19 00-0435	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	28.20	6.42	
		<i>For Work In Restricted Working Space, Add</i>	3.86		
22 07 19 00-0436	LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	29.14	6.46	
		<i>For Work In Restricted Working Space, Add</i>	3.88		
22 07 19 00-0437	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	29.73	6.48	
		<i>For Work In Restricted Working Space, Add</i>	3.89		
22 07 19 00-0438	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	32.99	6.72	
		<i>For Work In Restricted Working Space, Add</i>	4.02		
22 07 19 00-0439	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	34.74	6.82	
		<i>For Work In Restricted Working Space, Add</i>	4.09		
22 07 19 00-0440	LF	5" IPS (5-9/16" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	38.89	6.92	
		<i>For Work In Restricted Working Space, Add</i>	4.16		
22 07 19 00-0441	LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	43.06	7.14	
		<i>For Work In Restricted Working Space, Add</i>	4.28		

22 07 19 00-0442	2" Wall Flexible Elastomeric Tubing Foam Insulation (22 07 19 00-0338)				
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22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 07 19 00-0443	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	25.08	6.06
		<i>For Work In Restricted Working Space, Add</i>	3.64	
22 07 19 00-0444	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	26.02	6.15
		<i>For Work In Restricted Working Space, Add</i>	3.71	
22 07 19 00-0445	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	27.56	6.20
		<i>For Work In Restricted Working Space, Add</i>	3.73	
22 07 19 00-0446	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	28.09	6.25
		<i>For Work In Restricted Working Space, Add</i>	3.74	
22 07 19 00-0447	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	29.44	6.37
		<i>For Work In Restricted Working Space, Add</i>	3.82	
22 07 19 00-0448	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	31.16	6.67
		<i>For Work In Restricted Working Space, Add</i>	4.00	
22 07 19 00-0449	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	32.11	6.51
		<i>For Work In Restricted Working Space, Add</i>	4.03	
22 07 19 00-0450	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	33.84	6.74
		<i>For Work In Restricted Working Space, Add</i>	4.10	
22 07 19 00-0451	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	35.50	6.96
		<i>For Work In Restricted Working Space, Add</i>	4.18	
22 07 19 00-0452	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	36.61	7.05
		<i>For Work In Restricted Working Space, Add</i>	4.22	
22 07 19 00-0453	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	38.84	7.14
		<i>For Work In Restricted Working Space, Add</i>	4.26	
22 07 19 00-0454	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	39.12	7.15
		<i>For Work In Restricted Working Space, Add</i>	4.28	
22 07 19 00-0455	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	41.20	7.16
		<i>For Work In Restricted Working Space, Add</i>	4.31	
22 07 19 00-0456	LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	42.65	7.20
		<i>For Work In Restricted Working Space, Add</i>	4.32	
22 07 19 00-0457	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	44.18	7.23
		<i>For Work In Restricted Working Space, Add</i>	4.34	
22 07 19 00-0458	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	49.40	7.57
		<i>For Work In Restricted Working Space, Add</i>	4.53	
22 07 19 00-0459	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	52.42	7.72
		<i>For Work In Restricted Working Space, Add</i>	4.63	
22 07 19 00-0460	LF	5" IPS (5-9/16" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	53.37	7.87
		<i>For Work In Restricted Working Space, Add</i>	4.73	
22 07 19 00-0461	LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	59.62	8.19
		<i>For Work In Restricted Working Space, Add</i>	4.91	

22 07 19 00-0462 Flexible Polyolefin Tubing Closed Cell Foam Insulation (22 07 19)

Note: UV stabilized, work temperature (-110 degree F to +210 degree F) 0 water vapor transmission. For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.

22 07 19 00-0463 3/8" Wall Flexible Polyolefin Tubing Foam Insulation (22 07 19 00-0462)

22 07 19 00-0464	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	8.15	3.77
		<i>For Work In Restricted Working Space, Add</i>	2.27	
22 07 19 00-0465	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	8.24	3.77
		<i>For Work In Restricted Working Space, Add</i>	2.27	
22 07 19 00-0466	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	8.54	3.91
		<i>For Work In Restricted Working Space, Add</i>	2.35	
22 07 19 00-0467	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	8.92	4.04
		<i>For Work In Restricted Working Space, Add</i>	2.43	
22 07 19 00-0468	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	9.14	4.12
		<i>For Work In Restricted Working Space, Add</i>	2.46	
22 07 19 00-0469	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	9.55	4.18
		<i>For Work In Restricted Working Space, Add</i>	2.51	
22 07 19 00-0470	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	9.86	4.18
		<i>For Work In Restricted Working Space, Add</i>	2.52	
22 07 19 00-0471	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	10.09	4.31
		<i>For Work In Restricted Working Space, Add</i>	2.53	
22 07 19 00-0472	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	11.08	4.31
		<i>For Work In Restricted Working Space, Add</i>	2.60	
22 07 19 00-0473	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	11.96	4.38
		<i>For Work In Restricted Working Space, Add</i>	2.64	
22 07 19 00-0474	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	14.22	4.51
		<i>For Work In Restricted Working Space, Add</i>	2.70	

22 07 19 00-0475 1/2" Wall Flexible Polyolefin Tubing Foam Insulation (22 07 19 00-0462)

22 07 19 00-0476	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	9.12	4.12
		<i>For Work In Restricted Working Space, Add</i>	2.46	
22 07 19 00-0477	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	9.20	4.12
		<i>For Work In Restricted Working Space, Add</i>	2.48	
22 07 19 00-0478	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	9.39	4.18
		<i>For Work In Restricted Working Space, Add</i>	2.51	
22 07 19 00-0479	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	9.64	4.18
		<i>For Work In Restricted Working Space, Add</i>	2.52	
22 07 19 00-0480	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	9.95	4.31
		<i>For Work In Restricted Working Space, Add</i>	2.58	
22 07 19 00-0481	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	10.40	4.38
		<i>For Work In Restricted Working Space, Add</i>	2.62	
22 07 19 00-0482	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	10.89	4.44
		<i>For Work In Restricted Working Space, Add</i>	2.67	
22 07 19 00-0483	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	11.36	4.51
		<i>For Work In Restricted Working Space, Add</i>	2.70	
22 07 19 00-0484	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	12.43	4.64
		<i>For Work In Restricted Working Space, Add</i>	2.78	

MINOR		CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0485	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	13.36	4.71	
		<i>For Work In Restricted Working Space, Add</i>	2.82		
22 07 19 00-0486	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	15.16	4.83	
		<i>For Work In Restricted Working Space, Add</i>	2.90		
22 07 19 00-0487 3/4" Wall Flexible Polyolefin Tubing Foam Insulation (22 07 19 00-0462)					
22 07 19 00-0488	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	10.25	4.44	
		<i>For Work In Restricted Working Space, Add</i>	2.67		
22 07 19 00-0489	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	10.59	4.51	
		<i>For Work In Restricted Working Space, Add</i>	2.70		
22 07 19 00-0490	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	11.02	4.64	
		<i>For Work In Restricted Working Space, Add</i>	2.78		
22 07 19 00-0491	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	11.65	4.71	
		<i>For Work In Restricted Working Space, Add</i>	2.82		
22 07 19 00-0492	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	12.27	4.83	
		<i>For Work In Restricted Working Space, Add</i>	2.90		
22 07 19 00-0493	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	13.30	4.91	
		<i>For Work In Restricted Working Space, Add</i>	2.94		
22 07 19 00-0494	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	13.97	4.91	
		<i>For Work In Restricted Working Space, Add</i>	2.96		
22 07 19 00-0495	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	14.75	4.97	
		<i>For Work In Restricted Working Space, Add</i>	2.98		
22 07 19 00-0496	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	16.24	5.10	
		<i>For Work In Restricted Working Space, Add</i>	3.06		
22 07 19 00-0497	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	17.59	5.17	
		<i>For Work In Restricted Working Space, Add</i>	3.10		
22 07 19 00-0498	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	20.19	5.30	
		<i>For Work In Restricted Working Space, Add</i>	3.18		
22 07 19 00-0499 1" Wall Flexible Polyolefin Tubing Foam Insulation (22 07 19 00-0462)					
22 07 19 00-0500	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	12.18	4.91	
		<i>For Work In Restricted Working Space, Add</i>	2.94		
22 07 19 00-0501	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	12.37	4.97	
		<i>For Work In Restricted Working Space, Add</i>	2.98		
22 07 19 00-0502	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	12.79	5.10	
		<i>For Work In Restricted Working Space, Add</i>	3.06		
22 07 19 00-0503	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	13.72	5.17	
		<i>For Work In Restricted Working Space, Add</i>	3.10		
22 07 19 00-0504	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	14.50	5.30	
		<i>For Work In Restricted Working Space, Add</i>	3.18		
22 07 19 00-0505	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	15.30	5.43	
		<i>For Work In Restricted Working Space, Add</i>	3.26		
22 07 19 00-0506	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	16.06	5.43	
		<i>For Work In Restricted Working Space, Add</i>	3.30		
22 07 19 00-0507	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	17.78	5.56	
		<i>For Work In Restricted Working Space, Add</i>	3.34		
22 07 19 00-0508	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	20.07	5.71	
		<i>For Work In Restricted Working Space, Add</i>	3.42		
22 07 19 00-0509	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	21.71	5.77	
		<i>For Work In Restricted Working Space, Add</i>	3.46		
22 07 19 00-0510 Insulation Protective Jacketing (22 07 19)					
Note: Jacketing only and to be added to insulation prices when required.					
22 07 19 00-0511 Aluminum Insulation Protective Jacketing With Bands (22 07 19 00-0510)					
22 07 19 00-0512 Aluminum Roll, Insulation Protective Jacketing With Bands (22 07 19 00-0511)					
22 07 19 00-0513	SF	0.006" Aluminum Insulation Jacket With Bands.....	19.07	8.07	
22 07 19 00-0514	SF	0.010" Aluminum Insulation Jacket With Bands.....	19.42	8.07	
22 07 19 00-0515	SF	0.016" Aluminum Insulation Jacket With Bands.....	19.76	8.07	
22 07 19 00-0516	SF	0.020" Aluminum Insulation Jacket With Bands.....	20.07	8.07	
22 07 19 00-0517	SF	0.024" Aluminum Insulation Jacket With Bands.....	20.35	8.07	
22 07 19 00-0518 16 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands (22 07 19 00-0511)					
22 07 19 00-0519	LF	1/2" ID, 0.016" Aluminum Insulation Jacketing	9.95	2.29	
		<i>For Stucco Embossed, Add</i>	0.01		
		<i>For Corrugated, Add</i>	0.02		
22 07 19 00-0520	LF	3/4" ID, 0.016" Aluminum Insulation Jacketing	10.39	2.34	
		<i>For Stucco Embossed, Add</i>	0.01		
		<i>For Corrugated, Add</i>	0.03		
22 07 19 00-0521	LF	1" ID, 0.016" Aluminum Insulation Jacketing	10.83	2.41	
		<i>For Stucco Embossed, Add</i>	0.01		
		<i>For Corrugated, Add</i>	0.03		
22 07 19 00-0522	LF	1-1/4" ID, 0.016" Aluminum Insulation Jacketing	11.30	2.47	
		<i>For Stucco Embossed, Add</i>	0.01		
		<i>For Corrugated, Add</i>	0.04		
22 07 19 00-0523	LF	1-1/2" ID, 0.016" Aluminum Insulation Jacketing	11.67	2.50	
		<i>For Stucco Embossed, Add</i>	0.02		
		<i>For Corrugated, Add</i>	0.04		
22 07 19 00-0524	LF	1-3/4" ID, 0.016" Aluminum Insulation Jacketing	12.04	2.54	
		<i>For Stucco Embossed, Add</i>	0.02		
		<i>For Corrugated, Add</i>	0.05		

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 07 19 00-0525	LF	2" ID, 0.016" Aluminum Insulation Jacketing	12.48	2.59
		For Stucco Embossed, Add	0.02	
		For Corrugated, Add	0.05	
22 07 19 00-0526	LF	2-1/4" ID, 0.016" Aluminum Insulation Jacketing	12.93	2.65
		For Stucco Embossed, Add	0.02	
		For Corrugated, Add	0.06	
22 07 19 00-0527	LF	2-1/2" ID, 0.016" Aluminum Insulation Jacketing	13.42	2.70
		For Stucco Embossed, Add	0.03	
		For Corrugated, Add	0.07	
22 07 19 00-0528	LF	2-3/4" ID, 0.016" Aluminum Insulation Jacketing	13.81	2.75
		For Stucco Embossed, Add	0.03	
		For Corrugated, Add	0.07	
22 07 19 00-0529	LF	3" ID, 0.016" Aluminum Insulation Jacketing	14.31	2.81
		For Stucco Embossed, Add	0.03	
		For Corrugated, Add	0.08	
22 07 19 00-0530	LF	3-1/4" ID, 0.016" Aluminum Insulation Jacketing	14.80	2.87
		For Stucco Embossed, Add	0.03	
		For Corrugated, Add	0.08	
22 07 19 00-0531	LF	3-1/2" ID, 0.016" Aluminum Insulation Jacketing	15.28	2.94
		For Stucco Embossed, Add	0.04	
		For Corrugated, Add	0.09	
22 07 19 00-0532	LF	3-3/4" ID, 0.016" Aluminum Insulation Jacketing	15.73	2.99
		For Stucco Embossed, Add	0.04	
		For Corrugated, Add	0.09	
22 07 19 00-0533	LF	4" ID, 0.016" Aluminum Insulation Jacketing	16.25	3.06
		For Stucco Embossed, Add	0.04	
		For Corrugated, Add	0.10	
22 07 19 00-0534	LF	4-1/4" ID, 0.016" Aluminum Insulation Jacketing	16.78	3.14
		For Stucco Embossed, Add	0.04	
		For Corrugated, Add	0.11	
22 07 19 00-0535	LF	4-1/2" ID, 0.016" Aluminum Insulation Jacketing	17.35	3.21
		For Stucco Embossed, Add	0.04	
		For Corrugated, Add	0.11	
22 07 19 00-0536	LF	4-3/4" ID, 0.016" Aluminum Insulation Jacketing	17.83	3.28
		For Stucco Embossed, Add	0.05	
		For Corrugated, Add	0.12	
22 07 19 00-0537	LF	5" ID, 0.016" Aluminum Insulation Jacketing	18.40	3.36
		For Stucco Embossed, Add	0.05	
		For Corrugated, Add	0.12	
22 07 19 00-0538	LF	5-1/4" ID, 0.016" Aluminum Insulation Jacketing	19.00	3.46
		For Stucco Embossed, Add	0.05	
		For Corrugated, Add	0.13	
22 07 19 00-0539	LF	5-1/2" ID, 0.016" Aluminum Insulation Jacketing	19.52	3.53
		For Stucco Embossed, Add	0.05	
		For Corrugated, Add	0.14	
22 07 19 00-0540	LF	5-3/4" ID, 0.016" Aluminum Insulation Jacketing	20.18	3.63
		For Stucco Embossed, Add	0.06	
		For Corrugated, Add	0.14	
22 07 19 00-0541	LF	6" ID, 0.016" Aluminum Insulation Jacketing	20.83	3.74
		For Stucco Embossed, Add	0.06	
		For Corrugated, Add	0.15	
22 07 19 00-0542	LF	6-1/4" ID, 0.016" Aluminum Insulation Jacketing	21.29	3.79
		For Stucco Embossed, Add	0.06	
		For Corrugated, Add	0.15	
22 07 19 00-0543	LF	6-1/2" ID, 0.016" Aluminum Insulation Jacketing	21.75	3.85
		For Stucco Embossed, Add	0.06	
		For Corrugated, Add	0.16	
22 07 19 00-0544	LF	7" ID, 0.016" Aluminum Insulation Jacketing	22.54	3.94
		For Stucco Embossed, Add	0.07	
		For Corrugated, Add	0.17	
22 07 19 00-0545	LF	7-1/4" ID, 0.016" Aluminum Insulation Jacketing	23.14	4.04
		For Stucco Embossed, Add	0.07	
		For Corrugated, Add	0.17	
22 07 19 00-0546	LF	7-1/2" ID, 0.016" Aluminum Insulation Jacketing	23.63	4.11
		For Stucco Embossed, Add	0.07	
		For Corrugated, Add	0.18	
22 07 19 00-0547	LF	8" ID, 0.016" Aluminum Insulation Jacketing	24.37	4.18
		For Stucco Embossed, Add	0.08	
		For Corrugated, Add	0.19	
22 07 19 00-0548	LF	8-1/2" ID, 0.016" Aluminum Insulation Jacketing	25.10	4.24
		For Stucco Embossed, Add	0.08	
		For Corrugated, Add	0.20	
22 07 19 00-0549	LF	9" ID, 0.016" Aluminum Insulation Jacketing	25.99	4.35
		For Stucco Embossed, Add	0.09	
		For Corrugated, Add	0.21	
22 07 19 00-0550	LF	9-1/2" ID, 0.016" Aluminum Insulation Jacketing	26.78	4.43
		For Stucco Embossed, Add	0.09	
		For Corrugated, Add	0.23	
22 07 19 00-0551	LF	10" ID, 0.016" Aluminum Insulation Jacketing	27.54	4.51
		For Stucco Embossed, Add	0.10	
		For Corrugated, Add	0.24	
22 07 19 00-0552	LF	10-1/2" ID, 0.016" Aluminum Insulation Jacketing	28.34	4.59
		For Stucco Embossed, Add	0.10	
		For Corrugated, Add	0.25	
22 07 19 00-0553	LF	11" ID, 0.0106 Aluminum Insulation Jacketing	29.30	4.72
		For Stucco Embossed, Add	0.10	
		For Corrugated, Add	0.26	
22 07 19 00-0554	LF	11-1/2" ID, 0.016" Aluminum Insulation Jacketing	30.15	4.81
		For Stucco Embossed, Add	0.11	
		For Corrugated, Add	0.27	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0555	LF	12"	12" ID, 0.016" Aluminum Insulation Jacketing	30.97	4.90
			For Stucco Embossed, Add	0.11	
			For Corrugated, Add	0.28	
22 07 19 00-0556	LF	12-1/2"	12-1/2" ID, 0.016" Aluminum Insulation Jacketing	32.02	5.05
			For Stucco Embossed, Add	0.12	
			For Corrugated, Add	0.30	
22 07 19 00-0557	LF	13"	13" ID, 0.016" Aluminum Insulation Jacketing	32.67	5.10
			For Stucco Embossed, Add	0.12	
			For Corrugated, Add	0.31	
22 07 19 00-0558	LF	14"	14" ID, 0.016" Aluminum Insulation Jacketing	33.82	5.15
			For Stucco Embossed, Add	0.13	
			For Corrugated, Add	0.33	
22 07 19 00-0559	LF	15"	15" ID, 0.016" Aluminum Insulation Jacketing	35.16	5.25
			For Stucco Embossed, Add	0.14	
			For Corrugated, Add	0.35	
22 07 19 00-0560	LF	16"	16" ID, 0.016" Aluminum Insulation Jacketing	36.32	5.31
			For Stucco Embossed, Add	0.15	
			For Corrugated, Add	0.38	
22 07 19 00-0561	LF	17"	17" ID, 0.016" Aluminum Insulation Jacketing	37.69	5.42
			For Stucco Embossed, Add	0.16	
			For Corrugated, Add	0.40	
22 07 19 00-0562	LF	18"	18" ID, 0.016" Aluminum Insulation Jacketing	38.54	5.48
			For Stucco Embossed, Add	0.17	
			For Corrugated, Add	0.42	
22 07 19 00-0563	LF	19"	19" ID, 0.016" Aluminum Insulation Jacketing	40.25	5.61
			For Stucco Embossed, Add	0.18	
			For Corrugated, Add	0.45	
22 07 19 00-0564	LF	20"	20" ID, 0.016" Aluminum Insulation Jacketing	41.44	5.68
			For Stucco Embossed, Add	0.19	
			For Corrugated, Add	0.47	
22 07 19 00-0565	LF	21"	21" ID, 0.016" Aluminum Insulation Jacketing	42.88	5.80
			For Stucco Embossed, Add	0.20	
			For Corrugated, Add	0.49	
22 07 19 00-0566	LF	22"	22" ID, 0.016" Aluminum Insulation Jacketing	44.06	5.87
			For Stucco Embossed, Add	0.21	
			For Corrugated, Add	0.51	
22 07 19 00-0567	LF	23"	23" ID, 0.016" Aluminum Insulation Jacketing	45.55	6.01
			For Stucco Embossed, Add	0.22	
			For Corrugated, Add	0.54	
22 07 19 00-0568	LF	24"	24" ID, 0.016" Aluminum Insulation Jacketing	46.75	6.08
			For Stucco Embossed, Add	0.22	
			For Corrugated, Add	0.56	
22 07 19 00-0569			20 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands (22 07 19 00-0511)		
22 07 19 00-0570	LF	1/2"	1/2" ID, 0.020" Aluminum Insulation Jacketing	11.06	2.53
			For Stucco Embossed, Add	0.01	
			For Corrugated, Add	0.02	
22 07 19 00-0571	LF	3/4"	3/4" ID, 0.020" Aluminum Insulation Jacketing	11.58	2.59
			For Stucco Embossed, Add	0.01	
			For Corrugated, Add	0.03	
22 07 19 00-0572	LF	1"	1" ID, 0.020" Aluminum Insulation Jacketing	12.13	2.65
			For Stucco Embossed, Add	0.02	
			For Corrugated, Add	0.04	
22 07 19 00-0573	LF	1-1/4"	1-1/4" ID, 0.020" Aluminum Insulation Jacketing	12.67	2.71
			For Stucco Embossed, Add	0.02	
			For Corrugated, Add	0.05	
22 07 19 00-0574	LF	1-1/2"	1-1/2" ID, 0.020" Aluminum Insulation Jacketing	13.12	2.75
			For Stucco Embossed, Add	0.02	
			For Corrugated, Add	0.05	
22 07 19 00-0575	LF	1-3/4"	1-3/4" ID, 0.020" Aluminum Insulation Jacketing	13.58	2.79
			For Stucco Embossed, Add	0.02	
			For Corrugated, Add	0.06	
22 07 19 00-0576	LF	2"	2" ID, 0.020" Aluminum Insulation Jacketing	14.10	2.85
			For Stucco Embossed, Add	0.03	
			For Corrugated, Add	0.07	
22 07 19 00-0577	LF	2-1/4"	2-1/4" ID, 0.020" Aluminum Insulation Jacketing	14.62	2.91
			For Stucco Embossed, Add	0.03	
			For Corrugated, Add	0.08	
22 07 19 00-0578	LF	2-1/2"	2-1/2" ID, 0.020" Aluminum Insulation Jacketing	15.19	2.97
			For Stucco Embossed, Add	0.03	
			For Corrugated, Add	0.08	
22 07 19 00-0579	LF	2-3/4"	2-3/4" ID, 0.020" Aluminum Insulation Jacketing	15.68	3.02
			For Stucco Embossed, Add	0.04	
			For Corrugated, Add	0.09	
22 07 19 00-0580	LF	3"	3" ID, 0.020" Aluminum Insulation Jacketing	16.28	3.08
			For Stucco Embossed, Add	0.04	
			For Corrugated, Add	0.10	
22 07 19 00-0581	LF	3-1/4"	3-1/4" ID, 0.020" Aluminum Insulation Jacketing	16.84	3.15
			For Stucco Embossed, Add	0.04	
			For Corrugated, Add	0.11	
22 07 19 00-0582	LF	3-1/2"	3-1/2" ID, 0.020" Aluminum Insulation Jacketing	17.42	3.23
			For Stucco Embossed, Add	0.05	
			For Corrugated, Add	0.11	
22 07 19 00-0583	LF	3-3/4"	3-3/4" ID, 0.020" Aluminum Insulation Jacketing	17.94	3.28
			For Stucco Embossed, Add	0.05	
			For Corrugated, Add	0.12	

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 07 19 00-0584	LF	4" ID, 0.020" Aluminum Insulation Jacketing	18.54	3.36
		For Stucco Embossed, Add	0.05	
		For Corrugated, Add	0.13	
22 07 19 00-0585	LF	4-1/4" ID, 0.020" Aluminum Insulation Jacketing	19.18	3.45
		For Stucco Embossed, Add	0.05	
		For Corrugated, Add	0.13	
22 07 19 00-0586	LF	4-1/2" ID, 0.020" Aluminum Insulation Jacketing	19.85	3.53
		For Stucco Embossed, Add	0.06	
		For Corrugated, Add	0.14	
22 07 19 00-0587	LF	4-3/4" ID, 0.020" Aluminum Insulation Jacketing	20.41	3.60
		For Stucco Embossed, Add	0.06	
		For Corrugated, Add	0.15	
22 07 19 00-0588	LF	5" ID, 0.020" Aluminum Insulation Jacketing	21.08	3.70
		For Stucco Embossed, Add	0.06	
		For Corrugated, Add	0.16	
22 07 19 00-0589	LF	5-1/4" ID, 0.020" Aluminum Insulation Jacketing	21.78	3.80
		For Stucco Embossed, Add	0.07	
		For Corrugated, Add	0.16	
22 07 19 00-0590	LF	5-1/2" ID, 0.020" Aluminum Insulation Jacketing	22.39	3.88
		For Stucco Embossed, Add	0.07	
		For Corrugated, Add	0.17	
22 07 19 00-0591	LF	5-3/4" ID, 0.020" Aluminum Insulation Jacketing	23.16	4.00
		For Stucco Embossed, Add	0.07	
		For Corrugated, Add	0.18	
22 07 19 00-0592	LF	6" ID, 0.020" Aluminum Insulation Jacketing	23.92	4.12
		For Stucco Embossed, Add	0.07	
		For Corrugated, Add	0.19	
22 07 19 00-0593	LF	6-1/4" ID, 0.020" Aluminum Insulation Jacketing	24.45	4.18
		For Stucco Embossed, Add	0.08	
		For Corrugated, Add	0.19	
22 07 19 00-0594	LF	6-1/2" ID, 0.020" Aluminum Insulation Jacketing	25.01	4.24
		For Stucco Embossed, Add	0.08	
		For Corrugated, Add	0.20	
22 07 19 00-0595	LF	7" ID, 0.020" Aluminum Insulation Jacketing	25.94	4.34
		For Stucco Embossed, Add	0.09	
		For Corrugated, Add	0.21	
22 07 19 00-0596	LF	7-1/4" ID, 0.020" Aluminum Insulation Jacketing	26.64	4.44
		For Stucco Embossed, Add	0.09	
		For Corrugated, Add	0.22	
22 07 19 00-0597	LF	7-1/2" ID, 0.020" Aluminum Insulation Jacketing	27.22	4.52
		For Stucco Embossed, Add	0.09	
		For Corrugated, Add	0.23	
22 07 19 00-0598	LF	8" ID, 0.020" Aluminum Insulation Jacketing	28.12	4.59
		For Stucco Embossed, Add	0.10	
		For Corrugated, Add	0.24	
22 07 19 00-0599	LF	8-1/2" ID, 0.020" Aluminum Insulation Jacketing	28.99	4.67
		For Stucco Embossed, Add	0.10	
		For Corrugated, Add	0.26	
22 07 19 00-0600	LF	9" ID, 0.020" Aluminum Insulation Jacketing	30.04	4.79
		For Stucco Embossed, Add	0.11	
		For Corrugated, Add	0.27	
22 07 19 00-0601	LF	9-1/2" ID, 0.020" Aluminum Insulation Jacketing	31.00	4.87
		For Stucco Embossed, Add	0.12	
		For Corrugated, Add	0.29	
22 07 19 00-0602	LF	10" ID, 0.020" Aluminum Insulation Jacketing	31.92	4.96
		For Stucco Embossed, Add	0.12	
		For Corrugated, Add	0.30	
22 07 19 00-0603	LF	10-1/2" ID, 0.020" Aluminum Insulation Jacketing	32.86	5.05
		For Stucco Embossed, Add	0.13	
		For Corrugated, Add	0.32	
22 07 19 00-0604	LF	11" ID, 0.0106 Aluminum Insulation Jacketing	34.00	5.19
		For Stucco Embossed, Add	0.13	
		For Corrugated, Add	0.33	
22 07 19 00-0605	LF	11-1/2" ID, 0.020" Aluminum Insulation Jacketing	35.01	5.28
		For Stucco Embossed, Add	0.14	
		For Corrugated, Add	0.35	
22 07 19 00-0606	LF	12" ID, 0.020" Aluminum Insulation Jacketing	36.00	5.39
		For Stucco Embossed, Add	0.14	
		For Corrugated, Add	0.36	
22 07 19 00-0607	LF	12-1/2" ID, 0.020" Aluminum Insulation Jacketing	37.23	5.55
		For Stucco Embossed, Add	0.15	
		For Corrugated, Add	0.38	
22 07 19 00-0608	LF	13" ID, 0.020" Aluminum Insulation Jacketing	38.03	5.61
		For Stucco Embossed, Add	0.16	
		For Corrugated, Add	0.39	
22 07 19 00-0609	LF	14" ID, 0.020" Aluminum Insulation Jacketing	39.45	5.67
		For Stucco Embossed, Add	0.17	
		For Corrugated, Add	0.42	
22 07 19 00-0610	LF	15" ID, 0.020" Aluminum Insulation Jacketing	41.08	5.79
		For Stucco Embossed, Add	0.18	
		For Corrugated, Add	0.45	
22 07 19 00-0611	LF	16" ID, 0.020" Aluminum Insulation Jacketing	42.52	5.85
		For Stucco Embossed, Add	0.19	
		For Corrugated, Add	0.48	
22 07 19 00-0612	LF	17" ID, 0.020" Aluminum Insulation Jacketing	44.17	5.97
		For Stucco Embossed, Add	0.20	
		For Corrugated, Add	0.51	
22 07 19 00-0613	LF	18" ID, 0.020" Aluminum Insulation Jacketing	45.23	6.04
		For Stucco Embossed, Add	0.21	
		For Corrugated, Add	0.53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0614	LF		19" ID, 0.020" Aluminum Insulation Jacketing	47.31	6.17
			For Stucco Embossed, Add	0.23	
			For Corrugated, Add	0.57	
22 07 19 00-0615	LF		20" ID, 0.020" Aluminum Insulation Jacketing	48.78	6.24
			For Stucco Embossed, Add	0.24	
			For Corrugated, Add	0.60	
22 07 19 00-0616	LF		21" ID, 0.020" Aluminum Insulation Jacketing	50.50	6.38
			For Stucco Embossed, Add	0.25	
			For Corrugated, Add	0.62	
22 07 19 00-0617	LF		22" ID, 0.020" Aluminum Insulation Jacketing	51.96	6.45
			For Stucco Embossed, Add	0.26	
			For Corrugated, Add	0.65	
22 07 19 00-0618	LF		23" ID, 0.020" Aluminum Insulation Jacketing	53.77	6.61
			For Stucco Embossed, Add	0.27	
			For Corrugated, Add	0.68	
22 07 19 00-0619	LF		24" ID, 0.020" Aluminum Insulation Jacketing	55.25	6.69
			For Stucco Embossed, Add	0.28	
			For Corrugated, Add	0.71	
22 07 19 00-0620			24 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands (22 07 19 00-0511)		
22 07 19 00-0621	LF		1/2" ID, 0.024" Aluminum Insulation Jacketing	12.18	2.76
			For Stucco Embossed, Add	0.01	
			For Corrugated, Add	0.03	
22 07 19 00-0622	LF		3/4" ID, 0.024" Aluminum Insulation Jacketing	12.78	2.82
			For Stucco Embossed, Add	0.02	
			For Corrugated, Add	0.04	
22 07 19 00-0623	LF		1" ID, 0.024" Aluminum Insulation Jacketing	13.39	2.89
			For Stucco Embossed, Add	0.02	
			For Corrugated, Add	0.05	
22 07 19 00-0624	LF		1-1/4" ID, 0.024" Aluminum Insulation Jacketing	14.01	2.96
			For Stucco Embossed, Add	0.02	
			For Corrugated, Add	0.06	
22 07 19 00-0625	LF		1-1/2" ID, 0.024" Aluminum Insulation Jacketing	14.55	3.00
			For Stucco Embossed, Add	0.03	
			For Corrugated, Add	0.06	
22 07 19 00-0626	LF		1-3/4" ID, 0.024" Aluminum Insulation Jacketing	15.08	3.04
			For Stucco Embossed, Add	0.03	
			For Corrugated, Add	0.07	
22 07 19 00-0627	LF		2" ID, 0.024" Aluminum Insulation Jacketing	15.66	3.11
			For Stucco Embossed, Add	0.03	
			For Corrugated, Add	0.08	
22 07 19 00-0628	LF		2-1/4" ID, 0.024" Aluminum Insulation Jacketing	16.27	3.17
			For Stucco Embossed, Add	0.04	
			For Corrugated, Add	0.09	
22 07 19 00-0629	LF		2-1/2" ID, 0.024" Aluminum Insulation Jacketing	16.93	3.24
			For Stucco Embossed, Add	0.04	
			For Corrugated, Add	0.10	
22 07 19 00-0630	LF		2-3/4" ID, 0.024" Aluminum Insulation Jacketing	17.48	3.29
			For Stucco Embossed, Add	0.04	
			For Corrugated, Add	0.11	
22 07 19 00-0631	LF		3" ID, 0.024" Aluminum Insulation Jacketing	18.16	3.36
			For Stucco Embossed, Add	0.05	
			For Corrugated, Add	0.12	
22 07 19 00-0632	LF		3-1/4" ID, 0.024" Aluminum Insulation Jacketing	18.83	3.44
			For Stucco Embossed, Add	0.05	
			For Corrugated, Add	0.13	
22 07 19 00-0633	LF		3-1/2" ID, 0.024" Aluminum Insulation Jacketing	19.49	3.52
			For Stucco Embossed, Add	0.05	
			For Corrugated, Add	0.14	
22 07 19 00-0634	LF		3-3/4" ID, 0.024" Aluminum Insulation Jacketing	20.08	3.58
			For Stucco Embossed, Add	0.06	
			For Corrugated, Add	0.14	
22 07 19 00-0635	LF		4" ID, 0.024" Aluminum Insulation Jacketing	20.77	3.67
			For Stucco Embossed, Add	0.06	
			For Corrugated, Add	0.15	
22 07 19 00-0636	LF		4-1/4" ID, 0.024" Aluminum Insulation Jacketing	21.48	3.76
			For Stucco Embossed, Add	0.06	
			For Corrugated, Add	0.16	
22 07 19 00-0637	LF		4-1/2" ID, 0.024" Aluminum Insulation Jacketing	22.26	3.85
			For Stucco Embossed, Add	0.07	
			For Corrugated, Add	0.17	
22 07 19 00-0638	LF		4-3/4" ID, 0.024" Aluminum Insulation Jacketing	22.90	3.93
			For Stucco Embossed, Add	0.07	
			For Corrugated, Add	0.18	
22 07 19 00-0639	LF		5" ID, 0.024" Aluminum Insulation Jacketing	23.67	4.04
			For Stucco Embossed, Add	0.08	
			For Corrugated, Add	0.19	
22 07 19 00-0640	LF		5-1/4" ID, 0.024" Aluminum Insulation Jacketing	24.45	4.15
			For Stucco Embossed, Add	0.08	
			For Corrugated, Add	0.20	
22 07 19 00-0641	LF		5-1/2" ID, 0.024" Aluminum Insulation Jacketing	25.15	4.24
			For Stucco Embossed, Add	0.08	
			For Corrugated, Add	0.21	
22 07 19 00-0642	LF		5-3/4" ID, 0.024" Aluminum Insulation Jacketing	26.03	4.36
			For Stucco Embossed, Add	0.09	
			For Corrugated, Add	0.22	

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 07 19 00-0643	LF	6" ID, 0.024" Aluminum Insulation Jacketing	26.88	4.49
		For Stucco Embossed, Add	0.09	
		For Corrugated, Add	0.22	
22 07 19 00-0644	LF	6-1/4" ID, 0.024" Aluminum Insulation Jacketing	27.50	4.55
		For Stucco Embossed, Add	0.09	
		For Corrugated, Add	0.23	
22 07 19 00-0645	LF	6-1/2" ID, 0.024" Aluminum Insulation Jacketing	28.14	4.62
		For Stucco Embossed, Add	0.10	
		For Corrugated, Add	0.24	
22 07 19 00-0646	LF	7" ID, 0.024" Aluminum Insulation Jacketing	29.21	4.73
		For Stucco Embossed, Add	0.10	
		For Corrugated, Add	0.26	
22 07 19 00-0647	LF	7-1/4" ID, 0.024" Aluminum Insulation Jacketing	30.01	4.84
		For Stucco Embossed, Add	0.11	
		For Corrugated, Add	0.27	
22 07 19 00-0648	LF	7-1/2" ID, 0.024" Aluminum Insulation Jacketing	30.67	4.92
		For Stucco Embossed, Add	0.11	
		For Corrugated, Add	0.27	
22 07 19 00-0649	LF	8" ID, 0.024" Aluminum Insulation Jacketing	31.71	5.01
		For Stucco Embossed, Add	0.12	
		For Corrugated, Add	0.29	
22 07 19 00-0650	LF	8-1/2" ID, 0.024" Aluminum Insulation Jacketing	32.72	5.09
		For Stucco Embossed, Add	0.12	
		For Corrugated, Add	0.31	
22 07 19 00-0651	LF	9" ID, 0.024" Aluminum Insulation Jacketing	33.93	5.22
		For Stucco Embossed, Add	0.13	
		For Corrugated, Add	0.33	
22 07 19 00-0652	LF	9-1/2" ID, 0.024" Aluminum Insulation Jacketing	35.03	5.31
		For Stucco Embossed, Add	0.14	
		For Corrugated, Add	0.34	
22 07 19 00-0653	LF	10" ID, 0.024" Aluminum Insulation Jacketing	36.11	5.40
		For Stucco Embossed, Add	0.14	
		For Corrugated, Add	0.36	
22 07 19 00-0654	LF	10-1/2" ID, 0.024" Aluminum Insulation Jacketing	37.19	5.50
		For Stucco Embossed, Add	0.15	
		For Corrugated, Add	0.38	
22 07 19 00-0655	LF	11" ID, 0.0106 Aluminum Insulation Jacketing	38.50	5.66
		For Stucco Embossed, Add	0.16	
		For Corrugated, Add	0.40	
22 07 19 00-0656	LF	11-1/2" ID, 0.024" Aluminum Insulation Jacketing	39.66	5.77
		For Stucco Embossed, Add	0.17	
		For Corrugated, Add	0.41	
22 07 19 00-0657	LF	12" ID, 0.024" Aluminum Insulation Jacketing	40.80	5.88
		For Stucco Embossed, Add	0.17	
		For Corrugated, Add	0.43	
22 07 19 00-0658	LF	12-1/2" ID, 0.024" Aluminum Insulation Jacketing	42.20	6.06
		For Stucco Embossed, Add	0.18	
		For Corrugated, Add	0.45	
22 07 19 00-0659	LF	13" ID, 0.024" Aluminum Insulation Jacketing	43.14	6.12
		For Stucco Embossed, Add	0.19	
		For Corrugated, Add	0.47	
22 07 19 00-0660	LF	14" ID, 0.024" Aluminum Insulation Jacketing	44.81	6.18
		For Stucco Embossed, Add	0.20	
		For Corrugated, Add	0.50	
22 07 19 00-0661	LF	15" ID, 0.024" Aluminum Insulation Jacketing	46.72	6.31
		For Stucco Embossed, Add	0.21	
		For Corrugated, Add	0.54	
22 07 19 00-0662	LF	16" ID, 0.024" Aluminum Insulation Jacketing	48.40	6.37
		For Stucco Embossed, Add	0.23	
		For Corrugated, Add	0.57	
22 07 19 00-0663	LF	17" ID, 0.024" Aluminum Insulation Jacketing	50.33	6.51
		For Stucco Embossed, Add	0.24	
		For Corrugated, Add	0.61	
22 07 19 00-0664	LF	18" ID, 0.024" Aluminum Insulation Jacketing	51.58	6.58
		For Stucco Embossed, Add	0.25	
		For Corrugated, Add	0.63	
22 07 19 00-0665	LF	19" ID, 0.024" Aluminum Insulation Jacketing	54.01	6.73
		For Stucco Embossed, Add	0.27	
		For Corrugated, Add	0.68	
22 07 19 00-0666	LF	20" ID, 0.024" Aluminum Insulation Jacketing	55.74	6.80
		For Stucco Embossed, Add	0.29	
		For Corrugated, Add	0.71	
22 07 19 00-0667	LF	21" ID, 0.024" Aluminum Insulation Jacketing	57.74	6.96
		For Stucco Embossed, Add	0.30	
		For Corrugated, Add	0.75	
22 07 19 00-0668	LF	22" ID, 0.024" Aluminum Insulation Jacketing	59.46	7.04
		For Stucco Embossed, Add	0.31	
		For Corrugated, Add	0.78	
22 07 19 00-0669	LF	23" ID, 0.024" Aluminum Insulation Jacketing	61.55	7.21
		For Stucco Embossed, Add	0.33	
		For Corrugated, Add	0.82	
22 07 19 00-0670	LF	24" ID, 0.024" Aluminum Insulation Jacketing	63.27	7.30
		For Stucco Embossed, Add	0.34	
		For Corrugated, Add	0.85	

22 07 19 00-0671 32 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture
 Barrier And Bands (22 07 19 00-0511)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0672	LF	1/2"	0.032" Aluminum Insulation Jacketing	13.78	3.05
			For Stucco Embossed, Add	0.02	
			For Corrugated, Add	0.04	
22 07 19 00-0673	LF	3/4"	0.032" Aluminum Insulation Jacketing	14.52	3.12
			For Stucco Embossed, Add	0.02	
			For Corrugated, Add	0.05	
22 07 19 00-0674	LF	1"	0.032" Aluminum Insulation Jacketing	15.28	3.20
			For Stucco Embossed, Add	0.02	
			For Corrugated, Add	0.06	
22 07 19 00-0675	LF	1-1/4"	0.032" Aluminum Insulation Jacketing	16.06	3.27
			For Stucco Embossed, Add	0.03	
			For Corrugated, Add	0.07	
22 07 19 00-0676	LF	1-1/2"	0.032" Aluminum Insulation Jacketing	16.71	3.32
			For Stucco Embossed, Add	0.03	
			For Corrugated, Add	0.09	
22 07 19 00-0677	LF	1-3/4"	0.032" Aluminum Insulation Jacketing	17.38	3.37
			For Stucco Embossed, Add	0.04	
			For Corrugated, Add	0.10	
22 07 19 00-0678	LF	2"	0.032" Aluminum Insulation Jacketing	18.12	3.44
			For Stucco Embossed, Add	0.04	
			For Corrugated, Add	0.11	
22 07 19 00-0679	LF	2-1/4"	0.032" Aluminum Insulation Jacketing	18.87	3.51
			For Stucco Embossed, Add	0.05	
			For Corrugated, Add	0.12	
22 07 19 00-0680	LF	2-1/2"	0.032" Aluminum Insulation Jacketing	19.70	3.59
			For Stucco Embossed, Add	0.05	
			For Corrugated, Add	0.13	
22 07 19 00-0681	LF	2-3/4"	0.032" Aluminum Insulation Jacketing	20.39	3.65
			For Stucco Embossed, Add	0.06	
			For Corrugated, Add	0.15	
22 07 19 00-0682	LF	3"	0.032" Aluminum Insulation Jacketing	21.23	3.73
			For Stucco Embossed, Add	0.06	
			For Corrugated, Add	0.16	
22 07 19 00-0683	LF	3-1/4"	0.032" Aluminum Insulation Jacketing	22.05	3.81
			For Stucco Embossed, Add	0.07	
			For Corrugated, Add	0.17	
22 07 19 00-0684	LF	3-1/2"	0.032" Aluminum Insulation Jacketing	22.86	3.90
			For Stucco Embossed, Add	0.07	
			For Corrugated, Add	0.18	
22 07 19 00-0685	LF	3-3/4"	0.032" Aluminum Insulation Jacketing	23.60	3.97
			For Stucco Embossed, Add	0.08	
			For Corrugated, Add	0.19	
22 07 19 00-0686	LF	4"	0.032" Aluminum Insulation Jacketing	24.45	4.07
			For Stucco Embossed, Add	0.08	
			For Corrugated, Add	0.20	
22 07 19 00-0687	LF	4-1/4"	0.032" Aluminum Insulation Jacketing	25.31	4.17
			For Stucco Embossed, Add	0.09	
			For Corrugated, Add	0.22	
22 07 19 00-0688	LF	4-1/2"	0.032" Aluminum Insulation Jacketing	26.26	4.28
			For Stucco Embossed, Add	0.09	
			For Corrugated, Add	0.23	
22 07 19 00-0689	LF	4-3/4"	0.032" Aluminum Insulation Jacketing	27.07	4.36
			For Stucco Embossed, Add	0.10	
			For Corrugated, Add	0.24	
22 07 19 00-0690	LF	5"	0.032" Aluminum Insulation Jacketing	27.99	4.48
			For Stucco Embossed, Add	0.10	
			For Corrugated, Add	0.25	
22 07 19 00-0691	LF	5-1/4"	0.032" Aluminum Insulation Jacketing	28.95	4.60
			For Stucco Embossed, Add	0.11	
			For Corrugated, Add	0.26	
22 07 19 00-0692	LF	5-1/2"	0.032" Aluminum Insulation Jacketing	29.80	4.69
			For Stucco Embossed, Add	0.11	
			For Corrugated, Add	0.28	
22 07 19 00-0693	LF	5-3/4"	0.032" Aluminum Insulation Jacketing	30.86	4.83
			For Stucco Embossed, Add	0.12	
			For Corrugated, Add	0.29	
22 07 19 00-0694	LF	6"	0.032" Aluminum Insulation Jacketing	31.88	4.97
			For Stucco Embossed, Add	0.12	
			For Corrugated, Add	0.30	
22 07 19 00-0695	LF	6-1/4"	0.032" Aluminum Insulation Jacketing	32.66	5.05
			For Stucco Embossed, Add	0.12	
			For Corrugated, Add	0.31	
22 07 19 00-0696	LF	6-1/2"	0.032" Aluminum Insulation Jacketing	33.43	5.12
			For Stucco Embossed, Add	0.13	
			For Corrugated, Add	0.32	
22 07 19 00-0697	LF	7"	0.032" Aluminum Insulation Jacketing	34.77	5.24
			For Stucco Embossed, Add	0.14	
			For Corrugated, Add	0.35	
22 07 19 00-0698	LF	7-1/4"	0.032" Aluminum Insulation Jacketing	35.74	5.37
			For Stucco Embossed, Add	0.14	
			For Corrugated, Add	0.36	
22 07 19 00-0699	LF	7-1/2"	0.032" Aluminum Insulation Jacketing	36.56	5.45
			For Stucco Embossed, Add	0.15	
			For Corrugated, Add	0.37	
22 07 19 00-0700	LF	8"	0.032" Aluminum Insulation Jacketing	37.87	5.55
			For Stucco Embossed, Add	0.16	
			For Corrugated, Add	0.39	
22 07 19 00-0701	LF	8-1/2"	0.032" Aluminum Insulation Jacketing	39.15	5.65
			For Stucco Embossed, Add	0.17	
			For Corrugated, Add	0.41	

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 07 19 00-0702	LF	9" ID, 0.032" Aluminum Insulation Jacketing	40.66	5.79
		For Stucco Embossed, Add	0.18	
		For Corrugated, Add	0.44	
22 07 19 00-0703	LF	9-1/2" ID, 0.032" Aluminum Insulation Jacketing	42.05	5.89
		For Stucco Embossed, Add	0.19	
		For Corrugated, Add	0.46	
22 07 19 00-0704	LF	10" ID, 0.032" Aluminum Insulation Jacketing	43.40	6.00
		For Stucco Embossed, Add	0.19	
		For Corrugated, Add	0.49	
22 07 19 00-0705	LF	10-1/2" ID, 0.032" Aluminum Insulation Jacketing	44.76	6.10
		For Stucco Embossed, Add	0.20	
		For Corrugated, Add	0.51	
22 07 19 00-0706	LF	11" ID, 0.0106 Aluminum Insulation Jacketing	46.37	6.27
		For Stucco Embossed, Add	0.21	
		For Corrugated, Add	0.53	
22 07 19 00-0707	LF	11-1/2" ID, 0.032" Aluminum Insulation Jacketing	47.84	6.39
		For Stucco Embossed, Add	0.22	
		For Corrugated, Add	0.56	
22 07 19 00-0708	LF	12" ID, 0.032" Aluminum Insulation Jacketing	49.26	6.52
		For Stucco Embossed, Add	0.23	
		For Corrugated, Add	0.58	
22 07 19 00-0709	LF	12-1/2" ID, 0.032" Aluminum Insulation Jacketing	50.98	6.71
		For Stucco Embossed, Add	0.24	
		For Corrugated, Add	0.60	
22 07 19 00-0710	LF	13" ID, 0.032" Aluminum Insulation Jacketing	52.17	6.78
		For Stucco Embossed, Add	0.25	
		For Corrugated, Add	0.63	
22 07 19 00-0711	LF	14" ID, 0.032" Aluminum Insulation Jacketing	54.37	6.85
		For Stucco Embossed, Add	0.27	
		For Corrugated, Add	0.67	
22 07 19 00-0712	LF	15" ID, 0.032" Aluminum Insulation Jacketing	56.79	6.99
		For Stucco Embossed, Add	0.29	
		For Corrugated, Add	0.72	
22 07 19 00-0713	LF	16" ID, 0.032" Aluminum Insulation Jacketing	59.00	7.06
		For Stucco Embossed, Add	0.31	
		For Corrugated, Add	0.77	
22 07 19 00-0714	LF	17" ID, 0.032" Aluminum Insulation Jacketing	61.46	7.22
		For Stucco Embossed, Add	0.33	
		For Corrugated, Add	0.81	
22 07 19 00-0715	LF	18" ID, 0.032" Aluminum Insulation Jacketing	63.05	7.30
		For Stucco Embossed, Add	0.34	
		For Corrugated, Add	0.85	
22 07 19 00-0716	LF	19" ID, 0.032" Aluminum Insulation Jacketing	66.20	7.46
		For Stucco Embossed, Add	0.36	
		For Corrugated, Add	0.91	
22 07 19 00-0717	LF	20" ID, 0.032" Aluminum Insulation Jacketing	68.45	7.54
		For Stucco Embossed, Add	0.38	
		For Corrugated, Add	0.96	
22 07 19 00-0718	LF	21" ID, 0.032" Aluminum Insulation Jacketing	70.99	7.72
		For Stucco Embossed, Add	0.40	
		For Corrugated, Add	1.00	
22 07 19 00-0719	LF	22" ID, 0.032" Aluminum Insulation Jacketing	73.21	7.81
		For Stucco Embossed, Add	0.42	
		For Corrugated, Add	1.05	
22 07 19 00-0720	LF	23" ID, 0.032" Aluminum Insulation Jacketing	75.86	7.99
		For Stucco Embossed, Add	0.44	
		For Corrugated, Add	1.10	
22 07 19 00-0721	LF	24" ID, 0.032" Aluminum Insulation Jacketing	78.11	8.09
		For Stucco Embossed, Add	0.46	
		For Corrugated, Add	1.14	

22 07 19 00-0722 40 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands

(22 07 19 00-0511)

22 07 19 00-0723	LF	1/2" ID, 0.040" Aluminum Insulation Jacketing	16.00	3.51
		For Stucco Embossed, Add	0.02	
		For Corrugated, Add	0.05	
22 07 19 00-0724	LF	3/4" ID, 0.040" Aluminum Insulation Jacketing	16.92	3.59
		For Stucco Embossed, Add	0.03	
		For Corrugated, Add	0.06	
22 07 19 00-0725	LF	1" ID, 0.040" Aluminum Insulation Jacketing	17.84	3.67
		For Stucco Embossed, Add	0.03	
		For Corrugated, Add	0.08	
22 07 19 00-0726	LF	1-1/4" ID, 0.040" Aluminum Insulation Jacketing	18.77	3.76
		For Stucco Embossed, Add	0.04	
		For Corrugated, Add	0.09	
22 07 19 00-0727	LF	1-1/2" ID, 0.040" Aluminum Insulation Jacketing	19.58	3.82
		For Stucco Embossed, Add	0.04	
		For Corrugated, Add	0.11	
22 07 19 00-0728	LF	1-3/4" ID, 0.040" Aluminum Insulation Jacketing	20.40	3.88
		For Stucco Embossed, Add	0.05	
		For Corrugated, Add	0.12	
22 07 19 00-0729	LF	2" ID, 0.040" Aluminum Insulation Jacketing	21.30	3.95
		For Stucco Embossed, Add	0.05	
		For Corrugated, Add	0.14	
22 07 19 00-0730	LF	2-1/4" ID, 0.040" Aluminum Insulation Jacketing	22.21	4.05
		For Stucco Embossed, Add	0.06	
		For Corrugated, Add	0.15	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0731	LF		2-1/2" ID, 0.040" Aluminum Insulation Jacketing	23.21	4.13
			For Stucco Embossed, Add	0.07	
			For Corrugated, Add	0.17	
22 07 19 00-0732	LF		2-3/4" ID, 0.040" Aluminum Insulation Jacketing	24.07	4.20
			For Stucco Embossed, Add	0.07	
			For Corrugated, Add	0.18	
22 07 19 00-0733	LF		3" ID, 0.040" Aluminum Insulation Jacketing	25.09	4.29
			For Stucco Embossed, Add	0.08	
			For Corrugated, Add	0.20	
22 07 19 00-0734	LF		3-1/4" ID, 0.040" Aluminum Insulation Jacketing	26.07	4.39
			For Stucco Embossed, Add	0.09	
			For Corrugated, Add	0.21	
22 07 19 00-0735	LF		3-1/2" ID, 0.040" Aluminum Insulation Jacketing	27.05	4.49
			For Stucco Embossed, Add	0.09	
			For Corrugated, Add	0.23	
22 07 19 00-0736	LF		3-3/4" ID, 0.040" Aluminum Insulation Jacketing	27.95	4.57
			For Stucco Embossed, Add	0.10	
			For Corrugated, Add	0.24	
22 07 19 00-0737	LF		4" ID, 0.040" Aluminum Insulation Jacketing	28.98	4.68
			For Stucco Embossed, Add	0.10	
			For Corrugated, Add	0.26	
22 07 19 00-0738	LF		4-1/4" ID, 0.040" Aluminum Insulation Jacketing	30.02	4.80
			For Stucco Embossed, Add	0.11	
			For Corrugated, Add	0.27	
22 07 19 00-0739	LF		4-1/2" ID, 0.040" Aluminum Insulation Jacketing	31.17	4.92
			For Stucco Embossed, Add	0.12	
			For Corrugated, Add	0.29	
22 07 19 00-0740	LF		4-3/4" ID, 0.040" Aluminum Insulation Jacketing	32.14	5.01
			For Stucco Embossed, Add	0.12	
			For Corrugated, Add	0.30	
22 07 19 00-0741	LF		5" ID, 0.040" Aluminum Insulation Jacketing	33.25	5.15
			For Stucco Embossed, Add	0.13	
			For Corrugated, Add	0.32	
22 07 19 00-0742	LF		5-1/4" ID, 0.040" Aluminum Insulation Jacketing	34.40	5.29
			For Stucco Embossed, Add	0.13	
			For Corrugated, Add	0.33	
22 07 19 00-0743	LF		5-1/2" ID, 0.040" Aluminum Insulation Jacketing	35.43	5.40
			For Stucco Embossed, Add	0.14	
			For Corrugated, Add	0.35	
22 07 19 00-0744	LF		5-3/4" ID, 0.040" Aluminum Insulation Jacketing	36.70	5.55
			For Stucco Embossed, Add	0.14	
			For Corrugated, Add	0.36	
22 07 19 00-0745	LF		6" ID, 0.040" Aluminum Insulation Jacketing	37.95	5.72
			For Stucco Embossed, Add	0.15	
			For Corrugated, Add	0.38	
22 07 19 00-0746	LF		6-1/4" ID, 0.040" Aluminum Insulation Jacketing	38.88	5.81
			For Stucco Embossed, Add	0.16	
			For Corrugated, Add	0.39	
22 07 19 00-0747	LF		6-1/2" ID, 0.040" Aluminum Insulation Jacketing	39.81	5.90
			For Stucco Embossed, Add	0.16	
			For Corrugated, Add	0.41	
22 07 19 00-0748	LF		7" ID, 0.040" Aluminum Insulation Jacketing	41.45	6.03
			For Stucco Embossed, Add	0.17	
			For Corrugated, Add	0.43	
22 07 19 00-0749	LF		7-1/4" ID, 0.040" Aluminum Insulation Jacketing	42.61	6.18
			For Stucco Embossed, Add	0.18	
			For Corrugated, Add	0.45	
22 07 19 00-0750	LF		7-1/2" ID, 0.040" Aluminum Insulation Jacketing	43.60	6.28
			For Stucco Embossed, Add	0.18	
			For Corrugated, Add	0.46	
22 07 19 00-0751	LF		8" ID, 0.040" Aluminum Insulation Jacketing	45.19	6.39
			For Stucco Embossed, Add	0.20	
			For Corrugated, Add	0.49	
22 07 19 00-0752	LF		8-1/2" ID, 0.040" Aluminum Insulation Jacketing	46.76	6.49
			For Stucco Embossed, Add	0.21	
			For Corrugated, Add	0.52	
22 07 19 00-0753	LF		9" ID, 0.040" Aluminum Insulation Jacketing	48.61	6.65
			For Stucco Embossed, Add	0.22	
			For Corrugated, Add	0.55	
22 07 19 00-0754	LF		9-1/2" ID, 0.040" Aluminum Insulation Jacketing	50.31	6.77
			For Stucco Embossed, Add	0.23	
			For Corrugated, Add	0.58	
22 07 19 00-0755	LF		10" ID, 0.040" Aluminum Insulation Jacketing	51.95	6.89
			For Stucco Embossed, Add	0.24	
			For Corrugated, Add	0.61	
22 07 19 00-0756	LF		10-1/2" ID, 0.040" Aluminum Insulation Jacketing	53.63	7.02
			For Stucco Embossed, Add	0.26	
			For Corrugated, Add	0.64	
22 07 19 00-0757	LF		11" ID, 0.0106 Aluminum Insulation Jacketing	55.57	7.22
			For Stucco Embossed, Add	0.27	
			For Corrugated, Add	0.67	
22 07 19 00-0758	LF		11-1/2" ID, 0.040" Aluminum Insulation Jacketing	57.36	7.36
			For Stucco Embossed, Add	0.28	
			For Corrugated, Add	0.70	
22 07 19 00-0759	LF		12" ID, 0.040" Aluminum Insulation Jacketing	59.10	7.50
			For Stucco Embossed, Add	0.29	
			For Corrugated, Add	0.73	
22 07 19 00-0760	LF		12-1/2" ID, 0.040" Aluminum Insulation Jacketing	61.16	7.72
			For Stucco Embossed, Add	0.30	
			For Corrugated, Add	0.76	

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 07 19 00-0761	LF	13" ID, 0.040" Aluminum Insulation Jacketing	62.64	7.80
		<i>For Stucco Embossed, Add</i>	0.31	
		<i>For Corrugated, Add</i>	0.79	
22 07 19 00-0762	LF	14" ID, 0.040" Aluminum Insulation Jacketing	65.36	7.88
		<i>For Stucco Embossed, Add</i>	0.34	
		<i>For Corrugated, Add</i>	0.85	
22 07 19 00-0763	LF	15" ID, 0.040" Aluminum Insulation Jacketing	68.34	8.04
		<i>For Stucco Embossed, Add</i>	0.36	
		<i>For Corrugated, Add</i>	0.90	
22 07 19 00-0764	LF	16" ID, 0.040" Aluminum Insulation Jacketing	71.08	8.13
		<i>For Stucco Embossed, Add</i>	0.39	
		<i>For Corrugated, Add</i>	0.96	
22 07 19 00-0765	LF	17" ID, 0.040" Aluminum Insulation Jacketing	74.11	8.30
		<i>For Stucco Embossed, Add</i>	0.41	
		<i>For Corrugated, Add</i>	1.02	
22 07 19 00-0766	LF	18" ID, 0.040" Aluminum Insulation Jacketing	76.07	8.39
		<i>For Stucco Embossed, Add</i>	0.43	
		<i>For Corrugated, Add</i>	1.06	
22 07 19 00-0767	LF	19" ID, 0.040" Aluminum Insulation Jacketing	79.95	8.58
		<i>For Stucco Embossed, Add</i>	0.46	
		<i>For Corrugated, Add</i>	1.14	
22 07 19 00-0768	LF	20" ID, 0.040" Aluminum Insulation Jacketing	82.74	8.67
		<i>For Stucco Embossed, Add</i>	0.48	
		<i>For Corrugated, Add</i>	1.20	
22 07 19 00-0769	LF	21" ID, 0.040" Aluminum Insulation Jacketing	85.86	8.88
		<i>For Stucco Embossed, Add</i>	0.50	
		<i>For Corrugated, Add</i>	1.26	
22 07 19 00-0770	LF	22" ID, 0.040" Aluminum Insulation Jacketing	88.61	8.98
		<i>For Stucco Embossed, Add</i>	0.53	
		<i>For Corrugated, Add</i>	1.32	
22 07 19 00-0771	LF	23" ID, 0.040" Aluminum Insulation Jacketing	91.86	9.20
		<i>For Stucco Embossed, Add</i>	0.55	
		<i>For Corrugated, Add</i>	1.38	
22 07 19 00-0772	LF	24" ID, 0.040" Aluminum Insulation Jacketing	94.63	9.30
		<i>For Stucco Embossed, Add</i>	0.57	
		<i>For Corrugated, Add</i>	1.44	

22 07 19 00-0773 Aluminum Insulation Protective Jacketing For Fittings (22 07 19 00-0511)

22 07 19 00-0774	EA	1-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	25.96	3.60
22 07 19 00-0775	EA	1-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	26.49	3.74
22 07 19 00-0776	EA	2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	30.06	3.88
22 07 19 00-0777	EA	2-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	30.30	3.94
22 07 19 00-0778	EA	2-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	30.55	4.01
22 07 19 00-0779	EA	2-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	30.94	4.11
22 07 19 00-0780	EA	3" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	32.58	4.21
22 07 19 00-0781	EA	3-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	33.01	4.32
22 07 19 00-0782	EA	3-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	36.17	4.39
22 07 19 00-0783	EA	3-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	36.96	4.47
22 07 19 00-0784	EA	4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	38.35	4.59
22 07 19 00-0785	EA	4-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	39.25	4.67
22 07 19 00-0786	EA	4-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	39.59	4.76
22 07 19 00-0787	EA	4-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	39.96	4.85
22 07 19 00-0788	EA	5" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	42.96	4.95
22 07 19 00-0789	EA	5-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	46.91	5.05
22 07 19 00-0790	EA	5-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	54.10	5.20
22 07 19 00-0791	EA	5-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	54.54	5.31
22 07 19 00-0792	EA	6" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	50.34	5.48
22 07 19 00-0793	EA	6-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	50.83	5.61
22 07 19 00-0794	EA	6-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	57.41	5.80
22 07 19 00-0795	EA	7" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	65.26	5.94
22 07 19 00-0796	EA	7-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	65.54	6.01
22 07 19 00-0797	EA	7-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	85.36	6.08
22 07 19 00-0798	EA	8" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	70.12	6.16
22 07 19 00-0799	EA	8-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	109.33	6.31
22 07 19 00-0800	EA	9" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	109.97	6.47
22 07 19 00-0801	EA	9-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	88.07	6.55
22 07 19 00-0802	EA	10" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	88.43	6.64
22 07 19 00-0803	EA	10-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	90.12	6.73
22 07 19 00-0804	EA	11" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	90.48	6.82
22 07 19 00-0805	EA	11-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	99.88	7.01
22 07 19 00-0806	EA	12" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	100.27	7.10
22 07 19 00-0807	EA	12-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	157.12	7.32
22 07 19 00-0808	EA	13" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	157.56	7.43
22 07 19 00-0809	EA	14" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	202.06	7.65
22 07 19 00-0810	EA	15" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	210.81	7.89
22 07 19 00-0811	EA	16" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	227.60	8.01
22 07 19 00-0812	EA	2-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	28.02	4.01
22 07 19 00-0813	EA	2-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	28.41	4.11
22 07 19 00-0814	EA	3" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	30.39	4.21
22 07 19 00-0815	EA	3-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	30.82	4.32
22 07 19 00-0816	EA	3-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	33.02	4.39
22 07 19 00-0817	EA	3-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	33.33	4.47
22 07 19 00-0818	EA	4" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	34.08	4.59
22 07 19 00-0819	EA	4-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	36.64	4.67
22 07 19 00-0820	EA	4-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	36.98	4.76
22 07 19 00-0821	EA	4-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	37.35	4.85

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0822	EA		5" ID, Aluminum 45 Degree Elbow Insulation Jacketing	40.86	4.95
22 07 19 00-0823	EA		5-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	41.26	5.05
22 07 19 00-0824	EA		5-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	42.90	5.20
22 07 19 00-0825	EA		6" ID, Aluminum 45 Degree Elbow Insulation Jacketing	44.03	5.48
22 07 19 00-0826	EA		6-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	53.71	5.80
22 07 19 00-0827	EA		7" ID, Aluminum 45 Degree Elbow Insulation Jacketing	54.25	5.94
22 07 19 00-0828	EA		7-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	55.11	6.08
22 07 19 00-0829	EA		8" ID, Aluminum 45 Degree Elbow Insulation Jacketing	55.40	6.16
22 07 19 00-0830	EA		8-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	63.53	6.31
22 07 19 00-0831	EA		9" ID, Aluminum 45 Degree Elbow Insulation Jacketing	64.17	6.47
22 07 19 00-0832	EA		9-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	79.37	6.55
22 07 19 00-0833	EA		10" ID, Aluminum 45 Degree Elbow Insulation Jacketing	79.73	6.64
22 07 19 00-0834	EA		10-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	76.64	6.73
22 07 19 00-0835	EA		11" ID, Aluminum 45 Degree Elbow Insulation Jacketing	77.00	6.82
22 07 19 00-0836	EA		11-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	87.77	7.01
22 07 19 00-0837	EA		12" ID, Aluminum 45 Degree Elbow Insulation Jacketing	88.16	7.10
22 07 19 00-0838	EA		13" ID, Aluminum 45 Degree Elbow Insulation Jacketing	99.80	7.43
22 07 19 00-0839	EA		14" ID, Aluminum 45 Degree Elbow Insulation Jacketing	116.61	7.65
22 07 19 00-0840	EA		15" ID, Aluminum 45 Degree Elbow Insulation Jacketing	164.08	7.89
22 07 19 00-0841	EA		16" ID, Aluminum 45 Degree Elbow Insulation Jacketing	175.72	8.01
22 07 19 00-0842	EA		17" ID, Aluminum 45 Degree Elbow Insulation Jacketing	172.86	8.14
22 07 19 00-0843	EA		18" ID, Aluminum 45 Degree Elbow Insulation Jacketing	193.13	8.27
22 07 19 00-0844	EA		19" ID, Aluminum 45 Degree Elbow Insulation Jacketing	229.13	8.41
22 07 19 00-0845	EA		20" ID, Aluminum 45 Degree Elbow Insulation Jacketing	223.26	8.55
22 07 19 00-0846	EA		21" ID, Aluminum 45 Degree Elbow Insulation Jacketing	238.90	8.70
22 07 19 00-0847	EA		2-1/2" ID, Aluminum Tee Insulation Jacketing	105.33	5.74
22 07 19 00-0848	EA		2-3/4" ID, Aluminum Tee Insulation Jacketing	105.87	5.87
22 07 19 00-0849	EA		3" ID, Aluminum Tee Insulation Jacketing	117.11	6.01
22 07 19 00-0850	EA		3-1/4" ID, Aluminum Tee Insulation Jacketing	117.69	6.16
22 07 19 00-0851	EA		3-1/2" ID Aluminum Tee Insulation Jacketing	122.78	6.31
22 07 19 00-0852	EA		4" ID, Aluminum Tee Insulation Jacketing	124.47	6.47
22 07 19 00-0853	EA		4-1/4" ID, Aluminum Tee Insulation Jacketing	130.85	6.64
22 07 19 00-0854	EA		4-1/2" ID, Aluminum Tee Insulation Jacketing	130.70	6.82
22 07 19 00-0855	EA		4-3/4" ID, Aluminum Tee Insulation Jacketing	131.46	7.01
22 07 19 00-0856	EA		5" ID, Aluminum Tee Insulation Jacketing	136.13	7.21
22 07 19 00-0857	EA		5-1/4" ID, Aluminum Tee Insulation Jacketing	136.98	7.43
22 07 19 00-0858	EA		5-1/2" ID, Aluminum Tee Insulation Jacketing	142.62	7.65
22 07 19 00-0859	EA		6" ID, Aluminum Tee Insulation Jacketing	143.58	7.89
22 07 19 00-0860	EA		6-1/2" ID, Aluminum Tee Insulation Jacketing	156.72	8.41
22 07 19 00-0861	EA		7" ID, Aluminum Tee Insulation Jacketing	157.88	8.70
22 07 19 00-0862	EA		7-1/2" ID, Aluminum Tee Insulation Jacketing	172.91	9.02
22 07 19 00-0863	EA		8" ID, Aluminum Tee Insulation Jacketing	174.24	9.35
22 07 19 00-0864	EA		8-1/2" ID, Aluminum Tee Insulation Jacketing	179.29	9.70
22 07 19 00-0865	EA		9" ID, Aluminum Tee Insulation Jacketing	180.84	10.09
22 07 19 00-0866	EA		9-1/2" ID, Aluminum Tee Insulation Jacketing	145.45	10.30
22 07 19 00-0867	EA		10" ID, Aluminum Tee Insulation Jacketing	146.30	10.52
22 07 19 00-0868	EA		10-1/2" ID, Aluminum Tee Insulation Jacketing	153.99	10.74
22 07 19 00-0869	EA		11" ID, Aluminum Tee Insulation Jacketing	154.93	10.97
22 07 19 00-0870	EA		11-1/2" ID, Aluminum Tee Insulation Jacketing	161.96	11.21
22 07 19 00-0871	EA		12" ID, Aluminum Tee Insulation Jacketing	162.98	11.47
22 07 19 00-0872	EA		13" ID, Aluminum Tee Insulation Jacketing	169.87	11.73
22 07 19 00-0873	EA		14" ID, Aluminum Tee Insulation Jacketing	177.01	12.02
22 07 19 00-0874	EA		15" ID, Aluminum Tee Insulation Jacketing	188.71	12.31
22 07 19 00-0875	EA		16" ID, Aluminum Tee Insulation Jacketing	193.44	12.62
22 07 19 00-0876	EA		17" ID, Aluminum Tee Insulation Jacketing	216.14	12.94
22 07 19 00-0877	EA		18" ID, Aluminum Tee Insulation Jacketing	223.89	13.28
22 07 19 00-0878	EA		19" ID, Aluminum Tee Insulation Jacketing	243.41	13.64
22 07 19 00-0879	EA		20" ID, Aluminum Tee Insulation Jacketing	249.05	14.02
22 07 19 00-0880	EA		22" ID, Aluminum Tee Insulation Jacketing	303.16	14.42
22 07 19 00-0881	EA		23" ID, Aluminum Tee Insulation Jacketing	311.68	14.84
22 07 19 00-0882	EA		24" ID, Aluminum Tee Insulation Jacketing	323.99	16.28
22 07 19 00-0883			Stainless Steel Insulation Protective Jacketing With Bands (22 07 19 00-0510)		
22 07 19 00-0884			Type 304 Stainless Steel Roll, Insulation Protective Jacketing With Bands (22 07 19 00-0883)		
22 07 19 00-0885	SF		0.010" Stainless Steel Insulation Jacket With Bands	23.87	9.46
22 07 19 00-0886	SF		0.016" Stainless Steel Insulation Jacket With Bands	29.35	11.35
22 07 19 00-0887			10 Mil, Type 304 Stainless Steel, Insulation Protective Jacketing With Moisture Barrier And Bands (22 07 19 00-0883)		
22 07 19 00-0888	LF		2-1/2" ID, 0.010" Stainless Steel Insulation Jacketing	12.24	2.02
22 07 19 00-0889	LF		2-3/4" ID, 0.010" Stainless Steel Insulation Jacketing	12.78	2.06
22 07 19 00-0890	LF		3" ID, 0.010" Stainless Steel Insulation Jacketing	13.32	2.10
22 07 19 00-0891	LF		3-1/4" ID, 0.010" Stainless Steel Insulation Jacketing	13.88	2.14
22 07 19 00-0892	LF		3-1/2" ID, 0.010" Stainless Steel Insulation Jacketing	14.44	2.19
22 07 19 00-0893	LF		3-3/4" ID, 0.010" Stainless Steel Insulation Jacketing	15.01	2.24
22 07 19 00-0894	LF		4" ID, 0.010" Stainless Steel Insulation Jacketing	15.58	2.29
22 07 19 00-0895	LF		4-1/4" ID, 0.010" Stainless Steel Insulation Jacketing	16.16	2.34
22 07 19 00-0896	LF		4-1/2" ID, 0.010" Stainless Steel Insulation Jacketing	16.74	2.41
22 07 19 00-0897	LF		5" ID, 0.010" Stainless Steel Insulation Jacketing	17.98	2.53
22 07 19 00-0898	LF		5-1/2" ID, 0.010" Stainless Steel Insulation Jacketing	19.25	2.66
22 07 19 00-0899	LF		6" ID, 0.010" Stainless Steel Insulation Jacketing	20.57	2.81
22 07 19 00-0900	LF		6-1/2" ID, 0.010" Stainless Steel Insulation Jacketing	21.63	2.89

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 07 19 00-0901	LF	7" ID, 0.010" Stainless Steel Insulation Jacketing.....	22.72	2.97
22 07 19 00-0902	LF	7-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	23.90	3.08
22 07 19 00-0903	LF	8" ID, 0.010" Stainless Steel Insulation Jacketing.....	24.86	3.14
22 07 19 00-0904	LF	8-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	25.84	3.19
22 07 19 00-0905	LF	9" ID, 0.010" Stainless Steel Insulation Jacketing.....	26.83	3.26
22 07 19 00-0906	LF	9-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	27.83	3.32
22 07 19 00-0907	LF	10" ID, 0.010" Stainless Steel Insulation Jacketing.....	28.84	3.39
22 07 19 00-0908	LF	10-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	29.87	3.46
22 07 19 00-0909	LF	11" ID, 0.010" Stainless Steel Insulation Jacketing.....	30.90	3.53
22 07 19 00-0910	LF	12" ID, 0.010" Stainless Steel Insulation Jacketing.....	32.98	3.68
22 07 19 00-0911	LF	13" ID, 0.010" Stainless Steel Insulation Jacketing.....	35.04	3.82
22 07 19 00-0912	LF	14" ID, 0.010" Stainless Steel Insulation Jacketing.....	36.74	3.88

22 07 19 00-0913 16 Mil, Type 304 Stainless Steel, Insulation Protective Jacketing With Moisture Barrier And Bands

(22 07 19 00-0883)

22 07 19 00-0914	LF	2-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	16.79	2.69
22 07 19 00-0915	LF	2-3/4" ID, 0.016" Stainless Steel Insulation Jacketing.....	17.54	2.74
22 07 19 00-0916	LF	3" ID, 0.016" Stainless Steel Insulation Jacketing.....	18.31	2.80
22 07 19 00-0917	LF	3-1/4" ID, 0.016" Stainless Steel Insulation Jacketing.....	19.09	2.86
22 07 19 00-0918	LF	3-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	19.88	2.92
22 07 19 00-0919	LF	3-3/4" ID, 0.016" Stainless Steel Insulation Jacketing.....	20.67	2.98
22 07 19 00-0920	LF	4" ID, 0.016" Stainless Steel Insulation Jacketing.....	21.49	3.05
22 07 19 00-0921	LF	4-1/4" ID, 0.016" Stainless Steel Insulation Jacketing.....	22.30	3.12
22 07 19 00-0922	LF	4-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	23.14	3.20
22 07 19 00-0923	LF	5" ID, 0.016" Stainless Steel Insulation Jacketing.....	24.86	3.36
22 07 19 00-0924	LF	5-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	26.63	3.53
22 07 19 00-0925	LF	6" ID, 0.016" Stainless Steel Insulation Jacketing.....	28.48	3.73
22 07 19 00-0926	LF	6-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	29.99	3.83
22 07 19 00-0927	LF	7" ID, 0.016" Stainless Steel Insulation Jacketing.....	31.53	3.94
22 07 19 00-0928	LF	7-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	33.17	4.10
22 07 19 00-0929	LF	8" ID, 0.016" Stainless Steel Insulation Jacketing.....	34.54	4.17
22 07 19 00-0930	LF	8-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	35.94	4.25
22 07 19 00-0931	LF	9" ID, 0.016" Stainless Steel Insulation Jacketing.....	37.35	4.33
22 07 19 00-0932	LF	9-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	38.76	4.42
22 07 19 00-0933	LF	10" ID, 0.016" Stainless Steel Insulation Jacketing.....	40.19	4.51
22 07 19 00-0934	LF	10-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	41.65	4.60
22 07 19 00-0935	LF	11" ID, 0.0106 Stainless Steel Insulation Jacketing.....	43.10	4.69
22 07 19 00-0936	LF	12" ID, 0.016" Stainless Steel Insulation Jacketing.....	46.06	4.90
22 07 19 00-0937	LF	13" ID, 0.016" Stainless Steel Insulation Jacketing.....	48.96	5.08
22 07 19 00-0938	LF	14" ID, 0.016" Stainless Steel Insulation Jacketing.....	51.41	5.16

22 07 19 00-0939 Type 316 Stainless Steel Insulation Protective Jacketing For Fittings

(22 07 19 00-0883)

22 07 19 00-0940	EA	2-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	34.45	4.01
22 07 19 00-0941	EA	2-3/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	34.84	4.11
22 07 19 00-0942	EA	3" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	36.10	4.21
22 07 19 00-0943	EA	3-1/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	36.53	4.32
22 07 19 00-0944	EA	3-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	37.79	4.39
22 07 19 00-0945	EA	3-3/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	39.25	4.47
22 07 19 00-0946	EA	4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	41.87	4.59
22 07 19 00-0947	EA	4-1/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	49.95	4.67
22 07 19 00-0948	EA	4-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	50.29	4.76
22 07 19 00-0949	EA	5" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	51.76	4.95
22 07 19 00-0950	EA	5-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	68.47	5.20
22 07 19 00-0951	EA	6" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	74.26	5.48
22 07 19 00-0952	EA	6-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	95.22	5.80
22 07 19 00-0953	EA	7" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	95.76	5.94
22 07 19 00-0954	EA	7-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	108.40	6.08
22 07 19 00-0955	EA	8" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	109.32	6.31
22 07 19 00-0956	EA	8-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	112.18	6.31
22 07 19 00-0957	EA	9" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	158.12	6.47
22 07 19 00-0958	EA	9-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	156.15	6.55
22 07 19 00-0959	EA	10" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	156.51	6.64
22 07 19 00-0960	EA	10-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	182.39	6.73
22 07 19 00-0961	EA	11" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	175.69	6.82
22 07 19 00-0962	EA	12" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	196.92	7.10
22 07 19 00-0963	EA	13" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	263.13	7.43
22 07 19 00-0964	EA	14" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	265.60	7.65
22 07 19 00-0965	EA	2-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	31.38	4.01
22 07 19 00-0966	EA	2-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	31.77	4.11
22 07 19 00-0967	EA	3" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	33.35	4.21
22 07 19 00-0968	EA	3-1/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	33.78	4.32
22 07 19 00-0969	EA	3-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	34.28	4.39
22 07 19 00-0970	EA	3-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	34.59	4.47
22 07 19 00-0971	EA	4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	39.87	4.59
22 07 19 00-0972	EA	4-1/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	48.89	4.67
22 07 19 00-0973	EA	4-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	49.23	4.76
22 07 19 00-0974	EA	4-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	49.60	4.85
22 07 19 00-0975	EA	5" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	50.50	4.95
22 07 19 00-0976	EA	5-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	51.52	5.20
22 07 19 00-0977	EA	6" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	58.36	5.48
22 07 19 00-0978	EA	6-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	59.63	5.80
22 07 19 00-0979	EA	7" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	85.38	5.94

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0980	EA	7-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	87.22	6.08
22 07 19 00-0981	EA	8" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	87.51	6.16
22 07 19 00-0982	EA	8-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	98.84	6.31
22 07 19 00-0983	EA	9" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	99.48	6.47
22 07 19 00-0984	EA	9-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	112.62	6.55
22 07 19 00-0985	EA	10" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	112.98	6.64
22 07 19 00-0986	EA	10-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	130.77	6.73
22 07 19 00-0987	EA	11" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	131.13	6.82
22 07 19 00-0988	EA	12" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	141.21	7.10
22 07 19 00-0989	EA	13" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	162.40	7.43
22 07 19 00-0990		Polyvinyl Chloride (PVC) Insulation Protective Jacketing (22 07 19 00-0510)		
22 07 19 00-0991		20 Mil Polyvinyl Chloride (PVC) Insulation Protective Jacketing (22 07 19 00-0990)		
22 07 19 00-0992	LF	1-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	8.69	1.87
22 07 19 00-0993	LF	2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	9.38	1.94
22 07 19 00-0994	LF	2-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	9.99	2.02
22 07 19 00-0995	LF	3" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	10.73	2.10
22 07 19 00-0996	LF	3-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	11.40	2.19
22 07 19 00-0997	LF	4" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	12.15	2.29
22 07 19 00-0998	LF	4-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	12.94	2.41
22 07 19 00-0999	LF	5" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	13.72	2.53
22 07 19 00-1000	LF	5-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	14.61	2.66
22 07 19 00-1001	LF	6" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	15.54	2.81
22 07 19 00-1002	LF	6-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	16.22	2.89
22 07 19 00-1003	LF	7" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	16.86	2.97
22 07 19 00-1004	LF	7-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	17.70	3.08
22 07 19 00-1005	LF	8" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	18.23	3.14
22 07 19 00-1006	LF	8-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	18.83	3.19
22 07 19 00-1007	LF	9" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	19.42	3.26
22 07 19 00-1008	LF	9-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	20.03	3.32
22 07 19 00-1009	LF	10" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	20.61	3.39
22 07 19 00-1010	LF	10-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	21.24	3.46
22 07 19 00-1011	LF	11" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	21.88	3.53
22 07 19 00-1012	LF	11-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	22.53	3.60
22 07 19 00-1013	LF	12" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	23.15	3.68
22 07 19 00-1014	LF	12-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	23.88	3.76
22 07 19 00-1015	LF	13" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	24.42	3.82
22 07 19 00-1016	LF	13-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	24.77	3.82
22 07 19 00-1017	LF	14" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	25.36	3.88
22 07 19 00-1018	LF	15" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	26.30	3.94
22 07 19 00-1019	LF	16" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	27.21	4.01
22 07 19 00-1020	LF	17" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	28.17	4.07
22 07 19 00-1021	LF	18" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	29.14	4.14
22 07 19 00-1022	LF	19" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	30.08	4.21
22 07 19 00-1023	LF	20" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	31.07	4.28
22 07 19 00-1024	LF	21" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	32.01	4.35
22 07 19 00-1025	LF	22" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	33.03	4.43
22 07 19 00-1026	LF	23" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	34.00	4.51
22 07 19 00-1027	LF	24" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	35.04	4.59
22 07 19 00-1028	LF	25" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	36.09	4.67
22 07 19 00-1029	LF	26" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	37.08	4.76
22 07 19 00-1030	LF	27" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	38.16	4.85
22 07 19 00-1031	LF	28" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	39.19	4.95
22 07 19 00-1032	LF	29" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	40.30	5.05
22 07 19 00-1033	LF	30" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	41.41	5.15
22 07 19 00-1034		30 Mil Polyvinyl Chloride (PVC) Insulation Protective Jacketing (22 07 19 00-0990)		
22 07 19 00-1035	LF	2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	10.14	1.94
22 07 19 00-1036	LF	2-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	10.94	2.02
22 07 19 00-1037	LF	3" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	11.84	2.10
22 07 19 00-1038	LF	3-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	12.66	2.19
22 07 19 00-1039	LF	4" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	13.56	2.29
22 07 19 00-1040	LF	4-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	14.50	2.41
22 07 19 00-1041	LF	5" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	15.48	2.53
22 07 19 00-1042	LF	5-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	16.53	2.66
22 07 19 00-1043	LF	6" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	17.61	2.81
22 07 19 00-1044	LF	6-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	18.43	2.89
22 07 19 00-1045	LF	7" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	19.28	2.97
22 07 19 00-1046	LF	7-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	20.27	3.08
22 07 19 00-1047	LF	8" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	21.01	3.14
22 07 19 00-1048	LF	8-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	21.75	3.19
22 07 19 00-1049	LF	9" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	22.49	3.26
22 07 19 00-1050	LF	9-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	23.26	3.32
22 07 19 00-1051	LF	10" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	24.03	3.39
22 07 19 00-1052	LF	10-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	24.82	3.46
22 07 19 00-1053	LF	11" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	25.61	3.53
22 07 19 00-1054	LF	11-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	26.41	3.60
22 07 19 00-1055	LF	12" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	27.23	3.68
22 07 19 00-1056	LF	12-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	28.11	3.76
22 07 19 00-1057	LF	13" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	28.86	3.82
22 07 19 00-1058	LF	13-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	29.36	3.82
22 07 19 00-1059	LF	14" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	30.09	3.88

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 07 19 00-1060	LF	15" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	31.34	3.94
22 07 19 00-1061	LF	16" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	32.60	4.01
22 07 19 00-1062	LF	17" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	33.87	4.07
22 07 19 00-1063	LF	18" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	35.19	4.14
22 07 19 00-1064	LF	19" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	36.48	4.21
22 07 19 00-1065	LF	20" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	37.77	4.28
22 07 19 00-1066	LF	21" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	39.07	4.35
22 07 19 00-1067	LF	22" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	40.39	4.43
22 07 19 00-1068	LF	23" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	41.71	4.51
22 07 19 00-1069	LF	24" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	43.05	4.59
22 07 19 00-1070	LF	25" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	44.45	4.67
22 07 19 00-1071	LF	26" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	45.80	4.76
22 07 19 00-1072	LF	27" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	47.18	4.85
22 07 19 00-1073	LF	28" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	48.57	4.95
22 07 19 00-1074	LF	29" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	49.97	5.05
22 07 19 00-1075	LF	30" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	51.39	5.15

22 07 19 00-1076 Polyvinyl Chloride (PVC) Insulation Protective Jacketing For Fittings (22 07 19 00-

0990)

22 07 19 00-1077	EA	1-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	17.72	3.74
22 07 19 00-1078	EA	2" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	18.96	3.88
22 07 19 00-1079	EA	2-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	19.60	3.94
22 07 19 00-1080	EA	2-1/2" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	20.25	4.01
22 07 19 00-1081	EA	2-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	21.00	4.11
22 07 19 00-1082	EA	3" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	21.67	4.21
22 07 19 00-1083	EA	3-3/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	22.89	4.35
22 07 19 00-1084	EA	3-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	24.01	4.47
22 07 19 00-1085	EA	4-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	26.12	4.59
22 07 19 00-1086	EA	4-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	28.60	4.81
22 07 19 00-1087	EA	5-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	31.13	5.05
22 07 19 00-1088	EA	5-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	35.66	5.31
22 07 19 00-1089	EA	6-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	46.47	5.61
22 07 19 00-1090	EA	6-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	48.51	5.80
22 07 19 00-1091	EA	7-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	55.45	5.94
22 07 19 00-1092	EA	7-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	57.58	6.08
22 07 19 00-1093	EA	8-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	68.03	6.31
22 07 19 00-1094	EA	9-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	83.36	6.55
22 07 19 00-1095	EA	10-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	91.08	6.82
22 07 19 00-1096	EA	11-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	101.55	7.10
22 07 19 00-1097	EA	12-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	122.01	7.43
22 07 19 00-1098	EA	14-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	136.11	7.65
22 07 19 00-1099	EA	15-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	144.93	7.89
22 07 19 00-1100	EA	16-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	155.81	8.01
22 07 19 00-1101	EA	17-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	169.89	8.14
22 07 19 00-1102	EA	18-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	210.24	8.27
22 07 19 00-1103	EA	19-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	274.13	8.41
22 07 19 00-1104	EA	20-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	343.28	8.55
22 07 19 00-1105	EA	1-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	17.72	3.74
22 07 19 00-1106	EA	2" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	18.96	3.88
22 07 19 00-1107	EA	2-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	19.60	3.94
22 07 19 00-1108	EA	2-1/2" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	20.25	4.01
22 07 19 00-1109	EA	2-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	21.00	4.11
22 07 19 00-1110	EA	3" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	21.67	4.21
22 07 19 00-1111	EA	3-3/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	22.89	4.35
22 07 19 00-1112	EA	3-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	24.01	4.47
22 07 19 00-1113	EA	4-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	26.12	4.59
22 07 19 00-1114	EA	4-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	28.60	4.81
22 07 19 00-1115	EA	5-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	31.13	5.05
22 07 19 00-1116	EA	5-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	35.66	5.31
22 07 19 00-1117	EA	6-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	46.47	5.61
22 07 19 00-1118	EA	6-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	48.51	5.80
22 07 19 00-1119	EA	7-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	55.45	5.94
22 07 19 00-1120	EA	7-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	57.58	6.08
22 07 19 00-1121	EA	8-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	68.03	6.31
22 07 19 00-1122	EA	9-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	83.36	6.55
22 07 19 00-1123	EA	10-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	91.03	6.82
22 07 19 00-1124	EA	11-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	98.73	7.10
22 07 19 00-1125	EA	12-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	108.15	7.43
22 07 19 00-1126	EA	14-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	120.23	7.65
22 07 19 00-1127	EA	15-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	127.74	7.89
22 07 19 00-1128	EA	16-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	141.90	8.01
22 07 19 00-1129	EA	17-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	156.28	8.14
22 07 19 00-1130	EA	18-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	184.28	8.27
22 07 19 00-1131	EA	19-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	239.87	8.41
22 07 19 00-1132	EA	20-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	267.79	8.55
22 07 19 00-1133	EA	1-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	26.27	5.25
22 07 19 00-1134	EA	2" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	27.42	5.37
22 07 19 00-1135	EA	2-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	28.63	5.54
22 07 19 00-1136	EA	2-1/2" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	30.00	5.74
22 07 19 00-1137	EA	2-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	31.51	5.94
22 07 19 00-1138	EA	3" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	33.03	6.16
22 07 19 00-1139	EA	3-3/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	35.23	6.39
22 07 19 00-1140	EA	3-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	37.56	6.64
22 07 19 00-1141	EA	4-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	40.65	6.91
22 07 19 00-1142	EA	4-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	45.02	7.21

MINOR		CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1143	EA	5-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	49.58	7.54	
22 07 19 00-1144	EA	5-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	57.89	8.01	
22 07 19 00-1145	EA	6-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	67.62	8.41	
22 07 19 00-1146	EA	6-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	76.24	8.55	
22 07 19 00-1147	EA	7-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	103.34	8.86	
22 07 19 00-1148	EA	7-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	111.86	9.35	
22 07 19 00-1149	EA	8-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	129.43	9.70	
22 07 19 00-1150	EA	9-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	147.21	10.09	
22 07 19 00-1151	EA	10-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	150.15	10.52	
22 07 19 00-1152	EA	11-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	163.04	10.74	
22 07 19 00-1153	EA	12-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	175.98	10.97	
22 07 19 00-1154	EA	14-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	189.04	11.21	
22 07 19 00-1155	EA	15-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	202.00	11.47	
22 07 19 00-1156	EA	16-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	215.11	11.73	
22 07 19 00-1157	EA	17-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	228.12	12.02	
22 07 19 00-1158	EA	18-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	247.44	12.31	
22 07 19 00-1159	EA	19-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	266.71	12.62	
22 07 19 00-1160	EA	20-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	290.03	12.94	
22 07 19 00-1161	EA	3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	36.34	3.60	
22 07 19 00-1162	EA	1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	36.34	3.60	
22 07 19 00-1163	EA	1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	42.72	3.74	
22 07 19 00-1164	EA	1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	42.72	3.74	
22 07 19 00-1165	EA	2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	59.32	3.88	
22 07 19 00-1166	EA	2-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	64.78	4.04	
22 07 19 00-1167	EA	3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	71.31	4.21	
22 07 19 00-1168	EA	3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	80.59	4.39	
22 07 19 00-1169	EA	4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	88.61	4.59	
22 07 19 00-1170	EA	5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	107.52	5.05	
22 07 19 00-1171	EA	6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	151.44	5.61	
22 07 19 00-1172	EA	8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	165.74	6.31	
22 07 19 00-1173	EA	10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	206.68	6.73	
22 07 19 00-1174	EA	12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	288.22	7.43	
22 07 19 00-1175	EA	14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	290.04	7.77	
22 07 19 00-1176	EA	16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	384.25	8.01	
22 07 19 00-1177	EA	18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	517.50	8.27	
22 07 19 00-1178	EA	3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	33.92	3.60	
22 07 19 00-1179	EA	1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	33.92	3.60	
22 07 19 00-1180	EA	1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	39.79	3.74	
22 07 19 00-1181	EA	1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	39.79	3.74	
22 07 19 00-1182	EA	2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	54.54	3.88	
22 07 19 00-1183	EA	2-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	59.44	4.04	
22 07 19 00-1184	EA	3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	65.46	4.21	
22 07 19 00-1185	EA	3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	68.85	4.39	
22 07 19 00-1186	EA	4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	80.85	4.59	
22 07 19 00-1187	EA	5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	97.90	5.05	
22 07 19 00-1188	EA	6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	137.28	5.61	
22 07 19 00-1189	EA	8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	150.22	6.31	
22 07 19 00-1190	EA	10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	186.92	6.73	
22 07 19 00-1191	EA	12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	259.94	7.43	
22 07 19 00-1192	EA	14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	330.56	7.77	
22 07 19 00-1193	EA	16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	394.88	8.01	
22 07 19 00-1194	EA	18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	461.36	8.27	
22 07 19 00-1195	EA	3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	50.28	5.42	
22 07 19 00-1196	EA	1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	50.28	5.42	
22 07 19 00-1197	EA	1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	58.51	5.61	
22 07 19 00-1198	EA	1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	58.51	5.61	
22 07 19 00-1199	EA	2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	80.11	5.80	
22 07 19 00-1200	EA	2-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	87.33	6.01	
22 07 19 00-1201	EA	3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	96.04	6.31	
22 07 19 00-1202	EA	3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	101.25	6.55	
22 07 19 00-1203	EA	4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	119.27	6.91	
22 07 19 00-1204	EA	5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	131.07	7.54	
22 07 19 00-1205	EA	6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	182.97	8.41	
22 07 19 00-1206	EA	8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	199.25	9.35	
22 07 19 00-1207	EA	10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	274.10	10.09	
22 07 19 00-1208	EA	12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	379.87	10.97	
22 07 19 00-1209	EA	14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	452.77	11.73	
22 07 19 00-1210	EA	16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	534.88	12.02	
22 07 19 00-1211	EA	18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	585.54	12.31	

22 07 19 00-1212 Flexible Elastomeric Unicellular Insulation (22 07 19)
 Note: For refrigeration piping. For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.

22 07 19 00-1213 3/8" Wall Flexible Elastomeric Unicellular Insulation (22 07 19 00-1212)		
22 07 19 00-1214 LF 3/8" I.D. (1/2" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	9.21	3.77
For Work In Restricted Working Space, Add	2.27	
22 07 19 00-1215 LF 1/2" I.D. (5/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	9.74	3.91
For Work In Restricted Working Space, Add	2.35	
22 07 19 00-1216 LF 3/4" I.D. (7/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	10.22	4.05
For Work In Restricted Working Space, Add	2.43	
22 07 19 00-1217 LF 1" I.D. (1-1/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	10.63	4.12
For Work In Restricted Working Space, Add	2.46	
22 07 19 00-1218 LF 1-1/4" I.D. (1-3/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	11.09	4.18
For Work In Restricted Working Space, Add	2.51	

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
22 07 19 00-1219	LF 1-1/2" I.D. (1-5/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation..... <i>For Work In Restricted Working Space, Add</i>	11.79 2.52		4.21	
22 07 19 00-1220	LF 2" I.D. (2-1/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	12.65 2.58		4.32	
22 07 19 00-1221	LF 2-1/2" I.D. (2-5/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	14.78 2.60		4.34	
22 07 19 00-1222	LF 3" I.D. (3-1/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	16.30 2.64		4.41	
22 07 19 00-1223 1/2" Wall Flexible Elastomeric Unicellular Insulation (22 07 19 00-1212)					
22 07 19 00-1224	LF 3/8" I.D. (1/2" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	10.62 2.43		4.05	
22 07 19 00-1225	LF 1/2" I.D. (5/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	11.13 2.51		4.18	
22 07 19 00-1226	LF 3/4" I.D. (7/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	11.50 2.52		4.18	
22 07 19 00-1227	LF 1" I.D. (1-1/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	12.08 2.58		4.31	
22 07 19 00-1228	LF 1-1/4" I.D. (1-3/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	12.55 2.62		4.38	
22 07 19 00-1229	LF 1-1/2" I.D. (1-5/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	13.27 2.67		4.44	
22 07 19 00-1230	LF 2" I.D. (2-1/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	14.61 2.70		4.51	
22 07 19 00-1231	LF 2-1/2" I.D. (2-5/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	16.84 2.78		4.64	
22 07 19 00-1232	LF 3" I.D. (3-1/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	18.29 2.82		4.71	
22 07 19 00-1233	LF 3-1/2" I.D. (3-5/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	21.24 2.86		4.77	
22 07 19 00-1234	LF 4" I.D. (4-1/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	22.63 2.90		4.83	
22 07 19 00-1235 3/4" Wall Flexible Elastomeric Unicellular Insulation (22 07 19 00-1212)					
22 07 19 00-1236	LF 3/8" I.D. (1/2" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	12.69 2.65		4.42	
22 07 19 00-1237	LF 1/2" I.D. (5/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	13.50 2.78		4.64	
22 07 19 00-1238	LF 3/4" I.D. (7/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	14.45 2.82		4.71	
22 07 19 00-1239	LF 1" I.D. (1-1/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	15.83 2.90		4.84	
22 07 19 00-1240	LF 1-1/4" I.D. (1-3/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	16.83 2.94		4.91	
22 07 19 00-1241	LF 1-1/2" I.D. (1-5/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	19.27 2.98		4.97	
22 07 19 00-1242	LF 2" I.D. (2-1/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	21.37 3.01		5.01	
22 07 19 00-1243	LF 2-1/2" I.D. (2-5/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	24.53 3.06		5.11	
22 07 19 00-1244	LF 3" I.D. (3-1/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	26.73 3.10		5.17	
22 07 19 00-1245	LF 3-1/2" I.D. (3-5/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	30.35 3.14		5.23	
22 07 19 00-1246	LF 4" I.D. (4-1/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	32.01 3.18		5.30	
22 07 19 00-1247 1" Wall Flexible Elastomeric Unicellular Insulation (22 07 19 00-1212)					
22 07 19 00-1248	LF 3/8" I.D. (1/2" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	16.88 2.94		4.91	
22 07 19 00-1249	LF 1/2" I.D. (5/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	17.74 3.06		5.11	
22 07 19 00-1250	LF 3/4" I.D. (7/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	19.63 3.10		5.17	
22 07 19 00-1251	LF 1" I.D. (1-1/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	21.90 3.18		5.30	
22 07 19 00-1252	LF 1-1/4" I.D. (1-3/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	23.96 3.26		5.43	
22 07 19 00-1253	LF 1-1/2" I.D. (1-5/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	25.50 3.30		5.50	
22 07 19 00-1254	LF 2" I.D. (2-1/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	28.59 3.34		5.56	
22 07 19 00-1255	LF 2-1/2" I.D. (2-5/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	36.04 3.42		5.71	
22 07 19 00-1256	LF 3" I.D. (3-1/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	41.41 3.46		5.77	
22 07 19 00-1257	LF 3-1/2" I.D. (3-5/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	44.31 3.50		5.83	
22 07 19 00-1258	LF 4" I.D. (4-1/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	50.26 3.58		5.97	
22 07 19 00-1259	Insulation Foam Rubber (22 07 19)				
22 07 19 00-1260	Covering 4x6 Sheet (22 07 19 00-1259)				

		Plumbing	22	22
		Plumbing Insulation	22 07	
		Plumbing Piping Insulation	22 07 19	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST
				DEMOLITION UNIT COST

22 07 19 00-1261	SF	1" Thick Foam Rubber Sheet Insulation	26.02	8.96
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22 10 Plumbing Piping⁽²²⁾

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which exclude the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks.

22 11 Facility Water Distribution^(22 10)

22 11 16 Domestic Water Piping^(22 11)

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which exclude the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks. See CSI section 23 21 13 00-0000 for black steel piping and fitting.

22 11 16 00-0001		Galvanized Steel Pipe Assemblies ^(22 11 16)		
Note: (ASTM A-53) Threaded and coupled. Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Includes cutting and threading to length where necessary. Not for use where detail is available.				
22 11 16 00-0002	LF	1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly	21.55	4.58
Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.				
For ASTM 120, Deduct			-0.96	
For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add			5.90	
For Work In Restricted Working Space, Add			4.55	
22 11 16 00-0003	LF	3/4" Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly	23.88	4.92
Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.				
For ASTM 120, Deduct			-1.17	
For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add			6.73	
For Work In Restricted Working Space, Add			4.82	
22 11 16 00-0004	LF	1" Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly	27.50	5.38
Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.				
For ASTM 120, Deduct			-1.55	
For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add			8.08	
For Work In Restricted Working Space, Add			5.15	
22 11 16 00-0005	LF	1-1/4" Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly	32.83	5.61
Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.				
For ASTM 120, Deduct			-2.19	
For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add			10.22	
For Work In Restricted Working Space, Add			5.47	
22 11 16 00-0006	LF	1-1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly	35.58	6.64
Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.				
For ASTM 120, Deduct			-2.49	
For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add			11.26	
For Work In Restricted Working Space, Add			5.70	
22 11 16 00-0007	LF	2" Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly	43.18	8.00
Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.				
For ASTM 120, Deduct			-3.23	
For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add			14.02	
For Work In Restricted Working Space, Add			6.49	
22 11 16 00-0008	LF	2-1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly	61.90	9.49
Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.				
For ASTM 120, Deduct			-5.48	
For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add			21.52	
For Work In Restricted Working Space, Add			7.61	
22 11 16 00-0009	LF	3" Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly	77.41	12.70
Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.				
For ASTM 120, Deduct			-7.00	
For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add			27.15	
For Work In Restricted Working Space, Add			9.22	
22 11 16 00-0010	LF	4" Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly	111.65	14.29
Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.				
For ASTM 120, Deduct			-11.74	
For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add			41.90	
For Work In Restricted Working Space, Add			10.02	
22 11 16 00-0011	LF	5" Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly	191.72	18.27
Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.				
For ASTM 120, Deduct			-22.71	
For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add			76.19	
For Work In Restricted Working Space, Add			12.10	
22 11 16 00-0012	LF	6" Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly	217.94	21.60
Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.				
For ASTM 120, Deduct			-25.82	
For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add			86.62	
For Work In Restricted Working Space, Add			13.75	

22 11 16 00-0013 Galvanized Steel Pipe And Threaded Fittings^(22 11 16)

Note: (ASTM A-53) Threaded and coupled, schedule 40. Excludes hangers, elbow, tee, or reducer fittings.

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 11 16 00-0014 Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe (22 11 16 00-0013)			
Note: ASTM A-53. Welded pipe has a weld bead on the inside. Includes coupling. Includes cutting and threading to length where necessary.			
22 11 16 00-0015	LF 1/2" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	10.79	4.58
	For ASTM 120, Deduct	-0.58	
	For Schedule 80 Pipe, Add	2.54	
	For Work In Restricted Working Space, Add	2.08	
22 11 16 00-0016	LF 3/4" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	12.47	4.92
	For ASTM 120, Deduct	-0.76	
	For Schedule 80 Pipe, Add	3.18	
	For Work In Restricted Working Space, Add	2.21	
22 11 16 00-0017	LF 1" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	15.56	5.38
	For ASTM 120, Deduct	-1.13	
	For Schedule 80 Pipe, Add	4.43	
	For Work In Restricted Working Space, Add	2.40	
22 11 16 00-0018	LF 1-1/4" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	18.71	5.61
	For ASTM 120, Deduct	-1.53	
	For Schedule 80 Pipe, Add	5.76	
	For Work In Restricted Working Space, Add	2.54	
22 11 16 00-0019	LF 1-1/2" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	22.18	6.64
	For ASTM 120, Deduct	-1.83	
	For Schedule 80 Pipe, Add	6.87	
	For Work In Restricted Working Space, Add	2.99	
22 11 16 00-0020	LF 2" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	28.47	8.00
	For ASTM 120, Deduct	-2.46	
	For Schedule 80 Pipe, Add	9.09	
	For Work In Restricted Working Space, Add	3.61	
22 11 16 00-0021	LF 2-1/2" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	40.36	9.49
	For ASTM 120, Deduct	-3.91	
	For Schedule 80 Pipe, Add	13.94	
	For Work In Restricted Working Space, Add	4.29	
22 11 16 00-0022	LF 3" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	53.18	12.70
	For ASTM 120, Deduct	-5.12	
	For Schedule 80 Pipe, Add	18.28	
	For Work In Restricted Working Space, Add	5.72	
22 11 16 00-0023	LF 4" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	70.06	14.29
	For ASTM 120, Deduct	-7.28	
	For Schedule 80 Pipe, Add	25.46	
	For Work In Restricted Working Space, Add	6.45	
22 11 16 00-0024	LF 5" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	92.48	18.27
	For ASTM 120, Deduct	-9.77	
	For Schedule 80 Pipe, Add	34.00	
	For Work In Restricted Working Space, Add	8.21	
22 11 16 00-0025	LF 6" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	116.84	21.60
	For ASTM 120, Deduct	-12.67	
	For Schedule 80 Pipe, Add	43.79	
	For Work In Restricted Working Space, Add	9.71	
22 11 16 00-0026	LF 8" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	130.36	26.11
	For ASTM 120, Deduct	-13.69	
	For Schedule 80 Pipe, Add	47.72	
	For Work In Restricted Working Space, Add	11.72	
22 11 16 00-0027 Seamless, Threaded And Coupled, Galvanized Steel Pipe (22 11 16 00-0013)			
Note: ASTM A-53. Includes coupling. Includes cutting and threading to length where necessary.			
22 11 16 00-0028	LF 1/2" Schedule 40, Seamless, Threaded Galvanized Steel Pipe.....	15.52	4.58
	For ASTM 120, Deduct	-1.29	
	For Schedule 80 Pipe, Add	4.81	
	For Work In Restricted Working Space, Add	2.08	
22 11 16 00-0029	LF 3/4" Schedule 40, Seamless, Threaded Galvanized Steel Pipe.....	17.66	4.92
	For ASTM 120, Deduct	-1.54	
	For Schedule 80 Pipe, Add	5.67	
	For Work In Restricted Working Space, Add	2.21	
22 11 16 00-0030	LF 1" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	19.96	5.38
	For ASTM 120, Deduct	-1.79	
	For Schedule 80 Pipe, Add	6.54	
	For Work In Restricted Working Space, Add	2.40	
22 11 16 00-0031	LF 1-1/4" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	23.51	5.61
	For ASTM 120, Deduct	-2.25	
	For Schedule 80 Pipe, Add	8.06	
	For Work In Restricted Working Space, Add	2.54	
22 11 16 00-0032	LF 1-1/2" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	27.11	6.64
	For ASTM 120, Deduct	-2.57	
	For Schedule 80 Pipe, Add	9.23	
	For Work In Restricted Working Space, Add	2.99	
22 11 16 00-0033	LF 2" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	31.58	8.00
	For ASTM 120, Deduct	-2.93	
	For Schedule 80 Pipe, Add	10.58	
	For Work In Restricted Working Space, Add	3.61	
22 11 16 00-0034	LF 2-1/2" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	47.01	9.49
	For ASTM 120, Deduct	-4.91	
	For Schedule 80 Pipe, Add	17.13	
	For Work In Restricted Working Space, Add	4.29	
22 11 16 00-0035	LF 3" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	59.07	12.70
	For ASTM 120, Deduct	-6.00	
	For Schedule 80 Pipe, Add	21.11	
	For Work In Restricted Working Space, Add	5.72	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0036	LF	4" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	78.68	14.29
		For ASTM 120, Deduct	-8.58	
		For Schedule 80 Pipe, Add	29.60	
		For Work In Restricted Working Space, Add	6.45	
22 11 16 00-0037	LF	5" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	101.98	18.27
		For ASTM 120, Deduct	-11.19	
		For Schedule 80 Pipe, Add	38.56	
		For Work In Restricted Working Space, Add	8.21	
22 11 16 00-0038	LF	6" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	127.82	21.60
		For ASTM 120, Deduct	-14.32	
		For Schedule 80 Pipe, Add	49.06	
		For Work In Restricted Working Space, Add	9.71	
22 11 16 00-0039 Galvanized Malleable Iron 90 Degree Elbows (22 11 16 00-0013)				
22 11 16 00-0040	EA	1/2", 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	34.33	20.37
		For ASTM 120, Deduct	-0.57	
		For 300 Lb. Rating, Add	14.82	
		For Work In Restricted Working Space, Add	9.15	
22 11 16 00-0041	EA	3/4", 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	38.84	22.77
		For ASTM 120, Deduct	-0.70	
		For 300 Lb. Rating, Add	18.00	
		For Work In Restricted Working Space, Add	10.25	
22 11 16 00-0042	EA	1", 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	46.82	25.40
		For ASTM 120, Deduct	-1.30	
		For 300 Lb. Rating, Add	31.80	
		For Work In Restricted Working Space, Add	11.44	
22 11 16 00-0043	EA	1-1/4", 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	56.89	28.84
		For ASTM 120, Deduct	-2.06	
		For 300 Lb. Rating, Add	49.24	
		For Work In Restricted Working Space, Add	12.95	
22 11 16 00-0044	EA	1-1/2", 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	66.60	32.49
		For ASTM 120, Deduct	-2.69	
		For 300 Lb. Rating, Add	63.82	
		For Work In Restricted Working Space, Add	14.61	
22 11 16 00-0045	EA	2", 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	91.19	41.30
		For ASTM 120, Deduct	-4.40	
		For 300 Lb. Rating, Add	103.47	
		For Work In Restricted Working Space, Add	18.56	
22 11 16 00-0046	EA	2-1/2", 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	168.30	61.10
		For ASTM 120, Deduct	-11.52	
		For 300 Lb. Rating, Add	266.51	
		For Work In Restricted Working Space, Add	27.46	
22 11 16 00-0047	EA	3", 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	247.00	80.33
		For ASTM 120, Deduct	-18.98	
		For 300 Lb. Rating, Add	437.53	
		For Work In Restricted Working Space, Add	36.13	
22 11 16 00-0048	EA	4", 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	348.62	83.61
		For ASTM 120, Deduct	-33.48	
		For 300 Lb. Rating, Add	766.51	
		For Work In Restricted Working Space, Add	37.62	
22 11 16 00-0049	EA	5", 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	1,094.86	87.27
		For ASTM 120, Deduct	-144.60	
		For 300 Lb. Rating, Add	3,285.52	
		For Work In Restricted Working Space, Add	39.25	
22 11 16 00-0050	EA	6", 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	1,025.51	91.24
		For ASTM 120, Deduct	-133.31	
		For 300 Lb. Rating, Add	3,029.86	
		For Work In Restricted Working Space, Add	41.04	
22 11 16 00-0051	EA	8", 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	1,215.12	95.35
		For ASTM 120, Deduct	-160.83	
		For 300 Lb. Rating, Add	3,653.99	
		For Work In Restricted Working Space, Add	42.88	
22 11 16 00-0052 Galvanized Malleable Iron Reducing 90 Degree Elbows (22 11 16 00-0013)				
22 11 16 00-0053	EA	3/4" x 1/2", 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	40.48	21.51
		For ASTM 120, Deduct	-1.22	
		For Work In Restricted Working Space, Add	9.70	
22 11 16 00-0054	EA	1" x 3/4", 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	46.61	24.14
		For ASTM 120, Deduct	-1.57	
		For Work In Restricted Working Space, Add	10.85	
22 11 16 00-0055	EA	1" x 1/2", 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	45.42	22.89
		For ASTM 120, Deduct	-1.67	
		For Work In Restricted Working Space, Add	10.30	
22 11 16 00-0056	EA	1-1/4" x 1", 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	58.21	27.11
		For ASTM 120, Deduct	-2.63	
		For Work In Restricted Working Space, Add	12.20	
22 11 16 00-0057	EA	1-1/4" x 3/4", 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	59.74	25.75
		For ASTM 120, Deduct	-3.16	
		For Work In Restricted Working Space, Add	11.60	
22 11 16 00-0058	EA	1-1/4" x 1/2", 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	59.17	24.60
		For ASTM 120, Deduct	-3.35	
		For Work In Restricted Working Space, Add	11.05	
22 11 16 00-0059	EA	1-1/2" x 1-1/4", 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	73.97	30.67
		For ASTM 120, Deduct	-4.21	
		For Work In Restricted Working Space, Add	13.78	
22 11 16 00-0060	EA	1-1/2" x 1", 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	71.46	28.95
		For ASTM 120, Deduct	-4.21	
		For Work In Restricted Working Space, Add	13.03	

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 11 16 00-0061	EA	1-1/2" x 3/4", 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow.....	69.46	27.58
		<i>For ASTM 120, Deduct</i>	-4.21	
		<i>For Work In Restricted Working Space, Add</i>	12.43	
22 11 16 00-0062	EA	2" x 1-1/2", 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow.....	88.03	36.84
		<i>For ASTM 120, Deduct</i>	-4.91	
		<i>For Work In Restricted Working Space, Add</i>	16.58	
22 11 16 00-0063	EA	2" x 1-1/4", 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow.....	90.06	35.01
		<i>For ASTM 120, Deduct</i>	-5.63	
		<i>For Work In Restricted Working Space, Add</i>	15.75	
22 11 16 00-0064	EA	2" x 1", 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow.....	88.96	33.30
		<i>For ASTM 120, Deduct</i>	-5.85	
		<i>For Work In Restricted Working Space, Add</i>	15.00	
22 11 16 00-0065	EA	2" x 3/4", 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow.....	77.56	32.04
		<i>For ASTM 120, Deduct</i>	-4.43	
		<i>For Work In Restricted Working Space, Add</i>	14.40	
22 11 16 00-0066	EA	2-1/2" x 2", 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow.....	187.73	51.15
		<i>For ASTM 120, Deduct</i>	-16.66	
		<i>For Work In Restricted Working Space, Add</i>	23.01	
22 11 16 00-0067	EA	2-1/2" x 1-1/2", 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	193.83	46.80
		<i>For ASTM 120, Deduct</i>	-18.56	
		<i>For Work In Restricted Working Space, Add</i>	21.04	
22 11 16 00-0068	EA	3" x 2-1/2", 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow.....	307.79	70.71
		<i>For ASTM 120, Deduct</i>	-30.27	
		<i>For Work In Restricted Working Space, Add</i>	31.79	
22 11 16 00-0069	EA	3" x 2", 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow.....	266.43	60.75
		<i>For ASTM 120, Deduct</i>	-26.29	
		<i>For Work In Restricted Working Space, Add</i>	27.35	
22 11 16 00-0070	EA	4" x 3", 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow.....	575.93	79.53
		<i>For ASTM 120, Deduct</i>	-68.50	
		<i>For Work In Restricted Working Space, Add</i>	35.78	

22 11 16 00-0071 Galvanized Malleable Iron 45 Degree Elbow (22 11 16 00-0013)

22 11 16 00-0072	EA	1/2", 150 Lb., Galvanized Malleable Iron 45 Degree Elbow.....	35.84	20.37
		<i>For ASTM 120, Deduct</i>	-0.80	
		<i>For 300 Lb. Rating, Add</i>	19.95	
		<i>For Work In Restricted Working Space, Add</i>	9.15	
22 11 16 00-0073	EA	3/4", 150 Lb., Galvanized Malleable Iron 45 Degree Elbow.....	41.81	22.77
		<i>For ASTM 120, Deduct</i>	-1.15	
		<i>For 300 Lb. Rating, Add</i>	28.09	
		<i>For Work In Restricted Working Space, Add</i>	10.25	
22 11 16 00-0074	EA	1", 150 Lb., Galvanized Malleable Iron 45 Degree Elbow.....	46.79	25.40
		<i>For ASTM 120, Deduct</i>	-1.30	
		<i>For 300 Lb. Rating, Add</i>	31.70	
		<i>For Work In Restricted Working Space, Add</i>	11.44	
22 11 16 00-0075	EA	1-1/4", 150 Lb., Galvanized Malleable Iron 45 Degree Elbow.....	59.33	28.84
		<i>For ASTM 120, Deduct</i>	-2.42	
		<i>For 300 Lb. Rating, Add</i>	57.53	
		<i>For Work In Restricted Working Space, Add</i>	12.95	
22 11 16 00-0076	EA	1-1/2", 150 Lb., Galvanized Malleable Iron 45 Degree Elbow.....	67.68	32.49
		<i>For ASTM 120, Deduct</i>	-2.85	
		<i>For 300 Lb. Rating, Add</i>	67.49	
		<i>For Work In Restricted Working Space, Add</i>	14.61	
22 11 16 00-0077	EA	2", 150 Lb., Galvanized Malleable Iron 45 Degree Elbow.....	89.95	41.30
		<i>For ASTM 120, Deduct</i>	-4.22	
		<i>For 300 Lb. Rating, Add</i>	99.25	
		<i>For Work In Restricted Working Space, Add</i>	18.56	
22 11 16 00-0078	EA	2-1/2", 150 Lb., Galvanized Malleable Iron 45 Degree Elbow.....	189.28	61.10
		<i>For ASTM 120, Deduct</i>	-14.66	
		<i>For 300 Lb. Rating, Add</i>	337.84	
		<i>For Work In Restricted Working Space, Add</i>	27.46	
22 11 16 00-0079	EA	3", 150 Lb., Galvanized Malleable Iron 45 Degree Elbow.....	262.61	80.33
		<i>For ASTM 120, Deduct</i>	-21.33	
		<i>For 300 Lb. Rating, Add</i>	490.60	
		<i>For Work In Restricted Working Space, Add</i>	36.13	
22 11 16 00-0080	EA	4", 150 Lb., Galvanized Malleable Iron 45 Degree Elbow.....	363.74	83.61
		<i>For ASTM 120, Deduct</i>	-35.75	
		<i>For 300 Lb. Rating, Add</i>	817.91	
		<i>For Work In Restricted Working Space, Add</i>	37.62	
22 11 16 00-0081	EA	5", 150 Lb., Galvanized Malleable Iron 45 Degree Elbow.....	1,093.96	87.27
		<i>For ASTM 120, Deduct</i>	-144.47	
		<i>For 300 Lb. Rating, Add</i>	3,282.46	
		<i>For Work In Restricted Working Space, Add</i>	39.25	
22 11 16 00-0082	EA	6", 150 Lb., Galvanized Malleable Iron 45 Degree Elbow.....	1,298.08	91.24
		<i>For ASTM 120, Deduct</i>	-174.19	
		<i>For 300 Lb. Rating, Add</i>	3,956.59	
		<i>For Work In Restricted Working Space, Add</i>	41.04	
22 11 16 00-0083	EA	8", 150 Lb., Galvanized Malleable Iron 45 Degree Elbow.....	1,541.96	95.35
		<i>For ASTM 120, Deduct</i>	-209.85	
		<i>For 300 Lb. Rating, Add</i>	4,765.24	
		<i>For Work In Restricted Working Space, Add</i>	42.88	

22 11 16 00-0084 Galvanized Malleable Iron Tees (22 11 16 00-0013)

22 11 16 00-0085	EA	1/2", 150 Lb., Galvanized Malleable Iron Tee.....	43.08	25.40
		<i>For ASTM 120, Deduct</i>	-0.74	
		<i>For 300 Lb. Rating, Add</i>	19.08	
		<i>For Work In Restricted Working Space, Add</i>	11.44	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0086	EA	3/4"	150 Lb., Galvanized Malleable Iron Tee.....	52.16	29.41
			For ASTM 120, Deduct	-1.22	
			For 300 Lb. Rating, Add	30.35	
			For Work In Restricted Working Space, Add	13.20	
22 11 16 00-0087	EA	1"	150 Lb., Galvanized Malleable Iron Tee.....	65.18	34.67
			For ASTM 120, Deduct	-1.98	
			For 300 Lb. Rating, Add	47.93	
			For Work In Restricted Working Space, Add	15.60	
22 11 16 00-0088	EA	1-1/4"	150 Lb., Galvanized Malleable Iron Tee.....	82.77	41.30
			For ASTM 120, Deduct	-3.14	
			For 300 Lb. Rating, Add	74.84	
			For Work In Restricted Working Space, Add	18.56	
22 11 16 00-0089	EA	1-1/2"	150 Lb., Galvanized Malleable Iron Tee.....	99.83	49.21
			For ASTM 120, Deduct	-3.90	
			For 300 Lb. Rating, Add	92.86	
			For Work In Restricted Working Space, Add	22.15	
22 11 16 00-0090	EA	2"	150 Lb., Galvanized Malleable Iron Tee.....	133.80	61.10
			For ASTM 120, Deduct	-6.34	
			For 300 Lb. Rating, Add	149.21	
			For Work In Restricted Working Space, Add	27.46	
22 11 16 00-0091	EA	2-1/2"	150 Lb., Galvanized Malleable Iron Tee.....	218.51	66.36
			For ASTM 120, Deduct	-17.85	
			For 300 Lb. Rating, Add	410.60	
			For Work In Restricted Working Space, Add	29.85	
22 11 16 00-0092	EA	3"	150 Lb., Galvanized Malleable Iron Tee.....	260.00	80.33
			For ASTM 120, Deduct	-20.93	
			For 300 Lb. Rating, Add	481.73	
			For Work In Restricted Working Space, Add	36.13	
22 11 16 00-0093	EA	4"	150 Lb., Galvanized Malleable Iron Tee.....	488.55	105.65
			For ASTM 120, Deduct	-49.52	
			For 300 Lb. Rating, Add	1,132.05	
			For Work In Restricted Working Space, Add	47.52	
22 11 16 00-0094	EA	5"	150 Lb., Galvanized Malleable Iron Tee.....	1,225.89	125.42
			For ASTM 120, Deduct	-155.67	
			For 300 Lb. Rating, Add	3,539.84	
			For Work In Restricted Working Space, Add	56.42	
22 11 16 00-0095	EA	6"	150 Lb., Galvanized Malleable Iron Tee.....	1,392.07	143.37
			For ASTM 120, Deduct	-176.57	
			For 300 Lb. Rating, Add	4,015.11	
			For Work In Restricted Working Space, Add	64.49	
22 11 16 00-0096	EA	8"	150 Lb., Galvanized Malleable Iron Tee.....	1,656.58	170.24
			For ASTM 120, Deduct	-209.80	
			For 300 Lb. Rating, Add	4,770.85	
			For Work In Restricted Working Space, Add	77.38	
22 11 16 00-0097			Galvanized Malleable Iron Reducing Tee (22 11 16 00-0013)		
22 11 16 00-0098	EA	1/2"	150 Lb., Galvanized Malleable Iron Reducing Tee.....	49.63	25.40
			For ASTM 120, Deduct	-1.72	
			For 300 Lb. Rating, Add	41.35	
			For Work In Restricted Working Space, Add	11.44	
22 11 16 00-0099	EA	3/4"	150 Lb., Galvanized Malleable Iron Reducing Tee.....	55.34	29.41
			For ASTM 120, Deduct	-1.70	
			For 300 Lb. Rating, Add	41.16	
			For Work In Restricted Working Space, Add	13.20	
22 11 16 00-0100	EA	1"	150 Lb., Galvanized Malleable Iron Reducing Tee.....	67.93	34.67
			For ASTM 120, Deduct	-2.39	
			For 300 Lb. Rating, Add	57.28	
			For Work In Restricted Working Space, Add	15.60	
22 11 16 00-0101	EA	1-1/4"	150 Lb., Galvanized Malleable Iron Reducing Tee.....	86.55	41.30
			For ASTM 120, Deduct	-3.71	
			For 300 Lb. Rating, Add	87.69	
			For Work In Restricted Working Space, Add	18.56	
22 11 16 00-0102	EA	1-1/2"	150 Lb., Galvanized Malleable Iron Reducing Tee.....	104.32	49.21
			For ASTM 120, Deduct	-4.58	
			For 300 Lb. Rating, Add	108.13	
			For Work In Restricted Working Space, Add	22.15	
22 11 16 00-0103	EA	2"	150 Lb., Galvanized Malleable Iron Reducing Tee.....	136.07	61.10
			For ASTM 120, Deduct	-6.68	
			For 300 Lb. Rating, Add	156.93	
			For Work In Restricted Working Space, Add	27.46	
22 11 16 00-0104	EA	2-1/2"	150 Lb., Galvanized Malleable Iron Reducing Tee.....	257.11	66.59
			For ASTM 120, Deduct	-23.60	
			For 300 Lb. Rating, Add	540.81	
			For Work In Restricted Working Space, Add	29.94	
22 11 16 00-0105	EA	3"	150 Lb., Galvanized Malleable Iron Reducing Tee.....	326.34	81.59
			For ASTM 120, Deduct	-30.60	
			For 300 Lb. Rating, Add	700.94	
			For Work In Restricted Working Space, Add	36.70	
22 11 16 00-0106	EA	4"	150 Lb., Galvanized Malleable Iron Reducing Tee.....	749.76	105.65
			For ASTM 120, Deduct	-88.71	
			For 300 Lb. Rating, Add	2,020.16	
			For Work In Restricted Working Space, Add	47.52	
22 11 16 00-0107	EA	5"	150 Lb., Galvanized Malleable Iron Reducing Tee.....	1,559.46	125.42
			For ASTM 120, Deduct	-205.71	
			For 300 Lb. Rating, Add	4,673.98	
			For Work In Restricted Working Space, Add	56.42	

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
22 11 16 00-0108	EA 6", 150 Lb., Galvanized Malleable Iron Reducing Tee For ASTM 120, Deduct For 300 Lb. Rating, Add For Work In Restricted Working Space, Add	1,770.74 -233.37 5,302.58 64.49		143.37	
22 11 16 00-0109	EA 8", 150 Lb., Galvanized Malleable Iron Reducing Tee For ASTM 120, Deduct For 300 Lb. Rating, Add For Work In Restricted Working Space, Add	2,123.07 -281.38 6,392.82 74.16		164.63	
22 11 16 00-0110 Galvanized Malleable Iron Couplings (22 11 16 00-0013)					
22 11 16 00-0111	EA 1/2", 150 Lb., Galvanized Malleable Iron Coupling For ASTM 120, Deduct For 300 Lb. Rating, Add For Work In Restricted Working Space, Add	39.33 -1.32 31.82 9.15		20.37	
22 11 16 00-0112	EA 3/4", 150 Lb., Galvanized Malleable Iron Coupling For ASTM 120, Deduct For 300 Lb. Rating, Add For Work In Restricted Working Space, Add	44.32 -1.53 36.63 10.25		22.77	
22 11 16 00-0113	EA 1", 150 Lb., Galvanized Malleable Iron Coupling For ASTM 120, Deduct For 300 Lb. Rating, Add For Work In Restricted Working Space, Add	54.80 -2.50 58.93 11.44		25.40	
22 11 16 00-0114	EA 1-1/4", 150 Lb., Galvanized Malleable Iron Coupling For ASTM 120, Deduct For 300 Lb. Rating, Add For Work In Restricted Working Space, Add	66.67 -3.53 82.49 12.95		28.84	
22 11 16 00-0115	EA 1-1/2", 150 Lb., Galvanized Malleable Iron Coupling For ASTM 120, Deduct For 300 Lb. Rating, Add For Work In Restricted Working Space, Add	75.40 -4.01 93.74 14.61		32.49	
22 11 16 00-0116	EA 2", 150 Lb., Galvanized Malleable Iron Coupling For ASTM 120, Deduct For 300 Lb. Rating, Add For Work In Restricted Working Space, Add	100.90 -5.86 136.48 18.56		41.30	
22 11 16 00-0117	EA 2-1/2", 150 Lb., Galvanized Malleable Iron Coupling For ASTM 120, Deduct For 300 Lb. Rating, Add For Work In Restricted Working Space, Add	211.07 -17.93 411.93 27.46		61.10	
22 11 16 00-0118	EA 3", 150 Lb., Galvanized Malleable Iron Coupling For ASTM 120, Deduct For 300 Lb. Rating, Add For Work In Restricted Working Space, Add	280.21 -23.97 550.44 36.13		80.33	
22 11 16 00-0119	EA 4", 150 Lb., Galvanized Malleable Iron Coupling For ASTM 120, Deduct For 300 Lb. Rating, Add For Work In Restricted Working Space, Add	464.71 -50.90 1,161.21 37.62		83.61	
22 11 16 00-0120	EA 5", 150 Lb., Galvanized Malleable Iron Coupling For ASTM 120, Deduct For 300 Lb. Rating, Add For Work In Restricted Working Space, Add	1,086.29 -143.32 3,256.38 39.25		87.27	
22 11 16 00-0121	EA 6", 150 Lb., Galvanized Malleable Iron Coupling For ASTM 120, Deduct For 300 Lb. Rating, Add For Work In Restricted Working Space, Add	1,225.31 -163.28 3,709.18 41.04		91.24	
22 11 16 00-0122	EA 8", 150 Lb., Galvanized Malleable Iron Coupling For ASTM 120, Deduct For 300 Lb. Rating, Add For Work In Restricted Working Space, Add	1,454.83 -196.78 4,469.00 42.88		95.35	
22 11 16 00-0123 Galvanized Malleable Iron Reducing Couplings (22 11 16 00-0013)					
22 11 16 00-0124	EA 1/2", 150 Lb., Galvanized Malleable Iron Reducing Coupling For ASTM 120, Deduct For 300 Lb. Rating, Add For Work In Restricted Working Space, Add	41.21 -1.61 38.21 9.15		20.37	
22 11 16 00-0125	EA 3/4", 150 Lb., Galvanized Malleable Iron Reducing Coupling For ASTM 120, Deduct For 300 Lb. Rating, Add For Work In Restricted Working Space, Add	45.59 -1.72 40.95 10.25		22.77	
22 11 16 00-0126	EA 1", 150 Lb., Galvanized Malleable Iron Reducing Coupling For ASTM 120, Deduct For 300 Lb. Rating, Add For Work In Restricted Working Space, Add	57.21 -2.86 67.13 11.44		25.40	
22 11 16 00-0127	EA 1-1/4", 150 Lb., Galvanized Malleable Iron Reducing Coupling For ASTM 120, Deduct For 300 Lb. Rating, Add For Work In Restricted Working Space, Add	67.83 -3.70 86.43 12.95		28.84	
22 11 16 00-0128	EA 1-1/2", 150 Lb., Galvanized Malleable Iron Reducing Coupling For ASTM 120, Deduct For 300 Lb. Rating, Add For Work In Restricted Working Space, Add	80.50 -4.77 111.08 14.61		32.49	
22 11 16 00-0129	EA 2", 150 Lb., Galvanized Malleable Iron Reducing Coupling For ASTM 120, Deduct For 300 Lb. Rating, Add For Work In Restricted Working Space, Add	105.23 -6.51 151.20 18.56		41.30	
22 11 16 00-0130	EA 2-1/2", 150 Lb., Galvanized Malleable Iron Reducing Coupling For ASTM 120, Deduct For 300 Lb. Rating, Add For Work In Restricted Working Space, Add	212.58 -18.16 417.06 27.46		61.10	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0131	EA	3", 150 Lb., Galvanized Malleable Iron Reducing Coupling	.....	275.68	80.33
		For ASTM 120, Deduct	.....	-23.29	
		For 300 Lb. Rating, Add	.....	535.04	
		For Work In Restricted Working Space, Add	.....	36.13	
22 11 16 00-0132	EA	4", 150 Lb., Galvanized Malleable Iron Reducing Coupling	.....	473.45	83.61
		For ASTM 120, Deduct	.....	-52.21	
		For 300 Lb. Rating, Add	.....	1,190.93	
		For Work In Restricted Working Space, Add	.....	37.62	
22 11 16 00-0133	EA	5", 150 Lb., Galvanized Malleable Iron Reducing Coupling	.....	1,136.58	87.27
		For ASTM 120, Deduct	.....	-150.86	
		For 300 Lb. Rating, Add	.....	3,427.37	
		For Work In Restricted Working Space, Add	.....	39.25	
22 11 16 00-0134	EA	6", 150 Lb., Galvanized Malleable Iron Reducing Coupling	.....	1,282.59	91.24
		For ASTM 120, Deduct	.....	-171.87	
		For 300 Lb. Rating, Add	.....	3,903.93	
		For Work In Restricted Working Space, Add	.....	41.04	
22 11 16 00-0135	EA	8", 150 Lb., Galvanized Malleable Iron Reducing Coupling	.....	1,524.39	95.35
		For ASTM 120, Deduct	.....	-207.22	
		For 300 Lb. Rating, Add	.....	4,705.51	
		For Work In Restricted Working Space, Add	.....	42.88	
22 11 16 00-0136 Galvanized Malleable Iron Caps (22 11 16 00-0013)					
22 11 16 00-0137	EA	1/2", 150 Lb., Galvanized Malleable Iron Cap	.....	16.68	9.49
		For ASTM 120, Deduct	.....	-0.36	
		For 300 Lb. Rating, Add	.....	8.95	
		For Work In Restricted Working Space, Add	.....	4.29	
22 11 16 00-0138	EA	3/4", 150 Lb., Galvanized Malleable Iron Cap	.....	18.54	10.18
		For ASTM 120, Deduct	.....	-0.49	
		For 300 Lb. Rating, Add	.....	12.10	
		For Work In Restricted Working Space, Add	.....	4.58	
22 11 16 00-0139	EA	1", 150 Lb., Galvanized Malleable Iron Cap	.....	21.68	11.78
		For ASTM 120, Deduct	.....	-0.61	
		For 300 Lb. Rating, Add	.....	14.93	
		For Work In Restricted Working Space, Add	.....	5.28	
22 11 16 00-0140	EA	1-1/4", 150 Lb., Galvanized Malleable Iron Cap	.....	23.83	12.35
		For ASTM 120, Deduct	.....	-0.81	
		For 300 Lb. Rating, Add	.....	19.37	
		For Work In Restricted Working Space, Add	.....	5.54	
22 11 16 00-0141	EA	1-1/2", 150 Lb., Galvanized Malleable Iron Cap	.....	23.49	12.35
		For ASTM 120, Deduct	.....	-0.75	
		For 300 Lb. Rating, Add	.....	18.21	
		For Work In Restricted Working Space, Add	.....	5.54	
22 11 16 00-0142	EA	2", 150 Lb., Galvanized Malleable Iron Cap	.....	35.38	16.36
		For ASTM 120, Deduct	.....	-1.62	
		For 300 Lb. Rating, Add	.....	38.09	
		For Work In Restricted Working Space, Add	.....	7.38	
22 11 16 00-0143	EA	2-1/2", 150 Lb., Galvanized Malleable Iron Cap	.....	54.68	20.37
		For ASTM 120, Deduct	.....	-3.63	
		For 300 Lb. Rating, Add	.....	84.01	
		For Work In Restricted Working Space, Add	.....	9.15	
22 11 16 00-0144	EA	3", 150 Lb., Galvanized Malleable Iron Cap	.....	71.31	24.60
		For ASTM 120, Deduct	.....	-5.16	
		For 300 Lb. Rating, Add	.....	119.17	
		For Work In Restricted Working Space, Add	.....	11.07	
22 11 16 00-0145	EA	4", 150 Lb., Galvanized Malleable Iron Cap	.....	107.31	28.69
		For ASTM 120, Deduct	.....	-9.65	
		For 300 Lb. Rating, Add	.....	221.27	
		For Work In Restricted Working Space, Add	.....	12.90	
22 11 16 00-0146	EA	5", 150 Lb., Galvanized Malleable Iron Cap	.....	267.25	35.90
		For ASTM 120, Deduct	.....	-32.03	
		For 300 Lb. Rating, Add	.....	729.16	
		For Work In Restricted Working Space, Add	.....	16.12	
22 11 16 00-0147	EA	6", 150 Lb., Galvanized Malleable Iron Cap	.....	333.12	42.66
		For ASTM 120, Deduct	.....	-40.36	
		For 300 Lb. Rating, Add	.....	918.75	
		For Work In Restricted Working Space, Add	.....	19.21	
22 11 16 00-0148	EA	8", 150 Lb., Galvanized Malleable Iron Cap	.....	420.20	47.67
		For ASTM 120, Deduct	.....	-52.31	
		For 300 Lb. Rating, Add	.....	1,189.97	
		For Work In Restricted Working Space, Add	.....	21.44	
22 11 16 00-0149 Galvanized Malleable Iron FIP Threaded, Unions (22 11 16 00-0013)					
22 11 16 00-0150	EA	1/2", 150 Lb., Galvanized Malleable Iron Union	.....	54.37	25.40
		For Work In Restricted Working Space, Add	.....	11.44	
22 11 16 00-0151	EA	3/4", 150 Lb., Galvanized Malleable Iron Union	.....	62.66	29.41
		For Work In Restricted Working Space, Add	.....	13.20	
22 11 16 00-0152	EA	1", 150 Lb., Galvanized Malleable Iron Union	.....	76.42	34.67
		For Work In Restricted Working Space, Add	.....	15.60	
22 11 16 00-0153	EA	1-1/4", 150 Lb., Galvanized Malleable Iron Union	.....	97.15	41.30
		For Work In Restricted Working Space, Add	.....	18.56	
22 11 16 00-0154	EA	1-1/2", 150 Lb., Galvanized Malleable Iron Union	.....	116.59	49.21
		For Work In Restricted Working Space, Add	.....	22.15	
22 11 16 00-0155	EA	2", 150 Lb., Galvanized Malleable Iron Union	.....	140.70	61.10
		For Work In Restricted Working Space, Add	.....	27.46	
22 11 16 00-0156	EA	2-1/2", 150 Lb., Galvanized Malleable Iron Union	.....	305.93	90.04
		For Work In Restricted Working Space, Add	.....	40.54	
22 11 16 00-0157	EA	3", 150 Lb., Galvanized Malleable Iron Union	.....	416.86	118.43
		For Work In Restricted Working Space, Add	.....	53.34	

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

22 11 16 00-0158	EA 1/2", 250 Lb., Galvanized Malleable Iron Union.....	71.14	25.40
	<i>For Work In Restricted Working Space, Add</i>	11.44	
22 11 16 00-0159	EA 3/4", 250 Lb., Galvanized Malleable Iron Union.....	73.99	29.41
	<i>For Work In Restricted Working Space, Add</i>	13.20	
22 11 16 00-0160	EA 1", 250 Lb., Galvanized Malleable Iron Union.....	89.17	34.67
	<i>For Work In Restricted Working Space, Add</i>	15.60	
22 11 16 00-0161	EA 1-1/4", 250 Lb., Galvanized Malleable Iron Union.....	118.13	41.30
	<i>For Work In Restricted Working Space, Add</i>	18.55	
22 11 16 00-0162	EA 1-1/2", 250 Lb., Galvanized Malleable Iron Union.....	138.62	49.21
	<i>For Work In Restricted Working Space, Add</i>	22.15	
22 11 16 00-0163	EA 2", 250 Lb., Galvanized Malleable Iron Union.....	183.05	61.10
	<i>For Work In Restricted Working Space, Add</i>	27.46	
22 11 16 00-0164	EA 2-1/2", 250 Lb., Galvanized Malleable Iron Union.....	375.87	90.04
	<i>For Work In Restricted Working Space, Add</i>	40.54	
22 11 16 00-0165	EA 3", 250 Lb., Galvanized Malleable Iron Union.....	547.16	118.43
	<i>For Work In Restricted Working Space, Add</i>	53.34	
22 11 16 00-0166	EA 4", 250 Lb., Galvanized Malleable Iron Union.....	764.50	123.38
	<i>For Work In Restricted Working Space, Add</i>	55.53	
22 11 16 00-0167	EA 1/2", 300 Lb., Galvanized Malleable Iron Union.....	75.74	25.40
	<i>For Work In Restricted Working Space, Add</i>	11.44	
22 11 16 00-0168	EA 3/4", 300 Lb., Galvanized Malleable Iron Union.....	84.78	29.41
	<i>For Work In Restricted Working Space, Add</i>	13.20	
22 11 16 00-0169	EA 1", 300 Lb., Galvanized Malleable Iron Union.....	106.08	34.67
	<i>For Work In Restricted Working Space, Add</i>	15.60	
22 11 16 00-0170	EA 1-1/4", 300 Lb., Galvanized Malleable Iron Union.....	137.25	41.30
	<i>For Work In Restricted Working Space, Add</i>	18.55	
22 11 16 00-0171	EA 1-1/2", 300 Lb., Galvanized Malleable Iron Union.....	164.63	49.21
	<i>For Work In Restricted Working Space, Add</i>	22.15	
22 11 16 00-0172	EA 2", 300 Lb., Galvanized Malleable Iron Union.....	200.52	61.10
	<i>For Work In Restricted Working Space, Add</i>	27.46	
22 11 16 00-0173	EA 2-1/2", 300 Lb., Galvanized Malleable Iron Union.....	439.16	90.04
	<i>For Work In Restricted Working Space, Add</i>	40.54	
22 11 16 00-0174	EA 3", 300 Lb., Galvanized Malleable Iron Union.....	691.99	118.43
	<i>For Work In Restricted Working Space, Add</i>	53.34	
22 11 16 00-0175	EA 4", 300 Lb., Galvanized Malleable Iron Union.....	1,474.69	123.38
	<i>For Work In Restricted Working Space, Add</i>	55.53	

22 11 16 00-0176 Galvanized Steel Nipples (22 11 16 00-0013)

Note: ASTM A-53.

22 11 16 00-0177	EA 3/8" x Close, Schedule 40 Galvanized Steel Nipple.....	19.32	10.87
	<i>For Schedule 80 Nipples, Add</i>	3.40	
	<i>For ASTM 120, Deduct</i>	-0.45	
	<i>For Work In Restricted Working Space, Add</i>	4.90	
22 11 16 00-0178	EA 1/2" x Close, Schedule 40 Galvanized Steel Nipple.....	18.75	10.87
	<i>For Schedule 80 Nipples, Add</i>	2.75	
	<i>For ASTM 120, Deduct</i>	-0.36	
	<i>For Work In Restricted Working Space, Add</i>	4.90	
22 11 16 00-0179	EA 3/4" x Close, Schedule 40 Galvanized Steel Nipple.....	19.27	10.87
	<i>For Schedule 80 Nipples, Add</i>	3.34	
	<i>For ASTM 120, Deduct</i>	-0.44	
	<i>For Work In Restricted Working Space, Add</i>	4.90	
22 11 16 00-0180	EA 1" x Close, Schedule 40 Galvanized Steel Nipple.....	21.62	11.78
	<i>For Schedule 80 Nipples, Add</i>	4.58	
	<i>For ASTM 120, Deduct</i>	-0.60	
	<i>For Work In Restricted Working Space, Add</i>	5.28	
22 11 16 00-0181	EA 1-1/4" x Close, Schedule 40 Galvanized Steel Nipple.....	24.47	12.70
	<i>For Schedule 80 Nipples, Add</i>	6.16	
	<i>For ASTM 120, Deduct</i>	-0.81	
	<i>For Work In Restricted Working Space, Add</i>	5.72	
22 11 16 00-0182	EA 1-1/2" x Close, Schedule 40 Galvanized Steel Nipple.....	25.40	12.70
	<i>For Schedule 80 Nipples, Add</i>	7.22	
	<i>For ASTM 120, Deduct</i>	-0.95	
	<i>For Work In Restricted Working Space, Add</i>	5.72	
22 11 16 00-0183	EA 2" x Close, Schedule 40 Galvanized Steel Nipple.....	33.53	16.36
	<i>For Schedule 80 Nipples, Add</i>	10.17	
	<i>For ASTM 120, Deduct</i>	-1.34	
	<i>For Work In Restricted Working Space, Add</i>	7.38	
22 11 16 00-0184	EA 2-1/2" x Close, Schedule 40 Galvanized Steel Nipple.....	57.07	20.37
	<i>For Schedule 80 Nipples, Add</i>	30.28	
	<i>For ASTM 120, Deduct</i>	-3.98	
	<i>For Work In Restricted Working Space, Add</i>	9.15	
22 11 16 00-0185	EA 3" x Close, Schedule 40 Galvanized Steel Nipple.....	68.74	24.60
	<i>For Schedule 80 Nipples, Add</i>	36.29	
	<i>For ASTM 120, Deduct</i>	-4.77	
	<i>For Work In Restricted Working Space, Add</i>	11.07	
22 11 16 00-0186	EA 4" x Close, Schedule 40 Galvanized Steel Nipple.....	90.70	28.69
	<i>For Schedule 80 Nipples, Add</i>	54.39	
	<i>For ASTM 120, Deduct</i>	-7.16	
	<i>For Work In Restricted Working Space, Add</i>	12.90	
22 11 16 00-0187	EA 3/8" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	19.76	10.87
	<i>For Schedule 80 Nipples, Add</i>	3.90	
	<i>For ASTM 120, Deduct</i>	-0.51	
	<i>For Work In Restricted Working Space, Add</i>	4.90	
22 11 16 00-0188	EA 1/2" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	18.88	10.87
	<i>For Schedule 80 Nipples, Add</i>	2.90	
	<i>For ASTM 120, Deduct</i>	-0.38	
	<i>For Work In Restricted Working Space, Add</i>	4.90	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0189	EA	3/4" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple	.....	19.53	10.87
		For Schedule 80 Nipples, Add	.....	3.64	
		For ASTM 120, Deduct	.....	-0.48	
		For Work In Restricted Working Space, Add	.....	4.90	
22 11 16 00-0190	EA	3/8" x 2" Long, Schedule 40 Galvanized Steel Nipple	.....	19.76	10.87
		For Schedule 80 Nipples, Add	.....	3.90	
		For ASTM 120, Deduct	.....	-0.51	
		For Work In Restricted Working Space, Add	.....	4.90	
22 11 16 00-0191	EA	1/2" x 2" Long, Schedule 40 Galvanized Steel Nipple	.....	18.88	10.87
		For Schedule 80 Nipples, Add	.....	2.90	
		For ASTM 120, Deduct	.....	-0.38	
		For Work In Restricted Working Space, Add	.....	4.90	
22 11 16 00-0192	EA	3/4" x 2" Long, Schedule 40 Galvanized Steel Nipple	.....	19.53	10.87
		For Schedule 80 Nipples, Add	.....	3.64	
		For ASTM 120, Deduct	.....	-0.48	
		For Work In Restricted Working Space, Add	.....	4.90	
22 11 16 00-0193	EA	1" x 2" Long, Schedule 40 Galvanized Steel Nipple	.....	22.35	11.78
		For Schedule 80 Nipples, Add	.....	5.42	
		For ASTM 120, Deduct	.....	-0.71	
		For Work In Restricted Working Space, Add	.....	5.28	
22 11 16 00-0194	EA	1-1/4" x 2" Long, Schedule 40 Galvanized Steel Nipple	.....	24.85	12.70
		For Schedule 80 Nipples, Add	.....	6.59	
		For ASTM 120, Deduct	.....	-0.87	
		For Work In Restricted Working Space, Add	.....	5.72	
22 11 16 00-0195	EA	1-1/2" x 2" Long, Schedule 40 Galvanized Steel Nipple	.....	25.87	12.70
		For Schedule 80 Nipples, Add	.....	7.75	
		For ASTM 120, Deduct	.....	-1.02	
		For Work In Restricted Working Space, Add	.....	5.72	
22 11 16 00-0196	EA	3/8" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	.....	20.91	10.87
		For Schedule 80 Nipples, Add	.....	5.21	
		For ASTM 120, Deduct	.....	-0.69	
		For Work In Restricted Working Space, Add	.....	4.90	
22 11 16 00-0197	EA	1/2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	.....	19.32	10.87
		For Schedule 80 Nipples, Add	.....	3.40	
		For ASTM 120, Deduct	.....	-0.45	
		For Work In Restricted Working Space, Add	.....	4.90	
22 11 16 00-0198	EA	3/4" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	.....	19.87	10.87
		For Schedule 80 Nipples, Add	.....	4.02	
		For ASTM 120, Deduct	.....	-0.53	
		For Work In Restricted Working Space, Add	.....	4.90	
22 11 16 00-0199	EA	1" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	.....	22.74	11.78
		For Schedule 80 Nipples, Add	.....	5.86	
		For ASTM 120, Deduct	.....	-0.77	
		For Work In Restricted Working Space, Add	.....	5.28	
22 11 16 00-0200	EA	1-1/4" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	.....	25.43	12.70
		For Schedule 80 Nipples, Add	.....	7.25	
		For ASTM 120, Deduct	.....	-0.95	
		For Work In Restricted Working Space, Add	.....	5.72	
22 11 16 00-0201	EA	1-1/2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	.....	26.64	12.70
		For Schedule 80 Nipples, Add	.....	8.63	
		For ASTM 120, Deduct	.....	-1.14	
		For Work In Restricted Working Space, Add	.....	5.72	
22 11 16 00-0202	EA	2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	.....	34.65	16.36
		For Schedule 80 Nipples, Add	.....	11.45	
		For ASTM 120, Deduct	.....	-1.51	
		For Work In Restricted Working Space, Add	.....	7.38	
22 11 16 00-0203	EA	3/8" x 3" Long, Schedule 40 Galvanized Steel Nipple	.....	20.91	10.87
		For Schedule 80 Nipples, Add	.....	5.21	
		For ASTM 120, Deduct	.....	-0.69	
		For Work In Restricted Working Space, Add	.....	4.90	
22 11 16 00-0204	EA	1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple	.....	19.32	10.87
		For Schedule 80 Nipples, Add	.....	3.40	
		For ASTM 120, Deduct	.....	-0.45	
		For Work In Restricted Working Space, Add	.....	4.90	
22 11 16 00-0205	EA	3/4" x 3" Long, Schedule 40 Galvanized Steel Nipple	.....	19.87	10.87
		For Schedule 80 Nipples, Add	.....	4.02	
		For ASTM 120, Deduct	.....	-0.53	
		For Work In Restricted Working Space, Add	.....	4.90	
22 11 16 00-0206	EA	1" x 3" Long, Schedule 40 Galvanized Steel Nipple	.....	22.74	11.78
		For Schedule 80 Nipples, Add	.....	5.86	
		For ASTM 120, Deduct	.....	-0.77	
		For Work In Restricted Working Space, Add	.....	5.28	
22 11 16 00-0207	EA	1-1/4" x 3" Long, Schedule 40 Galvanized Steel Nipple	.....	25.43	12.70
		For Schedule 80 Nipples, Add	.....	7.25	
		For ASTM 120, Deduct	.....	-0.95	
		For Work In Restricted Working Space, Add	.....	5.72	
22 11 16 00-0208	EA	1-1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple	.....	26.64	12.70
		For Schedule 80 Nipples, Add	.....	8.63	
		For ASTM 120, Deduct	.....	-1.14	
		For Work In Restricted Working Space, Add	.....	5.72	
22 11 16 00-0209	EA	2" x 3" Long, Schedule 40 Galvanized Steel Nipple	.....	34.65	16.36
		For Schedule 80 Nipples, Add	.....	11.45	
		For ASTM 120, Deduct	.....	-1.51	
		For Work In Restricted Working Space, Add	.....	7.38	
22 11 16 00-0210	EA	2-1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple	.....	58.09	20.37
		For Schedule 80 Nipples, Add	.....	31.44	
		For ASTM 120, Deduct	.....	-4.14	
		For Work In Restricted Working Space, Add	.....	9.15	

22 Plumbing
22 10 Plumbing Piping
22 11 Facility Water Distribution

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 11 16 00-0211	EA 3" x 3" Long, Schedule 40 Galvanized Steel Nipple	73.12	24.60
	For Schedule 80 Nipples, Add	41.28	
	For ASTM 120, Deduct	-5.43	
	For Work In Restricted Working Space, Add	11.07	
22 11 16 00-0212	EA 3/8" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	21.76	10.87
	For Schedule 80 Nipples, Add	6.18	
	For ASTM 120, Deduct	-0.81	
	For Work In Restricted Working Space, Add	4.90	
22 11 16 00-0213	EA 1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	20.02	10.87
	For Schedule 80 Nipples, Add	4.20	
	For ASTM 120, Deduct	-0.55	
	For Work In Restricted Working Space, Add	4.90	
22 11 16 00-0214	EA 3/4" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	20.91	10.87
	For Schedule 80 Nipples, Add	5.21	
	For ASTM 120, Deduct	-0.69	
	For Work In Restricted Working Space, Add	4.90	
22 11 16 00-0215	EA 1" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	23.77	11.78
	For Schedule 80 Nipples, Add	7.03	
	For ASTM 120, Deduct	-0.93	
	For Work In Restricted Working Space, Add	5.28	
22 11 16 00-0216	EA 1-1/4" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	26.64	12.70
	For Schedule 80 Nipples, Add	8.63	
	For ASTM 120, Deduct	-1.14	
	For Work In Restricted Working Space, Add	5.72	
22 11 16 00-0217	EA 1-1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	28.64	12.70
	For Schedule 80 Nipples, Add	10.91	
	For ASTM 120, Deduct	-1.44	
	For Work In Restricted Working Space, Add	5.72	
22 11 16 00-0218	EA 2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	36.80	16.36
	For Schedule 80 Nipples, Add	13.90	
	For ASTM 120, Deduct	-1.83	
	For Work In Restricted Working Space, Add	7.38	
22 11 16 00-0219	EA 2-1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	62.52	20.37
	For Schedule 80 Nipples, Add	36.49	
	For ASTM 120, Deduct	-4.80	
	For Work In Restricted Working Space, Add	9.15	
22 11 16 00-0220	EA 3" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	79.40	24.60
	For Schedule 80 Nipples, Add	48.44	
	For ASTM 120, Deduct	-6.37	
	For Work In Restricted Working Space, Add	11.07	
22 11 16 00-0221	EA 3/8" x 4" Long, Schedule 40 Galvanized Steel Nipple	21.76	10.87
	For Schedule 80 Nipples, Add	6.18	
	For ASTM 120, Deduct	-0.81	
	For Work In Restricted Working Space, Add	4.90	
22 11 16 00-0222	EA 1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple	20.02	10.87
	For Schedule 80 Nipples, Add	4.20	
	For ASTM 120, Deduct	-0.55	
	For Work In Restricted Working Space, Add	4.90	
22 11 16 00-0223	EA 3/4" x 4" Long, Schedule 40 Galvanized Steel Nipple	21.76	10.87
	For Schedule 80 Nipples, Add	6.18	
	For ASTM 120, Deduct	-0.81	
	For Work In Restricted Working Space, Add	4.90	
22 11 16 00-0224	EA 1" x 4" Long, Schedule 40 Galvanized Steel Nipple	23.77	11.78
	For Schedule 80 Nipples, Add	7.03	
	For ASTM 120, Deduct	-0.93	
	For Work In Restricted Working Space, Add	5.28	
22 11 16 00-0225	EA 1-1/4" x 4" Long, Schedule 40 Galvanized Steel Nipple	26.64	12.70
	For Schedule 80 Nipples, Add	8.63	
	For ASTM 120, Deduct	-1.14	
	For Work In Restricted Working Space, Add	5.72	
22 11 16 00-0226	EA 1-1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple	28.64	12.70
	For Schedule 80 Nipples, Add	10.91	
	For ASTM 120, Deduct	-1.44	
	For Work In Restricted Working Space, Add	5.72	
22 11 16 00-0227	EA 2" x 4" Long, Schedule 40 Galvanized Steel Nipple	36.91	16.36
	For Schedule 80 Nipples, Add	14.02	
	For ASTM 120, Deduct	-1.85	
	For Work In Restricted Working Space, Add	7.38	
22 11 16 00-0228	EA 2-1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple	62.52	20.37
	For Schedule 80 Nipples, Add	36.49	
	For ASTM 120, Deduct	-4.80	
	For Work In Restricted Working Space, Add	9.15	
22 11 16 00-0229	EA 3" x 4" Long, Schedule 40 Galvanized Steel Nipple	79.40	24.60
	For Schedule 80 Nipples, Add	48.44	
	For ASTM 120, Deduct	-6.37	
	For Work In Restricted Working Space, Add	11.07	
22 11 16 00-0230	EA 4" x 4" Long, Schedule 40 Galvanized Steel Nipple	100.03	28.69
	For Schedule 80 Nipples, Add	65.03	
	For ASTM 120, Deduct	-8.56	
	For Work In Restricted Working Space, Add	12.90	
22 11 16 00-0231	EA 3/8" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	23.81	10.87
	For Schedule 80 Nipples, Add	8.52	
	For ASTM 120, Deduct	-1.12	
	For Work In Restricted Working Space, Add	4.90	
22 11 16 00-0232	EA 1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	20.78	10.87
	For Schedule 80 Nipples, Add	5.06	
	For ASTM 120, Deduct	-0.67	
	For Work In Restricted Working Space, Add	4.90	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0233	EA		3/4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	21.79	10.87
			For Schedule 80 Nipples, Add	6.21	
			For ASTM 120, Deduct	-0.82	
			For Work In Restricted Working Space, Add	4.90	
22 11 16 00-0234	EA		1" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	25.17	11.78
			For Schedule 80 Nipples, Add	8.63	
			For ASTM 120, Deduct	-1.14	
			For Work In Restricted Working Space, Add	5.28	
22 11 16 00-0235	EA		1-1/4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	28.43	12.70
			For Schedule 80 Nipples, Add	10.67	
			For ASTM 120, Deduct	-1.40	
			For Work In Restricted Working Space, Add	5.72	
22 11 16 00-0236	EA		1-1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	30.64	12.70
			For Schedule 80 Nipples, Add	13.19	
			For ASTM 120, Deduct	-1.74	
			For Work In Restricted Working Space, Add	5.72	
22 11 16 00-0237	EA		2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	40.17	16.36
			For Schedule 80 Nipples, Add	17.74	
			For ASTM 120, Deduct	-2.33	
			For Work In Restricted Working Space, Add	7.38	
22 11 16 00-0238	EA		2-1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	66.20	20.37
			For Schedule 80 Nipples, Add	40.69	
			For ASTM 120, Deduct	-5.35	
			For Work In Restricted Working Space, Add	9.15	
22 11 16 00-0239	EA		3" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	86.43	24.60
			For Schedule 80 Nipples, Add	56.45	
			For ASTM 120, Deduct	-7.43	
			For Work In Restricted Working Space, Add	11.07	
22 11 16 00-0240	EA		4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	106.96	28.69
			For Schedule 80 Nipples, Add	72.93	
			For ASTM 120, Deduct	-9.60	
			For Work In Restricted Working Space, Add	12.90	
22 11 16 00-0241	EA		3/8" x 5" Long, Schedule 40 Galvanized Steel Nipple	23.81	10.87
			For Schedule 80 Nipples, Add	8.52	
			For ASTM 120, Deduct	-1.12	
			For Work In Restricted Working Space, Add	4.90	
22 11 16 00-0242	EA		1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple	20.78	10.87
			For Schedule 80 Nipples, Add	5.06	
			For ASTM 120, Deduct	-0.67	
			For Work In Restricted Working Space, Add	4.90	
22 11 16 00-0243	EA		3/4" x 5" Long, Schedule 40 Galvanized Steel Nipple	21.79	10.87
			For Schedule 80 Nipples, Add	6.21	
			For ASTM 120, Deduct	-0.82	
			For Work In Restricted Working Space, Add	4.90	
22 11 16 00-0244	EA		1" x 5" Long, Schedule 40 Galvanized Steel Nipple	25.17	11.78
			For Schedule 80 Nipples, Add	8.63	
			For ASTM 120, Deduct	-1.14	
			For Work In Restricted Working Space, Add	5.28	
22 11 16 00-0245	EA		1-1/4" x 5" Long, Schedule 40 Galvanized Steel Nipple	28.43	12.70
			For Schedule 80 Nipples, Add	10.67	
			For ASTM 120, Deduct	-1.40	
			For Work In Restricted Working Space, Add	5.72	
22 11 16 00-0246	EA		1-1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple	30.64	12.70
			For Schedule 80 Nipples, Add	13.19	
			For ASTM 120, Deduct	-1.74	
			For Work In Restricted Working Space, Add	5.72	
22 11 16 00-0247	EA		2" x 5" Long, Schedule 40 Galvanized Steel Nipple	40.17	16.36
			For Schedule 80 Nipples, Add	17.74	
			For ASTM 120, Deduct	-2.33	
			For Work In Restricted Working Space, Add	7.38	
22 11 16 00-0248	EA		2-1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple	66.20	20.37
			For Schedule 80 Nipples, Add	40.69	
			For ASTM 120, Deduct	-5.35	
			For Work In Restricted Working Space, Add	9.15	
22 11 16 00-0249	EA		3" x 5" Long, Schedule 40 Galvanized Steel Nipple	86.43	24.60
			For Schedule 80 Nipples, Add	56.45	
			For ASTM 120, Deduct	-7.43	
			For Work In Restricted Working Space, Add	11.07	
22 11 16 00-0250	EA		4" x 5" Long, Schedule 40 Galvanized Steel Nipple	106.96	28.69
			For Schedule 80 Nipples, Add	72.93	
			For ASTM 120, Deduct	-9.60	
			For Work In Restricted Working Space, Add	12.90	
22 11 16 00-0251	EA		3/8" x 6" Long, Schedule 40 Galvanized Steel Nipple	24.64	10.87
			For Schedule 80 Nipples, Add	9.46	
			For ASTM 120, Deduct	-1.25	
			For Work In Restricted Working Space, Add	4.90	
22 11 16 00-0252	EA		1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple	21.37	10.87
			For Schedule 80 Nipples, Add	5.73	
			For ASTM 120, Deduct	-0.75	
			For Work In Restricted Working Space, Add	4.90	
22 11 16 00-0253	EA		3/4" x 6" Long, Schedule 40 Galvanized Steel Nipple	22.88	10.87
			For Schedule 80 Nipples, Add	7.46	
			For ASTM 120, Deduct	-0.98	
			For Work In Restricted Working Space, Add	4.90	
22 11 16 00-0254	EA		1" x 6" Long, Schedule 40 Galvanized Steel Nipple	26.19	11.78
			For Schedule 80 Nipples, Add	9.79	
			For ASTM 120, Deduct	-1.29	
			For Work In Restricted Working Space, Add	5.28	

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 11 16 00-0255	EA	1-1/4" x 6" Long, Schedule 40 Galvanized Steel Nipple	29.94	12.70
		For Schedule 80 Nipples, Add	12.39	
		For ASTM 120, Deduct	-1.63	
		For Work In Restricted Working Space, Add	5.72	
22 11 16 00-0256	EA	1-1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple	32.09	12.70
		For Schedule 80 Nipples, Add	14.84	
		For ASTM 120, Deduct	-1.95	
		For Work In Restricted Working Space, Add	5.72	
22 11 16 00-0257	EA	2" x 6" Long, Schedule 40 Galvanized Steel Nipple	42.69	16.36
		For Schedule 80 Nipples, Add	20.61	
		For ASTM 120, Deduct	-2.71	
		For Work In Restricted Working Space, Add	7.38	
22 11 16 00-0258	EA	2-1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple	69.73	20.37
		For Schedule 80 Nipples, Add	44.71	
		For ASTM 120, Deduct	-5.88	
		For Work In Restricted Working Space, Add	9.15	
22 11 16 00-0259	EA	3" x 6" Long, Schedule 40 Galvanized Steel Nipple	89.28	24.60
		For Schedule 80 Nipples, Add	59.70	
		For ASTM 120, Deduct	-7.86	
		For Work In Restricted Working Space, Add	11.07	
22 11 16 00-0260	EA	4" x 6" Long, Schedule 40 Galvanized Steel Nipple	113.71	28.69
		For Schedule 80 Nipples, Add	80.62	
		For ASTM 120, Deduct	-10.61	
		For Work In Restricted Working Space, Add	12.90	
22 11 16 00-0261	EA	3/8" x 8" Long, Schedule 40 Galvanized Steel Nipple	49.52	10.87
		For Schedule 80 Nipples, Add	37.83	
		For ASTM 120, Deduct	-4.98	
		For Work In Restricted Working Space, Add	4.90	
22 11 16 00-0262	EA	1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple	25.21	10.87
		For Schedule 80 Nipples, Add	10.11	
		For ASTM 120, Deduct	-1.33	
		For Work In Restricted Working Space, Add	4.90	
22 11 16 00-0263	EA	3/4" x 8" Long, Schedule 40 Galvanized Steel Nipple	27.68	10.87
		For Schedule 80 Nipples, Add	12.93	
		For ASTM 120, Deduct	-1.70	
		For Work In Restricted Working Space, Add	4.90	
22 11 16 00-0264	EA	1" x 8" Long, Schedule 40 Galvanized Steel Nipple	31.97	11.78
		For Schedule 80 Nipples, Add	16.38	
		For ASTM 120, Deduct	-2.16	
		For Work In Restricted Working Space, Add	5.28	
22 11 16 00-0265	EA	1-1/4" x 8" Long, Schedule 40 Galvanized Steel Nipple	36.68	12.70
		For Schedule 80 Nipples, Add	20.08	
		For ASTM 120, Deduct	-2.64	
		For Work In Restricted Working Space, Add	5.72	
22 11 16 00-0266	EA	1-1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple	39.28	12.70
		For Schedule 80 Nipples, Add	23.04	
		For ASTM 120, Deduct	-3.03	
		For Work In Restricted Working Space, Add	5.72	
22 11 16 00-0267	EA	2" x 8" Long, Schedule 40 Galvanized Steel Nipple	54.08	16.36
		For Schedule 80 Nipples, Add	33.60	
		For ASTM 120, Deduct	-4.42	
		For Work In Restricted Working Space, Add	7.38	
22 11 16 00-0268	EA	2-1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple	80.99	20.37
		For Schedule 80 Nipples, Add	57.55	
		For ASTM 120, Deduct	-7.57	
		For Work In Restricted Working Space, Add	9.15	
22 11 16 00-0269	EA	3" x 8" Long, Schedule 40 Galvanized Steel Nipple	107.47	24.60
		For Schedule 80 Nipples, Add	80.44	
		For ASTM 120, Deduct	-10.58	
		For Work In Restricted Working Space, Add	11.07	
22 11 16 00-0270	EA	4" x 8" Long, Schedule 40 Galvanized Steel Nipple	127.38	28.69
		For Schedule 80 Nipples, Add	96.20	
		For ASTM 120, Deduct	-12.66	
		For Work In Restricted Working Space, Add	12.90	
22 11 16 00-0271	EA	3/8" x 10" Long, Schedule 40 Galvanized Steel Nipple	32.16	10.87
		For Schedule 80 Nipples, Add	18.03	
		For ASTM 120, Deduct	-2.37	
		For Work In Restricted Working Space, Add	4.90	
22 11 16 00-0272	EA	1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple	26.87	10.87
		For Schedule 80 Nipples, Add	12.00	
		For ASTM 120, Deduct	-1.58	
		For Work In Restricted Working Space, Add	4.90	
22 11 16 00-0273	EA	3/4" x 10" Long, Schedule 40 Galvanized Steel Nipple	28.92	10.87
		For Schedule 80 Nipples, Add	14.34	
		For ASTM 120, Deduct	-1.89	
		For Work In Restricted Working Space, Add	4.90	
22 11 16 00-0274	EA	1" x 10" Long, Schedule 40 Galvanized Steel Nipple	34.02	11.78
		For Schedule 80 Nipples, Add	18.72	
		For ASTM 120, Deduct	-2.46	
		For Work In Restricted Working Space, Add	5.28	
22 11 16 00-0275	EA	1-1/4" x 10" Long, Schedule 40 Galvanized Steel Nipple	40.13	12.70
		For Schedule 80 Nipples, Add	24.01	
		For ASTM 120, Deduct	-3.16	
		For Work In Restricted Working Space, Add	5.72	
22 11 16 00-0276	EA	1-1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple	42.62	12.70
		For Schedule 80 Nipples, Add	26.85	
		For ASTM 120, Deduct	-3.53	
		For Work In Restricted Working Space, Add	5.72	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0277	EA		2" x 10" Long, Schedule 40 Galvanized Steel Nipple	59.09	16.36
			For Schedule 80 Nipples, Add	39.31	
			For ASTM 120, Deduct	-5.17	
			For Work In Restricted Working Space, Add	7.38	
22 11 16 00-0278	EA		2-1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple	88.05	20.37
			For Schedule 80 Nipples, Add	65.60	
			For ASTM 120, Deduct	-8.63	
			For Work In Restricted Working Space, Add	9.15	
22 11 16 00-0279	EA		3" x 10" Long, Schedule 40 Galvanized Steel Nipple	117.40	24.60
			For Schedule 80 Nipples, Add	91.76	
			For ASTM 120, Deduct	-12.07	
			For Work In Restricted Working Space, Add	11.07	
22 11 16 00-0280	EA		4" x 10" Long, Schedule 40 Galvanized Steel Nipple	140.79	28.69
			For Schedule 80 Nipples, Add	111.49	
			For ASTM 120, Deduct	-14.67	
			For Work In Restricted Working Space, Add	12.90	
22 11 16 00-0281	EA		3/8" x 12" Long, Schedule 40 Galvanized Steel Nipple	33.88	10.87
			For Schedule 80 Nipples, Add	20.00	
			For ASTM 120, Deduct	-2.63	
			For Work In Restricted Working Space, Add	4.90	
22 11 16 00-0282	EA		1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple	28.32	10.87
			For Schedule 80 Nipples, Add	13.66	
			For ASTM 120, Deduct	-1.80	
			For Work In Restricted Working Space, Add	4.90	
22 11 16 00-0283	EA		3/4" x 12" Long, Schedule 40 Galvanized Steel Nipple	30.45	10.87
			For Schedule 80 Nipples, Add	16.09	
			For ASTM 120, Deduct	-2.12	
			For Work In Restricted Working Space, Add	4.90	
22 11 16 00-0284	EA		1" x 12" Long, Schedule 40 Galvanized Steel Nipple	36.72	11.78
			For Schedule 80 Nipples, Add	21.80	
			For ASTM 120, Deduct	-2.87	
			For Work In Restricted Working Space, Add	5.28	
22 11 16 00-0285	EA		1-1/4" x 12" Long, Schedule 40 Galvanized Steel Nipple	44.36	12.70
			For Schedule 80 Nipples, Add	28.83	
			For ASTM 120, Deduct	-3.79	
			For Work In Restricted Working Space, Add	5.72	
22 11 16 00-0286	EA		1-1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple	46.02	12.70
			For Schedule 80 Nipples, Add	30.72	
			For ASTM 120, Deduct	-4.04	
			For Work In Restricted Working Space, Add	5.72	
22 11 16 00-0287	EA		2" x 12" Long, Schedule 40 Galvanized Steel Nipple	64.17	16.36
			For Schedule 80 Nipples, Add	45.10	
			For ASTM 120, Deduct	-5.93	
			For Work In Restricted Working Space, Add	7.38	
22 11 16 00-0288	EA		2-1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple	94.90	20.37
			For Schedule 80 Nipples, Add	73.40	
			For ASTM 120, Deduct	-9.66	
			For Work In Restricted Working Space, Add	9.15	
22 11 16 00-0289	EA		3" x 12" Long, Schedule 40 Galvanized Steel Nipple	127.42	24.60
			For Schedule 80 Nipples, Add	103.18	
			For ASTM 120, Deduct	-13.58	
			For Work In Restricted Working Space, Add	11.07	
22 11 16 00-0290	EA		4" x 12" Long, Schedule 40 Galvanized Steel Nipple	154.33	28.69
			For Schedule 80 Nipples, Add	126.93	
			For ASTM 120, Deduct	-16.70	
			For Work In Restricted Working Space, Add	12.90	
22 11 16 00-0291			Galvanized Steel Dielectric Nipples With Polyethylene Liner (22 11 16 00-0013)		
			See CSI section 22 11 16 00-0837 for dielectric unions.		
22 11 16 00-0292	EA		1/2" Threaded x 2-1/2" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple.....	18.74	10.87
			For Work In Restricted Working Space, Add	4.91	
22 11 16 00-0293	EA		1/2" Threaded x 3" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple.....	19.10	10.87
			For Work In Restricted Working Space, Add	4.91	
22 11 16 00-0294	EA		3/4" Threaded x 2" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple.....	19.43	10.87
			For Work In Restricted Working Space, Add	4.91	
22 11 16 00-0295	EA		3/4" Threaded x 2-1/2" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple.....	20.63	10.87
			For Work In Restricted Working Space, Add	4.91	
22 11 16 00-0296	EA		3/4" Threaded x 3" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple.....	21.87	10.87
			For Work In Restricted Working Space, Add	4.91	
22 11 16 00-0297	EA		3/4" Threaded x 4" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple.....	22.62	10.87
			For Work In Restricted Working Space, Add	4.91	
22 11 16 00-0298	EA		1" Threaded x 2-1/2" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple.....	22.19	11.78
			For Work In Restricted Working Space, Add	5.29	
22 11 16 00-0299	EA		1" Threaded x 3" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple.....	22.58	11.78
			For Work In Restricted Working Space, Add	5.29	
22 11 16 00-0300	EA		1" Threaded x 4" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple.....	28.59	11.78
			For Work In Restricted Working Space, Add	5.29	
22 11 16 00-0301	EA		1-1/4" Threaded x 4" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple.....	30.97	12.70
			For Work In Restricted Working Space, Add	5.73	
22 11 16 00-0302	EA		1-1/2" Threaded x 4" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple.....	34.28	12.70
			For Work In Restricted Working Space, Add	5.73	
22 11 16 00-0303	EA		2" Threaded x 4" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple.....	45.70	16.36
			For Work In Restricted Working Space, Add	7.38	
22 11 16 00-0304	EA		2-1/2" Threaded x 6" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple.....	54.55	20.37
			For Work In Restricted Working Space, Add	9.17	
22 11 16 00-0305	EA		3" Threaded x 6" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple.....	85.31	24.60
			For Work In Restricted Working Space, Add	11.09	

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 11 16 00-0306 Galvanized Malleable Iron Square Head Plugs (22 11 16 00-0013)			
22 11 16 00-0307	EA 1/2", 150 Lb., Galvanized Malleable Iron Square Head Plug	19.08	8.13
	For 300 Lb. Rating, Add	24.09	
	For Work In Restricted Working Space, Add	3.66	
22 11 16 00-0308	EA 3/4", 150 Lb., Galvanized Malleable Iron Square Head Plug	20.53	9.15
	For 300 Lb. Rating, Add	24.18	
	For Work In Restricted Working Space, Add	4.10	
22 11 16 00-0309	EA 1", 150 Lb., Galvanized Malleable Iron Square Head Plug	22.79	10.18
	For 300 Lb. Rating, Add	26.55	
	For Work In Restricted Working Space, Add	4.58	
22 11 16 00-0310	EA 1-1/4", 150 Lb., Galvanized Malleable Iron Square Head Plug	28.86	11.56
	For 300 Lb. Rating, Add	40.44	
	For Work In Restricted Working Space, Add	5.18	
22 11 16 00-0311	EA 1-1/2", 150 Lb., Galvanized Malleable Iron Square Head Plug	35.08	12.93
	For 300 Lb. Rating, Add	54.24	
	For Work In Restricted Working Space, Add	5.84	
22 11 16 00-0312	EA 2", 150 Lb., Galvanized Malleable Iron Square Head Plug	44.59	16.47
	For 300 Lb. Rating, Add	68.97	
	For Work In Restricted Working Space, Add	7.42	
22 11 16 00-0313	EA 2-1/2", 150 Lb., Galvanized Malleable Iron Square Head Plug	75.33	24.38
	For 300 Lb. Rating, Add	133.84	
	For Work In Restricted Working Space, Add	10.98	
22 11 16 00-0314	EA 3", 150 Lb., Galvanized Malleable Iron Square Head Plug	103.12	32.15
	For 300 Lb. Rating, Add	189.69	
	For Work In Restricted Working Space, Add	14.45	
22 11 16 00-0315	EA 4", 150 Lb., Galvanized Malleable Iron Square Head Plug	164.22	33.42
	For 300 Lb. Rating, Add	390.81	
	For Work In Restricted Working Space, Add	15.05	
22 11 16 00-0316	EA 5", 150 Lb., Galvanized Malleable Iron Square Head Plug	261.61	34.93
	For 300 Lb. Rating, Add	714.66	
	For Work In Restricted Working Space, Add	15.70	
22 11 16 00-0317	EA 6", 150 Lb., Galvanized Malleable Iron Square Head Plug	280.95	36.43
	For 300 Lb. Rating, Add	772.47	
	For Work In Restricted Working Space, Add	16.42	
22 11 16 00-0318 Galvanized Malleable Iron Bushing (22 11 16 00-0013)			
22 11 16 00-0319	EA 3/4" x 1/2", 150 Lb., Galvanized Malleable Iron Bushing	41.57	21.51
	For Work In Restricted Working Space, Add	9.70	
22 11 16 00-0320	EA 1" x 1/2", 150 Lb., Galvanized Malleable Iron Bushing	45.37	22.89
	For Work In Restricted Working Space, Add	10.30	
22 11 16 00-0321	EA 1" x 3/4", 150 Lb., Galvanized Malleable Iron Bushing	46.62	24.14
	For Work In Restricted Working Space, Add	10.85	
22 11 16 00-0322	EA 1-1/4" x 1/2", 150 Lb., Galvanized Malleable Iron Bushing	52.32	24.60
	For Work In Restricted Working Space, Add	11.05	
22 11 16 00-0323	EA 1-1/4" x 3/4", 150 Lb., Galvanized Malleable Iron Bushing	52.73	25.75
	For Work In Restricted Working Space, Add	11.60	
22 11 16 00-0324	EA 1-1/4" x 1", 150 Lb., Galvanized Malleable Iron Bushing	54.73	27.11
	For Work In Restricted Working Space, Add	12.20	
22 11 16 00-0325	EA 1-1/2" x 1/2", 150 Lb., Galvanized Malleable Iron Bushing	60.05	26.43
	For Work In Restricted Working Space, Add	11.88	
22 11 16 00-0326	EA 1-1/2" x 3/4", 150 Lb., Galvanized Malleable Iron Bushing	61.87	27.58
	For Work In Restricted Working Space, Add	12.43	
22 11 16 00-0327	EA 1-1/2" x 1", 150 Lb., Galvanized Malleable Iron Bushing	61.86	28.95
	For Work In Restricted Working Space, Add	13.03	
22 11 16 00-0328	EA 1-1/2" x 1-1/4", 150 Lb., Galvanized Malleable Iron Bushing	62.95	30.67
	For Work In Restricted Working Space, Add	13.78	
22 11 16 00-0329	EA 2" x 1/2", 150 Lb., Galvanized Malleable Iron Bushing	71.73	30.78
	For Work In Restricted Working Space, Add	13.86	
22 11 16 00-0330	EA 2" x 3/4", 150 Lb., Galvanized Malleable Iron Bushing	71.77	32.04
	For Work In Restricted Working Space, Add	14.40	
22 11 16 00-0331	EA 2" x 1", 150 Lb., Galvanized Malleable Iron Bushing	72.46	33.30
	For Work In Restricted Working Space, Add	15.00	
22 11 16 00-0332	EA 2" x 1-1/4", 150 Lb., Galvanized Malleable Iron Bushing	74.98	35.01
	For Work In Restricted Working Space, Add	15.75	
22 11 16 00-0333	EA 2" x 1-1/2", 150 Lb., Galvanized Malleable Iron Bushing	74.98	36.84
	For Work In Restricted Working Space, Add	16.58	
22 11 16 00-0334	EA 2-1/2" x 3/4", 150 Lb., Galvanized Malleable Iron Bushing	99.81	41.88
	For Work In Restricted Working Space, Add	18.86	
22 11 16 00-0335	EA 2-1/2" x 1", 150 Lb., Galvanized Malleable Iron Bushing	101.80	43.26
	For Work In Restricted Working Space, Add	19.45	
22 11 16 00-0336	EA 2-1/2" x 1-1/4", 150 Lb., Galvanized Malleable Iron Bushing	104.32	44.86
	For Work In Restricted Working Space, Add	20.21	
22 11 16 00-0337	EA 2-1/2" x 1-1/2", 150 Lb., Galvanized Malleable Iron Bushing	106.40	46.80
	For Work In Restricted Working Space, Add	21.04	
22 11 16 00-0338	EA 2-1/2" x 2", 150 Lb., Galvanized Malleable Iron Bushing	108.83	51.15
	For Work In Restricted Working Space, Add	23.01	
22 11 16 00-0339	EA 3" x 3/4", 150 Lb., Galvanized Malleable Iron Bushing	126.10	51.49
	For Work In Restricted Working Space, Add	23.19	
22 11 16 00-0340	EA 3" x 1", 150 Lb., Galvanized Malleable Iron Bushing	128.08	52.86
	For Work In Restricted Working Space, Add	23.79	
22 11 16 00-0341	EA 3" x 1-1/4", 150 Lb., Galvanized Malleable Iron Bushing	130.60	54.58
	For Work In Restricted Working Space, Add	24.54	
22 11 16 00-0342	EA 3" x 1-1/2", 150 Lb., Galvanized Malleable Iron Bushing	132.40	56.40
	For Work In Restricted Working Space, Add	25.37	
22 11 16 00-0343	EA 3" x 2", 150 Lb., Galvanized Malleable Iron Bushing	134.52	60.75
	For Work In Restricted Working Space, Add	27.35	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0344	EA		3" x 2-1/2", 150 Lb., Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	151.87 31.79	70.71
22 11 16 00-0345	EA		4" x 3/4", 150 Lb., Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	181.00 23.62	52.45
22 11 16 00-0346	EA		4" x 1", 150 Lb., Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	182.87 24.18	53.74
22 11 16 00-0347	EA		4" x 1-1/4", 150 Lb., Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	185.23 24.89	55.35
22 11 16 00-0348	EA		4" x 1-1/2", 150 Lb., Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	187.82 25.67	57.07
22 11 16 00-0349	EA		4" x 2", 150 Lb., Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	181.95 27.52	61.16
22 11 16 00-0350	EA		4" x 2-1/2", 150 Lb., Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	207.94 31.70	70.50
22 11 16 00-0351	EA		4" x 3", 150 Lb., Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	214.76 35.78	79.53
22 11 16 00-0352			Galvanized Malleable Iron Floor Flange (22 11 16 00-0013) Note: Excludes fasteners to floor or wall. See CSI section 05 05 19 00-0001 for anchors.		
22 11 16 00-0353	EA		1/2", 150 Lb., Galvanized Malleable Iron Floor Flange	70.56	41.81
22 11 16 00-0354	EA		3/4", 150 Lb., Galvanized Malleable Iron Floor Flange	77.13	45.77
22 11 16 00-0355	EA		1", 150 Lb., Galvanized Malleable Iron Floor Flange	88.59	51.72
22 11 16 00-0356	EA		1-1/4", 150 Lb., Galvanized Malleable Iron Floor Flange	92.07	53.55
22 11 16 00-0357	EA		1-1/2", 150 Lb., Galvanized Malleable Iron Floor Flange	100.20	58.24
22 11 16 00-0358	EA		2", 150 Lb., Galvanized Malleable Iron Floor Flange	107.91	60.75
22 11 16 00-0359			Galvanized Cast Iron Flanges (22 11 16 00-0013) Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.		
22 11 16 00-0360	EA		3/4", 125 Lb., Galvanized Cast Iron Flange	134.77	45.77
			<i>For Work In Restricted Working Space, Add</i>	20.60	
22 11 16 00-0361	EA		1", 125 Lb., Galvanized Cast Iron Flange	128.76	51.72
			<i>For Work In Restricted Working Space, Add</i>	23.27	
22 11 16 00-0362	EA		1-1/4", 125 Lb., Galvanized Cast Iron Flange	107.35	53.55
			<i>For Work In Restricted Working Space, Add</i>	24.09	
22 11 16 00-0363	EA		1-1/2", 125 Lb., Galvanized Cast Iron Flange	127.31	58.24
			<i>For Work In Restricted Working Space, Add</i>	26.21	
22 11 16 00-0364	EA		2", 125 Lb., Galvanized Cast Iron Flange	144.04	60.75
			<i>For Work In Restricted Working Space, Add</i>	27.35	
22 11 16 00-0365	EA		2-1/2", 125 Lb., Galvanized Cast Iron Flange	167.30	70.37
			<i>For Work In Restricted Working Space, Add</i>	31.63	
22 11 16 00-0366	EA		3", 125 Lb., Galvanized Cast Iron Flange	300.85	89.25
			<i>For Work In Restricted Working Space, Add</i>	40.14	
22 11 16 00-0367	EA		4", 125 Lb., Galvanized Cast Iron Flange	399.45	114.68
			<i>For Work In Restricted Working Space, Add</i>	51.58	
22 11 16 00-0368	EA		5", 125 Lb., Galvanized Cast Iron Flange	561.87	136.50
			<i>For Work In Restricted Working Space, Add</i>	61.40	
22 11 16 00-0369	EA		6", 125 Lb., Galvanized Cast Iron Flange	616.90	156.81
			<i>For Work In Restricted Working Space, Add</i>	70.53	
22 11 16 00-0370	EA		8", 125 Lb., Galvanized Cast Iron Flange	567.20	179.21
			<i>For Work In Restricted Working Space, Add</i>	80.61	
22 11 16 00-0371			Cut And Thread Existing In-Place Galvanized Steel Pipe (22 11 16 00-0013) Note: For use when connecting pipe to an existing in-place system.		
22 11 16 00-0372	EA		1/2", Cut And Thread Existing In Place Galvanized Steel Pipe	37.28	
			<i>For Work In Restricted Working Space, Add</i>	11.18	
22 11 16 00-0373	EA		3/4", Cut And Thread Existing In Place Galvanized Steel Pipe	41.00	
			<i>For Work In Restricted Working Space, Add</i>	12.30	
22 11 16 00-0374	EA		1", Cut And Thread Existing In Place Galvanized Steel Pipe	44.74	
			<i>For Work In Restricted Working Space, Add</i>	13.42	
22 11 16 00-0375	EA		1-1/4", Cut And Thread Existing In Place Galvanized Steel Pipe	48.46	
			<i>For Work In Restricted Working Space, Add</i>	14.54	
22 11 16 00-0376	EA		1-1/2", Cut And Thread Existing In Place Galvanized Steel Pipe	50.94	
			<i>For Work In Restricted Working Space, Add</i>	15.28	
22 11 16 00-0377	EA		2", Cut And Thread Existing In Place Galvanized Steel Pipe	53.43	
			<i>For Work In Restricted Working Space, Add</i>	16.03	
22 11 16 00-0378	EA		2-1/2", Cut And Thread Existing In Place Galvanized Steel Pipe	55.92	
			<i>For Work In Restricted Working Space, Add</i>	16.78	
22 11 16 00-0379	EA		3", Cut And Thread Existing In Place Galvanized Steel Pipe	58.40	
			<i>For Work In Restricted Working Space, Add</i>	17.52	
22 11 16 00-0380	EA		4", Cut And Thread Existing In Place Galvanized Steel Pipe	60.89	
			<i>For Work In Restricted Working Space, Add</i>	18.27	
22 11 16 00-0381	EA		6", Cut And Thread Existing In Place Galvanized Steel Pipe	65.86	
			<i>For Work In Restricted Working Space, Add</i>	19.76	
22 11 16 00-0382	EA		8", Cut And Thread Existing In Place Galvanized Steel Pipe	70.82	
			<i>For Work In Restricted Working Space, Add</i>	21.25	
22 11 16 00-0383			Copper Pipe And Fittings (22 11 16) Note: Excludes hangers. See CSI section 22 11 16 00-0914 for pipe with fittings assembly.		
22 11 16 00-0384			Copper Tube/Pipe (22 11 16 00-0383) Note: Pipe based on inside diameter size. Excludes hangers and fittings (couplers, tees, elbows, etc).		
22 11 16 00-0385			Hard Drawn Type L Copper Tube/Pipe (22 11 16 00-0384)		

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
22 11 16 00-0386	LF	1/4" Hard Drawn Type L Copper Tube/Pipe	5.77	2.80	
		For Medical/Oxygen Service Tubing, Add	0.13		
		For Up To 20, Add	0.62		
		For >200, Deduct	-0.16		
		For Work In Restricted Working Space, Add	1.26		
22 11 16 00-0387	LF	3/8" Hard Drawn Type L Copper Tube/Pipe	6.67	2.91	
		For Medical/Oxygen Service Tubing, Add	0.18		
		For Up To 20, Add	0.72		
		For >200, Deduct	-0.23		
		For Work In Restricted Working Space, Add	1.31		
22 11 16 00-0388	LF	1/2" Hard Drawn Type L Copper Tube/Pipe	7.29	3.03	
		For Medical/Oxygen Service Tubing, Add	0.22		
		For Up To 20, Add	0.80		
		For >200, Deduct	-0.27		
		For Work In Restricted Working Space, Add	1.37		
22 11 16 00-0389	LF	3/4" Hard Drawn Type L Copper Tube/Pipe	9.29	3.22	
		For Medical/Oxygen Service Tubing, Add	0.36		
		For Up To 20, Add	1.04		
		For >200, Deduct	-0.45		
		For Work In Restricted Working Space, Add	1.45		
22 11 16 00-0390	LF	1" Hard Drawn Type L Copper Tube/Pipe	11.87	3.61	
		For Medical/Oxygen Service Tubing, Add	0.52		
		For Up To 20, Add	1.35		
		For >200, Deduct	-0.65		
		For Work In Restricted Working Space, Add	1.63		
22 11 16 00-0391	LF	1-1/4" Hard Drawn Type L Copper Tube/Pipe	16.95	5.38	
		For Medical/Oxygen Service Tubing, Add	0.71		
		For Up To 20, Add	1.92		
		For >200, Deduct	-0.89		
		For Work In Restricted Working Space, Add	2.42		
22 11 16 00-0392	LF	1-1/2" Hard Drawn Type L Copper Tube/Pipe	20.44	6.00	
		For Medical/Oxygen Service Tubing, Add	0.92		
		For Up To 20, Add	2.33		
		For >200, Deduct	-1.14		
		For Work In Restricted Working Space, Add	2.70		
22 11 16 00-0393	LF	2" Hard Drawn Type L Copper Tube/Pipe	29.20	7.41	
		For Medical/Oxygen Service Tubing, Add	1.45		
		For Up To 20, Add	3.37		
		For >200, Deduct	-1.81		
		For Work In Restricted Working Space, Add	3.33		
22 11 16 00-0394	LF	2-1/2" Hard Drawn Type L Copper Tube/Pipe	52.30	8.71	
		For Medical/Oxygen Service Tubing, Add	2.09		
		For Up To 20, Add	5.88		
		For >200, Deduct	-2.61		
		For Work In Restricted Working Space, Add	7.85		
22 11 16 00-0395	LF	3" Hard Drawn Type L Copper Tube/Pipe	65.63	10.26	
		For Medical/Oxygen Service Tubing, Add	2.79		
		For Up To 20, Add	7.43		
		For >200, Deduct	-3.49		
		For Work In Restricted Working Space, Add	9.23		
22 11 16 00-0396	LF	4" Hard Drawn Type L Copper Tube/Pipe	96.86	11.58	
		For Medical/Oxygen Service Tubing, Add	4.97		
		For Up To 20, Add	11.24		
		For >200, Deduct	-6.21		
		For Work In Restricted Working Space, Add	10.42		
22 11 16 00-0397	LF	5" Hard Drawn Type L Copper Tube/Pipe	149.63	13.29	
		For Medical/Oxygen Service Tubing, Add	8.78		
		For Up To 20, Add	17.71		
		For >200, Deduct	-10.98		
		For Work In Restricted Working Space, Add	11.96		
22 11 16 00-0398	LF	6" Hard Drawn Type L Copper Tube/Pipe	206.19	20.61	
		For Medical/Oxygen Service Tubing, Add	11.55		
		For Up To 20, Add	24.23		
		For >200, Deduct	-14.44		
		For Work In Restricted Working Space, Add	18.54		
22 11 16 00-0399	LF	8" Hard Drawn Type L Copper Tube/Pipe	340.83	22.91	
		For Medical/Oxygen Service Tubing, Add	21.77		
		For Up To 20, Add	40.89		
		For >200, Deduct	-27.21		
		For Work In Restricted Working Space, Add	20.61		
22 11 16 00-0400		Hard Drawn Type K Copper Tube/Pipe (22 11 16 00-0384)	6.27	3.01	
22 11 16 00-0401	LF	1/4" Hard Drawn Type K Copper Tube/Pipe	6.27	3.01	
		For Medical/Oxygen Service Tubing, Add	0.14		
		For Up To 20, Add	0.67		
		For >200, Deduct	-0.18		
		For Work In Restricted Working Space, Add	1.35		
22 11 16 00-0402	LF	3/8" Hard Drawn Type K Copper Tube/Pipe	8.33	3.13	
		For Medical/Oxygen Service Tubing, Add	0.25		
		For Up To 20, Add	0.91		
		For >200, Deduct	-0.32		
		For Work In Restricted Working Space, Add	1.55		
22 11 16 00-0403	LF	1/2" Hard Drawn Type K Copper Tube/Pipe	8.75	3.25	
		For Medical/Oxygen Service Tubing, Add	0.30		
		For Up To 20, Add	0.97		
		For >200, Deduct	-0.37		
		For Work In Restricted Working Space, Add	1.51		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0404	LF		3/4" Hard Drawn Type K Copper Tube/Pipe	12.54	3.45
			For Medical/Oxygen Service Tubing, Add	0.54	
			For Up To 20, Add	1.42	
			For >200, Deduct	-0.67	
			For Work In Restricted Working Space, Add	1.75	
22 11 16 00-0405	LF		1" Hard Drawn Type K Copper Tube/Pipe	15.13	3.88
			For Medical/Oxygen Service Tubing, Add	0.72	
			For Up To 20, Add	1.74	
			For >200, Deduct	-0.89	
			For Work In Restricted Working Space, Add	1.86	
22 11 16 00-0406	LF		1-1/4" Hard Drawn Type K Copper Tube/Pipe	19.89	5.78
			For Medical/Oxygen Service Tubing, Add	0.89	
			For Up To 20, Add	2.27	
			For >200, Deduct	-1.11	
			For Work In Restricted Working Space, Add	2.63	
22 11 16 00-0407	LF		1-1/2" Hard Drawn Type K Copper Tube/Pipe	24.11	6.45
			For Medical/Oxygen Service Tubing, Add	1.14	
			For Up To 20, Add	2.77	
			For >200, Deduct	-1.43	
			For Work In Restricted Working Space, Add	2.96	
22 11 16 00-0408	LF		2" Hard Drawn Type K Copper Tube/Pipe	33.99	7.96
			For Medical/Oxygen Service Tubing, Add	1.75	
			For Up To 20, Add	3.95	
			For >200, Deduct	-2.19	
			For Work In Restricted Working Space, Add	3.62	
22 11 16 00-0409	LF		2-1/2" Hard Drawn Type K Copper Tube/Pipe	58.92	9.36
			For Medical/Oxygen Service Tubing, Add	2.61	
			For Up To 20, Add	6.71	
			For >200, Deduct	-3.27	
			For Work In Restricted Working Space, Add	7.88	
22 11 16 00-0410	LF		3" Hard Drawn Type K Copper Tube/Pipe	78.47	11.03
			For Medical/Oxygen Service Tubing, Add	3.57	
			For Up To 20, Add	8.96	
			For >200, Deduct	-4.46	
			For Work In Restricted Working Space, Add	10.16	
22 11 16 00-0411	LF		4" Hard Drawn Type K Copper Tube/Pipe	117.89	12.44
			For Medical/Oxygen Service Tubing, Add	6.36	
			For Up To 20, Add	13.78	
			For >200, Deduct	-7.95	
			For Work In Restricted Working Space, Add	11.51	
22 11 16 00-0412	LF		5" Hard Drawn Type K Copper Tube/Pipe	191.03	14.29
			For Medical/Oxygen Service Tubing, Add	11.66	
			For Up To 20, Add	22.75	
			For >200, Deduct	-14.58	
			For Work In Restricted Working Space, Add	13.58	
22 11 16 00-0413	LF		6" Hard Drawn Type K Copper Tube/Pipe	282.12	22.15
			For Medical/Oxygen Service Tubing, Add	16.73	
			For Up To 20, Add	33.44	
			For >200, Deduct	-20.91	
			For Work In Restricted Working Space, Add	21.90	
22 11 16 00-0414	LF		8" Hard Drawn Type K Copper Tube/Pipe	472.02	24.63
			For Medical/Oxygen Service Tubing, Add	31.33	
			For Up To 20, Add	56.99	
			For >200, Deduct	-39.16	
			For Work In Restricted Working Space, Add	24.13	
22 11 16 00-0415 Hard Drawn Type M Copper Tube/Pipe (22 11 16 00-0384)					
22 11 16 00-0416	LF		3/8" Hard Drawn Type M Copper Tube/Pipe	5.57	2.63
			For Up To 20, Add	0.60	
			For >200, Deduct	-0.18	
			For Work In Restricted Working Space, Add	1.13	
22 11 16 00-0417	LF		1/2" Hard Drawn Type M Copper Tube/Pipe	5.92	2.74
			For Up To 20, Add	0.64	
			For >200, Deduct	-0.20	
			For Work In Restricted Working Space, Add	1.17	
22 11 16 00-0418	LF		3/4" Hard Drawn Type M Copper Tube/Pipe	7.43	2.90
			For Up To 20, Add	0.82	
			For >200, Deduct	-0.33	
			For Work In Restricted Working Space, Add	1.25	
22 11 16 00-0419	LF		1" Hard Drawn Type M Copper Tube/Pipe	9.67	3.25
			For Up To 20, Add	1.09	
			For >200, Deduct	-0.50	
			For Work In Restricted Working Space, Add	1.39	
22 11 16 00-0420	LF		1-1/4" Hard Drawn Type M Copper Tube/Pipe	14.48	4.85
			For Up To 20, Add	1.63	
			For >200, Deduct	-0.73	
			For Work In Restricted Working Space, Add	2.14	
22 11 16 00-0421	LF		1-1/2" Hard Drawn Type M Copper Tube/Pipe	18.31	5.40
			For Up To 20, Add	2.08	
			For >200, Deduct	-1.01	
			For Work In Restricted Working Space, Add	2.46	
22 11 16 00-0422	LF		2" Hard Drawn Type M Copper Tube/Pipe	26.09	6.66
			For Up To 20, Add	3.01	
			For >200, Deduct	-1.59	
			For Work In Restricted Working Space, Add	3.05	
22 11 16 00-0423	LF		2-1/2" Hard Drawn Type M Copper Tube/Pipe	47.82	7.83
			For Up To 20, Add	5.36	
			For >200, Deduct	-2.31	
			For Work In Restricted Working Space, Add	7.42	

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
22 11 16 00-0424	LF	3" Hard Drawn Type M Copper Tube/Pipe	.....	58.48	9.23
		For Up To 20, Add		6.62	
		For >200, Deduct		-3.07	
		For Work In Restricted Working Space, Add		8.33	
22 11 16 00-0425	LF	4" Hard Drawn Type M Copper Tube/Pipe	.....	89.92	10.42
		For Up To 20, Add		10.43	
		For >200, Deduct		-5.75	
		For Work In Restricted Working Space, Add		9.72	
22 11 16 00-0426	LF	5" Hard Drawn Type M Copper Tube/Pipe	.....	149.07	11.97
		For Up To 20, Add		17.70	
		For >200, Deduct		-11.17	
		For Work In Restricted Working Space, Add		11.22	
22 11 16 00-0427	LF	6" Hard Drawn Type M Copper Tube/Pipe	.....	207.11	18.55
		For Up To 20, Add		24.44	
		For >200, Deduct		-14.92	
		For Work In Restricted Working Space, Add		17.38	
22 11 16 00-0428	LF	8" Hard Drawn Type M Copper Tube/Pipe	.....	346.43	20.62
		For Up To 20, Add		41.71	
		For >200, Deduct		-28.27	
		For Work In Restricted Working Space, Add		19.11	
22 11 16 00-0429 Soft Drawn Type L Copper Tube (22 11 16 00-0384)					
22 11 16 00-0430	LF	1/4" Soft Drawn Type L Copper Tube	.....	6.22	2.80
		For Up To 20, Add		0.67	
		For >200, Deduct		-0.20	
		For Work In Restricted Working Space, Add		1.26	
22 11 16 00-0431	LF	3/8" Soft Drawn Type L Copper Tube	.....	7.52	2.91
		For Up To 20, Add		0.83	
		For >200, Deduct		-0.32	
		For Work In Restricted Working Space, Add		1.31	
22 11 16 00-0432	LF	1/2" Soft Drawn Type L Copper Tube	.....	8.78	3.03
		For Up To 20, Add		0.98	
		For >200, Deduct		-0.42	
		For Work In Restricted Working Space, Add		1.37	
22 11 16 00-0433	LF	5/8" Soft Drawn Type L Copper Tube	.....	10.12	3.13
		For Up To 20, Add		1.15	
		For >200, Deduct		-0.54	
		For Work In Restricted Working Space, Add		1.41	
22 11 16 00-0434	LF	3/4" Soft Drawn Type L Copper Tube	.....	11.31	3.22
		For Up To 20, Add		1.29	
		For >200, Deduct		-0.65	
		For Work In Restricted Working Space, Add		1.45	
22 11 16 00-0435	LF	1" Soft Drawn Type L Copper Tube	.....	14.39	3.61
		For Up To 20, Add		1.66	
		For >200, Deduct		-0.90	
		For Work In Restricted Working Space, Add		1.63	
22 11 16 00-0436	LF	1-1/4" Soft Drawn Type L Copper Tube	.....	19.87	5.38
		For Up To 20, Add		2.28	
		For >200, Deduct		-1.18	
		For Work In Restricted Working Space, Add		2.42	
22 11 16 00-0437	LF	1-1/2" Soft Drawn Type L Copper Tube	.....	25.00	6.00
		For Up To 20, Add		2.90	
		For >200, Deduct		-1.60	
		For Work In Restricted Working Space, Add		2.70	
22 11 16 00-0438	LF	2" Soft Drawn Type L Copper Tube	.....	36.55	7.41
		For Up To 20, Add		4.29	
		For >200, Deduct		-2.55	
		For Work In Restricted Working Space, Add		3.33	
22 11 16 00-0439 Soft Drawn Type K Copper Tube (22 11 16 00-0384)					
22 11 16 00-0440	LF	1/4" Soft Drawn Type K Copper Tube	.....	6.42	2.80
		For Up To 20, Add		0.70	
		For >200, Deduct		-0.22	
		For Work In Restricted Working Space, Add		1.26	
22 11 16 00-0441	LF	3/8" Soft Drawn Type K Copper Tube	.....	8.18	2.91
		For Up To 20, Add		0.91	
		For >200, Deduct		-0.38	
		For Work In Restricted Working Space, Add		1.31	
22 11 16 00-0442	LF	1/2" Soft Drawn Type K Copper Tube	.....	9.32	3.03
		For Up To 20, Add		1.05	
		For >200, Deduct		-0.48	
		For Work In Restricted Working Space, Add		1.37	
22 11 16 00-0443	LF	5/8" Soft Drawn Type K Copper Tube	.....	10.38	3.13
		For Up To 20, Add		1.18	
		For >200, Deduct		-0.57	
		For Work In Restricted Working Space, Add		1.41	
22 11 16 00-0444	LF	3/4" Soft Drawn Type K Copper Tube	.....	13.66	3.22
		For Up To 20, Add		1.59	
		For >200, Deduct		-0.88	
		For Work In Restricted Working Space, Add		1.45	
22 11 16 00-0445	LF	1" Soft Drawn Type K Copper Tube	.....	17.14	3.61
		For Up To 20, Add		2.01	
		For >200, Deduct		-1.17	
		For Work In Restricted Working Space, Add		1.63	
22 11 16 00-0446	LF	1-1/4" Soft Drawn Type K Copper Tube	.....	21.88	5.38
		For Up To 20, Add		2.53	
		For >200, Deduct		-1.38	
		For Work In Restricted Working Space, Add		2.42	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0447	LF		1-1/2" Soft Drawn Type K Copper Tube For Up To 20, Add For >200, Deduct For Work In Restricted Working Space, Add	28.21 3.30 -1.92 2.70	6.00
22 11 16 00-0448	LF		2" Soft Drawn Type K Copper Tube For Up To 20, Add For >200, Deduct For Work In Restricted Working Space, Add	40.96 4.84 -2.99 3.33	7.41
22 11 16 00-0449	LF		2-1/2" Soft Drawn Type K Copper Tube For Up To 20, Add For >200, Deduct For Work In Restricted Working Space, Add	58.09 6.93 -4.48 3.99	8.89
22 11 16 00-0450	LF		3" Soft Drawn Type K Copper Tube For Up To 20, Add For >200, Deduct For Work In Restricted Working Space, Add	78.01 9.36 -6.23 4.71	10.48
22 11 16 00-0451			Copper And Brass Fittings (22 11 16 00-0383) Note: All fittings are based on 95/5 solder.		
22 11 16 00-0452			90 Degree Copper Elbows (22 11 16 00-0451)		
22 11 16 00-0453	EA		1/4" 90 Degree Copper Elbow For Silver Solder Instead Of 95/5 Solder, Add For Street Fitting, Add For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	28.66 3.92 1.52 3.73 7.46 -2.68	16.58
22 11 16 00-0454	EA		3/8" 90 Degree Copper Elbow For Silver Solder Instead Of 95/5 Solder, Add For Street Fitting, Add For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	33.85 4.67 1.61 4.47 8.95 -3.18	19.89
22 11 16 00-0455	EA		1/2" 90 Degree Copper Elbow For Silver Solder Instead Of 95/5 Solder, Add For Street Fitting, Add For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	42.31 6.22 0.52 6.15 12.30 -4.17	27.33
22 11 16 00-0456	EA		3/4" 90 Degree Copper Elbow For Silver Solder Instead Of 95/5 Solder, Add For Street Fitting, Add For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	53.88 7.79 1.18 7.64 15.28 -5.24	34.05
22 11 16 00-0457	EA		1" 90 Degree Copper Elbow For Silver Solder Instead Of 95/5 Solder, Add For Street Fitting, Add For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	68.08 9.49 2.88 9.13 18.27 -6.45	40.63
22 11 16 00-0458	EA		1-1/4" 90 Degree Copper Elbow For Silver Solder Instead Of 95/5 Solder, Add For Street Fitting, Add For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	76.61 10.42 4.30 9.88 19.76 -7.12	43.99
22 11 16 00-0459	EA		1-1/2" 90 Degree Copper Elbow For Silver Solder Instead Of 95/5 Solder, Add For Street Fitting, Add For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	88.88 11.65 6.72 10.81 21.62 -8.05	48.09
22 11 16 00-0460	EA		2" 90 Degree Copper Elbow For Silver Solder Instead Of 95/5 Solder, Add For Street Fitting, Add For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	111.41 13.65 12.26 12.12 24.23 -9.61	53.93
22 11 16 00-0461	EA		2-1/2" 90 Degree Copper Elbow For Silver Solder Instead Of 95/5 Solder, Add For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	135.71 15.02 12.36 24.71 -10.90	54.92
22 11 16 00-0462	EA		3" 90 Degree Copper Elbow For Silver Solder Instead Of 95/5 Solder, Add For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	173.61 18.52 14.76 29.52 -13.60	65.68
22 11 16 00-0463	EA		4" 90 Degree Copper Elbow For Silver Solder Instead Of 95/5 Solder, Add For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	322.08 30.06 20.94 41.88 -23.08	93.14
22 11 16 00-0464	EA		5" 90 Degree Copper Elbow For Silver Solder Instead Of 95/5 Solder, Add For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	955.59 66.89 28.66 57.32 -57.33	127.47

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
22 11 16 00-0465	EA 6" 90 Degree Copper Elbow	1,297.20		185.48
	For Silver Solder Instead Of 95/5 Solder, Add	92.67		
	For Brazed Fittings Instead Of 95/5 Solder, Add	41.71		
	For Work In Restricted Working Space, Add	83.42		
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-78.76		
22 11 16 00-0466	EA 8" 90 Degree Copper Elbow	4,141.04		247.27
	For Silver Solder Instead Of 95/5 Solder, Add	244.12		
	For Brazed Fittings Instead Of 95/5 Solder, Add	55.61		
	For Work In Restricted Working Space, Add	111.22		
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-225.59		
22 11 16 00-0467	90 Degree Brass Elbows (22 11 16 00-0451)			
22 11 16 00-0468	EA 1/2" Drop Ear 90 Degree Brass Elbow	49.21		27.33
	For Silver Solder Instead Of 95/5 Solder, Add	6.56		
	For Brazed Fittings Instead Of 95/5 Solder, Add	6.15		
	For Work In Restricted Working Space, Add	12.30		
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.51		
22 11 16 00-0469	EA 3/4" Drop Ear 90 Degree Brass Elbow	74.87		34.05
	For Silver Solder Instead Of 95/5 Solder, Add	8.84		
	For Brazed Fittings Instead Of 95/5 Solder, Add	7.64		
	For Work In Restricted Working Space, Add	15.28		
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.29		
22 11 16 00-0470	EA 1/2" Flanged Sink 90 Degree Brass Elbow	55.96		27.33
	For Silver Solder Instead Of 95/5 Solder, Add	6.90		
	For Brazed Fittings Instead Of 95/5 Solder, Add	6.15		
	For Work In Restricted Working Space, Add	12.30		
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.85		
22 11 16 00-0471	EA 3/8" Drop Ear 90 Degree Brass Elbow, Solder X Threaded	42.09		19.89
	For Silver Solder Instead Of 95/5 Solder, Add	5.09		
	For Brazed Fittings Instead Of 95/5 Solder, Add	4.47		
	For Work In Restricted Working Space, Add	8.95		
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.60		
22 11 16 00-0472	EA 1/2" Drop Ear 90 Degree Brass Elbow, Solder X Threaded	49.79		27.33
	For Silver Solder Instead Of 95/5 Solder, Add	6.59		
	For Brazed Fittings Instead Of 95/5 Solder, Add	6.15		
	For Work In Restricted Working Space, Add	12.30		
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.54		
22 11 16 00-0473	EA 3/4" Drop Ear 90 Degree Brass Elbow, Solder X Threaded	66.41		34.05
	For Silver Solder Instead Of 95/5 Solder, Add	8.41		
	For Brazed Fittings Instead Of 95/5 Solder, Add	7.64		
	For Work In Restricted Working Space, Add	15.28		
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.87		
22 11 16 00-0474	EA 1" Drop Ear 90 Degree Brass Elbow, Solder X Threaded	110.27		40.63
	For Silver Solder Instead Of 95/5 Solder, Add	11.60		
	For Brazed Fittings Instead Of 95/5 Solder, Add	9.13		
	For Work In Restricted Working Space, Add	18.27		
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.56		
22 11 16 00-0475	Reducing 90 Degree Copper Elbows (22 11 16 00-0451)			
22 11 16 00-0476	EA 1/2" Reducing 90 Degree Copper Elbow	51.60		27.33
	For Silver Solder Instead Of 95/5 Solder, Add	6.68		
	For Brazed Fittings Instead Of 95/5 Solder, Add	6.15		
	For Work In Restricted Working Space, Add	12.30		
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.63		
22 11 16 00-0477	EA 3/4" Reducing 90 Degree Copper Elbow	58.46		34.05
	For Silver Solder Instead Of 95/5 Solder, Add	8.02		
	For Brazed Fittings Instead Of 95/5 Solder, Add	7.64		
	For Work In Restricted Working Space, Add	15.28		
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.47		
22 11 16 00-0478	EA 1" Reducing 90 Degree Copper Elbow	74.69		40.63
	For Silver Solder Instead Of 95/5 Solder, Add	9.82		
	For Brazed Fittings Instead Of 95/5 Solder, Add	9.13		
	For Work In Restricted Working Space, Add	18.27		
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.78		
22 11 16 00-0479	EA 1-1/4" Reducing 90 Degree Copper Elbow	101.01		43.99
	For Silver Solder Instead Of 95/5 Solder, Add	11.64		
	For Brazed Fittings Instead Of 95/5 Solder, Add	9.88		
	For Work In Restricted Working Space, Add	19.76		
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.34		
22 11 16 00-0480	EA 1-1/2" Reducing 90 Degree Copper Elbow	118.25		48.09
	For Silver Solder Instead Of 95/5 Solder, Add	13.12		
	For Brazed Fittings Instead Of 95/5 Solder, Add	10.81		
	For Work In Restricted Working Space, Add	21.62		
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-9.52		
22 11 16 00-0481	EA 2" Reducing 90 Degree Copper Elbow	142.93		53.93
	For Silver Solder Instead Of 95/5 Solder, Add	15.22		
	For Brazed Fittings Instead Of 95/5 Solder, Add	12.12		
	For Work In Restricted Working Space, Add	24.23		
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-11.19		
22 11 16 00-0482	45 Degree Copper Elbows (22 11 16 00-0451)			
22 11 16 00-0483	EA 1/4" 45 Degree Copper Elbow	31.97		16.58
	For Silver Solder Instead Of 95/5 Solder, Add	4.08		
	For Street Fitting, Add	2.85		
	For Brazed Fittings Instead Of 95/5 Solder, Add	3.73		
	For Work In Restricted Working Space, Add	7.46		
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.84		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0484	EA		3/8" 45 Degree Copper Elbow	35.92	19.89
			For Silver Solder Instead Of 95/5 Solder, Add	4.78	
			For Street Fitting, Add	2.44	
			For Brazed Fittings Instead Of 95/5 Solder, Add	4.47	
			For Work In Restricted Working Space, Add	8.95	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.29	
22 11 16 00-0485	EA		1/2" 45 Degree Copper Elbow	43.40	27.33
			For Silver Solder Instead Of 95/5 Solder, Add	6.27	
			For Street Fitting, Add	0.96	
			For Brazed Fittings Instead Of 95/5 Solder, Add	6.15	
			For Work In Restricted Working Space, Add	12.30	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.22	
22 11 16 00-0486	EA		3/4" 45 Degree Copper Elbow	55.04	34.05
			For Silver Solder Instead Of 95/5 Solder, Add	7.85	
			For Street Fitting, Add	1.64	
			For Brazed Fittings Instead Of 95/5 Solder, Add	7.64	
			For Work In Restricted Working Space, Add	15.28	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.30	
22 11 16 00-0487	EA		1" 45 Degree Copper Elbow	71.13	40.63
			For Silver Solder Instead Of 95/5 Solder, Add	9.65	
			For Street Fitting, Add	4.10	
			For Brazed Fittings Instead Of 95/5 Solder, Add	9.13	
			For Work In Restricted Working Space, Add	18.27	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.60	
22 11 16 00-0488	EA		1-1/4" 45 Degree Copper Elbow	79.73	43.99
			For Silver Solder Instead Of 95/5 Solder, Add	10.57	
			For Street Fitting, Add	5.55	
			For Brazed Fittings Instead Of 95/5 Solder, Add	9.88	
			For Work In Restricted Working Space, Add	19.76	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.28	
22 11 16 00-0489	EA		1-1/2" 45 Degree Copper Elbow	89.10	48.09
			For Silver Solder Instead Of 95/5 Solder, Add	11.66	
			For Street Fitting, Add	6.81	
			For Brazed Fittings Instead Of 95/5 Solder, Add	10.81	
			For Work In Restricted Working Space, Add	21.62	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.06	
22 11 16 00-0490	EA		2" 45 Degree Copper Elbow	109.16	53.93
			For Silver Solder Instead Of 95/5 Solder, Add	13.54	
			For Brazed Fittings Instead Of 95/5 Solder, Add	12.12	
			For Work In Restricted Working Space, Add	24.23	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-9.50	
22 11 16 00-0491	EA		2-1/2" 45 Degree Copper Elbow	135.07	54.92
			For Silver Solder Instead Of 95/5 Solder, Add	14.99	
			For Brazed Fittings Instead Of 95/5 Solder, Add	12.36	
			For Work In Restricted Working Space, Add	24.71	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-10.87	
22 11 16 00-0492	EA		3" 45 Degree Copper Elbow	176.58	65.68
			For Silver Solder Instead Of 95/5 Solder, Add	18.67	
			For Brazed Fittings Instead Of 95/5 Solder, Add	14.76	
			For Work In Restricted Working Space, Add	29.52	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-13.75	
22 11 16 00-0493	EA		4" 45 Degree Copper Elbow	306.29	93.14
			For Silver Solder Instead Of 95/5 Solder, Add	29.27	
			For Brazed Fittings Instead Of 95/5 Solder, Add	20.94	
			For Work In Restricted Working Space, Add	41.88	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-22.29	
22 11 16 00-0494	EA		5" 45 Degree Copper Elbow	836.68	127.47
			For Silver Solder Instead Of 95/5 Solder, Add	60.94	
			For Brazed Fittings Instead Of 95/5 Solder, Add	28.66	
			For Work In Restricted Working Space, Add	57.32	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-51.39	
22 11 16 00-0495	EA		6" 45 Degree Copper Elbow	1,295.46	185.48
			For Silver Solder Instead Of 95/5 Solder, Add	92.58	
			For Brazed Fittings Instead Of 95/5 Solder, Add	41.71	
			For Work In Restricted Working Space, Add	83.42	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-78.68	
22 11 16 00-0496	EA		8" 45 Degree Copper Elbow	3,827.82	247.27
			For Silver Solder Instead Of 95/5 Solder, Add	228.46	
			For Brazed Fittings Instead Of 95/5 Solder, Add	55.61	
			For Work In Restricted Working Space, Add	111.22	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-209.93	
22 11 16 00-0497			Straight Copper And Brass Tees (22 11 16 00-0451)		
22 11 16 00-0498	EA		1/4" Straight Copper Tee	45.27	24.85
			For Silver Solder Instead Of 95/5 Solder, Add	5.99	
			For Brazed Fittings Instead Of 95/5 Solder, Add	5.59	
			For Work In Restricted Working Space, Add	11.18	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.13	
22 11 16 00-0499	EA		3/8" Straight Copper Tee	51.17	29.82
			For Silver Solder Instead Of 95/5 Solder, Add	7.03	
			For Brazed Fittings Instead Of 95/5 Solder, Add	6.71	
			For Work In Restricted Working Space, Add	13.42	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.80	
22 11 16 00-0500	EA		1/2" Straight Copper Tee	64.38	41.50
			For Silver Solder Instead Of 95/5 Solder, Add	9.43	
			For Brazed Fittings Instead Of 95/5 Solder, Add	9.32	
			For Work In Restricted Working Space, Add	18.64	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.33	

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 11 16 00-0501	EA	3/4" Straight Copper Tee	82.41	51.45
		For Silver Solder Instead Of 95/5 Solder, Add	11.82	
		For Brazed Fittings Instead Of 95/5 Solder, Add	11.56	
		For Work In Restricted Working Space, Add	23.11	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.97	
22 11 16 00-0502	EA	1" Straight Copper Tee	108.12	61.38
		For Silver Solder Instead Of 95/5 Solder, Add	14.60	
		For Brazed Fittings Instead Of 95/5 Solder, Add	13.79	
		For Work In Restricted Working Space, Add	27.59	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-10.00	
22 11 16 00-0503	EA	1-1/4" Straight Copper Tee	121.92	66.35
		For Silver Solder Instead Of 95/5 Solder, Add	16.04	
		For Brazed Fittings Instead Of 95/5 Solder, Add	14.91	
		For Work In Restricted Working Space, Add	29.82	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-11.07	
22 11 16 00-0504	EA	1-1/2" Straight Copper Tee	142.17	72.07
		For Silver Solder Instead Of 95/5 Solder, Add	17.92	
		For Brazed Fittings Instead Of 95/5 Solder, Add	16.22	
		For Work In Restricted Working Space, Add	32.43	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-12.51	
22 11 16 00-0505	EA	2" Straight Copper Tee	175.92	81.27
		For Silver Solder Instead Of 95/5 Solder, Add	20.97	
		For Brazed Fittings Instead Of 95/5 Solder, Add	18.27	
		For Work In Restricted Working Space, Add	36.53	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-14.89	
22 11 16 00-0506	EA	2-1/2" Straight Copper Tee	218.63	82.38
		For Silver Solder Instead Of 95/5 Solder, Add	23.29	
		For Brazed Fittings Instead Of 95/5 Solder, Add	18.54	
		For Work In Restricted Working Space, Add	37.07	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-17.11	
22 11 16 00-0507	EA	3" Straight Copper Tee	293.98	99.21
		For Silver Solder Instead Of 95/5 Solder, Add	29.57	
		For Brazed Fittings Instead Of 95/5 Solder, Add	22.31	
		For Work In Restricted Working Space, Add	44.62	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-22.14	
22 11 16 00-0508	EA	4" Straight Copper Tee	559.76	138.91
		For Silver Solder Instead Of 95/5 Solder, Add	48.81	
		For Brazed Fittings Instead Of 95/5 Solder, Add	31.24	
		For Work In Restricted Working Space, Add	62.48	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-38.40	
22 11 16 00-0509	EA	5" Straight Copper Tee	1,433.98	190.06
		For Silver Solder Instead Of 95/5 Solder, Add	100.19	
		For Brazed Fittings Instead Of 95/5 Solder, Add	42.74	
		For Work In Restricted Working Space, Add	85.47	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-85.94	
22 11 16 00-0510	EA	6" Straight Copper Tee	1,988.42	278.61
		For Silver Solder Instead Of 95/5 Solder, Add	141.19	
		For Brazed Fittings Instead Of 95/5 Solder, Add	62.65	
		For Work In Restricted Working Space, Add	125.29	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-120.30	
22 11 16 00-0511	EA	8" Straight Copper Tee	6,615.28	370.95
		For Silver Solder Instead Of 95/5 Solder, Add	386.37	
		For Brazed Fittings Instead Of 95/5 Solder, Add	83.41	
		For Work In Restricted Working Space, Add	166.82	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-358.57	
22 11 16 00-0512	EA	1/2" Cast Bronze Drop Ear Tee	75.96	41.50
		For Silver Solder Instead Of 95/5 Solder, Add	10.01	
		For Brazed Fittings Instead Of 95/5 Solder, Add	9.32	
		For Work In Restricted Working Space, Add	18.64	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.90	

22 11 16 00-0513 Reducing Copper Tees (22 11 16 00-0451)

22 11 16 00-0514	EA	3/8" Reducing Copper Tee.....	52.47	26.47
		For Silver Solder Instead Of 95/5 Solder, Add	6.60	
		For Brazed Fittings Instead Of 95/5 Solder, Add	5.96	
		For Work In Restricted Working Space, Add	11.93	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.61	
22 11 16 00-0515	EA	1/2" Reducing Copper Tee.....	67.10	37.28
		For Silver Solder Instead Of 95/5 Solder, Add	8.95	
		For Brazed Fittings Instead Of 95/5 Solder, Add	8.39	
		For Work In Restricted Working Space, Add	16.78	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.15	
22 11 16 00-0516	EA	3/4" Reducing Copper Tee.....	77.77	48.09
		For Silver Solder Instead Of 95/5 Solder, Add	11.10	
		For Brazed Fittings Instead Of 95/5 Solder, Add	10.81	
		For Work In Restricted Working Space, Add	21.62	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.49	
22 11 16 00-0517	EA	1" Reducing Copper Tee	105.10	58.03
		For Silver Solder Instead Of 95/5 Solder, Add	13.95	
		For Brazed Fittings Instead Of 95/5 Solder, Add	13.05	
		For Work In Restricted Working Space, Add	26.09	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-9.60	
22 11 16 00-0518	EA	1-1/4" Reducing Copper Tee	121.93	63.00
		For Silver Solder Instead Of 95/5 Solder, Add	15.54	
		For Brazed Fittings Instead Of 95/5 Solder, Add	14.17	
		For Work In Restricted Working Space, Add	28.33	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-10.82	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0519	EA	1-1/2"	Reducing Copper Tee For Silver Solder Instead Of 95/5 Solder, Add For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	141.99 17.41 15.47 30.94 -12.26	68.84
22 11 16 00-0520	EA	2"	Reducing Copper Tee For Silver Solder Instead Of 95/5 Solder, Add For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	171.74 20.14 17.34 34.67 -14.37	77.04
22 11 16 00-0521	EA	2-1/2"	Reducing Copper Tee For Silver Solder Instead Of 95/5 Solder, Add For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	223.14 23.06 17.85 35.70 -17.11	79.41
22 11 16 00-0522	EA	3"	Reducing Copper Tee For Silver Solder Instead Of 95/5 Solder, Add For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	308.33 29.15 20.60 41.19 -22.28	91.53
22 11 16 00-0523	EA	4"	Reducing Copper Tee For Silver Solder Instead Of 95/5 Solder, Add For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	529.37 43.40 25.40 50.81 -34.94	112.93
22 11 16 00-0524 Copper Couplings (22 11 16 00-0451)					
22 11 16 00-0525	EA	1/4"	Copper Coupling..... For Silver Solder Instead Of 95/5 Solder, Add For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	21.39 3.13 3.09 6.19 -2.10	13.80
22 11 16 00-0526	EA	3/8"	Copper Coupling..... For Silver Solder Instead Of 95/5 Solder, Add For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	25.78 3.77 3.71 7.43 -2.53	16.53
22 11 16 00-0527	EA	1/2"	Copper Coupling..... For Silver Solder Instead Of 95/5 Solder, Add For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	34.88 5.15 5.11 10.21 -3.45	22.61
22 11 16 00-0528	EA	3/4"	Copper Coupling..... For Silver Solder Instead Of 95/5 Solder, Add For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	44.00 6.43 6.34 12.69 -4.31	28.21
22 11 16 00-0529	EA	1"	Copper Coupling..... For Silver Solder Instead Of 95/5 Solder, Add For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	53.92 7.75 7.58 15.16 -5.22	33.67
22 11 16 00-0530	EA	1-1/4"	Copper Coupling For Silver Solder Instead Of 95/5 Solder, Add For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	60.61 8.50 8.20 16.40 -5.76	36.41
22 11 16 00-0531	EA	1-1/2"	Copper Coupling For Silver Solder Instead Of 95/5 Solder, Add For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	67.70 9.37 8.97 17.95 -6.38	39.88
22 11 16 00-0532	EA	2"	Copper Coupling..... For Silver Solder Instead Of 95/5 Solder, Add For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	80.15 10.71 10.06 20.11 -7.36	44.61
22 11 16 00-0533	EA	2-1/2"	Copper Coupling For Silver Solder Instead Of 95/5 Solder, Add For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	91.65 11.36 10.16 20.32 -7.97	45.08
22 11 16 00-0534	EA	3"	Copper Coupling..... For Silver Solder Instead Of 95/5 Solder, Add For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	116.36 14.20 12.57 25.14 -10.01	55.84
22 11 16 00-0535	EA	4"	Copper Coupling..... For Silver Solder Instead Of 95/5 Solder, Add For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	190.47 21.40 17.82 35.63 -15.46	79.07
22 11 16 00-0536	EA	5"	Copper Coupling..... For Silver Solder Instead Of 95/5 Solder, Add For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	321.40 33.27 25.80 51.59 -24.67	114.53

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
22 11 16 00-0537	EA	6" Copper Coupling.....	497.18	166.71
		For Silver Solder Instead Of 95/5 Solder, Add	49.88	
		For Brazed Fittings Instead Of 95/5 Solder, Add	37.54	
		For Work In Restricted Working Space, Add	75.07	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-37.37	
22 11 16 00-0538	EA	8" Copper Coupling.....	1,134.12	222.21
		For Silver Solder Instead Of 95/5 Solder, Add	90.07	
		For Brazed Fittings Instead Of 95/5 Solder, Add	50.05	
		For Work In Restricted Working Space, Add	100.10	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-73.39	
22 11 16 00-0539 Reducing Copper Couplings (22 11 16 00-0451)				
22 11 16 00-0540	EA	3/8" Reducing Copper Coupling.....	24.36	15.16
		For Silver Solder Instead Of 95/5 Solder, Add	3.49	
		For Brazed Fittings Instead Of 95/5 Solder, Add	3.40	
		For Work In Restricted Working Space, Add	6.81	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.35	
22 11 16 00-0541	EA	1/2" Reducing Copper Coupling.....	31.14	19.64
		For Silver Solder Instead Of 95/5 Solder, Add	4.50	
		For Brazed Fittings Instead Of 95/5 Solder, Add	4.41	
		For Work In Restricted Working Space, Add	8.82	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.03	
22 11 16 00-0542	EA	3/4" Reducing Copper Coupling.....	41.17	25.47
		For Silver Solder Instead Of 95/5 Solder, Add	5.87	
		For Brazed Fittings Instead Of 95/5 Solder, Add	5.72	
		For Work In Restricted Working Space, Add	11.45	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.97	
22 11 16 00-0543	EA	1" Reducing Copper Coupling.....	51.87	30.94
		For Silver Solder Instead Of 95/5 Solder, Add	7.24	
		For Brazed Fittings Instead Of 95/5 Solder, Add	6.96	
		For Work In Restricted Working Space, Add	13.93	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.91	
22 11 16 00-0544	EA	1-1/4" Reducing Copper Coupling.....	60.19	35.04
		For Silver Solder Instead Of 95/5 Solder, Add	8.27	
		For Brazed Fittings Instead Of 95/5 Solder, Add	7.89	
		For Work In Restricted Working Space, Add	15.78	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.64	
22 11 16 00-0545	EA	1-1/2" Reducing Copper Coupling.....	69.80	38.15
		For Silver Solder Instead Of 95/5 Solder, Add	9.21	
		For Brazed Fittings Instead Of 95/5 Solder, Add	8.59	
		For Work In Restricted Working Space, Add	17.17	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.35	
22 11 16 00-0546	EA	2" Reducing Copper Coupling.....	82.85	42.25
		For Silver Solder Instead Of 95/5 Solder, Add	10.49	
		For Brazed Fittings Instead Of 95/5 Solder, Add	9.51	
		For Work In Restricted Working Space, Add	19.03	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.31	
22 11 16 00-0547	EA	2-1/2" Reducing Copper Coupling.....	100.22	43.13
		For Silver Solder Instead Of 95/5 Solder, Add	11.49	
		For Brazed Fittings Instead Of 95/5 Solder, Add	9.71	
		For Work In Restricted Working Space, Add	19.42	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.25	
22 11 16 00-0548	EA	3" Reducing Copper Coupling.....	119.64	50.46
		For Silver Solder Instead Of 95/5 Solder, Add	13.56	
		For Brazed Fittings Instead Of 95/5 Solder, Add	11.37	
		For Work In Restricted Working Space, Add	22.73	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-9.77	
22 11 16 00-0549	EA	4" Reducing Copper Coupling.....	188.37	67.51
		For Silver Solder Instead Of 95/5 Solder, Add	19.55	
		For Brazed Fittings Instead Of 95/5 Solder, Add	15.20	
		For Work In Restricted Working Space, Add	30.39	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-14.48	
22 11 16 00-0550	EA	5" Reducing Copper Coupling.....	482.32	94.51
		For Silver Solder Instead Of 95/5 Solder, Add	38.30	
		For Brazed Fittings Instead Of 95/5 Solder, Add	21.27	
		For Work In Restricted Working Space, Add	42.55	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-31.21	
22 11 16 00-0551	EA	6" Reducing Copper Coupling.....	708.22	120.48
		For Silver Solder Instead Of 95/5 Solder, Add	53.51	
		For Brazed Fittings Instead Of 95/5 Solder, Add	27.14	
		For Work In Restricted Working Space, Add	54.29	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-44.46	
22 11 16 00-0552	EA	8" Reducing Copper Coupling.....	1,409.53	194.29
		For Silver Solder Instead Of 95/5 Solder, Add	99.65	
		For Brazed Fittings Instead Of 95/5 Solder, Add	43.77	
		For Work In Restricted Working Space, Add	87.53	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-85.07	
22 11 16 00-0553 Male Copper Adapters (22 11 16 00-0451)				
22 11 16 00-0554	EA	1/4" Male Copper Adapter.....	38.32	16.15
		For Silver Solder Instead Of 95/5 Solder, Add	4.40	
		For Brazed Fittings Instead Of 95/5 Solder, Add	3.73	
		For Work In Restricted Working Space, Add	7.46	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.16	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0555	EA		3/8" Male Copper Adapter	36.54	19.89
			For Silver Solder Instead Of 95/5 Solder, Add	4.81	
			For Brazed Fittings Instead Of 95/5 Solder, Add	4.47	
			For Work In Restricted Working Space, Add	8.95	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.32	
22 11 16 00-0556	EA		1/2" Male Copper Adapter	40.00	24.85
			For Silver Solder Instead Of 95/5 Solder, Add	5.73	
			For Brazed Fittings Instead Of 95/5 Solder, Add	5.59	
			For Work In Restricted Working Space, Add	11.18	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.86	
22 11 16 00-0557	EA		3/4" Male Copper Adapter	50.58	31.07
			For Silver Solder Instead Of 95/5 Solder, Add	7.13	
			For Brazed Fittings Instead Of 95/5 Solder, Add	6.90	
			For Work In Restricted Working Space, Add	13.79	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.83	
22 11 16 00-0558	EA		1" Male Copper Adapter	65.16	36.04
			For Silver Solder Instead Of 95/5 Solder, Add	8.60	
			For Brazed Fittings Instead Of 95/5 Solder, Add	8.01	
			For Work In Restricted Working Space, Add	16.03	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.93	
22 11 16 00-0559	EA		1-1/4" Male Copper Adapter	79.19	41.00
			For Silver Solder Instead Of 95/5 Solder, Add	10.17	
			For Brazed Fittings Instead Of 95/5 Solder, Add	9.32	
			For Work In Restricted Working Space, Add	18.64	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.07	
22 11 16 00-0560	EA		1-1/2" Male Copper Adapter	90.80	47.22
			For Silver Solder Instead Of 95/5 Solder, Add	11.62	
			For Brazed Fittings Instead Of 95/5 Solder, Add	10.62	
			For Work In Restricted Working Space, Add	21.25	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.08	
22 11 16 00-0561	EA		2" Male Copper Adapter	124.51	60.26
			For Silver Solder Instead Of 95/5 Solder, Add	15.30	
			For Brazed Fittings Instead Of 95/5 Solder, Add	13.61	
			For Work In Restricted Working Space, Add	27.21	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-10.76	
22 11 16 00-0562	EA		2-1/2" Male Copper Adapter	212.22	78.29
			For Silver Solder Instead Of 95/5 Solder, Add	22.29	
			For Brazed Fittings Instead Of 95/5 Solder, Add	17.52	
			For Work In Restricted Working Space, Add	35.04	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-16.45	
22 11 16 00-0563	EA		3" Male Copper Adapter	281.93	104.41
			For Silver Solder Instead Of 95/5 Solder, Add	29.66	
			For Brazed Fittings Instead Of 95/5 Solder, Add	23.34	
			For Work In Restricted Working Space, Add	46.68	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-21.88	
22 11 16 00-0564	EA		4" Male Copper Adapter	421.71	146.46
			For Silver Solder Instead Of 95/5 Solder, Add	43.05	
			For Brazed Fittings Instead Of 95/5 Solder, Add	32.95	
			For Work In Restricted Working Space, Add	65.91	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-32.07	
22 11 16 00-0565			Female Copper Adapters (22 11 16 00-0451)		
22 11 16 00-0566	EA		1/4" Female Copper Adapter	33.45	16.15
			For Silver Solder Instead Of 95/5 Solder, Add	4.16	
			For Brazed Fittings Instead Of 95/5 Solder, Add	3.73	
			For Work In Restricted Working Space, Add	7.46	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.92	
22 11 16 00-0567	EA		3/8" Female Copper Adapter	38.82	19.89
			For Silver Solder Instead Of 95/5 Solder, Add	4.92	
			For Brazed Fittings Instead Of 95/5 Solder, Add	4.47	
			For Work In Restricted Working Space, Add	8.95	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.43	
22 11 16 00-0568	EA		1/2" Female Copper Adapter	41.64	24.85
			For Silver Solder Instead Of 95/5 Solder, Add	5.81	
			For Brazed Fittings Instead Of 95/5 Solder, Add	5.59	
			For Work In Restricted Working Space, Add	11.18	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.95	
22 11 16 00-0569	EA		3/4" Female Copper Adapter	51.92	31.07
			For Silver Solder Instead Of 95/5 Solder, Add	7.19	
			For Brazed Fittings Instead Of 95/5 Solder, Add	6.90	
			For Work In Restricted Working Space, Add	13.79	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.89	
22 11 16 00-0570	EA		1" Female Copper Adapter	67.05	36.04
			For Silver Solder Instead Of 95/5 Solder, Add	8.70	
			For Brazed Fittings Instead Of 95/5 Solder, Add	8.01	
			For Work In Restricted Working Space, Add	16.03	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.02	
22 11 16 00-0571	EA		1-1/4" Female Copper Adapter	82.10	41.00
			For Silver Solder Instead Of 95/5 Solder, Add	10.32	
			For Brazed Fittings Instead Of 95/5 Solder, Add	9.32	
			For Work In Restricted Working Space, Add	18.64	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.21	
22 11 16 00-0572	EA		1-1/2" Female Copper Adapter	102.09	47.22
			For Silver Solder Instead Of 95/5 Solder, Add	12.19	
			For Brazed Fittings Instead Of 95/5 Solder, Add	10.62	
			For Work In Restricted Working Space, Add	21.25	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.65	

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
22 11 16 00-0573	EA 2" Female Copper Adapter	133.12		60.26
	For Silver Solder Instead Of 95/5 Solder, Add	15.73		
	For Brazed Fittings Instead Of 95/5 Solder, Add	13.61		
	For Work In Restricted Working Space, Add	27.21		
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-11.19		
22 11 16 00-0574	EA 2-1/2" Female Copper Adapter	242.19		72.08
	For Silver Solder Instead Of 95/5 Solder, Add	22.86		
	For Brazed Fittings Instead Of 95/5 Solder, Add	16.13		
	For Work In Restricted Working Space, Add	32.27		
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-17.49		
22 11 16 00-0575	EA 3" Female Copper Adapter	382.41		104.41
	For Silver Solder Instead Of 95/5 Solder, Add	34.68		
	For Brazed Fittings Instead Of 95/5 Solder, Add	23.34		
	For Work In Restricted Working Space, Add	46.68		
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-26.90		
22 11 16 00-0576 Wrot Copper, Solder Union (22 11 16 00-0451)				
22 11 16 00-0577	EA 1/4" Wrot Copper, Solder Union	42.77		19.89
	For Silver Solder Instead Of 95/5 Solder, Add	5.12		
	For Brazed Fittings Instead Of 95/5 Solder, Add	4.47		
	For Work In Restricted Working Space, Add	8.95		
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.63		
22 11 16 00-0578	EA 3/8" Wrot Copper, Solder Union	49.39		23.98
	For Silver Solder Instead Of 95/5 Solder, Add	6.07		
	For Brazed Fittings Instead Of 95/5 Solder, Add	5.41		
	For Work In Restricted Working Space, Add	10.81		
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.27		
22 11 16 00-0579	EA 1/2" Wrot Copper, Solder Union	52.99		29.82
	For Silver Solder Instead Of 95/5 Solder, Add	7.12		
	For Brazed Fittings Instead Of 95/5 Solder, Add	6.71		
	For Work In Restricted Working Space, Add	13.42		
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.89		
22 11 16 00-0580	EA 3/4" Wrot Copper, Solder Union	61.09		34.05
	For Silver Solder Instead Of 95/5 Solder, Add	8.15		
	For Brazed Fittings Instead Of 95/5 Solder, Add	7.64		
	For Work In Restricted Working Space, Add	15.28		
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.60		
22 11 16 00-0581	EA 1" Wrot Copper, Solder Union	78.32		40.63
	For Silver Solder Instead Of 95/5 Solder, Add	10.01		
	For Brazed Fittings Instead Of 95/5 Solder, Add	9.13		
	For Work In Restricted Working Space, Add	18.27		
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.96		
22 11 16 00-0582	EA 1-1/4" Wrot Copper, Solder Union	92.35		44.74
	For Silver Solder Instead Of 95/5 Solder, Add	11.33		
	For Brazed Fittings Instead Of 95/5 Solder, Add	10.07		
	For Work In Restricted Working Space, Add	20.13		
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.97		
22 11 16 00-0583	EA 1-1/2" Wrot Copper, Solder Union	110.15		49.71
	For Silver Solder Instead Of 95/5 Solder, Add	12.96		
	For Brazed Fittings Instead Of 95/5 Solder, Add	11.18		
	For Work In Restricted Working Space, Add	22.37		
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-9.24		
22 11 16 00-0584	EA 2" Wrot Copper, Solder Union	150.15		59.65
	For Silver Solder Instead Of 95/5 Solder, Add	16.45		
	For Brazed Fittings Instead Of 95/5 Solder, Add	13.42		
	For Work In Restricted Working Space, Add	26.84		
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-11.98		
22 11 16 00-0585	EA 2-1/2" Wrot Copper, Solder Union	263.87		65.68
	For Silver Solder Instead Of 95/5 Solder, Add	23.03		
	For Brazed Fittings Instead Of 95/5 Solder, Add	14.76		
	For Work In Restricted Working Space, Add	29.52		
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-18.11		
22 11 16 00-0586	EA 3" Wrot Copper, Solder Union	567.77		93.14
	For Silver Solder Instead Of 95/5 Solder, Add	42.35		
	For Brazed Fittings Instead Of 95/5 Solder, Add	20.94		
	For Work In Restricted Working Space, Add	41.88		
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-35.37		
22 11 16 00-0587 Cast Bronze, Solder Union (22 11 16 00-0451)				
22 11 16 00-0588	EA 1/4" Cast Bronze, Solder Union	47.55		19.89
	For Silver Solder Instead Of 95/5 Solder, Add	5.36		
	For Brazed Fittings Instead Of 95/5 Solder, Add	4.47		
	For Work In Restricted Working Space, Add	8.95		
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.87		
22 11 16 00-0589	EA 3/8" Cast Bronze, Solder Union	53.89		23.98
	For Silver Solder Instead Of 95/5 Solder, Add	6.30		
	For Brazed Fittings Instead Of 95/5 Solder, Add	5.41		
	For Work In Restricted Working Space, Add	10.81		
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.50		
22 11 16 00-0590	EA 1/2" Cast Bronze, Solder Union	54.25		29.82
	For Silver Solder Instead Of 95/5 Solder, Add	7.19		
	For Brazed Fittings Instead Of 95/5 Solder, Add	6.71		
	For Work In Restricted Working Space, Add	13.42		
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.95		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0591	EA		3/4" Cast Bronze, Solder Union.....	62.86	34.05
			For Silver Solder Instead Of 95/5 Solder, Add	8.24	
			For Brazed Fittings Instead Of 95/5 Solder, Add	7.64	
			For Work In Restricted Working Space, Add	15.28	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.69	
22 11 16 00-0592	EA		1" Cast Bronze, Solder Union.....	81.40	40.63
			For Silver Solder Instead Of 95/5 Solder, Add	10.16	
			For Brazed Fittings Instead Of 95/5 Solder, Add	9.13	
			For Work In Restricted Working Space, Add	18.27	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.11	
22 11 16 00-0593	EA		1-1/4" Cast Bronze, Solder Union.....	100.76	44.74
			For Silver Solder Instead Of 95/5 Solder, Add	11.75	
			For Brazed Fittings Instead Of 95/5 Solder, Add	10.07	
			For Work In Restricted Working Space, Add	20.13	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.39	
22 11 16 00-0594	EA		1-1/2" Cast Bronze, Solder Union.....	118.93	49.71
			For Silver Solder Instead Of 95/5 Solder, Add	13.40	
			For Brazed Fittings Instead Of 95/5 Solder, Add	11.18	
			For Work In Restricted Working Space, Add	22.37	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-9.67	
22 11 16 00-0595	EA		2" Cast Bronze, Solder Union.....	165.09	59.65
			For Silver Solder Instead Of 95/5 Solder, Add	17.20	
			For Brazed Fittings Instead Of 95/5 Solder, Add	13.42	
			For Work In Restricted Working Space, Add	26.84	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-12.73	
22 11 16 00-0596	EA		2-1/2" Cast Bronze, Solder Union.....	263.86	65.68
			For Silver Solder Instead Of 95/5 Solder, Add	23.03	
			For Brazed Fittings Instead Of 95/5 Solder, Add	14.76	
			For Work In Restricted Working Space, Add	29.52	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-18.11	
22 11 16 00-0597	EA		3" Cast Bronze, Solder Union.....	567.77	93.14
			For Silver Solder Instead Of 95/5 Solder, Add	42.35	
			For Brazed Fittings Instead Of 95/5 Solder, Add	20.94	
			For Work In Restricted Working Space, Add	41.88	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-35.37	
22 11 16 00-0598 Cast Bronze, Solder X Female Threaded Union (22 11 16 00-0451)					
22 11 16 00-0599	EA		1/4" Cast Bronze, Solder X Female Threaded Union.....	54.00	19.89
			For Silver Solder Instead Of 95/5 Solder, Add	5.68	
			For Brazed Fittings Instead Of 95/5 Solder, Add	4.47	
			For Work In Restricted Working Space, Add	8.95	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.19	
22 11 16 00-0600	EA		3/8" Cast Bronze, Solder X Female Threaded Union.....	61.06	23.98
			For Silver Solder Instead Of 95/5 Solder, Add	6.66	
			For Brazed Fittings Instead Of 95/5 Solder, Add	5.41	
			For Work In Restricted Working Space, Add	10.81	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.86	
22 11 16 00-0601	EA		1/2" Cast Bronze, Solder X Female Threaded Union.....	64.61	29.82
			For Silver Solder Instead Of 95/5 Solder, Add	7.70	
			For Brazed Fittings Instead Of 95/5 Solder, Add	6.71	
			For Work In Restricted Working Space, Add	13.42	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.47	
22 11 16 00-0602	EA		3/4" Cast Bronze, Solder X Female Threaded Union.....	78.03	34.05
			For Silver Solder Instead Of 95/5 Solder, Add	9.00	
			For Brazed Fittings Instead Of 95/5 Solder, Add	7.64	
			For Work In Restricted Working Space, Add	15.28	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.45	
22 11 16 00-0603	EA		1" Cast Bronze, Solder X Female Threaded Union.....	117.23	40.63
			For Silver Solder Instead Of 95/5 Solder, Add	11.95	
			For Brazed Fittings Instead Of 95/5 Solder, Add	9.13	
			For Work In Restricted Working Space, Add	18.27	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.91	
22 11 16 00-0604	EA		1-1/4" Cast Bronze, Solder X Female Threaded Union.....	172.10	44.74
			For Silver Solder Instead Of 95/5 Solder, Add	15.32	
			For Brazed Fittings Instead Of 95/5 Solder, Add	10.07	
			For Work In Restricted Working Space, Add	20.13	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-11.96	
22 11 16 00-0605	EA		1-1/2" Cast Bronze, Solder X Female Threaded Union.....	207.58	49.71
			For Silver Solder Instead Of 95/5 Solder, Add	17.84	
			For Brazed Fittings Instead Of 95/5 Solder, Add	11.18	
			For Work In Restricted Working Space, Add	22.37	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-14.11	
22 11 16 00-0606	EA		2" Cast Bronze, Solder X Female Threaded Union.....	314.64	59.65
			For Silver Solder Instead Of 95/5 Solder, Add	24.68	
			For Brazed Fittings Instead Of 95/5 Solder, Add	13.42	
			For Work In Restricted Working Space, Add	26.84	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-20.21	
22 11 16 00-0607	EA		2-1/2" Cast Bronze, Solder X Female Threaded Union.....	525.25	65.68
			For Silver Solder Instead Of 95/5 Solder, Add	36.10	
			For Brazed Fittings Instead Of 95/5 Solder, Add	14.76	
			For Work In Restricted Working Space, Add	29.52	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-31.18	

22 11 16 00-0608 Cast Bronze, Solder X Male Threaded Union (22 11 16 00-0451)

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 11 16 00-0609	EA	1/4" Cast Bronze, Solder X Male Threaded Union.....	48.24	19.89
		For Silver Solder Instead Of 95/5 Solder, Add	5.39	
		For Brazed Fittings Instead Of 95/5 Solder, Add	4.47	
		For Work In Restricted Working Space, Add	8.95	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.90	
22 11 16 00-0610	EA	3/8" Cast Bronze, Solder X Male Threaded Union.....	57.54	23.98
		For Silver Solder Instead Of 95/5 Solder, Add	6.48	
		For Brazed Fittings Instead Of 95/5 Solder, Add	5.41	
		For Work In Restricted Working Space, Add	10.81	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.68	
22 11 16 00-0611	EA	1/2" Cast Bronze, Solder X Male Threaded Union.....	60.43	29.82
		For Silver Solder Instead Of 95/5 Solder, Add	7.50	
		For Brazed Fittings Instead Of 95/5 Solder, Add	6.71	
		For Work In Restricted Working Space, Add	13.42	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.26	
22 11 16 00-0612	EA	3/4" Cast Bronze, Solder X Male Threaded Union.....	74.48	34.05
		For Silver Solder Instead Of 95/5 Solder, Add	8.82	
		For Brazed Fittings Instead Of 95/5 Solder, Add	7.64	
		For Work In Restricted Working Space, Add	15.28	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.27	
22 11 16 00-0613	EA	1" Cast Bronze, Solder X Male Threaded Union.....	118.86	40.63
		For Silver Solder Instead Of 95/5 Solder, Add	12.03	
		For Brazed Fittings Instead Of 95/5 Solder, Add	9.13	
		For Work In Restricted Working Space, Add	18.27	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.99	
22 11 16 00-0614	EA	1-1/4" Cast Bronze, Solder X Male Threaded Union.....	139.00	44.74
		For Silver Solder Instead Of 95/5 Solder, Add	13.66	
		For Brazed Fittings Instead Of 95/5 Solder, Add	10.07	
		For Work In Restricted Working Space, Add	20.13	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-10.31	
22 11 16 00-0615	EA	1-1/2" Cast Bronze, Solder X Male Threaded Union.....	150.08	49.71
		For Silver Solder Instead Of 95/5 Solder, Add	14.96	
		For Brazed Fittings Instead Of 95/5 Solder, Add	11.18	
		For Work In Restricted Working Space, Add	22.37	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-11.23	
22 11 16 00-0616	EA	2" Cast Bronze, Solder X Male Threaded Union.....	205.48	59.65
		For Silver Solder Instead Of 95/5 Solder, Add	19.22	
		For Brazed Fittings Instead Of 95/5 Solder, Add	13.42	
		For Work In Restricted Working Space, Add	26.84	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-14.75	
22 11 16 00-0617	EA	2-1/2" Cast Bronze, Solder X Male Threaded Union.....	438.37	65.68
		For Silver Solder Instead Of 95/5 Solder, Add	31.76	
		For Brazed Fittings Instead Of 95/5 Solder, Add	14.76	
		For Work In Restricted Working Space, Add	29.52	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-26.84	

22 11 16 00-0618 Copper Caps (22 11 16 00-0451)

22 11 16 00-0619	EA	1/4" Copper Cap	9.36	5.46
		For Silver Solder Instead Of 95/5 Solder, Add	1.29	
		For Brazed Fittings Instead Of 95/5 Solder, Add	1.23	
		For Work In Restricted Working Space, Add	2.46	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-0.88	
22 11 16 00-0620	EA	3/8" Copper Cap	11.69	6.46
		For Silver Solder Instead Of 95/5 Solder, Add	1.57	
		For Brazed Fittings Instead Of 95/5 Solder, Add	1.48	
		For Work In Restricted Working Space, Add	2.95	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-1.08	
22 11 16 00-0621	EA	1/2" Copper Cap	14.48	8.95
		For Silver Solder Instead Of 95/5 Solder, Add	2.08	
		For Brazed Fittings Instead Of 95/5 Solder, Add	2.03	
		For Work In Restricted Working Space, Add	4.06	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-1.40	
22 11 16 00-0622	EA	3/4" Copper Cap	18.60	11.06
		For Silver Solder Instead Of 95/5 Solder, Add	2.61	
		For Brazed Fittings Instead Of 95/5 Solder, Add	2.52	
		For Work In Restricted Working Space, Add	5.05	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-1.77	
22 11 16 00-0623	EA	1" Copper Cap	24.28	13.29
		For Silver Solder Instead Of 95/5 Solder, Add	3.22	
		For Brazed Fittings Instead Of 95/5 Solder, Add	3.02	
		For Work In Restricted Working Space, Add	6.03	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.22	
22 11 16 00-0624	EA	1-1/4" Copper Cap	27.32	14.29
		For Silver Solder Instead Of 95/5 Solder, Add	3.54	
		For Brazed Fittings Instead Of 95/5 Solder, Add	3.26	
		For Work In Restricted Working Space, Add	6.52	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.45	
22 11 16 00-0625	EA	1-1/2" Copper Cap	31.91	15.66
		For Silver Solder Instead Of 95/5 Solder, Add	3.97	
		For Brazed Fittings Instead Of 95/5 Solder, Add	3.57	
		For Work In Restricted Working Space, Add	7.13	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.78	
22 11 16 00-0626	EA	2" Copper Cap	39.58	16.25
		For Silver Solder Instead Of 95/5 Solder, Add	4.43	
		For Brazed Fittings Instead Of 95/5 Solder, Add	3.68	
		For Work In Restricted Working Space, Add	7.37	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0627	EA		2-1/2" Copper Cap	68.80	18.99
			For Silver Solder Instead Of 95/5 Solder, Add	6.32	
			For Brazed Fittings Instead Of 95/5 Solder, Add	4.33	
			For Work In Restricted Working Space, Add	8.65	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.88	
22 11 16 00-0628	EA		3" Copper Cap	94.13	24.38
			For Silver Solder Instead Of 95/5 Solder, Add	8.40	
			For Brazed Fittings Instead Of 95/5 Solder, Add	5.54	
			For Work In Restricted Working Space, Add	11.07	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.55	
22 11 16 00-0629	EA		4" Copper Cap	163.86	36.84
			For Silver Solder Instead Of 95/5 Solder, Add	13.78	
			For Brazed Fittings Instead Of 95/5 Solder, Add	8.38	
			For Work In Restricted Working Space, Add	16.75	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-10.99	
22 11 16 00-0630	EA		5" Cast Bronze Cap	845.28	56.76
			For Silver Solder Instead Of 95/5 Solder, Add	50.86	
			For Brazed Fittings Instead Of 95/5 Solder, Add	12.90	
			For Work In Restricted Working Space, Add	25.80	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-46.56	
22 11 16 00-0631	EA		6" Cast Bronze Cap	1,637.89	82.61
			For Silver Solder Instead Of 95/5 Solder, Add	94.41	
			For Brazed Fittings Instead Of 95/5 Solder, Add	18.77	
			For Work In Restricted Working Space, Add	37.54	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-88.15	
22 11 16 00-0632	EA		8" Cast Bronze Cap	2,086.76	110.07
			For Silver Solder Instead Of 95/5 Solder, Add	121.02	
			For Brazed Fittings Instead Of 95/5 Solder, Add	25.02	
			For Work In Restricted Working Space, Add	50.05	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-112.68	
22 11 16 00-0633 Copper Crosses (22 11 16 00-0451)					
22 11 16 00-0634	EA		1/2" Copper Cross	90.50	50.34
			For Silver Solder Instead Of 95/5 Solder, Add	12.08	
			For Brazed Fittings Instead Of 95/5 Solder, Add	11.33	
			For Work In Restricted Working Space, Add	22.66	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.30	
22 11 16 00-0635	EA		3/4" Copper Cross	122.93	62.59
			For Silver Solder Instead Of 95/5 Solder, Add	15.53	
			For Brazed Fittings Instead Of 95/5 Solder, Add	14.07	
			For Work In Restricted Working Space, Add	28.15	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-10.84	
22 11 16 00-0636	EA		1" Copper Cross	161.58	74.72
			For Silver Solder Instead Of 95/5 Solder, Add	19.29	
			For Brazed Fittings Instead Of 95/5 Solder, Add	16.82	
			For Work In Restricted Working Space, Add	33.64	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-13.69	
22 11 16 00-0637	EA		1-1/4" Copper Cross	192.36	80.89
			For Silver Solder Instead Of 95/5 Solder, Add	21.75	
			For Brazed Fittings Instead Of 95/5 Solder, Add	18.19	
			For Work In Restricted Working Space, Add	36.39	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-15.68	
22 11 16 00-0638	EA		1-1/2" Copper Cross	234.03	88.44
			For Silver Solder Instead Of 95/5 Solder, Add	24.97	
			For Brazed Fittings Instead Of 95/5 Solder, Add	19.91	
			For Work In Restricted Working Space, Add	39.82	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-18.34	
22 11 16 00-0639	EA		2" Copper Cross	340.12	99.21
			For Silver Solder Instead Of 95/5 Solder, Add	31.88	
			For Brazed Fittings Instead Of 95/5 Solder, Add	22.31	
			For Work In Restricted Working Space, Add	44.62	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-24.44	
22 11 16 00-0640	EA		2-1/2" Copper Cross	605.90	109.84
			For Silver Solder Instead Of 95/5 Solder, Add	46.77	
			For Brazed Fittings Instead Of 95/5 Solder, Add	24.71	
			For Work In Restricted Working Space, Add	49.43	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-38.53	
22 11 16 00-0641 Cast Bronze Crosses (22 11 16 00-0451)					
22 11 16 00-0642	EA		3/8" Cast Bronze Cross	74.89	36.61
			For Silver Solder Instead Of 95/5 Solder, Add	9.24	
			For Brazed Fittings Instead Of 95/5 Solder, Add	8.24	
			For Work In Restricted Working Space, Add	16.48	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.49	
22 11 16 00-0643	EA		1/2" Cast Bronze Cross	93.49	50.34
			For Silver Solder Instead Of 95/5 Solder, Add	12.23	
			For Brazed Fittings Instead Of 95/5 Solder, Add	11.33	
			For Work In Restricted Working Space, Add	22.66	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.45	
22 11 16 00-0644	EA		3/4" Cast Bronze Cross	128.75	62.59
			For Silver Solder Instead Of 95/5 Solder, Add	15.82	
			For Brazed Fittings Instead Of 95/5 Solder, Add	14.07	
			For Work In Restricted Working Space, Add	28.15	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-11.13	

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 11 16 00-0645	EA	1" Cast Bronze Cross	171.46	74.72
		For Silver Solder Instead Of 95/5 Solder, Add	19.79	
		For Brazed Fittings Instead Of 95/5 Solder, Add	16.82	
		For Work In Restricted Working Space, Add	33.64	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-14.18	
22 11 16 00-0646	EA	1-1/4" Cast Bronze Cross	206.58	80.89
		For Silver Solder Instead Of 95/5 Solder, Add	22.46	
		For Brazed Fittings Instead Of 95/5 Solder, Add	18.19	
		For Work In Restricted Working Space, Add	36.39	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-16.39	
22 11 16 00-0647	EA	1-1/2" Cast Bronze Cross	254.29	88.44
		For Silver Solder Instead Of 95/5 Solder, Add	25.99	
		For Brazed Fittings Instead Of 95/5 Solder, Add	19.91	
		For Work In Restricted Working Space, Add	39.82	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-19.35	
22 11 16 00-0648	EA	2" Cast Bronze Cross	352.56	99.21
		For Silver Solder Instead Of 95/5 Solder, Add	32.50	
		For Brazed Fittings Instead Of 95/5 Solder, Add	22.31	
		For Work In Restricted Working Space, Add	44.62	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-25.07	
22 11 16 00-0649	EA	2-1/2" Cast Bronze Cross	694.13	109.84
		For Silver Solder Instead Of 95/5 Solder, Add	51.18	
		For Brazed Fittings Instead Of 95/5 Solder, Add	24.71	
		For Work In Restricted Working Space, Add	49.43	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-42.94	

22 11 16 00-0650 Flexible Corrugated Copper Supply Line (22 11 16 00-0451)

22 11 16 00-0651	EA	3/4" Threaded x 3/4" Solder x 18" Long, Flexible Corrugated Copper Supply Line	81.65	34.05
22 11 16 00-0652	EA	3/4" Threaded x 3/4" Solder x 24" Long, Flexible Corrugated Copper Supply Line	85.34	34.05
22 11 16 00-0653	EA	3/4" Threaded x 3/4" Threaded x 12" Long, Flexible Corrugated Copper Supply Line	75.00	34.05
22 11 16 00-0654	EA	3/4" Threaded x 3/4" Threaded x 15" Long, Flexible Corrugated Copper Supply Line	79.18	34.05
22 11 16 00-0655	EA	3/4" Threaded x 3/4" Threaded x 18" Long, Flexible Corrugated Copper Supply Line	82.88	34.05
22 11 16 00-0656	EA	3/4" Threaded x 3/4" Threaded x 24" Long, Flexible Corrugated Copper Supply Line	85.34	34.05

22 11 16 00-0657 Crimped Copper Fittings (22 11 16 00-0383)
 Note: Viega ProPress type. Includes factory installed ethylene propylene diene monomer (EPDM) sealing elements.
22 11 16 00-0658 Crimped Copper 90 Degree Elbows (22 11 16 00-0657)

22 11 16 00-0659	EA	1/2" Crimped Copper 90 Degree Elbow	26.35	14.92
		For Work In Restricted Working Space, Add	6.71	
22 11 16 00-0660	EA	3/4" Crimped Copper 90 Degree Elbow	32.24	17.03
		For Work In Restricted Working Space, Add	7.64	
22 11 16 00-0661	EA	1" Crimped Copper 90 Degree Elbow	44.00	20.26
		For Work In Restricted Working Space, Add	9.13	
22 11 16 00-0662	EA	1-1/4" Crimped Copper 90 Degree Elbow	60.94	22.36
		For Work In Restricted Working Space, Add	10.07	
22 11 16 00-0663	EA	1-1/2" Crimped Copper 90 Degree Elbow	89.14	24.85
		For Work In Restricted Working Space, Add	11.18	
22 11 16 00-0664	EA	2" Crimped Copper 90 Degree Elbow	116.81	29.82
		For Work In Restricted Working Space, Add	13.42	
22 11 16 00-0665	EA	2-1/2" Crimped Copper 90 Degree Elbow	261.53	34.79
		For Work In Restricted Working Space, Add	15.66	
22 11 16 00-0666	EA	3" Crimped Copper 90 Degree Elbow	325.50	41.38
		For Work In Restricted Working Space, Add	18.64	
22 11 16 00-0667	EA	4" Crimped Copper 90 Degree Elbow	407.86	54.68
		For Work In Restricted Working Space, Add	24.60	

22 11 16 00-0668 Crimped Copper 45 Degree Elbows (22 11 16 00-0657)

22 11 16 00-0669	EA	1/2" Crimped Copper 45 Degree Elbow	27.01	14.92
		For Work In Restricted Working Space, Add	6.71	
22 11 16 00-0670	EA	3/4" Crimped Copper 45 Degree Elbow	31.18	17.03
		For Work In Restricted Working Space, Add	7.64	
22 11 16 00-0671	EA	1" Crimped Copper 45 Degree Elbow	48.80	20.26
		For Work In Restricted Working Space, Add	9.13	
22 11 16 00-0672	EA	1-1/4" Crimped Copper 45 Degree Elbow	59.88	22.36
		For Work In Restricted Working Space, Add	10.07	
22 11 16 00-0673	EA	1-1/2" Crimped Copper 45 Degree Elbow	79.97	24.85
		For Work In Restricted Working Space, Add	11.18	
22 11 16 00-0674	EA	2" Crimped Copper 45 Degree Elbow	104.44	29.82
		For Work In Restricted Working Space, Add	13.42	
22 11 16 00-0675	EA	2-1/2" Crimped Copper 45 Degree Elbow	190.47	34.79
		For Work In Restricted Working Space, Add	15.66	
22 11 16 00-0676	EA	3" Crimped Copper 45 Degree Elbow	259.70	41.38
		For Work In Restricted Working Space, Add	18.64	
22 11 16 00-0677	EA	4" Crimped Copper 45 Degree Elbow	356.38	54.68
		For Work In Restricted Working Space, Add	24.60	

22 11 16 00-0678 Crimped Copper Straight Tees (22 11 16 00-0657)

22 11 16 00-0679	EA	1/2" Crimped Copper Straight Tee	39.66	22.36
		For Work In Restricted Working Space, Add	10.07	
22 11 16 00-0680	EA	3/4" Crimped Copper Straight Tee	54.88	29.45
		For Work In Restricted Working Space, Add	13.23	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0681	EA		1" Crimped Copper Straight Tee.....	68.50	32.68
			For Work In Restricted Working Space, Add	14.72	
22 11 16 00-0682	EA		1-1/4" Crimped Copper Straight Tee.....	83.17	33.55
			For Work In Restricted Working Space, Add	15.10	
22 11 16 00-0683	EA		1-1/2" Crimped Copper Straight Tee.....	120.98	38.15
			For Work In Restricted Working Space, Add	17.15	
22 11 16 00-0684	EA		2" Crimped Copper Straight Tee.....	145.94	44.74
			For Work In Restricted Working Space, Add	20.13	
22 11 16 00-0685	EA		2-1/2" Crimped Copper Straight Tee.....	336.93	52.19
			For Work In Restricted Working Space, Add	23.49	
22 11 16 00-0686	EA		3" Crimped Copper Straight Tee.....	416.48	62.13
			For Work In Restricted Working Space, Add	27.96	
22 11 16 00-0687	EA		4" Crimped Copper Straight Tee.....	576.65	82.01
			For Work In Restricted Working Space, Add	36.91	
22 11 16 00-0688 Crimped Copper Reducing Tees (22 11 16 00-0657)					
22 11 16 00-0689	EA		3/4" Crimped Copper Reducing Tee.....	48.55	21.25
			For Work In Restricted Working Space, Add	9.58	
22 11 16 00-0690	EA		1" Crimped Copper Reducing Tee.....	71.40	27.96
			For Work In Restricted Working Space, Add	12.56	
22 11 16 00-0691	EA		1-1/4" Crimped Copper Reducing Tee.....	76.64	31.07
			For Work In Restricted Working Space, Add	13.98	
22 11 16 00-0692	EA		1-1/2" Crimped Copper Reducing Tee.....	104.49	31.93
			For Work In Restricted Working Space, Add	14.35	
22 11 16 00-0693	EA		2" Crimped Copper Reducing Tee.....	125.98	36.16
			For Work In Restricted Working Space, Add	16.29	
22 11 16 00-0694	EA		2-1/2" Crimped Copper Reducing Tee.....	365.95	41.00
			For Work In Restricted Working Space, Add	18.64	
22 11 16 00-0695	EA		3" Crimped Copper Reducing Tee.....	446.50	49.71
			For Work In Restricted Working Space, Add	22.37	
22 11 16 00-0696	EA		4" Crimped Copper Reducing Tee.....	522.57	66.23
			For Work In Restricted Working Space, Add	29.82	
22 11 16 00-0697 Crimped Copper Couplings (22 11 16 00-0657)					
22 11 16 00-0698	EA		1/2" Crimped Copper Coupling.....	25.95	14.92
			For Work In Restricted Working Space, Add	6.71	
22 11 16 00-0699	EA		3/4" Crimped Copper Coupling.....	30.92	17.03
			For Work In Restricted Working Space, Add	7.64	
22 11 16 00-0700	EA		1" Crimped Copper Coupling.....	41.47	20.26
			For Work In Restricted Working Space, Add	9.13	
22 11 16 00-0701	EA		1-1/4" Crimped Copper Coupling.....	47.25	22.36
			For Work In Restricted Working Space, Add	10.07	
22 11 16 00-0702	EA		1-1/2" Crimped Copper Coupling.....	62.81	24.85
			For Work In Restricted Working Space, Add	11.18	
22 11 16 00-0703	EA		2" Crimped Copper Coupling.....	77.32	29.82
			For Work In Restricted Working Space, Add	13.42	
22 11 16 00-0704	EA		2-1/2" Crimped Copper Coupling.....	156.45	34.79
			For Work In Restricted Working Space, Add	15.66	
22 11 16 00-0705	EA		3" Crimped Copper Coupling.....	194.91	41.38
			For Work In Restricted Working Space, Add	18.64	
22 11 16 00-0706	EA		4" Crimped Copper Coupling.....	266.38	54.68
			For Work In Restricted Working Space, Add	24.60	
22 11 16 00-0707 Crimped Copper Reducing Couplings (22 11 16 00-0657)					
22 11 16 00-0708	EA		3/4" Crimped Copper Reducing Coupling.....	37.61	14.17
			For Work In Restricted Working Space, Add	6.38	
22 11 16 00-0709	EA		1" Crimped Copper Reducing Coupling.....	42.99	16.15
			For Work In Restricted Working Space, Add	7.27	
22 11 16 00-0710	EA		1-1/4" Crimped Copper Reducing Coupling.....	56.21	19.26
			For Work In Restricted Working Space, Add	8.69	
22 11 16 00-0711	EA		1-1/2" Crimped Copper Reducing Coupling.....	72.08	21.25
			For Work In Restricted Working Space, Add	9.58	
22 11 16 00-0712	EA		2" Crimped Copper Reducing Coupling.....	80.62	23.61
			For Work In Restricted Working Space, Add	10.63	
22 11 16 00-0713	EA		2-1/2" Crimped Copper FTG x C Reducing Coupling.....	165.41	28.21
			For Work In Restricted Working Space, Add	12.68	
22 11 16 00-0714	EA		3" Crimped Copper FTG x C Reducing Coupling.....	206.81	33.18
			For Work In Restricted Working Space, Add	14.91	
22 11 16 00-0715	EA		4" Crimped Copper FTG x C Reducing Coupling.....	268.54	43.86
			For Work In Restricted Working Space, Add	19.76	
22 11 16 00-0716 Crimped Copper Male Adapters (22 11 16 00-0657)					
22 11 16 00-0717	EA		1/2" Crimped Copper Male Adapter.....	26.75	14.92
			For Work In Restricted Working Space, Add	6.71	
22 11 16 00-0718	EA		3/4" Crimped Copper Male Adapter.....	33.44	17.03
			For Work In Restricted Working Space, Add	7.64	
22 11 16 00-0719	EA		1" Crimped Copper Male Adapter.....	45.06	20.26
			For Work In Restricted Working Space, Add	9.13	
22 11 16 00-0720	EA		1-1/4" Crimped Copper Male Adapter.....	65.59	22.36
			For Work In Restricted Working Space, Add	10.07	
22 11 16 00-0721	EA		1-1/2" Crimped Copper Male Adapter.....	82.22	24.85
			For Work In Restricted Working Space, Add	11.18	

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
22 11 16 00-0722	EA 2" Crimped Copper Male Adapter..... <i>For Work In Restricted Working Space, Add</i>	131.29 13.42		29.82	
22 11 16 00-0723	EA 2-1/2" Crimped Copper Male Adapter..... <i>For Work In Restricted Working Space, Add</i>	261.53 15.66		34.79	
22 11 16 00-0724	EA 3" Crimped Copper Male Adapter..... <i>For Work In Restricted Working Space, Add</i>	325.50 18.64		41.38	
22 11 16 00-0725	EA 4" Crimped Copper Male Adapter..... <i>For Work In Restricted Working Space, Add</i>	386.87 24.60		54.68	
22 11 16 00-0726 Crimped Copper Female Adapters (22 11 16 00-0657)					
22 11 16 00-0727	EA 1/2" Crimped Copper Female Adapter..... <i>For Work In Restricted Working Space, Add</i>	27.67 6.71		14.92	
22 11 16 00-0728	EA 3/4" Crimped Copper Female Adapter..... <i>For Work In Restricted Working Space, Add</i>	34.12 7.64		17.03	
22 11 16 00-0729	EA 1" Crimped Copper Female Adapter..... <i>For Work In Restricted Working Space, Add</i>	46.40 9.13		20.26	
22 11 16 00-0730	EA 1-1/4" Crimped Copper Female Adapter..... <i>For Work In Restricted Working Space, Add</i>	69.58 10.07		22.36	
22 11 16 00-0731	EA 1-1/2" Crimped Copper Female Adapter..... <i>For Work In Restricted Working Space, Add</i>	89.67 11.18		24.85	
22 11 16 00-0732	EA 2" Crimped Copper Female Adapter..... <i>For Work In Restricted Working Space, Add</i>	133.69 13.42		29.82	
22 11 16 00-0733 Crimped Copper Caps (22 11 16 00-0657)					
22 11 16 00-0734	EA 1/2" Crimped Copper Cap..... <i>For Work In Restricted Working Space, Add</i>	18.89 3.35		7.46	
22 11 16 00-0735	EA 3/4" Crimped Copper Cap..... <i>For Work In Restricted Working Space, Add</i>	26.06 3.91		8.70	
22 11 16 00-0736	EA 1" Crimped Copper Cap..... <i>For Work In Restricted Working Space, Add</i>	35.00 4.48		9.94	
22 11 16 00-0737	EA 1-1/4" Crimped Copper Cap..... <i>For Work In Restricted Working Space, Add</i>	39.51 5.03		11.18	
22 11 16 00-0738	EA 1-1/2" Crimped Copper Cap..... <i>For Work In Restricted Working Space, Add</i>	54.50 5.78		12.80	
22 11 16 00-0739	EA 2" Crimped Copper Cap..... <i>For Work In Restricted Working Space, Add</i>	65.17 6.71		14.92	
22 11 16 00-0740	EA 2-1/2" Crimped Copper Cap..... <i>For Work In Restricted Working Space, Add</i>	162.98 7.83		17.40	
22 11 16 00-0741	EA 3" Crimped Copper Cap..... <i>For Work In Restricted Working Space, Add</i>	204.30 9.32		20.75	
22 11 16 00-0742	EA 4" Crimped Copper Cap..... <i>For Work In Restricted Working Space, Add</i>	271.84 12.30		27.33	
22 11 16 00-0743 C x F NPT Crimped Bronze Unions (22 11 16 00-0657)					
22 11 16 00-0744	EA 1/2" C x F NPT Crimped Bronze Union..... <i>For Work In Restricted Working Space, Add</i>	53.05 9.13		20.26	
22 11 16 00-0745	EA 3/4" C x F NPT Crimped Bronze Union..... <i>For Work In Restricted Working Space, Add</i>	66.38 11.22		24.98	
22 11 16 00-0746	EA 1" C x F NPT Crimped Bronze Union..... <i>For Work In Restricted Working Space, Add</i>	93.00 13.46		29.95	
22 11 16 00-0747	EA 1-1/4" C x F NPT Crimped Bronze Union..... <i>For Work In Restricted Working Space, Add</i>	112.84 15.58		34.54	
22 11 16 00-0748	EA 1-1/2" C x F NPT Crimped Bronze Union..... <i>For Work In Restricted Working Space, Add</i>	146.44 15.21		33.80	
22 11 16 00-0749	EA 2" C x F NPT Crimped Bronze Union..... <i>For Work In Restricted Working Space, Add</i>	200.16 22.00		48.96	
22 11 16 00-0750 C x C Crimped Bronze Unions (22 11 16 00-0657)					
22 11 16 00-0751	EA 1/2" C x C Bronze Crimped Union..... <i>For Work In Restricted Working Space, Add</i>	50.55 6.71		14.92	
22 11 16 00-0752	EA 3/4" C x C Bronze Crimped Union..... <i>For Work In Restricted Working Space, Add</i>	62.43 7.64		17.03	
22 11 16 00-0753	EA 1" C x C Bronze Crimped Union..... <i>For Work In Restricted Working Space, Add</i>	89.47 9.13		20.26	
22 11 16 00-0754	EA 1-1/4" C x C Bronze Crimped Union..... <i>For Work In Restricted Working Space, Add</i>	117.85 10.07		22.36	
22 11 16 00-0755	EA 1-1/2" C x C Bronze Crimped Union..... <i>For Work In Restricted Working Space, Add</i>	151.76 11.18		24.85	
22 11 16 00-0756	EA 2" C x C Bronze Crimped Union..... <i>For Work In Restricted Working Space, Add</i>	231.69 13.42		29.82	
22 11 16 00-0757 C x Flange Crimped Bronze Flange (22 11 16 00-0657)					
22 11 16 00-0758	EA 2-1/2" C x Flange Crimped Bronze Flange..... <i>For Work In Restricted Working Space, Add</i>	452.47 15.66		34.79	
22 11 16 00-0759	EA 3" C x Flange Crimped Bronze Flange..... <i>For Work In Restricted Working Space, Add</i>	492.96 18.64		41.38	
22 11 16 00-0760	EA 4" C x Flange Crimped Bronze Flange..... <i>For Work In Restricted Working Space, Add</i>	564.32 24.60		54.68	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0761		Field Installed FKM Seals (22 11 16 00-0657) Note: For vacuum systems. Includes removing factory installed ethylene propylene diene monomer (EPDM) seal and installing FKM seal.		
22 11 16 00-0762	EA	1/2" Field Installed FKM Seal.....	7.86	
		Note: To be used in conjunction with fittings.		
		For Work In Restricted Working Space, Add	1.68	
22 11 16 00-0763	EA	3/4" Field Installed FKM Seal.....	9.98	
		Note: To be used in conjunction with fittings.		
		For Work In Restricted Working Space, Add	1.96	
22 11 16 00-0764	EA	1" Field Installed FKM Seal.....	11.45	
		Note: To be used in conjunction with fittings.		
		For Work In Restricted Working Space, Add	2.24	
22 11 16 00-0765	EA	1-1/4" Field Installed FKM Seal.....	13.17	
		Note: To be used in conjunction with fittings.		
		For Work In Restricted Working Space, Add	2.51	
22 11 16 00-0766	EA	1-1/2" Field Installed FKM Seal.....	18.68	
		Note: To be used in conjunction with fittings.		
		For Work In Restricted Working Space, Add	2.89	
22 11 16 00-0767	EA	2" Field Installed FKM Seal.....	20.75	
		Note: To be used in conjunction with fittings.		
		For Work In Restricted Working Space, Add	3.35	
22 11 16 00-0768	EA	2-1/2" Field Installed FKM Seal.....	31.26	
		Note: To be used in conjunction with fittings.		
		For Work In Restricted Working Space, Add	3.91	
22 11 16 00-0769	EA	3" Field Installed FKM Seal.....	35.87	
		Note: To be used in conjunction with fittings.		
		For Work In Restricted Working Space, Add	4.66	
22 11 16 00-0770	EA	4" Field Installed FKM Seal.....	48.95	
		Note: To be used in conjunction with fittings.		
		For Work In Restricted Working Space, Add	6.15	
22 11 16 00-0771		Cut And Prepare Existing In-Place Copper Pipe (22 11 16 00-0383)		
22 11 16 00-0772	EA	Up To 1/2", Cut And Prepare Existing In Place Copper Pipe.....	12.43	
22 11 16 00-0773	EA	3/4", Cut And Prepare Existing In Place Copper Pipe.....	13.42	
22 11 16 00-0774	EA	1", Cut And Prepare Existing In Place Copper Pipe.....	15.10	
22 11 16 00-0775	EA	1-1/4", Cut And Prepare Existing In Place Copper Pipe.....	15.84	
22 11 16 00-0776	EA	1-1/2", Cut And Prepare Existing In Place Copper Pipe.....	16.78	
22 11 16 00-0777	EA	2", Cut And Prepare Existing In Place Copper Pipe.....	18.46	
22 11 16 00-0778	EA	2-1/2", Cut And Prepare Existing In Place Copper Pipe.....	19.89	
22 11 16 00-0779	EA	3", Cut And Prepare Existing In Place Copper Pipe.....	23.48	
22 11 16 00-0780	EA	4", Cut And Prepare Existing In Place Copper Pipe.....	31.68	
22 11 16 00-0781	EA	6", Cut And Prepare Existing In Place Copper Pipe.....	45.29	
22 11 16 00-0782	EA	8", Cut And Prepare Existing In Place Copper Pipe.....	60.39	
22 11 16 00-0783		Sweat Brass Companion Flanges (22 11 16 00-0383) Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.		
22 11 16 00-0784	EA	1" Sweat Brass Companion Flange.....	69.93	19.11
22 11 16 00-0785	EA	1-1/4" Sweat Brass Companion Flange.....	76.33	21.05
22 11 16 00-0786	EA	1-1/2" Sweat Brass Companion Flange.....	109.13	22.89
22 11 16 00-0787	EA	2" Sweat Brass Companion Flange.....	146.02	25.40
22 11 16 00-0788	EA	2-1/2" Sweat Brass Companion Flange.....	169.00	30.55
22 11 16 00-0789	EA	3" Sweat Brass Companion Flange.....	187.60	40.04
22 11 16 00-0790	EA	4" Sweat Brass Companion Flange.....	249.48	47.72
22 11 16 00-0791	EA	5" Sweat Brass Companion Flange.....	467.34	56.04
22 11 16 00-0792	EA	6" Sweat Brass Companion Flange.....	543.48	81.43
22 11 16 00-0793	EA	8" Copper Companion Flange.....	1,233.46	116.15
22 11 16 00-0794		Brass Compression Fittings (22 11 16 00-0383)		
22 11 16 00-0795		Brass Compression Unions (22 11 16 00-0794)		
22 11 16 00-0796	EA	1/4" Brass Compression Union.....	21.21	13.42
22 11 16 00-0797	EA	3/8" Brass Compression Union.....	21.51	13.42
22 11 16 00-0798	EA	1/2" Brass Compression Union.....	22.42	13.42
22 11 16 00-0799	EA	5/8" Brass Compression Union.....	22.85	13.42
22 11 16 00-0800	EA	3/4" Brass Compression Union.....	31.46	13.42
22 11 16 00-0801	EA	3/8" x 1/4" Brass Compression Union.....	21.72	13.42
22 11 16 00-0802	EA	1/2" x 3/8" Brass Compression Union.....	22.49	13.42
22 11 16 00-0803	EA	5/8" x 3/8" Brass Compression Union.....	23.03	13.42
22 11 16 00-0804	EA	5/8" x 1/2" Brass Compression Union.....	23.89	13.42
22 11 16 00-0805		Brass Compression Union Elbows (22 11 16 00-0794)		
22 11 16 00-0806	EA	1/4" Brass Compression Union Elbow.....	22.42	13.42
22 11 16 00-0807	EA	3/8" Brass Compression Union Elbow.....	22.91	13.42
22 11 16 00-0808	EA	1/2" Brass Compression Union Elbow.....	23.99	13.42
22 11 16 00-0809	EA	5/8" Brass Compression Union Elbow.....	25.66	13.42
22 11 16 00-0810	EA	3/4" Brass Compression Union Elbow.....	32.19	13.42
22 11 16 00-0811	EA	3/8" x 1/4" Brass Compression Union Elbow.....	22.91	13.42
22 11 16 00-0812	EA	1/2" x 3/8" Brass Compression Union Elbow.....	23.99	13.42
22 11 16 00-0813	EA	5/8" x 3/8" Brass Compression Union Elbow.....	24.29	13.42
22 11 16 00-0814	EA	5/8" x 1/2" Brass Compression Union Elbow.....	29.19	13.42

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 11 16 00-0815 Brass Compression Union Tees (22 11 16 00-0794)			
22 11 16 00-0816	EA	1/4" Brass Compression Union Tee.....	22.79 13.42
22 11 16 00-0817	EA	3/8" Brass Compression Union Tee.....	23.81 13.42
22 11 16 00-0818	EA	1/2" Brass Compression Union Tee.....	24.89 13.42
22 11 16 00-0819	EA	5/8" Brass Compression Union Tee.....	28.30 13.42
22 11 16 00-0820	EA	3/4" Brass Compression Union Tee.....	40.08 13.42
22 11 16 00-0821	EA	3/8" x 3/8" x 1/4" Brass Compression Union Tee.....	24.53 13.42
22 11 16 00-0822	EA	1/2" x 1/2" x 3/8" Brass Compression Union Tee.....	30.06 13.42
22 11 16 00-0823	EA	5/8" x 5/8" x 3/8" Brass Compression Union Tee.....	29.53 13.42
22 11 16 00-0824	EA	5/8" x 5/8" x 1/2" Brass Compression Union Tee.....	30.15 13.42
22 11 16 00-0825 Brass Compression Male Connectors (22 11 16 00-0794)			
22 11 16 00-0826	EA	1/4" Brass Compression Male Connector.....	21.00 13.42
22 11 16 00-0827	EA	3/8" Brass Compression Male Connector.....	21.39 13.42
22 11 16 00-0828	EA	1/2" Brass Compression Male Connector.....	22.07 13.42
22 11 16 00-0829	EA	5/8" Brass Compression Male Connector.....	23.09 13.42
22 11 16 00-0830	EA	3/4" Brass Compression Male Connector.....	28.05 13.29
22 11 16 00-0831 Brass Compression Female Connectors (22 11 16 00-0794)			
22 11 16 00-0832	EA	1/4" Brass Compression Female Connector.....	21.43 13.42
22 11 16 00-0833	EA	3/8" Brass Compression Female Connector.....	21.94 13.42
22 11 16 00-0834	EA	1/2" Brass Compression Female Connector.....	22.81 13.42
22 11 16 00-0835	EA	5/8" Brass Compression Female Connector.....	23.38 13.42
22 11 16 00-0836	EA	3/4" Brass Compression Female Connector.....	36.01 13.17
22 11 16 00-0837 Dielectric Fittings (22 11 16 00-0383)			
22 11 16 00-0838 Copper x Female Iron Pipe Thread Dielectric Unions (22 11 16 00-0837)			
22 11 16 00-0839	EA	1/2" Copper x Female Iron Pipe Thread Dielectric Union.....	52.38 29.82
22 11 16 00-0840	EA	3/4" Copper x Female Iron Pipe Thread Dielectric Union.....	58.58 34.05
22 11 16 00-0841	EA	1" Copper x Female Iron Pipe Thread Dielectric Union.....	69.36 37.42
22 11 16 00-0842	EA	1-1/4" Copper x Female Iron Pipe Thread Dielectric Union.....	83.59 41.19
22 11 16 00-0843	EA	1-1/2" Copper x Female Iron Pipe Thread Dielectric Union.....	100.61 45.77
22 11 16 00-0844	EA	2" Copper x Female Iron Pipe Thread Dielectric Union.....	127.42 54.92
22 11 16 00-0845 Female Brass Thread x Iron Pipe Thread Dielectric Unions (22 11 16 00-0837)			
22 11 16 00-0846	EA	1/2" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	57.21 29.82
22 11 16 00-0847	EA	3/4" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	66.54 34.05
22 11 16 00-0848	EA	1" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	79.85 37.42
22 11 16 00-0849	EA	1-1/4" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	97.50 41.19
22 11 16 00-0850	EA	1-1/2" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	117.82 45.77
22 11 16 00-0851	EA	2" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	147.60 54.92
22 11 16 00-0852 Female Iron Pipe Thread x Iron Pipe Thread Dielectric Unions (22 11 16 00-0837)			
22 11 16 00-0853	EA	1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union.....	54.15 29.82
22 11 16 00-0854	EA	3/4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union.....	61.49 34.05
22 11 16 00-0855	EA	1" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union.....	70.13 37.42
22 11 16 00-0856	EA	1-1/4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union.....	80.90 41.19
22 11 16 00-0857	EA	1-1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union.....	97.94 45.77
22 11 16 00-0858	EA	2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union.....	125.28 54.92
22 11 16 00-0859 Copper x Female Iron Pipe Thread Dielectric Flanges (22 11 16 00-0837)			
22 11 16 00-0860	EA	2-1/2" Copper x Female Iron Pipe Thread Dielectric Flange.....	311.05 141.19
22 11 16 00-0861	EA	3" Copper x Female Iron Pipe Thread Dielectric Flange.....	389.52 177.81
22 11 16 00-0862	EA	4" Copper x Female Iron Pipe Thread Dielectric Flange.....	548.20 242.00
22 11 16 00-0863 Copper x Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flanges (22 11 16 00-0837)			
22 11 16 00-0864	EA	2-1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange.....	313.04 141.19
22 11 16 00-0865	EA	3" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange.....	405.36 177.81
22 11 16 00-0866	EA	4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange.....	730.85 242.00
22 11 16 00-0867 Brass Push-Fit Fittings (22 11 16)			
22 11 16 00-0868	EA	1/4" x 1/4" Brass Push-Fit Coupling.....	27.05 12.43
		Note: (Sharkbite)	
22 11 16 00-0869	EA	3/8" x 3/8" Brass Push-Fit Coupling.....	33.72 13.25
		Note: (Sharkbite)	
22 11 16 00-0870	EA	1/2" x 1/2" Brass Push-Fit Coupling.....	34.86 14.92
		Note: (Sharkbite)	
22 11 16 00-0871	EA	5/8" x 5/8" Brass Push-Fit Coupling.....	40.21 15.90
		Note: (Sharkbite)	
22 11 16 00-0872	EA	3/4" x 3/4" Brass Push-Fit Coupling.....	40.94 16.99
		Note: (Sharkbite)	
22 11 16 00-0873	EA	1" x 1" Brass Push-Fit Coupling.....	57.77 20.29
		Note: (Sharkbite)	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0874	EA		1/2" x 3/8" Brass Push-Fit Reducing Coupling..... Note: (Sharkbite)	34.29	14.08
22 11 16 00-0875	EA		3/4" x 5/8" Brass Push-Fit Reducing Coupling..... Note: (Sharkbite)	39.76	15.41
22 11 16 00-0876	EA		1" x 3/4" Brass Push-Fit Reducing Coupling..... Note: (Sharkbite)	59.50	18.64
22 11 16 00-0877	EA		1/4" x 1/4" Brass Push-Fit Elbow Note: (Sharkbite)	28.27	12.43
22 11 16 00-0878	EA		3/8" x 3/8" Brass Push-Fit Elbow Note: (Sharkbite)	38.90	13.25
22 11 16 00-0879	EA		1/2" x 1/2" Brass Push-Fit Elbow Note: (Sharkbite)	35.53	14.92
22 11 16 00-0880	EA		5/8" x 5/8" Brass Push-Fit Elbow Note: (Sharkbite)	43.22	15.90
22 11 16 00-0881	EA		3/4" x 3/4" Brass Push-Fit Elbow Note: (Sharkbite)	40.08	16.99
22 11 16 00-0882	EA		1" x 1" Brass Push-Fit Elbow Note: (Sharkbite)	58.43	20.29
22 11 16 00-0883	EA		1/2" x 3/8" Brass Push-Fit Reducing Elbow Note: (Sharkbite)	33.73	14.08
22 11 16 00-0884	EA		3/4" x 1/2" Brass Push-Fit Reducing Elbow Note: (Sharkbite)	37.62	15.41
22 11 16 00-0885	EA		1" x 3/4" Brass Push-Fit Reducing Elbow Note: (Sharkbite)	74.32	18.64
22 11 16 00-0886	EA		1/4" x 1/4" x 1/4" Brass Push-Fit Tee..... Note: (Sharkbite)	42.90	18.64
22 11 16 00-0887	EA		3/8" x 3/8" x 3/8" Brass Push-Fit Tee..... Note: (Sharkbite)	54.56	19.89
22 11 16 00-0888	EA		1/2" x 1/2" x 1/2" Brass Push-Fit Tee..... Note: (Sharkbite)	49.70	22.36
22 11 16 00-0889	EA		5/8" x 5/8" x 5/8" Brass Push-Fit Tee..... Note: (Sharkbite)	63.56	23.86
22 11 16 00-0890	EA		3/4" x 3/4" x 3/4" Brass Push-Fit Tee..... Note: (Sharkbite)	58.02	25.47
22 11 16 00-0891	EA		1" x 1" x 1" Brass Push-Fit Tee..... Note: (Sharkbite)	79.60	30.44
22 11 16 00-0892	EA		1/2" x 1/2" x 1/4" Brass Push-Fit Reducing Tee..... Note: (Sharkbite)	56.02	21.12
22 11 16 00-0893	EA		1/2" x 1/2" x 3/8" Brass Push-Fit Reducing Tee..... Note: (Sharkbite)	56.32	21.54
22 11 16 00-0894	EA		3/4" x 3/4" x 1/2" Brass Push-Fit Reducing Tee..... Note: (Sharkbite)	56.01	24.45
22 11 16 00-0895	EA		1" x 1" x 3/4" Brass Push-Fit Reducing Tee..... Note: (Sharkbite)	77.27	28.79
22 11 16 00-0896	EA		1/4" x 1/2" Brass Push-Fit Pipe To FNPT Connector..... Note: (Sharkbite)	32.27	13.67
22 11 16 00-0897	EA		3/8" x 1/2" Brass Push-Fit Pipe To FNPT Connector..... Note: (Sharkbite)	31.85	14.08
22 11 16 00-0898	EA		1/2" x 1/2" Brass Push-Fit Pipe To FNPT Connector..... Note: (Sharkbite)	31.41	14.92
22 11 16 00-0899	EA		3/4" x 3/4" Brass Push-Fit Pipe To FNPT Connector..... Note: (Sharkbite)	35.98	16.99
22 11 16 00-0900	EA		1" x 1" Brass Push-Fit Pipe To FNPT Connector..... Note: (Sharkbite)	50.80	20.29
22 11 16 00-0901	EA		1/4" x 1/2" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	28.11	13.67
22 11 16 00-0902	EA		3/8" x 1/2" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	31.85	14.08
22 11 16 00-0903	EA		1/2" x 1/2" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	31.50	14.92
22 11 16 00-0904	EA		3/4" x 3/4" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	35.61	16.99
22 11 16 00-0905	EA		5/8" x 3/4" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	38.83	16.44
22 11 16 00-0906	EA		1" x 3/4" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	46.66	18.64
22 11 16 00-0907	EA		1" x 1" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	51.57	20.29
22 11 16 00-0908	EA		1/2" Brass Push-Fit Ball Valve Note: (Sharkbite)	45.80	14.92
22 11 16 00-0909	EA		3/4" Brass Push-Fit Ball Valve Note: (Sharkbite)	53.58	16.99
22 11 16 00-0910	EA		1" Brass Push-Fit Ball Valve Note: (Sharkbite)	70.92	20.29
22 11 16 00-0911	EA		1/2" Brass Push-Fit Check Valve Note: (Sharkbite)	49.14	14.92
22 11 16 00-0912	EA		3/4" Brass Push-Fit Check Valve Note: (Sharkbite)	59.22	16.99
22 11 16 00-0913	EA		1" Brass Push-Fit Check Valve Note: (Sharkbite)	100.26	20.29

22 11 16 00-0914

Copper Pipe With Fittings And Hangers Assemblies (22 11 16)

Note: Includes hangers and all coupling, elbow, tee and reducer fittings. All fittings are based on 95/5 solder. All hangers are complete assemblies installed in accordance with MSS SP 58 and 69. Excludes insulation. Not for use where detail is available.

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
22 11 16 00-0915	LF 1/2" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly.....	25.35		3.48
	Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.			
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.24		
	For Silver Solder Instead Of 95/5 Solder, Add	3.21		
	For For Brazed Fittings, Add	0.78		
	For Work In Restricted Working Space, Add	5.83		
	For Type K Tubing Instead Of Type L, Add	1.81		
	For Type M Tubing Instead Of Type L, Deduct	-1.49		
22 11 16 00-0916	LF 3/4" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly.....	29.28		4.47
	Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.			
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.57		
	For Silver Solder Instead Of 95/5 Solder, Add	3.67		
	For For Brazed Fittings, Add	0.88		
	For Work In Restricted Working Space, Add	6.61		
	For Type K Tubing Instead Of Type L, Add	2.15		
	For Type M Tubing Instead Of Type L, Deduct	-1.75		
22 11 16 00-0917	LF 1" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly.....	32.39		5.34
	Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.			
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.77		
	For Silver Solder Instead Of 95/5 Solder, Add	3.93		
	For For Brazed Fittings, Add	0.92		
	For Work In Restricted Working Space, Add	6.93		
	For Type K Tubing Instead Of Type L, Add	2.55		
	For Type M Tubing Instead Of Type L, Deduct	-2.04		
22 11 16 00-0918	LF 1-1/4" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly	36.90		6.21
	Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.			
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.04		
	For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	-1.29		
	For Silver Solder Instead Of 95/5 Solder, Add	4.24		
	For For Brazed Fittings, Add	0.96		
	For Work In Restricted Working Space, Add	7.19		
	For Type K Tubing Instead Of Type L, Add	3.21		
	For Type M Tubing Instead Of Type L, Deduct	-2.51		
22 11 16 00-0919	LF 1-1/2" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly	41.15		7.09
	Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.			
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.34		
	For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	-1.56		
	For Silver Solder Instead Of 95/5 Solder, Add	4.61		
	For For Brazed Fittings, Add	1.02		
	For Work In Restricted Working Space, Add	7.67		
	For Type K Tubing Instead Of Type L, Add	3.74		
	For Type M Tubing Instead Of Type L, Deduct	-2.89		
22 11 16 00-0920	LF 2" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly.....	52.24		8.83
	Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.			
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.08		
	For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	-2.28		
	For Silver Solder Instead Of 95/5 Solder, Add	5.56		
	For For Brazed Fittings, Add	1.18		
	For Work In Restricted Working Space, Add	8.83		
	For Type K Tubing Instead Of Type L, Add	5.15		
	For Type M Tubing Instead Of Type L, Deduct	-3.91		
22 11 16 00-0921	LF 2-1/2" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly	64.37		10.64
	Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.			
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.80		
	For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	-3.28		
	For Silver Solder Instead Of 95/5 Solder, Add	6.38		
	For For Brazed Fittings, Add	1.26		
	For Work In Restricted Working Space, Add	9.47		
	For Type K Tubing Instead Of Type L, Add	6.98		
	For Type M Tubing Instead Of Type L, Deduct	-5.20		
22 11 16 00-0922	LF 3" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly.....	78.84		12.35
	Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.			
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.65		
	For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	-4.47		
	For Silver Solder Instead Of 95/5 Solder, Add	7.36		
	For For Brazed Fittings, Add	1.37		
	For Work In Restricted Working Space, Add	10.26		
	For Type K Tubing Instead Of Type L, Add	9.15		
	For Type M Tubing Instead Of Type L, Deduct	-6.73		
22 11 16 00-0923	LF 4" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly.....	123.45		16.36
	Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.			
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.38		
	For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	-7.92		
	For Silver Solder Instead Of 95/5 Solder, Add	10.59		
	For For Brazed Fittings, Add	1.77		
	For Work In Restricted Working Space, Add	13.26		
	For Type K Tubing Instead Of Type L, Add	15.59		
	For Type M Tubing Instead Of Type L, Deduct	-11.28		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0924	LF		5" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly.....218.64		20.37
			Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-13.77	
			For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	-16.19	
			For Silver Solder Instead Of 95/5 Solder, Add	16.61	
			For For Brazed Fittings, Add	2.27	
			For Work In Restricted Working Space, Add	17.03	
			For Type K Tubing Instead Of Type L, Add	30.50	
			For Type M Tubing Instead Of Type L, Deduct	-21.70	
22 11 16 00-0925	LF		6" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly.....285.52		24.60
			Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-17.88	
			For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	-21.34	
			For Silver Solder Instead Of 95/5 Solder, Add	21.48	
			For For Brazed Fittings, Add	2.88	
			For Work In Restricted Working Space, Add	21.62	
			For Type K Tubing Instead Of Type L, Add	40.11	
			For Type M Tubing Instead Of Type L, Deduct	-28.50	
22 11 16 00-0926	LF		8" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly.....612.91		29.41
			Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-35.12	
			For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	-52.33	
			For Silver Solder Instead Of 95/5 Solder, Add	39.60	
			For For Brazed Fittings, Add	3.58	
			For Work In Restricted Working Space, Add	26.87	
			For Type K Tubing Instead Of Type L, Add	94.85	
			For Type M Tubing Instead Of Type L, Deduct	-66.38	
22 11 16 00-0927			Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe And Fittings (22 11 16)		
			Note: Socket weld.		
22 11 16 00-0928			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe And Fittings (22 11 16 00-0927)		
22 11 16 00-0929			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pipe (22 11 16 00-0928)		
22 11 16 00-0930	LF		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe .....6.47		1.83
			For Work In Restricted Working Space, Add	1.37	
22 11 16 00-0931	LF		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe .....7.40		1.92
			For Work In Restricted Working Space, Add	1.44	
22 11 16 00-0932	LF		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe .....8.99		2.07
			For Work In Restricted Working Space, Add	1.55	
22 11 16 00-0933	LF		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe .....10.92		2.26
			For Work In Restricted Working Space, Add	1.70	
22 11 16 00-0934	LF		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe .....12.62		2.50
			For Work In Restricted Working Space, Add	1.87	
22 11 16 00-0935	LF		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe .....15.81		2.79
			For Work In Restricted Working Space, Add	2.09	
22 11 16 00-0936	LF		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe .....21.45		3.17
			For Work In Restricted Working Space, Add	2.38	
22 11 16 00-0937	LF		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe .....27.42		3.76
			For Work In Restricted Working Space, Add	2.81	
22 11 16 00-0938	LF		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe .....38.01		4.61
			For Work In Restricted Working Space, Add	3.46	
22 11 16 00-0939	LF		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe .....65.88		5.86
			For Work In Restricted Working Space, Add	4.40	
22 11 16 00-0940	LF		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe .....94.77		7.69
			For Work In Restricted Working Space, Add	5.77	
22 11 16 00-0941			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbows (22 11 16 00-0928)		
22 11 16 00-0942	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow .....24.71		8.70
			For Work In Restricted Working Space, Add	6.52	
22 11 16 00-0943	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow .....32.08		10.98
			For Work In Restricted Working Space, Add	8.24	
22 11 16 00-0944	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow .....41.74		13.73
			For Work In Restricted Working Space, Add	10.33	
22 11 16 00-0945	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow .....57.08		17.17
			For Work In Restricted Working Space, Add	12.91	
22 11 16 00-0946	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow .....63.47		18.99
			For Work In Restricted Working Space, Add	14.28	
22 11 16 00-0947	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow .....74.49		18.99
			For Work In Restricted Working Space, Add	15.93	
22 11 16 00-0948	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow .....116.16		24.14
			For Work In Restricted Working Space, Add	18.12	
22 11 16 00-0949	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow .....131.97		28.61
			For Work In Restricted Working Space, Add	21.42	
22 11 16 00-0950	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow .....188.90		35.13
			For Work In Restricted Working Space, Add	26.36	
22 11 16 00-0951	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow .....238.30		44.62
			For Work In Restricted Working Space, Add	33.50	
22 11 16 00-0952	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow .....456.36		58.58
			For Work In Restricted Working Space, Add	43.94	

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 11 16 00-0953		Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbows (22 11 16 00-0928)	
22 11 16 00-0954	EA 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	26.19	8.70
	For Work In Restricted Working Space, Add	6.52	
22 11 16 00-0955	EA 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	33.85	10.98
	For Work In Restricted Working Space, Add	8.24	
22 11 16 00-0956	EA 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	44.63	13.73
	For Work In Restricted Working Space, Add	10.33	
22 11 16 00-0957	EA 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	60.88	17.17
	For Work In Restricted Working Space, Add	12.91	
22 11 16 00-0958	EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	68.08	18.99
	For Work In Restricted Working Space, Add	14.28	
22 11 16 00-0959	EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	76.06	21.29
	For Work In Restricted Working Space, Add	15.93	
22 11 16 00-0960	EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	117.15	24.14
	For Work In Restricted Working Space, Add	18.12	
22 11 16 00-0961	EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	131.85	28.61
	For Work In Restricted Working Space, Add	21.42	
22 11 16 00-0962	EA 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	170.80	35.13
	For Work In Restricted Working Space, Add	26.36	
22 11 16 00-0963	EA 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	272.23	44.62
	For Work In Restricted Working Space, Add	33.50	
22 11 16 00-0964	EA 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	480.40	58.58
	For Work In Restricted Working Space, Add	43.94	
22 11 16 00-0965		Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tees (22 11 16 00-0928)	
22 11 16 00-0966	EA 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	38.01	13.05
	For Work In Restricted Working Space, Add	9.78	
22 11 16 00-0967	EA 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	49.81	16.47
	For Work In Restricted Working Space, Add	12.36	
22 11 16 00-0968	EA 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	62.32	20.71
	For Work In Restricted Working Space, Add	15.52	
22 11 16 00-0969	EA 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	86.88	25.86
	For Work In Restricted Working Space, Add	19.36	
22 11 16 00-0970	EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	97.01	28.61
	For Work In Restricted Working Space, Add	21.42	
22 11 16 00-0971	EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	117.82	31.81
	For Work In Restricted Working Space, Add	23.89	
22 11 16 00-0972	EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	153.37	36.27
	For Work In Restricted Working Space, Add	27.19	
22 11 16 00-0973	EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	175.37	42.79
	For Work In Restricted Working Space, Add	32.13	
22 11 16 00-0974	EA 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	212.46	52.75
	For Work In Restricted Working Space, Add	39.54	
22 11 16 00-0975	EA 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	325.10	67.05
	For Work In Restricted Working Space, Add	50.25	
22 11 16 00-0976	EA 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	670.85	87.88
	For Work In Restricted Working Space, Add	65.91	
22 11 16 00-0977		Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Crosses (22 11 16 00-0928)	
22 11 16 00-0978	EA 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	48.13	17.39
	For Work In Restricted Working Space, Add	13.04	
22 11 16 00-0979	EA 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	62.34	21.97
	For Work In Restricted Working Space, Add	16.48	
22 11 16 00-0980	EA 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	78.01	27.58
	For Work In Restricted Working Space, Add	20.66	
22 11 16 00-0981	EA 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	105.30	34.44
	For Work In Restricted Working Space, Add	25.82	
22 11 16 00-0982	EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	117.26	38.10
	For Work In Restricted Working Space, Add	28.56	
22 11 16 00-0983	EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	139.08	42.45
	For Work In Restricted Working Space, Add	31.85	
22 11 16 00-0984	EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	174.86	48.29
	For Work In Restricted Working Space, Add	36.25	
22 11 16 00-0985	EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	201.59	57.10
	For Work In Restricted Working Space, Add	42.84	
22 11 16 00-0986	EA 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	245.21	70.26
	For Work In Restricted Working Space, Add	52.73	
22 11 16 00-0987	EA 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	359.08	89.36
	For Work In Restricted Working Space, Add	67.01	
22 11 16 00-0988	EA 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	681.51	117.17
	For Work In Restricted Working Space, Add	87.88	
22 11 16 00-0989		Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld Reducing Inserts (22 11 16 00-0928)	
22 11 16 00-0990	EA 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	21.92	8.00
	For Work In Restricted Working Space, Add	6.04	
22 11 16 00-0991	EA 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	30.57	10.87
	For Work In Restricted Working Space, Add	8.13	
22 11 16 00-0992	EA 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	51.30	14.19
	For Work In Restricted Working Space, Add	10.64	
22 11 16 00-0993	EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	57.93	15.68
	For Work In Restricted Working Space, Add	11.78	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 11 16 00-0994	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert.....	68.35	17.51
			<i>For Work In Restricted Working Space, Add</i>	13.15	
22 11 16 00-0995	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	74.42	19.91
			<i>For Work In Restricted Working Space, Add</i>	14.97	
22 11 16 00-0996	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert.....	90.34	23.57
			<i>For Work In Restricted Working Space, Add</i>	17.68	
22 11 16 00-0997	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert.....	122.89	28.95
			<i>For Work In Restricted Working Space, Add</i>	21.76	
22 11 16 00-0998	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert.....	199.36	36.84
			<i>For Work In Restricted Working Space, Add</i>	27.63	
22 11 16 00-0999	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert.....	443.50	48.29
			<i>For Work In Restricted Working Space, Add</i>	36.25	

22 11 16 00-1000 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Thread Reducing Inserts (22 11 16 00-0928)

22 11 16 00-1001	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	25.93	5.72
			<i>For Work In Restricted Working Space, Add</i>	4.29	
22 11 16 00-1002	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	32.68	8.00
			<i>For Work In Restricted Working Space, Add</i>	6.04	
22 11 16 00-1003	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert.....	40.55	10.87
			<i>For Work In Restricted Working Space, Add</i>	8.13	
22 11 16 00-1004	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	50.44	14.19
			<i>For Work In Restricted Working Space, Add</i>	10.64	
22 11 16 00-1005	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	59.21	15.68
			<i>For Work In Restricted Working Space, Add</i>	11.78	
22 11 16 00-1006	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert.....	74.71	17.51
			<i>For Work In Restricted Working Space, Add</i>	13.15	
22 11 16 00-1007	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	115.90	19.91
			<i>For Work In Restricted Working Space, Add</i>	14.97	
22 11 16 00-1008	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert.....	231.35	23.57
			<i>For Work In Restricted Working Space, Add</i>	17.68	
22 11 16 00-1009	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert.....	344.30	28.95
			<i>For Work In Restricted Working Space, Add</i>	21.76	

22 11 16 00-1010 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters (22 11 16 00-0928)

22 11 16 00-1011	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	18.75	5.72
			<i>For Work In Restricted Working Space, Add</i>	4.29	
22 11 16 00-1012	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	26.16	8.00
			<i>For Work In Restricted Working Space, Add</i>	6.04	
22 11 16 00-1013	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	37.25	10.87
			<i>For Work In Restricted Working Space, Add</i>	8.13	
22 11 16 00-1014	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	50.44	14.19
			<i>For Work In Restricted Working Space, Add</i>	10.64	
22 11 16 00-1015	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	59.50	15.68
			<i>For Work In Restricted Working Space, Add</i>	11.78	
22 11 16 00-1016	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	71.20	17.51
			<i>For Work In Restricted Working Space, Add</i>	13.15	
22 11 16 00-1017	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	101.72	19.91
			<i>For Work In Restricted Working Space, Add</i>	14.97	
22 11 16 00-1018	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	121.59	23.57
			<i>For Work In Restricted Working Space, Add</i>	17.68	
22 11 16 00-1019	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	178.51	28.95
			<i>For Work In Restricted Working Space, Add</i>	21.76	

22 11 16 00-1020 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters (22 11 16 00-0928)

22 11 16 00-1021	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	20.45	5.72
			<i>For Work In Restricted Working Space, Add</i>	4.29	
22 11 16 00-1022	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	26.70	8.00
			<i>For Work In Restricted Working Space, Add</i>	6.04	
22 11 16 00-1023	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	37.39	10.87
			<i>For Work In Restricted Working Space, Add</i>	8.13	
22 11 16 00-1024	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	50.93	14.19
			<i>For Work In Restricted Working Space, Add</i>	10.64	
22 11 16 00-1025	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	57.23	15.68
			<i>For Work In Restricted Working Space, Add</i>	11.78	
22 11 16 00-1026	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	69.34	17.51
			<i>For Work In Restricted Working Space, Add</i>	13.15	
22 11 16 00-1027	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	102.79	19.91
			<i>For Work In Restricted Working Space, Add</i>	14.97	
22 11 16 00-1028	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	140.31	23.57
			<i>For Work In Restricted Working Space, Add</i>	17.68	
22 11 16 00-1029	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	210.34	28.95
			<i>For Work In Restricted Working Space, Add</i>	21.76	

22 11 16 00-1030 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings (22 11 16 00-0928)

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
22 11 16 00-1031	EA 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	16.84	5.27		
		3.92			
22 11 16 00-1032	EA 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	23.66	7.32		
		5.49			
22 11 16 00-1033	EA 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	31.82	9.84		
		7.38			
22 11 16 00-1034	EA 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	43.03	12.93		
		9.68			
22 11 16 00-1035	EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	49.27	14.30		
		10.71			
22 11 16 00-1036	EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	55.57	15.91		
		11.95			
22 11 16 00-1037	EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	83.08	18.08		
		13.59			
22 11 16 00-1038	EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	91.69	21.40		
		16.07			
22 11 16 00-1039	EA 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	115.88	26.32		
		19.77			
22 11 16 00-1040	EA 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	182.34	33.53		
		25.13			
22 11 16 00-1041	EA 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	309.61	43.94		
		32.95			
22 11 16 00-1042 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions (22 11 16 00-0928)					
22 11 16 00-1043	EA 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	31.84	6.29		
		4.70			
22 11 16 00-1044	EA 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	38.92	8.81		
		6.59			
22 11 16 00-1045	EA 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	47.00	11.78		
		8.86			
22 11 16 00-1046	EA 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	79.78	15.45		
		11.60			
22 11 16 00-1047	EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	84.64	17.17		
		12.84			
22 11 16 00-1048	EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	117.26	19.11		
		14.35			
22 11 16 00-1049	EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	198.33	21.74		
		16.31			
22 11 16 00-1050	EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	281.89	25.75		
		19.29			
22 11 16 00-1051	EA 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	448.96	31.58		
		23.72			
22 11 16 00-1052	EA 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	600.04	40.16		
		30.14			
22 11 16 00-1053	EA 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	742.04	52.75		
		39.54			
22 11 16 00-1054 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Caps (22 11 16 00-0928)					
22 11 16 00-1055	EA 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap..... <i>For Work In Restricted Working Space, Add</i>	14.14	5.38		
		2.45			
22 11 16 00-1056	EA 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap..... <i>For Work In Restricted Working Space, Add</i>	18.79	6.75		
		3.09			
22 11 16 00-1057	EA 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap..... <i>For Work In Restricted Working Space, Add</i>	27.93	8.47		
		3.88			
22 11 16 00-1058	EA 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap..... <i>For Work In Restricted Working Space, Add</i>	32.58	6.40		
		4.84			
22 11 16 00-1059	EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap..... <i>For Work In Restricted Working Space, Add</i>	34.63	7.10		
		5.36			
22 11 16 00-1060	EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap..... <i>For Work In Restricted Working Space, Add</i>	46.93	8.00		
		5.97			
22 11 16 00-1061	EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap..... <i>For Work In Restricted Working Space, Add</i>	71.30	9.04		
		6.80			
22 11 16 00-1062	EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap..... <i>For Work In Restricted Working Space, Add</i>	76.54	10.75		
		8.03			
22 11 16 00-1063	EA 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap..... <i>For Work In Restricted Working Space, Add</i>	116.90	13.16		
		9.89			
22 11 16 00-1064	EA 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap..... <i>For Work In Restricted Working Space, Add</i>	250.76	16.70		
		12.56			
22 11 16 00-1065	EA 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap..... <i>For Work In Restricted Working Space, Add</i>	323.14	21.97		
		16.48			
22 11 16 00-1066 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges (22 11 16 00-0928)					
22 11 16 00-1067	EA 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges..... <i>For Work In Restricted Working Space, Add</i>	24.84	4.12		
		3.12			
22 11 16 00-1068	EA 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges..... <i>For Work In Restricted Working Space, Add</i>	30.11	5.84		
		4.40			
22 11 16 00-1069	EA 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges..... <i>For Work In Restricted Working Space, Add</i>	36.91	7.89		
		5.90			
22 11 16 00-1070	EA 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges..... <i>For Work In Restricted Working Space, Add</i>	43.59	10.30		
		7.76			
22 11 16 00-1071	EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges..... <i>For Work In Restricted Working Space, Add</i>	46.75	11.44		
		8.58			
22 11 16 00-1072	EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges..... <i>For Work In Restricted Working Space, Add</i>	55.93	12.70		
		9.54			

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1073	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges..... <i>For Work In Restricted Working Space, Add</i>	73.92 10.88	14.53
22 11 16 00-1074	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges..... <i>For Work In Restricted Working Space, Add</i>	83.86 12.84	17.17
22 11 16 00-1075	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges..... <i>For Work In Restricted Working Space, Add</i>	104.79 15.83	21.05
22 11 16 00-1076	EA	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges..... <i>For Work In Restricted Working Space, Add</i>	148.85 20.12	26.77
22 11 16 00-1077	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges..... <i>For Work In Restricted Working Space, Add</i>	272.43 26.36	35.13
22 11 16 00-1078		Polypropylene Random (PP-R), Heat Fusion, Domestic Water Pipe (22 11 16)		
22 11 16 00-1079		Polypropylene Random (PP-R), Heat Fusion, Domestic Hot Water Pipe (22 11 16) 00-1078		
		Note: Aquatherm greenpipe®		
22 11 16 00-1080	LF	1/2" SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe.....	5.67	1.94
22 11 16 00-1081	LF	3/4" SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe.....	6.75	2.03
22 11 16 00-1082	LF	1" SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe.....	9.28	2.44
22 11 16 00-1083	LF	1-1/4" SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe.....	11.89	2.62
22 11 16 00-1084	LF	1-1/2" SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe.....	16.75	2.93
22 11 16 00-1085	LF	2" SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe.....	22.60	2.99
22 11 16 00-1086	LF	2-1/2" SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe.....	32.31	4.07
22 11 16 00-1087	LF	3" SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe.....	43.16	4.70
22 11 16 00-1088	LF	3-1/2" SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe.....	58.54	5.25
22 11 16 00-1089	LF	4" SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe.....	69.41	5.80
22 11 16 00-1090		Polypropylene Random (PP-R), Heat Fusion, Domestic Cold Water Pipe (22 11) 16 00-1078		
		Note: Aquatherm greenpipe®		
22 11 16 00-1091	LF	1/2" SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe.....	5.11	1.94
22 11 16 00-1092	LF	3/4" SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe.....	5.83	2.03
22 11 16 00-1093	LF	1" SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe.....	7.63	2.44
22 11 16 00-1094	LF	1-1/4" SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe.....	9.46	2.62
22 11 16 00-1095	LF	1-1/2" SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe.....	12.53	2.93
22 11 16 00-1096	LF	2" SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe.....	16.59	2.99
22 11 16 00-1097	LF	2-1/2" SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe.....	23.07	4.07
22 11 16 00-1098	LF	3" SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe.....	30.96	4.70
22 11 16 00-1099	LF	3-1/2" SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe.....	43.22	5.25
22 11 16 00-1100	LF	4" SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe.....	51.25	5.80
22 11 16 00-1101		Polypropylene Random (PP-R), Heat Fusion, UV Protected, Domestic Hot Water Pipe (22 11 16 00-1078)		
		Note: Aquatherm greenpipe®.		
22 11 16 00-1102	LF	1/2" SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe.....	5.96	1.94
22 11 16 00-1103	LF	3/4" SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe.....	7.15	2.03
22 11 16 00-1104	LF	1" SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe.....	9.73	2.44
22 11 16 00-1105	LF	1-1/4" SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe.....	12.46	2.62
22 11 16 00-1106	LF	1-1/2" SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe.....	18.39	2.93
22 11 16 00-1107	LF	2" SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe.....	23.49	2.99
22 11 16 00-1108	LF	2-1/2" SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe.....	33.58	4.07
22 11 16 00-1109	LF	3" SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe.....	46.34	4.70
22 11 16 00-1110	LF	3-1/2" SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe.....	58.37	5.25
22 11 16 00-1111	LF	4" SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe.....	68.90	5.80
22 11 16 00-1112		Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe (22 11) 16 00-1078		
		Note: Aquatherm climatherm®.		
22 11 16 00-1113	LF	1/2" 7.4 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe.....	5.08	1.95
22 11 16 00-1114	LF	3/4" 7.4 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe.....	5.93	2.03
22 11 16 00-1115	LF	1" 11 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe.....	7.02	2.44
22 11 16 00-1116	LF	1-1/4" 11 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe.....	8.59	2.62
22 11 16 00-1117	LF	1-1/2" 11 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe.....	10.95	2.94
22 11 16 00-1118	LF	2" 11 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe.....	14.21	2.99
22 11 16 00-1119	LF	2-1/2" 11 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe.....	19.81	4.07
22 11 16 00-1120	LF	3" 11 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe.....	26.43	4.70
22 11 16 00-1121	LF	3-1/2" 11 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe.....	35.76	5.26
22 11 16 00-1122	LF	4" 11 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe.....	43.31	5.80
22 11 16 00-1123	LF	6" 11 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe.....	51.85	7.43
22 11 16 00-1124	LF	8" 11 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe.....	83.96	9.76
22 11 16 00-1125		Pipe Clamp For Polypropylene Random (PP-R) Pipe (22 11 16 00-1078)		
22 11 16 00-1126	EA	1/2" Pipe Clamp For Polypropylene Pipe.....	14.38	4.82
22 11 16 00-1127	EA	3/4" Pipe Clamp For Polypropylene Pipe.....	15.11	4.82
22 11 16 00-1128	EA	1" Pipe Clamp For Polypropylene Pipe.....	15.59	4.82
22 11 16 00-1129	EA	1-1/4" Pipe Clamp For Polypropylene Pipe.....	15.75	4.82
22 11 16 00-1130	EA	1-1/2" Pipe Clamp For Polypropylene Pipe.....	16.31	4.82
22 11 16 00-1131	EA	2" Pipe Clamp For Polypropylene Pipe.....	17.93	4.82
22 11 16 00-1132	EA	2-1/2" Pipe Clamp For Polypropylene Pipe.....	20.26	4.82
22 11 16 00-1133	EA	3" Pipe Clamp For Polypropylene Pipe.....	21.07	4.82
22 11 16 00-1134	EA	3-1/2" Pipe Clamp For Polypropylene Pipe.....	22.20	4.82
22 11 16 00-1135	EA	4" Pipe Clamp For Polypropylene Pipe.....	23.73	4.82

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 11 16 00-1136 Polypropylene Random (PP-R) Pipe, Pipe Fastening Strap (22 11 16 00-1078)			
22 11 16 00-1137	EA	Up to 1" Polypropylene Pipe, Single Pipe Fastening Strap, 1-3/8" Spike.....	4.69
22 11 16 00-1138	EA	Up to 1" Polypropylene Pipe, Single Pipe Fastening Strap, 2-1/2" Spike.....	4.89
22 11 16 00-1139	EA	Up to 1" Polypropylene Pipe, Double Pipe Fastening Strap, 1-3/8" Spike.....	4.99
22 11 16 00-1140	EA	Up to 1" Polypropylene Pipe, Double Pipe Fastening Strap, 2-1/2" Spike.....	5.06
22 11 16 00-1141 Polypropylene Random (PP-R) Pipe Plastic Pipe Clamp (22 11 16 00-1078)			
22 11 16 00-1142	EA	1/2" Polypropylene Pipe Plastic Pipe Clamp.....	10.87
22 11 16 00-1143	EA	3/4" Polypropylene Pipe Plastic Pipe Clamp.....	11.37
22 11 16 00-1144 Polypropylene Random (PP-R), Heat Fusion, Socket Coupling (22 11 16 00-1078)			
22 11 16 00-1145	EA	1/2" Polypropylene, Heat Fusion, Socket Coupling.....	9.81
22 11 16 00-1146	EA	3/4" Polypropylene, Heat Fusion, Socket Coupling.....	10.40
22 11 16 00-1147	EA	1" Polypropylene, Heat Fusion, Socket Coupling.....	12.77
22 11 16 00-1148	EA	1-1/4" Polypropylene, Heat Fusion, Socket Coupling.....	14.05
22 11 16 00-1149	EA	1-1/2" Polypropylene, Heat Fusion, Socket Coupling.....	19.30
22 11 16 00-1150	EA	2" Polypropylene, Heat Fusion, Socket Coupling.....	27.08
22 11 16 00-1151	EA	2-1/2" Polypropylene, Heat Fusion, Socket Coupling.....	33.18
22 11 16 00-1152	EA	3" Polypropylene, Heat Fusion, Socket Coupling.....	56.03
22 11 16 00-1153	EA	3-1/2" Polypropylene, Heat Fusion, Socket Coupling.....	81.56
22 11 16 00-1154	EA	4" Polypropylene, Heat Fusion, Socket Coupling.....	102.66
22 11 16 00-1155 Polypropylene Random (PP-R), Heat Fusion, Bushing (22 11 16 00-1078)			
22 11 16 00-1156	EA	1" Polypropylene, Heat Fusion, Bushing.....	10.82
22 11 16 00-1157	EA	1-1/4" Polypropylene, Heat Fusion, Bushing.....	12.81
22 11 16 00-1158	EA	1-1/2" Polypropylene, Heat Fusion, Bushing.....	17.51
22 11 16 00-1159	EA	2" Polypropylene, Heat Fusion, Bushing.....	25.95
22 11 16 00-1160	EA	2-1/2" Polypropylene, Heat Fusion, Bushing.....	29.08
22 11 16 00-1161	EA	3" Polypropylene, Heat Fusion, Bushing.....	50.58
22 11 16 00-1162	EA	3-1/2" Polypropylene, Heat Fusion, Bushing.....	78.00
22 11 16 00-1163	EA	4" x 2-1/2" Polypropylene, Heat Fusion, Bushing.....	94.16
22 11 16 00-1164	EA	4" x 3" Polypropylene, Heat Fusion, Bushing.....	114.74
22 11 16 00-1165	EA	4" x 3-1/2" Polypropylene, Heat Fusion, Bushing.....	119.73
22 11 16 00-1166 Polypropylene Random (PP-R), Heat Fusion, Reducing Coupling (22 11 16 00-1078)			
22 11 16 00-1167	EA	1-1/4" Polypropylene, Heat Fusion, Reducing Coupling.....	15.36
22 11 16 00-1168	EA	1-1/2" Polypropylene, Heat Fusion, Reducing Coupling.....	20.68
22 11 16 00-1169	EA	2" Polypropylene, Heat Fusion, Reducing Coupling.....	32.23
22 11 16 00-1170	EA	2-1/2" Polypropylene, Heat Fusion, Reducing Coupling.....	35.67
22 11 16 00-1171	EA	3" Polypropylene, Heat Fusion, Reducing Coupling.....	44.22
22 11 16 00-1172	EA	3-1/2" Polypropylene, Heat Fusion, Reducing Coupling.....	72.23
22 11 16 00-1173	EA	4" x 3" Polypropylene, Heat Fusion, Reducing Coupling.....	94.26
22 11 16 00-1174	EA	4" x 3-1/2" Polypropylene, Heat Fusion, Reducing Coupling.....	105.23
22 11 16 00-1175 Polypropylene Random (PP-R), Heat Fusion, 90 Degree Elbow (22 11 16 00-1078)			
22 11 16 00-1176	EA	1/2" Polypropylene, Heat Fusion, 90 Degree Elbow.....	17.75
22 11 16 00-1177	EA	3/4" Polypropylene, Heat Fusion, 90 Degree Elbow.....	19.18
22 11 16 00-1178	EA	1" Polypropylene, Heat Fusion, 90 Degree Elbow.....	23.56
22 11 16 00-1179	EA	1-1/4" Polypropylene, Heat Fusion, 90 Degree Elbow.....	27.27
22 11 16 00-1180	EA	1-1/2" Polypropylene, Heat Fusion, 90 Degree Elbow.....	36.78
22 11 16 00-1181	EA	2" Polypropylene, Heat Fusion, 90 Degree Elbow.....	44.46
22 11 16 00-1182	EA	2-1/2" Polypropylene, Heat Fusion, 90 Degree Elbow.....	78.45
22 11 16 00-1183	EA	3" Polypropylene, Heat Fusion, 90 Degree Elbow.....	113.79
22 11 16 00-1184	EA	3-1/2" Polypropylene, Heat Fusion, 90 Degree Elbow.....	150.21
22 11 16 00-1185	EA	4" Polypropylene, Heat Fusion, 90 Degree Elbow.....	213.08
22 11 16 00-1186 Polypropylene Random (PP-R), Heat Fusion, 90 Degree Street Elbow (22 11 16 00-1078)			
22 11 16 00-1187	EA	1/2" Polypropylene, Heat Fusion, 90 Degree Street Elbow.....	17.75
22 11 16 00-1188	EA	3/4" Polypropylene, Heat Fusion, 90 Degree Street Elbow.....	19.18
22 11 16 00-1189	EA	1" Polypropylene, Heat Fusion, 90 Degree Street Elbow.....	23.56
22 11 16 00-1190	EA	1-1/4" Polypropylene, Heat Fusion, 90 Degree Street Elbow.....	27.27
22 11 16 00-1191 Polypropylene Random (PP-R), Heat Fusion, 45 Degree Elbow (22 11 16 00-1078)			
22 11 16 00-1192	EA	1/2" Polypropylene, Heat Fusion, 45 Degree Elbow.....	17.75
22 11 16 00-1193	EA	3/4" Polypropylene, Heat Fusion, 45 Degree Elbow.....	19.18
22 11 16 00-1194	EA	1" Polypropylene, Heat Fusion, 45 Degree Elbow.....	23.56
22 11 16 00-1195	EA	1-1/4" Polypropylene, Heat Fusion, 45 Degree Elbow.....	27.27
22 11 16 00-1196	EA	1-1/2" Polypropylene, Heat Fusion, 45 Degree Elbow.....	36.78
22 11 16 00-1197	EA	2" Polypropylene, Heat Fusion, 45 Degree Elbow.....	44.21
22 11 16 00-1198	EA	2-1/2" Polypropylene, Heat Fusion, 45 Degree Elbow.....	77.90
22 11 16 00-1199	EA	3" Polypropylene, Heat Fusion, 45 Degree Elbow.....	121.20
22 11 16 00-1200	EA	3-1/2" Polypropylene, Heat Fusion, 45 Degree Elbow.....	161.04
22 11 16 00-1201	EA	4" Polypropylene, Heat Fusion, 45 Degree Elbow.....	229.70

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1202		Polypropylene Random (PP-R), Heat Fusion, 45 Degree Street Elbow (22 11 16 00-1078)		
22 11 16 00-1203	EA	1/2" Polypropylene, Heat Fusion, 45 Degree Street Elbow.....	17.73	7.77
22 11 16 00-1204	EA	3/4" Polypropylene, Heat Fusion, 45 Degree Street Elbow.....	19.18	8.18
22 11 16 00-1205	EA	1" Polypropylene, Heat Fusion, 45 Degree Street Elbow.....	23.56	9.76
22 11 16 00-1206	EA	1-1/4" Polypropylene, Heat Fusion, 45 Degree Street Elbow.....	27.27	10.50
22 11 16 00-1207		Polypropylene Random (PP-R), Heat Fusion, Tee (22 11 16 00-1078)		
22 11 16 00-1208	EA	1/2" Polypropylene, Heat Fusion, Tee.....	26.28	11.67
22 11 16 00-1209	EA	3/4" Polypropylene, Heat Fusion, Tee.....	28.56	12.25
22 11 16 00-1210	EA	1" Polypropylene, Heat Fusion, Tee.....	34.30	14.57
22 11 16 00-1211	EA	1-1/4" Polypropylene, Heat Fusion, Tee.....	39.34	15.73
22 11 16 00-1212	EA	1-1/2" Polypropylene, Heat Fusion, Tee.....	57.55	17.53
22 11 16 00-1213	EA	2" Polypropylene, Heat Fusion, Tee.....	67.97	17.88
22 11 16 00-1214	EA	2-1/2" Polypropylene, Heat Fusion, Tee.....	102.85	24.44
22 11 16 00-1215	EA	3" Polypropylene, Heat Fusion, Tee.....	145.54	28.21
22 11 16 00-1216	EA	3-1/2" Polypropylene, Heat Fusion, Tee.....	201.91	31.49
22 11 16 00-1217	EA	4" Polypropylene, Heat Fusion, Tee.....	254.18	34.78
22 11 16 00-1218		Polypropylene Random (PP-R), Heat Fusion, Reducing Tee (22 11 16 00-1078)		
22 11 16 00-1219	EA	1/2" Polypropylene, Heat Fusion, Reducing Tee.....	26.28	11.67
22 11 16 00-1220	EA	3/4" Polypropylene, Heat Fusion, Reducing Tee.....	28.56	12.25
22 11 16 00-1221	EA	1" Polypropylene, Heat Fusion, Reducing Tee.....	34.24	14.57
22 11 16 00-1222	EA	1-1/4" Polypropylene, Heat Fusion, Reducing Tee.....	39.34	15.73
22 11 16 00-1223	EA	1-1/2" Polypropylene, Heat Fusion, Reducing Tee.....	57.55	17.53
22 11 16 00-1224	EA	2" Polypropylene, Heat Fusion, Reducing Tee.....	66.03	17.88
22 11 16 00-1225	EA	2-1/2" Polypropylene, Heat Fusion, Reducing Tee.....	98.23	24.44
22 11 16 00-1226	EA	3" Polypropylene, Heat Fusion, Reducing Tee.....	155.38	28.21
22 11 16 00-1227	EA	3-1/2" Polypropylene, Heat Fusion, Reducing Tee.....	217.61	31.49
22 11 16 00-1228	EA	4" x 2-1/2" Polypropylene, Heat Fusion, Reducing Tee.....	248.60	34.78
22 11 16 00-1229	EA	4" x 3" Polypropylene, Heat Fusion, Reducing Tee.....	254.82	34.78
22 11 16 00-1230	EA	4" x 3-1/2" Polypropylene, Heat Fusion, Reducing Tee.....	255.52	34.78
22 11 16 00-1231		Polypropylene Random (PP-R), Heat Fusion, End Cap (22 11 16 00-1078)		
22 11 16 00-1232	EA	1/2" Polypropylene, Heat Fusion, End Cap.....	10.97	3.89
22 11 16 00-1233	EA	3/4" Polypropylene, Heat Fusion, End Cap.....	12.18	4.07
22 11 16 00-1234	EA	1" Polypropylene, Heat Fusion, End Cap.....	14.68	4.87
22 11 16 00-1235	EA	1-1/4" Polypropylene, Heat Fusion, End Cap.....	18.20	5.22
22 11 16 00-1236	EA	1-1/2" Polypropylene, Heat Fusion, End Cap.....	22.42	5.86
22 11 16 00-1237	EA	2" Polypropylene, Heat Fusion, End Cap.....	29.84	5.98
22 11 16 00-1238	EA	2-1/2" Polypropylene, Heat Fusion, End Cap.....	42.19	8.12
22 11 16 00-1239	EA	3" Polypropylene, Heat Fusion, End Cap.....	77.41	9.40
22 11 16 00-1240	EA	3-1/2" Polypropylene, Heat Fusion, End Cap.....	91.51	10.50
22 11 16 00-1241	EA	4" Polypropylene, Heat Fusion, End Cap.....	130.58	11.61
22 11 16 00-1242		Polypropylene Random (PP-R), Heat Fusion Outlet (22 11 16 00-1078)		
22 11 16 00-1243	EA	1-1/4" x 1/2" Polypropylene, Heat Fusion Outlet.....	14.13	
22 11 16 00-1244	EA	1-1/4" x 3/4" Polypropylene, Heat Fusion Outlet.....	14.48	
22 11 16 00-1245	EA	1-1/2" x 1/2" Polypropylene, Heat Fusion Outlet.....	14.89	
22 11 16 00-1246	EA	1-1/2" x 3/4" Polypropylene, Heat Fusion Outlet.....	15.24	
22 11 16 00-1247	EA	2" x 1/2" Polypropylene, Heat Fusion Outlet.....	16.15	
22 11 16 00-1248	EA	2" x 3/4" Polypropylene, Heat Fusion Outlet.....	16.50	
22 11 16 00-1249	EA	2" x 1" Polypropylene, Heat Fusion Outlet.....	18.24	
22 11 16 00-1250	EA	2-1/2" x 1/2" Polypropylene, Heat Fusion Outlet.....	17.41	
22 11 16 00-1251	EA	2-1/2" x 3/4" Polypropylene, Heat Fusion Outlet.....	17.76	
22 11 16 00-1252	EA	2-1/2" x 1" Polypropylene, Heat Fusion Outlet.....	19.50	
22 11 16 00-1253	EA	2-1/2" x 1-1/4" Polypropylene, Heat Fusion Outlet.....	20.31	
22 11 16 00-1254	EA	3" x 1/2" Polypropylene, Heat Fusion Outlet.....	18.67	
22 11 16 00-1255	EA	3" x 3/4" Polypropylene, Heat Fusion Outlet.....	19.02	
22 11 16 00-1256	EA	3" x 1" Polypropylene, Heat Fusion Outlet.....	20.76	
22 11 16 00-1257	EA	3" x 1-1/4" Polypropylene, Heat Fusion Outlet.....	21.57	
22 11 16 00-1258	EA	3-1/2" x 1/2" Polypropylene, Heat Fusion Outlet.....	18.67	
22 11 16 00-1259	EA	3-1/2" x 3/4" Polypropylene, Heat Fusion Outlet.....	20.28	
22 11 16 00-1260	EA	3-1/2" x 1" Polypropylene, Heat Fusion Outlet.....	22.02	
22 11 16 00-1261	EA	3-1/2" x 1-1/4" Polypropylene, Heat Fusion Outlet.....	22.83	
22 11 16 00-1262	EA	3-1/2" x 1-1/2" Polypropylene, Heat Fusion Outlet.....	27.23	
22 11 16 00-1263	EA	4" x 1/2" Polypropylene, Heat Fusion Outlet.....	21.18	
22 11 16 00-1264	EA	4" x 3/4" Polypropylene, Heat Fusion Outlet.....	21.53	
22 11 16 00-1265	EA	4" x 1" Polypropylene, Heat Fusion Outlet.....	23.27	
22 11 16 00-1266	EA	4" x 1-1/4" Polypropylene, Heat Fusion Outlet.....	24.08	
22 11 16 00-1267	EA	4" x 1-1/2" Polypropylene, Heat Fusion Outlet.....	27.23	
22 11 16 00-1268	EA	4" x 2" Polypropylene, Heat Fusion Outlet.....	32.80	
22 11 16 00-1269		Polypropylene Random (PP-R), Flange Adaptor With Gaskets Included (22 11 16 00-1078)		
22 11 16 00-1270	EA	1" Polypropylene, Flange Adaptor With Gaskets Included.....	16.83	4.87
22 11 16 00-1271	EA	1-1/4" Polypropylene, Flange Adaptor With Gaskets Included.....	18.79	5.22
22 11 16 00-1272	EA	1-1/2" Polypropylene, Flange Adaptor With Gaskets Included.....	24.78	5.86
22 11 16 00-1273	EA	2" Polypropylene, Flange Adaptor With Gaskets Included.....	26.67	5.98
22 11 16 00-1274	EA	2-1/2" Polypropylene, Flange Adaptor With Gaskets Included.....	36.86	8.12

MINOR			TOTAL DIRECT		DEMOLITION	
CSI UOM DESCRIPTION			UNIT COST		UNIT COST	
22 11 16 00-1275	EA	3" Polypropylene, Flange Adaptor With Gaskets Included.....	60.71		9.40	
22 11 16 00-1276	EA	3-1/2" Polypropylene, Flange Adaptor With Gaskets Included.....	83.43		10.50	
22 11 16 00-1277	EA	4" Polypropylene, Flange Adaptor With Gaskets Included.....	182.18		11.61	
22 11 16 00-1278		Polypropylene Random (PP-R), Flange Ring With ANSI Bolt Pattern (22 11 16 00-1078)				
22 11 16 00-1279	EA	1" Polypropylene, Flange Ring With ANSI Bolt Pattern	32.81			
22 11 16 00-1280	EA	1-1/4" Polypropylene, Flange Ring With ANSI Bolt Pattern	43.52			
22 11 16 00-1281	EA	1-1/2" Polypropylene, Flange Ring With ANSI Bolt Pattern	54.45			
22 11 16 00-1282	EA	2" Polypropylene, Flange Ring With ANSI Bolt Pattern	64.81			
22 11 16 00-1283	EA	2-1/2" Polypropylene, Flange Ring With ANSI Bolt Pattern	90.85			
22 11 16 00-1284	EA	3" Polypropylene, Flange Ring With ANSI Bolt Pattern	105.57			
22 11 16 00-1285	EA	3-1/2" Polypropylene, Flange Ring With ANSI Bolt Pattern	130.91			
22 11 16 00-1286	EA	4" Polypropylene, Flange Ring With ANSI Bolt Pattern	158.65			
22 11 16 00-1287		Polypropylene Random (PP-R), Electrofusion Coupling (22 11 16 00-1078)				
22 11 16 00-1288	EA	1/2" Polypropylene, Electrofusion Coupling	68.25		7.77	
22 11 16 00-1289	EA	3/4" Polypropylene, Electrofusion Coupling	71.12		8.18	
22 11 16 00-1290	EA	1" Polypropylene, Electrofusion Coupling	80.83		9.76	
22 11 16 00-1291	EA	1-1/4" Polypropylene, Electrofusion Coupling	83.33		10.50	
22 11 16 00-1292	EA	1-1/2" Polypropylene, Electrofusion Coupling	90.54		11.67	
22 11 16 00-1293	EA	2" Polypropylene, Electrofusion Coupling	121.24		11.90	
22 11 16 00-1294	EA	2-1/2" Polypropylene, Electrofusion Coupling	148.11		16.32	
22 11 16 00-1295	EA	3" Polypropylene, Electrofusion Coupling	185.00		18.81	
22 11 16 00-1296	EA	3-1/2" Polypropylene, Electrofusion Coupling	251.33		21.02	
22 11 16 00-1297	EA	4" Polypropylene, Electrofusion Coupling	309.86		23.22	
22 11 16 00-1298		Polypropylene Random (PP-R), Heat Fusion, FIP Rear-Mount Back Plate Elbow (22 11 16 00-1078)				
22 11 16 00-1299	EA	1/2" Polypropylene, Heat Fusion, FIP Rear-Mount Back Plate Elbow	33.08		10.68	
22 11 16 00-1300	EA	3/4" Polypropylene, Heat Fusion, FIP Rear-Mount Back Plate Elbow	39.71		11.09	
22 11 16 00-1301		Polypropylene Random (PP-R), Heat Fusion, FIP Side-Mount Back Plate Elbow (22 11 16 00-1078)				
22 11 16 00-1302	EA	1/2" Polypropylene, Heat Fusion, FIP Side-Mount Back Plate Elbow	35.89		10.68	
22 11 16 00-1303		Polypropylene Random (PP-R), Heat Fusion, ISO Plug For Pressure Test (22 11 16 00-1078)				
22 11 16 00-1304	EA	1/2" Polypropylene, Heat Fusion, ISO Plug For Pressure Test.....	9.36		3.89	
22 11 16 00-1305	EA	3/4" Polypropylene, Heat Fusion, ISO Plug For Pressure Test.....	10.18		4.07	
22 11 16 00-1306		Polypropylene Random (PP-R), Heat Fusion, Round FIP NPT Transition Piece (22 11 16 00-1078)				
22 11 16 00-1307	EA	1/2" x 1/2" Polypropylene, Heat Fusion, Round FIP NPT Transition Piece.....	25.59		7.77	
22 11 16 00-1308	EA	1/2" x 3/4" Polypropylene, Heat Fusion, Round FIP NPT Transition Piece.....	28.78		7.77	
22 11 16 00-1309	EA	3/4" x 1/2" Polypropylene, Heat Fusion, Round FIP NPT Transition Piece.....	26.40		8.18	
22 11 16 00-1310	EA	3/4" x 3/4" Polypropylene, Heat Fusion, Round FIP NPT Transition Piece.....	29.59		8.18	
22 11 16 00-1311	EA	1" x 3/4" Polypropylene, Heat Fusion, Round FIP NPT Transition Piece.....	34.03		9.76	
22 11 16 00-1312		Polypropylene Random (PP-R), Heat Fusion, Hex FIP NPT Transition Piece (22 11 16 00-1078)				
22 11 16 00-1313	EA	1/2" x 1/2" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece.....	31.30		7.77	
22 11 16 00-1314	EA	1/2" x 3/4" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece.....	33.99		7.77	
22 11 16 00-1315	EA	3/4" x 1/2" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece.....	32.11		8.18	
22 11 16 00-1316	EA	3/4" x 3/4" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece.....	34.80		8.18	
22 11 16 00-1317	EA	1" x 3/4" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece.....	40.73		9.76	
22 11 16 00-1318	EA	1" x 1" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece.....	62.62		9.76	
22 11 16 00-1319	EA	1-1/4" x 1" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece.....	66.29		10.50	
22 11 16 00-1320	EA	1-1/4" x 1-1/4" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece.....	89.14		10.50	
22 11 16 00-1321	EA	1-1/2" x 1-1/4" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece.....	93.72		11.67	
22 11 16 00-1322	EA	1-1/2" x 1-1/2" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece.....	102.34		11.67	
22 11 16 00-1323	EA	2" x 1-1/2" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece.....	110.35		11.90	
22 11 16 00-1324	EA	2" x 2" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece.....	146.14		11.90	
22 11 16 00-1325	EA	2-1/2" x 2" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece.....	160.35		16.32	
22 11 16 00-1326		Polypropylene Random (PP-R), Heat Fusion, Round MIP NPT Transition Piece (22 11 16 00-1078)				
22 11 16 00-1327	EA	1/2" x 1/2" Polypropylene, Heat Fusion, Round MIP NPT Transition Piece.....	39.18		7.77	
22 11 16 00-1328	EA	1/2" x 3/4" Polypropylene, Heat Fusion, Round MIP NPT Transition Piece.....	42.56		7.77	
22 11 16 00-1329	EA	3/4" x 1/2" Polypropylene, Heat Fusion, Round MIP NPT Transition Piece.....	39.99		8.18	
22 11 16 00-1330	EA	3/4" x 3/4" Polypropylene, Heat Fusion, Round MIP NPT Transition Piece.....	43.37		8.18	
22 11 16 00-1331	EA	1" x 3/4" Polypropylene, Heat Fusion, Round MIP NPT Transition Piece.....	51.39		9.76	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1332		Polypropylene Random (PP-R), Heat Fusion, Hex MIP NPT Transition Piece (22 11 16 00-1078)		
22 11 16 00-1333	EA	1/2" x 1/2" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	32.88	7.77
22 11 16 00-1334	EA	1/2" x 3/4" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	35.36	7.77
22 11 16 00-1335	EA	3/4" x 3/4" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	36.17	8.18
22 11 16 00-1336	EA	1" x 1" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	52.68	9.76
22 11 16 00-1337	EA	1" x 1-1/4" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	75.36	9.76
22 11 16 00-1338	EA	1-1/4" x 1" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	55.42	10.50
22 11 16 00-1339	EA	1-1/4" x 1-1/4" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	80.44	10.50
22 11 16 00-1340	EA	1-1/2" x 1-1/4" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	84.72	11.67
22 11 16 00-1341	EA	1-1/2" x 1-1/2" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	98.97	11.67
22 11 16 00-1342	EA	2" x 1-1/2" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	113.41	11.90
22 11 16 00-1343	EA	2" x 2" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	128.59	11.90
22 11 16 00-1344	EA	2-1/2" x 2" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	139.94	16.32
22 11 16 00-1345	EA	2-1/2" x 2-1/2" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	193.27	16.32
22 11 16 00-1346	EA	3" x 3" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	288.16	18.81
22 11 16 00-1347	EA	3-1/2" x 4" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	555.67	21.02
22 11 16 00-1348		Polypropylene Random (PP-R), Heat Fusion, Transition FIP NPT Elbow (22 11 16 00-1078)		
22 11 16 00-1349	EA	1/2" x 3/4" Polypropylene, Heat Fusion, Transition FIP NPT Elbow	33.09	7.77
22 11 16 00-1350	EA	1/2" x 1/2" Polypropylene, Heat Fusion, Transition FIP NPT Elbow	27.28	7.77
22 11 16 00-1351	EA	3/4" x 3/4" Polypropylene, Heat Fusion, Transition FIP NPT Elbow	33.90	8.18
22 11 16 00-1352	EA	3/4" x 1/2" Polypropylene, Heat Fusion, Transition FIP NPT Elbow	28.09	8.18
22 11 16 00-1353	EA	1" x 3/4" Polypropylene, Heat Fusion, Transition FIP NPT Elbow	38.90	9.76
22 11 16 00-1354	EA	1" x 1" Polypropylene, Heat Fusion, Transition FIP NPT Elbow	61.49	9.76
22 11 16 00-1355		Polypropylene Random (PP-R), Heat Fusion, Transition Male/Female x FIP NPT Street Elbow (22 11 16 00-1078)		
22 11 16 00-1356	EA	1/2" x 1/2" Polypropylene, Heat Fusion, Transition Male/Female x FIP NPT Street Elbow	27.28	7.77
22 11 16 00-1357		Polypropylene Random (PP-R), Heat Fusion, Transition MIP NPT Elbow (22 11 16 00-1078)		
22 11 16 00-1358	EA	1/2" x 1/2" Polypropylene, Heat Fusion, Transition MIP NPT Elbow	30.18	7.77
22 11 16 00-1359	EA	1/2" x 3/4" Polypropylene, Heat Fusion, Transition MIP NPT Elbow	32.06	7.77
22 11 16 00-1360	EA	3/4" x 3/4" Polypropylene, Heat Fusion, Transition MIP NPT Elbow	32.87	8.18
22 11 16 00-1361	EA	1" x 3/4" Polypropylene, Heat Fusion, Transition MIP NPT Elbow	41.06	9.76
22 11 16 00-1362	EA	1" x 1" Polypropylene, Heat Fusion, Transition MIP NPT Elbow	57.84	9.76
22 11 16 00-1363		Polypropylene Random (PP-R), Heat Fusion, Transition FIP NPT Tee (22 11 16 00-1078)		
22 11 16 00-1364	EA	1/2" x 1/2" x 1/2" Polypropylene, Heat Fusion, Transition FIP NPT Tee	37.20	11.67
22 11 16 00-1365	EA	1/2" x 1/2" x 3/4" Polypropylene, Heat Fusion, Transition FIP NPT Tee	41.80	11.67
22 11 16 00-1366	EA	3/4" x 3/4" x 1/2" Polypropylene, Heat Fusion, Transition FIP NPT Tee	38.37	12.25
22 11 16 00-1367	EA	3/4" x 3/4" x 3/4" Polypropylene, Heat Fusion, Transition FIP NPT Tee	42.97	12.25
22 11 16 00-1368	EA	1" x 1" x 3/4" Polypropylene, Heat Fusion, Transition FIP NPT Tee	50.70	14.57
22 11 16 00-1369	EA	1" x 1" x 1" Polypropylene, Heat Fusion, Transition FIP NPT Tee	71.32	14.57
22 11 16 00-1370	EA	1-1/2" x 1-1/2" x 1" Polypropylene, Heat Fusion, Transition FIP NPT Tee	82.55	17.53
22 11 16 00-1371		Polypropylene Random (PP-R), Heat Fusion, Transition MIP NPT Tee (22 11 16 00-1078)		
22 11 16 00-1372	EA	1/2" x 1/2" x 1/2" Polypropylene, Heat Fusion, Transition MIP NPT Tee	40.29	11.67
22 11 16 00-1373		Polypropylene Random (PP-R), Heat Fusion, Transition PP-R x Brass Compression Fitting (22 11 16 00-1078)		
22 11 16 00-1374	EA	1/2" x 1/2" Polypropylene, Heat Fusion, Transition PP-R x Brass Compression Fitting	29.99	3.89
22 11 16 00-1375		Polypropylene Random (PP-R), Heat Fusion, Fusion Outlet x FIP NPT (22 11 16 00-1078)		
22 11 16 00-1376	EA	1/2" Polypropylene, Heat Fusion, Fusion Outlet x FIP NPT	25.84	
22 11 16 00-1377	EA	3/4" Polypropylene, Heat Fusion, Fusion Outlet x FIP NPT	33.51	
22 11 16 00-1378	EA	1" Polypropylene, Heat Fusion, Fusion Outlet x FIP NPT	46.45	
22 11 16 00-1379		Polypropylene Random (PP-R), Heat Fusion, Fusion Outlet x MIP NPT (22 11 16 00-1078)		
22 11 16 00-1380	EA	1/2" Polypropylene, Heat Fusion, Fusion Outlet x MIP NPT	30.34	
22 11 16 00-1381	EA	3/4" Polypropylene, Heat Fusion, Fusion Outlet x MIP NPT	41.84	
22 11 16 00-1382		Polypropylene Random (PP-R), Heat Fusion, PEX Adaptor (22 11 16 00-1078)		
22 11 16 00-1383	EA	1/2" Polypropylene, Heat Fusion, PEX Adaptor	20.79	3.89
22 11 16 00-1384	EA	3/4" Polypropylene, Heat Fusion, PEX Adaptor	31.87	4.07
22 11 16 00-1385	EA	1" Polypropylene, Heat Fusion, PEX Adaptor	41.94	4.87
22 11 16 00-1386		Polypropylene Random (PP-R), Heat Fusion, FIP Stop Valve Body (22 11 16 00-1078)		
22 11 16 00-1387	EA	1/2" Polypropylene, Heat Fusion, FIP Stop Valve Body	27.12	8.53

22 Plumbing
22 10 Plumbing Piping
22 11 Facility Water Distribution

MINOR			TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
22 11 16 00-1388	EA	3/4" Polypropylene, Heat Fusion, FIP Stop Valve Body.....	28.04		9.00
22 11 16 00-1389	EA	1" Polypropylene, Heat Fusion, FIP Stop Valve Body.....	40.56		10.68
22 11 16 00-1390	EA	1-1/4" Polypropylene, Heat Fusion, FIP Stop Valve Body	64.19		11.55
22 11 16 00-1391		Polypropylene Random (PP-R), Heat Fusion, Inclined Check Valve (22 11 16 00-1078)			
22 11 16 00-1392	EA	1/2" Polypropylene, Heat Fusion, Inclined Check Valve	85.15		8.53
22 11 16 00-1393	EA	3/4" Polypropylene, Heat Fusion, Inclined Check Valve	86.07		9.00
22 11 16 00-1394	EA	1" Polypropylene, Heat Fusion, Inclined Check Valve	102.88		10.68
22 11 16 00-1395	EA	1-1/4" Polypropylene, Heat Fusion, Inclined Check Valve	171.19		11.55
22 11 16 00-1396		Polypropylene Random (PP-R), Heat Fusion, Ball Valve (22 11 16 00-1078)			
22 11 16 00-1397	EA	1/2" Polypropylene, Heat Fusion, Ball Valve.....	78.48		8.53
22 11 16 00-1398	EA	3/4" Polypropylene, Heat Fusion, Ball Valve.....	87.13		9.00
22 11 16 00-1399	EA	1" Polypropylene, Heat Fusion, Ball Valve.....	105.78		10.68
22 11 16 00-1400	EA	1-1/4" Polypropylene, Heat Fusion, Ball Valve.....	150.75		11.55
22 11 16 00-1401	EA	1-1/2" Polypropylene, Heat Fusion, Ball Valve.....	220.77		12.83
22 11 16 00-1402	EA	2" Polypropylene, Heat Fusion, Ball Valve.....	338.32		13.12
22 11 16 00-1403		Extension For Ball Valve (22 11 16 00-1078)			
22 11 16 00-1404	EA	Extension For 1/2" to 3/4" Ball Valve, 1-3/8" Length.....	40.86		
22 11 16 00-1405	EA	Extension For 1" to 1-1/4" Ball Valve, 1-3/8" Length.....	40.93		
22 11 16 00-1406	EA	Extension For 1-1/2" to 2" Ball Valve, 1-3/4" Length.....	44.88		
22 11 16 00-1407		Polypropylene Random (PP-R), Heat Fusion, Draining Branch (22 11 16 00-1078)			
22 11 16 00-1408	EA	1/2" Polypropylene, Heat Fusion, Draining Branch	36.59		7.77
22 11 16 00-1409	EA	3/4" Polypropylene, Heat Fusion, Draining Branch	37.40		8.18
22 11 16 00-1410	EA	1" Polypropylene, Heat Fusion, Draining Branch	42.75		9.76
22 11 16 00-1411	EA	1-1/4" Polypropylene, Heat Fusion, Draining Branch.....	44.27		10.50
22 11 16 00-1412	EA	1-1/2" Polypropylene, Heat Fusion, Draining Branch.....	48.52		11.67
22 11 16 00-1413	EA	2" Polypropylene, Heat Fusion, Draining Branch.....	52.36		11.90
22 11 16 00-1414		Red Brass Pipe And Fittings (22 11 16)			
		Note: ASTM B43 And B251 (Pipe), ASME B16.15.			
22 11 16 00-1415		Schedule 40 Red Brass Pipe (22 11 16 00-1414)			
22 11 16 00-1416	LF	1/2" Schedule 40 Red Brass Pipe.....	29.33		2.41
22 11 16 00-1417	LF	3/4" Schedule 40 Red Brass Pipe.....	38.73		2.41
22 11 16 00-1418	LF	1" Schedule 40 Red Brass Pipe.....	52.73		2.41
22 11 16 00-1419	LF	1-1/4" Schedule 40 Red Brass Pipe.....	77.20		2.63
22 11 16 00-1420	LF	1-1/2" Schedule 40 Red Brass Pipe.....	88.87		2.86
22 11 16 00-1421	LF	2" Schedule 40 Red Brass Pipe.....	113.86		3.43
22 11 16 00-1422	LF	2-1/2" Schedule 40 Red Brass Pipe.....	165.41		3.89
22 11 16 00-1423	LF	3" Schedule 40 Red Brass Pipe.....	233.49		4.12
22 11 16 00-1424	LF	4" Schedule 40 Red Brass Pipe.....	334.49		4.12
22 11 16 00-1425		125 LB Cast Bronze, Screwed, 90 Degree Elbows (22 11 16 00-1414)			
22 11 16 00-1426	EA	1/2" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	65.96		28.49
22 11 16 00-1427	EA	3/4" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	74.66		31.35
22 11 16 00-1428	EA	1" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	93.57		37.07
22 11 16 00-1429	EA	1-1/4" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	111.31		39.82
22 11 16 00-1430	EA	1-1/2" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	124.51		42.68
22 11 16 00-1431	EA	2" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	154.21		45.54
22 11 16 00-1432	EA	2-1/2" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	259.68		56.98
22 11 16 00-1433	EA	3" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	359.29		68.31
22 11 16 00-1434	EA	4" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	632.94		91.08
22 11 16 00-1435		125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbows (22 11 16 00-1414)			
22 11 16 00-1436	EA	1/2" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	68.97		28.49
22 11 16 00-1437	EA	3/4" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	79.03		31.35
22 11 16 00-1438	EA	1" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	102.72		37.07
22 11 16 00-1439	EA	1-1/4" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	123.30		39.82
22 11 16 00-1440	EA	1-1/2" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	141.02		42.68
22 11 16 00-1441	EA	2" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	190.27		45.54
22 11 16 00-1442	EA	2-1/2" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	289.71		56.98
22 11 16 00-1443	EA	3" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	451.62		68.31
22 11 16 00-1444	EA	4" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	894.22		91.08
22 11 16 00-1445		125 LB Cast Bronze, Screwed, 45 Degree Elbows (22 11 16 00-1414)			
22 11 16 00-1446	EA	1/2" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	67.49		28.49
22 11 16 00-1447	EA	3/4" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	77.65		31.35
22 11 16 00-1448	EA	1" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	99.59		37.07
22 11 16 00-1449	EA	1-1/4" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	120.32		39.82
22 11 16 00-1450	EA	1-1/2" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	136.51		42.68
22 11 16 00-1451	EA	2" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	173.74		45.54
22 11 16 00-1452	EA	2-1/2" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	271.65		56.98
22 11 16 00-1453	EA	3" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	379.79		68.31

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1454	EA	4" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	833.51	91.08
22 11 16 00-1455		125 Lb. Cast Bronze, Screwed, Tees (22 11 16 00-1414)		
22 11 16 00-1456	EA	1/2", 125 Lb., Cast Bronze, Screwed, Tee	95.96	42.68
22 11 16 00-1457	EA	3/4", 125 Lb., Cast Bronze, Screwed, Tee	108.40	46.69
22 11 16 00-1458	EA	1", 125 Lb., Cast Bronze, Screwed, Tee	137.54	55.27
22 11 16 00-1459	EA	1-1/4", 125 Lb., Cast Bronze, Screwed, Tee	166.18	59.84
22 11 16 00-1460	EA	1-1/2", 125 Lb., Cast Bronze, Screwed, Tee	180.15	63.73
22 11 16 00-1461	EA	2", 125 Lb., Cast Bronze, Screwed, Tee	223.81	68.31
22 11 16 00-1462	EA	2-1/2", 125 Lb., Cast Bronze, Screwed, Tee	369.16	85.47
22 11 16 00-1463	EA	3", 125 Lb., Cast Bronze, Screwed, Tee	508.19	102.52
22 11 16 00-1464	EA	4", 125 Lb., Cast Bronze, Screwed, Tee	1,024.53	136.62
22 11 16 00-1465		125 Lb. Cast Bronze, Screwed, Reducing Tees (22 11 16 00-1414)		
22 11 16 00-1466	EA	1/2", 125 Lb., Cast Bronze, Screwed, Reducing Tee	100.45	42.68
22 11 16 00-1467	EA	3/4", 125 Lb., Cast Bronze, Screwed, Reducing Tee	111.43	46.69
22 11 16 00-1468	EA	1", 125 Lb., Cast Bronze, Screwed, Reducing Tee	149.56	55.27
22 11 16 00-1469	EA	1-1/4", 125 Lb., Cast Bronze, Screwed, Reducing Tee	175.19	59.84
22 11 16 00-1470	EA	1-1/2", 125 Lb., Cast Bronze, Screwed, Reducing Tee	204.19	63.73
22 11 16 00-1471	EA	2", 125 Lb., Cast Bronze, Screwed, Reducing Tee	261.37	68.31
22 11 16 00-1472	EA	2-1/2", 125 Lb., Cast Bronze, Screwed, Reducing Tee	442.21	85.47
22 11 16 00-1473	EA	3", 125 Lb., Cast Bronze, Screwed, Reducing Tee	825.63	102.52
22 11 16 00-1474	EA	4", 125 Lb., Cast Bronze, Screwed, Reducing Tee	1,274.92	136.62
22 11 16 00-1475		125 Lb. Cast Bronze, Screwed, Crosses (22 11 16 00-1414)		
22 11 16 00-1476	EA	1/2", 125 Lb., Cast Bronze, Screwed, Cross	134.95	56.98
22 11 16 00-1477	EA	3/4", 125 Lb., Cast Bronze, Screwed, Cross	155.34	62.59
22 11 16 00-1478	EA	1", 125 Lb., Cast Bronze, Screwed, Cross	194.65	74.03
22 11 16 00-1479	EA	1-1/4", 125 Lb., Cast Bronze, Screwed, Cross	238.28	79.75
22 11 16 00-1480	EA	1-1/2", 125 Lb., Cast Bronze, Screwed, Cross	279.42	85.47
22 11 16 00-1481	EA	2", 125 Lb., Cast Bronze, Screwed, Cross	399.32	91.08
22 11 16 00-1482	EA	2-1/2", 125 Lb., Cast Bronze, Screwed, Cross	638.50	113.85
22 11 16 00-1483	EA	3", 125 Lb., Cast Bronze, Screwed, Cross	875.81	136.62
22 11 16 00-1484	EA	4", 125 Lb., Cast Bronze, Screwed, Cross	1,596.63	182.27
22 11 16 00-1485		125 Lb. Cast Bronze, Screwed, Caps (22 11 16 00-1414)		
22 11 16 00-1486	EA	1/2" 125 Lb. Cast Bronze, Screwed, Cap	31.63	16.94
22 11 16 00-1487	EA	3/4" 125 Lb. Cast Bronze, Screwed, Cap	35.72	18.65
22 11 16 00-1488	EA	1" 125 Lb. Cast Bronze, Screwed, Cap	46.95	21.97
22 11 16 00-1489	EA	1-1/4" 125 Lb. Cast Bronze, Screwed, Cap	59.91	23.68
22 11 16 00-1490	EA	1-1/2" 125 Lb. Cast Bronze, Screwed, Cap	70.02	25.40
22 11 16 00-1491	EA	2" 125 Lb. Cast Bronze, Screwed, Cap	95.10	27.11
22 11 16 00-1492	EA	2-1/2" 125 Lb. Cast Bronze, Screwed, Cap	150.39	33.87
22 11 16 00-1493	EA	3" 125 Lb. Cast Bronze, Screwed, Cap	214.78	40.62
22 11 16 00-1494	EA	4" 125 Lb. Cast Bronze, Screwed, Cap	374.31	54.12
22 11 16 00-1495		125 Lb. Cast Bronze, Screwed, Couplings (22 11 16 00-1414)		
22 11 16 00-1496	EA	1/2" 125 Lb. Cast Bronze, Screwed, Coupling	64.48	28.49
22 11 16 00-1497	EA	3/4" 125 Lb. Cast Bronze, Screwed, Coupling	73.18	31.35
22 11 16 00-1498	EA	1" 125 Lb. Cast Bronze, Screwed, Coupling	92.06	37.07
22 11 16 00-1499	EA	1-1/4" 125 Lb. Cast Bronze, Screwed, Coupling	109.78	39.82
22 11 16 00-1500	EA	1-1/2" 125 Lb. Cast Bronze, Screwed, Coupling	124.51	42.68
22 11 16 00-1501	EA	2" 125 Lb. Cast Bronze, Screwed, Coupling	155.72	45.54
22 11 16 00-1502	EA	2-1/2" 125 Lb. Cast Bronze, Screwed, Coupling	219.08	56.98
22 11 16 00-1503	EA	3" 125 Lb. Cast Bronze, Screwed, Coupling	282.45	68.31
22 11 16 00-1504	EA	4" 125 Lb. Cast Bronze, Screwed, Coupling	482.69	91.08
22 11 16 00-1505		125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducers (22 11 16 00-1414)		
22 11 16 00-1506	EA	1/2" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	56.58	22.77
22 11 16 00-1507	EA	3/4" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	64.56	25.63
22 11 16 00-1508	EA	1" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	87.53	34.21
22 11 16 00-1509	EA	1-1/4" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	103.98	37.07
22 11 16 00-1510	EA	1-1/2" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	117.47	39.82
22 11 16 00-1511	EA	2" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	141.26	42.68
22 11 16 00-1512	EA	2-1/2" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	204.66	54.12
22 11 16 00-1513	EA	3" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	247.83	62.59
22 11 16 00-1514	EA	4" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	427.21	82.61
22 11 16 00-1515		125 Lb. Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducers (22 11 16 00-1414)		
22 11 16 00-1516	EA	3/4" 125 Lb. Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	57.82	22.77
22 11 16 00-1517	EA	1" 125 Lb. Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	103.00	31.35
22 11 16 00-1518	EA	1-1/4" 125 Lb. Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	134.12	34.21
22 11 16 00-1519	EA	1-1/2" 125 Lb. Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	156.57	37.07
22 11 16 00-1520	EA	2" 125 Lb. Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	207.90	42.68
22 11 16 00-1521	EA	2-1/2" 125 Lb. Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	318.28	54.12

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 11 16 00-1522	EA	3" 125 Lb. Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer.....	383.33	56.98
22 11 16 00-1523	EA	4" 125 Lb. Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer.....	436.56	74.03
22 11 16 00-1524 125 Lb. Cast Bronze, FIP Threaded, Unions (22 11 16 00-1414)				
22 11 16 00-1525	EA	1/2" 125 Lb. Cast Bronze, FIP Threaded, Union.....	69.60	22.77
		For 150 Lb., Add	9.62	
22 11 16 00-1526	EA	3/4" 125 Lb. Cast Bronze, FIP Threaded, Union.....	83.16	25.06
		For 150 Lb., Add	13.22	
22 11 16 00-1527	EA	1" 125 Lb. Cast Bronze, FIP Threaded, Union.....	102.80	29.63
		For 150 Lb., Add	17.43	
22 11 16 00-1528	EA	1-1/4" 125 Lb. Cast Bronze, FIP Threaded, Union.....	126.86	31.93
		For 150 Lb., Add	25.23	
22 11 16 00-1529	EA	1-1/2" 125 Lb. Cast Bronze, FIP Threaded, Union.....	143.49	34.21
		For 150 Lb., Add	30.06	
22 11 16 00-1530	EA	2" 125 Lb. Cast Bronze, FIP Threaded, Union.....	169.25	38.67
		For 150 Lb., Add	36.72	
22 11 16 00-1531	EA	2-1/2" 125 Lb. Cast Bronze, FIP Threaded, Union.....	290.91	57.21
		For 150 Lb., Add	70.60	
		For 250 Lb., Add	150.02	
		For 300 Lb., Add	211.79	
22 11 16 00-1532	EA	3" 125 Lb. Cast Bronze, FIP Threaded, Union.....	423.16	75.23
		For 150 Lb., Add	109.08	
		For 250 Lb., Add	231.79	
		For 300 Lb., Add	327.23	
22 11 16 00-1533	EA	4" 125 Lb. Cast Bronze, FIP Threaded, Union.....	768.21	83.30
		For 150 Lb., Add	240.60	
		For 250 Lb., Add	511.28	
		For 300 Lb., Add	721.80	
22 11 16 00-1534 125 Lb. Cast Bronze, Screwed, Companion Flanges (22 11 16 00-1414)				
Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.				
22 11 16 00-1535	EA	1/2" 125 Lb. Cast Bronze, Screwed, Companion Flange.....	190.14	28.49
22 11 16 00-1536	EA	3/4" 125 Lb. Cast Bronze, Screwed, Companion Flange.....	207.67	34.21
22 11 16 00-1537	EA	1" 125 Lb. Cast Bronze, Screwed, Companion Flange.....	238.14	39.82
22 11 16 00-1538	EA	1-1/4" 125 Lb. Cast Bronze, Screwed, Companion Flange.....	271.17	42.68
22 11 16 00-1539	EA	1-1/2" 125 Lb. Cast Bronze, Screwed, Companion Flange.....	320.54	45.54
22 11 16 00-1540	EA	2" 125 Lb. Cast Bronze, Screwed, Companion Flange.....	402.78	48.40
22 11 16 00-1541	EA	2-1/2" 125 Lb. Cast Bronze, Screwed, Companion Flange.....	507.25	56.98
22 11 16 00-1542	EA	3" 125 Lb. Cast Bronze, Screwed, Companion Flange.....	628.59	71.17
22 11 16 00-1543	EA	4" 125 Lb. Cast Bronze, Screwed, Companion Flange.....	895.85	99.66
22 11 16 00-1544 125 Lb. Cast Bronze, Screwed, Square Head Plugs (22 11 16 00-1414)				
22 11 16 00-1545	EA	1/2" 125 Lb. Cast Bronze, Screwed, Square Head Plug.....	19.22	
22 11 16 00-1546	EA	3/4" 125 Lb. Cast Bronze, Screwed, Square Head Plug.....	19.70	
22 11 16 00-1547	EA	1" 125 Lb. Cast Bronze, Screwed, Square Head Plug.....	30.32	
22 11 16 00-1548	EA	1-1/4" 125 Lb. Cast Bronze, Screwed, Square Head Plug.....	34.85	
22 11 16 00-1549	EA	1-1/2" 125 Lb. Cast Bronze, Screwed, Square Head Plug.....	39.51	
22 11 16 00-1550	EA	2" 125 Lb. Cast Bronze, Screwed, Square Head Plug.....	59.16	
22 11 16 00-1551	EA	2-1/2" 125 Lb. Cast Bronze, Screwed, Square Head Plug.....	89.12	
22 11 16 00-1552	EA	3" 125 Lb. Cast Bronze, Screwed, Square Head Plug.....	130.05	
22 11 16 00-1553	EA	4" 125 Lb. Cast Bronze, Screwed, Square Head Plug.....	217.25	
22 11 16 00-1554 125 Lb. Cast Bronze, Screwed, Counter Sunk Plugs (22 11 16 00-1414)				
22 11 16 00-1555	EA	1/2" 125 Lb. Cast Bronze, Screwed, Counter Sunk Plug.....	7.53	
22 11 16 00-1556	EA	3/4" 125 Lb. Cast Bronze, Screwed, Counter Sunk Plug.....	9.01	
22 11 16 00-1557	EA	1" 125 Lb. Cast Bronze, Screwed, Counter Sunk Plug.....	13.55	
22 11 16 00-1558	EA	1-1/4" 125 Lb. Cast Bronze, Screwed, Counter Sunk Plug.....	21.05	
22 11 16 00-1559	EA	1-1/2" 125 Lb. Cast Bronze, Screwed, Counter Sunk Plug.....	33.33	
22 11 16 00-1560	EA	2" 125 Lb. Cast Bronze, Screwed, Counter Sunk Plug.....	51.66	
22 11 16 00-1561	EA	2-1/2" 125 Lb. Cast Bronze, Screwed, Counter Sunk Plug.....	100.55	
22 11 16 00-1562	EA	3" 125 Lb. Cast Bronze, Screwed, Counter Sunk Plug.....	162.84	
22 11 16 00-1563	EA	4" 125 Lb. Cast Bronze, Screwed, Counter Sunk Plug.....	397.15	
22 11 16 00-1564 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushings (22 11 16 00-1414)				
22 11 16 00-1565	EA	1/2" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing.....	6.00	
22 11 16 00-1566	EA	3/4" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing.....	7.53	
22 11 16 00-1567	EA	1" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing.....	10.54	
22 11 16 00-1568	EA	1-1/4" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing.....	18.04	
22 11 16 00-1569	EA	1-1/2" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing.....	25.57	
22 11 16 00-1570	EA	2" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing.....	31.59	
22 11 16 00-1571	EA	2-1/2" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing.....	79.64	
22 11 16 00-1572	EA	3" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing.....	117.23	
22 11 16 00-1573	EA	4" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing.....	256.77	
22 11 16 00-1574 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushings (22 11 16 00-1414)				
22 11 16 00-1575	EA	1/2" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing.....	10.54	
22 11 16 00-1576	EA	3/4" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing.....	15.01	
22 11 16 00-1577	EA	1" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing.....	26.16	
22 11 16 00-1578	EA	1-1/4" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing.....	35.53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1579	EA		1-1/2" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing	44.42	
22 11 16 00-1580	EA		2" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing.....	55.96	
22 11 16 00-1581	EA		2-1/2" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing	114.26	
22 11 16 00-1582	EA		3" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing.....	180.78	
22 11 16 00-1583	EA		4" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing.....	379.90	
22 11 16 00-1584 1/2" Red Brass Pipe Nipples (22 11 16 00-1414)					
Note: Threaded both ends.					
22 11 16 00-1585	EA		1/2" x Close, Red Brass Pipe Nipple.....	10.57	
22 11 16 00-1586	EA		1/2" x 1-1/2" Long, Red Brass Pipe Nipple	12.37	
22 11 16 00-1587	EA		1/2" x 2" Long, Red Brass Pipe Nipple	15.15	
22 11 16 00-1588	EA		1/2" x 2-1/2" Long, Red Brass Pipe Nipple	18.00	
22 11 16 00-1589	EA		1/2" x 3" Long, Red Brass Pipe Nipple	20.85	
22 11 16 00-1590	EA		1/2" x 3-1/2" Long, Red Brass Pipe Nipple	24.61	
22 11 16 00-1591	EA		1/2" x 4" Long, Red Brass Pipe Nipple	27.60	
22 11 16 00-1592	EA		1/2" x 4-1/2" Long, Red Brass Pipe Nipple	30.31	
22 11 16 00-1593	EA		1/2" x 5" Long, Red Brass Pipe Nipple	33.16	
22 11 16 00-1594	EA		1/2" x 5-1/2" Long, Red Brass Pipe Nipple	36.29	
22 11 16 00-1595	EA		1/2" x 6" Long, Red Brass Pipe Nipple	39.07	
22 11 16 00-1596 3/4" Red Brass Pipe Nipples (22 11 16 00-1414)					
Note: Threaded both ends.					
22 11 16 00-1597	EA		3/4" x Close, Red Brass Pipe Nipple.....	15.43	
22 11 16 00-1598	EA		3/4" x 1-1/2" Long, Red Brass Pipe Nipple	16.27	
22 11 16 00-1599	EA		3/4" x 2" Long, Red Brass Pipe Nipple	19.67	
22 11 16 00-1600	EA		3/4" x 2-1/2" Long, Red Brass Pipe Nipple	23.15	
22 11 16 00-1601	EA		3/4" x 3" Long, Red Brass Pipe Nipple	26.28	
22 11 16 00-1602	EA		3/4" x 3-1/2" Long, Red Brass Pipe Nipple	30.17	
22 11 16 00-1603	EA		3/4" x 4" Long, Red Brass Pipe Nipple	33.92	
22 11 16 00-1604	EA		3/4" x 4-1/2" Long, Red Brass Pipe Nipple	38.09	
22 11 16 00-1605	EA		3/4" x 5" Long, Red Brass Pipe Nipple	41.57	
22 11 16 00-1606	EA		3/4" x 5-1/2" Long, Red Brass Pipe Nipple	47.89	
22 11 16 00-1607	EA		3/4" x 6" Long, Red Brass Pipe Nipple	50.33	
22 11 16 00-1608 1" Red Brass Pipe Nipples (22 11 16 00-1414)					
Note: Threaded both ends.					
22 11 16 00-1609	EA		1" x Close, Red Brass Pipe Nipple.....	23.49	
22 11 16 00-1610	EA		1" x 1-1/2" Long, Red Brass Pipe Nipple	25.85	
22 11 16 00-1611	EA		1" x 2" Long, Red Brass Pipe Nipple	28.22	
22 11 16 00-1612	EA		1" x 2-1/2" Long, Red Brass Pipe Nipple	33.57	
22 11 16 00-1613	EA		1" x 3" Long, Red Brass Pipe Nipple	37.95	
22 11 16 00-1614	EA		1" x 3-1/2" Long, Red Brass Pipe Nipple	44.70	
22 11 16 00-1615	EA		1" x 4" Long, Red Brass Pipe Nipple	50.05	
22 11 16 00-1616	EA		1" x 4-1/2" Long, Red Brass Pipe Nipple	55.33	
22 11 16 00-1617	EA		1" x 5" Long, Red Brass Pipe Nipple	60.75	
22 11 16 00-1618	EA		1" x 5-1/2" Long, Red Brass Pipe Nipple	66.45	
22 11 16 00-1619	EA		1" x 6" Long, Red Brass Pipe Nipple	71.74	
22 11 16 00-1620 1-1/4" Red Brass Pipe Nipples (22 11 16 00-1414)					
Note: Threaded both ends.					
22 11 16 00-1621	EA		1-1/4" x Close, Red Brass Pipe Nipple	34.76	
22 11 16 00-1622	EA		1-1/4" x 1-1/2" Long, Red Brass Pipe Nipple	37.04	
22 11 16 00-1623	EA		1-1/4" x 2" Long, Red Brass Pipe Nipple	39.83	
22 11 16 00-1624	EA		1-1/4" x 2-1/2" Long, Red Brass Pipe Nipple	47.96	
22 11 16 00-1625	EA		1-1/4" x 3" Long, Red Brass Pipe Nipple	56.03	
22 11 16 00-1626	EA		1-1/4" x 3-1/2" Long, Red Brass Pipe Nipple	65.76	
22 11 16 00-1627	EA		1-1/4" x 4" Long, Red Brass Pipe Nipple	73.82	
22 11 16 00-1628	EA		1-1/4" x 4-1/2" Long, Red Brass Pipe Nipple	81.88	
22 11 16 00-1629	EA		1-1/4" x 5" Long, Red Brass Pipe Nipple	90.02	
22 11 16 00-1630	EA		1-1/4" x 5-1/2" Long, Red Brass Pipe Nipple	98.50	
22 11 16 00-1631	EA		1-1/4" x 6" Long, Red Brass Pipe Nipple	106.56	
22 11 16 00-1632 1-1/2" Red Brass Pipe Nipples (22 11 16 00-1414)					
Note: Threaded both ends.					
22 11 16 00-1633	EA		1-1/2" x Close, Red Brass Pipe Nipple	43.24	
22 11 16 00-1634	EA		1-1/2" x 1-1/2" Long, Red Brass Pipe Nipple	45.12	
22 11 16 00-1635	EA		1-1/2" x 2" Long, Red Brass Pipe Nipple	46.99	
22 11 16 00-1636	EA		1-1/2" x 2-1/2" Long, Red Brass Pipe Nipple	57.14	
22 11 16 00-1637	EA		1-1/2" x 3" Long, Red Brass Pipe Nipple	64.79	
22 11 16 00-1638	EA		1-1/2" x 3-1/2" Long, Red Brass Pipe Nipple	76.18	
22 11 16 00-1639	EA		1-1/2" x 4" Long, Red Brass Pipe Nipple	85.78	
22 11 16 00-1640	EA		1-1/2" x 4-1/2" Long, Red Brass Pipe Nipple	95.72	
22 11 16 00-1641	EA		1-1/2" x 5" Long, Red Brass Pipe Nipple	105.31	
22 11 16 00-1642	EA		1-1/2" x 5-1/2" Long, Red Brass Pipe Nipple	114.69	
22 11 16 00-1643	EA		1-1/2" x 6" Long, Red Brass Pipe Nipple	124.08	
22 11 16 00-1644 2" Red Brass Pipe Nipples (22 11 16 00-1414)					
Note: Threaded both ends.					
22 11 16 00-1645	EA		2" x Close, Red Brass Pipe Nipple.....	66.45	

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 11 16 00-1646	EA	2" x 1-1/2" Long, Red Brass Pipe Nipple	68.78
22 11 16 00-1647	EA	2" x 2" Long, Red Brass Pipe Nipple.....	71.08
22 11 16 00-1648	EA	2" x 2-1/2" Long, Red Brass Pipe Nipple	73.40
22 11 16 00-1649	EA	2" x 3" Long, Red Brass Pipe Nipple.....	83.14
22 11 16 00-1650	EA	2" x 3-1/2" Long, Red Brass Pipe Nipple	98.01
22 11 16 00-1651	EA	2" x 4" Long, Red Brass Pipe Nipple.....	110.11
22 11 16 00-1652	EA	2" x 4-1/2" Long, Red Brass Pipe Nipple	122.20
22 11 16 00-1653	EA	2" x 5" Long, Red Brass Pipe Nipple.....	133.11
22 11 16 00-1654	EA	2" x 5-1/2" Long, Red Brass Pipe Nipple	146.81
22 11 16 00-1655	EA	2" x 6" Long, Red Brass Pipe Nipple.....	158.83

22 11 16 00-1656 Cross-Linked Polyethylene Tubing, ASTM F877 (22 11 16)

Note: Aboveground, domestic water usage.

22 11 16 00-1657 Cross-Linked Polyethylene Tubing (22 11 16 00-1656)

22 11 16 00-1658	LF	3/8" Cross-Linked Polyethylene (PEX , XPE or XLPE) Tubing	5.63
		<i>For Work In Restricted Working Space, Add</i>	1.08
22 11 16 00-1659	LF	1/2" Cross-Linked Polyethylene (PEX , XPE or XLPE) Tubing	6.15
		<i>For Work In Restricted Working Space, Add</i>	1.16
22 11 16 00-1660	LF	3/4" Cross-Linked Polyethylene (PEX , XPE or XLPE) Tubing	8.35
		<i>For Work In Restricted Working Space, Add</i>	1.26
22 11 16 00-1661	LF	1" Cross-Linked Polyethylene (PEX , XPE or XLPE) Tubing	11.57
		<i>For Work In Restricted Working Space, Add</i>	1.33

22 11 16 00-1662 Cross-Linked Polyethylene Forged Brass PEX Fittings (22 11 16 00-1656)

Note: Aboveground, domestic water usage.

22 11 16 00-1663 Male Adapters (22 11 16 00-1662)

22 11 16 00-1664	EA	3/8" x 1/2", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing	23.61
		<i>For Work In Restricted Working Space, Add</i>	5.59
22 11 16 00-1665	EA	1/2" x 1/2", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing	25.45
		<i>For Work In Restricted Working Space, Add</i>	5.97
22 11 16 00-1666	EA	1/2" x 3/4", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing	27.84
		<i>For Work In Restricted Working Space, Add</i>	6.34
22 11 16 00-1667	EA	3/4" x 3/4", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing	29.08
		<i>For Work In Restricted Working Space, Add</i>	6.71
22 11 16 00-1668	EA	3/4" x 1/2", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing	27.84
		<i>For Work In Restricted Working Space, Add</i>	6.34
22 11 16 00-1669	EA	1" x 1", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing	36.69
		<i>For Work In Restricted Working Space, Add</i>	7.46

22 11 16 00-1670 Female Adapters (22 11 16 00-1662)

22 11 16 00-1671	EA	1/2" x 1/2", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing.....	26.03
		<i>For Work In Restricted Working Space, Add</i>	5.97
22 11 16 00-1672	EA	1/2" x 3/4", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing.....	29.43
		<i>For Work In Restricted Working Space, Add</i>	6.34
22 11 16 00-1673	EA	3/4" x 3/4", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing.....	30.67
		<i>For Work In Restricted Working Space, Add</i>	6.71
22 11 16 00-1674	EA	3/4" x 1/2", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing.....	29.43
		<i>For Work In Restricted Working Space, Add</i>	6.34
22 11 16 00-1675	EA	1" x 1", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing.....	37.41
		<i>For Work In Restricted Working Space, Add</i>	7.46

22 11 16 00-1676 Tube Adapters (22 11 16 00-1662)

22 11 16 00-1677	EA	3/8" x 1/2" Forged Brass Tube Adapter For PEX Tubing.....	21.25
		<i>For Work In Restricted Working Space, Add</i>	5.59
22 11 16 00-1678	EA	1/2" Forged Brass Tube Adapter For PEX Tubing.....	22.50
		<i>For Work In Restricted Working Space, Add</i>	5.97
22 11 16 00-1679	EA	3/4" Forged Brass Tube Adapter For PEX Tubing.....	27.19
		<i>For Work In Restricted Working Space, Add</i>	6.71
22 11 16 00-1680	EA	1" Forged Brass Tube Adapter For PEX Tubing.....	35.20
		<i>For Work In Restricted Working Space, Add</i>	7.46

22 11 16 00-1681 Plugs (22 11 16 00-1662)

22 11 16 00-1682	EA	3/8" Forged Brass Plug For PEX Tubing	10.73
		<i>For Work In Restricted Working Space, Add</i>	2.61
22 11 16 00-1683	EA	1/2" Forged Brass Plug For PEX Tubing	11.97
		<i>For Work In Restricted Working Space, Add</i>	2.98
22 11 16 00-1684	EA	3/4" Forged Brass Plug For PEX Tubing	13.79
		<i>For Work In Restricted Working Space, Add</i>	3.35
22 11 16 00-1685	EA	1" Forged Brass Plug For PEX Tubing	17.26
		<i>For Work In Restricted Working Space, Add</i>	3.73

22 11 16 00-1686 Tees (22 11 16 00-1662)

22 11 16 00-1687	EA	3/8" Forged Brass Tee For PEX Tubing	30.35
		<i>For Work In Restricted Working Space, Add</i>	7.83
22 11 16 00-1688	EA	1/2" Forged Brass Tee For PEX Tubing	34.07
		<i>For Work In Restricted Working Space, Add</i>	8.95
22 11 16 00-1689	EA	3/4" Forged Brass Tee For PEX Tubing	40.70
		<i>For Work In Restricted Working Space, Add</i>	10.07

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1690	EA	1" Forged Brass Tee For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	52.60 11.18	
22 11 16 00-1691	EA	1/2" Forged Brass Reducing Tee For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	32.83 8.57	
22 11 16 00-1692	EA	3/4" Forged Brass Reducing Tee For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	38.22 9.32	
22 11 16 00-1693	EA	1" Forged Brass Reducing Tee For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	47.71 10.07	
22 11 16 00-1694		Couplings (22 11 16 00-1662)		
22 11 16 00-1695	EA	3/8" Forged Brass Coupling For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	19.58 5.22	
22 11 16 00-1696	EA	1/2" Forged Brass Coupling For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	22.21 5.97	
22 11 16 00-1697	EA	3/4" Forged Brass Coupling For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	25.41 6.71	
22 11 16 00-1698	EA	1" Forged Brass Coupling For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	31.28 7.46	
22 11 16 00-1699	EA	3/4" x 1/2" Forged Brass Reducing Coupling For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	24.17 6.34	
22 11 16 00-1700	EA	1" x 3/4" Forged Brass Reducing Coupling For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	30.04 7.08	
22 11 16 00-1701		Fitting Reducers (22 11 16 00-1662)		
22 11 16 00-1702	EA	3/8" x 1/2" Forged Brass Fitting Reducer For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	21.69 5.59	
22 11 16 00-1703	EA	1/2" Forged Brass Fitting Reducer For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	22.94 5.97	
22 11 16 00-1704	EA	3/4" Forged Brass Fitting Reducer For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	28.06 6.71	
22 11 16 00-1705	EA	1" Forged Brass Fitting Reducer For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	40.17 7.46	
22 11 16 00-1706		90 Degree Elbows (22 11 16 00-1662)		
22 11 16 00-1707	EA	3/8" Forged Brass 90 Degree Elbow For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	20.89 5.22	
22 11 16 00-1708	EA	1/2" Forged Brass 90 Degree Elbow For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	23.38 5.97	
22 11 16 00-1709	EA	3/4" Forged Brass 90 Degree Elbow For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	28.06 6.71	
22 11 16 00-1710	EA	3/4" x 1/2" Forged Brass 90 Degree Elbow For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	26.82 6.34	
22 11 16 00-1711	EA	1/2" Drop 90 Degree Elbow For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	32.45 5.97	
22 11 16 00-1712	EA	3/4" Forged Brass Drop 90 Degree Elbow For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	36.23 6.71	
22 11 16 00-1713	EA	3/4" x 1/2" Forged Brass Drop 90 Degree Elbow For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	34.99 6.34	
22 11 19		Domestic Water Piping Specialties (22 11)		
22 11 19 00-0001		Rubber Hose And Clamps (22 11 19)		
22 11 19 00-0002		General Purpose Hose (22 11 19 00-0001) Note: For medium pressure (up to 200/250 psi) applications requiring excellent resistance to air, oil and heat.		
22 11 19 00-0003	LF	3/8" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	8.73	2.47
22 11 19 00-0004	LF	1/2" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	10.36	2.47
22 11 19 00-0005	LF	5/8" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	12.81	2.47
22 11 19 00-0006	LF	3/4" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	12.93	2.47
22 11 19 00-0007	LF	1" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	17.92	3.71
22 11 19 00-0008	LF	1-1/4" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	30.20	3.71
22 11 19 00-0009	LF	1-1/2" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	32.82	4.95
22 11 19 00-0010	LF	2" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	63.93	4.95
22 11 19 00-0011		Reinforced EPDM Water Hose Assembly (22 11 19 00-0001) Note: Includes male/female camlock, 150 psi, synthetic fiber with steel wire helix reinforcement.		
22 11 19 00-0012	LF	1-1/2" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement.....	85.42	4.95
22 11 19 00-0013	LF	2" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement.....	100.90	4.95
22 11 19 00-0014	LF	3" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement.....	141.91	6.08
22 11 19 00-0015	LF	4" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement.....	199.67	8.22
22 11 19 00-0016		Chemical Resistant Rubber Hoses (22 11 19 00-0001)		
22 11 19 00-0017	EA	50' x 6" Brown Gum Rubber, Chemical Resistant Flexible Hose.....	1,544.01	398.89
22 11 19 00-0018	EA	50' x 6" Nitrile Rubber, Low pH Resistance, Flexible Hose.....	2,032.92	398.89
22 11 19 00-0019		Water Pump Hose (22 11 19 00-0001)		

22 Plumbing
22 10 Plumbing Piping
22 11 Facility Water Distribution

MINOR		TOTAL DIRECT		DEMOLITION	
CSI UOM DESCRIPTION		UNIT COST		UNIT COST	
22 11 19 00-0020	EA	2" Inside Diameter, 20' Rubber Discharge Hose.....	711.41	75.55	
22 11 19 00-0021	EA	2" Inside Diameter, 20' Rubber Intake Hose.....	754.76	75.55	
22 11 19 00-0022		Barbed Hose x Threaded Male Pipe, Steel Coupling (22 11 19 00-0001)			
22 11 19 00-0023	EA	3/8" Inside Diameter Barbed Hose x 1/2" Threaded Male Pipe, Steel Coupling.....	30.65	10.38	
22 11 19 00-0024	EA	1/2" Inside Diameter Barbed Hose x 1/2" Threaded Male Pipe, Steel Coupling.....	32.53	11.13	
22 11 19 00-0025	EA	5/8" Inside Diameter Barbed Hose x 3/4" Threaded Male Pipe, Steel Coupling.....	34.82	11.87	
22 11 19 00-0026	EA	3/4" Inside Diameter Barbed Hose x 3/4" Threaded Male Pipe, Steel Coupling.....	39.84	13.35	
22 11 19 00-0027	EA	1" Inside Diameter Barbed Hose x 1" Threaded Male Pipe, Steel Coupling.....	47.39	16.32	
22 11 19 00-0028	EA	1-1/4" Inside Diameter Barbed Hose x 1-1/4" Threaded Male Pipe, Steel Coupling.....	56.17	19.54	
22 11 19 00-0029	EA	1-1/2" Inside Diameter Barbed Hose x 1-1/2" Threaded Male Pipe, Steel Coupling.....	72.43	25.71	
22 11 19 00-0030	EA	2" Inside Diameter Barbed Hose x 2" Threaded Male Pipe, Steel Coupling.....	91.17	32.15	
22 11 19 00-0031		Worm-Drive Hose Clamp (22 11 19 00-0001)			
22 11 19 00-0032	EA	3/8" To 1" Diameter Worm Drive Hose Clamp.....	13.80	3.71	
22 11 19 00-0033	EA	1/2" To 1-1/6" Diameter Worm Drive Hose Clamp.....	14.57	3.71	
22 11 19 00-0034	EA	5/8" To 1-1/2" Diameter Worm Drive Hose Clamp.....	15.38	3.71	
22 11 19 00-0035	EA	3/4" To 2" Diameter Worm Drive Hose Clamp.....	16.34	3.71	
22 11 19 00-0036	EA	1" To 2-1/2" Diameter Worm Drive Hose Clamp.....	17.43	3.71	
22 11 19 00-0037	EA	1-1/4" To 2-3/4" Diameter Worm Drive Hose Clamp.....	18.95	4.95	
22 11 19 00-0038	EA	1-1/2" To 3" Diameter Worm Drive Hose Clamp.....	20.40	4.95	
22 11 19 00-0039		Trap Primer And Accessories (22 11 19)			
22 11 19 00-0040		Trap Primer (22 11 19 00-0039)			
22 11 19 00-0041	EA	1/2" Inlet/Outlet, Flow Through Automatic Trap Primer (JR Smith 2699).....	329.38	18.64	
22 11 19 00-0042	EA	1/2" Inlet/Outlet, Automatic Trap Primer, Up To Two Floor Drains (PPP PR-500).....	201.85	12.43	
22 11 19 00-0043	EA	1/2" Inlet/Outlet, Automatic Trap Primer, Up To Four Floor Drains (PPP PO-500).....	195.42	12.43	
22 11 19 00-0044		Trap Primer Distribution Unit (22 11 19 00-0039)			
22 11 19 00-0045	EA	Molded Plastic Four Opening Trap Primer Distribution Unit (PPP DU-U)..... Note: Can be used for two, three or four drains.	166.96	24.85	
22 11 19 00-0046	EA	Copper Four Opening Trap Primer Distribution Unit (PPP DU-4)..... Note: Can be used for two, three or four drains.	184.27	24.85	
22 11 19 00-0047		Trap Primer Manifold (22 11 19 00-0039)			
22 11 19 00-0048	EA	Two Outlet Trap Primer Manifold.....	264.08	33.42	
22 11 19 00-0049	EA	Four Outlet Trap Primer Manifold.....	400.75	38.02	
22 11 19 00-0050	EA	Six Outlet Trap Primer Manifold.....	534.44	40.26	
22 11 19 00-0051	EA	Eight Outlet Trap Primer Manifold.....	672.67	47.22	
22 11 19 00-0052		Sewage Air Release Valves (22 11 19)			
22 11 19 00-0053		Cast Iron, Sewage Air Release Valves (22 11 19 00-0052) Note: Stainless steel float.			
22 11 19 00-0054	EA	2" x 1/2" NPT, Cast Iron, Sewage Air Release Valve (Apco 400)..... For Back Flush Attachment, Add 650.00	960.07	45.38	
22 11 19 00-0055	EA	3" x 1/2" NPT, Cast Iron, Sewage Air Release Valve (Apco 400)..... For Back Flush Attachment, Add 650.00	1,181.40	75.83	
22 11 19 00-0056	EA	4" x 1/2" NPT, Cast Iron, Sewage Air Release Valve (Apco 400)..... For Back Flush Attachment, Add 650.00	1,498.02	95.72	
22 11 19 00-0057		Cast Iron, Sewage Air Vacuum Valves (22 11 19 00-0052) Note: Stainless steel float.			
22 11 19 00-0058	EA	2" x 1" NPT, Cast Iron, Sewage Air Vacuum Valve (Apco 401)..... For Back Flush Attachment, Add 650.00	980.77	45.38	
22 11 19 00-0059	EA	2" x 2" NPT, Cast Iron, Sewage Air Vacuum Valve (Apco 402)..... For Back Flush Attachment, Add 650.00	1,917.37	45.38	
22 11 19 00-0060	EA	3" x 2" NPT, Cast Iron, Sewage Air Vacuum Valve (Apco 403)..... For Back Flush Attachment, Add 650.00	2,304.28	75.83	
22 11 19 00-0061	EA	4" NPT x 4" With Hood, Cast Iron, Sewage Air Vacuum Valve (Apco 404).....	3,410.03	95.72	
22 11 19 00-0062		Cast Iron, Sewage Combination Air Valves (22 11 19 00-0052) Note: Stainless steel float.			
22 11 19 00-0063	EA	2" x 1" NPT, Sewage Combination Air Valve (Apco 443).....	2,088.14	45.38	
22 11 19 00-0064	EA	2" x 2" NPT, Sewage Combination Air Valve (Apco 445).....	2,877.26	45.38	
22 11 19 00-0065	EA	3" x 3" NPT, Sewage Combination Air Valve (Apco 447).....	3,370.25	75.83	
22 11 19 00-0066	EA	4" x 4" NPT, Sewage Combination Air Valve (Apco 449).....	4,121.54	95.72	
22 11 19 00-0067		Brass, Anti Siphon Vacuum Breakers (22 11 19) Note: Watts 288A			
22 11 19 00-0068	EA	1/2" Brass, Anti Siphon Vacuum Breaker.....	116.92	31.07	
22 11 19 00-0069	EA	3/4" Brass, Anti Siphon Vacuum Breaker.....	134.44	34.79	
22 11 19 00-0070	EA	1" Brass, Anti Siphon Vacuum Breaker.....	278.44	39.76	
22 11 19 00-0071	EA	1-1/4" Brass, Anti Siphon Vacuum Breaker.....	444.51	45.97	
22 11 19 00-0072	EA	1-1/2" Brass, Anti Siphon Vacuum Breaker.....	531.06	50.94	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0073	EA		2" Brass, Anti Siphon Vacuum Breaker	778.51	62.13
22 11 19 00-0074	EA		2-1/2" Brass, Anti Siphon Vacuum Breaker	2,049.48	77.67
22 11 19 00-0075 Anti Siphon Pressure Vacuum Breakers (22 11 19)					
Note: Watts 800M4QT					
22 11 19 00-0076	EA		1/2" Anti Siphon Pressure Type Vacuum Breaker	349.00	31.07
22 11 19 00-0077	EA		3/4" Anti Siphon Pressure Type Vacuum Breaker	304.41	34.79
22 11 19 00-0078	EA		1" Anti Siphon Pressure Type Vacuum Breaker	436.29	39.76
22 11 19 00-0079	EA		1-1/4" Anti Siphon Pressure Type Vacuum Breaker	791.80	45.97
22 11 19 00-0080	EA		1-1/2" Anti Siphon Pressure Type Vacuum Breaker	964.45	50.94
22 11 19 00-0081	EA		2" Anti Siphon Pressure Type Vacuum Breaker	972.65	62.13
22 11 19 00-0082 Bellows Type Water Hammer Arrestors (22 11 19)					
22 11 19 00-0083	EA		Up To 11 Fixture Unit Capacity, 3/4" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5005)	218.56	14.86
22 11 19 00-0084	EA		>11 To 32 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5010)	420.89	17.98
22 11 19 00-0085	EA		>32 To 60 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5020)	610.77	17.98
22 11 19 00-0086	EA		>60 To 113 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5030)	1,477.58	17.98
22 11 19 00-0087	EA		>113 To 154 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5040)	1,658.42	17.98
22 11 19 00-0088	EA		>154 To 330 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5050)	2,030.24	17.98
22 11 19 00-0089 Piston Type Water Hammer Arrestors (22 11 19)					
22 11 19 00-0090 Threaded Piston Type Water Hammer Arrestors (22 11 19 00-0089)					
22 11 19 00-0091	EA		Up To 11 Fixture Unit Capacity, 1/2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-A)	194.01	8.28
22 11 19 00-0092	EA		>11 To 32 Fixture Unit Capacity, 3/4" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-B)	373.99	9.55
22 11 19 00-0093	EA		>32 To 60 Fixture Unit Capacity, 1" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-C)	556.62	10.36
22 11 19 00-0094	EA		>60 To 113 Fixture Unit Capacity, 1-1/4" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-D)	1,371.90	13.36
22 11 19 00-0095	EA		>113 To 154 Fixture Unit Capacity, 1-1/2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-E)	1,670.85	16.57
22 11 19 00-0096	EA		>154 To 330 Fixture Unit Capacity, 2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-F)	1,901.48	17.98
22 11 19 00-0097 Escutcheons (22 11 19)					
22 11 19 00-0098 Brass Escutcheons (22 11 19 00-0097)					
22 11 19 00-0099 Shallow Brass Escutcheons (22 11 19 00-0098)					
22 11 19 00-0100	EA		3/8" IPS, Antique Or Polished Brass Shallow Escutcheon	13.80	3.11
22 11 19 00-0101	EA		1/2" IPS, Antique Or Polished Brass Shallow Escutcheon	14.85	3.11
22 11 19 00-0102 Deep Bell Brass Escutcheons (22 11 19 00-0098)					
22 11 19 00-0103	EA		3/8" IPS, Antique Or Polished Deep Bell Brass Escutcheon	16.22	3.48
22 11 19 00-0104	EA		1/2" IPS, Antique Or Polished Deep Bell Brass Escutcheon	16.26	3.48
22 11 19 00-0105 Chrome Plated Brass Escutcheons With Setscrew (22 11 19 00-0098)					
22 11 19 00-0106	EA		3/8" IPS, Chrome Plated Brass Escutcheon With Setscrew	23.42	3.11
22 11 19 00-0107	EA		1/2" IPS, Chrome Plated Brass Escutcheon With Setscrew	23.66	3.11
22 11 19 00-0108	EA		5/8" IPS, Chrome Plated Brass Escutcheon With Setscrew	24.03	3.11
22 11 19 00-0109	EA		3/4" IPS, Chrome Plated Brass Escutcheon With Setscrew	25.34	3.11
22 11 19 00-0110	EA		7/8" IPS, Chrome Plated Brass Escutcheon With Setscrew	25.74	3.72
22 11 19 00-0111	EA		1" IPS, Chrome Plated Brass Escutcheon With Setscrew	27.03	3.72
22 11 19 00-0112	EA		1-1/4" IPS, Chrome Plated Brass Escutcheon With Setscrew	28.01	4.10
22 11 19 00-0113	EA		1-1/2" IPS, Chrome Plated Brass Escutcheon With Setscrew	29.29	4.35
22 11 19 00-0114	EA		2" IPS, Chrome Plated Brass Escutcheon With Setscrew	42.02	4.97
22 11 19 00-0115 Plastic Escutcheons (22 11 19 00-0097)					
22 11 19 00-0116 Split-Ring White Plastic Escutcheons (22 11 19 00-0115)					
22 11 19 00-0117	EA		3/8" IPS, Split-Ring White Plastic Escutcheon	7.69	3.09
22 11 19 00-0118	EA		1/2" IPS, Split-Ring White Plastic Escutcheon	7.69	3.09
22 11 19 00-0119	EA		3/4" IPS, Split-Ring White Plastic Escutcheon	9.01	3.46
22 11 19 00-0120	EA		1" IPS, Split-Ring White Plastic Escutcheon	9.76	3.71
22 11 19 00-0121	EA		1-1/4" IPS, Split-Ring White Plastic Escutcheon	10.51	4.08
22 11 19 00-0122	EA		1-1/2" IPS, Split-Ring White Plastic Escutcheon	11.22	4.33
22 11 19 00-0123	EA		2" IPS, Split-Ring White Plastic Escutcheon	12.63	4.95
22 11 19 00-0124	EA		2-1/2" IPS, Split-Ring White Plastic Escutcheon	16.41	5.32
22 11 19 00-0125	EA		3" IPS, Split-Ring White Plastic Escutcheon	20.18	5.56
22 11 19 00-0126	EA		4" IPS, Split-Ring White Plastic Escutcheon	24.57	6.19

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 11 19 00-0127		Chrome Plate Plastic Escutcheons (22 19 00-0115)			
22 11 19 00-0128	EA	1/2" IPS, Chrome Plate Plastic Escutcheon.....	10.28	3.09	
22 11 19 00-0129	EA	3/4" IPS, Chrome Plate Plastic Escutcheon.....	11.22	3.46	
22 11 19 00-0130	EA	1" IPS, Chrome Plate Plastic Escutcheon.....	12.62	3.71	
22 11 19 00-0131	EA	1-1/4" IPS, Chrome Plate Plastic Escutcheon.....	14.00	4.08	
22 11 19 00-0132	EA	1-1/2" IPS, Chrome Plate Plastic Escutcheon.....	14.74	4.33	
22 11 19 00-0133	EA	2" IPS, Chrome Plate Plastic Escutcheon.....	18.62	4.95	
22 11 19 00-0134	EA	2-1/2" IPS, Chrome Plate Plastic Escutcheon.....	27.20	5.32	
22 11 19 00-0135	EA	3" IPS, Chrome Plate Plastic Escutcheon.....	28.16	5.56	
22 11 19 00-0136	EA	4" IPS, Chrome Plate Plastic Escutcheon.....	30.05	6.19	
22 11 19 00-0137		Stainless Steel Escutcheons (22 11 19 00-0097)			
22 11 19 00-0138		Shallow Stainless Steel Escutcheons (22 11 19 00-0137)			
22 11 19 00-0139	EA	3/8" IPS, Shallow Stainless Steel Escutcheon.....	19.37	3.11	
22 11 19 00-0140	EA	1/2" IPS, Shallow Stainless Steel Escutcheon.....	19.37	3.11	
22 11 19 00-0141	EA	3/4" IPS, Shallow Stainless Steel Escutcheon.....	27.59	3.48	
22 11 19 00-0142		Chrome Plated Steel Escutcheons (22 11 19 00-0097)			
22 11 19 00-0143		Split-Ring Chrome Plated Steel Escutcheons (22 11 19 00-0142)			
22 11 19 00-0144	EA	1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	6.94	3.09	
22 11 19 00-0145	EA	3/4" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	7.55	3.46	
22 11 19 00-0146	EA	1" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	8.32	3.71	
22 11 19 00-0147	EA	1-1/4" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	8.93	4.08	
22 11 19 00-0148	EA	1-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	9.56	4.33	
22 11 19 00-0149	EA	2" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	11.00	4.95	
22 11 19 00-0150	EA	2-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	16.66	5.32	
22 11 19 00-0151	EA	3" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	17.70	5.56	
22 11 19 00-0152	EA	3-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	21.83	5.93	
22 11 19 00-0153	EA	4" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	19.29	6.19	
22 11 19 00-0154	EA	5" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	24.93	6.80	
22 11 19 00-0155	EA	6" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	29.09	7.42	
22 11 19 00-0156		Split-Ring/Springs Chrome Plated Steel Escutcheons (22 11 19 00-0142)			
22 11 19 00-0157	EA	3/8" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	11.16	3.09	
22 11 19 00-0158	EA	1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	11.16	3.09	
22 11 19 00-0159	EA	3/4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	11.93	3.46	
22 11 19 00-0160	EA	1" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	12.90	3.71	
22 11 19 00-0161	EA	1-1/4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	14.26	4.08	
22 11 19 00-0162	EA	1-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	15.10	4.33	
22 11 19 00-0163	EA	2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	17.90	4.95	
22 11 19 00-0164	EA	2-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	20.61	5.32	
22 11 19 00-0165	EA	3" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	25.21	5.56	
22 11 19 00-0166	EA	3-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	31.01	5.93	
22 11 19 00-0167	EA	4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	31.46	6.19	
22 11 19 00-0168	EA	5" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	52.08	6.80	
22 11 19 00-0169	EA	6" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	54.36	7.42	
22 11 19 00-0170		Deep Bell Chrome Plated Steel Escutcheons (22 11 19 00-0142)			
22 11 19 00-0171	EA	3/8" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	8.50	3.48	
22 11 19 00-0172	EA	1/2" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	8.38	3.48	
22 11 19 00-0173	EA	3/4" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	8.12	3.48	
22 11 19 00-0174	EA	1" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	9.03	3.72	
22 11 19 00-0175	EA	1-1/4" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	9.81	4.10	
22 11 19 00-0176	EA	1-1/2" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	10.79	4.35	
22 11 19 00-0177		Shallow Chrome Plated Steel Escutcheons (22 11 19 00-0142)			
22 11 19 00-0178	EA	3/8" IPS, Shallow Chrome Plated Steel Escutcheon.....	7.63	3.11	
22 11 19 00-0179	EA	1/2" IPS, Shallow Chrome Plated Steel Escutcheon.....	7.63	3.11	
22 11 19 00-0180	EA	3/4" IPS, Shallow Chrome Plated Steel Escutcheon.....	7.75	3.11	
22 11 19 00-0181	EA	1" IPS, Shallow Chrome Plated Steel Escutcheon.....	8.29	3.72	
22 11 19 00-0182	EA	1-1/4" IPS, Shallow Chrome Plated Steel Escutcheon.....	8.97	4.10	
22 11 19 00-0183	EA	1-1/2" IPS, Shallow Chrome Plated Steel Escutcheon.....	9.94	4.35	
22 11 19 00-0184	EA	2" IPS, Shallow Chrome Plated Steel Escutcheon.....	11.27	4.97	
22 11 19 00-0185		Wall Hydrants (22 11 19)			
Note: Female inlet connection, 3/4" hose thread outlet.					
22 11 19 00-0186		Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker			
		Wall Hydrants (22 11 19 00-0185)			
Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.					
22 11 19 00-0187	EA	6" Thick Wall, Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant.....	1,217.09	31.07	
		For Cast Bronze Box, Add	64.54		
		For 1" NPT Outlet, Add	152.12		
22 11 19 00-0188	EA	12" Thick Wall, Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant.....	1,275.83	37.28	
		For Cast Bronze Box, Add	64.54		
		For 1" NPT Outlet, Add	152.12		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0189	EA	18" Thick Wall, Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant..... <i>For Cast Bronze Box, Add</i> <i>For 1" NPT Outlet, Add</i>	1,301.28 64.54 152.12	44.86
22 11 19 00-0190		Cast Bronze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrants (22 11 19 00-0185) Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.		
22 11 19 00-0191	EA	Cast Bronze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant <i>For Cast Bronze Box, Add</i> <i>For 1" NPT Outlet, Add</i>	1,177.65 64.54 152.12	52.19
22 11 19 00-0192		Cast Bronze Non-Freezing Wall Hydrant (22 11 19 00-0185) Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.		
22 11 19 00-0193	EA	3" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant <i>For 1" NPT Outlet, Add</i>	615.62 152.12	38.53
22 11 19 00-0194	EA	4" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant <i>For 1" NPT Outlet, Add</i>	779.04 152.12	38.53
22 11 19 00-0195	EA	6" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant <i>For 1" NPT Outlet, Add</i>	779.04 152.12	38.53
22 11 19 00-0196	EA	8" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant <i>For 1" NPT Outlet, Add</i>	779.04 152.12	38.53
22 11 19 00-0197	EA	10" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant <i>For 1" NPT Outlet, Add</i>	817.07 152.12	77.67
22 11 19 00-0198	EA	12" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant <i>For 1" NPT Outlet, Add</i>	817.07 152.12	77.67
22 11 19 00-0199	EA	18" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant <i>For 1" NPT Outlet, Add</i>	930.83 152.12	77.67
22 11 19 00-0200		Stainless Steel Box Type Wall Hydrants (22 11 19 00-0185) Note: With 3/4" NPT female and 3/4" NPT male inlet connection.		
22 11 19 00-0201	EA	Recessed Stainless Steel Hose Box With Wall Flange Less Door (Acorn 8140).....	582.97	31.07
22 11 19 00-0202	EA	Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange Less Door (Acorn 8141)	639.99	31.07
22 11 19 00-0203	EA	Recessed Stainless Steel Hose Box With Wall Flange And Door (Acorn 8150).....	647.76	31.07
22 11 19 00-0204	EA	Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange And Door (Acorn 8151)	733.28	31.07
22 11 19 00-0205	EA	Recessed Stainless Steel Hose Box With Wall Flange Less Door (Acorn 8145)..... Note: Includes hot and cold hose connections.	1,041.64	43.49
22 11 19 00-0206	EA	Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange Less Door (Acorn 8146)	1,075.33	43.49
22 11 19 00-0207	EA	Recessed Stainless Steel Hose Box With Wall Flange And Door (Acorn 8155)..... Note: Includes hot and cold hose connections.	1,075.33	43.49
22 11 19 00-0208	EA	Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange And Door (Acorn 8156)	1,155.67	43.49
22 11 19 00-0209		Washer Boxes And Dryer Outlets (22 11 19)		
22 11 19 00-0210		Dryer Vent Kit (22 11 19 00-0209) Note: Includes 4" flexible tubing plastic hood clamps and tailpipe.		
22 11 19 00-0211	EA	Dryer Vent Kit With Hood, 4" x 5' Flexible Vent And Clamps.....	86.27	16.15
22 11 19 00-0212		Washer Boxes And Dryer Vents (22 11 19 00-0209) Note: Includes 1/2" supply valves and mounting brackets.		
22 11 19 00-0213	EA	2" Washing Machine Outlet Box, Plastic, Two 1/2" Supply Valves	304.12	24.85
22 11 19 00-0214		Ice Maker Outlet Box (22 11 19) Note: Includes one 1/2" quarter turn ball valve and connections wall mount.		
22 11 19 00-0215	EA	Plastic Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve, Wall Mount	162.52	24.85
22 11 19 00-0216	EA	Plastic Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve With Water Hammer Arrestor, Wall Mount	165.56	24.85
22 11 19 00-0217	EA	Steel Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve, Wall Mount.....	244.77	24.85
22 11 19 00-0218		Tempering Controllers For Potable Hot Water (22 11 19)		
22 11 19 00-0219		Point-Of-Use Thermostatic Mixing Valves (Bradley) (22 11 19 00-0218) Note: Point-of-Use Water Tempering Valves: ASSE 1016, or 1070, with piston-control mechanism, positive shutoff of hot water when cold water supply is lost, bronze body and cap with replaceable corrosion-resistant components, including stainless steel piston and liner.		
22 11 19 00-0220	EA	1/2" Inlets, 1/2" Outlet Sink/Faucet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-2007).....	593.24	30.08
22 11 19 00-0221	EA	1/2" Inlets, 1/2" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4004).....	146.82	30.08
22 11 19 00-0222	EA	1/2" Inlets, 1/2" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4008).....	334.08	30.08
22 11 19 00-0223	EA	3/4" Inlets, 3/4" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4016).....	381.81	40.52
22 11 19 00-0224		Thermostatic Mixing Valves (Bradley) (22 11 19 00-0218) Note: Standard Thermostatic, Water Mixing Valves: ASSE 1017, liquid-filled motor and piston control mechanism with positive shutoff of hot water when coldwater supply is lost. Water flow is shut off in event of thermostat failure. Bronze valve body and cap with replaceable corrosion-resistant components, including stainless steel piston and liner. Equipped with integral check stops and removable strainers.		
22 11 19 00-0225	EA	3/4" Inlets, 3/4" Outlet, 25 GPM Thermostatic Mixing Valve (Bradley S59-2025)	1,622.00	43.38
22 11 19 00-0226	EA	3/4" Inlets, 1" Outlet, 45 GPM Thermostatic Mixing Valve (Bradley S59-2045).....	1,819.24	53.43
22 11 19 00-0227	EA	1" Inlets, 1-1/4" Outlet, 80 GPM Thermostatic Mixing Valve (Bradley S59-2080).....	2,187.69	62.15
22 11 19 00-0228	EA	1-1/4" Inlets, 1-1/2" Outlet, 130 GPM Thermostatic Mixing Valve (Bradley S59-2130).....	2,840.27	65.32
22 11 19 00-0229	EA	2" Inlets, 2" Outlet, 220 GPM Thermostatic Mixing Valve (Bradley S59-2200).....	3,814.04	84.75

MINOR	
CSI UOM DESCRIPTION	

TOTAL DIRECT	DEMOLITION
UNIT COST	UNIT COST

22 11 19 00-0230	High Low Temperature Thermostatic Mixing Valves (Bradley) (22 11 19 00-0218)	
	Note: High Low Temperature Thermostatic Mixing Valves: ASSE 1017, liquid-filled thermal motor and piston control mechanism with positive shutoff of hot water when cold water supply is lost, and allowing restricted cold flow in event of loss or interruption of hot water supply. Flow is shut off in the event of thermostat failure. Equipped with integral check stops, thermometer, and removable strainers.	
22 11 19 00-0231	EA 3/4" Inlets, 1" Outlet, 45 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3045)	4,147.54 66.81
22 11 19 00-0232	EA 1" Inlets, 1-1/4" Outlet, 80 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3080)	5,400.90 77.69
22 11 19 00-0233	EA 1-1/4" Inlets, 1-1/2" Outlet, 130 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3130)	6,301.35 81.66
22 11 19 00-0234	EA 2" Inlets, 2" Outlet, 220 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3200)	6,976.52 105.94
22 11 19 00-0235	Thermostatic Mixing Valves (Leonard) (22 11 19 00-0218)	
	Note: Thermostatic Water Mixing Valve with Integral combination checkstops with strainers, 125 PSI (8.6 BAR) maximum operating pressure, Copper encapsulated thermostatic assembly with Teflon coated brass shuttle, Locking temperature regulating handle, Top or bottom supply/outlet connections, Integral circulation port connection	
22 11 19 00-0236	EA 3/4" In x 3/4" Out Thermostatic Mixing Valve (Leonard LV-981-RF)	1,174.51 43.38
	Note: For hot water or two pipe low pressure steam.	
22 11 19 00-0237	EA 1" In x 1-1/4" Out Thermostatic Mixing Valve (Leonard LV-982-RF)	1,382.16 53.43
	Note: For hot water or two pipe low pressure steam.	
22 11 19 00-0238	EA 1-1/4" In x 1-1/4" Out Thermostatic Mixing Valve (Leonard LV-983-RF)	1,699.66 62.15
	Note: For hot water or two pipe low pressure steam.	
22 11 19 00-0239	EA 1-1/4" In x 1-1/2" Out Thermostatic Mixing Valve (Leonard LV-984-RF)	2,081.09 65.35
	Note: For hot water or two pipe low pressure steam.	
22 11 19 00-0240	EA 2" In x 2" Out Thermostatic Mixing Valve (Leonard LV-985-RF)	3,095.16 84.75
	Note: For hot water or two pipe low pressure steam.	
22 11 19 00-0241	Water Mixing/Self Operating Temperature Regulator (22 11 19 00-0218)	
	Note: Includes high rate spring, temperature adjustment screw, temperature dial and remote bulb with 8' capillary tube.	
22 11 19 00-0242	EA 3/4" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	3,271.34 62.13
22 11 19 00-0243	EA 1" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	3,465.86 78.29
22 11 19 00-0244	EA 1-1/4" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	3,817.21 94.44
22 11 19 00-0245	EA 1-1/2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	4,201.71 110.59
22 11 19 00-0246	EA 2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	4,996.69 145.39
22 11 19 00-0247	EA 2-1/2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	5,899.26 165.79
22 11 19 00-0248	Thermostatic Mixing Valves (Holby) (22 11 19 00-0218)	
22 11 19 00-0249	EA 2-1/2" Thermostatic Mixing Valve (Holby HOLBY2500)	5,529.47 84.78
22 11 19 00-0250	Backflow Preventer Valves (22 11 19)	
22 11 19 00-0251	Double Check Valve Backflow Preventer Assemblies (22 11 19 00-0250)	
22 11 19 00-0252	Threaded Double Check Valve Assemblies (22 11 19 00-0251)	
22 11 19 00-0253	Double Check Valve Assemblies With Quarter Turn Shut-Offs (22 11 19 00-0252)	
	Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and two epoxy coated bronze body check valves (Watts 007 QT or 719 QT series).	
22 11 19 00-0254	EA 1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series)	479.48 33.30
	For Work In Restricted Working Space, Add	
	For Owner Furnished Material, Deduct	
22 11 19 00-0255	EA 3/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series)	565.35 47.22
	For Work In Restricted Working Space, Add	
	For Owner Furnished Material, Deduct	
22 11 19 00-0256	EA 1" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series)	651.64 57.66
	For Work In Restricted Working Space, Add	
	For Owner Furnished Material, Deduct	
22 11 19 00-0257	EA 1-1/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series)	913.35 67.10
	For Work In Restricted Working Space, Add	
	For Owner Furnished Material, Deduct	
22 11 19 00-0258	EA 1-1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series)	1,131.51 77.04
	For Work In Restricted Working Space, Add	
	For Owner Furnished Material, Deduct	
22 11 19 00-0259	EA 2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series)	1,302.55 99.41
	For Work In Restricted Working Space, Add	
	For Owner Furnished Material, Deduct	
22 11 19 00-0260	Double Check Valve Assemblies With Quarter Turn Shut-Offs And Strainer	
	(22 11 19 00-0252)	
	Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, two epoxy coated bronze body check valves, and bronze strainer (Watts 007 QT-S or 719 QT-S series).	
22 11 19 00-0261	EA 1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	592.86 33.30
	For Work In Restricted Working Space, Add	
	For Owner Furnished Material, Deduct	
22 11 19 00-0262	EA 3/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	731.41 47.22
	For Work In Restricted Working Space, Add	
	For Owner Furnished Material, Deduct	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0263	EA		1" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	855.22	57.66
			For Work In Restricted Working Space, Add	43.24	
			For Owner Furnished Material, Deduct	-711.08	
22 11 19 00-0264	EA		1-1/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	1,203.42	67.10
			For Work In Restricted Working Space, Add	50.33	
			For Owner Furnished Material, Deduct	-1,035.67	
22 11 19 00-0265	EA		1-1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	1,473.16	77.04
			For Work In Restricted Working Space, Add	57.41	
			For Owner Furnished Material, Deduct	-1,281.80	
22 11 19 00-0266	EA		2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	1,774.23	99.41
			For Work In Restricted Working Space, Add	74.56	
			For Owner Furnished Material, Deduct	-1,525.71	
22 11 19 00-0267			Flanged Double Check Valve Assemblies (22 11 19 00-0251)		
22 11 19 00-0268			Double Check Valve Assemblies With Non-Rising Stem Shut-Offs (22 11 19 00-0267)		
			Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF007 NRS series).		
22 11 19 00-0269	EA		2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF007 NRS)	6,498.65	274.61
			For Work In Restricted Working Space, Add	109.85	
			For Owner Furnished Material, Deduct	-6,132.50	
22 11 19 00-0270	EA		3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF007 NRS)	7,140.32	308.94
			For Work In Restricted Working Space, Add	121.86	
			For Owner Furnished Material, Deduct	-6,734.13	
22 11 19 00-0271			Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs (22 11 19 00-0267)		
			Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF007 OSY series).		
22 11 19 00-0272	EA		2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF007 OSY).....	7,121.98	274.61
			For Work In Restricted Working Space, Add	109.85	
			For Owner Furnished Material, Deduct	-6,755.83	
22 11 19 00-0273	EA		3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 007 OSY)	8,179.20	308.94
			For Work In Restricted Working Space, Add	121.86	
			For Owner Furnished Material, Deduct	-7,773.01	
22 11 19 00-0274			Double Check Valve Assemblies With Non-Rising Stem Shut-Offs (22 11 19 00-0267)		
			Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF709 NRS series).		
22 11 19 00-0275	EA		2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series).....	6,543.60	274.61
			For Work In Restricted Working Space, Add	109.84	
			For Owner Furnished Material, Deduct	-6,177.47	
22 11 19 00-0276	EA		3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series)	4,985.59	308.94
			For Work In Restricted Working Space, Add	121.86	
			For Owner Furnished Material, Deduct	-4,579.38	
22 11 19 00-0277	EA		4" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series)	7,806.12	457.68
			For Work In Restricted Working Space, Add	182.98	
			For Owner Furnished Material, Deduct	-7,196.20	
22 11 19 00-0278	EA		6" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS Series)	11,838.28	666.34
			For Work In Restricted Working Space, Add	361.12	
			For Owner Furnished Material, Deduct	-10,634.56	
22 11 19 00-0279	EA		8" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS Series)	27,095.36	999.52
			For Work In Restricted Working Space, Add	541.76	
			For Owner Furnished Material, Deduct	-25,289.49	
22 11 19 00-0280	EA		10" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS Series)	34,810.32	1,182.22
			For Work In Restricted Working Space, Add	644.85	
			For Owner Furnished Material, Deduct	-32,660.82	
22 11 19 00-0281			Double Check Valve Assemblies With Non-Rising Stem Shut-Offs And Strainer (22 11 19 00-0267)		
			Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, two epoxy coated iron body check valves, and iron body strainer (Watts 709 NRS-S series).		
22 11 19 00-0282	EA		4" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts LF709 NRS-S-FDA Series).....	9,122.49	457.68
			For Work In Restricted Working Space, Add	182.96	
			For Owner Furnished Material, Deduct	-8,512.63	
22 11 19 00-0283	EA		6" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts LF709 NRS-S-FDA Series).....	15,146.45	666.34
			For Work In Restricted Working Space, Add	361.12	
			For Owner Furnished Material, Deduct	-13,942.73	
22 11 19 00-0284	EA		10" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts LF709 NRS-S-FDA Series).....	40,454.05	1,182.22
			For Work In Restricted Working Space, Add	644.85	
			For Owner Furnished Material, Deduct	-38,304.55	
22 11 19 00-0285			Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs (22 11 19 00-0267)		
			Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF709 OSY series).		
22 11 19 00-0286	EA		2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series).....	6,951.40	274.61
			For Work In Restricted Working Space, Add	109.84	
			For Owner Furnished Material, Deduct	-6,585.27	

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST		
22 11 19 00-0287	EA 3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	7,638.05 121.86 -7,231.86		308.94	
22 11 19 00-0288	EA 4" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	8,283.63 182.96 -7,673.77		457.68	
22 11 19 00-0289	EA 6" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	13,868.78 361.12 -12,665.06		666.34	
22 11 19 00-0290	EA 8" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	28,781.36 541.67 -26,975.78		999.52	
22 11 19 00-0291	EA 10" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	36,986.13 644.85 -34,836.63		1,182.22	
22 11 19 00-0292	Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs ^(22 11 19 00-0267) Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757 OSY series).				
22 11 19 00-0293	EA 2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,134.17 109.84 -3,768.04		274.61	
22 11 19 00-0294	EA 3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,551.25 121.86 -4,145.06		308.94	
22 11 19 00-0295	EA 4" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	5,131.94 182.96 -4,522.08		457.68	
22 11 19 00-0296	EA 6" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	8,274.63 361.12 -7,070.91		666.34	
22 11 19 00-0297	EA 8" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	15,785.36 541.67 -13,979.78		999.52	
22 11 19 00-0298	EA 10" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	17,108.86 644.85 -14,959.36		1,182.22	
22 11 19 00-0299	N-Pattern Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs ^(22 11 19 00-0267) Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757N OSY series).				
22 11 19 00-0300	EA 2-1/2" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	5,471.15 109.84 -5,105.02		274.61	
22 11 19 00-0301	EA 3" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	5,888.23 121.86 -5,482.04		308.94	
22 11 19 00-0302	EA 4" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757 OSY Series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	7,366.08 182.96 -6,756.22		457.68	
22 11 19 00-0303	EA 6" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	12,014.68 361.12 -10,810.96		666.34	
22 11 19 00-0304	EA 8" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	21,328.50 541.67 -19,522.92		999.52	
22 11 19 00-0305	EA 10" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	25,380.60 644.85 -23,231.10		1,182.22	
22 11 19 00-0306	Double Check Valve Assemblies With Non-Rising Stem Shut-Off Valves ^(22 11 19 00-0267) Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757 NRS series).				
22 11 19 00-0307	EA 2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	3,868.25 109.84 -3,502.12		274.61	
22 11 19 00-0308	EA 3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,297.42 121.86 -3,891.23		308.94	
22 11 19 00-0309	EA 4" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,890.05 182.96 -4,280.19		457.68	
22 11 19 00-0310	EA 6" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	8,084.61 361.12 -6,880.89		666.34	
22 11 19 00-0311	EA 8" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	15,602.24 541.67 -13,796.66		999.52	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0312	EA	10" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	17,620.16 644.85 -15,470.66	1,182.22
22 11 19 00-0313		N-Pattern Double Check Valve Assemblies With Non-Rising Stem Shut-Offs (22 11 19 00-0267) Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757N NRS series).		
22 11 19 00-0314	EA	2-1/2" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	5,093.12 109.84 -4,726.99	274.61
22 11 19 00-0315	EA	3" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	5,510.20 121.86 -5,104.01	308.94
22 11 19 00-0316	EA	4" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	6,988.52 182.96 -6,378.66	457.68
22 11 19 00-0317	EA	6" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	11,612.54 361.12 -10,408.82	666.34
22 11 19 00-0318	EA	8" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	20,719.82 541.67 -18,914.24	999.52
22 11 19 00-0319	EA	10" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	24,770.15 644.85 -22,620.65	1,182.22
22 11 19 00-0320		Double Check Valve Assemblies With Butterfly Shut-Off Valves (22 11 19 00-0267) Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, and single stainless steel housing and sleeve for two check valves (Watts 757 BFG series).		
22 11 19 00-0321	EA	2-1/2" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,497.16 109.84 -4,131.03	274.61
22 11 19 00-0322	EA	3" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,914.24 121.86 -4,508.05	308.94
22 11 19 00-0323	EA	4" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	5,494.93 182.96 -4,885.07	457.68
22 11 19 00-0324	EA	6" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	8,646.77 361.12 -7,443.05	666.34
22 11 19 00-0325	EA	8" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	16,157.50 541.67 -14,351.92	999.52
22 11 19 00-0326		N-Pattern Double Check Valve Assemblies With Butterfly Shut-Offs (22 11 19 00-0267) Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, and single stainless steel housing and sleeve for two check valves (Watts 757N BFG series).		
22 11 19 00-0327	EA	2-1/2" N-Pattern Flanged Double Check Assembly With Butterfly Valves (Watts 757 BFG series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	5,834.14 109.84 -5,468.01	274.61
22 11 19 00-0328	EA	3" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	6,251.22 121.86 -5,845.03	308.94
22 11 19 00-0329	EA	4" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	7,729.07 182.96 -7,119.21	457.68
22 11 19 00-0330	EA	6" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	12,386.90 361.12 -11,183.18	666.34
22 11 19 00-0331	EA	8" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	16,157.50 541.67 -14,351.92	999.52
22 11 19 00-0332		Grooved Double Check Valve Assemblies (22 11 19 00-0251)		
22 11 19 00-0333		Double Check Valve Assemblies With Quarter Turn Shut-Offs (22 11 19 00-0332) Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and single stainless steel housing and sleeve for two check valves (Watts 757 QT series).		
22 11 19 00-0334	EA	2-1/2" Grooved Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 757 QT series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	3,868.25 109.84 -3,502.12	146.46
22 11 19 00-0335	EA	3" Grooved Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 757 QT series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,297.42 121.86 -3,891.23	162.48
22 11 19 00-0336		N-Patten Double Check Valve Assemblies With Quarter Turn Shut-Offs (22 11 19 00-0332) Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and single stainless steel housing and sleeve for two check valves (Watts 757N QT series).		
22 11 19 00-0337	EA	2-1/2" N-Pattern Grooved Double Check Valve Assembly With QT Shutoffs (Watts 757 QT series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	5,093.12 109.84 -4,726.99	146.46

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 11 19 00-0338 EA 3" N-Pattern Grooved Double Check Valve Assembly With QT Shutoffs (Watts 757 QT series).....5,510.20 162.48
 For Work In Restricted Working Space, Add 121.86
 For Owner Furnished Material, Deduct -5,104.01

22 11 19 00-0339 Reduced Pressure Zone Backflow Preventer Assemblies (22 11 19 00-0250)**22 11 19 00-0340 Threaded Reduced Pressure Zone Assemblies (22 11 19 00-0339)****22 11 19 00-0341 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs (22 11 19 00-0340)**
 Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 009 QT series).

22 11 19 00-0342 EA 1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series).....532.91 28.82
 For Work In Restricted Working Space, Add 21.62
 For Owner Furnished Material, Deduct -460.84
 22 11 19 00-0343 EA 3/8" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series).....562.75 31.81
 For Work In Restricted Working Space, Add 23.86
 For Owner Furnished Material, Deduct -483.22
 22 11 19 00-0344 EA 1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series).....655.67 33.30
 For Work In Restricted Working Space, Add 24.98
 For Owner Furnished Material, Deduct -572.42
 22 11 19 00-0345 EA 3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M3 QT series).....880.40 47.22
 For Work In Restricted Working Space, Add 35.42
 For Owner Furnished Material, Deduct -762.35
 22 11 19 00-0346 EA 1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series).....1,044.46 57.66
 For Work In Restricted Working Space, Add 43.24
 For Owner Furnished Material, Deduct -900.32
 22 11 19 00-0347 EA 1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series).....1,580.08 67.10
 For Work In Restricted Working Space, Add 50.33
 For Owner Furnished Material, Deduct -1,412.33
 22 11 19 00-0348 EA 1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series).....1,670.12 77.04
 For Work In Restricted Working Space, Add 57.41
 For Owner Furnished Material, Deduct -1,478.76
 22 11 19 00-0349 EA 2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series).....2,003.30 99.41
 For Work In Restricted Working Space, Add 74.56
 For Owner Furnished Material, Deduct -1,754.78

22 11 19 00-0350 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer (22 11 19 00-0340)

Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts 009 QT-S series).

22 11 19 00-0351 EA 1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....588.70 28.82
 For Work In Restricted Working Space, Add 21.62
 For Owner Furnished Material, Deduct -516.63
 22 11 19 00-0352 EA 3/8" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....621.55 31.81
 For Work In Restricted Working Space, Add 23.86
 For Owner Furnished Material, Deduct -542.02
 22 11 19 00-0353 EA 1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....736.24 47.22
 For Work In Restricted Working Space, Add 24.98
 For Owner Furnished Material, Deduct -652.99
 22 11 19 00-0354 EA 3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....1,007.03 47.22
 For Work In Restricted Working Space, Add 35.42
 For Owner Furnished Material, Deduct -888.98
 22 11 19 00-0355 EA 1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....1,202.79 57.66
 For Work In Restricted Working Space, Add 43.24
 For Owner Furnished Material, Deduct -1,058.65
 22 11 19 00-0356 EA 1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....1,796.01 67.10
 For Work In Restricted Working Space, Add 50.33
 For Owner Furnished Material, Deduct -1,628.26
 22 11 19 00-0357 EA 1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....1,974.84 77.04
 For Work In Restricted Working Space, Add 57.41
 For Owner Furnished Material, Deduct -1,783.48
 22 11 19 00-0358 EA 2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....2,377.15 99.41
 For Work In Restricted Working Space, Add 74.56
 For Owner Furnished Material, Deduct -2,128.63

22 11 19 00-0359 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs (22 11 19 00-0340)

Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 919 QT series).

22 11 19 00-0360 EA 3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series).....880.40 47.22
 For Work In Restricted Working Space, Add 35.42
 For Owner Furnished Material, Deduct -762.35
 22 11 19 00-0361 EA 1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series).....1,044.46 57.66
 For Work In Restricted Working Space, Add 43.24
 For Owner Furnished Material, Deduct -900.32
 22 11 19 00-0362 EA 1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series).....1,580.08 67.10
 For Work In Restricted Working Space, Add 50.33
 For Owner Furnished Material, Deduct -1,412.33

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0363	EA		1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series).....	1,670.12	77.04
			For Work In Restricted Working Space, Add	57.41	
			For Owner Furnished Material, Deduct	-1,478.76	
22 11 19 00-0364	EA		2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series).....	2,003.30	99.41
			For Work In Restricted Working Space, Add	74.56	
			For Owner Furnished Material, Deduct	-1,754.78	
22 11 19 00-0365 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer (22 11 19 00-0340)					
Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts 919 QT-S series).					
22 11 19 00-0366	EA		3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series).....	1,007.03	47.22
			For Work In Restricted Working Space, Add	35.42	
			For Owner Furnished Material, Deduct	-888.98	
22 11 19 00-0367	EA		1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series).....	1,202.79	57.66
			For Work In Restricted Working Space, Add	43.24	
			For Owner Furnished Material, Deduct	-1,058.65	
22 11 19 00-0368	EA		1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series).....	1,796.01	67.10
			For Work In Restricted Working Space, Add	50.33	
			For Owner Furnished Material, Deduct	-1,628.26	
22 11 19 00-0369	EA		1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series).....	1,974.84	77.04
			For Work In Restricted Working Space, Add	57.41	
			For Owner Furnished Material, Deduct	-1,783.48	
22 11 19 00-0370	EA		2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series).....	2,377.15	99.41
			For Work In Restricted Working Space, Add	74.56	
			For Owner Furnished Material, Deduct	-2,128.63	
22 11 19 00-0371 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs (22 11 19 00-0340)					
Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 909 QT series).					
22 11 19 00-0372	EA		3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909QT)	1,820.90	47.22
			For Work In Restricted Working Space, Add	35.42	
			For Owner Furnished Material, Deduct	-1,702.85	
22 11 19 00-0373	EA		1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909QT)	2,155.17	57.66
			For Work In Restricted Working Space, Add	43.24	
			For Owner Furnished Material, Deduct	-2,011.03	
22 11 19 00-0374	EA		1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909M1QT)	3,318.31	67.10
			For Work In Restricted Working Space, Add	50.33	
			For Owner Furnished Material, Deduct	-3,150.56	
22 11 19 00-0375	EA		1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909M1QT)	3,587.03	77.04
			For Work In Restricted Working Space, Add	57.41	
			For Owner Furnished Material, Deduct	-3,395.67	
22 11 19 00-0376	EA		2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 909M1QT).....	4,160.20	99.41
			For Work In Restricted Working Space, Add	74.56	
			For Owner Furnished Material, Deduct	-3,911.68	
22 11 19 00-0377 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer (22 11 19 00-0340)					
Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts LF909 QT-S series).					
22 11 19 00-0378	EA		3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909QT-S)	2,453.88	47.22
			For Work In Restricted Working Space, Add	35.42	
			For Owner Furnished Material, Deduct	-2,335.83	
22 11 19 00-0379	EA		1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909QT-S)	2,916.86	57.66
			For Work In Restricted Working Space, Add	43.24	
			For Owner Furnished Material, Deduct	-2,772.72	
22 11 19 00-0380	EA		1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909M1QT-S).....	4,448.95	67.10
			For Work In Restricted Working Space, Add	50.33	
			For Owner Furnished Material, Deduct	-4,281.20	
22 11 19 00-0381	EA		1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909M1QT-S).....	4,859.58	77.04
			For Work In Restricted Working Space, Add	57.41	
			For Owner Furnished Material, Deduct	-4,668.22	
22 11 19 00-0382	EA		2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909M1QT-S).....	5,771.60	99.41
			For Work In Restricted Working Space, Add	74.56	
			For Owner Furnished Material, Deduct	-5,523.08	
22 11 19 00-0383 Flanged Reduced Pressure Zone Assemblies (22 11 19 00-0339)					
22 11 19 00-0384 Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Offs (22 11 19 00-0383)					
Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and captured spring assemblies (Watts LF009 NRS series).					
22 11 19 00-0385	EA		2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF009 NRS series)	5,976.11	274.61
			For Work In Restricted Working Space, Add	109.85	
			For Owner Furnished Material, Deduct	-5,609.96	
22 11 19 00-0386	EA		3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF009 NRS series).....	6,734.07	308.94
			For Work In Restricted Working Space, Add	121.86	
			For Owner Furnished Material, Deduct	-6,327.88	

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 11 19 00-0387	Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Off And Strainer (22 11 19 00-0383)			
	Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, iron body strainer, and captured spring assemblies (Watts LF009 NRS-S-FDA series).			
22 11 19 00-0388	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF009 NRS-S-FDA series).....	7,126.64	274.61
		For Work In Restricted Working Space, Add	109.85	
		For Owner Furnished Material, Deduct	-6,760.49	
22 11 19 00-0389	EA	3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF009 NRS-S-FDA series).....	8,070.66	308.94
		For Work In Restricted Working Space, Add	121.86	
		For Owner Furnished Material, Deduct	-7,664.47	
22 11 19 00-0390	Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs (22 11 19 00-0383)			
	Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies (Watts LF009 OSY series).			
22 11 19 00-0391	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF009 OSY series).....	6,416.47	274.61
		For Work In Restricted Working Space, Add	109.85	
		For Owner Furnished Material, Deduct	-6,050.32	
22 11 19 00-0392	EA	3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF009 OSY series).....	7,465.94	308.94
		For Work In Restricted Working Space, Add	121.86	
		For Owner Furnished Material, Deduct	-7,059.75	
22 11 19 00-0393	Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs And Strainer (22 11 19 00-0383)			
	Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies. (Watts LF009 OSY-S-FDA Series)			
22 11 19 00-0394	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs And Strainer (Watts LF009 OSY-S-FDA series).....	7,126.64	274.61
		For Work In Restricted Working Space, Add	109.85	
		For Owner Furnished Material, Deduct	-6,760.49	
22 11 19 00-0395	EA	3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs And Strainer (Watts LF009 OSY-S-FDA series).....	8,070.66	308.94
		For Work In Restricted Working Space, Add	121.86	
		For Owner Furnished Material, Deduct	-7,664.47	
22 11 19 00-0396	Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs (22 11 19 00-0383)			
	Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and captured spring assemblies (Watts LF009 QT-FDA series).			
22 11 19 00-0397	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts LF009 QT-FDA series).....	7,912.77	274.61
		For Work In Restricted Working Space, Add	109.85	
		For Owner Furnished Material, Deduct	-7,546.62	
22 11 19 00-0398	EA	3" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts LF009 QT-FDA series).....	9,157.61	308.94
		For Work In Restricted Working Space, Add	121.86	
		For Owner Furnished Material, Deduct	-8,751.42	
22 11 19 00-0399	Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Offs (22 11 19 00-0383)			
	Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and captured spring assemblies (Watts LF909 NRS series).			
22 11 19 00-0400	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series).....	10,272.72	274.61
		For Work In Restricted Working Space, Add	109.84	
		For Owner Furnished Material, Deduct	-9,906.59	
22 11 19 00-0401	EA	3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series).....	11,671.10	308.94
		For Work In Restricted Working Space, Add	121.86	
		For Owner Furnished Material, Deduct	-11,264.89	
22 11 19 00-0402	EA	4" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series).....	14,692.20	457.68
		For Work In Restricted Working Space, Add	182.98	
		For Owner Furnished Material, Deduct	-14,082.28	
22 11 19 00-0403	EA	6" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series).....	22,146.41	666.34
		For Work In Restricted Working Space, Add	505.60	
		For Owner Furnished Material, Deduct	-20,461.09	
22 11 19 00-0404	EA	8" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909M1 NRS series).....	36,746.34	999.52
		For Work In Restricted Working Space, Add	758.39	
		For Owner Furnished Material, Deduct	-34,218.37	
22 11 19 00-0405	EA	10" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909M1 NRS series).....	47,470.96	1,182.22
		For Work In Restricted Working Space, Add	644.85	
		For Owner Furnished Material, Deduct	-45,321.46	
22 11 19 00-0406	Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Off And Epoxy Coated Strainer (22 11 19 00-0383)			
	Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, iron body strainer, and captured spring assemblies (Watts LF909 NRS-S-FDA series).			
22 11 19 00-0407	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series).....	11,071.27	274.61
		For Work In Restricted Working Space, Add	109.84	
		For Owner Furnished Material, Deduct	-10,705.14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0408	EA		3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series).....	12,511.49	308.94
			For Work In Restricted Working Space, Add	121.86	
			For Owner Furnished Material, Deduct	-12,105.30	
22 11 19 00-0409	EA		4" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series).....	15,980.66	457.68
			For Work In Restricted Working Space, Add	182.96	
			For Owner Furnished Material, Deduct	-15,370.80	
22 11 19 00-0410	EA		6" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series).....	24,090.13	666.34
			For Work In Restricted Working Space, Add	361.12	
			For Owner Furnished Material, Deduct	-22,886.41	
22 11 19 00-0411	EA		8" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series).....	39,018.25	999.52
			For Work In Restricted Working Space, Add	541.67	
			For Owner Furnished Material, Deduct	-37,212.67	
22 11 19 00-0412	EA		10" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series).....	52,968.47	1,182.22
			For Work In Restricted Working Space, Add	644.85	
			For Owner Furnished Material, Deduct	-50,818.97	
22 11 19 00-0413			Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs (22 11 19 00-0383)		
			Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies (Watts LF909 OSY series).		
22 11 19 00-0414	EA		2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series).....	10,930.16	274.61
			For Work In Restricted Working Space, Add	109.84	
			For Owner Furnished Material, Deduct	-10,564.03	
22 11 19 00-0415	EA		3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series).....	12,424.68	308.94
			For Work In Restricted Working Space, Add	121.86	
			For Owner Furnished Material, Deduct	-12,018.47	
22 11 19 00-0416	EA		4" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series).....	15,628.74	457.68
			For Work In Restricted Working Space, Add	182.98	
			For Owner Furnished Material, Deduct	-15,018.82	
22 11 19 00-0417	EA		6" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series).....	23,030.06	666.34
			For Work In Restricted Working Space, Add	361.12	
			For Owner Furnished Material, Deduct	-21,826.34	
22 11 19 00-0418	EA		8" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909M1 OSY series).....	38,306.23	999.52
			For Work In Restricted Working Space, Add	541.67	
			For Owner Furnished Material, Deduct	-36,500.65	
22 11 19 00-0419	EA		10" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909M1 OSY series).....	50,490.69	1,182.22
			For Work In Restricted Working Space, Add	644.85	
			For Owner Furnished Material, Deduct	-48,341.19	
22 11 19 00-0420			Double Check Detector Assemblies (22 11 19 00-0250)		
22 11 19 00-0421			Flanged Double Check Detector Assemblies With Meter (22 11 19 00-0420)		
22 11 19 00-0422			Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs And Meter (22 11 19 00-0421)		
			Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, two epoxy coated iron body check valves, and meter (Watts 709 DCDA OSY series).		
22 11 19 00-0423	EA		3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	8,194.78	308.94
			For Work In Restricted Working Space, Add	121.86	
			For Owner Furnished Material, Deduct	-7,788.59	
22 11 19 00-0424	EA		4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	8,579.17	457.68
			For Work In Restricted Working Space, Add	182.96	
			For Owner Furnished Material, Deduct	-7,969.31	
22 11 19 00-0425	EA		6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	11,552.15	666.34
			For Work In Restricted Working Space, Add	361.12	
			For Owner Furnished Material, Deduct	-10,348.43	
22 11 19 00-0426	EA		8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	20,510.96	999.52
			For Work In Restricted Working Space, Add	541.67	
			For Owner Furnished Material, Deduct	-18,705.38	
22 11 19 00-0427	EA		10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	27,713.44	1,182.22
			For Work In Restricted Working Space, Add	644.85	
			For Owner Furnished Material, Deduct	-25,563.94	
22 11 19 00-0428			Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs And Meter (22 11 19 00-0421)		
			Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 757 DCDA OSY series).		
22 11 19 00-0429	EA		2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series).....	6,136.21	274.61
			For Work In Restricted Working Space, Add	109.85	
			For Owner Furnished Material, Deduct	-5,770.06	

22 Plumbing
22 10 Plumbing Piping
22 11 Facility Water Distribution

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 11 19 00-0430	EA	3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	6,552.88	308.94
		<i>For Work In Restricted Working Space, Add</i>	121.86	
		<i>For Owner Furnished Material, Deduct</i>	-6,146.69	
22 11 19 00-0431	EA	4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	7,142.49	457.68
		<i>For Work In Restricted Working Space, Add</i>	182.96	
		<i>For Owner Furnished Material, Deduct</i>	-6,532.63	
22 11 19 00-0432	EA	6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	9,686.27	666.34
		<i>For Work In Restricted Working Space, Add</i>	361.12	
		<i>For Owner Furnished Material, Deduct</i>	-8,482.55	
22 11 19 00-0433	EA	8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	17,138.55	999.52
		<i>For Work In Restricted Working Space, Add</i>	541.67	
		<i>For Owner Furnished Material, Deduct</i>	-15,332.97	
22 11 19 00-0434	EA	10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	20,209.69	1,182.22
		<i>For Work In Restricted Working Space, Add</i>	644.85	
		<i>For Owner Furnished Material, Deduct</i>	-18,060.19	

22 11 19 00-0435 Double Check Detector Assembly With Butterfly Valves And Meter (22 11 19 00-0421)

Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 757 DCDA BFG series).

22 11 19 00-0436	EA	2-1/2" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	6,499.27	274.61
		<i>For Work In Restricted Working Space, Add</i>	109.85	
		<i>For Owner Furnished Material, Deduct</i>	-6,133.12	
22 11 19 00-0437	EA	3" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	6,915.95	308.94
		<i>For Work In Restricted Working Space, Add</i>	121.86	
		<i>For Owner Furnished Material, Deduct</i>	-6,509.76	
22 11 19 00-0438	EA	4" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	7,505.48	457.68
		<i>For Work In Restricted Working Space, Add</i>	182.96	
		<i>For Owner Furnished Material, Deduct</i>	-6,895.62	
22 11 19 00-0439	EA	6" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	10,058.40	666.34
		<i>For Work In Restricted Working Space, Add</i>	361.12	
		<i>For Owner Furnished Material, Deduct</i>	-8,854.68	
22 11 19 00-0440	EA	8" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	16,692.06	999.52
		<i>For Work In Restricted Working Space, Add</i>	541.67	
		<i>For Owner Furnished Material, Deduct</i>	-14,886.48	

22 11 19 00-0441 Flanged Double Check Detector Assemblies Without Meter (22 11 19 00-0420)

22 11 19 00-0442 Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs Less Meter (22 11 19 00-0441)

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves (Watts 757 DCDA OSY LM series).

22 11 19 00-0443	EA	2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	6,021.57	274.61
		<i>For Work In Restricted Working Space, Add</i>	109.85	
22 11 19 00-0444	EA	3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	6,438.29	308.94
		<i>For Work In Restricted Working Space, Add</i>	121.86	
22 11 19 00-0445	EA	4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	7,027.90	457.68
		<i>For Work In Restricted Working Space, Add</i>	182.96	
22 11 19 00-0446	EA	6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	9,571.68	666.34
		<i>For Work In Restricted Working Space, Add</i>	361.12	
22 11 19 00-0447	EA	8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	17,024.04	999.52
		<i>For Work In Restricted Working Space, Add</i>	541.67	
22 11 19 00-0448	EA	10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	20,095.02	1,182.22
		<i>For Work In Restricted Working Space, Add</i>	644.85	

22 11 19 00-0449 Double Check Detector Assembly With Butterfly Valves Less Meter (22 11 19 00-0441)

Note: Includes ball type test cocks, two butterfly resilient seated iron body butterfly valves, single stainless steel housing and sleeve for two check valves (Watts 757 DCDA BFG LM series).

22 11 19 00-0450	EA	2-1/2" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	6,384.61	274.61
		<i>For Work In Restricted Working Space, Add</i>	109.85	
22 11 19 00-0451	EA	3" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	6,801.28	308.94
		<i>For Work In Restricted Working Space, Add</i>	121.86	
22 11 19 00-0452	EA	4" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	7,390.89	457.68
		<i>For Work In Restricted Working Space, Add</i>	182.96	
22 11 19 00-0453	EA	6" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	9,943.74	666.34
		<i>For Work In Restricted Working Space, Add</i>	361.12	
22 11 19 00-0454	EA	8" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	17,396.17	999.52
		<i>For Work In Restricted Working Space, Add</i>	541.67	

22 11 19 00-0455 Backflow Preventer Accessories (22 11 19 00-0250)

22 11 19 00-0456 Air Gap (22 11 19 00-0455)

22 11 19 00-0457	EA	Up To 1" Diameter Air Gap For Backflow Preventer	136.51	15.53
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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0458	EA	1-1/4" To 2" Diameter Air Gap For Backflow Preventer	168.00	18.64
22 11 19 00-0459	EA	2-1/2" To 3" Diameter Air Gap For Backflow Preventer	315.80	24.85
22 11 19 00-0460	EA	4" To 6" Diameter Air Gap For Backflow Preventer	624.84	43.49
22 11 19 00-0461	EA	8" To 10" Diameter Air Gap For Backflow Preventer	662.12	62.13
22 11 19 00-0462		Brass Test Cocks (22 11 19 00-0455)		
22 11 19 00-0463	EA	1/8" Or 1/4" Brass Test Cock	55.57	6.21
22 11 19 00-0464		Backflow Valve Enclosures (22 11 19 00-0250)		
22 11 19 00-0465		Flip-Top, Insulated Fiberglass Valve Enclosures (22 11 19 00-0464)		
Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.				
22 11 19 00-0466	EA	19" Length x 11" Width x 22" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	1,401.25	111.83
		For Heated Enclosure, Add	168.25	
22 11 19 00-0467	EA	27" Length x 13" Width x 23" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	1,715.10	111.83
		For Heated Enclosure, Add	215.33	
22 11 19 00-0468	EA	27" Length x 13" Width x 35" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	2,162.36	102.98
		For Heated Enclosure, Add	285.74	
22 11 19 00-0469	EA	33" Length x 21" Width x 25" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	2,256.36	137.31
		For Heated Enclosure, Add	286.97	
22 11 19 00-0470	EA	39" Length x 13" Width x 28" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	2,362.79	137.31
		For Heated Enclosure, Add	302.93	
22 11 19 00-0471	EA	47" Length x 13" Width x 28" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	2,777.62	137.31
		For Heated Enclosure, Add	365.15	
22 11 19 00-0472	EA	39" Length x 13" Width x 36" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	2,788.53	137.31
		For Heated Enclosure, Add	366.79	
22 11 19 00-0473	EA	47" Length x 13" Width x 36" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	3,495.37	137.31
		For Heated Enclosure, Add	472.82	
22 11 19 00-0474	EA	70" Length x 26" Width x 45" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	8,017.19	205.95
		For Heated Enclosure, Add	1,125.35	
22 11 19 00-0475	EA	83" Length x 26" Width x 45" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	11,584.12	205.95
		For Heated Enclosure, Add	1,660.38	
22 11 19 00-0476	EA	70" Length x 26" Width x 55" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	11,011.01	205.95
		For Heated Enclosure, Add	1,574.42	
22 11 19 00-0477	EA	83" Length x 26" Width x 55" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	13,255.55	240.28
		For Heated Enclosure, Add	1,898.23	
22 11 19 00-0478		One-Piece Drop Over, Insulated Fiberglass Valve Enclosures (22 11 19 00-0464)		
Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.				
22 11 19 00-0479	EA	20" Length x 6-1/2" Width x 22" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	731.99	29.82
		For Heated Enclosure, Add	136.46	
22 11 19 00-0480	EA	27" Length x 14" Width x 26" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	1,021.27	29.82
		For Heated Enclosure, Add	194.31	
22 11 19 00-0481	EA	38-1/2" Length x 12" Width x 28" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	1,284.78	27.46
		For Heated Enclosure, Add	247.80	
22 11 19 00-0482	EA	47" Length x 13" Width x 28" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	1,945.22	27.46
		For Heated Enclosure, Add	379.89	
22 11 19 00-0483	EA	70" Length x 26" Width x 45" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	5,041.87	51.49
		For Heated Enclosure, Add	991.21	
22 11 19 00-0484	EA	83" Length x 26" Width x 45" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	6,889.47	51.49
		For Heated Enclosure, Add	1,360.73	
22 11 19 00-0485	EA	45" Length x 35" Width x 35" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	4,583.38	51.49
		For Heated Enclosure, Add	899.51	
22 11 19 00-0486	EA	53" Length x 44" Width x 44" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	5,189.24	51.49
		For Heated Enclosure, Add	1,020.68	
22 11 19 00-0487	EA	61" Length x 52" Width x 50" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	8,128.48	51.49
		For Heated Enclosure, Add	1,608.53	
22 11 19 00-0488		Sectional, Insulated Aluminum Valve Enclosures (22 11 19 00-0464)		
Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.				
22 11 19 00-0489	EA	70" Length x 26" Width x 55" Height, Sectional, Insulated Aluminum Valve Enclosure	10,372.40	205.95
		For One 24" Fluorescent Light Fixture, Add	851.43	
		For Two 24" Fluorescent Light Fixture, Add	1,523.60	
		For Heated Enclosure, Add	1,478.63	
22 11 19 00-0490	EA	83" Length x 26" Width x 55" Height, Sectional, Insulated Aluminum Valve Enclosure	11,428.56	205.95
		For One 24" Fluorescent Light Fixture, Add	851.43	
		For Two 24" Fluorescent Light Fixture, Add	1,523.60	
		For Heated Enclosure, Add	1,637.05	
22 11 19 00-0491	EA	53" Length x 33" Width x 44" Height, Sectional, Insulated Aluminum Valve Enclosure	8,145.45	205.95
		For One 24" Fluorescent Light Fixture, Add	851.43	
		For Two 24" Fluorescent Light Fixture, Add	1,523.60	
		For Heated Enclosure, Add	1,144.58	
22 11 19 00-0492	EA	53" Length x 44" Width x 44" Height, Sectional, Insulated Aluminum Valve Enclosure	8,925.98	205.95
		For One 24" Fluorescent Light Fixture, Add	851.43	
		For Two 24" Fluorescent Light Fixture, Add	1,523.60	
		For Heated Enclosure, Add	1,261.66	
22 11 19 00-0493	EA	90" Length x 32" Width x 50-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure	10,399.39	274.61
		For One 24" Fluorescent Light Fixture, Add	851.43	
		For Two 24" Fluorescent Light Fixture, Add	1,523.60	
		For Heated Enclosure, Add	1,456.93	
22 11 19 00-0494	EA	102" Length x 32" Width x 50-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure	11,649.31	274.61
		For One 24" Fluorescent Light Fixture, Add	851.43	
		For Two 24" Fluorescent Light Fixture, Add	1,523.60	
		For Heated Enclosure, Add	1,644.42	

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR

CSI UOM DESCRIPTION

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UNIT COST

UNIT COST

22 11 19 00-0495	EA	90" Length x 32" Width x 57-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure	11,649.31	274.61
		For One 24" Fluorescent Light Fixture, Add	851.43	
		For Two 24" Fluorescent Light Fixture, Add	1,523.60	
		For Heated Enclosure, Add	1,644.42	
22 11 19 00-0496	EA	102" Length x 32" Width x 57-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure	12,861.04	274.61
		For One 24" Fluorescent Light Fixture, Add	851.43	
		For Two 24" Fluorescent Light Fixture, Add	1,523.60	
		For Heated Enclosure, Add	1,826.18	
22 11 19 00-0497	EA	62" Length x 39" Width x 46" Height, Sectional, Insulated Aluminum Valve Enclosure	9,669.51	240.28
		For One 24" Fluorescent Light Fixture, Add	851.43	
		For Two 24" Fluorescent Light Fixture, Add	1,523.60	
		For Heated Enclosure, Add	1,360.32	
22 11 19 00-0498	EA	62" Length x 53" Width x 46" Height, Sectional, Insulated Aluminum Valve Enclosure	11,319.09	274.61
		For One 24" Fluorescent Light Fixture, Add	851.43	
		For Two 24" Fluorescent Light Fixture, Add	1,523.60	
		For Heated Enclosure, Add	1,594.89	
22 11 19 00-0499	EA	105" Length x 36" Width x 53" Height, Sectional, Insulated Aluminum Valve Enclosure	13,210.36	274.61
		For One 24" Fluorescent Light Fixture, Add	851.43	
		For Two 24" Fluorescent Light Fixture, Add	1,523.60	
		For Heated Enclosure, Add	1,878.58	
22 11 19 00-0500	EA	125" Length x 36" Width x 53" Height, Sectional, Insulated Aluminum Valve Enclosure	14,497.75	291.77
		For One 24" Fluorescent Light Fixture, Add	851.43	
		For Two 24" Fluorescent Light Fixture, Add	1,523.60	
		For Heated Enclosure, Add	2,065.25	
22 11 19 00-0501	EA	105" Length x 36" Width x 64" Height, Sectional, Insulated Aluminum Valve Enclosure	14,811.60	291.77
		For One 24" Fluorescent Light Fixture, Add	851.43	
		For Two 24" Fluorescent Light Fixture, Add	1,523.60	
		For Heated Enclosure, Add	2,112.32	
22 11 19 00-0502	EA	125" Length x 36" Width x 64" Height, Sectional, Insulated Aluminum Valve Enclosure	16,415.54	308.94
		For One 24" Fluorescent Light Fixture, Add	851.43	
		For Two 24" Fluorescent Light Fixture, Add	1,523.60	
		For Heated Enclosure, Add	2,346.48	
22 11 19 00-0503	EA	105" Length x 36" Width x 80" Height, Sectional, Insulated Aluminum Valve Enclosure	17,040.51	308.94
		For One 24" Fluorescent Light Fixture, Add	851.43	
		For Two 24" Fluorescent Light Fixture, Add	1,523.60	
		For Heated Enclosure, Add	2,440.23	
22 11 19 00-0504	EA	72" Length x 45" Width x 52" Height, Sectional, Insulated Aluminum Valve Enclosure	12,391.63	274.61
		For One 24" Fluorescent Light Fixture, Add	851.43	
		For Two 24" Fluorescent Light Fixture, Add	1,523.60	
		For Heated Enclosure, Add	1,755.77	
22 11 19 00-0505	EA	72" Length x 45" Width x 60" Height, Sectional, Insulated Aluminum Valve Enclosure	13,202.17	274.61
		For One 24" Fluorescent Light Fixture, Add	851.43	
		For Two 24" Fluorescent Light Fixture, Add	1,523.60	
		For Heated Enclosure, Add	1,877.35	
22 11 19 00-0506	EA	72" Length x 65" Width x 52" Height, Sectional, Insulated Aluminum Valve Enclosure	14,931.68	291.77
		For One 24" Fluorescent Light Fixture, Add	851.43	
		For Two 24" Fluorescent Light Fixture, Add	1,523.60	
		For Heated Enclosure, Add	2,130.34	
22 11 19 00-0507	EA	72" Length x 65" Width x 60" Height, Sectional, Insulated Aluminum Valve Enclosure	18,080.29	308.94
		For One 24" Fluorescent Light Fixture, Add	851.43	
		For Two 24" Fluorescent Light Fixture, Add	1,523.60	
		For Heated Enclosure, Add	2,596.19	
22 11 19 00-0508	EA	118" Length x 40" Width x 58" Height, Sectional, Insulated Aluminum Valve Enclosure	15,790.58	308.94
		For One 24" Fluorescent Light Fixture, Add	851.43	
		For Two 24" Fluorescent Light Fixture, Add	1,523.60	
		For Heated Enclosure, Add	2,252.74	
22 11 19 00-0509	EA	142" Length x 40" Width x 58" Height, Sectional, Insulated Aluminum Valve Enclosure	18,958.31	326.09
		For One 24" Fluorescent Light Fixture, Add	851.43	
		For Two 24" Fluorescent Light Fixture, Add	1,523.60	
		For Heated Enclosure, Add	2,721.46	
22 11 19 00-0510	EA	118" Length x 40" Width x 74" Height, Sectional, Insulated Aluminum Valve Enclosure	18,333.34	326.09
		For One 24" Fluorescent Light Fixture, Add	851.43	
		For Two 24" Fluorescent Light Fixture, Add	1,523.60	
		For Heated Enclosure, Add	2,627.71	
22 11 19 00-0511	EA	142" Length x 40" Width x 74" Height, Sectional, Insulated Aluminum Valve Enclosure	21,222.69	343.26
		For One 24" Fluorescent Light Fixture, Add	851.43	
		For Two 24" Fluorescent Light Fixture, Add	1,523.60	
		For Heated Enclosure, Add	3,054.68	
22 11 19 00-0512	EA	142" Length x 42" Width x 65" Height, Sectional, Insulated Aluminum Valve Enclosure	19,626.17	343.26
		For One 24" Fluorescent Light Fixture, Add	851.43	
		For Two 24" Fluorescent Light Fixture, Add	1,523.60	
		For Heated Enclosure, Add	2,815.20	
22 11 19 00-0513	EA	172" Length x 42" Width x 65" Height, Sectional, Insulated Aluminum Valve Enclosure	22,886.70	360.43
		For One 24" Fluorescent Light Fixture, Add	851.43	
		For Two 24" Fluorescent Light Fixture, Add	1,523.60	
		For Heated Enclosure, Add	3,297.84	
22 11 19 00-0514	EA	142" Length x 42" Width x 85" Height, Sectional, Insulated Aluminum Valve Enclosure	22,929.60	377.59
		For One 24" Fluorescent Light Fixture, Add	851.43	
		For Two 24" Fluorescent Light Fixture, Add	1,523.60	
		For Heated Enclosure, Add	3,297.84	
22 11 19 00-0515	EA	172" Length x 42" Width x 85" Height, Sectional, Insulated Aluminum Valve Enclosure	27,161.68	394.75
		For One 24" Fluorescent Light Fixture, Add	851.43	
		For Two 24" Fluorescent Light Fixture, Add	1,523.60	
		For Heated Enclosure, Add	3,926.22	

22 11 19 00-0516 Lift-Off Lightweight Backflow Valve Enclosures With Recessed Locksheild Brackets

(22 11 19 00-0464)

Note: 1-1/2", 0.095" wall tubular steel framework with 1" x 1" x 1/8" angle iron, 1/2" #13 gauge diamond pattern rolled expanded metal, all welded construction. Excludes concrete pad.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0517	EA	22" Length x 10" Width x 24" Height, Backflow Preventer Caged Enclosures Note: BP-1	922.44	111.83
22 11 19 00-0518	EA	30" Length x 10" Width x 24" Height, Backflow Preventer Caged Enclosures Note: BP-2	1,036.33	137.31
22 11 19 00-0519	EA	40" Length x 10" Width x 24" Height, Backflow Preventer Caged Enclosures Note: BP-3	1,116.69	137.31
22 11 19 00-0520	EA	46" Length x 10" Width x 30" Height, Backflow Preventer Caged Enclosures Note: BP-4	1,345.70	137.31
22 11 19 00-0521		Faucets (Hose Bibbs) (22 11 19)		
22 11 19 00-0522		Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends (22 11 19 00-0521)		
22 11 19 00-0523	EA	1/2", 125 Lb., Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends.....	66.99	12.43
22 11 19 00-0524	EA	3/4", 125 Lb., Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends.....	77.43	13.67
22 11 19 00-0525	EA	3/4" Screwed Ends Vacuum Breaker (Mueller 108-904NL).....	20.14	9.32
22 11 19 00-0526		Chrome Plated Brass Hose Valves, Screwed Ends (22 11 19 00-0521)		
22 11 19 00-0527	EA	3/4" Hose Valve With Screwed Ends (Chicago Faucets #387-CP).....	223.93	38.02
22 11 19 00-0528		Antisiphon Freezeless Wall Faucet (Woodford 19CP) (22 11 19 00-0521)		
22 11 19 00-0529	EA	4" Long, 1/2" Antisiphon Freezeless Wall Faucet	141.04	31.07
22 11 19 00-0530	EA	6" Long, 1/2" Antisiphon Freezeless Wall Faucet	153.17	34.42
22 11 19 00-0531	EA	8" Long, 1/2" Antisiphon Freezeless Wall Faucet	162.19	36.41
22 11 19 00-0532	EA	10" Long, 1/2" Antisiphon Freezeless Wall Faucet	171.20	39.02
22 11 19 00-0533	EA	12" Long, 1/2" Antisiphon Freezeless Wall Faucet	180.34	41.38
22 11 19 00-0534		Keyed, Recessed Valve Boxes (22 11 19)		
22 11 19 00-0535	EA	8" x 8" x 4" Painted Steel, Keyed, Recessed Valve Box.....	320.85	37.09
22 11 19 00-0536	EA	8" x 8" x 6" Painted Steel, Keyed, Recessed Valve Box.....	356.09	37.09
22 11 19 00-0537	EA	8" x 8" x 8" Painted Steel, Keyed, Recessed Valve Box.....	408.95	37.09
22 11 19 00-0538	EA	12" x 12" x 4" Painted Steel, Keyed, Recessed Valve Box	398.43	49.46
22 11 19 00-0539	EA	12" x 12" x 6" Painted Steel, Keyed, Recessed Valve Box	451.29	49.46
22 11 19 00-0540	EA	12" x 12" x 8" Painted Steel, Keyed, Recessed Valve Box.....	467.15	49.46
22 11 19 00-0541	EA	8" x 8" x 4" Stainless Steel, Keyed, Recessed Valve Box.....	377.24	37.09
22 11 19 00-0542	EA	8" x 8" x 6" Stainless Steel, Keyed, Recessed Valve Box.....	454.76	37.09
22 11 19 00-0543	EA	8" x 8" x 8" Stainless Steel, Keyed, Recessed Valve Box.....	523.48	37.09
22 11 19 00-0544	EA	12" x 12" x 4" Stainless Steel, Keyed, Recessed Valve Box.....	497.10	49.46
22 11 19 00-0545	EA	12" x 12" x 6" Stainless Steel, Keyed, Recessed Valve Box.....	565.82	49.46
22 11 19 00-0546	EA	12" x 12" x 8" Stainless Steel, Keyed, Recessed Valve Box.....	592.25	49.46
22 11 23		Domestic Water Pumps (22 11)		
22 11 23 13		Domestic Water Packaged Booster Pumps (22 11 23)		
Note: Includes motor starter and controls.				
22 11 23 13-0001		Simplex Domestic Water Packaged Booster Pumps And Tank (22 11 23 13)		
22 11 23 13-0002	EA	1 HP Simplex Domestic Water Packaged Booster Pump And Tank.....	16,803.04	366.15
22 11 23 13-0003	EA	1.5 HP Simplex Domestic Water Packaged Booster Pump And Tank.....	17,360.26	492.01
22 11 23 13-0004	EA	2 HP Simplex Domestic Water Packaged Booster Pump And Tank.....	18,038.76	617.87
22 11 23 13-0005	EA	3 HP Simplex Domestic Water Packaged Booster Pump And Tank.....	18,656.61	743.73
22 11 23 13-0006	EA	5 HP Simplex Domestic Water Packaged Booster Pump And Tank.....	20,608.55	869.60
22 11 23 13-0007	EA	7.5 HP Simplex Domestic Water Packaged Booster Pump And Tank.....	22,863.69	995.46
22 11 23 13-0008	EA	10 HP Simplex Domestic Water Packaged Booster Pump And Tank.....	24,391.14	1,121.32
22 11 23 13-0009		Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator (22 11 23 13)		
22 11 23 13-0010	EA	100 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator Tank	44,770.04	1,486.09
22 11 23 13-0011	EA	200 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator Tank	54,125.52	1,578.98
22 11 23 13-0012	EA	300 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator Tank	63,519.67	1,671.86
22 11 23 13-0013		Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator (22 11 23 13)		
22 11 23 13-0014	EA	200 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	59,295.08	1,578.98
22 11 23 13-0015	EA	300 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	74,106.66	1,671.86
22 11 23 13-0016	EA	500 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	92,320.39	1,857.61
22 11 23 13-0017	EA	750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	117,255.31	2,043.38
22 11 23 13-0018	EA	1,000 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	142,190.22	2,229.14
22 11 23 13-0019	EA	1,750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	165,733.71	2,507.79
22 11 23 13-0020	EA	2,500 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	189,277.19	2,786.42
22 11 23 13-0021	EA	3,750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	212,820.68	3,065.07
22 11 23 13-0022	EA	5,000 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	236,596.37	3,436.59
22 11 23 13-0023		Variable Speed Duplex Domestic Water Pressure Booster Skid (22 11 23 13)		
Note: AB1953 compliant, UL listed and labeled. Includes stainless steel headers with check, isolation, thermal relief valves, and start up support. The standard control package is integrated in a NEMA 1 enclosure and is outfitted with an individual VFD's which are controlled through a HOA and internally programmed PID logic for system control.				
22 11 23 13-0024	EA	40 GPM At 40 To 70 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-1).....	43,098.23	1,634.93

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 11 23 13-0025	EA	40 GPM At 80 To 120 PSI, 80 GPM At 50 To 90 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-2).....	45,100.85	1,634.93
22 11 23 13-0026	EA	80 GPM At 80 PSI, 120 GPM At 40 To 90 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-3).....	47,962.36	1,634.93
22 11 23 13-0027	EA	80 GPM At 130 To 150 PSI, 120 GPM At 100 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-4).....	52,087.20	1,634.93
22 11 23 13-0028	EA	160 GPM At 40 To 50 PSI, 200 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-5).....	49,094.11	1,737.12
22 11 23 13-0029	EA	160 GPM At 60 To 80 PSI, 200 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-6).....	52,694.91	1,737.12
22 11 23 13-0030	EA	160 GPM At 90 To 110 PSI, 200 GPM At 80 To 100 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-7).....	57,585.14	1,737.12
22 11 23 13-0031	EA	160 To 200 GPM At 120 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-8).....	61,559.94	1,737.12
22 11 23 13-0032	EA	240 To 280 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-9).....	53,665.76	1,839.30
22 11 23 13-0033	EA	280 To 320 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-10).....	57,220.90	1,839.30
22 11 23 13-0034	EA	240 To 320 GPM At 90 To 120 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-11).....	65,170.51	1,839.30
22 11 23 13-0035	EA	240 To 320 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-12).....	78,512.63	1,839.30
22 11 23 13-0036	EA	360 To 400 GPM At 40 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-13).....	56,720.79	1,839.30
22 11 23 13-0037	EA	360 To 400 GPM At 50 To 80 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-14).....	63,972.42	1,839.30
22 11 23 13-0038	EA	360 To 400 GPM At 90 To 110 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-15).....	79,934.69	1,839.30
22 11 23 13-0039	EA	360 To 400 GPM At 120 To 140 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-16).....	79,473.71	1,839.30
22 11 23 13-0040	EA	440 To 480 GPM At 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-17).....	94,844.47	2,043.66
22 11 23 13-0041	EA	440 To 480 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-18).....	64,946.47	2,043.66
22 11 23 13-0042	EA	440 To 480 GPM At 60 To 90 PSI, 520 To 600 GPM At 40 To 80 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-19).....	79,482.34	2,043.66
22 11 23 13-0043	EA	440 To 480 GPM At 100 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-20).....	79,023.54	2,043.66
22 11 23 13-0044	EA	440 To 600 GPM At 100 To 120 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-21).....	95,557.68	2,043.66
22 11 23 13-0045	EA	440 To 600 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-22).....	115,781.77	2,043.66
22 11 23 13-0046	EA	60 GPM At 40 To 70 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-1).....	54,648.64	1,634.93

22 11 23 13-0047**Variable Speed Triplex Domestic Water Pressure Booster Skid** (22 11 23 13)

Note: AB1953 compliant, UL listed and labeled. Includes stainless steel headers with check, isolation, thermal relief valves, and start up support. The standard control package is integrated in a NEMA 1 enclosure and is outfitted with an individual VFD's which are controlled through a HOA and internally programmed PID logic for system control.

22 11 23 13-0048	EA	60 GPM At 80 To 130 PSI, 120 GPM At 50 To 90 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-2).....	54,648.64	1,634.93
22 11 23 13-0049	EA	120 GPM At 100 To 120 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-3).....	61,210.98	1,634.93
22 11 23 13-0050	EA	60 GPM At 140 To 150 PSI, 120 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-4).....	66,873.12	1,634.93
22 11 23 13-0051	EA	180 GPM At 40 To 90 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-5).....	61,466.44	1,737.12
22 11 23 13-0052	EA	180 GPM At 100 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-6).....	67,089.44	1,737.12
22 11 23 13-0053	EA	240 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-7).....	62,779.78	1,737.12
22 11 23 13-0054	EA	240 GPM At 60 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-8).....	67,613.47	1,737.12
22 11 23 13-0055	EA	240 GPM At 90 To 110 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-9).....	74,260.61	1,737.12
22 11 23 13-0056	EA	240 GPM At 120 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-10).....	79,770.54	1,737.12
22 11 23 13-0057	EA	300 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-11).....	63,352.71	1,839.30
22 11 23 13-0058	EA	300 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-12).....	68,186.40	1,839.30
22 11 23 13-0059	EA	300 GPM At 80 To 100 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-13).....	74,831.37	1,839.30
22 11 23 13-0060	EA	300 GPM At 110 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-14).....	80,341.30	1,839.30
22 11 23 13-0061	EA	360 GPM At 40 To 60 PSI, 420 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-15).....	68,788.71	1,839.30
22 11 23 13-0062	EA	360 GPM At 70 To 80 PSI, 420 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-16).....	73,431.06	1,839.30
22 11 23 13-0063	EA	360 GPM At 90 To 130 PSI, 420 GPM At 80 To 120 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-17).....	84,901.02	1,839.30
22 11 23 13-0064	EA	360 GPM At 140 To 150 PSI, 420 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-18).....	103,618.25	1,839.30
22 11 23 13-0065	EA	480 GPM At 40 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-19).....	70,247.66	2,043.66
22 11 23 13-0066	EA	480 GPM At 50 To 70 PSI, 520 To 600 GPM At 40 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-20).....	74,892.18	2,043.66

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 11 23 13-0067	EA	480 GPM At 80 To 110 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-21).....	86,362.14	2,043.66
22 11 23 13-0068	EA	480 GPM At 120 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-22).....	105,077.20	2,043.66
22 11 23 13-0069	EA	540 GPM At 40 PSI, 600 GPM At 40 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-23).....	74,139.84	2,043.66
22 11 23 13-0070	EA	540 GPM At 50 To 90 PSI, 600 GPM At 50 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-24).....	84,563.91	2,043.66
22 11 23 13-0071	EA	540 GPM At 100 To 110 PSI, 600 GPM At 90 To 110 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-25).....	107,208.11	2,043.66
22 11 23 13-0072	EA	540 GPM At 120 To 130 PSI, 600 GPM At 120 To 130 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-26).....	109,402.08	2,043.66
22 11 23 13-0073	EA	540 GPM At 140 To 150 PSI, 600 GPM At 140 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-27).....	135,688.40	2,043.66
22 11 23 13-0074	EA	660 GPM At 40 To 50 PSI, 720 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-28).....	83,978.86	2,452.39
22 11 23 13-0075	EA	660 GPM At 60 To 90 PSI, 720,780,840,900 GPM At 60 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-29).....	101,158.79	2,452.39
22 11 23 13-0076	EA	660, 720, 780 GPM At 100 PSI, 840 To 900 GPM At 90 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-30).....	107,673.30	2,452.39
22 11 23 13-0077	EA	660, 720, 780, 840, 900 GPM At 110 To 120 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-31).....	130,019.60	2,452.39
22 11 23 13-0078	EA	660, 720, 780, 840, 900 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-32).....	161,289.65	2,452.39

22 11 23 23 Domestic-Water In-Line Pumps (22 11 23)

22 11 23 23-0001 Bronze In-Line Centrifugal Domestic Water Booster Pumps (22 11 23 23)

Note: ODP motor.

22 11 23 23-0002	EA	1/12 HP, 3/4" To 1-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL30B).....	1,144.55	205.95
22 11 23 23-0003	EA	1/6 HP, 3/4" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL36B).....	1,175.31	205.95
22 11 23 23-0004	EA	1/6 HP, 1" To 1-1/4" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL45B).....	1,230.33	209.96
22 11 23 23-0005	EA	1/6 HP, 1-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL50B).....	1,356.55	218.54
22 11 23 23-0006	EA	1/6 HP, 2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL75B).....	2,440.33	226.67
22 11 23 23-0007	EA	1/6 HP, 2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G 2AB).....	2,603.97	226.67
22 11 23 23-0008	EA	1/4 HP, 2-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G 2-1/2AB).....	3,896.62	249.57
22 11 23 23-0009	EA	1/4 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G LD3 AB).....	4,062.64	274.18
22 11 23 23-0010	EA	1/3 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G HD3 AB).....	4,920.27	301.65
22 11 23 23-0011	EA	1/2 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB35S).....	5,027.61	331.99
22 11 23 23-0012	EA	3/4 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB37S).....	5,498.11	364.61
22 11 23 23-0013	EA	1 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB38S).....	7,885.64	401.25
22 11 23 23-0014	EA	1-1/2 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB40S).....	9,086.12	420.71

22 11 23 23-0015 Cast Iron In-Line Centrifugal Domestic Water Booster Pumps (22 11 23 23)

Note: ODP motor.

22 11 23 23-0016	EA	1/12 HP, 3/4" To 1-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL30).....	1,192.53	205.95
22 11 23 23-0017	EA	1/6 HP, 3/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL36).....	2,002.41	205.95
22 11 23 23-0018	EA	1/6 HP, 1" To 1-1/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL45).....	2,010.68	209.96
22 11 23 23-0019	EA	1/6 HP, 1-1/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL45).....	2,045.43	214.54
22 11 23 23-0020	EA	1/6 HP, 1-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL50).....	2,053.42	218.54
22 11 23 23-0021	EA	1/6 HP, 2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL75).....	2,091.90	226.67
22 11 23 23-0022	EA	1/4 HP, 2-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 2-1/2).....	2,558.55	249.57
22 11 23 23-0023	EA	1/3 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G HD30).....	3,302.19	301.65
22 11 23 23-0024	EA	1/2 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD35S).....	3,478.21	331.99
22 11 23 23-0025	EA	3/4 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD37S).....	4,061.16	364.61
22 11 23 23-0026	EA	1 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD38S).....	5,486.02	401.25
22 11 23 23-0027	EA	1-1/2 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD40S).....	6,416.67	420.71
22 11 23 23-0028	EA	2 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF).....	5,756.91	441.89
22 11 23 23-0029	EA	3 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF).....	6,187.94	485.74
22 11 23 23-0030	EA	5 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF).....	6,798.25	515.15
22 11 23 23-0031	EA	7-1/2 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF).....	8,618.81	572.39
22 11 23 23-0032	EA	10 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF).....	9,137.43	686.98
22 11 23 23-0033	EA	15 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF).....	11,660.00	801.69

22 12 Facility Potable-Water Storage Tanks (22 10)

22 12 19 Facility Ground-Mounted, Potable-Water Storage Tanks (22 12)

22 12 19 00-0001 Steel, Horizontal, Ground-Mounted Water Tanks (22 12 19)

22 12 19 00-0002	EA	5,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank.....	43,334.41	9,750.92
22 12 19 00-0003	EA	10,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank.....	49,404.98	9,750.92
22 12 19 00-0004	EA	20,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank.....	89,452.06	15,047.73
22 12 19 00-0005	EA	35,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank.....	115,447.82	19,501.82

22 12 19 00-0006 Galvanized Steel, Flat Bottom, Vertical Storage Tanks (22 12 19)

22 12 19 00-0007	EA	5,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank.....	52,327.84	9,750.92
22 12 19 00-0008	EA	10,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank.....	73,462.41	9,750.92
22 12 19 00-0009	EA	20,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank.....	109,388.96	15,047.73
22 12 19 00-0010	EA	35,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank.....	157,925.56	19,501.82

22 12 23 Facility Indoor Potable-Water Storage Tanks (22 12)

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**22 12 23 13 Facility Steel, Indoor Potable-Water Storage Pressure Tanks (22 12 23)**

22 12 23 13-0001	Insulated Glass Lined Storage Tank (A.O. Smith TJ, TJV And TJH) (22 12 23 13)		
22 12 23 13-0002	EA	80 Gallon ASME Rated Tank, 150PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJ-80A)	2,741.15 457.68
22 12 23 13-0003	EA	119 Gallon 150 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-120M)	3,395.57 572.10
22 12 23 13-0004	EA	140 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-140A)	6,295.07 629.31
22 12 23 13-0005	EA	200 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-200A)	6,962.26 686.52
22 12 23 13-0006	EA	250 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-250A)	13,870.38 743.73
22 12 23 13-0007	EA	350 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-350A)	11,941.20 800.94
22 12 23 13-0008	EA	400 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-400A)	20,531.94 858.15
22 12 23 13-0009	EA	500 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-500A)	18,912.73 915.36
22 12 23 13-0010	EA	750 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-750A)	20,547.27 972.57
22 12 23 13-0011	EA	1,000 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-1000A)	24,490.25 1,029.78

22 12 23 13-0012 Uninsulated Glass Lined Storage Tank (A.O. Smith T) (22 12 23 13)

22 12 23 13-0013	EA	80 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-80S)	2,341.47 457.68
22 12 23 13-0014	EA	120 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-120S)	4,521.30 572.10
22 12 23 13-0015	EA	140 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-140A)	5,659.41 629.31
22 12 23 13-0016	EA	200 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-200S)	7,001.60 686.52
22 12 23 13-0017	EA	200 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-200A)	5,939.59 686.52
22 12 23 13-0018	EA	250 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-250A)	9,206.65 743.73
22 12 23 13-0019	EA	325 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-325A)	9,964.35 800.94
22 12 23 13-0020	EA	350 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-350S)	9,481.89 800.94
22 12 23 13-0021	EA	350 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-350A)	8,647.33 800.94
22 12 23 13-0022	EA	400 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-400A)	11,847.76 858.15
22 12 23 13-0023	EA	500 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-500A)	12,853.62 915.36
22 12 23 13-0024	EA	750 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-750A)	14,928.90 972.57
22 12 23 13-0025	EA	1,000 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-1000A)	28,063.76 1,029.78

22 12 23 26 Facility Plastic, Indoor Potable-Water Storage Non-Pressure Tanks (22 12 23)**22 12 23 26-0001 Horizontal Non-Pressurized Polyethylene Tanks (22 12 23 26)**

Note: Excludes excavation and backfill.

22 12 23 26-0002	EA	100 Gallon Horizontal Non-Pressurized Polyethylene Tank	759.50 257.45
		For Saddle Assembly, Add	848.85
22 12 23 26-0003	EA	150 Gallon Horizontal Non-Pressurized Polyethylene Tank	889.74 300.36
		For Saddle Assembly, Add	848.85
22 12 23 26-0004	EA	200 Gallon Horizontal Non-Pressurized Polyethylene Tank	1,056.49 343.26
		For Saddle Assembly, Add	973.00
22 12 23 26-0005	EA	300 Gallon Horizontal Non-Pressurized Polyethylene Tank	1,288.97 386.17
		For Saddle Assembly, Add	1,457.43
22 12 23 26-0006	EA	335 Gallon Horizontal Non-Pressurized Polyethylene Tank	1,548.23 429.08
		For Two Tie Down Bands, Add	486.35
22 12 23 26-0007	EA	535 Gallon Horizontal Non-Pressurized Polyethylene Tank	1,988.87 577.16
		For Two Tie Down Bands, Add	520.43
22 12 23 26-0008	EA	1,035 Gallon Horizontal Non-Pressurized Polyethylene Tank	2,986.85 673.35
		For Three Tie Down Bands, Add	890.18
22 12 23 26-0009	EA	1,335 Gallon Horizontal Non-Pressurized Polyethylene Tank	4,324.51 769.53
		For Three Tie Down Bands, Add	897.49
22 12 23 26-0010	EA	1,635 Gallon Horizontal Non-Pressurized Polyethylene Tank	5,404.57 865.73
		For Four Tie Down Bands, Add	1,216.12
22 12 23 26-0011	EA	2,035 Gallon Horizontal Non-Pressurized Polyethylene Tank	6,334.83 961.92
		For Four Tie Down Bands, Add	1,712.72
22 12 23 26-0012	EA	2,635 Gallon Horizontal Non-Pressurized Polyethylene Tank	9,078.84 1,058.12
		For Four Tie Down Bands, Add	2,258.00
22 12 23 26-0013	EA	3,135 Gallon Horizontal Non-Pressurized Polyethylene Tank	10,521.62 1,154.31
		For Four Tie Down Bands, Add	2,443.01
22 12 23 26-0014	EA	4,035 Gallon Horizontal Non-Pressurized Polyethylene Tank	15,122.06 1,539.08
		For Four Tie Down Bands, Add	2,764.34
22 12 23 26-0015	EA	5,025 Gallon Horizontal Non-Pressurized Polyethylene Tank	19,596.08 1,539.08
		For Five Tie Down Bands, Add	4,343.94

22 12 23 26-0016 Vertical Non-Pressurized Polyethylene Tanks (22 12 23 26)

22 12 23 26-0017	EA	100 Gallon Vertical Non-Pressurized Polyethylene Tank	825.24 343.26
22 12 23 26-0018	EA	160 Gallon Vertical Non-Pressurized Polyethylene Tank	997.47 364.72
22 12 23 26-0019	EA	210 Gallon Vertical Non-Pressurized Polyethylene Tank	1,096.66 386.17
22 12 23 26-0020	EA	300 Gallon Vertical Non-Pressurized Polyethylene Tank	1,331.58 429.08
22 12 23 26-0021	EA	405 Gallon Vertical Non-Pressurized Polyethylene Tank	1,516.59 514.89
22 12 23 26-0022	EA	500 Gallon Vertical Non-Pressurized Polyethylene Tank	1,791.68 600.71
22 12 23 26-0023	EA	800 Gallon Vertical Non-Pressurized Polyethylene Tank	2,496.35 769.53
22 12 23 26-0024	EA	1,000 Gallon Vertical Non-Pressurized Polyethylene Tank	3,234.85 961.92
22 12 23 26-0025	EA	2,000 Gallon Vertical Non-Pressurized Polyethylene Tank	4,357.98 1,154.31
22 12 23 26-0026	EA	3,000 Gallon Vertical Non-Pressurized Polyethylene Tank	5,709.92 1,346.69
22 12 23 26-0027	EA	4,000 Gallon Vertical Non-Pressurized Polyethylene Tank	8,432.38 1,539.08
22 12 23 26-0028	EA	5,000 Gallon Vertical Non-Pressurized Polyethylene Tank	11,442.08 1,731.46
22 12 23 26-0029	EA	6,250 Gallon Vertical Non-Pressurized Polyethylene Tank	12,974.17 1,923.85

22 12 23 26-0030	EA	7,000 Gallon Vertical Non-Pressurized Polyethylene Tank	14,296.92	2,116.24
22 12 23 26-0031	EA	8,000 Gallon Vertical Non-Pressurized Polyethylene Tank	16,481.39	2,308.61
22 12 23 26-0032	EA	9,150 Gallon Vertical Non-Pressurized Polyethylene Tank	18,624.48	2,501.00
22 12 23 26-0033	EA	10,500 Gallon Vertical Non-Pressurized Polyethylene Tank	23,080.16	2,693.39
22 12 23 26-0034	EA	12,500 Gallon Vertical Non-Pressurized Polyethylene Tank	27,780.19	3,078.16

22 13 Facility Sanitary Sewerage ^(22 10)

22 13 13 Facility Sanitary Sewers ^(22 13)

22 13 13 00-0001 Fixture Rough-In ^(22 13 13)

Note: Excludes fixture. Not for use when individual component details are available, on remodeling work where partial pipe and fittings are installed or on residential projects. For use on commercial restrooms with multiple toilets, urinals and lavatories. Includes waste and vent pipe and fittings and domestic water supply pipe and fittings. Waste piping is included from fixture outlet tee to floor, vent piping is included from outlet tee within the wall to the ceiling and domestic water supply from ceiling to fixture and stub out with caps. Based on vertical floor to floor of 12'. Use detailed tasks (i.e. individual pipe and fittings, insulation, hangers, etc.) instead of rough-in assembly where possible.

22 13 13 00-0002 Single Fixture Rough-In, Cast Iron Waste And Vent Pipe ^(22 13 13 00-0001)

Note: Single fixtures have one fixture to one pipe riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.

22 13 13 00-0003	EA	Floor Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe	1,116.99	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.				
22 13 13 00-0004	EA	Wall Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe	1,486.27	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.				
22 13 13 00-0005	EA	Tank Type Floor Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe	1,015.81	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.				
22 13 13 00-0006	EA	Wall Mounted Urinal, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe	659.17	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.				
22 13 13 00-0007	EA	Wall Mounted Lavatory, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe	777.00	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.				
22 13 13 00-0008	EA	Countertop Kitchen Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe	989.58	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.				
22 13 13 00-0009	EA	Bathtub, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe	1,054.24	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.				
22 13 13 00-0010	EA	Free Standing Water Cooler, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe	636.88	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.				
22 13 13 00-0011	EA	Floor Mounted Service Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe	1,015.81	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.				
22 13 13 00-0012	EA	Wall Mounted Service Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe	1,044.47	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.				
22 13 13 00-0013	EA	Shower, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe	987.24	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.				
22 13 13 00-0014	EA	Bidet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe	1,116.99	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.				
22 13 13 00-0015	EA	Floor Mounted Circular Wash Fountain, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe	1,750.74	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.				
22 13 13 00-0016	EA	Bathtub/Shower, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe	1,082.88	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.				

22 13 13 00-0017 Double Fixture Rough-In, Cast Iron Waste And Vent Pipe ^(22 13 13 00-0001)

Note: Double fixtures have two "back-to-back" waste connections to one riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.

22 13 13 00-0018	EA	Floor Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe	1,454.64	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.				
22 13 13 00-0019	EA	Wall Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe	1,991.91	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.				
22 13 13 00-0020	EA	Tank Type Floor Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe	1,255.98	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.				
22 13 13 00-0021	EA	Wall Mounted Urinal, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe	789.31	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.				
22 13 13 00-0022	EA	Wall Mounted Lavatory, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe	1,058.10	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.				
22 13 13 00-0023	EA	Countertop Kitchen Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe	1,121.27	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.				
22 13 13 00-0024	EA	Free Standing Water Cooler, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe	745.88	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.				
22 13 13 00-0025	EA	Floor Mounted Service Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe	1,267.40	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.				
22 13 13 00-0026	EA	Wall Mounted Service Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe	1,101.17	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.				
22 13 13 00-0027	EA	Shower, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe	1,072.60	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower heads and faucets.				
22 13 13 00-0028	EA	Bidet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe	1,454.64	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucets.				

22 13 13 00-0029 Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe ^(22 13 13 00-0001)

Note: Gang fixtures include multiple fixtures to one pipe riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR				TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST	
22 13 13 00-0030	EA	Floor Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	726.79			
22 13 13 00-0031	EA	Wall Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture, carrier and flush valve.	995.95			
22 13 13 00-0032	EA	Tank Type Floor Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture.	628.54			
22 13 13 00-0033	EA	Wall Mounted Urinal, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture, carrier and flush valve.	395.23			
22 13 13 00-0034	EA	Wall Mounted Lavatory, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	529.06			
22 13 13 00-0035	EA	Countertop Kitchen Sink, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	560.62			
22 13 13 00-0036	EA	Free Standing Water Cooler, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	401.55			
22 13 13 00-0037	EA	Rough-In Service Sink, Floor Mounted, Gang Mounted Fixture Including Cast Iron Waste Pipe And Vent And Copper Domestic Supply, Not Including Fixture Or Faucet Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	633.13			
22 13 13 00-0038	EA	Wall Mounted Service Sink, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	550.58			
22 13 13 00-0039	EA	Shower, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower heads and faucets.	536.84			
22 13 13 00-0040	EA	Bidet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	718.76			
22 13 13 00-0041		Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe (22 13 13 00-0001) Note: Single fixtures have one fixture to one pipe riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.				
22 13 13 00-0042	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Floor Mounted, Water Closet Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	692.23			
22 13 13 00-0043	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Wall Mounted, Water Closet Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	798.85			
22 13 13 00-0044	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Tank Type, Floor Mounted, Water Closet Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	651.05			
22 13 13 00-0045	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Wall Mounted, Urinal Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	398.94			
22 13 13 00-0046	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Wall Mounted, Lavatory Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	468.20			
22 13 13 00-0047	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Countertop, Kitchen Sink Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	626.98			
22 13 13 00-0048	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Bathtub Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	642.48			
22 13 13 00-0049	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Free Standing, Water Cooler Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	392.61			
22 13 13 00-0050	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Floor Mounted, Service Sink Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	651.05			
22 13 13 00-0051	EA	Wall Mounted Service Sink, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	686.89			
22 13 13 00-0052	EA	Shower, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	636.71			
22 13 13 00-0053	EA	Bidet, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	692.09			
22 13 13 00-0054	EA	Floor Mounted Circular Wash Fountain, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	1,072.47			
22 13 13 00-0055	EA	Bathtub/Shower, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	667.50			
22 13 13 00-0056		Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe (22 13 13 00-0001) Note: Double fixtures have two "back-to-back" waste connections to one riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.				
22 13 13 00-0057	EA	Floor Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	855.88			
22 13 13 00-0058	EA	Wall Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	1,048.45			
22 13 13 00-0059	EA	Tank Type Floor Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures.	742.93			
22 13 13 00-0060	EA	Wall Mounted Urinal, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	451.72			

		Plumbing	22	22
		Plumbing Piping	22 10	
		Facility Sanitary Sewerage	22 13	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST
				DEMOLITION UNIT COST

22 13 13 00-0061	EA	Wall Mounted Lavatory, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	649.30	
		Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures, carrier and faucets.		
22 13 13 00-0062	EA	Countertop Kitchen Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	680.40	
		Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures and faucets.		
22 13 13 00-0063	EA	Free Standing Water Cooler, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	436.82	
		Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures.		
22 13 13 00-0064	EA	Floor Mounted Service Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	753.10	
		Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0065	EA	Wall Mounted Service Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	709.89	
		Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.		
22 13 13 00-0066	EA	Shower, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	684.35	
		Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.		
22 13 13 00-0067	EA	Bidet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	855.88	
		Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0068		Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe (22 13 13 00-0001)		
		Note: Gang fixtures include multiple fixtures to one pipe riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0069	EA	Floor Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	427.47	
		Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.		
22 13 13 00-0070	EA	Wall Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	523.67	
		Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.		
22 13 13 00-0071	EA	Tank Type Floor Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	371.80	
		Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.		
22 13 13 00-0072	EA	Wall Mounted Urinal, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	225.92	
		Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.		
22 13 13 00-0073	EA	Wall Mounted Lavatory, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	324.62	
		Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.		
22 13 13 00-0074	EA	Countertop Kitchen Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	339.92	
		Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0075	EA	Free Standing Water Cooler, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	218.39	
		Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.		
22 13 13 00-0076	EA	Floor Mounted Service Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	376.45	
		Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0077	EA	Wall Mounted Service Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	354.98	
		Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.		
22 13 13 00-0078	EA	Shower, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	342.67	
		Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.		
22 13 13 00-0079	EA	Bidet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	419.89	
		Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 16		Sanitary Waste and Vent Piping (22 13)		
22 13 16 00-0001		Cast Iron Soil Pipe Assemblies (22 13 16)		
22 13 16 00-0002		Underground Bell And Spigot Cast Iron Soil Pipe Assemblies (22 13 16 00-0001)		
		Note: Includes fittings and gaskets. Fittings are assumed every 10'. Excludes excavation, backfill and compaction. Not for use where detail is available.		
22 13 16 00-0003	LF	2" Underground Bell And Spigot Cast Iron Soil Pipe Assembly.....	36.49	7.21
		Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	5.29	
22 13 16 00-0004	LF	3" Underground Bell And Spigot Cast Iron Soil Pipe Assembly.....	52.15	10.87
		Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	7.17	
22 13 16 00-0005	LF	4" Underground Bell And Spigot Cast Iron Soil Pipe Assembly.....	67.67	13.84
		Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	9.23	
22 13 16 00-0006	LF	5" Underground Bell And Spigot Cast Iron Soil Pipe Assembly.....	79.04	16.77
		Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	9.44	
22 13 16 00-0007	LF	6" Underground Bell And Spigot Cast Iron Soil Pipe Assembly.....	92.88	18.27
		Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	10.48	
22 13 16 00-0008	LF	8" Underground Bell And Spigot Cast Iron Soil Pipe Assembly.....	147.62	26.04
		Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	14.75	

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
22 13 16 00-0009	LF 10" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	217.16 16.69		26.04	
22 13 16 00-0010	Aboveground No Hub Cast Iron Soil Pipe Assemblies (22 13 16 00-0001) Note: Includes fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.				
22 13 16 00-0011	LF 1-1/2" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	36.22 6.03		6.87	
22 13 16 00-0012	LF 2" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	38.33 6.47		7.32	
22 13 16 00-0013	LF 3" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	49.34 7.94		10.64	
22 13 16 00-0014	LF 4" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	59.20 9.50		13.84	
22 13 16 00-0015	LF 5" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	77.05 11.16		16.45	
22 13 16 00-0016	LF 6" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	88.07 12.16		17.95	
22 13 16 00-0017	LF 8" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	139.11 16.81		25.82	
22 13 16 00-0018	LF 10" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 20'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	200.47 19.54		29.34	
22 13 16 00-0019	Bell And Spigot Cast Iron Soil Pipe And Fittings (22 13 16) Note: Service weight. ASTM A74 and CISPI 301 (Fitting Requirements).				
22 13 16 00-0020	Bell And Spigot Cast Iron Pipe (22 13 16 00-0019) Note: Excludes excavation, hangers, gaskets, and fittings.				
22 13 16 00-0021	LF 2" Bell And Spigot Cast Iron Pipe <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	25.99 6.34 0.54 3.27		7.21	
22 13 16 00-0022	LF 3" Bell And Spigot Cast Iron Pipe <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	37.98 9.09 0.82 4.90		10.87	
22 13 16 00-0023	LF 4" Bell And Spigot Cast Iron Pipe <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	48.94 11.82 1.04 6.24		13.84	
22 13 16 00-0024	LF 5" Bell And Spigot Cast Iron Pipe <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	64.80 16.68 1.25 7.52		16.77	
22 13 16 00-0025	LF 6" Bell And Spigot Cast Iron Pipe <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	75.72 20.32 1.37 8.21		18.27	
22 13 16 00-0026	LF 8" Bell And Spigot Cast Iron Pipe <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	114.30 31.60 1.95 11.72		26.04	
22 13 16 00-0027	LF 10" Bell And Spigot Cast Iron Pipe <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	169.20 52.60 2.20 13.19		29.34	
22 13 16 00-0028	LF 12" Bell And Spigot Cast Iron Pipe <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	240.54 76.41 2.93 17.58		39.12	
22 13 16 00-0029	LF 15" Bell And Spigot Cast Iron Pipe <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	336.24 111.68 3.52 21.10		46.92	
22 13 16 00-0030	Bell And Spigot Cast Iron Fittings (22 13 16 00-0019)				
22 13 16 00-0031	Bell And Spigot Cast Iron Long Sweeps (22 13 16 00-0030)				

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0032	EA		2" Bell And Spigot Cast Iron Long Sweep.....	114.82	32.83
			For Above Ground Cast Iron Pipe Installation, Add	2.46	
			For Extra Heavy Fittings, Add	22.96	
			For Work In Restricted Working Space, Add	14.76	
22 13 16 00-0033	EA		3" Bell And Spigot Cast Iron Long Sweep.....	194.97	41.30
			For Above Ground Cast Iron Pipe Installation, Add	3.09	
			For Extra Heavy Fittings, Add	46.59	
			For Work In Restricted Working Space, Add	18.56	
22 13 16 00-0034	EA		4" Bell And Spigot Cast Iron Long Sweep.....	259.76	54.92
			For Above Ground Cast Iron Pipe Installation, Add	4.12	
			For Extra Heavy Fittings, Add	62.10	
			For Work In Restricted Working Space, Add	24.70	
22 13 16 00-0035	EA		6" Bell And Spigot Cast Iron Long Sweep.....	405.07	70.93
			For Above Ground Cast Iron Pipe Installation, Add	5.32	
			For Extra Heavy Fittings, Add	104.56	
			For Work In Restricted Working Space, Add	31.90	
22 13 16 00-0036	EA		8" Bell And Spigot Cast Iron Long Sweep.....	803.68	91.65
			For Above Ground Cast Iron Pipe Installation, Add	6.87	
			For Extra Heavy Fittings, Add	233.21	
			For Work In Restricted Working Space, Add	41.21	
22 13 16 00-0037	EA		10" Bell And Spigot Cast Iron Long Sweep.....	1,099.72	112.74
			For Above Ground Cast Iron Pipe Installation, Add	8.45	
			For Extra Heavy Fittings, Add	325.73	
			For Work In Restricted Working Space, Add	50.72	
22 13 16 00-0038	EA		12" Bell And Spigot Cast Iron Long Sweep.....	1,686.92	157.36
			For Above Ground Cast Iron Pipe Installation, Add	11.80	
			For Extra Heavy Fittings, Add	507.64	
			For Work In Restricted Working Space, Add	70.78	
22 13 16 00-0039	EA		15" Bell And Spigot Cast Iron Long Sweep.....	3,134.87	219.12
			For Above Ground Cast Iron Pipe Installation, Add	16.43	
			For Extra Heavy Fittings, Add	982.22	
			For Work In Restricted Working Space, Add	98.56	
22 13 16 00-0040 Bell And Spigot Cast Iron Short Sweeps (22 13 16 00-0030)					
22 13 16 00-0041	EA		2" Bell And Spigot Cast Iron Short Sweep.....	97.50	32.83
			For Above Ground Cast Iron Pipe Installation, Add	2.46	
			For Extra Heavy Fittings, Add	16.90	
			For Work In Restricted Working Space, Add	14.76	
22 13 16 00-0042	EA		3" Bell And Spigot Cast Iron Short Sweep.....	165.90	41.30
			For Above Ground Cast Iron Pipe Installation, Add	3.09	
			For Extra Heavy Fittings, Add	36.42	
			For Work In Restricted Working Space, Add	18.56	
22 13 16 00-0043	EA		4" Bell And Spigot Cast Iron Short Sweep.....	227.07	54.92
			For Above Ground Cast Iron Pipe Installation, Add	4.12	
			For Extra Heavy Fittings, Add	50.66	
			For Work In Restricted Working Space, Add	24.70	
22 13 16 00-0044	EA		5" Bell And Spigot Cast Iron Short Sweep.....	340.64	60.29
			For Above Ground Cast Iron Pipe Installation, Add	4.52	
			For Extra Heavy Fittings, Add	87.60	
			For Work In Restricted Working Space, Add	27.11	
22 13 16 00-0045	EA		6" Bell And Spigot Cast Iron Short Sweep.....	411.30	70.93
			For Above Ground Cast Iron Pipe Installation, Add	5.32	
			For Extra Heavy Fittings, Add	106.74	
			For Work In Restricted Working Space, Add	31.90	
22 13 16 00-0046	EA		8" Bell And Spigot Cast Iron Short Sweep.....	678.39	91.65
			For Above Ground Cast Iron Pipe Installation, Add	6.87	
			For Extra Heavy Fittings, Add	189.36	
			For Work In Restricted Working Space, Add	41.21	
22 13 16 00-0047	EA		10" Bell And Spigot Cast Iron Short Sweep.....	992.82	112.74
			For Above Ground Cast Iron Pipe Installation, Add	8.45	
			For Extra Heavy Fittings, Add	288.32	
			For Work In Restricted Working Space, Add	50.72	
22 13 16 00-0048	EA		12" Bell And Spigot Cast Iron Short Sweep.....	1,647.06	157.36
			For Above Ground Cast Iron Pipe Installation, Add	11.80	
			For Extra Heavy Fittings, Add	493.89	
			For Work In Restricted Working Space, Add	70.78	
22 13 16 00-0049 Bell And Spigot Cast Iron 1/4 Bends (22 13 16 00-0030)					
22 13 16 00-0050	EA		2" Bell And Spigot Cast Iron 1/4 Bend.....	87.67	32.72
			For Above Ground Cast Iron Pipe Installation, Add	2.46	
			For Extra Heavy Fittings, Add	13.50	
			For Work In Restricted Working Space, Add	14.73	
22 13 16 00-0051	EA		3" Bell And Spigot Cast Iron 1/4 Bend.....	132.34	36.84
			For Above Ground Cast Iron Pipe Installation, Add	2.76	
			For Extra Heavy Fittings, Add	26.97	
			For Work In Restricted Working Space, Add	16.58	
22 13 16 00-0052	EA		4" Bell And Spigot Cast Iron 1/4 Bend.....	189.25	49.08
			For Above Ground Cast Iron Pipe Installation, Add	3.68	
			For Extra Heavy Fittings, Add	40.49	
			For Work In Restricted Working Space, Add	22.07	
22 13 16 00-0053	EA		5" Bell And Spigot Cast Iron 1/4 Bend.....	236.04	53.84
			For Above Ground Cast Iron Pipe Installation, Add	4.03	
			For Extra Heavy Fittings, Add	54.38	
			For Work In Restricted Working Space, Add	24.20	
22 13 16 00-0054	EA		6" Bell And Spigot Cast Iron 1/4 Bend.....	283.91	64.48
			For Above Ground Cast Iron Pipe Installation, Add	4.84	
			For Extra Heavy Fittings, Add	65.51	
			For Work In Restricted Working Space, Add	29.03	

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 13 16 00-0055	EA	8" Bell And Spigot Cast Iron 1/4 Bend	590.93	84.39
		For Above Ground Cast Iron Pipe Installation, Add	6.32	
		For Extra Heavy Fittings, Add	162.55	
		For Work In Restricted Working Space, Add	37.95	
22 13 16 00-0056	EA	10" Bell And Spigot Cast Iron 1/4 Bend	872.11	102.41
		For Above Ground Cast Iron Pipe Installation, Add	7.68	
		For Extra Heavy Fittings, Add	251.50	
		For Work In Restricted Working Space, Add	46.06	
22 13 16 00-0057	EA	12" Bell And Spigot Cast Iron 1/4 Bend	1,150.19	120.88
		For Above Ground Cast Iron Pipe Installation, Add	9.06	
		For Extra Heavy Fittings, Add	339.12	
		For Work In Restricted Working Space, Add	54.38	
22 13 16 00-0058	EA	15" Bell And Spigot Cast Iron 1/4 Bend	2,942.54	190.66
		For Above Ground Cast Iron Pipe Installation, Add	14.29	
		For Extra Heavy Fittings, Add	929.86	
		For Work In Restricted Working Space, Add	85.74	

22 13 16 00-0059 Bell And Spigot Cast Iron 1/8 Bends (22 13 16 00-0030)

22 13 16 00-0060	EA	2" Bell And Spigot Cast Iron 1/8 Bend	80.00	32.83
		For Above Ground Cast Iron Pipe Installation, Add	2.46	
		For Extra Heavy Fittings, Add	10.78	
		For Work In Restricted Working Space, Add	14.76	
22 13 16 00-0061	EA	3" Bell And Spigot Cast Iron 1/8 Bend	125.39	41.30
		For Above Ground Cast Iron Pipe Installation, Add	3.09	
		For Extra Heavy Fittings, Add	22.24	
		For Work In Restricted Working Space, Add	18.56	
22 13 16 00-0062	EA	4" Bell And Spigot Cast Iron 1/8 Bend	178.72	54.92
		For Above Ground Cast Iron Pipe Installation, Add	4.12	
		For Extra Heavy Fittings, Add	33.74	
		For Work In Restricted Working Space, Add	24.70	
22 13 16 00-0063	EA	5" Bell And Spigot Cast Iron 1/8 Bend	222.53	67.39
		For Above Ground Cast Iron Pipe Installation, Add	5.05	
		For Extra Heavy Fittings, Add	42.54	
		For Work In Restricted Working Space, Add	30.29	
22 13 16 00-0064	EA	6" Bell And Spigot Cast Iron 1/8 Bend	257.44	75.13
		For Above Ground Cast Iron Pipe Installation, Add	5.63	
		For Extra Heavy Fittings, Add	50.66	
		For Work In Restricted Working Space, Add	33.81	
22 13 16 00-0065	EA	8" Bell And Spigot Cast Iron 1/8 Bend	513.75	101.10
		For Above Ground Cast Iron Pipe Installation, Add	7.58	
		For Extra Heavy Fittings, Add	126.76	
		For Work In Restricted Working Space, Add	45.47	
22 13 16 00-0066	EA	10" Bell And Spigot Cast Iron 1/8 Bend	719.00	124.73
		For Above Ground Cast Iron Pipe Installation, Add	9.35	
		For Extra Heavy Fittings, Add	186.18	
		For Work In Restricted Working Space, Add	56.12	
22 13 16 00-0067	EA	12" Bell And Spigot Cast Iron 1/8 Bend	1,162.91	161.76
		For Above Ground Cast Iron Pipe Installation, Add	12.12	
		For Extra Heavy Fittings, Add	322.16	
		For Work In Restricted Working Space, Add	72.74	
22 13 16 00-0068	EA	15" Bell And Spigot Cast Iron 1/8 Bend	2,231.91	190.66
		For Above Ground Cast Iron Pipe Installation, Add	14.29	
		For Extra Heavy Fittings, Add	681.14	
		For Work In Restricted Working Space, Add	85.74	

22 13 16 00-0069 Bell And Spigot Cast Iron Wyes (22 13 16 00-0030)

22 13 16 00-0070	EA	2" Bell And Spigot Cast Iron Wye	139.64	73.34
		For Above Ground Cast Iron Pipe Installation, Add	5.50	
		For Extra Heavy Fittings, Add	10.37	
		For Work In Restricted Working Space, Add	33.01	
22 13 16 00-0071	EA	3" Bell And Spigot Cast Iron Wye	175.92	80.33
		For Above Ground Cast Iron Pipe Installation, Add	6.02	
		For Extra Heavy Fittings, Add	19.42	
		For Work In Restricted Working Space, Add	36.13	
22 13 16 00-0072	EA	4" Bell And Spigot Cast Iron Wye	231.61	105.27
		For Above Ground Cast Iron Pipe Installation, Add	7.89	
		For Extra Heavy Fittings, Add	25.84	
		For Work In Restricted Working Space, Add	47.33	
22 13 16 00-0073	EA	5" Bell And Spigot Cast Iron Wye	296.94	115.97
		For Above Ground Cast Iron Pipe Installation, Add	8.70	
		For Extra Heavy Fittings, Add	43.06	
		For Work In Restricted Working Space, Add	52.17	
22 13 16 00-0074	EA	6" Bell And Spigot Cast Iron Wye	372.80	137.46
		For Above Ground Cast Iron Pipe Installation, Add	10.31	
		For Extra Heavy Fittings, Add	58.34	
		For Work In Restricted Working Space, Add	61.83	
22 13 16 00-0075	EA	8" Bell And Spigot Cast Iron Wye	685.56	184.62
		For Above Ground Cast Iron Pipe Installation, Add	13.84	
		For Extra Heavy Fittings, Add	143.06	
		For Work In Restricted Working Space, Add	83.04	
22 13 16 00-0076	EA	10" Bell And Spigot Cast Iron Wye	962.75	209.45
		For Above Ground Cast Iron Pipe Installation, Add	15.70	
		For Extra Heavy Fittings, Add	227.07	
		For Work In Restricted Working Space, Add	94.19	
22 13 16 00-0077	EA	12" Bell And Spigot Cast Iron Wye	1,425.97	254.95
		For Above Ground Cast Iron Pipe Installation, Add	19.11	
		For Extra Heavy Fittings, Add	365.31	
		For Work In Restricted Working Space, Add	114.67	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0078	EA		15" Bell And Spigot Cast Iron Wye For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	2,216.07 21.44 625.53 128.65	286.05
22 13 16 00-0079 Bell And Spigot Cast Iron Reducing Wyes (22 13 16 00-0030)					
22 13 16 00-0080	EA		3" x 2" Bell And Spigot Cast Iron Reducing Wye For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	221.50 5.75 37.29 34.49	76.66
22 13 16 00-0081	EA		4" x 2" Bell And Spigot Cast Iron Reducing Wye For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	269.57 7.11 44.61 42.63	94.74
22 13 16 00-0082	EA		4" x 3" Bell And Spigot Cast Iron Reducing Wye For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	300.90 7.29 54.31 43.72	97.14
22 13 16 00-0083	EA		6" x 2" Bell And Spigot Cast Iron Reducing Wye For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	443.20 9.23 90.52 55.37	123.16
22 13 16 00-0084	EA		6" x 3" Bell And Spigot Cast Iron Reducing Wye For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	454.71 9.40 93.32 56.42	125.42
22 13 16 00-0085	EA		6" x 4" Bell And Spigot Cast Iron Reducing Wye For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	475.87 10.03 96.34 60.19	133.81
22 13 16 00-0086	EA		8" x 2" Bell And Spigot Cast Iron Reducing Wye For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	702.26 11.13 167.89 66.77	148.46
22 13 16 00-0087	EA		8" x 3" Bell And Spigot Cast Iron Reducing Wye For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	734.21 11.34 177.59 68.04	151.32
22 13 16 00-0088	EA		8" x 4" Bell And Spigot Cast Iron Reducing Wye For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	751.77 11.88 179.96 71.28	158.46
22 13 16 00-0089	EA		8" x 6" Bell And Spigot Cast Iron Reducing Wye For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	888.72 13.22 218.54 79.30	176.27
22 13 16 00-0090	EA		10" x 3" Bell And Spigot Cast Iron Reducing Wye For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	1,098.02 12.38 297.63 74.29	165.17
22 13 16 00-0091	EA		10" x 4" Bell And Spigot Cast Iron Reducing Wye For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	1,142.20 12.93 309.27 77.57	172.42
22 13 16 00-0092	EA		10" x 6" Bell And Spigot Cast Iron Reducing Wye For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	1,249.50 14.29 337.29 85.74	190.66
22 13 16 00-0093	EA		10" x 8" Bell And Spigot Cast Iron Reducing Wye For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	1,654.16 15.16 472.85 90.95	202.20
22 13 16 00-0094	EA		12" x 4" Bell And Spigot Cast Iron Reducing Wye For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	1,702.81 15.16 489.88 90.95	202.20
22 13 16 00-0095	EA		12" x 6" Bell And Spigot Cast Iron Reducing Wye For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	1,771.91 16.43 505.18 98.56	219.12
22 13 16 00-0096	EA		12" x 8" Bell And Spigot Cast Iron Reducing Wye For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	2,081.86 17.24 607.99 103.43	230.00
22 13 16 00-0097	EA		12" x 10" Bell And Spigot Cast Iron Reducing Wye For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	2,532.44 17.75 762.08 106.52	236.82
22 13 16 00-0098	EA		15" x 4" Bell And Spigot Cast Iron Reducing Wye For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	4,194.46 16.74 1,350.89 100.43	223.30
22 13 16 00-0099	EA		15" x 6" Bell And Spigot Cast Iron Reducing Wye For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	4,377.23 18.12 1,405.20 108.71	241.65

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
22 13 16 00-0100	EA 15" x 8" Bell And Spigot Cast Iron Reducing Wye For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	4,466.71 18.90 1,431.06 113.39		252.09	
22 13 16 00-0101	EA 15" x 10" Bell And Spigot Cast Iron Reducing Wye For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	4,570.60 19.54 1,462.96 117.22		260.66	
22 13 16 00-0102	EA 15" x 12" Bell And Spigot Cast Iron Reducing Wye For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	4,685.77 20.68 1,495.29 124.06		275.83	
22 13 16 00-0103 Bell And Spigot Cast Iron Combination Wye And 1/8 Bends (22 13 16 00-0030)					
22 13 16 00-0104	EA 2" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend..... For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	152.32 5.50 14.81 33.01		73.34	
22 13 16 00-0105	EA 3" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend..... For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	183.74 6.02 22.16 36.13		80.33	
22 13 16 00-0106	EA 4" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend..... For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	245.22 7.89 30.60 47.33		105.27	
22 13 16 00-0107	EA 5" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend..... For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	340.78 9.12 55.45 54.70		121.66	
22 13 16 00-0108	EA 6" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend..... For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	426.82 11.31 70.22 67.86		150.89	
22 13 16 00-0109	EA 8" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend..... For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	786.38 14.90 170.93 89.40		198.79	
22 13 16 00-0110	EA 10" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend..... For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	1,135.81 19.54 260.78 117.22		260.66	
22 13 16 00-0111	EA 12" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend..... For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	1,523.40 25.12 357.37 150.71		335.06	
22 13 16 00-0112 Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bends (22 13 16 00-0030)					
22 13 16 00-0113	EA 3" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend..... For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	162.45 5.75 16.62 34.49		76.66	
22 13 16 00-0114	EA 4" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend..... For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	229.30 7.11 30.52 42.63		94.74	
22 13 16 00-0115	EA 4" x 3" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend..... For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	247.76 7.29 35.71 43.72		97.14	
22 13 16 00-0116	EA 6" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend..... For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	366.99 9.23 63.85 55.37		123.16	
22 13 16 00-0117	EA 6" x 3" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend..... For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	382.36 9.40 68.00 56.42		125.42	
22 13 16 00-0118	EA 6" x 4" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend..... For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	405.28 10.03 71.63 60.19		133.81	
22 13 16 00-0119	EA 8" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend..... For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	560.71 11.13 118.35 66.77		148.46	
22 13 16 00-0120	EA 8" x 4" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend..... For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	575.74 11.88 118.35 71.28		158.46	
22 13 16 00-0121	EA 8" x 6" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend..... For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	728.52 13.22 162.47 79.30		176.27	

22 13 16 00-0122 Bell And Spigot Cast Iron Double Wyes (22 13 16 00-0030)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0123	EA		2" Bell And Spigot Cast Iron Double Wye.....	248.52	87.76
			For Above Ground Cast Iron Pipe Installation, Add	6.58	
			For Extra Heavy Fittings, Add	40.95	
			For Work In Restricted Working Space, Add	39.46	
22 13 16 00-0124	EA		3" Bell And Spigot Cast Iron Double Wye.....	362.26	110.64
			For Above Ground Cast Iron Pipe Installation, Add	8.29	
			For Extra Heavy Fittings, Add	68.75	
			For Work In Restricted Working Space, Add	49.75	
22 13 16 00-0125	EA		4" Bell And Spigot Cast Iron Double Wye.....	491.89	139.93
			For Above Ground Cast Iron Pipe Installation, Add	10.49	
			For Extra Heavy Fittings, Add	98.71	
			For Work In Restricted Working Space, Add	62.96	
22 13 16 00-0126	EA		6" Bell And Spigot Cast Iron Double Wye.....	942.27	211.19
			For Above Ground Cast Iron Pipe Installation, Add	15.83	
			For Extra Heavy Fittings, Add	218.97	
			For Work In Restricted Working Space, Add	94.99	
22 13 16 00-0127	EA		8" Bell And Spigot Cast Iron Double Wye.....	1,896.92	249.56
			For Above Ground Cast Iron Pipe Installation, Add	18.71	
			For Extra Heavy Fittings, Add	532.99	
			For Work In Restricted Working Space, Add	112.23	
22 13 16 00-0128	EA		10" Bell And Spigot Cast Iron Double Wye.....	2,516.59	279.23
			For Above Ground Cast Iron Pipe Installation, Add	20.93	
			For Extra Heavy Fittings, Add	734.28	
			For Work In Restricted Working Space, Add	125.59	
22 13 16 00-0129	EA		12" Bell And Spigot Cast Iron Double Wye.....	1,737.41	335.06
			For Above Ground Cast Iron Pipe Installation, Add	25.12	
			For Extra Heavy Fittings, Add	432.27	
			For Work In Restricted Working Space, Add	150.71	
22 13 16 00-0130	EA		15" Bell And Spigot Cast Iron Double Wye.....	4,930.82	351.65
			For Above Ground Cast Iron Pipe Installation, Add	26.38	
			For Extra Heavy Fittings, Add	1,541.16	
			For Work In Restricted Working Space, Add	158.25	
22 13 16 00-0131			Bell And Spigot Cast Iron Reducing Double Wyes (22 13 16 00-0030)		
22 13 16 00-0132	EA		3" x 2" Bell And Spigot Cast Iron Reducing Double Wye.....	224.66	103.78
			For Above Ground Cast Iron Pipe Installation, Add	7.78	
			For Extra Heavy Fittings, Add	24.16	
			For Work In Restricted Working Space, Add	46.69	
22 13 16 00-0133	EA		4" x 2" Bell And Spigot Cast Iron Reducing Double Wye.....	261.11	119.22
			For Above Ground Cast Iron Pipe Installation, Add	8.94	
			For Extra Heavy Fittings, Add	28.82	
			For Work In Restricted Working Space, Add	53.63	
22 13 16 00-0134	EA		4" x 3" Bell And Spigot Cast Iron Reducing Double Wye.....	282.96	125.06
			For Above Ground Cast Iron Pipe Installation, Add	9.38	
			For Extra Heavy Fittings, Add	33.38	
			For Work In Restricted Working Space, Add	56.27	
22 13 16 00-0135	EA		6" x 2" Bell And Spigot Cast Iron Reducing Double Wye.....	361.97	146.49
			For Above Ground Cast Iron Pipe Installation, Add	10.98	
			For Extra Heavy Fittings, Add	49.83	
			For Work In Restricted Working Space, Add	65.88	
22 13 16 00-0136	EA		6" x 3" Bell And Spigot Cast Iron Reducing Double Wye.....	383.88	152.08
			For Above Ground Cast Iron Pipe Installation, Add	11.40	
			For Extra Heavy Fittings, Add	54.57	
			For Work In Restricted Working Space, Add	68.39	
22 13 16 00-0137	EA		6" x 4" Bell And Spigot Cast Iron Reducing Double Wye.....	442.22	165.84
			For Above Ground Cast Iron Pipe Installation, Add	12.43	
			For Extra Heavy Fittings, Add	67.76	
			For Work In Restricted Working Space, Add	74.59	
22 13 16 00-0138	EA		8" x 4" Bell And Spigot Cast Iron Reducing Double Wye.....	718.10	192.31
			For Above Ground Cast Iron Pipe Installation, Add	14.41	
			For Extra Heavy Fittings, Add	150.45	
			For Work In Restricted Working Space, Add	86.47	
22 13 16 00-0139	EA		8" x 6" Bell And Spigot Cast Iron Reducing Double Wye.....	781.19	227.58
			For Above Ground Cast Iron Pipe Installation, Add	17.06	
			For Extra Heavy Fittings, Add	153.97	
			For Work In Restricted Working Space, Add	102.38	
22 13 16 00-0140	EA		10" x 4" Bell And Spigot Cast Iron Reducing Double Wye.....	764.93	205.71
			For Above Ground Cast Iron Pipe Installation, Add	15.42	
			For Extra Heavy Fittings, Add	159.76	
			For Work In Restricted Working Space, Add	92.54	
22 13 16 00-0141	EA		10" x 6" Bell And Spigot Cast Iron Reducing Double Wye.....	891.39	241.65
			For Above Ground Cast Iron Pipe Installation, Add	18.12	
			For Extra Heavy Fittings, Add	185.15	
			For Work In Restricted Working Space, Add	108.71	
22 13 16 00-0142	EA		10" x 8" Bell And Spigot Cast Iron Reducing Double Wye.....	1,100.30	263.41
			For Above Ground Cast Iron Pipe Installation, Add	19.75	
			For Extra Heavy Fittings, Add	246.88	
			For Work In Restricted Working Space, Add	118.48	
22 13 16 00-0143	EA		12" x 6" Bell And Spigot Cast Iron Reducing Double Wye.....	1,123.85	269.45
			For Above Ground Cast Iron Pipe Installation, Add	20.20	
			For Extra Heavy Fittings, Add	251.94	
			For Work In Restricted Working Space, Add	121.20	
22 13 16 00-0144	EA		12" x 8" Bell And Spigot Cast Iron Reducing Double Wye.....	1,439.40	293.19
			For Above Ground Cast Iron Pipe Installation, Add	21.98	
			For Extra Heavy Fittings, Add	349.94	
			For Work In Restricted Working Space, Add	131.87	

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
22 13 16 00-0145	Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bends (22 13 16 00-0030)			
22 13 16 00-0146	EA 2" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	206.58 6.58 26.27 39.46		87.76
22 13 16 00-0147	EA 3" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	278.25 8.80 35.78 52.81		117.39
22 13 16 00-0148	EA 4" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	363.88 11.00 50.34 66.01		146.80
22 13 16 00-0149	EA 6" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	799.81 17.69 156.08 106.16		236.02
22 13 16 00-0150	Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bends (22 13 16 00-0030)			
22 13 16 00-0151	EA 3" x 2" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	276.43 7.89 41.53 47.33		105.27
22 13 16 00-0152	EA 4" x 2" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	328.27 8.94 52.32 53.63		119.22
22 13 16 00-0153	EA 4" x 3" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	368.59 9.95 59.38 59.68		132.73
22 13 16 00-0154	EA 6" x 4" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	740.04 13.20 166.62 79.19		176.05
22 13 16 00-0155	Bell And Spigot Cast Iron Sanitary Tees (22 13 16 00-0030)			
22 13 16 00-0156	EA 2" Bell And Spigot Cast Iron Sanitary Tee For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	168.62 5.51 20.48 33.04		73.46
22 13 16 00-0157	EA 3" Bell And Spigot Cast Iron Sanitary Tee For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	191.87 6.02 25.00 36.13		80.33
22 13 16 00-0158	EA 4" Bell And Spigot Cast Iron Sanitary Tee For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	310.16 7.38 56.90 44.28		98.40
22 13 16 00-0159	EA 5" Bell And Spigot Cast Iron Sanitary Tee For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	450.30 8.04 101.29 48.27		107.26
22 13 16 00-0160	EA 6" Bell And Spigot Cast Iron Sanitary Tee For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	540.21 9.65 121.56 57.87		128.65
22 13 16 00-0161	EA 8" Bell And Spigot Cast Iron Sanitary Tee For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	1,167.33 12.65 320.05 75.87		168.68
22 13 16 00-0162	EA 10" Bell And Spigot Cast Iron Sanitary Tee For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	1,756.76 15.42 506.91 92.54		205.71
22 13 16 00-0163	EA 12" Bell And Spigot Cast Iron Sanitary Tee For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	2,624.74 18.12 791.83 108.71		241.65
22 13 16 00-0164	Bell And Spigot Cast Iron Reducing Sanitary Tees (22 13 16 00-0030)			
22 13 16 00-0165	EA 3" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	227.04 5.75 39.22 34.49		76.66
22 13 16 00-0166	EA 4" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	268.85 6.73 46.98 40.38		89.82
22 13 16 00-0167	EA 4" x 3" Bell And Spigot Cast Iron Reducing Sanitary Tee For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	281.78 6.73 51.51 40.38		89.82

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0168	EA		6" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	425.95 9.23 84.48 55.37	123.16
22 13 16 00-0169	EA		6" x 3" Bell And Spigot Cast Iron Reducing Sanitary Tee For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	443.63 9.40 89.44 56.42	125.42
22 13 16 00-0170	EA		6" x 4" Bell And Spigot Cast Iron Reducing Sanitary Tee For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	481.41 10.03 98.28 60.19	133.81
22 13 16 00-0171	EA		8" x 4" Bell And Spigot Cast Iron Reducing Sanitary Tee For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	825.05 11.88 205.61 71.28	158.46
22 13 16 00-0172	EA		8" x 6" Bell And Spigot Cast Iron Reducing Sanitary Tee For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	1,037.12 13.22 270.48 79.30	176.27
22 13 16 00-0173 Bell And Spigot Cast Iron Vent Tees (22 13 16 00-0030)					
22 13 16 00-0174	EA		2" Bell And Spigot Cast Iron Vent Tee For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	144.20 5.50 11.96 33.01	73.34
22 13 16 00-0175	EA		3" Bell And Spigot Cast Iron Vent Tee For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	179.92 6.02 20.82 36.13	80.33
22 13 16 00-0176	EA		4" Bell And Spigot Cast Iron Vent Tee For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	238.38 7.89 28.21 47.33	105.27
22 13 16 00-0177	EA		5" Bell And Spigot Cast Iron Vent Tee For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	302.60 9.12 42.09 54.70	121.66
22 13 16 00-0178	EA		6" Bell And Spigot Cast Iron Vent Tee For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	381.13 11.31 54.23 67.86	150.89
22 13 16 00-0179	EA		8" Bell And Spigot Cast Iron Vent Tee For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	658.55 14.90 126.19 89.40	198.79
22 13 16 00-0180 Bell And Spigot Cast Iron Tapped Sanitary Tees (22 13 16 00-0030)					
22 13 16 00-0181	EA		2" Bell And Spigot Cast Iron Tapped Sanitary Tee For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	148.20 5.50 13.36 33.01	73.34
22 13 16 00-0182	EA		3" Bell And Spigot Cast Iron Tapped Sanitary Tee For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	163.61 6.02 15.11 36.13	80.33
22 13 16 00-0183	EA		4" Bell And Spigot Cast Iron Tapped Sanitary Tee For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	210.98 7.89 18.62 47.33	105.27
22 13 16 00-0184 Bell And Spigot Cast Iron Tapped Sanitary Crosses (22 13 16 00-0030)					
22 13 16 00-0185	EA		2" Bell And Spigot Cast Iron Tapped Sanitary Cross For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	150.72 5.50 14.25 33.01	73.34
22 13 16 00-0186	EA		3" Bell And Spigot Cast Iron Tapped Sanitary Cross For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	168.41 6.02 16.79 36.13	80.33
22 13 16 00-0187	EA		4" Bell And Spigot Cast Iron Tapped Sanitary Cross For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	223.05 7.89 22.84 47.33	105.27
22 13 16 00-0188 Bell And Spigot Cast Iron Reducers (22 13 16 00-0030)					
22 13 16 00-0189	EA		3" x 2" Bell And Spigot Cast Iron Reducer For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	83.46 3.09 7.56 18.56	41.30
22 13 16 00-0190	EA		4" x 2" Bell And Spigot Cast Iron Reducer For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	104.33 4.09 7.91 24.52	54.46

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 13 16 00-0191	EA	4" x 3" Bell And Spigot Cast Iron Reducer	111.69	54.92
		For Above Ground Cast Iron Pipe Installation, Add	4.12	
		For Extra Heavy Fittings, Add	10.28	
		For Work In Restricted Working Space, Add	24.70	
22 13 16 00-0192	EA	6" x 2" Bell And Spigot Cast Iron Reducer	140.37	65.13
		For Above Ground Cast Iron Pipe Installation, Add	4.89	
		For Extra Heavy Fittings, Add	14.93	
		For Work In Restricted Working Space, Add	29.31	
22 13 16 00-0193	EA	6" x 3" Bell And Spigot Cast Iron Reducer	146.96	65.99
		For Above Ground Cast Iron Pipe Installation, Add	4.95	
		For Extra Heavy Fittings, Add	16.79	
		For Work In Restricted Working Space, Add	29.70	
22 13 16 00-0194	EA	6" x 4" Bell And Spigot Cast Iron Reducer	151.72	67.39
		For Above Ground Cast Iron Pipe Installation, Add	5.05	
		For Extra Heavy Fittings, Add	17.76	
		For Work In Restricted Working Space, Add	30.29	
22 13 16 00-0195	EA	8" x 2" Bell And Spigot Cast Iron Reducer	197.77	69.43
		For Above Ground Cast Iron Pipe Installation, Add	5.21	
		For Extra Heavy Fittings, Add	32.78	
		For Work In Restricted Working Space, Add	31.23	
22 13 16 00-0196	EA	8" x 3" Bell And Spigot Cast Iron Reducer	222.97	85.60
		For Above Ground Cast Iron Pipe Installation, Add	6.42	
		For Extra Heavy Fittings, Add	33.12	
		For Work In Restricted Working Space, Add	38.50	
22 13 16 00-0197	EA	8" x 4" Bell And Spigot Cast Iron Reducer	228.85	87.80
		For Above Ground Cast Iron Pipe Installation, Add	6.58	
		For Extra Heavy Fittings, Add	34.01	
		For Work In Restricted Working Space, Add	39.50	
22 13 16 00-0198	EA	8" x 6" Bell And Spigot Cast Iron Reducer	236.32	91.65
		For Above Ground Cast Iron Pipe Installation, Add	6.87	
		For Extra Heavy Fittings, Add	34.64	
		For Work In Restricted Working Space, Add	41.21	
22 13 16 00-0199	EA	10" x 4" Bell And Spigot Cast Iron Reducer	295.87	102.86
		For Above Ground Cast Iron Pipe Installation, Add	7.71	
		For Extra Heavy Fittings, Add	49.57	
		For Work In Restricted Working Space, Add	46.27	
22 13 16 00-0200	EA	10" x 6" Bell And Spigot Cast Iron Reducer	311.97	108.03
		For Above Ground Cast Iron Pipe Installation, Add	8.10	
		For Extra Heavy Fittings, Add	52.48	
		For Work In Restricted Working Space, Add	48.61	
22 13 16 00-0201	EA	10" x 8" Bell And Spigot Cast Iron Reducer	332.55	112.74
		For Above Ground Cast Iron Pipe Installation, Add	8.45	
		For Extra Heavy Fittings, Add	57.22	
		For Work In Restricted Working Space, Add	50.72	
22 13 16 00-0202	EA	12" x 4" Bell And Spigot Cast Iron Reducer	414.37	122.20
		For Above Ground Cast Iron Pipe Installation, Add	9.16	
		For Extra Heavy Fittings, Add	80.93	
		For Work In Restricted Working Space, Add	54.95	
22 13 16 00-0203	EA	12" x 6" Bell And Spigot Cast Iron Reducer	461.71	142.97
		For Above Ground Cast Iron Pipe Installation, Add	10.72	
		For Extra Heavy Fittings, Add	86.55	
		For Work In Restricted Working Space, Add	64.33	
22 13 16 00-0204	EA	12" x 8" Bell And Spigot Cast Iron Reducer	498.82	162.86
		For Above Ground Cast Iron Pipe Installation, Add	12.21	
		For Extra Heavy Fittings, Add	89.12	
		For Work In Restricted Working Space, Add	73.26	
22 13 16 00-0205	EA	12" x 10" Bell And Spigot Cast Iron Reducer	545.89	187.58
		For Above Ground Cast Iron Pipe Installation, Add	14.06	
		For Extra Heavy Fittings, Add	92.63	
		For Work In Restricted Working Space, Add	84.37	
22 13 16 00-0206	EA	15" x 6" Bell And Spigot Cast Iron Reducer	717.14	187.58
		For Above Ground Cast Iron Pipe Installation, Add	14.06	
		For Extra Heavy Fittings, Add	152.57	
		For Work In Restricted Working Space, Add	84.37	
22 13 16 00-0207	EA	15" x 8" Bell And Spigot Cast Iron Reducer	762.89	202.20
		For Above Ground Cast Iron Pipe Installation, Add	15.16	
		For Extra Heavy Fittings, Add	160.91	
		For Work In Restricted Working Space, Add	90.95	
22 13 16 00-0208	EA	15" x 10" Bell And Spigot Cast Iron Reducer	794.20	213.19
		For Above Ground Cast Iron Pipe Installation, Add	15.98	
		For Extra Heavy Fittings, Add	166.08	
		For Work In Restricted Working Space, Add	95.90	
22 13 16 00-0209	EA	15" x 12" Bell And Spigot Cast Iron Reducer	836.67	227.58
		For Above Ground Cast Iron Pipe Installation, Add	17.06	
		For Extra Heavy Fittings, Add	173.39	
		For Work In Restricted Working Space, Add	102.38	

22 13 16 00-0210 Bell And Spigot Cast Iron P-Traps (22 13 16 00-0030)

22 13 16 00-0211	EA	2" Bell And Spigot Cast Iron P-Trap	86.16	32.83
		For Above Ground Cast Iron Pipe Installation, Add	2.46	
		For Extra Heavy Fittings, Add	12.93	
		For Work In Restricted Working Space, Add	14.76	
22 13 16 00-0212	EA	3" Bell And Spigot Cast Iron P-Trap	115.61	41.30
		For Above Ground Cast Iron Pipe Installation, Add	3.09	
		For Extra Heavy Fittings, Add	18.82	
		For Work In Restricted Working Space, Add	18.56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0213	EA		4" Bell And Spigot Cast Iron P-Trap..... For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	157.63 4.12 26.36 24.70	54.92
22 13 16 00-0214	EA		5" Bell And Spigot Cast Iron P-Trap..... For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	251.82 4.52 56.51 27.11	60.29
22 13 16 00-0215	EA		6" Bell And Spigot Cast Iron P-Trap..... For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	338.84 5.32 81.38 31.90	70.93
22 13 16 00-0216	EA		8" Bell And Spigot Cast Iron P-Trap..... For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	758.06 6.87 217.25 41.21	91.65
22 13 16 00-0217	EA		10" Bell And Spigot Cast Iron P-Trap..... For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	839.64 8.45 234.70 50.72	112.74
22 13 16 00-0218 Bell And Spigot Cast Iron Deep Seal P-Traps (22 13 16 00-0030)					
22 13 16 00-0219	EA		2" Bell And Spigot Cast Iron Deep Seal P-Trap..... For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	100.20 2.46 17.85 14.76	32.83
22 13 16 00-0220	EA		3" Bell And Spigot Cast Iron Deep Seal P-Trap..... For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	143.19 3.09 28.47 18.56	41.30
22 13 16 00-0221	EA		4" Bell And Spigot Cast Iron Deep Seal P-Trap..... For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	208.92 4.12 44.31 24.70	54.92
22 13 16 00-0222	EA		5" Bell And Spigot Cast Iron Deep Seal P-Trap..... For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	343.53 5.05 84.89 30.29	67.39
22 13 16 00-0223	EA		6" Bell And Spigot Cast Iron Deep Seal P-Trap..... For Above Ground Cast Iron Pipe Installation, Add For Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	364.30 5.63 88.06 33.81	75.13
22 13 16 00-0224 Bell And Spigot Cast Iron Running Traps With Single Vent (22 13 16 00-0030)					
22 13 16 00-0225	EA		3" x 3" Bell And Spigot Cast Iron Running Trap With Single Vent..... For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	230.80 6.02 36.13	79.29
22 13 16 00-0226	EA		4" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent..... For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	308.00 7.89 47.33	104.24
22 13 16 00-0227	EA		5" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent..... For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	416.12 8.85 53.08	117.04
22 13 16 00-0228	EA		6" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent..... For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	844.48 10.03 60.19	132.63
22 13 16 00-0229	EA		8" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent..... For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	2,793.75 11.88 71.28	156.70
22 13 16 00-0230	EA		8" x 6" Bell And Spigot Cast Iron Running Trap With Single Vent..... For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	3,024.57 13.22 79.30	174.84
22 13 16 00-0231 Bell And Spigot Cast Running Traps With Double Vent (22 13 16 00-0030)					
22 13 16 00-0232	EA		3" x 3" Bell And Spigot Cast Iron Running Trap With Double Vent..... For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	294.77 8.29 49.75	109.50
22 13 16 00-0233	EA		4" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent..... For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	403.28 10.49 62.96	138.22
22 13 16 00-0234	EA		6" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent..... For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	940.03 12.43 74.59	163.90
22 13 16 00-0235	EA		6" x 6" Bell And Spigot Cast Iron Running Trap With Double Vent..... For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	1,089.64 15.03 90.19	198.40
22 13 16 00-0236	EA		8" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent..... For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	3,007.37 14.41 86.47	190.00
22 13 16 00-0237	EA		8" x 6" Bell And Spigot Cast Iron Running Trap With Double Vent..... For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	3,298.78 17.06 102.38	225.61
22 13 16 00-0238	EA		10" x 8" Bell And Spigot Cast Iron Running Trap With Double Vent..... For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	4,390.58 19.75 118.48	260.33

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**
 MINOR
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 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 13 16 00-0239	EA	12" x 10" Bell And Spigot Cast Iron Running Trap With Double Vent.....	6,081.73	300.99
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	22.80	
		<i>For Work In Restricted Working Space, Add</i>	136.79	
22 13 16 00-0240	EA	15" x 12" Bell And Spigot Cast Iron Running Trap With Double Vent.....	11,858.12	348.14
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	26.38	
		<i>For Work In Restricted Working Space, Add</i>	158.31	

22 13 16 00-0241 Bell And Spigot Cast Iron Scission Joint Fittings (22 13 16 00-0030)

22 13 16 00-0242	EA	2" Bell And Spigot Cast Iron Scission Joint Fitting.....	180.97	
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.45	
		<i>For Work In Restricted Working Space, Add</i>	14.73	
22 13 16 00-0243	EA	3" Bell And Spigot Cast Iron Scission Joint Fitting.....	250.26	
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.76	
		<i>For Work In Restricted Working Space, Add</i>	16.55	
22 13 16 00-0244	EA	4" Bell And Spigot Cast Iron Scission Joint Fitting.....	288.46	
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.69	
		<i>For Work In Restricted Working Space, Add</i>	22.16	
22 13 16 00-0245	EA	5" Bell And Spigot Cast Iron Scission Joint Fitting.....	356.51	
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.29	
		<i>For Work In Restricted Working Space, Add</i>	25.75	
22 13 16 00-0246	EA	6" Bell And Spigot Cast Iron Scission Joint Fitting.....	432.97	
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.18	
		<i>For Work In Restricted Working Space, Add</i>	31.10	
22 13 16 00-0247	EA	8" Bell And Spigot Cast Iron Scission Joint Fitting.....	823.55	
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.55	
		<i>For Work In Restricted Working Space, Add</i>	39.30	

22 13 16 00-0248 Cut And Prepare Existing In-Place Cast Iron Pipe (22 13 16 00-0019)

Note: For use when connecting pipe to an existing in-place system.

22 13 16 00-0249	EA	2", Cut And Prepare Existing In-Place Cast Iron Pipe.....	13.67	
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	0.68	
		<i>For Work In Restricted Working Space, Add</i>	4.10	
22 13 16 00-0250	EA	3", Cut And Prepare Existing In-Place Cast Iron Pipe.....	14.92	
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	0.75	
		<i>For Work In Restricted Working Space, Add</i>	4.48	
22 13 16 00-0251	EA	4", Cut And Prepare Existing In-Place Cast Iron Pipe.....	18.64	
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	0.93	
		<i>For Work In Restricted Working Space, Add</i>	5.59	
22 13 16 00-0252	EA	6", Cut And Prepare Existing In-Place Cast Iron Pipe.....	22.36	
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	1.12	
		<i>For Work In Restricted Working Space, Add</i>	6.71	
22 13 16 00-0253	EA	8", Cut And Prepare Existing In-Place Cast Iron Pipe.....	29.82	
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	1.49	
		<i>For Work In Restricted Working Space, Add</i>	8.95	
22 13 16 00-0254	EA	10", Cut And Prepare Existing In-Place Cast Iron Pipe.....	34.79	
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	1.74	
		<i>For Work In Restricted Working Space, Add</i>	10.44	
22 13 16 00-0255	EA	12", Cut And Prepare Existing In-Place Cast Iron Pipe.....	41.00	
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.05	
		<i>For Work In Restricted Working Space, Add</i>	12.30	
22 13 16 00-0256	EA	15", Cut And Prepare Existing In-Place Cast Iron Pipe.....	47.22	
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.36	
		<i>For Work In Restricted Working Space, Add</i>	14.17	

22 13 16 00-0257 Joint Material (22 13 16 00-0019)

Note: Labor costs are included in the installation costs for fittings.

22 13 16 00-0258	LB	Lead (1 Lb./Diameter Inch) Joint Material.....	7.12	
22 13 16 00-0259	LB	Oakum (1/8 Lb./Diameter Inch) Joint Material.....	13.30	
22 13 16 00-0260	EA	2" Dual Tite Rubber Gasket.....	3.17	
22 13 16 00-0261	EA	3" Dual Tite Rubber Gasket.....	4.34	
22 13 16 00-0262	EA	4" Dual Tite Rubber Gasket.....	5.40	
22 13 16 00-0263	EA	6" Dual Tite Rubber Gasket.....	8.95	
22 13 16 00-0264	EA	8" Dual Tite Rubber Gasket.....	19.74	
22 13 16 00-0265	EA	10" Dual Tite Rubber Gasket.....	30.28	
22 13 16 00-0266	EA	12" Dual Tite Rubber Gasket.....	38.57	
22 13 16 00-0267	EA	15" Dual Tite Rubber Gasket.....	45.81	

22 13 16 00-0268 No Hub Cast Iron Soil Pipe And Fittings (22 13 16)

Note: Service Weight. Excludes hangers.

22 13 16 00-0269 No Hub Cast Iron Pipe (22 13 16 00-0268)

Note: Excludes couplings.

22 13 16 00-0270	LF	1-1/2" No Hub Cast Iron Pipe.....	20.76	6.87
		<i>For Work In Restricted Working Space, Add</i>	3.09	
		<i>For Below Ground Installation, Add</i>	0.52	
22 13 16 00-0271	LF	2" No Hub Cast Iron Pipe.....	22.03	7.32
		<i>For Work In Restricted Working Space, Add</i>	3.32	
		<i>For Below Ground Installation, Add</i>	0.55	
22 13 16 00-0272	LF	3" No Hub Cast Iron Pipe.....	31.19	10.64
		<i>For Work In Restricted Working Space, Add</i>	4.80	
		<i>For Below Ground Installation, Add</i>	0.80	
22 13 16 00-0273	LF	4" No Hub Cast Iron Pipe.....	40.47	13.84
		<i>For Work In Restricted Working Space, Add</i>	6.24	
		<i>For Below Ground Installation, Add</i>	1.04	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0274	LF	5"	No Hub Cast Iron Pipe..... For Work In Restricted Working Space, Add For Below Ground Installation, Add	52.05 7.40 1.23	16.45
22 13 16 00-0275	LF	6"	No Hub Cast Iron Pipe..... For Work In Restricted Working Space, Add For Below Ground Installation, Add	60.75 8.06 1.34	17.95
22 13 16 00-0276	LF	8"	No Hub Cast Iron Pipe..... For Work In Restricted Working Space, Add For Below Ground Installation, Add	92.91 11.59 1.93	25.82
22 13 16 00-0277	LF	10"	No Hub Cast Iron Pipe..... For Work In Restricted Working Space, Add For Below Ground Installation, Add	133.93 13.19 2.20	29.34
22 13 16 00-0278			No Hub Cast Iron Fittings (22 13 16 00-0268)		
22 13 16 00-0279			No Hub Cast Iron Long Sweeps (22 13 16 00-0278)		
22 13 16 00-0280	EA	1-1/2"	No Hub Cast Iron Long Sweep..... For Work In Restricted Working Space, Add For Below Ground Installation, Add	72.69 14.01 2.34	31.12
22 13 16 00-0281	EA	2"	No Hub Cast Iron Long Sweep..... For Work In Restricted Working Space, Add For Below Ground Installation, Add	75.33 14.61 2.43	32.49
22 13 16 00-0282	EA	3"	No Hub Cast Iron Long Sweep..... For Work In Restricted Working Space, Add For Below Ground Installation, Add	89.19 16.74 2.79	37.18
22 13 16 00-0283	EA	4"	No Hub Cast Iron Long Sweep..... For Work In Restricted Working Space, Add For Below Ground Installation, Add	123.57 22.15 3.69	49.21
22 13 16 00-0284	EA	5"	No Hub Cast Iron Long Sweep..... For Work In Restricted Working Space, Add For Below Ground Installation, Add	172.95 24.40 4.07	54.27
22 13 16 00-0285	EA	6"	No Hub Cast Iron Long Sweep..... For Work In Restricted Working Space, Add For Below Ground Installation, Add	205.06 29.12 4.85	64.70
22 13 16 00-0286	EA	8"	No Hub Cast Iron Long Sweep..... For Work In Restricted Working Space, Add For Below Ground Installation, Add	420.81 37.68 6.28	83.74
22 13 16 00-0287			No Hub Cast Iron Reducing Long Sweeps (22 13 16 00-0278)		
22 13 16 00-0288	EA	3" x 2"	No Hub Cast Iron Reducing Long Sweep..... For Work In Restricted Working Space, Add For Below Ground Installation, Add	116.69 16.74 2.79	37.18
22 13 16 00-0289	EA	4" x 3"	No Hub Cast Iron Reducing Long Sweep..... For Work In Restricted Working Space, Add For Below Ground Installation, Add	175.98 22.15 3.69	49.21
22 13 16 00-0290			No Hub Cast Iron Short Sweeps (22 13 16 00-0278)		
22 13 16 00-0291	EA	2"	No Hub Cast Iron Short Sweep..... For Work In Restricted Working Space, Add For Below Ground Installation, Add	69.80 14.61 2.43	32.49
22 13 16 00-0292	EA	3"	No Hub Cast Iron Short Sweep..... For Work In Restricted Working Space, Add For Below Ground Installation, Add	84.81 16.74 2.79	37.18
22 13 16 00-0293	EA	4"	No Hub Cast Iron Short Sweep..... For Work In Restricted Working Space, Add For Below Ground Installation, Add	121.28 22.15 3.69	49.21
22 13 16 00-0294	EA	5"	No Hub Cast Iron Short Sweep..... For Work In Restricted Working Space, Add For Below Ground Installation, Add	173.81 24.40 4.07	54.27
22 13 16 00-0295	EA	6"	No Hub Cast Iron Short Sweep..... For Work In Restricted Working Space, Add For Below Ground Installation, Add	191.63 29.12 4.85	64.70
22 13 16 00-0296	EA	8"	No Hub Cast Iron Short Sweep..... For Work In Restricted Working Space, Add For Below Ground Installation, Add	380.24 37.68 6.28	83.74
22 13 16 00-0297	EA	10"	No Hub Cast Iron Short Sweep..... For Work In Restricted Working Space, Add For Below Ground Installation, Add	623.74 52.75 8.79	117.25
22 13 16 00-0298			No Hub Cast Iron 1/4 Bends (22 13 16 00-0278)		
22 13 16 00-0299	EA	1-1/2"	No Hub Cast Iron 1/4 Bend..... For Work In Restricted Working Space, Add For Below Ground Installation, Add	63.07 14.01 2.34	31.12
22 13 16 00-0300	EA	2"	No Hub Cast Iron 1/4 Bend..... For Work In Restricted Working Space, Add For Below Ground Installation, Add	65.99 14.61 2.43	32.49
22 13 16 00-0301	EA	3"	No Hub Cast Iron 1/4 Bend..... For Work In Restricted Working Space, Add For Below Ground Installation, Add	78.64 16.74 2.79	37.18
22 13 16 00-0302	EA	4"	No Hub Cast Iron 1/4 Bend..... For Work In Restricted Working Space, Add For Below Ground Installation, Add	107.64 22.15 3.69	49.21
22 13 16 00-0303	EA	5"	No Hub Cast Iron 1/4 Bend..... For Work In Restricted Working Space, Add For Below Ground Installation, Add	156.87 24.40 4.07	54.27

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
22 13 16 00-0304	EA	6" No Hub Cast Iron 1/4 Bend.....	180.79	64.70	
		<i>For Work In Restricted Working Space, Add</i>	29.12		
		<i>For Below Ground Installation, Add</i>	4.85		
22 13 16 00-0305	EA	8" No Hub Cast Iron 1/4 Bend.....	348.65	83.74	
		<i>For Work In Restricted Working Space, Add</i>	37.68		
		<i>For Below Ground Installation, Add</i>	6.28		
22 13 16 00-0306 No Hub Cast Iron 1/8 Bends (22 13 16 00-0278)					
22 13 16 00-0307	EA	1-1/2" No Hub Cast Iron 1/8 Bend	59.55	31.12	
		<i>For Work In Restricted Working Space, Add</i>	14.01		
		<i>For Below Ground Installation, Add</i>	2.34		
22 13 16 00-0308	EA	2" No Hub Cast Iron 1/8 Bend.....	61.83	32.49	
		<i>For Work In Restricted Working Space, Add</i>	14.61		
		<i>For Below Ground Installation, Add</i>	2.43		
22 13 16 00-0309	EA	3" No Hub Cast Iron 1/8 Bend.....	74.55	37.18	
		<i>For Work In Restricted Working Space, Add</i>	16.74		
		<i>For Below Ground Installation, Add</i>	2.79		
22 13 16 00-0310	EA	4" No Hub Cast Iron 1/8 Bend.....	98.45	49.21	
		<i>For Work In Restricted Working Space, Add</i>	22.15		
		<i>For Below Ground Installation, Add</i>	3.69		
22 13 16 00-0311	EA	6" No Hub Cast Iron 1/8 Bend.....	165.18	72.66	
		<i>For Work In Restricted Working Space, Add</i>	32.69		
		<i>For Below Ground Installation, Add</i>	5.45		
22 13 16 00-0312	EA	8" No Hub Cast Iron 1/8 Bend.....	292.65	95.43	
		<i>For Work In Restricted Working Space, Add</i>	42.91		
		<i>For Below Ground Installation, Add</i>	7.15		
22 13 16 00-0313	EA	10" No Hub Cast Iron 1/8 Bend.....	458.25	117.39	
		<i>For Work In Restricted Working Space, Add</i>	52.81		
		<i>For Below Ground Installation, Add</i>	8.80		
22 13 16 00-0314 No Hub Cast Iron Wyes (22 13 16 00-0278)					
22 13 16 00-0315	EA	1-1/2" No Hub Cast Iron Wye.....	96.18	48.97	
		<i>For Work In Restricted Working Space, Add</i>	22.01		
		<i>For Below Ground Installation, Add</i>	3.67		
22 13 16 00-0316	EA	2" No Hub Cast Iron Wye.....	122.62	66.36	
		<i>For Work In Restricted Working Space, Add</i>	29.85		
		<i>For Below Ground Installation, Add</i>	4.98		
22 13 16 00-0317	EA	3" No Hub Cast Iron Wye.....	140.56	72.66	
		<i>For Work In Restricted Working Space, Add</i>	32.69		
		<i>For Below Ground Installation, Add</i>	5.45		
22 13 16 00-0318	EA	4" No Hub Cast Iron Wye.....	194.29	95.43	
		<i>For Work In Restricted Working Space, Add</i>	42.91		
		<i>For Below Ground Installation, Add</i>	7.15		
22 13 16 00-0319	EA	5" No Hub Cast Iron Wye.....	269.31	105.65	
		<i>For Work In Restricted Working Space, Add</i>	47.52		
		<i>For Below Ground Installation, Add</i>	7.92		
22 13 16 00-0320	EA	6" No Hub Cast Iron Wye.....	319.53	125.42	
		<i>For Work In Restricted Working Space, Add</i>	56.42		
		<i>For Below Ground Installation, Add</i>	9.40		
22 13 16 00-0321	EA	8" No Hub Cast Iron Wye.....	560.04	167.58	
		<i>For Work In Restricted Working Space, Add</i>	75.35		
		<i>For Below Ground Installation, Add</i>	12.56		
22 13 16 00-0322	EA	10" No Hub Cast Iron Wye.....	947.84	186.15	
		<i>For Work In Restricted Working Space, Add</i>	83.72		
		<i>For Below Ground Installation, Add</i>	13.95		
22 13 16 00-0323 No Hub Cast Iron Reducing Wyes (22 13 16 00-0278)					
22 13 16 00-0324	EA	3" x 1-1/2" No Hub Cast Iron Reducing Wye	119.87	63.39	
		<i>For Work In Restricted Working Space, Add</i>	28.49		
		<i>For Below Ground Installation, Add</i>	4.75		
22 13 16 00-0325	EA	3" x 2" No Hub Cast Iron Reducing Wye.....	133.88	72.66	
		<i>For Work In Restricted Working Space, Add</i>	32.69		
		<i>For Below Ground Installation, Add</i>	5.45		
22 13 16 00-0326	EA	4" x 2" No Hub Cast Iron Reducing Wye.....	152.32	80.33	
		<i>For Work In Restricted Working Space, Add</i>	36.13		
		<i>For Below Ground Installation, Add</i>	6.02		
22 13 16 00-0327	EA	4" x 3" No Hub Cast Iron Reducing Wye.....	176.54	89.25	
		<i>For Work In Restricted Working Space, Add</i>	40.15		
		<i>For Below Ground Installation, Add</i>	6.69		
22 13 16 00-0328	EA	6" x 2" No Hub Cast Iron Reducing Wye.....	230.93	106.72	
		<i>For Work In Restricted Working Space, Add</i>	48.02		
		<i>For Below Ground Installation, Add</i>	8.00		
22 13 16 00-0329	EA	6" x 3" No Hub Cast Iron Reducing Wye.....	247.10	111.56	
		<i>For Work In Restricted Working Space, Add</i>	50.16		
		<i>For Below Ground Installation, Add</i>	8.36		
22 13 16 00-0330	EA	6" x 4" No Hub Cast Iron Reducing Wye.....	282.93	130.37	
		<i>For Work In Restricted Working Space, Add</i>	58.62		
		<i>For Below Ground Installation, Add</i>	9.77		
22 13 16 00-0331	EA	8" x 4" No Hub Cast Iron Reducing Wye.....	374.38	131.76	
		<i>For Work In Restricted Working Space, Add</i>	59.27		
		<i>For Below Ground Installation, Add</i>	9.88		
22 13 16 00-0332	EA	8" x 6" No Hub Cast Iron Reducing Wye.....	435.47	144.83	
		<i>For Work In Restricted Working Space, Add</i>	65.12		
		<i>For Below Ground Installation, Add</i>	10.85		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0333	EA		10" x 4" No Hub Cast Iron Reducing Wye	693.85	154.29
			For Work In Restricted Working Space, Add	69.41	
			For Below Ground Installation, Add	11.57	
22 13 16 00-0334	EA		10" x 6" No Hub Cast Iron Reducing Wye	731.53	165.17
			For Work In Restricted Working Space, Add	74.29	
			For Below Ground Installation, Add	12.38	
22 13 16 00-0335	EA		10" x 8" No Hub Cast Iron Reducing Wye	845.50	176.38
			For Work In Restricted Working Space, Add	79.32	
			For Below Ground Installation, Add	13.22	
22 13 16 00-0336 No Hub Cast Iron Combination Wye And 1/8 Bends (22 13 16 00-0278)					
22 13 16 00-0337	EA		1-1/2" No Hub Cast Iron Combination Wye And 1/8 Bend.....	108.51	56.98
			For Work In Restricted Working Space, Add	25.62	
			For Below Ground Installation, Add	4.27	
22 13 16 00-0338	EA		2" No Hub Cast Iron Combination Wye And 1/8 Bend	123.55	66.36
			For Work In Restricted Working Space, Add	29.85	
			For Below Ground Installation, Add	4.98	
22 13 16 00-0339	EA		3" No Hub Cast Iron Combination Wye And 1/8 Bend	147.59	72.66
			For Work In Restricted Working Space, Add	32.69	
			For Below Ground Installation, Add	5.45	
22 13 16 00-0340	EA		4" No Hub Cast Iron Combination Wye And 1/8 Bend	214.18	95.43
			For Work In Restricted Working Space, Add	42.91	
			For Below Ground Installation, Add	7.15	
22 13 16 00-0341	EA		6" No Hub Cast Iron Combination Wye And 1/8 Bend	399.16	146.80
			For Work In Restricted Working Space, Add	66.01	
			For Below Ground Installation, Add	11.00	
22 13 16 00-0342	EA		8" No Hub Cast Iron Combination Wye And 1/8 Bend	731.81	188.33
			For Work In Restricted Working Space, Add	84.71	
			For Below Ground Installation, Add	14.12	
22 13 16 00-0343	EA		10" No Hub Cast Iron Combination Wye And 1/8 Bend.....	857.40	227.69
			For Work In Restricted Working Space, Add	102.41	
			For Below Ground Installation, Add	17.07	
22 13 16 00-0344 No Hub Cast Iron Reducing Combination Wye And 1/8 Bends (22 13 16 00-0278)					
22 13 16 00-0345	EA		2" x 1-1/2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend.....	124.70	66.36
			For Work In Restricted Working Space, Add	29.85	
			For Below Ground Installation, Add	4.98	
22 13 16 00-0346	EA		3" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend.....	137.40	72.66
			For Work In Restricted Working Space, Add	32.69	
			For Below Ground Installation, Add	5.45	
22 13 16 00-0347	EA		4" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend.....	159.35	80.33
			For Work In Restricted Working Space, Add	36.13	
			For Below Ground Installation, Add	6.02	
22 13 16 00-0348	EA		4" x 3" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend.....	183.36	89.25
			For Work In Restricted Working Space, Add	40.15	
			For Below Ground Installation, Add	6.69	
22 13 16 00-0349	EA		6" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend.....	251.39	106.72
			For Work In Restricted Working Space, Add	48.02	
			For Below Ground Installation, Add	8.00	
22 13 16 00-0350	EA		6" x 3" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend.....	282.85	111.56
			For Work In Restricted Working Space, Add	50.16	
			For Below Ground Installation, Add	8.36	
22 13 16 00-0351	EA		6" x 4" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend.....	314.23	130.37
			For Work In Restricted Working Space, Add	58.62	
			For Below Ground Installation, Add	9.77	
22 13 16 00-0352	EA		8" x 4" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend.....	432.89	131.76
			For Work In Restricted Working Space, Add	59.27	
			For Below Ground Installation, Add	9.88	
22 13 16 00-0353	EA		8" x 6" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend.....	569.22	144.83
			For Work In Restricted Working Space, Add	65.12	
			For Below Ground Installation, Add	10.85	
22 13 16 00-0354 No Hub Cast Iron Double Wyes (22 13 16 00-0278)					
22 13 16 00-0355	EA		2" No Hub Cast Iron Double Wye	155.93	82.49
			For Work In Restricted Working Space, Add	37.11	
			For Below Ground Installation, Add	6.18	
22 13 16 00-0356	EA		3" No Hub Cast Iron Double Wye	210.00	100.47
			For Work In Restricted Working Space, Add	45.17	
			For Below Ground Installation, Add	7.53	
22 13 16 00-0357	EA		4" No Hub Cast Iron Double Wye	286.97	109.84
			For Work In Restricted Working Space, Add	49.39	
			For Below Ground Installation, Add	8.23	
22 13 16 00-0358	EA		6" No Hub Cast Iron Double Wye	447.74	158.10
			For Work In Restricted Working Space, Add	71.09	
			For Below Ground Installation, Add	11.85	
22 13 16 00-0359	EA		8" No Hub Cast Iron Double Wye	890.51	213.19
			For Work In Restricted Working Space, Add	95.90	
			For Below Ground Installation, Add	15.98	
22 13 16 00-0360 No Hub Cast Iron Reducing Double Wyes (22 13 16 00-0278)					
22 13 16 00-0361	EA		3" x 2" No Hub Cast Iron Double Wye	188.00	91.42
			For Work In Restricted Working Space, Add	41.11	
			For Below Ground Installation, Add	6.85	

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
22 13 16 00-0362	EA 4" x 2" No Hub Cast Iron Double Wye <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	226.32 47.35 7.89		105.27	
22 13 16 00-0363	EA 4" x 3" No Hub Cast Iron Double Wye <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	249.31 51.62 8.60		114.76	
22 13 16 00-0364	EA 6" x 4" No Hub Cast Iron Double Wye <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	379.91 62.69 10.45		139.39	
22 13 16 00-0365 No Hub Cast Iron Double Combination Wye And 1/8 Bends (22 13 16 00-0278)					
22 13 16 00-0366	EA 2" No Hub Cast Iron Double Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	205.09 44.58 7.43		99.09	
22 13 16 00-0367	EA 3" No Hub Cast Iron Double Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	252.15 49.39 8.23		109.84	
22 13 16 00-0368	EA 4" No Hub Cast Iron Double Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	385.08 65.39 10.90		145.43	
22 13 16 00-0369	EA 6" No Hub Cast Iron Double Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	531.67 100.96 16.83		224.49	
22 13 16 00-0370 No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bends (22 13 16 00-0278)					
22 13 16 00-0371	EA 3" x 2" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	193.39 38.35 6.39		85.24	
22 13 16 00-0372	EA 4" x 2" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	224.12 44.58 7.43		99.09	
22 13 16 00-0373	EA 4" x 3" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	272.07 48.69 8.12		108.24	
22 13 16 00-0374 No Hub Cast Iron Sanitary Tees (22 13 16 00-0278)					
22 13 16 00-0375	EA 1-1/2" No Hub Cast Iron Sanitary Tee <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	93.64 21.59 3.60		47.95	
22 13 16 00-0376	EA 2" No Hub Cast Iron Sanitary Tee <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	123.77 29.85 4.98		66.36	
22 13 16 00-0377	EA 3" No Hub Cast Iron Sanitary Tee <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	137.97 32.69 5.45		72.66	
22 13 16 00-0378	EA 4" No Hub Cast Iron Sanitary Tee <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	188.40 42.91 7.15		95.43	
22 13 16 00-0379	EA 5" No Hub Cast Iron Sanitary Tee <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	270.53 47.52 7.92		105.65	
22 13 16 00-0380	EA 6" No Hub Cast Iron Sanitary Tee <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	318.67 56.42 9.40		125.42	
22 13 16 00-0381	EA 8" No Hub Cast Iron Sanitary Tee <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	632.62 75.35 12.56		167.58	
22 13 16 00-0382 No Hub Cast Iron Reducing Sanitary Tees (22 13 16 00-0278)					
22 13 16 00-0383	EA 2" x 1-1/2" No Hub Cast Iron Reducing Sanitary Tee <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	105.42 24.35 4.06		54.12	
22 13 16 00-0384	EA 3" x 1-1/2" No Hub Cast Iron Reducing Sanitary Tee <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	121.88 28.49 4.75		63.39	
22 13 16 00-0385	EA 3" x 2" No Hub Cast Iron Reducing Sanitary Tee <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	126.42 29.85 4.98		66.36	
22 13 16 00-0386	EA 3" x 4" No Hub Cast Iron Reducing Sanitary Tee <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	154.21 29.85 4.98		66.36	
22 13 16 00-0387	EA 4" x 2" No Hub Cast Iron Reducing Sanitary Tee <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	169.14 40.38 6.73		89.82	
22 13 16 00-0388	EA 4" x 3" No Hub Cast Iron Reducing Sanitary Tee <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	175.89 40.38 6.73		89.82	
22 13 16 00-0389	EA 5" x 2" No Hub Cast Iron Reducing Sanitary Tee <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	230.66 45.14 7.52		100.38	
22 13 16 00-0390	EA 5" x 3" No Hub Cast Iron Reducing Sanitary Tee <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	240.07 45.14 7.52		100.38	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0391	EA	5" x 4" No Hub Cast Iron Reducing Sanitary Tee <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	241.22 45.14 7.52	100.38
22 13 16 00-0392	EA	6" x 4" No Hub Cast Iron Reducing Sanitary Tee <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	250.14 47.02 7.84	104.58
22 13 16 00-0393	EA	8" x 6" No Hub Cast Iron Reducing Sanitary Tee <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	496.07 63.55 10.59	141.32
22 13 16 00-0394 No Hub Cast Iron Sanitary Tapped Tees (22 13 16 00-0278)				
22 13 16 00-0395	EA	2" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	73.03 14.61 2.43	32.49
22 13 16 00-0396	EA	3" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	85.03 16.74 2.79	37.18
22 13 16 00-0397	EA	4" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	103.69 22.15 3.69	49.21
22 13 16 00-0398 No Hub Cast Iron Cleanout Tees (22 13 16 00-0278)				
22 13 16 00-0399	EA	2" No Hub Cast Iron Cleanout Tee <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	68.79 14.61 2.43	32.49
22 13 16 00-0400	EA	3" No Hub Cast Iron Cleanout Tee <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	88.12 16.74 2.79	37.18
22 13 16 00-0401	EA	4" No Hub Cast Iron Cleanout Tee <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	130.61 22.15 3.69	49.21
22 13 16 00-0402	EA	6" No Hub Cast Iron Cleanout Tee <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	219.75 32.69 5.45	72.66
22 13 16 00-0403 No Hub Cast Iron Two-Way Cleanout Tees (22 13 16 00-0278)				
22 13 16 00-0404	EA	4" No Hub Cast Iron Single Two-Way Cleanout Tee <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	305.19 42.91 7.15	95.43
22 13 16 00-0405	EA	4" No Hub Cast Iron Double Two-Way Cleanout Tee <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	367.97 65.22 10.87	144.97
22 13 16 00-0406 No Hub Cast Iron Cleanout Plugs (22 13 16 00-0278)				
22 13 16 00-0407	EA	2" No Hub Cast Iron Cleanout Plug <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	57.23 14.61 2.43	32.49
22 13 16 00-0408	EA	3" No Hub Cast Iron Cleanout Plug <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	69.24 16.74 2.79	37.18
22 13 16 00-0409	EA	4" No Hub Cast Iron Cleanout Plug <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	99.31 22.15 3.69	49.21
22 13 16 00-0410	EA	6" No Hub Cast Iron Cleanout Plug <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	156.57 32.69 5.45	72.66
22 13 16 00-0411	EA	8" No Hub Cast Iron Cleanout Plug <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	208.43 42.91 7.15	95.43
22 13 16 00-0412 No Hub Cast Iron Sanitary Crosses (22 13 16 00-0278)				
22 13 16 00-0413	EA	1-1/2" No Hub Cast Iron Sanitary Cross <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	125.45 28.85 4.81	64.08
22 13 16 00-0414	EA	2" No Hub Cast Iron Sanitary Cross <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	136.11 29.85 4.98	66.36
22 13 16 00-0415	EA	3" No Hub Cast Iron Sanitary Cross <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	166.62 32.69 5.45	72.66
22 13 16 00-0416	EA	4" No Hub Cast Iron Sanitary Cross <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	251.37 42.91 7.15	95.43
22 13 16 00-0417 No Hub Cast Iron Reducing Sanitary Crosses (22 13 16 00-0278)				
22 13 16 00-0418	EA	3" x 2" No Hub Cast Iron Sanitary Cross <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	179.65 38.34 6.39	85.24
22 13 16 00-0419	EA	4" x 2" No Hub Cast Iron Sanitary Cross <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	204.81 39.47 6.58	87.76

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
22 13 16 00-0420	EA 4" x 3" No Hub Cast Iron Sanitary Cross	225.71		91.66	
	For Work In Restricted Working Space, Add	41.20			
	For Below Ground Installation, Add	6.87			
22 13 16 00-0421 No Hub Cast Iron Reducers (22 13 16 00-0278)					
22 13 16 00-0422	EA 3" x 2" No Hub Cast Iron Reducer	111.78		66.36	
	For Work In Restricted Working Space, Add	29.85			
	For Below Ground Installation, Add	4.98			
22 13 16 00-0423	EA 4" x 2" No Hub Cast Iron Reducer	153.35		89.82	
	For Work In Restricted Working Space, Add	40.38			
	For Below Ground Installation, Add	6.73			
22 13 16 00-0424	EA 4" x 3" No Hub Cast Iron Reducer	153.92		89.82	
	For Work In Restricted Working Space, Add	40.38			
	For Below Ground Installation, Add	6.73			
22 13 16 00-0425	EA 5" x 2" No Hub Cast Iron Reducer	177.97		100.38	
	For Work In Restricted Working Space, Add	45.14			
	For Below Ground Installation, Add	7.52			
22 13 16 00-0426	EA 5" x 3" No Hub Cast Iron Reducer	181.77		100.38	
	For Work In Restricted Working Space, Add	45.14			
	For Below Ground Installation, Add	7.52			
22 13 16 00-0427	EA 5" x 4" No Hub Cast Iron Reducer	183.28		100.38	
	For Work In Restricted Working Space, Add	45.14			
	For Below Ground Installation, Add	7.52			
22 13 16 00-0428	EA 6" x 3" No Hub Cast Iron Reducer	214.65		111.56	
	For Work In Restricted Working Space, Add	50.16			
	For Below Ground Installation, Add	8.36			
22 13 16 00-0429	EA 6" x 4" No Hub Cast Iron Reducer	215.22		111.56	
	For Work In Restricted Working Space, Add	50.16			
	For Below Ground Installation, Add	8.36			
22 13 16 00-0430	EA 6" x 5" No Hub Cast Iron Reducer	216.94		111.56	
	For Work In Restricted Working Space, Add	50.16			
	For Below Ground Installation, Add	8.36			
22 13 16 00-0431	EA 8" x 2" No Hub Cast Iron Reducer	297.69		156.37	
	For Work In Restricted Working Space, Add	70.33			
	For Below Ground Installation, Add	11.72			
22 13 16 00-0432	EA 8" x 3" No Hub Cast Iron Reducer	302.07		156.37	
	For Work In Restricted Working Space, Add	70.33			
	For Below Ground Installation, Add	11.72			
22 13 16 00-0433	EA 8" x 4" No Hub Cast Iron Reducer	309.11		156.37	
	For Work In Restricted Working Space, Add	70.33			
	For Below Ground Installation, Add	11.72			
22 13 16 00-0434	EA 8" x 5" No Hub Cast Iron Reducer	316.43		156.37	
	For Work In Restricted Working Space, Add	70.33			
	For Below Ground Installation, Add	11.72			
22 13 16 00-0435	EA 8" x 6" No Hub Cast Iron Reducer	317.29		156.37	
	For Work In Restricted Working Space, Add	70.33			
	For Below Ground Installation, Add	11.72			
22 13 16 00-0436	EA 10" x 4" No Hub Cast Iron Reducer	383.08		164.95	
	For Work In Restricted Working Space, Add	74.18			
	For Below Ground Installation, Add	12.36			
22 13 16 00-0437	EA 10" x 6" No Hub Cast Iron Reducer	410.45		172.19	
	For Work In Restricted Working Space, Add	77.48			
	For Below Ground Installation, Add	12.91			
22 13 16 00-0438	EA 10" x 8" No Hub Cast Iron Reducer	462.58		186.93	
	For Work In Restricted Working Space, Add	84.07			
	For Below Ground Installation, Add	14.01			
22 13 16 00-0439 No Hub Cast Iron Blind Plugs (22 13 16 00-0278)					
22 13 16 00-0440	EA 1-1/2" No Hub Cast Iron Blind Plug.....	30.39		15.58	
	For Work In Restricted Working Space, Add	7.01			
	For Below Ground Installation, Add	1.17			
22 13 16 00-0441	EA 2" No Hub Cast Iron Blind Plug.....	31.10		16.25	
	For Work In Restricted Working Space, Add	7.31			
	For Below Ground Installation, Add	1.22			
22 13 16 00-0442	EA 3" No Hub Cast Iron Blind Plug.....	39.90		18.65	
	For Work In Restricted Working Space, Add	8.37			
	For Below Ground Installation, Add	1.40			
22 13 16 00-0443	EA 4" No Hub Cast Iron Blind Plug.....	52.96		24.60	
	For Work In Restricted Working Space, Add	11.06			
	For Below Ground Installation, Add	1.84			
22 13 16 00-0444	EA 5" No Hub Cast Iron Blind Plug.....	71.24		27.63	
	For Work In Restricted Working Space, Add	12.41			
	For Below Ground Installation, Add	2.07			
22 13 16 00-0445	EA 6" No Hub Cast Iron Blind Plug.....	78.73		32.35	
	For Work In Restricted Working Space, Add	14.57			
	For Below Ground Installation, Add	2.43			
22 13 16 00-0446	EA 8" No Hub Cast Iron Blind Plug.....	157.88		41.86	
	For Work In Restricted Working Space, Add	18.83			
	For Below Ground Installation, Add	3.14			
22 13 16 00-0447	EA 10" No Hub Cast Iron Blind Plug.....	204.35		45.06	
	For Work In Restricted Working Space, Add	20.27			
	For Below Ground Installation, Add	3.38			
22 13 16 00-0448 No Hub Cast Iron P-Traps (22 13 16 00-0278)					

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0449	EA		2" No Hub Cast Iron P-Trap..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	73.60 14.61 2.43	32.49
22 13 16 00-0450	EA		3" No Hub Cast Iron P-Trap..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	112.60 16.74 2.79	37.18
22 13 16 00-0451	EA		4" No Hub Cast Iron P-Trap..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	172.46 22.15 3.69	49.21
22 13 16 00-0452	EA		5" No Hub Cast Iron P-Trap..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	307.69 24.59 4.10	54.71
22 13 16 00-0453	EA		6" No Hub Cast Iron P-Trap..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	323.74 29.34 4.89	65.24
22 13 16 00-0454 No Hub Cast Iron Deep Seal P-Traps (22 13 16 00-0278)					
22 13 16 00-0455	EA		2" No Hub Cast Iron Deep Seal P-Trap..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	121.29 18.56 3.09	41.30
22 13 16 00-0456	EA		3" No Hub Cast Iron Deep Seal P-Trap..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	177.16 24.70 4.12	54.92
22 13 16 00-0457	EA		4" No Hub Cast Iron Deep Seal P-Trap..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	260.90 32.61 5.44	72.54
22 13 16 00-0458 No Hub Cast Iron Closet Flanges (22 13 16 00-0278)					
22 13 16 00-0459	EA		4" No Hub Cast Iron Closet Flange..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	113.31 22.15 3.69	49.21
22 13 16 00-0460	EA		4" x 2-1/2" No Hub Cast Iron Offset Closet Flange..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	121.50 22.15 3.69	49.21
22 13 16 00-0461 No Hub Cast Iron Closet Bends (22 13 16 00-0278)					
22 13 16 00-0462	EA		4" x 16" No Hub Cast Iron Closet Bend..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	228.39 22.15 3.69	49.21
22 13 16 00-0463 No Hub Cast Iron Threaded Adapter (22 13 16 00-0278)					
22 13 16 00-0464	EA		1-1/4" No Hub Cast Iron Threaded Adapter..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	83.24 18.56 3.09	41.30
22 13 16 00-0465	EA		1-1/2" No Hub Cast Iron Threaded Adapter..... <i>For Work In Restricted Working Space, Add</i> <i>For Below Ground Installation, Add</i>	89.85 18.56 3.09	41.30
22 13 16 00-0466 No Hub Couplings (22 13 16 00-0278)					
Note: Includes stainless steel shield/clamps assembly with elastomeric gasket, ASTM C 564. (Fernco NH). Labor costs are included in the installation costs for fittings.					
22 13 16 00-0467	EA		1-1/2" No Hub Coupling..... <i>For Medium Duty (Fernco MD-2000), Add</i> <i>For Heavy-Duty (Fernco HD-4000), Add</i>	8.16 1.06 2.20	
22 13 16 00-0468	EA		2" No Hub Coupling..... <i>For Medium Duty (Fernco MD-2000), Add</i> <i>For Heavy-Duty (Fernco HD-4000), Add</i>	8.16 1.06 2.20	
22 13 16 00-0469	EA		3" No Hub Coupling..... <i>For Medium Duty (Fernco MD-2000), Add</i> <i>For Heavy-Duty (Fernco HD-4000), Add</i>	9.69 1.26 2.62	
22 13 16 00-0470	EA		4" No Hub Coupling..... <i>For Medium Duty (Fernco MD-2000), Add</i> <i>For Heavy-Duty (Fernco HD-4000), Add</i>	11.50 1.50 3.11	
22 13 16 00-0471	EA		5" No Hub Coupling..... <i>For Medium Duty (Fernco MD-2000), Add</i> <i>For Heavy-Duty (Fernco HD-4000), Add</i>	26.59 3.46 7.18	
22 13 16 00-0472	EA		6" No Hub Coupling..... <i>For Medium Duty (Fernco MD-2000), Add</i> <i>For Heavy-Duty (Fernco HD-4000), Add</i>	29.22 3.80 7.89	
22 13 16 00-0473	EA		8" No Hub Coupling..... <i>For Medium Duty (Fernco MD-2000), Add</i> <i>For Heavy-Duty (Fernco HD-4000), Add</i>	55.04 7.16 14.86	
22 13 16 00-0474	EA		10" No Hub Coupling..... <i>For Medium Duty (Fernco MD-2000), Add</i> <i>For Heavy-Duty (Fernco HD-4000), Add</i>	75.83 9.86 20.47	
22 13 16 00-0475	EA		2" x 1-1/2" No Hub Reducing Coupling.....	9.69	
22 13 16 00-0476	EA		3" x 2" No Hub Reducing Coupling.....	15.02	
22 13 16 00-0477	EA		4" x 2" No Hub Reducing Coupling.....	20.96	
22 13 16 00-0478	EA		4" x 3" No Hub Reducing Coupling.....	17.86	

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 13 16 00-0479		Cast Iron Mechanical Joint Couplings With Neoprene Gasket And Bolts (22 13 16 00-0278)	
		Note: For underground connections. Labor costs are included in the installation costs for fittings. See CSI section 22 13 16 00-0870 for additional FERNCO couplings.	
22 13 16 00-0480	EA	1-1/2" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	47.29
22 13 16 00-0481	EA	2" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	48.82
22 13 16 00-0482	EA	3" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	51.26
22 13 16 00-0483	EA	4" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	59.80
22 13 16 00-0484	EA	5" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	112.90
22 13 16 00-0485	EA	6" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	155.00
22 13 16 00-0486	EA	8" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	271.56
22 13 16 00-0487	EA	10" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	414.97

22 13 16 00-0488		Cut And Prepare Existing Pipe In-Place (22 13 16 00-0268)	
		Note: For use when connecting pipe to an existing in-place system.	
22 13 16 00-0489	EA	Cut And Prepare 1-1/2" Cast Iron Pipe, No Hub.....	11.18
		For Work In Restricted Working Space, Add.....	3.35
22 13 16 00-0490	EA	Cut And Prepare 2" Cast Iron Pipe, No Hub.....	13.67
		For Work In Restricted Working Space, Add.....	4.10
22 13 16 00-0491	EA	Cut And Prepare 3" Cast Iron Pipe, No Hub.....	14.92
		For Work In Restricted Working Space, Add.....	4.48
22 13 16 00-0492	EA	Cut And Prepare 4" Cast Iron Pipe, No Hub.....	18.64
		For Work In Restricted Working Space, Add.....	5.59
22 13 16 00-0493	EA	Cut And Prepare 6" Cast Iron Pipe, No Hub.....	22.36
		For Work In Restricted Working Space, Add.....	6.71
22 13 16 00-0494	EA	Cut And Prepare 8" Cast Iron Pipe, No Hub.....	29.82
		For Work In Restricted Working Space, Add.....	8.95
22 13 16 00-0495	EA	Cut And Prepare 10" Cast Iron Pipe, No Hub.....	34.79
		For Work In Restricted Working Space, Add.....	10.44

22 13 16 00-0496		Copper Drain-Waste-Vent (DWV) Pipe (22 13 16 00-0451)	
		See CSI section 22 11 16 00-0451 for copper and brass fittings.	
22 13 16 00-0497	LF	1-1/4" Hard Drawn DWV Copper Tube/Pipe.....	17.86
22 13 16 00-0498	LF	1-1/2" Hard Drawn DWV Copper Tube/Pipe.....	21.30
22 13 16 00-0499	LF	2" Hard Drawn DWV Copper Tube/Pipe.....	27.42
22 13 16 00-0500	LF	3" Hard Drawn DWV Copper Tube/Pipe.....	59.20
22 13 16 00-0501	LF	4" Hard Drawn DWV Copper Tube/Pipe.....	82.50
22 13 16 00-0502	LF	5" Hard Drawn DWV Copper Tube/Pipe.....	161.47
22 13 16 00-0503	LF	6" Hard Drawn DWV Copper Tube/Pipe.....	230.41
			5.38
			6.00
			7.41
			10.26
			11.58
			13.29
			20.61

22 13 16 00-0504		Polyvinyl Chloride (PVC) Drain-Waste-Vent (DWV) Pipe And Fittings (22 13 16 00-0500)	
		Note: Aboveground installation. See CSI section 33 31 11 00-0002 for underground installation.	
22 13 16 00-0505		Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assemblies (22 13 16 00-0504)	
22 13 16 00-0506		Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assemblies (22 13 16 00-0505)	
		Note: Includes all fittings. Fittings are assumed every 20'. Excludes excavation, backfill and compaction. Not for use where detail is available. Not for use where detail is available.	
22 13 16 00-0507	LF	1-1/2" Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	13.92
		Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	
		For Work In Restricted Working Space, Add.....	2.68
22 13 16 00-0508	LF	2" Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	16.72
		Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	
		For Work In Restricted Working Space, Add.....	3.26
22 13 16 00-0509	LF	3" Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	27.80
		Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	
		For Work In Restricted Working Space, Add.....	4.61
22 13 16 00-0510	LF	4" Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	36.19
		Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	
		For Work In Restricted Working Space, Add.....	5.08
22 13 16 00-0511	LF	6" Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	65.96
		Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	
		For Work In Restricted Working Space, Add.....	6.54
22 13 16 00-0512	LF	8" Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	94.70
		Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	
		For Work In Restricted Working Space, Add.....	8.74
22 13 16 00-0513	LF	10" Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	137.78
		Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	
		For Work In Restricted Working Space, Add.....	11.66

22 13 16 00-0514		Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assemblies (22 13 16 00-0505)	
		Note: Includes all hangers and couplings, elbow, tee and reducer fittings. All hangers are complete assemblies installed in accordance with uniform plumbing code. Not for use where detail is available.	
22 13 16 00-0515	LF	1-1/2" Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	27.95
		Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	4.80
		For Work In Restricted Working Space, Add.....	5.51

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0516	LF	2" Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	31.40	5.72
		<i>For Work In Restricted Working Space, Add</i>	6.12	
22 13 16 00-0517	LF	3" Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	45.02	8.24
		<i>For Work In Restricted Working Space, Add</i>	7.61	
22 13 16 00-0518	LF	4" Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	57.16	8.92
		<i>For Work In Restricted Working Space, Add</i>	8.31	
22 13 16 00-0519	LF	6" Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	90.28	11.44
		<i>For Work In Restricted Working Space, Add</i>	10.65	
22 13 16 00-0520	LF	8" Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	120.01	15.21
		<i>For Work In Restricted Working Space, Add</i>	12.20	
22 13 16 00-0521	LF	10" Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	168.93	20.37
		<i>For Work In Restricted Working Space, Add</i>	15.90	
22 13 16 00-0522		Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe (22 13 16 00-0504) Note: Excludes fittings or hangers.		
22 13 16 00-0523		Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe (ASTM D-2665) (22 13 16 00-0522) Note: Excludes fittings or hangers.		
22 13 16 00-0524	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe <i>For Work In Restricted Working Space, Add</i>	10.63 2.15	4.80
22 13 16 00-0525	LF	2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe <i>For Work In Restricted Working Space, Add</i>	13.13 2.57	5.72
22 13 16 00-0526	LF	3" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe <i>For Work In Restricted Working Space, Add</i>	21.45 3.69	8.24
22 13 16 00-0527	LF	4" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe <i>For Work In Restricted Working Space, Add</i>	26.26 4.01	8.92
22 13 16 00-0528	LF	6" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe <i>For Work In Restricted Working Space, Add</i>	39.12 4.83	10.74
22 13 16 00-0529	LF	8" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe <i>For Work In Restricted Working Space, Add</i>	56.43 6.45	14.29
22 13 16 00-0530	LF	10" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe <i>For Work In Restricted Working Space, Add</i>	82.17 8.60	19.13
22 13 16 00-0531		Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe (ASTM F-891) (22 13 16 00-0522) Note: Excludes fittings or hangers.		
22 13 16 00-0532	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	9.59 2.15	4.80
22 13 16 00-0533	LF	2" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	11.90 2.57	5.72
22 13 16 00-0534	LF	3" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	19.11 3.69	8.24
22 13 16 00-0535	LF	4" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	23.16 4.01	8.92
22 13 16 00-0536	LF	6" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	33.36 4.83	10.74
22 13 16 00-0537	LF	8" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	48.32 6.45	14.29
22 13 16 00-0538	LF	10" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	73.35 8.60	19.13
22 13 16 00-0539		Polyvinyl Chloride (PVC) DWV Fittings (ASTM D-2665) (22 13 16 00-0539)		
22 13 16 00-0540		Polyvinyl Chloride (PVC) DWV 1/4 Bends (22 13 16 00-0539)		
22 13 16 00-0541	EA	1-1/2" Polyvinyl Chloride (PVC) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	36.89 8.58	19.11
22 13 16 00-0542	EA	2" Polyvinyl Chloride (PVC) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	47.12 10.98	24.38
22 13 16 00-0543	EA	3" Polyvinyl Chloride (PVC) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	81.85 14.76	32.72
22 13 16 00-0544	EA	4" Polyvinyl Chloride (PVC) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	126.46 17.16	38.10
22 13 16 00-0545	EA	6" Polyvinyl Chloride (PVC) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	495.78 22.31	49.55
22 13 16 00-0546	EA	8" Polyvinyl Chloride (PVC) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	821.95 30.04	66.71
22 13 16 00-0547	EA	10" Polyvinyl Chloride (PVC) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	1,085.16 40.04	88.91
22 13 16 00-0548		Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends (22 13 16 00-0539)		
22 13 16 00-0549	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	60.13 8.58	19.11

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
22 13 16 00-0550	EA 2" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	60.49 10.98	24.38		
22 13 16 00-0551	EA 3" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	116.23 14.76	32.72		
22 13 16 00-0552	EA 4" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	189.51 17.16	38.10		
22 13 16 00-0553	EA 6" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	374.00 22.31	49.55		
22 13 16 00-0554	EA 8" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	661.91 30.04	66.71		
22 13 16 00-0555	EA 10" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	1,082.29 40.04	88.91		
22 13 16 00-0556 Polyvinyl Chloride (PVC) DWV 1/8 Bends (22 13 16 00-0539)					
22 13 16 00-0557	EA 1-1/2" Polyvinyl Chloride (PVC) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	38.80 8.58	19.11		
22 13 16 00-0558	EA 2" Polyvinyl Chloride (PVC) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	46.96 10.98	24.38		
22 13 16 00-0559	EA 3" Polyvinyl Chloride (PVC) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	78.98 14.76	32.72		
22 13 16 00-0560	EA 4" Polyvinyl Chloride (PVC) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	112.45 17.16	38.10		
22 13 16 00-0561	EA 6" Polyvinyl Chloride (PVC) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	460.12 22.31	49.55		
22 13 16 00-0562	EA 8" Polyvinyl Chloride (PVC) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	739.07 30.04	66.71		
22 13 16 00-0563	EA 10" Polyvinyl Chloride (PVC) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	841.34 40.04	88.91		
22 13 16 00-0564 Polyvinyl Chloride (PVC) DWV Sanitary Tees (22 13 16 00-0539)					
22 13 16 00-0565	EA 1-1/2" Polyvinyl Chloride (PVC) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	57.72 12.87	28.61		
22 13 16 00-0566	EA 2" Polyvinyl Chloride (PVC) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	76.09 16.48	36.61		
22 13 16 00-0567	EA 3" Polyvinyl Chloride (PVC) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	130.16 22.14	49.21		
22 13 16 00-0568	EA 4" Polyvinyl Chloride (PVC) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	193.28 25.75	57.21		
22 13 16 00-0569	EA 6" Polyvinyl Chloride (PVC) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	736.61 33.47	74.26		
22 13 16 00-0570	EA 8" Polyvinyl Chloride (PVC) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	958.21 45.05	100.00		
22 13 16 00-0571 Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees (22 13 16 00-0539)					
22 13 16 00-0572	EA 2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	73.66 14.07	31.23		
22 13 16 00-0573	EA 2" x 1-1/2" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	87.86 15.28	33.87		
22 13 16 00-0574	EA 2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	72.09 15.28	33.87		
22 13 16 00-0575	EA 3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	106.64 19.05	42.34		
22 13 16 00-0576	EA 3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	108.58 20.25	44.97		
22 13 16 00-0577	EA 4" x 4" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	129.47 21.46	47.59		
22 13 16 00-0578	EA 4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	221.19 22.66	50.34		
22 13 16 00-0579	EA 4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	279.85 24.54	54.46		
22 13 16 00-0580	EA 6" x 6" x 4" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	707.46 30.89	68.54		
22 13 16 00-0581	EA 8" x 8" x 4" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	2,232.86 38.62	85.70		
22 13 16 00-0582	EA 8" x 8" x 6" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	2,309.29 41.19	91.42		
22 13 16 00-0583 Polyvinyl Chloride (PVC) DWV Double Sanitary Tees (22 13 16 00-0539)					
22 13 16 00-0584	EA 1-1/2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	101.79 17.16	38.10		
22 13 16 00-0585	EA 2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	138.50 21.97	48.74		
22 13 16 00-0586	EA 3" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	281.48 29.52	65.57		
22 13 16 00-0587	EA 4" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	408.78 34.33	76.20		
22 13 16 00-0588 Polyvinyl Chloride (PVC) DWV Reducing Double Sanitary Tees (22 13 16 00-0539)					
22 13 16 00-0589	EA 2" x 2" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	124.21 19.56	43.48		
22 13 16 00-0590	EA 3" x 3" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	216.39 23.34	51.83		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0591	EA	3" x 3" x 2" x 2"	Polyvinyl Chloride (PVC) DWV Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	250.02 25.75	57.21
22 13 16 00-0592	EA	4" x 4" x 2" x 2"	Polyvinyl Chloride (PVC) DWV Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	455.43 28.15	62.48
22 13 16 00-0593	EA	4" x 4" x 3" x 3"	Polyvinyl Chloride (PVC) DWV Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	477.95 31.93	70.82
22 13 16 00-0594 Polyvinyl Chloride (PVC) DWV Reducers (22 13 16 00-0539)					
22 13 16 00-0595	EA	2" x 1-1/2"	Polyvinyl Chloride (PVC) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	49.17 9.78	21.74
22 13 16 00-0596	EA	3" x 1-1/2"	Polyvinyl Chloride (PVC) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	91.77 11.67	25.86
22 13 16 00-0597	EA	3" x 2"	Polyvinyl Chloride (PVC) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	87.17 12.87	28.61
22 13 16 00-0598	EA	4" x 2"	Polyvinyl Chloride (PVC) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	134.47 14.07	31.23
22 13 16 00-0599	EA	4" x 3"	Polyvinyl Chloride (PVC) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	144.74 15.96	35.47
22 13 16 00-0600	EA	6" x 3"	Polyvinyl Chloride (PVC) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	524.26 18.54	41.19
22 13 16 00-0601	EA	6" x 4"	Polyvinyl Chloride (PVC) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	437.20 19.74	43.82
22 13 16 00-0602	EA	8" x 4"	Polyvinyl Chloride (PVC) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	1,097.81 23.60	52.41
22 13 16 00-0603	EA	8" x 6"	Polyvinyl Chloride (PVC) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	925.76 26.18	58.13
22 13 16 00-0604	EA	10" x 6"	Polyvinyl Chloride (PVC) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	1,245.23 31.18	69.22
22 13 16 00-0605	EA	10" x 8"	Polyvinyl Chloride (PVC) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	973.00 35.04	77.81
22 13 16 00-0606 Polyvinyl Chloride (PVC) DWV P-Traps (22 13 16 00-0539)					
22 13 16 00-0607	EA	1-1/2"	Polyvinyl Chloride (PVC) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	71.89 12.87	28.61
22 13 16 00-0608	EA	2"	Polyvinyl Chloride (PVC) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	94.40 16.48	36.61
22 13 16 00-0609	EA	3"	Polyvinyl Chloride (PVC) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	270.41 22.14	49.21
22 13 16 00-0610	EA	4"	Polyvinyl Chloride (PVC) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	554.02 25.75	57.21
22 13 16 00-0611	EA	6"	Polyvinyl Chloride (PVC) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	939.40 33.47	74.26
22 13 16 00-0612 Polyvinyl Chloride (PVC) DWV Closet Flanges (22 13 16 00-0539)					
22 13 16 00-0613	EA	4"	Polyvinyl Chloride (PVC) DWV Closet Flanges <i>For Work In Restricted Working Space, Add</i>	112.77 17.16	38.10
22 13 16 00-0614	EA	4" x 3"	Polyvinyl Chloride (PVC) DWV Closet Flanges <i>For Work In Restricted Working Space, Add</i>	92.04 15.96	35.47
22 13 16 00-0615 Polyvinyl Chloride (PVC) DWV Wyes (22 13 16 00-0539)					
22 13 16 00-0616	EA	1-1/2"	Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	72.52 12.87	28.61
22 13 16 00-0617	EA	2"	Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	84.69 16.48	36.61
22 13 16 00-0618	EA	3"	Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	141.14 22.14	49.21
22 13 16 00-0619	EA	4"	Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	211.27 25.75	57.21
22 13 16 00-0620	EA	6"	Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	669.11 33.47	74.26
22 13 16 00-0621	EA	8"	Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	829.98 45.05	100.00
22 13 16 00-0622	EA	10"	Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	1,092.28 60.07	133.30
22 13 16 00-0623 Polyvinyl Chloride (PVC) DWV Reducing Wyes (22 13 16 00-0539)					
22 13 16 00-0624	EA	2" x 1-1/2" x 1-1/2"	Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	99.77 14.07	31.23
22 13 16 00-0625	EA	2" x 2" x 1-1/2"	Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	103.30 15.28	33.87
22 13 16 00-0626	EA	3" x 3" x 1-1/2"	Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	145.78 19.05	42.34
22 13 16 00-0627	EA	3" x 3" x 2"	Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	119.57 20.25	44.97
22 13 16 00-0628	EA	4" x 4" x 1-1/2"	Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	202.16 21.46	47.59
22 13 16 00-0629	EA	4" x 4" x 2"	Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	176.29 22.66	50.34
22 13 16 00-0630	EA	4" x 4" x 3"	Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	199.46 24.54	54.46
22 13 16 00-0631	EA	6" x 6" x 3"	Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	604.76 29.69	65.91

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
22 13 16 00-0632	EA 6" x 6" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	749.86 30.89		68.54	
22 13 16 00-0633	EA 8" x 8" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	711.38 38.62		85.70	
22 13 16 00-0634	EA 8" x 8" x 6" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	899.68 41.19		91.42	
22 13 16 00-0635	EA 10" x 10" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	818.54 48.63		107.90	
22 13 16 00-0636	EA 10" x 10" x 6" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	1,022.36 51.20		113.62	
22 13 16 00-0637	EA 10" x 10" x 8" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	1,191.13 55.06		122.20	
22 13 16 00-0638 Polyvinyl Chloride (PVC) DWV Double Wyes (22 13 16 00-0539)					
22 13 16 00-0639	EA 1-1/2" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	120.25 17.16		38.10	
22 13 16 00-0640	EA 2" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	154.26 21.97		48.74	
22 13 16 00-0641	EA 3" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	307.75 29.52		65.57	
22 13 16 00-0642	EA 4" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	538.84 34.33		76.20	
22 13 16 00-0643	EA 6" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	1,109.95 44.62		99.09	
22 13 16 00-0644	EA 8" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	1,285.06 60.07		133.41	
22 13 16 00-0645	EA 10" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	1,995.60 80.09		177.81	
22 13 16 00-0646 Polyvinyl Chloride (PVC) DWV Reducing Double Wyes (22 13 16 00-0539)					
22 13 16 00-0647	EA 2" x 2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	139.24 19.56		43.48	
22 13 16 00-0648	EA 3" x 3" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	261.50 23.34		51.83	
22 13 16 00-0649	EA 3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	241.68 25.75		57.21	
22 13 16 00-0650	EA 4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	348.24 28.15		62.48	
22 13 16 00-0651	EA 4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	442.49 31.93		70.82	
22 13 16 00-0652	EA 6" x 6" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	683.56 39.48		87.65	
22 13 16 00-0653	EA 8" x 8" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	800.06 47.20		104.80	
22 13 16 00-0654	EA 8" x 8" x 6" x 6" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	1,019.50 52.35		116.25	
22 13 16 00-0655	EA 10" x 10" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	1,076.84 57.21		127.01	
22 13 16 00-0656	EA 10" x 10" x 6" x 6" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	1,400.04 62.36		138.44	
22 13 16 00-0657	EA 10" x 10" x 8" x 8" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	1,693.92 70.08		155.61	
22 13 16 00-0658 Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends (22 13 16 00-0539)					
22 13 16 00-0659	EA 1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	90.99 12.87		28.61	
22 13 16 00-0660	EA 2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	113.50 16.48		36.61	
22 13 16 00-0661	EA 3" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	227.74 22.14		49.21	
22 13 16 00-0662	EA 4" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	405.49 25.75		57.21	
22 13 16 00-0663 Polyvinyl Chloride (PVC) DWV Reducing Combination Wye And 1/8 Bends (22 13 16 00-0539)					
22 13 16 00-0664	EA 2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	172.23 15.28		33.87	
22 13 16 00-0665	EA 3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	274.26 19.05		42.34	
22 13 16 00-0666	EA 3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	199.23 20.25		44.97	
22 13 16 00-0667	EA 4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	368.56 22.66		50.34	
22 13 16 00-0668	EA 4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	399.21 24.54		54.46	
22 13 16 00-0669 Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends (22 13 16 00-0539)					
22 13 16 00-0670	EA 1-1/2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	134.58 17.16		38.10	
22 13 16 00-0671	EA 2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	155.85 21.97		48.74	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0672	EA	3" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	242.00 29.52	65.57
22 13 16 00-0673	EA	4" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	870.94 34.33	76.20
22 13 16 00-0674	EA	6" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	2,895.28 44.62	99.09
22 13 16 00-0675 Polyvinyl Chloride (PVC) DWV Reducing Double Combination Wye And 1/8 Bends (22 13 16 00-0539)				
22 13 16 00-0676	EA	2" x 2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	318.37 19.56	43.48
22 13 16 00-0677	EA	3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	514.73 25.75	57.21
22 13 16 00-0678	EA	4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	893.18 28.15	62.48
22 13 16 00-0679	EA	4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	805.99 31.93	70.82
22 13 16 00-0680	EA	6" x 6" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	1,925.91 39.48	87.65
22 13 16 00-0681 Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug (22 13 16 00-0539)				
22 13 16 00-0682	EA	2" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	195.85 16.48	36.61
22 13 16 00-0683	EA	3" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	343.02 22.14	49.21
22 13 16 00-0684	EA	4" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	554.10 25.75	57.21
22 13 16 00-0685	EA	6" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	1,472.27 33.47	74.26
22 13 16 00-0686	EA	8" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	1,844.34 45.05	100.00
22 13 16 00-0687	EA	10" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	2,447.40 60.07	133.30
22 13 16 00-0688 Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug (22 13 16 00-0539)				
22 13 16 00-0689	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	52.97 8.58	19.11
22 13 16 00-0690	EA	2" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	75.93 10.98	24.38
22 13 16 00-0691	EA	3" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	109.71 14.76	32.72
22 13 16 00-0692	EA	4" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	199.37 17.16	38.10
22 13 16 00-0693	EA	6" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	464.58 22.31	49.55
22 13 16 00-0694	EA	8" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	1,051.59 30.04	66.71
22 13 16 00-0695	EA	10" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	1,943.42 40.02	88.91
22 13 16 00-0696 Polyvinyl Chloride (PVC) Couplings (22 13 16 00-0539)				
22 13 16 00-0697	EA	1-1/2" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	35.83 8.58	19.11
22 13 16 00-0698	EA	2" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	44.73 10.98	24.38
22 13 16 00-0699	EA	3" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	69.96 14.76	32.72
22 13 16 00-0700	EA	4" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	91.31 17.16	38.10
22 13 16 00-0701	EA	6" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	262.58 22.31	49.55
22 13 16 00-0702	EA	8" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	643.79 30.04	66.71
22 13 16 00-0703	EA	10" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	975.97 40.05	88.91
22 13 16 00-0704 Polyvinyl Chloride (PVC) Male Adapters (22 13 16 00-0539)				
22 13 16 00-0705	EA	1-1/2" Polyvinyl Chloride (PVC) Male Adapters <i>For Work In Restricted Working Space, Add</i>	21.61 4.29	9.49
22 13 16 00-0706	EA	2" Polyvinyl Chloride (PVC) Male Adapters <i>For Work In Restricted Working Space, Add</i>	36.27 5.49	12.24
22 13 16 00-0707	EA	3" Polyvinyl Chloride (PVC) Male Adapters <i>For Work In Restricted Working Space, Add</i>	74.44 7.38	16.36
22 13 16 00-0708	EA	4" Polyvinyl Chloride (PVC) Male Adapters <i>For Work In Restricted Working Space, Add</i>	142.83 8.58	19.11
22 13 16 00-0709 Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe (22 13 16 00-0504)				
Note: In place piping.				
22 13 16 00-0710	EA	1-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	8.38	
22 13 16 00-0711	EA	2", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	9.23	
22 13 16 00-0712	EA	3", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	11.74	

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 13 16 00-0713	EA	4", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe.....	15.84	
22 13 16 00-0714	EA	6", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe.....	22.64	
22 13 16 00-0715	EA	8", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe.....	30.19	
22 13 16 00-0716	EA	10", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe.....	36.92	

22 13 16 00-0717 Acrylonitrile Butadiene Styrene (ABS) Drain-Waste-Vent (DWV) Pipe And Fittings

 (22 13 16)
 Note: Aboveground installation.

22 13 16 00-0718 Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assemblies

 (22 13 16 00-0717)
 Note: Includes all hangers and couplings, elbow, tee and reducer fittings. All hangers are complete assemblies installed in accordance with uniform plumbing code. Not for use where detail is available.

22 13 16 00-0719	LF	1-1/2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly.....	29.23	4.80
		Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	6.58	
22 13 16 00-0720	LF	2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly.....	32.51	5.72
		Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	7.29	
22 13 16 00-0721	LF	3" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly.....	45.06	8.24
		Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	9.05	
22 13 16 00-0722	LF	4" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly.....	52.19	8.92
		Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	10.06	
22 13 16 00-0723	LF	6" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly.....	89.57	11.44
		Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	13.38	

22 13 16 00-0724 Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe (ASTM F-628)

 (22 13 16 00-0717)
 Note: Excludes fittings or hangers.

22 13 16 00-0725	LF	1-1/2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe.....	10.22	4.80
		<i>For Work In Restricted Working Space, Add</i>	2.15	
22 13 16 00-0726	LF	2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe.....	12.71	5.72
		<i>For Work In Restricted Working Space, Add</i>	2.57	
22 13 16 00-0727	LF	3" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe.....	20.84	8.24
		<i>For Work In Restricted Working Space, Add</i>	3.69	
22 13 16 00-0728	LF	4" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe.....	25.57	8.92
		<i>For Work In Restricted Working Space, Add</i>	4.01	
22 13 16 00-0729	LF	6" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe.....	40.99	10.74
		<i>For Work In Restricted Working Space, Add</i>	4.83	

22 13 16 00-0730 Acrylonitrile Butadiene Styrene (ABS) DWV Fittings (ASTM D-2661)

(22 13 16 00-0717)

22 13 16 00-0731 Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends

(22 13 16 00-0730)

22 13 16 00-0732	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends.....	41.70	19.11
		<i>For Work In Restricted Working Space, Add</i>	8.58	
22 13 16 00-0733	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends.....	55.27	24.38
		<i>For Work In Restricted Working Space, Add</i>	10.98	
22 13 16 00-0734	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends.....	106.81	32.72
		<i>For Work In Restricted Working Space, Add</i>	14.76	
22 13 16 00-0735	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends.....	170.06	38.10
		<i>For Work In Restricted Working Space, Add</i>	17.16	
22 13 16 00-0736	EA	6" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends.....	495.57	49.55
		<i>For Work In Restricted Working Space, Add</i>	22.31	

22 13 16 00-0737 Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends

(22 13 16 00-0730)

22 13 16 00-0738	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends.....	59.79	19.11
		<i>For Work In Restricted Working Space, Add</i>	8.58	
22 13 16 00-0739	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends.....	72.96	24.38
		<i>For Work In Restricted Working Space, Add</i>	10.98	
22 13 16 00-0740	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends.....	150.72	32.72
		<i>For Work In Restricted Working Space, Add</i>	14.76	
22 13 16 00-0741	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends.....	257.42	38.10
		<i>For Work In Restricted Working Space, Add</i>	17.16	

22 13 16 00-0742 Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends

(22 13 16 00-0730)

22 13 16 00-0743	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends.....	44.14	19.11
		<i>For Work In Restricted Working Space, Add</i>	8.58	
22 13 16 00-0744	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends.....	53.56	24.38
		<i>For Work In Restricted Working Space, Add</i>	10.98	
22 13 16 00-0745	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends.....	97.80	32.72
		<i>For Work In Restricted Working Space, Add</i>	14.76	
22 13 16 00-0746	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends.....	153.44	38.10
		<i>For Work In Restricted Working Space, Add</i>	17.16	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0747	EA		6" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	513.10 22.31	49.55
22 13 16 00-0748 Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees (22 13 16 00-0730)					
22 13 16 00-0749	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	65.19 12.87	28.61
22 13 16 00-0750	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	88.41 16.48	36.61
22 13 16 00-0751	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	159.15 22.14	49.21
22 13 16 00-0752	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	249.79 25.75	57.21
22 13 16 00-0753	EA		6" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	1,000.38 33.47	74.26
22 13 16 00-0754 Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees (22 13 16 00-0730)					
22 13 16 00-0755	EA		2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	82.44 14.07	31.23
22 13 16 00-0756	EA		2" x 1-1/2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	100.82 15.28	33.87
22 13 16 00-0757	EA		2" x 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	83.02 15.28	33.87
22 13 16 00-0758	EA		3" x 3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	128.69 19.05	42.34
22 13 16 00-0759	EA		3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	133.29 20.25	44.97
22 13 16 00-0760	EA		4" x 4" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	307.86 21.46	47.59
22 13 16 00-0761	EA		4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	296.13 22.66	50.34
22 13 16 00-0762	EA		4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	340.51 24.54	54.46
22 13 16 00-0763	EA		6" x 6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	1,096.73 30.89	68.54
22 13 16 00-0764 Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees (22 13 16 00-0730)					
22 13 16 00-0765	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	124.90 17.16	38.10
22 13 16 00-0766	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	171.99 21.97	48.74
22 13 16 00-0767	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	375.82 29.52	65.57
22 13 16 00-0768	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	559.05 34.33	76.20
22 13 16 00-0769 Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Sanitary Tees (22 13 16 00-0730)					
22 13 16 00-0770	EA		2" x 2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	141.99 19.56	43.48
22 13 16 00-0771	EA		3" x 3" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	219.20 23.34	51.83
22 13 16 00-0772	EA		3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	253.11 25.75	57.21
22 13 16 00-0773	EA		4" x 4" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	456.58 26.44	58.68
22 13 16 00-0774	EA		4" x 4" x 3" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	478.58 29.99	66.53
22 13 16 00-0775 Acrylonitrile Butadiene Styrene (ABS) DWV Wyes (22 13 16 00-0730)					
22 13 16 00-0776	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	87.77 12.87	28.61
22 13 16 00-0777	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	100.98 16.48	36.61
22 13 16 00-0778	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	175.74 22.14	49.21
22 13 16 00-0779	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	275.75 25.75	57.21
22 13 16 00-0780	EA		6" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	808.47 33.47	74.26
22 13 16 00-0781 Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes (22 13 16 00-0730)					
22 13 16 00-0782	EA		2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	126.95 14.07	31.23
22 13 16 00-0783	EA		2" x 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	130.14 15.28	33.87
22 13 16 00-0784	EA		3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	146.73 20.25	44.97
22 13 16 00-0785	EA		4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	228.12 22.66	50.34

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
22 13 16 00-0786	EA 4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	260.09 24.54		54.46	
22 13 16 00-0787	EA 6" x 6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	678.77 30.89		68.54	
22 13 16 00-0788 Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes (22 13 16 00-0730)					
22 13 16 00-0789	EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	152.62 17.16		38.10	
22 13 16 00-0790	EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	195.96 21.97		48.74	
22 13 16 00-0791	EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	415.68 29.52		65.57	
22 13 16 00-0792	EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	757.13 34.33		76.20	
22 13 16 00-0793 Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Wyes (22 13 16 00-0730)					
22 13 16 00-0794	EA 2" x 2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	177.30 19.56		43.48	
22 13 16 00-0795	EA 3" x 3" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	301.61 23.34		51.83	
22 13 16 00-0796	EA 3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	321.37 25.75		57.21	
22 13 16 00-0797	EA 4" x 4" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	479.17 28.15		62.48	
22 13 16 00-0798	EA 4" x 4" x 3" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	615.42 31.93		70.82	
22 13 16 00-0799 Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bend (22 13 16 00-0730)					
22 13 16 00-0800	EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	114.57 12.87		28.61	
22 13 16 00-0801	EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	148.05 16.48		36.61	
22 13 16 00-0802	EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	227.24 22.14		49.21	
22 13 16 00-0803	EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	381.83 24.18		53.74	
22 13 16 00-0804 Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Combination Wye And 1/8 Bend (22 13 16 00-0730)					
22 13 16 00-0805	EA 2" x 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	126.34 15.28		33.87	
22 13 16 00-0806	EA 3" x 3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	242.08 19.05		42.34	
22 13 16 00-0807	EA 3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	179.11 20.25		44.97	
22 13 16 00-0808	EA 4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	324.10 22.66		50.34	
22 13 16 00-0809	EA 4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	350.99 24.54		54.46	
22 13 16 00-0810 Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bend (22 13 16 00-0730)					
22 13 16 00-0811	EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	241.83 21.97		48.74	
22 13 16 00-0812	EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	487.26 29.52		65.57	
22 13 16 00-0813 Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Combination Wye And 1/8 Bend (22 13 16 00-0730)					
22 13 16 00-0814	EA 2" x 2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	200.89 19.56		43.48	
22 13 16 00-0815	EA 3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	468.04 25.75		57.21	
22 13 16 00-0816 Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug (22 13 16 00-0730)					
22 13 16 00-0817	EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	127.19 12.87		28.61	
22 13 16 00-0818	EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	160.67 16.48		36.61	
22 13 16 00-0819	EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	255.45 22.14		49.21	
22 13 16 00-0820	EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	425.38 25.75		57.21	
22 13 16 00-0821 Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug (22 13 16 00-0730)					

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0822	EA	1-1/2"	Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug..... <i>For Work In Restricted Working Space, Add</i>	57.50 8.58	19.11
22 13 16 00-0823	EA	2"	Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug..... <i>For Work In Restricted Working Space, Add</i>	83.24 10.98	24.38
22 13 16 00-0824	EA	3"	Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug..... <i>For Work In Restricted Working Space, Add</i>	120.87 14.76	32.72
22 13 16 00-0825	EA	4"	Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug..... <i>For Work In Restricted Working Space, Add</i>	225.91 17.16	38.10
22 13 16 00-0826	EA	6"	Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug..... <i>For Work In Restricted Working Space, Add</i>	537.53 22.31	49.55
22 13 16 00-0827 Acrylonitrile Butadiene Styrene (ABS) DWV Couplings (22 13 16 00-0730)					
22 13 16 00-0828	EA	1-1/2"	Acrylonitrile Butadiene Styrene (ABS) DWV Couplings..... <i>For Work In Restricted Working Space, Add</i>	38.57 8.58	19.11
22 13 16 00-0829	EA	2"	Acrylonitrile Butadiene Styrene (ABS) DWV Couplings..... <i>For Work In Restricted Working Space, Add</i>	47.11 10.98	24.38
22 13 16 00-0830	EA	3"	Acrylonitrile Butadiene Styrene (ABS) DWV Couplings..... <i>For Work In Restricted Working Space, Add</i>	77.78 14.76	32.72
22 13 16 00-0831	EA	4"	Acrylonitrile Butadiene Styrene (ABS) DWV Couplings..... <i>For Work In Restricted Working Space, Add</i>	104.30 17.16	38.10
22 13 16 00-0832	EA	6"	Acrylonitrile Butadiene Styrene (ABS) DWV Couplings..... <i>For Work In Restricted Working Space, Add</i>	307.15 22.31	49.55
22 13 16 00-0833 Acrylonitrile Butadiene Styrene (ABS) DWV Reducers (22 13 16 00-0730)					
22 13 16 00-0834	EA	2" x 1-1/2"	Acrylonitrile Butadiene Styrene (ABS) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	57.86 9.78	21.74
22 13 16 00-0835	EA	3" x 1-1/2"	Acrylonitrile Butadiene Styrene (ABS) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	118.95 11.67	25.86
22 13 16 00-0836	EA	3" x 2"	Acrylonitrile Butadiene Styrene (ABS) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	110.03 12.87	28.61
22 13 16 00-0837	EA	4" x 2"	Acrylonitrile Butadiene Styrene (ABS) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	179.29 14.07	31.23
22 13 16 00-0838	EA	4" x 3"	Acrylonitrile Butadiene Styrene (ABS) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	191.71 15.96	35.47
22 13 16 00-0839 Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps (22 13 16 00-0730)					
22 13 16 00-0840	EA	1-1/2"	Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps..... <i>For Work In Restricted Working Space, Add</i>	91.85 12.87	28.61
22 13 16 00-0841	EA	2"	Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps..... <i>For Work In Restricted Working Space, Add</i>	134.14 16.48	36.61
22 13 16 00-0842	EA	3"	Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps..... <i>For Work In Restricted Working Space, Add</i>	436.67 22.14	49.21
22 13 16 00-0843	EA	4"	Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps..... <i>For Work In Restricted Working Space, Add</i>	829.25 25.75	57.21
22 13 16 00-0844 Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges (22 13 16 00-0730)					
22 13 16 00-0845	EA	4"	Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges..... <i>For Work In Restricted Working Space, Add</i>	125.55 17.16	38.10
22 13 16 00-0846	EA	4" x 3"	Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges..... <i>For Work In Restricted Working Space, Add</i>	117.30 15.96	35.47
22 13 16 00-0847 Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters (22 13 16 00-0730)					
22 13 16 00-0848	EA	1-1/2"	Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters <i>For Work In Restricted Working Space, Add</i>	27.01 4.29	9.49
22 13 16 00-0849	EA	2"	Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	40.83 5.49	12.24
22 13 16 00-0850	EA	3"	Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	90.22 7.38	16.36
22 13 16 00-0851	EA	4"	Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	173.78 8.58	19.11
22 13 16 00-0852 Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushings (22 13 16 00-0730)					
22 13 16 00-0853	EA	2" x 1-1/2"	Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing..... <i>For Work In Restricted Working Space, Add</i>	43.11 9.78	21.74
22 13 16 00-0854	EA	3" x 1-1/2"	Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing..... <i>For Work In Restricted Working Space, Add</i>	95.55 11.67	25.86
22 13 16 00-0855	EA	3" x 2"	Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing..... <i>For Work In Restricted Working Space, Add</i>	78.90 12.87	28.61
22 13 16 00-0856	EA	4" x 2"	Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing..... <i>For Work In Restricted Working Space, Add</i>	177.47 14.07	31.23
22 13 16 00-0857	EA	4" x 3"	Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing..... <i>For Work In Restricted Working Space, Add</i>	128.86 15.96	35.47
22 13 16 00-0858	EA	6" x 4"	Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing..... <i>For Work In Restricted Working Space, Add</i>	358.47 18.54	41.16
22 13 16 00-0859 Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Couplings (22 13 16 00-0730)					
22 13 16 00-0860	EA	1-1/2" x 1-1/2"	Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling..... <i>For Work In Restricted Working Space, Add</i>	148.01 8.58	19.11

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 13 16 00-0861	EA	2" x 2" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling	163.97	24.38
		<i>For Work In Restricted Working Space, Add</i>	10.98	
22 13 16 00-0862	EA	3" x 3" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling	184.53	32.72
		<i>For Work In Restricted Working Space, Add</i>	14.76	
22 13 16 00-0863	EA	4" x 4" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling	200.49	38.10
		<i>For Work In Restricted Working Space, Add</i>	17.16	

22 13 16 00-0864 Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe

(22 13 16 00-0717)

Note: In place piping.

22 13 16 00-0865	EA	1-1/2", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	8.38	
22 13 16 00-0866	EA	2", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	9.23	
22 13 16 00-0867	EA	3", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	11.74	
22 13 16 00-0868	EA	4", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	15.84	
22 13 16 00-0869	EA	6", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	22.64	

22 13 16 00-0870 Elastomeric Flexible Pipe Couplings (22 13 16)**22 13 16 00-0871 Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Couplings**

(22 13 16 00-0870)

Note: For cast iron or plastic to cast iron or plastic pipe (Cast Iron/Plastic To Cast Iron/Plastic). Includes stainless steel clamps.

22 13 16 00-0872	EA	1-1/4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-125)	14.86	4.97
		<i>For Work In Restricted Working Space, Add</i>	2.98	
22 13 16 00-0873	EA	1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-150)	16.01	5.28
		<i>For Work In Restricted Working Space, Add</i>	3.17	
22 13 16 00-0874	EA	2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-22)	16.84	5.60
		<i>For Work In Restricted Working Space, Add</i>	3.35	
22 13 16 00-0875	EA	3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-33)	19.46	5.90
		<i>For Work In Restricted Working Space, Add</i>	3.54	
22 13 16 00-0876	EA	4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-44)	22.00	6.21
		<i>For Work In Restricted Working Space, Add</i>	3.73	
22 13 16 00-0877	EA	5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-55)	28.04	6.52
		<i>For Work In Restricted Working Space, Add</i>	3.91	
22 13 16 00-0878	EA	6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-66)	34.14	6.83
		<i>For Work In Restricted Working Space, Add</i>	4.10	
22 13 16 00-0879	EA	8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-88)	46.40	7.46
		<i>For Work In Restricted Working Space, Add</i>	4.48	
22 13 16 00-0880	EA	10" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1010)	61.17	8.70
		<i>For Work In Restricted Working Space, Add</i>	5.22	

22 13 16 00-0881 Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Couplings (22 13 16 00-0870)

Note: For cast iron or plastic to cast iron or plastic pipe (Cast Iron/Plastic To Cast Iron/Plastic). Includes stainless steel clamps.

22 13 16 00-0882	EA	1-1/2" x 1-1/4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-150/125)	15.82	5.28
		<i>For Work In Restricted Working Space, Add</i>	3.17	
22 13 16 00-0883	EA	2" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-215)	17.16	5.60
		<i>For Work In Restricted Working Space, Add</i>	3.35	
22 13 16 00-0884	EA	3" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-315)	21.03	5.90
		<i>For Work In Restricted Working Space, Add</i>	3.54	
22 13 16 00-0885	EA	3" x 2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-32)	18.88	5.90
		<i>For Work In Restricted Working Space, Add</i>	3.54	
22 13 16 00-0886	EA	4" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-415)	25.88	6.21
		<i>For Work In Restricted Working Space, Add</i>	3.73	
22 13 16 00-0887	EA	4" x 2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-42)	24.78	6.21
		<i>For Work In Restricted Working Space, Add</i>	3.73	
22 13 16 00-0888	EA	4" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-43)	22.74	6.21
		<i>For Work In Restricted Working Space, Add</i>	3.73	
22 13 16 00-0889	EA	5" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-53)	32.84	6.52
		<i>For Work In Restricted Working Space, Add</i>	3.91	
22 13 16 00-0890	EA	5" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-54)	29.71	6.52
		<i>For Work In Restricted Working Space, Add</i>	3.91	
22 13 16 00-0891	EA	6" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-63)	40.61	6.83
		<i>For Work In Restricted Working Space, Add</i>	4.10	
22 13 16 00-0892	EA	6" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-64)	35.92	6.83
		<i>For Work In Restricted Working Space, Add</i>	4.10	
22 13 16 00-0893	EA	6" x 5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-65)	37.23	6.83
		<i>For Work In Restricted Working Space, Add</i>	4.10	
22 13 16 00-0894	EA	8" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-84)	73.04	12.43
		<i>For Work In Restricted Working Space, Add</i>	7.46	
22 13 16 00-0895	EA	8" x 6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-86)	60.05	12.43
		<i>For Work In Restricted Working Space, Add</i>	7.46	
22 13 16 00-0896	EA	10" x 8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-10-8)	75.90	13.98
		<i>For Work In Restricted Working Space, Add</i>	8.39	

22 13 16 00-0897 Elastomeric Flexible Pipe Caps (Fernco QC) (22 13 16)

Note: For cast iron, steel, copper or plastic pipe. Includes stainless steel clamp.

22 13 16 00-0898	EA	1-1/2" Elastomeric Flexible Pipe Cap (Fernco QC-101)	54.93	33.55
22 13 16 00-0899	EA	2" Elastomeric Flexible Pipe Cap (Fernco QC-102)	58.92	35.67
22 13 16 00-0900	EA	3" Elastomeric Flexible Pipe Cap (Fernco QC-103)	68.25	40.88
22 13 16 00-0901	EA	4" Elastomeric Flexible Pipe Cap (Fernco QC-104)	90.05	54.05
22 13 16 00-0902	EA	5" Elastomeric Flexible Pipe Cap (Fernco QC-105)	107.94	64.61

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0903	EA		6" Elastomeric Flexible Pipe Cap (Fernco QC-106).....	124.41	74.56
22 13 16 00-0904	EA		8" Elastomeric Flexible Pipe Cap (Fernco QC-108).....	167.08	94.44
22 13 16 00-0905	EA		10" Elastomeric Flexible Pipe Cap (Fernco QC-110).....	205.72	105.62
22 13 16 00-0906	EA		12" Elastomeric Flexible Pipe Cap (Fernco QC-112).....	260.88	117.43
22 13 16 00-0907 Cast Iron Vent Stack Flashing Sleeves With Caulking Recess (Josam 26450 Series) (22 13 16)					
22 13 16 00-0908	EA		1-1/2" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	101.31	25.75
22 13 16 00-0909	EA		2" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	107.03	28.61
22 13 16 00-0910	EA		3" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	159.79	37.18
22 13 16 00-0911	EA		4" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	187.25	42.91
22 13 16 00-0912	EA		5" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	218.24	48.63
22 13 16 00-0913	EA		6" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	364.92	54.35
22 13 16 00-0914 Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess (Josam 26440 Series) (22 13 16)					
22 13 16 00-0915	EA		1-1/2" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	207.00	25.75
22 13 16 00-0916	EA		2" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	212.72	28.61
22 13 16 00-0917	EA		3" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	253.14	37.18
22 13 16 00-0918	EA		4" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	316.40	42.91
22 13 16 00-0919	EA		5" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	431.51	48.63
22 13 16 00-0920	EA		6" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	442.96	54.35
22 13 16 00-0921 Cast Iron Vandal Proof Hooded Vent Cap (Josam 26700 Series) (22 13 16)					
Note: Includes counterflashing collar, deep protective hood and recessed securing screws.					
22 13 16 00-0922	EA		1-1/2" Cast Iron Vandal Proof Hooded Vent Cap.....	392.87	25.75
22 13 16 00-0923	EA		2" Cast Iron Vandal Proof Hooded Vent Cap.....	398.59	28.61
22 13 16 00-0924	EA		3" Cast Iron Vandal Proof Hooded Vent Cap.....	458.43	37.18
22 13 16 00-0925	EA		4" Cast Iron Vandal Proof Hooded Vent Cap.....	516.10	42.91
22 13 16 00-0926	EA		5" Cast Iron Vandal Proof Hooded Vent Cap.....	602.22	48.63
22 13 16 00-0927	EA		6" Cast Iron Vandal Proof Hooded Vent Cap.....	658.12	54.35
22 13 19 Sanitary Waste Piping Specialties (22 13)					
22 13 19 13 Sanitary Drains (22 13 19)					
22 13 19 13-0001 Round Top Floor Drains (22 13 19 13)					
22 13 19 13-0002	EA		Bronze Top, 6" Round Top Floor Drain With 1-1/2" Outlet	819.44	123.00
			For Sediment Bucket, Add	22.50	
			For Vandal Proof Screws, Add	11.00	
			For Galvanized Cast Iron Parts, Add	105.00	
22 13 19 13-0003	EA		Bronze Top, 6" Round Top Floor Drain With 2" Outlet.....	900.46	137.88
			For Sediment Bucket, Add	22.50	
			For Vandal Proof Screws, Add	11.00	
			For Galvanized Cast Iron Parts, Add	105.00	
22 13 19 13-0004	EA		Bronze Top, 6" Round Top Floor Drain With 3" Outlet.....	878.60	152.52
			For Sediment Bucket, Add	22.50	
			For Vandal Proof Screws, Add	11.00	
			For Galvanized Cast Iron Parts, Add	105.00	
22 13 19 13-0005	EA		Bronze Top, 6" Round Top Floor Drain With 4" Outlet.....	910.02	168.31
			For Sediment Bucket, Add	22.50	
			For Vandal Proof Screws, Add	11.00	
			For Galvanized Cast Iron Parts, Add	105.00	
22 13 19 13-0006	EA		Cast Iron Top, 9" Round Top Floor Drain With 2" Outlet	822.76	137.88
			For Cast Iron Dome Grate, Add	17.00	
			For Vandal Proof Screws, Add	30.50	
			For Galvanized Extension Collar, Each 3", Add	117.50	
			For Nikaloy Dome Grate, Add	178.50	
			For Bronze Dome Grate, Add	143.00	
			For Cast Iron Extension Collar, Each 3" (76 mm), Add	57.50	
			For Galvanized Cast Iron Parts, Add	87.50	
			For Ductile Iron Grate, Add	48.00	
22 13 19 13-0007	EA		Cast Iron Top, 9" Round Top Floor Drain With 3" Outlet	852.17	152.52
			For Cast Iron Dome Grate, Add	17.00	
			For Vandal Proof Screws, Add	30.50	
			For Galvanized Extension Collar, Each 3", Add	117.50	
			For Nikaloy Dome Grate, Add	178.50	
			For Bronze Dome Grate, Add	143.00	
			For Cast Iron Extension Collar, Each 3" (76 mm), Add	57.50	
			For Galvanized Cast Iron Parts, Add	87.50	
			For Ductile Iron Grate, Add	48.00	
22 13 19 13-0008	EA		Cast Iron Top, 9" Round Top Floor Drain With 4" Outlet	883.59	168.31
			For Cast Iron Dome Grate, Add	17.00	
			For Vandal Proof Screws, Add	30.50	
			For Galvanized Extension Collar, Each 3", Add	117.50	
			For Nikaloy Dome Grate, Add	178.50	
			For Bronze Dome Grate, Add	143.00	
			For Cast Iron Extension Collar, Each 3" (76 mm), Add	57.50	
			For Galvanized Cast Iron Parts, Add	87.50	
			For Ductile Iron Grate, Add	48.00	

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
22 13 19 13-0009	EA Nikaloy Top, 9" Round Top Floor Drain With 2" Outlet	1,367.17		137.88
	For Cast Iron Dome Grate, Add	17.00		
	For Vandal Proof Screws, Add	30.50		
	For Galvanized Extension Collar, Each 3", Add	117.50		
	For Nikaloy Dome Grate, Add	178.50		
	For Bronze Dome Grate, Add	143.00		
	For Cast Iron Extension Collar, Each 3" (76 mm), Add	57.50		
	For Galvanized Cast Iron Parts, Add	87.50		
	For Ductile Iron Grate, Add	48.00		
22 13 19 13-0010	EA Nikaloy Top, 9" Round Top Floor Drain With 3" Outlet	1,396.58		152.52
	For Cast Iron Dome Grate, Add	17.00		
	For Vandal Proof Screws, Add	30.50		
	For Galvanized Extension Collar, Each 3", Add	117.50		
	For Nikaloy Dome Grate, Add	178.50		
	For Bronze Dome Grate, Add	143.00		
	For Cast Iron Extension Collar, Each 3" (76 mm), Add	57.50		
	For Galvanized Cast Iron Parts, Add	87.50		
	For Ductile Iron Grate, Add	48.00		
22 13 19 13-0011	EA Nikaloy Top, 9" Round Top Floor Drain With 4" Outlet	1,428.00		168.31
	For Cast Iron Dome Grate, Add	17.00		
	For Vandal Proof Screws, Add	30.50		
	For Galvanized Extension Collar, Each 3", Add	117.50		
	For Nikaloy Dome Grate, Add	178.50		
	For Bronze Dome Grate, Add	143.00		
	For Cast Iron Extension Collar, Each 3" (76 mm), Add	57.50		
	For Galvanized Cast Iron Parts, Add	87.50		
	For Ductile Iron Grate, Add	48.00		
22 13 19 13-0012	EA Bronze Top, 9" Round Top Floor Drain With 2" Outlet.....	1,287.88		137.88
	For Cast Iron Dome Grate, Add	17.00		
	For Vandal Proof Screws, Add	30.50		
	For Galvanized Extension Collar, Each 3", Add	117.50		
	For Nikaloy Dome Grate, Add	178.50		
	For Bronze Dome Grate, Add	143.00		
	For Cast Iron Extension Collar, Each 3" (76 mm), Add	57.50		
	For Galvanized Cast Iron Parts, Add	87.50		
	For Ductile Iron Grate, Add	48.00		
22 13 19 13-0013	EA Bronze Top, 9" Round Top Floor Drain With 3" Outlet.....	1,317.13		152.52
	For Cast Iron Dome Grate, Add	17.00		
	For Vandal Proof Screws, Add	30.50		
	For Galvanized Extension Collar, Each 3", Add	117.50		
	For Nikaloy Dome Grate, Add	178.50		
	For Bronze Dome Grate, Add	143.00		
	For Cast Iron Extension Collar, Each 3" (76 mm), Add	57.50		
	For Galvanized Cast Iron Parts, Add	87.50		
	For Ductile Iron Grate, Add	48.00		
22 13 19 13-0014	EA Bronze Top, 9" Round Top Floor Drain With 4" Outlet.....	1,348.71		168.31
	For Cast Iron Dome Grate, Add	17.00		
	For Vandal Proof Screws, Add	30.50		
	For Galvanized Extension Collar, Each 3", Add	117.50		
	For Nikaloy Dome Grate, Add	178.50		
	For Bronze Dome Grate, Add	143.00		
	For Cast Iron Extension Collar, Each 3" (76 mm), Add	57.50		
	For Galvanized Cast Iron Parts, Add	87.50		
	For Ductile Iron Grate, Add	48.00		
22 13 19 13-0015	EA Cast Iron Top, 12-5/8" Round Top Floor Drain With 2" Outlet	1,414.61		137.76
	For Galvanized Cast Iron Parts, Add	132.00		
	For Vandal Proof Screws, Add	30.50		
	For Primer Tap, Add	33.50		
	For Cast Iron Extension Collar, Each 2", Add	51.00		
	For Galvanized Extension Collar, Each 2", Add	102.50		
	For Cast Iron Dome Grate, Add	28.00		
	For Ductile Iron Grate, Add	53.00		
	For Bronze Dome Grate, Add	218.50		
	For Nikaloy Dome Grate, Add	255.00		
	For Chained Grate, Add	48.50		
22 13 19 13-0016	EA Cast Iron Top, 12-5/8" Round Top Floor Drain With 3" Outlet	1,443.99		152.52
	For Galvanized Cast Iron Parts, Add	132.00		
	For Vandal Proof Screws, Add	30.50		
	For Primer Tap, Add	33.50		
	For Cast Iron Extension Collar, Each 2", Add	51.00		
	For Galvanized Extension Collar, Each 2", Add	102.50		
	For Cast Iron Dome Grate, Add	28.00		
	For Ductile Iron Grate, Add	53.00		
	For Bronze Dome Grate, Add	218.50		
	For Nikaloy Dome Grate, Add	255.00		
	For Chained Grate, Add	48.50		
22 13 19 13-0017	EA Cast Iron Top, 12-5/8" Round Top Floor Drain With 4" Outlet	1,475.57		168.31
	For Galvanized Cast Iron Parts, Add	132.00		
	For Vandal Proof Screws, Add	30.50		
	For Primer Tap, Add	33.50		
	For Cast Iron Extension Collar, Each 2", Add	51.00		
	For Galvanized Extension Collar, Each 2", Add	102.50		
	For Cast Iron Dome Grate, Add	28.00		
	For Ductile Iron Grate, Add	53.00		
	For Bronze Dome Grate, Add	218.50		
	For Nikaloy Dome Grate, Add	255.00		
	For Chained Grate, Add	48.50		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0018	EA		Nikaloy Top, 12-5/8" Round Top Floor Drain With 2" Outlet.....	2,228.57	137.76
			For Galvanized Cast Iron Parts, Add	132.00	
			For Vandal Proof Screws, Add	30.50	
			For Primer Tap, Add	33.50	
			For Cast Iron Extension Collar, Each 2", Add	51.00	
			For Galvanized Extension Collar, Each 2", Add	102.50	
			For Cast Iron Dome Grate, Add	28.00	
			For Ductile Iron Grate, Add	53.00	
			For Bronze Dome Grate, Add	218.50	
			For Nikaloy Dome Grate, Add	255.00	
			For Chained Grate, Add	48.50	
22 13 19 13-0019	EA		Nikaloy Top, 12-5/8" Round Top Floor Drain With 3" Outlet.....	2,257.95	152.52
			For Galvanized Cast Iron Parts, Add	132.00	
			For Vandal Proof Screws, Add	30.50	
			For Primer Tap, Add	33.50	
			For Cast Iron Extension Collar, Each 2", Add	51.00	
			For Galvanized Extension Collar, Each 2", Add	102.50	
			For Cast Iron Dome Grate, Add	28.00	
			For Ductile Iron Grate, Add	53.00	
			For Bronze Dome Grate, Add	218.50	
			For Nikaloy Dome Grate, Add	255.00	
			For Chained Grate, Add	48.50	
22 13 19 13-0020	EA		Nikaloy Top, 12-5/8" Round Top Floor Drain With 4" Outlet.....	2,289.53	168.31
			For Galvanized Cast Iron Parts, Add	132.00	
			For Vandal Proof Screws, Add	30.50	
			For Primer Tap, Add	33.50	
			For Cast Iron Extension Collar, Each 2", Add	51.00	
			For Galvanized Extension Collar, Each 2", Add	102.50	
			For Cast Iron Dome Grate, Add	28.00	
			For Ductile Iron Grate, Add	53.00	
			For Bronze Dome Grate, Add	218.50	
			For Nikaloy Dome Grate, Add	255.00	
			For Chained Grate, Add	48.50	
22 13 19 13-0021	EA		Bronze Top, 12-5/8" Round Top Floor Drain With 2" Outlet	2,120.22	137.76
			For Galvanized Cast Iron Parts, Add	132.00	
			For Vandal Proof Screws, Add	30.50	
			For Primer Tap, Add	33.50	
			For Cast Iron Extension Collar, Each 2", Add	51.00	
			For Galvanized Extension Collar, Each 2", Add	102.50	
			For Cast Iron Dome Grate, Add	28.00	
			For Ductile Iron Grate, Add	53.00	
			For Bronze Dome Grate, Add	218.50	
			For Nikaloy Dome Grate, Add	255.00	
			For Chained Grate, Add	48.50	
22 13 19 13-0022	EA		Bronze Top, 12-5/8" Round Top Floor Drain With 3" Outlet	2,149.60	152.52
			For Galvanized Cast Iron Parts, Add	132.00	
			For Vandal Proof Screws, Add	30.50	
			For Primer Tap, Add	33.50	
			For Cast Iron Extension Collar, Each 2", Add	51.00	
			For Galvanized Extension Collar, Each 2", Add	102.50	
			For Cast Iron Dome Grate, Add	28.00	
			For Ductile Iron Grate, Add	53.00	
			For Bronze Dome Grate, Add	218.50	
			For Nikaloy Dome Grate, Add	255.00	
			For Chained Grate, Add	48.50	
22 13 19 13-0023	EA		Bronze Top, 12-5/8" Round Top Floor Drain With 4" Outlet	2,181.18	168.31
			For Galvanized Cast Iron Parts, Add	132.00	
			For Vandal Proof Screws, Add	30.50	
			For Primer Tap, Add	33.50	
			For Cast Iron Extension Collar, Each 2", Add	51.00	
			For Galvanized Extension Collar, Each 2", Add	102.50	
			For Cast Iron Dome Grate, Add	28.00	
			For Ductile Iron Grate, Add	53.00	
			For Bronze Dome Grate, Add	218.50	
			For Nikaloy Dome Grate, Add	255.00	
			For Chained Grate, Add	48.50	
22 13 19 13-0024			Square Or Rectangular Top Drains (22 13 19 13)		
22 13 19 13-0025	EA		5" x 5" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	973.27	137.76
			For Sediment Bucket, Add	22.50	
			For Vandal Proof Screws, Add	11.00	
			For Galvanized Cast Iron Parts, Add	105.00	
22 13 19 13-0026	EA		5" x 5" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	1,002.97	152.64
			For Sediment Bucket, Add	22.50	
			For Vandal Proof Screws, Add	11.00	
			For Galvanized Cast Iron Parts, Add	105.00	
22 13 19 13-0027	EA		5" x 5" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	1,034.23	168.31
			For Sediment Bucket, Add	22.50	
			For Vandal Proof Screws, Add	11.00	
			For Galvanized Cast Iron Parts, Add	105.00	
22 13 19 13-0028	EA		6" x 6" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	1,052.55	137.76
			For Sediment Bucket, Add	22.50	
			For Vandal Proof Screws, Add	11.00	
			For Galvanized Cast Iron Parts, Add	105.00	
22 13 19 13-0029	EA		6" x 6" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	1,082.25	152.64
			For Sediment Bucket, Add	22.50	
			For Vandal Proof Screws, Add	11.00	
			For Galvanized Cast Iron Parts, Add	105.00	

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 13 19 13-0030	EA 6" x 6" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	1,113.51	168.31
	For Sediment Bucket, Add	22.50	
	For Vandal Proof Screws, Add	11.00	
	For Galvanized Cast Iron Parts, Add	105.00	
22 13 19 13-0031	EA 8" x 8" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	1,401.39	137.76
	For Sediment Bucket, Add	22.50	
	For Vandal Proof Screws, Add	11.00	
	For Galvanized Cast Iron Parts, Add	105.00	
22 13 19 13-0032	EA 8" x 8" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	1,431.09	152.64
	For Sediment Bucket, Add	22.50	
	For Vandal Proof Screws, Add	11.00	
	For Galvanized Cast Iron Parts, Add	105.00	
22 13 19 13-0033	EA 8" x 8" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	1,462.35	168.31
	For Sediment Bucket, Add	22.50	
	For Vandal Proof Screws, Add	11.00	
	For Galvanized Cast Iron Parts, Add	105.00	
22 13 19 13-0034	EA 5" x 5" Floor Drain With 2" Bottom Outlet, Bronze Top.....	915.13	137.76
	For Sediment Bucket, Add	22.50	
	For Vandal Proof Screws, Add	11.00	
	For Galvanized Cast Iron Parts, Add	105.00	
22 13 19 13-0035	EA 5" x 5" Floor Drain With 3" Bottom Outlet, Bronze Top.....	944.83	152.64
	For Sediment Bucket, Add	22.50	
	For Vandal Proof Screws, Add	11.00	
	For Galvanized Cast Iron Parts, Add	105.00	
22 13 19 13-0036	EA 5" x 5" Floor Drain With 4" Bottom Outlet, Bronze Top.....	976.09	168.31
	For Sediment Bucket, Add	22.50	
	For Vandal Proof Screws, Add	11.00	
	For Galvanized Cast Iron Parts, Add	105.00	
22 13 19 13-0037	EA 6" x 6" Floor Drain With 2" Bottom Outlet, Bronze Top.....	1,015.55	137.76
	For Sediment Bucket, Add	22.50	
	For Vandal Proof Screws, Add	11.00	
	For Galvanized Cast Iron Parts, Add	105.00	
22 13 19 13-0038	EA 6" x 6" Floor Drain With 3" Bottom Outlet, Bronze Top.....	1,045.25	152.64
	For Sediment Bucket, Add	22.50	
	For Vandal Proof Screws, Add	11.00	
	For Galvanized Cast Iron Parts, Add	105.00	
22 13 19 13-0039	EA 6" x 6" Floor Drain With 4" Bottom Outlet, Bronze Top.....	1,076.51	168.31
	For Sediment Bucket, Add	22.50	
	For Vandal Proof Screws, Add	11.00	
	For Galvanized Cast Iron Parts, Add	105.00	
22 13 19 13-0040	EA 8" x 8" Floor Drain With 2" Bottom Outlet, Bronze Top.....	1,298.32	137.76
	For Sediment Bucket, Add	22.50	
	For Vandal Proof Screws, Add	11.00	
	For Galvanized Cast Iron Parts, Add	105.00	
22 13 19 13-0041	EA 8" x 8" Floor Drain With 3" Bottom Outlet, Bronze Top.....	1,328.02	152.64
	For Sediment Bucket, Add	22.50	
	For Vandal Proof Screws, Add	11.00	
	For Galvanized Cast Iron Parts, Add	105.00	
22 13 19 13-0042	EA 8" x 8" Floor Drain With 4" Bottom Outlet, Bronze Top.....	1,359.28	168.31
	For Sediment Bucket, Add	22.50	
	For Vandal Proof Screws, Add	11.00	
	For Galvanized Cast Iron Parts, Add	105.00	
22 13 19 13-0043	EA 12" x 12" Can Wash Drain With 3" Bottom Outlet, Cast Iron Top.....	3,368.23	152.64
	For No-Hub Side Outlet, Add	76.00	
	For Galvanized Cast Iron Parts, Add	318.00	
	For Chained Grate, Add	48.50	
22 13 19 13-0044	EA 12" x 12" Can Wash Drain With 4" Bottom Outlet, Cast Iron Top.....	3,399.49	168.31
	For No-Hub Side Outlet, Add	76.00	
	For Galvanized Cast Iron Parts, Add	318.00	
	For Chained Grate, Add	48.50	
22 13 19 13-0045	EA 12" x 12" Can Wash Drain With 3" Bottom Outlet, Nikaloy Top.....	4,229.76	152.64
	For No-Hub Side Outlet, Add	76.00	
	For Galvanized Cast Iron Parts, Add	318.00	
	For Chained Grate, Add	48.50	
22 13 19 13-0046	EA 12" x 12" Can Wash Drain With 4" Bottom Outlet, Nikaloy Top.....	4,261.02	168.31
	For No-Hub Side Outlet, Add	76.00	
	For Galvanized Cast Iron Parts, Add	318.00	
	For Chained Grate, Add	48.50	
22 13 19 13-0047	EA 12" x 12" Can Wash Drain With 3" Bottom Outlet, Bronze Top.....	4,126.70	152.64
	For No-Hub Side Outlet, Add	76.00	
	For Galvanized Cast Iron Parts, Add	318.00	
	For Chained Grate, Add	48.50	
22 13 19 13-0048	EA 12" x 12" Can Wash Drain With 4" Bottom Outlet, Bronze Top.....	4,157.96	168.31
	For No-Hub Side Outlet, Add	76.00	
	For Galvanized Cast Iron Parts, Add	318.00	
	For Chained Grate, Add	48.50	
22 13 19 13-0049	EA 5" x 9" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	1,422.53	137.76
	For Sediment Bucket, Add	22.50	
	For Rough Bronze Body, Add	120.94	
	For Vandal Proof Screws, Add	11.00	
22 13 19 13-0050	EA 5" x 9" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	1,452.23	152.64
	For Sediment Bucket, Add	22.50	
	For Rough Bronze Body, Add	120.94	
	For Vandal Proof Screws, Add	11.00	
22 13 19 13-0051	EA 5" x 9" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	1,483.49	168.31
	For Sediment Bucket, Add	22.50	
	For Rough Bronze Body, Add	120.94	
	For Vandal Proof Screws, Add	11.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0052	EA		5" x 13" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	1,832.16	137.76
			For Sediment Bucket, Add	22.50	
			For Rough Bronze Body, Add	120.94	
			For Vandal Proof Screws, Add	11.00	
22 13 19 13-0053	EA		5" x 13" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	1,861.86	152.64
			For Sediment Bucket, Add	22.50	
			For Rough Bronze Body, Add	120.94	
			For Vandal Proof Screws, Add	11.00	
22 13 19 13-0054	EA		5" x 13" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	1,893.12	168.31
			For Sediment Bucket, Add	22.50	
			For Rough Bronze Body, Add	120.94	
			For Vandal Proof Screws, Add	11.00	
22 13 19 13-0055	EA		5" x 16-3/4" Floor Drain With 2" Bottom Outlet, Nikaloy Top	1,927.30	137.76
			For Sediment Bucket, Add	22.50	
			For Rough Bronze Body, Add	120.94	
			For Vandal Proof Screws, Add	11.00	
22 13 19 13-0056	EA		5" x 16-5/8" Floor Drain With 3" Bottom Outlet, Nikaloy Top	1,957.00	152.64
			For Sediment Bucket, Add	22.50	
			For Rough Bronze Body, Add	120.94	
			For Vandal Proof Screws, Add	11.00	
22 13 19 13-0057	EA		5" x 16-3/4" Floor Drain With 4" Bottom Outlet, Nikaloy Top	1,988.26	168.31
			For Sediment Bucket, Add	22.50	
			For Rough Bronze Body, Add	120.94	
			For Vandal Proof Screws, Add	11.00	
22 13 19 13-0058	EA		5" x 21" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	2,664.63	137.76
			For Sediment Bucket, Add	22.50	
			For Rough Bronze Body, Add	120.94	
			For Vandal Proof Screws, Add	11.00	
22 13 19 13-0059	EA		5" x 21" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	2,694.33	152.64
			For Sediment Bucket, Add	22.50	
			For Rough Bronze Body, Add	120.94	
			For Vandal Proof Screws, Add	11.00	
22 13 19 13-0060	EA		5" x 21" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	2,725.59	168.31
			For Sediment Bucket, Add	22.50	
			For Rough Bronze Body, Add	120.94	
			For Vandal Proof Screws, Add	11.00	
22 13 19 13-0061	EA		5" x 9" Floor Drain With 2" Bottom Outlet, Bronze Top	1,337.97	137.76
			For Sediment Bucket, Add	22.50	
			For Rough Bronze Body, Add	120.94	
			For Vandal Proof Screws, Add	11.00	
22 13 19 13-0062	EA		5" x 9" Floor Drain With 3" Bottom Outlet, Bronze Top	1,367.67	152.64
			For Sediment Bucket, Add	22.50	
			For Rough Bronze Body, Add	120.94	
			For Vandal Proof Screws, Add	11.00	
22 13 19 13-0063	EA		5" x 9" Floor Drain With 4" Bottom Outlet, Bronze Top	1,398.93	168.31
			For Sediment Bucket, Add	22.50	
			For Rough Bronze Body, Add	120.94	
			For Vandal Proof Screws, Add	11.00	
22 13 19 13-0064	EA		5" x 13" Floor Drain With 2" Bottom Outlet, Bronze Top	1,686.81	137.76
			For Sediment Bucket, Add	22.50	
			For Rough Bronze Body, Add	120.94	
			For Vandal Proof Screws, Add	11.00	
22 13 19 13-0065	EA		5" x 13" Floor Drain With 3" Bottom Outlet, Bronze Top	1,716.51	152.64
			For Sediment Bucket, Add	22.50	
			For Rough Bronze Body, Add	120.94	
			For Vandal Proof Screws, Add	11.00	
22 13 19 13-0066	EA		5" x 13" Floor Drain With 4" Bottom Outlet, Bronze Top	1,747.77	168.31
			For Sediment Bucket, Add	22.50	
			For Rough Bronze Body, Add	120.94	
			For Vandal Proof Screws, Add	11.00	
22 13 19 13-0067	EA		5" x 16-3/4" Floor Drain With 2" Bottom Outlet, Bronze Top	1,781.95	137.76
			For Sediment Bucket, Add	22.50	
			For Rough Bronze Body, Add	120.94	
			For Vandal Proof Screws, Add	11.00	
22 13 19 13-0068	EA		5" x 16-5/8" Floor Drain With 3" Bottom Outlet, Bronze Top.....	1,811.65	152.64
			For Sediment Bucket, Add	22.50	
			For Rough Bronze Body, Add	120.94	
			For Vandal Proof Screws, Add	11.00	
22 13 19 13-0069	EA		5" x 16-3/4" Floor Drain With 4" Bottom Outlet, Bronze Top.....	1,842.91	168.31
			For Sediment Bucket, Add	22.50	
			For Rough Bronze Body, Add	120.94	
			For Vandal Proof Screws, Add	11.00	
22 13 19 13-0070	EA		5" x 21" Floor Drain With 2" Bottom Outlet, Bronze Top	2,381.85	137.76
			For Sediment Bucket, Add	22.50	
			For Rough Bronze Body, Add	120.94	
			For Vandal Proof Screws, Add	11.00	
22 13 19 13-0071	EA		5" x 21" Floor Drain With 3" Bottom Outlet, Bronze Top	2,411.55	152.64
			For Sediment Bucket, Add	22.50	
			For Rough Bronze Body, Add	120.94	
			For Vandal Proof Screws, Add	11.00	
22 13 19 13-0072	EA		5" x 21" Floor Drain With 4" Bottom Outlet, Bronze Top	2,442.81	168.31
			For Sediment Bucket, Add	22.50	
			For Rough Bronze Body, Add	120.94	
			For Vandal Proof Screws, Add	11.00	

22 13 19 13-0073 Funnel Type Floor Drains (22 13 19 13)

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 13 19 13-0074	EA	7" Diameter Floor Drain With 4" Round Funnel With 1-1/2" Outlet, Bronze Top	1,342.81	123.00
		For Satin Finish Bronze Top, Deduct	-19.50	
		For Vandal Proof Screws, Add	11.00	
		For Galvanized Cast Iron Parts, Add	105.00	
22 13 19 13-0075	EA	7" Diameter Floor Drain With 4" Round Funnel With 2" Outlet, Bronze Top	1,372.32	137.76
		For Satin Finish Bronze Top, Deduct	-19.50	
		For Vandal Proof Screws, Add	11.00	
		For Galvanized Cast Iron Parts, Add	105.00	
22 13 19 13-0076	EA	7" Diameter Floor Drain With 4" Round Funnel With 3" Outlet, Bronze Top	1,401.70	152.52
		For Satin Finish Bronze Top, Deduct	-19.50	
		For Vandal Proof Screws, Add	11.00	
		For Galvanized Cast Iron Parts, Add	105.00	
22 13 19 13-0077	EA	7" Diameter Floor Drain With 4" Round Funnel With 4" Outlet, Bronze Top	1,433.28	168.31
		For Satin Finish Bronze Top, Deduct	-19.50	
		For Vandal Proof Screws, Add	11.00	
		For Galvanized Cast Iron Parts, Add	105.00	
22 13 19 13-0078	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 2" Outlet, Nikaloy Top	1,966.94	137.76
		For Satin Finish Bronze Top, Deduct	-19.50	
		For Vandal Proof Screws, Add	11.00	
		For Galvanized Cast Iron Parts, Add	105.00	
22 13 19 13-0079	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 3" Outlet, Nikaloy Top	1,996.32	152.52
		For Satin Finish Bronze Top, Deduct	-19.50	
		For Vandal Proof Screws, Add	11.00	
		For Galvanized Cast Iron Parts, Add	105.00	
22 13 19 13-0080	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 4" Outlet, Nikaloy Top	2,027.90	168.31
		For Satin Finish Bronze Top, Deduct	-19.50	
		For Vandal Proof Screws, Add	11.00	
		For Galvanized Cast Iron Parts, Add	105.00	
22 13 19 13-0081	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 2" Outlet, Bronze Top	1,863.87	137.76
		For Satin Finish Bronze Top, Deduct	-19.50	
		For Vandal Proof Screws, Add	11.00	
		For Galvanized Cast Iron Parts, Add	105.00	
22 13 19 13-0082	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 3" Outlet, Bronze Top	1,893.25	152.52
		For Satin Finish Bronze Top, Deduct	-19.50	
		For Vandal Proof Screws, Add	11.00	
		For Galvanized Cast Iron Parts, Add	105.00	
22 13 19 13-0083	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 4" Outlet, Bronze Top	1,924.83	168.31
		For Satin Finish Bronze Top, Deduct	-19.50	
		For Vandal Proof Screws, Add	11.00	
		For Galvanized Cast Iron Parts, Add	105.00	

22 13 19 13-0084 Floor Drain With Sediment Bucket Bottom Outlet (22 13 19 13)

22 13 19 13-0085	EA	12-5/8" Round Floor Drain With Sediment Bucket, 2" Bottom Outlet, Satin Bronze Top, Without Trap	2,854.35	123.00
		For Vandal Proof Screws, Add	30.50	
		For Primer Tap, Add	33.50	
		For Galvanized Cast Iron Parts, Add	132.00	
22 13 19 13-0086	EA	12-5/8" Round Floor Drain With Sediment Bucket, 3" Bottom Outlet, Satin Bronze Top, Without Trap	2,883.97	137.76
		For Vandal Proof Screws, Add	30.50	
		For Primer Tap, Add	33.50	
		For Galvanized Cast Iron Parts, Add	132.00	
22 13 19 13-0087	EA	12-5/8" Round Floor Drain With Sediment Bucket, 4" Bottom Outlet, Satin Bronze Top, Without Trap	2,913.35	152.52
		For Vandal Proof Screws, Add	30.50	
		For Primer Tap, Add	33.50	
		For Galvanized Cast Iron Parts, Add	132.00	
22 13 19 13-0088	EA	12-5/8" Round Floor Drain With Sediment Bucket, 5" Bottom Outlet, Satin Bronze Top, Without Trap	2,944.93	168.31
		For Vandal Proof Screws, Add	30.50	
		For Primer Tap, Add	33.50	
		For Galvanized Cast Iron Parts, Add	132.00	
22 13 19 13-0089	EA	12-5/8" Round Floor Drain With Sediment Bucket, 6" Bottom Outlet, Satin Bronze Top, Without Trap	2,977.49	184.56
		For Vandal Proof Screws, Add	30.50	
		For Primer Tap, Add	33.50	
		For Galvanized Cast Iron Parts, Add	132.00	
22 13 19 13-0090	EA	12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Nikaloy Top, Heavy-Duty Loose-Set Cast Iron Grate	3,084.82	137.76
		For Vandal Proof Screws, Add	29.50	
		For Aluminum Bucket, Add	77.50	
		For Primer Tap, Add	31.00	
		For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0091	EA	12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Nikaloy Top, Heavy-Duty Loose-Set Cast Iron Grate	3,114.52	152.64
		For Vandal Proof Screws, Add	29.50	
		For Aluminum Bucket, Add	77.50	
		For Primer Tap, Add	31.00	
		For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0092	EA	12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Nikaloy Top, Heavy-Duty Loose-Set Cast Iron Grate	3,145.78	168.31
		For Vandal Proof Screws, Add	29.50	
		For Aluminum Bucket, Add	77.50	
		For Primer Tap, Add	31.00	
		For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0093	EA	12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Nikaloy Top, Heavy-Duty Loose-Set Cast Iron Grate	3,178.34	184.56
		For Vandal Proof Screws, Add	29.50	
		For Aluminum Bucket, Add	77.50	
		For Primer Tap, Add	31.00	
		For Galvanized Cast Iron Parts, Add	273.75	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0094	EA		12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Cast Iron Top, Heavy-Duty Loose-Set Cast Iron Grate	1,892.94	137.76
			For Vandal Proof Screws, Add	29.50	
			For Aluminum Bucket, Add	77.50	
			For Primer Tap, Add	31.00	
			For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0095	EA		12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Cast Iron Top, Heavy-Duty Loose-Set Cast Iron Grate	1,922.64	152.64
			For Vandal Proof Screws, Add	29.50	
			For Aluminum Bucket, Add	77.50	
			For Primer Tap, Add	31.00	
			For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0096	EA		12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Cast Iron Top, Heavy-Duty Loose-Set Cast Iron Grate	1,953.90	168.31
			For Vandal Proof Screws, Add	29.50	
			For Aluminum Bucket, Add	77.50	
			For Primer Tap, Add	31.00	
			For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0097	EA		12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Cast Iron Top, Heavy-Duty Loose-Set Cast Iron Grate	1,986.46	184.56
			For Vandal Proof Screws, Add	29.50	
			For Aluminum Bucket, Add	77.50	
			For Primer Tap, Add	31.00	
			For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0098	EA		12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Bronze Top, Heavy-Duty Loose-Set Cast Iron Grate	2,878.69	137.76
			For Vandal Proof Screws, Add	29.50	
			For Aluminum Bucket, Add	77.50	
			For Primer Tap, Add	31.00	
			For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0099	EA		12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Bronze Top, Heavy-Duty Loose-Set Cast Iron Grate	2,908.39	152.64
			For Vandal Proof Screws, Add	29.50	
			For Aluminum Bucket, Add	77.50	
			For Primer Tap, Add	31.00	
			For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0100	EA		12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Bronze Top, Heavy-Duty Loose-Set Cast Iron Grate	2,939.65	168.31
			For Vandal Proof Screws, Add	29.50	
			For Aluminum Bucket, Add	77.50	
			For Primer Tap, Add	31.00	
			For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0101	EA		12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Bronze Top, Heavy-Duty Loose-Set Cast Iron Grate	2,972.21	184.56
			For Vandal Proof Screws, Add	29.50	
			For Aluminum Bucket, Add	77.50	
			For Primer Tap, Add	31.00	
			For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0102			Other Drains (22 13 19 13)		
22 13 19 13-0103			Shower Drains (22 13 19 13-0102)		
22 13 19 13-0104	EA		4-1/4" Stainless Steel Shower Drain Strainer	53.69	12.43
			Note: Includes two 2-5/8" screws.		
22 13 19 13-0105	EA		4-1/4" Brass Shower Drain Strainer	59.82	12.43
			Note: Includes two 2-5/8" screws.		
22 13 19 13-0106	EA		4" Brass Shower Drain For Polyvinyl Chloride (PVC) Pipe	123.43	24.85
			Note: Fits over 2" polyvinyl chloride (PVC) pipe or inside 3" polyvinyl chloride (PVC) pipe.		
22 13 19 13-0107	EA		4" Chrome Finish, Threaded Brass Shower Drain And Gasket	158.64	24.85
			Note: For 2" pipe. Kohler K-9132.		
22 13 19 13-0108			Acid Resistant Floor Drains (22 13 19 13-0102)		
22 13 19 13-0109	EA		9" Diameter Floor Drain With 2" Bottom Outlet, Acid Resistant Top	1,353.27	123.00
			For Vandal Proof Screws, Add	30.50	
			For Primer Tap, Add	33.50	
			For Galvanized Cast Iron Parts, Add	87.50	
22 13 19 13-0110	EA		9" Diameter Floor Drain With 3" Bottom Outlet, Acid Resistant Top	1,382.89	137.76
			For Vandal Proof Screws, Add	30.50	
			For Primer Tap, Add	33.50	
			For Galvanized Cast Iron Parts, Add	87.50	
22 13 19 13-0111	EA		9" Diameter Floor Drain With 4" Bottom Outlet, Acid Resistant Top	1,412.27	152.52
			For Vandal Proof Screws, Add	30.50	
			For Primer Tap, Add	33.50	
			For Galvanized Cast Iron Parts, Add	87.50	
22 13 19 13-0112			Rotary And Lever Drains (22 13 19 13-0102)		
22 13 19 13-0113	EA		1-1/2" Drain, 3" Sink Opening Lever Drain	281.20	82.96
22 13 19 13-0114	EA		2" Drain, 3" Sink Opening Lever Drain	298.36	91.53
22 13 19 13-0115	EA		1-1/2" Drain, 3-1/2" Sink Opening Lever Drain	281.20	82.96
22 13 19 13-0116	EA		2" Drain, 3-1/2" Sink Opening Lever Drain	298.36	91.53
22 13 19 13-0117	EA		1-1/2" Drain, 3" Sink Opening Twist Drain	281.20	82.96
22 13 19 13-0118	EA		2" Drain, 3" Sink Opening Twist Drain	298.36	91.53
22 13 19 13-0119	EA		1-1/2" Drain, 3-1/2" Sink Opening Twist Drain	281.20	82.96
22 13 19 13-0120	EA		2" Drain, 3-1/2" Sink Opening Twist Drain	298.36	91.53
22 13 19 13-0121	EA		1-1/2" To 2" Drain, 3-1/2" Sink Opening Rotary Twist Drain (Fisher 16100)	387.31	91.53

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 13 19 13-0122	Floor Receptor (22 13 19 13)		
22 13 19 13-0123	9" Diameter Round Shallow Receptor (22 13 19 13-0122)		
	Note: With slotted medium duty grate, aluminum secondary strainer and white acid resisting coated interior and top.		
22 13 19 13-0124	EA 9" Diameter x 3" Shallow Cast Iron Floor Receptor, 2" Drain Connection	1,660.56	137.88
	For White Acid Resistant Bucket, Add	47.00	
	For Flange With Seepage Holes, Add	58.50	
	For Stainless Steel Liner For Bucket, Add	62.50	
	For Flange With Seepage Holes And Clamp Collar, Add	97.00	
	For Full Grate With 2" (50 mm) Square Center Opening, Add	36.00	
	For Vandal Proof Secured Grate, Add	33.50	
	For Trap Primer Connection, Add	38.00	
22 13 19 13-0125	EA 9" Diameter x 3" Shallow Cast Iron Floor Receptor, 3" Drain Connection	1,690.41	152.75
	For White Acid Resistant Bucket, Add	47.00	
	For Flange With Seepage Holes, Add	58.50	
	For Stainless Steel Liner For Bucket, Add	62.50	
	For Flange With Seepage Holes And Clamp Collar, Add	97.00	
	For Full Grate With 2" (50 mm) Square Center Opening, Add	36.00	
	For Vandal Proof Secured Grate, Add	33.50	
	For Trap Primer Connection, Add	38.00	
22 13 19 13-0126	EA 9" Diameter x 3" Shallow Cast Iron Floor Receptor, 4" Drain Connection	1,721.34	168.31
	For White Acid Resistant Bucket, Add	47.00	
	For Flange With Seepage Holes, Add	58.50	
	For Stainless Steel Liner For Bucket, Add	62.50	
	For Flange With Seepage Holes And Clamp Collar, Add	97.00	
	For Full Grate With 2" (50 mm) Square Center Opening, Add	36.00	
	For Vandal Proof Secured Grate, Add	33.50	
	For Trap Primer Connection, Add	38.00	
22 13 19 13-0127	Square Top Floor Receptors (22 13 19 13-0122)		
	Note: With acid resistant coating.		
22 13 19 13-0128	EA 8" x 8" Floor Drain With 1-1/2" Bottom Outlet, Acid Resistant Top	1,958.57	123.00
	For Vandal Proof Secured Grate, Add	15.50	
	For Trap Primer Connection, Add	39.50	
	For Flange With Seepage Holes, Add	37.50	
	For Stainless Steel Liner For Bucket, Add	97.00	
	For White Acid Resistant Bucket, Add	88.00	
	For Full Grate With 2" Square Center Opening, Add	36.00	
	For Flange With Seepage Holes And Clamp Collar, Add	69.00	
22 13 19 13-0129	EA 8" x 8" Floor Drain With 2" Bottom Outlet, Acid Resistant Top	1,988.21	137.88
	For Vandal Proof Secured Grate, Add	15.50	
	For Trap Primer Connection, Add	39.50	
	For Flange With Seepage Holes, Add	37.50	
	For Stainless Steel Liner For Bucket, Add	97.00	
	For White Acid Resistant Bucket, Add	88.00	
	For Full Grate With 2" Square Center Opening, Add	36.00	
	For Flange With Seepage Holes And Clamp Collar, Add	69.00	
22 13 19 13-0130	EA 8" x 8" Floor Drain With 3" Bottom Outlet, Acid Resistant Top	2,017.46	152.52
	For Vandal Proof Secured Grate, Add	15.50	
	For Trap Primer Connection, Add	39.50	
	For Flange With Seepage Holes, Add	37.50	
	For Stainless Steel Liner For Bucket, Add	97.00	
	For White Acid Resistant Bucket, Add	88.00	
	For Full Grate With 2" Square Center Opening, Add	36.00	
	For Flange With Seepage Holes And Clamp Collar, Add	69.00	
22 13 19 13-0131	EA 8" x 8" Floor Drain With 4" Bottom Outlet, Acid Resistant Top	2,049.04	168.31
	For Vandal Proof Secured Grate, Add	15.50	
	For Trap Primer Connection, Add	39.50	
	For Flange With Seepage Holes, Add	37.50	
	For Stainless Steel Liner For Bucket, Add	97.00	
	For White Acid Resistant Bucket, Add	88.00	
	For Full Grate With 2" Square Center Opening, Add	36.00	
	For Flange With Seepage Holes And Clamp Collar, Add	69.00	
22 13 19 13-0132	Floor Drain Accessories (22 13 19 13)		
22 13 19 13-0133	EA 3" Trap Guard Floor Drain Insert (ProVent TG3H)	115.59	14.30
	Note: Prevents emission of sewer gases.		
22 13 19 13-0134	EA 2" Trap Guard Drain Insert For Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG22)	93.84	14.30
	Note: Prevents emission of sewer gases.		
22 13 19 13-0135	EA 3" Trap Guard Drain Insert For Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG33)	102.54	14.30
	Note: Prevents emission of sewer gases.		
22 13 19 13-0136	EA 3" Trap Guard Drain Insert For 4" Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG34IP)	124.28	14.30
	Note: Prevents emission of sewer gases.		
22 13 19 13-0137	EA 3" Trap Guard Drain Insert For 4" Hub (ProVent TG34TP)	111.24	14.30
	Note: Prevents emission of sewer gases.		
22 13 19 13-0138	EA 2" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-02)	159.31	14.30
	Note: Prevents emission of sewer gases.		
22 13 19 13-0139	EA 3" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-03)	176.81	14.30
	Note: Prevents emission of sewer gases.		
22 13 19 13-0140	EA 4" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-04)	220.23	14.30
	Note: Prevents emission of sewer gases.		

22 13 19 26 Grease Removal Devices (22 13 19)

		Plumbing	22	22
		Plumbing Piping	22 10	
		Facility Sanitary Sewerage	22 13	
MINOR	DESCRIPTION	TOTAL DIRECT	DEMOLITION	
CSI	UOM	UNIT COST	UNIT COST	

22 13 19 26-0001	Manual Cleaning Epoxy Coated Steel Grease Interceptor (22 13 19 26)			
	Note: Includes internal air relief, visible double wall trap, removable baffle, gasketed non-skid cover bearing PDI seal of approval and flow control fitting.			
22 13 19 26-0002	Standard Manual Cleaning Epoxy Coated Steel Grease Interceptor (22 13 19 26-0001)			
	Note: Josam 60100H/60210A, Smith 8100/8400, Wade 5100, or Zurn Z1173/Z1170 series.			
22 13 19 26-0003	EA 7 GPM, 14 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor.....	1,348.97		85.82
	Note: Josam 60102H.			
	<i>For Steel Enclosure Cabinet With Non-Skid Cover, Add</i>			
		1,330.03		
22 13 19 26-0004	EA 10 GPM, 20 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor.....	1,573.66		193.09
	Note: Josam 60103H.			
	<i>For Steel Enclosure Cabinet With Non-Skid Cover, Add</i>			
		1,406.53		
	<i>For Flange And Clamp Device, Add</i>			
		388.89		
22 13 19 26-0005	EA 15 GPM, 30 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor.....	2,234.83		214.54
	Note: Josam 60104H.			
	<i>For Steel Enclosure Cabinet With Non-Skid Cover, Add</i>			
		1,536.46		
	<i>For Flange And Clamp Device, Add</i>			
		403.19		
22 13 19 26-0006	EA 20 GPM, 40 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor.....	2,699.92		235.99
	Note: Josam 60105H.			
	<i>For Flange And Clamp Device, Add</i>			
		417.49		
	<i>For Steel Enclosure Cabinet With Non-Skid Cover, Add</i>			
		1,660.96		
22 13 19 26-0007	EA 25 GPM, 50 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor.....	3,023.02		257.45
	Note: Josam 60106H.			
	<i>For Flange And Clamp Device, Add</i>			
		462.19		
	<i>For Steel Enclosure Cabinet With Non-Skid Cover, Add</i>			
		1,730.73		
22 13 19 26-0008	EA 35 GPM, 70 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor.....	3,712.79		300.36
	Note: Josam 60107H.			
	<i>For Flange And Clamp Device, Add</i>			
		502.00		
	<i>For Steel Enclosure Cabinet With Non-Skid Cover, Add</i>			
		1,906.11		
22 13 19 26-0009	EA 50 GPM, 100 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor.....	4,844.31		343.26
	Note: Josam 60108H.			
	<i>For Steel Enclosure Cabinet With Non-Skid Cover, Add</i>			
		2,034.46		
	<i>For Flange And Clamp Device, Add</i>			
		571.56		
22 13 19 26-0010	EA 75 GPM, 150 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor.....	9,530.06		386.17
	Note: Josam 60109H.			
	<i>For Flange And Clamp Device, Add</i>			
		801.45		
22 13 19 26-0011	EA 100 GPM, 200 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor.....	10,780.71		478.99
	Note: Josam 60110H.			
	<i>For Flange And Clamp Device, Add</i>			
		927.33		
22 13 19 26-0012	EA 150 GPM, 300 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor.....	13,296.73		766.37
	Note: Josam 60213A.			
	<i>For Flange And Clamp Device, Add</i>			
		1,278.92		
22 13 19 26-0013	EA 200 GPM, 400 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor.....	19,084.50		957.96
	Note: Josam 60214A.			
	<i>For Flange And Clamp Device, Add</i>			
		1,535.93		
22 13 19 26-0014	EA 250 GPM, 500 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor.....	22,261.62		1,149.56
	Note: Josam 60215A.			
	<i>For Flange And Clamp Device, Add</i>			
		1,976.61		
22 13 19 26-0015	EA 350 GPM, 700 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor.....	28,929.87		1,341.15
	Note: Josam 60216A.			
	<i>For Flange And Clamp Device, Add</i>			
		2,342.10		
22 13 19 26-0016	EA 500 GPM, 1,000 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor.....	37,433.45		1,532.74
	Note: Josam 60217A.			
	<i>For Flange And Clamp Device, Add</i>			
		2,743.11		
22 13 19 26-0017	Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor (22 13 19 26-0001)			
	Note: Josam 60110A, Smith 8100, Wade 5100LR, or Zurn Z1171 series.			
22 13 19 26-0018	EA 20 GPM, 40 Lb. Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor.....	3,889.93		235.99
	Note: Josam 60115A.			
22 13 19 26-0019	EA 35 GPM, 70 Lb. Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor.....	5,004.22		300.36
	Note: Josam 60117A.			
22 13 19 26-0020	EA 50 GPM, 100 Lb. Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor.....	8,258.05		343.26
	Note: Smith 8150.			
22 13 19 26-0021	Semi-Automatic Cleaning Epoxy Coated Steel Grease Interceptor (22 13 19 26)			
	Note: Includes internal air relief, visible double wall trap, removable baffle, gasketed non-skid cover bearing PDI seal of approval, grease recovery cone, flexible hose, grease draw off valve and flow control fitting.			
22 13 19 26-0022	Standard Semi-Automatic Cleaning Epoxy Coated Steel Grease Interceptor (22 13 19 26-0021)			
	Note: Josam 60100-SA, Smith 8300GTX, Wade 5100JCX, or Zurn Z1173-TD series.			
22 13 19 26-0023	EA 7 GPM, 14 Lb. Capacity Semi-Automatic Epoxy Coated Steel Grease Interceptor	3,419.46		85.82
	Note: Josam 60102-SA.			
	<i>For Steel Enclosure Cabinet With Non-Skid Cover, Add</i>			
		1,330.03		
22 13 19 26-0024	EA 10 GPM, 20 Lb. Capacity Semi-Automatic Epoxy Coated Steel Grease Interceptor	4,021.28		193.09
	Note: Josam 60103-SA.			
	<i>For Steel Enclosure Cabinet With Non-Skid Cover, Add</i>			
		1,406.53		
22 13 19 26-0025	EA 15 GPM, 30 Lb. Capacity Semi-Automatic Epoxy Coated Steel Grease Interceptor	4,296.30		214.54
	Note: Josam 60104-SA.			
	<i>For Steel Enclosure Cabinet With Non-Skid Cover, Add</i>			
		1,536.46		
22 13 19 26-0026	EA 20 GPM, 40 Lb. Capacity Semi-Automatic Epoxy Coated Steel Grease Interceptor	5,243.70		235.99
	Note: Josam 60105-SA.			
	<i>For Steel Enclosure Cabinet With Non-Skid Cover, Add</i>			
		1,660.96		
22 13 19 26-0027	EA 25 GPM, 50 Lb. Capacity Semi-Automatic Epoxy Coated Steel Grease Interceptor	6,321.82		257.45
	Note: Josam 60106-SA.			
	<i>For Steel Enclosure Cabinet With Non-Skid Cover, Add</i>			
		1,730.73		

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI UOM DESCRIPTION		UNIT COST		UNIT COST	
22 13 19 26-0028	EA	35 GPM, 70 Lb. Capacity Semi-Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60107-SA.	6,536.04		300.36
For Steel Enclosure Cabinet With Non-Skid Cover, Add			1,906.11		
22 13 19 26-0029	EA	50 GPM, 100 Lb. Capacity Semi-Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60108-SA.	7,460.96		343.26
For Steel Enclosure Cabinet With Non-Skid Cover, Add			2,034.46		
22 13 19 26-0030 Low Profile Semi-Automatic Cleaning Epoxy Coated Steel Grease Interceptor (22 13 19 26-0021) Note: Josam 60115A-SA, Smith 8100GTX, or Zurn Z1171-TD series.					
22 13 19 26-0031	EA	35 GPM, 70 Lb. Capacity Low Profile Semi-Automatic Epoxy Coated Steel Grease Interceptor..... Note: Josam 60115A-SA.	8,783.83		300.36
22 13 19 26-0032 Automatic Cleaning Stainless Steel Grease Interceptor (22 13 19 26)					
22 13 19 26-0033	EA	20 GPM, 69 Lb. Capacity Automatic Cleaning Stainless Steel Grease Interceptor Note: Includes stainless steel screen basket, plastic grease container with lid and control box with digital timer (Lowe Engineering 20 Greasestopper).	7,481.01		235.99
22 13 19 26-0034	EA	25 GPM, 91 Lb. Capacity Automatic Cleaning Stainless Steel Grease Interceptor Note: Includes stainless steel screen basket, plastic grease container with lid and control box with digital timer (Lowe Engineering 25 Greasestopper).	8,701.81		257.45
22 13 19 26-0035	EA	35 GPM, 70 Lb. Capacity, 110 Volt, Automatic Cleaning Stainless Steel Grease Trap/Removal Device (Guardian GGX35)	7,455.47		300.36
22 13 19 26-0036 Precast Concrete Grease Interceptor (22 13 19 26) Note: Includes two access manholes, cast iron non-skid surface, lift hole, frame and cover for heavy-traffic.					
22 13 19 26-0037	EA	1,000 Gallon Pre-Cast Grease Interceptor.....	4,866.07		430.79
22 13 19 26-0038	EA	1,250 Gallon Pre-Cast Grease Interceptor.....	5,555.70		430.79
22 13 19 26-0039	EA	1,500 Gallon Pre-Cast Grease Interceptor.....	6,306.26		492.50
22 13 19 26-0040	EA	2,000 Gallon Pre-Cast Grease Interceptor.....	7,201.91		695.52
22 13 19 26-0041	EA	2,500 Gallon Pre-Cast Grease Interceptor.....	8,137.71		935.77
22 13 19 26-0042	EA	4,000 Gallon Pre-Cast Grease Interceptor.....	12,173.10		1,231.17
22 13 19 26-0043	EA	5,000 Gallon Pre-Cast Grease Interceptor.....	15,711.12		2,018.93
22 13 19 26-0044 Coated Steel Manual Oil Interceptor (22 13 19 26) Note: Includes internal air relief, and flow control fitting.					
22 13 19 26-0045	EA	10 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	9,798.87		326.81
22 13 19 26-0046	EA	15 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	13,323.09		388.32
22 13 19 26-0047	EA	20 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	16,118.22		477.79
22 13 19 26-0048	EA	25 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	17,504.24		517.55
22 13 19 26-0049	EA	35 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	21,152.49		564.77
22 13 19 26-0050	EA	50 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	28,173.00		621.31
22 13 19 26-0051	EA	75 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	48,071.58		715.13
22 13 19 26-0052	EA	100 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	52,328.82		879.89
22 13 19 26-0053	EA	150 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	64,544.80		953.70
22 13 19 26-0054	EA	200 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	90,785.86		1,144.20
22 13 19 26-0055	EA	250 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	104,937.77		1,230.02
22 13 19 26-0056	EA	350 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	132,433.57		1,466.88
22 13 19 26-0057	EA	400 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	161,252.20		1,201.99
22 13 19 26-0058	EA	500 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	191,005.71		1,430.26
22 13 19 33 Backwater Valves (22 13 19)					
22 13 19 33-0001 Cast Iron Body Terminal Backwater Valves (22 13 19 33)					
22 13 19 33-0002	EA	2" Cast Iron Body Terminal Backwater Valve	663.91		32.83
22 13 19 33-0003	EA	3" Cast Iron Body Terminal Backwater Valve	676.49		41.30
22 13 19 33-0004	EA	4" Cast Iron Body Terminal Backwater Valve	978.42		54.92
22 13 19 33-0005	EA	6" Cast Iron Body Terminal Backwater Valve	2,673.40		75.13
22 13 19 33-0006	EA	8" Cast Iron Body Terminal Backwater Valve	3,264.86		98.87
22 13 19 33-0007	EA	10" Cast Iron Body Terminal Backwater Valve	9,550.15		121.98
22 13 19 33-0008	EA	12" Cast Iron Body Terminal Backwater Valve	10,806.09		158.21
22 13 19 33-0009 Cast Iron Backwater Sewer Line Valve (22 13 19 33) Note: Offset type with bronze swing check assembly, threaded bronze cover, and bell and spigot connections.					
22 13 19 33-0010	EA	2" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	1,629.91		78.29
22 13 19 33-0011	EA	3" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	2,501.00		94.97
22 13 19 33-0012	EA	4" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	3,089.91		122.44
22 13 19 33-0013	EA	6" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	4,358.89		136.50
22 13 19 33-0014	EA	8" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	6,064.79		161.74
22 13 19 33-0015 Cast Iron, Straight Through Shear Gate, Swing Check Backwater Valve (22 13 19 33) Note: Offset type with bronze, manually operated shear gate, non-rising stem, and bell and spigot connections.					
22 13 19 33-0016	EA	3" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve	4,516.98		123.92
22 13 19 33-0017	EA	4" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve	4,578.31		164.76
22 13 19 33-0018	EA	5" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve	6,681.19		202.16
22 13 19 33-0019	EA	6" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve	6,716.33		225.37

22 13 19 33-0020		Polyvinyl Chloride (PVC) Backwater Sewer Line Valve (22 13 19 33) Note: Oatey.		
22 13 19 33-0021	EA	3" Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43900).....	146.96	41.30
22 13 19 33-0022	EA	4" Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43904).....	176.15	54.92
22 13 19 33-0023	EA	6" Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43908).....	512.46	75.13
22 13 19 33-0024		Polyvinyl Chloride (PVC) Extendable Backwater Valves (22 13 19 33)		
22 13 19 33-0025	EA	3" Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check)..... Note: Includes valve body, flapper assembly and collar.	346.19	82.61
22 13 19 33-0026	EA	4" Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check)..... Note: Includes valve body, flapper assembly and collar.	460.98	109.84
22 13 19 33-0027	EA	6" Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check)..... Note: Includes valve body, flapper assembly and collar.	792.48	150.25
22 13 19 36		Air-Admittance Valves (22 13 19)		
22 13 19 36-0001		Acrylonitrile Butadiene Styrene (ABS) And Polyvinyl Chloride (PVC) Automatic Drain Vent (22 13 19 36)		
22 13 19 36-0002	EA	1-1/4", 1-1/2" And 2" Acrylonitrile Butadiene Styrene (ABS) Or Polyvinyl Chloride (PVC) Automatic Drain Vent, Mini Vent	212.06	16.02
22 13 19 36-0003	EA	2", 3" And 4" Acrylonitrile Butadiene Styrene (ABS) Or Polyvinyl Chloride (PVC) Automatic Drain Vent, Maxi Vent	252.96	16.02
22 13 23		Sanitary Waste Interceptors (22 13)		
22 13 23 00-0001		Sediment Bucket Solids Interceptors (22 13 23)		
22 13 23 00-0002	EA	1-1/2" Or 2" Top Access, 15 GPM, Composite With Removable PVC Sediment Bucket Solids Interceptor (Zurn 1180)..... Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.	1,327.36	162.02
22 13 23 00-0003	EA	1-1/2" Or 2" Bottom Access, 15 GPM, Composite With Removable PVC Sediment Bucket Solids Interceptor (Zurn 1184)..... Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.	1,329.02	162.02
22 13 23 00-0004	EA	1-1/2" Or 2" Top Access, Acid Resistant Coated Steel (Inside And Outside), Aluminum Cover, Removable Stainless Steel Sediment Bucket Solids Interceptor (Jay R. Smith 8714 ARIO)..... Note: On floor mount. Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.	1,867.89	162.02
22 13 23 00-0005	EA	1-1/2" Or 2" Bottom Access, 15 GPM, Acid Resistant Coated Cast Iron, Aluminum Strainer, Removable Stainless Steel Screens, Sediment Bucket Solids Interceptor (Jay R. Smith 8730-ARIO)..... Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.	1,867.89	162.02
22 13 23 00-0006	EA	1-1/2" Or 2" Top Access, Acid Resistant Coated Cast Aluminum (Inside And Outside) Removable Stainless Steel Screen, Sediment Bucket Solids Interceptor (Josam 61030)	1,989.88	162.02
		Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.		
22 13 23 00-0007		Drum Trap, Solids Interceptors (22 13 23)		
22 13 23 00-0008		Extra Heavy-Duty Cast Iron Drum Trap (22 13 23 00-0007)		
22 13 23 00-0009	EA	8-1/2" Diameter x 12-3/4" High Solids Interceptor, 1-1/2" Inlet/Outlet, Extra Heavy Cast Iron	1,566.25	160.19
		For Acid Coating Inside Or Outside, Add	753.09	
		For Acid Coating Inside And Outside, Add	906.50	
22 13 23 00-0010	EA	8-1/2" Diameter x 12-3/4" High Solids Interceptor, 2" Inlet/Outlet, Extra Heavy Cast Iron	1,594.86	183.07
		For Acid Coating Inside Or Outside, Add	753.09	
		For Acid Coating Inside And Outside, Add	906.50	
22 13 23 00-0011		Aluminum, Solid Interceptor, Drum Trap (22 13 23 00-0007)		
22 13 23 00-0012	EA	8-1/2" Diameter x 12-3/4" High Solids Interceptor, 1-1/2" Inlet/Outlet, Aluminum.....	2,131.95	160.19
22 13 23 00-0013	EA	8-1/2" Diameter x 12-3/4" High Solids Interceptor, 2" Inlet/Outlet, Aluminum	2,160.56	183.07
22 13 23 00-0014		Solid Interceptors, Cast Iron With Internal Deep Seal Trap (22 13 23)		
22 13 23 00-0015	EA	1-1/2" Inlet Cast Iron Solid Interceptor, Painted Enamel..... For Stainless Steel Bucket, Add	333.39 175.00	55.42
22 13 23 00-0016	EA	2" Inlet Cast Iron Solid Interceptor, Painted Enamel..... For Stainless Steel Bucket, Add	340.48 175.00	59.03
22 13 23 00-0017		Sediment Strainers (22 13 23)		
22 13 23 00-0018	EA	2" Strainer, Pump Suction Side	192.30	75.55
22 13 29		Sanitary Sewerage Pumps (22 13)		
		Note: Includes extra set of gaskets, bearings and seals.		
22 13 29 13		Wet-Pit-Mounted, Vertical Sewerage Pumps (22 13 29)		
22 13 29 13-0001		Vertical Column, Flanged Discharge, Non-Clog Sump Or Drainage Pumps (Crane-DeMing Series 4500) (22 13 29 13) Note: Mounted on steel support plate. Excludes float and float switch, and sump cover See CSI section 22 13 29 13-0030 for float and float switch, 22 13 29 13-0034 for sump cover.		

MINOR	CSI	UOM	DESCRIPTION
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TOTAL DIRECT	DEMOLITION
UNIT COST	UNIT COST

22 13 29 13-0002	1-1/2" Solids 1,750 RPM Vertical Sump Or Drainage Pumps (22 13 29 13-0001)		
22 13 29 13-0003	EA 1/2 HP, Up To 75 GPM Sump Or Drainage Pump, Vertical Non-Clog, 2-1/2" Discharge Pipe, 1,750 RPM	7,915.76	1,372.59
22 13 29 13-0004	EA 3/4 HP, Up To 125 GPM Sump Or Drainage Pump, Vertical Non-Clog, 2-1/2" Discharge Pipe, 1,750 RPM	8,233.57	1,372.59
22 13 29 13-0005	EA 1 HP, Up To 150 GPM Sump Or Drainage Pump, Vertical Non-Clog, 2-1/2" Discharge Pipe, 1,750 RPM	8,551.38	1,372.59
22 13 29 13-0006	EA 1-1/2 HP, Up To 150 GPM Sump Or Drainage Pump, Vertical Non-Clog, 2-1/2" Discharge Pipe, 1,750 RPM	8,854.53	1,372.59
22 13 29 13-0007	2" Solids 1,750 RPM Vertical Sump Or Drainage Pumps (22 13 29 13-0001)		
22 13 29 13-0008	EA 3/4 HP, Up To 75 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Discharge Pipe, 1,750 RPM	8,795.85	1,372.59
22 13 29 13-0009	EA 1 HP, Up To 100 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Discharge Pipe, 1,750 RPM	8,918.09	1,372.59
22 13 29 13-0010	EA 2 HP, Up To 200 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Discharge Pipe, 1,750 RPM	9,003.65	1,372.59
22 13 29 13-0011	EA 3 HP, Up To 300 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Discharge Pipe, 1,750 RPM	9,590.38	1,372.59
22 13 29 13-0012	EA 5 HP, Up To 400 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Discharge Pipe, 1,750 RPM	10,164.88	1,372.59
22 13 29 13-0013	EA 7-1/2 HP, Up To 500 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Discharge Pipe, 1,750 RPM	11,044.98	1,372.59
22 13 29 13-0014	EA 10 HP, Up To 600 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Discharge Pipe, 1,750 RPM	11,925.07	1,372.59
22 13 29 13-0015	EA 15 HP, Up To 600 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Discharge Pipe, 1,750 RPM	13,713.22	1,826.61
22 13 29 13-0016	3" Solids 1,750 RPM Vertical Sump Or Drainage Pumps (22 13 29 13-0001)		
22 13 29 13-0017	EA 2 HP, Up To 300 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Discharge Pipe, 1,750 RPM	9,408.33	1,372.59
22 13 29 13-0018	EA 3 HP, Up To 400 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Discharge Pipe, 1,750 RPM	9,408.33	1,372.59
22 13 29 13-0019	EA 5 HP, Up To 500 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Discharge Pipe, 1,750 RPM	9,620.10	1,372.59
22 13 29 13-0020	EA 7-1/2 HP, Up To 700 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Discharge Pipe, 1,750 RPM	11,263.33	1,372.59
22 13 29 13-0021	EA 10 HP, Up To 800 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Discharge Pipe, 1,750 RPM	11,551.58	1,372.59
22 13 29 13-0022	EA 15 HP, Up To 900 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Discharge Pipe, 1,750 RPM	13,814.62	1,826.61
22 13 29 13-0023	EA 20 HP, Up To 900 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Discharge Pipe, 1,750 RPM	14,548.03	1,826.61
22 13 29 13-0024	Extra Column Assemblies Addition, 5' Or Less (22 13 29 13-0001)		
22 13 29 13-0025	EA 2-1/2" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps	544.22	
22 13 29 13-0026	EA 3" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps	653.44	
22 13 29 13-0027	EA 4" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps	730.37	
22 13 29 13-0028	EA 5" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps	743.67	
22 13 29 13-0029	EA 6" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps	834.84	
22 13 29 13-0030	Float Switches (22 13 29 13-0001)		
	Note: Copper coated floats, brass rods and stops and switch brackets.		
22 13 29 13-0031	EA Float Switch Copper Coated Float, Add, General Purpose For vertical sewage pumps	489.13	
22 13 29 13-0032	EA Float Switch Copper Coated Float, Add, Weather Proof For vertical sewage pumps	513.82	
22 13 29 13-0033	EA Float Switch Copper Coated Float, Add, Explosion Proof For vertical sewage pumps	525.22	
22 13 29 13-0034	Square Or Round Steel Sump Covers (22 13 29 13-0001)		
22 13 29 13-0035	EA 24" Steel Sump Covers, Square Or Round	995.22	45.77
22 13 29 13-0036	EA 30" Steel Sump Covers, Square Or Round	1,101.60	51.49
22 13 29 13-0037	EA 36" Steel Sump Covers, Square Or Round	1,529.91	68.65
22 13 29 13-0038	EA 40" Steel Sump Covers, Square Or Round	2,229.33	80.10
22 13 29 13-0039	EA 42" Steel Sump Covers, Square Or Round	2,391.44	82.96
22 13 29 13-0040	EA 48" Steel Sump Covers, Square Or Round	2,558.34	85.82
22 13 29 13-0041	EA 54" Steel Sump Covers, Square Or Round	3,261.91	102.98
22 13 29 13-0042	EA 60" Steel Sump Covers, Square Or Round	4,430.61	114.42
22 13 29 13-0043	EA 72" Steel Sump Covers, Square Or Round	5,618.75	143.03
22 13 29 13-0044	EA 84" Steel Sump Covers, Square Or Round	7,153.89	157.33
22 13 29 16	Submersible Sewerage Pumps (22 13 29)		
22 13 29 16-0001	Submersible Sewage Pumps With Vortex Impeller (22 13 29 16)		
22 13 29 16-0002	Submersible Single Seal Sewage Pumps With Cast Iron Vortex Impeller (22 13 29 16-0001)		
	Note: Includes 25' cord.		
22 13 29 16-0003	EA 1/2 HP Manual Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,639.45	83.25
22 13 29 16-0004	EA 1/2 HP Automatic Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,749.15	83.25
22 13 29 16-0005	EA 1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,715.40	83.25
22 13 29 16-0006	EA 1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,877.13	83.25
22 13 29 16-0007	EA 1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,877.13	83.25
22 13 29 16-0008	EA 1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,981.45	104.07
22 13 29 16-0009	EA 1 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	2,124.91	104.07
22 13 29 16-0010	EA 1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	2,143.19	104.07
22 13 29 16-0011	Submersible Single Seal Sewage Pumps With Bronze Vortex Impeller (22 13 29 16-0001)		
	Note: Includes 20' cord.		
22 13 29 16-0012	EA 1/2 HP Manual Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,670.39	83.25

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 16-0013	EA	1/2 HP Automatic Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	1,827.91	83.25
22 13 29 16-0014	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	1,753.37	83.25
22 13 29 16-0015	EA	1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	1,905.26	83.25
22 13 29 16-0016	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	2,041.68	83.25
22 13 29 16-0017	EA	1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	1,894.26	104.07
22 13 29 16-0018	EA	1 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	2,057.40	104.07
22 13 29 16-0019	EA	1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	2,055.99	104.07
22 13 29 16-0020	EA	1-1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	2,343.65	167.75
22 13 29 16-0021	EA	1-1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	2,481.48	167.75
22 13 29 16-0022	EA	1-1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	2,505.39	167.75
22 13 29 16-0023	EA	2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	2,500.26	205.04
22 13 29 16-0024	EA	2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	2,657.78	205.04
22 13 29 16-0025	EA	2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	2,662.00	205.04
22 13 29 16-0026		Submersible Double Seal Sewage Pumps With Bronze Vortex Impeller (22 13 29 16-0001) Note: Includes 20' cord.		
22 13 29 16-0027	EA	1/2 HP Manual Submersible Double Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	1,985.42	83.25
22 13 29 16-0028	EA	1/2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	2,252.64	83.25
22 13 29 16-0029	EA	1 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron And Bronze Impeller.....	2,193.82	104.07
22 13 29 16-0030	EA	1 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron And Bronze Impeller.....	2,355.56	104.07
22 13 29 16-0031	EA	1-1/2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	2,665.72	167.75
22 13 29 16-0032	EA	1-1/2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	2,827.45	167.75
22 13 29 16-0033	EA	2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	2,823.73	205.04
22 13 29 16-0034	EA	2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	2,985.47	205.04
22 13 29 16-0035		Submersible Sewage Pumps With Semi-Open Impeller (22 13 29 16) Note: Includes 25' of cord with pump.		
22 13 29 16-0036	EA	1 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....	4,865.09	104.07
22 13 29 16-0037	EA	1.5 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....	5,177.69	168.63
22 13 29 16-0038	EA	2 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....	5,537.08	206.10
22 13 29 16-0039	EA	3 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....	5,783.05	249.82
22 13 29 16-0040	EA	5 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....	6,486.51	293.54
22 13 29 16-0041	EA	7.5 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....	7,243.48	337.26
22 13 29 16-0042		Submersible Sewage Pumps, Explosion Proof (22 13 29 16) Note: Includes 25' of cord with pump.		
22 13 29 16-0043	EA	1 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	7,662.18	372.93
22 13 29 16-0044	EA	1 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	7,065.52	372.93
22 13 29 16-0045	EA	1 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	7,065.52	372.93
22 13 29 16-0046	EA	1.5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	8,025.16	497.23
22 13 29 16-0047	EA	1.5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	7,428.50	497.23
22 13 29 16-0048	EA	1.5 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	7,428.50	497.23
22 13 29 16-0049	EA	2 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	8,511.20	621.54
22 13 29 16-0050	EA	2 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	7,914.54	621.54
22 13 29 16-0051	EA	2 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	7,914.54	621.54
22 13 29 16-0052	EA	3 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	8,881.63	745.85
22 13 29 16-0053	EA	3 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	8,284.97	745.85

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**
 MINOR
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 TOTAL DIRECT DEMOLITION
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22 13 29 16-0054	EA	3 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	8,284.97	745.85
22 13 29 16-0055	EA	5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	9,807.71	870.16
22 13 29 16-0056	EA	5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	9,211.05	870.16
22 13 29 16-0057	EA	5 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	9,211.05	870.16
22 13 29 16-0058	EA	7.5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	10,150.81	994.47
22 13 29 16-0059	EA	7.5 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	10,150.81	994.47

22 13 29 16-0060 Submersible Sewage Pump Accessories (22 13 29 16)

22 13 29 16-0061	EA	Simplex Plug In Pump Control Panel with Alarm Float Only, 115 Volt, 1 Phase, 0-15 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump.....	784.77	88.03
Note: Includes alarm horn, warning light and alarm float switch.				
22 13 29 16-0062	EA	Simplex Plug In Pump Control Panel with Alarm Float Only, 230 Volt, 1 Phase, 0-15 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump.....	811.64	88.03
Note: Includes alarm horn, warning light, and alarm float switch.				
22 13 29 16-0063	EA	Simplex Control Panel With 3 Floats, 115/208/230 Volt, 1 Phase, 0-20 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump.....	1,621.46	117.37
Note: Includes alarm horn, warning light, HOA switch and three 20' control float switches.				
22 13 29 16-0064	EA	Simplex Control Panel 208/230/460 Volt, 3 Phase, 1-23 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump	2,309.45	117.37
Note: Includes alarm horn and warning light. Control float switches not included.				
22 13 29 16-0065	EA	Simplex Intrinsically Safe Control Panel, 230 Volt, 1 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors	4,796.33	117.37
Note: Includes alarm horn and warning light. Control float switches not included.				
22 13 29 16-0066	EA	Simplex Intrinsically Safe Control Panel, 200/230/460 Volt, 3 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors.....	5,019.25	117.37
Note: Includes alarm horn and warning light. Control float switches not included.				
22 13 29 16-0067	EA	Duplex Intrinsically Safe Control Panel, 230 Volt, 1 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors	8,030.84	146.71
Note: Includes alarm horn and warning light. Control float switches not included.				
22 13 29 16-0068	EA	Duplex Intrinsically Safe Control Panel, 200/230/460 Volt, 3 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors.....	6,762.68	146.71
Note: Includes alarm horn and warning light. Control float switches not included.				
22 13 29 16-0069	EA	Electrical Alternator Duplex Control Panel with 3 Floats, 115 Volt, 1 Phase, 7-20 Amperes Range, Indoor NEMA 1 Enclosure For Submersible Sewage Pumps	1,791.68	146.71
Note: Includes alarm horn, warning light, and three 20' float switches.				
22 13 29 16-0070	EA	Electrical Alternator Duplex Control Panel With 3 Floats, 115 Volt, 1 Phase, 7-20 Amperes Range, Indoor NEMA 4X Enclosure For Submersible Sewage Pumps	1,979.80	146.71
Note: Includes alarm horn, warning light, and three 20' float switches.				
22 13 29 16-0071	EA	Electrical Alternator Duplex Control Panel With 3 Floats, 115/200/230 Volt, 1 Phase, 0-20 Amperes, Indoor NEMA 1 Enclosure For Submersible Sewage Pumps	1,897.83	146.71
Note: Includes alarm horn, warning light, and three 20' float switches.				
22 13 29 16-0072	EA	Electrical Alternator Duplex Control Panel With 3 Floats, 115/200/230 Volt, 1 Phase, 0-30 Amperes Range, Indoor NEMA 4X Enclosure For Submersible Sewage Pumps.....	2,067.37	146.71
Note: Includes alarm horn, warning light, and three 20' float switches.				
22 13 29 16-0073	EA	Electrical Alternator Duplex Control Panel, 200/230/460 Volt, 3 Phase, 1-25 Amperes Range, Indoor/Outdoor NEMA 4X Enclosure For Submersible Sewage Pumps.....	3,581.65	146.71
Note: Includes alarm horn and warning light. Float switches not included.				
22 13 29 16-0074	EA	Alarm System, 115 Volt, Indoor/Outdoor 4X Enclosure	656.21	58.68
Note: Includes alarm horn, warning light and 15' tethered float.				
22 13 29 16-0075	EA	Variable Level (Clamp Type) Float Switch With 15' Cord	117.81	29.35
Note: Not for use with Intrinsically Safe Control Systems.				
22 13 29 16-0076	EA	Variable Level (Clamp Type) Float Switch With 15' Cord For Intrinsically Safe Control Systems Only.....	133.66	29.35
22 13 29 16-0077	EA	Variable Level (Adjustable Weight Type) Float Switch With 25' Cord	153.92	29.35
Note: Not for use with Intrinsically Safe Control Systems.				
22 13 29 16-0078	EA	Variable Level (Adjustable Weight Type) Float Switch With 25' Cord For Intrinsically Safe Control Systems Only	150.67	29.35
22 13 29 16-0079	EA	Float Switch Tree With (3) 15' Floats	482.25	29.35
Note: Not for use with Intrinsically Safe Control Systems.				
22 13 29 16-0080	EA	Float Switch Tree And (3) Floats With 15' Cords For Intrinsically Safe Control Systems Only	492.37	29.35
22 13 29 16-0081	EA	Float Switch Tree And (4) Floats With 15' Cords	538.17	29.35
Note: Not for use with Intrinsically Safe Control Systems.				
22 13 29 16-0082	EA	Float Switch Tree And (4) Floats With 15' Cords For Intrinsically Safe Control Systems Only	561.55	29.35
22 13 29 16-0083	EA	Float Switch Tree.....	251.81	29.35
Note: Tree only.				
22 13 29 16-0084	EA	Adjustable Weight For Float Switch	64.77	14.67
22 13 29 16-0085	EA	Rail And Disconnect System, Stainless Steel, For 2" Horizontal Discharge	1,355.56	88.03
Note: Lifting equipment not included.				
22 13 29 16-0086	EA	Rail And Disconnect System, Stainless Steel, For 3" Horizontal Discharge	2,133.15	117.37
Note: Lifting equipment not included.				
22 13 29 16-0087	EA	Rail And Disconnect System, Stainless Steel, For 4" Horizontal Discharge	2,788.74	146.71
Note: Lifting equipment not included.				
22 13 29 16-0088	EA	Rail And Disconnect System, Stainless Steel Non-Sparking, For 3" Horizontal Discharge	2,741.10	88.03
22 13 29 16-0089	EA	Rail And Disconnect System, Stainless Steel Non-Sparking, For 4" Horizontal Discharge	3,880.30	88.03
22 13 29 16-0090	EA	Intermediate Guide Rail Bracket, Stainless Steel, For 2" Rail System	377.39	58.68
22 13 29 16-0091	EA	Intermediate Guide Rail Bracket, Stainless Steel, For 3" Rail Systems	676.53	73.36
22 13 29 16-0092	EA	Intermediate Guide Rail Bracket, Stainless Steel, For 4" Rail Systems	672.33	88.03
22 13 29 16-0093	EA	12" Stainless Steel Lifting Cable.....	185.89	29.35
22 13 29 16-0094	EA	Disconnect Fitting For 2" Horizontal Discharge.....	378.81	29.35
Note: Used for shallow systems where guide rails are not necessary.				

22 13 29 33 Sewerage Pump Basins and Pits (22 13 29)

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22 13 29 33-0001	Sewage Sump Pump Basin (22 13 29 33)				
22 13 29 33-0002	High-Density Polyethylene (HDPE) Basin (22 13 29 33-0001)				
22 13 29 33-0003	EA	18" Diameter x 24" High, High-Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	157.82		
22 13 29 33-0004	EA	18" Diameter x 30" High, High-Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	204.59		
22 13 29 33-0005	EA	24" Diameter x 30" High, High-Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	468.94		
22 13 29 33-0006	EA	24" Diameter x 36" High, High-Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	659.41		
22 13 29 33-0007	EA	30" Diameter x 36" High, High-Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	849.86		
22 13 29 33-0008	EA	36" Diameter x 36" High, High-Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	989.00		
22 13 29 33-0009	Fiberglass Basin (22 13 29 33-0001)				
22 13 29 33-0010	EA	18" Diameter x 30" High Fiberglass Basin And Lid With Inlet And Hub	399.62		
22 13 29 33-0011	EA	24" Diameter x 30" High Fiberglass Basin And Lid With Inlet And Hub	815.19		
22 13 29 33-0012	EA	30" Diameter x 36" High Fiberglass Basin And Lid With Inlet And Hub	1,465.82		
22 13 29 33-0013	EA	36" Diameter x 36" High Fiberglass Basin And Lid With Inlet And Hub	1,974.09		
22 13 29 33-0014	EA	36" Diameter x 48" High Fiberglass Basin And Lid With Inlet And Hub	2,275.00		
22 13 29 33-0015	EA	36" Diameter x 60" High Fiberglass Basin And Lid With Inlet And Hub	2,402.70		
22 13 29 33-0016	EA	36" Diameter x 72" High Fiberglass Basin And Lid With Inlet And Hub	2,823.16		
22 13 29 33-0017	EA	48" Diameter x 48" High Fiberglass Basin And Lid With Inlet And Hub	3,278.61		

22 14 Facility Storm Drainage (22 10)

22 14 13 Facility Storm Drainage Piping (22 14)
See CSI section 22 13 16 00-0000 for storm drainage piping.

22 14 26 Facility Storm Drains (22 14)

22 14 26 13 Roof Drains (22 14 26)

22 14 26 13-0001 Cast Iron Roof Drains (22 14 26 13)

22 14 26 13-0002 Cast Iron Roof Drains With Large Polypropylene Dome (22 14 26 13-0001)

Note: Dome free area is 124 square inches.

22 14 26 13-0003	EA	15" Diameter Cast Iron Roof Drain With 2" Outlet, 124 Square Inch Free Area Polypropylene Dome	991.23	190.74
		For Galvanized Iron Parts, Add	518.00	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00	
		For Bronze Dome, Add	448.80	
		For Deck Clamp Assembly, Add	130.00	
		For Drain Receiver, Add	147.00	
22 14 26 13-0004	EA	15" Diameter Cast Iron Roof Drain With 3" Outlet, 124 Square Inch Free Area Polypropylene Dome	1,086.58	228.84
		For Galvanized Iron Parts, Add	518.00	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00	
		For Bronze Dome, Add	448.80	
		For Deck Clamp Assembly, Add	130.00	
		For Drain Receiver, Add	147.00	
22 14 26 13-0005	EA	15" Diameter Cast Iron Roof Drain With 4" Outlet, 124 Square Inch Free Area Polypropylene Dome	1,181.93	286.05
		For Galvanized Iron Parts, Add	518.00	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00	
		For Bronze Dome, Add	448.80	
		For Deck Clamp Assembly, Add	130.00	
		For Drain Receiver, Add	147.00	
22 14 26 13-0006	EA	15" Diameter Cast Iron Roof Drain With 5" Outlet, 124 Square Inch Free Area Polypropylene Dome	1,586.92	343.26
		For Galvanized Iron Parts, Add	518.00	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00	
		For Bronze Dome, Add	448.80	
		For Deck Clamp Assembly, Add	130.00	
		For Drain Receiver, Add	147.00	
22 14 26 13-0007	EA	15" Diameter Cast Iron Roof Drain With 6" Outlet, 124 Square Inch Free Area Polypropylene Dome	1,634.59	381.36
		For Galvanized Iron Parts, Add	518.00	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00	
		For Bronze Dome, Add	448.80	
		For Deck Clamp Assembly, Add	130.00	
		For Drain Receiver, Add	147.00	
22 14 26 13-0008	EA	15" Diameter Cast Iron Roof Drain With 8" Outlet, 124 Square Inch Free Area Polypropylene Dome	1,932.69	400.47
		For Galvanized Iron Parts, Add	518.00	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00	
		For Bronze Dome, Add	448.80	
		For Deck Clamp Assembly, Add	130.00	
		For Drain Receiver, Add	147.00	
22 14 26 13-0009	EA	15" Diameter Cast Iron Roof Drain With 10" Outlet, 124 Square Inch Free Area Polypropylene Dome	2,615.11	414.78
		For Galvanized Iron Parts, Add	518.00	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00	
		For Bronze Dome, Add	448.80	
		For Deck Clamp Assembly, Add	130.00	
		For Drain Receiver, Add	147.00	

22 14 26 13-0010 Cast Iron Roof Drains With Expansion Joint (22 14 26 13-0001)

Note: With polypropylene dome. Dome free area is 124 square inches.

22 14 26 13-0011	EA	15" Diameter Cast Iron Roof Drain With Expansion Joint, 2" Outlet, Polypropylene Dome	1,534.57	190.74
		For Galvanized Iron Parts, Add	518.00	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00	
		For Drain Receiver, Add	147.00	
		For Deck Clamp Assembly, Add	130.00	

22 Plumbing
22 10 Plumbing Piping
22 14 Facility Storm Drainage

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
22 14 26 13-0012	EA	15" Diameter Cast Iron Roof Drain With Expansion Joint, 3" Outlet, Polypropylene Dome	1,667.87		228.84
		For Galvanized Iron Parts, Add	518.00		
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00		
		For Drain Receiver, Add	147.00		
		For Deck Clamp Assembly, Add	130.00		
22 14 26 13-0013	EA	15" Diameter Cast Iron Roof Drain With Expansion Joint, 4" Outlet, Polypropylene Dome	1,837.13		286.05
		For Galvanized Iron Parts, Add	518.00		
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00		
		For Drain Receiver, Add	147.00		
		For Deck Clamp Assembly, Add	130.00		
22 14 26 13-0014	EA	15" Diameter Cast Iron Roof Drain With Expansion Joint, 5" Outlet, Polypropylene Dome	2,539.75		343.26
		For Galvanized Iron Parts, Add	518.00		
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00		
		For Drain Receiver, Add	147.00		
		For Deck Clamp Assembly, Add	130.00		
22 14 26 13-0015	EA	15" Diameter Cast Iron Roof Drain With Expansion Joint, 6" Outlet, Polypropylene Dome	2,725.25		381.36
		For Galvanized Iron Parts, Add	518.00		
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00		
		For Drain Receiver, Add	147.00		
		For Deck Clamp Assembly, Add	130.00		
22 14 26 13-0016 Cast Iron Roof Drains With Flat Bronze Promenade Top (22 14 26 13-0001)					
22 14 26 13-0017	EA	14" x 14" Cast Iron Roof Drain With 2" Outlet, Bronze Promenade Top	2,122.89		190.74
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	132.00		
		For Drain Receiver, Add	147.00		
		For Galvanized Iron Parts, Add	197.00		
		For Deck Clamp Assembly, Add	130.00		
22 14 26 13-0018	EA	14" x 14" Cast Iron Roof Drain With 3" Outlet, Bronze Promenade Top	2,218.24		228.84
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	132.00		
		For Drain Receiver, Add	147.00		
		For Galvanized Iron Parts, Add	197.00		
		For Deck Clamp Assembly, Add	130.00		
22 14 26 13-0019	EA	14" x 14" Cast Iron Roof Drain With 4" Outlet, Bronze Promenade Top	2,313.59		286.05
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	132.00		
		For Drain Receiver, Add	147.00		
		For Galvanized Iron Parts, Add	197.00		
		For Deck Clamp Assembly, Add	130.00		
22 14 26 13-0020	EA	14" x 14" Cast Iron Roof Drain With 5" Outlet, Bronze Promenade Top	2,701.81		343.26
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	132.00		
		For Drain Receiver, Add	147.00		
		For Galvanized Iron Parts, Add	197.00		
		For Deck Clamp Assembly, Add	130.00		
22 14 26 13-0021	EA	14" x 14" Cast Iron Roof Drain With 6" Outlet, Bronze Promenade Top	2,749.48		381.36
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	132.00		
		For Drain Receiver, Add	147.00		
		For Galvanized Iron Parts, Add	197.00		
		For Deck Clamp Assembly, Add	130.00		
22 14 26 13-0022 Cast Iron Scupper Drain With L-Shaped Bronze Grate (22 14 26 13-0001)					
22 14 26 13-0023	EA	Cast Iron Scupper Drain With 2" Outlet, L-Shaped Bronze Grate	1,372.23		76.32
		For Vandal Proof Grate, Add	33.00		
22 14 26 13-0024	EA	Cast Iron Scupper Drain With 3" Outlet, L-Shaped Bronze Grate	1,410.37		95.31
		For Vandal Proof Grate, Add	33.00		
22 14 26 13-0025	EA	Cast Iron Scupper Drain With 4" Outlet, L-Shaped Bronze Grate	1,427.71		104.01
		For Vandal Proof Grate, Add	33.00		
22 14 26 13-0026	EA	Cast Iron Scupper Drain With 5" Outlet, L-Shaped Bronze Grate	2,008.81		137.88
		For Galvanized Iron Parts, Add	258.00		
		For Vandal Proof Grate, Add	33.00		
22 14 26 13-0027	EA	Cast Iron Scupper Drain With 6" Outlet, L-Shaped Bronze Grate	2,069.64		168.31
		For Galvanized Iron Parts, Add	258.00		
		For Vandal Proof Grate, Add	33.00		
22 14 26 13-0028 Cast Iron Roof Drain With Flat Cast Iron Grate (22 14 26 13-0001)					
Note: Grate free area is 27 square inches.					
22 14 26 13-0029	EA	9" x 9" Cast Iron Roof Drain With 2" Outlet, Cast Iron Promenade Top	1,087.63		190.74
		For Deck Clamp Assembly, Add	80.40		
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	93.60		
		For Galvanized Iron Parts, Add	144.00		
22 14 26 13-0030	EA	9" x 9" Cast Iron Roof Drain With 3" Outlet, Cast Iron Promenade Top	1,182.98		228.84
		For Deck Clamp Assembly, Add	80.40		
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	93.60		
		For Galvanized Iron Parts, Add	144.00		
22 14 26 13-0031	EA	9" x 9" Cast Iron Roof Drain With 4" Outlet, Cast Iron Promenade Top	1,278.33		286.05
		For Deck Clamp Assembly, Add	80.40		
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	93.60		
		For Galvanized Iron Parts, Add	144.00		
22 14 26 13-0032 Cast Iron Roof Drains With Large Cast Iron Dome (22 14 26 13-0001)					
22 14 26 13-0033	EA	15" Diameter Cast Iron Roof Drain With 2" Outlet, Cast Iron Dome	1,171.46		190.74
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00		
		For Deck Clamp Assembly, Add	130.00		
		For Drain Receiver, Add	147.00		
		For Galvanized Iron Parts, Add	518.00		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 13-0034	EA		15" Diameter Cast Iron Roof Drain With 3" Outlet, Cast Iron Dome	1,266.81	228.84
			For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00	
			For Deck Clamp Assembly, Add	130.00	
			For Drain Receiver, Add	147.00	
			For Galvanized Iron Parts, Add	518.00	
22 14 26 13-0035	EA		15" Diameter Cast Iron Roof Drain With 4" Outlet, Cast Iron Dome	1,362.16	286.05
			For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00	
			For Deck Clamp Assembly, Add	130.00	
			For Drain Receiver, Add	147.00	
			For Galvanized Iron Parts, Add	518.00	
22 14 26 13-0036	EA		15" Diameter Cast Iron Roof Drain With 5" Outlet, Cast Iron Dome	1,767.15	343.26
			For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00	
			For Deck Clamp Assembly, Add	130.00	
			For Drain Receiver, Add	147.00	
			For Galvanized Iron Parts, Add	518.00	
22 14 26 13-0037	EA		15" Diameter Cast Iron Roof Drain With 6" Outlet, Cast Iron Dome	1,814.82	381.36
			For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00	
			For Deck Clamp Assembly, Add	130.00	
			For Drain Receiver, Add	147.00	
			For Galvanized Iron Parts, Add	518.00	
22 14 26 13-0038	EA		15" Diameter Cast Iron Roof Drain With 8" Outlet, Cast Iron Dome	2,112.92	400.47
			For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00	
			For Deck Clamp Assembly, Add	130.00	
			For Drain Receiver, Add	147.00	
			For Galvanized Iron Parts, Add	518.00	
22 14 26 13-0039	EA		15" Diameter Cast Iron Roof Drain With 10" Outlet, Cast Iron Dome	2,795.34	414.78
			For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00	
			For Deck Clamp Assembly, Add	130.00	
			For Drain Receiver, Add	147.00	
			For Galvanized Iron Parts, Add	518.00	
22 14 26 13-0040 Aluminum Roof Drains (22 14 26 13)					
22 14 26 13-0041 Aluminum Dome Roof Drains (22 14 26 13-0040)					
22 14 26 13-0042	EA		15" Diameter Roof Drain With 2" Outlet, Aluminum Dome.....	1,202.89	190.74
			For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00	
			For Drain Receiver, Add	147.00	
			For Galvanized Iron Parts, Add	518.00	
			For Deck Clamp Assembly, Add	130.00	
22 14 26 13-0043	EA		15" Diameter Roof Drain With 3" Outlet, Aluminum Dome.....	1,298.24	228.84
			For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00	
			For Drain Receiver, Add	147.00	
			For Galvanized Iron Parts, Add	518.00	
			For Deck Clamp Assembly, Add	130.00	
22 14 26 13-0044	EA		15" Diameter Roof Drain With 4" Outlet, Aluminum Dome.....	1,393.59	286.05
			For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00	
			For Drain Receiver, Add	147.00	
			For Galvanized Iron Parts, Add	518.00	
			For Deck Clamp Assembly, Add	130.00	
22 14 26 13-0045	EA		15" Diameter Roof Drain With 6" Outlet, Aluminum Dome.....	1,846.25	381.02
			For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00	
			For Drain Receiver, Add	147.00	
			For Galvanized Iron Parts, Add	518.00	
			For Deck Clamp Assembly, Add	130.00	
22 14 26 13-0046	EA		15" Diameter Roof Drain With 8" Outlet, Aluminum Dome.....	2,144.58	400.47
			For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00	
			For Drain Receiver, Add	147.00	
			For Galvanized Iron Parts, Add	518.00	
			For Deck Clamp Assembly, Add	130.00	
22 14 26 13-0047	EA		15" Diameter Roof Drain With 10" Outlet, Aluminum Dome	2,826.77	414.78
			For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00	
			For Drain Receiver, Add	147.00	
			For Galvanized Iron Parts, Add	518.00	
			For Deck Clamp Assembly, Add	130.00	
22 14 26 13-0048 Retrofit Roof Drains (22 14 26 13)					
22 14 26 13-0049 Retrofit Copolymer Roof Drains With Copolymer Strainer Dome (22 14 26 13-0048)					
22 14 26 13-0050	EA		Copolymer Retrofit 3" Roof Drains, With Copolymer Dome.....	879.71	228.84
22 14 26 13-0051	EA		Copolymer Retrofit 4" Roof Drains, With Copolymer Dome.....	990.56	286.05
22 14 26 13-0052	EA		Copolymer Retrofit 5" Roof Drains, With Copolymer Dome.....	1,195.58	343.26
22 14 26 13-0053	EA		Copolymer Retrofit 6" Roof Drains, With Copolymer Dome.....	1,305.25	381.02
22 14 26 13-0054 Retrofit Copolymer Roof Drains With Cast Aluminum Strainer Dome (22 14 26 13-0048)					
22 14 26 13-0055	EA		Copolymer Retrofit Drain, 3", With Cast Aluminum Dome	1,019.20	228.84
22 14 26 13-0056	EA		Copolymer Retrofit Drain, 4", With Cast Aluminum Dome	1,123.85	286.05
22 14 26 13-0057	EA		Copolymer Retrofit Drain, 5", With Cast Aluminum Dome	1,338.17	343.26
22 14 26 13-0058	EA		Copolymer Retrofit Drain, 6", With Cast Aluminum Dome	1,404.44	381.02
22 14 26 13-0059 Retrofit Roof Aluminum Drains With Cast Aluminum Strainer Dome (22 14 26 13-0048)					
22 14 26 13-0060	EA		Aluminum Retrofit 3" Roof Drains, With Cast Aluminum Dome	885.91	228.84
			For Copolymer Strainer Dome, Deduct	-24.00	
22 14 26 13-0061	EA		Aluminum Retrofit 4" Roof Drains, With Cast Aluminum Dome	996.76	286.05
			For Copolymer Strainer Dome, Deduct	-24.00	

22 Plumbing**22 10 Plumbing Piping****22 14 Facility Storm Drainage**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 14 26 13-0062	EA	Aluminum Retrofit 5" Roof Drains, With Cast Aluminum Dome	1,201.78	343.26
		<i>For Copolymer Strainer Dome, Deduct</i>	-24.00	
22 14 26 13-0063	EA	Aluminum Retrofit 6" Roof Drains, With Cast Aluminum Dome	1,261.85	381.02
		<i>For Copolymer Strainer Dome, Deduct</i>	-24.00	

22 14 26 13-0064 Bronze Downspout Nozzles (22 14 26 13)

22 14 26 13-0065	EA	2" Outlet, Bronze Roof Drain Downspout Nozzle	532.06	114.42
22 14 26 13-0066	EA	3" Outlet, Bronze Roof Drain Downspout Nozzle	532.06	114.42
22 14 26 13-0067	EA	4" Outlet, Bronze Roof Drain Downspout Nozzle	532.06	114.42
22 14 26 13-0068	EA	5" Outlet, Bronze Roof Drain Downspout Nozzle	831.98	143.03
22 14 26 13-0069	EA	6" Outlet, Bronze Roof Drain Downspout Nozzle	831.98	143.03
22 14 26 13-0070	EA	8" Outlet, Bronze Roof Drain Downspout Nozzle	1,086.15	143.03

22 14 26 16 Facility Area Drains (22 14 26)**22 14 26 16-0001 Area Drain (22 14 26 16)**

22 14 26 16-0002	EA	12" x 12" Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,084.82	137.76
		<i>For Vandal Proof Screws, Add</i>	29.50	
		<i>For Ductile Iron Grate, Add</i>	123.50	
		<i>For Primer Tap, Add</i>	36.00	
		<i>For Galvanized Cast Iron Parts, Add</i>	70.50	
22 14 26 16-0003	EA	12" x 12" Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,114.52	152.64
		<i>For Vandal Proof Screws, Add</i>	29.50	
		<i>For Ductile Iron Grate, Add</i>	123.50	
		<i>For Primer Tap, Add</i>	36.00	
		<i>For Galvanized Cast Iron Parts, Add</i>	70.50	
22 14 26 16-0004	EA	12" x 12" Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,145.78	168.31
		<i>For Vandal Proof Screws, Add</i>	29.50	
		<i>For Ductile Iron Grate, Add</i>	123.50	
		<i>For Primer Tap, Add</i>	36.00	
		<i>For Galvanized Cast Iron Parts, Add</i>	70.50	
22 14 26 16-0005	EA	12" x 12" Floor Drain With 6" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,178.34	184.56
		<i>For Vandal Proof Screws, Add</i>	29.50	
		<i>For Ductile Iron Grate, Add</i>	123.50	
		<i>For Primer Tap, Add</i>	36.00	
		<i>For Galvanized Cast Iron Parts, Add</i>	70.50	
22 14 26 16-0006	EA	12" x 12" Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	1,892.94	137.76
		<i>For Vandal Proof Screws, Add</i>	29.50	
		<i>For Ductile Iron Grate, Add</i>	123.50	
		<i>For Primer Tap, Add</i>	36.00	
		<i>For Galvanized Cast Iron Parts, Add</i>	70.50	
22 14 26 16-0007	EA	12" x 12" Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	1,922.64	152.64
		<i>For Vandal Proof Screws, Add</i>	29.50	
		<i>For Ductile Iron Grate, Add</i>	123.50	
		<i>For Primer Tap, Add</i>	36.00	
		<i>For Galvanized Cast Iron Parts, Add</i>	70.50	
22 14 26 16-0008	EA	12" x 12" Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	1,953.90	168.31
		<i>For Vandal Proof Screws, Add</i>	29.50	
		<i>For Ductile Iron Grate, Add</i>	123.50	
		<i>For Primer Tap, Add</i>	36.00	
		<i>For Galvanized Cast Iron Parts, Add</i>	70.50	
22 14 26 16-0009	EA	12" x 12" Floor Drain With 6" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	1,986.46	184.56
		<i>For Vandal Proof Screws, Add</i>	29.50	
		<i>For Ductile Iron Grate, Add</i>	123.50	
		<i>For Primer Tap, Add</i>	36.00	
		<i>For Galvanized Cast Iron Parts, Add</i>	70.50	
22 14 26 16-0010	EA	12" x 12" Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	2,878.69	137.76
		<i>For Vandal Proof Screws, Add</i>	29.50	
		<i>For Ductile Iron Grate, Add</i>	123.50	
		<i>For Primer Tap, Add</i>	36.00	
		<i>For Galvanized Cast Iron Parts, Add</i>	70.50	
22 14 26 16-0011	EA	12" x 12" Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	2,908.39	152.64
		<i>For Vandal Proof Screws, Add</i>	29.50	
		<i>For Ductile Iron Grate, Add</i>	123.50	
		<i>For Primer Tap, Add</i>	36.00	
		<i>For Galvanized Cast Iron Parts, Add</i>	70.50	
22 14 26 16-0012	EA	12" x 12" Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	2,939.65	168.31
		<i>For Vandal Proof Screws, Add</i>	29.50	
		<i>For Ductile Iron Grate, Add</i>	123.50	
		<i>For Primer Tap, Add</i>	36.00	
		<i>For Galvanized Cast Iron Parts, Add</i>	70.50	
22 14 26 16-0013	EA	12" x 12" Floor Drain With 6" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	2,972.21	184.56
		<i>For Vandal Proof Screws, Add</i>	29.50	
		<i>For Ductile Iron Grate, Add</i>	123.50	
		<i>For Primer Tap, Add</i>	36.00	
		<i>For Galvanized Cast Iron Parts, Add</i>	70.50	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 16-0014	EA		16" x 16" Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	6,234.98	137.76
			For Ductile Iron Grate, Add	123.50	
			For Galvanized Cast Iron Parts, Add	197.50	
			For Primer Tap, Add	36.00	
22 14 26 16-0015	EA		16" x 16" Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	6,264.68	152.64
			For Ductile Iron Grate, Add	123.50	
			For Galvanized Cast Iron Parts, Add	197.50	
			For Primer Tap, Add	36.00	
22 14 26 16-0016	EA		16" x 16" Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	6,295.94	168.31
			For Ductile Iron Grate, Add	123.50	
			For Galvanized Cast Iron Parts, Add	197.50	
			For Primer Tap, Add	36.00	
22 14 26 16-0017	EA		16" x 16" Floor Drain With 6" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	6,328.50	184.56
			For Ductile Iron Grate, Add	123.50	
			For Galvanized Cast Iron Parts, Add	197.50	
			For Primer Tap, Add	36.00	
22 14 26 16-0018	EA		16" x 16" Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	3,037.25	137.76
			For Ductile Iron Grate, Add	123.50	
			For Galvanized Cast Iron Parts, Add	197.50	
			For Primer Tap, Add	36.00	
22 14 26 16-0019	EA		16" x 16" Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	3,066.95	152.64
			For Ductile Iron Grate, Add	123.50	
			For Galvanized Cast Iron Parts, Add	197.50	
			For Primer Tap, Add	36.00	
22 14 26 16-0020	EA		16" x 16" Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	3,098.21	168.31
			For Ductile Iron Grate, Add	123.50	
			For Galvanized Cast Iron Parts, Add	197.50	
			For Primer Tap, Add	36.00	
22 14 26 16-0021	EA		16" x 16" Floor Drain With 6" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	3,130.77	184.56
			For Ductile Iron Grate, Add	123.50	
			For Galvanized Cast Iron Parts, Add	197.50	
			For Primer Tap, Add	36.00	
22 14 26 16-0022	EA		16" x 16" Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	5,909.92	137.76
			For Ductile Iron Grate, Add	123.50	
			For Galvanized Cast Iron Parts, Add	197.50	
			For Primer Tap, Add	36.00	
22 14 26 16-0023	EA		16" x 16" Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	5,939.62	152.64
			For Ductile Iron Grate, Add	123.50	
			For Galvanized Cast Iron Parts, Add	197.50	
			For Primer Tap, Add	36.00	
22 14 26 16-0024	EA		16" x 16" Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	5,970.88	168.31
			For Ductile Iron Grate, Add	123.50	
			For Galvanized Cast Iron Parts, Add	197.50	
			For Primer Tap, Add	36.00	
22 14 26 16-0025	EA		16" x 16" Floor Drain With 6" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	6,003.44	184.56
			For Ductile Iron Grate, Add	123.50	
			For Galvanized Cast Iron Parts, Add	197.50	
			For Primer Tap, Add	36.00	
22 14 26 16-0026	EA		9" Diameter Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	1,367.04	137.76
			For Vandal Proof Grate, Add	30.50	
			For Galvanized Cast Iron Parts, Add	87.50	
22 14 26 16-0027	EA		9" Diameter Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	1,396.74	152.64
			For Vandal Proof Grate, Add	30.50	
			For Galvanized Cast Iron Parts, Add	87.50	
22 14 26 16-0028	EA		9" Diameter Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	1,428.00	168.31
			For Vandal Proof Grate, Add	30.50	
			For Galvanized Cast Iron Parts, Add	87.50	
22 14 26 16-0029	EA		9" Diameter Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	822.63	137.76
			For Vandal Proof Grate, Add	30.50	
			For Galvanized Cast Iron Parts, Add	87.50	
22 14 26 16-0030	EA		9" Diameter Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	852.33	152.64
			For Vandal Proof Grate, Add	30.50	
			For Galvanized Cast Iron Parts, Add	87.50	
22 14 26 16-0031	EA		9" Diameter Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	883.59	168.31
			For Vandal Proof Grate, Add	30.50	
			For Galvanized Cast Iron Parts, Add	87.50	
22 14 26 16-0032	EA		9" Diameter Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	1,287.75	137.76
			For Vandal Proof Grate, Add	30.50	
			For Galvanized Cast Iron Parts, Add	87.50	

22 Plumbing**22 10 Plumbing Piping****22 14 Facility Storm Drainage**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 14 26 16-0033	EA	9" Diameter Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	1,317.45	152.64
		For Vandal Proof Grate, Add	30.50	
		For Galvanized Cast Iron Parts, Add	87.50	
22 14 26 16-0034	EA	9" Diameter Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	1,348.71	168.31
		For Vandal Proof Grate, Add	30.50	
		For Galvanized Cast Iron Parts, Add	87.50	
22 14 26 16-0035	EA	12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Nikaloy Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	4,149.85	137.76
		For Ductile Iron Grate, Add	126.00	
		For Galvanized Cast Iron Parts, Add	307.50	
		For Vandal Proof Screws, Add	30.50	
22 14 26 16-0036	EA	12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Nikaloy Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	4,179.55	152.64
		For Ductile Iron Grate, Add	126.00	
		For Galvanized Cast Iron Parts, Add	307.50	
		For Vandal Proof Screws, Add	30.50	
22 14 26 16-0037	EA	12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Nikaloy Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	4,210.81	168.31
		For Ductile Iron Grate, Add	126.00	
		For Galvanized Cast Iron Parts, Add	307.50	
		For Vandal Proof Screws, Add	30.50	
22 14 26 16-0038	EA	12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Cast Iron Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	2,693.70	137.76
		For Ductile Iron Grate, Add	126.00	
		For Galvanized Cast Iron Parts, Add	307.50	
		For Vandal Proof Screws, Add	30.50	
22 14 26 16-0039	EA	12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Cast Iron Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	2,723.40	152.64
		For Ductile Iron Grate, Add	126.00	
		For Galvanized Cast Iron Parts, Add	307.50	
		For Vandal Proof Screws, Add	30.50	
22 14 26 16-0040	EA	12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Cast Iron Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	2,754.66	168.31
		For Ductile Iron Grate, Add	126.00	
		For Galvanized Cast Iron Parts, Add	307.50	
		For Vandal Proof Screws, Add	30.50	
22 14 26 16-0041	EA	12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Bronze Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	3,896.15	137.76
		For Ductile Iron Grate, Add	126.00	
		For Galvanized Cast Iron Parts, Add	307.50	
		For Vandal Proof Screws, Add	30.50	
22 14 26 16-0042	EA	12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Bronze Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	3,925.85	152.64
		For Ductile Iron Grate, Add	126.00	
		For Galvanized Cast Iron Parts, Add	307.50	
		For Vandal Proof Screws, Add	30.50	
22 14 26 16-0043	EA	12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Bronze Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	3,957.11	168.31
		For Ductile Iron Grate, Add	126.00	
		For Galvanized Cast Iron Parts, Add	307.50	
		For Vandal Proof Screws, Add	30.50	

22 14 26 16-0044 Wash Area Drain (22 14 26 16)

Note: Fox Drain DD-400

22 14 26 16-0045	EA	18.5" x 18.5" Fox Drain DD-400 With 4" Bottom Outlet, Stainless Steel Top, Polyethylene Chamber And Diverter Valve.....	3,936.09	184.56
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22 14 26 19 Facility Trench Drains (22 14 26)**22 14 26 19-0001 Trench Drain** (22 14 26 19)

Note: Each section is 39.4" in length.

22 14 26 19-0002	EA	6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,124.82	137.76
		For Vandal Proof Screws, Add	48.50	
		For Galvanized Cast Iron Parts, Add	98.25	
		For Ductile Iron Grate, Add	66.00	
22 14 26 19-0003	EA	6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,154.52	152.64
		For Vandal Proof Screws, Add	48.50	
		For Galvanized Cast Iron Parts, Add	98.25	
		For Ductile Iron Grate, Add	66.00	
22 14 26 19-0004	EA	6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,185.78	168.31
		For Vandal Proof Screws, Add	48.50	
		For Galvanized Cast Iron Parts, Add	98.25	
		For Ductile Iron Grate, Add	66.00	
22 14 26 19-0005	EA	6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	686.22	137.76
		For Vandal Proof Screws, Add	48.50	
		For Galvanized Cast Iron Parts, Add	98.25	
		For Ductile Iron Grate, Add	66.00	
22 14 26 19-0006	EA	6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	715.92	152.64
		For Vandal Proof Screws, Add	48.50	
		For Galvanized Cast Iron Parts, Add	98.25	
		For Ductile Iron Grate, Add	66.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 19-0007	EA		6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots.....	747.18	168.31
			For Vandal Proof Screws, Add	48.50	
			For Galvanized Cast Iron Parts, Add	98.25	
			For Ductile Iron Grate, Add	66.00	
22 14 26 19-0008	EA		6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Bronze Top, Heavy-Duty Body Sections, Heavy- Duty Loose Set Grate With Perimeter Drainage Slots.....	1,065.06	137.76
			For Vandal Proof Screws, Add	48.50	
			For Galvanized Cast Iron Parts, Add	98.25	
			For Ductile Iron Grate, Add	66.00	
22 14 26 19-0009	EA		6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Bronze Top, Heavy-Duty Body Sections, Heavy- Duty Loose Set Grate With Perimeter Drainage Slots.....	1,094.76	152.64
			For Vandal Proof Screws, Add	48.50	
			For Galvanized Cast Iron Parts, Add	98.25	
			For Ductile Iron Grate, Add	66.00	
22 14 26 19-0010	EA		6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Bronze Top, Heavy-Duty Body Sections, Heavy- Duty Loose Set Grate With Perimeter Drainage Slots.....	1,126.02	168.31
			For Vandal Proof Screws, Add	48.50	
			For Galvanized Cast Iron Parts, Add	98.25	
			For Ductile Iron Grate, Add	66.00	
22 14 26 19-0011	EA		6" Wide Trench Drain x 15" Extension Section, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots.....	986.46	68.65
			For Vandal Proof Screws, Add	48.50	
			For Galvanized Cast Iron Parts, Add	98.25	
			For Ductile Iron Grate, Add	66.00	
22 14 26 19-0012	EA		6" Wide Trench Drain x 15" Extension Section, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots.....	547.86	68.65
			For Vandal Proof Screws, Add	48.50	
			For Galvanized Cast Iron Parts, Add	98.25	
			For Ductile Iron Grate, Add	66.00	
22 14 26 19-0013	EA		6" Wide Trench Drain x 15" Extension Section, Bronze Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots.....	926.70	68.65
			For Vandal Proof Screws, Add	48.50	
			For Galvanized Cast Iron Parts, Add	98.25	
			For Ductile Iron Grate, Add	66.00	
22 14 26 19-0014	EA		12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots.....	1,781.27	137.76
			For Sediment Bucket, Add	116.00	
			For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
			For Ductile Iron Grate, Add	181.50	
			For Vandal Proof Screws, Add	48.50	
			For Galvanized Sediment Bucket, Add	188.50	
			For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0015	EA		12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots.....	1,810.97	152.64
			For Sediment Bucket, Add	116.00	
			For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
			For Ductile Iron Grate, Add	181.50	
			For Vandal Proof Screws, Add	48.50	
			For Galvanized Sediment Bucket, Add	188.50	
			For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0016	EA		12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots.....	1,842.23	168.31
			For Sediment Bucket, Add	116.00	
			For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
			For Ductile Iron Grate, Add	181.50	
			For Vandal Proof Screws, Add	48.50	
			For Galvanized Sediment Bucket, Add	188.50	
			For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0017	EA		12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots.....	1,238.57	137.76
			For Sediment Bucket, Add	116.00	
			For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
			For Ductile Iron Grate, Add	181.50	
			For Vandal Proof Screws, Add	48.50	
			For Galvanized Sediment Bucket, Add	188.50	
			For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0018	EA		12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots.....	1,268.27	152.64
			For Sediment Bucket, Add	116.00	
			For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
			For Ductile Iron Grate, Add	181.50	
			For Vandal Proof Screws, Add	48.50	
			For Galvanized Sediment Bucket, Add	188.50	
			For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0019	EA		12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots.....	1,299.53	168.31
			For Sediment Bucket, Add	116.00	
			For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
			For Ductile Iron Grate, Add	181.50	
			For Vandal Proof Screws, Add	48.50	
			For Galvanized Sediment Bucket, Add	188.50	
			For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0020	EA		12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Bronze Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots.....	1,707.05	137.76
			For Sediment Bucket, Add	116.00	
			For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
			For Ductile Iron Grate, Add	181.50	
			For Vandal Proof Screws, Add	48.50	
			For Galvanized Sediment Bucket, Add	188.50	
			For Galvanized Cast Iron Parts, Add	131.50	

22 Plumbing
22 10 Plumbing Piping
22 14 Facility Storm Drainage

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 14 26 19-0021	EA	12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Bronze Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots.....	1,736.75	152.64
		For Sediment Bucket, Add	116.00	
		For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
		For Ductile Iron Grate, Add	181.50	
		For Vandal Proof Screws, Add	48.50	
		For Galvanized Sediment Bucket, Add	188.50	
		For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0022	EA	12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Bronze Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots.....	1,768.01	168.31
		For Sediment Bucket, Add	116.00	
		For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
		For Ductile Iron Grate, Add	181.50	
		For Vandal Proof Screws, Add	48.50	
		For Galvanized Sediment Bucket, Add	188.50	
		For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0023	EA	12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Galvanized Top And Body, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots.....	1,492.08	137.76
		For Sediment Bucket, Add	116.00	
		For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
		For Ductile Iron Grate, Add	181.50	
		For Vandal Proof Screws, Add	48.50	
		For Galvanized Sediment Bucket, Add	188.50	
		For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0024	EA	12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Galvanized Top And Body, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots.....	1,521.78	152.64
		For Sediment Bucket, Add	116.00	
		For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
		For Ductile Iron Grate, Add	181.50	
		For Vandal Proof Screws, Add	48.50	
		For Galvanized Sediment Bucket, Add	188.50	
		For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0025	EA	12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Galvanized Top And Body, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots.....	1,553.04	168.31
		For Sediment Bucket, Add	116.00	
		For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
		For Ductile Iron Grate, Add	181.50	
		For Vandal Proof Screws, Add	48.50	
		For Galvanized Sediment Bucket, Add	188.50	
		For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0026	EA	12" Wide Trench Drain x 15" Extension Section, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots.....	1,642.89	68.65
		For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
		For Ductile Iron Grate, Add	181.50	
		For Vandal Proof Screws, Add	48.50	
22 14 26 19-0027	EA	12" Wide Trench Drain x 15" Extension Section, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots.....	1,100.19	68.65
		For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
		For Ductile Iron Grate, Add	181.50	
		For Vandal Proof Screws, Add	48.50	
22 14 26 19-0028	EA	12" Wide Trench Drain x 15" Extension Section, Bronze Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots.....	1,568.67	68.65
		For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
		For Ductile Iron Grate, Add	181.50	
		For Vandal Proof Screws, Add	48.50	
22 14 26 19-0029	EA	12" Wide Trench Drain x 15" Extension Section, Galvanized Top And Body, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots.....	1,353.70	68.65
		For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
		For Ductile Iron Grate, Add	181.50	
		For Vandal Proof Screws, Add	48.50	

22 14 29 Sump Pumps (22 14)

See CSI section 22 11 16 00-0000 for pipe extensions into well.

22 14 29 13 Wet-Pit-Mounted, Vertical Sump Pumps (22 14 29)

22 14 29 13-0001	Vertical Mounted Sump Pumps (22 14 29 13)			
Note: Supplied with 1750 RPM premium efficient motor with drip cover, float switch assembly, steel support mounting plate and 5' column sections.				
22 14 29 13-0002	EA	1 HP Vertical Mounted Cast Iron Sump Pump, 1-1/2" Discharge, Single Stage, 25 GPM 40' Head.....	6,678.61	331.99
		For Explosion Proof Motor, Add	312.12	
22 14 29 13-0003	EA	1-1/2 HP Vertical Mounted Cast Iron Sump Pump, 2" Discharge, Single Stage, 75 GPM 40' Head.....	7,051.63	401.82
		For Explosion Proof Motor, Add	346.98	
22 14 29 13-0004	EA	2 HP Vertical Mounted Cast Iron Sump Pump, 2-1/2" Discharge, Single Stage, 100 GPM 40' Head.....	8,052.28	477.38
		For Explosion Proof Motor, Add	448.25	
22 14 29 13-0005	EA	3 HP Vertical Mounted Cast Iron Sump Pump, 3" Discharge, Single Stage, 150 GPM 40' Head.....	8,575.57	587.27
		For Explosion Proof Motor, Add	508.02	
22 14 29 13-0006	EA	5 HP Vertical Mounted Cast Iron Sump Pump, 3" Discharge, Single Stage, 200 GPM 40' Head.....	9,052.49	636.50
		For Explosion Proof Motor, Add	742.11	
22 14 29 13-0007	EA	10 HP Vertical Mounted Cast Iron Sump Pump, 4" Discharge, Single Stage, 300 GPM 70' Head.....	10,733.09	763.57
		For Explosion Proof Motor, Add	841.72	
22 14 29 13-0008	EA	15 HP Vertical Mounted Cast Iron Sump Pump, 5" Discharge, Single Stage, 500 GPM 70' Head.....	12,576.53	790.79
		For Explosion Proof Motor, Add	1,379.63	
22 14 29 13-0009	EA	20 HP Vertical Mounted Cast Iron Sump Pump, 6" Discharge, Single Stage, 800 GPM 70' Head.....	15,152.77	955.75
		For Explosion Proof Motor, Add	1,831.20	
22 14 29 13-0010	EA	30 HP Vertical Mounted Cast Iron Sump Pump, 6" Discharge, Single Stage, 1,000 GPM 70' Head.....	16,339.54	1,114.64
		For Explosion Proof Motor, Add	2,374.09	
22 14 29 13-0011	EA	50 HP Vertical Mounted Cast Iron Sump Pump, 8" Discharge, Single Stage, 1,600 GPM 70' Head.....	21,980.38	1,338.05
		For Explosion Proof Motor, Add	3,092.95	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 29 13-0012	EA	60 HP Vertical Mounted Cast Iron Sump Pump, 8" Discharge, Single Stage, 2,000 GPM 70' Head..... <i>For Explosion Proof Motor, Add</i>	30,557.23 4,902.57	1,486.18
22 14 29 13-0013 Extra Column Assemblies (22 14 29 13)				
22 14 29 13-0014	EA	1-1/2" Diameter x 5' Long Extra Column Assembly	1,058.97	
22 14 29 13-0015	EA	2" Diameter x 5' Long Extra Column Assembly	1,158.76	
22 14 29 13-0016	EA	2-1/2" Diameter x 5' Long Extra Column Assembly	1,267.95	
22 14 29 13-0017	EA	3" Diameter x 5' Long Extra Column Assembly	1,522.43	
22 14 29 13-0018	EA	4" Diameter x 5' Long Extra Column Assembly	1,701.67	
22 14 29 13-0019	EA	5" Diameter x 5' Long Extra Column Assembly	1,732.65	
22 14 29 13-0020	EA	6" Diameter x 5' Long Extra Column Assembly	1,945.08	
22 14 29 13-0021	EA	8" Diameter x 5' Long Extra Column Assembly	2,128.37	
22 14 29 13-0022 Support Plate (22 14 29 13)				
22 14 29 13-0023	EA	24" Steel Support Plate, Round Or Square.....	995.22	45.77
22 14 29 13-0024	EA	30" Steel Support Plate, Round Or Square.....	1,101.60	51.49
22 14 29 13-0025	EA	36" Steel Support Plate, Round Or Square.....	1,529.91	68.65
22 14 29 13-0026	EA	40" Steel Support Plate, Round Or Square.....	2,229.33	80.10
22 14 29 13-0027	EA	42" Steel Support Plate, Round Or Square.....	2,391.44	82.96
22 14 29 13-0028	EA	48" Steel Support Plate, Round Or Square.....	2,558.22	85.82
22 14 29 13-0029	EA	54" Steel Support Plate, Round Or Square.....	3,261.91	102.98
22 14 29 13-0030	EA	60" Steel Support Plate, Round Or Square.....	4,430.61	114.42
22 14 29 13-0031	EA	72" Steel Support Plate, Round Or Square.....	5,919.18	143.03
22 14 29 13-0032	EA	84" Steel Support Plate, Round Or Square.....	7,153.89	157.33
22 14 29 16 Submersible Sump Pumps (22 14 29)				
22 14 29 16-0001		Submersible Sump Pump With Vortex Impeller (22 14 29 16)		
22 14 29 16-0002		Submersible Sump Pump With Cast Iron Vortex Impeller (22 14 29 16-0001)		
22 14 29 16-0003	EA	1/3 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller	564.74	74.56
22 14 29 16-0004	EA	1/3 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller	628.86	74.56
22 14 29 16-0005	EA	1/2 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,003.48	78.90
22 14 29 16-0006	EA	1/2 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,104.95	78.90
22 14 29 16-0007 Submersible Sump Pump With Bronze Vortex Impeller (22 14 29 16-0001)				
Note: Includes 20' of cord with pump.				
22 14 29 16-0008	EA	1/2 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	1,710.96	78.90
22 14 29 16-0009	EA	1/2 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	1,863.87	78.90
22 14 29 16-0010	EA	1 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	1,956.37	86.98
22 14 29 16-0011	EA	1 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	2,119.85	86.98
22 14 29 16-0012	EA	1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	2,178.27	99.41
22 14 29 16-0013	EA	1-1/2 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	2,338.93	99.41
22 14 29 16-0014	EA	2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	2,336.50	118.05
22 14 29 16-0015	EA	2 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	2,476.02	118.05
22 14 29 16-0016 Submersible Sump Pump With Semi-Open Impeller (22 14 29 16)				
Note: Includes 20' of cord with pump.				
22 14 29 16-0017	EA	1/3 HP Manual Submersible Sump Pump, 115 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	1,208.90	74.56
22 14 29 16-0018	EA	1/3 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	1,247.85	74.56
22 14 29 16-0019	EA	1/2 HP Manual Submersible Sump Pump, 115 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	1,556.05	78.90
22 14 29 16-0020	EA	1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	1,583.42	78.90
22 14 29 16-0021	EA	3/4 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	1,897.93	83.25
22 14 29 16-0022	EA	3/4 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	1,897.93	83.25
22 14 29 16-0023	EA	1 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	2,007.20	86.98
22 14 29 16-0024	EA	1 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	2,007.20	86.98
22 14 29 16-0025	EA	1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	2,290.78	99.41
22 14 29 16-0026	EA	1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	2,290.78	99.41
22 14 29 16-0027	EA	2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	2,664.69	118.05

22 Plumbing**22 10 Plumbing Piping****22 14 Facility Storm Drainage**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 14 29 16-0028 EA 2 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller2,617.32 118.05

22 14 29 19 Sump-Pump Basins and Pits (22 14 29)
 See CSI section 22 13 29 33-0000 for basins and pits.
22 15 General Service Compressed-Air Systems (22 10)**22 15 13 General Service Compressed-Air Piping** (22 15)

See CSI section 22 11 16 00-0013 for threaded galvanized steel pipe, 23 21 13 23-0001 for threaded black steel pipe.

22 15 13 00-0001	Aluminum Pipe And Fittings For Compressed Air	(22 15 13)		
22 15 13 00-0002	Aluminum (6063) Pipe (FastPipe)	(22 15 13 00-0001)		
	Note: For compressed air system			
22 15 13 00-0003	LF 3/4" Blue Rigid Aluminum Pipe	.....	8.48	2.49
	Note: For compressed air system			
22 15 13 00-0004	LF 1" Blue Rigid Aluminum Pipe	.....	10.36	2.74
	Note: For compressed air system			
22 15 13 00-0005	LF 1-1/2" Blue Rigid Aluminum Pipe	.....	13.88	3.48
	Note: For compressed air system			
22 15 13 00-0006	LF 2" Blue Rigid Aluminum Pipe	.....	16.74	3.98
	Note: For compressed air system			
22 15 13 00-0007	LF 3" Blue Rigid Aluminum Pipe	.....	27.30	5.46
	Note: For compressed air system			
22 15 13 00-0008	Compression Fittings (FastPipe)	(22 15 13 00-0001)		
	Note: For compressed air system			
22 15 13 00-0009	Compression Union	(22 15 13 00-0008)		
22 15 13 00-0010	EA 3/4" FastPipe Compression Union	.....	23.37	3.48
	Note: For compressed air system			
22 15 13 00-0011	EA 1" FastPipe Compression Union	.....	35.13	4.97
	Note: For compressed air system			
22 15 13 00-0012	EA 1-1/2" FastPipe Compression Union	.....	54.72	6.95
	Note: For compressed air system			
22 15 13 00-0013	EA 2" FastPipe Compression Union	.....	68.53	8.95
	Note: For compressed air system			
22 15 13 00-0014	EA 3" FastPipe Compression Union	.....	130.31	13.92
	Note: For compressed air system			
22 15 13 00-0015	Compression 90 Degree Elbow	(22 15 13 00-0008)		
22 15 13 00-0016	EA 3/4" FastPipe Compression 90 Degree Elbow	.....	24.71	3.48
	Note: For compressed air system			
22 15 13 00-0017	EA 1" FastPipe Compression 90 Degree Elbow	.....	36.53	4.97
	Note: For compressed air system			
22 15 13 00-0018	EA 1-1/2" FastPipe Compression 90 Degree Elbow	.....	56.20	6.95
	Note: For compressed air system			
22 15 13 00-0019	EA 2" FastPipe Compression 90 Degree Elbow	.....	76.93	8.95
	Note: For compressed air system			
22 15 13 00-0020	EA 3" FastPipe Compression 90 Degree Elbow	.....	148.17	13.92
	Note: For compressed air system			
22 15 13 00-0021	Compression 45 Degree Elbow	(22 15 13 00-0008)		
22 15 13 00-0022	EA 1" FastPipe Compression 45 Degree Elbow	.....	36.83	4.97
	Note: For compressed air system			
22 15 13 00-0023	EA 1-1/2" FastPipe Compression 45 Degree Elbow	.....	62.66	6.95
	Note: For compressed air system			
22 15 13 00-0024	EA 2" FastPipe Compression 45 Degree Elbow	.....	83.00	8.95
	Note: For compressed air system			
22 15 13 00-0025	Compression Tee	(22 15 13 00-0008)		
22 15 13 00-0026	EA 3/4" FastPipe Compression Tee	.....	33.35	5.22
	Note: For compressed air system			
22 15 13 00-0027	EA 1" FastPipe Compression Tee	.....	47.24	7.46
	Note: For compressed air system			
22 15 13 00-0028	EA 1-1/2" FastPipe Compression Tee	.....	86.97	10.44
	Note: For compressed air system			
22 15 13 00-0029	EA 2" FastPipe Compression Tee	.....	108.34	13.42
	Note: For compressed air system			
22 15 13 00-0030	EA 3" FastPipe Compression Tee	.....	205.46	20.87
	Note: For compressed air system			
22 15 13 00-0031	Compression Reducing Tee	(22 15 13 00-0008)		
22 15 13 00-0032	EA 1" x 3/4" FastPipe Compression Reducing Tee	.....	45.28	6.71
	Note: For compressed air system			
22 15 13 00-0033	EA 1-1/2" x 3/4" FastPipe Compression Reducing Tee	.....	77.89	8.70
	Note: For compressed air system			
22 15 13 00-0034	EA 1-1/2" x 1" FastPipe Compression Reducing Tee	.....	81.30	9.44
	Note: For compressed air system			
22 15 13 00-0035	EA 2" x 3/4" FastPipe Compression Reducing Tee	.....	98.46	10.69
	Note: For compressed air system			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 13 00-0036	EA		2" x 1" FastPipe Compression Reducing Tee..... Note: For compressed air system	101.52	11.43
22 15 13 00-0037			Compression Reducing Union (22 15 13 00-0008)		
22 15 13 00-0038	EA		1" x 3/4" FastPipe Compression Reducing Union..... Note: For compressed air system	33.86	4.23
22 15 13 00-0039	EA		1-1/2" x 3/4" FastPipe Compression Reducing Union..... Note: For compressed air system	49.52	5.22
22 15 13 00-0040	EA		1-1/2" x 1" FastPipe Compression Reducing Union..... Note: For compressed air system	50.58	5.97
22 15 13 00-0041	EA		2" x 3/4" FastPipe Compression Reducing Union..... Note: For compressed air system	62.77	6.21
22 15 13 00-0042	EA		2" x 1" FastPipe Compression Reducing Union..... Note: For compressed air system	65.12	6.95
22 15 13 00-0043	EA		2" x 1-1/2" FastPipe Compression Reducing Union..... Note: For compressed air system	69.19	7.95
22 15 13 00-0044			Compression x NPT 90 Degree Reducing Elbow (22 15 13 00-0008)		
22 15 13 00-0045	EA		3/4" x 1/4" NPT FastPipe Compression 90 Degree Reducing Elbow..... Note: For compressed air system	50.02	7.21
22 15 13 00-0046	EA		3/4" x 1/2" NPT FastPipe Compression 90 Degree Reducing Elbow..... Note: For compressed air system	53.31	8.20
22 15 13 00-0047	EA		1" x 1/4" NPT FastPipe Compression 90 Degree Reducing Elbow..... Note: For compressed air system	58.80	7.95
22 15 13 00-0048	EA		1" x 1/2" NPT FastPipe Compression 90 Degree Reducing Elbow..... Note: For compressed air system	60.78	8.95
22 15 13 00-0049	EA		1" x 3/4" NPT FastPipe Compression 90 Degree Reducing Elbow..... Note: For compressed air system	63.27	9.94
22 15 13 00-0050			Compression x NPT Reducing Tee (22 15 13 00-0008)		
22 15 13 00-0051	EA		3/4" x 1/4" NPT FastPipe Compression Reducing Tee..... Note: For compressed air system	57.93	8.95
22 15 13 00-0052	EA		3/4" x 1/2" NPT FastPipe Compression Reducing Tee..... Note: For compressed air system	60.29	9.94
22 15 13 00-0053	EA		1" x 1/4" NPT FastPipe Compression Reducing Tee..... Note: For compressed air system	68.79	10.44
22 15 13 00-0054	EA		1" x 1/2" NPT FastPipe Compression Reducing Tee..... Note: For compressed air system	70.94	11.43
22 15 13 00-0055	EA		1" x 3/4" NPT FastPipe Compression Reducing Tee..... Note: For compressed air system	73.64	12.43
22 15 13 00-0056	EA		1-1/2" x 1/2" NPT FastPipe Compression Reducing Tee..... Note: For compressed air system	98.35	13.42
22 15 13 00-0057	EA		1-1/2" x 3/4" NPT FastPipe Compression Reducing Tee..... Note: For compressed air system	100.84	14.41
22 15 13 00-0058	EA		2" x 1/2" NPT FastPipe Compression Reducing Tee..... Note: For compressed air system	109.89	15.41
22 15 13 00-0059	EA		2" x 3/4" NPT FastPipe Compression Reducing Tee..... Note: For compressed air system	112.36	16.40
22 15 13 00-0060			Compression Inline Valve (22 15 13 00-0008)		
22 15 13 00-0061	EA		3/4" FastPipe Compression Inline Valve..... Note: For compressed air system	74.17	3.48
22 15 13 00-0062	EA		1" FastPipe Compression Inline Valve..... Note: For compressed air system	95.32	4.97
22 15 13 00-0063	EA		1-1/2" FastPipe Compression Inline Valve..... Note: For compressed air system	196.94	6.95
22 15 13 00-0064	EA		2" FastPipe Compression Inline Valve..... Note: For compressed air system	284.48	8.95
22 15 13 00-0065	EA		3" FastPipe Compression Inline Valve..... Note: For compressed air system	458.96	13.92
22 15 13 00-0066			Compression Single Port Wall Outlet (22 15 13 00-0008)		
22 15 13 00-0067	EA		3/4" Inlet x 1/2" Female NPT Outlet Compression Single Port Wall Outlet..... Note: Includes wall block, drain valve, 1/2" brass plug, spacer plate and threaded male adapted. For compressed air system	66.14	8.20
22 15 13 00-0068	EA		1" Inlet x 1/2" Female NPT Outlet Compression Single Port Wall Outlet..... Note: Includes wall block, drain valve, 1/2" brass plug, spacer plate and threaded male adapted. For compressed air system	68.53	8.95
22 15 13 00-0069			NPT Push To Connect Coupler (22 15 13 00-0008)		
22 15 13 00-0070	EA		1/2" Male NPT Push To Connect Coupler Note: For compressed air system	26.62	6.46
22 15 13 00-0071			Quick Disconnect, Air-Service (22 15 13)		
22 15 13 00-0072			Combination Steel And Brass (22 15 13 00-0071)		
22 15 13 00-0073	EA		1/2" Combination Steel And Brass Disconnect Valve, Single Seated With Arm Ball And Bracket.....	58.99	17.40
22 15 13 00-0074	EA		3/4" Combination Steel And Brass Disconnect Valve, Single Seated With Arm Ball And Bracket.....	65.70	21.12

22 Plumbing**22 10 Plumbing Piping****22 15 General Service Compressed-Air Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
22 15 13 00-0075 Refrigerated Air Dryers With Ambient Air Filters (22 15 13)

Note: 120 Voltage, 1 Phase

22 15 13 00-0076	EA	3 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	838.90	99.12
22 15 13 00-0077	EA	5 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	960.50	101.88
22 15 13 00-0078	EA	7.5 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	1,133.12	104.63
22 15 13 00-0079	EA	10 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	1,276.21	110.14
22 15 13 00-0080	EA	15 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	1,664.46	123.90
22 15 13 00-0081	EA	20 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	1,881.87	140.98
22 15 13 00-0082	EA	25 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	2,110.98	159.70
22 15 13 00-0083	EA	30 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	2,482.13	178.97
22 15 13 00-0084	EA	40 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	2,877.08	209.27
22 15 13 00-0085	EA	50 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	3,243.42	223.58
22 15 13 00-0086	EA	60 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	3,813.03	247.81
22 15 13 00-0087	EA	75 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	4,387.27	275.34
		<i>For 230 Voltage, Add</i>	<i>1,150.97</i>	
22 15 13 00-0088	EA	85 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	4,741.52	302.88
		<i>For 230 Voltage, Add</i>	<i>1,240.73</i>	
22 15 13 00-0089	EA	100 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	5,105.36	335.92
		<i>For 230 Voltage, Add</i>	<i>1,330.49</i>	
22 15 13 00-0090	EA	125 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	5,520.42	357.95
		<i>For 230 Voltage, Add</i>	<i>1,441.36</i>	
22 15 13 00-0091	EA	175 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	5,838.34	371.72
		<i>For 230 Voltage, Add</i>	<i>1,528.47</i>	
22 15 13 00-0092	EA	200 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	10,142.43	385.49
		<i>For 230 Voltage, Add</i>	<i>2,811.44</i>	
22 15 13 00-0093	EA	250 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	10,900.33	399.25
		<i>For 230 Voltage, Add</i>	<i>3,030.55</i>	
22 15 13 00-0094	EA	300 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	11,637.11	413.02
		<i>For 230 Voltage, Add</i>	<i>3,243.32</i>	
22 15 13 00-0095	EA	400 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	13,830.45	440.55
		<i>For 230 Voltage, Add</i>	<i>3,884.80</i>	
22 15 13 00-0096	EA	500 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	15,682.15	550.69
		<i>For 230 Voltage, Add</i>	<i>4,374.23</i>	
22 15 13 00-0097	EA	600 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	22,317.26	660.83
		<i>For 230 Voltage, Add</i>	<i>6,298.68</i>	
22 15 13 00-0098	EA	800 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	30,316.30	770.96
		<i>For 230 Voltage, Add</i>	<i>8,632.31</i>	
22 15 13 00-0099	EA	1,000 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	33,941.98	881.11
		<i>For 230 Voltage, Add</i>	<i>9,653.93</i>	

22 15 13 00-0100 Oil And Water Separator For Air Compressor (22 15 13)

22 15 13 00-0101	EA	0-60 SCFM Oil/Water Separator.....	755.25	39.78
22 15 13 00-0102	EA	85 SCFM Oil/Water Separator.....	1,011.90	46.61
22 15 13 00-0103	EA	190 SCFM Oil/Water Separator.....	1,182.72	52.83
22 15 13 00-0104	EA	245 SCFM Oil/Water Separator.....	1,484.71	62.15
22 15 13 00-0105	EA	320 SCFM Oil/Water Separator.....	1,764.76	74.58
22 15 13 00-0106	EA	700 SCFM Oil/Water Separator.....	3,557.79	155.39

22 15 13 00-0107 Heavy-Duty Industrial Pressure Regulator (22 15 13)

22 15 13 00-0108	EA	3/8" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	131.20	33.04
22 15 13 00-0109	EA	1/2" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	183.14	44.05
22 15 13 00-0110	EA	3/4" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	312.18	55.07
22 15 13 00-0111	EA	1" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	391.88	82.60
22 15 13 00-0112	EA	1-1/4" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	547.08	96.37
22 15 13 00-0113	EA	1-1/2" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	574.61	110.14

22 15 13 00-0114 Combination Air System; Filter Regulator Lubricator (22 15 13)

22 15 13 00-0115	EA	3/8" Filter Regulator Lubricator, Max 150 PSI Input, 150 CFM, 40 Micron Filter.....	497.42	99.12
22 15 13 00-0116	EA	1/2" Filter Regulator Lubricator, Max 150 PSI Input, 150 CFM, 40 Micron Filter.....	616.29	132.17

22 15 13 00-0117 Heatless Desiccant Air Dryers (22 15 13)

22 15 13 00-0118	EA	5 SCFM Heatless Desiccant Air Dryer.....	2,913.25	99.12
22 15 13 00-0119	EA	10 SCFM Heatless Desiccant Air Dryer.....	3,502.48	110.14
22 15 13 00-0120	EA	15 SCFM Heatless Desiccant Air Dryer.....	3,536.83	121.15
22 15 13 00-0121	EA	20 SCFM Heatless Desiccant Air Dryer.....	4,039.84	137.67
22 15 13 00-0122	EA	30 SCFM Heatless Desiccant Air Dryer.....	5,564.36	165.20
22 15 13 00-0123	EA	50 SCFM Heatless Desiccant Air Dryer.....	5,496.74	220.27
22 15 13 00-0124	EA	85 SCFM Heatless Desiccant Air Dryer.....	7,382.62	275.34
22 15 13 00-0125	EA	100 SCFM Heatless Desiccant Air Dryer.....	7,835.59	330.42
22 15 13 00-0126	EA	125 SCFM Heatless Desiccant Air Dryer.....	8,970.69	385.49
22 15 13 00-0127	EA	175 SCFM Heatless Desiccant Air Dryer.....	10,300.97	440.55
22 15 13 00-0128	EA	200 SCFM Heatless Desiccant Air Dryer.....	11,070.19	495.62
22 15 13 00-0129	EA	300 SCFM Heatless Desiccant Air Dryer.....	13,535.07	550.69
22 15 13 00-0130	EA	400 SCFM Heatless Desiccant Air Dryer.....	15,036.55	660.83
22 15 13 00-0131	EA	500 SCFM Heatless Desiccant Air Dryer.....	17,379.28	770.96
22 15 13 00-0132	EA	600 SCFM Heatless Desiccant Air Dryer.....	20,052.85	881.11

22 15 13 00-0133 Air-Cooled Aftercoolers (22 15 13)

22 15 13 00-0134	EA	20 SCFM Air-Cooled Aftercooler.....	736.07	68.84
22 15 13 00-0135	EA	35 SCFM Air-Cooled Aftercooler.....	994.12	82.60

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 13 00-0136	EA	43 SCFM Air-Cooled Aftercooler	1,092.05	96.37
22 15 13 00-0137	EA	70 SCFM Air-Cooled Aftercooler	1,334.29	110.14
22 15 13 00-0138	EA	125 SCFM Air-Cooled Aftercooler	1,858.11	123.90
22 15 13 00-0139	EA	185 SCFM Air-Cooled Aftercooler	2,086.28	137.67
22 15 13 00-0140	EA	260 SCFM Air-Cooled Aftercooler	4,037.47	165.20
22 15 13 00-0141	EA	365 SCFM Air-Cooled Aftercooler	4,221.37	192.74
22 15 13 00-0142	EA	560 SCFM Air-Cooled Aftercooler	4,403.84	220.27
22 15 13 00-0143	EA	650 SCFM Air-Cooled Aftercooler	5,164.28	247.81
22 15 13 00-0144	EA	750 SCFM Air-Cooled Aftercooler	5,645.95	275.34
22 15 13 00-0145	EA	900 SCFM Air-Cooled Aftercooler	6,473.97	302.88
22 15 13 00-0146	EA	1,100 SCFM Air-Cooled Aftercooler	8,310.06	330.42
22 15 13 00-0147	EA	1,460 SCFM Air-Cooled Aftercooler	9,504.83	357.95
22 15 13 00-0148	EA	1,800 SCFM Air-Cooled Aftercooler	9,815.09	385.49
22 15 13 00-0149	EA	2,500 SCFM Air-Cooled Aftercooler	10,524.85	413.02
22 15 13 00-0150 Compressed Air Coalescing Filters (22 15 13)				
22 15 13 00-0151 1.0 Micron Filter Rated Compressed Air Coalescing Filters (22 15 13 00-0150)				
22 15 13 00-0152	EA	10 SCFM, 3/8", Coalescing Filter, 1.0 Micron Filter Rating	256.79	40.40
22 15 13 00-0153	EA	20 SCFM, 3/8", Coalescing Filter, 1.0 Micron Filter Rating	306.07	40.40
22 15 13 00-0154	EA	50 SCFM, 1/2", Coalescing Filter, 1.0 Micron Filter Rating	334.34	46.61
22 15 13 00-0155	EA	75 SCFM, 3/4", Coalescing Filter, 1.0 Micron Filter Rating	384.96	53.45
22 15 13 00-0156	EA	100 SCFM, 3/4", Coalescing Filter, 1.0 Micron Filter Rating	448.96	59.05
22 15 13 00-0157	EA	140 SCFM, 1", Coalescing Filter, 1.0 Micron Filter Rating	509.00	71.48
22 15 13 00-0158	EA	175 SCFM, 1-1/4" Coalescing Filter, 1.0 Micron Filter Rating	475.67	77.69
22 15 13 00-0159	EA	250 SCFM, 1-1/2" Coalescing Filter, 1.0 Micron Filter Rating	665.15	93.23
22 15 13 00-0160	EA	280 SCFM, 2" Coalescing Filter, 1.0 Micron Filter Rating	854.03	124.31
22 15 13 00-0161	EA	350 SCFM, 2" Coalescing Filter, 1.0 Micron Filter Rating	976.62	139.84
22 15 13 00-0162 0.01 Micron Filter Rated Compressed Air Coalescing Filters (22 15 13 00-0150)				
22 15 13 00-0163	EA	16 SCFM, 3/8" Coalescing Filter, 0.01 Micron Filter Rating	313.12	40.40
22 15 13 00-0164	EA	30 SCFM, 1/2" Coalescing Filter, 0.01 Micron Filter Rating	339.60	46.61
22 15 13 00-0165	EA	60 SCFM, 3/4" Coalescing Filter, 0.01 Micron Filter Rating	389.89	53.45
22 15 13 00-0166	EA	100 SCFM, 1" Coalescing Filter, 0.01 Micron Filter Rating	458.82	52.83
22 15 13 00-0167	EA	140 SCFM, 1-1/4" Coalescing Filter, 0.01 Micron Filter Rating	520.26	71.48
22 15 13 00-0168	EA	180 SCFM, 1-1/4" Coalescing Filter, 0.01 Micron Filter Rating	590.09	77.69
22 15 13 00-0169	EA	250 SCFM, 1-1/2" Coalescing Filter, 0.01 Micron Filter Rating	677.82	93.23
22 15 13 00-0170	EA	280 SCFM, 2" Coalescing Filter, 0.01 Micron Filter Rating	875.14	124.31
22 15 13 00-0171	EA	350 SCFM, 2" Coalescing Filter, 0.01 Micron Filter Rating	1,004.78	139.84
22 15 13 00-0172 Compressed Air Storage Tanks (22 15 13)				
22 15 13 00-0173 Horizontal Compressed Air Storage Tanks (22 15 13 00-0172)				
22 15 13 00-0174	EA	12 Gallon Horizontal Compressed Air Storage Tank, ASME	422.61	88.11
22 15 13 00-0175	EA	15 Gallon Horizontal Compressed Air Storage Tank, ASME	754.02	96.37
22 15 13 00-0176	EA	20 Gallon Horizontal Compressed Air Storage Tank, ASME	799.01	101.33
22 15 13 00-0177	EA	30 Gallon Horizontal Compressed Air Storage Tank, ASME	911.70	110.14
22 15 13 00-0178	EA	60 Gallon Horizontal Compressed Air Storage Tank, ASME	1,189.45	148.69
22 15 13 00-0179	EA	80 Gallon Horizontal Compressed Air Storage Tank, ASME	1,437.89	165.20
22 15 13 00-0180	EA	120 Gallon Horizontal Compressed Air Storage Tank, ASME	2,164.40	192.74
22 15 13 00-0181	EA	200 Gallon Horizontal Compressed Air Storage Tank, ASME	3,236.78	220.27
22 15 13 00-0182	EA	240 Gallon Horizontal Compressed Air Storage Tank, ASME	3,610.22	234.04
22 15 13 00-0183	EA	325 Gallon Horizontal Compressed Air Storage Tank, ASME	5,231.41	247.81
22 15 13 00-0184	EA	400 Gallon Horizontal Compressed Air Storage Tank, ASME	6,897.51	289.12
22 15 13 00-0185	EA	660 Gallon Horizontal Compressed Air Storage Tank, ASME	9,931.94	344.19
22 15 13 00-0186 Vertical Compressed Air Storage Tanks (22 15 13 00-0172)				
22 15 13 00-0187	EA	10 Gallon Vertical Compressed Air Storage Tank, ASME	702.42	88.11
22 15 13 00-0188	EA	15 Gallon Vertical Compressed Air Storage Tank, ASME	736.48	96.37
22 15 13 00-0189	EA	20 Gallon Vertical Compressed Air Storage Tank, ASME	799.01	101.33
22 15 13 00-0190	EA	30 Gallon Vertical Compressed Air Storage Tank, ASME	946.43	110.14
22 15 13 00-0191	EA	60 Gallon Vertical Compressed Air Storage Tank, ASME	1,293.64	148.69
22 15 13 00-0192	EA	80 Gallon Vertical Compressed Air Storage Tank, ASME	1,488.06	165.20
22 15 13 00-0193	EA	120 Gallon Vertical Compressed Air Storage Tank, ASME	2,055.30	192.74
22 15 13 00-0194	EA	200 Gallon Vertical Compressed Air Storage Tank, ASME	3,011.91	220.27
22 15 13 00-0195	EA	240 Gallon Vertical Compressed Air Storage Tank, ASME	3,323.60	234.04
22 15 13 00-0196	EA	325 Gallon Vertical Compressed Air Storage Tank, ASME	4,529.82	247.81
22 15 13 00-0197	EA	400 Gallon Vertical Compressed Air Storage Tank, ASME	5,808.65	289.12
22 15 13 00-0198	EA	500 Gallon Vertical Compressed Air Storage Tank, ASME	7,582.64	316.65
22 15 13 00-0199	EA	660 Gallon Vertical Compressed Air Storage Tank, ASME	12,625.55	357.95
22 15 19 General Service Packaged Air Compressors and Receivers (22 19)				
Note: Includes V-belt drive, receiver, motor, starter mounted and wired. Excludes piping, pressure reducing valve station, or air dryer.				
22 15 19 13 General Service Packaged Reciprocating Air Compressors (22 15 19)				
22 15 19 13-0001 Single Stage Compressor (22 15 19 13)				
Note: Includes receiver, reciprocating air-cooled, 140 PSIG working pressure, splash lubricated, tank mounted.				
22 15 19 13-0002	EA	1/2 HP 1-Stage Air Compressor, 1.5 ACFM Air-Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	3,091.39	390.77
22 15 19 13-0003	EA	3/4 HP 1-Stage Air Compressor, 2.0 ACFM Air-Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	3,231.09	451.01

22 Plumbing**22 10 Plumbing Piping****22 15 General Service Compressed-Air Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 15 19 13-0004	EA	1 HP 1-Stage Air Compressor, 2.5 ACFM Air-Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	3,687.65	532.63
22 15 19 13-0005	EA	2 HP 1-Stage Air Compressor, Air-Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	4,200.70	587.70
22 15 19 13-0006	EA	3 HP 1-Stage Air Compressor, Air-Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	5,135.67	620.74
22 15 19 13-0007	EA	3 HP 1-Stage Air Compressor, Air-Cooled With 60 Gallon Receiver, 140 PSIG Working Pressure	5,486.69	642.77
22 15 19 13-0008	EA	5 HP 1-Stage Air Compressor, Air-Cooled With 60 Gallon Receiver, 140 PSIG Working Pressure	6,161.64	734.62
22 15 19 13-0009	EA	5 HP 1-Stage Air Compressor, Air-Cooled With 80 Gallon Receiver, 140 PSIG Working Pressure	6,608.70	778.68
22 15 19 13-0010	EA	7.5 HP 1-Stage Air Compressor, Air-Cooled With 80 Gallon Receiver, 140 PSIG Working Pressure	7,927.79	881.55

22 15 19 13-0011**Two Stage Compressor** (22 15 19 13)

Note: With receiver, reciprocating air-cooled, discharge pressure 80-200 PSIG, receiver capacity as noted, splash lubricated, tank mounted.

22 15 19 13-0012	EA	1-1/2 HP 2-Stage Air Compressor, 60 Gallon Receiver, 5.0 ACFM, 80-200 PSIG Discharge Pressure	5,909.22	686.82
22 15 19 13-0013	EA	2 HP 2-Stage Air Compressor, 60 Gallon Receiver, 7.0 ACFM, 80-200 PSIG Discharge Pressure	6,345.72	808.08
22 15 19 13-0014	EA	3 HP 2-Stage Air Compressor, 60 Gallon Receiver, 12 ACFM, 80-200 PSIG Discharge Pressure	6,633.95	881.55
22 15 19 13-0015	EA	5 HP 2-Stage Air Compressor, 80 Gallon Receiver, 15 ACFM, 80-200 PSIG Discharge Pressure	7,579.45	1,175.39
22 15 19 13-0016	EA	5 HP 2-Stage Air Compressor, 120 Gallon Receiver, 16.5 ACFM, 80-200 PSI Max Discharge Pressure	8,168.80	1,175.39
22 15 19 13-0017	EA	7.5 HP 2-Stage Air Compressor, 80 Gallon Receiver, 19.8 ACFM, 80-200 PSIG Discharge Pressure	8,776.16	1,469.25
22 15 19 13-0018	EA	7.5 HP 2-Stage Air Compressor, 120 Gallon Receiver, 25.6 ACFM, 80-200 PSI Max Discharge Pressure	9,310.69	1,469.25
22 15 19 13-0019	EA	10 HP 2-Stage Air Compressor, 80 Gallon Receiver, 35.0 ACFM, 80-200 PSI Max Discharge Pressure	11,936.47	1,817.28
22 15 19 13-0020	EA	10 HP 2-Stage Air Compressor, 120 Gallon Receiver, 38 ACFM, 80-200 PSIG Discharge Pressure	12,809.53	1,872.34
22 15 19 13-0021	EA	15 HP 2-Stage Air Compressor, 120 Gallon Receiver, 50 ACFM, 80-200 PSIG Discharge Pressure	13,837.07	2,188.22
22 15 19 13-0022	EA	20 HP 2-Stage Air Compressor, 120 Gallon Receiver, 70 ACFM, 80-200 PSIG Discharge Pressure	20,837.99	2,477.01
22 15 19 13-0023	EA	25 HP 2-Stage Air Compressor, 120 Gallon Receiver, 84.4 ACFM, 175 PSI Max Discharge Pressure	22,387.93	2,798.93
22 15 19 13-0024	EA	30 HP 2-Stage Air Compressor, 120 Gallon Receiver, 97.2 ACFM, 175 PSI Max Discharge Pressure	24,953.21	3,093.45
22 15 19 13-0025	EA	30 HP 2-Stage Air Compressor, 250 Gallon Receiver, 101 ACFM, 175 PSI Max Discharge Pressure	27,146.83	3,390.27

22 15 19 19**General Service Packaged Rotary-Screw Air Compressors** (22 15 19)**22 15 19 19-0001****Rotary Screw Air Compressor, Base Mounted Without Receiver** (22 15 19 19)

Note: Oil flooded.

22 15 19 19-0002	EA	3 HP, 8.5 SCFM, Rotary Screw Air Compressor With Enclosure, 150 PSIG Max Discharge Pressure, Lubricated	10,093.58	991.98
22 15 19 19-0003	EA	5 HP, 16.6 SCFM, Rotary Screw Air Compressor With Enclosure, 150 PSIG Max Discharge Pressure, Lubricated	11,262.42	1,322.64
22 15 19 19-0004	EA	7.5 HP, 27 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	14,440.54	1,658.28
22 15 19 19-0005	EA	10 HP, 37 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	16,702.28	2,113.25
22 15 19 19-0006	EA	15 HP, 56 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	19,110.10	2,486.17
22 15 19 19-0007	EA	20 HP, 79 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	23,190.08	2,796.94
22 15 19 19-0008	EA	25 HP, 114 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	25,414.27	3,107.72
22 15 19 19-0009	EA	30 HP, 137 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	30,568.83	3,480.64
22 15 19 19-0010	EA	40 HP, 183 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	33,603.42	3,729.26
22 15 19 19-0011	EA	50 HP, 214 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	37,722.76	4,018.90
22 15 19 19-0012	EA	60 HP, 256 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	49,059.68	4,350.80
22 15 19 19-0013	EA	75 HP, 320 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	54,437.99	4,599.41
22 15 19 19-0014	EA	100 HP, 494 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated	87,413.95	4,972.34
22 15 19 19-0015	EA	125 HP, 592 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated	109,071.25	5,376.34
22 15 19 19-0016	EA	150 HP, 695 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated	126,707.59	5,786.56
22 15 19 19-0017	EA	220 HP, 996 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated	164,887.15	6,215.43
22 15 19 19-0018	EA	250 HP, 1,000 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	187,344.19	6,613.22

22 15 19 19-0019**Rotary Screw Air Compressor, Base Mounted With Receiver** (22 15 19 19)

Note: Includes receiver, motor, starter mounted and wired. Excludes piping, pressure reducing valve station, or air dryer.

22 15 19 19-0020	EA	5 HP, 18.5 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 150 PSIG Max Discharge Pressure, Lubricated	12,597.38	1,322.64
22 15 19 19-0021	EA	5 HP, 18.5 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 150 PSIG Max Discharge Pressure, Lubricated	13,386.85	1,322.64
22 15 19 19-0022	EA	7.5 HP, 28 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	15,068.28	1,658.28
22 15 19 19-0023	EA	7.5 HP, 28 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	15,931.76	1,658.28
22 15 19 19-0024	EA	10 HP, 38 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	17,047.67	2,113.25
22 15 19 19-0025	EA	10 HP, 38 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	17,960.49	2,113.25
22 15 19 19-0026	EA	15 HP, 55 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	19,395.19	2,486.17
22 15 19 19-0027	EA	15 HP, 55 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	20,382.02	2,486.17
22 15 19 19-0028	EA	20 HP, 75 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	33,584.71	2,796.94
22 15 19 19-0029	EA	25 HP, 102 SCFM, 120 gallon receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	36,178.96	3,107.72
22 15 19 19-0030	EA	30 HP, 125 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	38,526.53	3,480.64

22 30 Plumbing Equipment (22)**22 31 Domestic Water Softeners** (22 30)

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 31 13 Residential Domestic Water Softeners (22 31)
See CSI section 11 30 13 13-0104 for residential water softener.

22 31 16 Commercial Domestic Water Softeners (22 31)

22 31 16 00-0001		Commercial Water Softeners (Watts Pure Water) (22 31 16)		
22 31 16 00-0002		Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0001)		
22 31 16 00-0003		1" Pipe Connection, Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0002) Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0004	EA	30,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111A11)	5,305.17	314.66
22 31 16 00-0005	EA	45,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111B11)	5,545.28	328.96
22 31 16 00-0006	EA	60,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111C11)	5,990.07	343.26
22 31 16 00-0007	EA	90,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111D11)	6,910.19	357.57
22 31 16 00-0008	EA	120,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111E11)	7,368.62	371.87
22 31 16 00-0009		1-1/2" Pipe Connection, Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0002) Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0010	EA	60,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121C11)	7,998.23	343.26
22 31 16 00-0011	EA	90,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121D11)	8,413.47	357.57
22 31 16 00-0012	EA	120,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121E11)	8,874.17	371.87
22 31 16 00-0013	EA	150,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121F11)	10,567.53	386.17
22 31 16 00-0014	EA	210,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121G11)	11,758.28	400.47
22 31 16 00-0015	EA	300,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121H11)	14,345.42	414.78
22 31 16 00-0016		2" Pipe Connection, Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0002) Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0017	EA	90,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131D11)	12,211.46	357.57
22 31 16 00-0018	EA	120,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131E11)	12,656.25	371.87
22 31 16 00-0019	EA	150,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131F11)	14,354.16	386.17
22 31 16 00-0020	EA	210,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131G11)	15,544.90	400.47
22 31 16 00-0021	EA	300,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131H11)	18,273.05	414.78
22 31 16 00-0022	EA	450,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131I11)	24,148.74	429.08
22 31 16 00-0023	EA	600,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131J11)	28,273.28	443.38
22 31 16 00-0024		3" Pipe Connection, Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0002) Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0025	EA	300,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151H11)	29,698.88	414.78
22 31 16 00-0026	EA	450,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151I11)	34,330.56	429.08
22 31 16 00-0027	EA	600,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151J11)	38,400.51	443.38
22 31 16 00-0028	EA	900,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151K11)	48,388.05	457.68
22 31 16 00-0029	EA	1050,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151L11)	53,592.86	471.99
22 31 16 00-0030		Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0001)		
22 31 16 00-0031		2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0030) Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and two fully automatic metered demand control valves.		
22 31 16 00-0032	EA	90,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131D21)	20,062.69	536.35
22 31 16 00-0033	EA	120,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131E21)	20,953.88	557.80

22 Plumbing**22 30 Plumbing Equipment****22 31 Domestic Water Softeners**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
22 31 16 00-0034	EA 150,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131F21).....	23,882.82		579.25	
22 31 16 00-0035	EA 210,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131G21).....	26,124.93		600.71	
22 31 16 00-0036	EA 300,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131H21).....	31,935.33		622.16	
22 31 16 00-0037	EA 450,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131I21).....	42,380.65		643.62	
22 31 16 00-0038	EA 600,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131J21).....	49,919.49		665.07	
22 31 16 00-0039	3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0030)				
	Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and two fully automatic metered demand control valves.				
22 31 16 00-0040	EA 300,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151H21).....	54,595.96		622.16	
22 31 16 00-0041	EA 450,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151I21).....	62,748.84		643.62	
22 31 16 00-0042	EA 600,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151J21).....	70,540.12		665.07	
22 31 16 00-0043	EA 900,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151K21).....	89,820.91		686.52	
22 31 16 00-0044	EA 1,050,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151L21).....	100,309.45		707.98	
22 31 16 00-0045	Twin Alternating, Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0001)				
22 31 16 00-0046	1" Pipe Connection, Twin Alternating, Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0045)				
	Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.				
22 31 16 00-0047	EA 30,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161A21).....	6,952.54		471.99	
22 31 16 00-0048	EA 45,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161B21).....	7,418.46		493.44	
22 31 16 00-0049	EA 60,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161C21).....	8,100.42		514.89	
22 31 16 00-0050	EA 90,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161D21).....	9,753.51		536.35	
22 31 16 00-0051	EA 120,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21).....	10,801.63		557.80	
22 31 16 00-0052	1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0045)				
	Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.				
22 31 16 00-0053	EA 60,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161A21).....	13,770.13		514.89	
22 31 16 00-0054	EA 90,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161B21).....	14,522.61		536.35	
22 31 16 00-0055	EA 120,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161C21).....	15,638.96		557.80	
22 31 16 00-0056	EA 150,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161D21).....	17,924.28		579.25	
22 31 16 00-0057	EA 210,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21).....	20,243.72		600.71	
22 31 16 00-0058	EA 300,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21).....	25,396.87		622.16	
22 32	Domestic Water Filtration Equipment (22 30)				
22 32 16	Domestic-Water Freestanding Cartridge Filters (22 32)				
22 32 16 00-0001	Commercial Water Filters Housings (22 32 16)				
22 32 16 00-0002	Commercial Multi-Cartridge Stainless Steel Water Filter Housings (22 32 16 00-0001)				
22 32 16 00-0003	Commercial Multi-Cartridge Stainless Steel Water Filter Housings (22 32 16 00-0002)				
22 32 16 00-0004	EA 25 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X1).....	2,735.12		202.00	
22 32 16 00-0005	EA 30 GPM Max Flow Rate, 5 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS5X1).....	2,786.65		217.54	
22 32 16 00-0006	EA 60 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X2).....	2,965.56		233.08	
22 32 16 00-0007	EA 90 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X3).....	3,285.46		248.62	
22 32 16 00-0008	EA 120 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X4).....	3,382.49		264.15	
22 32 16 00-0009	EA 150 GPM Max Flow Rate, 5 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS5X4).....	4,109.48		279.70	
22 32 16 00-0010	EA 250 GPM Max Flow Rate, 12 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS12X3).....	11,659.23		295.23	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 32 16 00-0011	EA	300 GPM Max Flow Rate, 12 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS12X4).....	13,571.12	310.77
22 32 16 00-0012	EA	500 GPM Max Flow Rate, 22 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS22X3).....	17,245.55	326.31
22 32 16 00-0013	EA	600 GPM Max Flow Rate, 22 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS22X4).....	19,134.68	341.85
22 32 16 00-0014 Commercial Water Filter Cartridges (22 32 16 00-0002)				
22 32 16 00-0015 (Depth) Water Filter Cartridges (22 32 16 00-0014)				
22 32 16 00-0016	EA	50 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M50).....	13.50	2.49
22 32 16 00-0017	EA	20 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M20).....	13.50	2.49
22 32 16 00-0018	EA	10 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M10).....	13.50	2.49
22 32 16 00-0019	EA	5 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M5).....	11.22	2.49
22 32 16 00-0020	EA	1 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M1).....	14.07	2.49
22 32 16 00-0021	EA	50 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M50).....	14.07	2.49
22 32 16 00-0022	EA	20 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M20).....	15.20	2.49
22 32 16 00-0023	EA	5 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Big Pure Water PWMB20M5).....	19.18	2.49
22 32 16 00-0024	EA	1 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M1).....	15.20	2.49
22 32 16 00-0025	EA	50 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M50).....	18.05	2.49
22 32 16 00-0026	EA	20 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M20).....	18.05	2.49
22 32 16 00-0027	EA	5 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M5).....	18.05	2.49
22 32 16 00-0028	EA	1 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M1).....	19.75	2.49
22 32 16 00-0029	EA	50 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M50).....	26.01	2.49
22 32 16 00-0030	EA	20 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M20).....	23.73	2.49
22 32 16 00-0031	EA	5 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M5).....	23.73	2.49
22 32 16 00-0032	EA	1 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M1).....	26.01	2.49
22 32 16 00-0033 Pleated Water Filter Cartridges (22 32 16 00-0014)				
22 32 16 00-0034	EA	50 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M50).....	24.30	2.49
22 32 16 00-0035	EA	20 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M20).....	24.30	2.49
22 32 16 00-0036	EA	5 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M5).....	24.87	2.49
22 32 16 00-0037	EA	1 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M1).....	26.58	2.49
22 32 16 00-0038	EA	1 Micron Absolute, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M1AB).....	40.22	2.49
22 32 16 00-0039	EA	50 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M50).....	38.52	2.49
22 32 16 00-0040	EA	20 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M20).....	38.52	2.49
22 32 16 00-0041	EA	5 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Big Pure Water PWPL20M5).....	38.52	2.49
22 32 16 00-0042	EA	1 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M1).....	51.02	2.49
22 32 16 00-0043	EA	1 Micron Absolute, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M1AB).....	72.63	2.49
22 32 16 00-0044	EA	50 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M50).....	60.69	2.49
22 32 16 00-0045	EA	20 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M20).....	84.57	2.49
22 32 16 00-0046	EA	5 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M5).....	87.98	2.49
22 32 16 00-0047	EA	1 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M1).....	99.35	2.49
22 32 16 00-0048 Commercial Non-Metallic Water Filter Housings (22 32 16 00-0001)				
22 32 16 00-0049 Commercial Non-Metallic Water Filter Housings (22 32 16 00-0048)				
22 32 16 00-0050	EA	150 GPM Max Flow Rate, 1 Cartridge, Commercial Non-Metallic Water Filter Housing (Watts Big Bubba® PWWJCHSG).....	2,147.98	186.46
22 32 16 00-0051 Commercial Water Filter Cartridges (22 32 16 00-0048)				
22 32 16 00-0052 Carbon Water Filter Cartridges (22 32 16 00-0051)				
22 32 16 00-0053	EA	Activated 26-1/4" Length, Carbon Water Filter Cartridge (Watts Big Bubba® PWWJCAC5).....	713.40	2.49
22 32 16 00-0054 (Depth) Water Filter Cartridges (22 32 16 00-0051)				
22 32 16 00-0055	EA	50 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB50).....	147.68	2.49
22 32 16 00-0056	EA	20 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB20).....	146.54	2.49
22 32 16 00-0057	EA	5 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB5).....	146.54	2.49
22 32 16 00-0058	EA	1 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB1).....	168.15	2.49
22 32 16 00-0059 Pleated Water Filter Cartridges (22 32 16 00-0051)				
22 32 16 00-0060	EA	150 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCM150).....	391.59	2.49
22 32 16 00-0061	EA	50 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP50).....	367.71	2.49
22 32 16 00-0062	EA	20 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP20).....	400.69	2.49
22 32 16 00-0063	EA	5 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP5).....	420.02	2.49
22 32 16 00-0064	EA	1 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP1).....	447.31	2.49
22 32 16 00-0065	EA	1 Absolute, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP1AB).....	484.84	2.49
22 32 16 00-0066 Water Filter (22 32 16)				
22 32 16 00-0067	EA	0.6 GPM Max Flow Rate, 1,500 Gallon Capacity, 1 Cartridge, Water Filter Housing (3M Cuno FM DWS 1500).....	502.58	93.23
22 32 16 00-0068	EA	0.5 Micron, Activated Carbon Water Filter Cartridge (3M Cuno 47-5574704).....	163.00	6.21
22 32 16 00-0069	EA	1,800 Gallon Capacity, Water Metering Valve (Water Minder EV-2000-10).....	205.60	46.61

22 33 Electric Domestic Water Heaters (22 30)

22 33 13 Instantaneous Electric Domestic Water Heaters (22 33)

22 Plumbing**22 30 Plumbing Equipment****22 33 Electric Domestic Water Heaters**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
22 33 13 13 Flow-Control, Instantaneous Electric Domestic Water Heaters (22 33 13)

22 33 13 13-0001	Flow Controlled, Instantaneous, Tankless, Electric Domestic Water Heaters (22 33 13 13)		
22 33 13 13-0002	EA 3 To 10 KW Flow Controlled, Instantaneous, Tankless, Electric Domestic Water Heater (Eemax EX3012, EX48, EX65, EX75, EX95).....	541.83	62.13
22 33 13 13-0003	EA 7.2 KW, 0.75 GPM, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch RP7P).....	635.08	62.13

22 33 13 16 Thermostat-Control, Instantaneous Electric Domestic Water Heaters (22 33 13)

22 33 13 16-0001	Thermostat Controlled, Instantaneous, Tankless, Electric Domestic Water Heaters (22 33 13 16) Note: Temperature rise decreases with increased flow rate.		
22 33 13 16-0002	EA 3 To 10 KW Thermostat-Control, Instantaneous, Tankless, Electric Domestic Water Heater (Eemax EX3012T, EX48T, EX65T, EX75T, EX95T, EX012240T).....	719.71	93.19
22 33 13 16-0003	EA 12 KW, 2.0 GPM, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE12).....	802.31	124.26
22 33 13 16-0004	EA 17.25 KW, 2.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE115).....	1,358.15	217.46
22 33 13 16-0005	EA 26.85 KW, 4.0 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE125).....	2,066.53	248.52
22 33 13 16-0006	EA 12 KW, 1.6 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Temptra 12 Plus).....	1,457.22	124.26
22 33 13 16-0007	EA 14.4 KW, 2.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Temptra 15 Plus).....	1,991.38	186.39
22 33 13 16-0008	EA 19.2 KW, 2.8 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Temptra 20 Plus).....	2,194.82	248.52
22 33 13 16-0009	EA 24 KW, 3.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Temptra 24 Plus).....	2,278.66	248.52
22 33 13 16-0010	EA 28.8 KW, 4.5 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Temptra 29 Plus).....	2,357.84	248.52
22 33 13 16-0011	EA 36 KW, 4.5 GPM At 55 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Temptra 36 Plus).....	2,474.29	248.52

22 33 30 Residential, Electric Domestic Water Heaters (22 33)**22 33 30 13 Residential, Small-Capacity Electric Domestic Water Heaters (22 33 30)**

22 33 30 13-0001	Small-Capacity, Electric Domestic Water Heaters (A.O. Smith ProMax) (22 33 30 13) Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.		
22 33 30 13-0002	EA 2 Gallon, Small-Capacity, Electric Domestic Water Heater.....	1,006.13	195.71
22 33 30 13-0003	EA 10 Gallon, Small-Capacity, Electric Domestic Water Heater.....	1,235.91	208.14
22 33 30 13-0004	EA 20 Gallon, Small-Capacity, Electric Domestic Water Heater.....	1,459.50	217.46

22 33 30 16 Residential, Storage Electric Domestic Water Heaters (22 33 30)

22 33 30 16-0001	Electric Domestic Water Heaters (A.O. Smith ProMax) (22 33 30 16) Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.		
22 33 30 16-0002	EA 30 Gallon, Electric Domestic Water Heater.....	1,559.66	217.46
22 33 30 16-0003	EA 40 Gallon, Electric Domestic Water Heater.....	1,466.80	223.68
22 33 30 16-0004	EA 50 Gallon, Electric Domestic Water Heater.....	1,443.37	229.89
22 33 30 16-0005	EA 55 Gallon, Electric Domestic Water Heater.....	1,611.61	233.00
22 33 30 16-0006	EA 66 Gallon, Electric Domestic Water Heater.....	2,343.27	239.20
22 33 30 16-0007	EA 80 Gallon, Electric Domestic Water Heater.....	2,387.52	248.52
22 33 30 16-0008	EA 120 Gallon, Electric Domestic Water Heater.....	3,177.27	264.05
22 33 30 16-0009	Low-Boy, Electric Domestic Water Heaters (A.O. Smith ProMax) (22 33 30 16) Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.		
22 33 30 16-0010	EA 30 Gallon, Low-Boy, Electric Domestic Water Heater.....	1,674.69	217.46
22 33 30 16-0011	EA 40 Gallon, Low-Boy, Electric Domestic Water Heater.....	1,594.89	223.68
22 33 30 16-0012	EA 50 Gallon, Low-Boy, Electric Domestic Water Heater.....	1,689.30	229.89
22 33 30 16-0013	High Efficiency, Electric Domestic Water Heaters (A.O. Smith Conservationist) (22 33 30 16) Note: Includes .95 energy factor glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.		
22 33 30 16-0014	EA 40 Gallon, High Efficiency, Electric Domestic Water Heater.....	1,729.26	223.68
22 33 30 16-0015	EA 50 Gallon, High Efficiency, Electric Domestic Water Heater.....	1,889.12	229.89
22 33 30 16-0016	EA 66 Gallon, High Efficiency, Electric Domestic Water Heater.....	2,325.20	239.20
22 33 30 16-0017	EA 80 Gallon, High Efficiency, Electric Domestic Water Heater.....	2,528.29	248.52

22 33 30 16-0018 Water Heater Accessories (22 33 30 16)

22 33 30 16-0019	EA 2 Gallon, Expansion Pressure Tank For Water Heaters.....	132.57	12.43
22 33 30 16-0020	EA 4.4 Gallon, Expansion Pressure Tank For Water Heaters.....	156.60	12.43
22 33 30 16-0021	EA 7.6 Gallon, Expansion Pressure Tank For Water Heaters.....	305.08	12.43
22 33 30 16-0022	EA 14 Gallon, Expansion Pressure Tank For Water Heaters.....	409.58	12.43
22 33 30 16-0023	EA 20" Diameter, 3" Deep, Aluminum Water Heater Drain Pan.....	78.20	9.32

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 33 30 16-0024	EA	22" Diameter, 2-1/2" Deep, Aluminum Water Heater Drain Pan	85.37	9.32
22 33 30 16-0025	EA	24" Diameter, 3" Deep, Aluminum Water Heater Drain Pan	90.16	9.32
22 33 30 16-0026	EA	26" Diameter, 2-1/2" Deep, Aluminum Water Heater Drain Pan	106.90	9.32
22 33 30 16-0027	EA	22" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan	42.20	9.32
22 33 30 16-0028	EA	24" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan	46.03	9.32
22 33 30 16-0029	EA	26" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan	51.41	9.32
22 33 30 16-0030	EA	28" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan	58.33	9.32

22 33 30 23 Residential, Collector-To-Tank, Solar-Electric Domestic Water Heaters (22 33 30)

22 33 30 23-0001 Solar Electric Domestic Water Heaters (A.O. Smith CIRREX) (22 33 30 23)
Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.

22 33 30 23-0002	EA	80 Gallon, Solar Electric Domestic Water Heater	3,925.19	248.52
22 33 30 23-0003	EA	120 Gallon, Solar Electric Domestic Water Heater	4,705.24	264.05

22 33 33 Light-Commercial Electric Domestic Water Heaters (22 33)

22 33 33 00-0001 Standard Duty Electric Commercial Water Heaters (A.O. Smith DEL And DEN) (22 33 33)

Note: Includes glass lined tank, drain valve, and temperature and pressure relief valve.

22 33 33 00-0002	EA	Up To 2.5 KW, 6 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-6S)	2,352.47	217.46
22 33 33 00-0003	EA	Up To 6 KW, 10 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-10S)	2,547.34	217.46
22 33 33 00-0004	EA	Up To 6 KW, 20 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-20S)	2,754.85	248.52
22 33 33 00-0005	EA	Up To 12 KW, 30 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-30D)	4,981.88	248.52
22 33 33 00-0006	EA	Up To 12 KW, 40 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-40D)	5,724.75	310.65
22 33 33 00-0007	EA	Up To 12 KW, 50 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-50D)	6,312.98	372.79
22 33 33 00-0008	EA	Up To 12 KW, 80 Gallon, Dual Element Standard Upright Electric Commercial Water Heater (DEN-80D)	7,421.92	559.17

22 33 33 00-0009 Heavy-Duty Electric Commercial Water Heaters (A.O. Smith DSE) (22 33 33)

Note: Includes glass lined tank, ASME tank construction, drain valve, and temperature and pressure relief valve.

22 33 33 00-0010	EA	3 KW, 5 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-5-3)	9,250.06	217.46
22 33 33 00-0011	EA	3 KW, 10 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-10-3)	9,621.23	217.46
22 33 33 00-0012	EA	6 KW, 10 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-10-6)	10,023.33	217.46
22 33 33 00-0013	EA	3 KW, 20 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-20-3)	10,085.47	248.52
22 33 33 00-0014	EA	6 KW, 20 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-20-6)	10,549.44	248.52
22 33 33 00-0015	EA	9 KW, 20 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-20-9)	11,291.78	248.52
22 33 33 00-0016	EA	12 KW, 20 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-20-12)	11,786.67	248.52
22 33 33 00-0017	EA	15 KW, 20 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-20-15)	12,188.78	248.52
22 33 33 00-0018	EA	18 KW, 20 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-20-18)	12,621.81	248.52
22 33 33 00-0019	EA	6 KW, 30 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-30-6)	11,013.40	248.52
22 33 33 00-0020	EA	9 KW, 30 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-30-9)	11,446.43	248.52
22 33 33 00-0021	EA	12 KW, 30 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-30-12)	11,941.33	248.52
22 33 33 00-0022	EA	15 KW, 30 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-30-15)	12,343.43	248.52
22 33 33 00-0023	EA	18 KW, 30 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-30-18)	12,776.46	248.52
22 33 33 00-0024	EA	24 KW, 30 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-30-24)	15,962.35	248.52
22 33 33 00-0025	EA	9 KW, 40 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-40-9)	11,972.80	310.65
22 33 33 00-0026	EA	12 KW, 40 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-40-12)	12,374.90	310.65
22 33 33 00-0027	EA	15 KW, 40 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-40-15)	12,869.79	310.65
22 33 33 00-0028	EA	18 KW, 40 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-40-18)	13,302.82	310.65
22 33 33 00-0029	EA	24 KW, 40 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-40-24)	16,519.64	310.65
22 33 33 00-0030	EA	30 KW, 40 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-40-30)	18,004.32	310.65
22 33 33 00-0031	EA	36 KW, 40 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-40-36)	19,458.07	310.65
22 33 33 00-0032	EA	9 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-9)	13,829.19	372.79
22 33 33 00-0033	EA	12 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-12)	14,231.29	372.79
22 33 33 00-0034	EA	15 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-15)	14,633.39	372.79
22 33 33 00-0035	EA	18 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-18)	15,066.42	372.79
22 33 33 00-0036	EA	24 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-24)	18,376.03	372.79
22 33 33 00-0037	EA	30 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-30)	19,860.71	372.79
22 33 33 00-0038	EA	36 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-36)	21,314.46	372.79
22 33 33 00-0039	EA	45 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-45)	23,943.59	372.79
22 33 33 00-0040	EA	54 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-54)	25,118.96	372.79
22 33 33 00-0041	EA	60 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-60)	29,201.84	372.79
22 33 33 00-0042	EA	75 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-75)	34,460.10	372.79
22 33 33 00-0043	EA	90 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-90)	43,306.33	372.79
22 33 33 00-0044	EA	9 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-9)	15,500.54	497.05
22 33 33 00-0045	EA	12 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-12)	15,964.50	497.05
22 33 33 00-0046	EA	15 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-15)	16,397.53	497.05
22 33 33 00-0047	EA	18 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-18)	16,768.70	497.05
22 33 33 00-0048	EA	24 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-24)	20,047.38	497.05
22 33 33 00-0049	EA	30 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-30)	21,532.06	497.05
22 33 33 00-0050	EA	36 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-36)	22,954.88	497.05
22 33 33 00-0051	EA	45 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-45)	25,645.87	497.05
22 33 33 00-0052	EA	54 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-54)	26,790.32	497.05
22 33 33 00-0053	EA	60 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-60)	30,904.13	497.05
22 33 33 00-0054	EA	75 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-75)	36,193.31	497.05
22 33 33 00-0055	EA	90 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-90)	45,008.62	497.05
22 33 33 00-0056	EA	12 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-12)	17,326.00	559.17
22 33 33 00-0057	EA	15 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-15)	17,759.03	559.17
22 33 33 00-0058	EA	18 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-18)	18,130.20	559.17
22 33 33 00-0059	EA	24 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-24)	21,439.81	559.17
22 33 33 00-0060	EA	30 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-30)	22,769.84	559.17
22 33 33 00-0061	EA	36 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-36)	24,316.38	559.17

22 Plumbing**22 30 Plumbing Equipment****22 33 Electric Domestic Water Heaters**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 33 33 00-0062	EA	45 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-45)	27,007.37	559.17
22 33 33 00-0063	EA	54 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-54)	28,182.74	559.17
22 33 33 00-0064	EA	60 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-60)	32,049.11	559.17
22 33 33 00-0065	EA	75 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-75)	37,554.81	559.17
22 33 33 00-0066	EA	90 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-90)	46,370.11	559.17
22 33 33 00-0067	EA	15 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-15)	19,491.70	621.31
22 33 33 00-0068	EA	18 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-18)	19,986.59	621.31
22 33 33 00-0069	EA	24 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-24)	23,203.40	621.31
22 33 33 00-0070	EA	30 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-30)	24,688.09	621.31
22 33 33 00-0071	EA	36 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-36)	26,141.84	621.31
22 33 33 00-0072	EA	45 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-45)	28,770.97	621.31
22 33 33 00-0073	EA	54 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-54)	29,977.27	621.31
22 33 33 00-0074	EA	60 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-60)	34,029.22	621.31
22 33 33 00-0075	EA	75 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-75)	39,287.47	621.31
22 33 33 00-0076	EA	90 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-90)	48,164.64	621.31
22 33 33 00-0077	EA	15 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-15)	20,853.74	745.57
22 33 33 00-0078	EA	18 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-18)	21,286.77	745.57
22 33 33 00-0079	EA	24 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-24)	24,503.58	745.57
22 33 33 00-0080	EA	30 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-30)	25,926.41	745.57
22 33 33 00-0081	EA	36 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-36)	27,442.02	745.57
22 33 33 00-0082	EA	45 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-45)	30,071.15	745.57
22 33 33 00-0083	EA	54 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-54)	31,184.66	745.57
22 33 33 00-0084	EA	60 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-60)	35,360.33	745.57
22 33 33 00-0085	EA	75 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-75)	40,649.51	745.57
22 33 33 00-0086	EA	90 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-90)	49,433.89	745.57

22 33 33 00-0087 Water Heater Accessories (22 33 33)

22 33 33 00-0088	EA	Up To 80 Gallon Water Heater Strap	51.01	
Note: Includes (4) Straps (4) J-Clips (4) Lag Bolts (2) 3/8" Carriage Bolts (2) 3/8" Hex Nuts				
22 33 33 00-0089	EA	>80 To 120 Gallon Water Heater Strap	74.67	
Note: Includes (4) Straps (4) J-Clips (4) Lag Bolts (2) 3/8" Carriage Bolts (2) 3/8" Hex Nuts				

22 33 33 00-0090 Removal And Reinstallation Of Water Heater (22 33 33)

Note: Includes storage and cleaning.

22 33 33 00-0091	EA	Removal And Reinstallation Of Water Heater Electric, Up To 82 Gallon	414.21	
22 33 33 00-0092	EA	Removal And Reinstallation Of Water Heater Electric, 83 Gallon To 200 Gallon	1,242.62	

22 33 36 Commercial Domestic Water Electric Booster Heaters (22 33)**22 33 36 16 Commercial Storage Electric Domestic Water Heaters (22 33 36)****22 33 36 16-0001 Commercial Storage Electric Domestic Water Heaters (22 33 36 16)**

22 33 36 16-0002	EA	150 Gallon, 15 KW, 480 Voltage, Commercial Electric Water Heater	41,343.98	817.46
22 33 36 16-0003	EA	150 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater	43,381.14	817.46
22 33 36 16-0004	EA	150 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater	45,418.31	817.46
22 33 36 16-0005	EA	150 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	47,455.47	817.46
22 33 36 16-0006	EA	150 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	51,529.80	817.46
22 33 36 16-0007	EA	150 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	55,604.13	817.46
22 33 36 16-0008	EA	150 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	58,863.60	817.46
22 33 36 16-0009	EA	200 Gallon, 15 KW, 480 Voltage, Commercial Electric Water Heater	44,043.34	960.52
22 33 36 16-0010	EA	200 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater	46,096.18	960.52
22 33 36 16-0011	EA	200 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater	48,149.02	960.52
22 33 36 16-0012	EA	200 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	50,201.86	960.52
22 33 36 16-0013	EA	200 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	54,307.52	960.52
22 33 36 16-0014	EA	200 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	58,413.19	960.52
22 33 36 16-0015	EA	200 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	61,697.73	960.52
22 33 36 16-0016	EA	200 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	66,624.53	960.52
22 33 36 16-0017	EA	250 Gallon, 15 KW, 480 Voltage, Commercial Electric Water Heater	45,735.04	1,093.36
22 33 36 16-0018	EA	250 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater	47,758.27	1,093.36
22 33 36 16-0019	EA	250 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater	49,781.51	1,093.36
22 33 36 16-0020	EA	250 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	51,804.74	1,093.36
22 33 36 16-0021	EA	250 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	55,851.22	1,093.36
22 33 36 16-0022	EA	250 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	59,897.69	1,093.36
22 33 36 16-0023	EA	250 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	63,944.16	1,093.36
22 33 36 16-0024	EA	250 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	68,799.93	1,093.36
22 33 36 16-0025	EA	250 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	73,655.69	1,093.36
22 33 36 16-0026	EA	300 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater	50,449.77	1,256.85
22 33 36 16-0027	EA	300 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater	52,485.96	1,256.85
22 33 36 16-0028	EA	300 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	54,522.14	1,256.85
22 33 36 16-0029	EA	300 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	58,594.51	1,256.85
22 33 36 16-0030	EA	300 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	62,666.88	1,256.85
22 33 36 16-0031	EA	300 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	65,924.78	1,256.85
22 33 36 16-0032	EA	300 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	72,169.08	1,256.85
22 33 36 16-0033	EA	300 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	77,055.93	1,256.85
22 33 36 16-0034	EA	300 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater	79,499.35	1,256.85
22 33 36 16-0035	EA	300 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater	81,942.77	1,256.85
22 33 36 16-0036	EA	300 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater	84,386.20	1,256.85
22 33 36 16-0037	EA	350 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater	56,000.13	1,481.66
22 33 36 16-0038	EA	350 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater	57,908.25	1,481.66
22 33 36 16-0039	EA	350 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	59,816.36	1,481.66
22 33 36 16-0040	EA	350 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	63,632.60	1,481.66
22 33 36 16-0041	EA	350 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	67,448.84	1,481.66
22 33 36 16-0042	EA	350 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	70,501.83	1,481.66

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 33 36 16-0043	EA	350 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater.....	75,081.31	1,481.66
22 33 36 16-0044	EA	350 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater.....	79,660.80	1,481.66
22 33 36 16-0045	EA	350 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater.....	81,950.54	1,481.66
22 33 36 16-0046	EA	350 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater.....	84,240.28	1,481.66
22 33 36 16-0047	EA	350 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater.....	86,530.02	1,481.66
22 33 36 16-0048	EA	350 Gallon, 297 KW, 480 Voltage, Commercial Electric Water Heater.....	89,964.64	1,481.66
22 33 36 16-0049	EA	400 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater.....	61,407.42	1,634.93
22 33 36 16-0050	EA	400 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater.....	63,764.94	1,634.93
22 33 36 16-0051	EA	400 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater.....	66,122.47	1,634.93
22 33 36 16-0052	EA	400 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater.....	70,837.51	1,634.93
22 33 36 16-0053	EA	400 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater.....	75,552.57	1,634.93
22 33 36 16-0054	EA	400 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater.....	79,324.61	1,634.93
22 33 36 16-0055	EA	400 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater.....	84,982.68	1,634.93
22 33 36 16-0056	EA	400 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater.....	90,640.73	1,634.93
22 33 36 16-0057	EA	400 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater.....	93,469.76	1,634.93
22 33 36 16-0058	EA	400 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater.....	96,298.79	1,634.93
22 33 36 16-0059	EA	400 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater.....	99,127.83	1,634.93
22 33 36 16-0060	EA	400 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater.....	104,785.89	1,634.93
22 33 36 16-0061	EA	400 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater.....	107,614.91	1,634.93
22 33 36 16-0062	EA	500 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater.....	71,688.56	1,839.30
22 33 36 16-0063	EA	500 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater.....	74,201.02	1,839.30
22 33 36 16-0064	EA	500 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater.....	76,713.49	1,839.30
22 33 36 16-0065	EA	500 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater.....	81,738.42	1,839.30
22 33 36 16-0066	EA	500 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater.....	86,763.35	1,839.30
22 33 36 16-0067	EA	500 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater.....	90,783.29	1,839.30
22 33 36 16-0068	EA	500 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater.....	96,813.21	1,839.30
22 33 36 16-0069	EA	500 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater.....	102,843.13	1,839.30
22 33 36 16-0070	EA	500 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater.....	105,858.09	1,839.30
22 33 36 16-0071	EA	500 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater.....	108,873.04	1,839.30
22 33 36 16-0072	EA	500 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater.....	111,888.00	1,839.30
22 33 36 16-0073	EA	500 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater.....	117,917.92	1,839.30
22 33 36 16-0074	EA	500 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater.....	120,932.88	1,839.30
22 33 36 16-0075	EA	500 Gallon, 360 KW, 480 Voltage, Commercial Electric Water Heater.....	126,962.80	1,839.30
22 33 36 16-0076	EA	500 Gallon, 396 KW, 480 Voltage, Commercial Electric Water Heater.....	132,992.70	1,839.30
22 33 36 16-0077	EA	600 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater.....	84,163.58	2,043.66
22 33 36 16-0078	EA	600 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater.....	87,084.76	2,043.66
22 33 36 16-0079	EA	600 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater.....	90,005.95	2,043.66
22 33 36 16-0080	EA	600 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater.....	95,848.31	2,043.66
22 33 36 16-0081	EA	600 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater.....	101,690.69	2,043.66
22 33 36 16-0082	EA	600 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater.....	106,364.59	2,043.66
22 33 36 16-0083	EA	600 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater.....	112,394.50	2,043.66
22 33 36 16-0084	EA	600 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater.....	119,405.34	2,043.66
22 33 36 16-0085	EA	600 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater.....	122,910.77	2,043.66
22 33 36 16-0086	EA	600 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater.....	126,416.19	2,043.66
22 33 36 16-0087	EA	600 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater.....	129,921.62	2,043.66
22 33 36 16-0088	EA	600 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater.....	137,913.39	2,043.66
22 33 36 16-0089	EA	600 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater.....	144,924.23	2,043.66
22 33 36 16-0090	EA	600 Gallon, 360 KW, 480 Voltage, Commercial Electric Water Heater.....	148,429.66	2,043.66
22 33 36 16-0091	EA	600 Gallon, 396 KW, 480 Voltage, Commercial Electric Water Heater.....	155,440.50	2,043.66
22 33 36 16-0092	EA	800 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater.....	97,050.65	2,728.29
22 33 36 16-0093	EA	800 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater.....	103,003.53	2,728.29
22 33 36 16-0094	EA	800 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater.....	108,956.41	2,728.29
22 33 36 16-0095	EA	800 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater.....	113,718.71	2,728.29
22 33 36 16-0096	EA	800 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater.....	120,862.17	2,728.29
22 33 36 16-0097	EA	800 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater.....	128,005.62	2,728.29
22 33 36 16-0098	EA	800 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater.....	131,577.35	2,728.29
22 33 36 16-0099	EA	800 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater.....	135,149.08	2,728.29
22 33 36 16-0100	EA	800 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater.....	138,720.80	2,728.29
22 33 36 16-0101	EA	800 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater.....	145,864.26	2,728.29
22 33 36 16-0102	EA	800 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater.....	153,007.72	2,728.29
22 33 36 16-0103	EA	800 Gallon, 360 KW, 480 Voltage, Commercial Electric Water Heater.....	156,579.44	2,728.29
22 33 36 16-0104	EA	800 Gallon, 396 KW, 480 Voltage, Commercial Electric Water Heater.....	163,722.90	2,728.29
22 33 36 16-0105	EA	1,000 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater.....	113,631.85	3,504.88
22 33 36 16-0106	EA	1,000 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater.....	118,728.59	3,504.88
22 33 36 16-0107	EA	1,000 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater.....	123,825.32	3,504.88
22 33 36 16-0108	EA	1,000 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater.....	127,902.71	3,504.88
22 33 36 16-0109	EA	1,000 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater.....	134,018.79	3,504.88
22 33 36 16-0110	EA	1,000 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater.....	140,134.88	3,504.88
22 33 36 16-0111	EA	1,000 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater.....	143,192.91	3,504.88
22 33 36 16-0112	EA	1,000 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater.....	146,250.96	3,504.88
22 33 36 16-0113	EA	1,000 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater.....	149,308.99	3,504.88
22 33 36 16-0114	EA	1,000 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater.....	155,425.08	3,504.88
22 33 36 16-0115	EA	1,000 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater.....	161,541.16	3,504.88
22 33 36 16-0116	EA	1,000 Gallon, 360 KW, 480 Voltage, Commercial Electric Water Heater.....	164,599.19	3,504.88
22 33 36 16-0117	EA	1,000 Gallon, 396 KW, 480 Voltage, Commercial Electric Water Heater.....	170,715.27	3,504.88
22 33 36 16-0118	EA	1,250 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater.....	126,084.19	4,087.32
22 33 36 16-0119	EA	1,250 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater.....	130,767.57	4,087.32
22 33 36 16-0120	EA	1,250 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater.....	135,450.94	4,087.32
22 33 36 16-0121	EA	1,250 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater.....	139,197.65	4,087.32
22 33 36 16-0122	EA	1,250 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater.....	144,817.70	4,087.32
22 33 36 16-0123	EA	1,250 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater.....	150,437.75	4,087.32
22 33 36 16-0124	EA	1,250 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater.....	153,247.78	4,087.32
22 33 36 16-0125	EA	1,250 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater.....	156,057.81	4,087.32
22 33 36 16-0126	EA	1,250 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater.....	158,867.84	4,087.32
22 33 36 16-0127	EA	1,250 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater.....	164,487.89	4,087.32

22 Plumbing**22 30 Plumbing Equipment****22 33 Electric Domestic Water Heaters**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 33 36 16-0128	EA	1,250 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater.....	170,107.94	4,087.32
22 33 36 16-0129	EA	1,250 Gallon, 360 KW, 480 Voltage, Commercial Electric Water Heater.....	172,917.96	4,087.32
22 33 36 16-0130	EA	1,250 Gallon, 396 KW, 480 Voltage, Commercial Electric Water Heater.....	178,538.02	4,087.32
22 33 36 16-0131	EA	1,250 Gallon, 432 KW, 480 Voltage, Commercial Electric Water Heater.....	184,158.07	4,087.32
22 33 36 16-0132	EA	1,500 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater.....	138,342.94	4,904.79
22 33 36 16-0133	EA	1,500 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater.....	142,867.80	4,904.79
22 33 36 16-0134	EA	1,500 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater.....	147,392.65	4,904.79
22 33 36 16-0135	EA	1,500 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater.....	151,012.54	4,904.79
22 33 36 16-0136	EA	1,500 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater.....	156,442.37	4,904.79
22 33 36 16-0137	EA	1,500 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater.....	161,872.19	4,904.79
22 33 36 16-0138	EA	1,500 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater.....	164,587.11	4,904.79
22 33 36 16-0139	EA	1,500 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater.....	167,302.02	4,904.79
22 33 36 16-0140	EA	1,500 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater.....	170,016.94	4,904.79
22 33 36 16-0141	EA	1,500 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater.....	175,446.76	4,904.79
22 33 36 16-0142	EA	1,500 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater.....	180,876.59	4,904.79
22 33 36 16-0143	EA	1,500 Gallon, 360 KW, 480 Voltage, Commercial Electric Water Heater.....	183,591.51	4,904.79
22 33 36 16-0144	EA	1,500 Gallon, 396 KW, 480 Voltage, Commercial Electric Water Heater.....	189,021.34	4,904.79
22 33 36 16-0145	EA	1,500 Gallon, 432 KW, 480 Voltage, Commercial Electric Water Heater.....	194,451.16	4,904.79

22 34 Fuel-Fired Domestic Water Heaters (22 30)**22 34 13 Instantaneous, Tankless, Gas Domestic Water Heaters** (22 34)**22 34 13 00-0001** Instantaneous, Tankless, Gas Domestic Water Heaters (22 34 13)**22 34 13 00-0002** Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heaters (22 34 13 00-0001)

Note: Includes vent connection. Excludes vent.

22 34 13 00-0003	EA	4.2 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-42PVN)	2,191.67	248.52
22 34 13 00-0004	EA	5.3 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53PVN)	2,375.42	251.63
22 34 13 00-0005	EA	5.3 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53DVN)	2,613.80	257.84
22 34 13 00-0006	EA	6.6 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-66DVN)	3,061.73	264.05
22 34 13 00-0007	EA	7.4 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74PVN)	3,725.70	279.59
22 34 13 00-0008	EA	7.4 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74DVN)	3,806.39	279.59

22 34 13 00-0009 Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heaters (22 34 13 00-0001)

22 34 13 00-0010	EA	5.3 GPM, Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53XN)	2,369.21	248.52
22 34 13 00-0011	EA	7.4 GPM, Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74XN)	3,725.70	279.59

22 34 30 Residential Gas Domestic Water Heaters (22 34)**22 34 30 13 Residential, Atmospheric, Gas Domestic Water Heaters** (22 34 30)**22 34 30 13-0001** Atmospheric, Gas Domestic Water Heaters (A.O. Smith ProMax) (22 34 30 13)

Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.

22 34 30 13-0002	EA	30 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCV-30)	1,631.09	239.20
22 34 30 13-0003	EA	40 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCV-40)	1,599.97	245.41
22 34 30 13-0004	EA	50 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCVX-50)	2,142.68	251.63
22 34 30 13-0005	EA	65 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCV-65)	2,321.75	257.84
22 34 30 13-0006	EA	75 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith FCG-75)	2,539.00	264.05
22 34 30 13-0007	EA	100 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith FCG-100)	3,776.78	279.59

22 34 30 16 Residential, Direct-Vent, Gas Domestic Water Heaters (22 34 30)**22 34 30 16-0001** Direct-Vent, Gas Domestic Water Heaters (A.O. Smith ProMax) (22 34 30 16)

Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.

22 34 30 16-0002	EA	40 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-40)	3,020.86	245.41
22 34 30 16-0003	EA	50 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-50)	3,449.19	251.63
22 34 30 16-0004	EA	75 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-75)	4,499.79	257.84

22 34 30 19 Residential, Power-Vent, Gas Domestic Water Heaters (22 34 30)**22 34 30 19-0001** Power-Vent, Gas Domestic Water Heaters (A.O. Smith ProMax) (22 34 30 19)

Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.

22 34 30 19-0002	EA	40 Gallon, Power-Vent, Gas Domestic Water Heater (A. O. Smith GPVH-40)	2,739.96	245.41
22 34 30 19-0003	EA	50 Gallon, Power-Vent, Gas Domestic Water Heater (A. O. Smith GPVH-50)	2,854.86	251.63

22 34 36 Commercial Gas Domestic Water Heaters (22 34)**22 34 36 13 Commercial, Atmospheric, Gas Domestic Water Heaters** (22 34 36)**22 34 36 13-0001** Gas Fired Commercial Water Heaters (A.O. Smith BTR) (22 34 36 13)

Note: Includes automatic flue damper, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.

22 34 36 13-0002	EA	120 MBH Input, 71 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-120)	6,840.49	372.79
22 34 36 13-0003	EA	154 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-154)	7,302.54	434.91

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 34 36 13-0004	EA		180 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-180)	9,034.92	497.05
22 34 36 13-0005	EA		199 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-199)	7,815.98	497.05
22 34 36 13-0006	EA		199 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-200)	8,985.13	497.05
22 34 36 13-0007	EA		199 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-200A)	11,980.80	546.76
22 34 36 13-0008	EA		250 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-250)	8,702.46	559.17
22 34 36 13-0009	EA		250 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-250A)	12,905.50	615.10
22 34 36 13-0010	EA		251 MBH Input, 65 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-251)	8,837.54	559.17
22 34 36 13-0011	EA		251 MBH Input, 65 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-251A)	12,310.47	615.10
22 34 36 13-0012	EA		275 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-275)	9,793.66	683.44
22 34 36 13-0013	EA		275 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-275A)	13,468.36	751.78
22 34 36 13-0014	EA		305 MBH Input, 65 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-305)	11,015.88	683.44
22 34 36 13-0015	EA		305 MBH Input, 65 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-305A)	13,548.77	751.78
22 34 36 13-0016	EA		365 MBH Input, 85 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-365)	10,657.76	745.57
22 34 36 13-0017	EA		365 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-365A)	14,955.91	820.13
22 34 36 13-0018	EA		390 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-400)	13,536.34	745.57
22 34 36 13-0019	EA		390 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-400A)	17,721.98	820.13
22 34 36 13-0020	EA		500 MBH Input, 85 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-500)	17,648.88	807.70
22 34 36 13-0021	EA		150 MBH Input, 32 Gallon, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-151)	8,814.17	434.91
22 34 36 13-0022	EA		150 MBH Input, 32 Gallon, ASME Rated Tank, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-151A)	10,573.66	478.41
22 34 36 13-0023	EA		199 MBH Input, 32 Gallon, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-201)	9,163.57	497.05
22 34 36 13-0024	EA		199 MBH Input, 32 Gallon, ASME Rated Tank, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-201A)	10,983.73	546.76
22 34 36 13-0025	EA		Sidewall Power Vent System For BTR-120 through BTR-200	2,229.41	310.65
22 34 36 13-0026	EA		Sidewall Power Vent System For BTR-250 through BTR-500	2,438.47	310.65

22 34 36 13-0027 Removal And Reinstallation Of Water Heater (22 34 36 13)

Note: Includes storage and cleaning.

22 34 36 13-0028	EA		Removal And Reinstallation Of Water Heater Gas Fired, Up To 86 Gallon	564.83	
22 34 36 13-0029	EA		Removal And Reinstallation Of Water Heater Gas Fired, 87 Gallon To 200 Gallon	1,493.53	

22 34 36 19 Commercial, Power-Vent, Gas Domestic Water Heaters (22 34 36)

22 34 36 19-0001 Induced Draft Blower Gas Fired Commercial Water Heaters (A.O. Smith BTN) (22 34 36 19)

Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.

22 34 36 19-0002	EA		90 MBH Input, 98 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-100)	5,570.03	372.79
22 34 36 19-0003	EA		120 MBH Input, 71 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-120)	7,966.22	372.79
22 34 36 19-0004	EA		154 MBH Input, 81 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-154)	9,714.75	434.91
22 34 36 19-0005	EA		180 MBH Input, 99 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-180)	10,112.40	497.05
22 34 36 19-0006	EA		199 MBH Input, 99 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-199)	10,160.65	497.05
22 34 36 19-0007	EA		199 MBH Input, 100 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-200)	10,385.79	497.05
22 34 36 19-0008	EA		199 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-200A)	12,189.86	546.76
22 34 36 19-0009	EA		250 MBH Input, 100 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-250)	11,458.88	559.17
22 34 36 19-0010	EA		250 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-250A)	14,095.55	615.10
22 34 36 19-0011	EA		275 MBH Input, 100 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-275)	12,012.95	683.44
22 34 36 19-0012	EA		275 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-275A)	14,722.74	751.78
22 34 36 19-0013	EA		310 MBH Input, 85 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-310)	12,270.26	683.44
22 34 36 19-0014	EA		310 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-310A)	14,883.56	751.78
22 34 36 19-0015	EA		366 MBH Input, 85 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-366)	13,761.48	745.57
22 34 36 19-0016	EA		366 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-366A)	16,178.13	820.13
22 34 36 19-0017	EA		390 MBH Input, 85 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-400)	16,672.29	745.57
22 34 36 19-0018	EA		390 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-400A)	19,233.67	820.13

22 34 36 19-0019 Condensing Gas Fired Commercial Water Heaters (A.O. Smith BTX And BTH) (22 34 36 19)

Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.

22 34 36 19-0020	EA		76 MBH Input, 50 Gallon, 90% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTX-80)	4,315.65	372.79
22 34 36 19-0021	EA		100 MBH Input, 50 Gallon, 90% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTX-100)	5,795.17	372.79
22 34 36 19-0022	EA		120 MBH Input, 60 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-120)	7,017.39	372.79

22 Plumbing**22 30 Plumbing Equipment****22 34 Fuel-Fired Domestic Water Heaters**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 34 36 19-0023	EA	120 MBH Input, 60 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-120A)	10,115.33	410.06
22 34 36 19-0024	EA	150 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-150)	10,358.02	434.91
22 34 36 19-0025	EA	150 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-150A)	13,066.34	478.41
22 34 36 19-0026	EA	199 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-199)	10,514.45	497.05
22 34 36 19-0027	EA	199 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-199A)	13,460.32	546.76
22 34 36 19-0028	EA	250 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-250)	12,150.39	559.17
22 34 36 19-0029	EA	250 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-250A)	14,787.07	615.10
22 34 36 19-0030	EA	300 MBH Input, 119 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-300A)	19,354.30	751.78
22 34 36 19-0031	EA	399.9 MBH Input, 119 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-400A)	20,343.31	820.13
22 34 36 19-0032	EA	499.9 MBH Input, 119 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-500A)	23,406.89	888.47

22 34 36 23 Commercial, High-Efficiency, Gas Domestic Water Heaters (22 34 36)

22 34 36 23-0001	Gas Fired Domestic Hot Water Skid Package (Laars Mighty Therm) (22 34 36 23) Note: Includes (2) Laars Mighty Therm boilers, (2) B&G boiler primary pumps (one per boiler), T&P valve, circuit setter, storage tank (sized for 10 minutes buffer based on 50 degree city water supply, and operating set point for the tank at 130 degrees storage), and all necessary accessories for system monitoring such as gauges and thermometers. UL listed and labeled. Excludes piping insulation or seismic calculations.			
22 34 36 23-0002	EA	400 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-400)	97,971.39	1,634.93
22 34 36 23-0003	EA	1,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-1000)	118,559.66	1,737.12
22 34 36 23-0004	EA	2,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-2000)	144,172.99	1,839.30
22 34 36 23-0005	EA	3,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-3000)	172,462.98	1,941.48
22 34 36 23-0006	EA	4,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-4000)	180,765.89	2,043.66

22 34 36 23-0007	Gas Fired Volume Water Heater (Laars Mighty Therm) (22 34 36 23)			
22 34 36 23-0008	EA	200 MBH Gas Fired Volume Water Heater (Laars MT2V0200)	12,094.83	915.83
22 34 36 23-0009	EA	300 MBH Gas Fired Volume Water Heater (Laars MT2V0300)	13,115.27	1,030.31
22 34 36 23-0010	EA	400 MBH Gas Fired Volume Water Heater (Laars MT2V0400)	15,173.54	1,259.27
22 34 36 23-0011	EA	500 MBH Gas Fired Volume Water Heater (Laars MT2V0500)	22,199.67	1,373.75
22 34 36 23-0012	EA	750 MBH Gas Fired Volume Water Heater (Laars MT2V0750)	24,399.30	1,602.70
22 34 36 23-0013	EA	1,000 MBH Gas Fired Volume Water Heater (Laars MT2V1000)	27,910.06	1,831.66
22 34 36 23-0014	EA	1,250 MBH Gas Fired Volume Water Heater (Laars MT2V1250)	30,825.06	2,060.62
22 34 36 23-0015	EA	1,500 MBH Gas Fired Volume Water Heater (Laars MT2V1500)	36,886.40	2,289.58
22 34 36 23-0016	EA	1,750 MBH Gas Fired Volume Water Heater (Laars MT2V1750)	38,269.96	2,404.05
22 34 36 23-0017	EA	2,000 MBH Gas Fired Volume Water Heater (Laars MT2V2000)	41,066.89	2,518.53

22 34 36 23-0018	Gas Fired Condensing Volume Water Heaters, High Efficiency (Laars NeoTherm) (22 34 36 23) Note: Includes relief valve, pump, flow switch, drain valve, low air pressure switch, hi limit reset switch and copper finned heat exchanger.			
22 34 36 23-0019	EA	150 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV150)	20,412.72	686.76
		For Skid Mounting, Add	950.00	
22 34 36 23-0020	EA	199 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV199)	23,723.58	915.83
		For Skid Mounting, Add	950.00	
22 34 36 23-0021	EA	285 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV285)	31,089.45	1,030.31
		For Skid Mounting, Add	950.00	
22 34 36 23-0022	EA	399 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV399)	39,048.33	1,259.27
		For Skid Mounting, Add	950.00	
22 34 36 23-0023	EA	500 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV500)	46,159.71	1,373.75
		For Skid Mounting, Add	950.00	
22 34 36 23-0024	EA	600 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV600)	52,212.27	1,488.22
		For Skid Mounting, Add	950.00	
22 34 36 23-0025	EA	750 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV750)	62,715.85	1,602.70
		For Skid Mounting, Add	950.00	
22 34 36 23-0026	EA	850 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV850)	69,518.40	1,717.18
		For Skid Mounting, Add	950.00	
22 34 36 23-0027	EA	1,000 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV1000)	91,518.66	1,831.66
		For Skid Mounting, Add	950.00	
22 34 36 23-0028	EA	1,700 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV1700)	123,037.25	2,404.05
		For Skid Mounting, Add	950.00	

22 34 36 26 Commercial, Coil-Type, Finned-Tube, Gas Domestic Water Heaters (22 34 36)

22 34 36 26-0001	Laars Rheos+ 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heaters (22 34 36 26)			
22 34 36 26-0002	EA	1,200 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	36,759.41	1,740.08
22 34 36 26-0003	EA	1,600 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	51,912.52	1,923.25
22 34 36 26-0004	EA	2,000 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	56,328.75	2,014.83
22 34 36 26-0005	EA	2,400 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	61,010.49	2,197.99

		Plumbing	22	22
		Plumbing Equipment	22 30	
		Fuel-Fired Domestic Water Heaters	22 34	
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
		UNIT COST	UNIT COST	

22 34 36 26-0006		Laars Rheos 86% Efficient Gas Fired, Copper Fin Tube LoNox Water Heaters (22 34 36 26)		
22 34 36 26-0007	EA	1,200 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	32,602.35	1,740.08
22 34 36 26-0008	EA	1,600 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	36,017.11	1,923.25
22 34 36 26-0009	EA	2,000 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	39,373.01	2,014.83
22 34 36 26-0010	EA	2,400 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	42,778.22	2,197.99

22 34 36 26-0011		Laars Pennant 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heaters (22 34 36 26)		
22 34 36 26-0012	EA	200 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	8,379.68	824.25
22 34 36 26-0013	EA	300 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	9,219.08	915.83
22 34 36 26-0014	EA	400 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	10,827.94	1,099.00
22 34 36 26-0015	EA	500 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	15,261.63	1,144.79
22 34 36 26-0016	EA	750 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	16,816.46	1,373.75
22 34 36 26-0017	EA	1,000 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	20,738.38	1,648.50
22 34 36 26-0018	EA	1,250 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	23,571.26	1,740.08
22 34 36 26-0019	EA	1,500 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	26,125.98	1,877.46
22 34 36 26-0020	EA	1,750 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	28,516.93	1,969.04
22 34 36 26-0021	EA	2,000 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	30,604.23	2,014.83

22 34 36 26-0022		Patterson Kelley Thermific Sealed Combustion, Gas Fired, Copper Fin Tube Water Heaters (22 34 36 26)		
22 34 36 26-0023	EA	700 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific)	23,789.52	1,373.75
22 34 36 26-0024	EA	1,000 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific)	26,243.83	1,648.50
22 34 36 26-0025	EA	1,500 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific)	31,408.95	1,877.46
22 34 36 26-0026	EA	1,700 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific)	32,379.50	1,969.04
22 34 36 26-0027	EA	2,000 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific)	33,866.29	2,014.83

22 34 36 26-0028		Patterson Kelley Modufire Forced Draft, Water, Gas Fired, Copper Fin Tube Water Heaters (22 34 36 26)		
22 34 36 26-0029	EA	1,000 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Modufire)	28,611.53	1,648.50
22 34 36 26-0030	EA	1,500 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Modufire)	34,550.75	1,877.46
22 34 36 26-0031	EA	2,000 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Modufire)	36,677.20	2,014.83

22 34 46 Oil-Fired Domestic Water Heaters (22 34)

22 34 46 11 Standard-capacity, Oil-Fired Domestic Water Heaters (22 34 46)

22 34 46 11-0001		Oil-Fired Domestic Water Heaters (Bock) (22 34 46 11) Note: Includes burner, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 46 11-0002	EA	60 MBH, 20 Gallon, Oil-Fired Domestic Water Heater (Bock 20E)	2,268.38	191.36
22 34 46 11-0003	EA	104 MBH, 32 Gallon, Oil-Fired Domestic Water Heater (Bock 32E)	2,236.94	191.36
22 34 46 11-0004	EA	104 MBH, 33 Gallon, Oil-Fired Domestic Water Heater (Bock 33ES)	2,337.95	191.36
22 34 46 11-0005	EA	125 MBH, 40 Gallon, Oil-Fired Domestic Water Heater (Bock 40E)	2,470.75	196.33
22 34 46 11-0006	EA	140 MBH, 50 Gallon, Oil-Fired Domestic Water Heater (Bock 50ES)	3,159.75	201.30
22 34 46 11-0007	EA	152 MBH, 50 Gallon, Oil-Fired Domestic Water Heater (Bock 51E)	2,660.26	201.30

22 34 46 11-0008		Oil Fired Commercial Water Heaters (22 34 46 11) Note: Includes burner, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 46 11-0009	EA	173 MBH, 68 Gallon, Oil-Fired Commercial Water Heater (Bock 71E)	3,680.55	298.23
22 34 46 11-0010	EA	199 MBH, 67 Gallon, Oil-Fired Commercial Water Heater (Bock 72E)	4,338.15	298.23
22 34 46 11-0011	EA	242 MBH, 67 Gallon, Oil-Fired Commercial Water Heater (Bock 73E)	4,363.44	298.23
22 34 46 11-0012	EA	190 MBH, 113 Gallon, Oil-Fired Commercial Water Heater (Bock 120E)	6,294.42	397.63
22 34 46 11-0013	EA	415 MBH, 91 Gallon, Oil-Fired Commercial Water Heater (Bock 361E)	8,649.16	497.05
22 34 46 11-0014	EA	623 MBH, 83 Gallon, Oil-Fired Commercial Water Heater (Bock 541E)	10,911.25	546.76

22 35 Domestic Water Heat Exchangers (22 30)

22 35 23 Circulating, Domestic Water Heat Exchangers (22 35)

22 35 23 13 Circulating, Compact Domestic Water Heat Exchangers (22 35 23)

22 35 23 13-0001		Steam Driven Water Heaters (22 35 23 13)		
22 35 23 13-0002		Constant Flow (22 35 23 13-0001)		
22 35 23 13-0003	EA	30 GPM, 700 Lb./Hour Steam Water Heater, Constant Flow	6,570.54	621.31
22 35 23 13-0004	EA	90 GPM, 1,250 Lb./Hour Steam Water Heater, Constant Flow	8,204.31	761.35
22 35 23 13-0005	EA	140 GPM, 2,500 Lb./Hour Steam Water Heater, Constant Flow	10,516.04	995.71
22 35 23 13-0006	EA	230 GPM, 5,000 Lb./Hour Steam Water Heater, Constant Flow	14,235.92	1,386.89
22 35 23 13-0007	EA	500 GPM, 7,500 Lb./Hour Steam Water Heater, Constant Flow	21,041.79	2,284.18
22 35 23 13-0008	EA	900 GPM, 10,000 Lb./Hour Steam Water Heater, Constant Flow	22,946.91	2,588.75
22 35 23 13-0009	EA	1,400 GPM, 15,000 Lb./Hour Steam Water Heater, Constant Flow	30,050.55	2,987.01

22 Plumbing**22 30 Plumbing Equipment****22 35 Domestic Water Heat Exchangers**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 35 23 13-0010 EA 2,400 GPM, 20,000 Lb./Hour Steam Water Heater, Constant Flow.....36,147.88 3,530.15

22 35 23 13-0011 Variable Flow (22 35 23 13-0001)
 22 35 23 13-0012 EA 30 GPM, 700 Lb./Hour Steam Water Heater, Variable Flow.....9,939.89 1,211.55
 22 35 23 13-0013 EA 90 GPM, 1,250 Lb./Hour Steam Water Heater, Variable Flow.....11,281.69 1,479.34
 22 35 23 13-0014 EA 140 GPM, 2,500 Lb./Hour Steam Water Heater, Variable Flow.....14,395.23 1,912.88
 22 35 23 13-0015 EA 230 GPM, 5,000 Lb./Hour Steam Water Heater, Variable Flow.....18,902.31 2,668.90
 22 35 23 13-0016 EA 500 GPM, 7,500 Lb./Hour Steam Water Heater, Variable Flow.....28,280.16 4,463.49
 22 35 23 13-0017 EA 900 GPM, 10,000 Lb./Hour Steam Water Heater, Variable Flow.....34,339.26 4,915.44
 22 35 23 13-0018 EA 1,400 GPM, 15,000 Lb./Hour Steam Water Heater, Variable Flow.....39,786.89 5,752.83
 22 35 23 13-0019 EA 2,400 GPM, 20,000 Lb./Hour Steam Water Heater, Variable Flow.....50,321.22 6,872.93
22 40 Plumbing Fixtures (22)

Note: The following Energy Policy Act Flow Rates Requirements superseded flow rates standards listed in section. Plumbing fixtures and trim should not exceed the maximum flow rates set forth in The Energy Policy Act 92. lavatory faucets - 2.5 gal/min, lavatory replacement aerators - 2.5 gal/min, kitchen faucets - 2.5 gal/min, kitchen replacement aerators - 2.5 gal/min, metering faucets - 0.25 gal/cycle, gravity tank-type toilets - 1.6 gal/flush, flushometer tank toilets - 1.6 gal/flush, electromechanical hydraulic toilets - 1.6 gal/flush, blowdown toilets - 3.5 gal/flush, urinals - 1.0 gal/flush.

22 41 Residential Plumbing Fixtures (22 40)**22 41 26 Residential Disposers** (22 41)**22 41 26 00-0001 Disposals** (22 41 26)
 22 41 26 00-0002 EA 1/3 HP Insulated Garbage Disposal.....274.17 67.31
 22 41 26 00-0003 EA 1/2 HP Insulated Garbage Disposal.....314.63 67.31
 22 41 26 00-0004 EA 3/4 HP Insulated Garbage Disposal.....415.77 67.31
 22 41 26 00-0005 EA 1 HP Insulated Garbage Disposal.....516.91 67.31
22 41 39 Residential Faucets, Supplies, and Trim (22 41)**22 41 39 00-0001 Residential Kitchen Faucets** (22 41 39)
 22 41 39 00-0002 EA Chrome Single Handle Kitchen Faucet (Delta 100LF-WF).....210.37 57.21
 22 41 39 00-0003 EA Chrome Single Handle Kitchen Faucet With Spray (Delta 400LF-WF).....242.51 57.21
 22 41 39 00-0004 EA Chrome Single Handle Kitchen Faucet With Integrated Spray (Delta 300LF-WF).....242.51 57.21
 22 41 39 00-0005 EA Chrome Two Handle Kitchen Faucet, Three Hole Installation 8" Center (Delta 2102LF-LHP+H215).....233.63 57.21
 22 41 39 00-0006 EA Chrome Two Handle Kitchen Faucet With Spray, Three Hole Installation, 8" Center (Delta 2402LF-LHP+H215).....250.90 57.21
22 41 39 00-0007 Residential Lavatory Faucets (22 41 39)
 22 41 39 00-0008 EA Chrome, Single Acrylic Handle, Bath Faucet (Delta 502-DST).....191.54 41.19
For Faucet With Brass Pop-Up, Add 11.00
 22 41 39 00-0009 EA Chrome, Single Lever Handle, Lavatory Faucet (Delta 500-WF).....191.54 41.19
For Faucet With Brass Pop-Up, Add 11.00
 22 41 39 00-0010 EA Chrome, Two Handle, Bath Faucet With Acrylic Handles (Delta 2502LF).....138.67 41.19
For Faucet With Plastic Pop-Up, Add 14.00
For Faucet With Brass Pop-Up, Add 16.50
22 41 39 00-0011 Residential Bath And Shower Faucets (22 41 39)
 22 41 39 00-0012 EA Single Lever Handle, Chrome Shower Only, Pressure Balanced/Anti-Scald Valve (American Standard T675.501).....249.14 49.66
For Faucet With Polished Nickel Or Brass Finish, Add 25.00
 22 41 39 00-0013 EA Single Lever Handle, Chrome Bath And Shower, Pressure Balanced/Anti-Scald Valve (American Standard T675.502).....293.12 49.66
For Faucet With Polished Nickel Or Brass Finish, Add 25.00
 22 41 39 00-0014 EA Two-Knob Handle Chrome Shower And Tub Filler, Ceramic Valving (American Standard Cadet 3275).....229.98 49.66
For Faucet With Lever Handles, Add 8.10
For Faucet With Polished Nickel Or Brass Finish, Add 75.00
 22 41 39 00-0015 EA Three-Knob Handle Chrome Shower And Tub Filler, Ceramic Valving (American Standard Cadet 3375).....253.65 49.66
For Faucet With Lever Handles, Add 8.10
For Faucet With Polished Nickel Or Brass Finish, Add 75.00
 22 41 39 00-0016 EA Hand Shower With Hose And 25" Slide Bar (American Standard 1662.602).....281.99 31.07
 22 41 39 00-0017 EA Wall Mount, Hand Shower With Hose (Delta 55011).....234.90 31.07
 22 41 39 00-0018 EA Wall Mount, Hand Shower Unit With Hose (Delta Faucet 62001 DS).....263.47 31.07
22 41 39 00-0019 Residential Laundry Faucets (22 41 39)

22 41 39 00-0020 EA Stream Straightener Nozzle Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2123LF).....165.24 36.53

22 41 39 00-0021 Residential Laundry/Wash Basin Faucets (22 41 39)
 22 41 39 00-0022 EA Hose Thread Spout Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2121LF).....166.57 36.53
 22 41 39 00-0023 EA Hose Thread Spout With Vacuum Breaker Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2121LF+RP12503).....237.34 40.26
22 41 39 00-0024 Other Residential Faucets (22 41 39)

22 41 39 00-0025 EA Sillcock, Compact, Brass, IPS Or Copper To Hose.....44.50 9.32

22 42 Commercial Plumbing Fixtures (22 40)

Note: Prices are for commercial grade unless otherwise indicated. Includes final connection and all associated trim (seat, supply stop)

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

and line, wax seal, valve). Excludes rough-in within the wall and carrier.

22 42 13 Commercial Water Closets, Urinals, and Bidets (22 42)

22 42 13 13 Commercial Water Closets (22 42 13)

22 42 13 13-0001 Vitreous China Water Closets (22 42 13 13)
Note: With a 2" ball pass.

22 42 13 13-0002 Floor Mounted Elongated Vitreous China Water Closets (22 42 13 13-0001)
Note: Includes wax seal and toilet seat. Excludes flush valve.

22 42 13 13-0003	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Madera™)	676.54	119.00
22 42 13 13-0004	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Elongated Vitreous China Water Closet (American Standard Priolo™)	779.88	119.00
22 42 13 13-0005	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Wall Outlet, Elongated Vitreous China Water Closet (American Standard Yorkville™)	968.14	119.00
22 42 13 13-0006	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Cadet®)	880.84	119.00
22 42 13 13-0007	EA	1 Piece Tank Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Compact Cadet®)	831.55	119.00
22 42 13 13-0008	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet With Concealed Trapway (American Standard Cadet® 3 FloWise® RIGHT HEIGHT®)	834.94	119.00
22 42 13 13-0009	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (Kohler® Wellcome™)	668.97	119.00
22 42 13 13-0010	EA	1.28 GPF Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (Toto® CT705E)	707.02	119.00

22 42 13 13-0011 Wall Hung Elongated Vitreous China Water Closets (22 42 13 13-0001)
Note: Includes wax seal and toilet seat. Excludes flush valve.

22 42 13 13-0012	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Aftwall®)	785.78	146.46
22 42 13 13-0013	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Aftwall® ADA Retrofit)	936.22	146.46
22 42 13 13-0014	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Glenwall™)	1,140.52	146.46
22 42 13 13-0015	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Kohler® Kingston™)	788.38	146.46
22 42 13 13-0016	EA	Flush Valve Type, Blow Out, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Kohler® Stratton™)	1,112.73	146.46
22 42 13 13-0017	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Toto® CT708E Or CT708EV)	854.67	146.46
22 42 13 13-0018	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Zum Z5615-BWL)	751.49	146.46
22 42 13 13-0019	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Sloan ST-2459)	781.39	146.46

22 42 13 13-0020 Floor Mounted Elongated Handicapped Water Closets (22 42 13 13-0001)
Note: Includes wax seal and toilet seat. Excludes flush valve.

22 42 13 13-0021	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Madera™ ADA)	684.07	119.00
22 42 13 13-0022	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Colorado Right Height®)	697.13	119.00
22 42 13 13-0023	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Right Width™ Right Height®)	754.74	119.00
22 42 13 13-0024	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Huron)	826.01	119.00
22 42 13 13-0025	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Priolo® ADA)	823.04	119.00
22 42 13 13-0026	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Back Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Yorkville™ ADA)	1,050.50	119.00
22 42 13 13-0027	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Cadet Right Height™ ADA)	907.97	119.00
22 42 13 13-0028	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Toto® CT705ELN)	742.75	119.00
22 42 13 13-0029	EA	2 Piece Tank Type, High Efficiency Water Closet Floor Mounted, Elongated, (Sterling 402077) With Open-Front Seat (Kohler K-4650)	851.44	119.00
22 42 13 13-0030	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Kohler Highline™ ADA K-3519)	925.86	119.00
22 42 13 13-0031	EA	2 Piece Tank Type, Dual-Flush 1.1 And 1.6 GPF, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Vortens Vienna ELX-DF 3113-3436)	752.89	119.00
22 42 13 13-0032	EA	2 Piece Tank Type, High Efficiency Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Niagara Stealth™)	736.86	119.00
22 42 13 13-0033	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Zum HET Z5667-BWL)	712.77	119.00

22 42 13 13-0034 Floor Mounted, 10" High Bowl, Children's Height Vitreous China Water Closets (22 42 13 13-0001)
Note: Includes wax seal and toilet seat. Excludes flush valve.

22 42 13 13-0035	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, 10" High Bowl, Children's Height, Elongated Vitreous China Water Closet (Kohler® Primary™)	750.11	119.00
22 42 13 13-0036	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, 10" High Bowl, Children's Height, Round Front Vitreous China Water Closet (American Standard Baby Devoro™)	690.59	119.00
22 42 13 13-0037	EA	2 Piece Tank Type, Siphon Jet, Floor Mounted, Floor Outlet, 10" High Bowl, Children's Height, Round Front Vitreous China Water Closet (American Standard Baby Devoro™)	783.25	119.00

22 Plumbing**22 40 Plumbing Fixtures****22 42 Commercial Plumbing Fixtures**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI UOM DESCRIPTION		UNIT COST		UNIT COST	
22 42 13 13-0038 Floor Mounted Round Bowl Vitreous China Water Closets (22 42 13 13-0001)					
22 42 13 13-0039	EA	2 Piece Tank Type, Floor Mounted, Floor Outlet, Round Vitreous China Water Closet (Toto® CST715) With SoftClose® Seat (Toto® SS113)		712.52	119.00
22 42 13 13-0040	EA	2 Piece Tank Type, Dual Flush, Floor Mounted, Floor Outlet, Round Vitreous China Water Closet (Vortens 3208-3412)		742.32	119.00
22 42 13 13-0041 Stainless Steel Water Closets (22 42 13 13)					
22 42 13 13-0042	EA	Wall Hung Water Closet, Stainless Steel With Hinged Seat, Siphon Jet (Acorn 2105-T-1-HS)		2,903.97	257.45
22 42 13 13-0043	EA	Floor Mounted Water Closet, Stainless Steel With Hinged Seat, Siphon Jet (Acorn 2120-T-3-HS)		3,052.04	257.45
22 42 13 13-0044 Water Closet Carriers (22 42 13 13)					
22 42 13 13-0045 Pipe Grip Adaptor Type, Water Closet Carriers (22 42 13 13-0044)					
Note: Includes coated cast iron construction, plated hardware and adjustable feet. Excludes waste piping and fittings.					
22 42 13 13-0046	EA	Pipe Grip Adaptor Type, Water Closet Carrier		682.96	60.41
22 42 13 13-0047 No-Hub, Water Closet Carriers (22 42 13 13-0044)					
Note: Includes coated cast iron construction, ABS extension with integral test cap, plated hardware and neoprene fixture gasket. Includes buttress feet or pylon feet and anchor foot.					
22 42 13 13-0048	EA	Vertical Close With Offset, No-Hub, Single Water Closet Carrier		1,072.87	60.41
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct		-95.67	
		For Positioning Frame, Add		60.57	
		For Supply Pipe Support, Add		62.00	
		For Vandal Proof Trim, Add		81.42	
		For Auxiliary Inlet, Add		263.71	
		For Special Duty 500 Lb. Carrier, Add		454.18	
22 42 13 13-0049	EA	Vertical Close On Stack, No-Hub, Single Water Closet Carrier		1,072.87	60.41
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct		-95.67	
		For Positioning Frame, Add		60.57	
		For Supply Pipe Support, Add		62.00	
		For Vandal Proof Trim, Add		81.42	
		For Auxiliary Inlet, Add		263.71	
		For Special Duty 500 Lb. Carrier, Add		454.18	
22 42 13 13-0050	EA	Horizontal Adjustable, No-Hub, Single Water Closet Carrier		1,174.28	60.41
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct		-95.67	
		For Positioning Frame, Add		60.57	
		For Supply Pipe Support, Add		62.00	
		For Vandal Proof Trim, Add		81.42	
		For Auxiliary Inlet, Add		263.71	
		For Horizontal No Hub Cast Long Barrel, Add		273.97	
		For Carrier For Wide Chase Installations, Add		356.29	
		For Special Duty 1,000 Lb. Carrier, Add		454.19	
22 42 13 13-0051	EA	Vertical Adjustable On Stack, No-Hub, Single Water Closet Carrier		1,304.25	60.41
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct		-95.67	
		For Positioning Frame, Add		60.57	
		For Supply Pipe Support, Add		62.00	
		For Vandal Proof Trim, Add		81.42	
		For 4" Branch, Add		209.70	
		For Auxiliary Inlet, Add		263.71	
		For Carrier For Wide Chase Installations, Add		356.29	
		For Double 4" Branches, Add		420.81	
		For Special Duty 1,000 Lb. Carrier, Add		454.19	
22 42 13 13-0052	EA	Vertical Close With Offset, No-Hub, Double Water Closet (Back To Back) Carrier		1,791.39	88.67
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct		-191.37	
		For Positioning Frame, Add		129.73	
		For Supply Pipe Support, Add		132.59	
		For Vandal Proof Trim, Add		162.84	
		For Auxiliary Inlet, Add		280.88	
		For Special Duty 500 Lb. Carrier, Add		908.36	
22 42 13 13-0053	EA	Vertical Close On Stack, No-Hub, Double Water Closet (Back To Back) Carrier		1,842.82	88.67
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct		-191.37	
		For Positioning Frame, Add		129.73	
		For Supply Pipe Support, Add		132.59	
		For Vandal Proof Trim, Add		162.84	
		For Auxiliary Inlet, Add		280.88	
		For Special Duty 500 Lb. Carrier, Add		908.36	
22 42 13 13-0054	EA	Vertical Adjustable On Stack, No-Hub, Double Water Closet (Back To Back) Carrier		2,252.72	88.67
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct		-191.37	
		For Positioning Frame, Add		129.73	
		For Supply Pipe Support, Add		132.59	
		For Vandal Proof Trim, Add		162.84	
		For 4" Branch, Add		218.28	
		For Auxiliary Inlet, Add		280.88	
		For Double 4" Branches, Add		437.98	
		For Carrier For Wide Chase Installations, Add		764.07	
		For Special Duty 1,000 Lb. Carrier, Add		908.38	
22 42 13 13-0055	EA	Horizontal Adjustable, No-Hub, Double Water Closet (Back To Back) Carrier		2,118.46	88.67
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct		-191.37	
		For Positioning Frame, Add		129.73	
		For Supply Pipe Support, Add		132.59	
		For Vandal Proof Trim, Add		162.84	
		For Horizontal No Hub Cast Long Barrel, Add		282.55	
		For Carrier For Wide Chase Installations, Add		764.07	
		For Special Duty 1,000 Lb. Carrier, Add		908.38	

			Plumbing	22	22
			Plumbing Fixtures	22 40	
			Commercial Plumbing Fixtures	22 42	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 42 13 13-0056	Hub And Spigot, Water Closet Carriers (22 42 13 13-0044) Note: Includes coated cast iron construction, ABS extension with integral test cap, plated hardware and neoprene fixture gasket. Includes buttress feet or pylon feet and anchor foot.				
22 42 13 13-0057	EA	Vertical Close With Offset, Hub And Spigot, Single Water Closet Carrier	1,083.62		60.41
		For Positioning Frame, Add	60.57		
		For Supply Pipe Support, Add	62.00		
		For Vandal Proof Trim, Add	81.42		
		For Hanger Type Closet Adapter, Add	204.24		
		For Auxiliary Inlet, Add	263.71		
22 42 13 13-0058	EA	Vertical Close On Stack, Hub And Spigot, Single Water Closet Carrier	1,072.87		60.41
		For Positioning Frame, Add	60.57		
		For Supply Pipe Support, Add	62.00		
		For Vandal Proof Trim, Add	81.42		
		For Auxiliary Inlet, Add	263.71		
		For Special Duty 500 Lb. Carrier, Add	454.18		
22 42 13 13-0059	EA	Vertical Adjustable On Stack, Hub And Spigot, Single Water Closet Carrier	1,352.80		60.41
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-95.67		
		For Positioning Frame, Add	60.57		
		For Supply Pipe Support, Add	62.00		
		For Vandal Proof Trim, Add	81.42		
		For 4" Branch, Add	209.70		
		For Auxiliary Inlet, Add	263.71		
		For Carrier For Wide Chase Installations, Add	356.29		
		For Double 4" Branches, Add	420.81		
		For Special Duty 1,000 Lb. Carrier, Add	454.19		
22 42 13 13-0060	EA	Vertical Close With Offset, Hub And Spigot, Double Water Closet (Back To Back) Carrier	1,809.77		88.67
		For Positioning Frame, Add	129.73		
		For Supply Pipe Support, Add	132.59		
		For Vandal Proof Trim, Add	162.84		
		For Auxiliary Inlet, Add	280.88		
		For Hanger Type Closet Adapter, Add	408.48		
22 42 13 13-0061	EA	Vertical Adjustable On Stack, Hub And Spigot, Double Water Closet (Back To Back) Carrier	2,301.28		88.67
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-191.37		
		For Positioning Frame, Add	129.73		
		For Supply Pipe Support, Add	132.59		
		For Vandal Proof Trim, Add	162.84		
		For 4" Branch, Add	218.28		
		For Auxiliary Inlet, Add	280.88		
		For Double 4" Branches, Add	437.98		
		For Carrier For Wide Chase Installations, Add	764.07		
		For Special Duty 1,000 Lb. Carrier, Add	908.38		
22 42 13 13-0062	Floor Mount Polyvinyl Chloride (PVC) Adaptor Type, Water Closet Carriers (22 42 13 13-0044) Note: Includes coated cast iron construction, plastic fitting adaptor with extension and plated hardware.				
22 42 13 13-0063	EA	Vertical On Stack, Floor Mount Polyvinyl Chloride (PVC) Adaptor Type, Single Water Closet Carrier	822.92		60.41
		For Positioning Frame, Add	60.57		
		For Supply Pipe Support, Add	62.00		
		For Vandal Proof Trim, Add	81.42		
		For Hanger Type Closet Adapter, Add	204.24		
22 42 13 13-0064	Institutional Water Closet Carriers (22 42 13 13-0044) Note: Includes coated cast iron construction, ABS extension with integral test cap, buttress feet, plated hardware and neoprene fixture gasket.				
22 42 13 13-0065	EA	Vertical On Stack, No-Hub, 90 Degree Institutional, Double Waste Fitting With Vent And Carrier, Water Closet Carrier	2,964.00		88.67
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-191.37		
		For Positioning Frame, Add	129.73		
		For Supply Pipe Support, Add	132.59		
		For Vandal Proof Trim, Add	162.84		
		For Auxiliary Inlet, Add	280.88		
22 42 13 13-0066	Removal And Reinstallation Of Fixtures And Trim (22 42 13 13) Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.				
22 42 13 13-0067	EA	Removal And Reinstallation Of Wall Hung Water Closet With Tank	522.63		
22 42 13 13-0068	EA	Removal And Reinstallation Of Wall Hung Water Closet With Flush Valve	522.63		
22 42 13 13-0069	EA	Removal And Reinstallation Of Floor Mount Water Closet With Tank	401.85		
22 42 13 13-0070	EA	Removal And Reinstallation Of Floor Mount Water Closet With Flush Valve	401.85		
22 42 13 16	Commercial Urinals (22 42 13)				
22 42 13 16-0001	Vitreous China Urinals (22 42 13 16) Note: Excludes flush valve unless indicated otherwise.				
22 42 13 16-0002	Wall Hung Urinals (22 42 13 16-0001)				
22 42 13 16-0003	EA	Wall Hung Washout, Vitreous China Urinal (American Standard Maybrook™)	622.14		122.44
22 42 13 16-0004	EA	Wall Hung, Washout, Vitreous China Urinal With Top Spud (American Standard Washbrook®)	747.83		122.44
22 42 13 16-0005	EA	Wall Hung, Washout, Vitreous China Urinal With Back Spud (American Standard Washbrook®)	774.11		122.44
22 42 13 16-0006	EA	Wall Hung, Blowout, Vitreous China Urinal (American Standard Lynbrook™)	812.72		122.44
22 42 13 16-0007	EA	Wall Hung Siphon Jet, Vitreous China Urinal (American Standard Trimbrook™)	745.78		122.44
22 42 13 16-0008	EA	Wall Hung, Siphon Jet, Vitreous China Urinal (American Standard Allbrook™)	639.71		122.44
22 42 13 16-0009	EA	Wall Hung, Washout, Vitreous China Urinal (Toto® UT447E Or UT447EV)	764.24		122.44
22 42 13 16-0010	EA	Wall Hung, Washout, Vitreous China Urinal (Toto® UT104E Or UT104EV)	662.67		122.44
22 42 13 16-0011	EA	Wall Hung, Washout, Vitreous China Urinal (Zum Z5798)	712.03		122.44
22 42 13 16-0012	EA	Wall Hung, Washout, 0.125 To 0.5 GPF, HEU, Vitreous China Urinal (Sloan SU-1009-A)	655.41		122.44

22 Plumbing**22 40 Plumbing Fixtures****22 42 Commercial Plumbing Fixtures**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 42 13 16-0013 EA Wall Hung, Washout, 1.0 GPF, HEU, Vitreous China Urinal (Sloan SU-1006-A)653.26 122.44

22 42 13 16-0014 Floor Mounted Urinals (22 42 13 16-0001)
 22 42 13 16-0015 EA Washout, Floor Mounted, Vitreous China Urinal (American Standard Stallbrook™)1,017.75 154.46
 22 42 13 16-0016 EA Washout, Floor Mounted, Vitreous China Urinal (Kohler® Branham™)1,127.67 154.46
 22 42 13 16-0017 EA Floor Mounted Urinal Seam Cover For 21" Centers (Kohler® K-4931)315.02 28.61
 22 42 13 16-0018 EA Floor Mounted Urinal Seam Cover For 24" Centers (Kohler® K-4932)356.99 28.61
22 42 13 16-0019 Waterfree Urinals (22 42 13 16-0001)
 22 42 13 16-0020 EA Waterfree, Wall Hung, Vitreous China Urinal (American Standard Large FloWise® Flush-Free)663.78 85.82
 For >1, Deduct-43.06
 For Colored Fixtures, Add66.90
 22 42 13 16-0021 EA Waterfree, Wall Hung, Vitreous China Urinal (SLOAN WES-1000)1,262.62 85.82
 For >1, Deduct-111.33
 For Colored Fixtures, Add66.90
 22 42 13 16-0022 EA Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-2000)1,089.18 85.82
 For >1, Deduct-91.56
 For Colored Fixtures, Add66.90
 22 42 13 16-0023 EA Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-4000)838.26 85.82
 For >1, Deduct-62.95
 For Colored Fixtures, Add66.90
 22 42 13 16-0024 EA Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-5000)838.26 85.82
 For >1, Deduct-62.95
 For Colored Fixtures, Add66.90
 22 42 13 16-0025 EA Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-7000)1,035.60 85.82
 For >1, Deduct-85.45
 For Colored Fixtures, Add66.90
 22 42 13 16-0026 EA Waterfree, Wall Hung, Stainless Steel Urinal (Falcon F-9000)1,562.79 85.82
 For >1, Deduct-145.55
22 42 13 16-0027 Stainless Steel Urinals (22 42 13 16)
 22 42 13 16-0028 EA Wall Hung Urinal, Stainless Steel, Blowout Jet (Acorn 2160-T-1)2,987.26 257.45
 22 42 13 16-0029 EA 5' Wall Hung Trough Urinal, Stainless Steel With Strainer And Washdown Pipe (Elkay EU6014C)3,862.14 314.66
22 42 13 16-0030 Urinal Carriers (22 42 13 16)**22 42 13 16-0031 Floor Mounted, Urinal Carriers** (22 42 13 16-0030)

Note: Includes adjustable supporting rods, structural uprights and welded feet.

 22 42 13 16-0032 EA Floor Mounted Hanger Plate Type, Single Urinal Carrier605.40 43.48
 For Up To 4" Extension Sleeves And Hardware, Add29.99
 22 42 13 16-0033 EA Floor Mounted Bearing Plate Type, Single Urinal Carrier654.04 43.48
 For Up To 4" Extension Sleeves And Hardware, Add29.99
22 42 13 16-0034 Wall Mounted, Urinal Carriers (22 42 13 16-0030)

Note: Includes wall plate and adjustable supporting rods.

 22 42 13 16-0035 EA Wall Mounted Hanger Plate Type, Single Urinal Carrier261.27 43.48
 For Up To 6-1/2" Extension Sleeves And Hardware, Add29.99
22 42 13 16-0036 Removal And Reinstallation Of Fixtures And Trim (22 42 13 16)

Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.

22 42 13 16-0037 EA Removal And Reinstallation Of Wall Hung Urinal With Flush Valve521.25

22 42 16 Commercial Lavatories and Sinks (22 42)**22 42 16 13 Commercial Lavatories** (22 42 16)**22 42 16 13-0001 Lavatories** (22 42 16 13)

Note: Includes trap, drain and supply valves. Excludes faucets. See CSI section 22 42 39 00-0000 for faucets.

22 42 16 13-0002 Wall Hung Lavatories (22 42 16 13-0001)
 22 42 16 13-0003 EA 19" x 17" Porcelain Enameled Cast Iron Wall Hung Lavatory (American Standard Regalyn™)582.50 76.66
 22 42 16 13-0004 EA 20" x 18" Porcelain Enameled Cast Iron Wall Hung Lavatory (American Standard Regalyn™)609.30 76.66
 22 42 16 13-0005 EA 22" x 19" Porcelain Enameled Cast Iron Wall Hung Lavatory (Kohler® Hampton™)759.44 76.66
 22 42 16 13-0006 EA 18" x 16" Vitreous China Wall Hung Lavatory (American Standard Penlyn™)533.62 76.66
 22 42 16 13-0007 EA 19" x 17" Vitreous China Wall Hung Lavatory (American Standard Declyn™)458.73 76.66
 22 42 16 13-0008 EA 20" x 18" Vitreous China Wall Hung Lavatory (Kohler® Soho®)582.06 76.66
 22 42 16 13-0009 EA 27" x 20" Wheelchair Accessible, Vitreous China Wall Hung Lavatory (American Standard Wheel Chair Users)687.35 76.66
 22 42 16 13-0010 EA 20" x 18" Vitreous China Wall Hung Lavatory (American Standard Roxalyn™)546.23 76.66
 22 42 16 13-0011 EA 20" x 18" Vitreous China Wall Hung Lavatory (American Standard Lucerne™)480.80 76.66
22 42 16 13-0012 Countertop Lavatories (22 42 16 13-0001)
 22 42 16 13-0013 EA 20" x 18" Oval Vitreous China Countertop Lavatory (Kohler® Pennington®)555.24 92.68
 22 42 16 13-0014 EA 21" x 18" Vitreous China Countertop Lavatory (American Standard Cadet™ Oval)567.52 92.68
 22 42 16 13-0015 EA 19" x 16" Enameled Cast Iron Countertop Lavatory (Kohler® Farmington™)601.67 92.68
 22 42 16 13-0016 EA 19" x 16" Enameled Cast Iron Countertop Lavatory (Kohler® Ellington™)638.08 92.68
 22 42 16 13-0017 EA 24" x 18" Enameled Cast Iron Countertop Lavatory (Kohler® Thoreau®)839.94 100.12
22 42 16 13-0018 Undermount Lavatories (22 42 16 13-0001)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 16 13-0019	EA		15" x 12" Vitreous China Undermount Lavatory (American Standard Ovalyn™)	508.30	92.68
22 42 16 13-0020	EA		17" x 14" Vitreous China Undermount Lavatory (American Standard Ovalyn™)	483.65	92.68
22 42 16 13-0021	EA		19" x 16" Vitreous China Undermount Lavatory (American Standard Ovalyn™)	483.65	92.68
22 42 16 13-0022	EA		21" x 17" Vitreous China Undermount Lavatory (American Standard Ovalyn™)	513.70	92.68
22 42 16 13-0023	EA		15" x 12" Oval Vitreous China Undermount Lavatory (Kohler® Caxton®)	498.82	92.68
22 42 16 13-0024	EA		17" x 14" Oval Vitreous China Undermount Lavatory (Kohler® Caxton®)	494.27	92.68
22 42 16 13-0025	EA		19" x 15" Oval Vitreous China Undermount Lavatory (Kohler® Caxton®)	498.90	92.68
22 42 16 13-0026	EA		18" x 12" Rectangular Vitreous China Undermount Lavatory (Kohler® Ladena®)	600.96	92.68
22 42 16 13-0027	EA		21" x 14" Rectangular Vitreous China Undermount Lavatory (Kohler® Ladena®)	600.96	92.68
22 42 16 13-0028 Pedestal Lavatories (22 42 16 13-0001)					
22 42 16 13-0029	EA		19" x 24" x 35" High Vitreous China Pedestal Sink (American Standard Cadet™)	679.55	220.26
22 42 16 13-0030 Cultured Marble Vanity Tops (22 42 16 13-0001)					
Note: Includes predrilled holes for faucet.					
22 42 16 13-0031	EA		25" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink	365.85	85.82
22 42 16 13-0032	EA		31" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink	415.19	91.53
22 42 16 13-0033	EA		37" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink	502.94	97.25
22 42 16 13-0034	EA		49" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink	692.97	102.98
22 42 16 13-0035	EA		25" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink	393.77	85.82
22 42 16 13-0036	EA		31" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink	423.05	91.53
22 42 16 13-0037	EA		37" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink	549.38	97.25
22 42 16 13-0038	EA		43" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink	599.83	100.12
22 42 16 13-0039	EA		49" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink	673.32	102.98
22 42 16 13-0040 Quartz Vanity Tops (22 42 16 13-0001)					
Note: Includes predrilled holes for faucet.					
22 42 16 13-0041	EA		25" x 22" Quartz Vanity Top With Integrated Backsplash And Sink	803.71	85.82
22 42 16 13-0042	EA		31" x 22" Quartz Vanity Top With Integrated Backsplash And Sink	839.66	91.53
22 42 16 13-0043	EA		37" x 22" Quartz Vanity Top With Integrated Backsplash And Sink	967.71	97.25
22 42 16 13-0044	EA		43" x 22" Quartz Vanity Top With Integrated Backsplash And Sink	975.11	100.12
22 42 16 13-0045	EA		49" x 22" Quartz Vanity Top With Integrated Backsplash And Sink	1,065.56	102.98
22 42 16 13-0046	EA		61" x 22" Quartz Vanity Top With Integrated Backsplash And Two Sinks	1,431.58	108.70
22 42 16 13-0047	EA		73" x 22" Quartz Vanity Top With Integrated Backsplash And Two Sinks	1,692.65	114.40
22 42 16 13-0048	EA		22" End Splash For Quartz Vanity Tops	46.97	
22 42 16 13-0049 Solid Surface Vanity Tops (22 42 16 13-0001)					
Note: Includes predrilled holes for faucet.					
22 42 16 13-0050	EA		25" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	671.64	85.82
22 42 16 13-0051	EA		31" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	756.46	91.53
22 42 16 13-0052	EA		37" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	852.58	97.25
22 42 16 13-0053	EA		43" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	940.16	100.12
22 42 16 13-0054	EA		49" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	1,020.26	102.98
22 42 16 13-0055	EA		55" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	1,125.73	105.84
22 42 16 13-0056	EA		61" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	1,255.08	108.70
22 42 16 13-0057	EA		61" x 22" Solid Surface Vanity Top With Integrated Backsplash And Two Sinks	1,287.16	108.70
22 42 16 13-0058	EA		73" x 22" Solid Surface Vanity Top With Integrated Backsplash And Two Sinks	1,390.81	114.40
22 42 16 13-0059	EA		22" End Splash For Solid Surface Vanity Tops	69.48	
22 42 16 13-0060 Solid Surface Multi-Station Lavatory Systems (22 42 16 13-0001)					
Note: ADA compliant. Includes integral faucets.					
22 42 16 13-0061	EA		2 Station, Solid Surface Multi-Station Lavatory System With Integral Sprayheads And Infrared Controls (Bradley MG-2)	6,997.32	158.36
For Integral Liquid Soap Dispenser, Add				171.00	
For Integral Photovoltaic Power Panels, Add				563.00	
22 42 16 13-0062	EA		3 Station, Solid Surface Multi-Station Lavatory System With Integral Sprayheads And Infrared Controls (Bradley MG-3)	10,276.43	158.36
For Integral Photovoltaic Power Panels, Add				657.00	
For Integral Liquid Soap Dispenser, Add				171.00	
22 42 16 13-0063	EA		12" Length, Solid Surface Countertop Extension (Bradley MG-EXT-12)	467.35	52.79
22 42 16 13-0064	EA		18" Length, Solid Surface Countertop Extension (Bradley MG-EXT-18)	581.73	52.79
22 42 16 13-0065	EA		36" Length, Solid Surface Countertop Extension (Bradley MG-EXT-36)	1,164.30	52.79
22 42 16 13-0066 Stainless Steel Lavatories (22 42 16 13-0001)					
22 42 16 13-0067	EA		18" x 15" Wall Mounted Lavatory, Stainless Steel (Acorn 1950-1)	1,554.12	200.24
22 42 16 13-0068 Lavatory Carriers (22 42 16 13)					
22 42 16 13-0069 Floor Mounted, Lavatory Carriers (22 42 16 13-0068)					
22 42 16 13-0070 Floor Mounted Plate Type, Lavatory Carriers (22 42 16 13-0069)					
Note: Includes adjustable supporting rods, structural uprights and welded feet.					
22 42 16 13-0071	EA		Floor Mounted Hanger Plate Type, Single Lavatory Carrier	605.40	43.48
For Up To 4" Extension Sleeves And Hardware, Add				29.99	
For Valve Plate For Attaching To Upright, Add				104.67	
For Corner Carrier, Add				203.65	
22 42 16 13-0072	EA		Floor Mounted Bearing Plate Type, Single Lavatory Carrier	654.04	43.48
For Up To 4" Extension Sleeves And Hardware, Add				29.99	
For Valve Plate For Attaching To Upright, Add				104.67	

22 Plumbing**22 40 Plumbing Fixtures****22 42 Commercial Plumbing Fixtures**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
22 42 16 13-0073	EA Floor Mounted Hanger Plate Type, Double Lavatory (Back To Back) Carrier..... <i>For Up To 4" Extension Sleeves And Hardware, Add</i> <i>For Valve Plate For Attaching To Upright, Add</i>	749.73 59.98 209.35		43.48	
22 42 16 13-0074	EA Floor Mounted Bearing Plate Type, Double Lavatory (Back To Back) Carrier..... <i>For Up To 4" Extension Sleeves And Hardware, Add</i> <i>For Valve Plate For Attaching To Upright, Add</i>	859.71 59.98 209.35		43.48	
22 42 16 13-0075	Floor Mounted, Lavatory Carriers With Arms (22 42 16 13-0069) Note: Includes leveling and securing screws, structural uprights and welded feet.				
22 42 16 13-0076	EA Floor Mounted, Single Lavatory Carrier With Concealed Arms..... <i>For Up To 6-1/2" Extension Sleeves And Hardware, Add</i> <i>For Concealed Arm Carrier For Wheelchair Lavatory, Add</i> <i>For Valve Plate For Attaching To Upright, Add</i> <i>For 2" Chrome Plated Escutcheons, Add</i> <i>For 4" Or 6" Chrome Plated Escutcheons, Add</i>	780.06 29.99 41.43 106.96 101.40 184.24		51.49	
22 42 16 13-0077	EA Floor Mounted, Single Lavatory Carrier With Exposed Acid Resistant White Coated Arms..... <i>For Up To 4-1/2" Extension Sleeves And Hardware, Add</i> <i>For Vandal Proof Trim, Add</i> <i>For Valve Plate For Attaching To Upright, Add</i> <i>For Heavy-Duty Carrier, Add</i>	1,035.41 29.99 81.42 106.96 104.26		51.49	
22 42 16 13-0078	EA Floor Mounted, Double Lavatory (Back To Back) Carrier With Concealed Arms..... <i>For Up To 6-1/2" Extension Sleeves And Hardware, Add</i> <i>For Concealed Arm Carrier For Wheelchair Lavatory, Add</i> <i>For Valve Plate For Attaching To Upright, Add</i> <i>For 2" Chrome Plated Escutcheons, Add</i> <i>For 4" Or 6" Chrome Plated Escutcheons, Add</i>	1,044.58 59.98 82.85 213.92 202.81 368.49		51.49	
22 42 16 13-0079	EA Floor Mounted, Double Lavatory (Back To Back) Carrier With Exposed Acid Resistant White Coated Arms..... <i>For Up To 4-1/2" Extension Sleeves And Hardware, Add</i> <i>For Vandal Proof Trim, Add</i> <i>For Valve Plate For Attaching To Upright, Add</i> <i>For Heavy-Duty Carrier, Add</i>	1,536.73 59.98 162.84 213.92 208.51		51.49	
22 42 16 13-0080	Wall Mounted, Lavatory Carriers (22 42 16 13-0068)				
22 42 16 13-0081	Wall Mounted Plate Type, Lavatory Carriers (22 42 16 13-0080) Note: Includes wall plate and adjustable supporting rods.				
22 42 16 13-0082	EA Wall Mounted Hanger Plate Type, Single Lavatory Carrier..... <i>For Double Plate Carrier, Add</i>	261.27 79.89		43.48	
22 42 16 13-0083	Wall Mounted Plate Type, Lavatory Carriers With Arms (22 42 16 13-0080) Note: Includes wall plate and leveling and securing screws.				
22 42 16 13-0084	EA Wall Mounted Fixed Steel Plate Type, Single Lavatory Carrier With Concealed Arms..... <i>For Up To 4" Extension Sleeves And Hardware, Add</i> <i>For 2" Chrome Plated Escutcheons, Add</i>	439.84 29.99 101.40		51.49	
22 42 16 13-0085	EA Wall Mounted Adjustable Plate Type, Single Lavatory Carrier With Concealed Arms..... <i>For Movable Mounting Brackets, Deduct</i> <i>For Up To 4" Extension Sleeves And Hardware, Add</i> <i>For 2" Chrome Plated Escutcheons, Add</i> <i>For 4" Or 6" Chrome Plated Escutcheons, Add</i>	519.82 -77.13 29.99 101.40 184.24		51.49	
22 42 16 13-0086	EA Wall Mounted Adjustable Plate Type, Single Lavatory Carrier With Exposed Acid Resistant White Coated Arms..... <i>For Up To 4-1/2" Extension Sleeves And Hardware, Add</i> <i>For Vandal Proof Trim, Add</i>	766.91 29.99 81.42		51.49	
22 42 16 13-0087	Removal And Reinstallation Of Lavatory And Trim (22 42 16 13) Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.				
22 42 16 13-0088	EA Removal And Reinstallation Of Wall Hung Lavatory With Faucet.....	336.54			
22 42 16 16	Commercial Sinks (22 42 16)				
22 42 16 16-0001	Sinks (22 42 16 16) Note: Includes drain, trap and supply valves. Excludes faucets. See CSI section 22 42 39 00-0000 for faucets.				
22 42 16 16-0002	Kitchen Sinks (22 42 16 16-0001)				
22 42 16 16-0003	EA 25" x 22" x 8-3/4" Enameled Cast Iron Kitchen Sink, Single Bowl (Kohler® Mayfield®).....	726.52		107.55	
22 42 16 16-0004	EA 22" x 33" x 9-5/8" Enameled Cast Iron Kitchen Sink, Double Bowl (Kohler® Brookfield®).....	940.92		122.44	
22 42 16 16-0005	EA 15" x 17" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR1517)..... <i>For 18 Gauge, Add</i>	919.95 245.44		105.27	
22 42 16 16-0006	EA 17" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR1722)..... <i>For 18 Gauge, Add</i>	943.77 257.35		105.27	
22 42 16 16-0007	EA 22" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR2222)..... <i>For 18 Gauge, Add</i>	997.37 284.15		105.27	
22 42 16 16-0008	EA 25" x 22" x 7-1/2" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR2522)..... <i>For 18 Gauge, Add</i>	1,046.82 302.01		107.55	
22 42 16 16-0009	EA 31" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR3122)..... <i>For 18 Gauge, Add</i>	1,324.75 419.14		122.44	
22 42 16 16-0010	EA 33" x 21" x 7-1/2" Stainless Steel Kitchen Sink, Double Bowl, 20 Gauge (Elkay PSR3321)..... <i>For 18 Gauge, Add</i>	1,353.52 433.31		122.44	
22 42 16 16-0011	EA 15" x 17" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR151710).....	1,306.06		105.27	
22 42 16 16-0012	EA 17" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR172210).....	1,332.86		105.27	
22 42 16 16-0013	EA 22" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR222210).....	1,400.35		105.27	
22 42 16 16-0014	EA 25" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR252210).....	1,492.48		107.55	
22 42 16 16-0015	EA 31" x 22" x 11-1/2" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR312210).....	1,810.11		122.44	
22 42 16 16-0016	EA 33" x 22" x 8" Stainless Steel Kitchen Sink, Double Bowl, 18 Gauge (Elkay LR3322).....	1,733.67		122.44	

		Plumbing	22	22
		Plumbing Fixtures	22 40	
		Commercial Plumbing Fixtures	22 42	
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
		UNIT COST	UNIT COST	

22 42 16 16-0017		Undermount Kitchen Sinks (22 42 16 16-0001)		
22 42 16 16-0018	EA	21" x 15" x 7-1/2" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELU2115) With Strainer (Elkay LK99).....	1,163.05	105.27
22 42 16 16-0019	EA	21" x 15" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELU211510) With Strainer (Elkay LK99).....	1,160.15	105.27
22 42 16 16-0020	EA	21" x 15" x 7-1/2" Stainless Steel Kitchen Sink With Cutting Board, Single Bowl, 18 Gauge (Elkay ELUH2115) With Strainer (Elkay LK99).....	1,172.97	105.27
22 42 16 16-0021	EA	21" x 15" x 10" Stainless Steel Kitchen Sink With Cutting Board, Single Bowl, 18 Gauge (Elkay ELUH211510) With Strainer (Elkay LK99).....	1,240.47	105.27
22 42 16 16-0022	EA	21" x 15-3/4" x 4-3/8" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELUHAD2115) With Strainer (Elkay LK99).....	1,197.79	105.27
		Note: Available in 4-1/2", 5, or 5-1/2" depths.		
22 42 16 16-0023	EA	25" x 20-1/2" x 7-7/8" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELUHF2520) With Strainer (Elkay LK99).....	1,370.78	105.27
22 42 16 16-0024	EA	32" x 20-1/2" x 7-7/8" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELUHF3320) With Strainer (Elkay LK99).....	1,629.41	105.27
22 42 16 16-0025	EA	21" x 18" x 5-1/2" Deep, Single Compartment Stainless Steel Sink, Undermount, 18 Gauge (Just Manufacturing Co. US-ADA-1821-A).....	947.97	105.27
22 42 16 16-0026	EA	32" x 18" x 5-1/2" Deep, Two Compartment Stainless Steel Sink, Undermount, 18 Gauge (Just Manufacturing Co. UD-ADA-1832-A).....	1,238.38	105.27
22 42 16 16-0027		Multi-Station Wash Sink, Wall Mounted (22 42 16 16-0001)		
		Note: Includes concealed wall hanger, soap dish(s), strainer, supply lines and P-Trap. Excludes faucets.		
22 42 16 16-0028	EA	36" Wide, 2 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™).....	1,955.04	185.94
		Note: Excludes faucets.		
22 42 16 16-0029	EA	48" Wide, 2 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™).....	2,583.22	200.24
		Note: Excludes faucets.		
22 42 16 16-0030	EA	60" Wide, 3 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™).....	2,960.46	214.54
		Note: Excludes faucets.		
22 42 16 16-0031	EA	48" Wide, 2 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951).....	2,422.12	143.03
		Note: Excludes faucets.		
22 42 16 16-0032	EA	62" Wide, 3 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951).....	2,691.77	157.33
		Note: Excludes faucets.		
22 42 16 16-0033	EA	80" Wide, 4 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951).....	2,956.08	171.63
		Note: Excludes faucets.		
22 42 16 16-0034	EA	102" Wide, 5 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951).....	3,283.68	193.09
		Note: Excludes faucets.		
22 42 16 16-0035	EA	27" Diameter, 2 Person, Stainless Steel, Sensor Operated Compact Wash Fountain.....	3,184.68	314.66
		Note: Includes sensor operated spray heads.		
22 42 16 16-0036		Utility Or Laundry Sinks (22 42 16 16-0001)		
22 42 16 16-0037	EA	23" x 21" Molded Stone Single Laundry Sink, Floor Mounted With Enamel Steel Legs (Fiat Products FL-1).....	671.34	122.44
22 42 16 16-0038	EA	40" x 24" Molded Stone Double Laundry Sink, Floor Mounted With Enamel Steel Legs (Fiat Products FLTD-II).....	769.02	122.44
22 42 16 16-0039	EA	22" x 17" Molded Stone Single Laundry Sink, Drop-In (Fiat Products DL1).....	669.36	122.44
22 42 16 16-0040	EA	24" x 21" Enameled Cast Iron Single Laundry Sink, Floor Mounted With Metal Stand (Eljer 222-2210).....	1,014.58	122.44
22 42 16 16-0041	EA	48" x 21" Enameled Cast Iron Double Laundry Sink, Floor Mounted With Metal Stand (Eljer 222-2220).....	1,434.10	137.31
22 42 16 16-0042		Refinish Sink/Lavatory (22 42 16 16-0001)		
22 42 16 16-0043	EA	Refinish Sink/Lavatory.....	258.02	
22 42 16 16-0044		Service Sinks (22 42 16 16-0001)		
22 42 16 16-0045	EA	22" x 18" Enameled Cast Iron Wall Mount Service Sink With Stainless Steel Rim Guard, Trap Standard (American Standard Lakewell™).....	1,107.96	184.22
22 42 16 16-0046	EA	24" x 20" Enameled Cast Iron Wall Mount Service Sink With Stainless Steel Rim Guard, Trap Standard (American Standard Akron™).....	1,161.24	184.22
22 42 16 16-0047	EA	28" x 28" Enameled Cast Iron Floor Type Corner Service Sink With Removable Vinyl Coated Rim Guard (American Standard Florwell™).....	1,385.41	243.71
22 42 16 16-0048	EA	12" x 12" x 10" Cast Iron Floor Sink With Dome Strainer And Full Grate (Zurn FD2377-PO3-F).....	569.35	171.63
22 42 16 16-0049	EA	24" x 24" x 10" Plastic Composite Mop Service Sink With Combination Dome Strainer And Stainless Steel Lint Basket (Fiat Products MSB2424).....	654.40	171.63
22 42 16 16-0050	EA	36" x 24" x 10" Plastic Composite Mop Service Sink With Combination Dome Strainer And Stainless Steel Lint Basket (Fiat Products MSB3624).....	727.83	205.95
22 42 16 16-0051	EA	24" x 24" x 10" Molded Stone Mop Service Sink With Strainer (Swanstone MS-2424-010).....	602.05	171.63
22 42 16 16-0052	EA	36" x 24" x 10" Molded Stone Mop Service Sink With Strainer (Swanstone MS-2436-010).....	688.61	205.95
22 42 16 16-0053	EA	24" x 24" x 12" Terrazzo Mop Service Sink With Strainer (Acorn TSH-24).....	1,024.28	171.63
22 42 16 16-0054	EA	36" x 24" x 12" Terrazzo Mop Service Sink With Strainer (Acorn TSH-3624).....	1,264.45	205.95
22 42 16 16-0055		Stainless Steel Sink And Drainboard (22 42 16 16-0001)		
22 42 16 16-0056	EA	Stainless Steel Sink With One 24" x 24" x 14" Depth Compartment And Drain Board, 14 Gauge Stainless Steel With Tubular Adjustable Legs (Advance Tabco 94-41-24-24L).....	4,432.37	286.05
22 42 16 16-0057		Soapstone Sinks (22 42 16 16-0001)		
22 42 16 16-0058	EA	26-1/2" x 18-1/2" x 7-3/4" Single Bowl Soapstone Sink.....	1,115.67	105.27
22 42 16 16-0059	SF	Soapstone Sink Backsplash.....	174.92	
22 42 16 16-0060	EA	30" x 18-1/2" x 10" Single Bowl Soapstone Sink.....	1,416.66	122.44
22 42 16 16-0061	EA	36" x 18-1/2" x 10" Double Bowl Soapstone Sink.....	1,651.02	122.44
22 42 16 16-0062		Sink Carriers (22 42 16 16)		

22 Plumbing**22 40 Plumbing Fixtures****22 42 Commercial Plumbing Fixtures**
 MINOR
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 UNIT COST UNIT COST

22 42 16 16-0063		Floor Mounted, Sink Carriers (22 42 16 16-0062) Note: With support plates, adjustable coupling with 4" piping connection, mounting studs, structural uprights, welded feet and chrome plated trim.		
22 42 16 16-0064	EA	Floor Mounted Heavy-Duty Support Plate Type, Single Sink Carrier With 4" Adjustable Coupling..... <i>For Vandal Proof Trim, Add</i> <i>For Valve Plate For Attaching To Upright, Add</i>	887.27 81.42 104.67	43.48
22 42 16 16-0065	EA	Floor Mounted Heavy-Duty Support Plate Type, Single Sink Carrier With 4" Adjustable Coupling And 4" x 2" Waste Fitting..... <i>For Vandal Proof Trim, Add</i> <i>For Auxiliary Vent, Add</i>	1,368.16 81.42 240.37	43.48
22 42 16 16-0066	EA	Floor Mounted Heavy-Duty Support Plate Type, Single Sink Carrier With Exposed Acid Resistant White Coated Arms..... <i>For Up To 4" Extension Sleeves And Hardware, Add</i> <i>For Vandal Proof Trim, Add</i>	1,716.67 61.41 81.42	43.48

22 42 16 16-0067		Removal And Reinstallation Of Sink And Trim (22 42 16 16) Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 16 16-0068	EA	Removal And Reinstallation Of Wall Hung Service Sink With Faucet.....	461.38	

22 42 19 Commercial Bathtubs (22 42)

22 42 19 00-0001		Recessed Alcove Bathtubs (22 42 19)		
22 42 19 00-0002		Porcelain Enameled Cast Iron, Recessed Alcove Bathtubs (22 42 19 00-0001)		
22 42 19 00-0003	EA	54" x 30-1/4" x 14", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Seaforth™).....	1,532.31	318.09
22 42 19 00-0004	EA	60" x 32" x 16-1/4", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Mendota®).....	1,322.51	318.09
22 42 19 00-0005	EA	60" x 32" x 16-1/4", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Dynametric®).....	1,537.58	318.09
22 42 19 00-0006	EA	66" x 32" x 17", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Bellwether®).....	1,959.53	318.09
22 42 19 00-0007		Porcelain Enameled Steel, Recessed Alcove Bathtubs (22 42 19 00-0001)		
22 42 19 00-0008	EA	60" x 30" x 14-1/4", Porcelain Enameled Steel, Recessed Alcove Bathtub (American Standard New Salem®).....	716.41	318.09
22 42 19 00-0009	EA	60" x 30" x 16-5/8", Porcelain Enameled Steel, Recessed Alcove Bathtub (American Standard New Solar®).....	731.43	318.09
22 42 19 00-0010		Porcelain Finished Metal Alloy, Recessed Alcove Bathtubs (22 42 19 00-0001)		
22 42 19 00-0011	EA	60" x 32" x 17-3/4", Porcelain Finished Metal Alloy, Recessed Alcove Bathtub (American Standard Cambridge™).....	1,027.20	318.09
22 42 19 00-0012		Acrylic, Recessed Alcove Bathtubs (22 42 19 00-0001)		
22 42 19 00-0013	EA	60" x 32" x 19", Acrylic, Recessed Alcove Bathtub (Kohler® Archer®).....	1,082.70	318.09
22 42 19 00-0014	EA	60" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®).....	1,237.25	318.09
22 42 19 00-0015	EA	66" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®).....	1,260.71	318.09
22 42 19 00-0016	EA	72" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®).....	1,246.29	318.09
22 42 19 00-0017	EA	72" x 42" x 21", Acrylic, Recessed Alcove Bathtub (Kohler® Windward®).....	1,298.16	318.09
22 42 19 00-0018		Bathtub Refinishing (22 42 19 00-0001)		
22 42 19 00-0019	EA	Refinish Porcelain Finished Bathtub With Acrylic Urethane Enamel.....	669.02	
22 42 19 00-0020		Tub And Shower Combinations (22 42 19)		
22 42 19 00-0021		Acrylic Tub And Shower Combination (22 42 19 00-0020)		
22 42 19 00-0022	EA	1 Piece, 60" x 32" x 72" Acrylic Tub And Shower (Delta 226032)..... <i>For 2 Piece Enclosure, Deduct</i>	1,323.68 -287.61	114.02
22 42 19 00-0023		Fiberglass Tub And Shower Combination (22 42 19 00-0020)		
22 42 19 00-0024	EA	1 Piece 60" x 32" x 72" Fiberglass Tub And Shower (Aquatic 2603-SG).....	870.84	114.02
22 42 19 00-0025	EA	2 Piece 60" x 30" x 72" Fiberglass Tub And Shower (Aquatic 2603-2P).....	685.30	76.01
22 42 19 00-0026	EA	4 Piece 60" x 32" x 75-1/2" Fiberglass Tub And Shower (Aquatic 26030-4P).....	1,376.22	172.09
22 42 19 00-0027	EA	3 Piece Tub/Shower Surrounds, 32" x 72" Side Walls, 48" x 72" Back, (Swanstone SK-324872)..... <i>For 2 Piece Enclosure, Deduct</i>	3,646.89 -759.96	403.69

22 42 23 Commercial Showers (22 42)

22 42 23 00-0001		Shower Enclosures (22 42 23) Note: Includes precast concrete receptors. Excludes plumbing hook-up and door or curtain.		
22 42 23 00-0002		Powder Coated Or Baked Enamel Steel Shower Enclosure (22 42 23 00-0001)		
22 42 23 00-0003	EA	32" x 32" x 82" Baked Enamel Steel Shower Enclosure (General Partitions).....	1,797.22	184.55
22 42 23 00-0004	EA	36" x 36" x 82" Baked Enamel Steel Shower Enclosure (General Partitions).....	1,797.22	184.55
22 42 23 00-0005	EA	40" x 40" x 82" Baked Enamel Steel Shower Enclosure (General Partitions).....	2,711.22	184.55
22 42 23 00-0006	EA	40" x 48" x 82" Handicapped, Baked Enamel Steel Shower Enclosure (General Partitions).....	2,982.56	184.55
22 42 23 00-0007		Solid Plastic Core High-Density Polymer (HDP) Shower Enclosure (22 42 23 00-0001)		
22 42 23 00-0008	EA	32" x 32" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions).....	2,954.00	184.55
22 42 23 00-0009	EA	36" x 36" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions).....	2,954.00	184.55
22 42 23 00-0010	EA	40" x 40" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions).....	4,239.31	184.55
22 42 23 00-0011	EA	40" x 48" x 82" Handicapped, Solid Plastic Shower Enclosure (General Partitions).....	4,739.15	184.55

22 42 23 00-0012 Shower Wall Panels And Accessories (22 42 23 00-0001)				
22 42 23 00-0013	EA	36" Wide x 96" High Solid Plastic Shower Wall Panel; Swanstone SS-3696.....	986.52	85.82
22 42 23 00-0014	EA	48" Wide x 96" High Solid Plastic Shower Wall Panel; Swanstone SS-4896-1	1,359.49	114.42
22 42 23 00-0015	EA	Corner Soap Dish; Swanstone SS7211	229.28	14.30
22 42 23 00-0016	LF	10" Wide Window Trim With 1-1/2" Lip (Swanstone SSWTK-1)	137.20	4.29
22 42 23 00-0017	EA	24" x 48" L-Shaped Stainless Steel Grab Bar; Swanstone BF-2448	442.13	25.66
		<i>For Peened Grip, Add</i>	35.17	
22 42 23 00-0018	EA	Folding Shower Seat, White; Swanstone BF-2300.....	1,234.79	51.34
22 42 23 00-0019	EA	Window Trim Kit For Shower; Swanstone SSWTK-1.....	629.14	57.21
		Note: Up to 36" wide and 10" deep.		
22 42 23 00-0020	EA	Installation Kit; Swanstone SS29000.....	125.05	
		Note: Up to 36" wide and 10" deep.		
22 42 23 00-0021	EA	Installation Kit; Swanstone SS72000.....	58.66	
		Note: Up to 36" wide and 10" deep.		
22 42 23 00-0022	EA	Wall Panel Trim Kit; Swanstone TK-6072.....	653.71	37.28
		Note: Kit includes four 3-7/8" x 74" trim strips and two 1-1/4" x 1/2" x 72" corner moldings, and one tube of adhesive and one tube of caulk.		
22 42 23 00-0023	EA	Wall Panel Trim Kit; Swanstone TK-105.....	775.06	37.28
		Note: Kit includes two 3-7/8" x 105" trim strips and two 3-7/8" x 74" trim strips, and two 1-1/4" x 1/2" x 96" corner moldings.		
22 42 23 00-0024	EA	Wall Panel Trim Kit; Swanstone TK-105-TP	379.42	12.43
		Note: Kit includes one 3-7/8" x 105" trim strip.		
22 42 23 00-0025	EA	1/2" D x 1-1/4" W x 72" H Wall Panel Corner Molding; Swanstone CM-2072.....	117.36	15.53
		Note: Set of 2.		
22 42 23 00-0026	EA	1/2" D x 1-1/4" W x 96" H Wall Panel Corner Molding; Swanstone CM-2096	130.17	15.53
		Note: Set of 2.		
22 42 23 00-0027	EA	1/4" D x 3-3/4" W x 72" H Batten Strip; Swanstone TK-0372.....	140.57	12.43
22 42 23 00-0028	EA	30" x 60" Barrier Free Shower Floor; Swanstone SBF-3060	1,890.98	55.92
22 42 23 00-0029	EA	34" x 42" Shower Floor; Swanstone SS-3442.....	854.48	46.60
22 42 23 00-0030 Composite Fiberglass Shower Enclosure, 4 Piece Knock-Down (22 42 23 00-0001)				
22 42 23 00-0031	EA	32" x 32" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 3232CS)	1,506.04	184.55
22 42 23 00-0032	EA	36" x 36" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 3636CS)	1,548.22	184.55
22 42 23 00-0033	EA	34" x 48" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 4834CS)	1,590.41	184.55
22 42 23 00-0034	EA	30" x 60" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 6030CSL)	1,674.78	184.55
22 42 23 00-0035	EA	34" x 60" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 6034CS)	1,786.58	184.55
22 42 23 00-0036 1 Piece Shower Units (22 42 23)				
22 42 23 00-0037	EA	1 Piece, 32" x 32" x 73" Fiberglass Shower With Drain (Swanstone FS03232).....	1,279.58	114.02
22 42 23 00-0038	EA	1 Piece, 36" x 36" x 73" Fiberglass Shower With Drain (Swanstone FS03636).....	1,434.48	114.02
22 42 23 00-0039 Personnel Type Shower Receptors (22 42 23)				
22 42 23 00-0040 Acrylic Shower Receptors (22 42 23 00-0039)				
22 42 23 00-0041	EA	36" x 36" Acrylic Shower Receptor	471.97	46.60
22 42 23 00-0042	EA	42" x 42" Acrylic Shower Receptor	498.38	46.60
22 42 23 00-0043	EA	48" x 48" Acrylic Shower Receptor	551.11	46.60
22 42 23 00-0044	EA	60" x 60" Acrylic Shower Receptor	670.09	55.92
22 42 23 00-0045	EA	48" x 32" Acrylic Shower Receptor	473.21	46.60
22 42 23 00-0046	EA	48" x 36" Acrylic Shower Receptor	507.94	46.60
22 42 23 00-0047	EA	48" x 42" Acrylic Shower Receptor	572.55	46.60
22 42 23 00-0048	EA	60" x 30" Acrylic Shower Receptor	923.82	125.40
22 42 23 00-0049	EA	60" x 32" Acrylic Shower Receptor	637.22	55.92
22 42 23 00-0050	EA	60" x 36" Acrylic Shower Receptor	641.69	55.92
22 42 23 00-0051	EA	60" x 42" Acrylic Shower Receptor	645.79	55.92
22 42 23 00-0052	EA	60" x 48" Acrylic Shower Receptor	709.99	55.92
22 42 23 00-0053	EA	36" x 36" Acrylic Corner Shower Receptor	683.64	46.60
22 42 23 00-0054	EA	42" x 42" Acrylic Corner Shower Receptor	783.31	46.60
22 42 23 00-0055	EA	47-1/2" x 47-1/2" Acrylic Corner Shower Receptor	1,264.99	119.13
22 42 23 00-0056 Molded Stone Shower Receptors (22 42 23 00-0039)				
22 42 23 00-0057	EA	32" x 32" Molded Stone Shower Receptor (Fiat 32WL)	318.41	46.60
22 42 23 00-0058	EA	34" x 34" Molded Stone Shower Receptor (Fiat 34WL)	333.31	46.60
22 42 23 00-0059	EA	36" x 36" Molded Stone Shower Receptor (Fiat 36WL)	334.97	46.60
22 42 23 00-0060	EA	42" x 42" Molded Stone Shower Receptor (Fiat 4242WL)	408.64	46.60
22 42 23 00-0061	EA	42" x 34" Molded Stone Shower Receptor (Fiat 42WL)	363.94	46.60
22 42 23 00-0062	EA	48" x 32" Molded Stone Shower Receptor (Fiat 4832WL)	384.64	46.60
22 42 23 00-0063	EA	48" x 34" Molded Stone Shower Receptor (Fiat 48WL)	387.12	46.60
22 42 23 00-0064	EA	54" x 34" Molded Stone Shower Receptor (Fiat 54WL)	448.81	55.92
22 42 23 00-0065	EA	60" x 34" Molded Stone Shower Receptor (Fiat 60WL)	464.54	55.92
22 42 23 00-0066	EA	36" x 36" Molded Stone Corner Shower Receptor (Fiat 36WLC).....	368.08	46.60
22 42 23 00-0067	EA	38" x 38" Molded Stone Corner Shower Receptor (Fiat 38WLC).....	377.19	46.60
22 42 23 00-0068 Precast Terrazzo Shower Receptors (22 42 23 00-0039)				
22 42 23 00-0069	EA	30" x 30" Precast Terrazzo Shower Receptor.....	588.28	46.60
22 42 23 00-0070	EA	32" x 32" Precast Terrazzo Shower Receptor.....	610.63	46.60
22 42 23 00-0071	EA	34" x 34" Precast Terrazzo Shower Receptor.....	631.33	46.60
22 42 23 00-0072	EA	36" x 36" Precast Terrazzo Shower Receptor.....	633.81	46.60

22 Plumbing**22 40 Plumbing Fixtures****22 42 Commercial Plumbing Fixtures**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 42 23 00-0073	EA	40" x 40" Precast Terrazzo Shower Receptor.....	692.59	46.60
22 42 23 00-0074	EA	42" x 42" Precast Terrazzo Shower Receptor.....	722.39	46.60
22 42 23 00-0075	EA	48" x 48" Precast Terrazzo Shower Receptor.....	1,010.47	46.60
22 42 23 00-0076	EA	36" x 32" Precast Terrazzo Shower Receptor.....	626.36	46.60
22 42 23 00-0077	EA	42" x 32" Precast Terrazzo Shower Receptor.....	638.23	46.60
22 42 23 00-0078	EA	42" x 34" Precast Terrazzo Shower Receptor.....	659.47	46.60
22 42 23 00-0079	EA	42" x 36" Precast Terrazzo Shower Receptor.....	685.96	46.60
22 42 23 00-0080	EA	32" x 48" Precast Terrazzo Shower Receptor.....	688.45	46.60
22 42 23 00-0081	EA	48" x 34" Precast Terrazzo Shower Receptor.....	722.39	46.60
22 42 23 00-0082	EA	54" x 32" Precast Terrazzo Shower Receptor.....	756.33	46.60
22 42 23 00-0083	EA	60" x 30" Precast Terrazzo Shower Receptor.....	1,020.53	55.92
22 42 23 00-0084	EA	60" x 32" Precast Terrazzo Shower Receptor.....	1,114.46	55.92
22 42 23 00-0085	EA	60" x 34" Precast Terrazzo Shower Receptor.....	1,119.07	55.92
22 42 23 00-0086	EA	60" x 36" Precast Terrazzo Shower Receptor.....	1,123.65	55.92
22 42 23 00-0087	EA	32" x 32" Precast Terrazzo Corner Shower Receptor.....	637.12	46.60
22 42 23 00-0088	EA	34" x 34" Precast Terrazzo Corner Shower Receptor.....	638.23	46.60
22 42 23 00-0089	EA	36" x 36" Precast Terrazzo Corner Shower Receptor.....	640.43	46.60
22 42 23 00-0090	EA	40" x 40" Precast Terrazzo Corner Shower Receptor.....	765.43	46.60
22 42 23 00-0091	EA	36" x 36", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor.....	1,382.16	46.60
22 42 23 00-0092	EA	60" x 30", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor.....	1,539.88	55.92
22 42 23 00-0093	EA	60" x 36", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor.....	1,604.45	55.92

22 42 23 00-0094 Shower Receptors Accessories (22 42 23 00-0093)

22 42 23 00-0095	SF	Polyvinyl Chloride (PVC) Shower Pan Liner.....	4.06	
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22 42 23 00-0096 Removal And Reinstallation Of Fixtures And Trim (22 42 23)

Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.

22 42 23 00-0097	EA	Removal And Reinstallation Of Shower Head.....	55.92	
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22 42 26 Commercial Disposers (22 42)

See CSI section 22 41 26 00-0001 for disposals.

22 42 33 Wash Fountains (22 42)**22 42 33 00-0001 Circular Wash Fountain, Deep Bowl (22 42 33)**

Note: Includes trim and trap. 2" IPS waste outlets foot control/hand control operated.

22 42 33 00-0002	EA	36" Stainless Steel Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2705F-A-LSD).....	9,723.41	184.76
		For Metal Soap Dispenser, Add.....	100.00	
		For Stainless Steel Pedestal Panels, Add.....	100.00	
22 42 33 00-0003	EA	36" Bradstone® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2805F-A-LSD).....	5,009.74	184.76
		For Metal Soap Dispenser, Add.....	100.00	
		For Stainless Steel Pedestal Panels, Add.....	100.00	
22 42 33 00-0004	EA	36" Terreon® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3105AIRLSDE).....	8,639.18	184.76
		For Metal Soap Dispenser, Add.....	100.00	
		For Stainless Steel Pedestal Panels, Add.....	100.00	
22 42 33 00-0005	EA	54" Stainless Steel Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2708F-A-LSD).....	12,396.89	211.15
		For Metal Soap Dispenser, Add.....	100.00	
		For Stainless Steel Pedestal Panels, Add.....	100.00	
22 42 33 00-0006	EA	54" Bradstone® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2808F-A-LSD).....	5,779.55	211.15
		For Metal Soap Dispenser, Add.....	100.00	
		For Stainless Steel Pedestal Panels, Add.....	100.00	
22 42 33 00-0007	EA	54" Terreon® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3108AIRLSDE).....	10,347.83	211.15
		For Metal Soap Dispenser, Add.....	100.00	
		For Stainless Steel Pedestal Panels, Add.....	100.00	

22 42 33 00-0008 Semi-Circular Wash Fountain, Deep Bowl (22 42 33)

Note: Includes trim and trap. 2" IPS waste outlets foot control/hand control operated.

22 42 33 00-0009	EA	36" Stainless Steel Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2703F-A-LSD).....	8,484.09	158.36
		For Metal Soap Dispenser, Add.....	100.00	
		For Stainless Steel Pedestal Panels, Add.....	100.00	
22 42 33 00-0010	EA	36" Bradstone® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2803F-A-LSD).....	4,570.28	158.36
		For Metal Soap Dispenser, Add.....	100.00	
		For Stainless Steel Pedestal Panels, Add.....	100.00	
22 42 33 00-0011	EA	36" Terreon® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3103AIRLSDE).....	6,556.63	158.36
		For Metal Soap Dispenser, Add.....	100.00	
		For Stainless Steel Pedestal Panels, Add.....	100.00	
22 42 33 00-0012	EA	54" Stainless Steel Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2704F-A-LSD).....	10,412.03	184.76
		For Metal Soap Dispenser, Add.....	100.00	
		For Stainless Steel Pedestal Panels, Add.....	100.00	
22 42 33 00-0013	EA	54" Bradstone® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2804F-A-LSD).....	5,512.56	184.76
		For Metal Soap Dispenser, Add.....	100.00	
		For Stainless Steel Pedestal Panels, Add.....	100.00	

22 42 33 00-0014	EA		54" Terreon® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3104AIRLSDE).....	7,798.38	184.76
			For Metal Soap Dispenser, Add	100.00	
			For Stainless Steel Pedestal Panels, Add	100.00	

22 42 39 Commercial Faucets, Supplies, and Trim (22 42)

22 42 39 00-0001	Kitchen Faucets (22 42 39)				
22 42 39 00-0002	EA		Top Cast Kitchen Faucet, Single Handle, Chrome Finish (Delta 140-DST).....	226.78	57.21
22 42 39 00-0003	EA		Top Cast Kitchen Faucet With Spray, Single Handle, Chrome Finish (Delta 440-DST)	256.24	57.21
22 42 39 00-0004	EA		Top Cast Kitchen Faucet, Single Handle, Stainless Steel Finish (Delta 140-SS-DST).....	218.38	57.21
22 42 39 00-0005	EA		Top Cast Kitchen Faucet With Spray, Single Handle, Stainless Steel Finish (Delta 440 -SS-DST).....	246.18	57.21
22 42 39 00-0006	EA		Top Cast Kitchen Faucet, Two Handle, Chrome Finish, 8" Center, Lever Handles (Delta 2102LF-LHP+H24)	211.21	57.21
22 42 39 00-0007	EA		Top Cast Kitchen Faucet With Spray, Two Handle, Chrome Finish, 8" Center, Lever Handles (Delta 2402LF-LHP+H24).....	231.96	57.21
22 42 39 00-0008	EA		Top Cast Kitchen Faucet, Two Handle, Chrome Finish, Center Gooseneck Faucet, Lever Handles (Delta 21987LF).....	301.93	57.21
22 42 39 00-0009	EA		Top Cast Kitchen Faucet With Spray, Two Handle, Chrome Finish, Center Gooseneck Faucet, Lever Handles (Delta 21996LF).....	214.13	57.21
22 42 39 00-0010	EA		Bottom Mount Kitchen Faucet, Single Handle, Chrome Finish (Delta 101LF-WF)	206.28	57.21
22 42 39 00-0011	EA		Bottom Mount Kitchen Faucet With Spray, Single Handle, Chrome Finish (Delta 175LF-WF)	244.69	57.21
22 42 39 00-0012	EA		Bottom Mount Kitchen Faucet, Two Handle, Chrome Finish, Gooseneck Faucet, Lever Handles (Delta 2274-LHP+H24).....	422.62	57.21
22 42 39 00-0013	EA		Bottom Mount Kitchen Faucet With Spray, Two Handle, Chrome Finish, Gooseneck Faucet, Lever Handles (Delta 2276-LHP+H24)	463.88	57.21
22 42 39 00-0014	EA		Deck Mount Sink Faucet, 8" Center Set, Lever Handles (Chicago Faucet 1100 ABCP)	436.65	62.13
22 42 39 00-0015	EA		Deck Mount Sink Faucet, 8" Center Set, 4" Wristblade Handles (Chicago Faucet 1100-GN2AE3-317CP)	434.64	62.13
22 42 39 00-0016	EA		Deck Mount Gooseneck Sink Faucet, 4" Center Set, Blade Handles (Chicago Faucet 802-317CP).....	323.63	62.13
22 42 39 00-0017	EA		Chrome Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041CR).....	751.86	57.21
22 42 39 00-0018	EA		Brushed Nickel Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041NK).....	952.05	57.21
22 42 39 00-0019	EA		Oil Rubbed Bronze Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041RB)	1,018.78	57.21
22 42 39 00-0020	EA		Chrome Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKFGT1041CR).....	751.86	57.21
22 42 39 00-0021	EA		Brushed Nickel Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKFGT1041NK).....	952.05	57.21
22 42 39 00-0022	EA		Oil Rubbed Bronze Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKFGT1041RB).....	1,018.78	57.21

22 42 39 00-0023 Lavatory Faucets (22 42 39)

22 42 39 00-0024	EA		Single Handle Centerset Lavatory Faucet, Polished Chrome Finish (Delta Lahara 538-MPU-DST).....	276.77	41.19
22 42 39 00-0025	EA		4" Centerset Lavatory Faucet With Chrome Lever Handle (Delta 501LF-WF).....	191.54	41.19
22 42 39 00-0026	EA		4" Classic Style Centerset Lavatory Faucet With Chrome Lever Handles (Delta 2523LF-MPU).....	238.16	41.19
22 42 39 00-0027	EA		4" Centerset Lavatory Faucet With Chrome Lever Handles (Delta 2529LF-HDM)	261.41	41.19
22 42 39 00-0028	EA		Classic Style Widespread Lavatory Faucet With Chrome Lever Handles (Delta 3530LF-MPU).....	321.46	41.19
22 42 39 00-0029	EA		Widespread Lavatory Gooseneck Faucet With Chrome Lever Handles (Delta 3579LF-WFHDF).....	374.79	41.19
22 42 39 00-0030	EA		Self Closing/Metered Faucet, Brass, Single Hole, Push Handle (Delta 86T104).....	228.14	41.19
22 42 39 00-0031	EA		Self Closing/Metered Faucet, Double Hole, Push Handles (American Standard 1340.225.002).....	348.18	41.19
22 42 39 00-0032	EA		Single Inlet, Push Handle Metering Faucet, ADA (Chicago Faucet 333-665).....	250.44	41.19
22 42 39 00-0033	EA		Metering Lavatory Faucets (Chicago Faucet 802-665ABCP)	510.31	103.63
			For Faucet With Temperature Control, Add	40.00	
22 42 39 00-0034	EA		3" Reach, 4-Arm Handle Single Basin Faucet (T&S Brass 0710).....	256.29	41.19
22 42 39 00-0035	EA		3" Reach, Push Handle Self-Closing Valve, Single Basin Metering Faucet (T&S Brass 0712)	309.84	41.19
22 42 39 00-0036	EA		4" Reach, Push Handle Self-Closing Valve, Single Basin Metering Faucet (T&S Brass 0805)	303.51	41.19
22 42 39 00-0037	EA		4" Classic Style Centerset Lavatory Faucet With Chrome Lever Handles (Zurn Z81104)	247.64	41.19

22 42 39 00-0038 Bath And Shower Faucets (22 42 39)

22 42 39 00-0039 Bath And Shower Faucets With Valve Body (22 42 39 00-0038)

22 42 39 00-0040	EA		Single Lever Handle, Chrome Tub Filler, Pressure-Balance (American Standard T480 500)	255.91	49.66
22 42 39 00-0041	EA		Single Lever Handle, Chrome Shower Only, Pressure-Balance (American Standard T480.501).....	299.88	49.66
22 42 39 00-0042	EA		Single Lever Handle, Chrome Shower And Tub Filler, Pressure-Balance (American Standard T480.502).....	328.07	49.66
22 42 39 00-0043	EA		Two Lever Handle, Chrome Tub Filler (American Standard Colony Soft 3275.505).....	236.74	49.66
			For Faucet With Metal Cross Handles, Add	45.75	
22 42 39 00-0044	EA		Two Lever Handle, Chrome Shower Only (American Standard Colony Soft 3275.501)	248.02	49.66
			For Faucet With Metal Cross Handles, Add	45.75	
22 42 39 00-0045	EA		Two Lever Handle, Chrome Shower And Tub Filler (American Standard Colony Soft 3275.502)	280.71	49.66
			For Faucet With Metal Cross Handles, Add	45.75	
22 42 39 00-0046	EA		Three Lever Handle, Chrome Shower And Tub Filler (American Standard Colony Soft 3375.502).....	317.92	49.66
			For Faucet With Metal Cross Handles, Add	45.75	

22 42 39 00-0047 Shower Valves And Trim (22 42 39)

See CSI section 22 41 39 00-0011 for residential shower valves and heads.					
22 42 39 00-0048	EA		Removable Hand Held Shower With Hose Wall Hook And Inline Vacuum Breaker (Powers 141-318 with 141-319).....	414.06	77.24
22 42 39 00-0049	EA		Concealed Thermostatic/Pressure Balancing Control Valve With Chrome Plated Shower Head (Chicago Faucet 2502-600CP).....	930.13	77.24
22 42 39 00-0050	EA		Concealed Pressure Balancing Control Valve With Chrome Plated Shower Head (Chicago Faucet 1762-ISCP).....	645.84	77.24
22 42 39 00-0051	EA		Senior Institutional Shower Head (Symmons® 4-150)	248.86	49.66
22 42 39 00-0052	EA		Universal Institutional Shower Head (Symmons® 4-151)	416.75	49.66
22 42 39 00-0053	EA		Fre-Flo Institutional Shower Head (Symmons® 4-295)	293.06	49.66
22 42 39 00-0054	EA		Fre-Flo Institutional Shower Head With Short Arm (Symmons® 4-385)	220.67	49.66
22 42 39 00-0055	EA		Wall Mounted Shower Valve And Slide Bar, Single Lever Concealed Mixer (Symmons® 96-300-B30-V-X)	931.06	74.38
22 42 39 00-0056	EA		Wall Mounted Shower Valve, Tub Faucet, And Slide Bar, Single Lever Concealed Mixer (Symmons® 96-400-B30-V-X).....	763.33	85.82
22 42 39 00-0057	EA		Wall Mounted Shower Valve, Slide Bar And Head, Single Lever Concealed Mixer (Symmons® 96-500-B30-V-X).....	1,008.34	85.82

22 Plumbing**22 40 Plumbing Fixtures****22 42 Commercial Plumbing Fixtures**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 42 39 00-0058	EA	Wall Mounted Shower Valve, Tub Faucet, Slide Bar And Head, Single Lever Concealed Mixer (Symmons® 96-600-B30-V-X).....	1,420.40	91.53
22 42 39 00-0059	EA	Stainless Steel Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Soap Dish, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-801S/1-802S).....	1,290.50	77.24
		For Hand Spray, Hose And Wall Hooks, Add	106.44	
		For Recessed Soap Dish, Add	108.12	
		For Hand Spray, Hose And 30" Slide Bar, Add	165.51	
		For Pressure Balance And Metering Combination, Add	291.63	
22 42 39 00-0060	EA	Stainless Steel Corner Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Soap Dish, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-807).....	1,535.17	77.24
		For Hand Spray, Hose And Wall Hooks, Add	106.44	
		For Recessed Soap Dish, Add	108.12	
		For Hand Spray, Hose And 30" Slide Bar, Add	165.51	
		For Pressure Balance And Metering Combination, Add	291.63	
22 42 39 00-0061	EA	Stainless Steel Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S).....	1,043.85	77.24
		For Hand Spray, Hose And Wall Hooks, Add	19.32	
		For Hand Spray, Hose And 30" Slide Bar, Add	78.39	
		For Pressure Balance And Metering Combination, Add	291.63	
22 42 39 00-0062	EA	Stainless Steel Institutional Shower System With Flat Wall Recessed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-911RS).....	1,578.18	77.24
		For Pressure Balance And Metering Combination, Add	291.63	
22 42 39 00-0063	EA	Stainless Steel Double Outlet Institutional Shower System With Thru-Ceiling Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-902S-FS).....	1,693.36	77.24
		For Hand Spray, Hose And 30" Slide Bar, Add	59.07	
		For Pressure Balance And Metering Combination, Add	291.63	
22 42 39 00-0064	EA	Stainless Steel Institutional Triple Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Heads, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-931).....	3,127.95	77.24
		For Recessed Soap Dish, Add	83.94	
		For Pressure Balance And Metering Combination, Add	227.79	
22 42 39 00-0065	EA	Stainless Steel Institutional Double Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Heads, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-921).....	2,731.79	77.24
		For Recessed Soap Dish, Add	83.94	
		For Pressure Balance And Metering Combination, Add	291.63	
22 42 39 00-0066	EA	Stainless Steel Tub And Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-941-231).....	1,368.96	77.24
22 42 39 00-0067	EA	Stainless Steel Double Outlet Institutional Shower System With Flat Wall Recessed Piping Covering, Vandal Resistant Adjustable Shower Head, Hand Spray, Hose, Wall Hooks, Soap Dish And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-912RS-FS).....	2,103.88	77.24
		For Hand Spray, Hose And 30" Slide Bar, Add	59.07	
		For Pressure Balance And Metering Combination, Add	291.63	
22 42 39 00-0068	EA	Stainless Steel Single Supply Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S-60).....	1,367.11	77.24
22 42 39 00-0069	EA	Stainless Steel Single Supply Single Outlet Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S-22-FS).....	1,363.05	77.24
		For Hand Spray, Hose And 30" Slide Bar, Add	59.07	
22 42 39 00-0070	EA	Single Lever Handle, Chrome, Pressure-Balance, Shower System (Symmons SafetyMix 1-100-X-3/4).....	1,006.22	68.65
22 42 39 00-0071	EA	Single Lever Handle, Chrome, Pressure-Balance, Shower Valve (Symmons SafetyMix 4-500).....	778.00	49.66

22 42 39 00-0072 Service Sink Faucets (22 42 39)

22 42 39 00-0073	EA	4-5/8" Spout With Vacuum Breaker, Wall Mount Service Sink Faucet With Lever Handles (Kohler® Kinlock™).....	551.64	95.26
22 42 39 00-0074	EA	3" Spout, Wall Mount, Service Sink Faucet With Lever Handles (American Standard 8340.235).....	394.47	95.26
22 42 39 00-0075	EA	3" Spout With Vacuum Breaker, Wall Mount Service Sink Faucet With Lever Handles (American Standard 8340.243).....	424.91	95.26
22 42 39 00-0076	EA	6" Spout With Vacuum Breaker And Top Brace, Wall Mount Service Sink Faucet, Lever Handles (American Standard 8344.012).....	440.69	95.26
22 42 39 00-0077	EA	7-1/4" Spout With Bottom Fork Brace, Stops In Integral Arm, Wall Mount Service Sink Faucet With Wrist Blade Handles (American Standard 8355.101).....	575.70	133.53
22 42 39 00-0078	EA	7-1/4" Spout With Vacuum Break And Bottom Fork Brace, Stops In Integral Arm, Wall Mount Service Sink Faucet With Wrist Blade Handles (American Standard 8355.110).....	644.89	152.18
22 42 39 00-0079	EA	11" Spout With Bottom Fork Brace, Stops In Integral Arm, Wall Mount Service Sink Faucet With Wrist Blade Handles (American Standard 8345.115).....	744.11	152.18
22 42 39 00-0080	EA	5-3/4" Spout With Pail Hook, Concealed Service Sink Faucet, Wall Brace (Chicago Faucet 911-CP).....	844.46	152.18
22 42 39 00-0081	EA	Wall Mount Service Sink Faucet With Atmospheric Vacuum Breaker Spout, Lever Handles (Chicago Faucet 305-VBRFC).....	437.37	95.26
22 42 39 00-0082	EA	44" Flexible Stainless Steel Hose With Insulated Handle, 23" Riser, Pre-Rinse Faucet (Chicago Faucet 923-XKCAB).....	893.85	152.18
22 42 39 00-0083	EA	Wall Mount Service Sink Faucet, Stainless Steel With 10" Swing Spout, Lever Handles (Fisher 46302).....	670.29	95.26
22 42 39 00-0084	EA	Deck Mount Service Sink Faucet, Stainless Steel With 8" Swing Spout, Lever Handles (Fisher 57649).....	459.39	95.26

22 42 39 00-0085 Laboratory Faucets And Fittings (22 42 39)

22 42 39 00-0086	EA	Cold Faucet, Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Laboratory Faucet (Chicago Faucet 927).....	223.90	40.51
22 42 39 00-0087	EA	Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Hot And Cold, Laboratory Faucet (Chicago Faucet 929).....	366.48	57.21
22 42 39 00-0088	EA	Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Hot And Cold, Laboratory Faucet With Vacuum Breaker (Chicago Faucet 930).....	474.97	57.21
22 42 39 00-0089	EA	Cold Wall Mount, Gooseneck Spout With Aerator, Laboratory Faucet (Chicago Faucet 933).....	292.09	53.43
22 42 39 00-0090	EA	6" Spout With Aerator, Wall Mount, Hot And Cold, Laboratory Faucet (Chicago Faucet 940).....	396.92	76.20

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 39 00-0091	EA		6" Spout With Aerator And Vacuum Breaker, Wall Mount, Hot And Cold, Laboratory Faucet (Chicago Faucet 940-VBE7-CP).....	538.38	76.20
22 42 39 00-0092	EA		Dual Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Hot And Cold, Laboratory Faucet (Chicago Faucet 946)	430.69	57.21
22 42 39 00-0093	EA		Gooseneck Spout With Aerator, Wall Mount, Hot And Cold, Laboratory Faucet (Chicago Faucet 942)	422.63	76.20
22 42 39 00-0094	EA		Single Control, Single Hole Deck Mount Sink Faucet (Chicago Faucet 350-CP)	276.82	43.99
22 42 39 00-0095	EA		Dual Control, Single Hole Deck Mount Sink Faucet (Chicago Faucet 50-CP).....	389.99	62.13
22 42 39 00-0096	EA		4" Center Set, Deck Mount, Lavatory Faucet With Blade Handles (Chicago Faucet 802)	300.33	62.13
22 42 39 00-0097	EA		4" Center Set, Deck Mount, Gooseneck Sink Faucet With Blade Handles (Chicago Faucet 895-317ABCP).....	366.87	62.13
22 42 39 00-0098	EA		Gas Ball Valve, Removable Nozzle, With Index Button (Chicago Faucet 909-AGVCP)	95.55	38.22
22 42 39 00-0099	EA		Dual Service Lab Fitting, Two Gas And One Water Outlet (Chicago Faucet 1332-CP).....	596.45	68.65
22 42 39 00-0100	EA		Dual Service Lab Fitting With Wristblade Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-317CP)	767.37	68.65
22 42 39 00-0101	EA		Dual Service Lab Fitting With Metal Cross Handle, Inline Vacuum Breaker, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7-204CP)	923.08	68.65
22 42 39 00-0102	EA		Dual Service Lab Fitting With Plastic Cross Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7CP).....	816.15	68.65
22 42 39 00-0103	EA		Dual Service Lab Fitting With Chemical Resistant Coating And Plastic Cross Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7SAM)	972.07	68.65
22 42 39 00-0104	EA		Single, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-131WSA)	165.50	37.76
22 42 39 00-0105	EA		90 Degree Double, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-132AWSA)	232.16	45.31
22 42 39 00-0106	EA		180 Degree Double, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-132SWSA)	232.16	45.31
22 42 39 00-0107	EA		Three Way, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-133WSA)	298.84	52.86
22 42 39 00-0108	EA		Four Way, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-134WSA)	365.50	60.41
22 42 39 00-0109 Laboratory Countertop Faucets (22 42 39)					
Note: Includes final connection. Excludes rough-in.					
22 42 39 00-0110	EA		6" Gooseneck Deck Mount Single Valve Faucet (Fisher Hamilton 32L391)	231.48	31.07
22 42 39 00-0111	EA		6" Gooseneck Deck Mount Hot And Cold Valve Faucet (Fisher Hamilton 32L406).....	315.12	31.07
22 42 39 00-0112	EA		Deionized Water 6" Gooseneck Deck Mount Single Valve Faucet (Fisher Hamilton 32L512).....	318.47	31.07
22 42 39 00-0113	EA		Turret Deck Mount Air Or Gas Valve (Fisher Hamilton 30L535)	105.77	18.64
22 42 39 00-0114 Gooseneck Faucets With Independent Eyewash (22 42 39)					
22 42 39 00-0115	EA		Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA).....	898.43	42.91
22 42 39 00-0116	EA		Single Lever Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-SL)	973.76	40.04
22 42 39 00-0117	EA		8" Stem, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-8).....	1,256.76	42.91
22 42 39 00-0118	EA		Serrated Tip With Vacuum Breaker, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-ST).....	1,327.30	42.91
22 42 39 00-0119	EA		Thermostatic Mixing Valve Kit For The SEF-1800 (Speakman SEF-TW).....	1,611.63	28.61
22 42 39 00-0120	EA		Foot Pedal Activation, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-FP)	1,943.69	71.52
22 42 39 00-0121	EA		Thermostatic Mixing Valve Kit, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-TW)	2,713.21	71.52
22 42 39 00-0122	EA		8" Stem, Thermostatic Mixing Valve Kit, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-8TW)	2,802.98	71.52
22 42 39 00-0123	EA		Adjustable Aerated Outlet Heads, Gooseneck Faucet Mounted Eyewash (WaterSaver EW101)	333.26	43.49
22 42 39 00-0124	EA		Gooseneck Faucet Mounted Eyewash With Faucet Control Valve (WaterSaver EW200).....	367.21	43.49
22 42 39 00-0125	EA		Gooseneck Faucet Mounted Eyewash With Faucet Control Valve (WaterSaver EW201).....	396.86	43.49
22 42 39 00-0126	EA		6 Gallon Capacity, Tempering Valve (WaterSaver AP3600)	1,766.03	28.61
22 42 39 00-0127 Bubblers And Glass Fillers (22 42 39)					
22 42 39 00-0128	EA		Self-Closing Bubbler Faucet, Metering Handle (Chicago Faucet 748-665CP)	395.29	40.51
22 42 39 00-0129	EA		Wall Mount Glass Filler, 1/2" Flanged Female Inlet (Chicago Faucet 313-CP).....	352.11	53.43
22 42 39 00-0130	EA		7" Overall Outlet Height, Deck Mount Glass Filler, 1/2" Flanged Female Inlet (Chicago Faucet 709-CP)	389.89	40.51
22 42 39 00-0131	EA		Wall Mount Glass Filler With Metering Valve And Push Button Handle (Chicago 324-665PSHCP)	455.19	49.66
22 42 39 00-0132	EA		Stainless Steel Deck Mount Bubbler (Just JCB-4SS)	564.81	49.66
22 42 39 00-0133	EA		Vandal Resistant Stainless Steel Deck Mount Bubbler (Just JSB-10-VR).....	586.04	49.66
22 42 39 00-0134	EA		Wall Mount, Push Button Single Glass Filler (Chicago Faucet 324-CP).....	240.57	58.03
22 42 39 00-0135	EA		Deck Mount, Lever Handle Drinking Faucet (Haws 5054LF).....	462.74	43.99
22 42 39 00-0136	EA		Push Button Bubbler, 1/2" OD (Haws 5017LF).....	468.95	43.99
22 42 39 00-0137	EA		Push Button Bubbler, 3/8" NPT (Haws 5010-6427)	390.58	43.99
22 42 39 00-0138 Automatic Electronic Sensor Faucets (22 42 39)					
22 42 39 00-0139	EA		Electronic Lavatory Faucet (American Standard 6055.205.002)	722.57	95.43
			<i>For Faucet With Temperature Control, Add</i>	40.00	
22 42 39 00-0140	EA		Electronic Lavatory Gooseneck Faucet (American Standard 6055.105.002)	729.34	95.43
			<i>For Faucet With Temperature Control, Add</i>	40.00	
22 42 39 00-0141	EA		Electronic Gooseneck Faucet (Chicago Faucet 116.103.AB.1)	977.98	103.63
22 42 39 00-0142	EA		Electronic Lavatory Faucet (Chicago Faucet 116.112.AB.1)	1,019.37	95.43
22 42 39 00-0143	EA		Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-30880).....	1,513.70	103.63
22 42 39 00-0144	EA		Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-30880-BDT)	1,894.91	103.63
22 42 39 00-0145	EA		Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-35187).....	1,769.91	103.63
22 42 39 00-0146	EA		Solar Powered, Electronic Lavatory Faucet With Integral Mixing Valve (Sloan Solis EAF-275-ISM).....	1,235.46	95.43
22 42 39 00-0147	EA		Deck Mount, AC Power, Electronic Lavatory Faucet (T&S Brass EC1100)	1,076.08	95.43
22 42 39 00-0148	EA		Wall Mount, AC Power, Electronic Lavatory Faucet (T&S Brass EC1101)	1,136.93	95.43
22 42 39 00-0149	EA		Deck Mount, AC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC1102)	984.80	95.43
22 42 39 00-0150	EA		Deck Mount, DC Power, Electronic Lavatory Faucet (T&S Brass EC2100).....	1,136.93	95.43
22 42 39 00-0151	EA		Deck Mount, DC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC2102)	993.27	95.43
22 42 39 00-0152	EA		Deck Mount, AC Power, Electronic Lavatory Gooseneck Faucet (T&S Brass EC3100).....	993.27	95.43
22 42 39 00-0153	EA		Wall Mount, AC Power, Electronic Lavatory Gooseneck Faucet (T&S Brass EC3101)	1,118.38	95.43
22 42 39 00-0154	EA		Deck Mount, AC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC3102)	948.46	95.43
22 42 39 00-0155	EA		4" Deck Mount, AC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC3103)	910.07	95.43

22 Plumbing**22 40 Plumbing Fixtures****22 42 Commercial Plumbing Fixtures**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 42 39 00-0156 EA Self-Generating EcoPower System, Single Supply Sensor Faucet, Standard Spout (Toto "Eco-Power" TEL3GKCN-60) 1,479.13 95.43

22 42 39 00-0157 Singles (22 42 39)

22 42 39 00-0158 EA Stainless Steel Single Deck Faucet With 6" Swivel/Rigid Gooseneck Spout And Lever Handles (Fisher 58130) 278.77 42.00

22 42 39 00-0159 Other Trim (22 42 39)
 22 42 39 00-0160 EA Faucet Aerator, Male Thread 13/16" Male, 2 GPM (Delta RP330) 20.81 6.21
 22 42 39 00-0161 EA 1-1/2" Pop-up Tailpiece (Chicago Faucet 226-ACP) 141.95 18.64
 22 42 39 00-0162 EA 1-1/4" Grid Strainer Tailpiece (Chicago Faucet 327-XCP) 56.16 15.53
 22 42 39 00-0163 EA 1-1/2" Grid Strainer Tailpiece (Chicago Faucet 327-X1-1/2PCP) 125.89 15.53
 22 42 39 00-0164 EA Seat, Toilet Elongated 35.46 12.43
 22 42 39 00-0165 EA 1/2" NPT x 3/8" Compression Chrome Angle Stop (Chicago Faucet 1005-ABCP) 130.64 12.01
 22 42 39 00-0166 EA 3/8" NPT x 3/8" Compression Chrome Angle Stop (Chicago Faucet 1004-ABCP) 114.03 12.01
 22 42 39 00-0167 EA 1/2" NPT x 3/8" Compression Chrome Angle Stop (Chicago Faucet 1015-ABCP) 123.96 12.01
 22 42 39 00-0168 EA 1/2" NPT x 1/2" NPT Chrome Straight Stop (Chicago Faucet 45-ABCP) 125.25 12.01
 22 42 39 00-0169 EA 3/4" NPT x 3/4" NPT Chrome Straight Stop (Chicago Faucet 375-ABCP) 154.57 12.01
 22 42 39 00-0170 EA 1/2" NPT x 1/2" NPT Chrome Straight Stop (Chicago Faucet 699-ABCP) 206.09 12.01
 22 42 39 00-0171 EA Stainless Steel Hand Sink With Foot Pedals, 10" Deep 1,624.76 286.05
 22 42 39 00-0172 EA Lavatory Drainline Guard And Shutoff Covers (IPS Truebro Lav Guard 102) 66.47 17.17
 22 42 39 00-0173 EA Soft Lavatory Drainline Guard And Shutoff Covers (IPS Truebro Soft-Guard Plus) 69.34 17.17
 22 42 39 00-0174 EA Lavatory Protective Enclosure (IPS Truebro Lav Shield) 168.68 17.17
 22 42 39 00-0175 EA 36" Wide, Undersink Protective Enclosure (IPS Truebro Basin Guard) 205.60 17.17
 22 42 39 00-0176 EA 42" Wide, Undersink Protective Enclosure (IPS Truebro Basin Guard) 232.42 17.17
 22 42 39 00-0177 EA 1/2" NPT x 3/8" Compression Chrome, Quarter Turn Angle Stop (SharkBite 23036) 41.42 12.01
 22 42 39 00-0178 EA 1/2" NPT x 3/8" Compression Chrome, Quarter Turn Straight Stop (SharkBite 23037) 41.42 12.01
 22 42 39 00-0179 EA 1/2" NPT x 3/8" Compression Chrome, Quarter Turn Dual Angle Stop (SharkBite 25558) 57.27 12.01
 22 42 39 00-0180 PR Pair of 16" Long, 3/8" OD x 1/2" IPS, Stainless Steel Braided Sink Supply Line 39.28 13.20
 22 42 39 00-0181 EA 12" Long, 3/8" OD x 7/8" BC, Stainless Steel Braided Toilet Supply Line 24.44 7.77
 22 42 39 00-0182 EA 12" Long, 1/2" OD x 7/8" BC, Stainless Steel Braided Toilet Supply Line 25.16 7.77
22 42 39 00-0183 Removal And Reinstallation Of Fixtures And Trim (22 42 39)

Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.

22 42 39 00-0184 EA Removal And Reinstallation Of Faucet 99.41

22 42 43 Flushometers (22 42)**22 42 43 00-0001 Water Closet Flush Valves** (22 42 43)
 22 42 43 00-0002 EA Exposed Manual Water Closet Flush Valve (Sloan Regal-115XL) 335.84 39.02
 22 42 43 00-0003 EA Exposed Manual Water Closet Flush Valve (Sloan Regal-113-1.6) 325.12 39.02
 22 42 43 00-0004 EA Exposed Manual Water Closet Flush Valve (Sloan Regal-110 Or 111) 378.94 39.02
 22 42 43 00-0005 EA Back Spud, Concealed Manual Water Closet Flush Valve (Sloan Royal-140) 523.24 39.02
 22 42 43 00-0006 EA Top Spud, Concealed Manual Water Closet Flush Valve (Sloan Royal-142) 583.72 39.02
 22 42 43 00-0007 EA Exposed Infrared Water Closet Flush Valve (Sloan Royal 115-1.6 ES-S) 1,080.29 39.02
 22 42 43 00-0008 EA Concealed Infrared Water Closet Flush Valve, Back Spud (Sloan Royal-140 ES-S) 1,078.05 39.02
 22 42 43 00-0009 EA Concealed Infrared Water Closet Flush Valve, Top Spud (Sloan Royal-153-1.6-ES-S) 1,139.06 39.02
 22 42 43 00-0010 EA Exposed Battery Powered Water Closet Flush Valve (Sloan G2 Optima Plus 8113) 1,057.15 39.02
 22 42 43 00-0011 EA Dual Flush Water Closet Flush Valve (Sloan UpperCut WES-115) 461.54 39.02
 Note: "Green". 1.6 Gallons or 1.1 Gallons per flush. Includes instructional placards on proper operation.
 22 42 43 00-0012 EA Exposed Battery Powered Water Closet Flush Valve (Sloan G2 Optima Plus 8110) 833.54 39.02
 22 42 43 00-0013 EA Side Mount Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan Optima EBV-89A) 457.80 39.02
 22 42 43 00-0014 EA Side Mount Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Technical Concepts 40118X) 455.58 39.02
 22 42 43 00-0015 EA Slide Over Handle Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan Optima Smooth EBV-200A) 463.36 34.32
 22 42 43 00-0016 EA Slide Over Handle Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Technical Concepts 40180X) 504.47 34.32
 22 42 43 00-0017 EA 1.28 GPF, Exposed Infrared Water Closet Flush Valve (Toto EcoPower TET1LN) 1,096.06 39.02
 22 42 43 00-0018 EA Exposed Infrared Water Closet Flush Valve (1-1/2" V.B.) 1.28 GPF (Toto EcoPower TET1LN32) 1,202.38 39.02
 22 42 43 00-0019 EA 1.28 GPF, Back Spud, Concealed Infrared Water Closet Flush Valve (Toto EcoPower TET2LN31 Or TET3LN31) 1,529.95 39.02
 22 42 43 00-0020 EA 1.28 GPF, Top Spud, Concealed Infrared Water Closet Flush Valve (Toto EcoPower TET2LN32 Or TET3LN32) 1,529.95 39.02
 22 42 43 00-0021 EA Exposed Manual Water Closet Flush Valve (Zurn Z6000AV) 286.02 39.02
 22 42 43 00-0022 EA Exposed Infrared Water Closet Flush Valve (Zurn ZEMS6000AV-HET-IS) 990.00 39.02
 22 42 43 00-0023 EA Exposed Infrared Water Closet Flush Valve (Zurn ZTS6200EV) 981.63 39.02
 22 42 43 00-0024 EA Slide Over Handle AC Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan EL-600-A) 486.44 34.32
 22 42 43 00-0025 EA 6 Volt DC, 120 Volt AC Hardwired Power Transformer (Sloan EL-451) 148.65 5.88
 22 42 43 00-0026 EA Exposed Solar/Battery Powered Water Closet Flush Valve (Sloan Solis 8111-1.28) 564.42 39.02
 22 42 43 00-0027 EA Exposed Manual Water Closet Flush Valve (Zurn Z6000AV-HET) 362.00 39.02
 22 42 43 00-0028 EA Exposed Battery Powered Water Closet Flush Valve (Zurn ZER6000AV-HET) 1,005.08 39.02
22 42 43 00-0029 Urinal Flush Valves (22 42 43)
 22 42 43 00-0030 EA 3/4" Top Spud, Exposed Manual Urinal Flush Valve (Sloan Regal 186 XL) 282.46 39.02
 Note: 0.5, 1.0 or 1.5 GPF.
 22 42 43 00-0031 EA 1-1/4" Top Spud, Exposed Manual Urinal Flush Valve (Sloan Regal 180) 304.80 39.02
 Note: 1.0, 1.5 or 3.5 GPF.
 22 42 43 00-0032 EA Back Spud, Concealed Manual Urinal Flush Valve (Sloan Royal 195) 411.56 39.02
 Note: 1.0 or 1.5 GPF.
 22 42 43 00-0033 EA Top Spud, Concealed Manual Urinal Flush Valve (Sloan Royal 197) 499.50 39.02
 Note: 1.0 or 1.5 GPF.
 22 42 43 00-0034 EA Exposed Infrared Urinal Flush Valve (Sloan Royal 186-ES-S) 789.41 39.02
 Note: 1.0 or 1.5 GPF.

		Plumbing	22	22
		Plumbing Fixtures	22 40	
		Commercial Plumbing Fixtures	22 42	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 43 00-0035	EA		Back Spud, Concealed Infrared Urinal Flush Valve (Sloan Royal 195-WB-ES-S)..... Note: 0.5, 1.0 or 1.5 GPF.	1,063.07	39.02
22 42 43 00-0036	EA		Top Spud, Concealed Infrared Urinal Flush Valve (Sloan Royal 197-WB-ES-S)..... Note: 0.5, 1.0 or 1.5 GPF.	1,193.41	39.02
22 42 43 00-0037	EA		Top Spud, Exposed Battery Powered Urinal Flush Valve (Sloan G2 Opt+8186-1)..... Note: 1.0 GPF.	776.33	39.02
22 42 43 00-0038	EA		Exposed Infrared Urinal Flush Valve (3/4" V.B.) (Toto EcoPower TEU1LN12)..... Note: 0.5 GPF.	1,195.53	39.02
22 42 43 00-0039	EA		3/4" Top Spud, Exposed Manual Urinal Flush Valve (Zurn Z6003AV)..... Note: 0.5, 1.0 or 1.5 GPF.	339.04	39.02
22 42 43 00-0040	EA		Top Spud, Exposed Solar/Battery Powered Urinal Flush Valve (Sloan Solis 8186-0.13) Note: 0.13 GPF.	507.21	39.02
22 42 43 00-0041	EA		Top Spud, Exposed Battery Powered Urinal Flush Valve (Sloan G2 Opt 8180)..... Note: 1.0, 1.5 or 3.5 GPF.	776.33	39.02
22 42 43 00-0042	EA		3/4" Top Spud, Exposed Manual Urinal Flush Valve (Zurn Z6003AV-ULF)..... Note: 0.125 GPF.	324.40	39.02
22 42 43 00-0043	EA		Top Spud, Exposed Battery Powered Urinal Flush Valve (Zurn ZTR6203-ULF) Note: 0.125 GPF.	837.76	39.02
22 42 43 00-0044	EA		Exposed Infrared Urinal Flush Valve (Zurn ZEMS6003AV-ULF-IS)..... Note: 0.125 GPF.	842.62	39.02
22 42 43 00-0045			Removal And Reinstallation Of Fixtures And Trim (22 42 43) Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 43 00-0046	EA		Removal And Reinstallation Of Flush Valve	155.33	
22 42 43 00-0047			Plumbing Control Transformers (22 42 43)		
22 42 43 00-0048	EA		6 Volt DC, 120 Volt AC Plug In Style Power Transformer (Zurn P6000-PC6)	68.63	
22 42 46			Chemical Toilets (22 42) Note: Includes toilet, urinal, holding tank, and ventilation system. Building to be priced separately.		
22 42 46 00-0001			Standard Chemical Toilets (22 42 46)		
22 42 46 00-0002			Small Tank Chemical Toilets (22 42 46 00-0001)		
22 42 46 00-0003	EA		Chemical Toilet, Small Tank 7,000 Uses/Year..... For Extra Urinal, Add	4,723.68 151.99	1,144.20
22 42 46 00-0004			Medium Tank Chemical Toilets (22 42 46 00-0001)		
22 42 46 00-0005	EA		Chemical Toilet, Medium Tank 13,000 Uses/Year..... For Extra Urinal, Add	5,615.04 180.10	1,362.75
22 42 46 00-0006			Large Tank Chemical Toilets (22 42 46 00-0001)		
22 42 46 00-0007	EA		Chemical Toilet, Large Tank 28,000 Uses/Year For Extra Urinal, Add	6,706.87 238.21	1,545.82
22 43			Healthcare Plumbing Fixtures (22 40)		
22 43 13			Healthcare Water Closets (22 43)		
22 43 13 00-0001			Healthcare Water Closets (22 43 13)		
22 43 13 00-0002	EA		Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Healthcare Water Closet With Bedpan Holding Rim (American Standard Priolo® ADA)	835.51	119.00
22 43 13 00-0003	EA		Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Healthcare Water Closet With Bedpan Holding Rim (American Standard Madera™ ADA).....	696.54	119.00
22 43 16			Healthcare Sinks (22 43)		
22 43 16 00-0001			Healthcare Sinks (22 43 16) Note: Includes trap, drain and supply valves. Excludes faucets and flush valves.		
22 43 16 00-0002	EA		25" x 21", Wall Mounted, Blow Out Flushing Rim, Vitreous China Clinic Service Sink (American Standard) For Stainless Steel Rim Guards (Three Sides), Add	1,217.68 108.61	76.66
22 43 16 00-0003	EA		29" x 20", Floor Mounted, Siphon Jet Flushing Rim, Vitreous China Clinic Service Sink (American Standard)..... For Stainless Steel Rim Guards (Three Sides), Add For Pedestal Base, Add	1,322.99 108.61 497.95	220.26
22 43 16 00-0004	EA		28" x 22", Wall Mounted, Vitreous China Surgeon's Scrub Sink (American Standard)..... For Painted Bracket Supports, Add	1,169.87 178.05	76.66
22 43 16 00-0005	EA		20" x 17", Wall Mounted, Vitreous China Intensive Care Unit Sink (American Standard).....	1,026.43	76.66
22 43 39			Healthcare Faucets (22 43)		
22 43 39 00-0001			Medical Faucet Spouts (22 43 39)		
22 43 39 00-0002	EA		Deck Mounted, Rigid Gooseneck Medical Lavatory Spout (American Standard 7522)	103.57	17.17
22 43 39 00-0003			Electronic Proximity Medical Faucets (22 43 39)		
22 43 39 00-0004	EA		DC Or Plug-In AC Powered, Single Inlet, Electronic Proximity Medical Lavatory Faucet (American Standard Selectronic™ ICU)..... For Hard Wired AC Powered, Add	585.17 24.73	83.98

22 Plumbing**22 40 Plumbing Fixtures****22 43 Healthcare Plumbing Fixtures**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 43 39 00-0005		Foot And Knee Faucet Controls (22 43 39)			
22 43 39 00-0006	EA	Single Supply Metering Pedal Valve (Chicago Faucet 628).....	450.55	152.64	
22 43 39 00-0007	EA	Double Supply Metering Pedal Valve (Chicago Faucet 625).....	528.34	152.64	
22 43 39 00-0008	EA	Knee Actuated Metering Mixing Valve (Chicago Faucet 745-VOCF).....	1,128.01	152.64	
22 43 39 00-0009	EA	Double Knee Actuated Metering Mixing Valve (American Standard 7676).....	687.43	152.64	

22 43 39 00-0010		Centerset Medical Faucets (22 43 39)			
22 43 39 00-0011	EA	Rigid Gooseneck Centerset Medical Lavatory Faucet, 8" Centers 6" Wrist Action Handles, Adjustable Centers (T&S B-0865-04).....	615.64	83.98	
22 43 39 00-0012	EA	Swivel Gooseneck Centerset Medical Lavatory Faucet, 8" Centers, 6" Wrist Action Handles, Adjustable Centers (T&S B-0866-04).....	622.69	83.98	
22 43 39 00-0013	EA	Swivel Gooseneck Centerset Medical Lavatory Faucet With Aerator 8" Centers, 6" Wrist Action Handles, Adjustable Centers (T&S B-0867-04).....	621.97	83.98	
22 43 39 00-0014	EA	Surgical Sink Rigid Gooseneck Faucets, 8" Centers, 6" Wrist Action Handles (T&S B-0322-04).....	555.04	83.98	
22 43 39 00-0015	EA	Surgical Sink Rigid Gooseneck Faucets With Stream Regulator Outlet, 8" Centers, 6" Wrist Action Handles (T&S B-0323-04).....	531.08	83.98	

22 43 39 00-0016		Bedpan Washers (22 43 39)			
22 43 39 00-0017	EA	Self Closing Pedal Valve Bed Pan Washer, With Volume Control, Vacuum Breaker, Wall Hook Hose Connection, Polyvinyl Chloride Hose (T&S B-0675).....	1,463.13	152.64	
22 43 39 00-0018	EA	Pedal Valve Bed Panwasher With Volume Control Valve, Vacuum Breaker, Wall Hook Hose Connection, Extended Spray Polyvinyl Chloride Hose (T&S B-0676).....	1,389.35	152.64	
22 43 39 00-0019	EA	Self Closing Single Pedal Valve Bedpan Washer With Volume Control, Vacuum Breaker, Wall Hook Hose Connection Polyvinyl Chloride Hose (T&S B-0685).....	1,367.49	152.64	
22 43 39 00-0020	EA	Single Pedal Valve Bedpan Washer With Volume Control, Vacuum Breaker, Wall Hook Hose Connection, Polyvinyl Chloride Hose, Extended Spray (T&S B-0686).....	1,346.24	152.64	

22 43 43 Healthcare Plumbing Fixture Flushometers (22 43)

22 43 43 00-0001		Healthcare Plumbing Fixture Flushometers (22 43 43)			
22 43 43 00-0002	EA	Exposed Manual Service Sink Flush Valve (Sloan Royal-117).....	236.76	39.02	
22 43 43 00-0003	EA	Exposed Manual Water Closet Flush Valve With Bedpan Washer (Sloan Slimline BPW).....	515.78	39.02	

22 43 46 Healthcare Patient Care Units (22 43)

22 43 46 00-0001		Patient Care Units (22 43 46)			
22 43 46 00-0002	EA	47" Swivel Toilet Modular Sink And Water Closet Patient Care Unit (Willoughby WH-1700-AQCT-WB-BWSEV).....	20,414.76	228.84	
		For SDB Single Temperature Dialysis Box, Add	1,493.89		
		For DDB Dual Temperature Dialysis Box, Add	1,586.67		
		For BWSEV Bedpan Washer With Elevated Valve, Add	1,154.82		
		For LOCK Flush Valve Lockout Device, Add	842.05		
22 43 46 00-0003	EA	31" Swing Front Cabinet Modular Sink And Water Closet Patient Care Unit (Willoughby WH-2600-SST-DC-AQCT-WB).....	16,083.12	200.24	
		For SDB Single Temperature Dialysis Box, Add	1,493.89		
		For DDB Dual Temperature Dialysis Box, Add	1,586.67		
		For BWSEV Bedpan Washer With Elevated Valve, Add	1,154.82		
		For LOCK Flush Valve Lockout Device, Add	842.05		

22 43 46 00-0004		Patient Care Plumbing Accessories (22 43 46)			
22 43 46 00-0005	EA	One Valve Supply Recessed Stainless Steel Dialysis Box With Locking Door (Bradley 7920).....	1,946.70	31.07	
22 43 46 00-0006	EA	Two Valve Supply Recessed Stainless Steel Dialysis Box With Locking Door (Bradley 7919).....	2,144.80	31.07	

22 45 Emergency Plumbing Fixtures (22 40)**22 45 13 Emergency Showers** (22 45)

22 45 13 00-0001		Emergency Drench Showers (22 45 13)			
22 45 13 00-0002		Emergency Drench Showers (Haws) (22 45 13 00-0001)			
Note: Includes one pull rod.					
22 45 13 00-0003	EA	Horizontal Or Vertical Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8122)	744.19		200.24
22 45 13 00-0004	EA	Horizontal Or Vertical Mounted, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8123)	850.86		200.24
22 45 13 00-0005	EA	Horizontal Mounted, Barrier-Free, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8122HWC)	910.12		200.24
22 45 13 00-0006	EA	Horizontal Or Vertical Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8130)	1,087.91		200.24
22 45 13 00-0007	EA	Horizontal Mounted, All Stainless Steel, Corrosion Resistant, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8133H)	1,455.33		200.24
22 45 13 00-0008	EA	Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8100)	1,156.97		228.84
22 45 13 00-0009	EA	Wall Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Stainless Steel Push Flag (Haws 8111FP)	1,267.52		257.45
22 45 13 00-0010	EA	Flush To Ceiling, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8169)	1,154.92		257.45
22 45 13 00-0011	EA	Concealed Ceiling Supply, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8163)	1,178.62		257.45
22 45 13 00-0012	EA	Flush To Ceiling, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead And Pull Down Lever Ball Valve Mounted In A Recessed Stainless Steel Cabinet (Haws 8164)	1,623.09		257.45

			Plumbing	22	22
			Plumbing Fixtures	22 40	
			Emergency Plumbing Fixtures	22 45	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 45 13 00-0013			Emergency Drench Showers (Speakman) (22 45 13 00-0001) Note: Includes one pull rod.		
22 45 13 00-0014	EA		Vertical Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-220).....	647.74	200.24
22 45 13 00-0015	EA		Horizontal Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-227).....	666.21	200.24
22 45 13 00-0016	EA		Floor Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-253).....	1,033.28	228.84
22 45 13 00-0017			Emergency Drench Showers (WaterSaver) (22 45 13 00-0001) Note: Includes one pull rod.		
22 45 13 00-0018	EA		Emergency Shower, Vertically Mounted (WaterSaver ES635).....	895.44	200.24
22 45 13 00-0019	EA		Emergency Shower, Horizontally Mounted (WaterSaver ES643).....	917.09	200.24
22 45 13 00-0020	EA		All-Stainless Steel, Emergency Shower, Horizontally Mounted (WaterSaver ES691).....	1,977.09	200.24
22 45 13 00-0021	EA		Emergency Shower, Recess Mounted (WaterSaver ES629).....	1,424.98	257.45
22 45 13 00-0022	EA		Emergency Shower, Semi-Concealed (WaterSaver ES658).....	1,914.73	257.45
22 45 16			Eyewash Equipment (22 45)		
22 45 16 00-0001			Emergency Eyewash Equipment (22 45 16)		
22 45 16 00-0002			Emergency Eyewash Equipment (Haws) (22 45 16 00-0001)		
22 45 16 00-0003	EA		Faucet Mounted, Stainless Steel Emergency Eyewash (Haws Axion® eyePOD® 7620).....	319.60	5.72
22 45 16 00-0004	EA		Wall Mounted, Freeze Protected, Emergency Eye Wash With Soft-Flo Heads And Stainless Steel Bowl (Haws 7433FP).....	1,528.27	257.45
22 45 16 00-0005			Emergency Eyewash Equipment (WaterSaver) (22 45 16 00-0001)		
22 45 16 00-0006	EA		Auto Flow, Right Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW805).....	894.37	57.21
22 45 16 00-0007	EA		Auto Flow, Left Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW805LH).....	894.37	57.21
22 45 16 00-0008	EA		Right Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW806).....	910.77	57.21
22 45 16 00-0009	EA		Left Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW806LH).....	910.77	57.21
22 45 16 00-0010	EA		Stainless Steel Bowl, Emergency Eye Wash, Deck Mounted (WaterSaver EW822).....	1,211.85	57.21
22 45 16 00-0011	EA		Swing-Down, Auto Flow, Emergency Eye Wash, Wall Mounted (WaterSaver EW848).....	1,381.46	57.21
22 45 16 00-0012	EA		Swing-Down, Auto Flow, Emergency Eye Wash, Deck Mounted (WaterSaver EW849).....	1,381.46	57.21
22 45 16 00-0013	EA		Right Hand Mounting, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW893).....	2,564.44	57.21
22 45 16 00-0014	EA		Left Hand Mounting, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW893LH).....	2,564.44	57.21
22 45 16 00-0015	EA		Right Hand Mounting, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW895).....	2,683.78	57.21
22 45 16 00-0016	EA		Left Hand Mounting, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW895LH).....	2,683.78	57.21
22 45 16 00-0017	EA		Swing-Down, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Wall Mounted (WaterSaver EW898).....	3,311.82	57.21
22 45 16 00-0018	EA		Swing-Down, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW899).....	3,311.82	57.21
22 45 16 00-0019	EA		Ball Valve With Flag Handle, Emergency Eye Wash, Recess Deck Mounted (WaterSaver EW808).....	1,638.02	200.24
22 45 16 00-0020	EA		Push-Down Valve, Emergency Eye Wash, Recess Deck Mounted (WaterSaver EW810).....	1,614.87	200.24
22 45 16 00-0021	EA		Stainless Steel Bowl, Emergency Eye Wash, Wall Mounted (WaterSaver EW814).....	1,158.60	200.24
22 45 16 00-0022	EA		Stainless Steel Bowl And Cover, Emergency Eye Wash, Wall Mounted (WaterSaver EW814BC).....	1,639.77	200.24
22 45 16 00-0023	EA		Plastic Bowl, Emergency Eye Wash, Wall Mounted (WaterSaver EW814P).....	986.81	200.24
22 45 23			Personal Eyewash Equipment (22 45)		
22 45 23 00-0001			Portable Eyewash Equipment (22 45 23)		
22 45 23 00-0002			Portable Eyewash Equipment (Bradley) (22 45 23 00-0001)		
22 45 23 00-0003	EA		Wall Mounted, Portable Gravity Fed Eyewash Unit With Clear Tank (Bradley S19-921).....	315.11	17.17
22 45 23 00-0004	EA		Wall Mounted, Portable Gravity Fed Eyewash Unit With Insulated Heater Jacket (Bradley S19-921H).....	1,646.08	17.17
22 45 23 00-0005	EA		5 Gallon Portable Pressurized Tank With Eyewash Only (Bradley S19-671).....	750.22	
22 45 23 00-0006	EA		5 Gallon Portable Pressurized Tank With Eyewash And 8' Drench Hose For Facewash (Bradley S19-672).....	894.94	
22 45 26			Eye/Face Wash Equipment (22 45)		
22 45 26 00-0001			Emergency Eye/Face Wash Equipment (22 45 26)		
22 45 26 00-0002			Emergency Eye/Face Wash Equipment (Haws) (22 45 26 00-0001)		
22 45 26 00-0003	EA		Unmounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7460).....	801.63	143.03
			Note: Excludes p-trap and tailpiece.		
22 45 26 00-0004	EA		Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly Without Receptor (Haws 7324).....	809.38	200.24
22 45 26 00-0005	EA		Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7260B-7270B).....	791.60	200.24
			Note: Excludes p-trap and tailpiece.		
22 45 26 00-0006	EA		Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7260BT-7270BT).....	861.53	200.24
			Note: Excludes p-trap and tailpiece.		
22 45 26 00-0007	EA		Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360B-7460B).....	868.64	200.24
			Note: Excludes p-trap and tailpiece.		
22 45 26 00-0008	EA		Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360BT-7460BT).....	952.79	200.24
			Note: Excludes p-trap and tailpiece.		
22 45 26 00-0009	EA		Wall Mounted, Barrier-Free, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360BTWC).....	1,289.40	200.24
22 45 26 00-0010	EA		Wall Mounted, All Stainless Steel, Corrosion Resistant, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl And Dust Cover (Haws 7778B).....	2,415.38	200.24
22 45 26 00-0011	EA		Pedestal Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7261-7271).....	991.04	228.84

22 Plumbing**22 40 Plumbing Fixtures****22 45 Emergency Plumbing Fixtures**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
22 45 26 00-0012	EA	Pedestal Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7361-7461)	1,127.34	228.84	
22 45 26 00-0013	EA	Pedestal Mounted, All Stainless Steel, Corrosion Resistant, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7777)	2,502.22	228.84	
22 45 26 00-0014	EA	Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 7611)	665.56	57.21	
22 45 26 00-0015	EA	Right Side Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Stainless Steel Axion® MSR Wash Head Assembly (Haws 7612)	641.85	57.21	
22 45 26 00-0016	EA	Left Side Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Stainless Steel Axion® MSR Wash Head Assembly (Haws 7612LH)	671.48	57.21	
22 45 26 00-0017	EA	Wall Or Deck Mounted, Barrier-Free, Swing-Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 7610)	843.34	57.21	
22 45 26 00-0018	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet (Haws 7655WCC)	2,065.50	286.05	
22 45 26 00-0019	EA	Surface Wall Mounted, Wheelchair Accessible, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet (Haws 7655WCSM)	2,490.37	228.84	
22 45 26 00-0020	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet And Drain Pan (Haws 7656WCC)	2,563.30	286.05	
22 45 26 00-0021	EA	Surface Wall Mounted, Wheelchair Accessible, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet And Drain Pan (Haws 7656WCSM)	3,000.02	228.84	
22 45 26 00-0022 Emergency Eye/Face Wash Equipment (Speakman) (22 45 26 00-0001)					
22 45 26 00-0023	EA	Wall Mounted, Lifesaver® Emergency Eye/Face Wash And Plastic Bowl (Speakman SE-495)	724.69	200.24	
22 45 26 00-0024	EA	Floor Mounted, DuraJade™ Finish, Lifesaver® Emergency Eye/Face Wash And Plastic Bowl (Speakman SE-496)	885.53	228.84	
22 45 26 00-0025 Emergency Eye/Face Wash Equipment (WaterSaver) (22 45 26 00-0001)					
22 45 26 00-0026	EA	Wide Area, Emergency Eye/Face Wash With Stainless Steel Bowl, Wall Mounted (WaterSaver FE724)	1,460.55	200.24	
22 45 26 00-0027	EA	Wide Area, Emergency Eye/Face Wash With Stainless Steel Bowl And Cover, Wall Mounted (WaterSaver FE724BC)	1,941.72	200.24	
22 45 26 00-0028	EA	Wide Area, Push-Down Valve, Emergency Eye/Face Wash, Recess Deck Mounted (WaterSaver FE727)	1,880.55	200.24	
22 45 26 00-0029	EA	Push-Down Valve, Emergency Eye/Face Wash, Recess Deck Mounted (WaterSaver FE765)	1,734.58	200.24	
22 45 26 00-0030	EA	Auto Flow, Right Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE774)	942.12	57.21	
22 45 26 00-0031	EA	Auto Flow, Left Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE774LH)	942.12	57.21	
22 45 26 00-0032	EA	Right Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE775)	913.64	57.21	
22 45 26 00-0033	EA	Left Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE775LH)	913.64	57.21	
22 45 26 00-0034	EA	Swing-Down, Auto Flow, Emergency Eye/Face Wash, Wall Mounted (WaterSaver FE778)	1,402.86	57.21	
22 45 26 00-0035	EA	Swing-Down, Auto Flow, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE779)	1,402.86	57.21	
22 45 26 00-0036 Emergency Eye/Face Wash Equipment (Guardian) (22 45 26 00-0001)					
Note: Includes one pull rod.					
22 45 26 00-0037	EA	All-Stainless Steel Handicapped Accessible Safety Station With WideArea™ Eye/Face Wash (Guardian GBF1994)	5,745.89	200.24	
22 45 29 Hand-Held Emergency Drench Hoses (22 45)					
22 45 29 00-0001 Hand-Held Emergency Eye/Face/Body Wash With Hose (22 45 29)					
22 45 29 00-0002 Hand-Held Emergency Eye/Face/Body Wash With Hose (Haws) (22 45 29 00-0001)					
22 45 29 00-0003	EA	Counter Mounted, Hand-Held Emergency Eye/Face/Body Wash With Axion® MSR Wash Head Assembly And 8' Hose (Haws 8904)	711.95	71.52	
22 45 29 00-0004	EA	Wall Mounted, Hand-Held Emergency Eye/Face/Body Wash With Axion® MSR Wash Head Assembly And 12' Recoil Hose (Haws 8905)	818.62	71.52	
22 45 29 00-0005 Hand-Held Emergency Eye/Face/Body Wash With Hose (WaterSaver) (22 45 29 00-0001)					
22 45 29 00-0006	EA	Emergency Drench Hose Unit, Deck Mounted (WaterSaver EW1020)	716.87	71.52	
22 45 29 00-0007	EA	Emergency Drench Hose Unit, Wall Mounted (WaterSaver EW1025)	659.72	71.52	
22 45 29 00-0008	EA	Emergency Eye Wash Drench Hose Unit, Wall Mounted (WaterSaver EW1014)	995.95	71.52	
22 45 29 00-0009	EA	Emergency Eye Wash Drench Hose Unit, Deck Mounted (WaterSaver EW1022)	932.35	71.52	
22 45 29 00-0010	EA	Emergency Eye Wash Drench Hose Unit, Wall Mounted (WaterSaver EW1026)	955.13	71.52	
22 45 29 00-0011	EA	Ball Valve With Flag Handle, Emergency Eye Wash Drench Hose Unit, Deck Mounted (WaterSaver EW1028)	1,254.96	71.52	
22 45 29 00-0012	EA	Ball Valve With Flag Handle And Vacuum Breaker, Emergency Eye Wash Drench Hose Unit, Deck Mounted (WaterSaver EW1028VB)	1,454.37	71.52	
22 45 29 00-0013	EA	Emergency Eye Wash Drench Hose Unit, 45 Degree Panel Mounted (WaterSaver EW1041)	1,386.75	71.52	
22 45 33 Combination Emergency Fixture Units (22 45)					
22 45 33 00-0001 Emergency Shower With Eye/Face Wash (22 45 33)					
22 45 33 00-0002 Emergency Shower With Eye/Face Wash (Haws) (22 45 33 00-0001)					
22 45 33 00-0003	EA	Floor Mounted, All Stainless Steel, Corrosion Resistant, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8330)	4,210.56	371.87	
22 45 33 00-0004	EA	Floor Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eyewash With Soft-Flo Heads And Stainless Steel Bowl (Haws 8300FP)	2,859.38	371.87	
Note: Includes freeze protection bury valve.					
22 45 33 00-0005	EA	Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8300-8309)	2,000.08	371.87	
22 45 33 00-0006	EA	Floor Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eyewash With Soft-Flo Heads And Stainless Steel Bowl (Haws 8300.158)	3,167.55	371.87	
22 45 33 00-0007	EA	Floor Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8300CRP-8309CRP)	2,331.95	371.87	

		Plumbing	22	22
		Plumbing Fixtures	22 40	
		Emergency Plumbing Fixtures	22 45	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 33 00-0008	EA		Floor Mounted, Barrier-Free, Emergency Drench Shower With Axiom® MSR ABS Plastic Showerhead And Eye/Face Wash With Axiom® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8309WC)	2,195.65	371.87
22 45 33 00-0009	EA		Floor Mounted, Emergency Drench Shower With Axiom® MSR ABS Plastic Showerhead And Eye/Face Wash With Axiom® MSR Wash Head Assembly (Haws 8317)	1,881.56	371.87
22 45 33 00-0010	EA		Floor Mounted, Corrosion Resistant, PVC Plastic, Emergency Drench Shower With Axiom® MSR ABS Plastic Showerhead And Eye/Face Wash With Axiom® MSR Wash Head Assembly And Plastic Bowl (Haws 8336)	3,060.87	371.87
22 45 33 00-0011	EA		Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axiom® MSR Wash Head Assembly With Stainless Steel Cabinet And Ceiling Mounted Axiom® MSR Stainless Steel Showerhead (Haws 8355WCC)	3,351.26	371.87
22 45 33 00-0012	EA		Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axiom® MSR Wash Head Assembly With Stainless Steel Cabinet And Wall Mounted Axiom® MSR Stainless Steel Showerhead (Haws 8355WCW)	3,416.45	371.87
22 45 33 00-0013	EA		Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axiom® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan And Ceiling Mounted Axiom® MSR Stainless Steel Showerhead (Haws 8356WCC)	3,813.50	371.87
22 45 33 00-0014	EA		Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axiom® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan, Daylight Drain And Wall Mounted Axiom® MSR Stainless Steel Showerhead (Haws 8356WCDD)	4,044.62	371.87
22 45 33 00-0015	EA		Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axiom® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan And Wall Mounted Axiom® MSR Stainless Steel Showerhead (Haws 8356WCW)	3,979.44	371.87
22 45 33 00-0016	EA		Floor Mounted, 120 Volt AC Cable Heated, Freeze Protected, Emergency Drench Shower With Axiom® MSR ABS Plastic Showerhead And Eye/Face Wash With Axiom® MSR Wash Head Assembly (Haws 8317CTFP)	5,935.08	371.87
22 45 33 00-0017	EA		Floor Mounted, 220 Volt AC Cable Heated, Freeze Protected, Emergency Drench Shower With Axiom® MSR ABS Plastic Showerhead And Eye/Face Wash With Axiom® MSR Wash Head Assembly (Haws 8317CTFP.220V)	6,255.10	371.87
22 45 33 00-0018	EA		Floor Mounted, C1D1 Rated, 120 Volt AC Cable Heated, Freeze Protected, Emergency Drench Shower With Axiom® MSR ABS Plastic Showerhead And Eye/Face Wash With Axiom® MSR Wash Head Assembly (Haws 8317CTFPC1D1)	13,188.75	371.87
22 45 33 00-0019	EA		Floor Mounted, Emergency Drench Shower With Axiom® MSR ABS Plastic Showerhead And Eye/Face Wash With Axiom® MSR Wash Head Assembly And Plastic Bowl (Haws 8320-8325)	1,881.56	371.87
22 45 33 00-0020	EA		Floor Mounted, Corrosion Resistant, Emergency Drench Shower With Axiom® MSR ABS Plastic Showerhead And Eye/Face Wash With Axiom® MSR Wash Head Assembly And Plastic Bowl (Haws 8320CRP)	2,124.53	371.87
22 45 33 00-0021			Emergency Shower With Eye/Face Wash (Speakman) (22 45 33 00-0001)		
22 45 33 00-0022	EA		Floor Mounted, Emergency Drench Shower With Plastic Showerhead And Eye/Face Wash With Plastic Bowl (Speakman SE-690)	1,741.93	371.87
22 45 33 00-0023			Emergency Shower With Eye/Face Wash (WaterSaver) (22 45 33 00-0001)		
22 45 33 00-0024	EA		All-Stainless Steel, Wide Area, Emergency Shower With Eye/Face Wash Station, Floor Mounted (WaterSaver SS994)	6,580.23	310.65
22 45 33 00-0025	EA		Polished Chrome Construction, Wide Area, Emergency Shower With Eye/Face Wash Station, Floor Mounted (WaterSaver SS909PCC)	6,725.24	310.65
22 45 33 00-0026	EA		Emergency Shower With Eye Wash Station And Stainless Steel Bowl, Floor Mounted (WaterSaver SS902)	2,638.41	310.65
22 45 33 00-0027	EA		Emergency Shower With Eye Wash Station And Plastic Bowl, Floor Mounted (WaterSaver SS902P)	2,412.80	310.65
22 45 33 00-0028	EA		Emergency Shower With Eye Wash Station And Stainless Steel Bowl And Cover, Floor Mounted (WaterSaver SS902BC)	3,119.58	310.65
22 45 36			Emergency Fixture Water-Tempering Equipment (22 45)		
22 45 36 00-0001			Emergency Fixture Water-Tempering Equipment (22 45 36)		
22 45 36 00-0002			Emergency Fixture Water-Tempering Equipment (Haws) (22 45 36 00-0001)		
22 45 36 00-0003	EA		10 GPM, 1/2" Inlet, 1/2" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201EW)	753.43	71.52
22 45 36 00-0004	EA		12 GPM, 1/2" Inlet, 3/4" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201EFE)	1,103.07	71.52
22 45 36 00-0005	EA		31 GPM, 1-1/4" Inlet, 1-1/4" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201E)	1,618.65	71.52
22 45 36 00-0006	EA		78 GPM, 1-1/4" Inlet, 1-1/4" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9202E)	1,909.04	71.52
22 45 36 00-0007	EA		31 GPM, 1" Inlet, 1-1/4" Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws 9201H)	2,703.15	71.52
22 45 36 00-0008	EA		12 GPM, 1/2" Inlet, 3/4" Outlet, Secondary High Temperature Limit Valve, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.EWE)	2,851.30	71.52
22 45 36 00-0009	EA		74 GPM, 1-1/4" Inlet, 1-1/4" Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.SHE)	4,789.17	71.52
22 45 36 00-0010	EA		78 GPM, 2" Inlet, 2" Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.HF)	5,755.14	71.52
22 45 36 00-0011	EA		1/2" Inlet, 1/2" Outlet, Brass Scald Protection Bleed Valve (Haws SP157B)	842.32	71.52
22 45 39			Emergency Plumbing Fixture Accessories (22 45)		
22 45 39 00-0001			Emergency Plumbing Fixture Accessories (22 45 39)		
22 45 39 00-0002			Emergency Plumbing Fixture Accessories (Haws) (22 45 39 00-0001)		
22 45 39 00-0003	EA		Pedestal Mounted, Powder Coated Aluminum Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220)	193.93	22.89
22 45 39 00-0004	EA		Wall Mounted, Powder Coated Aluminum Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220W)	270.97	22.89
22 45 39 00-0005	EA		Pedestal Mounted, Stainless Steel Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220SS)	282.82	22.89
22 45 39 00-0006	EA		Axiom® MSR Stainless Steel Showerhead For Emergency Drench Showers (Haws SP829SS)	313.48	8.58
22 45 39 00-0007	EA		Stainless Steel Dust Cover For Emergency Eye/Face Wash Bowls (Haws 9102)	319.60	5.72
22 45 39 00-0008	EA		3-Sided ABS Plastic Safety Sign For Emergency Combination Shower And Eyewash Units (Haws 9020)	348.83	11.44
22 45 39 00-0009	EA		Emergency Body Spray Kit With 8' Hose And ABS Plastic Head For Emergency Plumbing Fixtures (Haws 8901RFK)	616.09	85.82
22 45 39 00-0010	EA		Class 1, Div. 1, Group B, C And D, Indicator Light For Emergency Plumbing Fixtures (Haws 8317IDLTEXP)	627.60	35.27
22 45 39 00-0011	EA		Vapor Tight And Gasketed, Green Area Light For Emergency Plumbing Fixtures (Haws 8317LT)	935.77	35.27

22 Plumbing**22 40 Plumbing Fixtures****22 45 Emergency Plumbing Fixtures**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
22 45 39 00-0012	EA	Privacy Curtain For Horizontal Emergency Drench Shower Or Combination Emergency Drench Shower And Eyewash Units (Haws 9037).....	1,103.07	85.82	
22 45 39 00-0013	EA	Class 1, Div. 1, Group B, C And D, White Area Light For Emergency Plumbing Fixtures (Haws 8317LTEXP).....	2,091.37	35.27	
22 45 39 00-0014	EA	1/2" Supply, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001.5).....	2,309.31	117.57	
22 45 39 00-0015	EA	1-1/4" Supply, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001).....	2,356.72	117.57	
22 45 39 00-0016	EA	1-1/4" Supply, Class 1, Division 2, Groups B, C, And D Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001EXP).....	4,383.48	117.57	
22 45 39 00-0017	EA	1-1/4" Supply, 90 db, Class 1, Division 1, Groups C And D, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001EXPC1D1).....	8,354.03	117.57	
22 45 39 00-0018		Emergency Plumbing Fixture Accessories (Speakman) (22 45 39 00-0001)			
22 45 39 00-0019	EA	Privacy Curtain For Emergency Showers Note: Curtain includes stainless steel curtain rod and mounting accessories.	1,105.43	85.82	
22 45 39 00-0020		Emergency Plumbing Fixture Accessories (WaterSaver) (22 45 39 00-0001)			
22 45 39 00-0021	EA	Hand And Foot Control For Emergency Eyewash Equipment (WaterSaver HFC).....	189.97	18.64	
22 47 Drinking Fountains and Water Coolers (22 40)					
22 47 13 Drinking Fountains (22 47)					
22 47 13 00-0001		Indoor Drinking Fountains (22 47 13)			
22 47 13 00-0002		Face Mounted Indoor Drinking Fountain (22 47 13 00-0001)			
22 47 13 00-0003	EA	Stainless Steel, Standard Length, Semi-Circular Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-S).....	2,094.13	185.94	
22 47 13 00-0004	EA	Stainless Steel, Standard Length, Semi-Circular With Back Panel Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-SBP).....	3,057.34	200.24	
22 47 13 00-0005	EA	Stainless Steel, Extended Length, Semi-Circular Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-E).....	2,765.95	185.94	
22 47 13 00-0006	EA	Stainless Steel, Extended Length, Semi-Circular With Back Panel Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-EBP).....	3,299.30	200.24	
22 47 13 00-0007	EA	Stainless Steel, Standard Length, Rectangle Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRFS).....	1,396.93	185.94	
22 47 13 00-0008	EA	Stainless Steel, Standard Length, Rectangle With Back Panel Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners With Back Panel (Halsey-Taylor HRFSBP).....	1,672.76	200.24	
22 47 13 00-0009	EA	Stainless Steel, Extended Length, Rectangle Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRFE).....	1,582.80	185.94	
22 47 13 00-0010	EA	Stainless Steel, Extended Length, Rectangle With Back Panel Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRFEBP).....	1,923.98	200.24	
22 47 13 00-0011		Wall Mounted Indoor Drinking Fountain (22 47 13 00-0001)			
22 47 13 00-0012	EA	Stainless Steel Wall-Mounted Rectangle Indoor Drinking Fountain With Bubbler, Backsplash, Front And Side Push Bars (Halsey-Taylor 5701).....	1,437.20	200.24	
22 47 13 00-0013	EA	Stainless Steel Wall-Mounted Rectangle Indoor Drinking Fountain/Bottle Filling Station With Bubbler, Backsplash, Front And Side Push Bars (Halsey-Taylor HTHB-HAC8WF).....	2,215.71	200.24	
22 47 13 00-0014	EA	Bi-Level, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountains (Halsey-Taylor HTHB-HAC8BLWF).....	2,808.15	257.45	
22 47 13 00-0015	EA	Bi-Level, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountains (Elkay VRCGRNTL8WSK).....	3,775.26	257.45	
22 47 13 00-0016	EA	Bi-Level, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountains (Elkay EZSTLG8WSLK).....	3,244.30	257.45	
22 47 13 00-0017	EA	Bi-Level, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountains (Elkay LZSTL8WSSP).....	2,951.69	257.45	
22 47 13 00-0018	EA	White Vitreous China Wall-Mounted Indoor Drinking Fountain (Haws 1201).....	1,445.39	200.24	
22 47 13 00-0019	EA	White Enameled Iron Wall-Mounted Indoor Drinking Fountain (Haws 1311 And 6700).....	2,225.11	200.24	
22 47 13 00-0020	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay LVRC8WSK).....	3,332.15	200.24	
22 47 13 00-0021	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Non-Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay VRC8WSK).....	3,218.37	200.24	
22 47 13 00-0022	EA	Stainless Steel Wall-Mounted Indoor Hands-Free Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay LVRC8WSK).....	3,079.31	200.24	
22 47 13 00-0023	EA	Stainless Steel Wall-Mounted Indoor Hands-Free Non-Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay VRC8WSK).....	2,952.89	200.24	
22 47 13 00-0024	EA	Stainless Steel Wall-Mounted High-Efficiency Indoor Chilled Hands-Free Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay LVRCGRN8WSK).....	2,687.41	200.24	
22 47 13 00-0025	EA	Stainless Steel Wall-Mounted High-Efficiency Indoor Chilled Hands-Free Non-Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay VRCGRN8WSK).....	2,573.63	200.24	
22 47 13 00-0026	EA	Stainless Steel Wall-Mounted High-Efficiency Indoor Chilled Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LZSG8WSSK).....	2,447.21	200.24	
22 47 13 00-0027	EA	Stainless Steel Wall-Mounted Indoor Chilled Filtered Bottle Filling Station With Hands-Free Touchless Sensor Drinking Fountain (Elkay LZO8WSSK).....	2,447.21	200.24	
22 47 13 00-0028	EA	Stainless Steel Wall-Mounted Indoor Chilled Non-Filtered Bottle Filling Station With Hands-Free Fountain (Elkay EZO8WSSK).....	2,333.43	200.24	
22 47 13 00-0029	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Bottle Filling Station With Drinking Fountain (Elkay EZSG8WSSK).....	2,333.43	200.24	
22 47 13 00-0030	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LMABF8WSSK).....	2,282.86	200.24	
22 47 13 00-0031	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay LZS8WSVRSK).....	2,282.86	200.24	
22 47 13 00-0032	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Non-Filtered Bottle Filling Station With Drinking Fountain (Elkay EMABF8WSSK).....	2,169.09	200.24	
22 47 13 00-0033	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LZS8WSSK).....	2,105.88	200.24	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 47 13 00-0034	EA		Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LZS8WSSP).....	2,017.38	200.24
22 47 13 00-0035	EA		Stainless Steel Wall-Mounted Indoor Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LZSDWSSK).....	1,979.46	200.24
22 47 13 00-0036	EA		Stainless Steel Wall-Mounted Indoor Hands-Free Non-Filtered Bottle Filling Station With Drinking Fountain (Elkay EMABFDWSLK).....	1,853.04	200.24
22 47 13 00-0037	EA		Vinyl Clad Cabinet, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountain (Elkay EMABF8WSLK).....	2,105.88	200.24
22 47 13 00-0038	EA		Vinyl Clad Cabinet, Non-Chilled, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountain (Elkay EMABFDWSLK).....	1,853.04	200.24
22 47 13 00-0039	EA		Vinyl Clad Cabinet, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountain (Elkay LZS8WSLK).....	1,964.47	200.24
22 47 13 00-0040	EA		Vinyl Clad Cabinet, Stainless Steel Wall-Mounted Indoor, Bottle Filling Station With Drinking Fountain (Elkay LZS8WSLP).....	1,966.81	200.24
22 47 13 00-0041	EA		Surface Mounted, Stainless Steel, Filtered Non-Refrigerated, Bottle Filling Station Kit (Elkay LWSSM).....	1,624.84	143.03
22 47 13 00-0042	EA		Wall Mounted, Non-Filtered Non-Refrigerated, Retrofit Bottle Filling Station Kit (Elkay EMABFWS-RF).....	1,220.29	143.03
22 47 13 00-0043 Semi-Recessed Indoor Drinking Fountain (22 47 13 00-0001)					
22 47 13 00-0044	EA		Stainless Steel Semi-Recessed Indoor Drinking Fountain With Bubbler (Halsey-Taylor 5801).....	1,936.22	214.54
22 47 13 00-0045	EA		Stainless Steel Semi-Recessed Indoor Drinking Fountain With Bubbler And Cuspidor (Halsey-Taylor 5801C).....	4,179.44	214.54
22 47 13 00-0046 Fully Recessed Indoor Drinking Fountain (22 47 13 00-0001)					
22 47 13 00-0047	EA		Stainless Steel Fully-Recessed, With Bubbler, Indoor Drinking Fountain (Halsey-Taylor 8880, Haws 2400).....	2,071.09	228.84
22 47 13 00-0048	EA		Stainless Steel Fully-Recessed, With Bubbler And Cuspidor, Indoor Drinking Fountain (Halsey-Taylor 8800 With 10245, Haws 2403).....	3,792.06	228.84
22 47 13 00-0049	EA		Stainless Steel Fully-Recessed Indoor Drinking Fountain With Bubbler, Barrier Free (Haws 2401).....	2,518.18	228.84
22 47 13 00-0050	EA		Stainless Steel Fully-Recessed Indoor Drinking Fountain With Bubbler, Barrier Free (Haws 2406).....	5,703.52	228.84
22 47 13 00-0051	EA		Stainless Steel Fully-Recessed Indoor Drinking Fountain With Bubbler (Haws 2403).....	3,878.88	228.84
22 47 13 00-0052 Countertop Indoor Drinking Fountain (22 47 13 00-0001)					
22 47 13 00-0053	EA		Stainless Steel Countertop Circular Indoor Drinking Fountain Basin With Pushbutton Bubbler (Halsey-Taylor 10000).....	854.95	143.03
22 47 13 00-0054	EA		Stainless Steel Countertop Rectangular Indoor Drinking Fountain Basin With Pushbutton Bubbler (Halsey-Taylor 6000).....	822.56	143.03
22 47 13 00-0055	EA		Stainless Steel Countertop Oval Indoor Drinking Fountain Basin With Pushbutton Bubbler (Halsey-Taylor 6028).....	1,000.10	143.03
22 47 13 00-0056 Bowl And Bracket Indoor Drinking Fountain (22 47 13 00-0001)					
22 47 13 00-0057	EA		Stainless Steel, Bowl And Bracket With Pushbutton Bubbler, Indoor Drinking Fountain (Halsey-Taylor 2501A).....	720.18	143.03
22 47 13 00-0058	EA		Stainless Steel, Bowl And Bracket, Self Closing Lever Handle Stop, Indoor Drinking Fountain (Halsey-Taylor 4540).....	870.68	143.03
22 47 13 00-0059 Multi-Station Indoor Drinking Fountain (22 47 13 00-0001)					
22 47 13 00-0060	EA		Two Station, Stainless Steel, Indoor Drinking Fountains With Bubbler And Built In Backsplash, With Bottom Cover Plate (Halsey-Taylor 7020).....	3,941.09	228.84
22 47 13 00-0061	EA		Three Station, Stainless Steel, Indoor Drinking Fountains With Bubbler And Built In Backsplash, With Bottom Cover Plate (Halsey-Taylor 7030).....	4,962.21	228.84
22 47 13 00-0062	EA		Two Station, Marblyte, Face-Mounted Indoor Drinking Fountain With Bubblers (Halsey-Taylor 7120).....	3,758.22	228.84
22 47 13 00-0063	EA		Two Station, White Enameled Iron Indoor Drinking Fountains With Bubblers (Haws 1430).....	3,166.13	228.84
22 47 13 00-0064	EA		Three Station, White Enameled Iron Indoor Drinking Fountains With Bubblers (Haws 1435).....	3,992.92	228.84
22 47 13 00-0065	EA		Two Station, White Enameled Iron Indoor Drinking Fountains With Bubblers (Haws 1431).....	3,285.87	228.84
22 47 13 00-0066	EA		Two Station, White Enameled Iron Indoor Drinking Fountains With Bubblers (Haws 1501).....	3,348.86	228.84
22 47 13 00-0067	EA		White Enameled Iron, Dual Height, Drinking Fountain (Haws 1501 with 6715).....	3,866.50	291.91
22 47 13 00-0068	EA		Bi-Level, Stainless Steel, Indoor Drinking Fountain With Bubblers And Back Panel (Halsey-Taylor HRFSEBP, Haws 1119.14 With 6700.4).....	3,469.05	291.91
22 47 13 00-0069	EA		Two Station, Cast Aluminum Indoor Drinking Fountains With Bubblers (Haws 1441).....	5,592.24	228.84
22 47 13 00-0070	EA		Three Station, Cast Aluminum Indoor Drinking Fountains With Bubblers (Haws 1408).....	5,493.31	228.84
22 47 13 00-0071 Drinking Fountain Retro Kit (22 47 13 00-0001)					
22 47 13 00-0072	EA		Stainless Steel Drinking Fountain Retro Kit (Acorn 2990-082-001).....	753.58	143.03
22 47 13 00-0073 Outdoor Drinking Fountains (22 47 13)					
22 47 13 00-0074 Face Mounted Outdoor Drinking Fountains (22 47 13 00-0073)					
22 47 13 00-0075	EA		Stainless Steel Freeze Resistant Face Mounted Outdoor Drinking Fountain With Bubbler (Halsey-Taylor HRFE-FR).....	1,805.22	228.84
22 47 13 00-0076	EA		Stainless Steel Freeze Resistant Face Mounted, With Back Panel, Outdoor Drinking Fountain With Bubbler (Halsey-Taylor HRFEBP-FR).....	1,981.19	228.84
22 47 13 00-0077	EA		Stone Aggregate Weather Resistant Face Mounted Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4592).....	1,904.78	228.84
22 47 13 00-0078	EA		Stone Aggregate Freeze Resistant Face Mounted Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4592-FR).....	2,805.45	228.84
22 47 13 00-0079 Free Standing Outdoor Drinking Fountains (22 47 13 00-0073)					
22 47 13 00-0080	EA		Steel Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4715).....	3,450.60	214.54
22 47 13 00-0081	EA		Steel Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4715-FR).....	4,854.87	214.54
22 47 13 00-0082	EA		Steel Barrier-Free Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4710).....	3,445.94	214.54
22 47 13 00-0083	EA		Steel Barrier-Free Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4710-FR).....	4,765.17	214.54
22 47 13 00-0084	EA		Steel Barrier-Free Bi-level Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4720).....	5,137.02	228.84

22	22	Plumbing
	22 40	Plumbing Fixtures
	22 47	Drinking Fountains and Water Coolers



		MINOR			TOTAL DIRECT	DEMOLITION
		CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
	22 47 13 00-0085	EA		Steel Barrier-Free Bi-level Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4720-FR)	5,230.79	228.84
	22 47 13 00-0086	EA		Stone Aggregate Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4591)	1,931.73	214.54
	22 47 13 00-0087	EA		Stone Aggregate Barrier-Free Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4590)	3,348.73	214.54
	22 47 13 00-0088	EA		Stone Aggregate Barrier-Free Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4590-FR)	4,752.99	214.54
	22 47 13 00-0089	EA		Stone Aggregate Barrier-Free Bi-level Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4595)	5,596.62	228.84
	22 47 13 00-0090	EA		Stone Aggregate Barrier-Free Bi-level Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4595-FR)	7,863.36	228.84
	22 47 13 00-0091			Multi-Station Outdoor Drinking Fountains (22 47 13 00-0073)		
	22 47 13 00-0092	EA		White Cast Aluminum Three Station Outdoor Drinking Fountains With Bubblers (Haws 1408)	3,836.12	228.84
	22 47 16			Pressure Water Coolers (22 47)		
	22 47 16 00-0001			Indoor Water Coolers (22 47 16)		
	22 47 16 00-0002			Face Mounted Indoor Water Coolers (22 47 16 00-0001)		
	22 47 16 00-0003	EA		Stainless Steel, Semi-Circular Water Cooler With Bubbler, Face-Mounted, Extended Length, 180 Degree Push Bar, 7.5 GPH (Halsey-Taylor OVL-II ER-Q)	3,959.66	228.84
	22 47 16 00-0004	EA		Stainless Steel, Semi-Circular Water Cooler, Electronic Sensor, Face-Mounted, Extended Length, With Bubbler, 7.5 GPH (Halsey-Taylor OVL-II EREE-Q)	4,229.40	228.84
	22 47 16 00-0005			Wall Mounted Indoor Water Coolers (22 47 16 00-0001)		
	22 47 16 00-0006	EA		Stainless Steel Wall-Mounted Compact Water Cooler, 4 GPH, With Bubbler, (Halsey-Taylor SW4A-Q)	1,870.05	228.84
	22 47 16 00-0007	EA		Stainless Steel Wall-Mounted Compact Water Cooler, 8 GPH, With Bubbler (Halsey-Taylor SW8A-Q)	1,939.51	228.84
	22 47 16 00-0008	EA		Stainless Steel Wall-Mounted Compact Water Cooler, 14 GPH, With Bubbler (Halsey-Taylor SW14A-Q)	2,157.15	228.84
	22 47 16 00-0009	EA		Stainless Steel Wall-Mounted Vandal Resistant Compact Water Cooler With Bubbler, 8 GPH (Halsey-Taylor SW8A-VR-Q-SS)	2,240.51	228.84
	22 47 16 00-0010	EA		Stainless Steel Wall-Mounted Vandal Resistant Barrier Free Water Cooler With Bubbler, 8 GPH (Halsey-Taylor HVR8-CHILD ADA)	1,652.41	228.84
	22 47 16 00-0011	EA		Stainless Steel Wall-Mounted Barrier Free Water Cooler With Bubbler, Front And Side Pushbar, 8 GPH (Halsey-Taylor WC8AFS-Q-SS)	1,918.67	228.84
	22 47 16 00-0012	EA		Stainless Steel Wall-Mounted Barrier Free Water Cooler With Bubbler, Front And Side Pushbar, 8 GPH (Halsey-Taylor HAC8FS-Q Child SS)	1,503.06	228.84
	22 47 16 00-0013	EA		Stainless Steel Wall-Mounted Water Cooler, 8 GPH, With Bubbler, (Halsey-Taylor HAC8VR-BL)	2,275.61	228.84
	22 47 16 00-0014	EA		Stainless Steel Wall-Mounted Water Cooler With Bubbler, 8 GPH (Elkay EZS Single Level)	1,386.02	228.84
	22 47 16 00-0015	EA		Stainless Steel, Wall Mounted, Barrier Free, Bi-Level Indoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HAC8FSBL-Q-SS)	2,524.92	343.26
	22 47 16 00-0016			Simulated Recessed Indoor Water Coolers (22 47 16 00-0001)		
	22 47 16 00-0017	EA		Stainless Steel Simulated Recessed Water Cooler With Bubbler, 8 GPH (Halsey-Taylor RWM8A-Q)	2,235.67	228.84
	22 47 16 00-0018			Fully Recessed Indoor Water Coolers (22 47 16 00-0001)		
	22 47 16 00-0019	EA		Stainless Steel Fully-Recessed Water Cooler With Bubbler, 8 GPH (Halsey-Taylor RC8A-Q)	4,366.45	257.45
	22 47 16 00-0020	EA		Stainless Steel Fully-Recessed Water Cooler With Bubbler And Cup Dispenser, 8 GPH (Halsey-Taylor RC8AQ + 14762)	5,340.82	257.45
	22 47 16 00-0021	EA		Stainless Steel Fully-Recessed Water Cooler With Bubbler And Cup Dispenser And Glass Filler, 8 GPH (Halsey-Taylor RC8A-Q-14700)	6,257.03	257.45
	22 47 16 00-0022			Free Standing Indoor Water Coolers (22 47 16 00-0001)		
	22 47 16 00-0023	EA		Stainless Steel, Free-Standing Indoor Water Cooler, 4 GPH, With Bubbler (Halsey-Taylor SCWT4A-Q)	1,804.73	200.24
	22 47 16 00-0024	EA		Stainless Steel, Free-Standing Indoor Water Cooler, 8 GPH, With Bubbler (Halsey-Taylor SCWT8A-Q)	1,940.17	200.24
	22 47 16 00-0025	EA		Stainless Steel, Free-Standing Indoor Water Cooler, 14 GPH, With Bubbler (Halsey-Taylor SCWT14A-Q)	2,205.28	200.24
	22 47 16 00-0026	EA		Stainless Steel, Free-Standing Vandal Resistant Water Cooler With Bubbler, 14 GPH (Halsey-Taylor SCWT14A-VR-Q)	2,456.50	200.24
	22 47 16 00-0027			Bottled Water Coolers (22 47 16 00-0001)		
	22 47 16 00-0028	EA		Free-Standing Bottled Water Cooler With Chilled Or Room Temperature Water	619.34	114.42
	22 47 16 00-0029	EA		Free-Standing Bottled Water Cooler With Chilled Or Hot Water	743.75	114.42
	22 47 16 00-0030			Multi-Station Indoor Water Coolers (22 47 16 00-0001)		
	22 47 16 00-0031	EA		Stainless Steel, Wall Mounted, Two Station, Semi-Circular Indoor Water Cooler With Bubblers, 180 Degree Push Bars, 7.5 GPH (Halsey-Taylor OVL-II SER-Q)	5,223.78	343.26
	22 47 16 00-0032	EA		Stainless Steel, Wall Mounted, Two Station, Electronic Sensor Semicircular Indoor Water Cooler With Bubblers, 180 Degree Push Bars, 7.5 GPH (Halsey-Taylor OVL-II-SEREE-Q)	6,003.73	343.26
	22 47 16 00-0033	EA		Stainless Steel, Wall Mounted, Barrier Free, Bi-Level, Vandal Resistant Indoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HVR8BL-CHILD ADA-SS)	2,741.40	343.26
	22 47 16 00-0034	EA		Stainless Steel Wall-Mounted, Bi-level, Water Cooler With Bubbler, 8 GPH (Elkay EZSTL8C Two Level)	1,671.32	343.26
	22 47 16 00-0035			Outdoor Water Coolers (22 47 16)		
	22 47 16 00-0036			Wall Mounted Outdoor Water Coolers (22 47 16 00-0035)		
	22 47 16 00-0037	EA		Stainless Steel, Wall Mounted, Barrier Free, Vandal Resistant, Frost Resistant Outdoor Water Cooler With Bubbler, 8 GPH (Halsey-Taylor HVR8FR-CHILD ADA-SS)	1,951.29	143.03
	22 47 16 00-0038	EA		Stainless Steel, Wall Mounted, Barrier Free, Bi-Level, Vandal Resistant Outdoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HVR8BLFR-CHILD ADA-SS)	3,370.11	143.03

		Plumbing	22	22
		Plumbing Fixtures	22 40	
		Drinking Fountains and Water Coolers	22 47	
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
		UNIT COST	UNIT COST	

22 47 16 00-0039	Free Standing Outdoor Water Coolers (22 47 16 00-0035)		
22 47 16 00-0040	EA Stainless Steel Free-Standing Outdoor Water Cooler With Bubbler, 14 GPH (Halsey-Taylor HOF14A-Q).....	3,222.54	214.54
22 47 16 00-0041	EA Stainless Steel Free-Standing Frost Resistant Outdoor Water Cooler With Bubbler, 14 GPH (Halsey-Taylor HOF14A-FR-Q).....	3,870.84	214.54

22 47 16 00-0042	Removal And Reinstallation Of Fixtures And Trim (22 47 16)		
Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.			
22 47 16 00-0043	EA Removal And Reinstallation Of Wall Hung Water Cooler	555.17	
22 47 16 00-0044	EA Removal And Reinstallation Of Floor Mount Water Cooler.....	124.26	

22 47 19 Water-Station Water Coolers (22 47)

22 47 19 00-0001	Bottle Filler (22 47 19)		
22 47 19 00-0002	EA Outdoor Tubular Bottle Filling Station, Surface Mount (Elkay LK4410BF).....	4,324.87	228.84
	For Stainless Steel Carrier, Add	205.00	
22 47 19 00-0003	EA Outdoor Tubular Bottle Filling Station, Surface Mount, Freeze Resistant (Elkay LK4410BFFRK).....	5,926.14	228.84
	For Stainless Steel Carrier, Add	205.00	
22 47 19 00-0004	EA Tri-level Outdoor Tubular Bottle Filling Station With Single Bottle Filler And Two Drinking Fountain Basins, Surface Mount (Elkay LK4430BF1).....	7,613.57	257.45
	For Stainless Steel Carrier, Add	205.00	
22 47 19 00-0005	EA Tri-level Outdoor Tubular Bottle Filling Station With Two Bottle Fillers And Single Drinking Fountain Basin, Surface Mount (Elkay LK4430BF2).....	8,230.30	257.45
	For Stainless Steel Carrier, Add	205.00	
22 47 19 00-0006	EA Tri-level Outdoor Tubular Bottle Filling Station With Three Bottle Fillers, Surface Mount (Elkay LK4430BF3).....	8,847.03	257.45
	For Stainless Steel Carrier, Add	205.00	

22 47 19 00-0007	Indoor Bottle Filling Station (22 47 19)		
22 47 19 00-0008	EA Indoor Bottle Filling Station With Chiller, Recessed Mount (Halsey Taylor HTHB-8).....	3,151.92	228.84
22 47 19 00-0009	EA Indoor Bottle Filling Station Without Chiller, Recessed Mount (Halsey Taylor HTHB-LR).....	2,161.57	228.84
22 47 19 00-0010	EA Indoor Bottle Filling Station, Surface Mount (Halsey Taylor HTHBSM-WF).....	1,738.49	228.84
22 47 19 00-0011	EA Surface Mount, Battery Powered, Non-Filtered, Non-Refrigerated, Stainless Steel Botter Filling Station (Elkay EMASMB).....	1,670.05	228.84

22 47 23 Remote Water Coolers (22 47)

22 47 23 00-0001	Remote Chillers (22 47 23)		
22 47 23 00-0002	EA 1.5 GPH Remote Chiller (Halsey-Taylor SJ1-Q).....	1,124.60	77.24
22 47 23 00-0003	EA 5 GPH Remote Chiller (Halsey-Taylor SJ5-Q).....	1,713.66	85.82
22 47 23 00-0004	EA 8 GPH Remote Chiller (Halsey-Taylor SJ8-Q).....	1,469.06	100.12
22 47 23 00-0005	EA 10 GPH Remote Chiller (Halsey-Taylor SJ10-Q).....	1,892.43	114.42
22 47 23 00-0006	EA 19 GPH Remote Chiller (Halsey-Taylor SJ19-Q).....	2,965.41	171.63
22 47 23 00-0007	EA 30 GPH Remote Chiller (Halsey-Taylor SJ30-Q).....	3,215.12	185.94

22 47 26 Fixture Carriers (22 47)

22 47 26 00-0001	Water Cooler Carriers (22 47 26)		
22 47 26 00-0002	Floor Mounted, Water Cooler Carriers (22 47 26 00-0001)		
Note: Includes adjustable supporting rods, structural uprights and welded feet.			
22 47 26 00-0003	EA Floor Mounted Hanger Plate Type, Single Water Cooler Carrier.....	605.40	43.48
	For Up To 4" Extension Sleeves And Hardware, Add	29.99	
	For Bi-Level Carrier, Add	336.90	
22 47 26 00-0004	EA Floor Mounted Bearing Plate Type, Single Water Cooler Carrier.....	654.04	43.48
	For Up To 4" Extension Sleeves And Hardware, Add	29.99	
	For Bi-Level Carrier, Add	336.90	

22 50 Pool and Fountain Plumbing Systems (22)

22 51 Swimming Pool Plumbing Systems (22 50)

22 51 13 Swimming Pool Piping (22 51)

22 51 13 00-0001	Swimming Pool Gutters (22 51 13)		
22 51 13 00-0002	LF Swimming Pool Gutters, Stainless.....	280.66	25.75

22 51 13 00-0003 Pool Drains (22 51 13)

22 51 13 00-0004	Cast Iron Pool Drain With Bottom Outlet (22 51 13 00-0003)		
Note: Large square top and 24" loose set round super-flo grate.			
22 51 13 00-0005	EA Cast Iron Pool Drain, 4" - 8" Bottom Outlet, Large Square Top And 24" Super-Flo Grate.....	2,471.02	72.08
	For Polished Bronze Top, Add	769.60	
	For Chromium Plated Top, Add	805.00	
	For Galvanized Top, Add	276.40	
	For Vandal Proof Construction, Add	57.20	

22 51 13 00-0006	Cast Iron Pool Drain With Waterproof Flange (22 51 13 00-0003)		
Note: Bottom outlet 14" square top and loose set square flange.			

22 Plumbing**22 50 Pool and Fountain Plumbing Systems****22 51 Swimming Pool Plumbing Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 51 13 00-0007	EA	Cast Iron Pool Drain, 2" - 4" Bottom Outlet With Waterproof Flange And 14" Square Top	739.67	72.08
		For Polished Bronze Top, Add	133.50	
		For Hinge Grate, Add	28.60	
		For Clamp Device, Add	13.80	
		For Supplementary Strainer, Add	7.00	
		For Chromium Plated Top, Add	146.90	
		For Vandal Proof Construction, Add	17.10	
		For Threaded Outlet, Add	9.50	
		For Galvanized Top, Add	38.10	
		For Ground Screw, Add	18.30	

22 51 13 00-0008 Pool Supply Fittings (22 51 13)**22 51 13 00-0009 Cast Iron Pool Supply Fittings (22 51 13 00-0008)**

Note: Includes polished bronze head and anchor flange and adjustable V-ported valve insert and threaded inlet.

22 51 13 00-0010	EA	Cast Iron Pool Fitting For 2" Pipe.....	938.22	128.73
		For Galvanized Head, Add	26.30	
		For Vandal Proof Construction, Add	11.50	
		For Grounding Screw, Add	18.30	
22 51 13 00-0011	EA	Cast Iron Pool Fitting For 3" Pipe.....	938.22	128.73
		For Galvanized Head, Add	26.30	
		For Vandal Proof Construction, Add	11.50	
		For Grounding Screw, Add	18.30	
		For Chromium Plated Head, Add	11.50	

22 51 16 Swimming Pool Pumps (22 51)**22 51 16 00-0001 Variable Speed Pool Pumps (22 51 16)**

22 51 16 00-0002	EA	3 HP, Variable Speed Pool Pump With Vacuum Release (Pentair INTELLIFLO VS+SVRS 11017)	2,871.82	486.29
22 51 16 00-0003	EA	Variable Speed Pool Pump (Hayward EcoStar SVRS SP3400VSP)	3,141.35	486.29
22 51 16 00-0004	EA	Variable Speed Pool Pump With Vacuum Release (Hayward EcoStar SVRS SP3400VSPVR)	3,503.11	486.29

22 51 16 00-0005 Electric Powered Portable Vacuum Cleaner Pump (22 51 16)

Note: Includes 75' of 3 wire electric safety cord.

22 51 16 00-0006	EA	1 HP Electric Portable Vacuum Cleaner Pump With 75' Of 3-Wire Safety Cord	385.32	57.21
22 51 16 00-0007	EA	1-1/2 HP Electric Portable Vacuum Cleaner Pump With 75' Of 3-Wire Safety Cord	658.16	57.21

22 51 16 00-0008 Gasoline Driven Portable Vacuum Cleaner Pump (22 51 16)

22 51 16 00-0009	EA	3 HP Gasoline Driven Portable Vacuum Cleaner Pump	2,472.02	57.21
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22 51 19 Swimming Pool Water Treatment Equipment (22 51)**22 51 19 00-0001 Condensing Pool Water Heater (22 51 19)**

22 51 19 00-0002	EA	372 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN400)	41,609.76	820.13
22 51 19 00-0003	EA	467 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN501)	45,330.90	984.15
22 51 19 00-0004	EA	567 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN601)	49,710.25	1,066.17
22 51 19 00-0005	EA	660 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN701)	61,067.78	1,148.18
22 51 19 00-0006	EA	773 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN801)	63,343.38	1,230.19
22 51 19 00-0007	EA	967 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN1015)	96,018.39	1,476.23
22 51 19 00-0008	EA	1,257 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN1320)	123,043.01	1,558.24
22 51 19 00-0009	EA	1,450 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN1520)	128,004.87	1,681.27

22 51 19 00-0010 Non-Condensing Pool Water Heater (22 51 19)

22 51 19 00-0011	EA	500 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non-Condensing Pool Water Heater (Lochinvar CPN0502)	22,404.14	1,066.17
22 51 19 00-0012	EA	650 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non-Condensing Pool Water Heater (Lochinvar CPN0652)	23,877.39	1,148.18
22 51 19 00-0013	EA	750 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non-Condensing Pool Water Heater (Lochinvar CPN0752)	26,012.74	1,230.19
22 51 19 00-0014	EA	990 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non-Condensing Pool Water Heater (Lochinvar CPN0992)	34,375.78	1,476.23
22 51 19 00-0015	EA	1,260 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non-Condensing Pool Water Heater (Lochinvar CPN1262)	39,834.70	1,558.24
22 51 19 00-0016	EA	1,440 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non-Condensing Pool Water Heater (Lochinvar CPN1442)	42,524.86	1,681.27
22 51 19 00-0017	EA	1,800 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non-Condensing Pool Water Heater (Lochinvar CPN1802)	42,134.11	1,763.28
22 51 19 00-0018	EA	2,070 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non-Condensing Pool Water Heater (Lochinvar CPN2072)	54,611.69	1,804.28

22 51 19 00-0019 Swimming Pool Heaters (22 51 19)

Note: Excludes wiring, external piping, base or pad. Commercial pools.

22 51 19 00-0020 Electric Pool Heaters (22 51 19 00-0019)

22 51 19 00-0021	EA	12 KW Heater (1 Degree/Hour), For 4,800 Gallon Pool	4,385.96	228.84
22 51 19 00-0022	EA	18 KW Heater (1 Degree/Hour), For 7,200 Gallon Pool	4,900.41	246.01
22 51 19 00-0023	EA	24 KW Heater (1 Degree/Hour), For 9,600 Gallon Pool	5,446.12	286.05
22 51 19 00-0024	EA	30 KW Heater (1 Degree/Hour), For 12,000 Gallon Pool	5,770.35	343.26
22 51 19 00-0025	EA	36 KW Heater (1 Degree/Hour), For 14,400 Gallon Pool	6,361.57	480.57
22 51 19 00-0026	EA	60 KW Heater (1 Degree/Hour), For 24,000 Gallon Pool	7,309.22	686.52

22 51 19 00-0027 Gas Fired Pool Heaters (22 51 19 00-0019)					
22 51 19 00-0028	EA		120 MBH Output Gas Fired Pool Heater	6,092.54	1,076.93
22 51 19 00-0029	EA		180 MBH Output Gas Fired Pool Heater	6,920.83	1,230.78
22 51 19 00-0030	EA		240 MBH Output Gas Fired Pool Heater	7,819.81	1,384.62
22 51 19 00-0031	EA		300 MBH Output Gas Fired Pool Heater	9,005.19	1,692.32
22 51 19 00-0032	EA		360 MBH Output Gas Fired Pool Heater	9,280.33	1,786.97
22 51 19 00-0033	EA		400 MBH Output Gas Fired Pool Heater	10,848.83	2,174.32
22 51 19 00-0034	EA		500 MBH Output Gas Fired Pool Heater	17,024.77	2,508.84
22 51 19 00-0035	EA		600 MBH Output Gas Fired Pool Heater	19,734.58	2,759.72
22 51 19 00-0036	EA		750 MBH Output Gas Fired Pool Heater	22,249.42	3,010.61
22 51 19 00-0037	EA		1,000 MBH Output Gas Fired Pool Heater	28,514.21	3,554.19

22 51 19 00-0038 Surge Tanks (22 51 19)					
Note: Includes 100 GPM vertical pump with 2 HP motor and electronic float switch. Prices are for 1' To 5' sump depth for pump.					
22 51 19 00-0039	EA		1,000 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch	23,612.14	879.71
22 51 19 00-0040	EA		1,500 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch	26,554.35	879.71
22 51 19 00-0041	EA		2,000 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch	31,945.05	1,117.22
22 51 19 00-0042	EA		5,000 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch	41,997.47	1,803.08

22 51 19 00-0043 Diatomite Type Filter System (22 51 19)					
22 51 19 00-0044	EA		35,000 Gallon Filter System, Diatomite	15,430.56	3,193.22
22 51 19 00-0045	EA		45,000 Gallon Filter System, Diatomite	18,402.45	3,831.86

22 51 19 00-0046 Silver Recovery System, X-Ray Film Processing (22 51 19)					
22 51 19 00-0047	EA		20 Gallon/Day Capacity, Silver Recovery System	2,058.37	388.32
22 51 19 00-0048	EA		40 Gallon/Day Capacity, Silver Recovery System	3,016.37	517.80

22 51 19 00-0049 Inline Water Filter (22 51 19)					
Note: 3/8" NPT threaded inlet and outlet, 125 PSI, includes one filter cartridge.					
22 51 19 00-0050	EA		2 GPM Water Filter, 100 Degree Temperature, 8" x 5" Diameter, Plastic Body	275.10	114.42
22 51 19 00-0051	EA		6 GPM Water Filter, 250 Degree Temperature, 12" x 5" Diameter, Stainless Steel Body	493.59	171.63

22 51 19 00-0052 Horizontal High Rate Sand Filters (22 51 19)					
Note: Includes sand, filter system equipment and attached accessory gauges.					
22 51 19 00-0053	EA		135-270 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls	42,187.74	2,427.16
Note: 1 tank, 4" pipe size, Miami Tanks model # HH3614-A.					
22 51 19 00-0054	EA		135-270 GPM Horizontal Hi-Rate Sand Filter, Manual Controls	25,801.48	2,427.16
Note: 1 tank, 4" pipe size, Miami tanks model # HH3614-M.					
22 51 19 00-0055	EA		270-405 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls	58,468.16	4,854.33
Note: 2 tank, 4" pipe size, Miami tanks model # HH3624-A.					
22 51 19 00-0056	EA		270-405 GPM Horizontal Hi-Rate Sand Filter, Manual Controls	46,317.34	4,854.33
Note: 2 tank, 4" pipe size, Miami tanks model # HH3624-M.					
22 51 19 00-0057	EA		270-540 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls	60,095.50	4,854.33
Note: 2 tank, 6" pipe size, Miami tanks model # HH3626-A.					
22 51 19 00-0058	EA		270-540 GPM Horizontal Hi-Rate Sand Filter, Manual Controls	48,187.70	4,854.33
Note: 2 tank, 6" pipe size, Miami tanks model # HH3626-M.					
22 51 19 00-0059	EA		405-810 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls	82,160.40	7,281.48
Note: 3 tank, 6" pipe size, Miami tanks model # HH3636-A.					
22 51 19 00-0060	EA		405-810 GPM Horizontal Hi-Rate Sand Filter, Manual Controls	64,086.05	7,281.48
Note: 3 tank, 6" pipe size, Miami tanks model # HH3636-M.					
22 51 19 00-0061	EA		405-810 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls	84,503.77	7,281.48
Note: 3 tank, 8" pipe size, Miami tanks model # HH3638-A.					
22 51 19 00-0062	EA		405-810 GPM Horizontal Hi-Rate Sand Filter, Manual Controls	70,865.09	7,281.48
Note: 3 tank, 8" pipe size, Miami tanks model # HH3638-M.					
22 51 19 00-0063	EA		540-810 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls	106,073.79	9,708.64
Note: 4 tank, 6" pipe size, Miami tanks model # HH3646-A.					
22 51 19 00-0064	EA		540-810 GPM Horizontal Hi-Rate Sand Filter, Manual Controls	90,759.42	9,708.64
Note: 4 tank, 6" pipe size, Miami tanks model # HH3646-M.					
22 51 19 00-0065	EA		675 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls	128,994.35	12,135.81
Note: 5 tank, 6" pipe size, Miami tanks model # HH3656-A.					
22 51 19 00-0066	EA		675 GPM Horizontal Hi-Rate Sand Filter, Manual Controls	109,270.96	12,135.81
Note: 5 tank, 6" pipe size, Miami tanks model # HH3656-M.					
22 51 19 00-0067	EA		675-1350 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls	132,591.87	12,135.81
Note: 5 tank, 8" pipe size, Miami tanks model # HH3658-A.					
22 51 19 00-0068	EA		675-1350 GPM Horizontal Hi-Rate Sand Filter, Manual Controls	113,203.86	12,135.81
Note: 5 tank, 8" pipe size, Miami tanks model # HH3658-M.					
22 51 19 00-0069	EA		810 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls	153,178.00	14,562.97
Note: 6 tank, 6" pipe size, Miami tanks model # HH3666-A.					
22 51 19 00-0070	EA		810 GPM Horizontal Hi-Rate Sand Filter, Manual Controls	131,237.09	14,562.97
Note: 6 tank, 6" pipe size, Miami tanks model # HH3666-M.					
22 51 19 00-0071	EA		810-1620 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls	156,319.86	14,562.97
Note: 6 tank, 8" pipe size, Miami tanks model # HH3668-A.					
22 51 19 00-0072	EA		810-1620 GPM Horizontal Hi-Rate Sand Filter, Manual Controls	133,795.33	14,562.97
Note: 6 tank, 8" pipe size, Miami tanks model # HH3668-M.					
22 51 19 00-0073	EA		810-1620 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls	160,524.91	14,562.97
Note: 6 tank, 10" pipe size, Miami tanks model # HH36610-A.					
22 51 19 00-0074	EA		810-1620 GPM Horizontal Hi-Rate Sand Filter, Manual Controls	128,381.64	14,562.97
Note: 6 tank, 10" pipe size, Miami tanks model # HH36610-M.					

22 Plumbing**22 50 Pool and Fountain Plumbing Systems****22 51 Swimming Pool Plumbing Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT	COST	UNIT	COST
22 51 19 00-0075	EA 945-1418 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls Note: 7 tank, 8" pipe size, Miami tanks model # HH3678-A.	180,522.22	16,990.12		
22 51 19 00-0076	EA 945-1418 GPM Horizontal Hi-Rate Sand Filter, Manual Controls Note: 7 tank, 8" pipe size, Miami tanks model # HH3678-M.	158,579.75	16,990.12		
22 51 19 00-0077	EA 945-1890 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls Note: 7 tank, 10" pipe size, Miami tanks model # HH36710-A.	185,810.62	16,990.12		
22 51 19 00-0078	EA 945-1890 GPM Horizontal Hi-Rate Sand Filter, Manual Controls Note: 7 tank, 10" pipe size, Miami tanks model # HH36710-M.	163,275.18	16,990.12		
22 51 19 00-0079	EA 1080-2160 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls Note: 8 tank, 10" pipe size, Miami tanks model # HH36810-A.	206,814.24	19,417.28		
22 51 19 00-0080	EA 1080-2160 GPM Horizontal Hi-Rate Sand Filter, Manual Controls Note: 8 tank, 10" pipe size, Miami tanks model # HH36810-M.	184,521.82	19,417.28		
22 51 19 00-0081 Swimming Pool Chlorinators (22 51 19)					
22 51 19 00-0082	EA Swimming Pool Chlorinator, 50-100 PPD, Direct Cylinder Mounted Gas Chlorinator	1,174.54	163.63		
22 51 19 00-0083 Ultra-Violet Pool Treatment Lights (22 51 19)					
22 51 19 00-0084 Stainless Steel Ultra-Violet Pool Treatment Lights (22 51 19 00-0083)					
Note: Delta ELP Amalgam Series					
22 51 19 00-0085	EA 3" Flanged, 79 GPM, 2 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	16,172.29	356.77		
22 51 19 00-0086	EA 3" Flanged, 116 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	17,099.76	356.77		
22 51 19 00-0087	EA 3" Flanged, 158 GPM, 4 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	17,894.74	356.77		
22 51 19 00-0088	EA 4" Flanged, 254 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	18,459.88	377.78		
22 51 19 00-0089	EA 4" Flanged, 295 GPM, 6 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	18,853.84	377.78		
22 51 19 00-0090	EA 4" Flanged, 329 GPM, 7 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	22,431.17	377.78		
22 51 19 00-0091	EA 6" Flanged, 396 GPM, 6 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	26,463.70	678.45		
22 51 19 00-0092	EA 6" Flanged, 440 GPM, 2 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	39,263.93	678.45		
22 51 19 00-0093	EA 6" Flanged, 650 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	43,109.50	678.45		
22 51 19 00-0094	EA 8" Flanged, 695 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	46,223.87	813.92		
22 51 19 00-0095	EA 8" Flanged, 920 GPM, 4 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	49,649.31	813.92		
22 51 19 00-0096	EA 8" Flanged, 1140 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	52,040.68	813.92		
22 51 19 00-0097	EA 8" Flanged, 1260 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	54,625.93	813.92		
22 51 19 00-0098	EA 10" Flanged, 1510 GPM, 6 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	58,671.20	925.16		
22 51 19 00-0099	EA 10" Flanged, 1760 GPM, 7 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	63,195.41	925.16		
22 51 19 00-0100	EA 10" Flanged, 2010 GPM, 8 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	67,719.59	925.16		
22 51 19 00-0101	EA 10" Flanged, 2520 GPM, 10 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	73,213.25	925.16		
22 51 19 00-0102 HDPE Ultra-Violet Pool Treatment Lights (22 51 19 00-0083)					
Note: Delta EL Series					
22 51 19 00-0103	EA 3" Flanged, 116 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With HDPE Housing	8,044.95	356.77		
22 51 19 00-0104	EA 3" Flanged, 158 GPM, 4 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With HDPE Housing	8,949.75	356.77		
22 51 19 00-0105	EA 4" Flanged, 254 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With HDPE Housing	9,886.27	377.78		
22 51 19 00-0106 In-Line, Stainless Steel Ultra-Violet Pool Treatment Lights (22 51 19 00-0083)					
Note: Delta EM Series					
22 51 19 00-0107	EA 3" Flanged, 100 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	31,312.19	356.77		
22 51 19 00-0108	EA 3" Flanged, 170 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	31,635.32	356.77		
22 51 19 00-0109	EA 6" Flanged, 300 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	33,750.90	678.45		
22 51 19 00-0110	EA 6" Flanged, 600 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	42,760.48	678.45		
22 51 19 00-0111	EA 8" Flanged, 1300 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	59,667.17	813.92		
22 51 19 00-0112	EA 10" Flanged, 2000 GPM, 2 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	67,331.81	925.16		
22 51 19 00-0113	EA 12" Flanged, 3000 GPM, 3 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	79,378.45	1,197.20		
22 51 19 00-0114	EA 12" Flanged, 4000 GPM, 4 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	89,073.12	1,197.20		
22 51 23 Swimming Pool Equipment Controls (22 51)					
22 51 23 00-0001 Pool Pump Variable Frequency Drive (22 51 23)					
Note: Pentair Acu Drive XS					
22 51 23 00-0002	EA 3 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-2303-N01)	4,749.54	225.73		
22 51 23 00-0003	EA 5 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-2303-N01)	5,098.05	253.96		
22 51 23 00-0004	EA 7-1/2 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-2303-N01)	6,104.26	317.44		
22 51 23 00-0005	EA 10 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-2303-N01)	6,485.90	378.81		
22 51 23 00-0006	EA 15 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-2303-N01)	6,937.05	440.89		
22 51 23 00-0007	EA 20 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-2303-N01)	7,861.69	503.67		
22 51 23 00-0008	EA 3 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-4603-N01)	4,755.57	225.73		
22 51 23 00-0009	EA 5 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-4603-N01)	5,011.63	253.96		
22 51 23 00-0010	EA 7-1/2 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-4603-N01)	5,396.81	317.44		
22 51 23 00-0011	EA 10 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-4603-N01)	5,798.55	378.81		
22 51 23 00-0012	EA 15 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-4603-N01)	6,838.57	440.89		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 23 00-0013	EA	20 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-4603-N01).....	7,594.39	503.67
22 51 23 00-0014	EA	3 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-2303-N01FB).....	6,144.35	225.73
22 51 23 00-0015	EA	5 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-2303-N01FB).....	7,065.65	253.96
22 51 23 00-0016	EA	7-1/2 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-2303-N01FB).....	7,848.76	317.44
22 51 23 00-0017	EA	10 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-2303-N01FB).....	8,457.51	378.81
22 51 23 00-0018	EA	15 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-2303-N01FB).....	9,957.78	440.89
22 51 23 00-0019	EA	20 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-2303-N01FB).....	11,226.10	503.67
22 51 23 00-0020	EA	3 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-4603-N01FB).....	6,600.57	225.73
22 51 23 00-0021	EA	5 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-4603-N01FB).....	6,861.05	253.96
22 51 23 00-0022	EA	7-1/2 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-4603-N01FB).....	7,239.79	317.44
22 51 23 00-0023	EA	10 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-4603-N01FB).....	7,643.54	378.81
22 51 23 00-0024	EA	15 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-4603-N01FB).....	8,721.76	440.89
22 51 23 00-0025	EA	20 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-4603-N01FB).....	9,539.87	503.67
22 51 23 00-0026	EA	1/2 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD005-2303-N12).....	4,518.10	225.73
22 51 23 00-0027	EA	3/4 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD007-2303-N12).....	4,593.87	225.73
22 51 23 00-0028	EA	1 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD010-2303-N12).....	4,640.67	225.73
22 51 23 00-0029	EA	1-1/2 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD015-2303-N12).....	4,766.79	225.73
22 51 23 00-0030	EA	2 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD020-2303-N12).....	4,957.30	225.73
22 51 23 00-0031	EA	3 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-2303-N12).....	5,105.08	225.73
22 51 23 00-0032	EA	5 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-2303-N12).....	5,463.64	253.96
22 51 23 00-0033	EA	7-1/2 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-2303-N12).....	6,512.00	317.44
22 51 23 00-0034	EA	10 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-2303-N12).....	6,960.15	378.81
22 51 23 00-0035	EA	15 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-2303-N12).....	7,425.45	440.89
22 51 23 00-0036	EA	20 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-2303-N12).....	8,436.31	503.67
22 51 23 00-0037	EA	25 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD250-2303-N12).....	11,085.69	627.83
22 51 23 00-0038	EA	30 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD300-2303-N12).....	12,237.70	691.31
22 51 23 00-0039	EA	40 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD400-2303-N12).....	14,484.24	754.80
22 51 23 00-0040	EA	50 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD500-2303-N12).....	16,852.15	881.78
22 51 23 00-0041	EA	60 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD600-2303-N12).....	18,463.65	945.27
22 51 23 00-0042	EA	1/2 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD005-4603-N12).....	4,612.52	225.73
22 51 23 00-0043	EA	3/4 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD007-4603-N12).....	4,710.37	225.73
22 51 23 00-0044	EA	1 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD010-4603-N12).....	4,833.49	225.73
22 51 23 00-0045	EA	1-1/2 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD015-4603-N12).....	4,939.33	225.73
22 51 23 00-0046	EA	2 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD020-4603-N12).....	5,047.18	225.73
22 51 23 00-0047	EA	3 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-4603-N12).....	5,160.99	225.73
22 51 23 00-0048	EA	5 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-4603-N12).....	5,425.69	253.96
22 51 23 00-0049	EA	7-1/2 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-4603-N12).....	5,815.07	317.44
22 51 23 00-0050	EA	10 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-4603-N12).....	6,226.87	378.81
22 51 23 00-0051	EA	15 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-4603-N12).....	7,570.44	440.89
22 51 23 00-0052	EA	20 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-4603-N12).....	8,344.04	503.67
22 51 23 00-0053	EA	25 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD250-4603-N12).....	9,185.77	627.83
22 51 23 00-0054	EA	30 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD300-4603-N12).....	10,392.73	691.31
22 51 23 00-0055	EA	40 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD400-4603-N12).....	11,737.17	754.80
22 51 23 00-0056	EA	50 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD500-4603-N12).....	14,390.32	881.78

22 Plumbing**22 50 Pool and Fountain Plumbing Systems****22 51 Swimming Pool Plumbing Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 51 23 00-0057	EA	60 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD600-4603-N12).....	15,813.39	945.27
22 51 23 00-0058	EA	75 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD750-4603-N12).....	17,740.34	1,008.76
22 51 23 00-0059	EA	100 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC10-4603-N12).....	21,038.33	1,068.72
22 51 23 00-0060	EA	125 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC13-4603-N12).....	24,278.48	1,128.67
22 51 23 00-0061	EA	150 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC15-4603-N12).....	26,327.38	1,262.70
22 51 23 00-0062	EA	200 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC20-4603-N12).....	30,749.09	1,382.63
22 51 23 00-0063	EA	1/2 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD005-2303-N12FB).....	6,538.07	225.73
22 51 23 00-0064	EA	3/4 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD007-2303-N12FB).....	6,613.84	225.73
22 51 23 00-0065	EA	1 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD010-2303-N12FB).....	6,660.64	225.73
22 51 23 00-0066	EA	1-1/2 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD015-2303-N12FB).....	6,786.76	225.73
22 51 23 00-0067	EA	2 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD020-2303-N12FB).....	6,977.27	225.73
22 51 23 00-0068	EA	3 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-2303-N12FB).....	7,125.05	225.73
22 51 23 00-0069	EA	5 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-2303-N12FB).....	7,483.61	253.96
22 51 23 00-0070	EA	7-1/2 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-2303-N12FB).....	8,303.30	317.44
22 51 23 00-0071	EA	10 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-2303-N12FB).....	8,985.00	378.81
22 51 23 00-0072	EA	15 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-2303-N12FB).....	10,525.75	440.89
22 51 23 00-0073	EA	20 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-2303-N12FB).....	11,894.52	503.67
22 51 23 00-0074	EA	25 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD250-2303-N12FB).....	13,996.16	627.83
22 51 23 00-0075	EA	30 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD300-2303-N12FB).....	15,408.81	691.31
22 51 23 00-0076	EA	40 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD400-2303-N12FB).....	19,705.18	754.80
22 51 23 00-0077	EA	50 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD500-2303-N12FB).....	26,000.80	881.78
22 51 23 00-0078	EA	60 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD600-2303-N12FB).....	28,579.35	945.27
22 51 23 00-0079	EA	1/2 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD005-4603-N12FB).....	6,509.41	225.73
22 51 23 00-0080	EA	3/4 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD007-4603-N12FB).....	6,607.24	225.73
22 51 23 00-0081	EA	1 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD010-4603-N12FB).....	6,730.38	225.73
22 51 23 00-0082	EA	1-1/2 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD015-4603-N12FB).....	6,836.22	225.73
22 51 23 00-0083	EA	2 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD020-4603-N12FB).....	6,944.05	225.73
22 51 23 00-0084	EA	3 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-4603-N12FB).....	7,057.88	225.73
22 51 23 00-0085	EA	5 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-4603-N12FB).....	7,322.58	253.96
22 51 23 00-0086	EA	7-1/2 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-4603-N12FB).....	7,709.90	317.44
22 51 23 00-0087	EA	10 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-4603-N12FB).....	8,121.71	378.81
22 51 23 00-0088	EA	15 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-4603-N12FB).....	9,506.42	440.89
22 51 23 00-0089	EA	20 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-4603-N12FB).....	10,343.69	503.67
22 51 23 00-0090	EA	25 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD250-4603-N12FB).....	11,320.96	627.83
22 51 23 00-0091	EA	30 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD300-4603-N12FB).....	12,761.72	691.31
22 51 23 00-0092	EA	40 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD400-4603-N12FB).....	15,122.68	754.80
22 51 23 00-0093	EA	50 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD500-4603-N12FB).....	17,399.13	881.78
22 51 23 00-0094	EA	60 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD600-4603-N12FB).....	19,376.70	945.27
22 51 23 00-0095	EA	75 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD750-4603-N12FB).....	22,515.26	1,008.76
22 51 23 00-0096	EA	100 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC10-4603-N12FB).....	29,735.20	1,068.72
22 51 23 00-0097	EA	125 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC13-4603-N12FB).....	32,903.62	1,128.67
22 51 23 00-0098	EA	150 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC15-4603-N12FB).....	41,363.54	1,262.70
22 51 23 00-0099	EA	200 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC20-4603-N12FB).....	48,619.29	1,382.63
22 51 23 00-0100	EA	380+ Volt AC, Up To 10 HP, 260 Volt AC, Up To 3 HP, 3 Year Extended Warranty (Pentair AD-EWW136).....	448.75	
22 51 23 00-0101	EA	380+ Volt AC, 15 To 40 HP, 260 Volt AC, 5 To 25 HP, 3 Year Extended Warranty (Pentair AD-EWW236).....	716.09	
22 51 23 00-0102	EA	380+ Volt AC, Up To 10 HP, 260 Volt AC, Up To 3 HP, 6 Year Extended Warranty (Pentair AD-EWW172).....	792.46	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 23 00-0103	EA	380+ Volt AC, 15 To 40 HP, 260 Volt AC, 5 To 25 HP, 6 Year Extended Warranty (Pentair AD-EWW272)	1,346.24	
22 51 23 00-0104	EA	380+ Volt AC, 50 To 125 HP, 260 Volt AC, 30 To 60 HP, 6 Year Extended Warranty (Pentair AD-EWW372)	2,568.36	
22 51 23 00-0105	EA	3" Clamp On Saddle Flow Sensor Kit, Integral 4 To 20 mA Output Signal (Pentair 97014-4203KIT)	1,605.26	
22 51 23 00-0106	EA	4" Clamp On Saddle Flow Sensor Kit, Integral 4 To 20 mA Output Signal (Pentair 97014-4204KIT)	1,678.31	
22 51 23 00-0107	EA	6" Clamp On Saddle Flow Sensor Kit, Integral 4 To 20 mA Output Signal (Pentair 97016-4206KIT)	1,831.43	
22 51 23 00-0108	EA	8" Clamp On Saddle Flow Sensor Kit, Integral 4 To 20 mA Output Signal (Pentair 97016-4208KIT)	1,964.19	
22 51 23 00-0109	EA	3" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97014BL-03KIT)	2,297.87	
22 51 23 00-0110	EA	4" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97014BL-04KIT)	2,366.49	
22 51 23 00-0111	EA	6" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97016BL-06KIT)	2,512.55	
22 51 23 00-0112	EA	8" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97016BL-08KIT)	2,641.16	
22 51 23 00-0113	EA	10" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97020BL-10KIT)	3,157.22	
22 51 23 00-0114	EA	12" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97020BL-12KIT)	3,169.65	
22 51 23 00-0115		Eco-Flow-E Aquatic Variable Frequency Drive And Options (22 51 23)		
22 51 23 00-0116		Eco-Flow-E Aquatic Variable Frequency Drive (22 51 23 00-0115)		
22 51 23 00-0117	EA	2 HP, 480 Volt, 3 Phase, 4 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-04-12-4)	4,050.09	188.12
		For Bypass Panel, Add	908.05	
22 51 23 00-0118	EA	3 HP, 480 Volt, 3 Phase, 6 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-06-12-4)	4,054.00	188.12
		For Bypass Panel, Add	908.05	
22 51 23 00-0119	EA	5 HP, 480 Volt, 3 Phase, 8 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-08-12-4)	4,121.91	211.63
		For Bypass Panel, Add	908.05	
22 51 23 00-0120	EA	7-1/2 HP, 480 Volt, 3 Phase, 12 Amperes, Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-12-12-4)	4,270.78	264.53
		For Bypass Panel, Add	908.05	
22 51 23 00-0121	EA	10 HP, 480 Volt, 3 Phase, 16 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-16-12-4)	4,614.42	315.68
		For Bypass Panel, Add	908.05	
22 51 23 00-0122	EA	15 HP, 480 Volt, 3 Phase, 24 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-24-12-4)	5,132.75	367.41
		For Bypass Panel, Add	1,073.09	
22 51 23 00-0123	EA	20 HP, 480 Volt, 3 Phase, 30 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-30-12-4)	6,051.49	419.72
		For Bypass Panel, Add	1,073.09	
22 51 23 00-0124	EA	25 HP, 480 Volt, 3 Phase, 39 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-39-12-4)	6,285.30	525.54
		For Bypass Panel, Add	1,073.09	
22 51 23 00-0125	EA	30 HP, 480 Volt, 3 Phase, 45 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-45-12-4)	7,526.28	577.86
		For Bypass Panel, Add	1,073.09	
22 51 23 00-0126	EA	40 HP, 480 Volt, 3 Phase, 61 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-61-12-4)	7,756.29	629.59
		For Bypass Panel, Add	1,308.58	
22 51 23 00-0127	EA	1/2 HP, 208/230 Volt, 1 Phase (1 HP, 208/230 Volt, 3 Phase) 8 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-08-12-2)	4,027.91	188.12
		For Bypass Panel, Add	908.05	
22 51 23 00-0128	EA	1 HP, 208/230 Volt, 1 Phase (2 HP, 208/230 Volt, 3 Phase) 12 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-12-12-2)	4,033.13	188.12
		For Bypass Panel, Add	908.05	
22 51 23 00-0129	EA	1-1/2 HP, 208/230 Volt, 1 Phase (3 HP, 208/230 Volt, 3 Phase) 16 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-16-12-2)	4,057.91	188.12
		For Bypass Panel, Add	908.05	
22 51 23 00-0130	EA	5 HP, 208/230 Volt, 1 Phase, 24 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-24-12-2)	4,142.79	211.63
		For Bypass Panel, Add	1,073.09	
22 51 23 00-0131	EA	3 HP, 208/230 Volt, 1 Phase (7-1/2 HP, 208/230 Volt, 3 Phase) 32 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-32-12-2)	4,495.18	264.53
		For Bypass Panel, Add	1,073.09	
22 51 23 00-0132	EA	5 HP, 208/230 Volt, 1 Phase (10 HP, 208/230 Volt, 3 Phase) 46 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-46-12-2)	5,008.42	315.68
		For Bypass Panel, Add	1,073.09	
22 51 23 00-0133	EA	7-1/2 HP, 208/230 Volt, 1 Phase (15 HP, 208/230 Volt, 3 Phase) 60 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-60-12-2)	5,935.11	367.41
		For Bypass Panel, Add	1,308.58	
22 51 23 00-0134	EA	10 HP, 208/230 Volt, 1 Phase (20 HP, 208/230 Volt, 3 Phase) 74 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-74-12-2)	6,064.53	419.72
		For Bypass Panel, Add	1,308.58	
22 51 23 00-0135	EA	25 HP, 208/230 Volt, 1 Phase, 88 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-88-12-2)	7,403.37	525.54
		For Bypass Panel, Add	1,784.13	
22 51 23 00-0136	EA	15 HP, 208/230 Volt, 1 Phase (30 HP, 208/230 Volt, 3 Phase) 124 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-124-12-2)	7,635.87	577.86
		For Bypass Panel, Add	2,465.80	
22 51 23 00-0137		Eco-Flow-E Aquatic Variable Frequency Drive Options (22 51 23 00-0115)		
22 51 23 00-0138	EA	0 To 30 PSI, 1/4" NPT Male Thread, 4 To 20 mA Output, 10' Cable, Pressure Sensor (H2Flow PS-30)	547.65	88.18
22 51 23 00-0139	EA	0 To 100 PSI, 1/4" NPT Male Thread, 4 To 20 mA Output, 10' Cable, Pressure Sensor (H2Flow PS-100)	547.65	88.18
22 51 23 00-0140	EA	Lightning Arrestor (H2Flow LA)	584.63	58.78

22 Plumbing**22 50 Pool and Fountain Plumbing Systems****22 51 Swimming Pool Plumbing Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 51 23 00-0141	EA	2 HP, 480 Volt, (3/4 HP, 208/230 Volt) Load Reactor (TCI V1K4A00).....	663.48	26.45
22 51 23 00-0142	EA	3 HP, 480 Volt, (1 To 1-1/2 HP, 208/230 Volt) Load Reactor (TCI V1K6A00)	685.01	29.40
22 51 23 00-0143	EA	5 HP, 480 Volt, (2 HP, 208/230 Volt) Load Reactor (TCI V1K8A00).....	701.33	32.33
22 51 23 00-0144	EA	7-1/2 HP, 480 Volt, (3 HP, 208/230 Volt) Load Reactor (TCI V1K12A00).....	731.99	35.27
22 51 23 00-0145	EA	10 HP, 480 Volt, (5 HP, 208/230 Volt) Load Reactor (TCI V1K16A00).....	745.70	38.21
22 51 23 00-0146	EA	15 HP, 480 Volt, (7-1/2 HP, 208/230 Volt) Load Reactor (TCI V1K25A00).....	974.67	41.15
22 51 23 00-0147	EA	20 HP, 480 Volt, Load Reactor (TCI V1K27A00).....	1,015.78	44.08
22 51 23 00-0148	EA	25 HP, 480 Volt, (10 HP, 208/230 Volt) Load Reactor (TCI V1K35A00).....	1,060.79	47.03
22 51 23 00-0149	EA	30 HP, 480 Volt, (15 HP, 208/230 Volt) Load Reactor (TCI V1K45A00).....	1,104.51	49.97
22 51 23 00-0150	EA	40 HP, 480 Volt, (20 HP, 208/230 Volt) Load Reactor (TCI V1K55A00).....	1,143.00	52.91
22 51 23 00-0151	EA	25 To 30 HP, 208/230 Volt, Load Reactor (TCI V1K80A00).....	1,574.19	55.84
22 51 23 00-0152	EA	1 HP, 208/230 Volt, Line Reactor (TCI KDRA25L)	198.38	29.40
22 51 23 00-0153	EA	2 HP, 208/230 Volt, Line Reactor (TCI KDRA27L)	212.09	32.33
22 51 23 00-0154	EA	3 HP, 208/230 Volt, Line Reactor (TCI KDRA28L)	237.53	35.27
22 51 23 00-0155	EA	5 HP, 208/230 Volt, Line Reactor (TCI KDRB22L)	313.86	38.21
22 51 23 00-0156	EA	7-1/2 HP, 208/230 Volt, Line Reactor (TCI KDRB23L)	352.36	41.15
22 51 23 00-0157	EA	10 HP, 208/230 Volt, Line Reactor (TCI KDRD25L)	364.76	44.08
22 51 23 00-0158	EA	15 HP, 208/230 Volt, Line Reactor (TCI KDRD24L)	377.16	47.03
22 51 23 00-0159	EA	20 HP, 208/230 Volt, Line Reactor (TCI KDRD26L)	400.01	49.97
22 51 23 00-0160	EA	25 HP, 208/230 Volt, Line Reactor (TCI KDRC22L)	507.64	52.91
22 51 23 00-0161	EA	30 HP, 208/230 Volt, Line Reactor (TCI KDRF24L)	521.35	55.84
22 51 23 00-0162	EA	1 HP, 480 Volt, Line Reactor (TCI KDRA8L)	199.68	29.40
22 51 23 00-0163	EA	2 HP, 480 Volt, Line Reactor (TCI KDRA1L)	219.92	32.33
22 51 23 00-0164	EA	3 HP, 480 Volt, Line Reactor (TCI KDRA2L)	241.45	35.27
22 51 23 00-0165	EA	5 HP, 480 Volt, Line Reactor (TCI KDRA3L)	253.85	38.21
22 51 23 00-0166	EA	7-1/2 HP, 480 Volt, Line Reactor (TCI KDRA4L)	264.95	41.15
22 51 23 00-0167	EA	10 HP, 480 Volt, Line Reactor (TCI KDRA5L)	333.45	44.08
22 51 23 00-0168	EA	15 HP, 480 Volt, Line Reactor (TCI KDRB2L)	347.15	47.03
22 51 23 00-0169	EA	20 HP, 480 Volt, Line Reactor (TCI KDRB1L)	364.78	49.97
22 51 23 00-0170	EA	25 HP, 480 Volt, Line Reactor (TCI KDRD1L)	377.18	52.91
22 51 23 00-0171	EA	30 HP, 480 Volt, Line Reactor (TCI KDRD2L)	456.11	55.84
22 51 23 00-0172	EA	40 HP, 480 Volt, Line Reactor (TCI KDRC1L)	497.22	58.78
22 51 23 00-0173	EA	Models 04 To 30, 304 SS Metric To English Conduit Adaptor Kit	81.43	
22 51 23 00-0174	EA	Models 32 To 46, 304 SS Metric To English Conduit Adaptor Kit	111.31	
22 51 23 00-0175	EA	Models 60 To 74, 304 SS Metric To English Conduit Adaptor Kit	138.58	

22 51 23 00-0176 Pool Flow Meters (22 51 23)

22 51 23 00-0177	EA	20 To 110 GPM, 1-1/2" Retrofit Kit FlowVis For Existing Jandy Or Praher Valve Flow Meter (H2Flow FVJ-R-15).....	148.05	22.89
22 51 23 00-0178	EA	20 To 110 GPM, 2" x 2-1/2" Retrofit Kit FlowVis For Existing Jandy® Or Praher Valve Flow Meter (H2Flow FVJ-R)	148.05	22.89
22 51 23 00-0179	EA	20 To 110 GPM, 1-1/2" Complete FlowVis Including Valve Body Flow Meter (H2Flow FV-C-15)	230.90	42.91
22 51 23 00-0180	EA	20 To 110 GPM, 2" x 2-1/2" Complete FlowVis Including Valve Body Flow Meter (H2Flow FV-C)	193.81	45.77

22 51 23 00-0181 Paddlewheel Flow Sensors (22 51 23)

22 51 23 00-0182	EA	1/2" To 4" Pipe, Polypropylene Body, Black Polyvinylidene Fluoride (PVDF) Rotor, Paddlewheel Flow Sensor (Signet 3-2536-P0)	978.75	67.90
Note: Includes 25' of cable (extendable to 200').				
22 51 23 00-0183	EA	1/2" To 4" Pipe, Polypropylene Body, Pulse/Flow Switch DCR Output Paddlewheel Flow Sensor (Signet 3-2537-1C-PO)	1,303.60	67.90
22 51 23 00-0184	EA	1/2" To 4" Pipe, Polypropylene Body, Pulse/Flow Switch SSR Output Paddlewheel Flow Sensor (Signet 3-2537-2C-PO)	1,303.60	67.90
22 51 23 00-0185	EA	1/2" To 4" Pipe, Polypropylene Body, Digital Output Paddlewheel Flow Sensor (Signet 3-2537-5C-PO).....	1,354.49	67.90
22 51 23 00-0186	EA	1/2" To 4" Pipe, Polypropylene Body, 4 To 20 mA Output Paddlewheel Flow Sensor (Signet 3-2537-6C-PO).....	1,409.28	67.90
22 51 23 00-0187	EA	1/2" To 4" Pipe, Polyvinylidene Fluoride (PVDF) Body, Pulse/Flow Switch DCR Output Paddlewheel Flow Sensor (Signet 3-2537-1C-TO).....	1,513.00	67.90
22 51 23 00-0188	EA	1/2" To 4" Pipe, Polyvinylidene Fluoride (PVDF) Body, Pulse/Flow Switch SSR Output Paddlewheel Flow Sensor (Signet 3-2537-2C-TO).....	1,513.00	67.90
22 51 23 00-0189	EA	1/2" To 4" Pipe, Polyvinylidene Fluoride (PVDF) Body, Digital Output Paddlewheel Flow Sensor (Signet 3-2537-5C-TO).....	1,577.58	67.90
22 51 23 00-0190	EA	1/2" To 4" Pipe, Polyvinylidene Fluoride (PVDF) Body, 4 To 20 mA Output Paddlewheel Flow Sensor (Signet 3-2537-6C-TO)	1,640.20	67.90
22 51 23 00-0191	EA	>4" To 8" Pipe, Polypropylene Body, Black Polyvinylidene Fluoride (PVDF) Rotor, Paddlewheel Flow Sensor (Signet 3-2536-P1)	1,023.76	67.90
Note: Includes 25' of cable (extendable to 200').				
22 51 23 00-0192	EA	>4" To 8" Pipe, Polypropylene Body, Pulse/Flow Switch DCR Output Paddlewheel Flow Sensor (Signet 3-2537-1C-P1)	1,354.49	67.90
22 51 23 00-0193	EA	>4" To 8" Pipe, Polypropylene Body, Pulse/Flow Switch SSR Output Paddlewheel Flow Sensor (Signet 3-2537-2C-P1)	1,354.49	67.90
22 51 23 00-0194	EA	>4" To 8" Pipe, Polypropylene Body, Digital Output Paddlewheel Flow Sensor (Signet 3-2537-5C-P1).....	1,409.28	67.90
22 51 23 00-0195	EA	>4" To 8" Pipe, Polypropylene Body, 4 To 20 mA Output Paddlewheel Flow Sensor (Signet 3-2537-6C-P1).....	1,460.16	67.90
22 51 23 00-0196	EA	>8" Pipe, Polypropylene Body, Black Polyvinylidene Fluoride (PVDF) Rotor, Paddlewheel Flow Sensor (Signet 3-2536-P2).....	1,064.86	67.90
Note: Includes 25' of cable (extendable to 200').				
22 51 23 00-0197	EA	2" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S020)	334.40	
22 51 23 00-0198	EA	4" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S040)	462.28	
22 51 23 00-0199	EA	6" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S060)	568.64	
22 51 23 00-0200	EA	8" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S080)	698.49	
22 51 23 00-0201	EA	10" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S100)	924.22	
22 51 23 00-0202	EA	12" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S120)	936.64	
22 51 23 00-0203	EA	24 Volt DC, Power Supply 7.5 Watt, 300 mA (Signet 7300-7524)	321.06	18.81
22 51 23 00-0204	EA	24 Volt DC, Power Supply 15 Watt, 600 mA (Signet 7300-1524)	444.35	18.81
22 51 23 00-0205	EA	24 Volt DC, 30 Watt, 1.3 Amperes, Power Supply (Signet 7300-3024)	550.02	18.81
22 51 23 00-0206	EA	24 Volt DC, 50 Watt, 2.1 Amperes, Power Supply (Signet 7300-5024)	698.75	18.81
22 51 23 00-0207	EA	24 Volt DC, 100 Watt, 4.2 Amperes, Power Supply (Signet 7300-1024)	972.73	18.81

Plumbing			22	22
Gas and Vacuum Systems for Laboratory and Healthcare Facilities			22 60	
Swimming Pool Plumbing Systems			22 51	
			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities ⁽²²⁾

22 63 Gas Systems for Laboratory and Healthcare Facilities ^(22 60)

22 63 13 Gas Piping for Laboratory and Healthcare Facilities ^(22 63)

22 63 13 53 Laboratory Gas Piping ^(22 63 13)

See CSI section 23 21 13 23-0001 for black steel pipe, 23 21 13 23-2263 for PVC piping.

22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities ^(22 60)

22 66 53 Laboratory Chemical-Waste and Vent Piping ^(22 66)

22 66 53 00-0001 Polypropylene Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings ^(22 66 53)

22 66 53 00-0002 Schedule 40 Polypropylene Acid Resistant DWV Pipe And Fuseal Fittings ^(22 66 53 00-0001)

22 66 53 00-0003 Schedule 40 Polypropylene Acid Resistant DWV Pipe ^(22 66 53 00-0002)

22 66 53 00-0004	LF	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Pipe	14.69	6.52
		For Work In Restricted Working Space, Add	2.95	
		For Fire Retardant Thermoplastic Pipe (Proxylene), Add	2.17	
		For Schedule 80, Add	2.53	
22 66 53 00-0005	LF	2" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	17.65	7.32
		For Work In Restricted Working Space, Add	3.32	
		For Fire Retardant Thermoplastic Pipe (Proxylene), Add	2.93	
		For Schedule 80, Add	3.43	
22 66 53 00-0006	LF	3" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	27.89	10.64
		For Work In Restricted Working Space, Add	4.80	
		For Fire Retardant Thermoplastic Pipe (Proxylene), Add	5.29	
		For Schedule 80, Add	6.18	
22 66 53 00-0007	LF	4" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	37.68	13.84
		For Work In Restricted Working Space, Add	6.24	
		For Fire Retardant Thermoplastic Pipe (Proxylene), Add	7.51	
		For Schedule 80, Add	8.78	
22 66 53 00-0008	LF	6" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	60.95	20.37
		For Work In Restricted Working Space, Add	9.15	
		For Fire Retardant Thermoplastic Pipe (Proxylene), Add	13.55	
		For Schedule 80, Add	15.83	

22 66 53 00-0009 Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bends ^(22 66 53 00-0002)

22 66 53 00-0010	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend.....	56.56	24.60
		For Work In Restricted Working Space, Add	11.07	
22 66 53 00-0011	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend.....	73.09	32.49
		For Work In Restricted Working Space, Add	14.61	
22 66 53 00-0012	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend.....	97.23	37.18
		For Work In Restricted Working Space, Add	16.74	
22 66 53 00-0013	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend.....	139.76	49.21
		For Work In Restricted Working Space, Add	22.15	
22 66 53 00-0014	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend.....	271.03	72.66
		For Work In Restricted Working Space, Add	32.69	

22 66 53 00-0015 Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bends ^(22 66 53 00-0002)

22 66 53 00-0016	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend.....	56.22	24.60
		For Work In Restricted Working Space, Add	11.07	
22 66 53 00-0017	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend.....	72.20	32.49
		For Work In Restricted Working Space, Add	14.61	
22 66 53 00-0018	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend.....	98.93	37.18
		For Work In Restricted Working Space, Add	16.74	
22 66 53 00-0019	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend.....	122.72	49.21
		For Work In Restricted Working Space, Add	22.15	
22 66 53 00-0020	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend.....	244.62	72.66
		For Work In Restricted Working Space, Add	32.69	

22 66 53 00-0021 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tees ^(22 66 53 00-0002)

22 66 53 00-0022	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee.....	103.31	52.63
		For Work In Restricted Working Space, Add	23.67	
22 66 53 00-0023	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee.....	128.73	66.36
		For Work In Restricted Working Space, Add	29.85	
22 66 53 00-0024	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee.....	167.45	72.66
		For Work In Restricted Working Space, Add	32.69	
22 66 53 00-0025	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee.....	230.61	95.43
		For Work In Restricted Working Space, Add	42.91	
22 66 53 00-0026	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee.....	403.01	152.64
		For Work In Restricted Working Space, Add	68.65	

22 66 53 00-0027 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tees ^(22 66 53 00-0002)

22 Plumbing**22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 66 53 00-0028	EA	2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee.....	128.69	66.36
		<i>For Work In Restricted Working Space, Add</i>	29.85	
22 66 53 00-0029	EA	3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee.....	163.37	72.66
		<i>For Work In Restricted Working Space, Add</i>	32.69	
22 66 53 00-0030	EA	3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee.....	159.74	72.66
		<i>For Work In Restricted Working Space, Add</i>	32.69	
22 66 53 00-0031	EA	4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee.....	221.30	95.43
		<i>For Work In Restricted Working Space, Add</i>	42.91	
22 66 53 00-0032	EA	4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee.....	224.81	95.43
		<i>For Work In Restricted Working Space, Add</i>	42.91	
22 66 53 00-0033	EA	6" x 6" x 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee.....	377.09	152.64
		<i>For Work In Restricted Working Space, Add</i>	68.65	

22 66 53 00-0034 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tees With Plug

22 66 53 00-0035	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	115.22	52.63
		<i>For Work In Restricted Working Space, Add</i>	23.67	
22 66 53 00-0036	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	131.61	66.36
		<i>For Work In Restricted Working Space, Add</i>	29.85	
22 66 53 00-0037	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	176.27	72.66
		<i>For Work In Restricted Working Space, Add</i>	32.69	
22 66 53 00-0038	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	234.67	95.43
		<i>For Work In Restricted Working Space, Add</i>	42.91	
22 66 53 00-0039	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	352.75	152.64
		<i>For Work In Restricted Working Space, Add</i>	68.65	

22 66 53 00-0040 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wyes

22 66 53 00-0041	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye.....	110.00	52.63
		<i>For Work In Restricted Working Space, Add</i>	23.67	
22 66 53 00-0042	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye	134.93	66.36
		<i>For Work In Restricted Working Space, Add</i>	29.85	
22 66 53 00-0043	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye	171.14	72.66
		<i>For Work In Restricted Working Space, Add</i>	32.69	
22 66 53 00-0044	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye	233.67	95.43
		<i>For Work In Restricted Working Space, Add</i>	42.91	
22 66 53 00-0045	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye	458.93	152.64
		<i>For Work In Restricted Working Space, Add</i>	68.65	

22 66 53 00-0046 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wyes

22 66 53 00-0047	EA	2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye.....	143.11	66.36
		<i>For Work In Restricted Working Space, Add</i>	29.85	
22 66 53 00-0048	EA	3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye.....	166.94	72.66
		<i>For Work In Restricted Working Space, Add</i>	32.69	
22 66 53 00-0049	EA	3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye.....	166.94	72.66
		<i>For Work In Restricted Working Space, Add</i>	32.69	
22 66 53 00-0050	EA	4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye.....	230.04	95.43
		<i>For Work In Restricted Working Space, Add</i>	42.91	
22 66 53 00-0051	EA	4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye.....	230.04	95.43
		<i>For Work In Restricted Working Space, Add</i>	42.91	
22 66 53 00-0052	EA	6" x 6" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye.....	410.76	152.64
		<i>For Work In Restricted Working Space, Add</i>	68.65	
22 66 53 00-0053	EA	6" x 6" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye.....	413.58	152.64
		<i>For Work In Restricted Working Space, Add</i>	68.65	
22 66 53 00-0054	EA	6" x 6" x 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye.....	378.28	152.64
		<i>For Work In Restricted Working Space, Add</i>	68.65	

22 66 53 00-0055 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Crosses

22 66 53 00-0056	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross.....	136.89	65.79
		<i>For Work In Restricted Working Space, Add</i>	29.59	
22 66 53 00-0057	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross.....	170.19	82.96
		<i>For Work In Restricted Working Space, Add</i>	37.31	
22 66 53 00-0058	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross.....	227.90	90.85
		<i>For Work In Restricted Working Space, Add</i>	40.87	
22 66 53 00-0059	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross.....	316.07	119.22
		<i>For Work In Restricted Working Space, Add</i>	53.63	
22 66 53 00-0060	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross.....	559.08	190.74
		<i>For Work In Restricted Working Space, Add</i>	85.82	

22 66 53 00-0061 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bends

22 66 53 00-0062	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	101.13	52.63
		<i>For Work In Restricted Working Space, Add</i>	23.67	
22 66 53 00-0063	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	131.96	66.36
		<i>For Work In Restricted Working Space, Add</i>	29.85	
22 66 53 00-0064	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	150.51	72.66
		<i>For Work In Restricted Working Space, Add</i>	32.69	
22 66 53 00-0065	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	207.63	95.43
		<i>For Work In Restricted Working Space, Add</i>	42.91	
22 66 53 00-0066	EA	2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	122.30	66.36
		<i>For Work In Restricted Working Space, Add</i>	29.85	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0067	EA	3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	146.62	72.66
		<i>For Work In Restricted Working Space, Add</i>	32.69	
22 66 53 00-0068	EA	3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	148.18	72.66
		<i>For Work In Restricted Working Space, Add</i>	32.69	
22 66 53 00-0069	EA	4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	201.85	95.43
		<i>For Work In Restricted Working Space, Add</i>	42.91	
22 66 53 00-0070	EA	4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	202.84	95.43
		<i>For Work In Restricted Working Space, Add</i>	42.91	
22 66 53 00-0071 Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Traps (22 66 53 00-0002)				
22 66 53 00-0072	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap	119.40	61.10
		<i>For Work In Restricted Working Space, Add</i>	27.46	
22 66 53 00-0073	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap	158.78	80.33
		<i>For Work In Restricted Working Space, Add</i>	36.13	
22 66 53 00-0074	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap	238.89	109.04
		<i>For Work In Restricted Working Space, Add</i>	49.04	
22 66 53 00-0075	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap	334.79	138.80
		<i>For Work In Restricted Working Space, Add</i>	62.41	
22 66 53 00-0076 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapters (22 66 53 00-0002)				
22 66 53 00-0077	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter	55.63	24.60
		<i>For Work In Restricted Working Space, Add</i>	11.07	
22 66 53 00-0078	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter	68.20	32.49
		<i>For Work In Restricted Working Space, Add</i>	14.61	
22 66 53 00-0079	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter	79.95	37.18
		<i>For Work In Restricted Working Space, Add</i>	16.74	
22 66 53 00-0080	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter	108.61	49.21
		<i>For Work In Restricted Working Space, Add</i>	22.15	
22 66 53 00-0081	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter	161.08	72.66
		<i>For Work In Restricted Working Space, Add</i>	32.69	
22 66 53 00-0082 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapters (22 66 53 00-0002)				
22 66 53 00-0083	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter	53.28	24.60
		<i>For Work In Restricted Working Space, Add</i>	11.07	
22 66 53 00-0084	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter	69.97	32.49
		<i>For Work In Restricted Working Space, Add</i>	14.61	
22 66 53 00-0085	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter	83.21	37.18
		<i>For Work In Restricted Working Space, Add</i>	16.74	
22 66 53 00-0086	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter	111.81	49.21
		<i>For Work In Restricted Working Space, Add</i>	22.15	
22 66 53 00-0087 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Couplings (22 66 53 00-0002)				
22 66 53 00-0088	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling	50.36	24.60
		<i>For Work In Restricted Working Space, Add</i>	11.07	
22 66 53 00-0089	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling	64.73	32.49
		<i>For Work In Restricted Working Space, Add</i>	14.61	
22 66 53 00-0090	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling	75.28	37.18
		<i>For Work In Restricted Working Space, Add</i>	16.74	
22 66 53 00-0091	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling	99.56	49.21
		<i>For Work In Restricted Working Space, Add</i>	22.15	
22 66 53 00-0092	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling	146.39	72.66
		<i>For Work In Restricted Working Space, Add</i>	32.69	
22 66 53 00-0093 Glass Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings (22 66 53 00-0093)				
22 66 53 00-0094 Glass Acid Resistant DWV Pipe (22 66 53 00-0093)				
22 66 53 00-0095	LF	1-1/2" Glass Acid Resistant DWV Pipe	42.38	6.29
		<i>For Work In Restricted Working Space, Add</i>	3.78	
22 66 53 00-0096	LF	2" Glass Acid Resistant DWV Pipe	54.32	6.87
		<i>For Work In Restricted Working Space, Add</i>	4.12	
22 66 53 00-0097	LF	3" Glass Acid Resistant DWV Pipe	75.01	9.62
		<i>For Work In Restricted Working Space, Add</i>	5.79	
22 66 53 00-0098	LF	4" Glass Acid Resistant DWV Pipe	126.30	12.48
		<i>For Work In Restricted Working Space, Add</i>	7.49	
22 66 53 00-0099	LF	6" Glass Acid Resistant DWV Pipe	215.75	17.05
		<i>For Work In Restricted Working Space, Add</i>	10.22	
22 66 53 00-0100 Glass Acid Resistant DWV 90 Or 60 Degree Sweeps (22 66 53 00-0093)				
22 66 53 00-0101	EA	1-1/2" Glass Acid Resistant DWV 90 Or 60 Degree Sweep	119.35	28.03
		<i>For Work In Restricted Working Space, Add</i>	16.79	
22 66 53 00-0102	EA	2" Glass Acid Resistant DWV 90 Or 60 Degree Sweep	139.41	29.75
		<i>For Work In Restricted Working Space, Add</i>	17.81	
22 66 53 00-0103	EA	3" Glass Acid Resistant DWV 90 Or 60 Degree Sweep	199.33	33.75
		<i>For Work In Restricted Working Space, Add</i>	20.25	
22 66 53 00-0104	EA	4" Glass Acid Resistant DWV 90 Or 60 Degree Sweep	299.71	44.62
		<i>For Work In Restricted Working Space, Add</i>	26.78	
22 66 53 00-0105	EA	6" Glass Acid Resistant DWV 90 Or 60 Degree Sweep	765.00	61.79
		<i>For Work In Restricted Working Space, Add</i>	37.07	

22 Plumbing**22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 66 53 00-0106		Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweeps (22 66 53 00-0093)			
22 66 53 00-0107	EA	1-1/2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep	119.58	28.15	
		For Work In Restricted Working Space, Add	16.85		
22 66 53 00-0108	EA	2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep	138.95	29.41	
		For Work In Restricted Working Space, Add	17.68		
22 66 53 00-0109	EA	3" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep	199.10	33.64	
		For Work In Restricted Working Space, Add	20.18		
22 66 53 00-0110	EA	4" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep	299.71	44.62	
		For Work In Restricted Working Space, Add	26.78		
22 66 53 00-0111	EA	6" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep	764.98	61.79	
		For Work In Restricted Working Space, Add	37.07		
22 66 53 00-0112		Glass Acid Resistant DWV 90 Or 60 Degree Bends (22 66 53 00-0093)			
22 66 53 00-0113	EA	1-1/2" Glass Acid Resistant DWV 90 Or 60 Degree Bend	121.31	28.15	
		For Work In Restricted Working Space, Add	16.85		
22 66 53 00-0114	EA	2" Glass Acid Resistant DWV 90 Or 60 Degree Bend	141.02	29.41	
		For Work In Restricted Working Space, Add	17.68		
22 66 53 00-0115	EA	3" Glass Acid Resistant DWV 90 Or 60 Degree Bend	202.73	33.64	
		For Work In Restricted Working Space, Add	20.18		
22 66 53 00-0116	EA	4" Glass Acid Resistant DWV 90 Or 60 Degree Bend	299.71	44.62	
		For Work In Restricted Working Space, Add	26.78		
22 66 53 00-0117		Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bends (22 66 53 00-0093)			
22 66 53 00-0118	EA	1-1/2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend	121.31	28.15	
		For Work In Restricted Working Space, Add	16.85		
22 66 53 00-0119	EA	2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend	141.02	29.41	
		For Work In Restricted Working Space, Add	17.68		
22 66 53 00-0120	EA	3" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend	202.73	33.64	
		For Work In Restricted Working Space, Add	20.18		
22 66 53 00-0121	EA	4" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend	299.71	44.62	
		For Work In Restricted Working Space, Add	26.78		
22 66 53 00-0122		Glass Acid Resistant DWV 90 Degree Bends With Long Leg (22 66 53 00-0093)			
22 66 53 00-0123	EA	1-1/2" Glass Acid Resistant DWV 90 Degree Bend With Long Leg	146.02	28.15	
		For Work In Restricted Working Space, Add	16.85		
22 66 53 00-0124	EA	2" Glass Acid Resistant DWV 90 Degree Bends With Long Leg	176.53	29.41	
		For Work In Restricted Working Space, Add	17.68		
22 66 53 00-0125		Glass Acid Resistant DWV Double Quarter Bends (22 66 53 00-0093)			
22 66 53 00-0126	EA	1-1/2" Glass Acid Resistant DWV Double Quarter Bend	197.56	42.11	
		For Work In Restricted Working Space, Add	25.28		
22 66 53 00-0127	EA	2" x 1-1/2" Glass Acid Resistant DWV Double Quarter Bend	258.66	43.60	
		For Work In Restricted Working Space, Add	26.15		
22 66 53 00-0128	EA	2" Glass Acid Resistant DWV Double Quarter Bend	237.01	44.17	
		For Work In Restricted Working Space, Add	26.52		
22 66 53 00-0129	EA	3" Glass Acid Resistant DWV Double Quarter Bend	331.32	50.46	
		For Work In Restricted Working Space, Add	30.28		
22 66 53 00-0130	EA	4" Glass Acid Resistant DWV Double Quarter Bend	564.64	66.94	
		For Work In Restricted Working Space, Add	40.16		
22 66 53 00-0131	EA	6" Glass Acid Resistant DWV Double Quarter Bend	876.86	92.68	
		For Work In Restricted Working Space, Add	55.61		
22 66 53 00-0132		Glass Acid Resistant DWV Sanitary Tees (22 66 53 00-0093)			
22 66 53 00-0133	EA	1-1/2" Glass Acid Resistant DWV Sanitary Tee	186.87	42.34	
		For Work In Restricted Working Space, Add	25.40		
22 66 53 00-0134	EA	2" Glass Acid Resistant DWV Sanitary Tee	190.30	44.05	
		For Work In Restricted Working Space, Add	26.43		
22 66 53 00-0135	EA	3" Glass Acid Resistant DWV Sanitary Tee	253.12	50.34	
		For Work In Restricted Working Space, Add	30.21		
22 66 53 00-0136	EA	4" Glass Acid Resistant DWV Sanitary Tee	407.38	66.94	
		For Work In Restricted Working Space, Add	40.16		
22 66 53 00-0137	EA	6" Glass Acid Resistant DWV Sanitary Tee	918.07	92.68	
		For Work In Restricted Working Space, Add	55.61		
22 66 53 00-0138		Glass Acid Resistant DWV Reducing Sanitary Tees (22 66 53 00-0093)			
22 66 53 00-0139	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducing Sanitary Tee	189.16	43.48	
		For Work In Restricted Working Space, Add	26.09		
22 66 53 00-0140	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducing Sanitary Tee	229.73	47.48	
		For Work In Restricted Working Space, Add	28.49		
22 66 53 00-0141	EA	3" x 2" Glass Acid Resistant DWV Reducing Sanitary Tee	246.04	48.63	
		For Work In Restricted Working Space, Add	29.18		
22 66 53 00-0142	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducing Sanitary Tee	321.73	58.92	
		For Work In Restricted Working Space, Add	35.36		
22 66 53 00-0143	EA	4" x 2" Glass Acid Resistant DWV Reducing Sanitary Tee	339.68	59.50	
		For Work In Restricted Working Space, Add	35.70		
22 66 53 00-0144	EA	4" x 3" Glass Acid Resistant DWV Reducing Sanitary Tee	358.19	61.22	
		For Work In Restricted Working Space, Add	36.73		
22 66 53 00-0145	EA	6" x 2" Glass Acid Resistant DWV Reducing Sanitary Tee	667.61	76.66	
		For Work In Restricted Working Space, Add	46.00		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0146 EA 6" x 3" Glass Acid Resistant DWV Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	724.74 47.03	78.37
22 66 53 00-0147 EA 6" x 4" Glass Acid Resistant DWV Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	739.12 50.46	84.10
22 66 53 00-0148 Glass Acid Resistant DWV Double Sanitary Tees (22 66 53 00-0093)		
22 66 53 00-0149 EA 1-1/2" Glass Acid Resistant DWV Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	268.90 33.64	56.06
22 66 53 00-0150 EA 2" Glass Acid Resistant DWV Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	274.60 35.35	58.92
22 66 53 00-0151 EA 3" Glass Acid Resistant DWV Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	365.39 40.50	67.51
22 66 53 00-0152 EA 4" Glass Acid Resistant DWV Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	620.00 53.54	89.25
22 66 53 00-0153 EA 6" Glass Acid Resistant DWV Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	1,147.56 74.15	123.57
22 66 53 00-0154 Glass Acid Resistant DWV Reducing Double Sanitary Tees (22 66 53 00-0093)		
22 66 53 00-0155 EA 2" x 1-1/2" Glass Acid Resistant DWV Reducing Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	272.31 34.67	57.78
22 66 53 00-0156 EA 3" x 1-1/2" Glass Acid Resistant DWV Reducing Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	320.17 37.07	61.79
22 66 53 00-0157 EA 3" x 2" Glass Acid Resistant DWV Reducing Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	341.00 37.76	62.93
22 66 53 00-0158 EA 4" x 1-1/2" Glass Acid Resistant DWV Reducing Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	518.26 43.60	72.66
22 66 53 00-0159 EA 4" x 2" Glass Acid Resistant DWV Reducing Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	510.58 44.62	74.38
22 66 53 00-0160 EA 4" x 3" Glass Acid Resistant DWV Reducing Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	549.63 47.03	78.37
22 66 53 00-0161 EA 6" x 2" Glass Acid Resistant DWV Reducing Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	743.05 54.91	91.53
22 66 53 00-0162 EA 6" x 3" Glass Acid Resistant DWV Reducing Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	812.61 57.32	95.54
22 66 53 00-0163 EA 6" x 4" Glass Acid Resistant DWV Reducing Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	922.46 63.84	106.42
22 66 53 00-0164 Glass Acid Resistant DWV Tees (22 66 53 00-0093)		
22 66 53 00-0165 EA 1-1/2" Glass Acid Resistant DWV Tee <i>For Work In Restricted Working Space, Add</i>	211.13 25.40	42.34
22 66 53 00-0166 EA 2" Glass Acid Resistant DWV Tee <i>For Work In Restricted Working Space, Add</i>	214.55 26.43	44.05
22 66 53 00-0167 EA 3" Glass Acid Resistant DWV Tee <i>For Work In Restricted Working Space, Add</i>	283.26 30.21	50.34
22 66 53 00-0168 EA 4" Glass Acid Resistant DWV Tee <i>For Work In Restricted Working Space, Add</i>	454.65 40.16	66.94
22 66 53 00-0169 EA 6" Glass Acid Resistant DWV Tee <i>For Work In Restricted Working Space, Add</i>	974.73 55.61	92.68
22 66 53 00-0170 Glass Acid Resistant DWV Reducing Tees (22 66 53 00-0093)		
22 66 53 00-0171 EA 2" x 1-1/2" Glass Acid Resistant DWV Reducing Tee <i>For Work In Restricted Working Space, Add</i>	213.39 26.08	43.48
22 66 53 00-0172 EA 3" x 1-1/2" Glass Acid Resistant DWV Reducing Tee <i>For Work In Restricted Working Space, Add</i>	255.02 28.49	47.48
22 66 53 00-0173 EA 3" x 2" Glass Acid Resistant DWV Reducing Tee <i>For Work In Restricted Working Space, Add</i>	260.95 29.18	48.63
22 66 53 00-0174 EA 4" x 1-1/2" Glass Acid Resistant DWV Reducing Tee <i>For Work In Restricted Working Space, Add</i>	327.28 35.36	58.92
22 66 53 00-0175 EA 4" x 2" Glass Acid Resistant DWV Reducing Tee <i>For Work In Restricted Working Space, Add</i>	337.07 35.70	59.50
22 66 53 00-0176 EA 4" x 3" Glass Acid Resistant DWV Reducing Tee <i>For Work In Restricted Working Space, Add</i>	415.02 36.74	61.22
22 66 53 00-0177 EA 6" x 3" Glass Acid Resistant DWV Reducing Tee <i>For Work In Restricted Working Space, Add</i>	828.65 47.02	78.37
22 66 53 00-0178 EA 6" x 4" Glass Acid Resistant DWV Reducing Tee <i>For Work In Restricted Working Space, Add</i>	860.69 50.45	84.10
22 66 53 00-0179 Glass Acid Resistant DWV Test Tees With Cleanout (22 66 53 00-0093)		
22 66 53 00-0180 EA 1-1/2" Glass Acid Resistant DWV Test Tee With Cleanout <i>For Work In Restricted Working Space, Add</i>	252.70 25.40	42.34
22 66 53 00-0181 EA 2" Glass Acid Resistant DWV Test Tee With Cleanout..... <i>For Work In Restricted Working Space, Add</i>	285.05 26.43	44.05
22 66 53 00-0182 EA 3" Glass Acid Resistant DWV Test Tee With Cleanout..... <i>For Work In Restricted Working Space, Add</i>	372.12 30.21	50.34
22 66 53 00-0183 EA 4" Glass Acid Resistant DWV Test Tee With Cleanout..... <i>For Work In Restricted Working Space, Add</i>	657.14 40.16	66.94
22 66 53 00-0184 EA 6" Glass Acid Resistant DWV Test Tee With Cleanout..... <i>For Work In Restricted Working Space, Add</i>	974.73 55.61	92.68
22 66 53 00-0185 Glass Acid Resistant DWV Wyes (22 66 53 00-0093)		

22 Plumbing**22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
22 66 53 00-0186	EA 1-1/2" Glass Acid Resistant DWV Wye..... <i>For Work In Restricted Working Space, Add</i>	192.07 25.40		42.34	
22 66 53 00-0187	EA 2" Glass Acid Resistant DWV Wye..... <i>For Work In Restricted Working Space, Add</i>	195.49 26.43		44.05	
22 66 53 00-0188	EA 3" Glass Acid Resistant DWV Wye..... <i>For Work In Restricted Working Space, Add</i>	273.91 30.21		50.34	
22 66 53 00-0189	EA 4" Glass Acid Resistant DWV Wye..... <i>For Work In Restricted Working Space, Add</i>	430.57 40.16		66.94	
22 66 53 00-0190	EA 6" Glass Acid Resistant DWV Wye..... <i>For Work In Restricted Working Space, Add</i>	902.15 55.61		92.68	
22 66 53 00-0191 Glass Acid Resistant DWV Reducing Wyes (22 66 53 00-0093)					
22 66 53 00-0192	EA 2" x 1-1/2" Glass Acid Resistant DWV Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	194.33 26.08		43.48	
22 66 53 00-0193	EA 3" x 1-1/2" Glass Acid Resistant DWV Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	240.47 28.49		47.48	
22 66 53 00-0194	EA 3" x 2" Glass Acid Resistant DWV Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	247.27 29.18		48.63	
22 66 53 00-0195	EA 4" x 1-1/2" Glass Acid Resistant DWV Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	342.52 35.36		58.92	
22 66 53 00-0196	EA 4" x 2" Glass Acid Resistant DWV Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	345.73 35.70		59.50	
22 66 53 00-0197	EA 4" x 3" Glass Acid Resistant DWV Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	378.65 36.74		61.22	
22 66 53 00-0198	EA 6" x 2" Glass Acid Resistant DWV Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	645.06 45.99		76.66	
22 66 53 00-0199	EA 6" x 3" Glass Acid Resistant DWV Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	756.59 47.02		78.37	
22 66 53 00-0200	EA 6" x 4" Glass Acid Resistant DWV Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	823.27 50.45		84.10	
22 66 53 00-0201 Glass Acid Resistant DWV Double Wyes (22 66 53 00-0093)					
22 66 53 00-0202	EA 1-1/2" Glass Acid Resistant DWV Double Wye..... <i>For Work In Restricted Working Space, Add</i>	321.20 33.64		56.06	
22 66 53 00-0203	EA 2" Glass Acid Resistant DWV Double Wye..... <i>For Work In Restricted Working Space, Add</i>	326.93 35.36		58.92	
22 66 53 00-0204	EA 3" Glass Acid Resistant DWV Double Wye..... <i>For Work In Restricted Working Space, Add</i>	446.61 40.50		67.51	
22 66 53 00-0205	EA 4" Glass Acid Resistant DWV Double Wye..... <i>For Work In Restricted Working Space, Add</i>	702.95 53.54		89.25	
22 66 53 00-0206	EA 6" Glass Acid Resistant DWV Double Wye..... <i>For Work In Restricted Working Space, Add</i>	1,192.38 74.17		123.57	
22 66 53 00-0207 Glass Acid Resistant DWV Reducing Double Wyes (22 66 53 00-0093)					
22 66 53 00-0208	EA 2" x 1-1/2" Glass Acid Resistant DWV Reducing Double Wye..... <i>For Work In Restricted Working Space, Add</i>	324.60 34.66		57.78	
22 66 53 00-0209	EA 3" x 1-1/2" Glass Acid Resistant DWV Reducing Double Wye..... <i>For Work In Restricted Working Space, Add</i>	332.63 37.07		61.79	
22 66 53 00-0210	EA 3" x 2" Glass Acid Resistant DWV Reducing Double Wye..... <i>For Work In Restricted Working Space, Add</i>	391.74 37.76		62.93	
22 66 53 00-0211	EA 4" x 1-1/2" Glass Acid Resistant DWV Reducing Double Wye..... <i>For Work In Restricted Working Space, Add</i>	485.72 43.61		72.66	
22 66 53 00-0212	EA 4" x 2" Glass Acid Resistant DWV Reducing Double Wye..... <i>For Work In Restricted Working Space, Add</i>	514.76 44.63		74.38	
22 66 53 00-0213	EA 4" x 3" Glass Acid Resistant DWV Reducing Double Wye..... <i>For Work In Restricted Working Space, Add</i>	613.17 47.02		78.37	
22 66 53 00-0214	EA 6" x 2" Glass Acid Resistant DWV Reducing Double Wye..... <i>For Work In Restricted Working Space, Add</i>	973.64 54.91		91.53	
22 66 53 00-0215	EA 6" x 3" Glass Acid Resistant DWV Reducing Double Wye..... <i>For Work In Restricted Working Space, Add</i>	1,022.35 57.32		95.54	
22 66 53 00-0216	EA 6" x 4" Glass Acid Resistant DWV Reducing Double Wye..... <i>For Work In Restricted Working Space, Add</i>	1,089.30 63.85		106.42	
22 66 53 00-0217 Glass Acid Resistant DWV Combination Wye And 1/8 Bends (22 66 53 00-0093)					
22 66 53 00-0218	EA 1-1/2" Glass Acid Resistant DWV Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	219.50 25.40		42.34	
22 66 53 00-0219	EA 2" Glass Acid Resistant DWV Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	224.07 26.43		44.05	
22 66 53 00-0220	EA 3" Glass Acid Resistant DWV Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	290.88 30.21		50.34	
22 66 53 00-0221	EA 4" Glass Acid Resistant DWV Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	439.40 40.16		66.94	
22 66 53 00-0222	EA 6" Glass Acid Resistant DWV Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	877.38 55.61		92.68	
22 66 53 00-0223 Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bends (22 66 53 00-0093)					
22 66 53 00-0224	EA 2" x 1-1/2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	222.91 26.08		43.48	
22 66 53 00-0225	EA 3" x 1-1/2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	244.80 28.49		47.48	
22 66 53 00-0226	EA 3" x 2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	264.59 29.18		48.63	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0227 EA 4" x 1-1/2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	332.13 35.36	58.92
22 66 53 00-0228 EA 4" x 2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	347.98 35.70	59.50
22 66 53 00-0229 EA 4" x 3" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	381.25 36.74	61.22
22 66 53 00-0230 EA 6" x 2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	646.62 45.99	76.66
22 66 53 00-0231 EA 6" x 3" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	741.52 47.02	78.37
22 66 53 00-0232 EA 6" x 4" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	753.99 50.45	84.10
 22 66 53 00-0233 Glass Acid Resistant DWV Double Combination Wye And 1/8 Bends (22 66 53 00-0093)		
22 66 53 00-0234 EA 1-1/2" Double Glass Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	295.22 33.64	56.06
22 66 53 00-0235 EA 2" Double Glass Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	348.76 35.36	58.92
22 66 53 00-0236 EA 3" Double Glass Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	479.52 40.50	67.51
22 66 53 00-0237 EA 4" Double Glass Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	779.51 53.54	89.25
22 66 53 00-0238 EA 6" Double Glass Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	1,314.58 74.17	123.57
 22 66 53 00-0239 Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bends (22 66 53 00-0093)		
22 66 53 00-0240 EA 2" x 1-1/2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	302.60 34.66	57.78
22 66 53 00-0241 EA 3" x 1-1/2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	393.95 37.07	61.79
22 66 53 00-0242 EA 3" x 2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	386.19 37.76	62.93
22 66 53 00-0243 EA 4" x 1-1/2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	528.33 43.61	72.66
22 66 53 00-0244 EA 4" x 2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	521.51 44.63	74.38
22 66 53 00-0245 EA 4" x 3" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	589.09 47.02	78.37
22 66 53 00-0246 EA 6" x 2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	862.03 54.91	91.53
22 66 53 00-0247 EA 6" x 3" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	920.15 57.32	95.54
22 66 53 00-0248 EA 6" x 4" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	1,077.18 63.85	106.42
 22 66 53 00-0249 Glass Acid Resistant DWV Partition Crosses (Compact) (22 66 53 00-0093)		
22 66 53 00-0250 EA 2" x 1-1/2" Glass Acid Resistant DWV Partition Cross (Compact) <i>For Work In Restricted Working Space, Add</i>	337.25 34.66	57.78
22 66 53 00-0251 EA 2" Glass Acid Resistant DWV Partition Cross (Compact) <i>For Work In Restricted Working Space, Add</i>	339.58 35.36	58.92
22 66 53 00-0252 EA 2" x 1-1/2" x 1-1/2" x 1-1/2" Glass Acid Resistant DWV Partition Cross (Compact) <i>For Work In Restricted Working Space, Add</i>	368.36 34.33	57.21
 22 66 53 00-0253 Glass Acid Resistant DWV Upright Y Or H (Vent Branch) (22 66 53 00-0093)		
22 66 53 00-0254 EA 1-1/2" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch) <i>For Work In Restricted Working Space, Add</i>	343.47 25.40	42.34
22 66 53 00-0255 EA 2" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch) <i>For Work In Restricted Working Space, Add</i>	380.66 26.43	44.05
22 66 53 00-0256 EA 3" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch) <i>For Work In Restricted Working Space, Add</i>	438.29 30.21	50.34
22 66 53 00-0257 EA 4" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch) <i>For Work In Restricted Working Space, Add</i>	649.00 40.16	66.94
22 66 53 00-0258 EA 6" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch) <i>For Work In Restricted Working Space, Add</i>	1,246.68 55.61	92.68
 22 66 53 00-0259 Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch) (22 66 53 00-0093)		
22 66 53 00-0260 EA 2" x 1-1/2" Reducing Glass Upright Y Or H (Vent Branch) <i>For Work In Restricted Working Space, Add</i>	344.69 26.08	43.48
22 66 53 00-0261 EA 3" x 1-1/2" Reducing Glass Upright Y Or H (Vent Branch) <i>For Work In Restricted Working Space, Add</i>	395.33 28.49	47.48
22 66 53 00-0262 EA 3" x 2" Reducing Glass Upright Y Or H (Vent Branch) <i>For Work In Restricted Working Space, Add</i>	422.73 29.18	48.63
22 66 53 00-0263 EA 4" x 1-1/2" Reducing Glass Upright Y Or H (Vent Branch) <i>For Work In Restricted Working Space, Add</i>	438.02 35.36	58.92
22 66 53 00-0264 EA 4" x 2" Reducing Glass Upright Y Or H (Vent Branch) <i>For Work In Restricted Working Space, Add</i>	519.12 35.70	59.50
22 66 53 00-0265 EA 4" x 3" Reducing Glass Upright Y Or H (Vent Branch) <i>For Work In Restricted Working Space, Add</i>	573.86 36.74	61.22
22 66 53 00-0266 EA 6" x 3" Reducing Glass Upright Y Or H (Vent Branch) <i>For Work In Restricted Working Space, Add</i>	835.75 47.02	78.37

22 Plumbing**22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
22 66 53 00-0267	EA 6" x 4" Reducing Glass Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	956.65 50.45		84.10
22 66 53 00-0268	Glass Acid Resistant DWV Reducers Or Increasesers (22 66 53 00-0093)			
22 66 53 00-0269	EA 2" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Work In Restricted Working Space, Add</i> <i>For Eccentric Reducers Or Increasesers, Add</i>	112.64 17.16 4.43		28.61
22 66 53 00-0270	EA 3" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Work In Restricted Working Space, Add</i> <i>For Eccentric Reducers Or Increasesers, Add</i>	144.07 18.54 6.58		30.89
22 66 53 00-0271	EA 3" x 2" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Work In Restricted Working Space, Add</i> <i>For Eccentric Reducers Or Increasesers, Add</i>	155.08 18.88 7.37		31.46
22 66 53 00-0272	EA 4" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Work In Restricted Working Space, Add</i> <i>For Eccentric Reducers Or Increasesers, Add</i>	201.93 21.97 10.30		36.61
22 66 53 00-0273	EA 4" x 2" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Work In Restricted Working Space, Add</i> <i>For Eccentric Reducers Or Increasesers, Add</i>	211.05 22.31 10.93		37.18
22 66 53 00-0274	EA 4" x 3" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Work In Restricted Working Space, Add</i> <i>For Eccentric Reducers Or Increasesers, Add</i>	225.55 23.34 11.82		38.91
22 66 53 00-0275	EA 6" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Work In Restricted Working Space, Add</i> <i>For Eccentric Reducers Or Increasesers, Add</i>	464.54 27.12 29.93		45.20
22 66 53 00-0276	EA 6" x 2" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Work In Restricted Working Space, Add</i> <i>For Eccentric Reducers Or Increasesers, Add</i>	489.41 27.46 31.83		45.77
22 66 53 00-0277	EA 6" x 3" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Work In Restricted Working Space, Add</i> <i>For Eccentric Reducers Or Increasesers, Add</i>	520.04 28.49 34.01		47.48
22 66 53 00-0278	EA 6" x 4" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Work In Restricted Working Space, Add</i> <i>For Eccentric Reducers Or Increasesers, Add</i>	543.78 31.92 34.99		53.20
22 66 53 00-0279	Glass Acid Resistant DWV Swivel P-Traps (22 66 53 00-0093)			
22 66 53 00-0280	EA 1-1/2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	279.71 25.40		42.34
22 66 53 00-0281	EA 2" x 1-1/2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	300.54 26.09		43.48
22 66 53 00-0282	EA 2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	340.65 26.43		44.05
22 66 53 00-0283	EA 1-1/2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	305.00 25.40		42.34
22 66 53 00-0284	EA 2" x 1-1/2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	332.75 26.09		43.48
22 66 53 00-0285	EA 2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	377.02 26.43		44.05
22 66 53 00-0286	EA 1-1/2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	311.93 25.40		42.34
22 66 53 00-0287	EA 2" x 1-1/2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	332.75 26.09		43.48
22 66 53 00-0288	EA 2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	377.02 26.43		44.05
22 66 53 00-0289	Glass Acid Resistant DWV Drum P-Traps (22 66 53 00-0093)			
22 66 53 00-0290	EA 1-1/2" Glass Acid Resistant DWV Drum P-Trap..... <i>For Work In Restricted Working Space, Add</i>	390.57 25.40		42.34
22 66 53 00-0291	EA 2" x 1-1/2" Glass Acid Resistant DWV Drum P-Trap..... <i>For Work In Restricted Working Space, Add</i>	497.48 26.09		43.48
22 66 53 00-0292	EA 2" Glass Acid Resistant DWV Drum P-Trap..... <i>For Work In Restricted Working Space, Add</i>	512.48 26.43		44.05
22 66 53 00-0293	EA 1-1/2" Glass Acid Resistant DWV Drum P-Trap..... <i>For Work In Restricted Working Space, Add</i>	432.66 25.40		42.34
22 66 53 00-0294	EA 2" x 1-1/2" Glass Acid Resistant DWV Drum P-Trap..... <i>For Work In Restricted Working Space, Add</i>	459.55 26.09		43.48
22 66 53 00-0295	EA 2" Glass Acid Resistant DWV Drum P-Trap..... <i>For Work In Restricted Working Space, Add</i>	520.62 26.43		44.05
22 66 53 00-0296	Glass Acid Resistant DWV Cleanout Plugs (22 66 53 00-0093)			
22 66 53 00-0297	EA 1-1/2" Glass Acid Resistant DWV Cleanout Plug..... <i>For Work In Restricted Working Space, Add</i>	54.42 8.58		14.30
22 66 53 00-0298	EA 2" Glass Acid Resistant DWV Cleanout Plug..... <i>For Work In Restricted Working Space, Add</i>	62.31 8.93		14.87
22 66 53 00-0299	EA 3" Glass Acid Resistant DWV Cleanout Plug..... <i>For Work In Restricted Working Space, Add</i>	79.79 9.96		16.59
22 66 53 00-0300	EA 4" Glass Acid Resistant DWV Cleanout Plug..... <i>For Work In Restricted Working Space, Add</i>	128.46 13.39		22.31
22 66 53 00-0301	EA 6" Glass Acid Resistant DWV Cleanout Plug..... <i>For Work In Restricted Working Space, Add</i>	184.25 18.54		30.89
22 66 53 00-0302	Glass Acid Resistant DWV Sink Fittings (22 66 53 00-0093)			

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0303	EA	1-1/2" Glass Acid Resistant DWV Interceptor Trap <i>For Work In Restricted Working Space, Add</i>	851.94 33.64	56.06
22 66 53 00-0304	EA	1-1/2" x 6-1/2" Long Glass Acid Resistant DWV Tailpiece Assembly <i>For Work In Restricted Working Space, Add</i>	76.59 8.58	14.30
22 66 53 00-0305	EA	1-1/2" x 10-1/2" Long Glass Acid Resistant DWV Tailpiece Assembly <i>For Work In Restricted Working Space, Add</i>	85.77 8.58	14.30
22 66 53 00-0306	EA	1-1/2" Split Coupling (Threaded To Beaded Pipe) For Glass Acid Resistant DWV Pipe And Fittings <i>For Work In Restricted Working Space, Add</i>	114.03 17.16	28.61
22 66 53 00-0307	EA	3" Diameter Hemispherical Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings..... <i>For Work In Restricted Working Space, Add</i>	249.17 17.85	29.75
22 66 53 00-0308	EA	6" Diameter Hemispherical Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings..... <i>For Work In Restricted Working Space, Add</i>	252.64 17.85	29.75
22 66 53 00-0309	EA	3" x 9" Oval Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings <i>For Work In Restricted Working Space, Add</i>	287.28 17.85	29.75
22 66 53 00-0310	EA	3" x 6" Oval Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings <i>For Work In Restricted Working Space, Add</i>	230.46 17.85	29.75
22 66 53 00-0311 Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapters (22 66 53 00-0093)				
Note: Includes teflon spacer.				
22 66 53 00-0312	EA	1-1/2" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter <i>For Work In Restricted Working Space, Add</i>	212.96 25.33	42.22
22 66 53 00-0313	EA	2" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter <i>For Work In Restricted Working Space, Add</i>	222.11 26.57	44.28
22 66 53 00-0314	EA	3" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter <i>For Work In Restricted Working Space, Add</i>	314.00 30.28	50.46
22 66 53 00-0315	EA	4" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter <i>For Work In Restricted Working Space, Add</i>	451.14 40.19	67.05
22 66 53 00-0316 Bead To Bead Drainline Couplings For Glass Acid Resistant DWV Pipe And Fittings (22 66 53 00-0093)				
Note: Includes segmented stainless steel outer band, Buna-N rubber compression liner with TFE seal ring, stainless steel bolt and silver plated stainless hex nut.				
22 66 53 00-0317	EA	1-1/2" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	43.48	
22 66 53 00-0318	EA	2" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	54.85	
22 66 53 00-0319	EA	3" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	73.33	
22 66 53 00-0320	EA	4" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	123.56	
22 66 53 00-0321	EA	6" Bead To Bead, Stainless Steel, TFE Seal Ring Couplings, Glass Piping.....	287.83	
22 66 53 00-0322 Bead To Plain End Drainline Couplings For Glass Acid Resistant DWV Pipe And Fittings (22 66 53 00-0093)				
Note: Includes stainless steel band with bolt, Buna-N rubber compression liner with TFE seal ring and silver plated stainless hex nut.				
22 66 53 00-0323	EA	1-1/2" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	56.06	
22 66 53 00-0324	EA	2" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	70.15	
22 66 53 00-0325	EA	3" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	119.12	
22 66 53 00-0326	EA	4" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	177.55	
22 66 53 00-0327	EA	6" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	432.91	
22 66 53 00-0328 Bell And Spigot High Silicon Iron Alloy Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings (22 66 53)				
Note: Acid resistant. ASTM A518.				
22 66 53 00-0329 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe (22 66 53 00-0328)				
22 66 53 00-0330	LF	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	117.22	10.18
22 66 53 00-0331	LF	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	165.07	12.70
22 66 53 00-0332	LF	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	224.77	14.65
22 66 53 00-0333	LF	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	368.94	20.42
22 66 53 00-0334	LF	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	651.65	27.36
22 66 53 00-0335	LF	10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	1,153.46	34.51
22 66 53 00-0336	LF	12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	2,057.90	46.48
22 66 53 00-0337	LF	15" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	3,667.54	53.29
22 66 53 00-0338 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Fittings (22 66 53 00-0328)				
22 66 53 00-0339 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweeps (22 66 53 00-0338)				
22 66 53 00-0340	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	465.63	86.73
22 66 53 00-0341	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	609.78	95.43
22 66 53 00-0342	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	992.93	114.19
22 66 53 00-0343	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	1,479.06	134.88
22 66 53 00-0344	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	3,405.22	219.89
22 66 53 00-0345 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bends (22 66 53 00-0338)				
22 66 53 00-0346	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	268.90	86.73
22 66 53 00-0347	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	351.33	95.43
22 66 53 00-0348	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	441.31	114.19
22 66 53 00-0349	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	1,174.32	134.88
22 66 53 00-0350	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	2,671.15	219.89

22 Plumbing**22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**
 MINOR
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 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 66 53 00-0351	EA	10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	4,061.30	273.95
22 66 53 00-0352	EA	12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	5,969.67	329.45

22 66 53 00-0353 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bends (22 66 53 00-0338)

22 66 53 00-0354	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	268.90	86.73
22 66 53 00-0355	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	351.33	95.43
22 66 53 00-0356	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	441.31	114.19
22 66 53 00-0357	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	858.01	134.88
22 66 53 00-0358	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	2,262.26	219.89
22 66 53 00-0359	EA	10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	3,309.67	273.95
22 66 53 00-0360	EA	12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	4,697.29	329.45

22 66 53 00-0361 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bends (22 66 53 00-0338)

22 66 53 00-0362	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	268.90	86.73
22 66 53 00-0363	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	351.33	95.43
22 66 53 00-0364	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	441.04	114.08

22 66 53 00-0365 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweeps (22 66 53 00-0338)

22 66 53 00-0366	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep.....	369.19	86.73
22 66 53 00-0367	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep.....	656.07	95.43
22 66 53 00-0368	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep.....	734.48	114.19

22 66 53 00-0369 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tees (22 66 53 00-0338)

22 66 53 00-0370	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	379.76	129.76
22 66 53 00-0371	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	477.95	143.83
22 66 53 00-0372	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	666.41	171.74
22 66 53 00-0373	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	1,113.96	202.69
22 66 53 00-0374	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	3,430.47	330.11
22 66 53 00-0375	EA	10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	4,874.56	412.20

22 66 53 00-0376 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tees (22 66 53 00-0338)

22 66 53 00-0377	EA	2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	356.24	124.38
22 66 53 00-0378	EA	3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	416.26	133.53
22 66 53 00-0379	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	465.67	138.22
22 66 53 00-0380	EA	4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	533.58	152.64
22 66 53 00-0381	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	571.73	157.44
22 66 53 00-0382	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	628.74	162.14
22 66 53 00-0383	EA	6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	784.38	175.40
22 66 53 00-0384	EA	6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	871.53	179.92
22 66 53 00-0385	EA	6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	976.49	188.19

22 66 53 00-0386 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tees (22 66 53 00-0338)

22 66 53 00-0387	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee.....	433.69	129.76
22 66 53 00-0388	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee.....	523.68	143.48
22 66 53 00-0389	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee.....	716.52	171.74

22 66 53 00-0390 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tees (22 66 53 00-0338)

22 66 53 00-0391	EA	2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee.....	410.20	124.38
22 66 53 00-0392	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee.....	512.93	138.91
22 66 53 00-0393	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee.....	618.69	157.90
22 66 53 00-0394	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee.....	664.18	162.59

22 66 53 00-0395 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wyes (22 66 53 00-0338)

22 66 53 00-0396	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye.....	376.13	129.99
22 66 53 00-0397	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye.....	520.38	143.83
22 66 53 00-0398	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye.....	666.21	171.63
22 66 53 00-0399	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye.....	1,120.50	201.95
22 66 53 00-0400	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye.....	4,301.74	329.79

22 66 53 00-0401 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wyes (22 66 53 00-0338)

22 66 53 00-0402	EA	2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	387.06	124.38
22 66 53 00-0403	EA	3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	416.20	133.53
22 66 53 00-0404	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	439.88	139.02
22 66 53 00-0405	EA	4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	491.15	152.64
22 66 53 00-0406	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	510.28	157.68
22 66 53 00-0407	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	614.03	162.59
22 66 53 00-0408	EA	6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	826.50	175.61
22 66 53 00-0409	EA	6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	983.40	179.92
22 66 53 00-0410	EA	6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	1,026.64	188.19
22 66 53 00-0411	EA	8" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	2,524.36	266.04

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0412	EA	8" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	2,726.54	274.84
22 66 53 00-0413	EA	8" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	3,337.73	288.90
22 66 53 00-0414		Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bends (22 66 53 00-0338)		
22 66 53 00-0415	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	449.05	129.76
22 66 53 00-0416	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	535.25	143.48
22 66 53 00-0417	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	793.66	171.74
22 66 53 00-0418	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	1,221.18	202.16
22 66 53 00-0419		Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bends (22 66 53 00-0338)		
22 66 53 00-0420	EA	2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	371.63	124.38
22 66 53 00-0421	EA	3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	431.63	133.53
22 66 53 00-0422	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	478.21	138.91
22 66 53 00-0423	EA	4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	518.15	152.64
22 66 53 00-0424	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	599.40	157.90
22 66 53 00-0425	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	679.54	162.48
22 66 53 00-0426	EA	6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	876.57	175.61
22 66 53 00-0427	EA	6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	1,095.33	180.02
22 66 53 00-0428	EA	6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	1,200.69	188.51
22 66 53 00-0429		Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducers (22 66 53 00-0338)		
22 66 53 00-0430	EA	2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	230.47	81.70
22 66 53 00-0431	EA	3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	252.73	86.27
22 66 53 00-0432	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	282.75	90.85
22 66 53 00-0433	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	455.77	100.69
22 66 53 00-0434	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	478.08	105.38
22 66 53 00-0435	EA	6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	515.93	112.53
22 66 53 00-0436	EA	6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	671.52	121.13
22 66 53 00-0437	EA	8" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	976.29	164.95
22 66 53 00-0438	EA	8" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	1,039.68	178.91
22 66 53 00-0439		Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increasers (22 66 53 00-0338)		
22 66 53 00-0440	EA	2" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	617.79	190.74
22 66 53 00-0441	EA	2" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	818.38	190.74
22 66 53 00-0442	EA	3" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	836.38	190.74
22 66 53 00-0443	EA	4" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	935.49	250.95
22 66 53 00-0444		Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Traps (22 66 53 00-0338)		
22 66 53 00-0445	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	693.22	86.73
22 66 53 00-0446	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	837.37	95.43
22 66 53 00-0447	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	1,019.93	114.19
22 66 53 00-0448	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	3,014.32	134.88
22 66 53 00-0449		Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hubs (22 66 53 00-0338)		
22 66 53 00-0450	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	342.19	86.73
22 66 53 00-0451	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	432.34	95.43
22 66 53 00-0452	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	595.61	114.19
22 66 53 00-0453	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	764.78	134.88
22 66 53 00-0454	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	1,493.44	188.19
22 66 53 00-0455		Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings (22 66 53 00-0328)		
Note: Labor costs for installation of lead and oakum are included in the installation costs for fittings.				
22 66 53 00-0456	LB	Lead (1 Lb./Diameter Inch) Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings.....	7.12	
22 66 53 00-0457	LB	Seal-Tite Packing (1/8 Lb./Diameter Inch) Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings	70.72	
22 66 53 00-0458		Mechanical Joint High Silicon Iron Alloy Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings (22 66 53)		
Note: ASTM A518.				
22 66 53 00-0459		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe (22 66 53 00-0458)		
22 66 53 00-0460	LF	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	93.02	7.66
22 66 53 00-0461	LF	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	105.88	8.47
22 66 53 00-0462	LF	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	146.09	10.64
22 66 53 00-0463	LF	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	184.33	12.35
22 66 53 00-0464		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Fittings (22 66 53 00-0458)		

22 Plumbing**22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**
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22 66 53 00-0465		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweeps		
		(22 66 53 00-0464)		
22 66 53 00-0466	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep	341.85	60.75
22 66 53 00-0467	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep	369.14	68.65
22 66 53 00-0468	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep	506.97	75.75
22 66 53 00-0469	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep	611.78	91.53
22 66 53 00-0470		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bends (22 66		
		53 00-0464)		
22 66 53 00-0471	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	191.41	60.75
22 66 53 00-0472	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	229.22	67.96
22 66 53 00-0473	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	295.21	75.98
22 66 53 00-0474	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	387.01	90.85
22 66 53 00-0475	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	223.55	64.19
22 66 53 00-0476		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bends (22 66		
		53 00-0464)		
22 66 53 00-0477	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	191.41	60.75
22 66 53 00-0478	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	229.22	67.96
22 66 53 00-0479	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	295.21	75.98
22 66 53 00-0480	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	387.01	90.85
22 66 53 00-0481		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bends (22 66		
		53 00-0464)		
22 66 53 00-0482	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend	226.13	60.75
22 66 53 00-0483	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend	283.22	67.96
22 66 53 00-0484	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend	437.94	75.98
22 66 53 00-0485	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend	491.17	90.85
22 66 53 00-0486		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bends (22		
		66 53 00-0464)		
22 66 53 00-0487	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	218.42	60.75
22 66 53 00-0488	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	260.08	67.96
22 66 53 00-0489	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	403.22	75.98
22 66 53 00-0490	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	456.45	90.85
22 66 53 00-0491		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double		
		Branch 1/4 Bends (22 66 53 00-0464)		
22 66 53 00-0492	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Branch 1/4 Bend	329.95	91.42
22 66 53 00-0493		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary		
		Straight Tees (22 66 53 00-0464)		
22 66 53 00-0494	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee	268.23	91.42
22 66 53 00-0495	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee	331.83	102.98
22 66 53 00-0496	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee	438.22	114.76
22 66 53 00-0497	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee	664.99	137.42
22 66 53 00-0498		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary		
		Reducing Tees (22 66 53 00-0464)		
22 66 53 00-0499	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee	310.59	99.09
22 66 53 00-0500	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee	380.03	106.87
22 66 53 00-0501	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee	404.99	110.64
22 66 53 00-0502	EA	4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee	433.71	122.08
22 66 53 00-0503	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee	477.54	125.52
22 66 53 00-0504	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee	517.96	129.29
22 66 53 00-0505		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wyes (22 66 53 00-0464)		
22 66 53 00-0506	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye	268.68	91.77
22 66 53 00-0507	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye	316.40	102.98
22 66 53 00-0508	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye	422.79	114.76
22 66 53 00-0509	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye	664.99	137.42
22 66 53 00-0510		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing		
		Wyes (22 66 53 00-0464)		
22 66 53 00-0511	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	299.78	99.66
22 66 53 00-0512	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	368.43	106.76
22 66 53 00-0513	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	386.19	110.99
22 66 53 00-0514	EA	4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	434.26	122.44
22 66 53 00-0515	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	478.57	126.21
22 66 53 00-0516	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	506.86	129.63
22 66 53 00-0517		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wyes		
		(22 66 53 00-0464)		
22 66 53 00-0518	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	403.08	122.20
22 66 53 00-0519	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	514.72	137.54

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0520 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	660.15	152.18
22 66 53 00-0521 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	860.64	182.96
22 66 53 00-0522 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	444.80	129.41
22 66 53 00-0523 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	498.67	137.08
22 66 53 00-0524 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	594.95	144.63
22 66 53 00-0525 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	656.70	160.19
22 66 53 00-0526 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	792.31	168.31
 22 66 53 00-0527 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Crosses (22 66 53 00-0464)		
22 66 53 00-0528 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	449.30	122.20
22 66 53 00-0529 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	529.88	137.31
22 66 53 00-0530 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	761.74	152.98
22 66 53 00-0531 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	1,065.38	183.19
22 66 53 00-0532 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	483.32	129.41
22 66 53 00-0533 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	633.63	137.08
22 66 53 00-0534 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	668.16	144.63
22 66 53 00-0535 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	714.51	160.07
22 66 53 00-0536 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	911.00	167.62
 22 66 53 00-0537 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bends (22 66 53 00-0464)		
22 66 53 00-0538 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	298.63	91.08
22 66 53 00-0539 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	347.26	102.98
22 66 53 00-0540 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	422.79	114.76
22 66 53 00-0541 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	707.42	137.42
 22 66 53 00-0542 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bends (22 66 53 00-0464)		
22 66 53 00-0543 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	329.97	99.21
22 66 53 00-0544 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	368.89	107.10
22 66 53 00-0545 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	401.62	110.99
22 66 53 00-0546 EA 4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	546.13	122.44
22 66 53 00-0547 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	559.57	126.21
22 66 53 00-0548 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	626.44	129.63
 22 66 53 00-0549 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bends (22 66 53 00-0464)		
22 66 53 00-0550 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend	476.06	121.97
22 66 53 00-0551 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend	599.20	137.19
22 66 53 00-0552 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend	865.07	152.52
22 66 53 00-0553 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend	1,038.96	183.53
 22 66 53 00-0554 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bends (22 66 53 00-0464)		
22 66 53 00-0555 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	518.04	129.41
22 66 53 00-0556 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	622.02	136.96
22 66 53 00-0557 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	648.87	144.63
22 66 53 00-0558 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	722.22	160.07
22 66 53 00-0559 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	911.00	167.62
 22 66 53 00-0560 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducers-Increasers (22 66 53 00-0464)		
22 66 53 00-0561 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	224.51	64.87
22 66 53 00-0562 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	253.36	68.65
22 66 53 00-0563 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	297.52	80.10
22 66 53 00-0564 EA 4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	353.24	76.09
22 66 53 00-0565 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	374.38	79.86
22 66 53 00-0566 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	395.51	83.64
 22 66 53 00-0567 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tees (22 66 53 00-0464)		
22 66 53 00-0568 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	207.39	53.43
22 66 53 00-0569 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	241.03	60.41
22 66 53 00-0570 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	283.82	68.43
22 66 53 00-0571 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	518.38	83.30

22 Plumbing**22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 66 53 00-0572	Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plugs (22 66 53 00-0464)			
22 66 53 00-0573	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug.....	91.85	30.44
22 66 53 00-0574	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug.....	108.82	33.98
22 66 53 00-0575	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug.....	118.68	37.99
22 66 53 00-0576	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug.....	153.00	45.43
22 66 53 00-0577	Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Traps (22 66 53 00-0464)			
22 66 53 00-0578	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap.....	379.90	60.41
22 66 53 00-0579	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap.....	391.23	67.96
22 66 53 00-0580	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap.....	484.22	75.98
22 66 53 00-0581	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap.....	618.46	90.85
22 66 53 00-0582	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap.....	529.38	64.99
22 66 53 00-0583	EA	2" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap.....	729.86	72.54
22 66 53 00-0584	EA	3" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap.....	883.82	80.10
22 66 53 00-0585	EA	4" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap.....	1,099.66	95.43
22 66 53 00-0586	Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum Traps (22 66 53 00-0464)			
22 66 53 00-0587	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum P-Trap.....	709.02	68.99
22 66 53 00-0588	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum P-Trap.....	1,121.21	76.32
22 66 53 00-0589	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum S-Trap.....	739.46	68.65
22 66 53 00-0590	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum S-Trap.....	1,121.21	76.32
22 66 53 00-0591	Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Traps (22 66 53 00-0464)			
22 66 53 00-0592	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Short P-Trap.....	658.45	68.65
22 66 53 00-0593	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Short P-Trap.....	774.04	76.32
22 66 53 00-0594	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long P-Trap.....	762.60	68.65
22 66 53 00-0595	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long S-Trap.....	1,680.54	76.32
22 66 53 00-0596	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long S-Trap.....	997.78	76.32
22 66 53 00-0597	Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bends (22 66 53 00-0464)			
22 66 53 00-0598	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bend.....	272.83	61.10
22 66 53 00-0599	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bend.....	357.57	68.65
22 66 53 00-0600	Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapters (22 66 53 00-0464)			
22 66 53 00-0601	EA	1-1/2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter.....	138.08	45.77
22 66 53 00-0602	EA	1-1/2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter.....	255.68	49.66
22 66 53 00-0603	EA	2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter.....	186.11	57.21
22 66 53 00-0604	Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter (22 66 53 00-0464)			
22 66 53 00-0605	EA	1-1/2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter.....	259.68	65.10
22 66 53 00-0606	EA	1-1/2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter.....	284.22	68.65
22 66 53 00-0607	EA	1-1/2" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter.....	316.94	72.42
22 66 53 00-0608	EA	1-1/2" x 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter.....	339.66	79.86
22 66 53 00-0609	EA	2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter.....	317.00	72.54
22 66 53 00-0610	EA	2" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter.....	334.23	76.32
22 66 53 00-0611	EA	2" x 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter.....	360.79	83.64
22 66 53 00-0612	EA	3" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter.....	409.45	80.10
22 66 53 00-0613	EA	4" x 4" Mechanical Joint High Silicon Iron Alloy Hub To Mechanical Joint Adapter.....	505.63	95.43
22 66 53 00-0614	Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings (22 66 53 00-0464)			
22 66 53 00-0615	EA	1-1/2" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting.....	92.58	
22 66 53 00-0616	EA	2" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting.....	108.01	
22 66 53 00-0617	EA	3" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting.....	115.72	
22 66 53 00-0618	EA	4" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting.....	127.30	
22 66 53 00-0619	Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Fittings (22 66 53 00-0464)			
22 66 53 00-0620	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Outlet.....	682.25	30.55
22 66 53 00-0621	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Stopper.....	258.19	15.21
22 66 53 00-0622	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Overflow.....	481.93	15.21
22 66 53 00-0623	Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drains With Stainless Steel Strainer Plates (22 66 53 00-0464)			
22 66 53 00-0624	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drain With Stainless Steel Strainer.....	2,443.02	152.64
22 66 53 00-0625	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Sediment Basin Floor Drain With Stainless Steel Strainer.....	3,017.64	160.30
22 66 53 00-0626	EA	Stainless Steel Funnel Attachment For Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drain.....	2,036.47	15.21

22 66 53 00-0627		Chlorinated Polyvinyl Chloride (CPVC) Drain-Waste-Vent (DWV) Pipe And Fittings (ASTM F2618) (22 66 53)		
22 66 53 00-0628		Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe (22 66 53 00-0627)		
		Note: Excludes fittings or hangers.		
22 66 53 00-0629	LF	1-1/2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe.....	14.61	4.80
22 66 53 00-0630	LF	2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe.....	18.65	5.72
22 66 53 00-0631	LF	3" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe.....	30.50	8.24
22 66 53 00-0632	LF	4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe.....	39.17	8.92
22 66 53 00-0633	LF	6" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe.....	62.73	10.74
22 66 53 00-0634	LF	8" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe.....	140.04	14.29
22 66 53 00-0635		Chlorinated Polyvinyl Chloride (CPVC) DWV Fittings (22 66 53 00-0627)		
22 66 53 00-0636		Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends (22 66 53 00-0635)		
22 66 53 00-0637	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends.....	57.17	19.11
		Note: 0.125		
		For Work In Restricted Working Space, Add	8.58	
22 66 53 00-0638	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends.....	72.09	24.38
		Note: 0.16		
		For Work In Restricted Working Space, Add	10.98	
22 66 53 00-0639	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends.....	109.47	32.72
		Note: 0.215		
		For Work In Restricted Working Space, Add	14.76	
22 66 53 00-0640	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends.....	153.08	38.10
		Note: 0.25		
		For Work In Restricted Working Space, Add	17.16	
22 66 53 00-0641	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends.....	322.48	49.55
		Note: 0.325		
		For Work In Restricted Working Space, Add	22.31	
22 66 53 00-0642	EA	8" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends.....	445.92	66.71
		Note: 0.438		
		For Work In Restricted Working Space, Add	30.04	
22 66 53 00-0643		Chlorinated Polyvinyl Chloride (CPVC) DWV Long Sweep 1/4 Bends (22 66 53 00-0635)		
22 66 53 00-0644	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Long Sweep 1/4 Bends.....	58.16	19.11
		For Work In Restricted Working Space, Add	8.58	
22 66 53 00-0645	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Long Sweep 1/4 Bends.....	76.89	24.38
		For Work In Restricted Working Space, Add	10.98	
22 66 53 00-0646	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Long Sweep 1/4 Bends.....	118.13	32.72
		For Work In Restricted Working Space, Add	14.76	
22 66 53 00-0647	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Long Sweep 1/4 Bends.....	156.25	38.10
		For Work In Restricted Working Space, Add	17.16	
22 66 53 00-0648		Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends (22 66 53 00-0635)		
22 66 53 00-0649	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends.....	56.67	19.11
		For Work In Restricted Working Space, Add	8.58	
22 66 53 00-0650	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends.....	70.79	24.38
		For Work In Restricted Working Space, Add	10.98	
22 66 53 00-0651	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends.....	111.96	32.72
		For Work In Restricted Working Space, Add	14.76	
22 66 53 00-0652	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends.....	128.32	38.10
		For Work In Restricted Working Space, Add	17.16	
22 66 53 00-0653	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends.....	282.07	49.55
		For Work In Restricted Working Space, Add	22.31	
22 66 53 00-0654	EA	8" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends.....	399.58	66.71
		For Work In Restricted Working Space, Add	30.04	
22 66 53 00-0655		Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends (22 66 53 00-0635)		
22 66 53 00-0656	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends.....	57.24	19.11
		For Work In Restricted Working Space, Add	8.58	
22 66 53 00-0657	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends.....	70.75	24.38
		For Work In Restricted Working Space, Add	10.98	
22 66 53 00-0658	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends.....	110.93	32.72
		For Work In Restricted Working Space, Add	14.76	
22 66 53 00-0659	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends.....	136.38	38.10
		For Work In Restricted Working Space, Add	17.16	
22 66 53 00-0660	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends.....	232.69	49.55
		For Work In Restricted Working Space, Add	22.31	
22 66 53 00-0661	EA	8" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends.....	263.36	66.71
		For Work In Restricted Working Space, Add	30.04	
22 66 53 00-0662		Chlorinated Polyvinyl Chloride (CPVC) DWV Double 1/4 Bends (22 66 53 00-0635)		
22 66 53 00-0663	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double 1/4 Bends.....	307.98	49.21
		For Work In Restricted Working Space, Add	22.14	
22 66 53 00-0664	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double 1/4 Bends.....	238.09	36.61
		For Work In Restricted Working Space, Add	16.48	
22 66 53 00-0665	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double 1/4 Bends.....	147.71	28.61
		For Work In Restricted Working Space, Add	12.87	

22 Plumbing**22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 66 53 00-0666 Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees (22 66 53 00-0635)			
22 66 53 00-0667	EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees	78.39	28.61
	For Work In Restricted Working Space, Add	12.87	
22 66 53 00-0668	EA 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees	97.42	36.61
	For Work In Restricted Working Space, Add	16.48	
22 66 53 00-0669	EA 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees	158.86	49.21
	For Work In Restricted Working Space, Add	22.14	
22 66 53 00-0670	EA 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees	213.23	57.21
	For Work In Restricted Working Space, Add	25.75	
22 66 53 00-0671	EA 6" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees	536.24	74.26
	For Work In Restricted Working Space, Add	33.47	
22 66 53 00-0672	EA 8" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees	741.94	100.00
	For Work In Restricted Working Space, Add	45.05	
22 66 53 00-0673 Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees (22 66 53 00-0635)			
22 66 53 00-0674	EA 2" x 1-1/2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees	89.33	31.23
	For Work In Restricted Working Space, Add	14.07	
22 66 53 00-0675	EA 2" x 1-1/2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees	95.26	33.87
	For Work In Restricted Working Space, Add	15.28	
22 66 53 00-0676	EA 2" x 2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees	93.34	33.87
	For Work In Restricted Working Space, Add	15.28	
22 66 53 00-0677	EA 3" x 3" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees	137.33	42.34
	For Work In Restricted Working Space, Add	19.05	
22 66 53 00-0678	EA 3" x 3" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees	146.89	44.97
	For Work In Restricted Working Space, Add	20.25	
22 66 53 00-0679	EA 4" x 4" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees	189.36	50.34
	For Work In Restricted Working Space, Add	22.66	
22 66 53 00-0680	EA 4" x 4" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees	200.75	54.46
	For Work In Restricted Working Space, Add	24.54	
22 66 53 00-0681	EA 6" x 6" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees	400.36	68.54
	For Work In Restricted Working Space, Add	30.89	
22 66 53 00-0682	EA 8" x 8" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees	904.22	85.70
	For Work In Restricted Working Space, Add	38.62	
22 66 53 00-0683 Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tees (22 66 53 00-0635)			
22 66 53 00-0684	EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tees	110.67	38.10
	For Work In Restricted Working Space, Add	17.16	
22 66 53 00-0685	EA 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tees	136.27	48.74
	For Work In Restricted Working Space, Add	21.97	
22 66 53 00-0686	EA 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tees	182.71	65.57
	For Work In Restricted Working Space, Add	29.52	
22 66 53 00-0687	EA 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tees	226.94	76.20
	For Work In Restricted Working Space, Add	34.33	
22 66 53 00-0688 Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Double Sanitary Tees (22 66 53 00-0635)			
22 66 53 00-0689	EA 2" x 2" x 1-1/2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tee	135.63	43.48
	For Work In Restricted Working Space, Add	19.56	
22 66 53 00-0690	EA 3" x 3" x 1-1/2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tee	161.98	51.83
	For Work In Restricted Working Space, Add	23.34	
22 66 53 00-0691	EA 3" x 3" x 2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tee	204.31	57.21
	For Work In Restricted Working Space, Add	25.75	
22 66 53 00-0692	EA 4" x 4" x 2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tee	185.26	62.48
	For Work In Restricted Working Space, Add	28.15	
22 66 53 00-0693	EA 4" x 4" x 3" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tee	207.38	70.82
	For Work In Restricted Working Space, Add	31.93	
22 66 53 00-0694 Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers (22 66 53 00-0635)			
22 66 53 00-0695	EA 2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers	76.27	21.74
	For Work In Restricted Working Space, Add	9.78	
22 66 53 00-0696	EA 3" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers	85.01	25.86
	For Work In Restricted Working Space, Add	11.67	
22 66 53 00-0697	EA 3" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers	135.11	28.61
	For Work In Restricted Working Space, Add	12.87	
22 66 53 00-0698	EA 4" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers	148.23	31.23
	For Work In Restricted Working Space, Add	14.07	
22 66 53 00-0699	EA 4" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers	163.75	35.47
	For Work In Restricted Working Space, Add	15.96	
22 66 53 00-0700	EA 6" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers	220.32	41.19
	For Work In Restricted Working Space, Add	18.54	
22 66 53 00-0701	EA 6" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers	252.73	43.82
	For Work In Restricted Working Space, Add	19.74	
22 66 53 00-0702 Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushings (22 66 53 00-0635)			
22 66 53 00-0703	EA 2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	56.40	21.74
	For Work In Restricted Working Space, Add	9.78	
22 66 53 00-0704	EA 3" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	64.05	25.86
	For Work In Restricted Working Space, Add	11.67	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0705	EA	3" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing <i>For Work In Restricted Working Space, Add</i>	70.33 12.87	28.61
22 66 53 00-0706	EA	4" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing <i>For Work In Restricted Working Space, Add</i>	107.75 14.07	31.23
22 66 53 00-0707	EA	4" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing <i>For Work In Restricted Working Space, Add</i>	115.46 15.96	35.47
22 66 53 00-0708	EA	6" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing <i>For Work In Restricted Working Space, Add</i>	176.00 18.54	41.19
22 66 53 00-0709	EA	6" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing <i>For Work In Restricted Working Space, Add</i>	174.71 19.74	43.82
22 66 53 00-0710	EA	8" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing <i>For Work In Restricted Working Space, Add</i>	474.59 23.62	52.41
22 66 53 00-0711	EA	8" x 6" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing <i>For Work In Restricted Working Space, Add</i>	500.31 26.19	58.13
22 66 53 00-0712 Chlorinated Polyvinyl Chloride (CPVC) DWV P-Traps (22 66 53 00-0635)				
22 66 53 00-0713	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	98.61 12.87	28.61
22 66 53 00-0714	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	132.64 16.48	36.61
22 66 53 00-0715	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	214.88 22.14	49.21
22 66 53 00-0716	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	336.58 25.75	57.21
22 66 53 00-0717 Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes (22 66 53 00-0635)				
22 66 53 00-0718	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	79.08 12.87	28.61
22 66 53 00-0719	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	105.66 16.48	36.61
22 66 53 00-0720	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	164.24 22.14	49.21
22 66 53 00-0721	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	217.64 25.75	57.21
22 66 53 00-0722	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	446.19 33.47	74.26
22 66 53 00-0723	EA	8" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	514.41 45.05	100.00
22 66 53 00-0724 Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes (22 66 53 00-0635)				
22 66 53 00-0725	EA	2" x 1-1/2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	86.45 14.07	31.23
22 66 53 00-0726	EA	2" x 2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	101.66 15.28	33.87
22 66 53 00-0727	EA	3" x 3" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	141.37 19.05	42.34
22 66 53 00-0728	EA	3" x 3" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	151.81 20.25	44.97
22 66 53 00-0729	EA	4" x 4" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	155.20 21.46	47.59
22 66 53 00-0730	EA	4" x 4" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	196.85 22.66	50.34
22 66 53 00-0731	EA	4" x 4" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	208.34 24.54	54.46
22 66 53 00-0732	EA	6" x 6" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	320.28 30.89	68.54
22 66 53 00-0733	EA	8" x 8" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	381.86 38.62	85.70
22 66 53 00-0734	EA	8" x 8" x 6" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	419.03 41.19	91.42
22 66 53 00-0735 Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes (22 66 53 00-0635)				
22 66 53 00-0736	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	125.08 17.16	38.10
22 66 53 00-0737	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	144.98 21.97	48.74
22 66 53 00-0738	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	228.10 29.52	65.57
22 66 53 00-0739	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	410.30 34.33	76.20
22 66 53 00-0740	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	663.28 44.62	99.09
22 66 53 00-0741 Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Double Wyes (22 66 53 00-0635)				
22 66 53 00-0742	EA	2" x 2" x 1-1/2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	172.87 19.56	43.48
22 66 53 00-0743	EA	3" x 3" x 2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	218.29 25.75	57.21
22 66 53 00-0744	EA	4" x 4" x 3" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	368.52 31.93	70.82
22 66 53 00-0745	EA	6" x 6" x 4" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	541.17 39.48	87.65

22 Plumbing**22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 66 53 00-0746	Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends (22 66 53 00-0635)		
22 66 53 00-0747	EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends For Work In Restricted Working Space, Add	90.13 12.87	28.61
22 66 53 00-0748	EA 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends For Work In Restricted Working Space, Add	117.93 16.48	36.61
22 66 53 00-0749	EA 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends For Work In Restricted Working Space, Add	174.40 22.14	49.21
22 66 53 00-0750	EA 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends For Work In Restricted Working Space, Add	228.70 25.75	57.21
22 66 53 00-0751	EA 6" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends For Work In Restricted Working Space, Add	497.74 33.47	74.26
22 66 53 00-0752	EA 8" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends For Work In Restricted Working Space, Add	860.73 45.05	100.00
22 66 53 00-0753	Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Combination Wye And 1/8 Bends (22 66 53 00-0635)		
22 66 53 00-0754	EA 2" x 1-1/2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends For Work In Restricted Working Space, Add	86.19 14.07	31.23
22 66 53 00-0755	EA 2" x 2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends For Work In Restricted Working Space, Add	107.65 15.28	33.87
22 66 53 00-0756	EA 3" x 3" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends For Work In Restricted Working Space, Add	147.18 19.05	42.34
22 66 53 00-0757	EA 3" x 3" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends For Work In Restricted Working Space, Add	158.15 20.25	44.97
22 66 53 00-0758	EA 4" x 4" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends For Work In Restricted Working Space, Add	201.03 22.66	50.34
22 66 53 00-0759	EA 4" x 4" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends For Work In Restricted Working Space, Add	213.50 24.54	54.46
22 66 53 00-0760	EA 6" x 6" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends For Work In Restricted Working Space, Add	391.29 29.69	65.91
22 66 53 00-0761	EA 6" x 6" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends For Work In Restricted Working Space, Add	406.54 30.89	68.54
22 66 53 00-0762	Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends (22 66 53 00-0635)		
22 66 53 00-0763	EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends For Work In Restricted Working Space, Add	133.89 17.16	38.10
22 66 53 00-0764	EA 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends For Work In Restricted Working Space, Add	197.80 21.97	48.74
22 66 53 00-0765	EA 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends For Work In Restricted Working Space, Add	312.49 29.52	65.57
22 66 53 00-0766	EA 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends For Work In Restricted Working Space, Add	520.12 34.33	76.20
22 66 53 00-0767	EA 6" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends For Work In Restricted Working Space, Add	714.05 44.62	99.09
22 66 53 00-0768	Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Double Combination Wye And 1/8 Bends (22 66 53 00-0635)		
22 66 53 00-0769	EA 2" x 2" x 1-1/2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends For Work In Restricted Working Space, Add	172.88 19.56	43.48
22 66 53 00-0770	EA 3" x 3" x 2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends For Work In Restricted Working Space, Add	265.30 25.75	57.21
22 66 53 00-0771	EA 4" x 4" x 2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends For Work In Restricted Working Space, Add	318.58 28.15	62.48
22 66 53 00-0772	EA 4" x 4" x 3" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends For Work In Restricted Working Space, Add	331.18 31.93	70.82
22 66 53 00-0773	EA 6" x 6" x 3" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends For Work In Restricted Working Space, Add	417.12 37.07	82.27
22 66 53 00-0774	EA 6" x 6" x 4" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends For Work In Restricted Working Space, Add	466.59 39.48	87.65
22 66 53 00-0775	Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees With Plug (22 66 53 00-0635)		
22 66 53 00-0776	EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees For Work In Restricted Working Space, Add	85.17 12.87	28.61
22 66 53 00-0777	EA 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees For Work In Restricted Working Space, Add	101.60 16.48	36.61
22 66 53 00-0778	EA 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees For Work In Restricted Working Space, Add	171.68 22.14	49.21
22 66 53 00-0779	EA 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees For Work In Restricted Working Space, Add	219.11 25.75	57.21
22 66 53 00-0780	EA 6" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees For Work In Restricted Working Space, Add	471.55 33.47	74.26
22 66 53 00-0781	EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Plug For Work In Restricted Working Space, Add	20.69 4.29	9.49
22 66 53 00-0782	EA 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Plug For Work In Restricted Working Space, Add	25.29 5.49	12.13
22 66 53 00-0783	EA 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Plug For Work In Restricted Working Space, Add	36.81 7.38	16.36

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0784 EA 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Plug..... <i>For Work In Restricted Working Space, Add</i>	42.30 8.58	18.99
22 66 53 00-0785 EA 6" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Plug..... <i>For Work In Restricted Working Space, Add</i>	69.11 11.15	24.72
22 66 53 00-0786 Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug (22 66 53 00-0635)		
22 66 53 00-0787 EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug..... <i>For Work In Restricted Working Space, Add</i>	47.09 8.58	19.11
22 66 53 00-0788 EA 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug..... <i>For Work In Restricted Working Space, Add</i>	58.39 10.98	24.38
22 66 53 00-0789 EA 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug..... <i>For Work In Restricted Working Space, Add</i>	89.41 14.76	32.72
22 66 53 00-0790 EA 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug..... <i>For Work In Restricted Working Space, Add</i>	126.35 17.16	38.10
22 66 53 00-0791 EA 6" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug..... <i>For Work In Restricted Working Space, Add</i>	193.99 22.31	49.55
22 66 53 00-0792 EA 8" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug..... <i>For Work In Restricted Working Space, Add</i>	338.26 30.07	66.71
22 66 53 00-0793 Chlorinated Polyvinyl Chloride (CPVC) Couplings (22 66 53 00-0635)		
22 66 53 00-0794 EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	50.92 8.58	19.11
22 66 53 00-0795 EA 2" Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	64.46 10.98	24.38
22 66 53 00-0796 EA 3" Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	84.85 14.76	32.72
22 66 53 00-0797 EA 4" Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	107.92 17.16	38.10
22 66 53 00-0798 EA 6" Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	154.76 22.31	49.55
22 66 53 00-0799 EA 8" Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	316.98 30.07	66.71
22 66 53 00-0800 Chlorinated Polyvinyl Chloride (CPVC) Female Adapters (22 66 53 00-0635)		
22 66 53 00-0801 EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Female Adapters.....	31.85	9.49
22 66 53 00-0802 EA 2" Chlorinated Polyvinyl Chloride (CPVC) Female Adapters.....	42.21	12.24
22 66 53 00-0803 EA 3" Chlorinated Polyvinyl Chloride (CPVC) Female Adapters.....	64.05	16.36
22 66 53 00-0804 EA 4" Chlorinated Polyvinyl Chloride (CPVC) Female Adapters.....	104.46	19.11
22 66 53 00-0805 EA 6" Chlorinated Polyvinyl Chloride (CPVC) Female Adapters.....	164.24	24.72
22 66 53 00-0806 Chlorinated Polyvinyl Chloride (CPVC) Male Adapters (22 66 53 00-0635)		
22 66 53 00-0807 EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Male Adapters.....	35.32	9.49
22 66 53 00-0808 EA 2" Chlorinated Polyvinyl Chloride (CPVC) Male Adapters.....	49.85	12.24
22 66 53 00-0809 EA 3" Chlorinated Polyvinyl Chloride (CPVC) Male Adapters.....	59.15	16.36
22 66 53 00-0810 EA 4" Chlorinated Polyvinyl Chloride (CPVC) Male Adapters.....	100.63	19.11
22 66 53 00-0811 EA 6" Chlorinated Polyvinyl Chloride (CPVC) Male Adapters.....	134.40	24.72
22 66 53 00-0812 Chlorinated Polyvinyl Chloride (CPVC) Caps (22 66 53 00-0635)		
22 66 53 00-0813 EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap.....	31.65	9.49
22 66 53 00-0814 EA 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap.....	39.06	12.24
22 66 53 00-0815 EA 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap.....	60.48	16.36
22 66 53 00-0816 EA 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap.....	101.76	19.11
22 66 53 00-0817 EA 6" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap.....	129.88	24.72
22 66 53 00-0818 EA 8" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap.....	202.98	33.41
22 66 83 Chemical-Waste Tanks (22 66)		
22 66 83 16 Chemical-Waste Neutralization Tanks (22 66 83)		
22 66 83 16-0001 Acid Neutralization Tank (22 66 83 16)		
22 66 83 16-0002 Polyethylene Acid Neutralization Tank (22 66 83 16-0001)		
22 66 83 16-0003 EA 5 Gallon Capacity Polyethylene Acid Neutralization Tank.....	582.95	233.00
22 66 83 16-0004 EA 15 Gallon Capacity Polyethylene Acid Neutralization Tank.....	1,058.89	323.08
22 66 83 16-0005 EA 30 Gallon Capacity Polyethylene Acid Neutralization Tank.....	1,315.65	465.98
22 66 83 16-0006 EA 55 Gallon Capacity Polyethylene Acid Neutralization Tank.....	1,688.57	621.31
22 66 83 16-0007 EA 100 Gallon Capacity Polyethylene Acid Neutralization Tank.....	2,169.47	745.57
22 66 83 16-0008 EA 150 Gallon Capacity Polyethylene Acid Neutralization Tank.....	2,969.37	931.96
22 66 83 16-0009 EA 200 Gallon Capacity Polyethylene Acid Neutralization Tank.....	3,425.25	1,164.96
22 66 83 16-0010 EA 275 Gallon Capacity Polyethylene Acid Neutralization Tank.....	4,450.64	1,397.95
22 66 83 16-0011 EA 350 Gallon Capacity Polyethylene Acid Neutralization Tank.....	5,050.34	1,677.53
22 66 83 16-0012 Polypropylene Acid Neutralization Tank (22 66 83 16-0001)		
22 66 83 16-0013 EA 5 Gallon Capacity Polypropylene Acid Neutralization Tank.....	964.14	233.00
22 66 83 16-0014 EA 15 Gallon Capacity Polypropylene Acid Neutralization Tank.....	1,662.46	323.08
22 66 83 16-0015 EA 30 Gallon Capacity Polypropylene Acid Neutralization Tank.....	2,741.59	465.98
22 66 83 16-0016 EA 55 Gallon Capacity Polypropylene Acid Neutralization Tank.....	3,612.83	621.31
22 66 83 16-0017 EA 100 Gallon Capacity Polypropylene Acid Neutralization Tank.....	4,574.26	745.57

22 Plumbing**22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 66 83 16-0018	EA	150 Gallon Capacity Polypropylene Acid Neutralization Tank	5,025.12	931.96
22 66 83 16-0019	EA	200 Gallon Capacity Polypropylene Acid Neutralization Tank	5,471.93	1,164.96
22 66 83 16-0020	EA	275 Gallon Capacity Polypropylene Acid Neutralization Tank	8,024.41	1,397.95
22 66 83 16-0021	EA	350 Gallon Capacity Polypropylene Acid Neutralization Tank	8,671.74	1,677.53

22 66 83 16-0022 Chemical Dilution Trap (22 66 83 16)

22 66 83 16-0023	EA	1 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap	539.20	77.67
Note: 1-1/2" top inlet and side outlet with anti siphon.				
22 66 83 16-0024	EA	1-1/2 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap	556.68	77.67
Note: 1-1/2" top inlet and side outlet with anti siphon.				
22 66 83 16-0025	EA	2 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap	574.15	77.67
Note: 1-1/2" top inlet and side outlet with anti siphon.				
22 66 83 16-0026	EA	5 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap	628.33	93.19
Note: 1-1/2" top inlet and side outlet with anti siphon.				

END OF SECTION 22

23 Heating, Ventilating, and Air-Conditioning (HVAC)

Note: Where required, mechanical equipment excludes electrical connection unless title states otherwise. HVAC equipment shall conform to California Title 24.

23 01 Operation and Maintenance of HVAC Systems ⁽²³⁾

23 01 10 Operation and Maintenance of Facility Fuel Systems ^(23 01)

23 01 10 91 Facility Fuel Systems Restoration ^(23 01 10)

23 01 10 91-0001 Professional Certification For Hospital ^(23 01 10 91)

23 01 10 91-0002 HR Hospital/Lab Certification - Oxygen, Air, Water Lines, Medical Gases, Nitrogen And Vacuum 197.13

23 01 10 91-0003 Purge Gas Systems ^(23 01 10 91)

Note: Includes collection and refilling/bleeding of system. For natural gas, flammable gases and other gases that should not be released inside the building. See CSI section 23 01 60 71-0001 for refrigerant.

23 01 10 91-0004 EA Up To 100', Up To 1-1/2" Diameter Pipe, Purge Gas Systems.....574.06
23 01 10 91-0005 EA >100' To 250', Up To 1-1/2" Diameter Pipe, Purge Gas Systems.....820.04
23 01 10 91-0006 EA >250' To 500', Up To 1-1/2" Diameter Pipe, Purge Gas Systems.....861.33
23 01 10 91-0007 EA >500' To 1,000', Up To 1-1/2" Diameter Pipe, Purge Gas Systems.....950.34
23 01 10 91-0008 EA >1,000' To 2,000', Up To 1-1/2" Diameter Pipe, Purge Gas Systems.....1,721.36
23 01 10 91-0009 EA Up To 100', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems.....772.16
23 01 10 91-0010 EA >100' To 250', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems.....1,110.09
23 01 10 91-0011 EA >250' To 500', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems.....1,176.45
23 01 10 91-0012 EA >500' To 1,000', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems.....1,547.52
23 01 10 91-0013 EA >1,000' To 2,000', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems.....2,398.03
23 01 10 91-0014 EA Up To 100', >4" To 10" Diameter Pipe, Purge Gas Systems.....917.64
23 01 10 91-0015 EA >100' To 250', >4" To 10" Diameter Pipe, Purge Gas Systems.....1,354.17
23 01 10 91-0016 EA >250' To 500', >4" To 10" Diameter Pipe, Purge Gas Systems.....3,118.18
23 01 10 91-0017 EA >500' To 1,000', >4" To 10" Diameter Pipe, Purge Gas Systems.....4,878.06
23 01 10 91-0018 EA >1,000' To 2,000', >4" To 10" Diameter Pipe, Purge Gas Systems.....9,171.46

23 01 20 Operation and Maintenance of HVAC Piping and Pumps ^(23 01)

23 01 20 91 HVAC Piping and Pumps Restoration ^(23 01 20)

23 01 20 91-0001 Lock Out/Tag Out System ^(23 01 20 91)

23 01 20 91-0002 EA Up To 1", Lock Out/Tag Out Valve.....31.07
Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).
23 01 20 91-0003 EA >1" To 3", Lock Out/Tag Out Valve.....37.28
Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).
23 01 20 91-0004 EA >3" To 6", Lock Out/Tag Out Valve.....43.50
Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).
23 01 20 91-0005 EA >6" To 10", Lock Out/Tag Out Valve.....49.71
Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).
23 01 20 91-0006 EA >10" To 14", Lock Out/Tag Out Valve.....62.13
Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).
23 01 20 91-0007 EA Lock Out Padlock.....12.43
23 01 20 91-0008 EA Lock Out Tags5.05

23 01 20 91-0009 Freeze Pipe Using CO2 Kit ^(23 01 20 91)

Note: For use on chilled water or cold water piping systems. Excludes cutting existing pipe, and installation of valve or fittings.

23 01 20 91-0010 EA Up To 2" Freeze Pipe Using CO2 Kit.....388.02

23 01 20 91-0011 Pipe Freezing ^(23 01 20 91)

Note: For use on any water piping systems. Excludes excavation, cutting existing pipe, and installation of valve or fittings.

23 01 20 91-0012 EA Up To 1" Pipe Freezing, First Location715.85
Note: Includes freezing on each side of valve or fitting.
23 01 20 91-0013 EA Up To 1" Pipe Freezing, Each Additional Location After First.....386.56
Note: Includes freezing on each side of valve or fitting.
23 01 20 91-0014 EA >1" To 1-1/2" Pipe Freezing, First Location864.97
Note: Includes freezing on each side of valve or fitting.
23 01 20 91-0015 EA >1" To 1-1/2" Pipe Freezing, Each Additional Location After First.....446.10
Note: Includes freezing on each side of valve or fitting.
23 01 20 91-0016 EA >1-1/2" To 2" Pipe Freezing, First Location1,184.86
Note: Includes freezing on each side of valve or fitting.
23 01 20 91-0017 EA >1-1/2" To 2" Pipe Freezing, Each Additional Location After First.....505.80
Note: Includes freezing on each side of valve or fitting.
23 01 20 91-0018 EA >2" To 3" Pipe Freezing, First Location1,351.04
Note: Includes freezing on each side of valve or fitting.
23 01 20 91-0019 EA >2" To 3" Pipe Freezing, Each Additional Location After First.....594.34
Note: Includes freezing on each side of valve or fitting.
23 01 20 91-0020 EA >3" To 4" Pipe Freezing, First Location1,969.34
Note: Includes freezing on each side of valve or fitting.
23 01 20 91-0021 EA >3" To 4" Pipe Freezing, Each Additional Location After First.....686.28
Note: Includes freezing on each side of valve or fitting.
23 01 20 91-0022 EA >4" To 6" Pipe Freezing, First Location4,025.13
Note: Includes freezing on each side of valve or fitting.

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 01 Operation and Maintenance of HVAC Systems****23 01 20 Operation and Maintenance of HVAC Piping and Pumps**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 01 20 91-0023	EA	>4" To 6" Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	897.66
23 01 20 91-0024	EA	>6" To 8" Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	5,354.88
23 01 20 91-0025	EA	>6" To 8" Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	1,315.45
23 01 20 91-0026	EA	>8" To 10" Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	7,380.96
23 01 20 91-0027	EA	>8" To 10" Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	1,788.89
23 01 20 91-0028	EA	>10" To 12" Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	9,496.27
23 01 20 91-0029	EA	>10" To 12" Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	2,317.43

23 01 20 91-0030 Water/Chlorine Pipe Disinfection/Flush/Testing (23 01 20 91)

Note: For existing piping when required. Water/chlorine solution per specification entitled "Water Distribution".

23 01 20 91-0031	LF	Up To 1", Water/Chlorine Pipe Disinfection/Flush/Testing	1.98
		For >250 To 500, Deduct	-0.17
		For >500 To 2,000, Deduct	-0.37
		For >2,000, Deduct	-0.56
23 01 20 91-0032	LF	>1" To 2", Water/Chlorine Pipe Disinfection/Flush/Testing	2.68
		For >250 To 500, Deduct	-0.23
		For >500 To 2,000, Deduct	-0.49
		For >2,000, Deduct	-0.75
23 01 20 91-0033	LF	>2" To 3", Water/Chlorine Pipe Disinfection/Flush/Testing	4.05
		For >250 To 500, Deduct	-0.35
		For >500 To 2,000, Deduct	-0.74
		For >2,000, Deduct	-1.13
23 01 20 91-0034	LF	4", Water/Chlorine Pipe Disinfection/Flush/Testing	5.48
		For >250 To 500, Deduct	-0.47
		For >500 To 2,000, Deduct	-0.98
		For >2,000, Deduct	-1.50
23 01 20 91-0035	LF	6", Water/Chlorine Pipe Disinfection/Flush/Testing	6.65
		For >250 To 500, Deduct	-0.56
		For >500 To 2,000, Deduct	-1.18
		For >2,000, Deduct	-1.80
23 01 20 91-0036	LF	8", Water/Chlorine Pipe Disinfection/Flush/Testing	8.36
		For >250 To 500, Deduct	-0.70
		For >500 To 2,000, Deduct	-1.48
		For >2,000, Deduct	-2.25
23 01 20 91-0037	LF	10", Water/Chlorine Pipe Disinfection/Flush/Testing	11.09
		For >250 To 500, Deduct	-0.93
		For >500 To 2,000, Deduct	-1.97
		For >2,000, Deduct	-3.00
23 01 20 91-0038	LF	12", Water/Chlorine Pipe Disinfection/Flush/Testing	13.30
		For >250 To 500, Deduct	-1.12
		For >500 To 2,000, Deduct	-2.36
		For >2,000, Deduct	-3.60

23 01 20 91-0039 Shut Down Existing Piping System (23 01 20 91)

23 01 20 91-0040	EA	Shut Down Existing Interior Piping System	259.75
		Note: Includes lock out/tag out and average line tracing. Use when valves are greater than 25' from work. When the shut-off valves for multiple lines are located with a 10' radius, the quantity used shall be one.	

23 01 20 91-0041 Purge Liquid Systems (23 01 20 91)

Note: Includes collection of liquid, refilling with liquid and bleeding of air from system.

23 01 20 91-0042	EA	Up To 50', Up To 3/4" Diameter Pipe, Purge Liquid System	196.41
23 01 20 91-0043	EA	>50' To 100', Up To 3/4" Diameter Pipe, Purge Liquid System	245.51
23 01 20 91-0044	EA	>100 To 250', Up To 3/4" Diameter Pipe, Purge Liquid System	350.42
23 01 20 91-0045	EA	>250 To 500', Up To 3/4" Diameter Pipe, Purge Liquid System	419.91
23 01 20 91-0046	EA	>500 To 1,000', Up To 3/4" Diameter Pipe, Purge Liquid System	524.89
23 01 20 91-0047	EA	>1,000 To 2,000', Up To 3/4" Diameter Pipe, Purge Liquid System	682.36
23 01 20 91-0048	LF	>2,000', Up To 3/4" Diameter Pipe, Purge Liquid System	0.34
23 01 20 91-0049	EA	Up To 100', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	409.02
23 01 20 91-0050	EA	>100 To 250', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	584.16
23 01 20 91-0051	EA	>250 To 500', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	699.93
23 01 20 91-0052	EA	>500 To 1,000', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	874.92
23 01 20 91-0053	EA	>1,000 To 2,000', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	1,137.39
23 01 20 91-0054	LF	>2,000', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	0.56
23 01 20 91-0055	EA	Up To 100', >1-1/2" To 3" Diameter Pipe, Purge Liquid System	572.62
23 01 20 91-0056	EA	>100 To 250', >1-1/2" To 3" Diameter Pipe, Purge Liquid System	817.83
23 01 20 91-0057	EA	>250 To 500', >1-1/2" To 3" Diameter Pipe, Purge Liquid System	979.91
23 01 20 91-0058	EA	>500 To 1,000', >1-1/2" To 3" Diameter Pipe, Purge Liquid System	1,224.88
23 01 20 91-0059	EA	>1,000 To 2,000', >1-1/2" To 3" Diameter Pipe, Purge Liquid System	1,592.35
23 01 20 91-0060	LF	>2,000', >1-1/2" To 3" Diameter Pipe, Purge Liquid System	0.80
23 01 20 91-0061	EA	Up To 100', >3" To 6" Diameter Pipe, Purge Liquid System	787.36
23 01 20 91-0062	EA	>100 To 250', >3" To 6" Diameter Pipe, Purge Liquid System	1,124.51
23 01 20 91-0063	EA	>250 To 500', >3" To 6" Diameter Pipe, Purge Liquid System	1,193.79
23 01 20 91-0064	EA	>500 To 1,000', >3" To 6" Diameter Pipe, Purge Liquid System	1,492.23
23 01 20 91-0065	EA	>1,000 To 2,000', >3" To 6" Diameter Pipe, Purge Liquid System	1,939.89
23 01 20 91-0066	LF	>2,000', >3" To 6" Diameter Pipe, Purge Liquid System	0.97
23 01 20 91-0067	EA	Up To 100', >6" To 10" Diameter Pipe, Purge Liquid System	1,062.94
23 01 20 91-0068	EA	>100 To 250', >6" To 10" Diameter Pipe, Purge Liquid System	1,518.08
23 01 20 91-0069	EA	>250 To 500', >6" To 10" Diameter Pipe, Purge Liquid System	1,611.61

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 20 91-0070	EA	>500 To 1,000', >6" To 10" Diameter Pipe, Purge Liquid System	2,014.50	
23 01 20 91-0071	EA	>1,000 To 2,000', >6" To 10" Diameter Pipe, Purge Liquid System	2,618.86	
23 01 20 91-0072	LF	>2,000', >6" To 10" Diameter Pipe, Purge Liquid System.....	1.31	
23 01 20 91-0073 Special Cleaning Of Piping Systems (23 01 20 91)				
23 01 20 91-0074 Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing (23 01 20 91-0073)				
23 01 20 91-0075	LF	Up To 1", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing	2.35	
		For >250 To 500, Deduct	-0.20	
		For >500 To 2,000, Deduct	-0.42	
		For >2,000, Deduct	-0.64	
23 01 20 91-0076	LF	>1" To 2", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing	3.84	
		For >250 To 500, Deduct	-0.32	
		For >500 To 2,000, Deduct	-0.68	
		For >2,000, Deduct	-1.04	
23 01 20 91-0077	LF	>2" To 3", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing	5.34	
		For >250 To 500, Deduct	-0.44	
		For >500 To 2,000, Deduct	-0.94	
		For >2,000, Deduct	-1.43	
23 01 20 91-0078	LF	>3" To 4", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing	6.88	
		For >250 To 500, Deduct	-0.57	
		For >500 To 2,000, Deduct	-1.20	
		For >2,000, Deduct	-1.84	
23 01 20 91-0079	LF	>4" To 6", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing	9.61	
		For >250 To 500, Deduct	-0.80	
		For >500 To 2,000, Deduct	-1.69	
		For >2,000, Deduct	-2.58	
23 01 20 91-0080 Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing (23 01 20 91-0073)				
23 01 20 91-0081	LF	Up To 1", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing	2.42	
		For >250 To 500, Deduct	-0.20	
		For >500 To 2,000, Deduct	-0.42	
		For >2,000, Deduct	-0.64	
23 01 20 91-0082	LF	>1" To 2", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing	3.93	
		For >250 To 500, Deduct	-0.32	
		For >500 To 2,000, Deduct	-0.68	
		For >2,000, Deduct	-1.04	
23 01 20 91-0083	LF	>2" To 3", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing	5.47	
		For >250 To 500, Deduct	-0.44	
		For >500 To 2,000, Deduct	-0.94	
		For >2,000, Deduct	-1.43	
23 01 20 91-0084	LF	>3" To 4", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing	7.08	
		For >250 To 500, Deduct	-0.57	
		For >500 To 2,000, Deduct	-1.20	
		For >2,000, Deduct	-1.84	
23 01 20 91-0085	LF	>4" To 6", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing	9.86	
		For >250 To 500, Deduct	-0.80	
		For >500 To 2,000, Deduct	-1.69	
		For >2,000, Deduct	-2.58	
23 01 20 91-0086 Drewsperser 4945/4395 Pipe Disinfection/Flush/Testing (23 01 20 91-0073)				
23 01 20 91-0087	LF	Up To 1", Drewsperser 4945/4395 Pipe Disinfection/Flush/Testing	2.44	
		For >250 To 500, Deduct	-0.20	
		For >500 To 2,000, Deduct	-0.42	
		For >2,000, Deduct	-0.64	
23 01 20 91-0088	LF	>1" To 2", Drewsperser 4945/4395 Pipe Disinfection/Flush/Testing	3.97	
		For >250 To 500, Deduct	-0.32	
		For >500 To 2,000, Deduct	-0.68	
		For >2,000, Deduct	-1.04	
23 01 20 91-0089	LF	>2" To 3", Drewsperser 4945/4395 Pipe Disinfection/Flush/Testing	5.52	
		For >250 To 500, Deduct	-0.44	
		For >500 To 2,000, Deduct	-0.94	
		For >2,000, Deduct	-1.43	
23 01 20 91-0090	LF	>3" To 4", Drewsperser 4945/4395 Pipe Disinfection/Flush/Testing	7.15	
		For >250 To 500, Deduct	-0.57	
		For >500 To 2,000, Deduct	-1.20	
		For >2,000, Deduct	-1.84	
23 01 20 91-0091	LF	>4" To 6", Drewsperser 4945/4395 Pipe Disinfection/Flush/Testing	9.96	
		For >250 To 500, Deduct	-0.80	
		For >500 To 2,000, Deduct	-1.69	
		For >2,000, Deduct	-2.58	
23 01 20 91-0092 Add-A-Valve Emergency Shut Off Device (23 01 20 91)				
23 01 20 91-0093	EA	1/2" Add-A-Valve Emergency Shut Off Device (Jomar 800-103ADD)	404.61	
23 01 20 91-0094	EA	3/4" Add-A-Valve Emergency Shut Off Device (Jomar 800-104ADD)	509.67	
23 01 20 91-0095	EA	1" Add-A-Valve Emergency Shut Off Device (Jomar 800-105ADD)	707.26	
23 01 20 91-0096	EA	1-1/4" Add-A-Valve Emergency Shut Off Device (Jomar 800-106ADD)	1,084.14	
23 01 20 91-0097	EA	1-1/2" Add-A-Valve Emergency Shut Off Device (Jomar 800-107ADD)	1,339.22	
23 01 20 91-0098	EA	2" Add-A-Valve Emergency Shut Off Device (Jomar 800-108ADD)	2,025.18	

23 01 30 Operation and Maintenance of HVAC Air Distribution (23 01)

23 01 30 51 HVAC Air-Distribution System Cleaning (23 01 30)

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 01 Operation and Maintenance of HVAC Systems****23 01 30 Operation and Maintenance of HVAC Air Distribution**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 01 30 51-0001		Cleaning Of Ductwork And HVAC Equipment (23 01 30 51)	
23 01 30 51-0002	LF	Up To 2 SF Cross Section, Clean Supply/Return Ductwork Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.	5.46
		<i>For Exhaust Ductwork, Add</i>	1.37
23 01 30 51-0003	LF	>2 SF To 4 SF Cross Section, Clean Supply/Return Ductwork Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.	6.84
		<i>For Exhaust Ductwork, Add</i>	1.71
23 01 30 51-0004	LF	>4 SF To 8 SF Cross Section, Clean Supply/Return Ductwork Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.	9.16
		<i>For Exhaust Ductwork, Add</i>	2.29
23 01 30 51-0005	LF	>8 SF Cross Section, Clean Supply/Return Ductwork Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.	12.96
		<i>For Exhaust Ductwork, Add</i>	3.24
23 01 30 51-0006	LF	Clean Supply/Return Shafts.....	16.12
23 01 30 51-0007	EA	Clean Floor Transition.....	12.96
23 01 30 51-0008	SF	Clean Duct Dampers.....	18.41
23 01 30 51-0009	SF	Clean Duct Fire Dampers	36.82
23 01 30 51-0010	SF	Clean Louver	14.73
23 01 30 51-0011	EA	Clean Turning Vane Set.....	44.19
23 01 30 51-0012	EA	Clean Grille/Diffuser/Register Note: Includes removal and reinstallation.	44.19
23 01 30 51-0013	LF	Clean Linear Diffuser Note: Includes removal and reinstallation.	11.05
23 01 30 51-0014	EA	Cut Access For Cleaning Duct And Install Duct Insulated Access Doors	136.52
		<i>For Stainless Steel, Add</i>	74.44
23 01 30 51-0015	EA	Clean Variable Air Volume (VAV) Unit.....	132.57
23 01 30 51-0016	EA	Clean Fan Powered Induction Unit (PIU) Unit.....	176.76
23 01 30 51-0017	EA	Clean Fan Coil Unit (FCU).....	176.76
23 01 30 51-0018	EA	Clean Packaged Terminal Air Conditioning Unit	176.76
23 01 30 51-0019	EA	Clean Supply Or Return Fan.....	353.53
23 01 30 51-0020	EA	Clean Exhaust Fan	309.34
23 01 30 51-0021	EA	Clean Duct Coil.....	265.15
23 01 30 51-0022	SF	Clean Air Handling Unit Interior Housing With High Efficiency Particulate Air (HEPA) Vacuum Note: Excluding fan and coils.	8.84
23 01 30 51-0023	EA	Clean Air Handling Unit Fan	353.53
23 01 30 51-0024	EA	Clean Air Handling Unit Coil	530.30
23 01 30 51-0025	SF	Clean Equipment Surfaces, Rust Reform And Prime	4.48
23 01 30 51-0026	SF	Clean Interior Equipment Surfaces, Rust Reform And Prime	5.36
23 01 30 51-0027	SF	High Efficiency Particulate Air (HEPA) Vacuuming Of Walls, Ceilings And Floors In Mechanical Rooms	0.69
23 01 30 51-0028	EA	Cleaning Of Ductwork Minimum Set-up Charge	1,174.10
		Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	
23 01 30 51-0029	SF	Apply Anti-microbial Agent To Ductwork And Surfaces After Cleaning.....	0.77

23 01 30 61 HVAC Air-Distribution Duct Repair (23 01 30)

23 01 30 61-0001		Repair And Seal Ductwork (23 01 30 61)	
		Note: Includes removal of existing insulation, repair/seal ductwork with Duct Sealer and reinstallation of insulation. Excludes new ductwork.	
23 01 30 61-0002	SF	Repair And Sealing Of Ductwork Note: Clean, apply sealant and tape	2.99

23 01 30 61-0003		Rework Sheet Metal Ductwork (23 01 30 61)	
		Note: Includes removal of existing ductwork and reinstallation of ductwork. Excludes new ductwork.	
23 01 30 61-0004	LF	Up To 1 SF Cross Section, Rework Existing Ductwork.....	42.60
23 01 30 61-0005	LF	>1 To 2 SF Cross Section, Rework Existing Ductwork	83.06
23 01 30 61-0006	LF	>2 To 4 SF Cross Section, Rework Existing Ductwork	109.76
23 01 30 61-0007	LF	>4 To 6 SF Cross Section, Rework Existing Ductwork	137.45
23 01 30 61-0008	LF	>6 To 8 SF Cross Section, Rework Existing Ductwork	191.69
23 01 30 61-0009	LF	>8 To 10 SF Cross Section, Rework Existing Ductwork	223.64
23 01 30 61-0010	LF	>10 To 12 SF Cross Section, Rework Existing Ductwork	255.59
23 01 30 61-0011	LF	>12 To 14 SF Cross Section, Rework Existing Ductwork	287.54

23 01 50 Operation and Maintenance of Central Heating Equipment (23 01)**23 01 50 61 Central Heating Equipment Repair** (23 01 50)

23 01 50 61-0001		Boiler Repairs (23 01 50 61)	
23 01 50 61-0002		Setup And Maintenance (23 01 50 61-0001)	
23 01 50 61-0003	EA	Set-up Charge For Boiler Fire Side Maintenance Note: Includes removing/relocating doors, plates, portals, and burners required to access fireside.	2,663.80
23 01 50 61-0004	EA	Close-up Charge For Boiler Fire Side Maintenance..... Note: Includes replacement of doors, plates, portals, burners, adhesive, rope, wool, and seals.	2,907.93
		<i>For Burner Seals, Add</i>	666.38
		Note: Used when burner must be removed from door for maintenance.	
23 01 50 61-0005	EA	Setup Charge For Boiler Water Side Maintenance	3,551.75
		Note: Includes closing valves, draining, and positioning equipment needed for tube replacement.	
23 01 50 61-0006	EA	Up To 100 HP, Hydrostatic Test - Boiler Maintenance..... Note: Includes close-up charge for water side maintenance, blanking off supply, return, and relief valves for test and reconnection after test.	1,775.87

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
23 01 50 61-0007	EA	>100 HP, Hydrostatic Test - Boiler Maintenance Note: Includes close-up charge for water side maintenance, blanking off supply, return, and relief valves for test and reconnection after test.	3,551.75		
23 01 50 61-0008	EA	Removal And Replacement Of Handhole	110.99		
23 01 50 61-0009	EA	Removal And Replacement Of Manhole.....	332.98		
23 01 50 61-0010	SF	Sheet Metal Jacket Patch	12.90		
23 01 50 61-0011 Boiler Tube Replacement (23 01 50 61-0001)					
23 01 50 61-0012	EA	Removal Of Up To 2" Boiler Tube	266.38		
23 01 50 61-0013	EA	Removal Of >2" To 3" Boiler Tube.....	332.98		
23 01 50 61-0014	EA	Removal Of >3" To 4" Boiler Tube.....	466.15		
23 01 50 61-0015	LF	Place 1-1/2" Boiler Tube Into Position For Termination..... Note: Includes black steel tube, fasteners and accessories.	18.11		
23 01 50 61-0016	LF	Place 2" Boiler Tube Into Position For Termination..... Note: Includes black steel tube, fasteners and accessories.	21.35		
23 01 50 61-0017	LF	Place 2-1/2" Boiler Tube Into Position For Termination..... Note: Includes black steel tube, fasteners and accessories.	24.63		
23 01 50 61-0018	LF	Place 3" Boiler Tube Into Position For Termination..... Note: Includes black steel tube, fasteners and accessories.	37.08		
23 01 50 61-0019	LF	Place 3-1/2" Boiler Tube Into Position For Termination..... Note: Includes black steel tube, fasteners and accessories.	43.96		
23 01 50 61-0020	LF	Place 4" Boiler Tube Into Position For Termination..... Note: Includes black steel tube, fasteners and accessories.	57.50		
23 01 50 61-0021	EA	1-1/2" Rolled Boiler Tube Termination (2 Per New Tube).....	33.30		
23 01 50 61-0022	EA	2" Rolled Boiler Tube Termination (2 Per New Tube).....	49.95		
23 01 50 61-0023	EA	2-1/2" Rolled Boiler Tube Termination (2 Per New Tube).....	66.59		
23 01 50 61-0024	EA	3" Rolled Boiler Tube Termination (2 Per New Tube).....	83.24		
23 01 50 61-0025	EA	3-1/2" Rolled Boiler Tube Termination (2 Per New Tube).....	99.90		
23 01 50 61-0026	EA	4" Rolled Boiler Tube Termination (2 Per New Tube).....	116.54		
23 01 50 61-0027	EA	1-1/2" Welded Boiler Tube Termination (2 Per New Tube).....	99.90		
23 01 50 61-0028	EA	2" Welded Boiler Tube Termination (2 Per New Tube).....	133.19		
23 01 50 61-0029	EA	2-1/2" Welded Boiler Tube Termination (2 Per New Tube).....	166.49		
23 01 50 61-0030	EA	3" Welded Boiler Tube Termination (2 Per New Tube).....	199.79		
23 01 50 61-0031	EA	3-1/2" Welded Boiler Tube Termination (2 Per New Tube).....	233.08		
23 01 50 61-0032	EA	4" Welded Boiler Tube Termination (2 Per New Tube).....	266.38		
23 01 50 61-0033	EA	Plug Boiler Tube Hole Where Boiler Tube Is Not Replaced.....	405.06		
23 01 50 61-0034 Cast Iron Boiler Section Replacement (23 01 50 61-0001)					
23 01 50 61-0035	EA	Removal And Replacement Of Front Section Of Weil McLain Model 80 Cast Iron Boiler.....	2,926.54		
23 01 50 61-0036	EA	Removal And Replacement Of Rear Section Of Weil McLain Model 80 Cast Iron Boiler	2,007.50		
23 01 50 61-0037	EA	Removal And Replacement Of Inside Section Of Weil McLain Model 80 Cast Iron Boiler	2,534.69		
23 01 50 61-0038	EA	Removal And Replacement Of Front Section Of Weil McLain Model 88 Cast Iron Boiler.....	5,375.65		
23 01 50 61-0039	EA	Removal And Replacement Of Rear Section Of Weil McLain Model 88 Cast Iron Boiler	3,952.02		
23 01 50 61-0040	EA	Removal And Replacement Of Inside Section Of Weil McLain Model 88 Cast Iron Boiler	4,626.16		
23 01 50 61-0041	EA	Removal And Replacement Of Front Section Of Weil McLain Model 94 Cast Iron Boiler.....	8,704.27		
23 01 50 61-0042	EA	Removal And Replacement Of Rear Section Of Weil McLain Model 94 Cast Iron Boiler	6,754.07		
23 01 50 61-0043	EA	Removal And Replacement Of Inside Section Of Weil McLain Model 94 Cast Iron Boiler	7,280.23		
23 01 50 61-0044 Cast Iron Grate Replacement (23 01 50 61-0001)					
23 01 50 61-0045	SF	Removal And Replacement Of Cast Iron Boiler Grates, Prepared From Casting Mold	151.06		
		Note: Includes support, linkages and removal of existing.			
23 01 50 61-0046	EA	Prepare Cast Iron Boiler Grate Mold..... Note: Includes preparing unique size mold for grate casting. Mold to be used for multiple castings.	2,233.41		
23 01 50 61-0047 Replacement Or Conversion Of Boiler Burners (23 01 50 61-0001)					
		Note: Includes mounting plate, mechanical and electrical labor for installation of burners.			
23 01 50 61-0048	EA	700 MBH Max Input Burner With 2" Boiler Connection, Screwed.....	11,058.61	1,219.72	
23 01 50 61-0049	EA	2,100 MBH Max Input Burner With 2-1/2" Boiler Connection, Screwed.....	15,971.43	1,510.10	
23 01 50 61-0050	EA	2,800 MBH Max Input Burner With 3" Boiler Connection, Screwed.....	18,862.44	1,829.45	
23 01 50 61-0051	EA	3,800 MBH Max Input Burner With 4" Boiler Connection, Flanged.....	22,261.42	1,968.80	
23 01 50 61-0052 Video Inspection Of Boiler Tubing (23 01 50 61-0001)					
23 01 50 61-0053	EA	Initial Set Up For Boiler Tubing Video Camera Inspection.....	479.26		
23 01 50 61-0054	LF	Boiler Tubing Inspection	0.58		
23 01 50 61-0055 Boiler And Chiller Water Treatment (23 01 50 61)					
		Note: 3 LB chemical per 50 gallon system water.			
23 01 50 61-0056	LB	Boil Out Boiler And System With Caustic Soda	1.74		
		Note: Includes disposal after treatment.			
23 01 50 61-0057	LB	Boil Out Boiler And System With Trisodium Phosphate.....	2.62		
		Note: Includes disposal after treatment.			
23 01 50 61-0058	GAL	Corrosion Resistant Chemical Treatment, Based On Gallons Of Chemical Required	163.43		
23 01 50 91 Central Heating Equipment Restoration (23 01 50)					
23 01 50 91-0001 Boiler Controllers (23 01 50 91)					
23 01 50 91-0002	EA	Modulating Controller For Up To 4 Boilers/Heaters	8,785.97	114.48	
		For NEMA 4 Enclosure, Add	4,908.45		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 01 Operation and Maintenance of HVAC Systems****23 01 50 Operation and Maintenance of Central Heating Equipment**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 01 50 91-0003	EA	Staging Controller For Up To 4 Boiler/Heaters	1,827.39	114.48
		For NEMA 3R Enclosure, Add	342.45	

23 01 60 Operation and Maintenance of Central Cooling Equipment (23 01)**23 01 60 61 Central Cooling Equipment Repair** (23 01 60)**23 01 60 61-0001 Cooling Tower Repairs** (23 01 60 61)

23 01 60 61-0002	EA	Replace 6' Diameter 4 Blade, Cooling Tower Fan Blade	3,617.24	
23 01 60 61-0003	EA	Replace 6' Diameter 5 Blade, Cooling Tower Fan Blade	4,266.47	
23 01 60 61-0004	EA	Replace 6' Diameter 6 Blade, Cooling Tower Fan Blade	4,910.94	
23 01 60 61-0005	EA	Replace 6' Diameter 7 Blade, Cooling Tower Fan Blade	5,804.23	
23 01 60 61-0006	EA	Replace 6' Diameter 8 Blade, Cooling Tower Fan Blade	6,398.96	
23 01 60 61-0007	EA	Replace 8' Diameter 4 Blade, Cooling Tower Fan Blade	3,991.99	
23 01 60 61-0008	EA	Replace 8' Diameter 5 Blade, Cooling Tower Fan Blade	4,446.90	
23 01 60 61-0009	EA	Replace 8' Diameter 6 Blade, Cooling Tower Fan Blade	5,228.82	
23 01 60 61-0010	EA	Replace 8' Diameter 7 Blade, Cooling Tower Fan Blade	5,963.34	
23 01 60 61-0011	EA	Replace 8' Diameter 8 Blade, Cooling Tower Fan Blade	6,572.30	
23 01 60 61-0012	EA	Replace Individual Cooling Tower Fan Blade For 6' Diameter Fan	993.15	
23 01 60 61-0013	EA	Replace Individual Cooling Tower Fan Blade For 8' Diameter Fan	1,030.66	
23 01 60 61-0014	EA	Replace Individual Cooling Tower Fan Blade For 10' Diameter Fan	1,101.37	
23 01 60 61-0015	EA	Replace Individual Cooling Tower Fan Blade For 12' Diameter Fan	1,283.41	
23 01 60 61-0016	EA	Replace Individual Cooling Tower Fan Blade For 14' Diameter Fan	1,591.03	
23 01 60 61-0017	EA	Replace Individual Cooling Tower Fan Blade For 16' Diameter Fan	2,152.19	
23 01 60 61-0018	EA	Replace Individual Cooling Tower Fan Blade For 18' Diameter Fan	2,263.15	
23 01 60 61-0019	EA	Replace Individual Cooling Tower Fan Blade For 20' Diameter Fan	2,429.61	
23 01 60 61-0020	EA	Replace Counterflow Nozzle (1/2" - 2" NPT Thread)	43.00	
23 01 60 61-0021	EA	Replace 6' Polyvinyl Chloride (PVC) Splash Fill	25.84	

23 01 60 71 Refrigerant Recovery/Recycling (23 01 60)**23 01 60 71-0001 Refrigerant Recovery, Reclaim And Recycling** (23 01 60 71)

See CSI section 23 01 60 71-0005 for flushing pipe with nitrogen and vacuum removal of inert gases.

23 01 60 71-0002	LB	Recovery Of Refrigerant	13.14	
23 01 60 71-0003	LB	Recovery And Recharging Of Refrigerant	24.65	
		Note: Includes cleaning refrigerant gas prior to recharging.		
23 01 60 71-0004	LB	Recharging Of Refrigerant	11.07	
		Note: Excludes refrigerant filling at time of installation of HVAC or Condenser units. See CSI section 23 23 23 00-0000 for refrigerants.		

23 01 60 71-0005 Flush And Cleaning Of Refrigerant Piping Systems With Nitrogen (23 01 60 71)

Note: Includes vacuum of nitrogen from pipe.

23 01 60 71-0006	EA	Up To 100', Up To 5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	134.35	
23 01 60 71-0007	EA	>100 To 250', Up To 5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	171.89	
23 01 60 71-0008	EA	>250 To 500', Up To 5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	216.29	
23 01 60 71-0009	EA	>500 To 1,000', Up To 5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	277.80	
23 01 60 71-0010	EA	>1,000 To 2,000', Up To 5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	368.06	
23 01 60 71-0011	LF	>2,000', Up To 5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	0.21	
23 01 60 71-0012	EA	Up To 100', >5/8" To 1-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	183.95	
23 01 60 71-0013	EA	>100 To 250', >5/8" To 1-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	235.52	
23 01 60 71-0014	EA	>250 To 500', >5/8" To 1-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	296.35	
23 01 60 71-0015	EA	>500 To 1,000', >5/8" To 1-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	381.15	
23 01 60 71-0016	EA	>1,000 To 2,000', >5/8" To 1-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	505.69	
23 01 60 71-0017	LF	>2,000', >5/8" To 1-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	0.28	
23 01 60 71-0018	EA	Up To 100', >1-1/8" To 1-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	233.81	
23 01 60 71-0019	EA	>100 To 250', >1-1/8" To 1-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	299.60	
23 01 60 71-0020	EA	>250 To 500', >1-1/8" To 1-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	377.43	
23 01 60 71-0021	EA	>500 To 1,000', >1-1/8" To 1-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	486.05	
23 01 60 71-0022	EA	>1,000 To 2,000', >1-1/8" To 1-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	647.31	
23 01 60 71-0023	LF	>2,000', >1-1/8" To 1-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	0.37	
23 01 60 71-0024	EA	Up To 100', >1-5/8" To 2-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	268.08	
23 01 60 71-0025	EA	>100 To 250', >1-5/8" To 2-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	346.96	
23 01 60 71-0026	EA	>250 To 500', >1-5/8" To 2-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	440.17	
23 01 60 71-0027	EA	>500 To 1,000', >1-5/8" To 2-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	571.51	
23 01 60 71-0028	EA	>1,000 To 2,000', >1-5/8" To 2-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	776.36	
23 01 60 71-0029	LF	>2,000', >1-5/8" To 2-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	0.43	
23 01 60 71-0030	EA	Up To 100', >2-1/8" To 2-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	318.58	
23 01 60 71-0031	EA	>100 To 250', >2-1/8" To 2-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	412.72	
23 01 60 71-0032	EA	>250 To 500', >2-1/8" To 2-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	572.32	
23 01 60 71-0033	EA	>500 To 1,000', >2-1/8" To 2-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	680.83	
23 01 60 71-0034	EA	>1,000 To 2,000', >2-1/8" To 2-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	926.74	
23 01 60 71-0035	LF	>2,000', >2-1/8" To 2-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	0.50	
23 01 60 71-0036	EA	Up To 100', >2-5/8" To 3-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	363.35	
23 01 60 71-0037	EA	>100 To 250', >2-5/8" To 3-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	471.03	
23 01 60 71-0038	EA	>250 To 500', >2-5/8" To 3-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	598.49	
23 01 60 71-0039	EA	>500 To 1,000', >2-5/8" To 3-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	778.60	
23 01 60 71-0040	EA	>1,000 To 2,000', >2-5/8" To 3-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	1,062.09	
23 01 60 71-0041	LF	>2,000', >2-5/8" To 3-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	0.58	

23 05 Common Work Results for HVAC (23)

23 05 13 Common Motor Requirements for HVAC Equipment (23 05)

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor.

23 05 13 00-0001	Premium Efficient, Motors (23 05 13)		
	Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. Excludes installation.		
23 05 13 00-0002	Premium Efficient, Open Drip Proof Motors (23 05 13 00-0001)		
	Note: NEMA premium efficiency, open drip proof, three phase AC motors.		
23 05 13 00-0003	Steel Frame, Premium Efficient, Open Drip Proof Motors (23 05 13 00-0002)		
23 05 13 00-0004	EA 1 HP, 3,600 RPM, 56 NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	765.35	
23 05 13 00-0005	EA 1 HP, 1,800 RPM, 143T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	866.62	
23 05 13 00-0006	EA 1 HP, 1,200 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,016.04	
23 05 13 00-0007	EA 1-1/2 HP, 3,600 RPM, 143T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	853.34	
23 05 13 00-0008	EA 1-1/2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	906.47	
23 05 13 00-0009	EA 1-1/2 HP, 1,200 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,188.70	
23 05 13 00-0010	EA 2 HP, 3,600 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,002.76	
23 05 13 00-0011	EA 2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	971.22	
23 05 13 00-0012	EA 2 HP, 1,200 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,215.27	
23 05 13 00-0013	EA 3 HP, 3,600 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,016.04	
23 05 13 00-0014	EA 3 HP, 1,800 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,047.59	
23 05 13 00-0015	EA 3 HP, 1,200 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,547.31	
23 05 13 00-0016	EA 5 HP, 3,600 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,109.01	
23 05 13 00-0017	EA 5 HP, 1,800 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,147.20	
23 05 13 00-0018	EA 5 HP, 1,200 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,027.10	
23 05 13 00-0019	EA 7-1/2 HP, 3,600 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,759.81	
23 05 13 00-0020	EA 7-1/2 HP, 1,800 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,686.76	
23 05 13 00-0021	EA 7-1/2 HP, 1,200 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,430.53	
23 05 13 00-0022	EA 10 HP, 3,600 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,012.16	
23 05 13 00-0023	EA 10 HP, 1,800 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,042.05	
23 05 13 00-0024	EA 10 HP, 1,200 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,162.68	
23 05 13 00-0025	EA 15 HP, 3,600 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,858.86	
23 05 13 00-0026	EA 15 HP, 1,800 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,892.07	
23 05 13 00-0027	EA 15 HP, 1,200 RPM, 284T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	4,265.05	
23 05 13 00-0028	EA 20 HP, 3,600 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,358.58	
23 05 13 00-0029	EA 20 HP, 1,800 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,630.86	
23 05 13 00-0030	EA 20 HP, 1,200 RPM, 286T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	5,191.45	
23 05 13 00-0031	EA 25 HP, 3,600 RPM, 284TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	4,032.63	
23 05 13 00-0032	EA 25 HP, 1,800 RPM, 284T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	4,426.09	
23 05 13 00-0033	EA 25 HP, 1,200 RPM, 324T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	6,270.58	
23 05 13 00-0034	EA 30 HP, 3,600 RPM, 286TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	4,758.13	
23 05 13 00-0035	EA 30 HP, 1,800 RPM, 286T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	4,839.48	
23 05 13 00-0036	EA 30 HP, 1,200 RPM, 326T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	6,541.19	
23 05 13 00-0037	EA 40 HP, 3,600 RPM, 324TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	6,131.12	
23 05 13 00-0038	EA 40 HP, 1,800 RPM, 324T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	6,313.74	
23 05 13 00-0039	EA 50 HP, 3,600 RPM, 326TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	6,677.32	
23 05 13 00-0040	EA 50 HP, 1,800 RPM, 326T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	6,967.86	
23 05 13 00-0041	EA 60 HP, 3,600 RPM, 364TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	8,448.76	
23 05 13 00-0042	EA 60 HP, 1,800 RPM, 364T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	8,772.50	
23 05 13 00-0043	EA 75 HP, 3,600 RPM, 365TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	11,083.50	
23 05 13 00-0044	EA 75 HP, 1,800 RPM, 365T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	10,768.06	
23 05 13 00-0045	EA 100 HP, 3,600 RPM, 365TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	11,847.19	
23 05 13 00-0046	EA 100 HP, 1,800 RPM, 404T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	12,527.87	
23 05 13 00-0047	EA 125 HP, 3,600 RPM, 404TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	14,868.75	
23 05 13 00-0048	EA 125 HP, 1,800 RPM, 405T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	15,368.47	
23 05 13 00-0049	EA 150 HP, 3,600 RPM, 405TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	18,341.89	
23 05 13 00-0050	Cast Iron Frame, Premium Efficient, Open Drip Proof Motors (23 05 13 00-0002)		
23 05 13 00-0051	EA 40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	9,318.70	
23 05 13 00-0052	EA 50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	11,281.06	
23 05 13 00-0053	EA 60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	14,322.55	
23 05 13 00-0054	EA 75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	15,946.22	
23 05 13 00-0055	EA 100 HP, 1,200 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	17,551.63	
23 05 13 00-0056	EA 125 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	18,954.50	
23 05 13 00-0057	EA 150 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	17,071.84	
23 05 13 00-0058	EA 150 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	22,323.05	
23 05 13 00-0059	EA 200 HP, 3,600 RPM, 444TS NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	20,785.70	
23 05 13 00-0060	EA 200 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	21,333.57	
23 05 13 00-0061	EA 200 HP, 1,200 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	29,344.04	
23 05 13 00-0062	Premium Efficient, TEFC Motors (23 05 13 00-0001)		
	Note: NEMA premium efficiency, totally enclosed fan cooled, three phase AC motors.		
23 05 13 00-0063	Steel Frame, Premium Efficient, TEFC Motors (23 05 13 00-0062)		
23 05 13 00-0064	EA 1 HP, 3,600 RPM, 56 NEMA Steel Frame, Premium Efficient, TEFC Motor	894.85	
23 05 13 00-0065	EA 1 HP, 1,800 RPM, 143T NEMA Steel Frame, Premium Efficient, TEFC Motor	986.16	
23 05 13 00-0066	EA 1 HP, 1,200 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,173.76	
23 05 13 00-0067	EA 1-1/2 HP, 3,600 RPM, 143T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,014.38	
23 05 13 00-0068	EA 1-1/2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,024.34	
23 05 13 00-0069	EA 2 HP, 3,600 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,110.67	
23 05 13 00-0070	EA 2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,062.53	
23 05 13 00-0071	EA 3 HP, 3,600 RPM, 182T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,231.87	
23 05 13 00-0072	EA 3 HP, 1,800 RPM, 182T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,173.76	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 13 Common Motor Requirements for HVAC Equipment**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 05 13 00-0073	EA	3 HP, 1,200 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	1,884.33	
23 05 13 00-0074	EA	5 HP, 3,600 RPM, 184T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	1,366.34	
23 05 13 00-0075	EA	5 HP, 1,800 RPM, 184T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	1,284.99	
23 05 13 00-0076	EA	5 HP, 1,200 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	2,128.38	
23 05 13 00-0077	EA	7-1/2 HP, 3,600 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	2,047.03	
23 05 13 00-0078	EA	7-1/2 HP, 1,800 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	1,852.78	
23 05 13 00-0079	EA	10 HP, 3,600 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	2,075.25	
23 05 13 00-0080	EA	10 HP, 1,800 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	2,091.85	

23 05 13 00-0081 Cast Iron Frame, Premium Efficient, TEFC Motors (23 05 13 00-0062)

23 05 13 00-0082	EA	1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,276.69	
23 05 13 00-0083	EA	1 HP, 1,200 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,429.43	
23 05 13 00-0084	EA	1-1/2 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,348.08	
23 05 13 00-0085	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,323.18	
23 05 13 00-0086	EA	1-1/2 HP, 1,200 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,701.70	
23 05 13 00-0087	EA	2 HP, 3,600 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,417.81	
23 05 13 00-0088	EA	2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,386.27	
23 05 13 00-0089	EA	2 HP, 1,200 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,728.27	
23 05 13 00-0090	EA	3 HP, 3,600 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,530.70	
23 05 13 00-0091	EA	3 HP, 1,800 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,573.87	
23 05 13 00-0092	EA	3 HP, 1,200 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	2,153.28	
23 05 13 00-0093	EA	5 HP, 3,600 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,884.33	
23 05 13 00-0094	EA	5 HP, 1,800 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,575.53	
23 05 13 00-0095	EA	5 HP, 1,200 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	2,498.60	
23 05 13 00-0096	EA	7-1/2 HP, 3,600 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	2,181.50	
23 05 13 00-0097	EA	7-1/2 HP, 1,800 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	2,101.81	
23 05 13 00-0098	EA	7-1/2 HP, 1,200 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	3,562.79	
23 05 13 00-0099	EA	10 HP, 3,600 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	2,556.71	
23 05 13 00-0100	EA	10 HP, 1,800 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	2,357.48	
23 05 13 00-0101	EA	10 HP, 1,200 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	4,067.49	
23 05 13 00-0102	EA	15 HP, 3,600 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	3,522.94	
23 05 13 00-0103	EA	15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	3,224.11	
23 05 13 00-0104	EA	15 HP, 1,200 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	5,425.53	
23 05 13 00-0105	EA	20 HP, 3,600 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	3,866.61	
23 05 13 00-0106	EA	20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	3,909.77	
23 05 13 00-0107	EA	20 HP, 1,200 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	7,223.53	
23 05 13 00-0108	EA	25 HP, 3,600 RPM, 284TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	5,045.35	
23 05 13 00-0109	EA	25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	5,113.42	
23 05 13 00-0110	EA	25 HP, 1,200 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	8,173.16	
23 05 13 00-0111	EA	30 HP, 3,600 RPM, 286TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	5,994.98	
23 05 13 00-0112	EA	30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	6,066.37	
23 05 13 00-0113	EA	30 HP, 1,200 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	9,441.56	
23 05 13 00-0114	EA	40 HP, 3,600 RPM, 324TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	8,217.99	
23 05 13 00-0115	EA	40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	7,932.44	
23 05 13 00-0116	EA	40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	11,765.84	
23 05 13 00-0117	EA	50 HP, 3,600 RPM, 326TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	8,989.98	
23 05 13 00-0118	EA	50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	8,669.56	
23 05 13 00-0119	EA	50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	14,217.95	
23 05 13 00-0120	EA	60 HP, 3,600 RPM, 364TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	12,629.14	
23 05 13 00-0121	EA	60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	12,474.74	
23 05 13 00-0122	EA	60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	17,257.78	
23 05 13 00-0123	EA	75 HP, 3,600 RPM, 365TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	14,692.77	
23 05 13 00-0124	EA	75 HP, 1,800 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	14,586.52	
23 05 13 00-0125	EA	75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	20,096.72	
23 05 13 00-0126	EA	100 HP, 1,800 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	18,114.44	
23 05 13 00-0127	EA	125 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	22,425.98	
23 05 13 00-0128	EA	150 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	25,796.19	
23 05 13 00-0129	EA	200 HP, 1,800 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	32,420.39	

23 05 13 00-0130 Premium Efficient, Severe Duty Motors (23 05 13 00-0001)

Note: NEMA premium efficiency, TEFC enclosure severe duty, three phase AC motors.

23 05 13 00-0131	EA	1 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	1,326.50	
23 05 13 00-0132	EA	1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	1,457.66	
23 05 13 00-0133	EA	1 HP, 1,200 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	1,610.39	
23 05 13 00-0134	EA	1 HP, 900 RPM, L182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	2,262.85	
23 05 13 00-0135	EA	1-1/2 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	1,509.12	
23 05 13 00-0136	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	1,485.88	
23 05 13 00-0137	EA	1-1/2 HP, 1,200 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	1,884.33	
23 05 13 00-0138	EA	1-1/2 HP, 900 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	2,815.70	
23 05 13 00-0139	EA	2 HP, 3,600 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	1,578.85	
23 05 13 00-0140	EA	2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	1,550.63	
23 05 13 00-0141	EA	2 HP, 1,200 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	1,909.23	
23 05 13 00-0142	EA	2 HP, 900 RPM, L213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	3,551.17	
23 05 13 00-0143	EA	3 HP, 3,600 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	1,867.72	
23 05 13 00-0144	EA	3 HP, 1,800 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	1,962.36	
23 05 13 00-0145	EA	3 HP, 1,200 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	2,755.93	
23 05 13 00-0146	EA	3 HP, 900 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	3,851.66	
23 05 13 00-0147	EA	5 HP, 3,600 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	2,297.72	
23 05 13 00-0148	EA	5 HP, 1,800 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	1,997.22	
23 05 13 00-0149	EA	5 HP, 1,200 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	2,792.46	
23 05 13 00-0150	EA	5 HP, 900 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	6,131.12	
23 05 13 00-0151	EA	7-1/2 HP, 3,600 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	2,998.32	
23 05 13 00-0152	EA	7-1/2 HP, 1,800 RPM, L213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	2,515.20	

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 13 00-0153	EA	7-1/2 HP, 1,200 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	3,996.10	
23 05 13 00-0154	EA	7-1/2 HP, 900 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	7,011.02	
23 05 13 00-0155	EA	10 HP, 3,600 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	3,192.56	
23 05 13 00-0156	EA	10 HP, 1,800 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	3,011.60	
23 05 13 00-0157	EA	10 HP, 1,200 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	5,191.45	
23 05 13 00-0158	EA	10 HP, 900 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	8,178.15	
23 05 13 00-0159	EA	15 HP, 3,600 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	4,084.09	
23 05 13 00-0160	EA	15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	3,836.72	
23 05 13 00-0161	EA	15 HP, 1,200 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	5,951.82	
23 05 13 00-0162	EA	15 HP, 900 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	10,917.48	
23 05 13 00-0163	EA	20 HP, 3,600 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	4,764.77	
23 05 13 00-0164	EA	20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	4,115.64	
23 05 13 00-0165	EA	20 HP, 1,200 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	8,086.83	
23 05 13 00-0166	EA	20 HP, 900 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	12,446.52	
23 05 13 00-0167	EA	25 HP, 3,600 RPM, 284TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	5,726.03	
23 05 13 00-0168	EA	25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	5,385.69	
23 05 13 00-0169	EA	25 HP, 1,200 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	8,450.42	
23 05 13 00-0170	EA	30 HP, 3,600 RPM, 286TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	6,981.14	
23 05 13 00-0171	EA	30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	6,395.09	
23 05 13 00-0172	EA	30 HP, 1,200 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	10,894.23	
23 05 13 00-0173	EA	40 HP, 3,600 RPM, 324TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	9,590.98	
23 05 13 00-0174	EA	40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	8,367.41	
23 05 13 00-0175	EA	40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	13,578.78	
23 05 13 00-0176	EA	50 HP, 3,600 RPM, 326TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	10,050.85	
23 05 13 00-0177	EA	50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	9,821.74	
23 05 13 00-0178	EA	50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	14,463.66	
23 05 13 00-0179	EA	60 HP, 3,600 RPM, 364TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	14,586.52	
23 05 13 00-0180	EA	60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	13,163.73	
23 05 13 00-0181	EA	60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	19,756.38	
23 05 13 00-0182	EA	75 HP, 3,600 RPM, 365TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	16,306.48	
23 05 13 00-0183	EA	75 HP, 1,800 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	15,381.75	
23 05 13 00-0184	EA	75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	24,044.68	
23 05 13 00-0185	EA	100 HP, 3,600 RPM, 405TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	20,496.83	
23 05 13 00-0186	EA	100 HP, 1,800 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	20,191.35	
23 05 13 00-0187	EA	100 HP, 1,200 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	26,446.99	
23 05 13 00-0188	EA	125 HP, 3,600 RPM, 444TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	24,084.52	
23 05 13 00-0189	EA	125 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	23,870.36	
23 05 13 00-0190	EA	125 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	29,876.96	
23 05 13 00-0191	EA	150 HP, 3,600 RPM, 445TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	28,235.02	
23 05 13 00-0192	EA	150 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	27,964.41	
23 05 13 00-0193	EA	150 HP, 1,200 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	33,685.46	
23 05 13 00-0194	EA	200 HP, 3,600 RPM, 447TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	33,434.77	
23 05 13 00-0195	EA	200 HP, 1,800 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	33,640.63	
23 05 13 00-0196	EA	200 HP, 1,200 RPM, 449T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	44,124.80	
23 05 13 00-0197 Premium Efficient, Explosion Proof Motors (23 05 13 00-0001)				
Note: NEMA premium efficiency, explosion proof, three phase AC motors.				
23 05 13 00-0198	EA	1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	1,769.77	
23 05 13 00-0199	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	1,832.86	
23 05 13 00-0200	EA	2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	1,998.88	
23 05 13 00-0201	EA	3 HP, 1,800 RPM, L182T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	2,470.38	
23 05 13 00-0202	EA	5 HP, 1,800 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	2,739.33	
23 05 13 00-0203	EA	7-1/2 HP, 1,800 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	3,775.29	
23 05 13 00-0204	EA	10 HP, 1,800 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	3,853.32	
23 05 13 00-0205	EA	15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	5,216.35	
23 05 13 00-0206	EA	20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	5,946.84	
23 05 13 00-0207	EA	25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	7,812.90	
23 05 13 00-0208	EA	30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	8,769.18	
23 05 13 00-0209	EA	40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	11,467.00	
23 05 13 00-0210	EA	50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	12,914.70	
23 05 13 00-0211	EA	60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	18,066.30	
23 05 13 00-0212	EA	75 HP, 1,800 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	21,209.06	
23 05 13 00-0213	EA	100 HP, 1,800 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	25,836.03	
23 05 13 00-0214	EA	125 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	33,768.47	
23 05 13 00-0215	EA	150 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	38,529.92	
23 05 13 00-0216 Motor Mounting (23 05 13)				
Note: Includes handling and motor installation on mounting base. Excludes mounting base.				
23 05 13 00-0217	EA	1/2 HP Motor Mounting.....	184.55	93.89
23 05 13 00-0218	EA	3/4 HP Motor Mounting.....	212.64	117.37
23 05 13 00-0219	EA	1 HP Motor Mounting.....	227.47	117.37
23 05 13 00-0220	EA	1-1/2 HP Motor Mounting.....	244.53	117.37
23 05 13 00-0221	EA	2 HP Motor Mounting.....	264.35	140.85
23 05 13 00-0222	EA	3 HP Motor Mounting.....	305.66	140.85
23 05 13 00-0223	EA	5 HP Motor Mounting.....	362.26	234.75
23 05 13 00-0224	EA	7-1/2 HP Motor Mounting.....	465.76	234.75
23 05 13 00-0225	EA	10 HP Motor Mounting.....	611.32	410.81
23 05 13 00-0226	EA	15 HP Motor Mounting.....	752.39	410.81
23 05 13 00-0227	EA	20 HP Motor Mounting.....	889.18	586.86
23 05 13 00-0228	EA	25 HP Motor Mounting.....	1,008.35	586.86
23 05 13 00-0229	EA	30 HP Motor Mounting.....	1,222.63	586.86
23 05 13 00-0230	EA	40 HP Motor Mounting.....	1,377.60	880.29
23 05 13 00-0231	EA	50 HP Motor Mounting.....	1,528.29	880.29

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 13 Common Motor Requirements for HVAC Equipment**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 05 13 00-0232	EA	75 HP Motor Mounting.....	1,845.47	1,291.10
23 05 13 00-0233	EA	100 HP Motor Mounting.....	2,222.95	1,291.10
23 05 13 00-0234	EA	125 HP Motor Mounting.....	2,716.95	1,760.58
23 05 13 00-0235	EA	150 HP Motor Mounting.....	3,155.17	1,760.58
23 05 13 00-0236	EA	200 HP Motor Mounting.....	3,622.60	2,112.70

23 05 13 00-0237 Motor Couplings (23 05 13)

23 05 13 00-0238	EA	5 To 15 HP, MGD Coupling (MagnaDrive MGE-07).....	5,230.08	75.55
23 05 13 00-0239	EA	>15 To 50 HP, MGD Coupling (MagnaDrive MGE-11).....	6,812.28	113.33
23 05 13 00-0240	EA	>50 To 100 HP, MGD Coupling (MagnaDrive MGE-15).....	11,864.82	151.12

23 05 16 Expansion Fittings and Loops for HVAC Piping (23 05)**23 05 16 00-0001 Stainless Steel Bellows Type Expansion Joints** (23 05 16)

Note: Includes internal sleeves and external covers.

23 05 16 00-0002 Threaded, 150 Lb., Stainless Steel Bellows Type Expansion Joints (23 05 16 00-0001)

Note: Carbon steel ends. Includes internal sleeves and external covers.

23 05 16 00-0003	EA	1/2" Threaded, 150 Lb., Stainless Steel Bellows Type Expansion Joint.....	250.53	100.20
		<i>For 300 Lb. Rating, Add</i>	12.51	
23 05 16 00-0004	EA	3/4" Threaded, 150 Lb., Stainless Steel Bellows Type Expansion Joint.....	280.66	112.99
		<i>For 300 Lb. Rating, Add</i>	13.70	
23 05 16 00-0005	EA	1" Threaded, 150 Lb., Stainless Steel Bellows Type Expansion Joint.....	330.44	129.53
		<i>For 300 Lb. Rating, Add</i>	17.87	
23 05 16 00-0006	EA	1-1/4" Threaded, 150 Lb., Stainless Steel Bellows Type Expansion Joint.....	374.59	144.58
		<i>For 300 Lb. Rating, Add</i>	21.44	
23 05 16 00-0007	EA	1-1/2" Threaded, 150 Lb., Stainless Steel Bellows Type Expansion Joint.....	406.01	155.39
		<i>For 300 Lb. Rating, Add</i>	23.81	
23 05 16 00-0008	EA	2" Threaded, 150 Lb., Stainless Steel Bellows Type Expansion Joint.....	465.62	182.85
		<i>For 300 Lb. Rating, Add</i>	25.00	

23 05 16 00-0009 Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joints (23 05 16 00-0001)

Note: Carbon steel ends. Includes internal sleeves and external covers.

23 05 16 00-0010	EA	1-1/4" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint.....	586.16	100.17
		<i>For 300 Lb. Rating, Add</i>	115.43	
23 05 16 00-0011	EA	1-1/2" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint.....	642.55	120.20
		<i>For 300 Lb. Rating, Add</i>	122.98	
23 05 16 00-0012	EA	2" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint.....	682.81	152.60
		<i>For 300 Lb. Rating, Add</i>	123.00	
23 05 16 00-0013	EA	2-1/2" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint.....	736.60	166.00
		<i>For 300 Lb. Rating, Add</i>	132.12	
23 05 16 00-0014	EA	3" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint.....	814.63	194.62
		<i>For 300 Lb. Rating, Add</i>	142.77	
23 05 16 00-0015	EA	4" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint.....	1,024.84	326.26
		<i>For 300 Lb. Rating, Add</i>	154.00	
23 05 16 00-0016	EA	5" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint.....	1,363.80	356.85
		<i>For 300 Lb. Rating, Add</i>	229.61	
23 05 16 00-0017	EA	6" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint.....	1,283.94	396.50
		<i>For 300 Lb. Rating, Add</i>	196.64	
23 05 16 00-0018	EA	8" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint.....	1,648.88	506.64
		<i>For 300 Lb. Rating, Add</i>	254.88	
23 05 16 00-0019	EA	10" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint.....	2,089.76	616.77
		<i>For 300 Lb. Rating, Add</i>	329.70	
23 05 16 00-0020	EA	12" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint.....	2,724.45	467.20
		<i>For 300 Lb. Rating, Add</i>	447.20	
23 05 16 00-0021	EA	14" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint.....	3,445.56	881.11
		<i>For 300 Lb. Rating, Add</i>	586.05	
23 05 16 00-0022	EA	16" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint.....	4,398.14	969.21
		<i>For 300 Lb. Rating, Add</i>	796.66	

23 05 16 00-0023 Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joints (23 05 16 00-0001)

Note: Carbon steel ends. Includes internal sleeves and external covers.

23 05 16 00-0024	EA	1-1/4" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint.....	645.52	137.38
		<i>For 300 Lb. Rating, Add</i>	92.72	
23 05 16 00-0025	EA	1-1/2" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint.....	672.16	138.51
		<i>For 300 Lb. Rating, Add</i>	98.78	
23 05 16 00-0026	EA	2" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint.....	681.66	143.10
		<i>For 300 Lb. Rating, Add</i>	98.80	
23 05 16 00-0027	EA	2-1/2" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint.....	736.90	156.03
		<i>For 300 Lb. Rating, Add</i>	106.12	
23 05 16 00-0028	EA	3" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint.....	827.00	183.51
		<i>For 300 Lb. Rating, Add</i>	114.90	
23 05 16 00-0029	EA	4" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint.....	1,224.85	365.42
		<i>For 300 Lb. Rating, Add</i>	123.69	
23 05 16 00-0030	EA	5" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint.....	1,481.84	373.04
		<i>For 300 Lb. Rating, Add</i>	184.42	
23 05 16 00-0031	EA	6" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint.....	1,457.20	413.02
		<i>For 300 Lb. Rating, Add</i>	157.94	
23 05 16 00-0032	EA	8" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint.....	1,761.37	471.94
		<i>For 300 Lb. Rating, Add</i>	204.72	
23 05 16 00-0033	EA	10" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint.....	2,213.39	578.22
		<i>For 300 Lb. Rating, Add</i>	264.81	
23 05 16 00-0034	EA	12" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint.....	2,838.52	700.92
		<i>For 300 Lb. Rating, Add</i>	359.19	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 16 00-0035	EA	14" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint..... <i>For 300 Lb. Rating, Add</i>	3,383.44 488.93	713.70
23 05 16 00-0036	EA	16" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint..... <i>For 300 Lb. Rating, Add</i>	4,443.21 664.64	892.11
23 05 16 00-0037		Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joints (23 05 16)		
23 05 16 00-0038		Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joints (23 05 16 00-0037)		
23 05 16 00-0039	EA	2" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint.....	836.57	152.60
23 05 16 00-0040	EA	2-1/2" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint.....	901.75	166.00
23 05 16 00-0041	EA	3" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint.....	993.09	194.62
23 05 16 00-0042	EA	4" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint.....	1,217.34	326.26
23 05 16 00-0043	EA	5" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint.....	1,650.81	356.85
23 05 16 00-0044	EA	6" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint.....	1,529.75	396.50
23 05 16 00-0045	EA	8" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint.....	1,967.49	506.64
23 05 16 00-0046	EA	10" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint.....	2,501.90	616.77
23 05 16 00-0047	EA	12" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint.....	3,283.48	467.76
23 05 16 00-0048	EA	14" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint.....	4,178.14	881.11
23 05 16 00-0049	EA	16" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint.....	5,393.99	969.21
23 05 16 00-0050	EA	18" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint.....	7,040.54	1,074.95
23 05 16 00-0051	EA	20" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint.....	8,200.39	1,211.52
23 05 16 00-0052	EA	24" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint.....	9,444.41	1,486.87
23 05 16 00-0053	EA	30" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint.....	12,323.68	2,423.03
23 05 16 00-0054	EA	36" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint.....	15,791.93	3,230.72
23 05 16 00-0055		Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joints (23 05 16)		
23 05 16 00-0056		Flanged, 150 Lb., Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joints (23 05 16 00-0055)		
23 05 16 00-0057	EA	2" Flanged, 150 Lb., Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint.....	1,233.69	152.60
23 05 16 00-0058	EA	2-1/2" Flanged, 150 Lb., Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint.....	1,328.30	166.00
23 05 16 00-0059	EA	3" Flanged, 150 Lb., Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint.....	1,454.03	194.62
23 05 16 00-0060	EA	4" Flanged, 150 Lb., Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint.....	1,714.53	326.26
23 05 16 00-0061	EA	5" Flanged, 150 Lb., Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint.....	2,392.11	356.85
23 05 16 00-0062	EA	6" Flanged, 150 Lb., Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint.....	2,164.62	396.50
23 05 16 00-0063	EA	8" Flanged, 150 Lb., Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint.....	2,790.39	506.64
23 05 16 00-0064	EA	10" Flanged, 150 Lb., Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint.....	3,566.38	616.77
23 05 16 00-0065	EA	12" Flanged, 150 Lb., Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint.....	4,727.32	467.76
23 05 16 00-0066	EA	14" Flanged, 150 Lb., Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint.....	6,070.25	881.11
23 05 16 00-0067	EA	16" Flanged, 150 Lb., Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint.....	7,966.08	969.21
23 05 16 00-0068	EA	18" Flanged, 150 Lb., Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint.....	10,543.94	1,074.95
23 05 16 00-0069	EA	20" Flanged, 150 Lb., Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint.....	12,312.06	1,211.52
23 05 16 00-0070	EA	24" Flanged, 150 Lb., Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint.....	14,109.45	1,486.87
23 05 16 00-0071	EA	30" Flanged, 150 Lb., Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint.....	18,039.75	2,423.03
23 05 16 00-0072	EA	36" Flanged, 150 Lb., Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint.....	23,019.99	3,230.72
23 05 16 00-0073		Neoprene Bellows Type Expansion Joints (23 05 16)		
23 05 16 00-0074		Flanged, 150 Lb., Neoprene Bellows Type Expansion Joints (23 05 16 00-0073) Note: Cast iron ends.		
23 05 16 00-0075	EA	2" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint.....	1,132.50	152.60
23 05 16 00-0076	EA	2-1/2" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint.....	1,202.15	166.00
23 05 16 00-0077	EA	3" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint.....	1,250.66	194.62
23 05 16 00-0078	EA	4" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint.....	1,533.66	326.26
23 05 16 00-0079	EA	5" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint.....	1,818.69	356.85
23 05 16 00-0080	EA	6" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint.....	1,892.49	396.50
23 05 16 00-0081	EA	8" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint.....	2,286.05	506.64
23 05 16 00-0082	EA	10" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint.....	2,558.44	616.77
23 05 16 00-0083	EA	12" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint.....	2,853.91	467.53
23 05 16 00-0084	EA	14" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint.....	3,651.80	881.11
23 05 16 00-0085	EA	16" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint.....	4,677.48	969.21
23 05 16 00-0086	EA	18" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint.....	6,052.16	1,074.95
23 05 16 00-0087	EA	20" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint.....	7,073.02	1,211.52
23 05 16 00-0088	EA	24" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint.....	8,158.35	1,486.87
23 05 16 00-0089	EA	30" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint.....	10,723.67	2,423.03
23 05 16 00-0090	EA	36" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint.....	13,782.33	3,230.72
23 05 16 00-0091		Tube And Cover Expansion Joints (23 05 16) Note: Carbon steel split backup rings.		
23 05 16 00-0092		Flanged, 150 Lb., Tube And Cover Expansion Joints (23 05 16 00-0091)		
23 05 16 00-0093		Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joints (23 05 16 00-0092)		
23 05 16 00-0094	EA	1" x 6" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451).....	471.54	85.86
23 05 16 00-0095	EA	1-1/4" x 6" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451).....	448.24	100.17
23 05 16 00-0096	EA	1-1/2" x 6" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451).....	534.40	120.20

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 16 Expansion Fittings and Loops for HVAC Piping**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 05 16 00-0097	EA	2" x 6" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	622.54	152.60
23 05 16 00-0098	EA	2-1/2" x 6" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	699.84	166.00
23 05 16 00-0099	EA	3" x 6" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	792.16	211.33
23 05 16 00-0100	EA	4" x 6" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	1,055.59	354.28
23 05 16 00-0101	EA	5" x 6" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	1,174.27	402.76
23 05 16 00-0102	EA	6" x 6" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	1,300.91	396.50
23 05 16 00-0103	EA	8" x 6" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	1,678.71	450.70
23 05 16 00-0104	EA	10" x 8" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	2,485.93	616.77
23 05 16 00-0105	EA	12" x 8" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	3,141.18	748.94
23 05 16 00-0106	EA	14" x 8" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	3,523.93	881.11
23 05 16 00-0107	EA	16" x 8" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	3,933.89	969.21
23 05 16 00-0108	EA	18" x 8" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	4,281.92	1,074.95
23 05 16 00-0109	EA	20" x 8" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	5,136.23	1,211.52
23 05 16 00-0110	EA	24" x 10" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	6,235.95	1,486.87
23 05 16 00-0111	EA	30" x 10" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	8,953.24	2,423.03
23 05 16 00-0112	EA	36" x 10" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	10,778.35	3,230.72

23 05 16 00-0113 Flanged, 150 Lb., Rubber Tube And Cover Expansion Joints (23 05 16 00-0092)

23 05 16 00-0114	EA	1" x 6" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	447.55	85.86
23 05 16 00-0115	EA	1-1/4" x 6" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	424.25	100.17
23 05 16 00-0116	EA	1-1/2" x 6" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	510.41	120.20
23 05 16 00-0117	EA	2" x 6" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	598.56	152.60
23 05 16 00-0118	EA	2-1/2" x 6" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	675.86	166.00
23 05 16 00-0119	EA	3" x 6" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	768.18	211.33
23 05 16 00-0120	EA	4" x 6" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	1,019.61	354.28
23 05 16 00-0121	EA	5" x 6" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	1,138.29	402.76
23 05 16 00-0122	EA	6" x 6" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	1,264.93	396.50
23 05 16 00-0123	EA	8" x 6" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	1,684.73	506.64
23 05 16 00-0124	EA	10" x 8" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	2,354.01	616.77
23 05 16 00-0125	EA	12" x 8" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	3,021.25	748.94
23 05 16 00-0126	EA	14" x 8" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	3,392.00	881.11
23 05 16 00-0127	EA	16" x 8" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	3,801.96	969.21
23 05 16 00-0128	EA	18" x 8" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	4,138.00	1,074.95
23 05 16 00-0129	EA	20" x 8" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	4,968.33	1,211.52
23 05 16 00-0130	EA	24" x 10" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	6,032.07	1,486.87
23 05 16 00-0131	EA	30" x 10" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	8,365.60	2,423.03
23 05 16 00-0132	EA	36" x 10" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	10,442.56	3,230.72

23 05 16 00-0133 Flanged, 125 Lb., Buna-N Tube And Cover Expansion Joints (23 05 16 00-0092)

23 05 16 00-0134	EA	2" x 6" Flanged, 125 Lb., Buna-N Tube And Cover Expansion Joint (Mercer 451)	610.55	152.60
23 05 16 00-0135	EA	3" x 6" Flanged, 125 Lb., Buna-N Tube And Cover Expansion Joint (Mercer 451)	759.18	211.33
23 05 16 00-0136	EA	4" x 6" Flanged, 125 Lb., Buna-N Tube And Cover Expansion Joint (Mercer 451)	1,007.62	354.28
23 05 16 00-0137	EA	6" x 6" Flanged, 125 Lb., Buna-N Tube And Cover Expansion Joint (Mercer 451)	1,162.99	396.50
23 05 16 00-0138	EA	8" x 6" Flanged, 125 Lb., Buna-N Tube And Cover Expansion Joint (Mercer 451)	1,444.87	506.64
23 05 16 00-0139	EA	10" x 8" Flanged, 125 Lb., Buna-N Tube And Cover Expansion Joint (Mercer 451)	1,790.35	616.77
23 05 16 00-0140	EA	12" x 8" Flanged, 125 Lb., Buna-N Tube And Cover Expansion Joint (Mercer 451)	2,139.78	748.94

23 05 16 00-0141 Flanged, Tube And Cover Expansion Joints (Mercer 501) (23 05 16 00-0091)**23 05 16 00-0142 Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joints (501EE)** (23 05 16 00-0141)

23 05 16 00-0143	EA	1-1/2" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	894.18	120.20
23 05 16 00-0144	EA	2" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	994.32	152.60
23 05 16 00-0145	EA	2-1/2" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	1,035.64	166.00
23 05 16 00-0146	EA	3" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	1,175.93	211.33
23 05 16 00-0147	EA	4" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	1,499.33	354.28
23 05 16 00-0148	EA	5" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	1,653.98	402.76
23 05 16 00-0149	EA	6" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	1,756.63	396.50
23 05 16 00-0150	EA	8" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	2,344.33	506.64
23 05 16 00-0151	EA	10" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	2,893.69	616.77
23 05 16 00-0152	EA	12" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	3,345.05	748.94
23 05 16 00-0153	EA	14" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	3,835.74	881.11
23 05 16 00-0154	EA	16" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	4,185.73	969.21
23 05 16 00-0155	EA	18" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	4,581.74	1,074.95
23 05 16 00-0156	EA	20" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	5,376.08	1,211.52

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 16 00-0157	EA	24" x 10" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	6,595.74	1,486.87
23 05 16 00-0158	EA	30" x 10" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	9,540.89	2,423.03
23 05 16 00-0159	EA	36" x 10" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	11,857.71	3,230.72
23 05 16 00-0160	EA	42" x 12" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	15,555.90	4,846.08
23 05 16 00-0161	EA	48" x 12" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	18,473.46	6,057.60
23 05 16 00-0162	EA	60" x 12" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	24,683.40	8,722.93
23 05 16 00-0163 Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 501RR) (23 05 16 00-0141)				
23 05 16 00-0164	EA	1-1/2" x 6" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	846.21	120.20
23 05 16 00-0165	EA	2" x 6" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	934.35	152.60
23 05 16 00-0166	EA	2-1/2" x 6" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	975.68	166.00
23 05 16 00-0167	EA	3" x 6" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	1,103.98	211.33
23 05 16 00-0168	EA	4" x 6" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	1,415.38	354.28
23 05 16 00-0169	EA	5" x 6" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	1,570.03	402.76
23 05 16 00-0170	EA	6" x 6" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	1,660.69	396.50
23 05 16 00-0171	EA	8" x 6" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	2,212.41	506.64
23 05 16 00-0172	EA	10" x 8" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	2,737.78	616.77
23 05 16 00-0173	EA	12" x 8" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	3,165.16	748.94
23 05 16 00-0174	EA	14" x 8" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	3,631.86	881.11
23 05 16 00-0175	EA	16" x 8" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	3,969.86	969.21
23 05 16 00-0176	EA	18" x 8" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	4,329.89	1,074.95
23 05 16 00-0177	EA	20" x 8" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	5,088.25	1,211.52
23 05 16 00-0178	EA	24" x 10" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	6,247.94	1,486.87
23 05 16 00-0179	EA	30" x 10" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	9,049.19	2,423.03
23 05 16 00-0180	EA	36" x 10" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	11,270.06	3,230.72
23 05 16 00-0181 Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501) (23 05 16 00-0141)				
Note: 501BB, 501NN or 501NiNi.				
23 05 16 00-0182	EA	1-1/2" x 6" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	894.18	120.20
23 05 16 00-0183	EA	2" x 6" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	1,006.31	152.60
23 05 16 00-0184	EA	2-1/2" x 6" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	1,035.64	166.00
23 05 16 00-0185	EA	3" x 6" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	1,175.93	211.33
23 05 16 00-0186	EA	4" x 6" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	1,499.33	354.28
23 05 16 00-0187	EA	5" x 6" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	1,653.98	402.76
23 05 16 00-0188	EA	6" x 6" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	1,768.63	396.50
23 05 16 00-0189	EA	8" x 6" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	2,344.33	506.64
23 05 16 00-0190	EA	10" x 8" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	2,893.69	616.77
23 05 16 00-0191	EA	12" x 8" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	3,345.05	748.94
23 05 16 00-0192	EA	14" x 8" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	3,835.74	881.11
23 05 16 00-0193	EA	16" x 8" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	4,185.73	969.21
23 05 16 00-0194	EA	18" x 8" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	4,581.74	1,074.95
23 05 16 00-0195	EA	20" x 8" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	5,376.08	1,211.52
23 05 16 00-0196	EA	24" x 10" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	6,595.74	1,486.87
23 05 16 00-0197	EA	30" x 10" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	9,540.89	2,423.03
23 05 16 00-0198	EA	36" x 10" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	11,857.71	3,230.72
23 05 16 00-0199 Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joints (Mercer 501NNFA) (23 05 16 00-0141)				
23 05 16 00-0200	EA	1-1/2" x 6" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	930.16	120.20
23 05 16 00-0201	EA	2" x 6" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	1,030.30	152.60
23 05 16 00-0202	EA	2-1/2" x 6" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	1,071.62	166.00
23 05 16 00-0203	EA	3" x 6" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	1,223.90	211.33
23 05 16 00-0204	EA	4" x 6" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	1,559.29	354.28
23 05 16 00-0205	EA	5" x 6" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	1,713.94	402.76
23 05 16 00-0206	EA	6" x 6" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	1,828.59	396.50
23 05 16 00-0207	EA	8" x 6" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	2,428.28	506.64
23 05 16 00-0208	EA	10" x 8" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	3,001.62	616.77
23 05 16 00-0209	EA	12" x 8" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	3,476.97	748.94
23 05 16 00-0210	EA	14" x 8" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	3,967.66	881.11
23 05 16 00-0211	EA	16" x 8" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	4,341.64	969.21
23 05 16 00-0212	EA	18" x 8" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	4,737.64	1,074.95
23 05 16 00-0213	EA	20" x 8" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	5,567.97	1,211.52
23 05 16 00-0214	EA	24" x 10" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	6,847.58	1,486.87
23 05 16 00-0215 Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E) (23 05 16 00-0141)				
Note: Kevlar reinforcement for high temperature.				
23 05 16 00-0216	EA	1-1/2" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E)	1,158.03	120.20
23 05 16 00-0217	EA	2" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E)	1,222.18	152.60

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 16 Expansion Fittings and Loops for HVAC Piping**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 05 16 00-0218	EA	2-1/2" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E).....	1,323.47	166.00
23 05 16 00-0219	EA	3" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E).....	1,427.78	211.33
23 05 16 00-0220	EA	4" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E).....	1,967.05	354.28
23 05 16 00-0221	EA	5" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E).....	2,145.68	402.76
23 05 16 00-0222	EA	6" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E).....	2,212.36	396.50
23 05 16 00-0223	EA	8" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E).....	2,620.16	506.64
23 05 16 00-0224	EA	10" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E).....	3,109.56	616.77
23 05 16 00-0225	EA	12" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E).....	3,764.80	748.94
23 05 16 00-0226	EA	14" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E).....	4,447.37	881.11
23 05 16 00-0227	EA	16" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E).....	5,181.14	969.21
23 05 16 00-0228	EA	18" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E).....	5,757.03	1,074.95
23 05 16 00-0229	EA	20" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E).....	6,791.23	1,211.52
23 05 16 00-0230	EA	24" x 10" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E).....	8,850.38	1,486.87

23 05 16 00-0231 **Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 800)** (23 05 16 00-0091)
23 05 16 00-0232 **2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802)** (23 05 16 00-0231)

23 05 16 00-0233	EA	1" x 1-3/8" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802).....	543.50	85.86
23 05 16 00-0234	EA	1-1/2" x 1-3/8" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802).....	616.05	92.16
23 05 16 00-0235	EA	2" x 1-5/8" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802).....	826.42	95.36
23 05 16 00-0236	EA	2-1/2" x 2-1/4" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802).....	1,059.83	104.17
23 05 16 00-0237	EA	3" x 2-1/4" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802).....	1,445.02	206.85
23 05 16 00-0238	EA	4" x 2-5/8" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802).....	1,945.21	265.03
23 05 16 00-0239	EA	5" x 3-1/4" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802).....	2,365.00	289.02
23 05 16 00-0240	EA	6" x 2-3/4" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802).....	2,625.44	275.34
23 05 16 00-0241	EA	8" x 4" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802).....	3,615.57	314.66
23 05 16 00-0242	EA	10" x 5-1/4" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802).....	4,682.15	374.25
23 05 16 00-0243	EA	12" x 6" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802).....	6,489.91	468.63

23 05 16 00-0244 **3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803)** (23 05 16 00-0231)

23 05 16 00-0245	EA	1" x 1-3/4" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803).....	603.46	85.86
23 05 16 00-0246	EA	1-1/2" x 2" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803).....	675.99	92.16
23 05 16 00-0247	EA	2" x 2-3/4" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803).....	922.36	95.36
23 05 16 00-0248	EA	2-1/2" x 3-1/4" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803).....	1,191.75	104.17
23 05 16 00-0249	EA	3" x 3-5/8" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803).....	1,588.93	206.85
23 05 16 00-0250	EA	4" x 3-5/8" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803).....	2,161.08	265.03
23 05 16 00-0251	EA	5" x 4" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803).....	2,628.84	289.02
23 05 16 00-0252	EA	6" x 4" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803).....	2,949.25	275.34
23 05 16 00-0253	EA	8" x 6" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803).....	4,059.30	314.66
23 05 16 00-0254	EA	10" x 6" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803).....	5,269.80	374.25
23 05 16 00-0255	EA	12" x 7" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803).....	7,317.41	468.63

23 05 16 00-0256 **5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805)** (23 05 16 00-0231)

23 05 16 00-0257	EA	1" x 3" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805).....	663.42	85.86
23 05 16 00-0258	EA	1-1/2" x 3-1/2" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805).....	843.91	92.16
23 05 16 00-0259	EA	2" x 4" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805).....	1,078.27	95.36
23 05 16 00-0260	EA	2-1/2" x 4" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805).....	1,431.61	104.17
23 05 16 00-0261	EA	3" x 5" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805).....	1,924.73	206.85
23 05 16 00-0262	EA	4" x 5-1/4" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805).....	2,484.89	265.03
23 05 16 00-0263	EA	5" x 6" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805).....	3,264.46	289.02
23 05 16 00-0264	EA	6" x 6" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805).....	3,488.93	275.34
23 05 16 00-0265	EA	8" x 8" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805).....	5,270.57	314.66
23 05 16 00-0266	EA	10" x 8" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805).....	7,008.75	374.25
23 05 16 00-0267	EA	12" x 9" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805).....	8,768.54	468.63

23 05 16 00-0268 **Mercer Rubber, Series 450** (23 05 16 00-0091)
23 05 16 00-0269 **Expansion Joints, 2 Arch (452)** (23 05 16 00-0268)

23 05 16 00-0270	EA	1-1/2" x 12" Expansion Joints, 2 Arch.....	667.02	92.16
23 05 16 00-0271	EA	2" x 12" Expansion Joints, 2 Arch.....	745.47	95.36
23 05 16 00-0272	EA	2-1/2" x 12" Expansion Joints, 2 Arch.....	825.97	104.17
23 05 16 00-0273	EA	3" x 12" Expansion Joints, 2 Arch.....	1,112.22	206.85
23 05 16 00-0274	EA	4" x 12" Expansion Joints, 2 Arch.....	1,276.61	265.03
23 05 16 00-0275	EA	6" x 12" Expansion Joints, 2 Arch.....	1,420.17	275.34
23 05 16 00-0276	EA	8" x 12" Expansion Joints, 2 Arch.....	1,594.78	314.66

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 16 00-0277	EA	10" x 14" Expansion Joints, 2 Arch	2,145.67	374.25
23 05 16 00-0278	EA	12" x 14" Expansion Joints, 2 Arch	2,526.96	468.97
23 05 16 00-0279	EA	14" x 14" Expansion Joints, 2 Arch	2,944.91	475.58
23 05 16 00-0280	EA	16" x 14" Expansion Joints, 2 Arch	3,554.68	593.09
23 05 16 00-0281	EA	18" x 14" Expansion Joints, 2 Arch	3,969.38	672.94
23 05 16 00-0282	EA	20" x 14" Expansion Joints, 2 Arch	4,497.88	757.30
23 05 16 00-0283	EA	24" x 16" Expansion Joints, 2 Arch	5,382.42	929.79
23 05 16 00-0284 Mercer Rubber, Series 502 And 701 (23 05 16 00-0091)				
23 05 16 00-0285 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR) (23 05 16 00-0284)				
Note: Baked enamel, coated ductile iron backup rings.				
23 05 16 00-0286	EA	1-1/2" x 10" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	1,062.08	120.50
23 05 16 00-0287	EA	2" x 10" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	1,126.24	152.64
23 05 16 00-0288	EA	2-1/2" x 10" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	1,203.54	166.51
23 05 16 00-0289	EA	3" x 10" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	1,283.87	211.59
23 05 16 00-0290	EA	4" x 10" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	1,643.24	355.17
23 05 16 00-0291	EA	5" x 10" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	1,941.81	402.14
23 05 16 00-0292	EA	6" x 10" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	2,008.48	397.92
23 05 16 00-0293	EA	8" x 10" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	2,392.30	506.64
23 05 16 00-0294	EA	10" x 12" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	2,809.74	616.77
23 05 16 00-0295	EA	12" x 12" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	3,275.84	468.63
23 05 16 00-0296	EA	14" x 12" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	4,039.62	881.11
23 05 16 00-0297	EA	16" x 12" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	4,701.42	969.21
23 05 16 00-0298	EA	18" x 12" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	5,205.36	1,074.95
23 05 16 00-0299	EA	20" x 12" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	5,903.76	1,211.52
23 05 16 00-0300	EA	24" x 14" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	7,039.47	1,486.87
23 05 16 00-0301	EA	30" x 14" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	10,392.38	2,423.03
23 05 16 00-0302	EA	36" x 14" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	13,033.00	3,230.72
23 05 16 00-0303	EA	42" x 16" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	17,402.79	4,846.08
23 05 16 00-0304	EA	48" x 16" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	20,572.20	6,057.60
23 05 16 00-0305	EA	60" x 16" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	27,933.45	8,722.93
23 05 16 00-0306 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N) (23 05 16 00-0284)				
Note: Butyl 502B, Neoprene 502N. Baked enamel, coated ductile iron backup rings.				
23 05 16 00-0307	EA	1-1/2" x 10" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	1,158.03	120.50
23 05 16 00-0308	EA	2" x 10" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	1,222.18	152.64
23 05 16 00-0309	EA	2-1/2" x 10" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	1,311.48	166.51
23 05 16 00-0310	EA	3" x 10" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	1,391.80	211.59
23 05 16 00-0311	EA	4" x 10" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	1,739.18	355.17
23 05 16 00-0312	EA	5" x 10" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	2,085.72	402.14
23 05 16 00-0313	EA	6" x 10" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	2,128.41	397.92
23 05 16 00-0314	EA	8" x 10" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	2,572.19	506.64
23 05 16 00-0315	EA	10" x 12" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	3,001.62	616.77
23 05 16 00-0316	EA	12" x 12" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	3,479.71	468.63
23 05 16 00-0317	EA	14" x 12" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	4,315.45	881.11
23 05 16 00-0318	EA	16" x 12" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	5,025.23	969.21
23 05 16 00-0319	EA	18" x 12" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	5,565.15	1,074.95
23 05 16 00-0320	EA	20" x 12" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	6,311.52	1,211.52
23 05 16 00-0321	EA	24" x 14" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	7,519.18	1,486.87
23 05 16 00-0322	EA	30" x 14" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	11,099.95	2,423.03
23 05 16 00-0323	EA	36" x 14" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	13,872.50	3,230.72
23 05 16 00-0324	EA	42" x 16" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	18,482.14	4,846.08
23 05 16 00-0325	EA	48" x 16" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	21,819.45	6,057.60
23 05 16 00-0326	EA	60" x 16" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	29,636.42	8,722.93
23 05 16 00-0327 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joints (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN) (23 05 16 00-0284)				
Note: Nitrile 502Ni, Nitrile/Neoprene 502NiN, Ethylene Propylene Diene Monomer (EPDM) 502E, Neoprene/Natural 502NR or Natural/Neoprene 502RN. Baked enamel, coated ductile iron backup rings.				
23 05 16 00-0328	EA	1-1/2" x 10" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	1,194.00	120.50
23 05 16 00-0329	EA	2" x 10" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	1,294.14	152.64
23 05 16 00-0330	EA	2-1/2" x 10" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	1,371.44	166.51
23 05 16 00-0331	EA	3" x 10" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	1,463.76	211.59
23 05 16 00-0332	EA	4" x 10" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	1,835.12	355.17
23 05 16 00-0333	EA	5" x 10" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	2,157.68	402.14

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 16 Expansion Fittings and Loops for HVAC Piping**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT
 UNIT COST
 DEMOLITION
 UNIT COST

23 05 16 00-0334	EA	6" x 10" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	2,248.34	397.92
23 05 16 00-0335	EA	8" x 10" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	2,668.14	506.64
23 05 16 00-0336	EA	10" x 12" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	3,121.55	616.77
23 05 16 00-0337	EA	12" x 12" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	3,623.63	468.63
23 05 16 00-0338	EA	14" x 12" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	4,459.36	881.11
23 05 16 00-0339	EA	16" x 12" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	5,217.12	969.21
23 05 16 00-0340	EA	18" x 12" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	5,781.02	1,074.95
23 05 16 00-0341	EA	20" x 12" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	6,599.35	1,211.52
23 05 16 00-0342	EA	24" x 14" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	7,783.02	1,486.87
23 05 16 00-0343	EA	30" x 14" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	11,135.93	2,423.03
23 05 16 00-0344	EA	36" x 14" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	14,352.21	3,230.72
23 05 16 00-0345	EA	42" x 16" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	19,153.74	4,846.08
23 05 16 00-0346	EA	48" x 16" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	22,563.00	6,057.60
23 05 16 00-0347	EA	60" x 16" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	30,643.82	8,722.93

23 05 16 00-0348 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joints (Mercer 502H, 502HN Or 502NH)

(23 05 16 00-0284)

Note: Hypalon 502H, Hypalon/Neoprene 502HN Or Neoprene/Hypalon 502NH. Baked enamel, coated ductile iron backup rings.

23 05 16 00-0349	EA	1-1/2" x 10" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	1,253.97	120.50
23 05 16 00-0350	EA	2" x 10" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	1,318.12	152.64
23 05 16 00-0351	EA	2-1/2" x 10" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	1,407.42	166.51
23 05 16 00-0352	EA	3" x 10" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	1,523.72	211.59
23 05 16 00-0353	EA	4" x 10" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	1,883.10	355.17
23 05 16 00-0354	EA	5" x 10" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	2,253.62	402.14
23 05 16 00-0355	EA	6" x 10" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	2,344.28	397.92
23 05 16 00-0356	EA	8" x 10" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	2,764.08	506.64
23 05 16 00-0357	EA	10" x 12" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	3,241.48	616.77
23 05 16 00-0358	EA	12" x 12" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	3,791.53	468.63
23 05 16 00-0359	EA	14" x 12" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	4,627.26	881.11
23 05 16 00-0360	EA	16" x 12" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	5,432.99	969.21
23 05 16 00-0361	EA	18" x 12" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	6,020.87	1,074.95
23 05 16 00-0362	EA	20" x 12" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	6,863.19	1,211.52
23 05 16 00-0363	EA	24" x 14" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	8,058.86	1,486.87
23 05 16 00-0364	EA	30" x 14" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	11,927.46	2,423.03
23 05 16 00-0365	EA	36" x 14" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	14,927.86	3,230.72
23 05 16 00-0366	EA	42" x 16" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	19,825.33	4,846.08
23 05 16 00-0367	EA	48" x 16" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	23,138.65	6,057.60
23 05 16 00-0368	EA	60" x 16" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	31,411.36	8,722.93

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 05 16 00-0369 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V) (23 05 16 00-0284)

Note: Baked enamel, coated ductile iron backup rings.

23 05 16 00-0370	EA 1-1/2" x 10" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V).....	1,565.78	120.50
23 05 16 00-0371	EA 2" x 10" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V).....	1,701.89	152.64
23 05 16 00-0372	EA 2-1/2" x 10" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V).....	1,815.18	166.51
23 05 16 00-0373	EA 3" x 10" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V).....	2,411.19	211.59
23 05 16 00-0374	EA 4" x 10" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V).....	3,154.33	355.17
23 05 16 00-0375	EA 5" x 10" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V).....	3,860.65	402.14
23 05 16 00-0376	EA 6" x 10" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V).....	4,191.17	397.92
23 05 16 00-0377	EA 8" x 10" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V).....	5,402.49	506.64
23 05 16 00-0378	EA 10" x 12" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V).....	7,151.13	616.77
23 05 16 00-0379	EA 12" x 12" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V).....	8,180.89	468.63
23 05 16 00-0380	EA 14" x 12" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V).....	9,412.39	881.11
23 05 16 00-0381	EA 16" x 12" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V).....	11,525.33	969.21
23 05 16 00-0382	EA 18" x 12" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V).....	12,784.81	1,074.95
23 05 16 00-0383	EA 20" x 12" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V).....	15,018.29	1,211.52
23 05 16 00-0384	EA 24" x 14" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V).....	19,703.87	1,486.87
23 05 16 00-0385	EA 30" x 14" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V).....	33,010.80	2,423.03
23 05 16 00-0386	EA 36" x 14" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V).....	41,455.94	3,230.72
23 05 16 00-0387	EA 42" x 16" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V).....	54,268.66	4,846.08
23 05 16 00-0388	EA 48" x 16" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V).....	63,458.45	6,057.60
23 05 16 00-0389	EA 60" x 16" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V).....	84,059.75	8,722.93

23 05 16 00-0390 Teflon Lined Expansion Joints (Mercer 701) (23 05 16 00-0284)

Note: Natural rubber, neoprene, butyl, ethylene propylene diene monomer (EPDM) Or nitrile. Includes baked enamel coated ductile iron backer rings. Series 701.

23 05 16 00-0391	EA 1-1/2" Teflon Lined Expansion Joint (Mercer 701).....	1,041.78	92.16
	For Hypalon Tube And Cover, Add	17.15	
	For Viton Tube And Cover, Add	857.49	
23 05 16 00-0392	EA 2" Teflon Lined Expansion Joint (Mercer 701).....	1,216.18	95.36
	For Hypalon Tube And Cover, Add	20.51	
	For Viton Tube And Cover, Add	1,025.38	
23 05 16 00-0393	EA 2-1/2" Teflon Lined Expansion Joint (Mercer 701).....	1,386.59	104.17
	For Hypalon Tube And Cover, Add	23.57	
	For Viton Tube And Cover, Add	1,178.29	
23 05 16 00-0394	EA 3" Teflon Lined Expansion Joint (Mercer 701).....	1,721.03	206.85
	For Hypalon Tube And Cover, Add	26.14	
	For Viton Tube And Cover, Add	1,307.22	
23 05 16 00-0395	EA 4" Teflon Lined Expansion Joint (Mercer 701).....	2,113.38	265.15
	For Hypalon Tube And Cover, Add	31.66	
	For Viton Tube And Cover, Add	1,583.05	
23 05 16 00-0396	EA 5" Teflon Lined Expansion Joint (Mercer 701).....	2,511.48	288.77
	For Hypalon Tube And Cover, Add	38.68	
	For Viton Tube And Cover, Add	1,933.84	
23 05 16 00-0397	EA 6" Teflon Lined Expansion Joint (Mercer 701).....	2,643.43	275.34
	For Hypalon Tube And Cover, Add	41.85	
	For Viton Tube And Cover, Add	2,092.74	
23 05 16 00-0398	EA 8" Teflon Lined Expansion Joint (Mercer 701).....	3,171.32	314.45
	For Hypalon Tube And Cover, Add	50.85	
	For Viton Tube And Cover, Add	2,542.47	
23 05 16 00-0399	EA 10" Teflon Lined Expansion Joint (Mercer 701).....	3,995.56	374.25
	For Hypalon Tube And Cover, Add	64.94	
	For Viton Tube And Cover, Add	3,247.05	
23 05 16 00-0400	EA 12" Teflon Lined Expansion Joint (Mercer 701).....	5,108.41	468.97
	For Hypalon Tube And Cover, Add	83.41	
	For Viton Tube And Cover, Add	4,170.50	
23 05 16 00-0401	EA 14" Teflon Lined Expansion Joint (Mercer 701).....	5,736.94	475.91
	For Hypalon Tube And Cover, Add	95.70	
	For Viton Tube And Cover, Add	4,785.13	
23 05 16 00-0402	EA 16" Teflon Lined Expansion Joint (Mercer 701).....	7,122.54	593.09
	For Hypalon Tube And Cover, Add	118.73	
	For Viton Tube And Cover, Add	5,936.44	
23 05 16 00-0403	EA 18" Teflon Lined Expansion Joint (Mercer 701).....	7,934.89	673.94
	For Hypalon Tube And Cover, Add	131.74	
	For Viton Tube And Cover, Add	6,587.05	
23 05 16 00-0404	EA 20" Teflon Lined Expansion Joint (Mercer 701).....	9,286.03	755.87
	For Hypalon Tube And Cover, Add	155.49	
	For Viton Tube And Cover, Add	7,774.33	
23 05 16 00-0405	EA 24" Teflon Lined Expansion Joint (Mercer 701).....	12,134.07	931.11
	For Hypalon Tube And Cover, Add	205.44	
	For Viton Tube And Cover, Add	10,271.83	

23 05 16 00-0406 Accessories For Mercer Rubber, Series 451 And 501 (23 05 16 00-0091)

23 05 16 00-0407 Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints (23 05 16 00-0406)

23 05 16 00-0408	EA 1-1/2" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints.....	45.57	
23 05 16 00-0409	EA 2" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints.....	57.57	
23 05 16 00-0410	EA 2-1/2" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints.....	64.76	
23 05 16 00-0411	EA 3" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints.....	69.56	
23 05 16 00-0412	EA 4" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints.....	103.14	
23 05 16 00-0413	EA 5" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints.....	127.12	
23 05 16 00-0414	EA 6" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints.....	139.12	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 16 Expansion Fittings and Loops for HVAC Piping**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 05 16 00-0415	EA	8" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	153.51	
23 05 16 00-0416	EA	10" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	196.68	
23 05 16 00-0417	EA	12" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	232.66	
23 05 16 00-0418	EA	14" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	311.81	
23 05 16 00-0419	EA	16" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	335.80	
23 05 16 00-0420	EA	18" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	359.78	
23 05 16 00-0421	EA	20" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	395.76	
23 05 16 00-0422	EA	24" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	491.70	
23 05 16 00-0423	EA	30" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	611.63	
23 05 16 00-0424	EA	36" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	743.55	
23 05 16 00-0425	EA	42" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	1,055.37	
23 05 16 00-0426	EA	48" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	1,259.24	

23 05 16 00-0427 Control Rods For Mercer 451 And 501 Expansion Joints (23 05 16 00-0406)

23 05 16 00-0428	SET	1-1/2" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 2	233.55	
23 05 16 00-0429	SET	2" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 2	295.37	
23 05 16 00-0430	SET	2-1/2" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 2	343.46	
23 05 16 00-0431	SET	3" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 2	412.15	
23 05 16 00-0432	SET	4" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 2	412.15	
23 05 16 00-0433	SET	5" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 2	446.49	
23 05 16 00-0434	SET	6" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 2	515.18	
23 05 16 00-0435	SET	8" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 2	755.60	
23 05 16 00-0436	SET	10" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 3	1,476.86	
23 05 16 00-0437	SET	12" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 3	2,026.39	
23 05 16 00-0438	SET	14" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 4	3,022.41	
23 05 16 00-0439	SET	16" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 4	3,400.21	
23 05 16 00-0440	SET	18" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 5	4,533.62	
23 05 16 00-0441	SET	20" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 5	4,842.73	
23 05 16 00-0442	SET	24" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 5	5,460.95	
23 05 16 00-0443	SET	30" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 5	8,002.52	
23 05 16 00-0444	SET	36" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 5	11,780.54	
23 05 16 00-0445	SET	42" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 3	7,968.18	
23 05 16 00-0446	SET	48" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 4	10,475.41	
23 05 16 00-0447	SET	60" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 4	16,348.51	

23 05 17 Sleeves and Sleeve Seals for HVAC Piping (23 05)**23 05 17 00-0001 Wall Seals And Sleeves (23 05 17)**
Note: Up to 12" walls. Excludes drilling hole.**23 05 17 00-0002 Ductile Iron Wall Sleeve (23 05 17 00-0001)**
Note: Includes rubber gasket seal.

23 05 17 00-0003	EA	3" Ductile Iron Wall Sleeve With Rubber Gasket Seal	178.46	54.46
23 05 17 00-0004	EA	4" Ductile Iron Wall Sleeve With Rubber Gasket Seal	232.86	63.61
23 05 17 00-0005	EA	6" Ductile Iron Wall Sleeve With Rubber Gasket Seal	289.63	76.32
23 05 17 00-0006	EA	8" Ductile Iron Wall Sleeve With Rubber Gasket Seal	390.15	114.42
23 05 17 00-0007	EA	10" Ductile Iron Wall Sleeve With Rubber Gasket Seal	483.05	152.52
23 05 17 00-0008	EA	12" Ductile Iron Wall Sleeve With Rubber Gasket Seal	586.42	190.74

23 05 17 00-0009 Steel Pipe Sleeves (23 05 17 00-0001)
Note: Includes link seals 12" length.

23 05 17 00-0010	EA	2" Steel Pipe Sleeve With Link Seals	164.98	55.29
23 05 17 00-0011	EA	2-1/2" Steel Pipe Sleeve With Link Seals	208.38	59.94
23 05 17 00-0012	EA	3" Steel Pipe Sleeve With Link Seals	249.06	64.58
23 05 17 00-0013	EA	4" Steel Pipe Sleeve With Link Seals	311.72	77.48
23 05 17 00-0014	EA	6" Steel Pipe Sleeve With Link Seals	462.10	96.76
23 05 17 00-0015	EA	10" Steel Pipe Sleeve With Link Seals	1,058.92	116.16
23 05 17 00-0016	EA	13-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals	1,277.35	145.20
23 05 17 00-0017	EA	17-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals	1,752.01	178.65
23 05 17 00-0018	EA	23-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals	2,482.10	232.32
23 05 17 00-0019	EA	29-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals	3,659.20	290.40

23 05 19 Meters and Gages for HVAC Piping (23 05)

See CSI section 33 19 00 00-0000 for water utility service metering.

23 05 19 00-0001 Thermometers (23 05 19)**23 05 19 00-0002 Dial Type, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometers (23 05 19 00-0001)**
Note: Various ranges.

23 05 19 00-0003	EA	2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer	116.09	39.78
23 05 19 00-0004	EA	2-1/2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer	134.45	39.78
23 05 19 00-0005	EA	3-1/2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer	134.45	39.78

23 05 19 00-0006 Liquid Filled Industrial Union Connection Type Thermometers (23 05 19 00-0001)
Note: Various ranges.

23 05 19 00-0007	EA	7" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer	152.81	39.78
23 05 19 00-0008	EA	9" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer	152.81	39.78
23 05 19 00-0009	EA	12" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer	191.21	39.78
23 05 19 00-0010	EA	7" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer	157.82	39.78
23 05 19 00-0011	EA	9" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer	166.17	39.78

MINOR		CSI UOM DESCRIPTION		TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
23 05 19 00-0012	EA	12" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer		196.22	39.78
23 05 19 00-0013	Liquid Filled Industrial Separable Socket Type Thermometers (23 05 19 00-0001) Note: Various ranges. Socket connection for thermowell.				
23 05 19 00-0014	EA	7" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer		152.81	39.78
23 05 19 00-0015	EA	9" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer		152.81	39.78
23 05 19 00-0016	EA	12" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer		191.21	39.78
23 05 19 00-0017	EA	7" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer		174.52	39.78
23 05 19 00-0018	EA	9" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer		191.21	39.78
23 05 19 00-0019	EA	12" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer		195.47	39.78
23 05 19 00-0020	1" NPT, 304 Stainless Steel Thermowells (23 05 19 00-0001)				
23 05 19 00-0021	EA	4" Long, 1" NPT, 304 Stainless Steel Thermowell		199.01	74.58
23 05 19 00-0022	EA	8" Long, 1" NPT, 304 Stainless Steel Thermowell		198.92	74.58
23 05 19 00-0023	Pressure Gauges (23 05 19)				
23 05 19 00-0024	Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges (23 05 19 00-0023)				
23 05 19 00-0025	EA	2" Diameter Dial, Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge		41.76	15.53
23 05 19 00-0026	EA	4" Diameter Dial, Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge		51.61	15.53
23 05 19 00-0027	Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges (23 05 19 00-0023)				
23 05 19 00-0028	EA	3-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge		319.67	15.53
23 05 19 00-0029	EA	4-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge		319.67	15.53
23 05 19 00-0030	EA	6" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge		417.68	15.53
23 05 19 00-0031	EA	8-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge		994.85	15.53
23 05 19 00-0032	Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges (23 05 19 00-0023) Note: Liquid filled.				
23 05 19 00-0033	EA	2-1/2" Diameter Dial, Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge		152.07	15.53
23 05 19 00-0034	EA	4" Diameter Dial, Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge		345.55	15.53
23 05 19 00-0035	Steel Case, 0 To 10K PSI High Pressure, Pressure Gauges (23 05 19 00-0023)				
23 05 19 00-0036	EA	4-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge		329.91	15.53
23 05 19 00-0037	EA	6-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge		329.91	15.53
23 05 19 00-0038	EA	8-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge		329.91	15.53
23 05 19 00-0039	Gauge Accessories (23 05 19 00-0023)				
23 05 19 00-0040	EA	Pete's Plug (Valve Cock For Removable Pressure Gauge Or Thermometer)		96.37	12.43
23 05 19 00-0041	EA	1/4" Snubber Valve		59.41	12.43
23 05 19 00-0042	EA	1/4" Female Pipe Thread, Brass Gauge Cock		37.39	18.65
23 05 19 00-0043	EA	1/4" Male Pipe Thread, Brass Gauge Cock		32.24	18.65
23 05 19 00-0044	EA	1/4" Pressure Pigtail Steam Siphon		48.17	18.65
23 05 19 00-0045	EA	1/4" x 3" Long Black Steel Nipple		9.06	6.21
23 05 19 00-0046	EA	1/4" Steel Thread-O-Let		70.99	31.08
23 05 19 00-0047	EA	1/4", 300 Lb., Black Steel Union		72.67	12.43
23 05 19 00-0048	EA	1/4" Black Steel Coupling		26.63	12.43
23 05 19 00-0049	EA	1/4", 300 Lb., Black Steel Plug		15.33	7.46
23 05 19 00-0050	EA	1/4", 150 Lb., Black Steel Cap		15.92	7.46
23 05 19 00-0051	LF	1/4" Schedule 40, Threaded And Coupled, Black Steel Pipe		11.14	4.10
23 05 19 00-0052	LF	1/4" Schedule 80, Plain End, Black Steel Pipe		11.15	4.10
23 05 19 00-0053	LF	1/4" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe		10.29	
23 05 19 00-0054	EA	1/4" Threaded, 800 Lb., Forged Steel, Ball Valve		118.03	
23 05 19 00-0055	Valve Lock Covers (23 05 19)				
23 05 19 00-0056	EA	Valve Lock Cover		91.80	19.02
23 05 19 00-0057	Sight Flow Indicator (23 05 19)				
23 05 19 00-0058	Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (23 05 19 00-0057)				
23 05 19 00-0059	EA	1/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)		178.86	18.10
23 05 19 00-0060	EA	3/8" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)		186.81	19.04
23 05 19 00-0061	EA	1/2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)		202.12	20.01
23 05 19 00-0062	EA	3/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)		225.72	26.96
23 05 19 00-0063	EA	1" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)		269.75	32.68
23 05 19 00-0064	EA	1-1/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)		305.32	41.38
23 05 19 00-0065	EA	1-1/2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)		434.15	47.84

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 19 Meters and Gages for HVAC Piping**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 05 19 00-0066	EA	2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100).....	480.55	56.54
23 05 19 00-0067		Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (23 05 19 00-0057)		
23 05 19 00-0068	EA	1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	233.27	18.10
23 05 19 00-0069	EA	3/8" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	240.01	19.04
23 05 19 00-0070	EA	1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	258.95	20.01
23 05 19 00-0071	EA	3/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	274.09	26.96
23 05 19 00-0072	EA	1" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	290.30	32.68
23 05 19 00-0073	EA	1-1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	313.79	41.38
23 05 19 00-0074	EA	1-1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	598.60	47.84
23 05 19 00-0075	EA	2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	640.16	56.54
23 05 19 00-0076		Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (23 05 19 00-0057)		
23 05 19 00-0077	EA	1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS).....	338.47	18.10
23 05 19 00-0078	EA	3/8" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS).....	357.30	19.04
23 05 19 00-0079	EA	1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS).....	388.33	20.01
23 05 19 00-0080	EA	3/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS).....	421.60	26.96
23 05 19 00-0081	EA	1" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS).....	483.77	32.68
23 05 19 00-0082	EA	1-1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS).....	510.88	41.38
23 05 19 00-0083	EA	1-1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS).....	1,033.89	47.84
23 05 19 00-0084	EA	2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS).....	1,087.54	56.54
23 05 19 00-0085		Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicators (23 05 19 00-0057)		
23 05 19 00-0086	EA	1/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360).....	229.64	18.10
23 05 19 00-0087	EA	3/8" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360).....	238.80	19.04
23 05 19 00-0088	EA	1/2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360).....	252.90	20.01
23 05 19 00-0089	EA	3/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360).....	272.88	26.96
23 05 19 00-0090	EA	1" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360).....	289.09	32.68
23 05 19 00-0091	EA	1-1/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360).....	313.79	41.38
23 05 19 00-0092	EA	1-1/2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360).....	591.34	47.84
23 05 19 00-0093	EA	2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360).....	630.49	56.54
23 05 19 00-0094		Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicators (23 05 19 00-0057)		
23 05 19 00-0095	EA	1/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS).....	336.05	18.10
23 05 19 00-0096	EA	3/8" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS).....	362.13	19.04
23 05 19 00-0097	EA	1/2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS).....	395.58	20.01
23 05 19 00-0098	EA	3/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS).....	421.60	26.96
23 05 19 00-0099	EA	1" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS).....	483.77	32.68
23 05 19 00-0100	EA	1-1/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS).....	515.72	41.38
23 05 19 00-0101	EA	1-1/2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS).....	1,033.89	47.84
23 05 19 00-0102	EA	2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS).....	1,087.54	56.54
23 05 19 00-0103		Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicators (23 05 19 00-0057)		
23 05 19 00-0104	EA	1" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400).....	493.44	32.68
23 05 19 00-0105	EA	1-1/4" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400).....	554.41	41.38
23 05 19 00-0106	EA	1-1/2" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400).....	630.03	47.84
23 05 19 00-0107	EA	2" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400).....	707.87	56.54
23 05 19 00-0108		Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicators (23 05 19 00-0057)		
23 05 19 00-0109	EA	1-1/2" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS).....	1,085.48	130.47
23 05 19 00-0110	EA	2" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS).....	1,211.30	165.65
23 05 19 00-0111	EA	3" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS).....	1,786.93	194.52
23 05 19 00-0112	EA	4" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS).....	2,694.55	326.09
23 05 19 00-0113	EA	6" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS).....	4,360.10	386.91

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 05 19 00-0114 Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicators (23 05 19 00-0057)

23 05 19 00-0115	EA 1" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	833.05	93.19
23 05 19 00-0116	EA 1-1/4" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	983.89	108.73
23 05 19 00-0117	EA 1-1/2" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	1,060.69	130.47
23 05 19 00-0118	EA 2" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	1,329.19	165.65
23 05 19 00-0119	EA 3" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	1,931.42	194.52
23 05 19 00-0120	EA 4" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	2,851.13	326.09

23 05 19 00-0121 Venturi Flowmeters (23 05 19)

23 05 19 00-0122 Threaded, Brass, Venturi Flowmeters (23 05 19 00-0121)

23 05 19 00-0123	EA 3/4" Threaded, Brass, Venturi Flowmeter	320.00	84.53
	For Portable Venturi Flow Meter, Add	995.00	
23 05 19 00-0124	EA 1" Threaded, Brass, Venturi Flowmeter	353.64	101.43
	For Portable Venturi Flow Meter, Add	995.00	
23 05 19 00-0125	EA 1-1/4" Threaded, Brass, Venturi Flowmeter	390.06	112.75
	For Portable Venturi Flow Meter, Add	995.00	
23 05 19 00-0126	EA 1-1/2" Threaded, Brass, Venturi Flowmeter	439.63	126.80
	For Portable Venturi Flow Meter, Add	995.00	
23 05 19 00-0127	EA 2" Threaded, Brass, Venturi Flowmeter	523.20	144.95
	For Portable Venturi Flow Meter, Add	995.00	
23 05 19 00-0128	EA 2-1/2" Threaded, Brass, Venturi Flowmeter	708.83	194.73
	For Portable Venturi Flow Meter, Add	995.00	

23 05 19 00-0129 Butt Weld, Carbon Steel, Venturi Flowmeters (23 05 19 00-0121)

23 05 19 00-0130	EA 3" Butt Weld, Carbon Steel, Venturi Flowmeter	2,419.39	174.24
	For Flanged Ends, Add	724.82	
	For Portable Venturi Flow Meter, Add	995.00	
23 05 19 00-0131	EA 4" Butt Weld, Carbon Steel, Venturi Flowmeter	3,386.48	209.08
	For Flanged Ends, Add	1,038.91	
	For Portable Venturi Flow Meter, Add	995.00	
23 05 19 00-0132	EA 5" Butt Weld, Carbon Steel, Venturi Flowmeter	4,457.45	261.36
	For Flanged Ends, Add	1,377.16	
	For Portable Venturi Flow Meter, Add	995.00	
23 05 19 00-0133	EA 6" Butt Weld, Carbon Steel, Venturi Flowmeter	5,252.97	348.48
	For Flanged Ends, Add	1,594.60	
	For Portable Venturi Flow Meter, Add	995.00	
23 05 19 00-0134	EA 8" Butt Weld, Carbon Steel, Venturi Flowmeter	7,808.42	418.17
	For Flanged Ends, Add	2,440.22	
	For Portable Venturi Flow Meter, Add	995.00	
23 05 19 00-0135	EA 10" Butt Weld, Carbon Steel, Venturi Flowmeter	12,987.69	522.72
	For Flanged Ends, Add	4,179.79	
	For Portable Venturi Flow Meter, Add	995.00	
23 05 19 00-0136	EA 12" Butt Weld, Carbon Steel, Venturi Flowmeter	19,530.87	722.45
	For Flanged Ends, Add	6,330.09	
	For Portable Venturi Flow Meter, Add	995.00	
23 05 19 00-0137	EA 14" Butt Weld, Carbon Steel, Venturi Flowmeter	27,294.43	1,083.68
	For Flanged Ends, Add	8,794.47	
	For Portable Venturi Flow Meter, Add	995.00	
23 05 19 00-0138	EA 16" Butt Weld, Carbon Steel, Venturi Flowmeter	41,410.35	1,204.09
	For Flanged Ends, Add	13,650.76	
	For Portable Venturi Flow Meter, Add	995.00	

23 05 19 00-0139 Turbine Flowmeter (23 05 19)

23 05 19 00-0140	EA Saddle Mount Turbine Flowmeter	1,751.88	93.23
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23 05 19 00-0141 Water Flow Switches (23 05 19)

23 05 19 00-0142	EA Flexible Paddle, Single Switch, Brass Body, Water Flow Switch (Taco IFS01BF-1)	305.40	36.63
23 05 19 00-0143	EA Rigid Paddle, Single Switch, Brass Body, Water Flow Switch (Taco IFS01BR-1)	316.46	36.63
23 05 19 00-0144	EA Flexible Paddle, Double Switch, Brass Body, Water Flow Switch (Taco IFS02BF-1)	409.85	36.63
23 05 19 00-0145	EA Rigid Paddle, Double Switch, Brass Body, Water Flow Switch (Taco IFS02BR-1)	423.99	36.63
23 05 19 00-0146	EA Flexible Paddle, High Current Single Switch, Brass Body, Water Flow Switch (Taco IFSH1BF-1)	330.60	36.63
23 05 19 00-0147	EA Rigid Paddle, High Current Single Switch, Brass Body, Water Flow Switch (Taco IFSH1BR-1)	343.49	36.63
23 05 19 00-0148	EA Flexible Paddle, High Current Double Switch, Brass Body, Water Flow Switch (Taco IFSH2BF-1)	435.05	36.63
23 05 19 00-0149	EA Rigid Paddle, High Current Double Switch, Brass Body, Water Flow Switch (Taco IFSH2BR-1)	447.95	36.63
23 05 19 00-0150	EA Flexible Paddle, Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS01SF-1)	863.26	36.63
23 05 19 00-0151	EA Rigid Paddle, Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS01SR-1)	875.75	36.63
23 05 19 00-0152	EA Flexible Paddle, Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS02SF-1)	994.47	36.63
23 05 19 00-0153	EA Rigid Paddle, Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS02SR-1)	1,011.66	36.63
23 05 19 00-0154	EA Flexible Paddle, High Current Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH1SF-1)	892.94	36.63
23 05 19 00-0155	EA Rigid Paddle, High Current Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH1SR-1)	910.12	36.63
23 05 19 00-0156	EA Flexible Paddle, High Current Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH2SF-1)	1,024.15	36.63
23 05 19 00-0157	EA Rigid Paddle, High Current Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH2SR-1)	1,042.90	36.63

23 05 23 General-Duty Valves For HVAC Piping (23 05)

Note: Flanged valves exclude bolt and gasket sets. See CSI section 22 05 23 00-0000 for additional valves, 23 21 13 23-0713 for bolt and gasket sets.

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 05 23 00-0001	Gate Valves (23 05 23)		
23 05 23 00-0002	Class 125 Threaded, Bronze Gate Valves (23 05 23 00-0001)		
	Note: 125 psi steam, basic rating. 200 psi cold working pressure.		
23 05 23 00-0003	EA 1/4" Diameter, 125 Lb., Threaded Bronze Gate Valve.....	68.16	12.43
	For 250 Lb. Rating, Add	8.00	
	For 150 Lb. Rating, Add	3.20	
	For 300 Lb. Rating, Add	11.19	
	For Work In Restricted Working Space, Add	10.85	
	For 200 Lb. Rating, Add	4.80	
23 05 23 00-0004	EA 3/8" Diameter, 125 Lb., Threaded Bronze Gate Valve.....	70.06	12.43
	For 250 Lb. Rating, Add	8.00	
	For 150 Lb. Rating, Add	3.20	
	For 300 Lb. Rating, Add	11.19	
	For Work In Restricted Working Space, Add	11.42	
	For 200 Lb. Rating, Add	4.80	
23 05 23 00-0005	EA 1/2" Diameter, 125 Lb., Threaded Bronze Gate Valve.....	72.07	12.43
	For 250 Lb. Rating, Add	8.00	
	For 150 Lb. Rating, Add	3.20	
	For 300 Lb. Rating, Add	11.19	
	For Work In Restricted Working Space, Add	12.03	
	For 200 Lb. Rating, Add	4.80	
23 05 23 00-0006	EA 3/4" Diameter, 125 Lb., Threaded Bronze Gate Valve.....	92.18	13.67
	For 250 Lb. Rating, Add	9.54	
	For 150 Lb. Rating, Add	3.82	
	For 300 Lb. Rating, Add	13.36	
	For Work In Restricted Working Space, Add	16.21	
	For 200 Lb. Rating, Add	5.72	
23 05 23 00-0007	EA 1" Diameter, 125 Lb., Threaded Bronze Gate Valve.....	123.05	15.53
	For 250 Lb. Rating, Add	14.41	
	For 150 Lb. Rating, Add	5.77	
	For 300 Lb. Rating, Add	20.18	
	For Work In Restricted Working Space, Add	19.62	
	For 200 Lb. Rating, Add	8.65	
23 05 23 00-0008	EA 1-1/4" Diameter, 125 Lb., Threaded Bronze Gate Valve.....	160.57	16.53
	For 250 Lb. Rating, Add	19.43	
	For 150 Lb. Rating, Add	7.77	
	For 300 Lb. Rating, Add	27.21	
	For Work In Restricted Working Space, Add	24.85	
	For 200 Lb. Rating, Add	11.66	
23 05 23 00-0009	EA 1-1/2" Diameter, 125 Lb., Threaded Bronze Gate Valve.....	193.54	19.13
	For 250 Lb. Rating, Add	24.49	
	For 150 Lb. Rating, Add	9.80	
	For 300 Lb. Rating, Add	34.28	
	For Work In Restricted Working Space, Add	28.68	
	For 200 Lb. Rating, Add	14.69	
23 05 23 00-0010	EA 2" Diameter, 125 Lb., Threaded Bronze Gate Valve.....	246.80	22.61
	For 250 Lb. Rating, Add	33.46	
	For 150 Lb. Rating, Add	13.38	
	For 300 Lb. Rating, Add	46.84	
	For Work In Restricted Working Space, Add	33.89	
	For 200 Lb. Rating, Add	20.07	
23 05 23 00-0011	EA 2-1/2" Diameter, 125 Lb., Threaded Bronze Gate Valve.....	534.24	30.55
	For Chain Operated Type, Add	171.76	
	For 250 Lb. Rating, Add	95.42	
	For 150 Lb. Rating, Add	38.17	
	For 300 Lb. Rating, Add	133.59	
	For Work In Restricted Working Space, Add	45.77	
	For 200 Lb. Rating, Add	57.25	
23 05 23 00-0012	EA 3" Diameter, 125 Lb., Threaded Bronze Gate Valve.....	632.28	35.47
	For Chain Operated Type, Add	205.31	
	For 250 Lb. Rating, Add	114.06	
	For 150 Lb. Rating, Add	45.63	
	For 300 Lb. Rating, Add	159.69	
	For Work In Restricted Working Space, Add	52.81	
	For 200 Lb. Rating, Add	68.44	
23 05 23 00-0013	EA 4" Diameter, 125 Lb., Threaded Bronze Gate Valve.....	1,287.15	40.04
	For Chain Operated Type, Add	489.11	
	For 250 Lb. Rating, Add	271.73	
	For 150 Lb. Rating, Add	108.69	
	For 300 Lb. Rating, Add	380.42	
	For Work In Restricted Working Space, Add	60.07	
	For 200 Lb. Rating, Add	163.04	
23 05 23 00-0014	Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valves (23 05 23 00-0001)		
	Note: 125 psi steam, basic rating. 200 psi cold working pressure.		
23 05 23 00-0015	EA 1-1/2" Diameter, Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve.....	284.50	19.13
	For Chain Operated Type, Add	66.12	
	For 150 Lb. Rating, Add	37.78	
	For Work In Restricted Working Space, Add	28.68	
	For 250 Lb. Rating, Add	66.12	
23 05 23 00-0016	EA 2" Diameter, Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve.....	432.19	22.61
	For Chain Operated Type, Add	111.73	
	For 150 Lb. Rating, Add	63.84	
	For Work In Restricted Working Space, Add	33.89	
	For 250 Lb. Rating, Add	111.73	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0017	EA	2-1/2" Diameter, Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve.....	632.66	30.55
		For Chain Operated Type, Add	168.04	
		For 150 Lb. Rating, Add	96.02	
		For Work In Restricted Working Space, Add	45.77	
		For 250 Lb. Rating, Add	168.04	
23 05 23 00-0018	EA	3" Diameter, Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	805.95	35.47
		For Chain Operated Type, Add	220.47	
		For 150 Lb. Rating, Add	125.98	
		For Work In Restricted Working Space, Add	52.81	
		For 250 Lb. Rating, Add	220.47	
23 05 23 00-0019	EA	4" Diameter, Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	1,895.92	40.04
		For Chain Operated Type, Add	593.49	
		For 150 Lb. Rating, Add	339.14	
		For Work In Restricted Working Space, Add	60.07	
		For 250 Lb. Rating, Add	593.49	
23 05 23 00-0020 Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valves				
(23 05 23 00-0001)				
Note: 125 psi steam, basic rating. 200 psi cold working pressure.				
23 05 23 00-0021	EA	1-1/2" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	681.74	130.47
		For 250 Lb. Rating, Add	259.12	
		For 150 Lb. Rating, Add	150.29	
		For Chain Operated Type, Add	259.12	
		For 300 Lb. Rating, ASTM A182, Add	599.99	
		For Work In Restricted Working Space, Add	49.05	
23 05 23 00-0022	EA	2" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	749.10	165.65
		For 250 Lb. Rating, Add	271.00	
		For 150 Lb. Rating, Add	157.18	
		For Chain Operated Type, Add	271.00	
		For 300 Lb. Rating, ASTM A182, Add	645.55	
		For Work In Restricted Working Space, Add	62.13	
23 05 23 00-0023	EA	2-1/2" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	858.33	165.91
		For 250 Lb. Rating, Add	325.15	
		For 150 Lb. Rating, Add	188.58	
		For Chain Operated Type, Add	325.15	
		For 300 Lb. Rating, ASTM A182, Add	754.31	
		For Work In Restricted Working Space, Add	62.41	
23 05 23 00-0024	EA	3" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,056.27	194.52
		For 250 Lb. Rating, Add	406.41	
		For 150 Lb. Rating, Add	235.72	
		For Chain Operated Type, Add	406.41	
		For 300 Lb. Rating, ASTM A182, Add	934.55	
		For Work In Restricted Working Space, Add	73.04	
23 05 23 00-0025	EA	4" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,492.47	326.09
		For 250 Lb. Rating, Add	541.91	
		For 150 Lb. Rating, Add	314.31	
		For Chain Operated Type, Add	541.91	
		For 300 Lb. Rating, ASTM A182, Add	1,288.15	
		For Work In Restricted Working Space, Add	122.60	
23 05 23 00-0026	EA	5" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,843.45	348.22
		For 250 Lb. Rating, Add	704.42	
		For 150 Lb. Rating, Add	408.56	
		For Chain Operated Type, Add	704.42	
		For 300 Lb. Rating, ASTM A182, Add	1,626.15	
		For Work In Restricted Working Space, Add	130.38	
23 05 23 00-0027	EA	6" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	2,219.15	386.91
		For 250 Lb. Rating, Add	866.89	
		For 150 Lb. Rating, Add	502.79	
		For Chain Operated Type, Add	866.89	
		For 300 Lb. Rating, ASTM A182, Add	1,976.46	
		For Work In Restricted Working Space, Add	145.61	
23 05 23 00-0028	EA	8" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	3,486.14	494.39
		For 250 Lb. Rating, Add	1,436.00	
		For 150 Lb. Rating, Add	832.88	
		For Chain Operated Type, Add	1,436.00	
		For 300 Lb. Rating, ASTM A182, Add	3,179.07	
		For Work In Restricted Working Space, Add	184.24	
23 05 23 00-0029	EA	10" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	4,545.26	601.86
		For 250 Lb. Rating, Add	1,896.47	
		For 150 Lb. Rating, Add	1,099.95	
		For Chain Operated Type, Add	1,896.47	
		For 300 Lb. Rating, ASTM A182, Add	4,169.10	
		For Work In Restricted Working Space, Add	225.70	
23 05 23 00-0030	EA	12" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	6,330.67	730.82
		For 250 Lb. Rating, Add	2,709.38	
		For 150 Lb. Rating, Add	1,571.44	
		For Chain Operated Type, Add	2,709.38	
		For 300 Lb. Rating, ASTM A182, Add	5,874.72	
		For Work In Restricted Working Space, Add	273.57	
23 05 23 00-0031 Class 125 Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valves				
(23 05 23 00-0001)				
Note: 125 psi steam, basic rating. 200 psi cold working pressure.				
23 05 23 00-0032	EA	1-1/2" Diameter, 125 Lb. Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve.....	558.67	19.13
		For 175 Lb. Rating, Add	231.54	
		For 250 Lb. Rating, Add	347.31	
		For Work In Restricted Working Space, Add	28.68	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 05 23 00-0033	EA	2" Diameter, 125 Lb. Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	711.61	22.61
		For 175 Lb. Rating, Add	299.32	
		For 250 Lb. Rating, Add	448.98	
		For Work In Restricted Working Space, Add	33.89	
23 05 23 00-0034	EA	2-1/2" Diameter, 125 Lb. Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	827.60	30.55
		For 175 Lb. Rating, Add	337.52	
		For 250 Lb. Rating, Add	506.28	
		For Work In Restricted Working Space, Add	45.77	
23 05 23 00-0035	EA	3" Diameter, 125 Lb. Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	920.87	35.47
		For 175 Lb. Rating, Add	372.42	
		For 250 Lb. Rating, Add	558.63	
		For Work In Restricted Working Space, Add	52.81	
23 05 23 00-0036	EA	4" Diameter, 125 Lb. Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	1,228.76	40.04
		For 175 Lb. Rating, Add	514.26	
		For 250 Lb. Rating, Add	771.39	
		For Work In Restricted Working Space, Add	60.07	

23 05 23 00-0037 Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valves

(23 05 23 00-0001)

Note: 125 psi steam, basic rating. 200 psi cold working pressure for up to 12". 100 psi steam, basic rating. 150 psi cold working pressure for >12" to 24". 50 psi steam, basic rating. 150 psi cold working pressure for >24".

23 05 23 00-0038	EA	1-1/2" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	910.58	130.47
		For 175 Lb. Rating, Add	231.59	
		For Chain Operated Type, Add	373.54	
		For 250 Lb. Rating, Add	485.60	
		For Work In Restricted Working Space, Add	49.05	
		For 150 Lb. Rating, Add	112.06	
23 05 23 00-0039	EA	2" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	976.37	165.65
		For 175 Lb. Rating, Add	238.47	
		For Chain Operated Type, Add	384.64	
		For 250 Lb. Rating, Add	500.03	
		For Work In Restricted Working Space, Add	62.13	
		For 150 Lb. Rating, Add	115.39	
23 05 23 00-0040	EA	2-1/2" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,002.42	165.91
		For 175 Lb. Rating, Add	246.26	
		For Chain Operated Type, Add	397.19	
		For 250 Lb. Rating, Add	516.35	
		For Work In Restricted Working Space, Add	62.41	
		For 150 Lb. Rating, Add	119.16	
23 05 23 00-0041	EA	3" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,117.48	194.52
		For 175 Lb. Rating, Add	270.95	
		For Chain Operated Type, Add	437.02	
		For 250 Lb. Rating, Add	568.12	
		For Work In Restricted Working Space, Add	73.04	
		For 150 Lb. Rating, Add	131.10	
23 05 23 00-0042	EA	4" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,468.62	326.09
		For 175 Lb. Rating, Add	328.59	
		For Chain Operated Type, Add	529.99	
		For 250 Lb. Rating, Add	688.98	
		For Work In Restricted Working Space, Add	122.60	
		For 150 Lb. Rating, Add	159.00	
23 05 23 00-0043	EA	5" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,913.50	348.22
		For 175 Lb. Rating, Add	458.46	
		For Chain Operated Type, Add	739.45	
		For 250 Lb. Rating, Add	961.28	
		For Work In Restricted Working Space, Add	130.38	
		For 150 Lb. Rating, Add	221.83	
23 05 23 00-0044	EA	6" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	2,174.33	386.91
		For 175 Lb. Rating, Add	523.57	
		For Chain Operated Type, Add	844.48	
		For 250 Lb. Rating, Add	1,097.82	
		For Work In Restricted Working Space, Add	145.61	
		For 150 Lb. Rating, Add	253.34	
23 05 23 00-0045	EA	8" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	3,470.62	494.39
		For 175 Lb. Rating, Add	885.51	
		For Chain Operated Type, Add	1,428.24	
		For 250 Lb. Rating, Add	1,856.71	
		For Work In Restricted Working Space, Add	184.24	
		For 150 Lb. Rating, Add	428.47	
23 05 23 00-0046	EA	10" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	5,148.42	601.86
		For 175 Lb. Rating, Add	1,362.79	
		For Chain Operated Type, Add	2,198.05	
		For 250 Lb. Rating, Add	2,857.47	
		For Work In Restricted Working Space, Add	225.70	
		For 150 Lb. Rating, Add	659.42	
23 05 23 00-0047	EA	12" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	6,483.61	730.82
		For 175 Lb. Rating, Add	1,727.23	
		For Chain Operated Type, Add	2,785.85	
		For 250 Lb. Rating, Add	3,621.61	
		For Work In Restricted Working Space, Add	273.57	
		For 150 Lb. Rating, Add	835.76	
23 05 23 00-0048	EA	14" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	13,166.78	1,028.15
		For 175 Lb. Rating, Add	3,683.29	
		For 250 Lb. Rating, Add	7,723.03	
		For Work In Restricted Working Space, Add	385.56	
		For 150 Lb. Rating, Add	1,782.24	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0049	EA	16" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve For 175 Lb. Rating, Add For 250 Lb. Rating, Add For Work In Restricted Working Space, Add For 150 Lb. Rating, Add	17,217.42 4,899.15 10,272.41 424.11 2,370.56	1,130.97
23 05 23 00-0050	EA	18" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve For 175 Lb. Rating, Add For 250 Lb. Rating, Add For Work In Restricted Working Space, Add For 150 Lb. Rating, Add	23,693.41 6,858.90 14,381.56 470.38 3,318.82	1,254.34
23 05 23 00-0051	EA	20" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve For 175 Lb. Rating, Add For 250 Lb. Rating, Add For Work In Restricted Working Space, Add For 150 Lb. Rating, Add	30,209.82 8,817.23 18,487.74 530.14 4,266.40	1,413.71
23 05 23 00-0052	EA	24" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve For 175 Lb. Rating, Add For 250 Lb. Rating, Add For Work In Restricted Working Space, Add For 150 Lb. Rating, Add	41,406.05 12,163.56 25,504.25 650.63 5,885.60	1,735.01
23 05 23 00-0053	EA	30" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve For 175 Lb. Rating, Add For 250 Lb. Rating, Add For Work In Restricted Working Space, Add For 150 Lb. Rating, Add	86,913.54 25,847.57 54,196.52 1,060.28 12,506.89	2,827.42
23 05 23 00-0054	EA	36" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve For 175 Lb. Rating, Add For 250 Lb. Rating, Add For Work In Restricted Working Space, Add For 150 Lb. Rating, Add	110,653.08 32,841.62 68,861.46 1,413.71 15,891.11	3,769.90
23 05 23 00-0055		Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valves (23 05 23 00-0001) Note: 800 PSIG at 850 degrees F.		
23 05 23 00-0056	EA	1/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve For Work In Restricted Working Space, Add	168.89 10.85	12.43
23 05 23 00-0057	EA	1/2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve For Work In Restricted Working Space, Add	172.80 12.03	12.43
23 05 23 00-0058	EA	3/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve For Work In Restricted Working Space, Add	204.54 16.21	13.67
23 05 23 00-0059	EA	1" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve For Work In Restricted Working Space, Add	248.29 19.62	15.53
23 05 23 00-0060	EA	1-1/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve For Work In Restricted Working Space, Add	377.92 24.85	16.53
23 05 23 00-0061	EA	1-1/2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve For Work In Restricted Working Space, Add	446.80 28.68	19.13
23 05 23 00-0062	EA	2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve For Work In Restricted Working Space, Add	561.28 33.89	22.61
23 05 23 00-0063		Ball Valves (23 05 23)		
23 05 23 00-0064		Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valves (23 05 23 00-0063) Note: 125 Lb. WSP.		
23 05 23 00-0065	EA	1/2" Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve For Extension Stems And Sleeves On Insulated Pipe, Add For Work In Restricted Working Space, Add For Full Port, Add	54.43 2.63 12.03 6.45	12.43
23 05 23 00-0066	EA	3/4" Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve For Extension Stems And Sleeves On Insulated Pipe, Add For Work In Restricted Working Space, Add For Full Port, Add	76.08 2.63 16.21 9.93	13.67
23 05 23 00-0067	EA	1" Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve For Extension Stems And Sleeves On Insulated Pipe, Add For Work In Restricted Working Space, Add For Full Port, Add	95.18 2.63 19.62 13.40	15.53
23 05 23 00-0068	EA	1-1/4" Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve For Extension Stems And Sleeves On Insulated Pipe, Add For Work In Restricted Working Space, Add For Full Port, Add	132.84 2.63 24.85 22.50	16.53
23 05 23 00-0069	EA	1-1/2" Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve For Extension Stems And Sleeves On Insulated Pipe, Add For Work In Restricted Working Space, Add For Full Port, Add	159.45 2.63 28.68 28.74	19.13
23 05 23 00-0070	EA	2" Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve For Extension Stems And Sleeves On Insulated Pipe, Add For Work In Restricted Working Space, Add For Full Port, Add	192.96 2.63 33.89 36.00	22.61

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
23 05 23 00-0071	EA 2-1/2" Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve <i>For Extension Stems And Sleeves On Insulated Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Full Port, Add</i>	530.05 2.63 45.77 169.87		30.55
23 05 23 00-0072	EA 3" Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve <i>For Extension Stems And Sleeves On Insulated Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Full Port, Add</i>	611.58 2.63 52.81 196.00		35.47
23 05 23 00-0073	EA 4" Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve <i>For Extension Stems And Sleeves On Insulated Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Full Port, Add</i>	794.05 2.63 60.07 267.21		40.04
23 05 23 00-0074	Three Piece Ball Valves (23 05 23 00-0063)			
23 05 23 00-0075	Threaded Or Sweated, Bronze Body, Three Piece Ball Valves (23 05 23 00-0074)			
23 05 23 00-0076	EA 1/4" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve <i>For Work In Restricted Working Space, Add</i>	104.25 10.85		12.43
23 05 23 00-0077	EA 3/8" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve <i>For Work In Restricted Working Space, Add</i>	106.15 11.42		12.43
23 05 23 00-0078	EA 1/2" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve <i>For Work In Restricted Working Space, Add</i>	118.99 12.03		12.43
23 05 23 00-0079	EA 3/4" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve <i>For Work In Restricted Working Space, Add</i>	150.85 16.21		13.67
23 05 23 00-0080	EA 1" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve <i>For Work In Restricted Working Space, Add</i>	192.57 19.62		15.53
23 05 23 00-0081	EA 1-1/4" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve <i>For Work In Restricted Working Space, Add</i>	265.65 24.86		16.53
23 05 23 00-0082	EA 1-1/2" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve <i>For Work In Restricted Working Space, Add</i>	332.24 28.67		19.13
23 05 23 00-0083	EA 2" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve <i>For Work In Restricted Working Space, Add</i>	541.76 33.89		22.61
23 05 23 00-0084	EA 2-1/2" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve <i>For Work In Restricted Working Space, Add</i>	1,162.62 49.70		32.44
23 05 23 00-0085	Threaded, Carbon Steel Body, Three Piece Ball Valves (23 05 23 00-0074)			
23 05 23 00-0086	EA 1/4" Threaded, Carbon Steel Body, Three Piece Ball Valve <i>For Work In Restricted Working Space, Add</i>	120.68 10.85		12.43
23 05 23 00-0087	EA 3/8" Threaded, Carbon Steel Body, Three Piece Ball Valve <i>For Work In Restricted Working Space, Add</i>	132.10 11.42		12.43
23 05 23 00-0088	EA 1/2" Threaded, Carbon Steel Body, Three Piece Ball Valve <i>For Work In Restricted Working Space, Add</i>	140.18 12.03		12.43
23 05 23 00-0089	EA 3/4" Threaded, Carbon Steel Body, Three Piece Ball Valve <i>For Work In Restricted Working Space, Add</i>	223.25 16.21		13.67
23 05 23 00-0090	EA 1" Threaded, Carbon Steel Body, Three Piece Ball Valve <i>For Work In Restricted Working Space, Add</i>	285.09 19.62		15.53
23 05 23 00-0091	EA 1-1/4" Threaded, Carbon Steel Body, Three Piece Ball Valve <i>For Work In Restricted Working Space, Add</i>	431.03 24.86		16.53
23 05 23 00-0092	EA 1-1/2" Threaded, Carbon Steel Body, Three Piece Ball Valve <i>For Work In Restricted Working Space, Add</i>	548.03 28.67		19.13
23 05 23 00-0093	EA 2" Threaded, Carbon Steel Body, Three Piece Ball Valve <i>For Work In Restricted Working Space, Add</i>	712.23 33.89		22.61
23 05 23 00-0094	Threaded, Stainless Steel Body, Three Piece Ball Valves (23 05 23 00-0074)			
23 05 23 00-0095	EA 1/4" Threaded, Stainless Steel Body, Three Piece Ball Valve <i>For Work In Restricted Working Space, Add</i>	309.40 10.85		12.43
23 05 23 00-0096	EA 3/8" Threaded, Stainless Steel Body, Three Piece Ball Valve <i>For Work In Restricted Working Space, Add</i>	331.65 11.42		12.43
23 05 23 00-0097	EA 1/2" Threaded, Stainless Steel Body, Three Piece Ball Valve <i>For Work In Restricted Working Space, Add</i>	349.59 12.03		12.43
23 05 23 00-0098	EA 3/4" Threaded, Stainless Steel Body, Three Piece Ball Valve <i>For Work In Restricted Working Space, Add</i>	507.04 16.21		13.67
23 05 23 00-0099	EA 1" Threaded, Stainless Steel Body, Three Piece Ball Valve <i>For Work In Restricted Working Space, Add</i>	618.15 19.62		15.53
23 05 23 00-0100	EA 1-1/4" Threaded, Stainless Steel Body, Three Piece Ball Valve <i>For Work In Restricted Working Space, Add</i>	722.12 24.86		16.53
23 05 23 00-0101	EA 1-1/2" Threaded, Stainless Steel Body, Three Piece Ball Valve <i>For Work In Restricted Working Space, Add</i>	966.57 28.67		19.13
23 05 23 00-0102	EA 2" Threaded, Stainless Steel Body, Three Piece Ball Valve <i>For Work In Restricted Working Space, Add</i>	1,257.66 33.89		22.61
23 05 23 00-0103	EA 3" Threaded, Stainless Steel Body, Three Piece Ball Valve <i>For Work In Restricted Working Space, Add</i>	3,303.85 57.35		38.53
23 05 23 00-0104	Screwed, 150 Lb., Full Port, Carbon Steel Ball Valves (23 05 23 00-0063)			
23 05 23 00-0105	EA 1/4" Screwed, 150 Lb., Full Port, Carbon Steel Ball Valve <i>For Work In Restricted Working Space, Add</i>	63.63 10.85		12.43
23 05 23 00-0106	EA 1/2" Screwed, 150 Lb., Full Port, Carbon Steel Ball Valve <i>For Work In Restricted Working Space, Add</i>	69.89 12.03		12.43
23 05 23 00-0107	EA 3/4" Screwed, 150 Lb., Full Port, Carbon Steel Ball Valve <i>For Work In Restricted Working Space, Add</i>	97.12 16.21		13.67
23 05 23 00-0108	EA 1" Screwed, 150 Lb., Full Port, Carbon Steel Ball Valve <i>For Work In Restricted Working Space, Add</i>	123.35 19.62		15.53
23 05 23 00-0109	EA 1-1/4" Screwed, 150 Lb., Full Port, Carbon Steel Ball Valve <i>For Work In Restricted Working Space, Add</i>	181.89 24.85		16.53

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0110	EA	1-1/2" Screwed, 150 Lb., Full Port, Carbon Steel Ball Valve	221.07	19.13
		<i>For Work In Restricted Working Space, Add</i>	28.68	
23 05 23 00-0111	EA	2" Screwed, 150 Lb., Full Port, Carbon Steel Ball Valve	285.74	22.61
		<i>For Work In Restricted Working Space, Add</i>	33.89	
23 05 23 00-0112 Flanged, 150 Lb., Full Port, Carbon Steel Ball Valves (23 05 23 00-0063)				
23 05 23 00-0113	EA	1-1/2" Flanged, 150 Lb., Full Port, Carbon Steel Ball Valve	552.60	130.47
		<i>For 250 Lb. Rating, Add</i>	194.55	
		<i>For Work In Restricted Working Space, Add</i>	49.05	
		<i>For 150 Lb. Rating, Add</i>	112.84	
		<i>For Chain Operated Type, Add</i>	194.55	
		<i>For 300 Lb. Rating, ASTM A182, Add</i>	470.65	
		<i>For Work In Restricted Working Space, Add</i>	49.05	
23 05 23 00-0114	EA	2" Flanged, 150 Lb., Full Port, Carbon Steel Ball Valve	689.82	165.65
		<i>For 250 Lb. Rating, Add</i>	241.36	
		<i>For Work In Restricted Working Space, Add</i>	62.13	
		<i>For 150 Lb. Rating, Add</i>	139.99	
		<i>For Chain Operated Type, Add</i>	241.36	
		<i>For 300 Lb. Rating, ASTM A182, Add</i>	586.27	
		<i>For Work In Restricted Working Space, Add</i>	62.13	
23 05 23 00-0115	EA	2-1/2" Flanged, 150 Lb., Full Port, Carbon Steel Ball Valve	1,089.84	165.91
		<i>For 250 Lb. Rating, Add</i>	440.90	
		<i>For Work In Restricted Working Space, Add</i>	62.41	
		<i>For 150 Lb. Rating, Add</i>	255.72	
		<i>For Chain Operated Type, Add</i>	440.90	
		<i>For 300 Lb. Rating, ASTM A182, Add</i>	985.82	
		<i>For Work In Restricted Working Space, Add</i>	62.41	
23 05 23 00-0116	EA	3" Flanged, 150 Lb., Full Port, Carbon Steel Ball Valve	1,196.86	194.52
		<i>For 250 Lb. Rating, Add</i>	476.71	
		<i>For Work In Restricted Working Space, Add</i>	73.04	
		<i>For 150 Lb. Rating, Add</i>	276.49	
		<i>For Chain Operated Type, Add</i>	476.71	
		<i>For 300 Lb. Rating, ASTM A182, Add</i>	1,075.14	
		<i>For Work In Restricted Working Space, Add</i>	73.04	
23 05 23 00-0117	EA	4" Flanged, 150 Lb., Full Port, Carbon Steel Ball Valve	1,747.81	326.09
		<i>For Work In Restricted Working Space, Add</i>	122.60	
23 05 23 00-0118	EA	6" Flanged, 150 Lb., Full Port, Carbon Steel Ball Valve	4,116.29	386.91
		<i>For Work In Restricted Working Space, Add</i>	145.61	
23 05 23 00-0119	EA	8" Flanged, 150 Lb., Full Port, Carbon Steel Ball Valve	7,056.41	494.39
		<i>For Work In Restricted Working Space, Add</i>	184.24	
23 05 23 00-0120 Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valves (23 05 23 00-0063)				
23 05 23 00-0121	EA	1/2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	48.42	12.43
		<i>For Work In Restricted Working Space, Add</i>	12.03	
		<i>For True Union Socket Or Thread Type, Add</i>	5.44	
23 05 23 00-0122	EA	3/4" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	63.61	13.67
		<i>For Work In Restricted Working Space, Add</i>	16.21	
		<i>For True Union Socket Or Thread Type, Add</i>	6.67	
23 05 23 00-0123	EA	1" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	78.76	15.53
		<i>For Work In Restricted Working Space, Add</i>	19.62	
		<i>For True Union Socket Or Thread Type, Add</i>	8.78	
23 05 23 00-0124	EA	1-1/4" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	100.39	16.53
		<i>For Work In Restricted Working Space, Add</i>	24.85	
		<i>For True Union Socket Or Thread Type, Add</i>	11.37	
23 05 23 00-0125	EA	1-1/2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	126.12	19.13
		<i>For Work In Restricted Working Space, Add</i>	28.68	
		<i>For True Union Socket Or Thread Type, Add</i>	17.23	
23 05 23 00-0126	EA	2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	151.88	22.61
		<i>For Work In Restricted Working Space, Add</i>	33.89	
		<i>For True Union Socket Or Thread Type, Add</i>	21.49	
23 05 23 00-0127	EA	2-1/2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	236.28	30.55
		<i>For Work In Restricted Working Space, Add</i>	45.77	
		<i>For True Union Socket Or Thread Type, Add</i>	41.50	
23 05 23 00-0128	EA	3" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	318.39	35.47
		<i>For Work In Restricted Working Space, Add</i>	52.81	
		<i>For True Union Socket Or Thread Type, Add</i>	66.19	
23 05 23 00-0129	EA	4" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	472.44	40.04
		<i>For Work In Restricted Working Space, Add</i>	60.07	
		<i>For True Union Socket Or Thread Type, Add</i>	119.39	
23 05 23 00-0130 Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valves (23 05 23 00-0063)				
23 05 23 00-0131	EA	1/4" Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	97.42	18.64
		<i>For Work In Restricted Working Space, Add</i>	16.28	
		<i>For Full Port, Add</i>	19.41	
23 05 23 00-0132	EA	3/8" Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	100.27	18.64
		<i>For Work In Restricted Working Space, Add</i>	17.14	
		<i>For Full Port, Add</i>	19.41	
23 05 23 00-0133	EA	1/2" Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	103.26	18.64
		<i>For Work In Restricted Working Space, Add</i>	18.04	
		<i>For Full Port, Add</i>	19.41	
23 05 23 00-0134	EA	3/4" Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	126.78	20.50
		<i>For Work In Restricted Working Space, Add</i>	24.31	
		<i>For Full Port, Add</i>	20.58	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
23 05 23 00-0135	EA 1" Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve..... <i>For Work In Restricted Working Space, Add</i> <i>For Full Port, Add</i>	165.87	23.30	29.43	30.49
23 05 23 00-0136	EA 1-1/4" Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve..... <i>For Work In Restricted Working Space, Add</i> <i>For Full Port, Add</i>	217.00	24.79	37.28	41.73
23 05 23 00-0137	EA 1-1/2" Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve..... <i>For Work In Restricted Working Space, Add</i> <i>For Full Port, Add</i>	266.68	28.70	43.01	55.49
23 05 23 00-0138	EA 2" Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve..... <i>For Work In Restricted Working Space, Add</i> <i>For Full Port, Add</i>	370.11	33.93	50.83	90.30
23 05 23 00-0139	EA 2-1/2" Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve..... <i>For Work In Restricted Working Space, Add</i> <i>For Full Port, Add</i>	715.82	45.82	68.65	219.14
23 05 23 00-0140	EA 3" Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve..... <i>For Work In Restricted Working Space, Add</i> <i>For Full Port, Add</i>	1,037.34	53.20	79.22	347.98
23 05 23 00-0141 Wye Strainer, Union With Two Pressure Ports, Ball Valves (23 05 23 00-0063)					
23 05 23 00-0142	EA 1/2" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve.....	175.81	12.43		
23 05 23 00-0143	EA 3/4" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve.....	225.66	16.15		
23 05 23 00-0144	EA 1" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve.....	290.61	19.89		
23 05 23 00-0145	EA 1-1/4" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve.....	396.28	27.33		
23 05 23 00-0146	EA 1-1/2" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve.....	495.21	31.81		
23 05 23 00-0147	EA 2" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve.....	652.88	37.28		
23 05 23 00-0148 Plastic Ball Valves (23 05 23 00-0063) Note: Threaded or socket.					
23 05 23 00-0149 Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valves (23 05 23 00-0148)					
23 05 23 00-0150	EA 3/8" Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346).....	75.40	12.43		
23 05 23 00-0151	EA 1/2" Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346).....	78.74	12.43		
23 05 23 00-0152	EA 3/4" Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346).....	99.88	13.67		
23 05 23 00-0153	EA 1" Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346).....	129.70	15.53		
23 05 23 00-0154	EA 1-1/4" Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346).....	154.57	16.53		
23 05 23 00-0155	EA 1-1/2" Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346).....	186.93	19.13		
23 05 23 00-0156	EA 2" Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346).....	227.51	22.61		
23 05 23 00-0157 Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valves (23 05 23 00-0148)					
23 05 23 00-0158	EA 3/8" Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346).....	111.90	12.43		
23 05 23 00-0159	EA 1/2" Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346).....	113.58	12.43		
23 05 23 00-0160	EA 3/4" Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346).....	143.01	13.67		
23 05 23 00-0161	EA 1" Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346).....	176.54	15.53		
23 05 23 00-0162	EA 1-1/4" Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346).....	265.31	16.53		
23 05 23 00-0163	EA 1-1/2" Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346).....	294.65	19.13		
23 05 23 00-0164	EA 2" Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346).....	353.50	22.61		
23 05 23 00-0165 Viton Liner And Seals, Polypropylene (PP) Ball Valves (23 05 23 00-0148)					
23 05 23 00-0166	EA 3/8" Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346).....	124.34	12.43		
23 05 23 00-0167	EA 1/2" Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346).....	134.31	12.43		
23 05 23 00-0168	EA 3/4" Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346).....	154.62	13.67		
23 05 23 00-0169	EA 1" Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346).....	189.81	15.53		
23 05 23 00-0170	EA 1-1/4" Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346).....	238.77	16.53		
23 05 23 00-0171	EA 1-1/2" Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346).....	286.35	19.13		
23 05 23 00-0172	EA 2" Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346).....	370.08	22.61		
23 05 23 00-0173 Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valves (23 05 23 00-0148)					
23 05 23 00-0174	EA 3/8" Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346).....	247.09	12.43		
23 05 23 00-0175	EA 1/2" Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346).....	263.70	12.43		
23 05 23 00-0176	EA 3/4" Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346).....	313.86	13.67		
23 05 23 00-0177	EA 1" Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346).....	367.30	15.53		
23 05 23 00-0178	EA 1-1/4" Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346).....	447.78	16.53		
23 05 23 00-0179	EA 1-1/2" Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346).....	493.70	19.13		
23 05 23 00-0180	EA 2" Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346).....	569.14	22.61		
23 05 23 00-0181 Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valves (23 05 23 00-0148)					
23 05 23 00-0182	EA 1/2" Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact).....	52.45	12.43		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0183	EA	3/4" Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact)	70.27	13.67
23 05 23 00-0184	EA	1" Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact)	85.31	15.53
23 05 23 00-0185	EA	1-1/4" Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact)	118.01	16.53
23 05 23 00-0186	EA	1-1/2" Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact)	130.76	19.13
23 05 23 00-0187	EA	2" Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact)	159.33	22.61
23 05 23 00-0188		Plastic, True Union, Ball Valves (23 05 23 00-0063)		
23 05 23 00-0189		Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valves (23 05 23 00-0188)		
		Note: Socket or NPT connectors.		
23 05 23 00-0190	EA	3/8" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	121.02	12.43
23 05 23 00-0191	EA	1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	126.02	12.43
23 05 23 00-0192	EA	3/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	152.96	13.67
23 05 23 00-0193	EA	1" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	188.15	15.53
23 05 23 00-0194	EA	1-1/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	227.16	16.53
23 05 23 00-0195	EA	1-1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	261.47	19.13
23 05 23 00-0196	EA	2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	320.32	22.61
23 05 23 00-0197		Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valves (23 05 23 00-0188)		
		Note: Socket or NPT connectors.		
23 05 23 00-0198	EA	3/8" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	122.68	12.43
23 05 23 00-0199	EA	1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	142.61	12.43
23 05 23 00-0200	EA	3/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	154.62	13.67
23 05 23 00-0201	EA	1" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	188.15	15.53
23 05 23 00-0202	EA	1-1/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	223.84	16.53
23 05 23 00-0203	EA	1-1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	259.81	19.13
23 05 23 00-0204	EA	2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	320.32	22.61
23 05 23 00-0205		Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valves (23 05 23 00-0188)		
		Note: Socket or NPT connectors.		
23 05 23 00-0206	EA	1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	67.96	12.43
23 05 23 00-0207	EA	3/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	87.44	13.67
23 05 23 00-0208	EA	1" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	105.21	15.53
23 05 23 00-0209	EA	1-1/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	138.41	16.53
23 05 23 00-0210	EA	1-1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	161.94	19.13
23 05 23 00-0211	EA	2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	220.79	22.61
23 05 23 00-0212	EA	2-1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	308.49	30.55
23 05 23 00-0213	EA	3" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	388.36	35.47
23 05 23 00-0214	EA	4" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	548.59	40.04
23 05 23 00-0215		Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valves (23 05 23 00-0188)		
		Note: Socket or NPT connectors.		
23 05 23 00-0216	EA	1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	79.57	12.43
23 05 23 00-0217	EA	3/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	104.02	13.67
23 05 23 00-0218	EA	1" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	128.43	15.53

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI UOM DESCRIPTION		UNIT COST		UNIT COST	
23 05 23 00-0219	EA	1-1/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560).....		179.05	16.53
23 05 23 00-0220	EA	1-1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560).....		196.78	19.13
23 05 23 00-0221	EA	2" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560).....		252.31	22.61
23 05 23 00-0222	EA	2-1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560).....		434.56	30.55
23 05 23 00-0223	EA	3" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560).....		507.79	35.47
23 05 23 00-0224	EA	4" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560).....		780.82	40.04
23 05 23 00-0225 Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valves (23 05 23 00-0188)					
23 05 23 00-0226 Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valves (23 05 23 00-0225)					
23 05 23 00-0227	EA	1/4" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....		65.62	12.43
23 05 23 00-0228	EA	3/8" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....		67.52	12.43
23 05 23 00-0229	EA	1/2" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....		69.20	12.43
23 05 23 00-0230	EA	3/4" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....		88.43	13.67
23 05 23 00-0231	EA	1" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....		108.33	15.53
23 05 23 00-0232	EA	1-1/4" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....		131.78	16.53
23 05 23 00-0233	EA	1-1/2" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....		158.48	19.13
23 05 23 00-0234	EA	2" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....		202.55	22.61
23 05 23 00-0235	EA	2-1/2" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....		374.01	30.55
23 05 23 00-0236	EA	3" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....		416.56	35.47
23 05 23 00-0237	EA	4" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....		574.30	40.04
23 05 23 00-0238 Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valves (23 05 23 00-0225)					
23 05 23 00-0239	EA	1/4" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....		65.62	12.43
23 05 23 00-0240	EA	3/8" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....		67.52	12.43
23 05 23 00-0241	EA	1/2" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....		69.20	12.43
23 05 23 00-0242	EA	3/4" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....		88.43	13.67
23 05 23 00-0243	EA	1" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....		108.33	15.53
23 05 23 00-0244	EA	1-1/4" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....		131.78	16.53
23 05 23 00-0245	EA	1-1/2" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....		158.48	19.13
23 05 23 00-0246	EA	2" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....		202.55	22.61
23 05 23 00-0247	EA	2-1/2" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....		374.01	30.55
23 05 23 00-0248	EA	3" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....		416.56	35.47
23 05 23 00-0249	EA	4" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....		574.30	40.04
23 05 23 00-0250 Globe Valves (23 05 23)					
23 05 23 00-0251 Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valves (23 05 23 00-0250)					
23 05 23 00-0252	EA	1/8" Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve.....		76.50	12.43
		For 250 Lb. Rating, Add		16.38	
		For Work In Restricted Working Space, Add		12.03	
		For 300 Lb. Rating, Add		20.03	
		For 200 Lb. Rating, Add		13.84	
		For 150 Lb. Rating, Add		11.29	
23 05 23 00-0253	EA	1/4" Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve.....		72.59	12.43
		For 250 Lb. Rating, Add		16.38	
		For Work In Restricted Working Space, Add		10.85	
		For 300 Lb. Rating, Add		20.03	
		For 200 Lb. Rating, Add		13.84	
		For 150 Lb. Rating, Add		11.29	
23 05 23 00-0254	EA	3/8" Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve.....		92.43	12.43
		For 250 Lb. Rating, Add		24.46	
		For Work In Restricted Working Space, Add		11.42	
		For 300 Lb. Rating, Add		29.89	
		For 200 Lb. Rating, Add		20.65	
		For 150 Lb. Rating, Add		16.85	
23 05 23 00-0255	EA	1/2" Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve.....		94.44	12.43
		For 250 Lb. Rating, Add		24.46	
		For Work In Restricted Working Space, Add		12.03	
		For 600 Lb. Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add		75.82	
		For 300 Lb. Rating, Add		29.89	
		For 200 Lb. Rating, Add		20.65	
		For 150 Lb. Rating, Add		16.85	
23 05 23 00-0256	EA	3/4" Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve.....		112.93	13.04
		For 250 Lb. Rating, Add		26.51	
		For Work In Restricted Working Space, Add		16.21	
		For 600 Lb. Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add		86.41	
		For 300 Lb. Rating, Add		32.40	
		For 200 Lb. Rating, Add		22.39	
		For 150 Lb. Rating, Add		18.26	
23 05 23 00-0257	EA	1" Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve.....		145.02	13.04
		For 250 Lb. Rating, Add		35.83	
		For Work In Restricted Working Space, Add		19.62	
		For 600 Lb. Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add		113.74	
		For 300 Lb. Rating, Add		43.79	
		For 200 Lb. Rating, Add		30.26	
		For 150 Lb. Rating, Add		24.68	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0258	EA	1-1/4" Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	220.35	16.53
		For 250 Lb. Rating, Add	61.88	
		For Work In Restricted Working Space, Add	24.85	
		For 600 Lb. Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	184.40	
		For 300 Lb. Rating, Add	75.63	
		For 200 Lb. Rating, Add	52.25	
		For 150 Lb. Rating, Add	42.63	
23 05 23 00-0259	EA	1-1/2" Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	292.12	19.13
		For 250 Lb. Rating, Add	88.44	
		For Work In Restricted Working Space, Add	28.68	
		For 600 Lb. Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	254.42	
		For 300 Lb. Rating, Add	108.09	
		For 200 Lb. Rating, Add	74.68	
		For 150 Lb. Rating, Add	60.92	
23 05 23 00-0260	EA	2" Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	344.01	22.61
		For 250 Lb. Rating, Add	103.97	
		For Work In Restricted Working Space, Add	33.89	
		For 600 Lb. Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	299.33	
		For 300 Lb. Rating, Add	127.07	
		For 200 Lb. Rating, Add	87.80	
		For 150 Lb. Rating, Add	71.62	
23 05 23 00-0261	EA	2-1/2" Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	385.49	30.55
		For 250 Lb. Rating, Add	104.82	
		For Work In Restricted Working Space, Add	45.77	
		For 300 Lb. Rating, Add	128.11	
		For 200 Lb. Rating, Add	88.51	
		For 150 Lb. Rating, Add	72.21	
23 05 23 00-0262	EA	3" Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	697.90	35.47
		For 250 Lb. Rating, Add	234.84	
		For Work In Restricted Working Space, Add	52.81	
		For 300 Lb. Rating, Add	287.03	
		For 200 Lb. Rating, Add	198.31	
		For 150 Lb. Rating, Add	161.78	
23 05 23 00-0263 Threaded, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valves (23 05 23 00-0250)				
23 05 23 00-0264	EA	2" Threaded, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	518.89	22.61
		For Chain Operated Type, Add	338.94	
		For 250 Lb. Rating, Add	182.66	
		For Work In Restricted Working Space, Add	33.89	
		For 300 Lb. Rating, Add	223.26	
		For 200 Lb. Rating, Add	154.25	
		For 150 Lb. Rating, Add	125.84	
23 05 23 00-0265	EA	2-1/2" Threaded, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	644.58	30.55
		For Chain Operated Type, Add	410.84	
		For 250 Lb. Rating, Add	221.41	
		For Work In Restricted Working Space, Add	45.77	
		For 300 Lb. Rating, Add	270.61	
		For 200 Lb. Rating, Add	186.97	
		For 150 Lb. Rating, Add	152.53	
23 05 23 00-0266	EA	3" Threaded, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	766.45	35.47
		For Chain Operated Type, Add	493.00	
		For 250 Lb. Rating, Add	265.69	
		For Work In Restricted Working Space, Add	52.81	
		For 300 Lb. Rating, Add	324.73	
		For 200 Lb. Rating, Add	224.36	
		For 150 Lb. Rating, Add	183.03	
23 05 23 00-0267	EA	4" Threaded, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	987.41	40.04
		For Chain Operated Type, Add	657.34	
		For 250 Lb. Rating, Add	354.25	
		For Work In Restricted Working Space, Add	60.05	
		For 300 Lb. Rating, Add	432.98	
		For 200 Lb. Rating, Add	299.15	
		For 150 Lb. Rating, Add	244.04	
23 05 23 00-0268 Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valves (23 05 23 00-0250)				
23 05 23 00-0269	EA	2" Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	651.08	165.65
		For 150 Lb. Rating, Add	137.63	
		For Work In Restricted Working Space, Add	62.13	
		For 250 Lb. Rating, Add	199.79	
		For Chain Operated Type, Add	221.99	
23 05 23 00-0270	EA	2-1/2" Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	749.28	165.91
		For 150 Lb. Rating, Add	167.78	
		For Work In Restricted Working Space, Add	62.41	
		For 250 Lb. Rating, Add	243.56	
		For Chain Operated Type, Add	270.62	
23 05 23 00-0271	EA	3" Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	892.94	194.52
		For 150 Lb. Rating, Add	201.34	
		For Work In Restricted Working Space, Add	73.04	
		For 250 Lb. Rating, Add	292.27	
		For Chain Operated Type, Add	324.75	
23 05 23 00-0272	EA	4" Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	1,274.63	326.09
		For 150 Lb. Rating, Add	268.45	
		For Work In Restricted Working Space, Add	122.60	
		For 250 Lb. Rating, Add	389.69	
		For Chain Operated Type, Add	432.99	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 05 23 00-0273	EA 5" Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve.....	1,638.86	348.22
	For 150 Lb. Rating, Add	373.32	
	For Work In Restricted Working Space, Add	130.38	
	For 250 Lb. Rating, Add	541.91	
	For Chain Operated Type, Add	602.13	
23 05 23 00-0274	EA 6" Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve.....	2,007.61	386.91
	For 150 Lb. Rating, Add	471.89	
	For Work In Restricted Working Space, Add	145.61	
	For 250 Lb. Rating, Add	685.00	
	For Chain Operated Type, Add	761.12	
23 05 23 00-0275	EA 8" Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve.....	2,954.99	494.39
	For 150 Lb. Rating, Add	725.66	
	For Work In Restricted Working Space, Add	184.24	
	For 250 Lb. Rating, Add	1,053.38	
	For Chain Operated Type, Add	1,170.43	
23 05 23 00-0276	EA 10" Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve.....	4,317.72	601.86
	For 150 Lb. Rating, Add	1,105.27	
	For Work In Restricted Working Space, Add	225.70	
	For 250 Lb. Rating, Add	1,604.43	
	For Chain Operated Type, Add	1,782.70	
23 05 23 00-0277	EA 12" Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve.....	7,658.62	730.82
	For 150 Lb. Rating, Add	2,091.48	
	For Work In Restricted Working Space, Add	273.57	
	For 250 Lb. Rating, Add	3,036.02	
	For Chain Operated Type, Add	3,373.36	

23 05 23 00-0278 Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valves (23 05 23 00-0280)

23 05 23 00-0279	EA 1/8" Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	67.67	12.43
	For 150 Lb. Rating, Add	8.55	
	For 200 Lb. Rating, Add	10.48	
	For Work In Restricted Working Space, Add	12.03	
	For 300 Lb. Rating, Add	15.17	
23 05 23 00-0280	EA 1/4" Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	63.76	12.43
	For 150 Lb. Rating, Add	8.55	
	For 200 Lb. Rating, Add	10.48	
	For Work In Restricted Working Space, Add	10.85	
	For 300 Lb. Rating, Add	15.17	
23 05 23 00-0281	EA 3/8" Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	65.66	12.43
	For 150 Lb. Rating, Add	8.55	
	For 200 Lb. Rating, Add	10.48	
	For Work In Restricted Working Space, Add	11.42	
	For 300 Lb. Rating, Add	15.17	
23 05 23 00-0282	EA 1/2" Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	69.51	12.43
	For 150 Lb. Rating, Add	9.12	
	For 200 Lb. Rating, Add	11.18	
	For Work In Restricted Working Space, Add	12.03	
	For 300 Lb. Rating, Add	16.18	
23 05 23 00-0283	EA 3/4" Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	94.81	13.04
	For 150 Lb. Rating, Add	12.64	
	For 200 Lb. Rating, Add	15.50	
	For Work In Restricted Working Space, Add	16.21	
	For 300 Lb. Rating, Add	22.43	
23 05 23 00-0284	EA 1" Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	118.93	13.04
	For 150 Lb. Rating, Add	16.59	
	For 200 Lb. Rating, Add	20.34	
	For Work In Restricted Working Space, Add	19.62	
	For 300 Lb. Rating, Add	29.44	
23 05 23 00-0285	EA 1-1/4" Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	162.36	16.53
	For 150 Lb. Rating, Add	24.65	
	For 200 Lb. Rating, Add	30.22	
	For Work In Restricted Working Space, Add	24.85	
	For 300 Lb. Rating, Add	43.74	
23 05 23 00-0286	EA 1-1/2" Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	188.30	19.13
	For 150 Lb. Rating, Add	28.74	
	For 200 Lb. Rating, Add	35.23	
	For Work In Restricted Working Space, Add	28.68	
	For 300 Lb. Rating, Add	50.99	
23 05 23 00-0287	EA 2" Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	252.61	22.61
	For 150 Lb. Rating, Add	43.29	
	For 200 Lb. Rating, Add	53.06	
	For Work In Restricted Working Space, Add	33.89	
	For 300 Lb. Rating, Add	76.80	
23 05 23 00-0288	EA 2-1/2" Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	417.58	33.18
	For 150 Lb. Rating, Add	78.09	
	For 200 Lb. Rating, Add	95.72	
	For Work In Restricted Working Space, Add	49.71	
	For 300 Lb. Rating, Add	138.54	
23 05 23 00-0289	EA 3" Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	617.75	38.53
	For 150 Lb. Rating, Add	132.24	
	For 200 Lb. Rating, Add	162.10	
	For Work In Restricted Working Space, Add	57.35	
	For 300 Lb. Rating, Add	234.62	

23 05 23 00-0290 Flanged, 125 Lb., Iron Body, Angle Globe Valves (23 05 23 00-0290)

23 05 23 00-0291	EA 2" Flanged, 125 Lb., Iron Body, Angle Globe Valve.....	1,349.39	165.65
	For 250 Lb. Rating, Add	685.37	
	For Work In Restricted Working Space, Add	62.13	
	For Chain Operated Type, Add	445.49	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0292	EA	2-1/2" Flanged, 125 Lb., Iron Body, Angle Globe Valve..... <i>For 250 Lb. Rating, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Chain Operated Type, Add</i>	1,559.00 810.58 62.41 526.87	165.91
23 05 23 00-0293	EA	3" Flanged, 125 Lb., Iron Body, Angle Globe Valve..... <i>For 250 Lb. Rating, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Chain Operated Type, Add</i>	1,835.45 955.20 73.04 620.88	194.52
23 05 23 00-0294	EA	4" Flanged, 125 Lb., Iron Body, Angle Globe Valve..... <i>For 250 Lb. Rating, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Chain Operated Type, Add</i>	2,682.48 1,364.30 122.60 886.79	326.09
23 05 23 00-0295	EA	5" Flanged, 125 Lb., Iron Body, Angle Globe Valve..... <i>For 250 Lb. Rating, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Chain Operated Type, Add</i>	4,509.75 2,445.08 130.38 1,589.30	348.22
23 05 23 00-0296	EA	6" Flanged, 125 Lb., Iron Body, Angle Globe Valve..... <i>For 250 Lb. Rating, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Chain Operated Type, Add</i>	4,560.52 2,445.08 145.61 1,589.30	386.91
23 05 23 00-0297	EA	8" Flanged, 125 Lb., Iron Body, Angle Globe Valve..... <i>For 250 Lb. Rating, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Chain Operated Type, Add</i>	8,589.99 4,785.51 184.24 3,110.58	494.39
23 05 23 00-0298		Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valves (23 05 23 00-0290) Note: 800 PSIG at 850 degrees F.		
23 05 23 00-0299	EA	1/4" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve..... <i>For Work In Restricted Working Space, Add</i>	212.59 10.85	20.13
23 05 23 00-0300	EA	1/2" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve..... <i>For Work In Restricted Working Space, Add</i>	216.50 12.03	20.13
23 05 23 00-0301	EA	3/4" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve..... <i>For Work In Restricted Working Space, Add</i>	254.71 16.21	27.09
23 05 23 00-0302	EA	1" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve..... <i>For Work In Restricted Working Space, Add</i>	314.64 19.62	32.68
23 05 23 00-0303	EA	1-1/4" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve..... <i>For Work In Restricted Working Space, Add</i>	510.11 24.85	41.38
23 05 23 00-0304	EA	1-1/2" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve..... <i>For Work In Restricted Working Space, Add</i>	611.88 28.68	47.84
23 05 23 00-0305	EA	2" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve..... <i>For Work In Restricted Working Space, Add</i>	778.16 33.89	56.54
23 05 23 00-0306		Triple Duty Valves (23 05 23) Note: Valves function as a shut-off, check valve and calibrated balancing valve.		
23 05 23 00-0307		Straight Pattern, Triple Duty Valves (23 05 23 00-0306) Note: Bell & Gossett 3DX and 3DS-S Series.		
23 05 23 00-0308	EA	1" Threaded, Straight Pattern, Triple Duty Valve.....	311.23	13.04
23 05 23 00-0309	EA	1-1/4" Threaded, Straight Pattern, Triple Duty Valve.....	361.10	16.53
23 05 23 00-0310	EA	1-1/2" Threaded, Straight Pattern, Triple Duty Valve.....	392.45	19.13
23 05 23 00-0311	EA	2" Flanged, Straight Pattern, Triple Duty Valve.....	1,014.28	165.65
23 05 23 00-0312	EA	2-1/2" Flanged, Straight Pattern, Triple Duty Valve.....	1,140.47	165.91
23 05 23 00-0313	EA	3" Flanged, Straight Pattern, Triple Duty Valve.....	1,250.10	194.52
23 05 23 00-0314	EA	4" Flanged, Straight Pattern, Triple Duty Valve.....	2,551.85	326.09
23 05 23 00-0315	EA	5" Flanged, Straight Pattern Triple Duty Valve.....	2,962.84	348.22
23 05 23 00-0316	EA	6" Flanged, Straight Pattern, Triple Duty Valve.....	3,936.77	386.91
23 05 23 00-0317	EA	8" Flanged, Straight Pattern, Triple Duty Valve.....	5,299.49	494.39
23 05 23 00-0318	EA	10" Flanged, Straight Pattern, Triple Duty Valve.....	8,490.11	601.86
23 05 23 00-0319		Flanged, Angle Pattern, Triple Duty Valves (23 05 23 00-0306) Note: Bell & Gossett 3D-S Series.		
23 05 23 00-0320	EA	2" Flanged, Angle Pattern, Triple Duty Valve.....	991.08	165.65
23 05 23 00-0321	EA	2-1/2" Flanged, Angle Pattern, Triple Duty Valve.....	1,112.64	165.91
23 05 23 00-0322	EA	3" Flanged, Angle Pattern, Triple Duty Valve.....	1,226.91	194.52
23 05 23 00-0323	EA	4" Flanged, Angle Pattern, Triple Duty Valve.....	2,491.54	326.09
23 05 23 00-0324	EA	5" Flanged, Angle Pattern, Triple Duty Valve.....	2,888.62	348.22
23 05 23 00-0325	EA	6" Flanged, Angle Pattern, Triple Duty Valve.....	3,240.92	386.91
23 05 23 00-0326	EA	8" Flanged, Angle Pattern, Triple Duty Valve.....	4,970.12	494.39
23 05 23 00-0327	EA	10" Flanged, Angle Pattern, Triple Duty Valve.....	6,639.16	601.86
23 05 23 00-0328		Balanced, Straight Pattern, Triple Duty Valves (23 05 23 00-0306) Note: Bell & Gossett 3DS-B Series.		
23 05 23 00-0329	EA	3" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	1,148.05	194.52
23 05 23 00-0330	EA	4" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	2,282.79	326.09
23 05 23 00-0331	EA	5" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	2,652.03	348.22
23 05 23 00-0332	EA	6" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	3,514.62	386.91
23 05 23 00-0333	EA	8" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	4,724.26	494.39
23 05 23 00-0334	EA	10" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	7,529.84	601.86
23 05 23 00-0335	EA	12" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	11,321.94	730.82
23 05 23 00-0336	EA	14" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	13,759.41	859.80
23 05 23 00-0337	EA	16" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	17,229.32	945.78

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 05 23 00-0338		Grooved Straight Pattern, Triple Duty Valves (23 05 23 00-0306)	
		Note: Bell & Gossett 3DS-G Series.	
23 05 23 00-0339	EA	2" Grooved, Straight Pattern, Triple Duty Valve.....	1,065.93 30.70
23 05 23 00-0340	EA	2-1/2" Grooved, Straight Pattern, Triple Duty Valve.....	1,270.68 36.61
23 05 23 00-0341	EA	3" Grooved, Straight Pattern, Triple Duty Valve.....	1,479.02 39.70
23 05 23 00-0342	EA	4" Grooved, Straight Pattern, Triple Duty Valve.....	2,453.71 42.79
23 05 23 00-0343	EA	5" Grooved, Straight Pattern, Triple Duty Valve.....	2,841.86 54.81
23 05 23 00-0344	EA	6" Grooved, Straight Pattern Triple Duty Valve.....	3,788.65 70.29
23 05 23 00-0345	EA	8" Grooved, Straight Pattern Triple Duty Valve.....	5,152.62 89.21
23 05 23 00-0346	EA	10" Grooved, Straight Pattern Triple Duty Valve.....	8,129.48 99.95
23 05 23 00-0347	EA	12" Grooved, Straight Pattern Triple Duty Valve.....	12,906.02 121.87
23 05 23 00-0348		Plug Valves (23 05 23)	
23 05 23 00-0349		Plug Valves, Lubricated, Semisteel Screwed, Wrench Operated (23 05 23 00-0348)	
		Note: Includes wrench.	
23 05 23 00-0350	EA	1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	298.13 12.43
23 05 23 00-0351	EA	3/4" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	312.06 13.67
23 05 23 00-0352	EA	1" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	394.53 15.53
23 05 23 00-0353	EA	1-1/4" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	472.53 16.53
23 05 23 00-0354	EA	1-1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	519.51 19.13
23 05 23 00-0355	EA	2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	613.24 22.61
23 05 23 00-0356	EA	2-1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	918.77 30.55
23 05 23 00-0357	EA	3" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	1,123.92 35.47
23 05 23 00-0358		Plug Valves, Lubricated, Semisteel Flanged (23 05 23 00-0348)	
		Note: Wrench operated for 4", gear operated for 6" and 10".	
23 05 23 00-0359	EA	2" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	681.22 165.65
23 05 23 00-0360	EA	2-1/2" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	832.57 165.91
23 05 23 00-0361	EA	3" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	1,028.20 194.52
23 05 23 00-0362	EA	4" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	1,471.33 326.09
23 05 23 00-0363	EA	6" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	3,320.27 386.91
23 05 23 00-0364	EA	8" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	5,721.53 494.39
23 05 23 00-0365	EA	10" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	9,263.54 601.86
23 05 23 00-0366	EA	12" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	13,830.79 730.82
23 05 23 00-0367		Plug Valves, Forged Steel, Screwed (23 05 23 00-0348)	
23 05 23 00-0368	EA	1/2" Plug Valve, 1,500 Lb., Forged Steel, Screwed.....	1,143.81 12.43
23 05 23 00-0369	EA	3/4" Plug Valve, 1,500 Lb., Forged Steel, Screwed.....	1,351.66 13.67
23 05 23 00-0370	EA	1" Plug Valve, 1,500 Lb., Forged Steel, Screwed.....	1,528.24 15.53
23 05 23 00-0371	EA	1-1/4" Plug Valve, 1,500 Lb., Forged Steel, Screwed.....	1,833.78 16.53
23 05 23 00-0372	EA	1-1/2" Plug Valve, 1,500 Lb., Forged Steel, Screwed.....	2,135.43 19.13
23 05 23 00-0373	EA	2" Plug Valve, 1,500 Lb., Forged Steel, Screwed.....	2,808.81 22.61
23 05 23 00-0374		Plug Valves, Eccentric, Cast Iron Flanged (23 05 23 00-0348)	
23 05 23 00-0375	EA	4" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI.....	1,220.65 326.09
23 05 23 00-0376	EA	6" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI.....	1,877.75 386.91
23 05 23 00-0377	EA	8" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI.....	2,554.96 494.39
23 05 23 00-0378	EA	10" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI.....	3,624.94 601.86
23 05 23 00-0379	EA	12" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI.....	4,681.71 730.82
23 05 23 00-0380		Foot Valves (23 05 23)	
23 05 23 00-0381		Single Poppet Foot Valves, Metal To Metal Seat Construction (23 05 23 00-0380)	
23 05 23 00-0382	EA	1" Single Poppet Foot Valve, Metal To Metal Seat Construction.....	100.33 31.08
23 05 23 00-0383	EA	1-1/4" Single Poppet Foot Valve, Metal To Metal Seat Construction.....	114.04 34.80
23 05 23 00-0384	EA	1-1/2" Single Poppet Foot Valve, Metal To Metal Seat Construction.....	145.76 39.78
23 05 23 00-0385	EA	2" Single Poppet Foot Valve, Metal To Metal Seat Construction.....	191.25 44.75
23 05 23 00-0386	EA	2-1/2" Single Poppet Foot Valve, Metal To Metal Seat Construction.....	433.81 73.34
23 05 23 00-0387	EA	3" Single Poppet Foot Valve, Metal To Metal Seat Construction.....	554.28 89.50
23 05 23 00-0388		Double Poppet Foot Valves, Metal To Metal Seat Construction (23 05 23 00-0380)	
23 05 23 00-0389	EA	1" Double Poppet Foot Valve, Metal To Metal Seat Construction.....	100.33 31.08
23 05 23 00-0390	EA	1-1/4" Double Poppet Foot Valve, Metal To Metal Seat Construction.....	212.15 34.80
23 05 23 00-0391	EA	1-1/2" Double Poppet Foot Valve, Metal To Metal Seat Construction.....	202.36 39.78
23 05 23 00-0392	EA	2" Double Poppet Foot Valve, Metal To Metal Seat Construction.....	274.22 44.75
23 05 23 00-0393	EA	3" Double Poppet Foot Valve, Metal To Metal Seat Construction.....	536.69 73.34
23 05 23 00-0394	EA	4" Double Poppet Foot Valve, Metal To Metal Seat Construction.....	728.84 88.26
23 05 23 00-0395		Float Valves (23 05 23)	
23 05 23 00-0396		Float Valve Assembly For Maintaining Liquid Level In Tanks (23 05 23 00-0395)	
23 05 23 00-0397		Single Seat, Bronze Construction (23 05 23 00-0396)	
		Note: For storage tanks, reservoirs, cooling towers and filtration plants.	
23 05 23 00-0398	EA	Inlet Size 1/2", Maximum PSI 100, Single Seat Float Valve.....	229.56 26.10
23 05 23 00-0399	EA	Inlet Size 3/4", Maximum PSI 100, Single Seat Float Valve.....	263.23 31.07
23 05 23 00-0400	EA	Inlet Size 1", Maximum PSI 100, Single Seat Float Valve.....	340.96 33.55

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0401	EA	Inlet Size 1-1/4", Maximum PSI 90, Single Seat Float Valve	567.86	42.25
23 05 23 00-0402	EA	Inlet Size 1-1/2", Maximum PSI 90, Single Seat Float Valve	580.29	48.46
23 05 23 00-0403		Double Seat, Bronze Construction (23 05 23 00-0396)		
		Note: For hot or cold water or oil to open tanks.		
23 05 23 00-0404	EA	Pipe Size 1/2" Maximum PSI 150, Double Seat Float Valve.....	1,222.60	26.10
23 05 23 00-0405	EA	Pipe Size 3/4" Maximum PSI 150, Double Seat Float Valve.....	1,232.54	31.07
23 05 23 00-0406	EA	Pipe Size 1" Maximum PSI 150, Double Seat Float Valve.....	1,422.48	33.55
23 05 23 00-0407	EA	Pipe Size 1-1/4" Maximum PSI 150, Double Seat Float Valve	1,572.87	42.25
23 05 23 00-0408	EA	Pipe Size 1-1/2" Maximum PSI 150, Double Seat Float Valve	1,798.10	48.46
23 05 23 00-0409	EA	Pipe Size 2" Maximum PSI 150, Double Seat Float Valve.....	2,358.15	57.16
23 05 23 00-0410	EA	Pipe Size 2-1/2" Maximum PSI 150, Double Seat Float Valve	2,743.05	76.66
23 05 23 00-0411	EA	Pipe Size 3" Maximum PSI 150, Double Seat Float Valve.....	3,299.08	88.10
23 05 23 00-0412		Float Valve Single Seated Balanced For Air Oil Or Water (23 05 23 00-0395)		
		Note: Includes arm, ball and bracket.		
23 05 23 00-0413		Brass Body Threaded Ends (23 05 23 00-0412)		
23 05 23 00-0414	EA	1/2" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket.....	244.38	33.67
23 05 23 00-0415	EA	3/4" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket.....	276.19	37.40
23 05 23 00-0416	EA	1" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket.....	341.30	41.38
23 05 23 00-0417	EA	1-1/4" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket	545.65	66.86
23 05 23 00-0418	EA	1-1/2" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket	572.48	76.18
23 05 23 00-0419	EA	2" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket.....	645.94	94.44
23 05 23 00-0420		Cast Iron Body Flanged (23 05 23 00-0412)		
23 05 23 00-0421	EA	2-1/2" Cast Iron Body, Flanged, Float Valve, Single Seated With Arm Ball And Bracket.....	7,687.50	165.91
23 05 23 00-0422	EA	3" Cast Iron Body, Flanged, Float Valve, Single Seated With Arm Ball And Bracket.....	9,295.03	194.52
23 05 23 00-0423		Float Operated Valves (23 05 23 00-0395)		
23 05 23 00-0424		For Condensate Receivers Tanks And Vessels (23 05 23 00-0423)		
		Note: Cast iron body, self-contained, float in-line mount.		
23 05 23 00-0425	EA	1" Inlet, Float Operated Valve, Single Seated With Arm Ball And Bracket.....	861.55	58.40
23 05 23 00-0426		For Condensate Receivers Tanks And Vessels (23 05 23 00-0423)		
		Note: Cast iron body, external float tank mount, flanged.		
23 05 23 00-0427	EA	3/4" Inlet, Float Operated Valve, Single Seated With Arm Ball And Bracket.....	1,087.78	108.70
23 05 23 00-0428		Needle Valves (23 05 23)		
23 05 23 00-0429		Bronze Needle Valve (23 05 23 00-0428)		
		Note: For heating and cooling applications.		
23 05 23 00-0430	EA	1/4" Needle Valve, Bronze.....	120.02	12.43
23 05 23 00-0431	EA	3/8" Needle Valve, Bronze	133.74	12.43
23 05 23 00-0432	EA	1/2" Needle Valve, Bronze	146.23	12.43
23 05 23 00-0433	EA	3/4" Needle Valve, Bronze	221.66	13.67
23 05 23 00-0434	EA	1" Needle Valve, Bronze.....	338.85	15.53
23 05 23 00-0435		Eccentric Valves With Taps (23 05 23)		
23 05 23 00-0436		Screwed Eccentric Valves With Taps (23 05 23 00-0435)		
23 05 23 00-0437	EA	1/2" Diameter Eccentric Valves With Taps, Screwed.....	486.58	12.43
23 05 23 00-0438	EA	3/4" Diameter Eccentric Valves With Taps, Screwed.....	507.38	13.67
23 05 23 00-0439	EA	1" Diameter Eccentric Valves With Taps, Screwed	642.41	15.53
23 05 23 00-0440	EA	1-1/4" Diameter Eccentric Valves With Taps, Screwed	776.62	16.53
23 05 23 00-0441	EA	1-1/2" Diameter Eccentric Valves With Taps, Screwed	844.32	19.13
23 05 23 00-0442	EA	2" Diameter Eccentric Valves With Taps, Screwed	992.22	22.61
23 05 23 00-0443	EA	2-1/2" Diameter Eccentric Valves With Taps, Screwed	1,512.65	30.55
23 05 23 00-0444	EA	3" Diameter Eccentric Valves With Taps, Screwed	1,845.23	35.47
23 05 23 00-0445		Flanged Eccentric Valves With Taps (23 05 23 00-0435)		
23 05 23 00-0446	EA	2-1/2" Diameter Eccentric Valves With Taps, Flanged	1,822.28	165.91
23 05 23 00-0447	EA	3" Diameter Eccentric Valves With Taps, Flanged.....	2,166.80	194.52
23 05 23 00-0448	EA	4" Diameter Eccentric Valves With Taps, Flanged.....	2,847.19	326.09
23 05 23 00-0449	EA	5" Diameter Eccentric Valves With Taps, Flanged.....	3,869.17	348.22
23 05 23 00-0450	EA	6" Diameter Eccentric Valves With Taps, Flanged.....	4,950.31	386.91
23 05 23 00-0451	EA	8" Diameter Eccentric Valves With Taps, Flanged.....	8,685.36	494.39
23 05 23 00-0452	EA	10" Diameter Eccentric Valves With Taps, Flanged.....	12,258.10	601.86
23 05 23 00-0453	EA	12" Diameter Eccentric Valves With Taps, Flanged.....	21,347.54	730.82
23 05 23 00-0454		Earthquake-Sensitive Gas Shut-Off Valves (23 05 23)		
23 05 23 00-0455		0.5 PSI Threaded Earthquake Gas Shutoff Valves (23 05 23 00-0454)		
23 05 23 00-0456	EA	3/4" Diameter Threaded, 0.5 PSI Earthquake Gas Shutoff Valve.....	173.82	13.67
23 05 23 00-0457	EA	1" Diameter Threaded, 0.5 PSI Earthquake Gas Shutoff Valve	197.29	15.53

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 05 23 00-0458		7 PSI Threaded Earthquake Gas Shutoff Valves (23 05 23 00-0454)			
23 05 23 00-0459	EA	1-1/4" Diameter Threaded, 7 PSI Earthquake Gas Shutoff Valve.....	231.22		16.53
23 05 23 00-0460	EA	1-1/2" Diameter Threaded, 7 PSI Earthquake Gas Shutoff Valve.....	309.91		19.13
23 05 23 00-0461		60 PSI Threaded Earthquake Gas Shutoff Valves (23 05 23 00-0454)			
23 05 23 00-0462	EA	3/4" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	213.39		13.67
23 05 23 00-0463	EA	1" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	224.77		15.53
23 05 23 00-0464	EA	1-1/4" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve.....	253.20		16.53
23 05 23 00-0465	EA	1-1/2" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve.....	342.89		19.13
23 05 23 00-0466	EA	2" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	772.43		22.61
23 05 23 00-0467	EA	2-1/2" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve.....	921.41		30.44
23 05 23 00-0468	EA	3" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve.....	1,192.70		35.47
23 05 23 00-0469	EA	4" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve.....	1,381.78		40.04
23 05 23 00-0470		60 PSI Flanged Earthquake Gas Shutoff Valves (23 05 23 00-0454)			
23 05 23 00-0471	EA	2" Flanged, 60 PSI Earthquake Gas Shutoff Valve.....	1,086.38		165.65
23 05 23 00-0472	EA	3" Flanged, 60 PSI Earthquake Gas Shutoff Valve.....	1,337.05		194.52
23 05 23 00-0473	EA	4" Flanged, 60 PSI Earthquake Gas Shutoff Valve.....	1,892.43		326.09
23 05 23 00-0474	EA	6" Flanged, 60 PSI Earthquake Gas Shutoff Valve.....	3,068.26		386.91
23 05 23 00-0475	EA	8" Flanged, 60 PSI Earthquake Gas Shutoff Valve.....	8,197.93		494.39
23 05 23 00-0476		Emergency Shut-Off Valve With Fusible Link (23 05 23)			
23 05 23 00-0477		Threaded, Fusible Brass Gate Valves (Morrison Bros. 939) (23 05 23 00-0476)			
Note: Brass globe/gate valve used to shut off product flow in the event of a fire. Fusible element in the handwheel automatically closes the valve when in contact with 165° F.					
23 05 23 00-0478	EA	1/4" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series).....	88.61		20.01
For Work In Restricted Working Space, Add			10.85		
23 05 23 00-0479	EA	3/8" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series).....	90.56		21.12
For Work In Restricted Working Space, Add			11.44		
23 05 23 00-0480	EA	1/2" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series).....	147.97		20.01
For Work In Restricted Working Space, Add			12.03		
23 05 23 00-0481	EA	3/4" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series).....	293.57		26.96
For Work In Restricted Working Space, Add			16.21		
23 05 23 00-0482	EA	1" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series).....	744.54		32.68
For Work In Restricted Working Space, Add			19.62		
23 05 23 00-0483		Threaded, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI) (23 05 23 00-0476)			
Note: Ductile iron body, cap, seat and swing arm. Viton® encapsulated Teflon® o-ring, Teflon® gasket, and stainless steel spring.					
23 05 23 00-0484	EA	1-1/2" Diameter Threaded, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI).....	564.69		19.13
23 05 23 00-0485	EA	2" Diameter Threaded, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI).....	608.53		22.61
23 05 23 00-0486	EA	3" Diameter Threaded, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI).....	1,022.99		35.47
23 05 23 00-0487		Flanged, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI) (23 05 23 00-0476)			
Note: Ductile iron body, cap, seat and swing arm. Viton® encapsulated Teflon® o-ring, Teflon® gasket, and stainless steel spring.					
23 05 23 00-0488	EA	2" Diameter Flanged, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI).....	709.03		165.65
23 05 23 00-0489	EA	3" Diameter Flanged, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI).....	1,142.99		194.52
23 05 23 00-0490	EA	4" Diameter Flanged, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI).....	2,595.72		326.09
23 05 23 00-0491		Check Valves (23 05 23)			
23 05 23 00-0492		Iron Body Wafer Type Check Valve (23 05 23 00-0491)			
23 05 23 00-0493		Single Disk Type (23 05 23 00-0492)			
23 05 23 00-0494	EA	2" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 Lb.	490.68		165.71
For 200 Lb. Rating, Add			70.88		
For 150 Lb. Rating, Add			59.54		
For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add			169.01		
For 300 Lb. Rating, Add			85.05		
23 05 23 00-0495	EA	2-1/2" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 Lb.	579.58		166.00
For 200 Lb. Rating, Add			92.86		
For 150 Lb. Rating, Add			78.00		
For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add			208.78		
For 300 Lb. Rating, Add			111.43		
23 05 23 00-0496	EA	3" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 Lb.	713.07		194.62
For 200 Lb. Rating, Add			117.38		
For 150 Lb. Rating, Add			98.60		
For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add			259.99		
For 300 Lb. Rating, Add			140.85		
23 05 23 00-0497	EA	4" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 Lb.	1,044.76		326.26
For 200 Lb. Rating, Add			158.98		
For 150 Lb. Rating, Add			133.54		
For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add			367.93		
For 300 Lb. Rating, Add			190.77		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0498	EA		6" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 Lb.....	1,568.43	457.92
			For 200 Lb. Rating, Add	249.01	
			For 150 Lb. Rating, Add	209.17	
			For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	562.70	
			For 300 Lb. Rating, Add	298.61	
23 05 23 00-0499	EA		8" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 Lb.....	2,184.41	526.60
			For 200 Lb. Rating, Add	382.14	
			For 150 Lb. Rating, Add	320.99	
			For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	819.02	
			For 300 Lb. Rating, Add	458.56	
23 05 23 00-0500	EA		10" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 Lb.....	3,248.60	641.09
			For 200 Lb. Rating, Add	610.35	
			For 150 Lb. Rating, Add	512.69	
			For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	1,260.07	
			For 300 Lb. Rating, Add	732.41	
23 05 23 00-0501 Twin Disc Type (23 05 23 00-0492)					
23 05 23 00-0502	EA		2" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 Lb.	664.07	165.71
			For 200 Lb. Rating, Add	114.22	
			For 150 Lb. Rating, Add	95.95	
			For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	247.04	
			For 300 Lb. Rating, Add	137.07	
23 05 23 00-0503	EA		2-1/2" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 Lb.....	756.46	166.00
			For 200 Lb. Rating, Add	137.08	
			For 150 Lb. Rating, Add	115.15	
			For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	288.37	
			For 300 Lb. Rating, Add	164.50	
23 05 23 00-0504	EA		3" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 Lb.	883.33	194.62
			For 200 Lb. Rating, Add	159.94	
			For 150 Lb. Rating, Add	134.35	
			For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	336.61	
			For 300 Lb. Rating, Add	191.93	
23 05 23 00-0505	EA		4" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 Lb.	1,221.31	326.26
			For 200 Lb. Rating, Add	203.11	
			For 150 Lb. Rating, Add	170.61	
			For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	447.37	
			For 300 Lb. Rating, Add	243.74	
23 05 23 00-0506	EA		6" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 Lb.	1,882.49	457.92
			For 200 Lb. Rating, Add	327.53	
			For 150 Lb. Rating, Add	275.12	
			For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	704.02	
			For 300 Lb. Rating, Add	393.03	
23 05 23 00-0507	EA		8" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 Lb.	2,654.91	526.60
			For 200 Lb. Rating, Add	500.19	
			For 150 Lb. Rating, Add	420.16	
			For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	1,031.17	
			For 300 Lb. Rating, Add	600.23	
23 05 23 00-0508	EA		10" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 Lb.	3,970.25	629.63
			For 200 Lb. Rating, Add	792.15	
			For 150 Lb. Rating, Add	665.40	
			For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	1,586.20	
			For 300 Lb. Rating, Add	950.57	
23 05 23 00-0509	EA		12" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 Lb.	5,215.37	778.45
			For 200 Lb. Rating, Add	1,061.30	
			For 150 Lb. Rating, Add	891.49	
			For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	2,104.38	
			For 300 Lb. Rating, Add	1,273.56	
23 05 23 00-0510	EA		14" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 Lb.	9,846.04	910.18
			For 200 Lb. Rating, Add	2,158.12	
			For 150 Lb. Rating, Add	1,812.82	
			For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	4,127.32	
			For 300 Lb. Rating, Add	2,589.74	
23 05 23 00-0511	EA		16" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 Lb.	13,521.96	1,067.95
			For 200 Lb. Rating, Add	3,046.76	
			For 150 Lb. Rating, Add	2,559.27	
			For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	5,751.15	
			For 300 Lb. Rating, Add	3,656.11	
23 05 23 00-0512	EA		18" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 Lb.	18,030.14	1,189.31
			For 200 Lb. Rating, Add	4,136.72	
			For 150 Lb. Rating, Add	3,474.84	
			For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	7,742.75	
			For 300 Lb. Rating, Add	4,964.06	
23 05 23 00-0513	EA		20" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 Lb.	21,456.67	1,334.94
			For 200 Lb. Rating, Add	4,947.00	
			For 150 Lb. Rating, Add	4,155.48	
			For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	9,238.33	
			For 300 Lb. Rating, Add	5,936.40	
23 05 23 00-0514	EA		24" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 Lb.	28,054.50	1,638.33
			For 200 Lb. Rating, Add	6,500.19	
			For 150 Lb. Rating, Add	5,460.16	
			For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	12,111.09	
			For 300 Lb. Rating, Add	7,800.23	
23 05 23 00-0515 Lift Check Valves (23 05 23 00-0491)					
23 05 23 00-0516 Bronze Body, Threaded, Vertical Lift Check Valves (23 05 23 00-0515)					
Note: Watts #600 series.					
23 05 23 00-0517	EA		3/8" Lift Check Valve, Bronze, Threaded.....	123.54	12.43

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**
 MINOR
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 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 05 23 00-0518	EA	1/2" Lift Check Valve, Bronze, Threaded	130.72	12.43
23 05 23 00-0519	EA	3/4" Lift Check Valve, Bronze, Threaded	166.90	13.04
23 05 23 00-0520	EA	1" Lift Check Valve, Bronze, Threaded	219.45	13.04
23 05 23 00-0521	EA	1-1/4" Lift Check Valve, Bronze, Threaded	303.65	16.53
23 05 23 00-0522	EA	1-1/2" Lift Check Valve, Bronze, Threaded	369.00	19.13
23 05 23 00-0523	EA	2" Lift Check Valve, Bronze, Threaded	524.06	22.61

23 05 23 00-0524 Bronze Body, Threaded, 300 Lb., Lift Check Valves (23 05 23 00-0515)

Note: Crane 366E.

23 05 23 00-0525	EA	1/2" Lift Check Valve, Bronze, Threaded, 300 Lb.	749.95	12.43
23 05 23 00-0526	EA	3/4" Lift Check Valve, Bronze, Threaded, 300 Lb.	911.37	13.04
23 05 23 00-0527	EA	1" Lift Check Valve, Bronze, Threaded, 300 Lb.	1,632.65	13.04
23 05 23 00-0528	EA	1-1/4" Lift Check Valve, Bronze, Threaded, 300 Lb.	2,175.57	16.53
23 05 23 00-0529	EA	1-1/2" Lift Check Valve, Bronze, Threaded, 300 Lb.	2,363.50	19.13
23 05 23 00-0530	EA	2" Lift Check Valve, Bronze, Threaded, 300 Lb.	3,035.38	22.61

23 05 23 00-0531 Iron Body, Flanged, 125 Lb. Vertical Lift Check Valves (23 05 23 00-0515)

Note: Mueller 105MAP.

23 05 23 00-0532	EA	2" Lift Check Valve, Iron Body, Flanged, 125 Lb.	1,106.96	165.65
23 05 23 00-0533	EA	2-1/2" Lift Check Valve, Iron Body, Flanged, 125 Lb.	1,848.68	165.91
23 05 23 00-0534	EA	3" Lift Check Valve, Iron Body, Flanged, 125 Lb.	2,012.44	194.52
23 05 23 00-0535	EA	4" Lift Check Valve, Iron Body, Flanged, 125 Lb.	2,785.91	326.09
23 05 23 00-0536	EA	5" Lift Check Valve, Iron Body, Flanged, 125 Lb.	3,492.68	348.22
23 05 23 00-0537	EA	6" Lift Check Valve, Iron Body, Flanged, 125 Lb.	4,316.34	386.91
23 05 23 00-0538	EA	8" Lift Check Valve, Iron Body, Flanged, 125 Lb.	7,625.93	494.39
23 05 23 00-0539	EA	10" Lift Check Valve, Iron Body, Flanged, 125 Lb.	9,580.54	601.86
23 05 23 00-0540	EA	12" Lift Check Valve, Iron Body, Flanged, 125 Lb.	15,599.56	730.82
23 05 23 00-0541	EA	14" Lift Check Valve, Iron Body, Flanged, 125 Lb.	21,296.56	1,028.15
23 05 23 00-0542	EA	16" Lift Check Valve, Iron Body, Flanged, 125 Lb.	23,601.44	1,130.97

23 05 23 00-0543 Bronze Body Swing Check Valves (23 05 23 00-0491)**23 05 23 00-0544 Bronze Body, Threaded, Brazed Or Soldered Installation, 125 Lb., Swing Check Valves** (23 05 23 00-0543)

23 05 23 00-0545	EA	1/8" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 Lb.	84.96	12.43
		For 300 Lb. Rating, Add	17.50	
		For Work In Restricted Working Space, Add	12.03	
23 05 23 00-0546	EA	1/4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 Lb.	81.05	12.43
		For 300 Lb. Rating, Add	17.50	
		For Work In Restricted Working Space, Add	10.85	
23 05 23 00-0547	EA	3/8" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 Lb.	82.95	12.43
		For 300 Lb. Rating, Add	17.50	
		For Work In Restricted Working Space, Add	11.42	
23 05 23 00-0548	EA	1/2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 Lb.	86.71	12.43
		For 300 Lb. Rating, Add	18.18	
		For Work In Restricted Working Space, Add	12.03	
23 05 23 00-0549	EA	3/4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 Lb.	110.51	13.04
		For 300 Lb. Rating, Add	22.03	
		For Work In Restricted Working Space, Add	16.21	
23 05 23 00-0550	EA	1" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 Lb.	142.11	13.04
		For 300 Lb. Rating, Add	29.92	
		For Work In Restricted Working Space, Add	19.62	
23 05 23 00-0551	EA	1-1/4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 Lb.	190.51	16.53
		For 300 Lb. Rating, Add	41.99	
		For Work In Restricted Working Space, Add	24.85	
23 05 23 00-0552	EA	1-1/2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 Lb.	246.37	19.13
		For 300 Lb. Rating, Add	58.80	
		For Work In Restricted Working Space, Add	28.68	
23 05 23 00-0553	EA	2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 Lb.	306.83	22.61
		For 300 Lb. Rating, Add	75.61	
		For Work In Restricted Working Space, Add	33.89	
23 05 23 00-0554	EA	2-1/2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 Lb.	598.21	30.55
		For 300 Lb. Rating, Add	173.80	
		For Work In Restricted Working Space, Add	45.77	
23 05 23 00-0555	EA	3" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 Lb.	809.85	35.47
		For 300 Lb. Rating, Add	247.19	
		For Work In Restricted Working Space, Add	52.81	
23 05 23 00-0556	EA	4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 Lb.	917.48	40.04
		For 300 Lb. Rating, Add	279.72	
		For Work In Restricted Working Space, Add	60.07	

23 05 23 00-0557 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves (23 05 23 00-0491)

23 05 23 00-0558	EA	1" 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves	584.97	93.19
		For 150 Lb. Rating, Add	318.06	
		For 250 Lb. Rating, Add	608.06	
		For Work In Restricted Working Space, Add	35.17	
23 05 23 00-0559	EA	1-1/4" 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves	650.37	108.73
		For 150 Lb. Rating, Add	350.40	
		For 250 Lb. Rating, Add	669.89	
		For Work In Restricted Working Space, Add	40.52	
23 05 23 00-0560	EA	1-1/2" 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves	722.40	130.47
		For 150 Lb. Rating, Add	380.05	
		For 250 Lb. Rating, Add	726.57	
		For Work In Restricted Working Space, Add	49.05	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0561	EA	2" 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves	901.25	165.65
		For 150 Lb. Rating, Add	472.02	
		For 250 Lb. Rating, Add	902.40	
		For Work In Restricted Working Space, Add	62.13	
23 05 23 00-0562	EA	2-1/2" 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves	1,018.16	165.91
		For 150 Lb. Rating, Add	550.88	
		For 250 Lb. Rating, Add	1,053.16	
		For Work In Restricted Working Space, Add	62.41	
23 05 23 00-0563	EA	3" 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves	1,123.80	194.52
		For 150 Lb. Rating, Add	598.64	
		For 250 Lb. Rating, Add	1,144.46	
		For Work In Restricted Working Space, Add	73.04	
23 05 23 00-0564	EA	4" 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves	1,769.18	326.09
		For 150 Lb. Rating, Add	925.16	
		For 250 Lb. Rating, Add	1,768.69	
		For Work In Restricted Working Space, Add	122.60	
23 05 23 00-0565	EA	5" 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves	2,432.14	348.22
		For 150 Lb. Rating, Add	1,358.32	
		For 250 Lb. Rating, Add	2,596.79	
		For Work In Restricted Working Space, Add	130.38	
23 05 23 00-0566	EA	6" 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves	2,801.43	386.91
		For 150 Lb. Rating, Add	1,574.91	
		For 250 Lb. Rating, Add	3,010.87	
		For Work In Restricted Working Space, Add	145.61	
23 05 23 00-0567	EA	8" 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves	6,396.45	494.39
		For 150 Lb. Rating, Add	3,931.97	
		For 250 Lb. Rating, Add	7,517.00	
		For Work In Restricted Working Space, Add	184.24	
23 05 23 00-0568	EA	10" 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves	8,623.28	601.86
		For 150 Lb. Rating, Add	5,352.25	
		For 250 Lb. Rating, Add	10,232.25	
		For Work In Restricted Working Space, Add	225.70	
23 05 23 00-0569	EA	12" 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves	13,186.30	730.82
		For 150 Lb. Rating, Add	8,346.59	
		For 250 Lb. Rating, Add	15,956.71	
		For Work In Restricted Working Space, Add	273.57	
23 05 23 00-0570	EA	14" 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves	15,181.47	1,028.15
		For 150 Lb. Rating, Add	9,449.47	
		For 250 Lb. Rating, Add	18,065.16	
		For Work In Restricted Working Space, Add	385.56	
23 05 23 00-0571	EA	16" 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves	21,653.55	1,130.97
		For 150 Lb. Rating, Add	13,763.09	
		For 250 Lb. Rating, Add	26,311.79	
		For Work In Restricted Working Space, Add	424.11	
23 05 23 00-0572	EA	18" 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves	33,379.27	1,254.34
		For 150 Lb. Rating, Add	21,631.71	
		For 250 Lb. Rating, Add	41,354.74	
		For Work In Restricted Working Space, Add	470.38	
23 05 23 00-0573	EA	20" 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves	46,043.19	1,413.71
		For 150 Lb. Rating, Add	30,107.71	
		For 250 Lb. Rating, Add	57,558.87	
		For Work In Restricted Working Space, Add	530.14	
23 05 23 00-0574	EA	24" 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves	64,152.44	1,735.01
		For 150 Lb. Rating, Add	42,148.91	
		For 250 Lb. Rating, Add	80,578.80	
		For Work In Restricted Working Space, Add	650.63	
23 05 23 00-0575		Class 800 Forged Steel, Screwed, Chrome Trim, Bolted Bonnet, Piston		
		Check, Swing Check Valves (23 05 23 00-0491)		
		Note: 800 PSIG at 850 Degrees F.		
23 05 23 00-0576	EA	1/2" Class 800, Threaded, Forged Steel Swing Check Valve	195.46	12.43
		For Work In Restricted Working Space, Add	12.03	
23 05 23 00-0577	EA	3/4" 800, Threaded, Forged Steel Swing Check Valve	230.43	13.67
		For Work In Restricted Working Space, Add	16.21	
23 05 23 00-0578	EA	1" Class 800, Threaded, Forged Steel Swing Check Valve	272.56	15.53
		For Work In Restricted Working Space, Add	19.62	
23 05 23 00-0579	EA	1-1/4" Class 800, Threaded, Forged Steel Swing Check Valve	421.64	16.53
		For Work In Restricted Working Space, Add	24.85	
23 05 23 00-0580	EA	1-1/2" 800, Threaded, Forged Steel Swing Check Valve	500.21	19.13
		For Work In Restricted Working Space, Add	28.68	
23 05 23 00-0581	EA	2" Class 800, Threaded, Forged Steel Swing Check Valve	676.20	22.61
		For Work In Restricted Working Space, Add	33.89	
23 05 23 00-0582		Plastic Check Valve (23 05 23 00-0491)		
23 05 23 00-0583		Polyvinyl Chloride (PVC) Check Valve (23 05 23 00-0582)		
23 05 23 00-0584		Polyvinyl Chloride (PVC) "Y" Check Valve (23 05 23 00-0583)		
23 05 23 00-0585	EA	1/2" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Threaded Or Socket	98.11	12.43
23 05 23 00-0586	EA	3/4" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Threaded Or Socket	116.32	13.67
23 05 23 00-0587	EA	1" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Threaded Or Socket	133.78	15.53
23 05 23 00-0588	EA	1-1/4" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Threaded Or Socket	190.33	16.53
23 05 23 00-0589	EA	1-1/2" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Threaded Or Socket	212.04	19.13
23 05 23 00-0590	EA	2" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Threaded Or Socket	353.35	20.82
23 05 23 00-0591	EA	2-1/2" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Threaded Or Socket	440.20	30.55
23 05 23 00-0592	EA	3" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Threaded Or Socket	482.58	35.47
23 05 23 00-0593	EA	4" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Threaded Or Socket	701.86	40.04

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 05 23 00-0594 EA 3" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Flanged.....673.41 194.52

23 05 23 00-0595 Polyvinyl Chloride (PVC) True Union Ball Check Valve (23 05 23 00-0583)

23 05 23 00-0596 Valves (23 05 23 00-0595)

23 05 23 00-0597	EA	1/2" Polyvinyl Chloride (PVC) True Union Ball Check Valve.....	74.92	12.43
23 05 23 00-0598	EA	3/4" Polyvinyl Chloride (PVC) True Union Ball Check Valve.....	93.83	13.67
23 05 23 00-0599	EA	1" Polyvinyl Chloride (PVC) True Union Ball Check Valve.....	115.16	15.53
23 05 23 00-0600	EA	1-1/4" Polyvinyl Chloride (PVC) True Union Ball Check Valve.....	149.19	16.53
23 05 23 00-0601	EA	1-1/2" Polyvinyl Chloride (PVC) True Union Ball Check Valve.....	175.21	19.13
23 05 23 00-0602	EA	2" Polyvinyl Chloride (PVC) True Union Ball Check Valve.....	257.29	22.61
23 05 23 00-0603	EA	3" Polyvinyl Chloride (PVC) True Union Ball Check Valve.....	419.63	30.55
23 05 23 00-0604	EA	4" Polyvinyl Chloride (PVC) True Union Ball Check Valve.....	711.82	35.47

23 05 23 00-0605 Foot Valve Screen (23 05 23 00-0595)

Note: For use with PVC true union ball check valves above.

23 05 23 00-0606	EA	1/2" Foot Valve Screen Option.....	59.16	
23 05 23 00-0607	EA	3/4" Foot Valve Screen Option.....	70.74	
23 05 23 00-0608	EA	1" Foot Valve Screen Option.....	81.97	
23 05 23 00-0609	EA	1-1/4" Foot Valve Screen Option	123.75	
23 05 23 00-0610	EA	1-1/2" Foot Valve Screen Option	136.92	
23 05 23 00-0611	EA	2" Foot Valve Screen Option.....	148.15	
23 05 23 00-0612	EA	2-1/2" Foot Valve Screen Option	176.76	
23 05 23 00-0613	EA	3" Foot Valve Screen Option.....	205.38	
23 05 23 00-0614	EA	4" Foot Valve Screen Option.....	249.26	

23 05 23 00-0615 Hayward "True Check" With VITON Seals (23 05 23 00-0595)

23 05 23 00-0616	EA	1/4" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded.....	67.70	12.43
23 05 23 00-0617	EA	3/8" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded.....	69.60	12.43
23 05 23 00-0618	EA	1/2" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded.....	75.75	12.43
23 05 23 00-0619	EA	3/4" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded.....	93.75	13.67
23 05 23 00-0620	EA	1" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded.....	116.33	15.53
23 05 23 00-0621	EA	1-1/4" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	149.11	16.53
23 05 23 00-0622	EA	1-1/2" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	180.19	19.13
23 05 23 00-0623	EA	2" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded.....	225.77	22.61
23 05 23 00-0624	EA	2-1/2" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	414.65	30.55
23 05 23 00-0625	EA	3" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded.....	454.71	35.47
23 05 23 00-0626	EA	4" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded.....	715.30	40.04

23 05 23 00-0627 Hayward "True Check" With Ethylene Propylene Diene Monomer (EPDM)
Seals (23 05 23 00-0595)

23 05 23 00-0628	EA	1/2" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded.....	71.61	12.43
23 05 23 00-0629	EA	3/4" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded.....	89.68	13.67
23 05 23 00-0630	EA	1" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded.....	110.69	15.53
23 05 23 00-0631	EA	1-1/4" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	142.97	16.53
23 05 23 00-0632	EA	1-1/2" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	168.91	19.13
23 05 23 00-0633	EA	2" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded.....	215.82	22.61
23 05 23 00-0634	EA	2-1/2" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	399.72	30.55
23 05 23 00-0635	EA	3" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded.....	442.27	35.47
23 05 23 00-0636	EA	4" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded.....	696.22	40.04

23 05 23 00-0637 Polyvinyl Chloride (PVC) Check Valve, Ethylene Propylene Diene
Monomer (EPDM) Housing, Flanged (23 05 23 00-0583)

23 05 23 00-0638	EA	1" Thermoplastic Check Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing	351.13	74.56
23 05 23 00-0639	EA	1-1/4" Thermoplastic Check Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing	382.76	86.98
23 05 23 00-0640	EA	1-1/2" Thermoplastic Check Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing	421.10	108.73
23 05 23 00-0641	EA	2" Thermoplastic Check Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing	513.69	136.69
23 05 23 00-0642	EA	2-1/2" Thermoplastic Check Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing	617.59	137.38
23 05 23 00-0643	EA	3" Thermoplastic Check Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing	842.21	160.27
23 05 23 00-0644	EA	4" Thermoplastic Check Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing	1,166.36	271.89
23 05 23 00-0645	EA	6" Thermoplastic Check Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing	1,917.25	457.92

23 05 23 00-0646 Swing Check Valves, 150 Lb. Polyvinyl Chloride (PVC) Socket Weld End
Connections (23 05 23 00-0582)

23 05 23 00-0647	EA	1/2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 Lb.	74.18	12.43
		<i>For Work In Restricted Working Space, Add</i>	12.03	
23 05 23 00-0648	EA	3/4" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 Lb.	88.11	13.67
		<i>For Work In Restricted Working Space, Add</i>	16.21	
23 05 23 00-0649	EA	1" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 Lb.	100.83	15.53
		<i>For Work In Restricted Working Space, Add</i>	19.62	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0650	EA	1-1/4" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 Lb. <i>For Work In Restricted Working Space, Add</i>	119.74 24.85	16.53
23 05 23 00-0651	EA	1-1/2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 Lb. <i>For Work In Restricted Working Space, Add</i>	134.63 28.68	19.13
23 05 23 00-0652	EA	2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 Lb. <i>For Work In Restricted Working Space, Add</i>	173.66 33.89	22.61
23 05 23 00-0653	EA	2-1/2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 Lb. <i>For Work In Restricted Working Space, Add</i>	238.97 45.77	30.55
23 05 23 00-0654	EA	3" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 Lb. <i>For Work In Restricted Working Space, Add</i>	288.15 52.81	35.47
23 05 23 00-0655		Polyvinyl Chloride (PVC) Body, Swing Check Valves (23 05 23 00-0582)		
23 05 23 00-0656		Polyvinyl Chloride (PVC) Body, Swing Check Valves With Ethylene Propylene Diene Monomer (EPDM) Seals (23 05 23 00-0655)		
23 05 23 00-0657	EA	3" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals <i>For Work In Restricted Working Space, Add</i>	667.13 61.30	160.19
23 05 23 00-0658	EA	4" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals <i>For Work In Restricted Working Space, Add</i>	854.09 100.96	271.75
23 05 23 00-0659	EA	6" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals <i>For Work In Restricted Working Space, Add</i>	1,353.22 132.76	322.42
23 05 23 00-0660	EA	8" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals <i>For Work In Restricted Working Space, Add</i>	1,803.38 150.47	408.40
23 05 23 00-0661		Polyvinyl Chloride (PVC) Body, Swing Check Valves With Viton Seals (23 05 23 00-0655)		
23 05 23 00-0662	EA	3" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals <i>For Work In Restricted Working Space, Add</i>	786.56 61.30	160.19
23 05 23 00-0663	EA	4" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals <i>For Work In Restricted Working Space, Add</i>	1,117.83 100.96	271.75
23 05 23 00-0664	EA	6" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals <i>For Work In Restricted Working Space, Add</i>	1,603.04 132.76	322.42
23 05 23 00-0665	EA	8" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals <i>For Work In Restricted Working Space, Add</i>	2,101.96 150.47	408.40
23 05 23 00-0666		Polyvinyl Chloride (PVC) Body, Swing Check Valves With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter Weights (23 05 23 00-0655)		
23 05 23 00-0667	EA	3" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter weights..... <i>For Work In Restricted Working Space, Add</i>	818.08 61.30	160.19
23 05 23 00-0668	EA	4" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter weights..... <i>For Work In Restricted Working Space, Add</i>	1,120.32 100.96	271.75
23 05 23 00-0669	EA	6" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter weights..... <i>For Work In Restricted Working Space, Add</i>	1,492.56 132.76	322.42
23 05 23 00-0670	EA	8" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter weights..... <i>For Work In Restricted Working Space, Add</i>	1,918.17 150.47	408.40
23 05 23 00-0671		Polyvinyl Chloride (PVC) Body, Swing Check Valves With Viton Seals And Counter Weights (23 05 23 00-0655)		
23 05 23 00-0672	EA	3" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals And Counter Weights <i>For Work In Restricted Working Space, Add</i>	917.60 61.30	160.19
23 05 23 00-0673	EA	4" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals And Counter Weights <i>For Work In Restricted Working Space, Add</i>	1,265.47 100.96	271.75
23 05 23 00-0674	EA	6" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals And Counter Weights <i>For Work In Restricted Working Space, Add</i>	1,699.91 132.76	322.42
23 05 23 00-0675	EA	8" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals And Counter Weights <i>For Work In Restricted Working Space, Add</i>	2,166.99 150.47	408.40
23 05 23 00-0676		Diaphragm Valves (23 05 23)		
23 05 23 00-0677		Polytetrafluoroethylene (PTFE) Or Viton Lined, Threaded Cast Iron Diaphragm Valves (23 05 23 00-0676)		
23 05 23 00-0678	EA	1/2" Diaphragm Valve, Cast Iron, 150 Lb., Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	290.00	37.18
23 05 23 00-0679	EA	3/4" Diaphragm Valve, Cast Iron, 150 Lb., Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	371.86	41.19
23 05 23 00-0680	EA	1" Diaphragm Valve, Cast Iron, 150 Lb., Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	403.11	50.92
23 05 23 00-0681	EA	1-1/2" Diaphragm Valve, Cast Iron, 150 Lb., Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	640.04	76.09
23 05 23 00-0682	EA	2" Diaphragm Valve, Cast Iron, 150 Lb., Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	1,031.05	91.53
23 05 23 00-0683		Polytetrafluoroethylene (PTFE) Or Viton Lined, Flanged Cast Iron Diaphragm Valves (23 05 23 00-0676)		
23 05 23 00-0684	EA	1/2" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	422.09	59.65

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**
 MINOR
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 UNIT COST UNIT COST

23 05 23 00-0685	EA	3/4" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	494.26	62.13
23 05 23 00-0686	EA	1" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	579.58	93.19
23 05 23 00-0687	EA	1-1/2" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	882.68	130.47
23 05 23 00-0688	EA	2" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	1,425.35	165.65
23 05 23 00-0689	EA	2-1/2" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	1,842.81	165.91
23 05 23 00-0690	EA	3" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	2,294.65	194.52
23 05 23 00-0691	EA	4" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	3,224.47	326.09
23 05 23 00-0692	EA	6" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	6,793.83	386.91
23 05 23 00-0693	EA	8" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	10,617.80	494.39

23 05 23 00-0694 Ethylene Propylene Diene Monomer (EPDM) Lined, Threaded Cast Iron Diaphragm Valves
(23 05 23 00-0676)

23 05 23 00-0695	EA	1/2" Diaphragm Valve, Cast Iron, 150 Lb., Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	177.73	37.18
23 05 23 00-0696	EA	3/4" Diaphragm Valve, Cast Iron, 150 Lb., Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	232.98	41.19
23 05 23 00-0697	EA	1" Diaphragm Valve, Cast Iron, 150 Lb., Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	264.23	50.92
23 05 23 00-0698	EA	1-1/2" Diaphragm Valve, Cast Iron, 150 Lb., Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	450.92	76.09
23 05 23 00-0699	EA	2" Diaphragm Valve, Cast Iron, 150 Lb., Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	590.78	91.53

23 05 23 00-0700 Ethylene Propylene Diene Monomer (EPDM) Lined, Flanged Cast Iron Diaphragm Valves
(23 05 23 00-0676)

23 05 23 00-0701	EA	1/2" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	276.37	59.65
23 05 23 00-0702	EA	3/4" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	321.83	62.13
23 05 23 00-0703	EA	1" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	407.13	93.19
23 05 23 00-0704	EA	1-1/2" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	647.87	130.47
23 05 23 00-0705	EA	2" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	878.59	165.65
23 05 23 00-0706	EA	2-1/2" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	1,083.52	165.91
23 05 23 00-0707	EA	3" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	1,322.27	194.52
23 05 23 00-0708	EA	4" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	2,078.25	326.09
23 05 23 00-0709	EA	6" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	4,225.88	386.91
23 05 23 00-0710	EA	8" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	6,544.81	494.39

23 05 23 00-0711 125 Lb., Hand Wheel Operated, Flanged Cast Iron Diaphragm Valves
(23 05 23 00-0676)

23 05 23 00-0712	EA	1" Diameter, 125 Lb., Flanged, Cast Iron, Diaphragm Valve.....	527.63	93.19
23 05 23 00-0713	EA	1-1/2" Diameter, 125 Lb., Flanged, Cast Iron, Diaphragm Valve.....	863.60	130.47
23 05 23 00-0714	EA	2" Diameter, 125 Lb., Flanged, Cast Iron, Diaphragm Valve.....	1,166.71	165.65
23 05 23 00-0715	EA	2-1/2" Diameter, 125 Lb., Flanged, Cast Iron, Diaphragm Valve.....	1,704.77	165.91
23 05 23 00-0716	EA	3" Diameter, 125 Lb., Flanged, Cast Iron, Diaphragm Valve.....	1,878.99	194.52
23 05 23 00-0717	EA	4" Diameter, 125 Lb., Flanged, Cast Iron, Diaphragm Valve.....	2,937.40	326.09
23 05 23 00-0718	EA	6" Diameter, 125 Lb., Flanged, Cast Iron, Diaphragm Valve.....	5,977.41	386.91
23 05 23 00-0719	EA	8" Diameter, 125 Lb., Flanged, Cast Iron, Diaphragm Valve.....	12,575.84	494.39

23 05 23 00-0720 Solenoid Valves
(23 05 23)
23 05 23 00-0721 Bronze Body Solenoid Valves, 150 PSI Maximum Water Pressure
(23 05 23 00-0720)

23 05 23 00-0722	EA	1/4" Solenoid Valve, Bronze, 150 PSI, Water.....	138.09	12.43
23 05 23 00-0723	EA	1/2" Solenoid Valve, Bronze, 150 PSI, Water.....	160.25	12.43
23 05 23 00-0724	EA	3/4" Solenoid Valve, Bronze, 150 PSI, Water.....	205.13	13.67
23 05 23 00-0725	EA	1" Solenoid Valve, Bronze, 150 PSI, Water.....	302.08	15.53
23 05 23 00-0726	EA	1-1/2" Solenoid Valve, Bronze, 150 PSI, Water.....	532.53	19.13
23 05 23 00-0727	EA	2" Solenoid Valve, Bronze, 150 PSI, Water.....	833.37	22.61
23 05 23 00-0728	EA	2-1/2" Solenoid Valve, Bronze, 150 PSI, Water.....	1,135.06	30.55
23 05 23 00-0729	EA	3" Solenoid Valve, Bronze, 150 PSI, Water.....	1,645.99	35.47

23 05 23 00-0730 Flow Control Valves And Meters
(23 05 23)

MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0731 Conditioned Water Balancing Valves (23 05 23 00-0730)			
Note: Working pressures up to 300 PSIG. Iron and bronze body construction (combination balancing, flow measuring and shut-off). Excludes portable read-out meter.			
23 05 23 00-0732	EA 1/2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG.....	177.82	63.40
23 05 23 00-0733	EA 3/4" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG.....	213.41	84.53
23 05 23 00-0734	EA 1" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG.....	1,364.69	96.59
23 05 23 00-0735	EA 1-1/4" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG.....	1,469.78	119.34
23 05 23 00-0736	EA 1-1/2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG.....	1,573.71	126.80
23 05 23 00-0737	EA 2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG.....	1,683.68	144.95
23 05 23 00-0738	EA 2-1/2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG.....	2,989.97	252.31
23 05 23 00-0739	EA 3" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG.....	2,883.99	288.37
23 05 23 00-0740	EA 3" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG.....	2,912.76	194.62
23 05 23 00-0741	EA 4" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG.....	4,040.49	326.26
23 05 23 00-0742	EA 6" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG.....	6,306.68	412.12
23 05 23 00-0743	EA 8" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG.....	8,510.34	526.60
23 05 23 00-0744	EA 10" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG.....	12,159.21	641.09
23 05 23 00-0745 Read Out Meters (23 05 23 00-0730)			
Note: For use with conditioned portable water balancing valves.			
23 05 23 00-0746	EA 0.5 - 25% Accuracy Read Out Meter For Use With Portable Water Balancing Valve.....	1,338.74	
23 05 23 00-0747	EA 0.5 - 50% Accuracy Read Out Meter For Use With Portable Water Balancing Valve.....	1,811.71	
23 05 23 00-0748	EA 0.5 - 75% Accuracy Read Out Meter For Use With Portable Water Balancing Valve.....	1,811.71	
23 05 23 00-0749	EA 0.5 - 100% Accuracy Read Out Meter For Use With Portable Water Balancing Valve.....	1,811.71	
23 05 23 00-0750 Balancing Valves (23 05 23)			
23 05 23 00-0751 Balancing Valves With Lever (23 05 23 00-0750)			
Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.			
23 05 23 00-0752	EA 1/2" Threaded Balancing Valve With Lever.....	383.74	39.15
23 05 23 00-0753	EA 3/4" Threaded Balancing Valve With Lever.....	417.49	51.59
23 05 23 00-0754	EA 1" Threaded Balancing Valve With Lever.....	623.43	59.05
23 05 23 00-0755	EA 1-1/4" Threaded Balancing Valve With Lever.....	671.05	73.34
23 05 23 00-0756	EA 1-1/2" Threaded Balancing Valve With Lever.....	704.70	77.69
23 05 23 00-0757	EA 2" Threaded Balancing Valve With Lever.....	865.39	88.88
23 05 23 00-0758	EA 2-1/2" Flanged Balancing Valve With Lever.....	1,161.28	166.00
23 05 23 00-0759	EA 3" Flanged Balancing Valve With Lever.....	1,165.29	194.62
23 05 23 00-0760	EA 4" Flanged Balancing Valve With Lever.....	1,456.27	326.26
23 05 23 00-0761	EA 5" Flanged Balancing Valve With Lever.....	4,344.16	370.91
23 05 23 00-0762	EA 6" Flanged Balancing Valve With Lever.....	2,140.48	412.12
23 05 23 00-0763	EA 8" Flanged Balancing Valve With Lever.....	2,831.61	526.60
23 05 23 00-0764 Balancing Valves With Nut (23 05 23 00-0750)			
Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.			
23 05 23 00-0765	EA 4" Flanged Balancing Valve With Nut.....	1,456.27	326.26
23 05 23 00-0766	EA 5" Flanged Balancing Valve With Nut.....	4,344.16	370.91
23 05 23 00-0767	EA 6" Flanged Balancing Valve With Nut.....	2,140.48	412.12
23 05 23 00-0768	EA 8" Flanged Balancing Valve With Nut.....	2,831.61	526.60
23 05 23 00-0769 Balancing Valves With Hand Wheel (23 05 23 00-0750)			
Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.			
23 05 23 00-0770	EA 4" Flanged Balancing Valve With Hand Wheel.....	1,985.79	326.26
23 05 23 00-0771	EA 5" Flanged Balancing Valve With Hand Wheel.....	4,903.94	370.91
23 05 23 00-0772	EA 6" Flanged Balancing Valve With Hand Wheel.....	2,701.43	412.12
23 05 23 00-0773	EA 8" Flanged Balancing Valve With Hand Wheel.....	3,826.64	526.60
23 05 23 00-0774	EA 10" Flanged Balancing Valve With Hand Wheel.....	5,890.59	641.09
23 05 23 00-0775	EA 12" Flanged Balancing Valve With Hand Wheel.....	7,706.38	514.92
23 05 23 00-0776	EA 14" Flanged Balancing Valve With Hand Wheel.....	10,079.31	970.86
23 05 23 00-0777 Balancing Valves With Chain Wheel (23 05 23 00-0750)			
Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.			
23 05 23 00-0778	EA 4" Flanged Balancing Valve With Chain Wheel.....	2,289.54	326.26
23 05 23 00-0779	EA 5" Flanged Balancing Valve With Chain Wheel.....	5,203.03	370.91
23 05 23 00-0780	EA 6" Flanged Balancing Valve With Chain Wheel.....	2,999.36	412.12
23 05 23 00-0781	EA 8" Flanged Balancing Valve With Chain Wheel.....	4,193.24	526.60
23 05 23 00-0782	EA 10" Flanged Balancing Valve With Chain Wheel.....	6,246.71	641.09
23 05 23 00-0783	EA 12" Flanged Balancing Valve With Chain Wheel.....	8,371.22	514.56
23 05 23 00-0784	EA 14" Flanged Balancing Valve With Chain Wheel.....	10,680.99	970.86
23 05 23 00-0785 Calibrated Balancing Valves (23 05 23 00-0750)			
Note: Bell & Gossett CB Series.			
23 05 23 00-0786	EA 1/2" Brazed Or Soldered Calibrated Balancing Valve (CB-1/2S).....	145.46	12.43
23 05 23 00-0787	EA 3/4" Brazed Or Soldered Calibrated Balancing Valve (CB-3/4S).....	171.22	13.67
23 05 23 00-0788	EA 1" Brazed Or Soldered Calibrated Balancing Valve (CB-1S).....	193.88	15.53
23 05 23 00-0789	EA 1-1/4" Brazed Or Soldered Calibrated Balancing Valve (CB-1-1/4S).....	270.69	16.53
23 05 23 00-0790	EA 1-1/2" Brazed Or Soldered Calibrated Balancing Valve (CB-1-1/2S).....	317.67	19.14
23 05 23 00-0791	EA 2" Brazed Or Soldered Calibrated Balancing Valve (CB-2S).....	425.50	22.62

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 05 23 00-0792	EA	1" Threaded Calibrated Balancing Valve (CB-1).....	222.19	15.53
23 05 23 00-0793	EA	1-1/4" Threaded Calibrated Balancing Valve (CB-1-1/4)	302.41	16.53
23 05 23 00-0794	EA	1-1/2" Threaded Calibrated Balancing Valve (CB-1-1/2)	338.70	19.14
23 05 23 00-0795	EA	2" Threaded Calibrated Balancing Valve (CB-2)	455.06	22.62
23 05 23 00-0796	EA	2-1/2" Threaded Calibrated Balancing Valve (CB-2-1/2)	641.29	33.19
23 05 23 00-0797	EA	3" Threaded Calibrated Balancing Valve (CB-3)	1,112.65	38.54
23 05 23 00-0798	EA	2-1/2" Flanged Calibrated Balancing Valve (CB-2-1/2F)	1,052.55	180.25
23 05 23 00-0799	EA	3" Flanged Calibrated Balancing Valve (CB-3F)	1,821.60	211.33
23 05 23 00-0800	EA	4" Flanged Calibrated Balancing Valve (CB-4F)	2,736.67	354.28
23 05 23 00-0801	EA	5" Flanged Calibrated Balancing Valve (CB-5F)	3,770.10	402.76
23 05 23 00-0802	EA	6" Flanged Calibrated Balancing Valve (CB-6F)	4,771.49	447.51
23 05 23 00-0803	EA	8" Flanged Calibrated Balancing Valve (CB-8F)	7,543.89	571.82
23 05 23 00-0804	EA	10" Flanged Calibrated Balancing Valve (CB-10F)	12,364.17	679.60
23 05 23 00-0805	EA	12" Flanged Calibrated Balancing Valve (CB-12F)	26,073.52	825.23
23 05 23 00-0806	EA	4" Grooved Calibrated Balancing Valve (CB-4G)	3,115.51	42.79
23 05 23 00-0807	EA	5" Grooved Calibrated Balancing Valve (CB-5G)	3,613.72	54.81
23 05 23 00-0808	EA	6" Grooved Calibrated Balancing Valve (CB-6G)	4,783.11	70.29
23 05 23 00-0809	EA	8" Grooved Calibrated Balancing Valve (CB-8G)	8,968.93	89.21
23 05 23 00-0810	EA	10" Grooved Calibrated Balancing Valve (CB-10G)	14,312.58	99.95
23 05 23 00-0811	EA	12" Grooved Calibrated Balancing Valve (CB-12G)	29,503.41	121.87

23 05 23 00-0812 Butterfly Valves (23 05 23)**23 05 23 00-0813 Cast Iron Body, Iron Disc, 150 PSI, Wafer Type, Butterfly Valves** (23 05 23 00-0812)

Note: With on-off handle

23 05 23 00-0814	EA	2" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	477.05	165.65
		For Work In Restricted Working Space, Add	62.13	
		For 200 PSI, Add	129.58	
23 05 23 00-0815	EA	2-1/2" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	493.69	165.91
		For Work In Restricted Working Space, Add	62.41	
		For 200 PSI, Add	137.11	
23 05 23 00-0816	EA	3" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	551.07	194.52
		For Work In Restricted Working Space, Add	73.04	
		For 200 PSI, Add	147.66	
23 05 23 00-0817	EA	4" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	794.75	326.09
		For Work In Restricted Working Space, Add	122.60	
		For 200 PSI, Add	185.33	
23 05 23 00-0818	EA	5" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	1,034.70	386.91
		For Work In Restricted Working Space, Add	145.61	
		For 200 PSI, Add	263.67	
23 05 23 00-0819	EA	6" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	1,209.11	429.90
		For Work In Restricted Working Space, Add	161.21	
		For 200 PSI, Add	322.44	
23 05 23 00-0820	EA	8" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	1,624.89	494.39
		For Work In Restricted Working Space, Add	184.24	
		For 200 PSI, Add	485.16	
23 05 23 00-0821	EA	10" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	2,711.05	601.86
		For Work In Restricted Working Space, Add	225.70	
		For 200 PSI, Add	940.19	
23 05 23 00-0822	EA	12" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	3,407.40	730.82
		For Work In Restricted Working Space, Add	273.57	
		For 200 PSI, Add	1,197.84	

23 05 23 00-0823 Cast Iron Body, Bronze Disc, Gear Operated, 200 Lb., Lug Type, Butterfly Valves (23 05 23 00-0812)

23 05 23 00-0824	EA	2" Cast Iron Body, Bronze Disc, Gear Operated, 200 Lb., Lug Type, Butterfly Valve	947.90	165.65
		For Work In Restricted Working Space, Add	62.13	
23 05 23 00-0825	EA	2-1/2" Cast Iron Body, Bronze Disc, Gear Operated, 200 Lb., Lug Type, Butterfly Valve	955.12	165.91
		For Work In Restricted Working Space, Add	62.41	
23 05 23 00-0826	EA	3" Cast Iron Body, Bronze Disc, Gear Operated, 200 Lb., Lug Type, Butterfly Valve	1,028.20	194.52
		For Work In Restricted Working Space, Add	73.04	
23 05 23 00-0827	EA	4" Cast Iron Body, Bronze Disc, Gear Operated, 200 Lb., Lug Type, Butterfly Valve	1,293.84	326.09
		For Work In Restricted Working Space, Add	122.60	
23 05 23 00-0828	EA	5" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI	1,587.16	386.91
		For Work In Restricted Working Space, Add	145.61	
23 05 23 00-0829	EA	6" Cast Iron Body, Bronze Disc, Gear Operated, 200 Lb., Lug Type, Butterfly Valve	1,758.26	429.90
		For Work In Restricted Working Space, Add	161.21	
23 05 23 00-0830	EA	8" Cast Iron Body, Bronze Disc, Gear Operated, 200 Lb., Lug Type, Butterfly Valve	2,196.19	494.39
		For Work In Restricted Working Space, Add	184.24	
23 05 23 00-0831	EA	10" Cast Iron Body, Bronze Disc, Gear Operated, 200 Lb., Lug Type, Butterfly Valve	2,795.80	601.86
		For Work In Restricted Working Space, Add	225.70	
23 05 23 00-0832	EA	12" Cast Iron Body, Bronze Disc, Gear Operated, 200 Lb., Lug Type, Butterfly Valve	3,881.39	730.82
		For Work In Restricted Working Space, Add	273.57	

23 05 23 00-0833 Cast Iron Body, Bronze Disc, Gear Operated, 150 Lb., Lug Type, Butterfly Valves (23 05 23 00-0812)

23 05 23 00-0834	EA	14" Cast Iron Body, Bronze Disc, Gear Operated, 150 Lb., Lug Type, Butterfly Valve	6,586.06	963.89
		For Work In Restricted Working Space, Add	385.56	
		For 200 PSI, Add	1,908.31	
23 05 23 00-0835	EA	16" Cast Iron Body, Bronze Disc, Gear Operated, 150 Lb., Lug Type, Butterfly Valve	8,535.36	1,130.97
		For Work In Restricted Working Space, Add	424.11	
		For 200 PSI, Add	2,563.79	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0836	EA	18" Cast Iron Body, Bronze Disc, Gear Operated, 150 Lb., Lug Type, Butterfly Valve..... <i>For Work In Restricted Working Space, Add</i> <i>For 200 PSI, Add</i>	12,151.78 471.24 3,809.16	1,259.49
23 05 23 00-0837	EA	20" Cast Iron Body, Bronze Disc, Gear Operated, 150 Lb., Lug Type, Butterfly Valve..... <i>For Work In Restricted Working Space, Add</i> <i>For 200 PSI, Add</i>	15,761.78 530.14 5,038.07	1,413.71
23 05 23 00-0838	EA	24" Cast Iron Body, Bronze Disc, Gear Operated, 150 Lb., Lug Type, Butterfly Valve..... <i>For Work In Restricted Working Space, Add</i> <i>For 200 PSI, Add</i>	21,283.51 652.48 6,879.09	1,735.01
23 05 23 00-0839	EA	30" Cast Iron Body, Bronze Disc, Gear Operated, 150 Lb., Lug Type, Butterfly Valve..... <i>For Work In Restricted Working Space, Add</i> <i>For 200 PSI, Add</i>	44,515.57 1,049.25 14,766.51	2,748.03
23 05 23 00-0840	EA	36" Cast Iron Body, Bronze Disc, Gear Operated, 150 Lb., Lug Type, Butterfly Valve..... <i>For Work In Restricted Working Space, Add</i> <i>For 200 PSI, Add</i>	56,488.08 1,311.56 18,761.84	3,747.31

23 05 29 Hangers and Supports for HVAC Piping and Equipment (23 05)

23 05 29 00-0001 Hangers And Supports (23 05 29)

23 05 29 00-0002 Clevis Hangers (23 05 29 00-0001)

23 05 29 00-0003 Steel Clevis Hanger (Cooper B-Line B3100) (23 05 29 00-0002)

Note: Type 1.

23 05 29 00-0004	EA	1/2" Steel Clevis Hanger (Cooper B-Line B3100)..... <i>For Work In Restricted Working Space, Add</i>	22.56 6.18	10.30
23 05 29 00-0005	EA	3/4" Steel Clevis Hanger (Cooper B-Line B3100)..... <i>For Work In Restricted Working Space, Add</i>	24.85 6.87	11.44
23 05 29 00-0006	EA	1" Steel Clevis Hanger (Cooper B-Line B3100)..... <i>For Work In Restricted Working Space, Add</i>	26.11 7.22	11.44
23 05 29 00-0007	EA	1-1/4" Steel Clevis Hanger (Cooper B-Line B3100)..... <i>For Work In Restricted Working Space, Add</i>	27.08 7.43	12.38
23 05 29 00-0008	EA	1-1/2" Steel Clevis Hanger (Cooper B-Line B3100)..... <i>For Work In Restricted Working Space, Add</i>	27.34 7.43	12.38
23 05 29 00-0009	EA	2" Steel Clevis Hanger (Cooper B-Line B3100)..... <i>For Work In Restricted Working Space, Add</i>	28.51 7.63	12.59
23 05 29 00-0010	EA	2-1/2" Steel Clevis Hanger (Cooper B-Line B3100)..... <i>For Work In Restricted Working Space, Add</i>	31.18 7.85	13.05
23 05 29 00-0011	EA	3" Steel Clevis Hanger (Cooper B-Line B3100)..... <i>For Work In Restricted Working Space, Add</i>	33.22 8.08	13.73
23 05 29 00-0012	EA	3-1/2" Steel Clevis Hanger (Cooper B-Line B3100)..... <i>For Work In Restricted Working Space, Add</i>	34.76 8.62	15.08
23 05 29 00-0013	EA	4" Steel Clevis Hanger (Cooper B-Line B3100)..... <i>For Work In Restricted Working Space, Add</i>	38.10 9.15	16.02
23 05 29 00-0014	EA	5" Steel Clevis Hanger (Cooper B-Line B3100)..... <i>For Work In Restricted Working Space, Add</i>	48.83 11.50	19.16
23 05 29 00-0015	EA	6" Steel Clevis Hanger (Cooper B-Line B3100)..... <i>For Work In Restricted Working Space, Add</i>	58.74 13.73	22.89
23 05 29 00-0016	EA	8" Steel Clevis Hanger (Cooper B-Line B3100)..... <i>For Work In Restricted Working Space, Add</i>	78.69 17.16	28.61
23 05 29 00-0017	EA	10" Steel Clevis Hanger (Cooper B-Line B3100)..... <i>For Work In Restricted Working Space, Add</i>	114.56 22.88	38.91
23 05 29 00-0018	EA	12" Steel Clevis Hanger (Cooper B-Line B3100)..... <i>For Work In Restricted Working Space, Add</i>	134.05 25.75	42.91
23 05 29 00-0019	EA	14" Steel Clevis Hanger (Cooper B-Line B3100)..... <i>For Work In Restricted Working Space, Add</i>	166.34 29.52	48.06
23 05 29 00-0020	EA	16" Steel Clevis Hanger (Cooper B-Line B3100)..... <i>For Work In Restricted Working Space, Add</i>	206.64 34.33	57.21
23 05 29 00-0021	EA	18" Steel Clevis Hanger (Cooper B-Line B3100)..... <i>For Work In Restricted Working Space, Add</i>	257.57 42.91	71.52
23 05 29 00-0022	EA	20" Steel Clevis Hanger (Cooper B-Line B3100)..... <i>For Work In Restricted Working Space, Add</i>	412.32 51.49	85.82
23 05 29 00-0023	EA	24" Steel Clevis Hanger (Cooper B-Line B3100)..... <i>For Work In Restricted Working Space, Add</i>	625.40 60.07	100.12

23 05 29 00-0024 Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) (23 05 29 00-0002)

23 05 29 00-0025	EA	1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)..... <i>For Work In Restricted Working Space, Add</i>	27.75 6.18	10.30
23 05 29 00-0026	EA	3/4" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)..... <i>For Work In Restricted Working Space, Add</i>	30.04 6.87	11.44
23 05 29 00-0027	EA	1" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)..... <i>For Work In Restricted Working Space, Add</i>	31.41 7.22	11.44
23 05 29 00-0028	EA	1-1/4" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)..... <i>For Work In Restricted Working Space, Add</i>	32.50 7.43	12.38
23 05 29 00-0029	EA	1-1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)..... <i>For Work In Restricted Working Space, Add</i>	33.16 7.43	12.38
23 05 29 00-0030	EA	2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)..... <i>For Work In Restricted Working Space, Add</i>	34.01 7.63	12.59
23 05 29 00-0031	EA	2-1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)..... <i>For Work In Restricted Working Space, Add</i>	37.89 7.85	13.05
23 05 29 00-0032	EA	3" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)..... <i>For Work In Restricted Working Space, Add</i>	39.71 8.08	13.73
23 05 29 00-0033	EA	3-1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)..... <i>For Work In Restricted Working Space, Add</i>	44.55 9.15	16.02
23 05 29 00-0034	EA	4" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)..... <i>For Work In Restricted Working Space, Add</i>	48.93 9.15	16.02

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
23 05 29 00-0035	EA 5" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)..... <i>For Work In Restricted Working Space, Add</i>	79.37 11.50		19.16	
23 05 29 00-0036	EA 6" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)..... <i>For Work In Restricted Working Space, Add</i>	98.23 13.73		22.89	
23 05 29 00-0037	EA 8" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)..... <i>For Work In Restricted Working Space, Add</i>	117.19 17.16		28.61	
23 05 29 00-0038 Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) (23 05 29 00-0002)					
23 05 29 00-0039	EA 1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)..... <i>For Work In Restricted Working Space, Add</i>	22.37 6.18		10.30	
23 05 29 00-0040	EA 3/4" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)..... <i>For Work In Restricted Working Space, Add</i>	24.70 6.87		11.44	
23 05 29 00-0041	EA 1" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)..... <i>For Work In Restricted Working Space, Add</i>	26.07 7.22		11.44	
23 05 29 00-0042	EA 1-1/4" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)..... <i>For Work In Restricted Working Space, Add</i>	26.79 7.43		12.38	
23 05 29 00-0043	EA 1-1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)..... <i>For Work In Restricted Working Space, Add</i>	26.94 7.43		12.38	
23 05 29 00-0044	EA 2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)..... <i>For Work In Restricted Working Space, Add</i>	27.70 7.63		12.59	
23 05 29 00-0045	EA 2-1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)..... <i>For Work In Restricted Working Space, Add</i>	30.11 7.85		13.05	
23 05 29 00-0046	EA 3" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)..... <i>For Work In Restricted Working Space, Add</i>	31.41 8.08		13.73	
23 05 29 00-0047	EA 3-1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)..... <i>For Work In Restricted Working Space, Add</i>	35.41 9.15		16.02	
23 05 29 00-0048	EA 4" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)..... <i>For Work In Restricted Working Space, Add</i>	36.44 9.15		16.02	
23 05 29 00-0049 Extended Steel Clevis Hanger (Cooper B-Line B3108) (23 05 29 00-0002)					
23 05 29 00-0050	EA 3/4" Steel Extended Clevis Hanger (Cooper B-Line B3108)..... <i>For Work In Restricted Working Space, Add</i>	31.18 6.87		11.44	
23 05 29 00-0051	EA 1" Steel Extended Clevis Hanger (Cooper B-Line B3108)..... <i>For Work In Restricted Working Space, Add</i>	32.45 7.22		11.44	
23 05 29 00-0052	EA 1-1/4" Steel Extended Clevis Hanger (Cooper B-Line B3108)..... <i>For Work In Restricted Working Space, Add</i>	33.13 7.43		12.38	
23 05 29 00-0053	EA 1-1/2" Steel Extended Clevis Hanger (Cooper B-Line B3108)..... <i>For Work In Restricted Working Space, Add</i>	34.16 7.43		12.38	
23 05 29 00-0054	EA 2" Steel Extended Clevis Hanger (Cooper B-Line B3108)..... <i>For Work In Restricted Working Space, Add</i>	36.55 7.63		12.59	
23 05 29 00-0055	EA 2-1/2" Steel Extended Clevis Hanger (Cooper B-Line B3108)..... <i>For Work In Restricted Working Space, Add</i>	39.10 7.85		13.05	
23 05 29 00-0056	EA 3" Steel Extended Clevis Hanger (Cooper B-Line B3108)..... <i>For Work In Restricted Working Space, Add</i>	40.99 8.08		13.73	
23 05 29 00-0057	EA 4" Steel Extended Clevis Hanger (Cooper B-Line B3108)..... <i>For Work In Restricted Working Space, Add</i>	49.08 9.15		16.02	
23 05 29 00-0058	EA 5" Steel Extended Clevis Hanger (Cooper B-Line B3108)..... <i>For Work In Restricted Working Space, Add</i>	61.91 11.50		19.16	
23 05 29 00-0059	EA 6" Steel Extended Clevis Hanger (Cooper B-Line B3108)..... <i>For Work In Restricted Working Space, Add</i>	76.28 13.73		22.89	
23 05 29 00-0060	EA 8" Steel Extended Clevis Hanger (Cooper B-Line B3108)..... <i>For Work In Restricted Working Space, Add</i>	107.46 17.16		28.61	
23 05 29 00-0061	EA 10" Steel Extended Clevis Hanger (Cooper B-Line B3108)..... <i>For Work In Restricted Working Space, Add</i>	150.59 22.88		38.91	
23 05 29 00-0062	EA 12" Steel Extended Clevis Hanger (Cooper B-Line B3108)..... <i>For Work In Restricted Working Space, Add</i>	169.16 25.75		42.91	
23 05 29 00-0063 Steel Clevis Hanger, Flat Top (Cooper B-Line B3109) (23 05 29 00-0002)					
23 05 29 00-0064	EA 2" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)..... <i>For Work In Restricted Working Space, Add</i>	37.76 7.63		12.59	
23 05 29 00-0065	EA 2-1/2" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)..... <i>For Work In Restricted Working Space, Add</i>	40.24 7.85		13.05	
23 05 29 00-0066	EA 3" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)..... <i>For Work In Restricted Working Space, Add</i>	42.29 8.08		13.73	
23 05 29 00-0067	EA 3-1/2" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)..... <i>For Work In Restricted Working Space, Add</i>	46.87 9.15		16.02	
23 05 29 00-0068	EA 4" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)..... <i>For Work In Restricted Working Space, Add</i>	49.45 9.15		16.02	
23 05 29 00-0069	EA 5" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)..... <i>For Work In Restricted Working Space, Add</i>	61.43 11.50		19.16	
23 05 29 00-0070	EA 6" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)..... <i>For Work In Restricted Working Space, Add</i>	71.78 13.73		22.89	
23 05 29 00-0071	EA 8" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)..... <i>For Work In Restricted Working Space, Add</i>	95.01 17.16		28.61	
23 05 29 00-0072 Adjustable Hangers (23 05 29 00-0001)					
23 05 29 00-0073 Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690) (23 05 29 00-0072)					
Note: Type 5.					
23 05 29 00-0074	EA 1/2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)..... <i>For Work In Restricted Working Space, Add</i>	20.56 5.42		9.03	
23 05 29 00-0075	EA 3/4" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)..... <i>For Work In Restricted Working Space, Add</i>	22.54 6.01		10.01	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0076	EA	1" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)..... <i>For Work In Restricted Working Space, Add</i>	24.73 6.68	11.13
23 05 29 00-0077	EA	1-1/4" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)..... <i>For Work In Restricted Working Space, Add</i>	27.31 7.42	12.36
23 05 29 00-0078	EA	1-1/2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)..... <i>For Work In Restricted Working Space, Add</i>	28.70 7.79	12.98
23 05 29 00-0079	EA	2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)..... <i>For Work In Restricted Working Space, Add</i>	30.70 8.16	13.61
23 05 29 00-0080	EA	2-1/2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)..... <i>For Work In Restricted Working Space, Add</i>	35.15 8.53	14.22
23 05 29 00-0081	EA	3" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)..... <i>For Work In Restricted Working Space, Add</i>	36.71 8.90	14.84
23 05 29 00-0082	EA	4" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)..... <i>For Work In Restricted Working Space, Add</i>	43.63 10.02	16.69
23 05 29 00-0083 Adjustable Swivel Steel Ring (Cooper B-Line B3170) (23 05 29 00-0072)				
Note: Type 10.				
23 05 29 00-0084	EA	1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	24.03 6.87 7.52 9.69	11.44
23 05 29 00-0085	EA	3/4" Adjustable Swivel Steel Ring (Cooper B-Line B3170) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	25.33 7.22 8.25 10.63	11.44
23 05 29 00-0086	EA	1" Adjustable Swivel Steel Ring (Cooper B-Line B3170) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	26.67 7.63 8.25 10.63	12.59
23 05 29 00-0087	EA	1-1/4" Adjustable Swivel Steel Ring (Cooper B-Line B3170) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	28.32 8.08 9.24 11.90	13.73
23 05 29 00-0088	EA	1-1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	31.91 9.15 9.24 11.90	16.02
23 05 29 00-0089	EA	2" Adjustable Swivel Steel Ring (Cooper B-Line B3170) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	34.16 9.81 9.70 12.50	16.02
23 05 29 00-0090	EA	2-1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	37.61 10.56 15.84 20.40	17.17
23 05 29 00-0091	EA	3" Adjustable Swivel Steel Ring (Cooper B-Line B3170) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	40.65 11.44 16.57 21.34	19.45
23 05 29 00-0092	EA	3-1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	45.12 12.53 22.18 28.56	20.88
23 05 29 00-0093	EA	4" Adjustable Swivel Steel Ring (Cooper B-Line B3170) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	49.13 13.73 22.18 28.56	22.89
23 05 29 00-0094	EA	5" Adjustable Swivel Steel Ring (Cooper B-Line B3170) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	58.46 15.45 46.00 59.25	25.75
23 05 29 00-0095	EA	6" Adjustable Swivel Steel Ring (Cooper B-Line B3170) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	64.28 17.16 46.66 60.10	28.61
23 05 29 00-0096	EA	8" Adjustable Swivel Steel Ring (Cooper B-Line B3170) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	77.05 20.60 55.44 71.40	34.32
23 05 29 00-0097 Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) (23 05 29 00-0072)				
23 05 29 00-0098	EA	1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	26.46 6.87 23.56 30.35	11.44
23 05 29 00-0099	EA	3/4" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	27.65 7.22 23.56 30.35	11.44
23 05 29 00-0100	EA	1" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	28.99 7.63 23.56 30.35	12.59
23 05 29 00-0101	EA	1-1/4" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	30.49 8.08 23.56 30.35	13.73

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 05 29 00-0102	EA	1-1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT).....	34.38	16.02
		<i>For Work In Restricted Working Space, Add</i>	9.15	
		<i>For 304 Stainless Steel, Add</i>	25.54	
		<i>For 316 Stainless Steel, Add</i>	32.90	
23 05 29 00-0103	EA	2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT).....	36.56	16.02
		<i>For Work In Restricted Working Space, Add</i>	9.81	
		<i>For 304 Stainless Steel, Add</i>	25.54	
		<i>For 316 Stainless Steel, Add</i>	32.90	
23 05 29 00-0104	EA	2-1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT).....	45.36	17.17
		<i>For Work In Restricted Working Space, Add</i>	10.56	
		<i>For 304 Stainless Steel, Add</i>	66.99	
		<i>For 316 Stainless Steel, Add</i>	86.28	
23 05 29 00-0105	EA	3" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT).....	50.71	19.45
		<i>For Work In Restricted Working Space, Add</i>	11.44	
		<i>For 304 Stainless Steel, Add</i>	82.96	
		<i>For 316 Stainless Steel, Add</i>	106.85	
23 05 29 00-0106	EA	3-1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT).....	55.32	20.88
		<i>For Work In Restricted Working Space, Add</i>	12.53	
		<i>For 304 Stainless Steel, Add</i>	89.50	
		<i>For 316 Stainless Steel, Add</i>	115.26	
23 05 29 00-0107	EA	4" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT).....	62.28	22.89
		<i>For Work In Restricted Working Space, Add</i>	13.73	
		<i>For 304 Stainless Steel, Add</i>	108.97	
		<i>For 316 Stainless Steel, Add</i>	140.34	
23 05 29 00-0108	EA	5" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT).....	68.23	25.75
		<i>For Work In Restricted Working Space, Add</i>	15.45	
		<i>For 304 Stainless Steel, Add</i>	110.48	
		<i>For 316 Stainless Steel, Add</i>	142.29	
23 05 29 00-0109	EA	6" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT).....	81.44	28.61
		<i>For Work In Restricted Working Space, Add</i>	17.16	
		<i>For 304 Stainless Steel, Add</i>	159.92	
		<i>For 316 Stainless Steel, Add</i>	205.96	

23 05 29 00-0110 Roller Hangers (23 05 29 00-0001)**23 05 29 00-0111 Single Pipe Roll (Cooper B-Line B3114)** (23 05 29 00-0110)

Note: Excludes rod and nuts. Type 41.

23 05 29 00-0112	EA	2" Single Pipe Roll (Cooper B-Line B3114)	34.56	9.16
		Note: Excludes rod and nuts.		
		<i>For Work In Restricted Working Space, Add</i>	5.49	
23 05 29 00-0113	EA	2-1/2" Single Pipe Roll (Cooper B-Line B3114)	38.07	10.31
		Note: Excludes rod and nuts.		
		<i>For Work In Restricted Working Space, Add</i>	6.18	
23 05 29 00-0114	EA	3" Single Pipe Roll (Cooper B-Line B3114)	42.46	12.02
		Note: Excludes rod and nuts.		
		<i>For Work In Restricted Working Space, Add</i>	7.21	
23 05 29 00-0115	EA	3-1/2" Single Pipe Roll (Cooper B-Line B3114)	48.84	13.74
		Note: Excludes rod and nuts.		
		<i>For Work In Restricted Working Space, Add</i>	8.24	
23 05 29 00-0116	EA	4" Single Pipe Roll (Cooper B-Line B3114)	66.91	15.45
		Note: Excludes rod and nuts.		
		<i>For Work In Restricted Working Space, Add</i>	9.27	
23 05 29 00-0117	EA	5" Single Pipe Roll (Cooper B-Line B3114)	60.28	17.18
		Note: Excludes rod and nuts.		
		<i>For Work In Restricted Working Space, Add</i>	10.30	
23 05 29 00-0118	EA	6" Single Pipe Roll (Cooper B-Line B3114)	74.88	20.61
		Note: Excludes rod and nuts.		
		<i>For Work In Restricted Working Space, Add</i>	12.36	
23 05 29 00-0119	EA	8" Single Pipe Roll (Cooper B-Line B3114)	100.32	24.04
		Note: Excludes rod and nuts.		
		<i>For Work In Restricted Working Space, Add</i>	14.42	
23 05 29 00-0120	EA	10" Single Pipe Roll (Cooper B-Line B3114)	118.95	28.62
		Note: Excludes rod and nuts.		
		<i>For Work In Restricted Working Space, Add</i>	17.17	

23 05 29 00-0121 Adjustable Clevis Roller Hanger (Cooper B-Line B3110) (23 05 29 00-0110)

Note: Type 43.

23 05 29 00-0122	EA	2" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	51.82	16.16
		<i>For Work In Restricted Working Space, Add</i>	9.32	
		<i>For 304 Stainless Steel, Add</i>	136.88	
		<i>For 316 Stainless Steel, Add</i>	176.29	
23 05 29 00-0123	EA	2-1/2" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	54.05	16.65
		<i>For Work In Restricted Working Space, Add</i>	9.99	
		<i>For 304 Stainless Steel, Add</i>	136.88	
		<i>For 316 Stainless Steel, Add</i>	176.29	
23 05 29 00-0124	EA	3" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	58.66	17.41
		<i>For Work In Restricted Working Space, Add</i>	10.66	
		<i>For 304 Stainless Steel, Add</i>	152.72	
		<i>For 316 Stainless Steel, Add</i>	196.69	
23 05 29 00-0125	EA	3-1/2" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	68.09	18.65
		<i>For Work In Restricted Working Space, Add</i>	11.19	
		<i>For 304 Stainless Steel, Add</i>	203.28	
		<i>For 316 Stainless Steel, Add</i>	261.80	
23 05 29 00-0126	EA	4" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	72.24	21.13
		<i>For Work In Restricted Working Space, Add</i>	12.43	
		<i>For 304 Stainless Steel, Add</i>	203.28	
		<i>For 316 Stainless Steel, Add</i>	261.80	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0127	EA	5" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... For Work In Restricted Working Space, Add For 304 Stainless Steel, Add For 316 Stainless Steel, Add	81.46 13.65 237.34 305.66	22.75
23 05 29 00-0128	EA	6" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... For Work In Restricted Working Space, Add For 304 Stainless Steel, Add For 316 Stainless Steel, Add	94.38 14.92 294.69 379.53	24.86
23 05 29 00-0129	EA	8" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... For Work In Restricted Working Space, Add For 304 Stainless Steel, Add For 316 Stainless Steel, Add	128.98 18.65 441.08 568.06	31.08
23 05 29 00-0130	EA	10" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... For Work In Restricted Working Space, Add For 304 Stainless Steel, Add For 316 Stainless Steel, Add	162.49 24.86 525.49 676.77	42.27
23 05 29 00-0131	EA	12" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... For Work In Restricted Working Space, Add For 304 Stainless Steel, Add For 316 Stainless Steel, Add	210.28 27.97 772.53 994.93	46.61
23 05 29 00-0132	EA	14" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... For Work In Restricted Working Space, Add For 304 Stainless Steel, Add For 316 Stainless Steel, Add	431.26 32.07 2,140.78 2,757.06	53.45
23 05 29 00-0133	EA	16" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... For Work In Restricted Working Space, Add For 304 Stainless Steel, Add For 316 Stainless Steel, Add	540.66 37.29 2,747.91 3,538.98	62.15
23 05 29 00-0134 Roller Chair (Cooper B-Line B3120) (23 05 29 00-0110)				
23 05 29 00-0135	EA	2" Steel Roller Chair (Cooper B-Line B3120)..... For Work In Restricted Working Space, Add	50.46 9.32	16.16
23 05 29 00-0136	EA	2-1/2" Steel Roller Chair (Cooper B-Line B3120) For Work In Restricted Working Space, Add	54.35 9.99	16.65
23 05 29 00-0137	EA	3" Steel Roller Chair (Cooper B-Line B3120)..... For Work In Restricted Working Space, Add	57.04 10.66	17.41
23 05 29 00-0138	EA	3-1/2" Steel Roller Chair (Cooper B-Line B3120) For Work In Restricted Working Space, Add	64.70 11.19	18.65
23 05 29 00-0139	EA	4" Steel Roller Chair (Cooper B-Line B3120)..... For Work In Restricted Working Space, Add	72.09 12.43	21.13
23 05 29 00-0140	EA	5" Steel Roller Chair (Cooper B-Line B3120)..... For Work In Restricted Working Space, Add	78.81 13.65	22.75
23 05 29 00-0141	EA	6" Steel Roller Chair (Cooper B-Line B3120)..... For Work In Restricted Working Space, Add	96.12 14.92	24.86
23 05 29 00-0142	EA	8" Steel Roller Chair (Cooper B-Line B3120)..... For Work In Restricted Working Space, Add	124.86 18.65	31.08
23 05 29 00-0143	EA	10" Steel Roller Chair (Cooper B-Line B3120)..... For Work In Restricted Working Space, Add	161.53 24.86	42.27
23 05 29 00-0144	EA	12" Steel Roller Chair (Cooper B-Line B3120)..... For Work In Restricted Working Space, Add	207.77 27.97	46.61
23 05 29 00-0145	EA	14" Steel Roller Chair (Cooper B-Line B3120)..... For Work In Restricted Working Space, Add	227.04 32.07	53.45
23 05 29 00-0146	EA	16" Steel Roller Chair (Cooper B-Line B3120)..... For Work In Restricted Working Space, Add	273.45 37.29	62.15
23 05 29 00-0147	EA	18" Steel Roller Chair (Cooper B-Line B3120)..... For Work In Restricted Working Space, Add	367.75 46.62	77.69
23 05 29 00-0148	EA	20" Steel Roller Chair (Cooper B-Line B3120)..... For Work In Restricted Working Space, Add	454.64 55.94	93.23
23 05 29 00-0149 Adjustable Roller Support (Cooper B-Line B3122) (23 05 29 00-0110)				
23 05 29 00-0150	EA	2" Steel Adjustable Roller Support (Cooper B-Line B3122) For Work In Restricted Working Space, Add	56.84 9.32	16.16
23 05 29 00-0151	EA	2-1/2" Steel Adjustable Roller Support (Cooper B-Line B3122)..... For Work In Restricted Working Space, Add	63.78 9.99	16.65
23 05 29 00-0152	EA	3" Steel Adjustable Roller Support (Cooper B-Line B3122) For Work In Restricted Working Space, Add	67.10 10.66	17.41
23 05 29 00-0153	EA	3-1/2" Steel Adjustable Roller Support (Cooper B-Line B3122)..... For Work In Restricted Working Space, Add	70.86 11.19	18.65
23 05 29 00-0154	EA	4" Steel Adjustable Roller Support (Cooper B-Line B3122) For Work In Restricted Working Space, Add	84.99 12.43	21.13
23 05 29 00-0155	EA	5" Steel Adjustable Roller Support (Cooper B-Line B3122) For Work In Restricted Working Space, Add	96.27 13.65	22.75
23 05 29 00-0156	EA	6" Steel Adjustable Roller Support (Cooper B-Line B3122) For Work In Restricted Working Space, Add	111.89 14.92	24.86
23 05 29 00-0157	EA	8" Steel Adjustable Roller Support (Cooper B-Line B3122) For Work In Restricted Working Space, Add	157.32 18.65	31.08
23 05 29 00-0158	EA	10" Steel Adjustable Roller Support (Cooper B-Line B3122) For Work In Restricted Working Space, Add	196.53 24.86	42.27
23 05 29 00-0159	EA	12" Steel Adjustable Roller Support (Cooper B-Line B3122) For Work In Restricted Working Space, Add	227.15 27.97	46.61
23 05 29 00-0160	EA	14" Steel Adjustable Roller Support (Cooper B-Line B3122) For Work In Restricted Working Space, Add	319.81 32.07	53.45
23 05 29 00-0161	EA	16" Steel Adjustable Roller Support (Cooper B-Line B3122) For Work In Restricted Working Space, Add	383.16 37.29	62.15
23 05 29 00-0162	EA	18" Steel Adjustable Roller Support (Cooper B-Line B3122) For Work In Restricted Working Space, Add	436.02 46.62	77.69

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 05 29 00-0163		Adjustable Double Roller Support (Cooper B-Line B3122A) (23 05 29 00-0110)	
23 05 29 00-0164	EA	2" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	57.20
		<i>For Work In Restricted Working Space, Add</i>	9.32
23 05 29 00-0165	EA	2-1/2" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	64.11
		<i>For Work In Restricted Working Space, Add</i>	9.99
23 05 29 00-0166	EA	3" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	67.65
		<i>For Work In Restricted Working Space, Add</i>	10.66
23 05 29 00-0167	EA	3-1/2" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	70.37
		<i>For Work In Restricted Working Space, Add</i>	11.19
23 05 29 00-0168	EA	4" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	88.71
		<i>For Work In Restricted Working Space, Add</i>	12.43
23 05 29 00-0169	EA	5" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	100.66
		<i>For Work In Restricted Working Space, Add</i>	13.65
23 05 29 00-0170	EA	6" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	117.12
		<i>For Work In Restricted Working Space, Add</i>	14.92
23 05 29 00-0171	EA	8" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	165.42
		<i>For Work In Restricted Working Space, Add</i>	18.65
23 05 29 00-0172	EA	10" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	206.26
		<i>For Work In Restricted Working Space, Add</i>	24.86
23 05 29 00-0173	EA	12" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	238.53
		<i>For Work In Restricted Working Space, Add</i>	27.97
23 05 29 00-0174	EA	14" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	338.01
		<i>For Work In Restricted Working Space, Add</i>	32.07

23 05 29 00-0175 **Pipe And Riser Clamps** (23 05 29 00-0001)

Note: Includes bolts and weldless eye nuts.

23 05 29 00-0176 **Steel Pipe Clamp (Cooper B-Line B3140)** (23 05 29 00-0175)

Note: Type 4.

23 05 29 00-0177	EA	1/2" Steel Pipe Clamp (Cooper B-Line B3140)	19.67
		<i>For Work In Restricted Working Space, Add</i>	4.45
23 05 29 00-0178	EA	3/4" Steel Pipe Clamp (Cooper B-Line B3140)	19.91
		<i>For Work In Restricted Working Space, Add</i>	4.52
23 05 29 00-0179	EA	1" Steel Pipe Clamp (Cooper B-Line B3140)	20.19
		<i>For Work In Restricted Working Space, Add</i>	4.60
23 05 29 00-0180	EA	1-1/4" Steel Pipe Clamp (Cooper B-Line B3140)	21.92
		<i>For Work In Restricted Working Space, Add</i>	4.67
23 05 29 00-0181	EA	1-1/2" Steel Pipe Clamp (Cooper B-Line B3140)	22.16
		<i>For Work In Restricted Working Space, Add</i>	4.75
23 05 29 00-0182	EA	2" Steel Pipe Clamp (Cooper B-Line B3140)	23.52
		<i>For Work In Restricted Working Space, Add</i>	4.82
23 05 29 00-0183	EA	2-1/2" Steel Pipe Clamp (Cooper B-Line B3140)	24.45
		<i>For Work In Restricted Working Space, Add</i>	4.97
23 05 29 00-0184	EA	3" Steel Pipe Clamp (Cooper B-Line B3140)	25.87
		<i>For Work In Restricted Working Space, Add</i>	5.12
23 05 29 00-0185	EA	3-1/2" Steel Pipe Clamp (Cooper B-Line B3140)	29.76
		<i>For Work In Restricted Working Space, Add</i>	5.19
23 05 29 00-0186	EA	4" Steel Pipe Clamp (Cooper B-Line B3140)	34.71
		<i>For Work In Restricted Working Space, Add</i>	6.68
23 05 29 00-0187	EA	5" Steel Pipe Clamp (Cooper B-Line B3140)	49.56
		<i>For Work In Restricted Working Space, Add</i>	8.90
23 05 29 00-0188	EA	6" Steel Pipe Clamp (Cooper B-Line B3140)	67.60
		<i>For Work In Restricted Working Space, Add</i>	11.13
23 05 29 00-0189	EA	8" Steel Pipe Clamp (Cooper B-Line B3140)	79.53
		<i>For Work In Restricted Working Space, Add</i>	12.98
23 05 29 00-0190	EA	10" Steel Pipe Clamp (Cooper B-Line B3140)	114.82
		<i>For Work In Restricted Working Space, Add</i>	14.84
23 05 29 00-0191	EA	12" Steel Pipe Clamp (Cooper B-Line B3140)	155.49
		<i>For Work In Restricted Working Space, Add</i>	16.32
23 05 29 00-0192	EA	14" Steel Pipe Clamp (Cooper B-Line B3140)	249.09
		<i>For Work In Restricted Working Space, Add</i>	17.81
23 05 29 00-0193	EA	16" Steel Pipe Clamp (Cooper B-Line B3140)	269.98
		<i>For Work In Restricted Working Space, Add</i>	19.29
23 05 29 00-0194	EA	18" Steel Pipe Clamp (Cooper B-Line B3140)	435.67
		<i>For Work In Restricted Working Space, Add</i>	20.77
23 05 29 00-0195	EA	20" Steel Pipe Clamp (Cooper B-Line B3140)	503.33
		<i>For Work In Restricted Working Space, Add</i>	22.26
23 05 29 00-0196	EA	24" Steel Pipe Clamp (Cooper B-Line B3140)	654.72
		<i>For Work In Restricted Working Space, Add</i>	24.48

23 05 29 00-0197 **Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)** (23 05 29 00-0175)

23 05 29 00-0198	EA	3" Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	39.07
		<i>For Work In Restricted Working Space, Add</i>	4.77
23 05 29 00-0199	EA	4" Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	50.96
		<i>For Work In Restricted Working Space, Add</i>	4.77
23 05 29 00-0200	EA	5" Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	55.89
		<i>For Work In Restricted Working Space, Add</i>	4.97
23 05 29 00-0201	EA	6" Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	88.60
		<i>For Work In Restricted Working Space, Add</i>	5.18
23 05 29 00-0202	EA	8" Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	96.35
		<i>For Work In Restricted Working Space, Add</i>	5.48
23 05 29 00-0203	EA	10" Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	164.07
		<i>For Work In Restricted Working Space, Add</i>	5.48

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0204	EA	12" Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	264.87	10.30
		For Work In Restricted Working Space, Add	6.17	
23 05 29 00-0205	EA	14" Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	335.83	11.44
		For Work In Restricted Working Space, Add	6.87	
23 05 29 00-0206	EA	16" Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	365.34	13.73
		For Work In Restricted Working Space, Add	8.24	
23 05 29 00-0207	EA	18" Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	1,132.18	16.02
		For Work In Restricted Working Space, Add	9.61	
23 05 29 00-0208	EA	20" Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	1,301.21	17.17
		For Work In Restricted Working Space, Add	10.30	
23 05 29 00-0209	EA	24" Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	1,666.17	18.30
		For Work In Restricted Working Space, Add	10.98	
23 05 29 00-0210 Steel Riser Clamp (Cooper B-Line B3373) (23 05 29 00-0175)				
Note: Type 8.				
23 05 29 00-0211	EA	1/2" Steel Riser Clamp (Cooper B-Line B3373)	19.77	6.87
		For Work In Restricted Working Space, Add	4.12	
23 05 29 00-0212	EA	3/4" Steel Riser Clamp (Cooper B-Line B3373)	20.56	6.98
		For Work In Restricted Working Space, Add	4.19	
23 05 29 00-0213	EA	1" Steel Riser Clamp (Cooper B-Line B3373)	20.86	7.10
		For Work In Restricted Working Space, Add	4.26	
23 05 29 00-0214	EA	1-1/4" Steel Riser Clamp (Cooper B-Line B3373)	22.49	7.21
		For Work In Restricted Working Space, Add	4.33	
23 05 29 00-0215	EA	1-1/2" Steel Riser Clamp (Cooper B-Line B3373)	23.35	7.32
		For Work In Restricted Working Space, Add	4.40	
23 05 29 00-0216	EA	2" Steel Riser Clamp (Cooper B-Line B3373)	23.90	7.44
		For Work In Restricted Working Space, Add	4.46	
23 05 29 00-0217	EA	2-1/2" Steel Riser Clamp (Cooper B-Line B3373)	24.91	7.66
		For Work In Restricted Working Space, Add	4.60	
23 05 29 00-0218	EA	3" Steel Riser Clamp (Cooper B-Line B3373)	26.37	7.89
		For Work In Restricted Working Space, Add	4.74	
23 05 29 00-0219	EA	3-1/2" Steel Riser Clamp (Cooper B-Line B3373)	28.88	8.00
		For Work In Restricted Working Space, Add	4.81	
23 05 29 00-0220	EA	4" Steel Riser Clamp (Cooper B-Line B3373)	35.16	10.30
		For Work In Restricted Working Space, Add	6.18	
23 05 29 00-0221	EA	5" Steel Riser Clamp (Cooper B-Line B3373)	45.51	13.73
		For Work In Restricted Working Space, Add	8.24	
23 05 29 00-0222	EA	6" Steel Riser Clamp (Cooper B-Line B3373)	57.68	17.17
		For Work In Restricted Working Space, Add	10.30	
23 05 29 00-0223	EA	8" Steel Riser Clamp (Cooper B-Line B3373)	78.28	20.03
		For Work In Restricted Working Space, Add	12.01	
23 05 29 00-0224	EA	10" Steel Riser Clamp (Cooper B-Line B3373)	102.36	22.89
		For Work In Restricted Working Space, Add	13.73	
23 05 29 00-0225	EA	12" Steel Riser Clamp (Cooper B-Line B3373)	123.43	25.17
		For Work In Restricted Working Space, Add	15.10	
23 05 29 00-0226	EA	14" Steel Riser Clamp (Cooper B-Line B3373)	164.90	27.46
		For Work In Restricted Working Space, Add	16.48	
23 05 29 00-0227	EA	16" Steel Riser Clamp (Cooper B-Line B3373)	310.54	29.75
		For Work In Restricted Working Space, Add	17.85	
23 05 29 00-0228 Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) (23 05 29 00-0175)				
23 05 29 00-0229	EA	1/2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	34.14	6.87
		For Work In Restricted Working Space, Add	4.12	
23 05 29 00-0230	EA	3/4" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	34.67	6.98
		For Work In Restricted Working Space, Add	4.19	
23 05 29 00-0231	EA	1" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	36.07	7.10
		For Work In Restricted Working Space, Add	4.26	
23 05 29 00-0232	EA	1-1/4" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	38.51	7.21
		For Work In Restricted Working Space, Add	4.33	
23 05 29 00-0233	EA	1-1/2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	43.39	7.32
		For Work In Restricted Working Space, Add	4.40	
23 05 29 00-0234	EA	2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	46.04	7.44
		For Work In Restricted Working Space, Add	4.46	
23 05 29 00-0235	EA	2-1/2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	49.78	7.66
		For Work In Restricted Working Space, Add	4.60	
23 05 29 00-0236	EA	3" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	54.62	7.89
		For Work In Restricted Working Space, Add	4.74	
23 05 29 00-0237	EA	4" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	73.91	10.30
		For Work In Restricted Working Space, Add	6.18	
23 05 29 00-0238 Two Bolt Steel Underground Clamp (Cooper B-Line B3132) (23 05 29 00-0175)				
Note: Type 42				
23 05 29 00-0239	EA	4" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	75.80	8.00
		For Work In Restricted Working Space, Add	4.77	
23 05 29 00-0240	EA	6" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	80.49	8.58
		For Work In Restricted Working Space, Add	5.18	
23 05 29 00-0241	EA	8" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	88.33	9.15
		For Work In Restricted Working Space, Add	5.48	
23 05 29 00-0242	EA	10" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	94.22	9.15
		For Work In Restricted Working Space, Add	5.48	
23 05 29 00-0243	EA	12" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	113.88	10.30
		For Work In Restricted Working Space, Add	6.17	
23 05 29 00-0244	EA	14" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	350.92	11.44
		For Work In Restricted Working Space, Add	6.87	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
23 05 29 00-0245	EA 16" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)..... <i>For Work In Restricted Working Space, Add</i>	469.90 8.24		13.73	
23 05 29 00-0246	EA 18" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)..... <i>For Work In Restricted Working Space, Add</i>	559.88 9.61		16.02	
23 05 29 00-0247	EA 20" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)..... <i>For Work In Restricted Working Space, Add</i>	814.76 10.30		17.17	
23 05 29 00-0248	EA 24" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)..... <i>For Work In Restricted Working Space, Add</i>	1,122.24 10.98		18.30	
23 05 29 00-0249	Four Bolt Steel Underground Clamp (Cooper B-Line B3134) (23 05 29 00-0175)				
23 05 29 00-0250	EA 4" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)..... <i>For Work In Restricted Working Space, Add</i>	70.05 4.77		8.00	
23 05 29 00-0251	EA 6" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)..... <i>For Work In Restricted Working Space, Add</i>	75.55 5.18		8.58	
23 05 29 00-0252	EA 8" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)..... <i>For Work In Restricted Working Space, Add</i>	131.24 5.48		9.15	
23 05 29 00-0253	EA 10" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)..... <i>For Work In Restricted Working Space, Add</i>	145.80 5.48		9.15	
23 05 29 00-0254	EA 12" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)..... <i>For Work In Restricted Working Space, Add</i>	208.98 6.17		10.30	
23 05 29 00-0255	EA 14" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)..... <i>For Work In Restricted Working Space, Add</i>	319.88 6.87		11.44	
23 05 29 00-0256	EA 16" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)..... <i>For Work In Restricted Working Space, Add</i>	428.86 8.24		13.73	
23 05 29 00-0257	EA 18" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)..... <i>For Work In Restricted Working Space, Add</i>	510.40 9.61		16.02	
23 05 29 00-0258	EA 20" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)..... <i>For Work In Restricted Working Space, Add</i>	745.26 10.30		17.17	
23 05 29 00-0259	EA 24" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)..... <i>For Work In Restricted Working Space, Add</i>	1,019.37 10.98		18.30	
23 05 29 00-0260	Split Pipe Clamps And Rings (23 05 29 00-0001)				
23 05 29 00-0261	Adjustable Split Ring Swivel Hanger (Cooper B-Line B3171) (23 05 29 00-0260)				
	Note: Type 6.				
23 05 29 00-0262	EA 3/4" Adjustable Swivel Ring (Cooper B-Line B3171) <i>For Work In Restricted Working Space, Add</i>	32.63 6.31		10.51	
23 05 29 00-0263	EA 1" Adjustable Swivel Ring (Cooper B-Line B3171) <i>For Work In Restricted Working Space, Add</i>	34.56 6.68		11.13	
23 05 29 00-0264	EA 1-1/4" Adjustable Swivel Ring (Cooper B-Line B3171) <i>For Work In Restricted Working Space, Add</i>	37.62 7.42		12.36	
23 05 29 00-0265	EA 1-1/2" Adjustable Swivel Ring (Cooper B-Line B3171) <i>For Work In Restricted Working Space, Add</i>	40.49 7.79		12.98	
23 05 29 00-0266	EA 2" Adjustable Swivel Ring (Cooper B-Line B3171) <i>For Work In Restricted Working Space, Add</i>	43.67 8.16		13.61	
23 05 29 00-0267	EA 2-1/2" Adjustable Swivel Ring (Cooper B-Line B3171) <i>For Work In Restricted Working Space, Add</i>	53.53 8.53		14.22	
23 05 29 00-0268	EA 3" Adjustable Swivel Ring (Cooper B-Line B3171) <i>For Work In Restricted Working Space, Add</i>	58.63 8.90		14.84	
23 05 29 00-0269	EA 4" Adjustable Swivel Ring (Cooper B-Line B3171) <i>For Work In Restricted Working Space, Add</i>	77.57 10.02		16.69	
23 05 29 00-0270	EA 5" Adjustable Swivel Ring (Cooper B-Line B3171) <i>For Work In Restricted Working Space, Add</i>	98.60 12.61		21.02	
23 05 29 00-0271	EA 6" Adjustable Swivel Ring (Cooper B-Line B3171) <i>For Work In Restricted Working Space, Add</i>	131.32 14.84		24.73	
23 05 29 00-0272	Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R) (23 05 29 00-0260)				
	Note: Type 11.				
23 05 29 00-0273	EA 1/2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)..... <i>For Work In Restricted Working Space, Add</i>	21.51 5.33		8.70	
23 05 29 00-0274	EA 3/4" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)..... <i>For Work In Restricted Working Space, Add</i>	22.68 5.57		8.70	
23 05 29 00-0275	EA 1" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)..... <i>For Work In Restricted Working Space, Add</i>	24.98 6.21		11.18	
23 05 29 00-0276	EA 1-1/4" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)..... <i>For Work In Restricted Working Space, Add</i>	27.11 6.54		11.18	
23 05 29 00-0277	EA 1-1/2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)..... <i>For Work In Restricted Working Space, Add</i>	30.15 6.78		11.18	
23 05 29 00-0278	EA 2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)..... <i>For Work In Restricted Working Space, Add</i>	35.13 7.46		12.43	
23 05 29 00-0279	EA 2-1/2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)..... <i>For Work In Restricted Working Space, Add</i>	46.40 7.76		12.43	
23 05 29 00-0280	EA 3" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)..... <i>For Work In Restricted Working Space, Add</i>	51.47 8.10		13.67	
23 05 29 00-0281	EA 4" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)..... <i>For Work In Restricted Working Space, Add</i>	54.86 8.88		14.92	
23 05 29 00-0282	Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H) (23 05 29 00-0260)				
	Note: Type 12.				
23 05 29 00-0283	EA 1/2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)..... <i>For Work In Restricted Working Space, Add</i>	21.51 5.33		8.70	
23 05 29 00-0284	EA 3/4" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)..... <i>For Work In Restricted Working Space, Add</i>	22.68 5.57		9.32	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0285	EA	1" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)..... <i>For Work In Restricted Working Space, Add</i>	24.98 6.21	10.56
23 05 29 00-0286	EA	1-1/4" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)..... <i>For Work In Restricted Working Space, Add</i>	27.11 6.54	11.18
23 05 29 00-0287	EA	1-1/2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)..... <i>For Work In Restricted Working Space, Add</i>	30.15 6.78	11.18
23 05 29 00-0288	EA	2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)..... <i>For Work In Restricted Working Space, Add</i>	35.13 7.46	12.43
23 05 29 00-0289	EA	2-1/2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)..... <i>For Work In Restricted Working Space, Add</i>	46.40 7.76	13.04
23 05 29 00-0290	EA	3" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)..... <i>For Work In Restricted Working Space, Add</i>	51.47 8.10	13.67
23 05 29 00-0291		Pipe Straps (23 05 29 00-0001)		
23 05 29 00-0292		Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B-3180) (23 05 29 00-0291)		
23 05 29 00-0293	EA	1/2" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180) <i>For Work In Restricted Working Space, Add</i>	14.65 3.73	6.21
23 05 29 00-0294	EA	3/4" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180) <i>For Work In Restricted Working Space, Add</i>	15.30 3.92	7.46
23 05 29 00-0295	EA	1" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180) <i>For Work In Restricted Working Space, Add</i>	16.03 4.14	7.46
23 05 29 00-0296	EA	1-1/4" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180) <i>For Work In Restricted Working Space, Add</i>	16.95 4.39	7.46
23 05 29 00-0297	EA	1-1/2" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180) <i>For Work In Restricted Working Space, Add</i>	17.93 4.66	8.70
23 05 29 00-0298	EA	2" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180) <i>For Work In Restricted Working Space, Add</i>	20.52 4.97	8.70
23 05 29 00-0299	EA	2-1/2" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180) <i>For Work In Restricted Working Space, Add</i>	24.89 5.33	8.70
23 05 29 00-0300	EA	3" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180) <i>For Work In Restricted Working Space, Add</i>	31.62 5.74	8.70
23 05 29 00-0301	EA	4" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180) <i>For Work In Restricted Working Space, Add</i>	37.42 6.71	11.18
23 05 29 00-0302	EA	6" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180) <i>For Work In Restricted Working Space, Add</i>	45.60 7.46	12.43
23 05 29 00-0303	EA	8" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180) <i>For Work In Restricted Working Space, Add</i>	56.56 8.20	13.67
23 05 29 00-0304		Two Hole Copper-Clad Pipe Straps (23 05 29 00-0291)		
23 05 29 00-0305	EA	1/2" Two Hole Copper-Clad Pipe Strap <i>For Work In Restricted Working Space, Add</i>	6.85 1.86	
23 05 29 00-0306	EA	3/4" Two Hole Copper-Clad Pipe Strap <i>For Work In Restricted Working Space, Add</i>	7.27 1.96	
23 05 29 00-0307	EA	1" Two Hole Copper-Clad Pipe Strap <i>For Work In Restricted Working Space, Add</i>	8.14 2.05	
23 05 29 00-0308	EA	1-1/4" Two Hole Copper-Clad Pipe Strap <i>For Work In Restricted Working Space, Add</i>	9.05 2.15	
23 05 29 00-0309	EA	1-1/2" Two Hole Copper-Clad Pipe Strap <i>For Work In Restricted Working Space, Add</i>	9.72 2.24	
23 05 29 00-0310	EA	2" Two Hole Copper-Clad Pipe Strap <i>For Work In Restricted Working Space, Add</i>	10.55 2.42	
23 05 29 00-0311		One Hole Galvanized Steel Pipe Straps (23 05 29 00-0291)		
23 05 29 00-0312	EA	1/2" One Hole Galvanized Steel Pipe Strap (Anvil 185D)..... <i>For Work In Restricted Working Space, Add</i>	3.06 0.62	
23 05 29 00-0313	EA	3/4" One Hole Galvanized Steel Pipe Strap (Anvil 185D)..... <i>For Work In Restricted Working Space, Add</i>	3.61 0.66	
23 05 29 00-0314	EA	1" One Hole Galvanized Steel Pipe Strap (Anvil 185D)..... <i>For Work In Restricted Working Space, Add</i>	3.89 0.72	
23 05 29 00-0315	EA	1-1/4" Galvanized Steel Strap, 1 Hole <i>For Work In Restricted Working Space, Add</i>	4.19 0.78	
23 05 29 00-0316	EA	1-1/2" Galvanized Steel Strap, 1 Hole <i>For Work In Restricted Working Space, Add</i>	4.50 0.85	
23 05 29 00-0317	EA	2" Galvanized Steel Strap, 1 Hole <i>For Work In Restricted Working Space, Add</i>	5.02 0.93	
23 05 29 00-0318		Pipe and Equipment Support Brackets (23 05 29 00-0001)		
23 05 29 00-0319		Pipe and Equipment Supports, Light Duty Welded Steel Bracket (Cooper B-Line B3068) (23 05 29 00-0318) Note: Up to 750# load.		
23 05 29 00-0320	EA	9" x 9" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068) <i>For Galvanized, Add</i> <i>For Work In Restricted Working Space, Add</i>	127.05 19.92 8.24	13.73
23 05 29 00-0321	EA	13" x 13" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068) <i>For Galvanized, Add</i> <i>For Work In Restricted Working Space, Add</i>	128.87 20.28 8.24	13.73
23 05 29 00-0322	EA	19" x 19" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068) <i>For Galvanized, Add</i> <i>For Work In Restricted Working Space, Add</i>	136.08 21.72 8.24	13.73

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 05 29 00-0323		Pipe and Equipment Supports, Medium Duty Welded Steel Bracket (Cooper B-Line B3066) (23 05 29 00-0318)	
		Note: Up to 1500# load.	
23 05 29 00-0324	EA	12" Wide x 18" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066).....	303.03
		For Galvanized, Add	55.11
		For Work In Restricted Working Space, Add	8.24
23 05 29 00-0325	EA	18" Wide x 24" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066).....	354.83
		For Galvanized, Add	65.47
		For Work In Restricted Working Space, Add	8.24
23 05 29 00-0326	EA	24" Wide x 30" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066).....	460.47
		For Galvanized, Add	86.60
		For Work In Restricted Working Space, Add	8.24
23 05 29 00-0327		Pipe Alignment Guide (23 05 29 00-0001)	
23 05 29 00-0328		Pipe Alignment Guide, 1" Insulation (23 05 29 00-0327)	
23 05 29 00-0329	EA	1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1/2).....	498.96
23 05 29 00-0330	EA	3/4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-3/4).....	500.10
23 05 29 00-0331	EA	1" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1).....	501.25
23 05 29 00-0332	EA	1-1/4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1-1/4).....	502.39
23 05 29 00-0333	EA	1-1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1-1/2).....	547.90
23 05 29 00-0334	EA	2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-2).....	559.37
23 05 29 00-0335	EA	2-1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-2-1/2).....	561.09
23 05 29 00-0336	EA	3" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-3).....	562.80
23 05 29 00-0337	EA	4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-4).....	595.67
23 05 29 00-0338	EA	5" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-5).....	595.24
23 05 29 00-0339	EA	6" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-6).....	711.25
23 05 29 00-0340	EA	8" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-8).....	802.71
23 05 29 00-0341	EA	10" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-10).....	1,477.12
23 05 29 00-0342	EA	12" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-12).....	2,245.56
23 05 29 00-0343	EA	14" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-14).....	2,763.64
23 05 29 00-0344	EA	16" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-16).....	3,323.48
23 05 29 00-0345	EA	18" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-18).....	3,585.56
23 05 29 00-0346	EA	20" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-20).....	3,812.83
23 05 29 00-0347	EA	24" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-24).....	4,797.46
23 05 29 00-0348		Pipe Alignment Guide, 1-1/2" Insulation (23 05 29 00-0327)	
23 05 29 00-0349	EA	1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1/2).....	500.10
23 05 29 00-0350	EA	3/4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-3/4).....	545.61
23 05 29 00-0351	EA	1" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1).....	546.75
23 05 29 00-0352	EA	1-1/4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1-1/4).....	547.90
23 05 29 00-0353	EA	1-1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1-1/2).....	549.05
23 05 29 00-0354	EA	2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-2).....	560.52
23 05 29 00-0355	EA	2-1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-2-1/2).....	562.24
23 05 29 00-0356	EA	3" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-3).....	593.38
23 05 29 00-0357	EA	4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-4).....	596.81
23 05 29 00-0358	EA	5" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-5).....	696.96
23 05 29 00-0359	EA	6" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-6).....	713.54
23 05 29 00-0360	EA	8" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-8).....	805.57
23 05 29 00-0361	EA	10" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-10).....	1,480.55
23 05 29 00-0362	EA	12" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-12).....	2,250.14
23 05 29 00-0363	EA	14" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-14).....	2,769.36
23 05 29 00-0364	EA	16" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-16).....	3,330.35
23 05 29 00-0365	EA	18" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-18).....	3,592.43
23 05 29 00-0366	EA	20" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-20).....	3,820.85
23 05 29 00-0367	EA	24" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-24).....	4,806.04
23 05 29 00-0368		Pipe Alignment Guide, 2" Insulation (23 05 29 00-0327)	
23 05 29 00-0369	EA	1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1/2).....	545.61
23 05 29 00-0370	EA	3/4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-3/4).....	553.65
23 05 29 00-0371	EA	1" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1).....	554.80
23 05 29 00-0372	EA	1-1/4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1-1/4).....	555.95
23 05 29 00-0373	EA	1-1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1-1/2).....	557.08
23 05 29 00-0374	EA	2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-2).....	591.09
23 05 29 00-0375	EA	2-1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-2-1/2).....	593.38
23 05 29 00-0376	EA	3" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-3).....	594.81
23 05 29 00-0377	EA	4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-4).....	681.51
23 05 29 00-0378	EA	5" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-5).....	698.67
23 05 29 00-0379	EA	6" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-6).....	784.41
23 05 29 00-0380	EA	8" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-8).....	884.38
23 05 29 00-0381	EA	10" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-10).....	1,483.98
23 05 29 00-0382	EA	12" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-12).....	2,254.72
23 05 29 00-0383	EA	14" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-14).....	2,775.08
23 05 29 00-0384	EA	16" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-16).....	3,336.96
23 05 29 00-0385	EA	18" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-18).....	3,599.87
23 05 29 00-0386	EA	20" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-20).....	3,828.85
23 05 29 00-0387	EA	24" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-24).....	4,814.63
23 05 29 00-0388		Pipe Alignment Guide, 2-1/2" Insulation (23 05 29 00-0327)	
23 05 29 00-0389	EA	1/2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1/2).....	553.65

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0390	EA	3/4" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-3/4).....	584.23	24.02
23 05 29 00-0391	EA	1" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1).....	585.38	24.60
23 05 29 00-0392	EA	1-1/4" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1-1/4)	586.51	25.17
23 05 29 00-0393	EA	1-1/2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1-1/2)	587.66	25.75
23 05 29 00-0394	EA	2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-2).....	592.23	28.03
23 05 29 00-0395	EA	2-1/2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-2-1/2)	594.81	29.32
23 05 29 00-0396	EA	3" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-3).....	679.79	30.03
23 05 29 00-0397	EA	4" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-4).....	682.65	31.46
23 05 29 00-0398	EA	5" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-5).....	768.39	40.04
23 05 29 00-0399	EA	6" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-6).....	786.69	49.21
23 05 29 00-0400	EA	8" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-8).....	1,462.81	61.50
23 05 29 00-0401	EA	10" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-10).....	2,210.10	73.80
23 05 29 00-0402	EA	12" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-12).....	2,731.60	98.40
23 05 29 00-0403	EA	14" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-14).....	2,781.29	123.00
23 05 29 00-0404	EA	16" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-16).....	3,344.08	138.44
23 05 29 00-0405	EA	18" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-18).....	3,607.30	153.90
23 05 29 00-0406	EA	20" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-20).....	3,837.43	175.92
23 05 29 00-0407	EA	24" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-24).....	4,823.78	184.79
23 05 29 00-0408 Pipe Alignment Guide, 3" Insulation (23 05 29 00-0327)				
23 05 29 00-0409	EA	1/2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1/2).....	584.23	24.02
23 05 29 00-0410	EA	3/4" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-3/4).....	585.38	24.60
23 05 29 00-0411	EA	1" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1).....	586.51	25.17
23 05 29 00-0412	EA	1-1/4" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1-1/4).....	587.66	25.75
23 05 29 00-0413	EA	1-1/2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1-1/2).....	588.80	26.32
23 05 29 00-0414	EA	2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-2).....	676.93	28.61
23 05 29 00-0415	EA	2-1/2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-2-1/2).....	679.79	30.03
23 05 29 00-0416	EA	3" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-3).....	681.51	30.89
23 05 29 00-0417	EA	4" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-4).....	752.82	32.27
23 05 29 00-0418	EA	5" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-5).....	770.67	41.19
23 05 29 00-0419	EA	6" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-6).....	864.93	50.34
23 05 29 00-0420	EA	8" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-8).....	1,465.67	62.93
23 05 29 00-0421	EA	10" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-10).....	2,213.53	75.52
23 05 29 00-0422	EA	12" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-12).....	2,736.18	100.69
23 05 29 00-0423	EA	14" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-14).....	2,787.01	125.86
23 05 29 00-0424	EA	16" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-16).....	3,350.95	141.88
23 05 29 00-0425	EA	18" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-18).....	3,614.17	157.33
23 05 29 00-0426	EA	20" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-20).....	3,846.02	180.21
23 05 29 00-0427	EA	24" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-24).....	4,832.93	189.36
23 05 29 00-0428 Pipe Alignment Guide, 3-1/2" Insulation (23 05 29 00-0327)				
23 05 29 00-0429	EA	1/2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1/2).....	585.38	24.60
23 05 29 00-0430	EA	3/4" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-3/4).....	670.06	25.17
23 05 29 00-0431	EA	1" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1).....	671.21	25.75
23 05 29 00-0432	EA	1-1/4" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1-1/4).....	672.35	26.32
23 05 29 00-0433	EA	1-1/2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1-1/2)	673.50	26.89
23 05 29 00-0434	EA	2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-2).....	678.36	29.32
23 05 29 00-0435	EA	2-1/2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-2-1/2)	681.28	30.78
23 05 29 00-0436	EA	3" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-3).....	751.62	31.67
23 05 29 00-0437	EA	4" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-4).....	754.65	33.19
23 05 29 00-0438	EA	5" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-5).....	848.91	42.34
23 05 29 00-0439	EA	6" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-6).....	1,442.79	51.49
23 05 29 00-0440	EA	8" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-8).....	2,191.22	64.36
23 05 29 00-0441	EA	10" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-10).....	2,690.10	77.41
23 05 29 00-0442	EA	12" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-12).....	3,273.13	102.98
23 05 29 00-0443	EA	14" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-14).....	3,325.20	129.01
23 05 29 00-0444	EA	16" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-16).....	3,601.10	145.31
23 05 29 00-0445	EA	18" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-18).....	3,808.26	161.33
23 05 29 00-0446	EA	20" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-20).....	4,822.63	184.22
23 05 29 00-0447 Pipe Alignment Guide, 4" Insulation (23 05 29 00-0327)				
23 05 29 00-0448	EA	1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1/2).....	670.06	25.17
23 05 29 00-0449	EA	3/4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-3/4).....	671.21	25.75
23 05 29 00-0450	EA	1" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1).....	672.35	26.32
23 05 29 00-0451	EA	1-1/4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1-1/4).....	673.50	26.89
23 05 29 00-0452	EA	1-1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1-1/2).....	674.64	27.46
23 05 29 00-0453	EA	2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-2).....	748.36	30.03
23 05 29 00-0454	EA	2-1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-2-1/2).....	751.22	31.46
23 05 29 00-0455	EA	3" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-3).....	753.16	32.44
23 05 29 00-0456	EA	4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-4).....	832.32	34.04
23 05 29 00-0457	EA	5" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-5).....	1,426.77	43.48
23 05 29 00-0458	EA	6" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-6).....	1,445.08	52.63
23 05 29 00-0459	EA	8" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-8).....	2,194.08	65.79
23 05 29 00-0460	EA	10" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-10).....	2,694.32	79.52
23 05 29 00-0461	EA	12" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-12).....	3,278.29	105.55
23 05 29 00-0462	EA	14" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-14).....	3,562.68	131.59
23 05 29 00-0463	EA	16" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-16).....	3,783.08	148.74
23 05 29 00-0464	EA	18" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-18).....	4,786.02	165.91
23 05 29 00-0465 Sway Bracing For No Hub Pipe (23 05 29 00-0001)				

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 05 29 00-0466	EA	1-1/2" Sway Bracing	156.92	15.10
		<i>For Work In Restricted Working Space, Add</i>	9.04	
23 05 29 00-0467	EA	2" Sway Bracing.....	161.61	15.91
		<i>For Work In Restricted Working Space, Add</i>	9.54	
23 05 29 00-0468	EA	3" Sway Bracing.....	167.32	16.82
		<i>For Work In Restricted Working Space, Add</i>	10.10	
23 05 29 00-0469	EA	4" Sway Bracing.....	189.93	19.11
		<i>For Work In Restricted Working Space, Add</i>	11.44	
23 05 29 00-0470	EA	6" Sway Bracing.....	278.56	28.61
		<i>For Work In Restricted Working Space, Add</i>	17.16	
23 05 29 00-0471	EA	8" Sway Bracing.....	307.90	35.70
		<i>For Work In Restricted Working Space, Add</i>	21.46	
23 05 29 00-0472	EA	10" Sway Bracing.....	345.87	47.72
		<i>For Work In Restricted Working Space, Add</i>	28.61	

23 05 29 00-0473 Pipe Stand With Adjustable Saddle (Cooper B-Line B3088T-18 Base, B3093 Adjustable Pipe Saddle)

(23 05 29 00-0001)

Note: Heights listed is total for base and adjustable saddle

23 05 29 00-0474	EA	23" to 28" High Pipe Stand With Adjustable Saddle For 1-1/4" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	353.44	11.44
		<i>For Work In Restricted Working Space, Add</i>	6.87	
23 05 29 00-0475	EA	24" to 29" High Pipe Stand With Adjustable Saddle For 1-1/2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	361.09	12.59
		<i>For Work In Restricted Working Space, Add</i>	7.55	
23 05 29 00-0476	EA	24" to 29" High Pipe Stand With Adjustable Saddle For 2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	704.36	14.30
		<i>For Work In Restricted Working Space, Add</i>	8.58	
23 05 29 00-0477	EA	24" to 29" High Pipe Stand With Adjustable Saddle For 2-1/2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	866.66	16.02
		<i>For Work In Restricted Working Space, Add</i>	9.61	
23 05 29 00-0478	EA	24" to 29" High Pipe Stand With Adjustable Saddle For 3" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	877.45	17.73
		<i>For Work In Restricted Working Space, Add</i>	10.64	
23 05 29 00-0479	EA	25" to 29" High Pipe Stand With Adjustable Saddle For 3-1/2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	962.91	20.03
		<i>For Work In Restricted Working Space, Add</i>	12.01	
23 05 29 00-0480	EA	25" to 30" High Pipe Stand With Adjustable Saddle For 4" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,151.62	21.74
		<i>For Work In Restricted Working Space, Add</i>	13.04	
23 05 29 00-0481	EA	25" to 30" High Pipe Stand With Adjustable Saddle For 5" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,164.75	23.46
		<i>For Work In Restricted Working Space, Add</i>	14.07	
23 05 29 00-0482	EA	26" to 31" High Pipe Stand With Adjustable Saddle For 6" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,181.54	25.75
		<i>For Work In Restricted Working Space, Add</i>	15.45	
23 05 29 00-0483	EA	28" to 33" High Pipe Stand With Adjustable Saddle For 8" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,229.20	28.03
		<i>For Work In Restricted Working Space, Add</i>	16.82	
23 05 29 00-0484	EA	29" to 34" High Pipe Stand With Adjustable Saddle For 10" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,314.84	30.89
		<i>For Work In Restricted Working Space, Add</i>	18.54	
23 05 29 00-0485	EA	30" to 35" High Pipe Stand With Adjustable Saddle For 12" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,353.12	34.32
		<i>For Work In Restricted Working Space, Add</i>	20.60	
23 05 29 00-0486	EA	32" to 37" High Pipe Stand With Adjustable Saddle For 14" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,650.65	37.76
		<i>For Work In Restricted Working Space, Add</i>	22.66	
23 05 29 00-0487	EA	33" to 38" High Pipe Stand With Adjustable Saddle For 16" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,797.35	42.34
		<i>For Work In Restricted Working Space, Add</i>	25.40	
23 05 29 00-0488	EA	35" to 40" High Pipe Stand With Adjustable Saddle For 18" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	2,546.26	46.91
		<i>For Work In Restricted Working Space, Add</i>	28.15	
23 05 29 00-0489	EA	36" to 41" High Pipe Stand With Adjustable Saddle For 20" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	3,125.16	51.49
		<i>For Work In Restricted Working Space, Add</i>	30.89	
23 05 29 00-0490	EA	39" to 44" High Pipe Stand With Adjustable Saddle For 24" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	3,741.22	56.06
		<i>For Work In Restricted Working Space, Add</i>	33.64	

23 05 29 00-0491 Channel Mounted Cushion Clamp

(23 05 29 00-0001)

Note: Includes fastening into channel.

23 05 29 00-0492	EA	1/2" Channel Mounted Cushion Clamp For 3/8" Pipe (Cooper B-Line BVT050).....	13.88	5.15
23 05 29 00-0493	EA	5/8" Channel Mounted Cushion Clamp For 1/2" Pipe (Cooper B-Line BVT062).....	14.61	5.72
23 05 29 00-0494	EA	7/8" Channel Mounted Cushion Clamp For 3/4" Pipe (Cooper B-Line BVT087).....	16.20	6.01
23 05 29 00-0495	EA	1-1/8" Channel Mounted Cushion Clamp For 1" Pipe (Cooper B-Line BVT112).....	17.36	6.29
23 05 29 00-0496	EA	1-3/8" Channel Mounted Cushion Clamp For 1-1/4" Pipe (Cooper B-Line BVT137)	19.39	6.87
23 05 29 00-0497	EA	1-5/8" Channel Mounted Cushion Clamp For 1-1/2" Pipe (Cooper B-Line BVT162)	21.70	7.15
23 05 29 00-0498	EA	2-1/8" Channel Mounted Cushion Clamp For 2" Pipe (Cooper B-Line BVT212).....	27.51	7.44
23 05 29 00-0499	EA	2-5/8" Channel Mounted Cushion Clamp For 2-1/2" Pipe (Cooper B-Line BVT262)	30.44	8.00
23 05 29 00-0500	EA	3-1/8" Channel Mounted Cushion Clamp For 3" Pipe (Cooper B-Line BVT312).....	37.45	9.15
23 05 29 00-0501	EA	4-1/8" Channel Mounted Cushion Clamp For 4" Pipe (Cooper B-Line BVT412).....	57.00	10.30

23 05 29 00-0502 Galvanized Steel Cushion Tube Clamp (KMC)

(23 05 29 00-0001)

Note: Excludes fastening bolt and drilling if necessary.

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0503	EA	1/2" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3/8" Pipe..... Note: 19/32" Center To Center Length, 9/32" Hole Diameter For Screw	4.54	
23 05 29 00-0504	EA	1/2" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3/8" Pipe..... Note: 23/32" Center To Center Length, 13/32" Hole Diameter For Screw	4.72	
23 05 29 00-0505	EA	5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1/2" Pipe..... Note: 23/32" Center To Center Length, 9/32" Hole Diameter For Screw	4.85	
23 05 29 00-0506	EA	5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1/2" Pipe..... Note: 27/32" Center To Center Length, 13/32" Hole Diameter For Screw	5.16	
23 05 29 00-0507	EA	7/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3/4" Pipe..... Note: 27/32" Center To Center Length, 9/32" Hole Diameter For Screw	4.79	
23 05 29 00-0508	EA	7/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3/4" Pipe..... Note: 31/32" Center To Center Length, 13/32" Hole Diameter For Screw	5.35	
23 05 29 00-0509	EA	1-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1" Pipe Note: 31/32" Center To Center Length, 9/32" Hole Diameter For Screw	5.01	
23 05 29 00-0510	EA	1-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1" Pipe Note: 1-1/32" Center To Center Length, 13/32" Hole Diameter For Screw	5.69	
23 05 29 00-0511	EA	1-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 1" Pipe Note: 1-5/32" Center To Center Length, 17/32" Hole Diameter For Screw	5.73	
23 05 29 00-0512	EA	1-3/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1-1/4" Pipe Note: 1-3/32" Center To Center Length, 9/32" Hole Diameter For Screw	5.32	
23 05 29 00-0513	EA	1-3/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1-1/4" Pipe Note: 1-7/32" Center To Center Length, 13/32" Hole Diameter For Screw	5.63	
23 05 29 00-0514	EA	1-3/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 1-1/4" Pipe Note: 1-11/16" Center To Center Length, 17/32" Hole Diameter For Screw	6.60	
23 05 29 00-0515	EA	1-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1-1/2" Pipe Note: 1-5/16" Center To Center Length, 9/32" Hole Diameter For Screw	5.66	
23 05 29 00-0516	EA	1-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1-1/2" Pipe Note: 1-9/16" Center To Center Length, 13/32" Hole Diameter For Screw	6.29	
23 05 29 00-0517	EA	1-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 1-1/2" Pipe Note: 1-13/16" Center To Center Length, 17/32" Hole Diameter For Screw	7.32	
23 05 29 00-0518	EA	2-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 2" Pipe Note: 1-7/16" Center To Center Length, 9/32" Hole Diameter For Screw	7.42	
23 05 29 00-0519	EA	2-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 2" Pipe Note: 1-9/16" Center To Center Length, 13/32" Hole Diameter For Screw	7.98	
23 05 29 00-0520	EA	2-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 2" Pipe Note: 1-11/16" Center To Center Length, 17/32" Hole Diameter For Screw	9.10	
23 05 29 00-0521	EA	2-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 2-1/2" Pipe Note: 1-11/16" Center To Center Length, 9/32" Hole Diameter For Screw	9.45	
23 05 29 00-0522	EA	2-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 2-1/2" Pipe Note: 1-13/16" Center To Center Length, 13/32" Hole Diameter For Screw	11.14	
23 05 29 00-0523	EA	2-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 2-1/2" Pipe Note: 1-15/16" Center To Center Length, 17/32" Hole Diameter For Screw	11.26	
23 05 29 00-0524	EA	3-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3" Pipe Note: 1-15/16" Center To Center Length, 9/32" Hole Diameter For Screw	9.79	
23 05 29 00-0525	EA	3-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3" Pipe Note: 2-1/16" Center To Center Length, 13/32" Hole Diameter For Screw	11.14	
23 05 29 00-0526	EA	3-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 3" Pipe Note: 2-3/16" Center To Center Length, 17/32" Hole Diameter For Screw	11.95	
23 05 29 00-0527	EA	3-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3-1/2" Pipe Note: 2-3/16" Center To Center Length, 9/32" Hole Diameter For Screw	10.23	
23 05 29 00-0528	EA	3-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3-1/2" Pipe Note: 2-5/16" Center To Center Length, 13/32" Hole Diameter For Screw	11.05	
23 05 29 00-0529	EA	3-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 3-1/2" Pipe Note: 2-7/16" Center To Center Length, 17/32" Hole Diameter For Screw	14.21	
23 05 29 00-0530	EA	4" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 4" Pipe..... Note: 2-7/16" Center To Center Length, 9/32" Hole Diameter For Screw	10.14	
23 05 29 00-0531	EA	4" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 4" Pipe..... Note: 2-9/16" Center To Center Length, 13/32" Hole Diameter For Screw	11.33	
23 05 29 00-0532	EA	4" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 4" Pipe Note: 2-11/16" Center To Center Length, 17/32" Hole Diameter For Screw	14.89	
23 05 29 00-0533		Rooftop Pipe Supports (23 05 29 00-0001) Note: Excludes pipe/conduit clamps and straps.		
23 05 29 00-0534		Mechanical Supports (Pipe Pier®) (23 05 29 00-0533) Note: Includes installation of support block. Excludes strut accessories.		
23 05 29 00-0535	EA	4" x 12" x 12", 150 Lb. Max Load, Support Block (Pipe Pier® 150).....	204.58	3.21
23 05 29 00-0536		Rooftop Support Base (23 05 29 00-0533)		
23 05 29 00-0537	EA	4" x 6" x 4.8" Rooftop Support Base (Cooper B-Line Dura-Blok DBM).....	43.90	9.32
23 05 29 00-0538	EA	4" x 6" x 9.6" Rooftop Support Base (Cooper B-Line Dura-Blok DBP).....	61.29	12.43
23 05 29 00-0539		Rooftop Support Base With 14 Gauge Galvanized Channel (23 05 29 00-0533)		
23 05 29 00-0540	EA	5" x 6" x 4.8" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB5).....	50.19	9.32
23 05 29 00-0541	EA	5" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10).....	71.51	12.43
23 05 29 00-0542	EA	5" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB20).....	133.84	15.53
23 05 29 00-0543	EA	5" x 6" x 30.8" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB30).....	185.66	18.64
23 05 29 00-0544	EA	5" x 6" x 41.4" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB40).....	258.08	21.75
23 05 29 00-0545	EA	5" x 6" x 52" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB48).....	271.72	24.85
23 05 29 00-0546		Rooftop Support Base With 12 Gauge Galvanized Channel (23 05 29 00-0533)		
23 05 29 00-0547	EA	6-7/16" x 6" x 9.6" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB610).....	88.21	12.43
23 05 29 00-0548	EA	6-7/16" x 6" x 20.2" Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB620).....	141.29	15.53
23 05 29 00-0549	EA	6-7/16" x 6" x 30.8" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB630).....	188.64	18.64

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
23 05 29 00-0550	EA	6-7/16" x 6" x 41.4" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB640)	258.24		21.75
23 05 29 00-0551	EA	6-7/16" x 6" x 52" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB648)	291.93		18.64
23 05 29 00-0552		Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (23 05 29 00-0533)			
23 05 29 00-0553	EA	5-5/8" x 6" x 28" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-28)	148.27		18.64
23 05 29 00-0554	EA	5-5/8" x 6" x 36" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-36)	168.74		21.75
23 05 29 00-0555	EA	5-5/8" x 6" x 42" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-42)	174.90		24.85
23 05 29 00-0556	EA	5-5/8" x 6" x 50" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-50)	191.26		27.96
23 05 29 00-0557	EA	5-5/8" x 6" x 60" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-60)	245.91		31.07
23 05 29 00-0558		Rooftop Pipe Support Base And Rod (23 05 29 00-0533)			
23 05 29 00-0559	EA	9.69" To 11.19" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1/2CT)	107.98		12.43
23 05 29 00-0560	EA	9.84" To 11.34" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-3/4CT)	107.98		12.43
23 05 29 00-0561	EA	9.95" To 11.45" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1CT)	108.61		12.43
23 05 29 00-0562	EA	10.13" To 11.63" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1-1/4CT)	115.47		15.53
23 05 29 00-0563	EA	10.28" To 11.78" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1-1/2CT)	110.90		15.53
23 05 29 00-0564	EA	10.53" To 12.03" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-2CT)	116.76		15.53
23 05 29 00-0565		Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (23 05 29 00-0533)			
23 05 29 00-0566	EA	7.09" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR2-3 1/2)	137.90		12.43
23 05 29 00-0567	EA	7.09" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR4-6)	154.31		12.43
23 05 29 00-0568	EA	8.34" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR8-10)	202.47		15.53
23 05 29 00-0569	EA	9.38" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR12-14)	269.53		15.53
23 05 29 00-0570	EA	9.78" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR16-20)	369.13		15.53
23 05 29 00-0571		Rooftop Support Base And Adjustable Height Roller Assembly (23 05 29 00-0533)			
Note: Includes base, two zinc all threaded rod risers and pipe roller.					
23 05 29 00-0572	EA	Up To 12" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Roller Assembly (Cooper B-Line Dura-Blok DBR10-12)	171.00		18.64
23 05 29 00-0573		Rooftop Support Base And Adjustable Height Channel Assembly (23 05 29 00-0533)			
Note: Includes base, two zinc all threaded rod and 14 gauge slotted channel.					
23 05 29 00-0574	EA	Up To 8" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-8)	111.20		15.53
23 05 29 00-0575	EA	Up To 12" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-12)	152.25		18.64
23 05 29 00-0576	EA	Up To 16" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-16)	169.51		21.75
23 05 29 00-0577		Rooftop Support Bases With Channel Support And Risers Assembly (23 05 29 00-0533)			
Note: Includes two support bases, two 12 gauge galvanized channel risers and one 12 gauge galvanized channel support. Dimensions are "overall" (height x width x length).					
23 05 29 00-0578	EA	23" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2318DS)	416.94		24.85
23 05 29 00-0579	EA	29" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2918DS)	421.66		24.85
23 05 29 00-0580	EA	41" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4118DS)	438.22		24.85
23 05 29 00-0581	EA	53" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5318DS)	476.23		24.85
23 05 29 00-0582	EA	23" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2324DS)	408.52		24.85
23 05 29 00-0583	EA	29" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2924DS)	424.36		24.85
23 05 29 00-0584	EA	41" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4124DS)	440.92		24.85
23 05 29 00-0585	EA	53" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5324DS)	478.91		24.85
23 05 29 00-0586	EA	23" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2336DS)	427.35		24.85
23 05 29 00-0587	EA	29" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2936DS)	432.88		24.85
23 05 29 00-0588	EA	41" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4136DS)	449.11		24.85
23 05 29 00-0589	EA	53" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5336DS)	487.28		24.85
23 05 29 00-0590	EA	23" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2348DS)	446.59		24.85

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0591	EA	29" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2948DS)	451.63	24.85
23 05 29 00-0592	EA	41" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4148DS)	467.87	24.85
23 05 29 00-0593	EA	53" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5348DS)	506.03	24.85
23 05 29 00-0594		Threaded Rod, Accessories And Attachments (23 05 29)		
23 05 29 00-0595		Threaded Rod And Rod Accessories (23 05 29 00-0594)		
23 05 29 00-0596		Threaded Rod (23 05 29 00-0595) Note: Fully threaded.		
23 05 29 00-0597	LF	3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	4.55	0.78
		For Zinc Plated, Add	0.86	
		For Galvanized, Add	1.20	
		For Work In Restricted Working Space, Add	0.47	
23 05 29 00-0598	LF	1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	6.42	0.84
		For Zinc Plated, Add	1.36	
		For Galvanized, Add	1.91	
		For Work In Restricted Working Space, Add	0.50	
23 05 29 00-0599	LF	5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	9.10	0.86
		For Zinc Plated, Add	2.11	
		For Galvanized, Add	2.96	
		For Work In Restricted Working Space, Add	0.51	
23 05 29 00-0600	LF	3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	15.19	0.89
		For Zinc Plated, Add	3.83	
		For Galvanized, Add	5.37	
		For Work In Restricted Working Space, Add	0.53	
23 05 29 00-0601	LF	7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	16.59	0.92
		For Zinc Plated, Add	4.21	
		For Galvanized, Add	5.90	
		For Work In Restricted Working Space, Add	0.55	
23 05 29 00-0602	LF	1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	22.79	1.03
		For Zinc Plated, Add	5.91	
		For Galvanized, Add	8.29	
		For Work In Restricted Working Space, Add	0.62	
23 05 29 00-0603	LF	1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	28.44	1.15
		For Zinc Plated, Add	7.45	
		For Galvanized, Add	10.46	
		For Work In Restricted Working Space, Add	0.69	
23 05 29 00-0604		Rod Couplings (23 05 29 00-0595)		
23 05 29 00-0605	EA	3/8" Diameter, Threaded Rod Coupling Nut	9.45	
		For Work In Restricted Working Space, Add	2.29	
23 05 29 00-0606	EA	1/2" Diameter, Threaded Rod Coupling Nut	10.74	
		For Work In Restricted Working Space, Add	2.54	
23 05 29 00-0607	EA	5/8" Diameter, Threaded Rod Coupling Nut	13.57	
		For Work In Restricted Working Space, Add	2.86	
23 05 29 00-0608	EA	3/4" Diameter, Threaded Rod Coupling Nut	16.71	
		For Work In Restricted Working Space, Add	3.12	
23 05 29 00-0609	EA	7/8" Diameter, Threaded Rod Coupling Nut	24.99	
		For Work In Restricted Working Space, Add	3.43	
23 05 29 00-0610	EA	1" Diameter, Threaded Rod Coupling Nut	29.67	
		For Work In Restricted Working Space, Add	4.04	
23 05 29 00-0611	EA	1-1/8" Diameter, Threaded Rod Coupling Nut	58.16	
		For Work In Restricted Working Space, Add	4.58	
23 05 29 00-0612		Flat Washers (23 05 29 00-0595) Note: Zinc plated.		
23 05 29 00-0613	EA	3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.67	0.25
		For Galvanized, Add	0.04	
		For Work In Restricted Working Space, Add	0.15	
23 05 29 00-0614	EA	1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.92	0.25
		For Galvanized, Add	0.09	
		For Work In Restricted Working Space, Add	0.17	
23 05 29 00-0615	EA	5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.35	0.37
		For Galvanized, Add	0.17	
		For Work In Restricted Working Space, Add	0.21	
23 05 29 00-0616	EA	3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.84	0.37
		For Galvanized, Add	0.24	
		For Work In Restricted Working Space, Add	0.27	
23 05 29 00-0617	EA	7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.17	0.49
		For Galvanized, Add	0.28	
		For Work In Restricted Working Space, Add	0.31	
23 05 29 00-0618	EA	1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.54	0.49
		For Galvanized, Add	0.35	
		For Work In Restricted Working Space, Add	0.35	
23 05 29 00-0619	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.87	0.62
		For Galvanized, Add	0.39	
		For Work In Restricted Working Space, Add	0.39	
23 05 29 00-0620		Hex Nuts (23 05 29 00-0595) Note: Grade 2 and zinc plated.		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**
 MINOR
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 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 05 29 00-0621	EA	3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.83	0.31
		<i>For Galvanized, Add</i>	0.03	
		<i>For Work In Restricted Working Space, Add</i>	0.21	
23 05 29 00-0622	EA	1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.07	0.31
		<i>For Galvanized, Add</i>	0.07	
		<i>For Work In Restricted Working Space, Add</i>	0.23	
23 05 29 00-0623	EA	5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.48	0.31
		<i>For Galvanized, Add</i>	0.17	
		<i>For Work In Restricted Working Space, Add</i>	0.25	
23 05 29 00-0624	EA	3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.76	0.62
		<i>For Galvanized, Add</i>	0.22	
		<i>For Work In Restricted Working Space, Add</i>	0.26	
23 05 29 00-0625	EA	7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	2.60	0.62
		<i>For Galvanized, Add</i>	0.42	
		<i>For Work In Restricted Working Space, Add</i>	0.28	
23 05 29 00-0626	EA	1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	3.31	0.62
		<i>For Galvanized, Add</i>	0.57	
		<i>For Work In Restricted Working Space, Add</i>	0.31	
23 05 29 00-0627	EA	1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	5.45	0.62
		<i>For Galvanized, Add</i>	1.08	
		<i>For Work In Restricted Working Space, Add</i>	0.35	

23 05 29 00-0628 Turnbuckle (Cooper B-Line B3202) (23 05 29 00-0595)

Note: Type 13.

23 05 29 00-0629	EA	3/8" Turnbuckle (Cooper B-Line B3202)	28.64	6.21
		<i>For Work In Restricted Working Space, Add</i>	3.73	
23 05 29 00-0630	EA	1/2" Turnbuckle (Cooper B-Line B3202)	33.97	6.83
		<i>For Work In Restricted Working Space, Add</i>	4.14	
23 05 29 00-0631	EA	5/8" Turnbuckle (Cooper B-Line B3202)	36.60	7.46
		<i>For Work In Restricted Working Space, Add</i>	4.66	
23 05 29 00-0632	EA	3/4" Turnbuckle (Cooper B-Line B3202)	45.98	8.70
		<i>For Work In Restricted Working Space, Add</i>	5.33	
23 05 29 00-0633	EA	7/8" Turnbuckle (Cooper B-Line B3202)	59.40	9.32
		<i>For Work In Restricted Working Space, Add</i>	6.22	
23 05 29 00-0634	EA	1" Turnbuckle (Cooper B-Line B3202)	73.69	9.95
		<i>For Work In Restricted Working Space, Add</i>	7.46	
23 05 29 00-0635	EA	1-1/8" Turnbuckle (Cooper B-Line B3202)	102.06	11.19
		<i>For Work In Restricted Working Space, Add</i>	9.32	

23 05 29 00-0636 Swivel Turnbuckle (Cooper B-Line B3224) (23 05 29 00-0595)

Note: Type 15.

23 05 29 00-0637	EA	3/8" Swivel Turnbuckle (Cooper B-Line B3224)	18.40	6.21
		<i>For Work In Restricted Working Space, Add</i>	3.73	
23 05 29 00-0638	EA	1/2" Swivel Turnbuckle (Cooper B-Line B3224)	21.25	6.95
		<i>For Work In Restricted Working Space, Add</i>	4.14	
23 05 29 00-0639	EA	5/8" Swivel Turnbuckle (Cooper B-Line B3224)	28.02	7.71
		<i>For Work In Restricted Working Space, Add</i>	4.66	
23 05 29 00-0640	EA	3/4" Swivel Turnbuckle (Cooper B-Line B3224)	33.82	8.83
		<i>For Work In Restricted Working Space, Add</i>	5.33	

23 05 29 00-0641 Forged Steel Clevis (Cooper B-Line B3201) (23 05 29 00-0595)

Note: Type 14.

23 05 29 00-0642	EA	3-9/16" Forged Steel Clevis With Pin, 3/8" To 5/8" Rod Size (Cooper B-Line B3201)	94.44	11.44
		<i>For Work In Restricted Working Space, Add</i>	6.87	
23 05 29 00-0643	EA	4" Forged Steel Clevis With Pin, 3/4" To 7/8" Rod Size (Cooper B-Line B3201)	138.77	12.01
		<i>For Work In Restricted Working Space, Add</i>	7.22	
23 05 29 00-0644	EA	5-1/16" Forged Steel Clevis With Pin, 1" Rod Size (Cooper B-Line B3201)	150.06	12.59
		<i>For Work In Restricted Working Space, Add</i>	7.63	
23 05 29 00-0645	EA	5-1/16" Forged Steel Clevis With Pin, 1-1/8" Rod Size (Cooper B-Line B3201)	156.29	13.73
		<i>For Work In Restricted Working Space, Add</i>	8.08	
23 05 29 00-0646	EA	5-1/16" Forged Steel Clevis With Pin, 1-1/4" Rod Size (Cooper B-Line B3201)	164.61	15.45
		<i>For Work In Restricted Working Space, Add</i>	9.15	
23 05 29 00-0647	EA	6" Forged Steel Clevis With Pin, 1-1/2" Rod Size (Cooper B-Line B3201)	273.72	20.03
		<i>For Work In Restricted Working Space, Add</i>	12.01	
23 05 29 00-0648	EA	5-15/16" Forged Steel Clevis With Pin, 1-3/4" Rod Size (Cooper B-Line B3201)	297.22	22.89
		<i>For Work In Restricted Working Space, Add</i>	13.73	
23 05 29 00-0649	EA	7" Forged Steel Clevis With Pin, 2" Rod Size (Cooper B-Line B3201)	350.56	28.61
		<i>For Work In Restricted Working Space, Add</i>	17.16	

23 05 29 00-0650 Welded Eye Rod (Cooper B-Line B3211) (23 05 29 00-0595)

23 05 29 00-0651	EA	3/8" Diameter x 8" Length Shank, Welded Eye Rod	28.54	6.71
		<i>For Work In Restricted Working Space, Add</i>	4.04	
23 05 29 00-0652	EA	3/8" Diameter x 10" Length Shank, Welded Eye Rod	29.45	6.83
		<i>For Work In Restricted Working Space, Add</i>	4.12	
23 05 29 00-0653	EA	3/8" Diameter x 12" Length Shank, Welded Eye Rod	30.35	6.95
		<i>For Work In Restricted Working Space, Add</i>	4.19	
23 05 29 00-0654	EA	3/8" Diameter x 14" Length Shank, Welded Eye Rod	30.61	7.09
		<i>For Work In Restricted Working Space, Add</i>	4.27	
23 05 29 00-0655	EA	3/8" Diameter x 18" Length Shank, Welded Eye Rod	32.43	7.33
		<i>For Work In Restricted Working Space, Add</i>	4.43	
23 05 29 00-0656	EA	3/8" Diameter x 24" Length Shank, Welded Eye Rod	34.53	7.83
		<i>For Work In Restricted Working Space, Add</i>	4.66	
23 05 29 00-0657	EA	3/8" Diameter x 30" Length Shank, Welded Eye Rod	35.95	8.20
		<i>For Work In Restricted Working Space, Add</i>	4.89	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0658	EA	3/8" Diameter x 36" Length Shank, Welded Eye Rod.....	38.71	8.57
		For Work In Restricted Working Space, Add	5.13	
23 05 29 00-0659	EA	3/8" Diameter x 42" Length Shank, Welded Eye Rod.....	40.79	8.95
		For Work In Restricted Working Space, Add	5.36	
23 05 29 00-0660	EA	3/8" Diameter x 48" Length Shank, Welded Eye Rod.....	42.88	9.32
		For Work In Restricted Working Space, Add	5.59	
23 05 29 00-0661	EA	1/2" Diameter x 8" Length Shank, Welded Eye Rod.....	37.82	7.46
		For Work In Restricted Working Space, Add	4.47	
23 05 29 00-0662	EA	1/2" Diameter x 10" Length Shank, Welded Eye Rod.....	38.74	7.58
		For Work In Restricted Working Space, Add	4.55	
23 05 29 00-0663	EA	1/2" Diameter x 12" Length Shank, Welded Eye Rod.....	39.69	7.71
		For Work In Restricted Working Space, Add	4.64	
23 05 29 00-0664	EA	1/2" Diameter x 14" Length Shank, Welded Eye Rod.....	40.62	7.83
		For Work In Restricted Working Space, Add	4.72	
23 05 29 00-0665	EA	1/2" Diameter x 18" Length Shank, Welded Eye Rod.....	42.47	8.08
		For Work In Restricted Working Space, Add	4.88	
23 05 29 00-0666	EA	1/2" Diameter x 24" Length Shank, Welded Eye Rod.....	45.92	8.58
		For Work In Restricted Working Space, Add	5.13	
23 05 29 00-0667	EA	1/2" Diameter x 30" Length Shank, Welded Eye Rod.....	48.72	8.95
		For Work In Restricted Working Space, Add	5.38	
23 05 29 00-0668	EA	1/2" Diameter x 36" Length Shank, Welded Eye Rod.....	52.16	9.32
		For Work In Restricted Working Space, Add	5.63	
23 05 29 00-0669	EA	1/2" Diameter x 42" Length Shank, Welded Eye Rod.....	54.93	9.82
		For Work In Restricted Working Space, Add	5.88	
23 05 29 00-0670	EA	1/2" Diameter x 48" Length Shank, Welded Eye Rod.....	57.74	10.19
		For Work In Restricted Working Space, Add	6.12	
23 05 29 00-0671	EA	5/8" Diameter x 8" Length Shank, Welded Eye Rod.....	50.73	8.33
		For Work In Restricted Working Space, Add	5.00	
23 05 29 00-0672	EA	5/8" Diameter x 10" Length Shank, Welded Eye Rod.....	52.30	8.46
		For Work In Restricted Working Space, Add	5.09	
23 05 29 00-0673	EA	5/8" Diameter x 12" Length Shank, Welded Eye Rod.....	53.93	8.58
		For Work In Restricted Working Space, Add	5.18	
23 05 29 00-0674	EA	5/8" Diameter x 14" Length Shank, Welded Eye Rod.....	54.87	8.83
		For Work In Restricted Working Space, Add	5.26	
23 05 29 00-0675	EA	5/8" Diameter x 18" Length Shank, Welded Eye Rod.....	57.40	9.07
		For Work In Restricted Working Space, Add	5.43	
23 05 29 00-0676	EA	5/8" Diameter x 24" Length Shank, Welded Eye Rod.....	61.53	9.44
		For Work In Restricted Working Space, Add	5.69	
23 05 29 00-0677	EA	5/8" Diameter x 30" Length Shank, Welded Eye Rod.....	65.65	9.95
		For Work In Restricted Working Space, Add	5.95	
23 05 29 00-0678	EA	5/8" Diameter x 36" Length Shank, Welded Eye Rod.....	69.13	10.32
		For Work In Restricted Working Space, Add	6.21	
23 05 29 00-0679	EA	5/8" Diameter x 42" Length Shank, Welded Eye Rod.....	73.27	10.81
		For Work In Restricted Working Space, Add	6.47	
23 05 29 00-0680	EA	5/8" Diameter x 48" Length Shank, Welded Eye Rod.....	77.38	11.19
		For Work In Restricted Working Space, Add	6.72	
23 05 29 00-0681	EA	3/4" Diameter x 8" Length Shank, Welded Eye Rod.....	62.16	9.44
		For Work In Restricted Working Space, Add	5.69	
23 05 29 00-0682	EA	3/4" Diameter x 10" Length Shank, Welded Eye Rod.....	64.42	9.57
		For Work In Restricted Working Space, Add	5.77	
23 05 29 00-0683	EA	3/4" Diameter x 12" Length Shank, Welded Eye Rod.....	66.02	9.82
		For Work In Restricted Working Space, Add	5.86	
23 05 29 00-0684	EA	3/4" Diameter x 14" Length Shank, Welded Eye Rod.....	68.28	9.95
		For Work In Restricted Working Space, Add	5.95	
23 05 29 00-0685	EA	3/4" Diameter x 18" Length Shank, Welded Eye Rod.....	72.15	10.19
		For Work In Restricted Working Space, Add	6.13	
23 05 29 00-0686	EA	3/4" Diameter x 24" Length Shank, Welded Eye Rod.....	77.59	10.69
		For Work In Restricted Working Space, Add	6.39	
23 05 29 00-0687	EA	3/4" Diameter x 30" Length Shank, Welded Eye Rod.....	83.06	11.06
		For Work In Restricted Working Space, Add	6.66	
23 05 29 00-0688	EA	3/4" Diameter x 36" Length Shank, Welded Eye Rod.....	89.20	11.56
		For Work In Restricted Working Space, Add	6.92	
23 05 29 00-0689	EA	3/4" Diameter x 42" Length Shank, Welded Eye Rod.....	95.28	11.93
		For Work In Restricted Working Space, Add	7.19	
23 05 29 00-0690	EA	3/4" Diameter x 48" Length Shank, Welded Eye Rod.....	100.76	12.43
		For Work In Restricted Working Space, Add	7.45	
23 05 29 00-0691	EA	7/8" Diameter x 8" Length Shank, Welded Eye Rod.....	74.35	10.94
		For Work In Restricted Working Space, Add	6.60	
23 05 29 00-0692	EA	7/8" Diameter x 10" Length Shank, Welded Eye Rod.....	77.27	11.19
		For Work In Restricted Working Space, Add	6.69	
23 05 29 00-0693	EA	7/8" Diameter x 12" Length Shank, Welded Eye Rod.....	79.55	11.32
		For Work In Restricted Working Space, Add	6.78	
23 05 29 00-0694	EA	7/8" Diameter x 14" Length Shank, Welded Eye Rod.....	81.82	11.44
		For Work In Restricted Working Space, Add	6.87	
23 05 29 00-0695	EA	7/8" Diameter x 18" Length Shank, Welded Eye Rod.....	86.37	11.81
		For Work In Restricted Working Space, Add	7.06	
23 05 29 00-0696	EA	7/8" Diameter x 24" Length Shank, Welded Eye Rod.....	93.82	12.18
		For Work In Restricted Working Space, Add	7.33	
23 05 29 00-0697	EA	7/8" Diameter x 30" Length Shank, Welded Eye Rod.....	100.63	12.68
		For Work In Restricted Working Space, Add	7.61	
23 05 29 00-0698	EA	7/8" Diameter x 36" Length Shank, Welded Eye Rod.....	108.09	13.18
		For Work In Restricted Working Space, Add	7.88	
23 05 29 00-0699	EA	7/8" Diameter x 42" Length Shank, Welded Eye Rod.....	114.91	13.55
		For Work In Restricted Working Space, Add	8.16	
23 05 29 00-0700	EA	7/8" Diameter x 48" Length Shank, Welded Eye Rod.....	121.72	14.04
		For Work In Restricted Working Space, Add	8.44	
23 05 29 00-0701	EA	1" Diameter x 8" Length Shank, Welded Eye Rod.....	93.01	13.18
		For Work In Restricted Working Space, Add	7.87	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**
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 UNIT COST UNIT COST

23 05 29 00-0702	EA	1" Diameter x 10" Length Shank, Welded Eye Rod	95.98	13.30
		<i>For Work In Restricted Working Space, Add</i>	7.98	
23 05 29 00-0703	EA	1" Diameter x 12" Length Shank, Welded Eye Rod	98.95	13.42
		<i>For Work In Restricted Working Space, Add</i>	8.08	
23 05 29 00-0704	EA	1" Diameter x 14" Length Shank, Welded Eye Rod	101.90	13.67
		<i>For Work In Restricted Working Space, Add</i>	8.18	
23 05 29 00-0705	EA	1" Diameter x 18" Length Shank, Welded Eye Rod	107.81	14.04
		<i>For Work In Restricted Working Space, Add</i>	8.39	
23 05 29 00-0706	EA	1" Diameter x 24" Length Shank, Welded Eye Rod	116.72	14.55
		<i>For Work In Restricted Working Space, Add</i>	8.70	
23 05 29 00-0707	EA	1" Diameter x 30" Length Shank, Welded Eye Rod	125.62	15.04
		<i>For Work In Restricted Working Space, Add</i>	9.01	
23 05 29 00-0708	EA	1" Diameter x 36" Length Shank, Welded Eye Rod	135.13	15.53
		<i>For Work In Restricted Working Space, Add</i>	9.32	
23 05 29 00-0709	EA	1" Diameter x 42" Length Shank, Welded Eye Rod	144.02	16.04
		<i>For Work In Restricted Working Space, Add</i>	9.63	
23 05 29 00-0710	EA	1" Diameter x 48" Length Shank, Welded Eye Rod	152.93	16.53
		<i>For Work In Restricted Working Space, Add</i>	9.95	

23 05 29 00-0711 Welded Linked Eye Rod (Cooper B-Line B3211X) (23 05 29 00-0595)

23 05 29 00-0712	EA	3/8" Diameter x 16" Length Shank, Linked Welded Eye Rod	58.77	9.07
		<i>For Work In Restricted Working Space, Add</i>	5.47	
23 05 29 00-0713	EA	3/8" Diameter x 20" Length Shank, Linked Welded Eye Rod	60.36	9.32
		<i>For Work In Restricted Working Space, Add</i>	5.62	
23 05 29 00-0714	EA	3/8" Diameter x 24" Length Shank, Linked Welded Eye Rod	61.96	9.69
		<i>For Work In Restricted Working Space, Add</i>	5.78	
23 05 29 00-0715	EA	3/8" Diameter x 30" Length Shank, Linked Welded Eye Rod	62.75	10.06
		<i>For Work In Restricted Working Space, Add</i>	6.02	
23 05 29 00-0716	EA	3/8" Diameter x 36" Length Shank, Linked Welded Eye Rod	65.67	10.44
		<i>For Work In Restricted Working Space, Add</i>	6.24	
23 05 29 00-0717	EA	3/8" Diameter x 48" Length Shank, Linked Welded Eye Rod	69.44	11.18
		<i>For Work In Restricted Working Space, Add</i>	6.71	
23 05 29 00-0718	EA	3/8" Diameter x 60" Length Shank, Linked Welded Eye Rod	72.07	11.93
		<i>For Work In Restricted Working Space, Add</i>	7.18	
23 05 29 00-0719	EA	3/8" Diameter x 72" Length Shank, Linked Welded Eye Rod	76.91	12.80
		<i>For Work In Restricted Working Space, Add</i>	7.64	
23 05 29 00-0720	EA	1/2" Diameter x 16" Length Shank, Linked Welded Eye Rod	75.65	10.07
		<i>For Work In Restricted Working Space, Add</i>	6.04	
23 05 29 00-0721	EA	1/2" Diameter x 20" Length Shank, Linked Welded Eye Rod	77.28	10.32
		<i>For Work In Restricted Working Space, Add</i>	6.21	
23 05 29 00-0722	EA	1/2" Diameter x 24" Length Shank, Linked Welded Eye Rod	78.96	10.56
		<i>For Work In Restricted Working Space, Add</i>	6.37	
23 05 29 00-0723	EA	1/2" Diameter x 30" Length Shank, Linked Welded Eye Rod	80.88	11.06
		<i>For Work In Restricted Working Space, Add</i>	6.62	
23 05 29 00-0724	EA	1/2" Diameter x 36" Length Shank, Linked Welded Eye Rod	83.85	11.44
		<i>For Work In Restricted Working Space, Add</i>	6.87	
23 05 29 00-0725	EA	1/2" Diameter x 48" Length Shank, Linked Welded Eye Rod	89.89	12.30
		<i>For Work In Restricted Working Space, Add</i>	7.37	
23 05 29 00-0726	EA	1/2" Diameter x 60" Length Shank, Linked Welded Eye Rod	94.83	13.05
		<i>For Work In Restricted Working Space, Add</i>	7.86	
23 05 29 00-0727	EA	1/2" Diameter x 72" Length Shank, Linked Welded Eye Rod	100.85	13.92
		<i>For Work In Restricted Working Space, Add</i>	8.36	
23 05 29 00-0728	EA	5/8" Diameter x 16" Length Shank, Linked Welded Eye Rod	100.87	11.19
		<i>For Work In Restricted Working Space, Add</i>	6.75	
23 05 29 00-0729	EA	5/8" Diameter x 20" Length Shank, Linked Welded Eye Rod	103.59	11.56
		<i>For Work In Restricted Working Space, Add</i>	6.92	
23 05 29 00-0730	EA	5/8" Diameter x 24" Length Shank, Linked Welded Eye Rod	106.37	11.81
		<i>For Work In Restricted Working Space, Add</i>	7.09	
23 05 29 00-0731	EA	5/8" Diameter x 30" Length Shank, Linked Welded Eye Rod	108.32	12.30
		<i>For Work In Restricted Working Space, Add</i>	7.35	
23 05 29 00-0732	EA	5/8" Diameter x 36" Length Shank, Linked Welded Eye Rod	112.45	12.68
		<i>For Work In Restricted Working Space, Add</i>	7.61	
23 05 29 00-0733	EA	5/8" Diameter x 48" Length Shank, Linked Welded Eye Rod	119.62	13.55
		<i>For Work In Restricted Working Space, Add</i>	8.12	
23 05 29 00-0734	EA	5/8" Diameter x 60" Length Shank, Linked Welded Eye Rod	126.77	14.42
		<i>For Work In Restricted Working Space, Add</i>	8.63	
23 05 29 00-0735	EA	5/8" Diameter x 72" Length Shank, Linked Welded Eye Rod	132.86	15.29
		<i>For Work In Restricted Working Space, Add</i>	9.15	
23 05 29 00-0736	EA	3/4" Diameter x 16" Length Shank, Linked Welded Eye Rod	127.27	12.68
		<i>For Work In Restricted Working Space, Add</i>	7.64	
23 05 29 00-0737	EA	3/4" Diameter x 20" Length Shank, Linked Welded Eye Rod	131.18	13.05
		<i>For Work In Restricted Working Space, Add</i>	7.82	
23 05 29 00-0738	EA	3/4" Diameter x 24" Length Shank, Linked Welded Eye Rod	133.92	13.30
		<i>For Work In Restricted Working Space, Add</i>	7.99	
23 05 29 00-0739	EA	3/4" Diameter x 30" Length Shank, Linked Welded Eye Rod	138.08	13.80
		<i>For Work In Restricted Working Space, Add</i>	8.26	
23 05 29 00-0740	EA	3/4" Diameter x 36" Length Shank, Linked Welded Eye Rod	144.41	14.18
		<i>For Work In Restricted Working Space, Add</i>	8.52	
23 05 29 00-0741	EA	3/4" Diameter x 48" Length Shank, Linked Welded Eye Rod	153.79	15.04
		<i>For Work In Restricted Working Space, Add</i>	9.05	
23 05 29 00-0742	EA	3/4" Diameter x 60" Length Shank, Linked Welded Eye Rod	163.20	15.91
		<i>For Work In Restricted Working Space, Add</i>	9.58	
23 05 29 00-0743	EA	3/4" Diameter x 72" Length Shank, Linked Welded Eye Rod	173.70	16.90
		<i>For Work In Restricted Working Space, Add</i>	10.11	
23 05 29 00-0744	EA	7/8" Diameter x 16" Length Shank, Linked Welded Eye Rod	152.78	14.67
		<i>For Work In Restricted Working Space, Add</i>	8.83	
23 05 29 00-0745	EA	7/8" Diameter x 20" Length Shank, Linked Welded Eye Rod	157.76	15.04
		<i>For Work In Restricted Working Space, Add</i>	9.02	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0746	EA	7/8" Diameter x 24" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	161.65 9.20	15.29
23 05 29 00-0747	EA	7/8" Diameter x 30" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	165.82 9.47	15.79
23 05 29 00-0748	EA	7/8" Diameter x 36" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	173.33 9.75	16.28
23 05 29 00-0749	EA	7/8" Diameter x 48" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	186.05 10.30	17.16
23 05 29 00-0750	EA	7/8" Diameter x 60" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	197.70 10.85	18.15
23 05 29 00-0751	EA	7/8" Diameter x 72" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	210.45 11.41	19.02
23 05 29 00-0752	EA	1" Diameter x 16" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	194.39 10.52	17.53
23 05 29 00-0753	EA	1" Diameter x 20" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	199.45 10.73	17.90
23 05 29 00-0754	EA	1" Diameter x 24" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	204.51 10.94	18.27
23 05 29 00-0755	EA	1" Diameter x 30" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	209.92 11.25	18.77
23 05 29 00-0756	EA	1" Diameter x 36" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	219.64 11.56	19.27
23 05 29 00-0757	EA	1" Diameter x 48" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	234.83 12.18	20.27
23 05 29 00-0758	EA	1" Diameter x 60" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	250.02 12.81	21.38
23 05 29 00-0759	EA	1" Diameter x 72" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	266.20 13.43	22.37
23 05 29 00-0760		Attachments (23 05 29 00-0594)		
23 05 29 00-0761		Welded Beam Attachments (B-Line B-3083) (23 05 29 00-0760) Note: Type 22.		
23 05 29 00-0762	EA	3/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)..... <i>For Work In Restricted Working Space, Add</i>	57.89 6.97	11.61
23 05 29 00-0763	EA	1/2" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)..... <i>For Work In Restricted Working Space, Add</i>	61.84 7.34	12.19
23 05 29 00-0764	EA	5/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)..... <i>For Work In Restricted Working Space, Add</i>	65.89 7.74	12.89
23 05 29 00-0765	EA	3/4" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)..... <i>For Work In Restricted Working Space, Add</i>	85.39 8.20	13.71
23 05 29 00-0766	EA	7/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)..... <i>For Work In Restricted Working Space, Add</i>	103.33 8.71	14.51
23 05 29 00-0767	EA	1" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)..... <i>For Work In Restricted Working Space, Add</i>	146.61 9.96	16.61
23 05 29 00-0768	EA	1-1/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)..... <i>For Work In Restricted Working Space, Add</i>	210.46 10.46	17.43
23 05 29 00-0769		C-Clamp Style Beam Clamps (B-Line B-3034) (23 05 29 00-0760) Note: Type 23. Top or bottom flange mount.		
23 05 29 00-0770	EA	3/8" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034)..... <i>For Work In Restricted Working Space, Add</i>	19.77 4.66	6.34
23 05 29 00-0771	EA	1/2" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034)..... <i>For Work In Restricted Working Space, Add</i>	23.91 4.97	8.08
23 05 29 00-0772	EA	5/8" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034)..... <i>For Work In Restricted Working Space, Add</i>	27.30 5.33	8.70
23 05 29 00-0773	EA	3/4" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034)..... <i>For Work In Restricted Working Space, Add</i>	35.69 5.74	9.32
23 05 29 00-0774	EA	7/8" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034)..... <i>For Work In Restricted Working Space, Add</i>	52.89 6.22	9.95
23 05 29 00-0775		Bottom Mount I-Beam Clamps (B-Line B-3055) (23 05 29 00-0760) Note: Type 21. For attaching threaded rod centered under beam flanges.		
23 05 29 00-0776	EA	3/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055)..... <i>For Work In Restricted Working Space, Add</i>	57.94 6.21	8.70
23 05 29 00-0777	EA	1/2" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055)..... <i>For Work In Restricted Working Space, Add</i>	86.39 6.78	11.19
23 05 29 00-0778	EA	5/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055)..... <i>For Work In Restricted Working Space, Add</i>	124.60 7.46	12.43
23 05 29 00-0779	EA	3/4" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055)..... <i>For Work In Restricted Working Space, Add</i>	149.48 8.29	13.67
23 05 29 00-0780	EA	1" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055)..... <i>For Work In Restricted Working Space, Add</i>	367.54 9.32	14.92
23 05 29 00-0781		Steel U-Bolts (B-Line B-3188) (23 05 29 00-0760) Note: Type 24. Includes plate and nuts.		
23 05 29 00-0782	EA	1/2" Pipe Size, Steel U-Bolt (B-Line B-3188)..... <i>For Work In Restricted Working Space, Add</i>	16.16 3.73	3.11
23 05 29 00-0783	EA	3/4" Pipe Size, Steel U-Bolt (B-Line B-3188)..... <i>For Work In Restricted Working Space, Add</i>	17.59 3.92	3.72
23 05 29 00-0784	EA	1" Pipe Size, Steel U-Bolt (B-Line B-3188)..... <i>For Work In Restricted Working Space, Add</i>	18.98 4.14	3.72
23 05 29 00-0785	EA	1-1/4" Pipe Size, Steel U-Bolt (B-Line B-3188)..... <i>For Work In Restricted Working Space, Add</i>	21.74 4.39	3.72

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 05 29 00-0786	EA	1-1/2" Pipe Size, Steel U-Bolt (B-Line B-3188)	22.38	4.35
		<i>For Work In Restricted Working Space, Add</i>	4.66	
23 05 29 00-0787	EA	2" Pipe Size, Steel U-Bolt (B-Line B-3188)	23.97	4.35
		<i>For Work In Restricted Working Space, Add</i>	4.97	
23 05 29 00-0788	EA	2-1/2" Pipe Size, Steel U-Bolt (B-Line B-3188)	35.48	4.35
		<i>For Work In Restricted Working Space, Add</i>	5.33	
23 05 29 00-0789	EA	3" Pipe Size, Steel U-Bolt (B-Line B-3188)	39.19	4.97
		<i>For Work In Restricted Working Space, Add</i>	5.74	
23 05 29 00-0790	EA	4" Pipe Size, Steel U-Bolt (B-Line B-3188)	47.71	5.60
		<i>For Work In Restricted Working Space, Add</i>	6.21	

23 05 29 00-0791 Copper Standoff Brackets With Flange (23 05 29 00-0760)

Note: Installed in wood, concrete, concrete block or steel.

23 05 29 00-0792	EA	Clamp Size 1/2", Copper Standoff Brackets With Flange	37.38	17.78
		<i>For Work In Restricted Working Space, Add</i>	10.66	
23 05 29 00-0793	EA	Clamp Size 3/4", Copper Standoff Brackets With Flange	37.49	17.78
		<i>For Work In Restricted Working Space, Add</i>	10.66	
23 05 29 00-0794	EA	Clamp Size 1", Copper Standoff Brackets With Flange	37.60	17.78
		<i>For Work In Restricted Working Space, Add</i>	10.66	
23 05 29 00-0795	EA	Clamp Size 1 1/4", Copper Standoff Brackets With Flange	39.98	18.90
		<i>For Work In Restricted Working Space, Add</i>	11.30	
23 05 29 00-0796	EA	Clamp Size 1 1/2", Copper Standoff Brackets With Flange	40.20	18.90
		<i>For Work In Restricted Working Space, Add</i>	11.30	

23 05 29 00-0797 Malleable Iron Eye Sockets (B-Line B-3222) (23 05 29 00-0760)

Note: Type 16.

23 05 29 00-0798	EA	3/8" Rod Size, Malleable Iron Eye Socket	13.15	1.86
		<i>For Work In Restricted Working Space, Add</i>	1.13	
23 05 29 00-0799	EA	1/2" Rod Size, Malleable Iron Eye Socket	16.74	2.49
		<i>For Work In Restricted Working Space, Add</i>	1.49	
23 05 29 00-0800	EA	5/8" Rod Size, Malleable Iron Eye Socket	29.19	2.49
		<i>For Work In Restricted Working Space, Add</i>	1.51	
23 05 29 00-0801	EA	3/4" Rod Size, Malleable Iron Eye Socket	41.41	2.49
		<i>For Work In Restricted Working Space, Add</i>	1.49	
23 05 29 00-0802	EA	7/8" Rod Size, Malleable Iron Eye Socket	44.61	3.11
		<i>For Work In Restricted Working Space, Add</i>	1.86	

23 05 29 00-0803 Steel Weldless Eye Nuts (B-Line B-3200) (23 05 29 00-0760)

Note: Type 17.

23 05 29 00-0804	EA	3/8" Rod Size, Steel Weldless Eye Nut	43.85	1.86
		<i>For Work In Restricted Working Space, Add</i>	1.13	
23 05 29 00-0805	EA	1/2" Rod Size, Steel Weldless Eye Nut	45.05	2.49
		<i>For Work In Restricted Working Space, Add</i>	1.49	
23 05 29 00-0806	EA	5/8" Rod Size, Steel Weldless Eye Nut	45.10	2.49
		<i>For Work In Restricted Working Space, Add</i>	1.51	
23 05 29 00-0807	EA	3/4" Rod Size, Steel Weldless Eye Nut	45.05	2.49
		<i>For Work In Restricted Working Space, Add</i>	1.49	
23 05 29 00-0808	EA	7/8" Rod Size, Steel Weldless Eye Nut	88.32	2.74
		<i>For Work In Restricted Working Space, Add</i>	1.68	
23 05 29 00-0809	EA	1" Rod Size, Steel Weldless Eye Nut	88.93	3.11
		<i>For Work In Restricted Working Space, Add</i>	1.86	

23 05 29 00-0810 Top Mount I-Beam Clamps (B-Line B-3042) (23 05 29 00-0760)

Note: For attaching threaded rod to either side of an I-beam.

23 05 29 00-0811	EA	3/8" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	28.63	5.80
		<i>For Work In Restricted Working Space, Add</i>	3.48	
23 05 29 00-0812	EA	1/2" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	34.59	6.39
		<i>For Work In Restricted Working Space, Add</i>	3.84	
23 05 29 00-0813	EA	5/8" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	42.09	6.97
		<i>For Work In Restricted Working Space, Add</i>	4.22	
23 05 29 00-0814	EA	3/4" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	58.39	7.55
		<i>For Work In Restricted Working Space, Add</i>	4.44	
23 05 29 00-0815	EA	7/8" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	90.28	8.71
		<i>For Work In Restricted Working Space, Add</i>	5.23	
23 05 29 00-0816	EA	3/8" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	30.21	5.80
		<i>For Work In Restricted Working Space, Add</i>	3.48	
23 05 29 00-0817	EA	1/2" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	36.82	6.39
		<i>For Work In Restricted Working Space, Add</i>	3.84	
23 05 29 00-0818	EA	5/8" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	42.09	6.97
		<i>For Work In Restricted Working Space, Add</i>	4.22	
23 05 29 00-0819	EA	3/4" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	64.26	7.55
		<i>For Work In Restricted Working Space, Add</i>	4.44	
23 05 29 00-0820	EA	7/8" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	100.31	8.71
		<i>For Work In Restricted Working Space, Add</i>	5.23	
23 05 29 00-0821	EA	3/8" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp	33.88	5.80
		<i>For Work In Restricted Working Space, Add</i>	3.48	
23 05 29 00-0822	EA	1/2" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp	40.95	6.39
		<i>For Work In Restricted Working Space, Add</i>	3.84	
23 05 29 00-0823	EA	5/8" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp	51.77	6.97
		<i>For Work In Restricted Working Space, Add</i>	4.22	
23 05 29 00-0824	EA	3/4" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp	75.25	7.55
		<i>For Work In Restricted Working Space, Add</i>	4.44	
23 05 29 00-0825	EA	7/8" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp	121.80	8.71
		<i>For Work In Restricted Working Space, Add</i>	5.23	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0826		Side Beam Brackets (B-Line B-3062) (23 05 29 00-0760) Note: Type 34.		
23 05 29 00-0827	EA	3/8" Rod Size, Side Beam Bracket	22.38	8.08
		For Work In Restricted Working Space, Add	4.66	
23 05 29 00-0828	EA	1/2" Rod Size, Side Beam Bracket	26.74	8.08
		For Work In Restricted Working Space, Add	4.97	
23 05 29 00-0829	EA	5/8" Rod Size, Side Beam Bracket	35.11	8.70
		For Work In Restricted Working Space, Add	5.33	
23 05 29 00-0830	EA	3/4" Rod Size, Side Beam Bracket	64.00	9.32
		For Work In Restricted Working Space, Add	5.74	
23 05 29 00-0831	EA	7/8" Rod Size, Side Beam Bracket	75.13	10.56
		For Work In Restricted Working Space, Add	6.22	
23 05 29 00-0832		Hex Lag Bolts (23 05 29 00-0760) Note: Also known as coach screws.		
23 05 29 00-0833	EA	3/8" x 3-1/2" Long, Hex Lag Bolt	3.60	
		For Work In Restricted Working Space, Add	0.78	
23 05 29 00-0834	EA	3/8" x 4" Long, Hex Lag Bolt	3.52	
		For Work In Restricted Working Space, Add	0.80	
23 05 29 00-0835	EA	3/8" x 6" Long, Hex Lag Bolt	4.00	
		For Work In Restricted Working Space, Add	0.83	
23 05 29 00-0836	EA	3/8" x 8" Long, Hex Lag Bolt	4.87	
		For Work In Restricted Working Space, Add	0.86	
23 05 29 00-0837	EA	3/8" x 10" Long, Hex Lag Bolt	5.20	
		For Work In Restricted Working Space, Add	0.90	
23 05 29 00-0838	EA	3/8" x 12" Long, Hex Lag Bolt	7.18	
		For Work In Restricted Working Space, Add	0.93	
23 05 29 00-0839	EA	1/2" x 3-1/2" Long, Hex Lag Bolt	5.06	
		For Work In Restricted Working Space, Add	0.93	
23 05 29 00-0840	EA	1/2" x 4" Long, Hex Lag Bolt	4.87	
		For Work In Restricted Working Space, Add	0.97	
23 05 29 00-0841	EA	1/2" x 6" Long, Hex Lag Bolt	5.72	
		For Work In Restricted Working Space, Add	1.01	
23 05 29 00-0842	EA	1/2" x 8" Long, Hex Lag Bolt	6.67	
		For Work In Restricted Working Space, Add	1.06	
23 05 29 00-0843	EA	1/2" x 10" Long, Hex Lag Bolt	7.92	
		For Work In Restricted Working Space, Add	1.11	
23 05 29 00-0844	EA	1/2" x 12" Long, Hex Lag Bolt	8.50	
		For Work In Restricted Working Space, Add	1.16	
23 05 29 00-0845	EA	5/8" x 4" Long, Hex Lag Bolt	7.24	
		For Work In Restricted Working Space, Add	1.04	
23 05 29 00-0846	EA	3/4" x 5" Long, Hex Lag Bolt	8.64	
		For Work In Restricted Working Space, Add	1.06	
23 05 29 00-0847		Hanger Strap (23 05 29 00-0594)		
23 05 29 00-0848	LF	3/4" Wide x 0.025" Thick Galvanized Hanger Strap	6.01	
23 05 29 00-0849		Shields And Saddles (23 05 29)		
23 05 29 00-0850		Insulation Protection Shield (23 05 29 00-0849) Note: Type 40.		
23 05 29 00-0851		Insulation Protection Shield (Cooper B-Line B3151) (23 05 29 00-0850)		
23 05 29 00-0852	EA	1-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)	16.68	2.98
		For Work In Restricted Working Space, Add	2.99	
23 05 29 00-0853	EA	2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)	16.92	3.02
		For Work In Restricted Working Space, Add	3.02	
23 05 29 00-0854	EA	2-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)	17.32	3.06
		For Work In Restricted Working Space, Add	3.06	
23 05 29 00-0855	EA	3" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)	18.10	3.09
		For Work In Restricted Working Space, Add	3.10	
23 05 29 00-0856	EA	4" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)	19.93	3.17
		For Work In Restricted Working Space, Add	3.17	
23 05 29 00-0857	EA	6" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)	24.10	3.24
		For Work In Restricted Working Space, Add	3.24	
23 05 29 00-0858	EA	8" Outside Diameter, 16 Gauge Insulation Protection Shield, 18" Length (Cooper B-Line B3151)	27.87	3.32
		For Work In Restricted Working Space, Add	3.32	
23 05 29 00-0859	EA	10" Outside Diameter, 16 Gauge Insulation Protection Shield, 18" Length (Cooper B-Line B3151)	33.84	3.39
		For Work In Restricted Working Space, Add	3.40	
23 05 29 00-0860	EA	12" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)	43.12	3.43
		For Work In Restricted Working Space, Add	3.43	
23 05 29 00-0861	EA	14" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)	46.87	3.46
		For Work In Restricted Working Space, Add	3.47	
23 05 29 00-0862	EA	16" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)	64.07	3.50
		For Work In Restricted Working Space, Add	3.51	
23 05 29 00-0863	EA	18" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)	71.84	3.54
		For Work In Restricted Working Space, Add	3.54	
23 05 29 00-0864	EA	20" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)	132.21	3.58
		For Work In Restricted Working Space, Add	3.58	
23 05 29 00-0865	EA	24" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)	143.63	3.65
		For Work In Restricted Working Space, Add	3.65	
23 05 29 00-0866	EA	30" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)	173.35	3.73
		For Work In Restricted Working Space, Add	3.73	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 05 29 00-0867 Insulation Protection Shield (Cooper B-Line B3154) (23 05 29 00-0860)			
23 05 29 00-0868	EA 1-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154).....	14.83	2.98
	<i>For Work In Restricted Working Space, Add</i>	2.99	
23 05 29 00-0869	EA 2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154).....	15.04	3.02
	<i>For Work In Restricted Working Space, Add</i>	3.02	
23 05 29 00-0870	EA 2-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154).....	15.36	3.06
	<i>For Work In Restricted Working Space, Add</i>	3.06	
23 05 29 00-0871	EA 3" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154).....	15.96	3.09
	<i>For Work In Restricted Working Space, Add</i>	3.10	
23 05 29 00-0872	EA 4" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154).....	17.35	3.17
	<i>For Work In Restricted Working Space, Add</i>	3.17	
23 05 29 00-0873	EA 6" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154).....	20.45	3.24
	<i>For Work In Restricted Working Space, Add</i>	3.24	
23 05 29 00-0874	EA 8" Outside Diameter, 16 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3154).....	21.92	3.32
	<i>For Work In Restricted Working Space, Add</i>	3.32	
23 05 29 00-0875	EA 10" Outside Diameter, 16 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3154).....	27.65	3.39
	<i>For Work In Restricted Working Space, Add</i>	3.40	
23 05 29 00-0876	EA 12" Outside Diameter, 14 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3154).....	32.95	3.43
	<i>For Work In Restricted Working Space, Add</i>	3.43	
23 05 29 00-0877 Pipe Covering Protection Saddle (23 05 29 00-0849)			
Note: Sizes are pipe sizes.			
23 05 29 00-0878 Saddle, For 1" Insulation (Cooper B-Line B3160) (23 05 29 00-0877)			
23 05 29 00-0879	EA 3/4" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160).....	25.47	4.11
	<i>For Work In Restricted Working Space, Add</i>	4.11	
23 05 29 00-0880	EA 1" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160).....	25.58	4.15
	<i>For Work In Restricted Working Space, Add</i>	4.15	
23 05 29 00-0881	EA 1-1/4" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160).....	25.70	4.18
	<i>For Work In Restricted Working Space, Add</i>	4.18	
23 05 29 00-0882	EA 1-1/2" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160).....	26.93	4.25
	<i>For Work In Restricted Working Space, Add</i>	4.25	
23 05 29 00-0883	EA 2" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160).....	27.05	4.28
	<i>For Work In Restricted Working Space, Add</i>	4.29	
23 05 29 00-0884	EA 2-1/2" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160).....	27.91	4.35
	<i>For Work In Restricted Working Space, Add</i>	4.35	
23 05 29 00-0885	EA 3" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160).....	30.93	4.43
	<i>For Work In Restricted Working Space, Add</i>	4.43	
23 05 29 00-0886	EA 4" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160).....	34.58	4.50
	<i>For Work In Restricted Working Space, Add</i>	4.49	
23 05 29 00-0887	EA 6" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160).....	38.77	4.63
	<i>For Work In Restricted Working Space, Add</i>	4.64	
23 05 29 00-0888	EA 8" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160).....	46.96	4.80
	<i>For Work In Restricted Working Space, Add</i>	4.81	
23 05 29 00-0889	EA 10" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160).....	52.34	4.88
	<i>For Work In Restricted Working Space, Add</i>	4.88	
23 05 29 00-0890	EA 12" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160).....	61.82	4.88
	<i>For Work In Restricted Working Space, Add</i>	4.98	
23 05 29 00-0891	EA 14" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160).....	67.40	5.05
	<i>For Work In Restricted Working Space, Add</i>	5.06	
23 05 29 00-0892 Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) (23 05 29 00-0877)			
23 05 29 00-0893	EA 3/4" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161).....	28.60	4.11
	<i>For Work In Restricted Working Space, Add</i>	4.11	
23 05 29 00-0894	EA 1" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161).....	28.71	4.15
	<i>For Work In Restricted Working Space, Add</i>	4.15	
23 05 29 00-0895	EA 1-1/4" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161).....	28.83	4.18
	<i>For Work In Restricted Working Space, Add</i>	4.18	
23 05 29 00-0896	EA 1-1/2" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161).....	29.85	4.25
	<i>For Work In Restricted Working Space, Add</i>	4.25	
23 05 29 00-0897	EA 2" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161).....	32.14	4.28
	<i>For Work In Restricted Working Space, Add</i>	4.29	
23 05 29 00-0898	EA 2-1/2" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161).....	34.54	4.35
	<i>For Work In Restricted Working Space, Add</i>	4.35	
23 05 29 00-0899	EA 3" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161).....	35.13	4.43
	<i>For Work In Restricted Working Space, Add</i>	4.43	
23 05 29 00-0900	EA 4" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161).....	39.75	4.43
	<i>For Work In Restricted Working Space, Add</i>	4.49	
23 05 29 00-0901	EA 6" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161).....	44.62	4.63
	<i>For Work In Restricted Working Space, Add</i>	4.64	
23 05 29 00-0902	EA 8" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161).....	52.70	4.80
	<i>For Work In Restricted Working Space, Add</i>	4.81	
23 05 29 00-0903	EA 10" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161).....	59.13	4.88
	<i>For Work In Restricted Working Space, Add</i>	4.88	
23 05 29 00-0904	EA 12" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161).....	70.19	4.99
	<i>For Work In Restricted Working Space, Add</i>	4.98	
23 05 29 00-0905	EA 14" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161).....	76.79	5.05
	<i>For Work In Restricted Working Space, Add</i>	5.06	
23 05 29 00-0906 Saddle, For 2" Insulation (Cooper B-Line B3162) (23 05 29 00-0877)			
23 05 29 00-0907	EA 3/4" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162).....	30.58	4.32
	<i>For Work In Restricted Working Space, Add</i>	4.32	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0908	EA	1" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) <i>For Work In Restricted Working Space, Add</i>	30.69 4.35	4.35
23 05 29 00-0909	EA	1-1/4" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) <i>For Work In Restricted Working Space, Add</i>	32.29 4.39	4.40
23 05 29 00-0910	EA	1-1/2" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) <i>For Work In Restricted Working Space, Add</i>	33.25 4.46	4.46
23 05 29 00-0911	EA	2" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) <i>For Work In Restricted Working Space, Add</i>	34.09 4.49	4.50
23 05 29 00-0912	EA	2-1/2" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) <i>For Work In Restricted Working Space, Add</i>	34.33 4.57	4.58
23 05 29 00-0913	EA	3" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) <i>For Work In Restricted Working Space, Add</i>	36.25 4.64	4.65
23 05 29 00-0914	EA	4" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) <i>For Work In Restricted Working Space, Add</i>	38.16 4.70	4.71
23 05 29 00-0915	EA	6" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) <i>For Work In Restricted Working Space, Add</i>	48.43 4.88	4.87
23 05 29 00-0916	EA	8" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) <i>For Work In Restricted Working Space, Add</i>	54.82 5.06	5.05
23 05 29 00-0917	EA	10" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) <i>For Work In Restricted Working Space, Add</i>	57.51 5.12	5.12
23 05 29 00-0918	EA	12" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) <i>For Work In Restricted Working Space, Add</i>	77.28 5.23	5.22
23 05 29 00-0919	EA	14" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) <i>For Work In Restricted Working Space, Add</i>	85.47 5.30	5.31
23 05 29 00-0920	EA	16" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) <i>For Work In Restricted Working Space, Add</i>	93.92 5.44	5.44
23 05 29 00-0921	EA	18" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) <i>For Work In Restricted Working Space, Add</i>	102.35 5.57	5.57
23 05 29 00-0922	EA	20" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) <i>For Work In Restricted Working Space, Add</i>	112.18 5.72	5.71
23 05 29 00-0923	EA	24" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) <i>For Work In Restricted Working Space, Add</i>	128.34 5.85	5.86
23 05 29 00-0924 Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) (23 05 29 00-0877)				
23 05 29 00-0925	EA	1-1/4" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) <i>For Work In Restricted Working Space, Add</i>	34.20 4.49	4.50
23 05 29 00-0926	EA	1-1/2" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) <i>For Work In Restricted Working Space, Add</i>	36.08 4.57	4.57
23 05 29 00-0927	EA	2" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) <i>For Work In Restricted Working Space, Add</i>	37.02 4.60	4.61
23 05 29 00-0928	EA	2-1/2" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) <i>For Work In Restricted Working Space, Add</i>	38.08 4.67	4.68
23 05 29 00-0929	EA	3" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) <i>For Work In Restricted Working Space, Add</i>	38.43 4.78	4.76
23 05 29 00-0930	EA	4" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) <i>For Work In Restricted Working Space, Add</i>	44.55 4.85	4.83
23 05 29 00-0931	EA	6" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) <i>For Work In Restricted Working Space, Add</i>	50.91 4.98	4.99
23 05 29 00-0932	EA	8" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) <i>For Work In Restricted Working Space, Add</i>	59.19 5.16	5.17
23 05 29 00-0933	EA	10" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) <i>For Work In Restricted Working Space, Add</i>	63.41 5.26	5.25
23 05 29 00-0934	EA	12" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) <i>For Work In Restricted Working Space, Add</i>	79.28 5.37	5.36
23 05 29 00-0935	EA	14" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) <i>For Work In Restricted Working Space, Add</i>	93.99 5.44	5.44
23 05 29 00-0936	EA	16" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) <i>For Work In Restricted Working Space, Add</i>	108.93 5.57	5.56
23 05 29 00-0937	EA	18" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) <i>For Work In Restricted Working Space, Add</i>	115.69 5.72	5.70
23 05 29 00-0938	EA	20" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) <i>For Work In Restricted Working Space, Add</i>	123.21 5.85	5.86
23 05 29 00-0939	EA	24" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) <i>For Work In Restricted Working Space, Add</i>	130.73 5.99	5.99
23 05 29 00-0940 Saddle, For 3" Insulation (Cooper B-Line B3164) (23 05 29 00-0877)				
23 05 29 00-0941	EA	2" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164) <i>For Work In Restricted Working Space, Add</i>	38.28 4.70	4.71
23 05 29 00-0942	EA	2-1/2" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164) <i>For Work In Restricted Working Space, Add</i>	41.75 4.81	4.79
23 05 29 00-0943	EA	3" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164) <i>For Work In Restricted Working Space, Add</i>	43.53 4.88	4.87
23 05 29 00-0944	EA	4" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164) <i>For Work In Restricted Working Space, Add</i>	45.32 4.95	4.95
23 05 29 00-0945	EA	6" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164) <i>For Work In Restricted Working Space, Add</i>	52.01 5.09	5.10
23 05 29 00-0946	EA	8" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164) <i>For Work In Restricted Working Space, Add</i>	65.14 5.30	5.28
23 05 29 00-0947	EA	10" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164) <i>For Work In Restricted Working Space, Add</i>	70.58 5.37	5.37
23 05 29 00-0948	EA	12" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164) <i>For Work In Restricted Working Space, Add</i>	91.76 5.47	5.48
23 05 29 00-0949	EA	14" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164) <i>For Work In Restricted Working Space, Add</i>	109.49 5.57	5.56
23 05 29 00-0950	EA	16" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164) <i>For Work In Restricted Working Space, Add</i>	127.25 5.68	5.69

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
23 05 29 00-0951	EA 18" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)..... <i>For Work In Restricted Working Space, Add</i>	129.70 5.85		5.85	
23 05 29 00-0952	EA 20" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)..... <i>For Work In Restricted Working Space, Add</i>	132.04 5.99		5.98	
23 05 29 00-0953	EA 24" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)..... <i>For Work In Restricted Working Space, Add</i>	167.53 6.13		6.13	
23 05 29 00-0954 Saddle, For 4" Insulation (Cooper B-Line B3165) (23 05 29 00-0877)					
23 05 29 00-0955	EA 2" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)..... <i>For Work In Restricted Working Space, Add</i>	43.15 4.81		4.82	
23 05 29 00-0956	EA 2-1/2" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)..... <i>For Work In Restricted Working Space, Add</i>	47.23 4.91		4.91	
23 05 29 00-0957	EA 3" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)..... <i>For Work In Restricted Working Space, Add</i>	49.33 4.98		4.99	
23 05 29 00-0958	EA 4" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)..... <i>For Work In Restricted Working Space, Add</i>	51.53 5.06		5.05	
23 05 29 00-0959	EA 6" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)..... <i>For Work In Restricted Working Space, Add</i>	62.86 5.23		5.21	
23 05 29 00-0960	EA 8" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)..... <i>For Work In Restricted Working Space, Add</i>	74.17 5.40		5.42	
23 05 29 00-0961	EA 10" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)..... <i>For Work In Restricted Working Space, Add</i>	76.69 5.51		5.50	
23 05 29 00-0962	EA 12" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)..... <i>For Work In Restricted Working Space, Add</i>	98.01 5.61		5.61	
23 05 29 00-0963	EA 14" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)..... <i>For Work In Restricted Working Space, Add</i>	118.95 5.68		5.68	
23 05 29 00-0964	EA 16" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)..... <i>For Work In Restricted Working Space, Add</i>	140.13 5.82		5.83	
23 05 29 00-0965	EA 18" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)..... <i>For Work In Restricted Working Space, Add</i>	171.36 5.96		5.97	
23 05 29 00-0966	EA 20" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)..... <i>For Work In Restricted Working Space, Add</i>	202.44 6.13		6.12	
23 05 29 00-0967	EA 24" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)..... <i>For Work In Restricted Working Space, Add</i>	216.57 6.27		6.28	
23 05 29 00-0968	EA 30" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)..... <i>For Work In Restricted Working Space, Add</i>	227.92 6.45		6.44	
23 05 29 00-0969	EA 36" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)..... <i>For Work In Restricted Working Space, Add</i>	236.32 6.59		6.59	
23 05 29 00-0970 Adjustable Pipe Saddle Support (Cooper B-Line B3096) (23 05 29 00-0849)					
23 05 29 00-0971	EA 2" Adjustable Pipe Saddle Support (Cooper B-Line B3096).....	97.17		15.53	
23 05 29 00-0972	EA 3" Adjustable Pipe Saddle Support (Cooper B-Line B3096).....	103.16		18.02	
23 05 29 00-0973	EA 4" Adjustable Pipe Saddle Support (Cooper B-Line B3096).....	125.26		20.51	
23 05 29 00-0974	EA 5" Adjustable Pipe Saddle Support (Cooper B-Line B3096).....	130.71		22.37	
23 05 29 00-0975	EA 6" Adjustable Pipe Saddle Support (Cooper B-Line B3096).....	145.04		24.86	
23 05 29 00-0976	EA 8" Adjustable Pipe Saddle Support (Cooper B-Line B3096).....	165.27		31.08	
23 05 29 00-0977	EA 10" Adjustable Pipe Saddle Support (Cooper B-Line B3096).....	216.24		41.64	
23 05 29 00-0978	EA 12" Adjustable Pipe Saddle Support (Cooper B-Line B3096).....	268.73		62.15	
23 05 29 00-0979 Pipe Stanchion Support (Cooper B-Line B3090) (23 05 29 00-0849)					
23 05 29 00-0980	EA 2-1/2" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090).....	119.76		15.53	
23 05 29 00-0981	EA 3" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090).....	124.20		18.02	
23 05 29 00-0982	EA 3-1/2" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090).....	133.12		19.27	
23 05 29 00-0983	EA 4" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090).....	136.02		20.51	
23 05 29 00-0984	EA 5" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090).....	143.08		22.37	
23 05 29 00-0985	EA 6" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090).....	151.86		24.86	
23 05 29 00-0986	EA 8" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090).....	192.76		31.08	
23 05 29 00-0987	EA 10" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090).....	259.97		41.64	
23 05 29 00-0988	EA 12" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090).....	341.13		62.15	
23 05 29 00-0989 Pipe Saddle Support (Cooper B-Line B3095) (23 05 29 00-0849)					
23 05 29 00-0990	EA 2-1/2" Pipe Saddle Support (Cooper B-Line B3095).....	62.51		15.53	
23 05 29 00-0991	EA 3" Pipe Saddle Support (Cooper B-Line B3095).....	66.95		18.02	
23 05 29 00-0992	EA 3-1/2" Pipe Saddle Support (Cooper B-Line B3095).....	99.92		19.27	
23 05 29 00-0993	EA 4" Pipe Saddle Support (Cooper B-Line B3095).....	102.82		20.51	
23 05 29 00-0994	EA 5" Pipe Saddle Support (Cooper B-Line B3095).....	112.98		22.37	
23 05 29 00-0995	EA 6" Pipe Saddle Support (Cooper B-Line B3095).....	125.26		24.86	
23 05 29 00-0996	EA 8" Pipe Saddle Support (Cooper B-Line B3095).....	144.01		31.08	
23 05 29 00-0997	EA 10" Pipe Saddle Support (Cooper B-Line B3095).....	168.71		41.64	
23 05 29 00-0998	EA 12" Pipe Saddle Support (Cooper B-Line B3095).....	214.47		62.15	
23 05 29 00-0999 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-0849)					
Note: Insert is for use as isolated protective insulation at hangers.					
23 05 29 00-1000 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-0999)					
23 05 29 00-1001	EA 1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	18.42		8.20	
23 05 29 00-1002	EA 3/4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	18.74		8.20	
23 05 29 00-1003	EA 1" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	18.83		8.20	
23 05 29 00-1004	EA 1-1/4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	19.15		8.20	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-1005	EA	1-1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	20.47	8.70
23 05 29 00-1006	EA	2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	21.38	8.96
23 05 29 00-1007	EA	2-1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	22.43	9.34
23 05 29 00-1008	EA	3" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	23.58	9.71
23 05 29 00-1009	EA	4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	25.58	10.09
23 05 29 00-1010	EA	6" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	26.93	8.70
23 05 29 00-1011	EA	8" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	41.25	11.35
23 05 29 00-1012	EA	10" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	48.76	13.37
23 05 29 00-1013	EA	12" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	55.62	15.52
23 05 29 00-1014	EA	14" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	62.44	16.02
23 05 29 00-1015 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-0999)				
23 05 29 00-1016	EA	1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	15.74	6.18
23 05 29 00-1017	EA	3/4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	17.34	6.18
23 05 29 00-1018	EA	1" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	17.72	6.31
23 05 29 00-1019	EA	1-1/4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	18.31	6.43
23 05 29 00-1020	EA	1-1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	18.86	6.43
23 05 29 00-1021	EA	2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	19.82	6.69
23 05 29 00-1022	EA	2-1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	20.95	6.94
23 05 29 00-1023	EA	3" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	21.54	7.06
23 05 29 00-1024	EA	4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	23.69	7.70
23 05 29 00-1025	EA	6" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	35.49	13.24
23 05 29 00-1026	EA	8" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	31.90	9.96
23 05 29 00-1027	EA	10" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	38.61	11.73
23 05 29 00-1028	EA	12" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	43.87	13.50
23 05 29 00-1029	EA	14" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	51.82	16.27
23 05 29 00-1030 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-0999)				
23 05 29 00-1031	EA	1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	21.72	7.06
23 05 29 00-1032	EA	3/4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	21.98	7.06
23 05 29 00-1033	EA	1" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	22.71	7.20
23 05 29 00-1034	EA	1-1/4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	23.35	7.32
23 05 29 00-1035	EA	1-1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	24.02	7.45
23 05 29 00-1036	EA	2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	24.94	7.70
23 05 29 00-1037	EA	2-1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	26.26	7.95
23 05 29 00-1038	EA	3" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	27.50	8.20
23 05 29 00-1039	EA	4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	30.23	8.70
23 05 29 00-1040	EA	6" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	34.56	9.84
23 05 29 00-1041	EA	8" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	53.89	16.79
23 05 29 00-1042	EA	10" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	59.07	19.43
23 05 29 00-1043	EA	12" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	68.22	22.96
23 05 29 00-1044	EA	14" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	76.50	25.74
23 05 29 00-1045	EA	16" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	85.47	29.02
23 05 29 00-1046	EA	18" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	98.03	34.06
23 05 29 00-1047	EA	20" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	108.85	37.85
23 05 29 00-1048	EA	24" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	123.00	42.90
23 05 29 00-1049 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-0999)				
23 05 29 00-1050	EA	1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	24.88	8.20
23 05 29 00-1051	EA	3/4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	25.17	8.20
23 05 29 00-1052	EA	1" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	26.07	8.33
23 05 29 00-1053	EA	1-1/4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	26.73	8.45
23 05 29 00-1054	EA	1-1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	27.40	8.45
23 05 29 00-1055	EA	2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	28.53	8.84
23 05 29 00-1056	EA	2-1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	30.03	9.09
23 05 29 00-1057	EA	3" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	31.44	9.46
23 05 29 00-1058	EA	4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	34.51	9.96
23 05 29 00-1059	EA	6" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	39.52	11.35
23 05 29 00-1060	EA	8" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	51.52	12.62
23 05 29 00-1061	EA	10" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	61.26	14.51
23 05 29 00-1062	EA	12" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	70.41	18.04
23 05 29 00-1063	EA	14" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	79.26	19.80
23 05 29 00-1064	EA	16" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	94.30	25.24
23 05 29 00-1065	EA	18" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	101.07	26.50
23 05 29 00-1066	EA	20" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	114.83	30.28
23 05 29 00-1067	EA	24" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	135.55	36.59
23 05 29 00-1068 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-0999)				
23 05 29 00-1069	EA	1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	51.61	8.45
23 05 29 00-1070	EA	3/4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	61.37	8.84
23 05 29 00-1071	EA	1" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	63.78	8.84
23 05 29 00-1072	EA	1-1/4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	65.33	9.09
23 05 29 00-1073	EA	1-1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	67.15	9.34
23 05 29 00-1074	EA	2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	69.18	9.46
23 05 29 00-1075	EA	2-1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	72.82	9.71
23 05 29 00-1076	EA	3" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	76.02	10.34

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 05 29 00-1077	EA	4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	83.77	10.73
23 05 29 00-1078	EA	6" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	95.84	13.12
23 05 29 00-1079	EA	8" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	123.85	14.38
23 05 29 00-1080	EA	10" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	147.29	15.15
23 05 29 00-1081	EA	12" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	169.13	19.55
23 05 29 00-1082	EA	14" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	190.39	20.82
23 05 29 00-1083	EA	16" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	228.12	27.75
23 05 29 00-1084	EA	18" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	245.55	30.28
23 05 29 00-1085	EA	20" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	278.08	32.81
23 05 29 00-1086	EA	24" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	326.71	40.37

23 05 29 00-1087 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate
(23 05 29 00-0999)

23 05 29 00-1088	EA	1/2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	24.88	8.20
23 05 29 00-1089	EA	3/4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	30.05	9.96
23 05 29 00-1090	EA	1" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	31.32	9.96
23 05 29 00-1091	EA	1-1/4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	32.06	10.09
23 05 29 00-1092	EA	1-1/2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	32.98	10.22
23 05 29 00-1093	EA	2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	34.18	10.60
23 05 29 00-1094	EA	2-1/2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	36.01	10.98
23 05 29 00-1095	EA	3" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	37.59	11.35
23 05 29 00-1096	EA	4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	41.46	11.99
23 05 29 00-1097	EA	6" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	47.41	13.63
23 05 29 00-1098	EA	8" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	61.78	15.15
23 05 29 00-1099	EA	10" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	73.51	17.41
23 05 29 00-1100	EA	12" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	84.48	21.71
23 05 29 00-1101	EA	14" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	95.13	23.72
23 05 29 00-1102	EA	16" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	113.17	30.28
23 05 29 00-1103	EA	18" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	121.30	31.80
23 05 29 00-1104	EA	20" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	137.86	36.34
23 05 29 00-1105	EA	24" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	162.67	43.91

23 05 29 00-1106 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate
(23 05 29 00-0999)

23 05 29 00-1107	EA	1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	33.53	11.10
23 05 29 00-1108	EA	3/4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	33.94	11.10
23 05 29 00-1109	EA	1" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	35.16	11.23
23 05 29 00-1110	EA	1-1/4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	36.14	11.35
23 05 29 00-1111	EA	1-1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	36.87	11.35
23 05 29 00-1112	EA	2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	38.92	12.12
23 05 29 00-1113	EA	2-1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	40.48	12.24
23 05 29 00-1114	EA	3" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	42.43	12.74
23 05 29 00-1115	EA	4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	46.60	13.50
23 05 29 00-1116	EA	6" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	53.32	15.27
23 05 29 00-1117	EA	8" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	68.55	16.52
23 05 29 00-1118	EA	10" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	82.72	19.68
23 05 29 00-1119	EA	12" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	95.07	24.47
23 05 29 00-1120	EA	14" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	107.05	26.63
23 05 29 00-1121	EA	16" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	127.39	34.06
23 05 29 00-1122	EA	18" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	136.39	35.70
23 05 29 00-1123	EA	20" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	153.37	40.88
23 05 29 00-1124	EA	24" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	183.04	49.46
23 05 29 00-1125	EA	26" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	209.07	58.17
23 05 29 00-1126	EA	28" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	238.31	68.64
23 05 29 00-1127	EA	30" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	270.21	81.13
23 05 29 00-1128	EA	42" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	388.08	125.29
23 05 29 00-1129	EA	44" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	418.46	137.91
23 05 29 00-1130	EA	46" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	446.19	148.88

23 05 29 00-1131 Equipment Housekeeping Pads
(23 05 29)
 See CSI section 03 31 13 00-0089 for Concrete Equipment Pads.

23 05 29 00-1132 Molded Plastic Condenser Pad
(23 05 29 00-1131)

23 05 29 00-1133	EA	30" Round Molded Plastic Pad.....	142.15	15.53
23 05 29 00-1134	EA	30" Octagon Molded Plastic Pad.....	149.45	15.53
23 05 29 00-1135	EA	30" x 30" Molded Plastic Pad.....	142.15	15.53
23 05 29 00-1136	EA	36" x 36" Molded Plastic Pad.....	185.92	15.53
23 05 29 00-1137	EA	36" x 48" Molded Plastic Pad.....	267.83	15.53

23 05 29 00-1138 Inertia Base
(23 05 29 00-1131)

Note: Includes spring isolators.

23 05 29 00-1139	EA	Up To 12 SF Inertia Base, 8" Thick With Spring Base.....	3,820.85	
23 05 29 00-1140	EA	>12 To 16 SF Inertia Base, 8" Thick With Spring Base.....	4,622.24	
23 05 29 00-1141	EA	>16 To 20 SF Inertia Base, 8" Thick With Spring Base.....	5,294.82	
23 05 29 00-1142	EA	>20 To 24 SF Inertia Base, 8" Thick With Spring Base.....	6,053.27	

23 05 29 00-1143 Hanger Assemblies
(23 05 29)

Note: Includes hanger, rod, nuts, washers, clamps, upper attachment, etc. Not for use where detail is available.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-1144	EA	1/2" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp. <i>For Work In Restricted Working Space, Add</i>	57.23 12.44	19.32
23 05 29 00-1145	EA	3/4" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp. <i>For Work In Restricted Working Space, Add</i>	59.52 13.12	20.47
23 05 29 00-1146	EA	1" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp. <i>For Work In Restricted Working Space, Add</i>	61.46 13.68	21.72
23 05 29 00-1147	EA	1-1/4" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp. <i>For Work In Restricted Working Space, Add</i>	62.44 13.89	21.76
23 05 29 00-1148	EA	1-1/2" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp. <i>For Work In Restricted Working Space, Add</i>	62.69 13.89	21.76
23 05 29 00-1149	EA	2" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp. <i>For Work In Restricted Working Space, Add</i>	63.89 14.09	21.93
23 05 29 00-1150	EA	2-1/2" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp. <i>For Work In Restricted Working Space, Add</i>	74.00 13.82	22.61
23 05 29 00-1151	EA	3" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp. <i>For Work In Restricted Working Space, Add</i>	76.02 14.04	23.27
23 05 29 00-1152	EA	4" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp. <i>For Work In Restricted Working Space, Add</i>	93.62 15.50	26.26
23 05 29 00-1153	EA	6" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp. <i>For Work In Restricted Working Space, Add</i>	141.37 20.36	33.94
23 05 29 00-1154	EA	8" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp. <i>For Work In Restricted Working Space, Add</i>	160.76 23.62	39.37
23 05 29 00-1155	EA	10" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp. <i>For Work In Restricted Working Space, Add</i>	219.12 29.63	50.01
23 05 29 00-1156	EA	12" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp. <i>For Work In Restricted Working Space, Add</i>	238.12 32.35	53.82
23 05 29 00-1157		Steel Shapes For Hanger Devices (23 05 29)		
23 05 29 00-1158		Angle Iron For Hanger Devices (23 05 29 00-1157)		
23 05 29 00-1159	LF	1/2" x 1/2" x 1/8" Angle Iron For Hanger Devices	2.97	1.81
23 05 29 00-1160	LF	3/4" x 3/4" x 1/8" Angle Iron For Hanger Devices	3.89	2.26
23 05 29 00-1161	LF	1" x 1" x 1/8" Angle Iron For Hanger Devices	4.80	2.70
23 05 29 00-1162	LF	1-1/4" x 1-1/4" x 3/16" Angle Iron For Hanger Devices	6.68	3.36
23 05 29 00-1163	LF	1-1/2" x 1-1/2" x 3/16" Angle Iron For Hanger Devices	7.48	3.61
23 05 29 00-1164	LF	2" x 2" x 1/4" Angle Iron For Hanger Devices	10.16	4.05
23 05 29 00-1165	LF	2-1/2" x 2-1/2" x 1/4" Angle Iron For Hanger Devices	12.66	4.94
23 05 29 00-1166	LF	3" x 2" x 3/8" Angle Iron For Hanger Devices	16.49	5.79
23 05 29 00-1167	LF	3" x 3" x 3/8" Angle Iron For Hanger Devices	19.71	6.77
23 05 29 00-1168		Channels For Hanger Devices (23 05 29 00-1157)		
23 05 29 00-1169	LF	C2 x 1.78, 2" Wide Channels For Hanger Devices	8.43	4.37
23 05 29 00-1170	LF	C3 x 4.1, 3" Wide Channels For Hanger Devices	14.48	6.28
23 05 29 00-1171	LF	C4 x 5.4, 4" Wide Channels For Hanger Devices	18.09	7.54
23 05 29 00-1172	LF	C5 x 6.7 - 5" Wide Channels For Hanger Devices	21.70	8.79
23 05 29 00-1173	LF	C6 x 8.2 - 6" Wide Channels For Hanger Devices	26.28	10.56
23 05 29 00-1174	LF	C7 x 9.8 - 7" Wide Channels For Hanger Devices	31.34	12.56
23 05 29 00-1175	LF	C8 x 11.5 - 8" Wide Channels For Hanger Devices	35.55	13.83
23 05 29 00-1176		Structural Bar Tees For Hanger Devices (23 05 29 00-1157)		
23 05 29 00-1177	LF	3/4" x 3/4" x 1/8" Structural Bar Tee For Hanger Devices.....	9.33	6.14
23 05 29 00-1178	LF	1" x 1" x 1/8" Structural Bar Tee For Hanger Devices.....	11.22	7.26
23 05 29 00-1179	LF	1-1/2" x 1-1/2" x 1/4" Structural Bar Tee For Hanger Devices	16.14	8.38
23 05 29 00-1180	LF	2" x 2" x 1/4" Structural Bar Tee For Hanger Devices.....	20.79	11.17
23 05 29 00-1181	LF	2-1/2" x 2-1/2" x 3/8" Structural Bar Tee For Hanger Devices	28.56	13.40
23 05 29 00-1182	LF	3" x 3" x 3/8" Structural Bar Tee For Hanger Devices.....	35.80	17.31
23 05 29 00-1183		Structural Zees For Hanger Devices (23 05 29 00-1157)		
23 05 29 00-1184	LF	1-1/4" x 1-3/4" x 1-3/4" Structural Zee For Hanger Devices.....	16.16	8.38
23 05 29 00-1185	LF	2-11/16" x 3" x 2-11/16" Structural Zee For Hanger Devices	19.50	8.38
23 05 29 00-1186	LF	3-1/16" x 4" x 3-1/16" Structural Zee For Hanger Devices	28.59	8.38
23 05 29 00-1187	LF	3-1/4" x 5" x 3-1/4" Structural Zee For Hanger Devices.....	36.20	8.38
23 05 29 00-1188	LF	3-1/2" x 6" x 3-1/2" Structural Zee For Hanger Devices.....	44.18	8.38
23 05 29 00-1189		Junior I-beams For Hanger Devices (23 05 29 00-1157)		
23 05 29 00-1190	LF	3" I-beam (Junior) For Hanger Devices	20.04	12.28
23 05 29 00-1191	LF	4" I-beam (Junior) For Hanger Devices	23.08	13.40
23 05 29 00-1192	LF	5" I-beam (Junior) For Hanger Devices	26.68	14.52
23 05 29 00-1193	LF	6" I-beam (Junior) For Hanger Devices	29.17	16.20

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 05 29 00-1194	LF	7" I-beam (Junior) For Hanger Devices	34.75	17.31
23 05 29 00-1195	LF	8" I-beam (Junior) For Hanger Devices	37.63	18.43

23 05 33 Heat Tracing for HVAC Piping (23 05)

See CSI section 23 83 13 00-0000 for heat tracing cables.

23 05 48 Vibration and Seismic Controls for HVAC (23 05)**23 05 48 13 Vibration Controls for HVAC** (23 05 48)

23 05 48 13-0001		Unhoused Stable Steel Spring Isolators (23 05 48 13)		
Note: Includes leveling adjustment, cast top, base plate and pad. For use with floor mounted equipment only.				
23 05 48 13-0002	EA	60 Lb. Capacity, Unhoused Steel Spring Isolator	111.26	34.79
23 05 48 13-0003	EA	115 Lb. Capacity, Unhoused Steel Spring Isolator	118.01	34.79
23 05 48 13-0004	EA	1,130 Lb. Capacity, Unhoused Steel Spring Isolator	140.44	34.79

23 05 48 13-0005		Housed Stable Steel Spring Isolators (23 05 48 13)		
Note: Includes leveling adjustment, top plate, base plate and pad. For use with floor mounted equipment only. Mason Industries, Inc.				
23 05 48 13-0006	EA	To 770 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection	265.43	34.79
23 05 48 13-0007	EA	To 1,040 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection	295.65	34.79
23 05 48 13-0008	EA	To 1,600 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection	310.76	34.79
23 05 48 13-0009	EA	To 2,250 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection	371.19	34.79
23 05 48 13-0010	EA	To 3,250 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection	386.30	34.79
23 05 48 13-0011	EA	To 730 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	291.87	34.79
23 05 48 13-0012	EA	To 930 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	318.31	34.79
23 05 48 13-0013	EA	To 1,440 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	337.20	34.79
23 05 48 13-0014	EA	To 1,860 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	424.07	34.79
23 05 48 13-0015	EA	To 2,880 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	458.06	34.79
23 05 48 13-0016	EA	To 3,720 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	537.38	34.79

23 05 48 13-0017		Vibration Isolators (23 05 48 13)		
23 05 48 13-0018		Spring And Rubber Hanger For 1" Deflection (23 05 48 13-0017)		
23 05 48 13-0019	EA	50 To 500 Lb. Rated Spring And Rubber Hanger For Vibration Isolation With 3/4" Max Rod Size	143.98	22.37
23 05 48 13-0020	EA	600 To 1,000 Lb. Rated Spring And Rubber Hanger For Vibration Isolation With 7/8" Max Rod Size	299.94	24.86

23 05 48 13-0021		Rubber-In-Shear Isolator Hanger (23 05 48 13-0017)		
23 05 48 13-0022	EA	45-340 Lb. Rated Rubber In Shear Hanger 0.38" Deflection With <1/2" Rod Size	80.85	18.65
23 05 48 13-0023	EA	130-700 Lb. Rated Rubber In Shear Hanger 0.43" Deflection With <3/4" Rod Size	104.54	22.37

23 05 48 13-0024		Spring Hanger For 1" Deflection (23 05 48 13-0017)		
23 05 48 13-0025	EA	50 To 1,000 Lb. Rated Rubber In Shear Hanger For 1" Deflection With <3/4" Rod Size	91.85	22.37

23 05 48 13-0026		Rubber-In-Shear Vibration Isolator (23 05 48 13-0017)		
23 05 48 13-0027	EA	45 To 340 Lb. Rubber In Shear Vibration Isolation With 0.38" Deflection	169.10	42.27
23 05 48 13-0028	EA	130 To 700 Lb. Rubber In Shear Vibration Isolation With 0.43" Deflection	228.93	42.27
23 05 48 13-0029	EA	550 To 1,920 Lb. Rubber In Shear Vibration Isolation With 0.48" Deflection	434.27	42.27

23 05 48 13-0030		Two-Piece Spring Type Vibration Isolator (23 05 48 13-0017)		
Note: For equipment support aluminum construction 1/2" adjusting and leveling bolt 1" deflection.				
23 05 48 13-0031	EA	50 To 1,000 Lb. Rated Load 2-Piece Isolator Spring Type Vibration Isolator	143.88	42.27
23 05 48 13-0032	EA	>1,000 To 1,600 Lb. Rated Load 2-Piece Isolator Spring Type Vibration Isolator	148.34	42.27

23 05 48 13-0033		Open Double Spring Type Vibration Isolator (23 05 48 13-0017)		
Note: For equipment support 1" deflection neoprene pad and 5/8" stud bolt.				
23 05 48 13-0034	EA	150 To 450 Lb. Rated Load Open Isolator, Double Spring Type Vibration Isolator	110.40	21.13
23 05 48 13-0035	EA	500 To 1,000 Lb. Rated Load Open Isolator, Double Spring Type Vibration Isolator	110.40	21.13
23 05 48 13-0036	EA	1,100 To 1,600 Lb. Rated Load Open Isolator, Double Spring Type Vibration Isolator	125.27	21.13
23 05 48 13-0037	EA	1,700 To 2,400 Lb. Rated Load Open Isolator, Double Spring Type Vibration Isolator	125.27	21.13
23 05 48 13-0038	EA	2,500 To 3,400 Lb. Rated Load Open Isolator, Double Spring Type Vibration Isolator	192.49	21.13

23 05 48 13-0039		Isolation Pads (23 05 48 13-0017)		
23 05 48 13-0040		Laminated Neoprene And Cork Isolation Pad (23 05 48 13-0039)		
23 05 48 13-0041	EA	2" x 2", 1" Thick Laminated Neoprene And Cork Isolation Pad	7.53	3.11
23 05 48 13-0042	EA	3" x 3", 1" Thick Laminated Neoprene And Cork Isolation Pad	9.64	3.23
23 05 48 13-0043	EA	4" x 4", 1" Thick Laminated Neoprene And Cork Isolation Pad	12.08	3.35
23 05 48 13-0044	EA	12" x 12", 1" Thick Laminated Neoprene And Cork Isolation Pad	47.68	3.86
23 05 48 13-0045	EA	18" x 18", 1" Thick Laminated Neoprene And Cork Isolation Pad	91.22	4.35

23 05 48 13-0046		Neoprene And Steel Plate Isolation Pad (23 05 48 13-0039)		
23 05 48 13-0047	EA	6" x 4", 5/8" Thick Steel Plate And Ribbed Neoprene Isolation Pad	188.36	3.11
23 05 48 13-0048	EA	6" x 4", 7/8" Thick Steel Plate And Ribbed Neoprene Isolation Pad	208.54	3.11

MINOR		TOTAL DIRECT		DEMOLITION	
CSI UOM DESCRIPTION		UNIT COST		UNIT COST	
23 05 48 13-0049	Neoprene Isolation Pad (23 05 48 13-0039)				
23 05 48 13-0050	EA 2" x 2", 3/8" Thick Ribbed Neoprene Isolation Pad.....	7.02		3.11	
23 05 48 13-0051	EA 3" x 3", 3/8" Thick Ribbed Neoprene Isolation Pad.....	8.01		3.11	
23 05 48 13-0052	EA 4" x 4", 3/8" Thick Ribbed Neoprene Isolation Pad.....	9.58		3.11	
23 05 48 13-0053	EA 12" x 12", 3/8" Thick Ribbed Neoprene Isolation Pad.....	46.91		3.73	
23 05 48 13-0054	EA 18" x 18", 3/8" Thick Ribbed Neoprene Isolation Pad.....	85.73		4.35	
23 05 48 13-0055	Threaded Flexible Bronze Hose Connectors (23 05 48 13)				
	Note: Includes hex threaded nipple ends.				
23 05 48 13-0056	EA 3/8" Diameter x 9" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends.....	78.50		19.89	
23 05 48 13-0057	EA 1/2" Diameter x 10" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends.....	92.44		27.34	
23 05 48 13-0058	EA 3/4" Diameter x 11" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends.....	113.42		33.57	
23 05 48 13-0059	EA 1" Diameter x 12" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends.....	132.09		39.78	
23 05 48 13-0060	EA 1-1/4" Diameter x 12" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends.....	151.56		52.21	
23 05 48 13-0061	EA 1-1/2" Diameter x 14" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends.....	170.79		55.56	
23 05 48 13-0062	EA 2" Diameter x 14" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends.....	228.23		65.88	
23 05 48 13-0063	EA 2-1/2" Diameter x 16" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends.....	314.06		102.68	
23 05 48 13-0064	EA 3" Diameter x 16" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends.....	947.86		122.19	
23 05 48 13-0065	Weld End Flexible Hose Connectors (23 05 48 13)				
23 05 48 13-0066	EA 1/2" Diameter x 10" Flexible Hose Connection, Weld Ends.....	263.03		71.35	
23 05 48 13-0067	EA 3/4" Diameter x 10" Flexible Hose Connection, Weld Ends.....	306.92		78.32	
23 05 48 13-0068	EA 1" Diameter x 10" Flexible Hose Connection, Weld Ends.....	345.54		82.91	
23 05 48 13-0069	EA 1-1/4" Diameter x 11" Flexible Hose Connection, Weld Ends.....	386.54		94.48	
23 05 48 13-0070	EA 1-1/2" Diameter x 12" Flexible Hose Connection, Weld Ends.....	437.99		101.94	
23 05 48 13-0071	EA 2" Diameter x 14" Flexible Hose Connection, Weld Ends.....	550.25		132.63	
23 05 48 13-0072	EA 2-1/2" Diameter x 16" Flexible Hose Connection, Weld Ends.....	822.28		149.17	
23 05 48 13-0073	EA 3" Diameter x 16" Flexible Hose Connection, Weld Ends.....	1,013.75		167.81	
23 05 48 13-0074	EA 4" Diameter x 18" Flexible Hose Connection, Weld Ends.....	1,404.46		248.62	
23 05 48 13-0075	Flanged Flexible Hose Connectors (23 05 48 13)				
23 05 48 13-0076	Flanged Flexible Molded Rubber Hose Connectors (23 05 48 13-0075)				
	Note: With helical wire reinforcement 150 PSI.				
23 05 48 13-0077	EA 1-1/2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI.....	238.31		93.23	
23 05 48 13-0078	EA 2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI.....	258.08		103.55	
23 05 48 13-0079	EA 2-1/2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI.....	423.18		206.85	
23 05 48 13-0080	EA 3" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI.....	588.15		307.67	
23 05 48 13-0081	EA 4" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI.....	765.77		397.17	
23 05 48 13-0082	EA 6" Diameter x 18" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI.....	965.44		413.02	
23 05 48 13-0083	EA 8" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI.....	1,171.03		471.72	
23 05 48 13-0084	EA 10" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI.....	1,512.29		561.38	
23 05 48 13-0085	EA 12" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI.....	3,715.95		702.13	
23 05 48 13-0086	Flanged Flexible Corrugated Stainless Steel Hose Connectors (23 05 48 13-0075)				
	Note: With braided metal wire.				
23 05 48 13-0087	EA 1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation.....	186.61		84.78	
23 05 48 13-0088	EA 1" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation.....	184.19		116.60	
23 05 48 13-0089	EA 1-1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation.....	347.97		155.39	
23 05 48 13-0090	EA 2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation.....	454.32		233.08	
23 05 48 13-0091	EA 2-1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation.....	489.11		256.45	
23 05 48 13-0092	EA 3" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation.....	569.42		310.53	
23 05 48 13-0093	EA 4" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation.....	729.10		397.54	
23 05 48 13-0094	EA 6" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation.....	1,001.76		494.63	
23 05 48 13-0095	EA 8" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation.....	1,622.90		660.83	
23 05 48 13-0096	EA 10" Diameter x 13" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation.....	1,908.93		764.14	
23 05 48 13-0097	EA 12" Diameter x 14" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation.....	2,442.77		826.04	
23 05 48 13-0098	Flanged Flexible Molded Teflon Hose Connectors (23 05 48 13-0075)				
	Note: 150 PSI.				
23 05 48 13-0099	EA 2-1/2" Diameter x 3-3/16" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation.....	1,018.24		180.25	
23 05 48 13-0100	EA 3" Diameter x 3-5/8" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation.....	1,142.76		211.33	
23 05 48 13-0101	EA 4" Diameter x 3-5/8" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation.....	1,734.67		355.17	
23 05 48 13-0102	EA 6" Diameter x 4" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation.....	2,108.45		413.02	
23 05 48 13-0103	EA 8" Diameter x 6" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation.....	2,765.72		506.64	
23 05 48 13-0104	Flexible Hose Connectors Braided Metal Hose Type (23 05 48 13)				

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 48 Vibration and Seismic Controls for HVAC**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 05 48 13-0105 Braided Metal Hose Type Flexible Bronze Hose Connectors (23 05 48 13-0104)				
Note: MPT connection.				
23 05 48 13-0106	EA	1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	40.05	2.49
23 05 48 13-0107	EA	1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	47.81	2.49
23 05 48 13-0108	EA	1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	53.28	3.23
23 05 48 13-0109	EA	1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	64.71	3.23
23 05 48 13-0110	EA	3/4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	53.59	2.98
23 05 48 13-0111	EA	3/4" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	64.66	2.98
23 05 48 13-0112	EA	3/4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	74.05	3.85
23 05 48 13-0113	EA	3/4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	91.29	3.85
23 05 48 13-0114	EA	1" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	73.05	3.48
23 05 48 13-0115	EA	1" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	79.85	3.48
23 05 48 13-0116	EA	1" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	94.94	4.60
23 05 48 13-0117	EA	1" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	120.16	4.60
23 05 48 13-0118	EA	1" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	145.19	4.60
23 05 48 13-0119	EA	1" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	170.30	4.60
23 05 48 13-0120	EA	1-1/4" Or 1-1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	103.99	4.46
23 05 48 13-0121	EA	1-1/4" Or 1-1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	114.57	4.46
23 05 48 13-0122	EA	1-1/4" Or 1-1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	146.84	4.46
23 05 48 13-0123	EA	1-1/4" Or 1-1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	204.13	5.95
23 05 48 13-0124	EA	1-1/4" Or 1-1/2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	236.64	5.95
23 05 48 13-0125	EA	1-1/4" Or 1-1/2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	279.90	5.95
23 05 48 13-0126	EA	2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	142.26	5.38
23 05 48 13-0127	EA	2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	164.39	5.38
23 05 48 13-0128	EA	2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	207.24	5.38
23 05 48 13-0129	EA	2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	276.40	7.21
23 05 48 13-0130	EA	2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	341.70	7.21
23 05 48 13-0131	EA	2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	406.95	7.21
23 05 48 13-0132	EA	2-1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	197.41	6.75
23 05 48 13-0133	EA	2-1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	224.66	6.40
23 05 48 13-0134	EA	2-1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	252.19	6.40
23 05 48 13-0135	EA	2-1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	311.08	8.58
23 05 48 13-0136	EA	2-1/2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	366.43	8.58
23 05 48 13-0137	EA	2-1/2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	420.05	8.58
23 05 48 13-0138	EA	3" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	311.10	8.58
23 05 48 13-0139	EA	3" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	347.87	8.58
23 05 48 13-0140	EA	3" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	1,506.03	8.58
23 05 48 13-0141	EA	3" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	1,811.96	11.44
23 05 48 13-0142	EA	3" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	538.48	11.44
23 05 48 13-0143	EA	3" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	610.83	11.44
23 05 48 13-0144	EA	4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	567.81	9.68
23 05 48 13-0145	EA	4" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	610.77	9.68
23 05 48 13-0146	EA	4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	653.73	9.68
23 05 48 13-0147	EA	4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	747.50	12.90
23 05 48 13-0148	EA	4" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	833.09	12.90
23 05 48 13-0149	EA	4" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	920.52	12.90

23 05 48 13-0150 Braided Stainless Steel Flexible Hose Connectors (23 05 48 13-0104)				
Note: Over braided carbon steel connection.				
23 05 48 13-0151	EA	2" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	169.40	5.46
23 05 48 13-0152	EA	2" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	204.55	5.46
23 05 48 13-0153	EA	2" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	239.04	5.46
23 05 48 13-0154	EA	2" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	312.88	7.32
23 05 48 13-0155	EA	2" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	382.79	7.32
23 05 48 13-0156	EA	2" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	452.62	7.32
23 05 48 13-0157	EA	2-1/2" Or 3" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	192.04	6.40
23 05 48 13-0158	EA	2-1/2" Or 3" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	228.77	6.40
23 05 48 13-0159	EA	2-1/2" Or 3" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	265.68	6.40
23 05 48 13-0160	EA	2-1/2" Or 3" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	344.22	8.58
23 05 48 13-0161	EA	2-1/2" Or 3" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	417.72	8.58
23 05 48 13-0162	EA	2-1/2" Or 3" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	490.21	8.58
23 05 48 13-0163	EA	4" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	203.99	8.58
23 05 48 13-0164	EA	4" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	246.07	8.81
23 05 48 13-0165	LF	4" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	288.76	8.58
23 05 48 13-0166	EA	4" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	382.43	11.44
23 05 48 13-0167	EA	4" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	467.33	11.44
23 05 48 13-0168	EA	4" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	554.65	11.44

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0169	EA	6" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	411.31	16.72
23 05 48 13-0170	EA	6" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	605.94	16.85
23 05 48 13-0171	EA	6" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	812.57	22.19
23 05 48 13-0172	EA	6" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,007.28	22.19
23 05 48 13-0173	EA	6" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,201.93	22.19
23 05 48 13-0174	EA	8" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	710.37	19.53
23 05 48 13-0175	EA	8" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	857.62	19.53
23 05 48 13-0176	EA	8" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,162.67	25.40
23 05 48 13-0177	EA	8" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,454.79	25.40
23 05 48 13-0178	EA	8" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,746.82	25.40
23 05 48 13-0179	EA	10" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	761.12	24.41
23 05 48 13-0180	EA	10" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,129.26	24.41
23 05 48 13-0181	EA	10" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,512.49	31.79
23 05 48 13-0182	EA	10" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,881.92	31.79
23 05 48 13-0183	EA	10" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	2,249.78	31.79
23 05 48 13-0184	EA	12" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,509.24	29.51
23 05 48 13-0185	EA	12" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,968.67	29.51
23 05 48 13-0186	EA	12" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	2,463.03	39.72
23 05 48 13-0187	EA	12" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	2,926.50	39.72
23 05 48 13-0188	EA	12" Diameter x 72" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	3,392.12	39.72
23 05 48 13-0189 Braided Metal Hose Type Flexible Bronze Hose Connectors (23 05 48 13-0104)				
Note: Flanged end connection (carbon steel ends).				
23 05 48 13-0190	EA	2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	668.17	5.38
23 05 48 13-0191	EA	2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,130.46	152.52
23 05 48 13-0192	EA	2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,414.54	152.52
23 05 48 13-0193	EA	2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,698.62	152.52
23 05 48 13-0194	EA	2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,982.81	152.52
23 05 48 13-0195	EA	2-1/2" Or 3" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	987.21	194.52
23 05 48 13-0196	EA	2-1/2" Or 3" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,286.56	194.52
23 05 48 13-0197	EA	2-1/2" Or 3" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,586.03	194.52
23 05 48 13-0198	EA	2-1/2" Or 3" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,885.61	194.52
23 05 48 13-0199	EA	2-1/2" Or 3" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,179.94	194.52
23 05 48 13-0200	EA	4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,324.88	326.09
23 05 48 13-0201	EA	4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,674.30	326.92
23 05 48 13-0202	EA	4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,029.40	326.09
23 05 48 13-0203	EA	4" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,426.42	326.09
23 05 48 13-0204	EA	4" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,729.79	326.09
23 05 48 13-0205	EA	6" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,134.52	418.17
23 05 48 13-0206	EA	6" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,926.22	418.17
23 05 48 13-0207	EA	6" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	3,718.37	419.67
23 05 48 13-0208	EA	6" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	4,510.18	418.17
23 05 48 13-0209	EA	6" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	5,301.88	418.17
23 05 48 13-0210	EA	8" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	3,677.82	499.14
23 05 48 13-0211	EA	8" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	4,276.75	499.14

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 48 Vibration and Seismic Controls for HVAC**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 05 48 13-0212	EA	8" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	5,464.24	499.14
23 05 48 13-0213	EA	8" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	6,652.18	499.14
23 05 48 13-0214	EA	8" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	7,839.57	499.14
23 05 48 13-0215	EA	10" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	6,209.25	607.66
23 05 48 13-0216	EA	10" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	7,701.45	607.66
23 05 48 13-0217	EA	10" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	9,203.69	607.66
23 05 48 13-0218	EA	10" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	10,702.68	607.66
23 05 48 13-0219	EA	10" Diameter x 72" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	11,914.15	607.66
23 05 48 13-0220	EA	12" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	8,512.02	737.86
23 05 48 13-0221	EA	12" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	10,405.59	737.86
23 05 48 13-0222	EA	12" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	12,299.04	737.86
23 05 48 13-0223	EA	12" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	14,192.50	737.86
23 05 48 13-0224	EA	12" Diameter x 72" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	16,086.06	737.86

23 05 53 Identification for HVAC Piping and Equipment (23 05)**23 05 53 00-0001 Systems Identification (23 05 53)****23 05 53 00-0002 Pipe Marker Snap-On Type Plastic (23 05 53 00-0001)**

Note: Outside diameters of insulation where necessary.

23 05 53 00-0003	EA	1/2" Outside Diameter Snap-On Plastic Marker	20.32	
23 05 53 00-0004	EA	3/4" Outside Diameter Snap-On Plastic Marker	20.63	
23 05 53 00-0005	EA	1" Outside Diameter Snap-On Plastic Marker	20.79	
23 05 53 00-0006	EA	1-1/4" Outside Diameter Snap-On Plastic Marker	21.11	
23 05 53 00-0007	EA	1-1/2" Outside Diameter Snap-On Plastic Marker	24.38	
23 05 53 00-0008	EA	2" Outside Diameter Snap-On Plastic Marker	24.94	
23 05 53 00-0009	EA	2-1/2" Outside Diameter Snap-On Plastic Marker	39.02	
23 05 53 00-0010	EA	3" Outside Diameter Snap-On Plastic Marker	39.47	
23 05 53 00-0011	EA	3-1/2" Outside Diameter Snap-On Plastic Marker	39.95	
23 05 53 00-0012	EA	4" Outside Diameter Snap-On Plastic Marker	40.20	
23 05 53 00-0013	EA	4-1/2" Outside Diameter Snap-On Plastic Marker	40.47	
23 05 53 00-0014	EA	5" Outside Diameter Snap-On Plastic Marker	40.74	
23 05 53 00-0015	EA	6" Outside Diameter Snap-On Plastic Marker	42.64	
23 05 53 00-0016	EA	7" Outside Diameter Snap-On Plastic Marker	42.94	
23 05 53 00-0017	EA	8" Outside Diameter Snap-On Plastic Marker	52.61	
23 05 53 00-0018	EA	10" Outside Diameter Snap-On Plastic Marker	54.49	
23 05 53 00-0019	EA	12" Outside Diameter Snap-On Plastic Marker	62.84	
23 05 53 00-0020	EA	14" Outside Diameter Snap-On Plastic Marker	72.05	

23 05 53 00-0021 Pipe Markers Pressure-Sensitive (23 05 53 00-0001)

Note: Outside diameter includes insulation where necessary.

23 05 53 00-0022	EA	1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	14.27	
23 05 53 00-0023	EA	3/4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	14.89	
23 05 53 00-0024	EA	1" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	16.14	
23 05 53 00-0025	EA	1-1/4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	16.38	
23 05 53 00-0026	EA	1-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	17.49	
23 05 53 00-0027	EA	2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	17.86	
23 05 53 00-0028	EA	2-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	20.13	
23 05 53 00-0029	EA	3" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	20.62	
23 05 53 00-0030	EA	3-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	20.99	
23 05 53 00-0031	EA	4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	21.38	
23 05 53 00-0032	EA	4-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	22.15	
23 05 53 00-0033	EA	5" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	22.99	
23 05 53 00-0034	EA	6" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	23.72	
23 05 53 00-0035	EA	7" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	24.44	
23 05 53 00-0036	EA	8" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	26.97	
23 05 53 00-0037	EA	10" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	28.33	
23 05 53 00-0038	EA	12" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	33.08	

23 05 53 00-0039 Valve Identification Tag (23 05 53 00-0001)

Note: Includes beaded chain and/or "S" hook.

23 05 53 00-0040	EA	2" Diameter Identification Tag, Brass	12.85	
23 05 53 00-0041	EA	1-1/2" Diameter Identification Tag, Plastic	12.08	
23 05 53 00-0042	EA	1-1/2" Diameter Identification Tag, Brass	11.84	

23 05 66 Anti-Microbial Ultraviolet Emitters for HVAC Ducts and Equipment (23 05)**23 05 66 00-0001 Double Ended Ultraviolet HVAC Microbial Control Fixtures (23 05 66)**

MINOR		CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 66 00-0002	EA	18" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-181-VO)..... Note: Includes tube.	1,032.25	78.29	
23 05 66 00-0003	EA	24" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-241-VO)..... Note: Includes tube.	1,077.50	82.16	
23 05 66 00-0004	EA	30" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-301-VO)..... Note: Includes tube.	1,079.84	85.69	
23 05 66 00-0005	EA	36" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-361-VO)..... Note: Includes tube.	1,130.31	90.03	
23 05 66 00-0006	EA	42" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-421-VO)..... Note: Includes tube.	1,223.80	93.89	
23 05 66 00-0007	EA	62" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-621-VO)..... Note: Includes tube.	1,150.50	96.83	
23 05 66 00-0008 Single Ended Ultraviolet HVAC Microbial Control Fixtures (23 05 66)					
23 05 66 00-0009	EA	12" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-121-VO) Note: Includes tube.	864.40	54.22	
23 05 66 00-0010	EA	16" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-161-VO) Note: Includes tube.	875.52	58.68	
23 05 66 00-0011	EA	20" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-201-VO) Note: Includes tube.	897.13	62.21	
23 05 66 00-0012	EA	24" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-241-VO) Note: Includes tube.	907.51	66.90	
23 05 66 00-0013	EA	30" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-301-VO) Note: Includes tube.	929.87	70.42	
23 05 66 00-0014	EA	36" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-361-VO) Note: Includes tube.	946.24	73.95	
23 05 66 00-0015	EA	42" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-421-VO) Note: Includes tube.	967.86	78.64	
23 05 66 00-0016	EA	12" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-121-VO) Note: Includes tube.	986.68	54.22	
23 05 66 00-0017	EA	16" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-161-VO) Note: Includes tube.	997.80	58.68	
23 05 66 00-0018	EA	20" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-201-VO) Note: Includes tube.	1,019.41	62.21	
23 05 66 00-0019	EA	24" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-241-VO) Note: Includes tube.	1,029.79	66.90	
23 05 66 00-0020	EA	30" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-301-VO) Note: Includes tube.	1,052.15	70.42	
23 05 66 00-0021	EA	36" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-361-VO) Note: Includes tube.	1,068.52	73.95	
23 05 66 00-0022	EA	42" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-421-VO) Note: Includes tube.	1,090.14	78.64	
23 05 66 00-0023	EA	16" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-161-VO) Note: Includes tube.	684.11	58.68	
23 05 66 00-0024	EA	20" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-201-VO) Note: Includes tube.	705.72	62.21	
23 05 66 00-0025	EA	24" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-241-VO) Note: Includes tube.	716.10	66.90	
23 05 66 00-0026	EA	30" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-301-VO) Note: Includes tube.	738.46	70.42	
23 05 66 00-0027	EA	36" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-361-VO) Note: Includes tube.	754.83	73.95	
23 05 66 00-0028	EA	42" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-421-VO) Note: Includes tube.	776.45	78.64	
23 05 66 00-0029 Fan Coil Unit Ultraviolet Microbial Control Fixtures (23 05 66)					
23 05 66 00-0030	EA	16" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	630.75	75.12	
23 05 66 00-0031	EA	20" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	644.22	78.64	
23 05 66 00-0032	EA	24" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	657.68	82.16	
23 05 66 00-0033	EA	30" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	676.06	85.69	
23 05 66 00-0034	EA	36" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	700.08	90.03	
23 05 66 00-0035	EA	42" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	721.14	93.89	
23 05 66 00-0036 Ultraviolet HVAC Microbial Control Replacement Parts (23 05 66)					
23 05 66 00-0037	EA	18" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-16-VO).....	166.76		
23 05 66 00-0038	EA	24" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-22-VO).....	175.38		
23 05 66 00-0039	EA	30" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-28-VO).....	199.76		
23 05 66 00-0040	EA	36" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-34-VO).....	231.18		
23 05 66 00-0041	EA	42" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-40-VO).....	263.29		
23 05 66 00-0042	EA	62" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-60-VO).....	266.55		
23 05 66 00-0043	EA	12" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-12-VO).....	120.32		
23 05 66 00-0044	EA	16" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-16-VO).....	126.74		
23 05 66 00-0045	EA	20" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-20-VO).....	143.66		
23 05 66 00-0046	EA	24" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-24-VO).....	149.35		
23 05 66 00-0047	EA	30" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-30-VO).....	167.02		
23 05 66 00-0048	EA	36" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-36-VO).....	178.69		
23 05 66 00-0049	EA	42" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-42-VO).....	195.62		
23 05 66 00-0050	EA	Removal And Replacement Of Power Supply For Ultraviolet Microbial Control Fixture (Steril-Aire).....	491.86		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 66 Anti-Microbial Ultraviolet Emitters for HVAC Ducts and Equipment**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 05 66 00-0051	Ultraviolet HVAC Microbial Control Mounting Accessories (23 05 66)		
23 05 66 00-0052	EA Two Spring Clip, 61" Emitter Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 11006610).....	705.66	
	Note: Includes 61" emitter, power supply, wires and connectors.		
23 05 66 00-0053	EA Two Spring Clip, 61" Sleeved Emitter Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 11006620).....	908.77	
	Note: Includes 61" emitter, power supply, wires and connectors.		
23 05 66 00-0054	EA Two Spring Clip, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-1)	404.68	
	Note: Includes power supply, wires and connectors. Excludes emitter.		
23 05 66 00-0055	EA Two Short Hook Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-2).....	429.55	
	Note: Includes power supply, wires and connectors. Excludes emitter.		
23 05 66 00-0056	EA Flat Plate For Metal, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-3)	565.95	
	Note: Includes power supply, wires and connectors. Excludes emitter.		
23 05 66 00-0057	EA Flat Plate For Plastic, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-4).....	347.60	
	Note: Includes power supply, wires and connectors. Excludes emitter.		
23 05 66 00-0058	EA Insert Lamp Holder, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-5)	378.19	
	Note: Includes power supply, wires and connectors. Excludes emitter.		
23 05 66 00-0059	EA 16" U-Bracket, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-6)	489.26	
	Note: Includes power supply, wires and connectors. Excludes emitter.		
23 05 66 00-0060	EA 12" U-Bracket, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-7)	482.20	
	Note: Includes power supply, wires and connectors. Excludes emitter.		
23 05 66 00-0061	LF 30 x 30 mm Framing Structure For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000101)	18.08	
23 05 66 00-0062	EA Vertical Support Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000111)	60.44	
23 05 66 00-0063	EA Joint Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000112)	20.25	
23 05 66 00-0064	EA Emitter Mounting Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000113).....	19.02	
23 05 66 00-0065	EA Foundation Bracket FB 8WA For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000104)	55.40	
23 05 66 00-0066	EA Slider Assembly Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000114).....	68.32	
23 05 66 00-0067	EA Splice Kit For Horizontal Rows For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000108)	60.47	
23 05 66 00-0068	EA Gusset Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000115)	48.71	
23 05 66 00-0069	EA ISO "A" Bracket Hanger For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000109)	45.91	
23 05 66 00-0070	EA DE Boot Kit UV Resistant For 1 DE Fixture For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000223)	23.95	
23 05 66 00-0071	EA DE Wiring Kit For Up To 65" (DE Bank Install) For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000603)	51.85	
23 05 66 00-0072	EA Cleaning Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000100)	24.06	
23 05 66 00-0073	EA 480 To 220 Volt AC / 180 VA Step-Down Transformer For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000503)	98.87	
23 05 66 00-0074	EA Interlock Switch (16 Amps At 125 Volt, 10 Amperes At 250 Volt Maximum Ampacity) For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000120).....	104.13	

23 05 66 00-0075	Ultraviolet Duct Disinfection Unit (eLEDLights) (23 05 66)		
23 05 66 00-0076	EA Two 12" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V12-P1)	1,458.13	108.57
23 05 66 00-0077	EA Two 18" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V18-P1)	1,632.47	114.44
23 05 66 00-0078	EA Two 24" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V24-P1)	1,692.88	123.24
23 05 66 00-0079	EA Two 30" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V30-P1)	1,770.38	132.04
23 05 66 00-0080	EA Two 36" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V36-P1)	1,822.23	140.85
23 05 66 00-0081	EA Two 48" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V48-P1)	2,201.99	146.71
23 05 66 00-0082	EA Four 18" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD4L120V18-P1)	2,212.74	114.44
23 05 66 00-0083	EA Four 24" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD4L120V24-P1).....	2,298.82	123.24
23 05 66 00-0084	EA Four 30" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD4L120V30-P1)	2,658.76	132.04
23 05 66 00-0085	EA Four 36" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD4L120V36-P1).....	2,761.96	140.85

23 05 66 00-0086	Ultraviolet Germicidal Airborne Duct System (Fresh-Aire UV) (23 05 66)		
	Note: Includes 2 Year Warranty		
23 05 66 00-0087	EA Two 18" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUV-ADS-218D-HO)	1,354.81	114.44
23 05 66 00-0088	EA Four 18" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUV-ADS-218Q-HO).....	2,353.10	114.44
23 05 66 00-0089	EA Six 18" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUV-ADS-218H-HO)	3,352.74	114.44
23 05 66 00-0090	EA Two 24" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUV-ADS-224D-HO)	1,388.54	123.24
23 05 66 00-0091	EA Four 24" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUV-ADS-224Q-HO).....	2,400.27	123.24
23 05 66 00-0092	EA Six 24" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUV-ADS-224H-HO)	3,413.35	123.24
23 05 66 00-0093	EA Two 32" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUV-ADS-232D-HO)	1,419.58	132.04
23 05 66 00-0094	EA Four 32" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUV-ADS-232Q-HO).....	2,447.43	132.04
23 05 66 00-0095	EA Six 32" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUV-ADS-232H-HO)	3,473.94	132.04
23 05 66 00-0096	EA Two 46" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUV-ADS-246D-HO)	1,571.19	146.71
23 05 66 00-0097	EA Four 46" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUV-ADS-246Q-HO).....	2,697.13	146.71
23 05 66 00-0098	EA Six 46" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUV-ADS-246H-HO).....	3,823.07	146.71
23 05 66 00-0099	EA Two 60" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUV-ADS-260D-HO)	1,846.42	161.39
23 05 66 00-0100	EA Four 60" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUV-ADS-260Q-HO).....	3,219.58	161.39
23 05 66 00-0101	EA Six 60" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUV-ADS-260H-HO)	4,591.40	161.39

23 05 93 Testing, Adjusting, and Balancing for HVAC (23 05)

Note: Includes all necessary testing, startup, and checkout. Use these tasks for testing, startup, and checkout of existing systems or for third party testing and report when required.

23 05 93 00-0001	Heating And Ventilating Equipment (23 05 93)		
23 05 93 00-0002	EA Balancing Centrifugal Fans.....	707.06	
	For Testing Of Unit Without Balancing, Deduct	-353.53	
23 05 93 00-0003	EA Balancing Heating And Ventilating Units.....	883.47	
	For Testing Of Unit Without Balancing, Deduct	-441.74	
23 05 93 00-0004	EA Balancing In Line Fan	795.44	
	For Testing Of Unit Without Balancing, Deduct	-397.72	
23 05 93 00-0005	EA Balancing Propeller And Wall Fan	176.76	
	For Testing Of Unit Without Balancing, Deduct	-88.38	
23 05 93 00-0006	EA Balancing Roof Exhaust Fan	530.26	
	For Testing Of Unit Without Balancing, Deduct	-265.13	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 93 00-0007	EA	Balancing Wall Fan..... <i>For Testing Of Unit Without Balancing, Deduct</i>	132.54 -66.27	
23 05 93 00-0008	EA	Balancing Fan Section Exhaust..... <i>For Testing Of Unit Without Balancing, Deduct</i>	705.93 -352.97	
23 05 93 00-0009 Air Conditioning Equipment (23 05 93)				
23 05 93 00-0010	EA	Balancing Constant Volume Air Handling Unit..... <i>For Testing Of Unit Without Balancing, Deduct</i>	915.83 -457.92	
23 05 93 00-0011	EA	Balancing Package A/C Unit..... <i>For Testing Of Unit Without Balancing, Deduct</i>	343.44 -171.72	
23 05 93 00-0012	EA	Balancing Rooftop Heat And Cool Unit..... <i>For Testing Of Unit Without Balancing, Deduct</i>	457.92 -228.96	
23 05 93 00-0013	EA	Balancing Variable Volume Air Handling Unit..... <i>For Testing Of Unit Without Balancing, Deduct</i>	1,602.70 -801.35	
23 05 93 00-0014 Registers, Diffusers, Terminal Air Units And Dampers (23 05 93)				
23 05 93 00-0015	EA	Balancing HVAC Duct System, Ceiling Height To 12' Supply, Return, Exhaust, Register And Diffuser..... <i>For Testing Of Unit Without Balancing, Deduct</i>	132.57 -66.29	
23 05 93 00-0016	EA	Balancing HVAC Duct System, Ceiling Height >12' Supply, Return, Exhaust, Register And Diffuser..... <i>For Testing Of Unit Without Balancing, Deduct</i>	220.96 -110.48	
23 05 93 00-0017	EA	Balancing HVAC Duct System, Floor Height Supply, Return, Exhaust, Register And Diffuser..... <i>For Testing Of Unit Without Balancing, Deduct</i>	114.89 -57.45	
23 05 93 00-0018	EA	Balance Variable Air Volume Box..... <i>For Testing Of Unit Without Balancing, Deduct</i>	124.48 -62.24	
23 05 93 00-0019	EA	Balance Constant Volume Box..... <i>For Testing Of Unit Without Balancing, Deduct</i>	124.48 -62.24	
23 05 93 00-0020	EA	Balance Fan Powered Box..... <i>For Testing Of Unit Without Balancing, Deduct</i>	141.41 -70.71	
23 05 93 00-0021	EA	Balance Lab Fume Hood..... <i>For Testing Of Unit Without Balancing, Deduct</i>	574.50 -287.25	
23 05 93 00-0022	EA	Balance General Hood..... <i>For Testing Of Unit Without Balancing, Deduct</i>	441.91 -220.96	
23 05 93 00-0023	EA	Balance Induction Unit..... <i>For Testing Of Unit Without Balancing, Deduct</i>	265.16 -132.58	
23 05 93 00-0024	EA	Balance Moduline - Master..... <i>For Testing Of Unit Without Balancing, Deduct</i>	106.03 -53.02	
23 05 93 00-0025	EA	Balance Moduline - Slave..... <i>For Testing Of Unit Without Balancing, Deduct</i>	53.03 -26.52	
23 05 93 00-0026	EA	Balance Dampers..... <i>For Testing Of Unit Without Balancing, Deduct</i>	49.24 -24.62	
23 05 93 00-0027	EA	Balance Regenerators..... <i>For Testing Of Unit Without Balancing, Deduct</i>	705.93 -352.97	
23 05 93 00-0028 Water Balancing Of Components (23 05 93)				
23 05 93 00-0029	EA	Water Balance, Air-Cool Condenser..... <i>For Testing Of Unit Without Balancing, Deduct</i>	629.69 -314.85	
23 05 93 00-0030	EA	Water Balance, Cabinet Heater..... <i>For Testing Of Unit Without Balancing, Deduct</i>	80.14 -40.07	
23 05 93 00-0031	EA	Water Balance, Chiller, Air-Cooled..... <i>For Testing Of Unit Without Balancing, Deduct</i>	686.82 -343.41	
23 05 93 00-0032	EA	Water Balance, Chiller, Water Cooled..... <i>For Testing Of Unit Without Balancing, Deduct</i>	915.83 -457.92	
23 05 93 00-0033	EA	Water Balance, Cooling Tower..... <i>For Testing Of Unit Without Balancing, Deduct</i>	457.92 -228.96	
23 05 93 00-0034	EA	Water Balance, Fan Coil And Vent..... <i>For Testing Of Unit Without Balancing, Deduct</i>	114.55 -57.28	
23 05 93 00-0035	EA	Water Balance, Fin Tube And Radiant Panel..... <i>For Testing Of Unit Without Balancing, Deduct</i>	114.48 -57.24	
23 05 93 00-0036	EA	Water Balance, Main And Duct Re-Heat Coil..... <i>For Testing Of Unit Without Balancing, Deduct</i>	125.93 -62.97	
23 05 93 00-0037	EA	Water Balance, Pumps..... <i>For Testing Of Unit Without Balancing, Deduct</i>	343.45 -171.73	
23 05 93 00-0038	EA	Water Balance, Unit Heater..... <i>For Testing Of Unit Without Balancing, Deduct</i>	80.14 -40.07	
23 05 93 00-0039	EA	Water Balancing, Converter..... <i>For Testing Of Unit Without Balancing, Deduct</i>	343.58 -171.79	
23 05 93 00-0040	EA	Water Balancing, Cocks And Valves..... <i>For Testing Of Unit Without Balancing, Deduct</i>	57.23 -28.62	
23 05 93 00-0041	EA	Water Balance, Convactor..... <i>For Testing Of Unit Without Balancing, Deduct</i>	68.68 -34.34	
23 05 93 00-0042	EA	Water Balancing, Backflow Preventer Or Reduced Pressure Zone Valves..... <i>For Testing Of Unit Without Balancing, Deduct</i>	85.86 -42.93	
23 05 93 00-0043	EA	Water Balance, Boiler, Up To 500 MBH..... <i>For Testing Of Unit Without Balancing, Deduct</i>	744.11 -372.06	
23 05 93 00-0044	EA	>500 To 1,000 MBH, Water Balance, Boiler..... <i>For Testing Of Unit Without Balancing, Deduct</i>	1,373.75 -686.88	
23 05 93 00-0045	EA	>1,000 MBH, Water Balance, Boiler..... <i>For Testing Of Unit Without Balancing, Deduct</i>	2,518.54 -1,259.27	
23 05 93 00-0046 Non-Destructive Testing (23 05 93)				
23 05 93 00-0047		X-Ray Welds, Non-Destructive Testing (23 05 93 00-0046)		
23 05 93 00-0048		Minimum Charge For X-Ray Welds (23 05 93 00-0047)		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 93 Testing, Adjusting, and Balancing for HVAC**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 05 93 00-0049	EA	X-Ray Welds Minimum Set-Up Charge.....	1,033.88
Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.			

23 05 93 00-0050 Piping, X-Ray Welds, Non-Destructive Testing (23 05 93 00-0047)

23 05 93 00-0051	EA	Up To 3/4" Piping, X-Ray Welds, Non-Destructive Testing.....	95.10
23 05 93 00-0052	EA	1" Piping, X-Ray Welds, Non-Destructive Testing	108.20
23 05 93 00-0053	EA	1-1/4" - 1-1/2" Piping, X-Ray Welds, Non-Destructive Testing.....	121.29
23 05 93 00-0054	EA	2" Piping, X-Ray Welds, Non-Destructive Testing	128.20
23 05 93 00-0055	EA	3" Piping, X-Ray Welds, Non-Destructive Testing	135.08
23 05 93 00-0056	EA	4" Piping, X-Ray Welds, Non-Destructive Testing	142.64
23 05 93 00-0057	EA	6" Piping, X-Ray Welds, Non-Destructive Testing	156.41
23 05 93 00-0058	EA	8" Piping, X-Ray Welds, Non-Destructive Testing	170.20
23 05 93 00-0059	EA	10" Piping, X-Ray Welds, Non-Destructive Testing	177.75
23 05 93 00-0060	EA	12" Piping, X-Ray Welds, Non-Destructive Testing	187.30

23 05 93 00-0061 Liquid Penetration Of Welds, Non-Destructive Testing (23 05 93 00-0046)**23 05 93 00-0062 Piping, Liquid Penetration Of Welds, Non-Destructive Testing (23 05 93 00-0061)**

23 05 93 00-0063	EA	Up To 3/4" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	80.30
23 05 93 00-0064	EA	1" Piping, Liquid Penetration Of Welds, Non-Destructive Testing.....	86.52
23 05 93 00-0065	EA	1-1/4" - 1-1/2" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	92.73
23 05 93 00-0066	EA	2" Piping, Liquid Penetration Of Welds, Non-Destructive Testing.....	95.84
23 05 93 00-0067	EA	3" Piping, Liquid Penetration Of Welds, Non-Destructive Testing.....	100.51
23 05 93 00-0068	EA	4" Piping, Liquid Penetration Of Welds, Non-Destructive Testing.....	105.17
23 05 93 00-0069	EA	6" Piping, Liquid Penetration Of Welds, Non-Destructive Testing.....	114.49
23 05 93 00-0070	EA	8" Piping, Liquid Penetration Of Welds, Non-Destructive Testing.....	123.81
23 05 93 00-0071	EA	10" Piping, Liquid Penetration Of Welds, Non-Destructive Testing.....	133.14
23 05 93 00-0072	EA	12" Piping, Liquid Penetration Of Welds, Non-Destructive Testing.....	142.46

23 05 93 00-0073 Hydrostatic Testing (23 05 93 00-0046)

Note: Includes flushing and restoring of system.

23 05 93 00-0074 Piping, Hydrostatic Testing (23 05 93 00-0073)

23 05 93 00-0075	EA	Up To 100', Up To 1-1/2" Piping, Hydrostatic Testing.....	817.82
23 05 93 00-0076	EA	>100' To 250', Up To 1-1/2" Piping, Hydrostatic Testing.....	1,168.31
23 05 93 00-0077	EA	>250' To 500', Up To 1-1/2" Piping, Hydrostatic Testing.....	1,399.87
23 05 93 00-0078	EA	>500' To 1,000', Up To 1-1/2" Piping, Hydrostatic Testing.....	1,864.64
23 05 93 00-0079	EA	>1,000' To 2,000', Up To 1-1/2" Piping, Hydrostatic Testing.....	2,825.19
23 05 93 00-0080	EA	Up To 100', >1-1/2" To 4" Piping, Hydrostatic Testing	1,087.38
23 05 93 00-0081	EA	>100' To 250', >1-1/2" To 4" Piping, Hydrostatic Testing.....	1,553.85
23 05 93 00-0082	EA	>250' To 500', >1-1/2" To 4" Piping, Hydrostatic Testing.....	1,849.83
23 05 93 00-0083	EA	>500' To 1,000', >1-1/2" To 4" Piping, Hydrostatic Testing.....	2,424.00
23 05 93 00-0084	EA	>1,000' To 2,000', >1-1/2" To 4" Piping, Hydrostatic Testing.....	3,667.09
23 05 93 00-0085	EA	Up To 100', >4" To 10" Piping, Hydrostatic Testing	1,417.12
23 05 93 00-0086	EA	>100' To 250', >4" To 10" Piping, Hydrostatic Testing.....	2,020.02
23 05 93 00-0087	EA	>250' To 500', >4" To 10" Piping, Hydrostatic Testing.....	2,131.17
23 05 93 00-0088	EA	>500' To 1,000', >4" To 10" Piping, Hydrostatic Testing.....	2,792.00
23 05 93 00-0089	EA	>1,000' To 2,000', >4" To 10" Piping, Hydrostatic Testing.....	4,223.78
23 05 93 00-0090	EA	Up To 100', >10" To 14" Piping, Hydrostatic Testing	1,839.77
23 05 93 00-0091	EA	>100' To 250', >10" To 14" Piping, Hydrostatic Testing.....	2,622.90
23 05 93 00-0092	EA	>250' To 500', >10" To 14" Piping, Hydrostatic Testing.....	2,771.07
23 05 93 00-0093	EA	>500' To 1,000', >10" To 14" Piping, Hydrostatic Testing.....	3,634.55
23 05 93 00-0094	EA	>1,000' To 2,000', >10" To 14" Piping, Hydrostatic Testing.....	5,506.90

23 05 93 00-0095 Pneumatic Testing (23 05 93 00-0046)

Note: Includes soaping joints flushing and restoring of system. Can be used for gas or smoke test.

23 05 93 00-0096 Piping, Pneumatic Testing With Inert Gas (23 05 93 00-0095)

23 05 93 00-0097	EA	Up To 100', Up To 1-1/2" Piping, Pneumatic Testing.....	929.31
Note: Includes soaping joints.			
23 05 93 00-0098	EA	>100' To 250', Up To 1-1/2" Piping, Pneumatic Testing.....	1,326.41
Note: Includes soaping joints.			
23 05 93 00-0099	EA	>250' To 500', Up To 1-1/2" Piping, Pneumatic Testing.....	1,432.15
Note: Includes soaping joints.			
23 05 93 00-0100	EA	>500' To 1,000', Up To 1-1/2" Piping, Pneumatic Testing.....	1,833.43
Note: Includes soaping joints.			
23 05 93 00-0101	EA	>1,000' To 2,000', Up To 1-1/2" Piping, Pneumatic Testing.....	2,866.67
Note: Includes soaping joints.			
23 05 93 00-0102	EA	Up To 100', >1-1/2" To 4" Piping, Pneumatic Testing.....	1,212.66
Note: Includes soaping joints.			
23 05 93 00-0103	EA	>100' To 250', >1-1/2" To 4" Piping, Pneumatic Testing.....	1,722.40
Note: Includes soaping joints.			
23 05 93 00-0104	EA	>250' To 500', >1-1/2" To 4" Piping, Pneumatic Testing.....	1,861.75
Note: Includes soaping joints.			
23 05 93 00-0105	EA	>500' To 1,000', >1-1/2" To 4" Piping, Pneumatic Testing.....	2,384.09
Note: Includes soaping joints.			
23 05 93 00-0106	EA	>1,000' To 2,000', >1-1/2" To 4" Piping, Pneumatic Testing.....	3,726.42
Note: Includes soaping joints.			
23 05 93 00-0107	EA	Up To 100', >4" To 10" Piping, Pneumatic Testing	1,460.39
Note: Includes soaping joints.			
23 05 93 00-0108	EA	>100' To 250', >4" To 10" Piping, Pneumatic Testing.....	2,061.50
Note: Includes soaping joints.			

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 93 00-0109	EA	>250' To 500', >4" To 10" Piping, Pneumatic Testing..... Note: Includes soaping joints.	2,331.16	
23 05 93 00-0110	EA	>500' To 1,000', >4" To 10" Piping, Pneumatic Testing..... Note: Includes soaping joints.	2,977.22	
23 05 93 00-0111	EA	>1,000' To 2,000', >4" To 10" Piping, Pneumatic Testing..... Note: Includes soaping joints.	4,660.34	
23 05 93 00-0112	EA	Up To 100', >10" To 14" Piping, Pneumatic Testing..... Note: Includes soaping joints.	1,901.44	
23 05 93 00-0113	EA	>100' To 250', >10" To 14" Piping, Pneumatic Testing..... Note: Includes soaping joints.	2,680.03	
23 05 93 00-0114	EA	>250' To 500', >10" To 14" Piping, Pneumatic Testing..... Note: Includes soaping joints.	3,031.24	
23 05 93 00-0115	EA	>500' To 1,000', >10" To 14" Piping, Pneumatic Testing..... Note: Includes soaping joints.	3,870.75	
23 05 93 00-0116	EA	>1,000' To 2,000', >10" To 14" Piping, Pneumatic Testing..... Note: Includes soaping joints.	6,067.43	
23 05 93 00-0117		EPA Testing Of Sludge (23 05 93)		
23 05 93 00-0118	EA	Flashpoint And Lead Test For Lead.....	1,056.65	
23 05 93 00-0119	EA	Air Test/Combustion Gas Level.....	102.67	
23 05 93 00-0120	EA	Toxicity Test For Heavy Metals.....	1,622.45	
23 05 93 00-0121	EA	Aboveground Tank Water Settlement Test Including Water.....	1,230.21	
23 07 HVAC Insulation (23)				
23 07 13 Duct Insulation (23 07)				
Note: Based on SF surface area of duct to receive insulation.				
23 07 13 00-0001		FSK Fiber Glass Duct Wrap Insulation (23 07 13)		
Note: Foil-scrim kraft (FSK) facing lapped and joints sealed vapor tight.				
23 07 13 00-0002		Type 75, 0.75 Lb./CF, FSK Fiber Glass Duct Wrap Insulation (23 07 13 00-0001)		
23 07 13 00-0003	SF	1" Thick, Type 75, 0.75 Lb./CF, FSK Fiber Glass Duct Wrap Insulation..... For Plain Blanket, With No Facing, Deduct For Work In Restricted Working Space, Add	4.39 -0.41 1.01	2.53
23 07 13 00-0004	SF	1-1/2" Thick, Type 75, 0.75 Lb./CF, FSK Fiber Glass Duct Wrap Insulation..... For Plain Blanket, With No Facing, Deduct For Work In Restricted Working Space, Add	5.12 -0.47 1.18	2.53
23 07 13 00-0005	SF	2" Thick, Type 75, 0.75 Lb./CF, FSK Fiber Glass Duct Wrap Insulation..... For Plain Blanket, With No Facing, Deduct For Work In Restricted Working Space, Add	5.80 -0.52 1.35	3.78
23 07 13 00-0006	SF	3" Thick, Type 75, 0.75 Lb./CF, FSK Fiber Glass Duct Wrap Insulation..... For Plain Blanket, With No Facing, Deduct For Work In Restricted Working Space, Add	6.87 -0.64 1.58	4.42
23 07 13 00-0007	SF	4" Thick, Type 75, 0.75 Lb./CF, FSK Fiber Glass Duct Wrap Insulation..... For Plain Blanket, With No Facing, Deduct For Work In Restricted Working Space, Add	8.20 -1.01 1.70	4.79
23 07 13 00-0008		Type 100, 1.0 Lb./CF, FSK Fiber Glass Duct Wrap Insulation (23 07 13 00-0001)		
23 07 13 00-0009	SF	1" Thick, Type 100, 1.0 Lb./CF, FSK Fiber Glass Duct Wrap Insulation..... For Plain Blanket, With No Facing, Deduct For Work In Restricted Working Space, Add	5.39 -0.47 1.26	3.78
23 07 13 00-0010	SF	1-1/2" Thick, Type 100, 1.0 Lb./CF, FSK Fiber Glass Duct Wrap Insulation..... For Plain Blanket, With No Facing, Deduct For Work In Restricted Working Space, Add	6.29 -0.58 1.46	4.42
23 07 13 00-0011	SF	2" Thick, Type 100, 1.0 Lb./CF, Fiber Glass FSK Duct Wrap Insulation..... For Plain Blanket, With No Facing, Deduct For Work In Restricted Working Space, Add	7.44 -0.68 1.72	5.05
23 07 13 00-0012		Type 150, 1.5 Lb./CF, FSK Fiber Glass Duct Wrap Insulation (23 07 13 00-0001)		
23 07 13 00-0013	SF	1" Thick, Type 150, 1.5 Lb./CF, FSK Fiber Glass Duct Wrap Insulation..... For Plain Blanket, With No Facing, Deduct For Work In Restricted Working Space, Add	7.08 -0.80 1.52	5.05
23 07 13 00-0014	SF	1-1/2" Thick, Type 150, 1.5 Lb./CF, FSK Fiber Glass Duct Wrap Insulation..... For Plain Blanket, With No Facing, Deduct For Work In Restricted Working Space, Add	9.29 -1.40 1.74	5.68
23 07 13 00-0015	SF	2" Thick, Type 150, 1.5 Lb./CF, FSK Fiber Glass Duct Wrap Insulation..... For Plain Blanket, With No Facing, Deduct For Work In Restricted Working Space, Add	10.84 -1.65 2.02	6.31
23 07 13 00-0016		3 Lb./CF, FSK Rigid Fiber Glass Board Insulation (23 07 13)		
Note: Foil-scrim kraft (FSK) facing, sealed vapor tight and attached to ducts with mechanical fasteners.				
23 07 13 00-0017	SF	1" Thick, 3 Lb./CF, FSK Rigid Fiber Glass Board Insulation..... For Work In Restricted Working Space, Add For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add For Non-Metallic Weatherproof Paste, 2 Lb., Add	11.90 3.36 20.30 27.37 16.73	8.67
23 07 13 00-0018	SF	1-1/2" Thick, 3 Lb./CF, FSK Rigid Fiber Glass Board Insulation..... For Work In Restricted Working Space, Add For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add For Non-Metallic Weatherproof Paste, 2 Lb., Add	15.25 4.09 25.47 33.85 20.90	10.54

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 07 HVAC Insulation****23 07 13 Duct Insulation**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 07 13 00-0019	SF	2" Thick, 3 Lb./CF, FSK Rigid Fiber Glass Board Insulation	19.00	12.73
		<i>For Work In Restricted Working Space, Add</i>	4.94	
		<i>For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add</i>	31.34	
		<i>For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add</i>	41.27	
		<i>For Non-Metallic Weatherproof Paste, 2 Lb., Add</i>	25.64	

23 07 13 00-0020 4.253 Lb./CF, FSK Rigid Fiber Glass Board Insulation (23 07 13)

Note: Foil-scrim kraft (FSK) facing, sealed vapor tight and attached to ducts with mechanical fastener.

23 07 13 00-0021	SF	1" Thick, 4.253 Lb./CF, FSK Rigid Fiber Glass Board Insulation	13.35	9.54
		<i>For Work In Restricted Working Space, Add</i>	3.70	
23 07 13 00-0022	SF	1-1/2" Thick, 4.253 Lb./CF, FSK Rigid Fiber Glass Board Insulation	17.30	11.60
		<i>For Work In Restricted Working Space, Add</i>	4.50	
23 07 13 00-0023	SF	2" Thick, 4.253 Lb./CF, FSK Rigid Fiber Glass Board Insulation	22.12	14.01
		<i>For Work In Restricted Working Space, Add</i>	5.43	

23 07 13 00-0024 Sheet Flexible Elastomeric Insulation (23 07 13)

23 07 13 00-0025	SF	3/8" Thick, Sheet Flexible Elastomeric Insulation	10.10	3.41
23 07 13 00-0026	SF	1/2" Thick, Sheet Flexible Elastomeric Insulation	10.79	3.59
23 07 13 00-0027	SF	3/4" Thick, Sheet Flexible Elastomeric Insulation	14.16	3.78
23 07 13 00-0028	SF	1" Thick, Sheet Flexible Elastomeric Insulation	16.31	3.97
23 07 13 00-0029	SF	1-1/2" Thick, Sheet Flexible Elastomeric Insulation	22.57	4.36
23 07 13 00-0030	SF	2" Thick, Sheet Flexible Elastomeric Insulation	26.68	4.73

23 07 13 00-0031 Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation (23 07 13)

Note: Jacketing is a 3-ply laminate consisting of a PVC core, 0.012" thick aluminum foil jacketing and UV-protective Mylar film.

23 07 13 00-0032	SF	1/2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	14.93	3.59
23 07 13 00-0033	SF	3/4" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	16.44	3.78
23 07 13 00-0034	SF	1" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	18.30	3.97
23 07 13 00-0035	SF	1-1/2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	28.53	4.36
23 07 13 00-0036	SF	2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	33.79	4.73

23 07 13 00-0037 Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation (23 07 13)

Note: Jacketing is a 3-ply laminate consisting of a PVC core, 0.012" thick aluminum foil jacketing and UV-protective Mylar film.

23 07 13 00-0038	SF	1/2" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	17.88	3.59
23 07 13 00-0039	SF	3/4" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	19.38	3.78
23 07 13 00-0040	SF	1" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	21.77	3.97
23 07 13 00-0041	SF	1-1/2" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	31.96	4.36

23 07 16 HVAC Equipment Insulation (23 07)**23 07 16 00-0001 Calcium Silicate Block Insulation (23 07 16)**

23 07 16 00-0002	SF	1" Thick, Calcium Silicate Block Insulation	24.50	10.41
		<i>For Work In Restricted Working Space, Add</i>	6.25	
23 07 16 00-0003	SF	1-1/2" Thick, Calcium Silicate Block Insulation	28.95	11.72
		<i>For Work In Restricted Working Space, Add</i>	7.03	
23 07 16 00-0004	SF	2" Thick, Calcium Silicate Block Insulation	34.47	13.51
		<i>For Work In Restricted Working Space, Add</i>	8.14	
23 07 16 00-0005	SF	2-1/2" Thick, Calcium Silicate Block Insulation	40.92	15.87
		<i>For Work In Restricted Working Space, Add</i>	9.52	
23 07 16 00-0006	SF	3" Thick, Calcium Silicate Block Insulation	50.08	19.53
		<i>For Work In Restricted Working Space, Add</i>	11.72	

23 07 19 HVAC Piping Insulation (23 07)

See CSI section 22 07 19 00-0000 for pipe insulation.

23 07 19 00-0001 Calcium Silicate Pipe Insulation (23 07 19)

Note: Includes adhesive. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint. See CSI section 22 07 19 00-0510 for protective jacketing.

23 07 19 00-0002 1" Thick, Calcium Silicate Pipe Insulation (23 07 19 00-0001)

23 07 19 00-0003	LF	1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation	14.05	4.15
		<i>For Work In Restricted Working Space, Add</i>	3.11	
23 07 19 00-0004	LF	3/4" Diameter Pipe, 1" Thick Calcium Silicate Insulation	14.05	4.15
		<i>For Work In Restricted Working Space, Add</i>	3.11	
23 07 19 00-0005	LF	1" Diameter Pipe, 1" Thick Calcium Silicate Insulation	14.04	4.21
		<i>For Work In Restricted Working Space, Add</i>	3.16	
23 07 19 00-0006	LF	1-1/4" Diameter Pipe, 1" Thick Calcium Silicate Insulation	14.25	4.27
		<i>For Work In Restricted Working Space, Add</i>	3.20	
23 07 19 00-0007	LF	1-1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation	14.43	4.33
		<i>For Work In Restricted Working Space, Add</i>	3.25	
23 07 19 00-0008	LF	2" Diameter Pipe, 1" Thick Calcium Silicate Insulation	15.28	4.45
		<i>For Work In Restricted Working Space, Add</i>	3.34	
23 07 19 00-0009	LF	2-1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation	15.96	4.63
		<i>For Work In Restricted Working Space, Add</i>	3.47	
23 07 19 00-0010	LF	3" Diameter Pipe, 1" Thick Calcium Silicate Insulation	16.59	4.75
		<i>For Work In Restricted Working Space, Add</i>	3.56	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0011	LF	4" Diameter Pipe, 1" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	18.68 3.83	5.11
23 07 19 00-0012	LF	6" Diameter Pipe, 1" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	20.87 4.32	5.77
23 07 19 00-0013 1-1/2" Thick, Calcium Silicate Pipe Insulation (23 07 19 00-0001)				
23 07 19 00-0014	LF	1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	14.68 3.24	4.32
23 07 19 00-0015	LF	3/4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	14.74 3.24	4.32
23 07 19 00-0016	LF	1" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	15.75 3.43	4.58
23 07 19 00-0017	LF	1-1/4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	16.30 3.50	4.66
23 07 19 00-0018	LF	1-1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	16.85 3.56	4.75
23 07 19 00-0019	LF	2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	18.02 3.76	5.01
23 07 19 00-0020	LF	2-1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	18.73 3.82	5.10
23 07 19 00-0021	LF	3" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	19.43 3.95	5.27
23 07 19 00-0022	LF	4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	21.51 4.28	5.70
23 07 19 00-0023	LF	6" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	24.97 4.99	6.65
23 07 19 00-0024	LF	8" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	28.61 5.27	7.02
23 07 19 00-0025	LF	10" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	35.65 6.30	8.40
23 07 19 00-0026	LF	12" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	41.83 7.34	9.78
23 07 19 00-0027	LF	14" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	46.43 8.04	10.73
23 07 19 00-0028	LF	16" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	56.10 10.24	13.66
23 07 19 00-0029	LF	18" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	60.12 10.75	14.33
23 07 19 00-0030 2" Thick, Calcium Silicate Pipe Insulation (23 07 19 00-0001)				
23 07 19 00-0031	LF	1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	18.00 3.56	4.75
23 07 19 00-0032	LF	3/4" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	18.33 3.56	4.75
23 07 19 00-0033	LF	1" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	18.83 3.61	4.81
23 07 19 00-0034	LF	1-1/4" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	19.47 3.65	4.87
23 07 19 00-0035	LF	1-1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	19.94 3.70	4.93
23 07 19 00-0036	LF	2" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	20.77 3.83	5.11
23 07 19 00-0037	LF	2-1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	22.83 3.96	5.28
23 07 19 00-0038	LF	3" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	23.32 4.10	5.46
23 07 19 00-0039	LF	4" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	25.59 4.33	5.77
23 07 19 00-0040	LF	6" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	31.23 5.19	6.92
23 07 19 00-0041	LF	8" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	34.84 5.48	7.31
23 07 19 00-0042	LF	10" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	42.70 6.56	8.74
23 07 19 00-0043	LF	12" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	49.31 7.85	10.47
23 07 19 00-0044	LF	14" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	61.97 10.95	14.60
23 07 19 00-0045	LF	16" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	64.57 10.95	14.60
23 07 19 00-0046	LF	18" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	68.94 11.50	15.34
23 07 19 00-0047	LF	20" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	81.52 13.15	17.53
23 07 19 00-0048	LF	24" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	95.60 15.88	21.17
23 07 19 00-0049 2-1/2" Thick, Calcium Silicate Pipe Insulation (23 07 19 00-0001)				
23 07 19 00-0050	LF	1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	21.40 4.11	5.47
23 07 19 00-0051	LF	3/4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	21.75 4.11	5.47
23 07 19 00-0052	LF	1" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	22.13 4.17	5.56

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 07 HVAC Insulation****23 07 19 HVAC Piping Insulation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 07 19 00-0053	LF	1-1/4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	22.32	5.61
		<i>For Work In Restricted Working Space, Add</i>	4.20	
23 07 19 00-0054	LF	1-1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	22.81	5.65
		<i>For Work In Restricted Working Space, Add</i>	4.24	
23 07 19 00-0055	LF	2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	23.77	5.88
		<i>For Work In Restricted Working Space, Add</i>	4.41	
23 07 19 00-0056	LF	2-1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	26.27	6.08
		<i>For Work In Restricted Working Space, Add</i>	4.56	
23 07 19 00-0057	LF	3" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	26.80	6.30
		<i>For Work In Restricted Working Space, Add</i>	4.72	
23 07 19 00-0058	LF	4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	30.39	6.64
		<i>For Work In Restricted Working Space, Add</i>	4.98	
23 07 19 00-0059	LF	6" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	37.22	7.55
		<i>For Work In Restricted Working Space, Add</i>	5.66	
23 07 19 00-0060	LF	8" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	42.31	8.41
		<i>For Work In Restricted Working Space, Add</i>	6.31	
23 07 19 00-0061	LF	10" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	50.23	9.70
		<i>For Work In Restricted Working Space, Add</i>	7.28	
23 07 19 00-0062	LF	12" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	59.11	12.06
		<i>For Work In Restricted Working Space, Add</i>	9.04	
23 07 19 00-0063	LF	14" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	65.24	13.16
		<i>For Work In Restricted Working Space, Add</i>	9.87	
23 07 19 00-0064	LF	16" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	79.94	16.83
		<i>For Work In Restricted Working Space, Add</i>	12.62	
23 07 19 00-0065	LF	18" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	84.33	17.66
		<i>For Work In Restricted Working Space, Add</i>	13.25	
23 07 19 00-0066	LF	20" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	97.58	20.19
		<i>For Work In Restricted Working Space, Add</i>	15.14	
23 07 19 00-0067	LF	24" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	115.22	24.39
		<i>For Work In Restricted Working Space, Add</i>	18.29	

23 07 19 00-0068 3" Thick, Calcium Silicate Pipe Insulation (23 07 19 00-0001)

23 07 19 00-0069	LF	1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation	26.27	6.06
		<i>For Work In Restricted Working Space, Add</i>	4.55	
23 07 19 00-0070	LF	3/4" Diameter Pipe, 3" Thick Calcium Silicate Insulation	26.35	6.06
		<i>For Work In Restricted Working Space, Add</i>	4.55	
23 07 19 00-0071	LF	1" Diameter Pipe, 3" Thick Calcium Silicate Insulation	26.59	6.12
		<i>For Work In Restricted Working Space, Add</i>	4.59	
23 07 19 00-0072	LF	1-1/4" Diameter Pipe, 3" Thick Calcium Silicate Insulation	26.85	6.16
		<i>For Work In Restricted Working Space, Add</i>	4.62	
23 07 19 00-0073	LF	1-1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation	27.10	6.23
		<i>For Work In Restricted Working Space, Add</i>	4.67	
23 07 19 00-0074	LF	2" Diameter Pipe, 3" Thick Calcium Silicate Insulation	28.04	6.46
		<i>For Work In Restricted Working Space, Add</i>	4.85	
23 07 19 00-0075	LF	2-1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation	30.69	6.68
		<i>For Work In Restricted Working Space, Add</i>	5.01	
23 07 19 00-0076	LF	3" Diameter Pipe, 3" Thick Calcium Silicate Insulation	31.40	6.92
		<i>For Work In Restricted Working Space, Add</i>	5.19	
23 07 19 00-0077	LF	4" Diameter Pipe, 3" Thick Calcium Silicate Insulation	36.28	7.31
		<i>For Work In Restricted Working Space, Add</i>	5.48	
23 07 19 00-0078	LF	6" Diameter Pipe, 3" Thick Calcium Silicate Insulation	42.71	8.29
		<i>For Work In Restricted Working Space, Add</i>	6.22	
23 07 19 00-0079	LF	8" Diameter Pipe, 3" Thick Calcium Silicate Insulation	49.29	9.25
		<i>For Work In Restricted Working Space, Add</i>	6.94	
23 07 19 00-0080	LF	10" Diameter Pipe, 3" Thick Calcium Silicate Insulation	58.27	10.67
		<i>For Work In Restricted Working Space, Add</i>	8.00	
23 07 19 00-0081	LF	12" Diameter Pipe, 3" Thick Calcium Silicate Insulation	68.11	13.26
		<i>For Work In Restricted Working Space, Add</i>	9.95	
23 07 19 00-0082	LF	14" Diameter Pipe, 3" Thick Calcium Silicate Insulation	75.39	14.48
		<i>For Work In Restricted Working Space, Add</i>	10.86	
23 07 19 00-0083	LF	16" Diameter Pipe, 3" Thick Calcium Silicate Insulation	89.56	18.51
		<i>For Work In Restricted Working Space, Add</i>	13.88	
23 07 19 00-0084	LF	18" Diameter Pipe, 3" Thick Calcium Silicate Insulation	96.12	19.43
		<i>For Work In Restricted Working Space, Add</i>	14.57	
23 07 19 00-0085	LF	20" Diameter Pipe, 3" Thick Calcium Silicate Insulation	112.10	22.22
		<i>For Work In Restricted Working Space, Add</i>	16.66	
23 07 19 00-0086	LF	24" Diameter Pipe, 3" Thick Calcium Silicate Insulation	133.07	26.84
		<i>For Work In Restricted Working Space, Add</i>	20.12	

23 07 19 00-0087 3-1/2" Thick, Calcium Silicate Pipe Insulation (23 07 19 00-0001)

23 07 19 00-0088	LF	1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	32.54	6.64
		<i>For Work In Restricted Working Space, Add</i>	4.98	
23 07 19 00-0089	LF	3/4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	33.55	6.64
		<i>For Work In Restricted Working Space, Add</i>	4.98	
23 07 19 00-0090	LF	1" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	33.66	6.68
		<i>For Work In Restricted Working Space, Add</i>	5.01	
23 07 19 00-0091	LF	1-1/4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	33.78	6.72
		<i>For Work In Restricted Working Space, Add</i>	5.05	
23 07 19 00-0092	LF	1-1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	34.73	6.81
		<i>For Work In Restricted Working Space, Add</i>	5.11	
23 07 19 00-0093	LF	2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	36.67	7.03
		<i>For Work In Restricted Working Space, Add</i>	5.28	
23 07 19 00-0094	LF	2-1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	39.53	7.29
		<i>For Work In Restricted Working Space, Add</i>	5.47	
23 07 19 00-0095	LF	3" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	40.94	7.55
		<i>For Work In Restricted Working Space, Add</i>	5.66	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0096	LF	4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	46.09 5.98	7.97
23 07 19 00-0097	LF	6" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	51.56 6.79	9.06
23 07 19 00-0098	LF	8" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	61.98 7.56	10.08
23 07 19 00-0099	LF	10" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	74.79 8.73	11.64
23 07 19 00-0100	LF	12" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	90.87 10.85	14.47
23 07 19 00-0101	LF	14" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	96.21 11.85	15.80
23 07 19 00-0102	LF	16" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	113.70 15.14	20.19
23 07 19 00-0103	LF	18" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	128.90 15.90	21.19
23 07 19 00-0104	LF	20" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	140.28 18.18	24.24
23 07 19 00-0105		4" Thick, Calcium Silicate Pipe Insulation (23 07 19 00-0001)		
23 07 19 00-0106	LF	1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	39.85 5.53	7.38
23 07 19 00-0107	LF	3/4" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	39.88 5.53	7.38
23 07 19 00-0108	LF	1" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	40.20 5.63	7.50
23 07 19 00-0109	LF	1-1/4" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	41.21 5.69	7.59
23 07 19 00-0110	LF	1-1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	43.46 5.87	7.83
23 07 19 00-0111	LF	2" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	44.43 6.05	8.07
23 07 19 00-0112	LF	2-1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	48.00 6.15	8.19
23 07 19 00-0113	LF	3" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	49.43 6.37	8.49
23 07 19 00-0114	LF	4" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	55.54 6.73	8.97
23 07 19 00-0115	LF	6" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	64.08 7.63	10.17
23 07 19 00-0116	LF	8" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	75.69 8.51	11.34
23 07 19 00-0117	LF	10" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	87.19 9.83	13.10
23 07 19 00-0118	LF	12" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	100.44 12.21	16.27
23 07 19 00-0119	LF	14" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	107.22 13.34	17.78
23 07 19 00-0120	LF	16" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	128.41 17.05	22.73
23 07 19 00-0121	LF	18" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	136.25 17.87	23.82
23 07 19 00-0122	LF	20" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	151.56 20.45	27.26
23 07 19 00-0123		Weather-Protective Coating For Calcium Silicate Pipe Insulation (23 07 19 00-0001)		
23 07 19 00-0124	SF	1/4" Thick (Two 1/8" Coats), Weatherproof Coating Over Glass Cloth Mesh (Insulkote ET) <i>For Work In Restricted Working Space, Add</i>	6.35 1.17	
23 08		Commissioning of HVAC (23)		
		See CSI section 23 05 93 00-0000 for testing and balancing.		
23 09		Instrumentation and Control for HVAC (23)		
23 09 23		Direct-Digital Control System for HVAC (23 09)		
23 09 23 11		Control Valves (23 09 23)		
23 09 23 11-0001		Valves With Actuator (23 09 23 11)		
23 09 23 11-0002	EA	1/2" 2-Way Bronze Globe Valve With Actuator (Belimo G215+NV24-MFT US)	844.41	16.04
23 09 23 11-0003	EA	3/4" 2-Way Bronze Globe Valve With Actuator (Belimo G220+NV24-MFT US)	871.54	21.62
23 09 23 11-0004	EA	1" 2-Way Bronze Globe Valve With Actuator (Belimo B225+NV24-MFT US)	953.02	26.17
23 09 23 11-0005	EA	1-1/4" 2-Way Bronze Globe Valve With Actuator (Belimo B232+NV24-MFT US)	1,038.39	33.15
23 09 23 11-0006	EA	1-1/2" 2-Way Bronze Globe Valve With Actuator (Belimo G240+NV24-MFT US)	1,182.66	38.25
23 09 23 11-0007	EA	2" 2-Way Bronze Globe Valve With Actuator (Belimo G250+NV24-MFT US)	1,335.95	45.20
23 09 23 11-0008	EA	2-1/2" 2-Way Bronze Globe Valve With Actuator (Belimo G665+GMX24-MFTX1)	2,496.50	90.41
23 09 23 11-0009	EA	3" 2-Way Bronze Globe Valve With Actuator (Belimo G680+GMX24-MFTX1)	2,703.74	105.79
23 09 23 11-0010	EA	4" 2-Way Bronze Globe Valve With Actuator (Belimo G6100C+GMX24-MFTX1)	3,645.18	155.39
23 09 23 11-0011	EA	5" 2-Way Bronze Globe Valve With Actuator (Belimo G6125C+GMX24-MFTX1)	5,363.18	224.56
23 09 23 11-0012	EA	6" 2-Way Bronze Globe Valve With Actuator (Belimo G6150C+GMX24-MFTX1)	5,940.56	248.62
23 09 23 11-0013	EA	1/2" 3-Way Bronze Globe Valve With Actuator (Belimo G315+NV24-MFT US)	906.12	24.06
23 09 23 11-0014	EA	3/4" 3-Way Bronze Globe Valve With Actuator (Belimo G320+NV24-MFT US)	931.42	32.43
23 09 23 11-0015	EA	1" 3-Way Bronze Globe Valve With Actuator (Belimo G325+NV24-MFT US)	1,007.65	39.25
23 09 23 11-0016	EA	1-1/4" 3-Way Bronze Globe Valve With Actuator (Belimo G332+NV24-MFT US)	1,114.93	49.73

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 09 23 11-0017	EA	1-1/2" 3-Way Bronze Globe Valve With Actuator (Belimo G340+NV24-MFT US)	1,434.29	57.37
23 09 23 11-0018	EA	2" 3-Way Bronze Globe Valve With Actuator (Belimo G350+NV24-MFT US)	1,589.65	67.81
23 09 23 11-0019	EA	2-1/2" 3-Way Bronze Globe Valve With Actuator (Belimo G765+GMX24-MFTX1)	2,802.38	135.62
23 09 23 11-0020	EA	3" 3-Way Bronze Globe Valve With Actuator (Belimo G780+GMX24-MFTX1)	3,077.06	158.69
23 09 23 11-0021	EA	4" 3-Way Bronze Globe Valve With Actuator (Belimo G7100+2"GMX24-MFTX1)	4,477.06	233.08
23 09 23 11-0022	EA	5" 3-Way Bronze Globe Valve With Actuator (Belimo G7125+2"GMX24-MFTX1)	6,494.26	336.83
23 09 23 11-0023	EA	6" 3-Way Bronze Globe Valve With Actuator (Belimo G7150+2"GMX24-MFTX1)	7,220.04	372.93
23 09 23 11-0024	EA	1/2" Two Way Brass Zone Valve With Actuator (Belimo ZONE215N-35+ZONE24NC)	142.62	16.04
23 09 23 11-0025	EA	3/4" Two Way Brass Zone Valve With Actuator (Belimo ZONE220N-50+ZONE24NC)	168.07	21.62
23 09 23 11-0026	EA	1" Two Way Brass Zone Valve With Actuator (Belimo ZONE225N-80+ZONE24NC)	211.80	26.17
23 09 23 11-0027	EA	1/2" Two Way Brass Zone Valve With Actuator (Belimo ZONE315N-35+ZONE24NC)	174.19	24.06
23 09 23 11-0028	EA	3/4" Two Way Brass Zone Valve With Actuator (Belimo ZONE320N-50+ZONE24NC)	203.33	32.43
23 09 23 11-0029	EA	1" Two Way Brass Zone Valve With Actuator (Belimo ZONE325N-80+ZONE24NC)	254.37	39.25
23 09 23 11-0030	EA	1/2" 2-Way Brass Ball Valve With Actuator (Belimo B215B+LRB24-3)	237.98	16.04
23 09 23 11-0031	EA	3/4" 2-Way Brass Ball Valve With Actuator (Belimo B220B+LRB24-3)	281.96	21.62
23 09 23 11-0032	EA	1" 2-Way Brass Ball Valve With Actuator (Belimo B225+LRB24-3)	320.64	26.17
23 09 23 11-0033	EA	1-1/4" 2-Way Brass Ball Valve With Actuator (Belimo B232+ARB24-3)	417.23	33.14
23 09 23 11-0034	EA	1-1/2" 2-Way Brass Ball Valve With Actuator (Belimo B240+ARB24-3)	431.35	38.25
23 09 23 11-0035	EA	2" 2-Way Brass Ball Valve With Actuator (Belimo B250+ARB24-3)	549.73	45.20
23 09 23 11-0036	EA	2-1/2" 2-Way Brass Ball Valve With Actuator (Belimo B265+ARB24-3)	1,181.33	90.41
23 09 23 11-0037	EA	3" 2-Way Brass Ball Valve With Actuator (Belimo B280+ARB24-3)	1,387.00	105.79
23 09 23 11-0038	EA	1/2" 3-Way Brass Ball Valve With Actuator (Belimo B315B+LRB24-3)	288.08	24.06
23 09 23 11-0039	EA	3/4" 3-Way Brass Ball Valve With Actuator (Belimo B320B+LRB24-3)	332.87	32.43
23 09 23 11-0040	EA	1" 3-Way Brass Ball Valve With Actuator (Belimo B325+LRB24-3)	429.77	39.25
23 09 23 11-0041	EA	1-1/4" 3-Way Brass Ball Valve With Actuator (Belimo B331+ARB24-3)	610.16	49.73
23 09 23 11-0042	EA	1-1/2" 3-Way Brass Ball Valve With Actuator (Belimo B341+ARB24-3)	642.92	57.37
23 09 23 11-0043	EA	2" 3-Way Brass Ball Valve With Actuator (Belimo B352+ARB24-3)	852.56	67.81
23 09 23 11-0044	EA	2" 2-Way Butterfly Valve With Actuator (Belimo F650HD+AMB24-3X1)	694.40	82.87
23 09 23 11-0045	EA	2-1/2" 2-Way Butterfly Valve With Actuator (Belimo F665HD+AMB24-3X1)	728.93	90.41
23 09 23 11-0046	EA	3" 2-Way Butterfly Valve With Actuator (Belimo F680HD+GMB24-3X1)	959.15	105.79
23 09 23 11-0047	EA	4" 2-Way Butterfly Valve With Actuator (Belimo F6100HD+2"GMB24-3X1)	1,463.44	177.59
23 09 23 11-0048	EA	5" 2-Way Butterfly Valve With Actuator (Belimo F6125HD+SY2-24)	2,955.16	224.56
23 09 23 11-0049	EA	6" 2-Way Butterfly Valve With Actuator (Belimo F6150HD+SY3-24)	3,116.98	248.62
23 09 23 11-0050	EA	8" 2-Way Butterfly Valve With Actuator (Belimo F6200HD+SY4-24)	4,243.67	284.14
23 09 23 11-0051	EA	10" 2-Way Butterfly Valve With Actuator (Belimo F6250HD+SY4-24)	5,206.64	348.07
23 09 23 11-0052	EA	12" 2-Way Butterfly Valve With Actuator (Belimo F6300HS+SY4-24)	6,435.27	421.90
23 09 23 11-0053	EA	14" 2-Way Butterfly Valve With Actuator (Belimo F6350HD+SY5-24)	7,149.04	497.23
23 09 23 11-0054	EA	16" 2-Way Butterfly Valve With Actuator (Belimo F6400HD+SY6-110)	9,462.38	546.96
23 09 23 11-0055	EA	18" 2-Way Butterfly Valve With Actuator (Belimo F6450HD+SY8-110)	11,472.13	607.62
23 09 23 11-0056	EA	2" 3-Way Butterfly Valve With Actuator (Belimo F750HD+AMB24-3X1)	1,285.21	124.31
23 09 23 11-0057	EA	2-1/2" 3-Way Butterfly Valve With Actuator (Belimo F765HD+GMB24-3X1)	1,514.75	135.62
23 09 23 11-0058	EA	3" 3-Way Butterfly Valve With Actuator (Belimo F780HD+2"GMB24-3X1)	1,870.65	158.69
23 09 23 11-0059	EA	4" 3-Way Butterfly Valve With Actuator (Belimo F7100HD+2"GMB24-3X1)	2,395.07	266.38
23 09 23 11-0060	EA	5" 3-Way Butterfly Valve With Actuator (Belimo F7125HD+SY3-24)	4,921.32	336.83
23 09 23 11-0061	EA	6" 3-Way Butterfly Valve With Actuator (Belimo F7150HD+SY3-24)	5,093.43	372.93
23 09 23 11-0062	EA	8" 3-Way Butterfly Valve With Actuator (Belimo F7200HD+SY4-24)	6,424.27	426.25
23 09 23 11-0063	EA	10" 3-Way Butterfly Valve With Actuator (Belimo F7250HD+SY4-24)	8,507.00	522.09
23 09 23 11-0064	EA	12" 3-Way Butterfly Valve With Actuator (Belimo F7300HD+SY5-24)	10,340.36	632.85
23 09 23 11-0065	EA	14" 3-Way Butterfly Valve With Actuator (Belimo F7350HD+SY6-110)	16,155.56	745.85
23 09 23 11-0066	EA	16" 3-Way Butterfly Valve With Actuator (Belimo F7400HD+SY7-110)	18,015.18	820.44
23 09 23 11-0067	EA	18" 3-Way Butterfly Valve With Actuator (Belimo F7450HD+SY8-110)	27,754.95	911.44

23 09 23 11-0068 Valve Actuators (23 09 23 11)

23 09 23 11-0069	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Terminal Strip, 90 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3-T)	484.30	102.70
23 09 23 11-0070	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 95 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3)	491.78	102.70
23 09 23 11-0071	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, Terminal Strip, 90 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-SR-T)	608.81	102.70
23 09 23 11-0072	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Auxiliary Switch, 90 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3-S)	553.89	102.70
23 09 23 11-0073	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 90 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-SR)	564.80	102.70
23 09 23 11-0074	EA	24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, 150 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-MFT)	636.46	102.70
23 09 23 11-0075	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 2.5 Seconds Run Time, 35 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRQX24-1)	773.03	102.70
23 09 23 11-0076	EA	24 Volt AC/DC Power Supply, 0-135 Ohms Control Input, 150 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-MFT95)	789.79	102.70
23 09 23 11-0077	EA	24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, 2.5 Seconds Run Time, 35 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRQX24-MFT)	830.18	102.70
23 09 23 11-0078	EA	120 Volt AC Power Supply, On/Off/Floating Point Control Input, 90 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX120-3)	591.70	102.70
23 09 23 11-0079	EA	120 Volt AC Power Supply, 2-10 Volt DC Control Input, 90 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX120-SR)	676.45	102.70
23 09 23 11-0080	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Terminal Strip, 300, 150, Or 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3-T)	600.96	102.70
23 09 23 11-0081	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3)	611.90	102.70
23 09 23 11-0082	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARB24-3-5-14)	615.99	102.70
23 09 23 11-0083	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Auxiliary Switch, 300, 150, Or 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3-S)	690.36	102.70
23 09 23 11-0084	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR-T)	722.43	102.70

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 11-0085	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR).....	739.48	102.70
23 09 23 11-0086	EA	24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, Variable Run Time (90 To 350 Seconds), 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT).....	736.09	102.70
23 09 23 11-0087	EA	24 Volt AC/DC Power Supply, Phasecut Control Input, 95 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-PC).....	747.00	102.70
23 09 23 11-0088	EA	24 Volt AC/DC Power Supply, 0-135 Ohms Control Input, 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT95).....	746.31	102.70
23 09 23 11-0089	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, NEMA 4X, 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR-T N4).....	817.08	102.70
23 09 23 11-0090	EA	24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, NEMA 4X, Variable Run Time (75 To 350 Seconds), 160 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT-T N4).....	996.07	102.70
23 09 23 11-0091	EA	100-240 Volt AC Power Supply, On/Off/Floating Point Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX120-3).....	653.50	102.70
23 09 23 11-0092	EA	100-240 Volt AC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX120-SR).....	784.54	102.70
23 09 23 11-0093	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 15 Seconds Run Time, 801 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY2-24).....	1,812.18	102.70
23 09 23 11-0094	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 22 Seconds Run Time, 1,335 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY3-24).....	2,035.99	102.70
23 09 23 11-0095	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 16 Seconds Run Time, 3,560 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY4-24).....	2,450.19	102.70
23 09 23 11-0096	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 22 Seconds Run Time, 4,450 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY5-24).....	2,779.77	102.70
23 09 23 11-0097	EA	120 Volt AC Power Supply, On/Off Control Input, 28 Seconds Run Time, 5,785 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY6-110).....	3,296.33	102.70
23 09 23 11-0098	EA	120 Volt AC Power Supply, On/Off Control Input, 46 Seconds Run Time, 8,900 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY7-110).....	3,888.64	102.70
23 09 23 11-0099	EA	120 Volt AC Power Supply, On/Off Control Input, 46 Seconds Run Time, 13,350 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY8-110).....	5,250.65	102.70
23 09 23 11-0100	EA	120 Volt AC Power Supply, On/Off Control Input, 58 Seconds Run Time, 17,800 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY9-110).....	6,416.81	102.70
23 09 23 12 Control Dampers (23 09 23)				
23 09 23 12-0001		Rectangular Volume Control Dampers (Ruskin) (23 09 23 12)		
		Note: Excludes actuators.		
23 09 23 12-0002		Rectangular Volume Control Dampers (Ruskin CD36) (23 09 23 12-0001)		
23 09 23 12-0003	EA	8" x 8" Volume Control Damper (Ruskin CD36).....	219.50	66.29
23 09 23 12-0004	EA	8" x 12" Volume Control Damper (Ruskin CD36).....	231.91	66.29
23 09 23 12-0005	EA	8" x 16" Volume Control Damper (Ruskin CD36).....	246.92	66.29
23 09 23 12-0006	EA	8" x 20" Volume Control Damper (Ruskin CD36).....	325.78	88.39
23 09 23 12-0007	EA	8" x 24" Volume Control Damper (Ruskin CD36).....	348.03	88.39
23 09 23 12-0008	EA	8" x 28" Volume Control Damper (Ruskin CD36).....	360.44	88.39
23 09 23 12-0009	EA	8" x 32" Volume Control Damper (Ruskin CD36).....	393.04	88.39
23 09 23 12-0010	EA	8" x 36" Volume Control Damper (Ruskin CD36).....	469.32	110.48
23 09 23 12-0011	EA	12" x 8" Volume Control Damper (Ruskin CD36).....	231.91	66.29
23 09 23 12-0012	EA	12" x 12" Volume Control Damper (Ruskin CD36).....	239.16	66.29
23 09 23 12-0013	EA	12" x 16" Volume Control Damper (Ruskin CD36).....	298.35	88.39
23 09 23 12-0014	EA	12" x 20" Volume Control Damper (Ruskin CD36).....	333.02	88.39
23 09 23 12-0015	EA	12" x 24" Volume Control Damper (Ruskin CD36).....	399.99	110.48
23 09 23 12-0016	EA	12" x 28" Volume Control Damper (Ruskin CD36).....	412.40	110.48
23 09 23 12-0017	EA	12" x 32" Volume Control Damper (Ruskin CD36).....	444.48	110.48
23 09 23 12-0018	EA	12" x 36" Volume Control Damper (Ruskin CD36).....	520.75	132.57
23 09 23 12-0019	EA	16" x 8" Volume Control Damper (Ruskin CD36).....	246.92	66.29
23 09 23 12-0020	EA	16" x 12" Volume Control Damper (Ruskin CD36).....	308.18	88.39
23 09 23 12-0021	EA	16" x 16" Volume Control Damper (Ruskin CD36).....	316.46	88.39
23 09 23 12-0022	EA	16" x 20" Volume Control Damper (Ruskin CD36).....	384.98	110.48
23 09 23 12-0023	EA	16" x 24" Volume Control Damper (Ruskin CD36).....	409.82	110.48
23 09 23 12-0024	EA	16" x 28" Volume Control Damper (Ruskin CD36).....	471.08	132.57
23 09 23 12-0025	EA	16" x 32" Volume Control Damper (Ruskin CD36).....	498.51	132.57
23 09 23 12-0026	EA	16" x 36" Volume Control Damper (Ruskin CD36).....	528.52	132.57
23 09 23 12-0027	EA	20" x 8" Volume Control Damper (Ruskin CD36).....	325.78	88.39
23 09 23 12-0028	EA	20" x 12" Volume Control Damper (Ruskin CD36).....	293.70	88.39
23 09 23 12-0029	EA	20" x 16" Volume Control Damper (Ruskin CD36).....	360.15	110.48
23 09 23 12-0030	EA	20" x 20" Volume Control Damper (Ruskin CD36).....	392.23	110.48
23 09 23 12-0031	EA	20" x 24" Volume Control Damper (Ruskin CD36).....	456.59	132.57
23 09 23 12-0032	EA	20" x 28" Volume Control Damper (Ruskin CD36).....	486.09	132.57
23 09 23 12-0033	EA	20" x 32" Volume Control Damper (Ruskin CD36).....	555.63	154.67
23 09 23 12-0034	EA	20" x 36" Volume Control Damper (Ruskin CD36).....	582.54	154.67
23 09 23 12-0035	EA	24" x 8" Volume Control Damper (Ruskin CD36).....	293.70	88.39
23 09 23 12-0036	EA	24" x 12" Volume Control Damper (Ruskin CD36).....	345.14	110.48
23 09 23 12-0037	EA	24" x 16" Volume Control Damper (Ruskin CD36).....	367.39	110.48
23 09 23 12-0038	EA	24" x 20" Volume Control Damper (Ruskin CD36).....	446.25	132.57
23 09 23 12-0039	EA	24" x 24" Volume Control Damper (Ruskin CD36).....	469.01	132.57
23 09 23 12-0040	EA	24" x 28" Volume Control Damper (Ruskin CD36).....	540.11	154.67
23 09 23 12-0041	EA	24" x 32" Volume Control Damper (Ruskin CD36).....	572.71	154.67
23 09 23 12-0042	EA	24" x 36" Volume Control Damper (Ruskin CD36).....	597.54	154.67
23 09 23 12-0043	EA	28" x 8" Volume Control Damper (Ruskin CD36).....	298.35	88.39
23 09 23 12-0044	EA	28" x 12" Volume Control Damper (Ruskin CD36).....	350.31	110.48
23 09 23 12-0045	EA	28" x 16" Volume Control Damper (Ruskin CD36).....	414.17	132.57
23 09 23 12-0046	EA	28" x 20" Volume Control Damper (Ruskin CD36).....	454.01	132.57
23 09 23 12-0047	EA	28" x 24" Volume Control Damper (Ruskin CD36).....	517.86	154.67
23 09 23 12-0048	EA	28" x 28" Volume Control Damper (Ruskin CD36).....	547.87	154.67
23 09 23 12-0049	EA	28" x 32" Volume Control Damper (Ruskin CD36).....	575.29	154.67

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 09 23 12-0050	EA	28" x 36" Volume Control Damper (Ruskin CD36)	612.55	154.67
23 09 23 12-0051	EA	32" x 8" Volume Control Damper (Ruskin CD36)	300.94	88.39
23 09 23 12-0052	EA	32" x 12" Volume Control Damper (Ruskin CD36)	352.38	110.48
23 09 23 12-0053	EA	32" x 16" Volume Control Damper (Ruskin CD36)	421.41	132.57
23 09 23 12-0054	EA	32" x 20" Volume Control Damper (Ruskin CD36)	500.78	154.67
23 09 23 12-0055	EA	32" x 24" Volume Control Damper (Ruskin CD36)	530.28	154.67
23 09 23 12-0056	EA	32" x 28" Volume Control Damper (Ruskin CD36)	557.70	154.67
23 09 23 12-0057	EA	32" x 32" Volume Control Damper (Ruskin CD36)	587.71	154.67
23 09 23 12-0058	EA	32" x 36" Volume Control Damper (Ruskin CD36)	666.57	176.76
23 09 23 12-0059	EA	36" x 8" Volume Control Damper (Ruskin CD36)	354.97	110.48
23 09 23 12-0060	EA	36" x 12" Volume Control Damper (Ruskin CD36)	406.92	132.57
23 09 23 12-0061	EA	36" x 16" Volume Control Damper (Ruskin CD36)	429.17	132.57
23 09 23 12-0062	EA	36" x 20" Volume Control Damper (Ruskin CD36)	508.03	154.67
23 09 23 12-0063	EA	36" x 24" Volume Control Damper (Ruskin CD36)	540.11	154.67
23 09 23 12-0064	EA	36" x 28" Volume Control Damper (Ruskin CD36)	572.71	154.67
23 09 23 12-0065	EA	36" x 32" Volume Control Damper (Ruskin CD36)	641.73	176.76
23 09 23 12-0066	EA	36" x 36" Volume Control Damper (Ruskin CD36)	676.40	176.76
23 09 23 12-0067	EA	36" x 40" Volume Control Damper (Ruskin CD36)	706.41	176.76
23 09 23 12-0068	EA	36" x 44" Volume Control Damper (Ruskin CD36)	738.49	176.76
23 09 23 12-0069	EA	36" x 48" Volume Control Damper (Ruskin CD36)	765.91	176.76
23 09 23 12-0070	EA	36" x 52" Volume Control Damper (Ruskin CD36)	797.99	176.76
23 09 23 12-0071	EA	36" x 56" Volume Control Damper (Ruskin CD36)	830.59	176.76
23 09 23 12-0072	EA	36" x 60" Volume Control Damper (Ruskin CD36)	857.50	176.76
23 09 23 12-0073	EA	36" x 64" Volume Control Damper (Ruskin CD36)	894.75	176.76
23 09 23 12-0074	EA	36" x 68" Volume Control Damper (Ruskin CD36)	968.95	198.86
23 09 23 12-0075	EA	36" x 72" Volume Control Damper (Ruskin CD36)	1,023.80	198.86
23 09 23 12-0076	EA	36" x 76" Volume Control Damper (Ruskin CD36)	1,191.44	198.86
23 09 23 12-0077	EA	36" x 80" Volume Control Damper (Ruskin CD36)	1,191.44	198.86
23 09 23 12-0078	EA	36" x 84" Volume Control Damper (Ruskin CD36)	1,263.88	198.86
23 09 23 12-0079	EA	40" x 40" Volume Control Damper (Ruskin CD36)	718.83	176.76
23 09 23 12-0080	EA	40" x 44" Volume Control Damper (Ruskin CD36)	750.91	176.76
23 09 23 12-0081	EA	40" x 48" Volume Control Damper (Ruskin CD36)	782.99	176.76
23 09 23 12-0082	EA	40" x 52" Volume Control Damper (Ruskin CD36)	818.17	176.76
23 09 23 12-0083	EA	40" x 56" Volume Control Damper (Ruskin CD36)	847.67	176.76
23 09 23 12-0084	EA	40" x 60" Volume Control Damper (Ruskin CD36)	919.28	198.86
23 09 23 12-0085	EA	40" x 64" Volume Control Damper (Ruskin CD36)	956.53	198.86
23 09 23 12-0086	EA	40" x 68" Volume Control Damper (Ruskin CD36)	991.20	198.86
23 09 23 12-0087	EA	40" x 72" Volume Control Damper (Ruskin CD36)	1,043.46	198.86
23 09 23 12-0088	EA	40" x 76" Volume Control Damper (Ruskin CD36)	1,219.38	198.86
23 09 23 12-0089	EA	40" x 80" Volume Control Damper (Ruskin CD36)	1,219.38	198.86
23 09 23 12-0090	EA	40" x 84" Volume Control Damper (Ruskin CD36)	1,291.82	198.86
23 09 23 12-0091	EA	44" x 40" Volume Control Damper (Ruskin CD36)	733.32	176.76
23 09 23 12-0092	EA	44" x 44" Volume Control Damper (Ruskin CD36)	765.91	176.76
23 09 23 12-0093	EA	44" x 48" Volume Control Damper (Ruskin CD36)	797.99	176.76
23 09 23 12-0094	EA	44" x 52" Volume Control Damper (Ruskin CD36)	832.66	176.76
23 09 23 12-0095	EA	44" x 56" Volume Control Damper (Ruskin CD36)	906.86	198.86
23 09 23 12-0096	EA	44" x 60" Volume Control Damper (Ruskin CD36)	941.53	198.86
23 09 23 12-0097	EA	44" x 64" Volume Control Damper (Ruskin CD36)	974.12	198.86
23 09 23 12-0098	EA	44" x 68" Volume Control Damper (Ruskin CD36)	1,013.45	198.86
23 09 23 12-0099	EA	44" x 72" Volume Control Damper (Ruskin CD36)	1,065.71	198.86
23 09 23 12-0100	EA	44" x 76" Volume Control Damper (Ruskin CD36)	1,252.50	198.86
23 09 23 12-0101	EA	44" x 80" Volume Control Damper (Ruskin CD36)	1,252.50	198.86
23 09 23 12-0102	EA	44" x 84" Volume Control Damper (Ruskin CD36)	1,369.64	220.96
23 09 23 12-0103	EA	40" x 40" Volume Control Damper (Ruskin CD36)	718.83	176.76
23 09 23 12-0104	EA	40" x 44" Volume Control Damper (Ruskin CD36)	750.91	176.76
23 09 23 12-0105	EA	40" x 48" Volume Control Damper (Ruskin CD36)	782.99	176.76
23 09 23 12-0106	EA	40" x 52" Volume Control Damper (Ruskin CD36)	818.17	176.76
23 09 23 12-0107	EA	40" x 56" Volume Control Damper (Ruskin CD36)	847.67	176.76
23 09 23 12-0108	EA	40" x 60" Volume Control Damper (Ruskin CD36)	919.28	198.86
23 09 23 12-0109	EA	40" x 64" Volume Control Damper (Ruskin CD36)	956.53	198.86
23 09 23 12-0110	EA	40" x 68" Volume Control Damper (Ruskin CD36)	991.20	198.86
23 09 23 12-0111	EA	40" x 72" Volume Control Damper (Ruskin CD36)	1,043.46	198.86
23 09 23 12-0112	EA	40" x 76" Volume Control Damper (Ruskin CD36)	1,219.38	198.86
23 09 23 12-0113	EA	40" x 80" Volume Control Damper (Ruskin CD36)	1,219.38	198.86
23 09 23 12-0114	EA	40" x 84" Volume Control Damper (Ruskin CD36)	1,291.82	198.86
23 09 23 12-0115	EA	44" x 40" Volume Control Damper (Ruskin CD36)	733.32	176.76
23 09 23 12-0116	EA	44" x 44" Volume Control Damper (Ruskin CD36)	765.91	176.76
23 09 23 12-0117	EA	44" x 48" Volume Control Damper (Ruskin CD36)	797.99	176.76
23 09 23 12-0118	EA	44" x 52" Volume Control Damper (Ruskin CD36)	832.66	176.76
23 09 23 12-0119	EA	44" x 56" Volume Control Damper (Ruskin CD36)	906.86	198.86
23 09 23 12-0120	EA	44" x 60" Volume Control Damper (Ruskin CD36)	941.53	198.86
23 09 23 12-0121	EA	44" x 64" Volume Control Damper (Ruskin CD36)	974.12	198.86
23 09 23 12-0122	EA	44" x 68" Volume Control Damper (Ruskin CD36)	1,013.45	198.86
23 09 23 12-0123	EA	44" x 72" Volume Control Damper (Ruskin CD36)	1,065.71	198.86
23 09 23 12-0124	EA	44" x 76" Volume Control Damper (Ruskin CD36)	1,252.50	198.86
23 09 23 12-0125	EA	44" x 80" Volume Control Damper (Ruskin CD36)	1,252.50	198.86
23 09 23 12-0126	EA	44" x 84" Volume Control Damper (Ruskin CD36)	1,369.64	220.96
23 09 23 12-0127	EA	48" x 40" Volume Control Damper (Ruskin CD36)	748.32	176.76
23 09 23 12-0128	EA	48" x 44" Volume Control Damper (Ruskin CD36)	780.92	176.76
23 09 23 12-0129	EA	48" x 48" Volume Control Damper (Ruskin CD36)	815.59	176.76
23 09 23 12-0130	EA	48" x 52" Volume Control Damper (Ruskin CD36)	894.44	198.86
23 09 23 12-0131	EA	48" x 56" Volume Control Damper (Ruskin CD36)	926.52	198.86
23 09 23 12-0132	EA	48" x 60" Volume Control Damper (Ruskin CD36)	956.53	198.86
23 09 23 12-0133	EA	48" x 64" Volume Control Damper (Ruskin CD36)	993.79	198.86
23 09 23 12-0134	EA	48" x 68" Volume Control Damper (Ruskin CD36)	1,031.04	198.86

MINOR			TOTAL DIRECT		DEMOLITION
CSI UOM DESCRIPTION			UNIT COST		UNIT COST
23 09 23 12-0135	EA	48" x 72" Volume Control Damper (Ruskin CD36).....	1,090.54		198.86
23 09 23 12-0136	EA	48" x 76" Volume Control Damper (Ruskin CD36).....	1,330.32		220.96
23 09 23 12-0137	EA	48" x 80" Volume Control Damper (Ruskin CD36).....	1,330.32		220.96
23 09 23 12-0138	EA	48" x 84" Volume Control Damper (Ruskin CD36).....	1,403.27		220.96
23 09 23 12-0139	EA	52" x 40" Volume Control Damper (Ruskin CD36).....	1,098.61		176.76
23 09 23 12-0140	EA	52" x 44" Volume Control Damper (Ruskin CD36).....	1,148.29		176.76
23 09 23 12-0141	EA	52" x 48" Volume Control Damper (Ruskin CD36).....	1,269.57		198.86
23 09 23 12-0142	EA	52" x 52" Volume Control Damper (Ruskin CD36).....	1,338.91		198.86
23 09 23 12-0143	EA	52" x 56" Volume Control Damper (Ruskin CD36).....	1,388.58		198.86
23 09 23 12-0144	EA	52" x 60" Volume Control Damper (Ruskin CD36).....	1,446.01		198.86
23 09 23 12-0145	EA	52" x 64" Volume Control Damper (Ruskin CD36).....	1,520.52		198.86
23 09 23 12-0146	EA	52" x 68" Volume Control Damper (Ruskin CD36).....	1,599.68		198.86
23 09 23 12-0147	EA	52" x 72" Volume Control Damper (Ruskin CD36).....	1,738.56		220.96
23 09 23 12-0148	EA	52" x 76" Volume Control Damper (Ruskin CD36).....	1,917.07		220.96
23 09 23 12-0149	EA	52" x 80" Volume Control Damper (Ruskin CD36).....	1,917.59		220.96
23 09 23 12-0150	EA	52" x 84" Volume Control Damper (Ruskin CD36).....	2,028.83		220.96
23 09 23 12-0151	EA	56" x 40" Volume Control Damper (Ruskin CD36).....	1,108.44		176.76
23 09 23 12-0152	EA	56" x 44" Volume Control Damper (Ruskin CD36).....	1,210.07		198.86
23 09 23 12-0153	EA	56" x 48" Volume Control Damper (Ruskin CD36).....	1,284.58		198.86
23 09 23 12-0154	EA	56" x 52" Volume Control Damper (Ruskin CD36).....	1,346.67		198.86
23 09 23 12-0155	EA	56" x 56" Volume Control Damper (Ruskin CD36).....	1,403.58		198.86
23 09 23 12-0156	EA	56" x 60" Volume Control Damper (Ruskin CD36).....	1,468.26		198.86
23 09 23 12-0157	EA	56" x 64" Volume Control Damper (Ruskin CD36).....	1,540.18		198.86
23 09 23 12-0158	EA	56" x 68" Volume Control Damper (Ruskin CD36).....	1,673.88		220.96
23 09 23 12-0159	EA	56" x 72" Volume Control Damper (Ruskin CD36).....	1,773.23		220.96
23 09 23 12-0160	EA	56" x 76" Volume Control Damper (Ruskin CD36).....	1,917.07		220.96
23 09 23 12-0161	EA	56" x 80" Volume Control Damper (Ruskin CD36).....	1,917.07		220.96
23 09 23 12-0162	EA	56" x 84" Volume Control Damper (Ruskin CD36).....	2,028.83		220.96
23 09 23 12-0163	EA	60" x 40" Volume Control Damper (Ruskin CD36).....	1,167.64		198.86
23 09 23 12-0164	EA	60" x 44" Volume Control Damper (Ruskin CD36).....	1,232.32		198.86
23 09 23 12-0165	EA	60" x 48" Volume Control Damper (Ruskin CD36).....	1,304.24		198.86
23 09 23 12-0166	EA	60" x 52" Volume Control Damper (Ruskin CD36).....	1,368.92		198.86
23 09 23 12-0167	EA	60" x 56" Volume Control Damper (Ruskin CD36).....	1,438.25		198.86
23 09 23 12-0168	EA	60" x 60" Volume Control Damper (Ruskin CD36).....	1,490.51		198.86
23 09 23 12-0169	EA	60" x 64" Volume Control Damper (Ruskin CD36).....	1,606.62		220.96
23 09 23 12-0170	EA	60" x 68" Volume Control Damper (Ruskin CD36).....	1,693.55		220.96
23 09 23 12-0171	EA	60" x 72" Volume Control Damper (Ruskin CD36).....	1,807.90		220.96
23 09 23 12-0172	EA	60" x 76" Volume Control Damper (Ruskin CD36).....	1,972.95		220.96
23 09 23 12-0173	EA	60" x 80" Volume Control Damper (Ruskin CD36).....	1,972.95		220.96
23 09 23 12-0174	EA	60" x 84" Volume Control Damper (Ruskin CD36).....	2,118.35		220.96
23 09 23 12-0175	EA	64" x 40" Volume Control Damper (Ruskin CD36).....	1,182.64		198.86
23 09 23 12-0176	EA	64" x 44" Volume Control Damper (Ruskin CD36).....	1,254.57		198.86
23 09 23 12-0177	EA	64" x 48" Volume Control Damper (Ruskin CD36).....	1,323.90		198.86
23 09 23 12-0178	EA	64" x 52" Volume Control Damper (Ruskin CD36).....	1,385.99		198.86
23 09 23 12-0179	EA	64" x 56" Volume Control Damper (Ruskin CD36).....	1,455.84		198.86
23 09 23 12-0180	EA	64" x 60" Volume Control Damper (Ruskin CD36).....	1,556.95		220.96
23 09 23 12-0181	EA	64" x 64" Volume Control Damper (Ruskin CD36).....	1,626.80		220.96
23 09 23 12-0182	EA	64" x 68" Volume Control Damper (Ruskin CD36).....	1,711.14		220.96
23 09 23 12-0183	EA	64" x 72" Volume Control Damper (Ruskin CD36).....	1,842.56		220.96
23 09 23 12-0184	EA	64" x 76" Volume Control Damper (Ruskin CD36).....	1,972.95		220.96
23 09 23 12-0185	EA	64" x 80" Volume Control Damper (Ruskin CD36).....	1,972.95		220.96
23 09 23 12-0186	EA	64" x 84" Volume Control Damper (Ruskin CD36).....	2,162.55		243.05
23 09 23 12-0187	EA	66" x 40" Volume Control Damper (Ruskin CD36).....	1,195.06		198.86
23 09 23 12-0188	EA	66" x 44" Volume Control Damper (Ruskin CD36).....	1,269.57		198.86
23 09 23 12-0189	EA	66" x 48" Volume Control Damper (Ruskin CD36).....	1,336.32		198.86
23 09 23 12-0190	EA	66" x 52" Volume Control Damper (Ruskin CD36).....	1,403.58		198.86
23 09 23 12-0191	EA	66" x 56" Volume Control Damper (Ruskin CD36).....	1,519.69		220.96
23 09 23 12-0192	EA	66" x 60" Volume Control Damper (Ruskin CD36).....	1,579.20		220.96
23 09 23 12-0193	EA	66" x 64" Volume Control Damper (Ruskin CD36).....	1,656.29		220.96
23 09 23 12-0194	EA	66" x 68" Volume Control Damper (Ruskin CD36).....	1,733.39		220.96
23 09 23 12-0195	EA	66" x 72" Volume Control Damper (Ruskin CD36).....	1,862.74		220.96
23 09 23 12-0196	EA	66" x 76" Volume Control Damper (Ruskin CD36).....	2,028.83		220.96
23 09 23 12-0197	EA	66" x 80" Volume Control Damper (Ruskin CD36).....	2,073.03		243.05
23 09 23 12-0198	EA	66" x 84" Volume Control Damper (Ruskin CD36).....	2,218.43		243.05
23 09 23 12-0199	EA	72" x 40" Volume Control Damper (Ruskin CD36).....	1,209.55		198.86
23 09 23 12-0200	EA	72" x 44" Volume Control Damper (Ruskin CD36).....	1,284.58		198.86
23 09 23 12-0201	EA	72" x 48" Volume Control Damper (Ruskin CD36).....	1,346.67		198.86
23 09 23 12-0202	EA	72" x 52" Volume Control Damper (Ruskin CD36).....	1,465.36		220.96
23 09 23 12-0203	EA	72" x 56" Volume Control Damper (Ruskin CD36).....	1,539.87		220.96
23 09 23 12-0204	EA	72" x 60" Volume Control Damper (Ruskin CD36).....	1,601.96		220.96
23 09 23 12-0205	EA	72" x 64" Volume Control Damper (Ruskin CD36).....	1,688.89		220.96
23 09 23 12-0206	EA	72" x 68" Volume Control Damper (Ruskin CD36).....	1,755.64		220.96
23 09 23 12-0207	EA	72" x 72" Volume Control Damper (Ruskin CD36).....	1,882.40		220.96
23 09 23 12-0208	EA	72" x 76" Volume Control Damper (Ruskin CD36).....	2,073.03		243.05
23 09 23 12-0209	EA	72" x 80" Volume Control Damper (Ruskin CD36).....	2,073.03		243.05
23 09 23 12-0210	EA	72" x 84" Volume Control Damper (Ruskin CD36).....	2,218.43		243.05
23 09 23 12-0211	EA	76" x 40" Volume Control Damper (Ruskin CD36).....	1,224.56		198.86
23 09 23 12-0212	EA	76" x 44" Volume Control Damper (Ruskin CD36).....	1,296.99		198.86
23 09 23 12-0213	EA	76" x 48" Volume Control Damper (Ruskin CD36).....	1,410.52		220.96
23 09 23 12-0214	EA	76" x 52" Volume Control Damper (Ruskin CD36).....	1,485.03		220.96
23 09 23 12-0215	EA	76" x 56" Volume Control Damper (Ruskin CD36).....	1,559.53		220.96
23 09 23 12-0216	EA	76" x 60" Volume Control Damper (Ruskin CD36).....	1,621.63		220.96
23 09 23 12-0217	EA	76" x 64" Volume Control Damper (Ruskin CD36).....	1,708.55		220.96
23 09 23 12-0218	EA	76" x 68" Volume Control Damper (Ruskin CD36).....	1,792.89		220.96
23 09 23 12-0219	EA	76" x 72" Volume Control Damper (Ruskin CD36).....	1,948.85		243.05

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 09 23 12-0220	EA	76" x 76" Volume Control Damper (Ruskin CD36).....	2,128.92	243.05
23 09 23 12-0221	EA	76" x 80" Volume Control Damper (Ruskin CD36).....	2,128.92	243.05
23 09 23 12-0222	EA	76" x 84" Volume Control Damper (Ruskin CD36).....	2,274.31	243.05
23 09 23 12-0223	EA	80" x 40" Volume Control Damper (Ruskin CD36).....	1,239.56	198.86
23 09 23 12-0224	EA	80" x 44" Volume Control Damper (Ruskin CD36).....	1,311.48	198.86
23 09 23 12-0225	EA	80" x 48" Volume Control Damper (Ruskin CD36).....	1,430.18	220.96
23 09 23 12-0226	EA	80" x 52" Volume Control Damper (Ruskin CD36).....	1,512.45	220.96
23 09 23 12-0227	EA	80" x 56" Volume Control Damper (Ruskin CD36).....	1,579.20	220.96
23 09 23 12-0228	EA	80" x 60" Volume Control Damper (Ruskin CD36).....	1,641.29	220.96
23 09 23 12-0229	EA	80" x 64" Volume Control Damper (Ruskin CD36).....	1,728.21	220.96
23 09 23 12-0230	EA	80" x 68" Volume Control Damper (Ruskin CD36).....	1,852.10	243.05
23 09 23 12-0231	EA	80" x 72" Volume Control Damper (Ruskin CD36).....	1,971.10	243.05
23 09 23 12-0232	EA	80" x 76" Volume Control Damper (Ruskin CD36).....	2,128.92	243.05
23 09 23 12-0233	EA	80" x 80" Volume Control Damper (Ruskin CD36).....	2,128.92	243.05
23 09 23 12-0234	EA	80" x 84" Volume Control Damper (Ruskin CD36).....	2,274.31	243.05
23 09 23 12-0235	EA	84" x 40" Volume Control Damper (Ruskin CD36).....	1,249.39	198.86
23 09 23 12-0236	EA	84" x 44" Volume Control Damper (Ruskin CD36).....	1,368.09	220.96
23 09 23 12-0237	EA	84" x 48" Volume Control Damper (Ruskin CD36).....	1,450.36	220.96
23 09 23 12-0238	EA	84" x 52" Volume Control Damper (Ruskin CD36).....	1,539.87	220.96
23 09 23 12-0239	EA	84" x 56" Volume Control Damper (Ruskin CD36).....	1,594.20	220.96
23 09 23 12-0240	EA	84" x 60" Volume Control Damper (Ruskin CD36).....	1,661.47	220.96
23 09 23 12-0241	EA	84" x 64" Volume Control Damper (Ruskin CD36).....	1,792.59	243.05
23 09 23 12-0242	EA	84" x 68" Volume Control Damper (Ruskin CD36).....	1,879.52	243.05
23 09 23 12-0243	EA	84" x 72" Volume Control Damper (Ruskin CD36).....	1,993.87	243.05
23 09 23 12-0244	EA	84" x 76" Volume Control Damper (Ruskin CD36).....	2,196.18	243.05
23 09 23 12-0245	EA	84" x 80" Volume Control Damper (Ruskin CD36).....	2,196.18	243.05
23 09 23 12-0246	EA	84" x 84" Volume Control Damper (Ruskin CD36).....	2,341.57	243.05

23 09 23 12-0247 Low Leakage Rectangular Volume Control Dampers (Ruskin CD50) (23 09 23 12-

0001)

23 09 23 12-0248	EA	8" x 8" Low Leakage Volume Control Damper (Ruskin CD50)	342.69	66.29
23 09 23 12-0249	EA	8" x 12" Low Leakage Volume Control Damper (Ruskin CD50)	417.00	66.29
23 09 23 12-0250	EA	8" x 16" Low Leakage Volume Control Damper (Ruskin CD50)	468.25	66.29
23 09 23 12-0251	EA	8" x 20" Low Leakage Volume Control Damper (Ruskin CD50)	520.13	88.39
23 09 23 12-0252	EA	8" x 24" Low Leakage Volume Control Damper (Ruskin CD50)	573.94	88.39
23 09 23 12-0253	EA	8" x 28" Low Leakage Volume Control Damper (Ruskin CD50)	622.63	88.39
23 09 23 12-0254	EA	8" x 32" Low Leakage Volume Control Damper (Ruskin CD50)	630.31	88.39
23 09 23 12-0255	EA	8" x 36" Low Leakage Volume Control Damper (Ruskin CD50)	725.76	110.48
23 09 23 12-0256	EA	12" x 8" Low Leakage Volume Control Damper (Ruskin CD50)	342.69	66.29
23 09 23 12-0257	EA	12" x 12" Low Leakage Volume Control Damper (Ruskin CD50)	417.00	66.29
23 09 23 12-0258	EA	12" x 16" Low Leakage Volume Control Damper (Ruskin CD50)	512.44	88.39
23 09 23 12-0259	EA	12" x 20" Low Leakage Volume Control Damper (Ruskin CD50)	520.13	88.39
23 09 23 12-0260	EA	12" x 24" Low Leakage Volume Control Damper (Ruskin CD50)	618.14	110.48
23 09 23 12-0261	EA	12" x 28" Low Leakage Volume Control Damper (Ruskin CD50)	666.83	110.48
23 09 23 12-0262	EA	12" x 32" Low Leakage Volume Control Damper (Ruskin CD50)	674.51	110.48
23 09 23 12-0263	EA	12" x 36" Low Leakage Volume Control Damper (Ruskin CD50)	769.95	132.57
23 09 23 12-0264	EA	16" x 8" Low Leakage Volume Control Damper (Ruskin CD50)	352.94	66.29
23 09 23 12-0265	EA	16" x 12" Low Leakage Volume Control Damper (Ruskin CD50)	479.13	88.39
23 09 23 12-0266	EA	16" x 16" Low Leakage Volume Control Damper (Ruskin CD50)	538.07	88.39
23 09 23 12-0267	EA	16" x 20" Low Leakage Volume Control Damper (Ruskin CD50)	587.39	110.48
23 09 23 12-0268	EA	16" x 24" Low Leakage Volume Control Damper (Ruskin CD50)	646.33	110.48
23 09 23 12-0269	EA	16" x 28" Low Leakage Volume Control Damper (Ruskin CD50)	741.77	132.57
23 09 23 12-0270	EA	16" x 32" Low Leakage Volume Control Damper (Ruskin CD50)	749.45	132.57
23 09 23 12-0271	EA	16" x 36" Low Leakage Volume Control Damper (Ruskin CD50)	813.52	132.57
23 09 23 12-0272	EA	20" x 8" Low Leakage Volume Control Damper (Ruskin CD50)	417.63	88.39
23 09 23 12-0273	EA	20" x 12" Low Leakage Volume Control Damper (Ruskin CD50)	512.44	88.39
23 09 23 12-0274	EA	20" x 16" Low Leakage Volume Control Damper (Ruskin CD50)	618.14	110.48
23 09 23 12-0275	EA	20" x 20" Low Leakage Volume Control Damper (Ruskin CD50)	625.83	110.48
23 09 23 12-0276	EA	20" x 24" Low Leakage Volume Control Damper (Ruskin CD50)	721.27	132.57
23 09 23 12-0277	EA	20" x 28" Low Leakage Volume Control Damper (Ruskin CD50)	787.89	132.57
23 09 23 12-0278	EA	20" x 32" Low Leakage Volume Control Damper (Ruskin CD50)	850.02	154.67
23 09 23 12-0279	EA	20" x 36" Low Leakage Volume Control Damper (Ruskin CD50)	901.27	154.67
23 09 23 12-0280	EA	24" x 8" Low Leakage Volume Control Damper (Ruskin CD50)	438.13	88.39
23 09 23 12-0281	EA	24" x 12" Low Leakage Volume Control Damper (Ruskin CD50)	577.14	110.48
23 09 23 12-0282	EA	24" x 16" Low Leakage Volume Control Damper (Ruskin CD50)	638.64	110.48
23 09 23 12-0283	EA	24" x 20" Low Leakage Volume Control Damper (Ruskin CD50)	693.08	132.57
23 09 23 12-0284	EA	24" x 24" Low Leakage Volume Control Damper (Ruskin CD50)	762.27	132.57
23 09 23 12-0285	EA	24" x 28" Low Leakage Volume Control Damper (Ruskin CD50)	870.52	154.67
23 09 23 12-0286	EA	24" x 32" Low Leakage Volume Control Damper (Ruskin CD50)	883.33	154.67
23 09 23 12-0287	EA	24" x 36" Low Leakage Volume Control Damper (Ruskin CD50)	947.39	154.67
23 09 23 12-0288	EA	28" x 8" Low Leakage Volume Control Damper (Ruskin CD50)	448.38	88.39
23 09 23 12-0289	EA	28" x 12" Low Leakage Volume Control Damper (Ruskin CD50)	595.08	110.48
23 09 23 12-0290	EA	28" x 16" Low Leakage Volume Control Damper (Ruskin CD50)	705.89	132.57
23 09 23 12-0291	EA	28" x 20" Low Leakage Volume Control Damper (Ruskin CD50)	718.70	132.57
23 09 23 12-0292	EA	28" x 24" Low Leakage Volume Control Damper (Ruskin CD50)	837.21	154.67
23 09 23 12-0293	EA	28" x 28" Low Leakage Volume Control Damper (Ruskin CD50)	903.83	154.67
23 09 23 12-0294	EA	28" x 32" Low Leakage Volume Control Damper (Ruskin CD50)	908.95	154.67
23 09 23 12-0295	EA	28" x 36" Low Leakage Volume Control Damper (Ruskin CD50)	990.95	154.67
23 09 23 12-0296	EA	32" x 8" Low Leakage Volume Control Damper (Ruskin CD50)	471.44	88.39
23 09 23 12-0297	EA	32" x 12" Low Leakage Volume Control Damper (Ruskin CD50)	623.27	110.48
23 09 23 12-0298	EA	32" x 16" Low Leakage Volume Control Damper (Ruskin CD50)	749.45	132.57
23 09 23 12-0299	EA	32" x 20" Low Leakage Volume Control Damper (Ruskin CD50)	801.33	154.67
23 09 23 12-0300	EA	32" x 24" Low Leakage Volume Control Damper (Ruskin CD50)	883.33	154.67
23 09 23 12-0301	EA	32" x 28" Low Leakage Volume Control Damper (Ruskin CD50)	944.83	154.67
23 09 23 12-0302	EA	32" x 32" Low Leakage Volume Control Damper (Ruskin CD50)	960.20	154.67

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 12-0303	EA	32" x 36" Low Leakage Volume Control Damper (Ruskin CD50)	1,078.71	176.76
23 09 23 12-0304	EA	36" x 8" Low Leakage Volume Control Damper (Ruskin CD50)	538.70	110.48
23 09 23 12-0305	EA	36" x 12" Low Leakage Volume Control Damper (Ruskin CD50)	690.52	132.57
23 09 23 12-0306	EA	36" x 16" Low Leakage Volume Control Damper (Ruskin CD50)	769.95	132.57
23 09 23 12-0307	EA	36" x 20" Low Leakage Volume Control Damper (Ruskin CD50)	821.83	154.67
23 09 23 12-0308	EA	36" x 24" Low Leakage Volume Control Damper (Ruskin CD50)	908.95	154.67
23 09 23 12-0309	EA	36" x 28" Low Leakage Volume Control Damper (Ruskin CD50)	993.52	154.67
23 09 23 12-0310	EA	36" x 32" Low Leakage Volume Control Damper (Ruskin CD50)	1,042.83	176.76
23 09 23 12-0311	EA	36" x 36" Low Leakage Volume Control Damper (Ruskin CD50)	1,127.39	176.76
23 09 23 12-0312	EA	36" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	1,201.70	176.76
23 09 23 12-0313	EA	36" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	1,219.64	176.76
23 09 23 12-0314	EA	36" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	1,306.76	176.76
23 09 23 12-0315	EA	36" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	1,386.20	176.76
23 09 23 12-0316	EA	36" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	1,404.14	176.76
23 09 23 12-0317	EA	36" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	1,478.45	176.76
23 09 23 12-0318	EA	36" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	1,555.32	176.76
23 09 23 12-0319	EA	36" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	1,614.89	198.86
23 09 23 12-0320	EA	36" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	1,694.32	198.86
23 09 23 12-0321	EA	36" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	2,263.83	198.86
23 09 23 12-0322	EA	36" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	2,263.83	198.86
23 09 23 12-0323	EA	36" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	2,302.91	198.86
23 09 23 12-0324	EA	40" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	1,255.51	176.76
23 09 23 12-0325	EA	40" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	1,270.89	176.76
23 09 23 12-0326	EA	40" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	1,355.45	176.76
23 09 23 12-0327	EA	40" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	1,447.70	176.76
23 09 23 12-0328	EA	40" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	1,455.39	176.76
23 09 23 12-0329	EA	40" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	1,584.14	198.86
23 09 23 12-0330	EA	40" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	1,671.26	198.86
23 09 23 12-0331	EA	40" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	1,694.32	198.86
23 09 23 12-0332	EA	40" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	1,781.45	198.86
23 09 23 12-0333	EA	40" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	2,382.34	198.86
23 09 23 12-0334	EA	40" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	2,382.34	198.86
23 09 23 12-0335	EA	40" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	2,415.65	198.86
23 09 23 12-0336	EA	44" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	1,299.08	176.76
23 09 23 12-0337	EA	44" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	1,322.14	176.76
23 09 23 12-0338	EA	44" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	1,409.26	176.76
23 09 23 12-0339	EA	44" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	1,511.76	176.76
23 09 23 12-0340	EA	44" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	1,563.64	198.86
23 09 23 12-0341	EA	44" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	1,650.76	198.86
23 09 23 12-0342	EA	44" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	1,748.13	198.86
23 09 23 12-0343	EA	44" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	1,771.20	198.86
23 09 23 12-0344	EA	44" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	1,855.76	198.86
23 09 23 12-0345	EA	44" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	2,477.79	198.86
23 09 23 12-0346	EA	44" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	2,477.79	198.86
23 09 23 12-0347	EA	44" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	2,572.59	220.96
23 09 23 12-0348	EA	40" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	1,255.51	176.76
23 09 23 12-0349	EA	40" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	1,270.89	176.76
23 09 23 12-0350	EA	40" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	1,355.45	176.76
23 09 23 12-0351	EA	40" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	1,447.70	176.76
23 09 23 12-0352	EA	40" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	1,455.39	176.76
23 09 23 12-0353	EA	40" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	1,584.14	198.86
23 09 23 12-0354	EA	40" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	1,671.26	198.86
23 09 23 12-0355	EA	40" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	1,694.32	198.86
23 09 23 12-0356	EA	40" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	1,781.45	198.86
23 09 23 12-0357	EA	40" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	2,382.34	198.86
23 09 23 12-0358	EA	40" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	2,382.34	198.86
23 09 23 12-0359	EA	40" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	2,415.65	198.86
23 09 23 12-0360	EA	44" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	1,299.08	176.76
23 09 23 12-0361	EA	44" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	1,322.14	176.76
23 09 23 12-0362	EA	44" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	1,355.45	176.76
23 09 23 12-0363	EA	44" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	1,447.70	176.76
23 09 23 12-0364	EA	44" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	1,563.64	198.86
23 09 23 12-0365	EA	44" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	1,650.76	198.86
23 09 23 12-0366	EA	44" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	1,748.13	198.86
23 09 23 12-0367	EA	44" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	1,771.20	198.86
23 09 23 12-0368	EA	44" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	1,855.76	198.86
23 09 23 12-0369	EA	44" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	2,477.79	198.86
23 09 23 12-0370	EA	44" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	2,477.79	198.86
23 09 23 12-0371	EA	44" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	2,572.59	220.96
23 09 23 12-0372	EA	48" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	1,347.76	176.76
23 09 23 12-0373	EA	48" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	1,368.26	176.76
23 09 23 12-0374	EA	48" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	1,468.20	176.76
23 09 23 12-0375	EA	48" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	1,614.89	198.86
23 09 23 12-0376	EA	48" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	1,635.39	198.86
23 09 23 12-0377	EA	48" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	1,719.95	198.86
23 09 23 12-0378	EA	48" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	1,817.32	198.86
23 09 23 12-0379	EA	48" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	1,835.26	198.86
23 09 23 12-0380	EA	48" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	1,930.07	198.86
23 09 23 12-0381	EA	48" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	2,628.97	220.96
23 09 23 12-0382	EA	48" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	2,628.97	220.96
23 09 23 12-0383	EA	48" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	2,674.45	220.96
23 09 23 12-0384	EA	52" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	1,501.51	176.76
23 09 23 12-0385	EA	52" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	1,522.01	176.76
23 09 23 12-0386	EA	52" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	1,676.39	198.86
23 09 23 12-0387	EA	52" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	1,799.38	198.86

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

23 09 23 12-0388	EA	52" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	1,819.88	198.86
23 09 23 12-0389	EA	52" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	1,917.26	198.86
23 09 23 12-0390	EA	52" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	2,022.32	198.86
23 09 23 12-0391	EA	52" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	2,063.32	198.86
23 09 23 12-0392	EA	52" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	2,238.19	220.96
23 09 23 12-0393	EA	52" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	3,711.60	220.96
23 09 23 12-0394	EA	52" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	3,711.60	220.96
23 09 23 12-0395	EA	52" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	3,846.77	220.96
23 09 23 12-0396	EA	56" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	1,555.32	176.76
23 09 23 12-0397	EA	56" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	1,625.14	198.86
23 09 23 12-0398	EA	56" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	1,735.32	198.86
23 09 23 12-0399	EA	56" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	1,876.26	198.86
23 09 23 12-0400	EA	56" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	1,899.32	198.86
23 09 23 12-0401	EA	56" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	2,004.38	198.86
23 09 23 12-0402	EA	56" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	2,114.57	198.86
23 09 23 12-0403	EA	56" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	2,197.19	220.96
23 09 23 12-0404	EA	56" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	2,304.82	220.96
23 09 23 12-0405	EA	56" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	3,711.60	220.96
23 09 23 12-0406	EA	56" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	3,711.60	220.96
23 09 23 12-0407	EA	56" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	3,846.77	220.96
23 09 23 12-0408	EA	60" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	1,655.89	198.86
23 09 23 12-0409	EA	60" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	1,676.39	198.86
23 09 23 12-0410	EA	60" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	1,807.07	198.86
23 09 23 12-0411	EA	60" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	1,937.76	198.86
23 09 23 12-0412	EA	60" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	1,963.38	198.86
23 09 23 12-0413	EA	60" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	2,073.57	198.86
23 09 23 12-0414	EA	60" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	2,238.19	220.96
23 09 23 12-0415	EA	60" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	2,263.82	220.96
23 09 23 12-0416	EA	60" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	2,394.50	220.96
23 09 23 12-0417	EA	60" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	3,993.47	220.96
23 09 23 12-0418	EA	60" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	3,993.47	220.96
23 09 23 12-0419	EA	60" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	4,038.32	220.96
23 09 23 12-0420	EA	64" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	2,176.06	198.86
23 09 23 12-0421	EA	64" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	2,199.13	198.86
23 09 23 12-0422	EA	64" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	2,406.69	198.86
23 09 23 12-0423	EA	64" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	2,539.93	198.86
23 09 23 12-0424	EA	64" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	2,586.06	198.86
23 09 23 12-0425	EA	64" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	2,778.87	220.96
23 09 23 12-0426	EA	64" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	2,942.87	220.96
23 09 23 12-0427	EA	64" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	2,983.87	220.96
23 09 23 12-0428	EA	64" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	3,119.68	220.96
23 09 23 12-0429	EA	64" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	3,993.47	220.96
23 09 23 12-0430	EA	64" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	3,993.47	220.96
23 09 23 12-0431	EA	64" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	4,082.52	243.05
23 09 23 12-0432	EA	66" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	2,224.75	198.86
23 09 23 12-0433	EA	66" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	2,250.38	198.86
23 09 23 12-0434	EA	66" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	2,447.68	198.86
23 09 23 12-0435	EA	66" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	2,606.56	198.86
23 09 23 12-0436	EA	66" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	2,689.18	220.96
23 09 23 12-0437	EA	66" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	2,845.49	220.96
23 09 23 12-0438	EA	66" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	3,014.62	220.96
23 09 23 12-0439	EA	66" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	3,053.05	220.96
23 09 23 12-0440	EA	66" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	3,224.74	220.96
23 09 23 12-0441	EA	66" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	4,174.13	220.96
23 09 23 12-0442	EA	66" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	4,218.33	243.05
23 09 23 12-0443	EA	66" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	4,297.12	243.05
23 09 23 12-0444	EA	72" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	2,268.31	198.86
23 09 23 12-0445	EA	72" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	2,301.62	198.86
23 09 23 12-0446	EA	72" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	2,493.81	198.86
23 09 23 12-0447	EA	72" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	2,714.81	220.96
23 09 23 12-0448	EA	72" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	2,750.68	220.96
23 09 23 12-0449	EA	72" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	2,914.68	220.96
23 09 23 12-0450	EA	72" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	3,086.36	220.96
23 09 23 12-0451	EA	72" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	3,119.68	220.96
23 09 23 12-0452	EA	72" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	3,299.05	220.96
23 09 23 12-0453	EA	72" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	4,218.33	243.05
23 09 23 12-0454	EA	72" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	4,218.33	243.05
23 09 23 12-0455	EA	72" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	4,297.12	243.05
23 09 23 12-0456	EA	76" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	2,322.12	198.86
23 09 23 12-0457	EA	76" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	2,358.00	198.86
23 09 23 12-0458	EA	76" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	2,594.37	220.96
23 09 23 12-0459	EA	76" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	2,781.43	220.96
23 09 23 12-0460	EA	76" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	2,804.49	220.96
23 09 23 12-0461	EA	76" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	2,983.87	220.96
23 09 23 12-0462	EA	76" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	3,165.80	220.96
23 09 23 12-0463	EA	76" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	3,209.36	220.96
23 09 23 12-0464	EA	76" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	3,435.50	243.05
23 09 23 12-0465	EA	76" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	4,454.71	243.05
23 09 23 12-0466	EA	76" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	4,454.71	243.05
23 09 23 12-0467	EA	76" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	4,522.62	243.05
23 09 23 12-0468	EA	80" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	2,381.06	198.86
23 09 23 12-0469	EA	80" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	2,414.37	198.86
23 09 23 12-0470	EA	80" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	2,648.18	220.96
23 09 23 12-0471	EA	80" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	2,845.49	220.96
23 09 23 12-0472	EA	80" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	2,863.43	220.96

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 12-0473	EA	80" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	3,053.05	220.96
23 09 23 12-0474	EA	80" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	3,245.24	220.96
23 09 23 12-0475	EA	80" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	3,343.25	243.05
23 09 23 12-0476	EA	80" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	3,530.31	243.05
23 09 23 12-0477	EA	80" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	4,454.71	243.05
23 09 23 12-0478	EA	80" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	4,454.71	243.05
23 09 23 12-0479	EA	80" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	4,522.62	243.05
23 09 23 12-0480	EA	84" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	2,429.75	198.86
23 09 23 12-0481	EA	84" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	2,497.00	220.96
23 09 23 12-0482	EA	84" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	2,691.75	220.96
23 09 23 12-0483	EA	84" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	2,912.12	220.96
23 09 23 12-0484	EA	84" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	2,922.37	220.96
23 09 23 12-0485	EA	84" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	3,101.74	220.96
23 09 23 12-0486	EA	84" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	3,350.94	243.05
23 09 23 12-0487	EA	84" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	3,407.31	243.05
23 09 23 12-0488	EA	84" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	3,596.93	243.05
23 09 23 12-0489	EA	84" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	4,646.26	243.05
23 09 23 12-0490	EA	84" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	4,646.26	243.05
23 09 23 12-0491	EA	84" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	4,748.11	243.05
23 09 23 12-0492 Rectangular Galvanized Volume Control Dampers (23 09 23 12)				
Note: Excludes actuators.				
23 09 23 12-0493	EA	8" x 8" Low Leakage Volume Control Damper (Johnson Controls VOPSN-008X008)	248.72	54.80
23 09 23 12-0494	EA	10" x 10" Low Leakage Volume Control Damper (Johnson Controls VOPSN-010X010)	279.64	60.10
23 09 23 12-0495	EA	12" x 12" Low Leakage Volume Control Damper (Johnson Controls VOPSN-012X012)	312.29	66.29
23 09 23 12-0496	EA	14" x 14" Low Leakage Volume Control Damper (Johnson Controls VOPSN-014X014)	361.57	77.78
23 09 23 12-0497	EA	16" x 16" Low Leakage Volume Control Damper (Johnson Controls VOPSN-016X016)	409.06	88.39
23 09 23 12-0498	EA	18" x 18" Low Leakage Volume Control Damper (Johnson Controls VOPSN-018X018)	418.01	99.43
23 09 23 12-0499	EA	20" x 20" Low Leakage Volume Control Damper (Johnson Controls VOPSN-020X020)	508.08	110.48
23 09 23 12-0500	EA	24" x 24" Low Leakage Volume Control Damper (Johnson Controls VOPSN-024X024)	607.04	132.57
23 09 23 12-0501	EA	32" x 32" Low Leakage Volume Control Damper (Johnson Controls VOPSN-032X032)	772.87	154.67
23 09 23 12-0502	EA	48" x 48" Low Leakage Volume Control Damper (Johnson Controls VOPSN-048X048)	1,124.96	176.76
23 09 23 12-0503	EA	60" x 60" Low Leakage Volume Control Damper (Johnson Controls VOPSN-060X060)	2,009.63	198.86
23 09 23 12-0504	EA	72" x 72" Low Leakage Volume Control Damper (Johnson Controls VOPSN-072X072)	2,539.26	220.96
23 09 23 12-0505 Round Galvanized Control Dampers (23 09 23 12)				
Note: Excludes actuators.				
23 09 23 12-0506	EA	6" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG06)	245.36	61.87
23 09 23 12-0507	EA	8" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG08)	254.31	66.29
23 09 23 12-0508	EA	10" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG10)	264.06	66.29
23 09 23 12-0509	EA	12" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG12)	293.80	75.13
23 09 23 12-0510	EA	14" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG14)	329.95	75.13
23 09 23 12-0511	EA	16" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG16)	360.85	88.39
23 09 23 12-0512	EA	18" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG18)	483.76	93.03
23 09 23 12-0513	EA	20" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG20)	505.34	96.43
23 09 23 12-0514	EA	22" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG22)	537.12	103.96
23 09 23 12-0515	EA	24" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG24)	569.47	111.48
23 09 23 12-0516 Remote Damper Control (23 09 23 12)				
23 09 23 12-0517	EA	Remote Cable Control Concealed Ceiling Regulator For Damper (Young Regulator Co. 270-301B)	387.03	
		For Each 10' Flexible Casing And Wire, Add	42.60	
23 09 23 12-0518	EA	Remote Cable Control Concealed Ceiling Regulator For Damper (Young Regulator Co. 270-275B)	378.32	
		For Each 10' Flexible Casing And Wire, Add	42.60	
23 09 23 12-0519 Control Damper Actuators (23 09 23 12)				
23 09 23 12-0520	EA	44 IN-Lb., 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo LMB24-SR)	689.48	146.04
23 09 23 12-0521	EA	90 IN-Lb., 24 Volt AC/DC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo NMB24-SR)	736.55	146.04
23 09 23 12-0522	EA	90 IN-Lb., 2 Position, 24 To 240 Volt AC Spring Return Direct Coupled Control Damper Actuator (Belimo NFBUP)	813.66	146.04
23 09 23 12-0523	EA	175 IN-Lb., 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo AMB24-SR)	850.51	146.04
23 09 23 12-0524	EA	90 IN-Lb., 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Spring Return Direct Coupled Control Damper Actuator (Belimo NFB24-SR)	872.37	146.04
23 09 23 12-0525	EA	360 IN-Lb., 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo GMB24-SR)	958.34	146.04
23 09 23 13 Energy Meters (23 09 23)				
23 09 23 13-0001 Surge Protectors (23 09 23 13)				
23 09 23 13-0002	EA	Surge Protector, T100's, Summit, BCU, UPCM, PCM, TCM (Transtector TR2255)	363.74	9.41
23 09 23 13-0003	EA	Surge Protector, 1AC Outlet (Transtector TR2251)	273.97	9.41
23 09 23 13-0004	EA	Surge Protector, 2 AC Outlets (Transtector TR2254)	428.44	9.41
23 09 23 13-0005	EA	Surge Protector, DB-15 Connection (Transtector TR2259-DLP15)	230.14	9.41
23 09 23 13-0006	EA	Surge Protector, DB-25 Connection (Transtector TR2259-DLP25)	230.14	9.41
23 09 23 13-0007	EA	Surge Protector, DB-9 Connection (Transtector TR2259-DLP9)	230.14	9.41
23 09 23 13-0008	EA	Surge Protector, Individual Wire Connection (Transtector TR2258)	334.53	9.41
23 09 23 13-0009	EA	Surge Protector, Trane Communication Links (Transtector TR2257)	205.08	9.41

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
23 09 23 14 Flow Instruments (23 09 23)**23 09 23 14-0001 Water Flow Meters (23 09 23 14)**

23 09 23 14-0002	EA	Insertion Electromagnetic Water Flow Meter (Onicon F-3500)	5,471.83	109.84
Note: Excludes pipe fittings.				

23 09 23 14-0003 Air Flow Monitoring Stations (23 09 23 14)

23 09 23 14-0004	EA	Analog Transmitter, 2 Point, 3 Sensor Air Flow Monitoring Station (Ebtron GTA116)	4,411.90	169.69
Note: 10' cable, 36" x 24" typical duct size.				
23 09 23 14-0005	EA	Analog Transmitter, 3 Point, 4 Sensor Air Flow Monitoring Station (Ebtron GTA116)	6,286.50	169.69
Note: 10' cable, 48" x 36" typical duct size.				
23 09 23 14-0006	EA	Analog Transmitter, 4 Point, 4 Sensor Air Flow Monitoring Station (Ebtron GTA116)	7,796.89	169.69
Note: 10' cable, 60" x 48" typical duct size.				

23 09 23 16 Gas Instruments (23 09 23)**23 09 23 16-0001 Gas Sensors (23 09 23 16)**

23 09 23 16-0002	EA	6-1/4" x 6-1/8" CO2 Sensor, 0-2,000 ppm (Kele WCO-1B).....	2,258.37	56.43
23 09 23 16-0003	EA	Wall Mounted CO2 Sensor, 0-2,000 ppm With LCD Display (Kele CD-AW-LCD)	994.04	37.62
23 09 23 16-0004	EA	CO Monitor/Transmitter, 0 To 250 ppm (Kele GMT-CO-S2).....	1,791.60	56.43
Note: Solid state sensor.				
23 09 23 16-0005	EA	CO2 Transmitter, Duct Mount, No Display, 0-10 Volt DC Out, 24 Volt AC/Volt DC, 0-10 Or 4-20mA, 0-2,000 ppm Range With CD-AD Duct Probe Assembly (CDE CD-AD-LCD; CD-AD)	962.45	67.72

23 09 23 19 Moisture Instruments (23 09 23)**23 09 23 19-0001 Relative Humidity Sensors (23 09 23 19)**

23 09 23 19-0002	EA	3% Duct Mounted RH Sensor (Kele HD30K).....	592.37	67.72
23 09 23 19-0003	EA	10K Ohm Thermistor 3% Duct Mounted RH Sensor (Kele HD30K-T3)	609.05	67.72
23 09 23 19-0004	EA	3% RH Outdoor Air Sensor (Kele HO30K).....	684.77	94.05
23 09 23 19-0005	EA	2% Surface Mounted RH Transmitter (Kele HW20K)	542.60	37.62

23 09 23 21 Motion Instruments (23 09 23)**23 09 23 21-0001 Peco Motion Sensors (23 09 23 21)**

23 09 23 21-0002	EA	Ceiling Mount Passive Infrared, 24 Volt, Slave Motion Sensor (Peco SA200-001).....	196.22	26.45
23 09 23 21-0003	EA	Wall/Ceiling Mount Passive Infrared, 24 Volt, Slave Motion Sensor (Peco SB200-001).....	192.25	26.45
23 09 23 21-0004	EA	Wall/Ceiling Passive Infrared, 24 Volt, Master Motion Sensor (Peco SD200-001)	258.98	26.45
23 09 23 21-0005	EA	Wall/Ceiling Mount, Passive Infrared, 24 Volt, Master Time Sensor (Peco SD200-002)	229.53	26.45
23 09 23 21-0006	EA	Door Switch Occupancy Sensor (Peco SE200-001).....	67.70	26.45
23 09 23 21-0007	EA	Window Switch Occupancy Sensor (Peco SE200-002).....	62.21	26.45
23 09 23 21-0008	EA	Power Pack And Controller (Peco SF200-001).....	118.64	26.45

23 09 23 23 Pressure Instruments (23 09 23)**23 09 23 23-0001 Pressure Sensors (23 09 23 23)**

23 09 23 23-0002	EA	0 To 0.5" W.C., Differential Pressure Transmitters With NEMA 1 Case (Kele T30-005).....	793.03	79.43
23 09 23 23-0003	EA	0 To 5" W.C., Differential Pressure Transmitters With NEMA 1 Case (Kele T30-050).....	703.46	79.43
23 09 23 23-0004	EA	0.05 To 12" W.C., Adjustable Differential Pressure Switches (Kele AFS-222).....	270.02	79.43
23 09 23 23-0005	EA	0.05 To 2" W.C., Adjustable Differential Pressure Switches (Kele AFS-262)	280.42	79.43
23 09 23 23-0006	EA	0.4 To 2" W.C., Manual Reset Adjustable Differential Pressure Switches (Kele AFS-460)	300.79	79.43
23 09 23 23-0007	EA	0.05 To 12" W.C., 1/8" NPT, Adjustable Differential Pressure Switches (Kele AFS-145)	277.41	79.43
23 09 23 23-0008	EA	0 To 100 psid, Bypass Valve Assembly Option, Water Differential Pressure Transmitter (Kele 360C-P210D-BVA)	2,974.68	79.43
Note: Excludes pipe fittings.				
23 09 23 23-0009	EA	0 To 60 psid, Bypass Valve Assembly Option, Water Differential Pressure Transmitter (Kele 360C-P160D-BVA)	2,974.68	79.43
Note: Excludes pipe fittings.				
23 09 23 23-0010	EA	Magnahelic Gauge.....	751.74	48.55

23 09 23 23-0011 Room Pressure Monitoring (23 09 23 23)

23 09 23 23-0012	EA	Hospital Room Pressure Monitor With Digital Interface Monitor, Through Wall Sensor Transformer And Plenum Rated Cable (TSI 8640-PM)	3,647.50	88.39
23 09 23 23-0013	EA	Hospital Room Pressure Controller With Digital Interface Monitor, Through Wall Sensor Transformer And Plenum Rated Cable (TSI 8630-PC).....	5,828.02	88.39
Note: Excludes dampers and actuators.				
23 09 23 23-0014	EA	Hospital Room Pressure Status Remote Visual Display (TSI 8694-4).....	477.21	53.03
23 09 23 23-0015	EA	Hospital Room Pressure Status Remote Negative/Neutral Key Switch (TSI 8694-7)	546.80	53.03

23 09 23 27 Temperature Instruments (23 09 23)**23 09 23 27-0001 Air Temperature Sensors (23 09 23 27)**

23 09 23 27-0002	EA	10K Ohm Thermistor Duct Temperature Sensor (Kele ST-D24).....	208.23	67.72
23 09 23 27-0003	EA	10K Ohm Thermistor Duct Temperature Sensor, 1/2" LB Conduit Fitting (Kele ST-D24-XCO).....	297.81	67.72
23 09 23 27-0004	EA	10K Ohm Thermistor Duct Temperature Sensor With Greenfield Fitting (Kele ST-D24-XG).....	218.54	67.72
23 09 23 27-0005	EA	10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing (Kele ST-D24-XH)	229.10	67.72
23 09 23 27-0006	EA	10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing, 18" Probe (Kele ST-D24-XH-XL18).....	232.62	67.72
23 09 23 27-0007	EA	10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing, 6" Probe (Kele ST-D24-XH-XL6).....	229.15	67.72
23 09 23 27-0008	EA	10K Ohm Thermistor Duct Temperature Sensor With Non-Metallic Handibox Housing (Kele ST-D24-XHP)	231.01	67.72
23 09 23 27-0009	EA	10K Ohm Thermistor Duct Temperature Sensor With 4" Probe (Kele ST-D24-XL4).....	248.81	67.72
23 09 23 27-0010	EA	10K Ohm Thermistor Duct Temperature Sensor With Weatherproof Housing (Kele ST-D24-XW).....	264.36	67.72

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 27-0011 EA 10K Ohm Thermistor Outdoor Air Temperature Sensor (Kele ST-O24)	317.49	94.05
23 09 23 27-0012 EA 10K Ohm Thermistor Outdoor Air Temperature Sensor With 25' Lead (Kele ST-O24-XC25).....	329.46	94.05
23 09 23 27-0013 EA Delta Style Surface Mounted 10K Ohm Thermistor Room Temperature Sensor (Kele BA/10K3-R-N-DF).....	144.65	37.62
23 09 23 27-0014 EA Delta Style Surface Mounted AD592 Room Temperature Sensor (Kele BA/592-10K-R)	149.05	37.62
23 09 23 27-0015 EA Stainless Steel Plate 1K Ohm Room Temperature Sensor (Kele BA/1K8-SP).....	137.50	37.62
23 09 23 27-0016 Water Temperature Sensors (23 09 23 27)		
23 09 23 27-0017 EA 5" Immersion 20K Ohm Water Temp Sensor (Honeywell C7041D2001).....	169.06	72.78
23 09 23 27-0018 EA Strap-On 20K Ohm Water Temp Sensor (Honeywell C7041K2005)	378.82	72.78
23 09 23 27-0019 Peco Thermostats (23 09 23 27)		
23 09 23 27-0020 EA 3 Heating Stage, 2 Cooling Stage Programmable Thermostat With Humidification/Dehumidification Control (Peco T12532-IAQ).....	410.51	17.64
23 09 23 27-0021 EA 3 Heating Stage, 2 Cooling Stage Programmable Thermostat (Peco T12532-001)	364.87	17.64
23 09 23 53 Proprietary Control Systems (23 09 23)		
23 09 23 53-0001 Primary Control Devices (23 09 23 53)		
23 09 23 53-0002 Energy Management - Building Management System (23 09 23 53-0001)		
23 09 23 53-0003 EA Global Control Modules	1,421.18	146.44
23 09 23 53-0004 EA MicroZone II Digital Controller	988.97	91.53
23 09 23 53-0005 EA MicroFlo II Variable Air Volume Digital Controller	545.00	79.08
23 09 23 53-0006 EA VAV Box DDC Controllers	704.71	86.40
23 09 23 53-0007 EA Lighting Control Relay Cabinet	1,875.33	292.89
23 09 23 53-0008 EA Flow Transmitter Assembly - Water (Turbine Type)	1,487.10	219.66
23 09 23 53-0009 EA Pressure Transmitter Assembly - Air Streams.....	533.31	73.22
23 09 23 53-0010 EA Differential Pressure Transmitter Assembly - Water	452.72	73.22
23 09 23 53-0011 EA Watt Transducer	726.73	73.22
23 09 23 53-0012 EA Differential Pressure Switch - Liquid	339.89	73.22
23 09 23 53-0013 EA Differential Pressure Switch - Air	291.54	73.22
23 09 23 53-0014 EA Differential Pressure Switch - Filters - Indicating	323.77	73.22
23 09 23 53-0015 EA Damper End Switch	420.48	73.22
23 09 23 53-0016 EA Automatic Dampers	1,044.98	93.72
23 09 23 53-0017 HVAC Instrumentation (23 09 23 53)		
23 09 23 53-0018 EA Heat Meter with M-Bus and RS-486. Panel Mount.....	1,893.17	58.78
Note: Contrec Model #212.10.		
23 09 23 53-0019 EA Heat Meter with M-Bus and RS-486. Wall Mount	1,789.52	70.54
Note: Includes high and low alarms. Contrec Model #212.20.		
23 09 23 53-0020 EA Flow Computer. Pulse input with signal conditioner. Panel Mount.....	1,857.35	58.78
Note: Contrec Model #405D.10A.		
23 09 23 53-0021 EA Flow Computer. Pulse input with signal conditioner. Panel Mount.....	2,496.97	58.78
Note: Includes isolated 4-20mA analog output. Contrec Model #405D.11A.		
23 09 23 53-0022 EA Flow Computer. Pulse input with signal conditioner. Panel Mount.....	2,271.83	58.78
Note: Includes RS 232/422/485 Communications. Contrec Model #405D.12A.		
23 09 23 53-0023 EA Gas and Steam Flow Computer. 4-20mA temp. Panel Mount.....	2,926.80	58.78
Note: Contrec Model #415A.10A.		
23 09 23 53-0024 EA Gas and Steam Flow Computer. 4-20mA temp. Panel Mount.....	3,561.31	58.78
Note: Includes isolated 4-20mA analog output. Contrec Model #415A.11A.		
23 09 23 53-0025 EA Gas and Steam Flow Computer. 4-20mA temp. Panel Mount.....	3,341.28	58.78
Note: Includes RS 232/422/485 communications. Contrec Model #415A.12A.		
23 09 23 53-0026 EA Gas and Steam Flow Computer. RTD temp. Panel Mount	2,985.65	58.78
Note: Contrec Model #415R.10A.		
23 09 23 53-0027 EA Gas and Steam Flow Computer. RTD temp. Panel Mount	3,622.71	58.78
Note: Includes isolated 4-20mA analog output. Contrec Model #415R.11A.		
23 09 23 53-0028 EA Gas and Steam Flow Computer. RTD temp. Panel Mount	3,400.13	58.78
Note: Includes RS 232/422/485 communications. Contrec Model #415R.12A.		
23 09 23 53-0029 EA Base Model 500 Series Flow Computer. Panel Mount	2,479.07	58.78
Note: Includes advanced output options, RS 232 communications. Contrec Model #505.112AFN-XX01.		
23 09 23 53-0030 EA Flow Computer, Class 1. Panel Mount	3,387.33	58.78
Note: Includes advanced output option, logging and backlit display. Contrec Model #515.111AFN-XX01.		
23 09 23 53-0031 EA Flow Computer, Class 2. Panel Mount	4,285.37	58.78
Note: Includes advanced output option, logging and backlit display. Contrec Model #515.111AFN-XX02.		
23 09 23 53-0032 EA Flow Computer, Class 3. Panel Mount	4,965.93	58.78
Note: Includes advanced output option, logging and backlit display. Contrec Model #515.111AFN-XX03.		
23 09 23 53-0033 EMCS General Costs (23 09 23 53)		
23 09 23 53-0034 EMCS System Design Services (23 09 23 53-0033)		
Note: Hourly labor rates for use with Site Inspection, Project Management, Engineering, Design, Programming, Training and Technical Support.		
23 09 23 53-0035 HR EMCS Site Inspection Of Existing Facilities.....	217.50	
23 09 23 53-0036 HR EMCS Engineering Project Management	217.50	
23 09 23 53-0037 HR EMCS System Engineering, Schematic Design And Layout	229.26	
23 09 23 53-0038 HR EMCS System Software Programming And Graphics Programming	188.12	
23 09 23 53-0039 HR EMCS Graphics Picture Creation	196.93	
23 09 23 53-0040 HR EMCS System Controls Training	205.75	
23 09 23 53-0041 HR EMCS On Site System Diagnostics Field Technician	211.63	
23 09 23 53-0042 HR EMCS Remote Technical Support Using Phone Or Internet	182.23	
23 09 23 53-0043 HR EMCS Travel Time (All Personnel).....	176.36	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
23 09 23 53-0044	PNT	EMCS Functional Performance Tests (Field Based Tests / Trend Analysis) Note: Priced per controller. Task used after warranty period only.	36.56		
23 09 23 53-0045	PNT	EMCS Programming / Graphics Note: Priced per controller. Task used after warranty period only.	36.56		
23 09 23 53-0046	PNT	EMCS As-Built / Operation And Maintenance Manuals / Training Note: Priced per controller. Task used after warranty period only.	27.70		
23 09 23 53-0047 Field Tests, Checkout And Commissioning (23 09 23 53-0033)					
Note: A point is defined as any transmitter, switch, actuator, sensor or device (starter, VFD, controller, fan, electric coil, actuator, valve, etc.) that is monitored or controlled by the EMCS system. Most devices count as 1 point. Actuators, valves and thermostats count as 2 points.					
23 09 23 53-0048	PNT	EMCS Field Test Note: Priced per point.	154.37		
23 09 23 53-0049	PNT	EMCS Field Checkout And Startup Note: Priced per point.	154.37		
23 09 23 53-0050	PNT	EMCS Field Commissioning Note: Priced per point.	154.37		
23 09 23 53-0051	EA	EMCS Field Balance Support Note: Priced per controller.	132.26		
23 09 23 53-0052 EMCS System Engineering/Submittal Design And Layout (23 09 23 53-0033)					
Note: A point is defined as any transmitter, switch, actuator, sensor or device (starter, VFD, controller, fan, electric coil, actuator, valve, etc.) that is monitored or controlled by the EMCS system. Most devices count as 1 point. Actuators, valves and thermostats count as 2 points.					
23 09 23 53-0053	PNT	EMCS System Engineering/Submittal Design And Layout Note: Priced per point.	51.49		
23 09 23 53-0054 Alerton Controls (23 09 23 53)					
23 09 23 53-0055	EA	50 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-SMALL)	9,680.34		
23 09 23 53-0056	EA	150 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-MEDIUM)	12,475.84		
23 09 23 53-0057	EA	Dashboard Option, 150 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-MEDIUM)	31,784.17		
23 09 23 53-0058	EA	Unlimited Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-LARGE)	23,808.99		
23 09 23 53-0059	EA	Dashboard Option, Unlimited Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-LARGE)	61,586.14		
23 09 23 53-0060	EA	Unlimited Devices, SQL Derver Interface, Unlimited WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-ENTERPRISE)	48,539.59		
23 09 23 53-0061	EA	Dashboard Option, Unlimited Devices, SQL Derver Interface, Unlimited WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-ENTERPRISE)	74,178.51		
23 09 23 53-0062	EA	Alerton Building Suite Tech License (Alerton ABS-3-TECH)	2,045.56		
23 09 23 53-0063	EA	Enterprise Edition With SQL Server Support, Envision for BACTalk v2.6 (Alerton ENV-BT-2.6-ENT1)	28,056.82		
23 09 23 53-0064	EA	Unlimited Controllers, Unlimited Workstation, Envision for BACTalk v2.6 (Alerton ENV-BT-2.6-LRG)	20,488.79		
23 09 23 53-0065	EA	150 Controllers, 3 Workstation, Envision for BACTalk v2.6 (Alerton ENV-BT-2.6-MED)	12,417.09		
23 09 23 53-0066	EA	50 Controllers, 1 Workstation, Envision for BACTalk v2.6 (Alerton ENV-BT-2.6-SM)	7,619.37		
23 09 23 53-0067	EA	10 Controllers, 1 Workstation, Envision for BACTalk v2.6 (Alerton ENV-BT-2.6-XS)	2,926.12		
23 09 23 53-0068	EA	1 Ethernet, 1 MS/TP, BACTalk Control Module (Alerton 715000100)	5,272.51	282.17	
23 09 23 53-0069	EA	Foreign Protocol Converter For P1 Systems, BACTalk Control Module (Alerton BCM-FPCS)	7,792.83	376.22	
23 09 23 53-0070	EA	Modbus Gateway, BACTalk Control Module (Alerton BCM-MDBS)	7,690.41	376.22	
23 09 23 53-0071	EA	V.90/56K Modem, BACTalk Control Module (Alerton BCM-MDM)	2,796.00	282.17	
23 09 23 53-0072	EA	1 MS/TP, BACTalk Control Module (Alerton 715000300)	3,396.24	282.17	
23 09 23 53-0073	EA	Power Supply, BACTalk Control Module (Alerton BCM-PWS)	2,611.30	282.17	
23 09 23 53-0074	EA	1 TUX Trunk, BACTalk Control Module (Alerton BCM-TUX)	3,258.57	282.17	
23 09 23 53-0075	EA	Web Server And Configurator CD, BACTalk Control Module (Alerton BCM-WEB)	7,765.80	282.17	
23 09 23 53-0076	EA	BACTalk Field Level Gateway For Modbus (Alerton FLG-MODBUS)	3,522.33	376.22	
23 09 23 53-0077	EA	EXP BACnet Controller (Alerton VLX)	7,754.03	752.45	
23 09 23 53-0078	EA	VLX BACnet High Performance Controller (Alerton VLX-PLATINUM)	9,067.85	752.45	
23 09 23 53-0079	EA	Multiple Segment MS/TP Repeater (Alerton MSTP-REP)	1,198.79	83.78	
23 09 23 53-0080	EA	4 Inputs, 2 Flow Transducers, 4 Ground-Switching Binary Triac Outputs, Dual-Duct VAV Controller (Alerton VAV-DD)	2,271.32	282.17	
23 09 23 53-0081	EA	4 Inputs, 2 Flow Transducers, 3 Binary Triac Outputs, 4 Ground-Switching Binary Triac Outputs, Dual-Duct VAV Controller (Alerton VAV-DD7)	2,409.84	282.17	
23 09 23 53-0082	EA	4 Inputs, 1 Flow Transducers, 3 Hot-Switching Binary Triac Outputs, 2 Ground-Switching Binary Triac Outputs, Single-Duct VAV Controller (Alerton VAV-SD)	1,931.33	282.17	
23 09 23 53-0083	EA	4 Universal Inputs, 5 Binary Outputs, 2 Analog Outputs, Single-Duct VAV Controller (Alerton VAV-SD2A)	2,124.42	282.17	
23 09 23 53-0084	EA	5 Universal Inputs, 6 Binary Outputs, Integral Honeywell Actuator, Single-Duct VAV Controller (Alerton VAViH-SD)	2,116.02	282.17	
23 09 23 53-0085	EA	11 Inputs, 8 Binary Triac Outputs, 8 Analog Outputs, BACTalk Field Controller For Central Plant Systems (Alerton VLC-1188)	3,224.15	282.17	
23 09 23 53-0086	EA	16 Inputs, BACTalk Field Controller (Alerton VLC-1600)	2,461.05	282.17	
23 09 23 53-0087	EA	16 Inputs, 16 Binary Triac Outputs, BACTalk Field Controller (Alerton VLC-16160)	3,702.84	376.22	
23 09 23 53-0088	EA	4 Universal Inputs, 4 Binary Outputs, 4 Analog Outputs, Field Controller (Alerton VLC-444)	1,634.83	188.12	
23 09 23 53-0089	EA	5 Inputs, 5 Binary Outputs, BACTalk Field Controller (Alerton VLC-550)	1,579.41	188.12	
23 09 23 53-0090	EA	6 Inputs, 2 Binary Triac Outputs, 3 Isolated Relay Outputs, BACTalk Field Controller (Alerton VLC-651R)	2,137.00	282.17	
23 09 23 53-0091	EA	6 Inputs, 3 Binary Triac Outputs, 3 Isolated Relay Outputs, BACTalk Field Controller (Alerton VLC-660R)	2,137.00	282.17	
23 09 23 53-0092	EA	8 Inputs, 5 Binary Triac Outputs, 3 Analog Outputs, BACTalk Field Controller (Alerton VLC-853)	2,584.45	282.17	
23 09 23 53-0093	EA	16 Universal Inputs, 8 Binary Outputs, 8 Analog Outputs, Field Controller (Alerton VLCA-1688)	5,172.79	376.22	
23 09 23 53-0094	EA	2 Fixed Inputs, 3 Universal Inputs, 6 Binary Outputs, 2 Analog Outputs, VisualLogic Display Controller (Alerton VLD-362)	2,216.75	282.17	
23 09 23 53-0095	EA	Wireless Door Contact Sensor (Alerton AL-OC-DS)	152.47	10.58	
23 09 23 53-0096	EA	One-Speed BACTalk Microset Wall Sensor (Alerton MS-1010-BT)	250.19	10.58	
23 09 23 53-0097	EA	One-Speed BACTalk Microset Wall Sensor With RH Sensor (Alerton MS-1010H-BT)	646.42	10.58	
23 09 23 53-0098	EA	Three-Speed BACTalk Microset Wall Sensor (Alerton MS-1030-BT)	646.42	10.58	
23 09 23 53-0099	EA	Three-Speed BACTalk Microset Wall Sensor With RH Sensor (Alerton MS-1030H-BT)	502.05	10.58	
23 09 23 53-0100	EA	BACnet-Compliant Wall Sensor (Alerton TS-1050-BT)	166.25	10.58	
23 09 23 53-0101	EA	Wireless Temperature And Humidity Sensor (Alerton WTS-1000-KIT)	682.53	10.58	

MINOR			TOTAL DIRECT		DEMOLITION
CSI UOM DESCRIPTION			UNIT COST		UNIT COST
23 09 23 53-0102	EA	Wireless Temperature And Humidity Sensor With Temperature Adjustment Knob And Manual Override (Alerton WTS-1050-KIT)	766.49		10.58
23 09 23 53-0103	EA	10 12-Bit Inputs, 12 Binary Triac Outputs Expansion Module (Alerton EXP-10-12-0)	3,215.76		282.17
23 09 23 53-0104	EA	10 12-Bit Inputs, 4 Binary Triac Outputs Expansion Module (Alerton EXP-10-4-8)	3,422.26		282.17
23 09 23 53-0105	EA	22 12-Bit Inputs Expansion Module (Alerton EXP-22-0-0)	3,244.30		282.17
23 09 23 53-0106	EA	50 Devices, Ascent Compass 1 Software, Small License (Alerton Compass-1-SM)	10,729.40		
23 09 23 53-0107	EA	Global Controller Base Unit (Alerton ACM)	5,858.92		282.17
23 09 23 53-0108	EA	External Battery Pack For ACM (Alerton ACM-BATT)	1,272.02		156.95
23 09 23 53-0109	EA	Licenses The ACM For Capacity Of 32 Directly Connected Devices (Alerton ACM032)	1,071.31		
23 09 23 53-0110	EA	Microset 4 Wall Sensor (Alerton MS4-THC)	1,222.01		10.58
23 09 23 53-0111 Automated Logic Controls (23 09 23 53)					
23 09 23 53-0112	EA	0 Digital Outputs, 8 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M0100)	3,632.70		282.17
23 09 23 53-0113	EA	0 Digital Outputs, 32 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M0320)	8,078.06		846.51
23 09 23 53-0114	EA	2 Digital Outputs, 2 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M220nx)	2,487.59		282.17
23 09 23 53-0115	EA	4 Digital Outputs, 10 Universal Inputs, 6 Analog Outputs Standalone Control Module (Automated Logic M4106nx)	5,299.37		376.22
23 09 23 53-0116	EA	8 Digital Outputs, 10 Universal Inputs, 2 Analog Outputs Standalone Control Module (Automated Logic M8102nx)	5,213.91		376.22
23 09 23 53-0117	EA	16 Digital Outputs, 16 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M16160)	8,376.87		752.45
23 09 23 53-0118	EA	8 Digital Outputs, 8 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M880nx)	4,658.45		376.22
23 09 23 53-0119	EA	0 Digital Outputs, 32 Universal Inputs, 0 Analog Outputs Expander Control Module (Automated Logic MX0320)	4,692.35		282.17
23 09 23 53-0120	EA	16 Digital Outputs, 16 Universal Inputs, 0 Analog Outputs Expander Control Module (Automated Logic MX16160)	7,864.14		752.45
23 09 23 53-0121	EA	No Display, Interior Wall Mounted, Standalone Controller For Heat Pumps, Fan Coil Units And Other Packaged HVAC Equipment (Automated Logic RC642)	1,914.51		188.12
23 09 23 53-0122	EA	With Display, Interior Wall Mounted, Standalone Controller For Heat Pumps, Fan Coil Units And Other Packaged HVAC Equipment (Automated Logic RC642D)	2,051.78		188.12
23 09 23 53-0123	EA	3 Digital Outputs, 4 Universal Inputs, 1 Analog Outputs Controller For Pressure Independent VAV Applications (Automated Logic ZN341+)	2,745.82		188.12
23 09 23 53-0124	EA	1 Digital Outputs, 4 Universal Inputs, 1 Analog Outputs Controller For Pressure Independent VAV Applications (Automated Logic ZN141+)	2,649.68		188.12
23 09 23 53-0125	EA	Air Flow Sensor And Damper Actuator Accessory For ZN341V+ Or ZN141V+ (Automated Logic ZASF)	2,265.40		282.17
23 09 23 53-0126	EA	Unlimited Points, Front End Software For Building Control (Automated Logic WC)	14,016.42		
23 09 23 53-0127	EA	500 Point, Front End Software For Building Control (Automated Logic WC500)	8,803.60		
23 09 23 53-0128	EA	Enterprise Integration Option, Front End Software For Building Control (Automated Logic WC-ENTERPRISE)	11,622.56		
23 09 23 53-0129 Cypress Envirosystems Controls (23 09 23 53)					
23 09 23 53-0130 Wireless Pneumatic Thermostat (23 09 23 53-0129)					
Note: Wireless pneumatic thermostats, hub and repeaters must be installed by installers certified by the manufacturer.					
23 09 23 53-0131	EA	Two-Pipe Direct Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T2DP)	564.94		11.76
Note: One for every thermostat to be retrofitted.					
For >50 To 200, Deduct			-29.23		
For >200, Deduct			-58.41		
23 09 23 53-0132	EA	Two-Pipe Reverse Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T2RP)	564.94		11.76
Note: One for every thermostat to be retrofitted.					
For >50 To 200, Deduct			-29.23		
For >200, Deduct			-58.41		
23 09 23 53-0133	EA	Single-Pipe Direct Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T1DP)	564.94		11.76
Note: One for every thermostat to be retrofitted.					
For >50 To 200, Deduct			-29.23		
For >200, Deduct			-58.41		
23 09 23 53-0134	EA	Single-Pipe Indirect Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T1RP)	564.94		11.76
Note: One for every thermostat to be retrofitted.					
For >50 To 200, Deduct			-29.23		
For >200, Deduct			-58.41		
23 09 23 53-0135	EA	Two-Pipe Direct Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T2DP-DB)	643.24		11.76
Note: One for every thermostat to be retrofitted.					
For >50 To 200, Deduct			-33.59		
For >200, Deduct			-67.11		
23 09 23 53-0136	EA	Two-Pipe Reverse Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T2RP-DB)	643.24		11.76
Note: One for every thermostat to be retrofitted.					
For >50 To 200, Deduct			-33.59		
For >200, Deduct			-67.11		
23 09 23 53-0137	EA	Single-Pipe Direct Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T1DP-DB)	643.24		11.76
Note: One for every thermostat to be retrofitted.					
For >50 To 200, Deduct			-33.59		
For >200, Deduct			-67.11		
23 09 23 53-0138	EA	Single-Pipe Indirect Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T1RP-DB)	643.24		11.76
Note: One for every thermostat to be retrofitted.					
For >50 To 200, Deduct			-33.59		
For >200, Deduct			-67.11		
23 09 23 53-0139	EA	Wireless Pneumatic Thermostat Blank Cover (Cypress Envirosystems WPT-800-MCOV)	45.33		11.76
Note: Optional cover.					
For >50 To 200, Deduct			-1.87		
For >200, Deduct			-3.73		
23 09 23 53-0140	EA	Green Box Controller (Cypress Envirosystems GBC-830-COM)	5,075.66		11.76
Note: One unit for up to 100 thermostats.					
For 2, Deduct			-256.06		
For >2, Deduct			-511.66		
23 09 23 53-0141	EA	WPT USB Hub (Cypress Envirosystems WPT-800-HUSB)	492.26		11.76
Note: One unit for up to 100 thermostats.					
For 2, Deduct			-26.72		
For >2, Deduct			-53.38		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
23 09 23 53-0142	EA WPT Repeater (Cypress Envirosystems WPT-800-RWAL)..... Note: One unit for up to 15 thermostats. For >5 To 10, Deduct For >10, Deduct	852.48 -44.13 -88.18		11.76	
23 09 23 53-0143	EA 24 Volt, WPT Repeater (Cypress Envirosystems WPT-800-RWAL24V) Note: One unit for up to 15 thermostats. For >5 To 10, Deduct For >10, Deduct	1,040.54 -51.32 -102.54		11.76	
23 09 23 53-0144	Delta Controls (23 09 23 53)				
23 09 23 53-0145	Software (23 09 23 53-0144) Note: Excludes programming, set-up and commissioning of application.				
23 09 23 53-0146	EA Orca Software Unlimited Points License (Delta Controls DOW333-USB).....	2,543.05			
23 09 23 53-0147	EA Orca Graphics Module, Delta Controls Orca View With Graphics Creation Capabilities (Delta Controls DOW333-I-USB).....	4,352.94			
23 09 23 53-0148	EA Orca Historical Module, Delta Controls Historian Package With Unlimited Archiving Trend Logs (Delta Controls DHS330-HL-USB).....	9,431.37			
23 09 23 53-0149	EA Web Server Unlimited Points License, Delta Controls Web Server Front End (Delta Controls DWS330-L-USB).....	14,876.38			
23 09 23 53-0150	EA Web Server Limited Points (Maximum I/O 2500) License, Delta Controls Web Server Front End (Delta Controls DWS330-M-USB)	7,621.48			
23 09 23 53-0151	EA Web Server Limited Points (Maximum I/O 250) License, Delta Controls Web Server Front End (Delta Controls DWS330-S-USB).....	2,543.05			
23 09 23 53-0152	EA 100 User Energy Portal, Data Collection Controller, Web PC Server Program License (Delta Controls EP-2.01)	6,170.50			
23 09 23 53-0153	EA 1,000 User Energy Portal, Data Collection Controller, Web PC Server Program License (Delta Controls EP-2.02)	7,621.48			
23 09 23 53-0154	EA KW Meter With H8163-2400-4-3 Series, With 3, 2,400 Amperes CT's And BACnet MS/TP Interface (Delta Controls H8186-CB)	2,661.26		117.57	
23 09 23 53-0155	EA Delta Controls Touch Screen (Delta Controls DHMI-7-I)	2,948.99			
23 09 23 53-0156	EMCS Central Equipment And Controllers (23 09 23 53-0144)				
23 09 23 53-0157	EA Fully Programmable, Native BACnet Building Controller (Delta Controls DSC-1616E + DFM1616) Note: Includes 32 Universal Inputs/32 Analog Or Binary Outputs HOA's, Twisted-Pair Ethernet Port, BACnet IP, BACnet Over Ethernet, Main LAN RS-485 BACnet MS/TP (Maximum Of 99 Devices), SubLAN (Net2) BACnet MS/TP (Maximum 99 Devices) Or Delta LINKnet At 76,800 BPS, Serial RS-232 BACnet PTP, Real-Time Clock With Lithium Battery And SRAM Backup	8,960.39		470.28	
23 09 23 53-0158	EA Fully Programmable, Native BACnet Building Controller, 16 Universal Inputs/16 Analog Or Binary Outputs HOA's, Twisted-Pair Ethernet Port, BACnet IP, BACnet Over Ethernet, Main LAN RS-485 BACnet MS/TP (Maximum Of 99 Devices), Sublan (Net2) BACnet MS/TP (Maximum 99 Devices) Or Delta LINKnet At 76,800 BPS (Maximum 12 Devices On LINKnet, With 2 DFM Devices) Serial RS-232 BACnet PTP, Real-Time Clock With Lithium Battery And SRAM Backup (Delta Controls DSC-1616E).....	6,638.82		470.28	
23 09 23 53-0159	EA Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 4 Analog Output Or 6 Binary (Triac) Outputs (Delta Controls DAC-1146)	4,705.39		470.28	
23 09 23 53-0160	EA Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 8 Analog Or Binary Outputs (Delta Controls DAC-1180)	4,705.39		470.28	
23 09 23 53-0161	EA Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 4 Analog Output Or 6 Binary (Triac) Outputs (Delta Controls DAC-1146)	4,705.39		470.28	
23 09 23 53-0162	EA Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 6 Universal Inputs, 3 Binary (Triac) Outputs And 3 Analog Outputs (Delta Controls DAC-633 R3).....	4,351.82		470.28	
23 09 23 53-0163	EA VAV Controllers Are Native BACnet Application Controllers That Are Fully Programmable, Communicate On A RS-485 LAN Using The MS/TP BACnet Protocol, 3 Universal Inputs, 4 Binary Outputs, Actuator Position Feedback, Supports 4 BACstat Network Sensors On LINKnet For Room Sensing And Control Or 2 Delta Field Modules On LINKnet For I/O Expansion (Delta Controls DVC-304AF)	1,582.62		235.14	
23 09 23 53-0164	EA Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 4 Binary Triac Outputs (24 Volt AC), 3 Binary Relay Outputs For Fan Speed Control, 240 Volt AC, 1 HP (60 LRA/10 FLA) LED Status Indication Of Each Output (Delta Controls DFC-304R3-240)	1,426.64		235.14	
23 09 23 53-0165	EA Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 6 Universal Inputs, 3 Binary (Triac) Outputs And 3 Analog Outputs (Delta Controls DAC-633 R3).....	1,530.13		235.14	
23 09 23 53-0166	EA Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 4 Binary Triac Outputs (24 Volt AC), 3 Binary Relay Outputs For Fan Speed Control, 240 Volt AC, 1 HP (60 LRA/10 FLA) LED Status Indication Of Each Output (Delta Controls DFC-304R3-240)	1,426.64		235.14	
23 09 23 53-0167	EA Remotely Expandable I/O To Delta's BACnet Controllers, 16 Universal Inputs, 16 Analog Outputs (Delta Controls DFM-1616)	3,497.27		293.92	
23 09 23 53-0168	EA Remotely Expandable I/O To Delta's BACnet Controllers, 4 Universal Inputs, 4 Analog Outputs (Delta Controls DFM-440)	850.62		117.57	
23 09 23 53-0169	EA Remotely Expandable I/O To Delta's BACnet™ Controllers, 4 Universal Inputs, 4 Binary Triac Outputs (Delta Controls DFM-404)	916.38		117.57	
23 09 23 53-0170	EA Remotely Expandable I/O To Delta's BACnet™ Controllers, 16 Universal Inputs (Delta Controls DFM-1600).....	1,086.95		117.57	
23 09 23 53-0171	Network, VAV And Special Sensors (23 09 23 53-0144)				
23 09 23 53-0172	EA BACnet MS/TP VAV Network Room Temperature Sensor With LCD Display (Delta Controls DNS-24)	289.83		37.62	
23 09 23 53-0173	EA BACnet MS/TP VAV Network Temperature And Humidity Sensor With LCD Display (Delta Controls DNS-H24)	396.01		42.33	
23 09 23 53-0174	EA Programmable BACnet MS/TP Thermostat With 8 Button Keypad And LCD Display For DX Unit, Fan Coils And RTU (Delta Controls DAC-T305-G2B)	793.42		17.64	
23 09 23 53-0175	Honeywell Controls (23 09 23 53)				
23 09 23 53-0176	EMCS Central Equipment And Controllers (23 09 23 53-0175)				

MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST		DEMOLITION UNIT COST
23 09 23 53-0177	Computer Equipment And Printers (23 09 23 53-0176) See CSI section 11 28 13 00-0000 for PCs, monitors and printers.			
23 09 23 53-0178	EMCS Network Area Controllers (BACnet Or Lon) (23 09 23 53-0176) Note: Includes loading software, software license, loading data base and mounting on wall.			
23 09 23 53-0179	EA Network Area Java Controller Supporting 126 Devices (Honeywell WC2003B2004)..... Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 minimum RS-232 serial ports, 1 minimum RS-485 electrically isolated ports, 1 LonWorks port (supports 126 devices), and web user interface software.	12,607.87		573.15
23 09 23 53-0180	EA Network Area Java Controller Supporting 27 Devices (Honeywell WC2003B1022)..... Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-232 port, 1 RS-485 port, 1 LonWorks port with driver, Lon tunnel service, BACnet driver, wind river VxWorks OS with Jeode java virtual machine, Niagara control engine and web user interface software (supports 27 device).	8,460.61		573.15
23 09 23 53-0181	EA Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201)..... Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, 1 RS-232 serial port, 1 RS-485 serial port, NDIO port, 2 communication card option slots, BACnet IP Client, and BACnet MS/TP. Supports up to 10 devices.	6,358.18		573.15
23 09 23 53-0182	EA Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-EZ)..... Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, 1 RS-232 serial port, 1 RS-485 serial port, NDIO port, 2 communication card option slots, BACnet IP Client, and BACnet MS/TP. Includes WEB user interface and Enterprise connectivity pack.	8,031.22		573.15
23 09 23 53-0183	EA Niagara Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-LN)..... Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, factory installed LON card, NDIO port and MODBus TCP driver. Excludes RS232 and RS485 communications. Includes Niagara network ethernet communication between stations.	6,300.57		573.15
23 09 23 53-0184	EA Web UI Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-LU)..... Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, factory installed LON card, NDIO port and MODBus TCP driver. Excludes RS232 and RS485.	6,300.57		573.15
23 09 23 53-0185	EA 16 Point BACnet IP Network Area Java Controller (Honeywell WEB-216-B)..... Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	6,879.20		573.15
23 09 23 53-0186	EA 16 Point Web UI And BACnet IP Network Area Java Controller (Honeywell WEB-216-BU)..... Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	7,486.63		573.15
23 09 23 53-0187	EA 16 Point Niagara Network Area Java Controller (Honeywell WEB-216-N)..... Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	6,879.20		573.15
23 09 23 53-0188	EA 16 Point Web UI And Niagara Network Area Java Controller (Honeywell WEB-216-NU)..... Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	7,486.63		573.15
23 09 23 53-0189	EA 34 Point BACnet IP Network Area Java Controller (Honeywell WEB-234-B)..... Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	7,491.86		573.15
23 09 23 53-0190	EA 34 Point Web UI And BACnet IP Network Area Java Controller (Honeywell WEB-234-BU)..... Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this.	8,099.29		573.15
23 09 23 53-0191	EA 34 Point Niagara Network Area Java Controller (Honeywell WEB-216-N)..... Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	7,491.86		573.15
23 09 23 53-0192	EA 34 Point Web UI And Niagara Network Area Java Controller (Honeywell WEB-216-NU)..... Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this.	8,099.29		573.15
23 09 23 53-0193	EA Network Area Java Controller Supporting 27 Devices (Controller Only) (Honeywell WEB-403-AX)..... Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service.	8,002.42		573.15
23 09 23 53-0194	EA Unrestricted Network Area Java Controller Supporting 27 Devices (Controller Only)..... Note: Unrestricted limit on connected devices. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service. Honeywell WEB-403-EXP-AX. As with other WEBs controllers, capacity is limited by the characteristics of the application including size and complexity.	10,031.54		573.15
23 09 23 53-0195	EA Easy Pack Network Area Java Controller Supporting 27 Devices (Honeywell WEB-403-EZ)..... Note: Includes controller plus User Interface Station Pack and Enterprise Connectivity Station Pack bundled as an "easy-order" bundle. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service.	10,657.29		573.15
23 09 23 53-0196	EA Expanded Easy Pack Network Area Java Controller Supporting 27 Devices (Honeywell WEB-403-EXP-EZ)..... Note: Unrestricted limit on connected devices. Includes controller plus User Interface Station Pack and Enterprise Connectivity Station Pack bundled as an "easy-order" bundle. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service. As with other WEBs controllers, capacity is limited by the characteristics of the application including size and complexity.	12,686.41		573.15
23 09 23 53-0197	EA Network Area Java Controller Supporting 124 Devices (Controller Only) (Honeywell WEB-545-AX)..... Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 4 RS-485 port, 2 RS-232 port, 1 LonWorks port. As with other WEBs controllers, capacity is limited by the characteristics of the application. Unit is supplied with a steel, wall mountable enclosure, and 120 volt power supply. Excludes UI service and Enterprise connectivity service.	10,686.09		573.15
23 09 23 53-0198	EA Easy Pack Network Area Java Controller Supporting 124 Devices (Honeywell WEB-545-EZ)..... Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 4 RS-485 port, 2 RS-232 port, 1 LonWorks port. As with other JACES, capacity is limited by the characteristics of the application. Unit is supplied with a steel, wall mountable enclosure, and 120 volt power supply. Includes WEB-545-AX plus User Interface Station Pack (UI-SP-5XX) and Enterprise Connectivity Station Pack (EC-SP-5XX) bundled as an "easy-order" bundle.	14,553.20		573.15

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 09 23 53-0199		EMCS Network Interfaces (23 09 23 53-0176) Note: Includes installation, start-up and tech labor.		
23 09 23 53-0200	EA	Serial LonTalk Adapter For LonWorks Bus And A PC (Honeywell Q7760A2001)	1,851.03	158.72
		Note: For desktop computer.		
23 09 23 53-0201	EA	Serial LonTalk Card For LonWorks Bus And A PC (Honeywell Q7752B2009)	1,569.57	105.81
		Note: For laptop computer.		
23 09 23 53-0202	EA	FTT-10 To FTT-10 Router (Honeywell Q7751A2010)	1,996.38	198.46
23 09 23 53-0203	EA	4FTT-10 To TP/FTT-1250 Multi Port Router (Honeywell Q7751J2002)	3,084.25	286.64
23 09 23 53-0204	EA	Two Way Lon Repeater (Honeywell Q7740A1008)	1,568.30	286.64
23 09 23 53-0205	EA	FTT Termination Module For Network Bus (Honeywell 209541B)	109.39	35.27

23 09 23 53-0206		DDC Application Specific Controller Assemblies (23 09 23 53-0176) Note: Includes submittal generation, installation, field test, checkout and start-up. Includes control enclosure, transformer, terminal strip and ancillary devices. (For example, fan coil unit include valves, actuators with controller and thermostat; VAVs include controller, thermostat and hot water valve if VAV has reheat coil). Excludes graphics and database generation. Excludes discharge air sensor.		
23 09 23 53-0207	EA	Up To 10 Factory Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies	2,877.28	648.14
23 09 23 53-0208	EA	>10 Factory Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies	2,436.39	383.61
23 09 23 53-0209	EA	Up To 10 Field Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies	3,062.46	759.25
23 09 23 53-0210	EA	>10 Field Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies	2,621.57	494.71
23 09 23 53-0211	EA	Up To 10 Factory Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies	3,393.55	793.67
23 09 23 53-0212	EA	>10 Factory Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies	3,062.83	594.67
23 09 23 53-0213	EA	Up To 10 Field Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies	3,591.93	912.71
23 09 23 53-0214	EA	>10 Field Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies	3,234.71	698.49
23 09 23 53-0215	EA	Up To 10 Factory Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies	2,532.15	648.05
23 09 23 53-0216	EA	>10 Factory Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies	2,091.26	383.61
23 09 23 53-0217	EA	Up To 10 Field Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies	2,774.70	793.67
23 09 23 53-0218	EA	>10 Field Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies	2,333.70	529.07
23 09 23 53-0219	EA	Up To 10 Factory Installed Application Specific Fan Coil Unit Controller Assemblies	3,420.95	658.72
23 09 23 53-0220	EA	>10 Factory Installed Application Specific Fan Coil Unit Controller Assemblies	2,971.25	538.47
23 09 23 53-0221	EA	Up To 10 Field Installed Application Specific Fan Coil Unit Controller Assemblies	3,663.49	912.70
23 09 23 53-0222	EA	>10 Field Installed Application Specific Fan Coil Unit Controller Assemblies	3,213.67	606.66
23 09 23 53-0223	EA	Up To 10 Factory Installed Application Specific Unit Ventilator Controller Assemblies	4,355.25	912.70
23 09 23 53-0224	EA	>10 Factory Installed Application Specific Unit Ventilator Controller Assemblies	3,954.10	583.15
23 09 23 53-0225	EA	Up To 10 Field Installed Application Specific Unit Ventilator Controller Assemblies	4,840.35	912.70
23 09 23 53-0226	EA	>10 Field Installed Application Specific Unit Ventilator Controller Assemblies	4,439.08	683.09

23 09 23 53-0227		DDC Programmable Controller Assemblies (23 09 23 53-0176) Note: Includes installation, field test, checkout and start-up. Includes control enclosure, transformer and terminal strip only. Excludes ancillary devices. Excludes submittal generation/system engineering and database generation. See CSI section 23 09 23 53-0234 for additional components.		
23 09 23 53-0228	EA	3 AO, 6 UI, 8 DO And 4 DI Small Programmable Controller Assemblies	2,901.88	701.07
23 09 23 53-0229	EA	Oversized Enclosure 3 AO, 6 UI, 8 DO And 4 DI Small Programmable Controller Assemblies	3,398.32	701.07
23 09 23 53-0230	EA	6 AO, 8 AI, 8 DO And 8 DI Medium Programmable Controller Assemblies	4,595.93	824.52
23 09 23 53-0231	EA	Oversized Enclosure 6 AO, 8 AI, 8 DO And 8 DI Medium Programmable Controller Assemblies	5,092.37	824.52
23 09 23 53-0232	EA	10 AO, 16 AI, 16 DO And 16 DI Large Programmable Controller Assemblies	8,487.02	965.61
23 09 23 53-0233	EA	Oversized Enclosure 10 AO, 16 AI, 16 DO And 16 DI Large Programmable Controller Assemblies	9,060.89	965.61

23 09 23 53-0234		EMCS Optional DDC Controller Hardware (23 09 23 53-0176) Note: Used to expand the capacity of DDC programmable controller assemblies.		
23 09 23 53-0235	EA	6 DO (Repay), 3 AI, 3 DI AHU Controller (Honeywell W7750A2005)	596.95	
		Note: For constant volume single zone and heat pump AHUs.		
23 09 23 53-0236	EA	6 AI, 5 DI, 8 DO (Triac) AHU Controller (Honeywell W7750B2011)	689.90	
		Note: For constant volume single zone and heat pump AHUs.		
23 09 23 53-0237	EA	3 AO, 6 AI, 5 DI, 5 DO (Triac) AHU Controller (Honeywell W7750C2001)	722.63	
		Note: For constant volume single zone and heat pump AHUs.		
23 09 23 53-0238	EA	VAV Controller Compatible Printed Wiring Board (Honeywell W7751B2010)	682.05	
23 09 23 53-0239	EA	VAV Controller With Internally Wired Subbase (Honeywell W7751D2016)	692.52	
23 09 23 53-0240	EA	VAV Controller With Externally Wired Subbase (Honeywell W7751F2011)	676.81	
23 09 23 53-0241	EA	VAV Controller With Premounted ML6161 Actuator (Honeywell W7751H2025)	582.55	
23 09 23 53-0242	EA	VAV Controller With Premounted ML6161 Actuator (Honeywell W7751J2004)	506.63	
23 09 23 53-0243	EA	Fan Coil Unit Controller With Electric Reheat Relay (Honeywell W7752F2002)	742.27	
23 09 23 53-0244	EA	Fan Coil Unit Controller Without Electric Reheat Relay (Honeywell W7752G2000)	663.72	
23 09 23 53-0245	EA	Unit Ventilator Controller With Heating, Cooling, Actuator And Fan Control (Honeywell W7753A2002)	733.10	
23 09 23 53-0246	EA	Building Manager, Monitor And Control HVAC Equipment (Honeywell W7760A2011)	1,556.53	
23 09 23 53-0247	EA	Plant Controller, Monitor And Control HVAC Equipment (Honeywell W7760C2017)	1,936.17	
23 09 23 53-0248	EA	Remote IO Device For Ancillary Point Monitoring And Control (Honeywell W7761A2002)	967.43	
23 09 23 53-0249	EA	Remote IO, UUKL-UL 864 Approved (Honeywell W7761A2010)	953.03	
23 09 23 53-0250	EA	Hydronic Controller Without Wall Module (Honeywell W7762B1027)	467.35	
23 09 23 53-0251	EA	Hydronic Controller With Built-in Wall Module (Honeywell W7763C1016)	531.50	
23 09 23 53-0252	EA	IO Module, 24 Volt AC Without Overrides (Honeywell XFC3A06001)	981.83	
23 09 23 53-0253	EA	IO Module, 24 Volt AC With Overrides (Honeywell XFC3D06001)	1,049.91	
23 09 23 53-0254	EA	AI Module (Honeywell XFL521B)	657.17	
23 09 23 53-0255	EA	AO Module (Honeywell XFL522B)	657.17	
23 09 23 53-0256	EA	DI Module (Honeywell XFL523B)	657.17	
23 09 23 53-0257	EA	DO Module (Honeywell XFL524B)	657.17	
23 09 23 53-0258	EA	Distributed IO, Lonwork Bus Connector Module With Endplate (Honeywell XSL511)	116.51	
23 09 23 53-0259	EA	Distributed IO, Terminal Block For AI, AO And DI Modules (Honeywell XSL513)	219.93	
23 09 23 53-0260	EA	Distributed IO, Terminal Block For DO Modules (Honeywell XSL514)	216.00	
23 09 23 53-0261	EA	Lon Analog IO Module, 24 Volt AC/DC, 10 Digital Inputs (Honeywell XIO-10DI)	661.10	
23 09 23 53-0262	EA	Lon Hub (Honeywell XIO-HUB)	98.18	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0263 EA Lon Analog IO, 24 Volt AC/DC, 4 Analog Outputs (Honeywell XIO-4AO).....	661.10	
23 09 23 53-0264 EA Lon Digital IO, 24 Volt AC/DC, 4 Digital Inputs (Honeywell XIO-4DI)	608.74	
23 09 23 53-0265 EA Lon Digital IO, 24 Volt AC/DC, 4 Digital Outputs (Honeywell XIO-4DO).....	608.74	
23 09 23 53-0266 EA Lon Analog IO, 24 Volt AC/DC, 4 Analog Inputs (Honeywell XIO-4NTC).....	641.46	
23 09 23 53-0267 EA Lon Analog IO, 24 Volt AC/DC, 4 Analog PT1000 Inputs (Honeywell XIO-4PT1000).....	641.46	
23 09 23 53-0268 EA Lon Analog IO, 24 Volt AC/DC, 8 Analog Inputs (Honeywell XIO-8AI)	922.92	
23 09 23 53-0269 EA 16 Point IO Module For Network Area Controllers (Honeywell WEB-IO-16).....	1,089.18	
Note: Includes 8 universal inputs, 4 relay outputs, and 4 analog outputs.		
23 09 23 53-0270 EA 34 Point IO Module For Network Area Controllers (Honeywell W7750A2005)	2,314.51	
Note: Includes 16 universal inputs, 10 relay outputs, and 8 analog outputs.		
23 09 23 53-0271 EMCS Software (23 09 23 53-0175)		
23 09 23 53-0272 Software Packages And License (23 09 23 53-0271)		
Note: Includes installation on equipment.		
23 09 23 53-0273 EA On Board Programming Tool For Network Area Controllers (Honeywell WP-AX-WEB).....	738.34	
Note: Requires UI services to be installed on NAC.		
23 09 23 53-0274 EA Software Upgrade To Provide Unrestricted Connected Device Limit (Honeywell WEB-403-EXUP-AX).....	2,773.95	
Note: Upgrade existing network area controller. As with other WEBs controllers, capacity is limited by the characteristics of the application including size and complexity.		
23 09 23 53-0275 EA WEBStation-AX Software For Windows (Honeywell WEB-S-AX)	8,247.39	
Note: Includes Archon database. WEBs controllers must have Enterprise Connectivity Station Pack (EC-SP). Includes one copy of WP-AX (WEBPro-AX).		
23 09 23 53-0276 EA Small Building WEBStation-AX Based Software (Honeywell WEB-S-AX-SBS).....	4,909.16	
Note: For up to 3 NAC controllers. NAC controllers must have Enterprise Connectivity Station Pack (EC-SP). Includes Archon database.		
23 09 23 53-0277 EA Upgrade Small Building To Large Building Software	5,523.08	
Note: Upgrade WEB-S-AX-SBS to WEB-S-AX.		
23 09 23 53-0278 EA Additional Copy Of WEBPro-AX (Honeywell WEB-S-AX-W)	3,843.96	
Note: One copy is included with WEB-S-AX and WEBStation-AX.		
23 09 23 53-0279 EA WEBs Energy Suite (WES) Base Software (Honeywell WES-BASE-AX).....	6,913.82	
Note: Includes license for 10 points of E ² Profiler and 2 licensed meters of Cost Profiler. Limit of one WES-BASE per WEBStation-AX Supervisor. Additional E ² Profiler point requirements or Cost Profiler meter requirements may use one or any combination of point/meter bundles. One WES-BASE required per WES project.		
23 09 23 53-0280 EA Perpetual License One Meter Point Bundle Of A Cost Profiler Meter And Two E ² Profiler Points (Honeywell WES-CP-AX)	833.01	
Note: Can be combined with the required single instance of VES-BASE as well as with any combination of other EP points and CP meters.		
23 09 23 53-0281 EA Perpetual License For One Point Of E ² Profiler (Honeywell WES-E2-AX).....	525.37	
Note: Can be combined with the required single instance of VES-BASE as well as with any number of other EP Points and Cost Profiler meters.		
23 09 23 53-0282 EA Perpetual License For An Unlimited Bundle Of E2 Points And CP Meters	37,814.06	
Note: Sold on a per server basis. Purchase of this product must be accompanied by VES-M1-ENT-AX maintenance. The first year price of maintenance is included with VES-ENT-AX.		
23 09 23 53-0283 EA Annual Maintenance For Enterprise WEBs-AX Energy Suite (Honeywell WES-M1-ENT-AX).....	34,477.75	
Note: The first year cost of VES-M1-ENT-AX is included with VES-ENT-AX. After the first year VES-M1-ENT-AX maintenance fee will be invoiced annually.		
23 09 23 53-0284 EA Standard WEBStation-AX Supervisor Bundled With WES-BASE-AX (Honeywell WES-S-AX)	13,151.32	
23 09 23 53-0285 EA Small WEBStation-AX Supervisor Bundled With WES-BASE-AX (Honeywell WES-S-AX-SBS).....	9,813.09	
23 09 23 53-0286 EA Add 500 Modbus TCP Points To WEBStation With WS-OSD Option (Honeywell WS-MTCP-500).....	2,836.84	
23 09 23 53-0287 EA Add 500 OPC Points To WEBStation With WS-OSD Option (Honeywell WS-OPC-500)	2,836.84	
23 09 23 53-0288 EA Vykron Oracle Driver For Support Of Oracle Database (Honeywell WS-ORCL)	19,636.65	
Note: Excludes Oracle.		
23 09 23 53-0289 EA Open System Driver Option (Honeywell WS-SNMP-500).....	2,618.22	
Note: Adds 25 points each of BACnet IP, OPC (client), Modbus TCP and SNMP to a standard WEBStation. Can be purchase with the WS or added later. Web Supervisor required to purchase this option.		
23 09 23 53-0290 EA Add 500 SNMP Points To WEBStation With WS-OSD Option (Honeywell WS-SNMP-500).....	2,836.84	
23 09 23 53-0291 EA WEBStation Software WS-1 And First Copy Of WEBPro Software (Honeywell ZW2000A1003).....	7,418.73	
Note: For a single Honeywell WEB NP controller. Excludes software keys for the additional nodes.		
23 09 23 53-0292 EA WEBStation Additional Node (Honeywell ZW2000B1002)	2,836.84	
23 09 23 53-0293 EA WEBStation Software And 20 Pack Of Node Software Keys (Honeywell ZW2000C1001).....	47,565.20	
23 09 23 53-0294 EA WEBStation Software And 50 Pack Of Node Software Keys (Honeywell ZW2000D1000).....	87,274.44	
23 09 23 53-0295 EA WEBStation Software And 100 Pack Of Node Software Keys (Honeywell ZW2000E1009).....	152,729.94	
23 09 23 53-0296 EA Master WEBStation Software For Monitoring Multiple WEBStations (Honeywell ZW2000F1008)	7,854.66	
23 09 23 53-0297 EA Additional Master WEBStation Software Licenses (Honeywell ZW200G1007)	3,927.33	
23 09 23 53-0298 EA Additional Copies Of Workplace Pro WP-1 (Web Pro) (Honeywell ZW2001A1001).....	3,037.55	
23 09 23 53-0299 EA Upgrade Existing NAC To Provide Unrestricted Connected Device Limit (Honeywell WC2003B1055).....	3,363.05	
Note: As with other WEBs, capacity is limited by the characteristics of the application including size and complexity.		
23 09 23 53-0300 Initial Database Generation (23 09 23 53-0271)		
23 09 23 53-0301 PNT Database Generation For Central Plant.....	78.89	
23 09 23 53-0302 PNT Database Generation For Programmable Controller	78.89	
Note: For VAV AHU, large CV AHU, or heat exchanger, etc.		
23 09 23 53-0303 EA Database Generation For Application Specific Controller.....	78.89	
Note: Price per each VAV box, fan coil unit, unit ventilator or small CV AHU. Task used for the first piece of each equipment.		
23 09 23 53-0304 EA Replication Of Database Generation For Application Specific Controller	54.91	
Note: Price per copy made.		
23 09 23 53-0305 EA Database Generation For Remote IO Modules, Sensors, Etcetera	54.91	
23 09 23 53-0306 Application Software Programs (23 09 23 53-0271)		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 09 23 53-0307	EA	Basic Application Program Package..... Note: One per project. Includes program inputs, command priorities, alarms, trends for analog and digital points, energy totalization, schedules, calendars, special events, occupied and unoccupied setpoints, ventilation and recirculation modes, hot water reset program, chilled water reset program, condenser water reset program, and fail-over logic.	3,291.96	
23 09 23 53-0308	EA	Optimum Start/Stop Program..... Note: Priced per controller requiring optimum start programming.	110.05	
23 09 23 53-0309	EA	Duty Cycling Program.....	51.97	
23 09 23 53-0310	EA	Hot Deck/Cold Deck Reset Application Program.....	5,655.47	
23 09 23 53-0311	EA	Boiler Optimization Program.....	7,411.13	
23 09 23 53-0312	EA	Chiller Optimization Program.....	10,039.13	
23 09 23 53-0313	EA	Lighting Control Program.....	4,844.50	
23 09 23 53-0314	EA	Demand Limiting Program..... Note: Priced per controller requiring optimum start programming.	96.52	
23 09 23 53-0315	EA	Email Alarm Server Configuration.....	3,737.32	

23 09 23 53-0316 Color Graphics Generation (23 09 23 53-0271)

Note: Priced per page.

23 09 23 53-0317	EA	Single Site Home Page Graphics Page With HTML Navigation Code.....	1,972.60	
23 09 23 53-0318	EA	Multi Site Home Page Graphics Page With HTML Navigation Code.....	3,502.28	
23 09 23 53-0319	EA	Color Graphics Page For Central Plant.....	896.24	
23 09 23 53-0320	EA	Color Graphics Page For Building Floor Plan.....	827.58	
23 09 23 53-0321	EA	Replication Of Color Graphics Page For Central Plant.....	449.59	
23 09 23 53-0322	EA	Color Graphics Page For Programmable Controller..... Note: For VAV AHU, large CV AHU, or heat exchanger, etc.	1,008.28	
23 09 23 53-0323	EA	Replication Of Color Graphics Page For Programmable Controller..... Note: Priced per copy made.	215.62	
23 09 23 53-0324	EA	Color Graphics Page For Application Specific Controller..... Note: Price per each VAV box, fan coil unit, unit ventilator or small CV AHU. Task used for the first piece of each equipment.	932.57	
23 09 23 53-0325	EA	Replication Of Color Graphics Page For Application Specific Cont..... Note: Priced per copy made.	93.23	

23 09 23 53-0326 Sensors, Actuators And Control Devices (23 09 23 53-0175)

Note: Includes installation, startup, checkout and miscellaneous parts for installation. Excludes conduit, wire and cable. Excludes engineering and programming labor. Each device is considered one control point. No engineering or programming time required for replacement parts.

23 09 23 53-0327 Special Sensors (23 09 23 53-0326)

23 09 23 53-0328	EA	Dewpoint Sensor (Honeywell C7232B1014).....	2,290.41	72.78
23 09 23 53-0329	EA	Enthalpy Sensor -25 To 125 F.....	2,391.57	72.78
23 09 23 53-0330	EA	Outdoor Mounted Temperature And Humidity Transmitter (Honeywell H7635C1002).....	1,034.62	145.56
23 09 23 53-0331	EA	Freezestat (Honeywell L482A1004).....	701.27	242.55
23 09 23 53-0332	EA	Wall Mounted Occupancy Sensor.....	516.39	72.78
23 09 23 53-0333	EA	Ceiling Mounted Occupancy Sensor.....	404.87	72.78
23 09 23 53-0334	EA	I/P Positioner With Gauge.....	477.71	72.78
23 09 23 53-0335	EA	Non-Communicating Duct Mounted Smoke Detector With Sampling Tube.....	571.27	72.78
23 09 23 53-0336	EA	EP Transducer.....	477.71	48.55
23 09 23 53-0337	EA	Electric Heat Sequencer.....	752.69	96.99

23 09 23 53-0338 Meters (23 09 23 53-0326)

23 09 23 53-0339	EA	208 - 480 Volt, Up To 2,400 Amperes, KW/KWh Meter/Current Transformer.....	4,877.40	581.98
23 09 23 53-0340	EA	208 - 480 Volt, Up To 2,400 Amperes, KW/KWh Meter/Current Transformer With LON interface.....	7,046.16	678.97
23 09 23 53-0341	EA	1 To 300 Amperes, Current Transformer For KW Meter.....	1,667.26	242.55
23 09 23 53-0342	EA	300 To 800 Amperes, Current Transformer For KW Meter.....	1,927.89	242.55
23 09 23 53-0343	EA	800 To 2,400 Amperes, Current Transformer For KW Meter.....	2,427.73	242.55

23 09 23 53-0344 Direct Coupled Actuators (23 09 23 53-0326)

23 09 23 53-0345	EA	44 IN-Lb., 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4105A1002).....	824.85	145.83
23 09 23 53-0346	EA	88 IN-Lb., 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4110A1200).....	898.28	145.83
23 09 23 53-0347	EA	175 IN-Lb., 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4120A1209).....	1,024.53	145.83
23 09 23 53-0348	EA	44 IN-Lb., 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8105A1008).....	781.88	145.83
23 09 23 53-0349	EA	88 IN-Lb., 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8110A1206).....	860.85	145.83
23 09 23 53-0350	EA	175 IN-Lb., 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8120A1205).....	939.05	145.83
23 09 23 53-0351	EA	44 IN-Lb., 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator.....	865.17	145.83
23 09 23 53-0352	EA	88 IN-Lb., 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator (Honeywell MS7510A2206).....	977.77	145.83
23 09 23 53-0353	EA	175 IN-Lb., 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator (Honeywell MS7520A2205).....	1,099.30	145.83
23 09 23 53-0354	EA	44 IN-Lb., 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Non- Spring Return Direct Coupled Damper Actuator (Honeywell MN7505A2209).....	723.30	145.83
23 09 23 53-0355	EA	88 IN-Lb., 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Non- Spring Return Direct Coupled Damper Actuator (Honeywell MN7510A2209).....	783.26	145.83
23 09 23 53-0356	EA	175 IN-Lb., 24 Volt AC, 4-20 mA, Floating Control, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN6120A1200).....	903.71	145.83
23 09 23 53-0357	EA	175 IN-Lb., 24 Volt AC, 4-20mA, 0-10 Volt DC, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN7220A2007).....	960.41	145.83
23 09 23 53-0358	EA	300 IN-Lb., 24 Volt AC, 4-20 mA, Floating Control, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN6134A10030).....	959.70	145.83
23 09 23 53-0359	EA	300 IN-Lb., 24 Volt AC, 4-20mA, 0-10 Volt DC, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN7234A2008).....	1,115.18	145.83
23 09 23 53-0360	EA	Pneumatic Spring Return Damper Actuator Without Positive Positioner (Honeywell MP909E1018).....	747.87	145.83
23 09 23 53-0361	EA	Pneumatic Spring Return Damper Actuator With Positive Positioner (Honeywell MP909H1368).....	1,272.19	145.83

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0362 EA Foot Mount Kit With Damper Linkage And Connectors For Direct Coupled Actuator	575.23	145.83
23 09 23 53-0363 EA Direct Coupled Damper Actuator Enclosure For Outdoor Use	856.58	145.83
23 09 23 53-0364 Thermostats (23 09 23 53-0175)		
23 09 23 53-0365 Electric And Electronic Thermostats (23 09 23 53-0364)		
Note: Includes installation, startup and checkout labor. Excludes engineering and programming labor. Each thermostat counts as one control point.		
23 09 23 53-0366 EA Line Voltage 120 Volt, Heat/Cool Thermostat (Honeywell T651A3018)	222.91	17.64
23 09 23 53-0367 EA Electronic Non-Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell TH5320)	241.52	17.64
23 09 23 53-0368 EA Electronic Programmable Heating/Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6110)	220.84	17.64
23 09 23 53-0369 EA Electronic Programmable Two Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6220)	249.17	17.64
23 09 23 53-0370 EA Electronic Programmable Three Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6320)	270.46	17.64
23 09 23 53-0371 EA Electronic Programmable Two Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH8321)	406.92	17.64
23 09 23 53-0372 EA Humidity Control Electronic Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7351F)	601.26	17.64
23 09 23 53-0373 EA Lon Communicating Humidity Control Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7350H)	985.51	17.64
23 09 23 53-0374 EA Modulating Lon Communicating Humidity Control Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7350M)	1,052.27	17.64
23 09 23 53-0375 Pneumatic Thermostats (23 09 23 53-0364)		
Note: Includes installation, startup and checkout labor. Excludes engineering and programming labor. Each thermostat counts as two control point.		
23 09 23 53-0376 EA Pneumatic Thermostat (Honeywell TP970B2182)	319.35	17.64
23 09 23 53-0377 Thermostats Guards (23 09 23 53-0364)		
23 09 23 53-0378 EA 9-3/4" x 7-1/4" x 3-3/8" Universal Thermostat Guard (Honeywell TG512A1009)	75.48	17.64
23 09 23 53-0379 EA 7-1/2" x 6-1/2" x 2-15/16" Universal Thermostat Guard (Honeywell TG511)	90.99	17.64
23 09 23 53-0380 EA 5-7/8" x 5-7/8" x 2-1/2" Deep Universal Thermostat Guard (Honeywell TG510)	85.41	17.64
23 09 23 53-0381 Johnson Controls (23 09 23 53)		
23 09 23 53-0382 Software (23 09 23 53-0381)		
Note: Excludes programming, set-up and commissioning of application.		
23 09 23 53-0383 EA 5 Concurrent User Application And Data Server (Johnson Controls MS-ADS05U-0)	20,990.95	
23 09 23 53-0384 EA 10 Concurrent User External Application And Data Server (Johnson Controls MS-ADX10U-0)	24,833.86	
23 09 23 53-0385 EA N2 Controllers Commissioning And Download Software (Johnson Controls MW-MTOOL-0)	1,179.09	
23 09 23 53-0386 EA N2 Controllers Download Cable Kit (Johnson Controls AS-CBLPRO-2)	1,812.41	
23 09 23 53-0387 EA BACnet FEU Controllers Commissioning And Download Software (Johnson Controls MS-CCTSWO-0)	3,249.10	
23 09 23 53-0388 EA BACnet Controllers Download Bluetooth Converter (Johnson Controls MS-BTCVT-0)	1,189.81	
23 09 23 53-0389 EA New User FX Tools Pro CD-Rom (FX Builder, FX Builder Expres, FX CommPro N2, FX CommPro LON, FX CommPro BACnet) Software (Johnson Controls LP-FXTPRO-0)	1,182.57	
23 09 23 53-0390 EA Upgrade FX Tools Pro CD-Rom (FX Builder, FX Builder Expres, FX CommPro N2, FX CommPro LON, FX CommPro BACnet) Software (Johnson Controls LP-FXTPRO-6)	399.22	
23 09 23 53-0391 Supervisory Controllers (23 09 23 53-0381)		
23 09 23 53-0392 EA NAE With 1 RS-485, Support For 50 Devices (Either N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE3510-2)	8,719.71	470.28
23 09 23 53-0393 EA NAE With 1 RS-485, Support For 100 Devices (Either N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE4511-2)	13,787.84	470.28
23 09 23 53-0394 EA NAE With 2 RS-485, Support For 200 Devices (N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE5511-1)	18,867.21	470.28
23 09 23 53-0395 EA NCE, 33 Points, Network Control Engine, 32 N2 Device Support Supervisory Controllers (Johnson Controls MS-NCE2510-0)	6,767.49	470.28
23 09 23 53-0396 Controllers (23 09 23 53-0381)		
23 09 23 53-0397 EA 10 Point Field Equipment Controller With 2 UI, 1 BI, 3 BO, 4 CO, 24 Volt AC And Sensor Actuator Bus With Mounting Base (Johnson Controls MS-FEU1610-0)	1,008.85	117.57
23 09 23 53-0398 EA 10 Point Field Equipment Controller With 2 UI, 1 BI, 3 BO, 4 CO, 24 Volt AC And Sensor Actuator Bus, Mounting Base And Integral Display (Johnson Controls MS-FEU1620-0)	1,346.79	235.14
23 09 23 53-0399 EA 17 Point Field Equipment Controller With 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC, Sensor Actuator Bus And Mounting Base (Johnson Controls MS-FEU2610-0)	1,716.12	235.14
23 09 23 53-0400 EA 17 Point Field Equipment Controller With 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC, Sensor Actuator Bus And Integral Display (Johnson Controls MS-FEU2620-0)	2,054.05	235.14
23 09 23 53-0401 EA BACnet MS/TP 4-Point I/O Module With 4 BI, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM1710-0)	814.97	117.57
23 09 23 53-0402 EA BACnet MS/TP 6 Point I/O Module With 2 UI, 2 UO, 2 BO, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM2710-0)	901.14	117.57
23 09 23 53-0403 EA BACnet MS/TP 12 Point I/O Module With 4 UI, 4 UO, 4 BO, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM3710-0)	1,030.40	117.57
23 09 23 53-0404 EA 17 Point I/O Module With 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC And Sensor Actuator Bus With Mounting Base (Johnson Controls MS-IOU4710-0)	1,047.63	117.57
23 09 23 53-0405 EA BACnet MS/TP Rooftop Controller For Stand-Alone And Networked Zoning Systems (Johnson Controls TEC2664Z-2)	2,141.97	235.14
23 09 23 53-0406 EA 32-bit, Integrated VAV Controller/Actuator/DPT, 3 UI, 3 BO, and 2 CO; 24 Volt AC; Field Controller Bus And Sensor Actuator Bus (Johnson Controls MS-VMA1630-0)	1,024.52	117.57

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
23 09 23 53-0407	EA	32-bit, Integrated VAV Controller/Actuator/Pressure Sensor - DPT, 3 UI and 3 BO, 2 CO, 24 Volt AC, and Sensor Actuator Bus (Johnson Controls MS-VMA1930-0) Note: Includes 6-pin Sensor Port for use with TE-7xx Series Non-Communicating Sensors and two Ethernet Ports for BACnet/IP Communications	1,515.95	117.57	
23 09 23 53-0408 Master FX Controllers (23 09 23 53-0381)					
23 09 23 53-0409	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, No Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X00-000C)	2,734.73	235.14	
23 09 23 53-0410	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, N2 Open Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X01-000C)	2,938.93	235.14	
23 09 23 53-0411	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, LON Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X02-000C)	3,040.40	235.14	
23 09 23 53-0412	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, RS-232 Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X03-000C)	2,978.73	235.14	
23 09 23 53-0413	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, BACnet Communications Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X04-000C)	2,882.36	235.14	
23 09 23 53-0414	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, N2 Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X11-000C)	2,897.81	235.14	
23 09 23 53-0415	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, BACnet Communications Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X14-000C)	2,882.36	235.14	
23 09 23 53-0416	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, No Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X50-000C)	2,939.15	235.14	
23 09 23 53-0417	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, N2 Open Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X51-000C)	3,115.50	235.14	
23 09 23 53-0418	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, LON Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X52-000C)	3,233.06	235.14	
23 09 23 53-0419	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, RS-232 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X53-000C)	3,174.28	235.14	
23 09 23 53-0420	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, BACnet Communications Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X54-000C)	3,053.95	235.14	
23 09 23 53-0421	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, No Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X60-000C)	2,939.15	235.14	
23 09 23 53-0422	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, N2 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X61-000C)	3,115.50	235.14	
23 09 23 53-0423	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, LON Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X62-000C)	3,233.06	235.14	
23 09 23 53-0424	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, RS-232 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X63-000C)	3,174.28	235.14	
23 09 23 53-0425	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, BACnet Communications Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X64-000C)	3,053.95	235.14	
23 09 23 53-0426	EA	N2 Open Communication Card For FX16 (Johnson Controls LP-NET151-010C)	325.86	58.78	
23 09 23 53-0427	EA	LON Communication Card For FX15 and FX16 (Johnson Controls LP-NET152-010C)	470.53	58.78	
23 09 23 53-0428	EA	RS-232 Communication Card For FX16 (Johnson Controls LP-NET163-000C)	366.47	58.78	
23 09 23 53-0429	EA	BACnet Communications Card For FX16 (Johnson Controls LP-NET164-000C)	325.86	58.78	
23 09 23 53-0430	EA	Remote Medium User Interface For FX16 (Johnson Controls LP-DIS60P20-0C)	905.78	58.78	
23 09 23 53-0431	EA	Facility Explorer Extension I/O Module (Johnson Controls LP-XT91D00-000C)	831.36	58.78	
23 09 23 53-0432	EA	5 UI, 4 BI, 3 AO, 6 Relay DO Expansion I/O Module (Johnson Controls LP-XM07X01-000C)	848.78	58.78	
23 09 23 53-0433	EA	5 UI, 4 BI, 3 AO, 2 Triac DO, 4 Relay DO Expansion I/O Module (Johnson Controls LP-XM07X11-000C)	848.78	58.78	
23 09 23 53-0434	EA	5 UI, 4 BI, 3 AO, 6 Relay DO (Manual Overrides For 2 AO And 4 Relay DO) Expansion I/O Module (Johnson Controls LP-XM07X51-000C)	935.82	58.78	
23 09 23 53-0435	EA	5 UI, 4 BI, 3 AO, 2 Triac DO, 4 Relay DO (Manual Overrides For 2 AO, 2 Triac DO, And 2 Relay DO) Expansion I/O Module (Johnson Controls LP-XM07X61-000C)	935.82	58.78	
23 09 23 53-0436	EA	6 UI, 12 BI, 4 AO, 9 Relay DO Expansion I/O Module (Johnson Controls LP-XM14X01-000C)	1,186.05	58.78	
23 09 23 53-0437	EA	6 UI, 12 BI, 4 AO, 4 Triac DO Expansion I/O Module (Johnson Controls LP-XM14X11-000C)	1,186.05	58.78	
23 09 23 53-0438	EA	6 UI, 12 BI, 4 AO, 9 Relay DO (Manual Overrides For 3 AO And 7 Relay DO) Expansion I/O Module (Johnson Controls LP-XM14X51-000C)	1,327.49	58.78	
23 09 23 53-0439	EA	6 UI, 12 BI, 4 AO, 4 Triac DO, 5 Relay DO (Manual Overrides For 3 AO, 2 Triac DO, And 5 Relay DO) Expansion I/O Module (Johnson Controls LP-XM14X61-000C)	1,327.49	58.78	
23 09 23 53-0440 VAV, Network And Special Sensors (23 09 23 53-0381)					
23 09 23 53-0441	EA	3" x 4-1/2", Surface Or Box Mounted, LCD RH Display, 3% RH Accuracy, Occupancy Override, Adjustable Temperature Setpoint BACnet Temperature And Humidity Sensor (Johnson Controls NS-BHR7001-0)	631.07	37.62	
23 09 23 53-0442	EA	3" x 4-1/2", Surface Or Box Mounted, Addressing Switch BACnet Temperature Sensor (Johnson Controls NS-BTN7003-0)	203.76	37.62	
23 09 23 53-0443	EA	3" x 4-1/2", Surface Or Box Mounted, 3% RH Accuracy, BACnet Temperature And Humidity Sensor (Johnson Controls NS-BHN7001-0)	485.90	37.62	
23 09 23 53-0444	EA	3" x 4-1/2", Surface Or Box Mounted, LCD Display, 2% RH Accuracy, Occupancy Override, Adjustable Temperature Setpoint Addressing Switch BACnet Temperature And Humidity Sensor (Johnson Controls NS-BPB7003-0)	732.31	37.62	
23 09 23 53-0445	EA	3" x 4-1/2", Surface Or Box Mounted, LCD Display, Occupancy Override, Adjustable Temperature Setpoint, BACnet Temperature Sensor (Johnson Controls NS-BTB7001-0)	235.76	37.62	
23 09 23 53-0446	EA	3" x 4-1/2", Surface Or Box Mounted CO2 Sensor, 0 To 2,000 ppm (Johnson Controls NS-BCN7004-0)	662.83	37.62	
23 09 23 53-0447 Sensors - Hard Wired Type (23 09 23 53-0381)					
23 09 23 53-0448	EA	Duct Mount Temperature Sensor, Platinum RT, With Handi-Box (Johnson Controls TFDCR00)	188.60	67.72	
23 09 23 53-0449	EA	Well Insertion Temperature Sensor, With Stainless 4-1/2" Well (Johnson Controls TIGB1C0)	167.18	37.62	
23 09 23 53-0450	EA	BACnet MS/TP Networked, Single Stage Thermostat (Johnson Controls TEC2601-2)	488.74	17.64	
Note: For fan coil units, unit heaters and single stage packaged heating/cooling equipment.					
23 09 23 53-0451	EA	BACnet MS/TP Networked Two Outputs, Dehumidification Capability And Three Speed Fan Control Thermostat (Johnson Controls TEC2616-2)	665.59	17.64	
Note: For two or four pipe fan coils, cabinet unit heaters or other equipment using on/off, floating, or proportional 0 to 10 Volt DC control input, three speeds of fan control, and dehumidification capability.					
23 09 23 53-0452	EA	BACnet MS/TP Networked Thermostats With Two Outputs (Johnson Controls TEC2627VVT-2)	489.71	17.64	
Note: For VVT systems.					

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0453 EA BACnet MS/TP Zone Controller For Proportional Zone Damper, On/Off Or Proportional Reheat Control (Johnson Controls TEC2647Z-2)	647.05	37.62
23 09 23 53-0454 EA BACnet Zone Controller With Occupancy Sensor For Proportional Zone Damper, On/Off Or Proportional Reheat Control (Johnson Controls TEC2647Z-2+PIR)	800.10	37.62
23 09 23 53-0455 Melink Intelli-Hood IH3 Controls (23 09 23 53)		
23 09 23 53-0456 Kitchen Ventilation Controllers (23 09 23 53-0455)		
23 09 23 53-0457 EA Fully Programmable Kitchen Ventilation Controller (Melink Intelli-Hood 2SYS-3001).....	10,199.08	470.28
Note: RS-485 communication protocol supports up to 39 Hood Controllers, 10 graphical user interface devices, 10 auxiliary power supplies, and 10 auxiliary light controllers. Modbus VFD communications interface for support of up to 64 variable frequency drives, programmable I/O points. Includes 3 digital inputs, 4 digital outputs, 1 analog output, and 1 analog input. BACnet over TCP/IP Interface, Real-Time Clock with battery back-up.		
23 09 23 53-0458 EA Graphical User Interface (Melink Intelli-Hood 2KPD-3001).....	1,980.62	96.99
Note: Full color 2.5" display and programming interface device. RS-485 communication protocol for interface with main controller.		
23 09 23 53-0459 EA Hood Controller (Melink Intelli-Hood 2SEN-3001)	3,152.43	391.51
Note: 6 point field I/O device, RS-485 communication protocol, supports up to 4 field temperature sensors and 1 optic sensor system.		
23 09 23 53-0460 Kitchen Ventilation Sensors (23 09 23 53-0455)		
23 09 23 53-0461 EA Duct Mount Stainless Steel RTD (Melink Intelli-Hood 2SEN-3005-Q)	574.98	67.72
Note: Includes UL listed mounting compression fitting, stainless steel probe protection sleeve, RJ-45 communication connector.		
23 09 23 53-0462 EA Optic Sensor System For Detection Of Cooking Effluent (Melink Intelli-Hood 2SEN-3004-28)	4,996.75	376.22
Note: Includes air purge unit, infrared emitter/receiver with stainless steel housings. Auto-calibration, 0.2 second response time, conformal-coated circuit boards, purge pipe assembly complete with UL listed compression fittings, communication interface cables and blower box assembly.		
23 09 23 53-0463 Siemens Controls (23 09 23 53)		
23 09 23 53-0464 EA Concealed Temperature Set Point Adjustment, Electric Line Voltage Heating/Cooling Thermostat (Siemens 134-1083)	470.84	17.64
23 09 23 53-0465 EA Exposed Temperature Set Point Adjustment, Electric Line Voltage Heating/Cooling Thermostat (Siemens 134-1085)	329.17	17.64
23 09 23 53-0466 EA SPST/Manual Reset, 1" To 12" Set Point Range, Differential Static Pressure Airflow Switch (Siemens 141-0575).....	328.17	79.43
23 09 23 53-0467 EA -0.5" To 0.5" WG, Low Differential Pressure Transmitter (Siemens 141-0591)	509.35	79.43
23 09 23 53-0468 EA Spring Clip Mounting Kit For Thermostat (Siemens 182-685)	80.17	11.76
23 09 23 53-0469 EA Two Position, Pneumatic Circuit, RL243 Switching Relay (Siemens 243-0001)	267.34	117.57
23 09 23 53-0470 EA 3/4" Two Way, Normally Closed, 6.3 Cv, FxF, Brass Trim, Floating, Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 260-02012)	441.57	21.62
23 09 23 53-0471 EA 1" Three Way, 10 Cv, FxF, Stainless Steel Trim. Floating, Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 266-02079).....	778.73	39.25
23 09 23 53-0472 EA 1" Three Way, 10 Cv, FxF, Brass Trim, 0 To 10 Volt DC, 4 To 20 mA Electronic Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 274-03203)	1,573.15	39.25
23 09 23 53-0473 EA 1-1/4" Two Way, 16 Cv, FxF, Stainless Steel Trim, 0 To 10 Volt DC Electronic Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 298-03006)	1,328.31	49.73
23 09 23 53-0474 EA 36" Rigid Probe, 4 To 20 mA, 20 To 120 Degree F Range, Duct Averaging Sensor (Siemens 535-490-36).....	331.90	67.72
23 09 23 53-0475 EA -58 To 122 Degree F Range, Outside Air Temperature Sensor (Siemens 536-768)	284.28	37.62
23 09 23 53-0476 EA Unit Conditioner Controller With Secure Mode (Siemens 540-110C)	627.42	55.49
23 09 23 53-0477 EA 9-Pin, Female To RJ-11 Cable (Siemens 540-143)	114.52	5.88
23 09 23 53-0478 EA Terminal Box Controller, Electronic Output, For Trane (Siemens 540-800).....	1,008.45	112.87
23 09 23 53-0479 EA MMI Extension Cable (Siemens 545-712)	181.74	5.88
23 09 23 53-0480 EA Remote Pressure Transmitter (Siemens 547-003)	1,535.35	37.62
23 09 23 53-0481 EA Cooling Only, GDE, BACnet Actuating Terminal Equipment Controller (Siemens 550-400)	934.94	28.21
23 09 23 53-0482 EA BACnet Unit Conditioner Fan Coil Controller (Siemens 550-433).....	803.17	75.25
23 09 23 53-0483 EA Door Lock And Key Assembly (Siemens 567-225)	42.94	23.51
23 09 23 53-0484 EA Insight Advanced Software Package (Siemens 571-010-381-USB)	15,638.05	
Note: Includes one user license and one sentinel key.		
23 09 23 53-0485 EA BACnet Client Option For Insight Advanced Software Package (Siemens 571-188).....	519.12	
23 09 23 53-0486 EA Soft Controller Option For Insight Advanced Software Package (Siemens 571-620)	3,415.19	
23 09 23 53-0487 EA 1" Steam, Normally Open, 10 Cv, Stainless Steel Trim, Class 250 Globe Valve (Siemens 599-03059)	518.55	13.05
23 09 23 53-0488 EA 2" Steam, Normally Open, 40 Cv, Stainless Steel Trim, Class 250 Globe Valve (Siemens 599-03062).....	1,092.67	22.62
23 09 23 53-0489 EA Firefinder XLS Driver, Modular Equipment Controller With RS-485 BLN, 8 DI, 8 DO, 8 AI, 8 AO, Point Expansion Support, HOA-Ready (Siemens 986-83481C)	10,280.73	47.03
23 09 23 53-0490 EA SiPass Driver, Modular Equipment Controller With RS-485 ALN, 8 DI, 8 DO, 8 AI, 8 AO, Point Expansion Support, Modem With HOA (Siemens 986-83482F)	12,114.83	47.03
23 09 23 53-0491 EA 7" x 13-7/16" x 3-3/4" Weather Shield (Siemens ASK75.3U).....	185.03	17.64
23 09 23 53-0492 EA Two Position, 24 Volt AC/Volt DC, Standard Cabling, Dual Auxillary Switches, Electronic Damper Actuator With Spring Return (Siemens GMA126.1U)	517.43	70.71
23 09 23 53-0493 EA Modulating, 0 To 10 Volt DC, 24 Volt AC/Volt DC, Standard Cabling, Electronic Damper Actuator With Spring Return (Siemens GMA161.1U).....	549.24	70.71
23 09 23 53-0494 EA License To Enable 4 TX-I/O Modules On The Island Bus And FLN Support On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-36.A)	4,552.69	
23 09 23 53-0495 EA License To Enable FLN Support On PXC-16 or PXC-24 "F" Models (Siemens LSM-FLN)	919.31	
23 09 23 53-0496 EA License To Enable FLN Support On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-FLN36.A)	2,958.71	
23 09 23 53-0497 EA License To Enable BACnet Field Panel Web Server (PXC-36) Or Web Services (PXC-16/24) (Siemens LSM-FPWEB)	2,118.02	
23 09 23 53-0498 EA License To Enable 4 TX-I/O Modules On The Island Bus On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-IB36.A).....	1,820.76	
23 09 23 53-0499 EA License To Enable SNMP Agent License To Enable SNMP Agent (Siemens LSM-SNMP)	5,382.98	
23 09 23 53-0500 EA 16-Switch HOA Upgrade Kit (Siemens PXA16-M).....	854.03	2.35
23 09 23 53-0501 EA 16-Switch HOA Upgrade Kit (Extended Temp, UL 916) With HMI Cable (Siemens PXA16-MR)	953.35	9.41
23 09 23 53-0502 EA 8-Switch HOA Upgrade Kit (Siemens PXA8-M).....	482.06	2.35
23 09 23 53-0503 EA 18" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC18).....	462.63	65.84

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 09 23 53-0504	EA	19" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC19).....	819.64	65.84
23 09 23 53-0505	EA	34" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC34).....	1,154.33	75.25
23 09 23 53-0506	EA	Serial Cable Required For HOA Or PXM10T/S Connection To Non-Rooftop Variants Of The 16-Point And 24-Point Compact Series (Siemens PXA-HMI.CABLEP5).....	40.72	11.76
23 09 23 53-0507	EA	115 Volt, 24 Volt AC, 50/60 Hertz, 192 VA PX Series Service Box (Siemens PXA-SB115V192VA).....	838.57	29.40
23 09 23 53-0508	EA	115 Volt, 24 Volt AC, 50/60 Hertz, 384 VA PX Series Service Box (Siemens PXA-SB115V384VA).....	1,349.45	29.40
23 09 23 53-0509	EA	230 Volt, 24 Volt AC, 50/60 Hertz, 192 VA PX Series Service Box (Siemens PXA-SB230V192VA).....	1,026.79	29.40
23 09 23 53-0510	EA	230 Volt, 24 Volt AC, 50/60 Hertz, 384 VA PX Series Service Box (Siemens PXA-SB230V384VA).....	1,564.58	29.40
23 09 23 53-0511	EA	PXC Modular, BACnet/IP Or MS/TP ALN, P1 Or MS/TP FLN, PXX-485.3 Is Also Required As The Connection To The FLN Devices (Siemens PXC00-E96.A).....	4,583.79	58.78
23 09 23 53-0512	EA	PXC Modular Series For BACnet Networks, TX-I/O Module, 96 Node (Siemens PXC100-E96.A).....	5,932.42	58.78
23 09 23 53-0513	EA	Peer To Peer, TX-I/O, 96 Node, APOGEE Automation System, Programmable Controller - Modular (Siemens PXC100-PE96.A).....	6,760.40	58.78
23 09 23 53-0514	EA	16 Point, BACnet/IP ALN Compact Programmable Controller (Siemens PXC16.2-E.A).....	1,850.71	58.78
23 09 23 53-0515	EA	16 Point, BACnet/IP ALN, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC16.2-EF.A).....	2,215.42	58.78
23 09 23 53-0516	EA	16 Point, MS/TP ALN Compact Programmable Controller (Siemens PXC16.2-M.A).....	1,973.77	58.78
23 09 23 53-0517	EA	24 Point, BACnet/IP ALN Compact Programmable Controller (Siemens PXC24.2-E.A).....	2,704.38	58.78
23 09 23 53-0518	EA	24 Point, BACnet/IP ALN, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC24.2-EF.A).....	2,956.20	58.78
23 09 23 53-0519	EA	24 Point, BACnet/IP ALN, Rooftop Compact Programmable Controller (Siemens PXC24.2-ER.A).....	2,893.73	58.78
23 09 23 53-0520	EA	24 Point, BACnet/IP ALN, Rooftop, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC24.2-ERF.A).....	3,119.36	58.78
23 09 23 53-0521	EA	24 Point, MS/TP ALN Compact Programmable Controller (Siemens PXC24.2-M.A).....	2,888.04	58.78
23 09 23 53-0522	EA	24 Point, MS/TP ALN, Rooftop Compact Programmable Controller (Siemens PXC24.2-MR.A).....	3,117.82	58.78
23 09 23 53-0523	EA	36 Point, BACnet/IP Or MS/TP ALN Compact Programmable Controller (Siemens PXC36-E.A).....	4,022.37	58.78
23 09 23 53-0524	EA	36 Point, BACnet/IP Or MS/TP ALN, Island Bus, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC36-EF.A).....	8,038.73	58.78
23 09 23 53-0525	EA	License To Enable The Island Bus On PXC00-E96.A and PXC00-PE96.A (Siemens PXF-TXIO.A).....	1,365.84	
23 09 23 53-0526	EA	Controller Mounted Operator Display Module With Point Monitor And Optional Blue Backlight (Siemens PXM10S).....	538.10	29.40
23 09 23 53-0527	EA	Controller Mounted Operator Display Module (Siemens PXM10T).....	390.62	29.40
23 09 23 53-0528	EA	Provides FLN Support For The PXC Modular (Siemens PXX-485.3).....	891.51	23.51
		Note: Includes Three RS-485 P1 FLN Connections Or One MS/TP FLN Connection, Maximum Of 96 Devices Supported		
23 09 23 53-0529	EA	Full Feature With Display, Override And Temperature Setpoint Adjustment, Room Temperature Sensor, 10K Ohm Type III Thermistor (Siemens QAA22SS.FWSN).....	300.48	29.40
23 09 23 53-0530	EA	Digital Temperature Room Unit for TEC, Sensing, Setpoint, Override, Display, No Logo (Siemens QAA2280.FWNC).....	289.71	37.62
23 09 23 53-0531	EA	4" Platinum, 1,000 Ohm, 385 Alpha Probe, Immersion Temperature Sensor (Siemens QAE2012.010).....	143.15	29.40
23 09 23 53-0532	EA	8" Platinum, 1,000 Ohm, 385 Alpha Probe, Duct Temperature Sensor (Siemens QAM2012.020).....	105.43	29.40
23 09 23 53-0533	EA	24" Flexible Averaging Probe (Siemens QAM2012.750).....	316.10	58.78
23 09 23 53-0534	EA	2 Meter Flexible Duct Temperature Sensor With Four Mounting Clamps (Siemens QAM2120.200).....	200.92	44.08
23 09 23 53-0535	EA	10 HP, 240 Volt, NEMA 2 Variable Frequency Drive (Siemens SED2-7.5/22X).....	3,611.61	378.81
23 09 23 53-0536	EA	Two Sets, Address Keys 1 - 12, Accessory For TX-I/O Module (Siemens TXA1.K12).....	36.86	11.76
23 09 23 53-0537	EA	Labels For HOA And TX-I/O Modules (Siemens TXA1.LLT-P100).....	0.89	
23 09 23 53-0538	EA	16 Digital Input Module (Siemens TXM1.16D).....	674.20	11.76
23 09 23 53-0539	EA	6 Digital Output Relay Points, Manual Override, Digital Output Module (Siemens TXM1.6R-M).....	1,022.17	11.76
23 09 23 53-0540	EA	8 Universal Points, Local Override/Identification, Digital Output Module (Siemens TXM1.8X-ML).....	1,643.14	23.51
23 09 23 53-0541	EA	1.2 A, 4A Fuse, Power Supply (Siemens TXS1.12F4).....	501.56	7.06

23 09 23 53-0542 Trane Controls (23 09 23 53)**23 09 23 53-0543 Software** (23 09 23 53-0542)

Note: Excludes programming, set-up and commissioning of application.

23 09 23 53-0544	EA	Summit + Building Management Package (Trane 40201152).....	7,748.28	
23 09 23 53-0545	EA	Summit Current Version Software (Trane 40201111).....	4,360.66	
23 09 23 53-0546	EA	Summit Customer Upgrade Package, Currently V10-V16 To V17 (Trane 40201113).....	1,061.83	
23 09 23 53-0547	EA	Rover Service Software And Hardware, Complete Kit (Trane X1365150001).....	4,334.16	
23 09 23 53-0548	EA	Tracer SC With -X1365152401 - BACnet (2 Pack) (Trane BMSC000AAA011000).....	12,039.16	

23 09 23 53-0549 EMCS Central Equipment And Controllers (23 09 23 53-0542)

23 09 23 53-0550	EA	Summit BTMX Operator Display Upgrade (Trane 40201224).....	6,373.55	470.28
23 09 23 53-0551	EA	Summit BTMX Retrofit Kit For BMTS And BMTW BCU (Trane 49500531).....	14,991.19	470.28
23 09 23 53-0552	EA	Summit BTMX Retrofit Kit For Tracer 100 (Trane 49500532).....	14,991.19	470.28
23 09 23 53-0553	EA	Summit BTMX, 120 Volt, (Trane BMTX-001-A-A-B0-00).....	13,120.00	470.28
23 09 23 53-0554	EA	Summit BTMX, 120 Volt, With Display (Trane BMTX-001-A-A-B0-10).....	15,295.62	470.28
23 09 23 53-0555	EA	Summit CCP Upgrade ROM Kit (Trane 40201095).....	225.89	29.40
23 09 23 53-0556	EA	Summit Comm5 Repeater (Trane 49500457).....	1,739.09	235.14
23 09 23 53-0557	EA	AHU Controller MP580/581 E Board Only (Trane 40201157).....	2,999.89	293.92
23 09 23 53-0558	EA	AHU Controller MP581 120 Volt AC With Enclosure And Display (Trane BMTM000AAC01).....	3,859.58	352.71
23 09 23 53-0559	EA	AHU Controller MP581 120 Volt AC With Enclosure, No Display (Trane BMTM000AAC00).....	2,994.92	352.71
23 09 23 53-0560	EA	AHU Controller MP581 Operator Door Display (Trane 40201156).....	2,507.09	352.71
23 09 23 53-0561	EA	AHU Controller MP581 Portable, Rugged, With Case (Trane 49500491).....	2,504.40	352.71
23 09 23 53-0562	EA	Controller MP503 I/O Module With Metal Enclosure (Trane 49500590).....	1,147.64	117.57
23 09 23 53-0563	EA	Controller MP503 I/O Module With Plastic Cover (Trane 49500490).....	1,040.16	117.57
23 09 23 53-0564	EA	Controller MP581 EX2 Expansion Module With Metal Enclosure (Trane 49500500).....	1,865.46	235.14
23 09 23 53-0565	EA	Controller MP581 EX2 Expansion Module With Plastic Cover (Trane 49500499).....	1,776.32	235.14
23 09 23 53-0566	EA	2 Position, FCU Controller ZN511 Zone With Metal Enclosure (Trane 49500569).....	1,000.79	117.57
23 09 23 53-0567	EA	2 Position, FCU Controller ZN511 Zone With Plastic Cover (Trane 4950-0469).....	871.37	117.57
23 09 23 53-0568	EA	4 Position, FCU Controller ZN517 Zone With Metal Enclosure (Trane 49500596).....	1,319.25	117.57
23 09 23 53-0569	EA	4 Position, FCU Controller ZN517 Zone With Plastic Cover (Trane 49500496).....	1,190.54	117.57
23 09 23 53-0570	EA	Modulating FCU Controller ZN520 Zone With Plastic Cover (Trane 4950049).....	1,012.31	117.57
23 09 23 53-0571	EA	Modulating FCU Controller ZN520 Zone With Plastic Cover (Trane 49500496).....	962.89	117.57
23 09 23 53-0572	EA	Modulating Tri ST FCU Controller ZN521 Zone With Metal Cover (Trane 49500570).....	1,114.65	117.57
23 09 23 53-0573	EA	Modulating Tri ST FCU Controller ZN521 Zone With Plastic Cover (Trane 49500470).....	1,012.31	117.57
23 09 23 53-0574	EA	DDC VAV Retrofit Kit (Trane VRTODD01).....	1,378.44	235.14

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0575	EA	DDC VAV Retrofit Kit With Belimo Actuator (Trane VRTODD01BLMO).....	1,505.72	235.14
23 09 23 53-0576 Network, VAV And Special Sensors (23 09 23 53-0542)				
23 09 23 53-0577	EA	Digital Display Zone Sensor (Trane X13790464010).....	240.70	37.62
23 09 23 53-0578	EA	Single Setpoint Wall Mounted Zone Temperature Sensor (Trane X13511529010).....	157.33	37.62
23 09 23 53-0579	EA	Wall Mounted Zone Temperature-Only Sensor (Trane X13511528010).....	143.27	37.62
23 09 23 53-0580	EA	Ceiling Mount Zone Occupancy Sensor (Trane X13790421-01).....	297.66	42.33
23 09 23 53-0581	EA	Zone LCD O/C Setpoint, 3 Speed Fan (Trane 41901121).....	176.55	37.62
23 09 23 53-0582	EA	Zone Sensor LCD O/C Setpoint (Trane 41901120).....	176.55	37.62
23 09 23 53-0583	EA	Duct CO2 Sensor, 0 To 2,000 ppm (Trane X13790423010).....	632.35	67.72
23 09 23 53-0584	EA	Room CO2 Sensor, 0 To 2,000 ppm (Trane X13790422010).....	585.23	37.62
23 09 23 53-0585	EA	Transformer 120/24 40 VA (Trane X13550284010).....	136.24	37.62
23 09 23 53-0586	EA	Transformer 24 Volt AC Wall Plug-In (Trane 35803005).....	131.21	37.62
23 09 23 53-0587	EA	Transformer UL Listed 120 Volt AC, 40 VA (Trane 35812022).....	123.18	37.62
23 09 23 53-0588	EA	Controller UC400 VAV Kit With Enclosure, And Belimo (Trane 5189454010).....	1,557.80	235.14
23 09 23 53-0589	EA	Controller UC400 VAV Kit With Enclosure, No Actuator (Trane 5189456010).....	1,489.13	235.14
23 09 23 53-0590	EA	Controller UC400 XM32 Module (4 Relay) (Trane X13651563010).....	1,345.84	235.14
23 09 23 53-0591	EA	Controller UC400 XM70 (8UI,6UI/AO,4R,1P) (Trane X13651568010).....	2,427.50	352.71
23 09 23 53-0592	EA	Controller UC400 XM30 I/O Module (4 UI/AO) (Trane X13651537010).....	1,345.84	235.14
23 09 23 53-0593	EA	Controller UC210 VAV With Belimo Actuator (Trane BMUC210AAA0B00011).....	1,418.52	235.14
23 09 23 53-0594	EA	Controller UC210 VAV Without Actuator (Trane BMUC210AAA0100011).....	1,424.19	235.14
23 09 23 53-0595	EA	Controller Optional Metal Enclosure, UC210 (Trane 501898).....	503.25	234.14
23 09 23 53-0596	EA	Controller UC400 PM014 24 Volt AC To 1.4 Amperes, 24 Volt DC (Trane X1365153801).....	745.16	234.14
23 09 23 53-0597	EA	Controller Tracer UC600 Controller (Trane BMUC600AAA0100011).....	2,731.85	352.71
23 09 23 53-0598	EA	Controller UC600 Tracer TD7 Display (Trane X13651571010).....	2,621.36	352.71
23 09 23 53-0599	EA	Controller UC600 TD7 Mounting Bracket (Trane X05010511010).....	161.35	46.86
23 09 23 53-0600	EA	Controller UC400 13" DIN Rail Enclosure, 120 Volt (Trane X13651559010).....	598.03	46.86
23 09 23 53-0601	EA	SC 24" DIN Rail Enclosure, 120 Volt (Trane X13651552010).....	2,800.15	352.71
23 09 23 53-0602	EA	BACnet Term (2 Pack) (Trane X1365152401).....	254.51	84.29
23 09 23 53-0603	EA	Tracer ES Add License (Trane X40250125010).....	3,341.60	
23 09 23 53-0604	EA	Kit - Tracer TU For Controls (Trane X4509151201).....	5,199.83	470.28
23 09 23 53-0605	EA	Kit - Tracer TU Complete (Trane X4509151301).....	6,883.29	470.28
23 09 23 53-0606	EA	Tracer TU Adapter Wired/Wireless (Trane X13651529010).....	680.40	84.29
23 09 23 53-0607	EA	Sensor Wireless Zone Sensor, Fahrenheit (Trane X13790492010).....	384.09	84.29
23 09 23 53-0608	EA	Sensor Wireless Display Sensor (Trane X13790822010).....	436.32	84.29
23 09 23 53-0609	EA	Sensor Wireless Receiver, 100mW (Trane X13790854010).....	389.11	84.29
23 09 23 53-0610	EA	Sensor Wireless Comm Interface (WCI) Indoor, 100mW (Trane X13790901010).....	533.60	84.29
23 09 23 53-0611	EA	Sensor Wireless Comm Interface (WCI) Outdoor, 100mW (Trane X13790941010).....	582.81	84.29
23 09 23 53-0612 Control Sensors, Meters, Relays, Power Supplies, Valves, Dampers And Actuators (23 09 23 53)				
23 09 23 53-0613 Current Switches And Current Sensors (23 09 23 53-0612)				
23 09 23 53-0614	EA	Up To 20 Amperes, 0 To 5 Volt DC, Current Sensor (Senva C-1203).....	146.28	37.62
23 09 23 53-0615	EA	Up To 20 Amperes, 4-20mA, Current Sensor (Senva C-1205).....	152.31	37.62
23 09 23 53-0616	EA	0.5 To 135 Amperes Range, Split Core, VFD Current Switch (Senva C-2350VFD-L).....	240.70	37.62
23 09 23 53-0617	EA	0.15 To 100 Amperes Range, Split Core, Current Switch With NC Command Relay (Senva C-2300 And CR4-24).....	138.25	37.62
23 09 23 53-0618	EA	0 To 50/100/200 Amperes (Selectable), 4-20mA, 0 To 5 Volt DC, Split Core, DC Current Sensor (Veris H970HCA).....	445.61	37.62
23 09 23 53-0619	EA	0 To 20/40/80 Amperes (Selectable), 0-20mA, 0 To 5 Volt DC, Split Core, DC Current Sensor (Veris H970LCC).....	280.62	37.62
23 09 23 53-0620	EA	1 To 135 Amperes, N.O. Contact, 1 Ampere At 110 Volt, Current Switch (Veris H709).....	211.75	37.62
23 09 23 53-0621	EA	0 To 10/20/40 Amperes, 4-20mA Analog Output, Solid Core, Loop Powered, Current Switch (Veris H721).....	211.75	37.62
23 09 23 53-0622	EA	Energy Meter H8163 Series, With BACnet Output (Veris H8186-CB-BAC).....	5,897.11	188.12
23 09 23 53-0623	EA	100 Amperes, Modbus RTU, Power Transducer (Veris H8035-0100-2).....	1,501.69	37.62
Note: 3 phase networked transducer.				
23 09 23 53-0624	EA	2,400 Amperes, Three Current Switches, Pulse Output, Phase Loss Alarm Output, Energy Meter (Veris H8163-2400-4-3).....	2,287.77	37.62
23 09 23 53-0625	EA	Up To 20 Amperes, 0-5 Volt DC, Current Transducer (Kele 4CTV).....	227.92	37.62
23 09 23 53-0626	EA	Solid Core Fixed Setpoint Digital Output Current Switch (Veris H-800).....	328.87	99.94
23 09 23 53-0627	EA	Split Core Fixed Setpoint Digital Output Current Switch (Veris H-900).....	329.36	99.94
23 09 23 53-0628	EA	Solid Core Adjustable Setpoint Digital Output Current Sensor (Veris H-708).....	353.46	99.94
23 09 23 53-0629	EA	Split Core Adjustable Setpoint Digital Output Current Sensor (Veris H-908).....	359.49	99.94
23 09 23 53-0630	EA	Solid And Split Core Adjustable Setpoint Digital Output VFD Current Switch (Veris H-904).....	393.64	99.94
23 09 23 53-0631	EA	Toggle Switch.....	132.85	47.03
23 09 23 53-0632	EA	Maintained Pushbutton Switch.....	142.69	47.03
23 09 23 53-0633	EA	Manual Time Switch.....	235.47	47.03
23 09 23 53-0634	EA	Emergency Stop Switch.....	401.38	47.03
23 09 23 53-0635	EA	Float Switch.....	374.87	47.03
23 09 23 53-0636	EA	Break Glass Switch.....	1,269.73	47.03
23 09 23 53-0637	EA	Boiler E-Stop Switch.....	754.09	47.03
23 09 23 53-0638 Relays (23 09 23 53-0612)				
23 09 23 53-0639	EA	DPDT, 24 Volt AC, Blade, Standard Relay (Kele RH2B-UAC24V).....	119.16	37.62
23 09 23 53-0640	EA	SPDT, 24 Volt AC/Volt DC, 120 Volt AC Multi-Voltage Relay Module (Kele PAM-1).....	131.52	37.62
23 09 23 53-0641	EA	SPDT, 24 Volt AC/Volt DC, 120 Volt AC Power Relay (Kele RIB2401B).....	187.60	47.03
Note: Box type.				
23 09 23 53-0642	EA	Motor Starter Interface, 300msec Pulse (Kele PIL-2).....	242.35	37.62
23 09 23 53-0643	EA	DP Relay Socket, DIN Rail Mounted (Kele SH2B-05).....	110.20	37.62
23 09 23 53-0644	EA	SP Relay Socket, DIN Rail Mounted (Kele SH1B-05).....	108.39	37.62
23 09 23 53-0645	EA	SPDT, 24 Volt AC, Blade, Standard Relay (Kele RH1B-UAC24V).....	119.16	37.62
23 09 23 53-0646	EA	DPDT, 24 Volt AC, Blade, Indicator Light Relay (Kele RH2B-ULAC24V).....	124.81	37.62
23 09 23 53-0647	EA	SPDT, 24 Volt AC, Blade, Indicator Light Relay (Kele RH1B-ULAC24V).....	126.35	37.62

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 09 23 53-0648	EA	SPDT Pilot Relay, Universal (Kele RIBU1C).....	135.55	47.03
		Note: Box type.		
23 09 23 53-0649	EA	SPST Pilot Relay With HOA Switch (Kele RIBU1S)	185.97	47.03
		Note: Box type.		
23 09 23 53-0650	EA	SPDT 3 Phase Line Voltage Monitor, .1-5 Minute Delay On Break Timer (ICM400)	341.48	47.03
23 09 23 53-0651	EA	SPDT 3-Phase Line Voltage Monitor, 0-10 Minute Delay On Break Timer (ICM450)	339.25	47.03

23 09 23 53-0652 Transformers (23 09 23 53-0612)

23 09 23 53-0653	EA	50 VA, 120/240/277/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X050CBA).....	144.96	37.62
23 09 23 53-0654	EA	75 VA, 120-24 Volt AC, CB Foot And Dual Hub Control Transformer (Veris X075CAB)	158.98	37.62
23 09 23 53-0655	EA	75 VA, 120/208/240/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X075CBA).....	158.98	37.62
23 09 23 53-0656	EA	100 VA, 120-24 Volt AC, CB Foot And Dual Hub Control Transformer (Veris X100CAB)	171.67	37.62
23 09 23 53-0657	EA	100 VA, 120/240/277/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X100CBA).....	179.49	37.62

23 09 23 53-0658 Power Supplies (23 09 23 53-0612)

23 09 23 53-0659	EA	Solid Core Current Operated Switch, Terminals, Adjustable Trip, 0.5-150A, SPST (Kele RIBXKTA).....	223.85	37.62
23 09 23 53-0660	EA	AC/DC Power Supply, 1.2 Amperes At 24 Volt Output (Kele DCPA-1.2).....	262.76	37.62
23 09 23 53-0661	EA	DC Power Supply, 5 Volt DC And 24 Volt DC Output (Kele DCP-524).....	245.22	37.62
23 09 23 53-0662	EA	DC Power Supply, 24 Volt DC, DIN Rail Mounted (Kele DCP-250-D)	253.52	37.62
23 09 23 53-0663	EA	DC Power Supply, 24 Volt DC, Hub Mounted (Kele DCP-250-H).....	246.12	37.62
23 09 23 53-0664	EA	DC Power Supply, 24 Volt DC, Panel Mounted (Kele DCP-250-P)	258.50	37.62
23 09 23 53-0665	EA	DC Power Supply, 24 Volt AC In To Custom DC Out, At 1.5 Amperes (Kele DCP-1.5-W-C).....	190.40	37.62

23 09 43 Pneumatic Control System For HVAC (23 09)**23 09 43 00-0001 Pneumatic Tubing For HVAC Instrumentation and Control Devices** (23 09 43)**23 09 43 00-0002 Polyurethane Pneumatic Tubing** (23 09 43 00-0001)

23 09 43 00-0003	LF	1/4" Outside Diameter x 1/32" Thick Wall Polyurethane Pneumatic Tubing	2.63	1.03
23 09 43 00-0004	LF	5/32" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing	3.33	1.06
23 09 43 00-0005	LF	3/8" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing	4.35	1.09
23 09 43 00-0006	LF	1/2" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing	5.52	1.12

23 09 43 00-0007 Fire Resistant Polyethylene Pneumatic Tubing (23 09 43 00-0001)

23 09 43 00-0008	LF	1/4" Outside Diameter x .040" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing	2.35	1.03
23 09 43 00-0009	LF	5/32" Outside Diameter x .030" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing	2.52	1.06
23 09 43 00-0010	LF	3/8" Outside Diameter x .062" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing	2.89	1.09
23 09 43 00-0011	LF	1/2" Outside Diameter x .062" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing	3.59	1.12

23 09 43 00-0012 Nylon Pneumatic Tubing (23 09 43 00-0001)

23 09 43 00-0013	LF	1/8" Outside Diameter x .016" Thick Wall Nylon Pneumatic Tubing	2.78	1.00
23 09 43 00-0014	LF	1/4" Outside Diameter x .035" Thick Wall Nylon Pneumatic Tubing	3.68	1.03
23 09 43 00-0015	LF	3/8" Outside Diameter x .050" Thick Wall Nylon Pneumatic Tubing	5.55	1.09
23 09 43 00-0016	LF	1/2" Outside Diameter x .062" Thick Wall Nylon Pneumatic Tubing	7.11	1.12

23 09 43 00-0017 Flexible Vinyl Pneumatic Tubing (23 09 43 00-0001)

23 09 43 00-0018	LF	1/4" Outside Diameter Flexible Vinyl Pneumatic Tubing.....	2.72	1.03
23 09 43 00-0019	LF	3/8" Outside Diameter Flexible Vinyl Pneumatic Tubing	4.38	1.09
23 09 43 00-0020	LF	1/2" Outside Diameter Flexible Vinyl Pneumatic Tubing.....	5.28	1.12
23 09 43 00-0021	LF	5/8" Outside Diameter Flexible Vinyl Pneumatic Tubing.....	6.43	1.15
23 09 43 00-0022	LF	3/4" Outside Diameter Flexible Vinyl Pneumatic Tubing.....	7.29	1.18
23 09 43 00-0023	LF	1" Outside Diameter Flexible Vinyl Pneumatic Tubing.....	9.98	1.21

23 09 43 00-0024 Braided Vinyl Pneumatic Tubing (23 09 43 00-0001)

23 09 43 00-0025	LF	5/8" Outside Diameter Braided Vinyl Pneumatic Tubing	3.67	1.15
23 09 43 00-0026	LF	3/4" Outside Diameter Braided Vinyl Pneumatic Tubing.....	4.28	1.18
23 09 43 00-0027	LF	1" Outside Diameter Braided Vinyl Pneumatic Tubing.....	5.35	1.21

23 09 43 00-0028 Copper Pneumatic Tubing (23 09 43 00-0001)

23 09 43 00-0029	LF	1/4" Outside Diameter Copper Pneumatic Tubing	5.63	2.22
23 09 43 00-0030	LF	3/8" Outside Diameter Copper Pneumatic Tubing	6.84	2.55
23 09 43 00-0031	LF	1/2" Outside Diameter Copper Pneumatic Tubing	7.95	2.93
23 09 43 00-0032	LF	5/8" Outside Diameter Copper Pneumatic Tubing	9.79	3.38
23 09 43 00-0033	LF	3/4" Outside Diameter Copper Pneumatic Tubing	11.15	3.88

23 09 43 00-0034 Brass Couplings (23 09 43 00-0001)**23 09 43 00-0035 Straight Brass Couplings** (23 09 43 00-0034)

Note: Barb x Barb

23 09 43 00-0036	EA	1/4" x 1/4" Straight Brass Coupling	12.00	5.60
23 09 43 00-0037	EA	3/8" x 1/4" Straight Brass Coupling	12.14	5.60
23 09 43 00-0038	EA	3/8" x 3/8" Straight Brass Coupling	12.27	5.60

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 43 00-0039		Elbow Brass Couplings (23 09 43 00-0034) Note: Barb x Barb		
23 09 43 00-0040	EA	1/4" x 1/4" Elbow Brass Coupling	12.75	5.60
23 09 43 00-0041	EA	3/8" x 3/8" Elbow Brass Coupling	13.20	5.60
23 09 43 00-0042		Tee Brass Couplings (23 09 43 00-0034) Note: Barb x Barb		
23 09 43 00-0043	EA	1/4" x 1/4" x 1/4" Tee Brass Coupling	19.47	8.70
23 09 43 00-0044	EA	3/8" x 3/8" x 1/4" Tee Brass Coupling	22.33	9.32
23 09 43 00-0045	EA	3/8" x 3/8" x 3/8" Tee Brass Coupling	21.85	9.32
23 10 Facility Fuel Systems (23)				
23 11 Facility Fuel Piping (23 10)				
23 11 23 Facility Natural-Gas Piping (23 11)				
See CSI section 23 21 13 23-0001 for threaded black steel pipe, 33 52 16 00-0000 for underground MDPE and HDPE pipe.				
23 11 23 00-0001		Corrugated Stainless Steel Tubing (CSST), Flexible Gas Piping (23 11 23)		
23 11 23 00-0002		Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0001) Note: Includes UV resistant polyethylene jacket. Excludes fittings and pipe hangers.		
23 11 23 00-0003	LF	3/8" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	6.52	2.18
23 11 23 00-0004	LF	1/2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	7.18	2.36
23 11 23 00-0005	LF	3/4" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	8.58	2.55
23 11 23 00-0006	LF	1" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	10.79	2.70
23 11 23 00-0007	LF	1-1/4" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	12.69	2.84
23 11 23 00-0008	LF	1-1/2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	19.20	2.95
23 11 23 00-0009	LF	2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	25.95	3.15
23 11 23 00-0010		Fittings And Accessories For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0001)		
23 11 23 00-0011		Male Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)		
23 11 23 00-0012	EA	3/8" x 1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	31.21	
23 11 23 00-0013	EA	3/8" x 3/8", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	31.21	
23 11 23 00-0014	EA	1/2" x 3/8", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	33.44	
23 11 23 00-0015	EA	1/2" x 1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	33.44	
23 11 23 00-0016	EA	3/4" x 3/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	40.09	
23 11 23 00-0017	EA	1" x 3/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	54.87	
23 11 23 00-0018	EA	1" x 1", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	54.87	
23 11 23 00-0019	EA	1-1/4" x 1-1/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	92.54	
23 11 23 00-0020	EA	1-1/2" x 1-1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	168.52	
23 11 23 00-0021	EA	2" x 2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	272.21	
23 11 23 00-0022		Female Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)		
23 11 23 00-0023	EA	3/8" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	30.25	
23 11 23 00-0024	EA	1/2" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	33.44	
23 11 23 00-0025	EA	1/2" x 3/8", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	33.44	
23 11 23 00-0026	EA	3/4" x 3/4", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	40.09	
23 11 23 00-0027	EA	3/4" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	40.09	
23 11 23 00-0028	EA	1" x 3/4", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	52.51	
23 11 23 00-0029	EA	1" x 1", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	52.51	
23 11 23 00-0030		Reducing Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)		
23 11 23 00-0031	EA	3/4" x 1/2", (CSST x Threaded) Reducing Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	40.66	
23 11 23 00-0032	EA	1" x 3/4", (CSST x Threaded) Reducing Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	53.37	
23 11 23 00-0033		Couplings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)		
23 11 23 00-0034	EA	3/8" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	41.66	
23 11 23 00-0035	EA	1/2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	46.17	
23 11 23 00-0036	EA	3/4" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	57.80	
23 11 23 00-0037	EA	1" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	82.49	
23 11 23 00-0038	EA	1-1/4" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	153.60	
23 11 23 00-0039	EA	1-1/2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	298.85	
23 11 23 00-0040	EA	2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	495.54	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 11 23 00-0041		Tees For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe ^(23 11 23 00-0010)	
23 11 23 00-0042	EA	1/2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	57.65
23 11 23 00-0043	EA	3/4" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	92.14
23 11 23 00-0044	EA	1" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	145.30
23 11 23 00-0045	EA	1-1/4" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	249.15
23 11 23 00-0046	EA	1-1/2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	267.84
23 11 23 00-0047	EA	2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	307.37
23 11 23 00-0048		Indoor Termination Fittings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe ^(23 11 23 00-0010)	
23 11 23 00-0049	EA	3/8" x 1/2", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	37.48
23 11 23 00-0050	EA	1/2" x 1/2", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	38.76
23 11 23 00-0051	EA	3/4" x 3/4", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	42.15
23 11 23 00-0052	EA	1" x 3/4", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	56.44
23 11 23 00-0053	EA	1" x 1", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	57.25
23 11 23 00-0054		Outdoor Termination Fittings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe ^(23 11 23 00-0010)	
23 11 23 00-0055	EA	3/8" x 1/2", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	41.22
23 11 23 00-0056	EA	1/2" x 1/2", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	42.35
23 11 23 00-0057	EA	3/4" x 3/4", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	49.77
23 11 23 00-0058	EA	1" x 3/4", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	58.57
23 11 23 00-0059	EA	1" x 1", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	58.57
23 11 23 00-0060		Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe ^(23 11 23 00-0010)	
23 11 23 00-0061	EA	3/8" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	65.37
23 11 23 00-0062	EA	1/2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	67.02
23 11 23 00-0063	EA	3/4" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	70.26
23 11 23 00-0064	EA	1" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	110.61
23 11 23 00-0065	EA	1-1/4" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	114.80
23 11 23 00-0066	EA	1-1/2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	164.76
23 11 23 00-0067	EA	2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	204.46
23 11 23 00-0068		Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe ^(23 11 23 00-0010)	
23 11 23 00-0069	EA	3/8" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	69.00
23 11 23 00-0070	EA	1/2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	70.59
23 11 23 00-0071	EA	3/4" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	77.74
23 11 23 00-0072	EA	1" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	139.20
23 11 23 00-0073	EA	1-1/4" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	143.62
23 11 23 00-0074	EA	1-1/2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	196.90
23 11 23 00-0075	EA	2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	247.99
23 11 23 00-0076		Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe ^(23 11 23 00-0010)	
23 11 23 00-0077	EA	1/2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	39.79
23 11 23 00-0078	EA	3/4" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	42.94
23 11 23 00-0079	EA	1" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	64.83
23 11 23 00-0080	EA	1-1/4" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	99.31
23 11 23 00-0081	EA	1-1/2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	192.00
23 11 23 00-0082	EA	2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	305.09
23 11 23 00-0083		Stub-Outs For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe ^(23 11 23 00-0010)	
		Note: Includes mounting plate.	
23 11 23 00-0084	EA	1/2" Appliance Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	34.34
23 11 23 00-0085	EA	3/4" Appliance Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	37.42

MINOR		CSI UOM DESCRIPTION		TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
23 11 23 00-0086	EA	1/2" Fireplace Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	34.38		
23 11 23 00-0087	EA	1/2" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	34.49		
23 11 23 00-0088	EA	3/4" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	35.97		
23 11 23 00-0089	EA	1" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	42.67		
23 11 23 00-0090	EA	1-1/4" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	51.22		
23 11 23 00-0091 Flush Mount Gas Valve Kits For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)					
Note: Includes flush fitting plastic valve box and 90 degree brass shut-off valve.					
23 11 23 00-0092	EA	1/2" x 1/2", (CSST x Threaded) Flush Mount Gas Valve Kit For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	96.82		22.89
23 11 23 00-0093	EA	3/4" x 3/4", (CSST x Threaded) Flush Mount Gas Valve Kit For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	109.26		24.02
23 11 23 00-0094 Shut-Off Valves For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)					
23 11 23 00-0095	EA	3/8" x 1/2", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	69.68		20.03
23 11 23 00-0096	EA	1/2" x 1/2", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	81.11		23.80
23 11 23 00-0097	EA	3/4" x 3/4", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	99.49		28.61
23 11 23 00-0098	EA	1" x 3/4", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	124.61		38.22
23 11 23 00-0099 Manifolds For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)					
Note: Includes mounting hardware.					
23 11 23 00-0100	EA	1/2" Inlet, Three 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	85.54		23.80
23 11 23 00-0101	EA	3/4" Inlet, Three 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	97.17		28.61
23 11 23 00-0102	EA	1/2" Inlet, Four 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	91.52		23.80
23 11 23 00-0103	EA	3/4" Inlet, Four 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	101.05		28.61
23 11 23 00-0104	EA	2" x 1-1/2" Inlet, Four 1" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	193.75		71.52
23 11 23 00-0105 Pressure Regulators For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)					
23 11 23 00-0106	EA	1/2" Port, 250 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	90.37		23.80
23 11 23 00-0107	EA	1/2" Port, 355 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	90.37		23.80
23 11 23 00-0108	EA	1/2" Port, 425 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	126.15		23.80
23 11 23 00-0109	EA	3/4" Port, 550 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	135.68		28.61
23 11 23 00-0110	EA	3/4" Port, 810 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	135.68		28.61
23 11 23 00-0111	EA	1" Port, 550 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	154.75		38.22
23 11 23 00-0112	EA	1-1/4" Port, 1,000 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	230.57		42.91
23 11 23 00-0113	EA	1/2" Port, 200 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	119.82		23.80
23 11 23 00-0114	EA	3/4" Port, 425 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	297.69		28.61
23 11 23 00-0115	EA	1-1/4" Port, 900 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	722.29		42.91
23 11 23 00-0116 Polymer Coated Stainless Steel, Flexible Gas Appliance Connectors (Brass Craft) (23 11 23)					
23 11 23 00-0117 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)					
23 11 23 00-0118	EA	12" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-12).....	48.27		17.17
23 11 23 00-0119	EA	18" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-18).....	52.77		18.30
23 11 23 00-0120	EA	24" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-24).....	57.08		18.30
23 11 23 00-0121	EA	30" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-30).....	59.84		19.45
23 11 23 00-0122	EA	36" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-36).....	63.33		19.45
23 11 23 00-0123	EA	48" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-48).....	71.02		20.60
23 11 23 00-0124	EA	60" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-60).....	78.02		20.60
23 11 23 00-0125	EA	72" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-72).....	84.95		21.74
23 11 23 00-0126 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)					
23 11 23 00-0127	EA	12" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-12).....	48.27		17.17
23 11 23 00-0128	EA	18" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-18).....	52.77		18.30
23 11 23 00-0129	EA	24" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-24).....	57.08		18.30
23 11 23 00-0130	EA	30" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-30).....	59.84		19.45

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 11 23 00-0131	EA	36" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-36).....	63.33	19.45
23 11 23 00-0132	EA	48" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-48).....	71.02	20.60
23 11 23 00-0133	EA	60" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-60).....	78.02	20.60
23 11 23 00-0134	EA	72" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-72).....	84.95	21.74
23 11 23 00-0135		3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		
23 11 23 00-0136	EA	12" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-12).....	48.27	17.17
23 11 23 00-0137	EA	18" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-18).....	52.77	18.30
23 11 23 00-0138	EA	24" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-24).....	57.08	18.30
23 11 23 00-0139	EA	30" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-30).....	59.84	19.45
23 11 23 00-0140	EA	36" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-36).....	63.33	19.45
23 11 23 00-0141	EA	48" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-48).....	71.02	20.60
23 11 23 00-0142	EA	60" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-60).....	78.02	20.60
23 11 23 00-0143	EA	72" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-72).....	84.95	21.74
23 11 23 00-0144		3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		
23 11 23 00-0145	EA	12" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-12).....	48.27	17.17
23 11 23 00-0146	EA	18" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-18).....	52.77	18.30
23 11 23 00-0147	EA	24" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-24).....	67.67	18.30
23 11 23 00-0148	EA	30" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-30).....	59.84	19.45
23 11 23 00-0149	EA	36" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-36).....	63.33	19.45
23 11 23 00-0150	EA	48" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-48).....	71.02	20.60
23 11 23 00-0151	EA	60" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-60).....	78.02	20.60
23 11 23 00-0152	EA	72" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-72).....	84.95	21.74
23 11 23 00-0153		3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		
23 11 23 00-0154	EA	12" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-12).....	52.35	17.17
23 11 23 00-0155	EA	18" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-18).....	57.84	18.30
23 11 23 00-0156	EA	24" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-24).....	57.08	18.30
23 11 23 00-0157	EA	30" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-30).....	66.31	19.45
23 11 23 00-0158	EA	36" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-36).....	63.33	19.45
23 11 23 00-0159	EA	48" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-48).....	71.02	20.60
23 11 23 00-0160	EA	60" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-60).....	78.02	20.60
23 11 23 00-0161	EA	72" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-72).....	84.95	21.74
23 11 23 00-0162		3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		
23 11 23 00-0163	EA	12" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-12).....	48.27	17.17
23 11 23 00-0164	EA	24" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-24).....	63.08	18.30
23 11 23 00-0165	EA	30" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-30).....	59.84	19.45
23 11 23 00-0166	EA	36" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-36).....	63.33	19.45
23 11 23 00-0167	EA	48" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-48).....	71.02	20.60
23 11 23 00-0168	EA	60" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-60).....	88.82	20.60
23 11 23 00-0169	EA	72" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-72).....	84.95	21.74

MINOR			TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST	UNIT COST
23 11 23 00-0170			3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)			
23 11 23 00-0171	EA	12" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-12).....	48.27		17.17	
23 11 23 00-0172	EA	18" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-18).....	52.77		18.30	
23 11 23 00-0173	EA	24" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-24).....	57.08		18.30	
23 11 23 00-0174	EA	30" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-30).....	59.84		19.45	
23 11 23 00-0175	EA	36" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-36).....	63.33		19.45	
23 11 23 00-0176	EA	48" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-48).....	71.02		20.60	
23 11 23 00-0177	EA	60" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-60).....	78.02		20.60	
23 11 23 00-0178	EA	72" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-72).....	84.95		21.74	
23 11 23 00-0179			3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)			
23 11 23 00-0180	EA	12" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-12).....	48.27		17.17	
23 11 23 00-0181	EA	18" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-18).....	52.77		18.30	
23 11 23 00-0182	EA	24" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-24).....	57.08		18.30	
23 11 23 00-0183	EA	30" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-30).....	59.84		19.45	
23 11 23 00-0184	EA	36" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-36).....	63.33		19.45	
23 11 23 00-0185	EA	48" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-48).....	71.02		20.60	
23 11 23 00-0186	EA	60" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-60).....	78.02		20.60	
23 11 23 00-0187	EA	72" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-72).....	84.95		21.74	
23 11 23 00-0188			3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)			
23 11 23 00-0189	EA	18" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-18).....	57.84		18.30	
23 11 23 00-0190	EA	24" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-24).....	57.08		18.30	
23 11 23 00-0191	EA	30" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-30).....	66.31		19.45	
23 11 23 00-0192	EA	36" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-36).....	70.49		19.45	
23 11 23 00-0193	EA	48" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-48).....	80.11		20.60	
23 11 23 00-0194			1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)			
23 11 23 00-0195	EA	12" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-12).....	48.27		17.17	
23 11 23 00-0196	EA	18" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-18).....	52.77		18.30	
23 11 23 00-0197	EA	24" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-24).....	52.84		18.30	
23 11 23 00-0198	EA	30" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-30).....	59.84		19.45	
23 11 23 00-0199	EA	36" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-36).....	58.26		19.45	
23 11 23 00-0200	EA	48" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-48).....	72.56		20.60	
23 11 23 00-0201	EA	60" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-60).....	78.02		20.60	
23 11 23 00-0202	EA	72" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-72).....	84.95		21.74	
23 11 23 00-0203			1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)			
23 11 23 00-0204	EA	12" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-12).....	48.27		17.17	
23 11 23 00-0205	EA	18" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-18).....	49.31		18.30	
23 11 23 00-0206	EA	24" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-24).....	50.50		18.30	
23 11 23 00-0207	EA	30" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-30).....	59.84		19.45	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
23 11 23 00-0208	EA	36" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-36).....	63.33	19.45	
23 11 23 00-0209	EA	48" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-48).....	64.40	20.60	
23 11 23 00-0210	EA	60" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-60).....	78.02	20.60	
23 11 23 00-0211	EA	72" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-72).....	84.95	21.74	
23 11 23 00-0212		1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)			
23 11 23 00-0213	EA	12" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-12).....	48.27	17.17	
23 11 23 00-0214	EA	18" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-18).....	52.77	18.30	
23 11 23 00-0215	EA	24" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-24).....	57.08	18.30	
23 11 23 00-0216	EA	30" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-30).....	59.84	19.45	
23 11 23 00-0217	EA	36" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-36).....	54.73	19.45	
23 11 23 00-0218	EA	48" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-48).....	71.02	20.60	
23 11 23 00-0219	EA	60" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-60).....	78.02	20.60	
23 11 23 00-0220	EA	72" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-72).....	84.95	21.74	
23 11 23 00-0221		3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)			
23 11 23 00-0222	EA	12" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-12).....	62.81	17.17	
23 11 23 00-0223	EA	18" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-18).....	67.29	18.30	
23 11 23 00-0224	EA	24" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-24).....	71.59	18.30	
23 11 23 00-0225	EA	30" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-30).....	74.34	19.45	
23 11 23 00-0226	EA	36" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-36).....	77.96	19.45	
23 11 23 00-0227	EA	48" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-48).....	85.20	20.60	
23 11 23 00-0228	EA	60" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-60).....	92.79	20.60	
23 11 23 00-0229	EA	72" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-72).....	99.73	21.74	
23 11 23 00-0230		3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)			
23 11 23 00-0231	EA	12" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-12).....	74.26	22.89	
23 11 23 00-0232	EA	18" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-18).....	78.73	24.02	
23 11 23 00-0233	EA	24" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-24).....	83.04	24.02	
23 11 23 00-0234	EA	30" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-30).....	85.79	25.17	
23 11 23 00-0235	EA	36" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-36).....	89.39	25.17	
23 11 23 00-0236	EA	48" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-48).....	96.65	26.32	
23 11 23 00-0237	EA	60" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-60).....	104.23	26.32	
23 11 23 00-0238	EA	72" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-72).....	111.17	27.46	
23 11 23 00-0239		3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)			
23 11 23 00-0240	EA	12" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-12).....	74.26	22.89	
23 11 23 00-0241	EA	18" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-18).....	78.73	24.02	
23 11 23 00-0242	EA	24" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-24).....	83.04	24.02	
23 11 23 00-0243	EA	30" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-30).....	85.79	25.17	
23 11 23 00-0244	EA	36" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-36).....	89.39	25.17	
23 11 23 00-0245	EA	48" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-48).....	96.65	26.32	
23 11 23 00-0246	EA	60" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-60).....	104.23	26.32	

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0247	EA	72" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-72)	111.17	27.46
23 11 23 00-0248		3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		
23 11 23 00-0249	EA	12" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-12)	86.09	22.89
23 11 23 00-0250	EA	18" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-18)	90.55	24.02
23 11 23 00-0251	EA	24" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-24)	94.87	24.02
23 11 23 00-0252	EA	30" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-30)	97.61	25.17
23 11 23 00-0253	EA	36" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-36)	101.23	25.17
23 11 23 00-0254	EA	48" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-48)	108.48	26.32
23 11 23 00-0255	EA	60" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-60)	116.06	26.32
23 11 23 00-0256		3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		
23 11 23 00-0257	EA	12" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-12)	86.09	22.89
23 11 23 00-0258	EA	18" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-18)	90.55	24.02
23 11 23 00-0259	EA	24" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-24)	94.87	24.02
23 11 23 00-0260	EA	36" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-36)	101.23	25.17
23 11 23 00-0261	EA	48" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-48)	108.48	26.32
23 11 23 00-0262	EA	60" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-60)	116.06	26.32
23 11 23 00-0263		1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		
23 11 23 00-0264	EA	12" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-12)	86.09	22.89
23 11 23 00-0265	EA	18" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-18)	90.55	24.02
23 11 23 00-0266	EA	24" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-24)	94.87	24.02
23 11 23 00-0267	EA	30" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-30)	97.61	25.17
23 11 23 00-0268	EA	36" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-36)	101.23	25.17
23 11 23 00-0269	EA	48" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-48)	108.48	26.32
23 11 23 00-0270	EA	60" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-60)	116.06	26.32
23 11 23 00-0271	EA	72" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-72)	123.00	27.46
23 11 23 00-0272		1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		
23 11 23 00-0273	EA	12" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-12)	71.14	22.89
23 11 23 00-0274	EA	18" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-18)	75.63	24.02
23 11 23 00-0275	EA	24" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-24)	79.96	24.02
23 11 23 00-0276	EA	30" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-30)	82.68	25.17
23 11 23 00-0277	EA	36" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-36)	86.29	25.17
23 11 23 00-0278	EA	48" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-48)	93.53	26.32
23 11 23 00-0279	EA	72" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-72)	108.02	27.46
23 11 23 00-0280		1/2" FIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		
23 11 23 00-0281	EA	18" Length, 1/2" FIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC5K-18)	84.04	24.02
23 11 23 00-0282	EA	24" Length, 1/2" FIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC5K-24)	89.30	24.02
23 11 23 00-0283		Quarter-Turn, Gas Ball Valve (23 11 23)		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 11 23 00-0284	EA	3/8" FIP x FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top™ T-3000 102-102).....	44.74	12.18
23 11 23 00-0285	EA	1/2" FIP x FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-103).....	45.16	12.43
23 11 23 00-0286	EA	3/4" FIP x FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-104).....	64.58	13.67
23 11 23 00-0287	EA	3/8" Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-112).....	44.38	12.18
23 11 23 00-0288	EA	1/2" Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-113).....	46.86	12.43
23 11 23 00-0289	EA	1/2" Flare x 3/4" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-118).....	51.86	12.43
23 11 23 00-0290	EA	5/8" Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-121).....	56.67	13.04
23 11 23 00-0291	EA	5/8" (7/8" -14) Flare x 3/4" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-114).....	59.22	13.04
23 11 23 00-0292	EA	5/8" (15/16" -16) Flare x 3/4" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-115).....	59.22	13.04
23 11 23 00-0293	EA	3/8" Flare x Flare, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-312).....	46.28	12.18
23 11 23 00-0294	EA	1/2" Flare x Flare, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-313).....	48.76	12.43
23 11 23 00-0295	EA	5/8" Flare x Flare, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-314).....	60.57	13.04
23 11 23 00-0296	EA	1/2" FIP x 1/8" Texas Pattern, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-413).....	49.01	12.43
23 11 23 00-0297	EA	3/4" FIP x 1/8" Texas Pattern, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-414).....	66.02	13.67
23 11 23 00-0298	EA	3/8" (9/16" -24) Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-119).....	46.19	12.18
23 11 23 00-0299	EA	3/8" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-612).....	44.13	12.18
23 11 23 00-0300	EA	1/2" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-613).....	45.15	12.43
23 11 23 00-0301	EA	3/4" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-614).....	61.83	13.67
23 11 23 00-0302	EA	1" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-615).....	83.19	15.53
23 11 23 00-0303	EA	1-1/4" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-616).....	118.01	16.15
23 11 23 00-0304	EA	1-1/2" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-617).....	139.90	18.64
23 11 23 00-0305	EA	2" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-618).....	172.15	22.36
23 11 23 00-0306	EA	1/2" Flathead, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3002 102-713).....	46.25	12.43
23 11 23 00-0307	EA	3/4" Flathead, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3002 102-714).....	61.50	13.67

23 11 23 00-0308 Gas Stops (23 11 23)**23 11 23 00-0309 Brass/Bronze Gas Stops** (23 11 23 00-0308)

Note: Flat or square head

23 11 23 00-0310	EA	3/8" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596).....	56.92	12.43
23 11 23 00-0311	EA	1/2" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596).....	56.95	12.43
23 11 23 00-0312	EA	3/4" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596).....	74.72	13.67
23 11 23 00-0313	EA	1" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596).....	105.26	15.53
23 11 23 00-0314	EA	1-1/4" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596).....	140.11	16.53
23 11 23 00-0315	EA	1-1/2" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596).....	176.71	19.13
23 11 23 00-0316	EA	2" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596).....	245.46	22.61

23 11 23 00-0317 Iron Body Gas Stops (23 11 23 00-0308)

23 11 23 00-0318	EA	1/2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B).....	77.03	12.43
23 11 23 00-0319	EA	3/4" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B).....	94.47	13.67
23 11 23 00-0320	EA	1" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B).....	117.17	15.53
23 11 23 00-0321	EA	1-1/4" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B).....	151.68	16.53
23 11 23 00-0322	EA	1-1/2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B).....	191.25	19.13
23 11 23 00-0323	EA	2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B).....	248.76	22.61
23 11 23 00-0324	EA	2-1/2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B).....	483.91	30.55
23 11 23 00-0325	EA	3" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B).....	650.03	35.47

23 11 23 00-0326 Bronze Body Solenoid Valves, 150 PSI Gas (23 11 23)

23 11 23 00-0327	EA	1/4" Solenoid Valve, Bronze, 150 PSI, Gas.....	198.52	12.43
23 11 23 00-0328	EA	1/2" Solenoid Valve, Bronze, 150 PSI, Gas.....	231.51	12.43
23 11 23 00-0329	EA	3/4" Solenoid Valve, Bronze, 150 PSI, Gas.....	294.74	13.67
23 11 23 00-0330	EA	1" Solenoid Valve, Bronze, 150 PSI, Gas.....	442.44	15.53
23 11 23 00-0331	EA	1-1/2" Solenoid Valve, Bronze, 150 PSI, Gas.....	791.66	19.13
23 11 23 00-0332	EA	2" Solenoid Valve, Bronze, 150 PSI, Gas.....	1,348.38	22.61
23 11 23 00-0333	EA	2-1/2" Solenoid Valve, Bronze, 150 PSI, Gas.....	1,670.23	30.55
23 11 23 00-0334	EA	3" Solenoid Valve, Bronze, 150 PSI, Gas.....	2,517.76	35.47

23 11 26 Facility Liquefied-Petroleum Gas Piping (23 11)**23 11 26 00-0001 Fiberglass Reinforced Plastic Pipe And Fittings** (23 11 26)**23 11 26 00-0002 Fiberglass Reinforced Plastic Pipe** (23 11 26 00-0001)

Note: For double containment fiberglass pipe, select both outer containment pipe size and inner containment pipe size (add modifier for use as inner pipe).

23 11 26 00-0003	LF	2" Fiberglass Reinforced Plastic Pipe.....	23.10	8.24
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-9.23	
23 11 26 00-0004	LF	3" Fiberglass Reinforced Plastic Pipe.....	27.68	9.84
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-11.07	
23 11 26 00-0005	LF	4" Fiberglass Reinforced Plastic Pipe.....	36.59	14.53
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-16.31	
23 11 26 00-0006	LF	5" Fiberglass Reinforced Plastic Pipe.....	43.00	16.70
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-18.37	
23 11 26 00-0007	LF	6" Fiberglass Reinforced Plastic Pipe.....	50.19	18.65
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-21.02	
23 11 26 00-0008	LF	8" Fiberglass Reinforced Plastic Pipe.....	67.83	21.60
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-24.26	
23 11 26 00-0009	LF	10" Fiberglass Reinforced Plastic Pipe.....	90.35	25.69
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-28.94	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 26 00-0010	LF	12" Fiberglass Reinforced Plastic Pipe..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	236.85 -36.41	32.35
23 11 26 00-0011		Fiberglass Reinforced Plastic Fittings (23 11 26 00-0001)		
23 11 26 00-0012		Fiberglass Reinforced Plastic Flanged 90 Degree Elbows (23 11 26 00-0011)		
23 11 26 00-0013	EA	2" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	176.73 -92.27	82.04
23 11 26 00-0014	EA	3" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	208.50 -110.73	98.51
23 11 26 00-0015	EA	4" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	249.78 -128.63	114.42
23 11 26 00-0016	EA	5" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	301.77 -140.96	127.79
23 11 26 00-0017	EA	6" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	364.30 -161.21	143.37
23 11 26 00-0018	EA	8" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	524.22 -201.52	179.16
23 11 26 00-0019	EA	10" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	674.88 -242.69	215.81
23 11 26 00-0020	EA	12" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	1,744.38 -300.93	267.61
23 11 26 00-0021		Fiberglass Reinforced Plastic Flanged 45 Degree Elbows (23 11 26 00-0011)		
23 11 26 00-0022	EA	2" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	177.14 -92.27	82.04
23 11 26 00-0023	EA	3" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	208.62 -110.73	98.51
23 11 26 00-0024	EA	4" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	250.17 -128.73	114.53
23 11 26 00-0025	EA	5" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	314.10 -150.18	136.05
23 11 26 00-0026	EA	6" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	364.15 -161.21	143.37
23 11 26 00-0027	EA	8" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	524.22 -201.52	179.16
23 11 26 00-0028	EA	10" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	1,318.01 -242.69	215.81
23 11 26 00-0029	EA	12" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	1,744.38 -300.93	267.61
23 11 26 00-0030		Fiberglass Reinforced Plastic Flanged Tees (23 11 26 00-0011)		
23 11 26 00-0031	EA	2" Fiberglass Reinforced Plastic Flanged Tee..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	391.27 -138.41	123.12
23 11 26 00-0032	EA	3" Fiberglass Reinforced Plastic Flanged Tee..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	485.30 -166.70	148.29
23 11 26 00-0033	EA	4" Fiberglass Reinforced Plastic Flanged Tee..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	551.38 -193.11	171.74
23 11 26 00-0034	EA	5" Fiberglass Reinforced Plastic Flanged Tee..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	705.26 -225.35	204.01
23 11 26 00-0035	EA	6" Fiberglass Reinforced Plastic Flanged Tee..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	839.16 -242.69	215.81
23 11 26 00-0036	EA	8" Fiberglass Reinforced Plastic Flanged Tee..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	1,056.98 -300.93	267.61
23 11 26 00-0037	EA	10" Fiberglass Reinforced Plastic Flanged Tee..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	1,728.81 -364.04	323.71
23 11 26 00-0038	EA	12" Fiberglass Reinforced Plastic Flanged Tee..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	2,324.88 -442.54	393.58
23 11 26 00-0039		Fiberglass Reinforced Plastic Flanged Wyes (23 11 26 00-0011)		
23 11 26 00-0040	EA	2" Fiberglass Reinforced Plastic Flanged Wye..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	531.19 -138.41	123.12
23 11 26 00-0041	EA	3" Fiberglass Reinforced Plastic Flanged Wye..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	685.28 -166.49	148.06
23 11 26 00-0042	EA	4" Fiberglass Reinforced Plastic Flanged Wye..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	805.74 -193.09	171.74
23 11 26 00-0043	EA	5" Fiberglass Reinforced Plastic Flanged Wye..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	921.85 -225.35	204.01
23 11 26 00-0044	EA	6" Fiberglass Reinforced Plastic Flanged Wye..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	1,018.01 -242.69	215.81
23 11 26 00-0045	EA	8" Fiberglass Reinforced Plastic Flanged Wye..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	1,339.82 -300.93	267.61
23 11 26 00-0046	EA	10" Fiberglass Reinforced Plastic Flanged Wye..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	2,085.57 -364.04	323.71
23 11 26 00-0047	EA	12" Fiberglass Reinforced Plastic Flanged Wye..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	2,713.77 -442.54	393.58
23 11 26 00-0048		Fiberglass Reinforced Plastic Flanged Concentric Reducers (23 11 26 00-0011)		
23 11 26 00-0049	EA	2" Fiberglass Reinforced Plastic Flanged Concentric Reducer..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	298.19 -92.27	82.04
23 11 26 00-0050	EA	3" Fiberglass Reinforced Plastic Flanged Concentric Reducer..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	389.14 -110.73	98.51

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 11 26 00-0051	EA	4" Fiberglass Reinforced Plastic Flanged Concentric Reducer.....	424.54	114.53
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-128.73	
23 11 26 00-0052	EA	5" Fiberglass Reinforced Plastic Flanged Concentric Reducer.....	492.50	136.05
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-150.18	
23 11 26 00-0053	EA	6" Fiberglass Reinforced Plastic Flanged Concentric Reducer.....	546.50	143.37
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-161.21	
23 11 26 00-0054	EA	8" Fiberglass Reinforced Plastic Flanged Concentric Reducer.....	730.84	179.16
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-201.52	
23 11 26 00-0055	EA	10" Fiberglass Reinforced Plastic Flanged Concentric Reducer.....	938.78	215.81
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-242.69	
23 11 26 00-0056	EA	12" Fiberglass Reinforced Plastic Flanged Concentric Reducer.....	1,292.48	267.61
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-300.93	

23 11 26 00-0057 Fiberglass Reinforced Plastic Bell x Male Or Female Adapters (23 11 26 00-0011)

23 11 26 00-0058	EA	2" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	235.66	82.04
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-92.27	
23 11 26 00-0059	EA	3" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	269.71	98.51
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-110.73	
23 11 26 00-0060	EA	4" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	305.23	114.53
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-128.73	
23 11 26 00-0061	EA	4" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	375.63	136.05
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-150.18	
23 11 26 00-0062	EA	6" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	432.15	143.37
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-161.21	
23 11 26 00-0063	EA	8" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	415.75	179.16
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-201.52	
23 11 26 00-0064	EA	10" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	534.90	215.81
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-242.69	
23 11 26 00-0065	EA	12" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	860.74	267.61
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-300.93	

23 11 26 00-0066 Fiberglass Reinforced Plastic Nipples (23 11 26 00-0011)

23 11 26 00-0067	EA	2" x 6" Fiberglass Reinforced Plastic Nipple	45.85	9.84
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-11.07	
23 11 26 00-0068	EA	2" x 12" Fiberglass Reinforced Plastic Nipple	91.64	19.68
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-22.09	
23 11 26 00-0069	EA	3" x 8" Fiberglass Reinforced Plastic Nipple	158.54	15.10
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-16.99	
23 11 26 00-0070	EA	3" x 12" Fiberglass Reinforced Plastic Nipple	182.14	20.10
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-22.60	
23 11 26 00-0071	EA	4" x 8" Fiberglass Reinforced Plastic Nipple	171.21	14.29
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-16.13	
23 11 26 00-0072	EA	4" x 12" Fiberglass Reinforced Plastic Nipple	204.98	21.50
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-24.18	
23 11 26 00-0073	EA	6" x 12" Fiberglass Reinforced Plastic Nipple	255.47	24.08
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-26.60	
23 11 26 00-0074	EA	6" x 12" Fiberglass Reinforced Plastic Nipple	305.91	25.79
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-29.05	
23 11 26 00-0075	EA	8" x 18" Fiberglass Reinforced Plastic Nipple	157.08	30.10
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-33.86	
23 11 26 00-0076	EA	8" x 24" Fiberglass Reinforced Plastic Nipple	213.69	42.99
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-48.33	
23 11 26 00-0077	EA	10" x 18" Fiberglass Reinforced Plastic Nipple	269.40	30.63
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-34.40	
23 11 26 00-0078	EA	10" x 24" Fiberglass Reinforced Plastic Nipple	404.41	45.79
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-51.53	
23 11 26 00-0079	EA	12" x 18" Fiberglass Reinforced Plastic Nipple	315.76	31.60
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-35.49	
23 11 26 00-0080	EA	12" x 24" Fiberglass Reinforced Plastic Nipple	411.52	47.29
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-53.24	

23 11 26 00-0081 Fiberglass Reinforced Plastic Sleeve Couplings (23 11 26 00-0011)

23 11 26 00-0082	EA	2" Fiberglass Reinforced Plastic Sleeve Coupling	151.59	82.04
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-92.27	
23 11 26 00-0083	EA	3" Fiberglass Reinforced Plastic Sleeve Coupling	182.42	98.51
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-110.73	
23 11 26 00-0084	EA	4" Fiberglass Reinforced Plastic Sleeve Coupling	210.80	114.53
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-128.73	
23 11 26 00-0085	EA	5" Fiberglass Reinforced Plastic Sleeve Coupling	254.37	136.05
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-150.18	
23 11 26 00-0086	EA	6" Fiberglass Reinforced Plastic Sleeve Coupling	284.05	143.37
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-161.21	
23 11 26 00-0087	EA	8" Fiberglass Reinforced Plastic Sleeve Coupling	370.03	179.16
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-201.52	
23 11 26 00-0088	EA	10" Fiberglass Reinforced Plastic Sleeve Coupling	477.90	215.81
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-242.69	
23 11 26 00-0089	EA	12" Fiberglass Reinforced Plastic Sleeve Coupling	583.20	267.61
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-300.93	

23 11 26 00-0090 Fiberglass Reinforced Plastic Flanges (23 11 26 00-0011)

23 11 26 00-0091	EA	2" Fiberglass Reinforced Plastic Flange	155.16	82.04
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-92.27	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 26 00-0092	EA	3" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	187.14 -110.73	98.51
23 11 26 00-0093	EA	4" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	214.37 -120.70	107.37
23 11 26 00-0094	EA	5" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	259.72 -141.06	127.79
23 11 26 00-0095	EA	6" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	304.78 -161.21	143.37
23 11 26 00-0096	EA	8" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	379.27 -192.90	171.53
23 11 26 00-0097	EA	10" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	510.14 -242.69	215.81
23 11 26 00-0098	EA	12" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	712.18 -300.93	267.61
23 11 26 00-0099		Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing And Fittings (23 11 26)		
23 11 26 00-0100		Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing (23 11 26 00-0099)		
23 11 26 00-0101	LF	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	142.43	35.35
23 11 26 00-0102	LF	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	169.82	41.88
23 11 26 00-0103	LF	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	215.69	61.79
23 11 26 00-0104	LF	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	303.89	80.10
23 11 26 00-0105	LF	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	432.65	92.43
23 11 26 00-0106	LF	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	593.43	109.63
23 11 26 00-0107	LF	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	758.61	138.32
23 11 26 00-0108		Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Fittings (23 11 26 00-0099)		
23 11 26 00-0109		Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbows (23 11 26 00-0108)		
23 11 26 00-0110	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	2,553.62	437.54
23 11 26 00-0111	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	2,938.08	525.19
23 11 26 00-0112	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	3,681.10	610.32
23 11 26 00-0113	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	6,423.72	764.47
23 11 26 00-0114	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	10,462.84	955.77
23 11 26 00-0115	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	14,137.97	1,149.87
23 11 26 00-0116	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	18,902.09	1,423.93
23 11 26 00-0117		Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbows (23 11 26 00-0108)		
23 11 26 00-0118	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	2,557.74	437.54
23 11 26 00-0119	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	2,930.84	525.19
23 11 26 00-0120	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	3,675.41	610.32
23 11 26 00-0121	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	6,390.27	764.47
23 11 26 00-0122	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	10,414.41	955.77
23 11 26 00-0123	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	14,072.20	1,150.42
23 11 26 00-0124	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	18,817.03	1,427.16
23 11 26 00-0125		Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tees (23 11 26 00-0108)		
23 11 26 00-0126	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	3,550.74	656.32
23 11 26 00-0127	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	4,451.92	790.99
23 11 26 00-0128	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	5,022.46	915.94
23 11 26 00-0129	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	8,127.32	1,150.95
23 11 26 00-0130	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	10,281.76	1,427.16
23 11 26 00-0131	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	18,024.59	1,724.43
23 11 26 00-0132	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	24,675.49	2,090.82
23 11 26 00-0133		Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wyes (23 11 26 00-0108)		
23 11 26 00-0134	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	5,288.11	656.32
23 11 26 00-0135	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	6,937.10	790.08
23 11 26 00-0136	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	8,181.18	915.94

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

23 11 26 00-0137	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	10,348.01	1,150.95
23 11 26 00-0138	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	13,793.68	1,427.16
23 11 26 00-0139	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	22,454.25	1,724.43
23 11 26 00-0140	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	29,504.08	2,090.82

23 11 26 00-0141 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducers (23 11 26 00-0108)

23 11 26 00-0142	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	2,830.86	437.54
23 11 26 00-0143	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	3,785.94	525.19
23 11 26 00-0144	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	4,055.20	610.32
23 11 26 00-0145	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	5,262.91	764.47
23 11 26 00-0146	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	7,171.32	955.77
23 11 26 00-0147	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	9,362.64	1,149.87
23 11 26 00-0148	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	13,201.10	1,423.93

23 11 26 00-0149 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapters (23 11 26 00-0108)

23 11 26 00-0150	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	2,054.41	437.54
23 11 26 00-0151	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	2,303.10	525.19
23 11 26 00-0152	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	2,573.79	610.32
23 11 26 00-0153	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	3,842.99	764.47
23 11 26 00-0154	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	3,259.03	955.77
23 11 26 00-0155	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	4,347.86	1,149.87
23 11 26 00-0156	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	7,840.29	1,423.93

23 11 26 00-0157 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipples (23 11 26 00-0108)

23 11 26 00-0158	EA	2" x 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	464.82	52.52
23 11 26 00-0159	EA	2" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	929.23	104.80
23 11 26 00-0160	EA	3" x 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	1,808.16	80.55
23 11 26 00-0161	EA	3" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	2,048.16	107.15
23 11 26 00-0162	EA	4" x 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	1,973.56	76.42
23 11 26 00-0163	EA	4" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	2,316.82	114.68
23 11 26 00-0164	EA	6" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	3,524.01	137.79
23 11 26 00-0165	EA	8" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	1,630.66	160.57
23 11 26 00-0166	EA	8" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	2,196.88	229.24
23 11 26 00-0167	EA	10" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	3,020.17	163.15
23 11 26 00-0168	EA	10" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	4,534.59	244.40
23 11 26 00-0169	EA	12" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	3,585.47	168.31
23 11 26 00-0170	EA	12" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	4,606.88	252.45

23 11 26 00-0171 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanges (23 11 26 00-0108)

23 11 26 00-0172	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange.....	1,521.72	572.42
23 11 26 00-0173	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange.....	2,261.48	764.47
23 11 26 00-0174	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange.....	2,887.59	915.05
23 11 26 00-0175	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange.....	4,040.44	1,149.87
23 11 26 00-0176	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange.....	5,995.70	1,423.93

23 12 Facility Fuel Pumps (23 10)**23 12 13 Facility Fuel-Oil Pumps** (23 12)**23 12 13 00-0001 Cast Iron Internal Gear Rotary Pump** (23 12 13)

Note: Heavy-duty type with relief valve, 1150 RPM drip-proof motor, common base plate. For viscosity to 20 centipoise; diesel oil, and light oil.

23 12 13 00-0002 10 GPM 1" Discharge (23 12 13 00-0001)

23 12 13 00-0003	EA	10 GPM Cast Iron Rotary Pump, 20 PSI 1/2 HP With 1" Discharge	1,492.12	331.99
23 12 13 00-0004	EA	10 GPM Cast Iron Rotary Pump, 40 PSI 3/4 HP With 1" Discharge	1,573.26	401.82
23 12 13 00-0005	EA	10 GPM Cast Iron Rotary Pump, 60 PSI 1 HP With 1" Discharge	1,728.05	477.38

23 12 13 00-0006 25 GPM 1-1/4" Discharge (23 12 13 00-0001)

23 12 13 00-0007	EA	25 GPM Cast Iron Rotary Pump, 20 PSI 1 HP With 1-1/4" Discharge	1,628.00	331.99
23 12 13 00-0008	EA	25 GPM Cast Iron Rotary Pump, 40 PSI 1.5 HP With 1-1/4" Discharge	1,717.57	401.82

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 12 13 00-0009	EA	25 GPM Cast Iron Rotary Pump, 60 PSI 2 HP With 1-1/4" Discharge	1,806.95	477.38
23 12 13 00-0010		Pump, Fuel Oil, 2 Stage 3450 RPM 100 PSI (23 12 13)		
23 12 13 00-0011	EA	1/4 HP Pump Fuel Oil/Diesel	1,130.00	186.03
23 12 13 00-0012	EA	1/3 HP Pump Fuel Oil/Diesel	1,325.08	208.36
23 12 13 00-0013	EA	1/2 HP Pump Fuel Oil/Diesel	1,450.71	233.54
23 12 13 00-0014	EA	3/4 HP Pump Fuel Oil/Diesel	1,585.50	263.30
23 12 13 00-0015	EA	1 HP Pump Fuel Oil/Diesel	2,204.27	293.07
23 12 13 00-0016	EA	1-1/2 HP Pump Fuel Oil/Diesel	2,685.76	327.98
23 12 13 00-0017	EA	2 HP Pump Fuel Oil/Diesel	2,977.70	367.47
23 12 13 00-0018	EA	3 HP Pump Fuel Oil/Diesel	3,618.25	410.98
23 12 13 00-0019	EA	5 HP Pump Fuel Oil/Diesel	4,257.16	460.78
23 12 13 00-0020	EA	7.5 HP Pump Fuel Oil/Diesel	4,766.79	516.88
23 12 13 00-0021	EA	10 HP Pump Fuel Oil/Diesel	5,344.32	579.37
23 12 23		Facility Natural-Gas Pumps (23 12)		
23 12 23 00-0001		Natural Gas Booster Pump (23 12 23)		
23 12 23 00-0002	EA	Natural Gas Booster Pump, 3/4" Outlet Size	1,257.90	171.72
23 12 23 00-0003	EA	Natural Gas Booster Pump, 1" Outlet Size	1,492.87	191.75
23 12 23 00-0004	EA	Natural Gas Booster Pump, 1-1/4" Outlet Size	1,674.91	200.34
23 12 23 00-0005	EA	Natural Gas Booster Pump, 1-1/2" Outlet Size	1,901.92	208.92
23 12 23 00-0006	EA	Natural Gas Booster Pump, 2" Outlet Size	2,153.24	214.65
23 13		Facility Fuel-Storage Tanks (23 10)		
23 13 13		Facility Underground Fuel-Oil, Storage Tanks (23 13)		
23 13 13 13		Double-Wall Steel, Underground Fuel-Oil, Storage Tanks (23 13 13)		
23 13 13 13-0001		Coated Underground Double Wall Storage Tanks (23 13 13 13)		
Note: Includes setting in place with hold down bars and manway and 4" NPT connections as follows: up to 1000 gallon, 4 each: all others 6 each. Excludes excavation, pad, plastic lining, pumps and piping.				
23 13 13 13-0002	EA	250 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	16,814.01	770.69
23 13 13 13-0003	EA	550 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	18,169.28	770.69
23 13 13 13-0004	EA	1,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	26,263.73	963.31
23 13 13 13-0005	EA	2,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	35,937.48	1,881.57
23 13 13 13-0006	EA	3,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	57,253.74	2,419.04
23 13 13 13-0007	EA	4,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	63,777.88	2,778.33
23 13 13 13-0008	EA	5,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	68,810.56	3,673.54
23 13 13 13-0009	EA	6,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	71,147.84	3,944.17
23 13 13 13-0010	EA	8,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	86,842.53	4,659.55
23 13 13 13-0011	EA	10,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	100,577.03	5,374.44
23 13 13 13-0012	EA	12,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	128,713.61	5,910.22
23 13 13 13-0013	EA	14,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	152,577.81	7,175.96
23 13 13 13-0014	EA	15,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	157,591.27	7,615.55
23 13 13 13-0015	EA	20,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	193,213.51	12,079.86
23 13 13 13-0016	EA	25,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	237,406.03	15,664.62
23 13 13 13-0017	EA	30,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	279,748.21	17,923.18
23 13 13 13-0018	EA	40,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	360,005.17	19,267.42
23 13 13 13-0019	EA	48,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	488,064.08	19,761.50
23 13 13 23		Glass-Fiber-Reinforced-Plastic, Underground Fuel-Oil, Storage Tanks (23 13 13)		
23 13 13 23-0001		Underground Fiberglass Storage Tanks (23 13 13 23)		
23 13 13 23-0002		Single Wall Fiberglass Underground Storage Tanks (23 13 13 23-0001)		
Note: Includes setting in place with hold down bars, fittings, bumper pads, flow channels, monitoring fitting, tank bottom deflector gauge plates, manway, anchor straps and 4" NPT tank mounted fitting connections as follows: 550 gallon or 1,000 gallon, 4 each: all others 6 each. Excludes excavation and backfill.				
23 13 13 23-0003	EA	550 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	4,513.96	770.69
23 13 13 23-0004	EA	1,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	5,670.67	963.31
23 13 13 23-0005	EA	2,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	7,372.77	1,191.89
23 13 13 23-0006	EA	2,500 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	8,363.71	1,451.78
23 13 13 23-0007	EA	3,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	9,350.92	1,702.70
23 13 13 23-0008	EA	4,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	11,360.01	2,240.39
23 13 13 23-0009	EA	5,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	13,473.05	3,405.40
23 13 13 23-0010	EA	6,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	15,196.55	4,301.56
23 13 13 23-0011	EA	8,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	18,260.63	4,839.26
23 13 13 23-0012	EA	10,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	20,526.36	5,735.42
23 13 13 23-0013	EA	12,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	26,502.01	6,810.81
23 13 13 23-0014	EA	15,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	32,563.52	8,513.51
23 13 13 23-0015	EA	20,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	41,057.09	11,381.22
23 13 13 23-0016	EA	25,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	61,598.68	14,159.32
23 13 13 23-0017	EA	30,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	75,545.94	17,027.02
23 13 13 23-0018	EA	40,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	107,791.17	24,644.37
23 13 13 23-0019	EA	50,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	153,820.57	31,365.56
23 13 13 23-0020		Double Wall Fiberglass Underground Storage Tanks (23 13 13 23-0001)		
Note: Includes setting in place with hold down bars, fittings, bumper pads, flow channels, monitoring fitting, tank bottom deflector gauge plates, manway, anchor straps and 4" NPT tank mounted fitting connections as follows: 550 gallon or 1,000 gallon, 4 each: all others 6 each. Excludes excavation and backfill.				

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 13 Facility Fuel-Storage Tanks**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 13 13 23-0021	EA	550 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	8,768.35	770.69
23 13 13 23-0022	EA	1,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	11,561.45	963.31
23 13 13 23-0023	EA	2,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	13,861.06	1,165.01
23 13 13 23-0024	EA	3,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	18,005.50	1,702.82
23 13 13 23-0025	EA	4,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	20,194.90	2,240.39
23 13 13 23-0026	EA	5,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	23,185.41	3,405.40
23 13 13 23-0027	EA	6,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	25,774.37	4,301.56
23 13 13 23-0028	EA	8,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	31,723.31	4,839.26
23 13 13 23-0029	EA	10,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	33,989.04	5,735.42
23 13 13 23-0030	EA	12,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	41,166.71	6,810.81
23 13 13 23-0031	EA	15,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	56,664.12	8,513.51
23 13 13 23-0032	EA	20,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	70,146.10	11,381.22
23 13 13 23-0033	EA	30,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	108,481.43	17,027.02

23 13 13 23-0034 Underground Storage Tank Pump Enclosures (23 13 13)

23 13 13 23-0035	EA	Secondary Containment Collar	3,796.82	
23 13 13 23-0036	EA	Turbine Enclosure With Lid 4' Long x 42" Diameter	3,796.82	
23 13 13 23-0037	EA	Fitting Kit For Turbine Enclosure	759.36	
23 13 13 23-0038	EA	Grommet Kits For Plumbing And Electrical	1,518.73	
23 13 13 23-0039	EA	Turbine Electrical Coupling Kit	1,898.41	

23 13 23 Facility Aboveground Fuel-Oil, Storage Tanks (23 13)**23 13 23 13 Vertical, Steel, Aboveground Fuel-Oil, Storage Tanks (23 13 23)****23 13 23 13-0001 Vertical Rectangular Double Wall Steel Fuel Day Tank (23 13 23 13)**

Note: Includes day tank with standard equipment, pump, pump control, level control, backup level control, level alarms, alarm outputs.

23 13 23 13-0002	EA	10 Gallon Double Wall Steel Day Tank (Tramont TRX)	1,196.64	149.17
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0003	EA	15 Gallon Double Wall Steel Day Tank (Tramont TRX)	1,284.50	156.63
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0004	EA	25 Gallon Double Wall Steel Day Tank (Tramont TRX)	1,394.01	167.81
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0005	EA	50 Gallon Double Wall Steel Day Tank (Tramont TRX)	1,599.51	179.01
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0006	EA	60 Gallon Double Wall Steel Day Tank (Tramont TRX)	1,781.66	186.46
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0007	EA	75 Gallon Double Wall Steel Day Tank (Tramont TRX)	2,100.96	223.76
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0008	EA	100 Gallon Double Wall Steel Day Tank (Tramont TRX)	2,821.41	261.05
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0009	EA	150 Gallon Double Wall Steel Day Tank (Tramont TRX)	3,565.87	298.34
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0010	EA	200 Gallon Double Wall Steel Day Tank (Tramont TRX)	4,567.46	335.63
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0011	EA	275 Gallon Double Wall Steel Day Tank (Tramont TRX)	5,090.77	372.93
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0012	EA	300 Gallon Double Wall Steel Day Tank (Tramont TRX)	5,828.81	447.51
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0013	EA	350 Gallon Double Wall Steel Day Tank (Tramont TRX)	6,532.56	522.09
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0014	EA	400 Gallon Double Wall Steel Day Tank (Tramont TRX)	7,256.88	596.69
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0015	EA	450 Gallon Double Wall Steel Day Tank (Tramont TRX)	8,049.33	633.98
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0016	EA	500 Gallon Double Wall Steel Day Tank (Tramont TRX)	8,846.93	671.27
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0017	EA	550 Gallon Double Wall Steel Day Tank (Tramont TRX)	9,752.53	708.56
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0018	EA	600 Gallon Double Wall Steel Day Tank (Tramont TRX)	10,544.99	745.85
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0019	EA	700 Gallon Double Wall Steel Day Tank (Tramont TRX)	11,753.63	895.02
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0020	EA	800 Gallon Double Wall Steel Day Tank (Tramont TRX)	12,678.52	969.60
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0021	EA	900 Gallon Double Wall Steel Day Tank (Tramont TRX)	13,923.16	1,118.78
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0022	EA	1,000 Gallon Double Wall Steel Day Tank (Tramont TRX)	15,172.94	1,267.95
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0023	EA	10 Gallon Double Wall Steel Day Tank (Tramont UTRX)	1,446.93	149.17
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0024	EA	15 Gallon Double Wall Steel Day Tank (Tramont UTRX)	1,536.50	156.63
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0025	EA	25 Gallon Double Wall Steel Day Tank (Tramont UTRX)	1,646.01	167.81
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0026	EA	50 Gallon Double Wall Steel Day Tank (Tramont UTRX)	1,849.80	179.01
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0027	EA	60 Gallon Double Wall Steel Day Tank (Tramont UTRX)	2,031.95	186.46
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0028	EA	75 Gallon Double Wall Steel Day Tank (Tramont UTRX)	2,352.97	223.76
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0029	EA	100 Gallon Double Wall Steel Day Tank (Tramont UTRX)	3,097.42	261.05
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0030	EA	150 Gallon Double Wall Steel Day Tank (Tramont UTRX)	3,841.88	298.34
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		

MINOR		DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
CSI	UOM			
23 13 23 13-0031	EA	200 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	4,843.47	335.63
23 13 23 13-0032	EA	275 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	5,366.78	372.93
23 13 23 13-0033	EA	300 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	6,104.81	447.51
23 13 23 13-0034	EA	350 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	6,808.56	522.09
23 13 23 13-0035	EA	400 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	7,532.89	596.69
23 13 23 13-0036	EA	450 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	8,325.34	633.98
23 13 23 13-0037	EA	500 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	9,122.94	671.27
23 13 23 13-0038	EA	550 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	10,030.25	708.56
23 13 23 13-0039	EA	600 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	10,822.71	745.85
23 13 23 13-0040	EA	700 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	12,029.63	895.02
23 13 23 13-0041	EA	800 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	12,954.52	969.60
23 13 23 13-0042	EA	900 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	14,199.16	1,118.78
23 13 23 13-0043	EA	1,000 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	15,448.95	1,267.95
23 13 23 13-0044	EA	10 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,394.95	149.17
23 13 23 13-0045	EA	15 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,474.24	156.63
23 13 23 13-0046	EA	25 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,546.03	167.81
23 13 23 13-0047	EA	50 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,818.39	179.01
23 13 23 13-0048	EA	60 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,921.68	186.46
23 13 23 13-0049	EA	75 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,230.70	223.76
23 13 23 13-0050	EA	100 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,887.72	261.05
23 13 23 13-0051	EA	150 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,903.04	298.34
23 13 23 13-0052	EA	200 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	5,513.76	335.63
23 13 23 13-0053	EA	275 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	7,199.39	372.93
23 13 23 13-0054	EA	300 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,139.71	447.51
23 13 23 13-0055	EA	350 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,709.75	522.09
23 13 23 13-0056	EA	400 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	9,482.07	596.69
23 13 23 13-0057	EA	450 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	10,238.52	633.98
23 13 23 13-0058	EA	500 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,234.98	671.27
23 13 23 13-0059	EA	550 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,652.00	708.56
23 13 23 13-0060	EA	600 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	12,026.16	745.85
23 13 23 13-0061	EA	700 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	13,761.10	895.02
23 13 23 13-0062	EA	800 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	15,435.14	969.60
23 13 23 13-0063	EA	900 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	17,272.94	1,118.78
23 13 23 13-0064	EA	1,000 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	19,139.88	1,267.95
23 13 23 13-0065	EA	10 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,526.40	149.17
23 13 23 13-0066	EA	15 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,605.69	156.63
23 13 23 13-0067	EA	25 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,677.48	167.81
23 13 23 13-0068	EA	50 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,949.84	179.01
23 13 23 13-0069	EA	60 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,053.13	186.46
23 13 23 13-0070	EA	75 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,362.15	223.76
23 13 23 13-0071	EA	100 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	5,019.17	261.05
23 13 23 13-0072	EA	150 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	6,034.49	298.34
23 13 23 13-0073	EA	200 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	6,720.65	335.63
23 13 23 13-0074	EA	275 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	7,936.54	372.93

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 13 Facility Fuel-Storage Tanks**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 13 23 13-0075	EA	300 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE).....	8,876.87	447.51
		Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0076	EA	350 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE).....	9,448.62	522.09
		Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0077	EA	400 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE).....	10,219.23	596.69
		Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0078	EA	450 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE).....	10,977.39	633.98
		Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0079	EA	500 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE).....	11,972.14	671.27
		Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0080	EA	550 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE).....	12,389.15	708.56
		Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0081	EA	600 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE).....	12,763.32	745.85
		Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0082	EA	700 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE).....	14,498.26	895.02
		Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0083	EA	800 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE).....	16,174.02	969.60
		Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0084	EA	900 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE).....	18,010.10	1,118.78
		Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0085	EA	1,000 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE).....	19,877.03	1,267.95
		Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0086	EA	10 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS).....	4,158.98	149.17
		Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0087	EA	15 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS).....	4,246.84	156.63
		Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0088	EA	25 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS).....	4,320.35	167.81
		Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0089	EA	50 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS).....	4,601.28	179.01
		Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0090	EA	60 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS).....	4,752.57	186.46
		Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0091	EA	75 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS).....	5,034.17	223.76
		Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0092	EA	100 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS).....	5,716.90	261.05
		Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0093	EA	150 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS).....	6,780.22	298.34
		Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0094	EA	200 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS).....	7,413.23	335.63
		Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0095	EA	275 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS).....	9,164.00	372.93
		Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0096	EA	300 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS).....	10,152.32	447.51
		Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0097	EA	350 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS).....	10,669.21	522.09
		Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0098	EA	400 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS).....	11,544.40	596.69
		Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0099	EA	450 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS).....	12,458.56	633.98
		Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0100	EA	500 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS).....	13,377.88	671.27
		Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0101	EA	550 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS).....	13,844.61	708.56
		Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0102	EA	600 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS).....	14,193.06	745.85
		Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0103	EA	700 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS).....	16,005.14	895.02
		Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0104	EA	800 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS).....	17,759.76	969.60
		Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0105	EA	900 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS).....	19,678.13	1,118.78
		Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0106	EA	1,000 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS).....	21,622.21	1,267.95
		Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0107	EA	10 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS).....	5,290.44	149.17
		Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.		

MINOR				TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST	
23 13 23 13-0108	EA	15 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,378.30		156.63	
23 13 23 13-0109	EA	25 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,451.80		167.81	
23 13 23 13-0110	EA	50 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,732.73		179.01	
23 13 23 13-0111	EA	60 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,884.02		186.46	
23 13 23 13-0112	EA	75 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,162.19		223.76	
23 13 23 13-0113	EA	100 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,848.35		261.05	
23 13 23 13-0114	EA	150 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	7,911.67		298.34	
23 13 23 13-0115	EA	200 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	8,544.68		335.63	
23 13 23 13-0116	EA	275 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	9,901.15		372.93	
23 13 23 13-0117	EA	300 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,889.48		447.51	
23 13 23 13-0118	EA	350 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	11,577.80		522.09	
23 13 23 13-0119	EA	400 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	12,281.55		596.69	
23 13 23 13-0120	EA	450 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,195.72		633.98	
23 13 23 13-0121	EA	500 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,115.04		671.27	
23 13 23 13-0122	EA	550 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,581.77		708.56	
23 13 23 13-0123	EA	600 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,931.94		745.85	
23 13 23 13-0124	EA	700 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	16,742.30		895.02	
23 13 23 13-0125	EA	800 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	18,496.92		969.60	
23 13 23 13-0126	EA	900 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	20,415.29		1,118.78	
23 13 23 13-0127	EA	1,000 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	22,359.37		1,267.95	
23 13 23 13-0128	EA	150% Containment Double Wall Open Top Basin For 10 Gallon Tank.....	1,185.46		149.17	
23 13 23 13-0129	EA	150% Containment Double Wall Open Top Basin For 15 Gallon Tank.....	1,283.88		156.63	
23 13 23 13-0130	EA	150% Containment Double Wall Open Top Basin For 25 Gallon Tank.....	1,393.05		167.81	
23 13 23 13-0131	EA	150% Containment Double Wall Open Top Basin For 50 Gallon Tank.....	1,590.46		179.01	
23 13 23 13-0132	EA	150% Containment Double Wall Open Top Basin For 60 Gallon Tank.....	2,107.51		186.46	
23 13 23 13-0133	EA	150% Containment Double Wall Open Top Basin For 75 Gallon Tank.....	2,169.67		223.76	
23 13 23 13-0134	EA	150% Containment Double Wall Open Top Basin For 100 Gallon Tank.....	2,725.14		261.05	
23 13 23 13-0135	EA	150% Containment Double Wall Open Top Basin For 150 Gallon Tank.....	3,368.86		298.34	
23 13 23 13-0136	EA	150% Containment Double Wall Open Top Basin For 200 Gallon Tank.....	4,417.63		335.63	
23 13 23 13-0137	EA	150% Containment Double Wall Open Top Basin For 275 Gallon Tank.....	5,543.35		372.93	
23 13 23 13-0138	EA	150% Containment Double Wall Open Top Basin For 300 Gallon Tank.....	6,654.29		447.51	
23 13 23 13-0139	EA	150% Containment Double Wall Open Top Basin For 350 Gallon Tank.....	7,156.50		522.09	
23 13 23 13-0140	EA	150% Containment Double Wall Open Top Basin For 400 Gallon Tank.....	7,660.98		596.69	
23 13 23 13-0141	EA	150% Containment Double Wall Open Top Basin For 450 Gallon Tank.....	8,408.79		633.98	
23 13 23 13-0142	EA	150% Containment Double Wall Open Top Basin For 500 Gallon Tank.....	9,158.87		671.27	
23 13 23 13-0143	EA	150% Containment Double Wall Open Top Basin For 550 Gallon Tank.....	9,811.66		708.56	
23 13 23 13-0144	EA	150% Containment Double Wall Open Top Basin For 600 Gallon Tank.....	10,471.21		745.85	
23 13 23 13-0145	EA	150% Containment Double Wall Open Top Basin For 700 Gallon Tank.....	11,855.80		895.02	
23 13 23 13-0146	EA	150% Containment Double Wall Open Top Basin For 800 Gallon Tank.....	13,156.81		969.60	
23 13 23 13-0147	EA	150% Containment Double Wall Open Top Basin For 900 Gallon Tank.....	14,618.35		1,118.78	
23 13 23 13-0148	EA	150% Containment Double Wall Open Top Basin For 1,000 Gallon Tank.....	16,030.10		1,267.95	
23 13 23 13-0149	EA	200% Containment Double Wall Open Top Basin For 10 Gallon Tank.....	1,249.94		156.63	
23 13 23 13-0150	EA	200% Containment Double Wall Open Top Basin For 15 Gallon Tank.....	1,359.36		167.81	
23 13 23 13-0151	EA	200% Containment Double Wall Open Top Basin For 25 Gallon Tank.....	1,473.54		179.01	
23 13 23 13-0152	EA	200% Containment Double Wall Open Top Basin For 50 Gallon Tank.....	1,674.67		186.46	
23 13 23 13-0153	EA	200% Containment Double Wall Open Top Basin For 60 Gallon Tank.....	2,269.49		223.76	
23 13 23 13-0154	EA	200% Containment Double Wall Open Top Basin For 75 Gallon Tank.....	2,331.64		261.05	
23 13 23 13-0155	EA	200% Containment Double Wall Open Top Basin For 100 Gallon Tank.....	2,914.52		298.34	
23 13 23 13-0156	EA	200% Containment Double Wall Open Top Basin For 150 Gallon Tank.....	3,590.54		335.63	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 13 Facility Fuel-Storage Tanks**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 13 23 13-0157	EA	200% Containment Double Wall Open Top Basin For 200 Gallon Tank.....	4,694.14	372.93
23 13 23 13-0158	EA	200% Containment Double Wall Open Top Basin For 275 Gallon Tank.....	5,878.94	410.22
23 13 23 13-0159	EA	200% Containment Double Wall Open Top Basin For 300 Gallon Tank.....	7,044.68	484.80
23 13 23 13-0160	EA	200% Containment Double Wall Open Top Basin For 350 Gallon Tank.....	7,567.89	559.38
23 13 23 13-0161	EA	200% Containment Double Wall Open Top Basin For 400 Gallon Tank.....	8,093.49	633.98
23 13 23 13-0162	EA	200% Containment Double Wall Open Top Basin For 450 Gallon Tank.....	8,879.40	671.27
23 13 23 13-0163	EA	200% Containment Double Wall Open Top Basin For 500 Gallon Tank.....	9,667.69	708.56
23 13 23 13-0164	EA	200% Containment Double Wall Open Top Basin For 550 Gallon Tank.....	10,353.30	745.85
23 13 23 13-0165	EA	200% Containment Double Wall Open Top Basin For 600 Gallon Tank.....	11,108.19	820.44
23 13 23 13-0166	EA	200% Containment Double Wall Open Top Basin For 700 Gallon Tank.....	12,555.89	969.60
23 13 23 13-0167	EA	200% Containment Double Wall Open Top Basin For 800 Gallon Tank.....	14,046.59	1,118.78
23 13 23 13-0168	EA	200% Containment Double Wall Open Top Basin For 900 Gallon Tank.....	15,575.51	1,267.95
23 13 23 13-0169	EA	200% Containment Double Wall Open Top Basin For 1,000 Gallon Tank.....	17,051.88	1,417.12
23 13 23 13-0170	EA	150% Containment Double Wall Sealed Top Basin For 10 Gallon Tank.....	1,364.23	149.17
23 13 23 13-0171	EA	150% Containment Double Wall Sealed Top Basin For 15 Gallon Tank.....	1,485.28	156.63
23 13 23 13-0172	EA	150% Containment Double Wall Sealed Top Basin For 25 Gallon Tank.....	1,608.02	167.81
23 13 23 13-0173	EA	150% Containment Double Wall Sealed Top Basin For 50 Gallon Tank.....	1,850.69	179.01
23 13 23 13-0174	EA	150% Containment Double Wall Sealed Top Basin For 60 Gallon Tank.....	2,465.05	186.46
23 13 23 13-0175	EA	150% Containment Double Wall Sealed Top Basin For 75 Gallon Tank.....	2,527.21	223.76
23 13 23 13-0176	EA	150% Containment Double Wall Sealed Top Basin For 100 Gallon Tank.....	3,164.14	261.05
23 13 23 13-0177	EA	150% Containment Double Wall Sealed Top Basin For 150 Gallon Tank.....	3,914.22	298.34
23 13 23 13-0178	EA	150% Containment Double Wall Sealed Top Basin For 200 Gallon Tank.....	5,147.93	335.63
23 13 23 13-0179	EA	150% Containment Double Wall Sealed Top Basin For 275 Gallon Tank.....	6,529.98	372.93
23 13 23 13-0180	EA	150% Containment Double Wall Sealed Top Basin For 300 Gallon Tank.....	7,842.31	447.51
23 13 23 13-0181	EA	150% Containment Double Wall Sealed Top Basin For 350 Gallon Tank.....	8,414.68	522.09
23 13 23 13-0182	EA	150% Containment Double Wall Sealed Top Basin For 400 Gallon Tank.....	8,991.57	596.69
23 13 23 13-0183	EA	150% Containment Double Wall Sealed Top Basin For 450 Gallon Tank.....	9,881.94	633.98
23 13 23 13-0184	EA	150% Containment Double Wall Sealed Top Basin For 500 Gallon Tank.....	10,774.58	671.27
23 13 23 13-0185	EA	150% Containment Double Wall Sealed Top Basin For 550 Gallon Tank.....	11,533.71	708.56
23 13 23 13-0186	EA	150% Containment Double Wall Sealed Top Basin For 600 Gallon Tank.....	12,310.95	745.85
23 13 23 13-0187	EA	150% Containment Double Wall Sealed Top Basin For 700 Gallon Tank.....	13,933.15	895.02
23 13 23 13-0188	EA	150% Containment Double Wall Sealed Top Basin For 800 Gallon Tank.....	15,474.02	969.60
23 13 23 13-0189	EA	150% Containment Double Wall Sealed Top Basin For 900 Gallon Tank.....	17,173.16	1,118.78
23 13 23 13-0190	EA	150% Containment Double Wall Sealed Top Basin For 1,000 Gallon Tank.....	18,822.52	1,267.95
23 13 23 13-0191	EA	200% Containment Double Wall Sealed Top Basin For 10 Gallon Tank.....	1,438.64	156.63
23 13 23 13-0192	EA	200% Containment Double Wall Sealed Top Basin For 15 Gallon Tank.....	1,571.94	167.81
23 13 23 13-0193	EA	200% Containment Double Wall Sealed Top Basin For 25 Gallon Tank.....	1,700.46	179.01
23 13 23 13-0194	EA	200% Containment Double Wall Sealed Top Basin For 50 Gallon Tank.....	1,949.36	186.46
23 13 23 13-0195	EA	200% Containment Double Wall Sealed Top Basin For 60 Gallon Tank.....	2,646.90	223.76
23 13 23 13-0196	EA	200% Containment Double Wall Sealed Top Basin For 75 Gallon Tank.....	2,709.05	261.05
23 13 23 13-0197	EA	200% Containment Double Wall Sealed Top Basin For 100 Gallon Tank.....	3,377.91	298.34
23 13 23 13-0198	EA	200% Containment Double Wall Sealed Top Basin For 150 Gallon Tank.....	4,166.20	335.63
23 13 23 13-0199	EA	200% Containment Double Wall Sealed Top Basin For 200 Gallon Tank.....	5,465.01	372.93
23 13 23 13-0200	EA	200% Containment Double Wall Sealed Top Basin For 275 Gallon Tank.....	6,920.37	410.22
23 13 23 13-0201	EA	200% Containment Double Wall Sealed Top Basin For 300 Gallon Tank.....	8,298.71	484.80
23 13 23 13-0202	EA	200% Containment Double Wall Sealed Top Basin For 350 Gallon Tank.....	8,895.97	559.38
23 13 23 13-0203	EA	200% Containment Double Wall Sealed Top Basin For 400 Gallon Tank.....	9,498.00	633.98
23 13 23 13-0204	EA	200% Containment Double Wall Sealed Top Basin For 450 Gallon Tank.....	10,434.39	671.27
23 13 23 13-0205	EA	200% Containment Double Wall Sealed Top Basin For 500 Gallon Tank.....	11,373.17	708.56
23 13 23 13-0206	EA	200% Containment Double Wall Sealed Top Basin For 550 Gallon Tank.....	12,171.02	745.85
23 13 23 13-0207	EA	200% Containment Double Wall Sealed Top Basin For 600 Gallon Tank.....	13,050.14	820.44
23 13 23 13-0208	EA	200% Containment Double Wall Sealed Top Basin For 700 Gallon Tank.....	14,748.64	969.60
23 13 23 13-0209	EA	200% Containment Double Wall Sealed Top Basin For 800 Gallon Tank.....	16,492.53	1,118.78
23 13 23 13-0210	EA	200% Containment Double Wall Sealed Top Basin For 900 Gallon Tank.....	18,272.26	1,267.95
23 13 23 13-0211	EA	200% Containment Double Wall Sealed Top Basin For 1,000 Gallon Tank.....	19,999.43	1,417.12

23 13 23 16 Horizontal, Steel, Aboveground Fuel-Oil, Storage Tanks (23 13 23)**23 13 23 16-0001 Single Wall Aboveground Storage Tanks (23 13 23 16)**

Note: Includes cradles, supports, coating, fittings, and 4" NPT connections as follows: up to 1000 gallon, 4 each: all others 6 each. Excludes pumps, piping, pad, foundation excavation and backfill.

23 13 23 16-0002	EA	300 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	5,163.30	810.74
23 13 23 16-0003	EA	550 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	6,207.34	981.41
23 13 23 16-0004	EA	1,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	8,332.01	1,319.57
23 13 23 16-0005	EA	1,500 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	10,772.22	1,649.45
23 13 23 16-0006	EA	2,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	12,911.02	2,202.04
23 13 23 16-0007	EA	3,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	19,499.61	2,266.81
23 13 23 16-0008	EA	5,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	28,363.84	2,802.59
23 13 23 16-0009	EA	8,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	38,969.37	3,211.24
23 13 23 16-0010	EA	10,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	46,455.94	3,503.15
23 13 23 16-0011	EA	12,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	53,933.23	3,853.49
23 13 23 16-0012	EA	15,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	59,703.96	4,281.61
23 13 23 16-0013	EA	20,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	74,571.05	5,504.92
23 13 23 16-0014	EA	30,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	101,899.21	6,422.47

23 13 23 16-0015 Double Wall Aboveground Storage Tanks (23 13 23 16)

Note: Includes cradles, supports, coating, fittings, and 4" NPT connections as follows: up to 1000 gallon, 4 each: all others 6 each. Excludes pumps, piping, pad, foundation excavation and backfill.

23 13 23 16-0016	EA	300 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	8,185.09	1,011.63
23 13 23 16-0017	EA	550 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	9,835.70	1,224.19
23 13 23 16-0018	EA	1,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	13,041.23	1,649.45
23 13 23 16-0019	EA	1,500 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	17,105.22	2,061.82

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 16-0020	EA		2,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	21,963.59	2,752.52
23 13 23 16-0021	EA		2,500 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	26,580.73	2,752.52
			For 1/4" Thick Shell, Add	6,379.38	
			For Fireguard® Tanks, Add	3,865.81	
23 13 23 16-0022	EA		3,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	31,310.82	2,833.41
23 13 23 16-0023	EA		4,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	38,565.26	3,162.01
			For 1/4" Thick Shell, Add	9,255.66	
			For Fireguard® Tanks, Add	5,806.04	
23 13 23 16-0024	EA		5,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	45,819.60	3,490.47
23 13 23 16-0025	EA		6,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	51,147.98	3,627.65
			For 1/4" Thick Shell, Add	12,275.52	
			For Fireguard® Tanks, Add	7,834.50	
23 13 23 16-0026	EA		8,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	63,355.04	4,014.08
23 13 23 16-0027	EA		10,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	75,718.99	4,378.99
23 13 23 16-0028	EA		12,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	88,032.80	4,816.79
23 13 23 16-0029	EA		15,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	97,442.71	5,352.10
23 13 23 16-0030	EA		20,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	121,614.15	6,881.19
23 13 23 16-0031	EA		25,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	144,224.04	7,454.61
			For Fireguard® Tanks, Add	22,749.77	
23 13 23 16-0032	EA		30,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	166,833.93	8,028.03
23 13 23 16-0033			Horizontal Rectangular Double Wall Aboveground Fuel Day Tanks (23 13 23 16)		
			Note: Includes solenoid valve. Excludes piping and concrete pad.		
23 13 23 16-0034	EA		550 Gallon, Double Wall, Aboveground Horizontal Fuel Storage Tank	15,904.39	1,224.19
23 13 23 16-0035	EA		750 Gallon, Double Wall, Aboveground Horizontal Fuel Storage Tank	16,765.54	1,360.80
23 13 23 16-0036	EA		1,000 Gallon, Double Wall, Aboveground Horizontal Fuel Storage Tank	18,839.90	1,649.45
23 13 23 16-0037	EA		1,500 Gallon, Double Wall, Aboveground Horizontal Fuel Storage Tank	22,542.06	2,061.82
23 13 23 16-0038	EA		2,000 Gallon, Double Wall, Aboveground Horizontal Fuel Storage Tank	28,832.15	2,752.52
			Note: Includes 2" solenoid valve.		
23 13 23 19			Containment-Dike, Steel, Aboveground Fuel-Oil, Storage Tanks (23 13 23)		
23 13 23 19-0001			Secondary Containment For Above Ground Tanks (23 13 23 19)		
23 13 23 19-0002	EA		Steel Dike For 550 Gallon Tank, Uncoated	6,808.40	
23 13 23 19-0003	EA		Steel Dike For 1,000 Gallon Tank, Uncoated	8,224.63	
23 13 23 19-0004	EA		Steel Dike For 2,000 Gallon Tank, Uncoated	18,026.19	
23 13 23 19-0005	EA		Steel Dike For 3,000 Gallon Tank, Uncoated	19,715.22	
23 13 23 19-0006	EA		Steel Dike For 5,000 Gallon Tank, Uncoated	28,046.61	
23 13 23 19-0007	EA		Steel Dike For 6,000 Gallon Tank, Uncoated	31,423.05	
23 13 23 19-0008	EA		Steel Dike For 8,000 Gallon Tank, Uncoated	41,497.37	
23 13 23 19-0009	EA		Steel Dike For 10,000 Gallon Tank, Uncoated	48,686.47	
23 13 23 19-0010	EA		Steel Dike For 12,000 Gallon Tank, Uncoated	55,329.87	
23 13 23 19-0011	EA		Steel Dike For 15,000 Gallon Tank, Uncoated	67,365.48	
23 13 23 19-0012	EA		Steel Dike For 20,000 Gallon Tank, Uncoated	86,261.95	
23 13 23 26			Concrete-Vaulted, Steel, Aboveground Fuel-Oil, Storage Tanks (23 13 23)		
23 13 23 26-0001			Aboveground Concrete Vaulted Storage Tanks (23 13 23 26)		
			Note: Includes setting in place with stand, NPT openings for an emergency vent, regular vent, gauge, fill with an internal 5 gallon minimum overfill containment, supply and return and leak detection. All tanks that are 2000 gallon and larger shall have a ladder for access. Excludes excavation, pad, pumps and piping.		
23 13 23 26-0002	EA		500 Gallon Concrete Vaulted Storage Tank	37,539.37	1,666.74
			For Low Profile Tanks, Add	14,085.48	
23 13 23 26-0003	EA		1,000 Gallon Concrete Vaulted Storage Tank	47,359.13	1,881.57
			For Low Profile Tanks, Add	17,893.47	
23 13 23 26-0004	EA		2,000 Gallon Concrete Vaulted Storage Tank	84,430.54	2,240.39
			For Low Profile Tanks, Add	32,521.76	
23 13 23 26-0005	EA		4,000 Gallon Concrete Vaulted Storage Tank	133,259.98	4,927.80
23 13 23 26-0006	EA		5,000 Gallon Concrete Vaulted Storage Tank	152,352.30	5,381.97
23 13 23 26-0007	EA		6,000 Gallon Concrete Vaulted Storage Tank	171,538.75	5,812.13
23 13 23 26-0008	EA		8,000 Gallon Concrete Vaulted Storage Tank	190,701.83	6,306.92
23 13 23 26-0009	EA		10,000 Gallon Concrete Vaulted Storage Tank	209,857.20	6,713.43
23 13 33			Facility Fuel-Oil, Storage Tank Accessories (23 13)		
23 13 33 00-0001			EPA Requirements (23 13 33)		
23 13 33 00-0002	EA		Fill Pipe Spill Containment Manhole (5 Gallon)	788.79	
23 13 33 00-0003	EA		Over-Fill Prevention Valve	1,420.20	
23 13 33 00-0004	EA		Tank Manway With Cover, Fiberglass	4,421.10	
23 13 33 00-0005	EA		Tank Manway With Cover, Steel	5,934.77	
23 13 33 00-0006	EA		Vent Fill Alarm (Whistle Vent)	221.31	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 13 Facility Fuel-Storage Tanks**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 13 33 00-0007	EA	Reservoir Sensor, Liquid Level	703.25	
23 13 33 00-0008	EA	Manhole Spill Containment	1,284.42	290.25
23 13 33 00-0009	EA	Fill Adapter, 4"	471.73	193.54
23 13 33 00-0010	EA	Fill Cap, 4"	331.01	72.57
23 13 33 00-0011	EA	2" Vent Cap	191.12	48.42
23 13 33 00-0012	EA	4" x 2" Extractor Fitting	794.92	72.57
23 13 33 00-0013	EA	Float Vent Valve	430.49	145.13
23 13 33 00-0014	EA	Vapor Hose Adapter	717.01	96.71
23 13 33 00-0015	EA	Dust Cap	291.43	52.83
23 13 33 00-0016	EA	1" Double Poppet Foot Valve	479.25	82.90
23 13 33 00-0017	EA	10" Wood Gage Stick	43.31	
23 13 33 00-0018	EA	1-1/4" Tank Filled Breather, NPT	288.69	
23 13 33 00-0019	EA	1-1/2" Tank Filled Breather, Bayonet	403.32	
23 13 33 00-0020	EA	2" Cast Iron Combination Fill Cap And Vent	87.85	
23 13 33 00-0021	EA	3" Cast Iron Combination Fill Cap And Vent	118.19	
23 13 33 00-0022	EA	4" Cast Iron Combination Fill Cap And Vent	184.94	
23 13 33 00-0023	EA	Pressure And Vacuum Control Vent	1,916.70	
23 13 33 00-0024	EA	1/4 HP Fuel/Diesel Pump Set	1,960.93	
23 13 33 00-0025	EA	1/3 HP Fuel/Diesel Pump Set	2,321.70	
23 13 33 00-0026	EA	1/2 HP Fuel/Diesel Pump Set	2,529.36	
23 13 33 00-0027	EA	3/4 HP Fuel/Diesel Pump Set	2,771.70	
23 13 33 00-0028	EA	1 HP Fuel/Diesel Pump Set	3,979.91	
23 13 33 00-0029	EA	1-1/2 HP Fuel/Diesel Pump Set	4,920.20	
23 13 33 00-0030	EA	2 HP Fuel/Diesel Pump Set	5,446.47	
23 13 33 00-0031	EA	3 HP Fuel/Diesel Pump Set	6,700.57	
23 13 33 00-0032	EA	5 HP Fuel/Diesel Pump Set	7,936.39	
23 13 33 00-0033	EA	7.5 HP Fuel/Diesel Pump Set	8,883.73	
23 13 33 00-0034	EA	10 HP Fuel/Diesel Pump Set	10,263.49	

23 13 33 00-0035 Tank Bulkhead Fittings (23 13 33)**23 13 33 00-0036 Tank Bulkhead Fittings (23 13 33 00-0035)****23 13 33 00-0037 Polyvinyl Chloride (PVC) Tank Bulkhead Fittings, Socket x Threaded Connection (23 13 33 00-0036)**

23 13 33 00-0038	EA	1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	56.33	
23 13 33 00-0039	EA	3/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	63.02	
23 13 33 00-0040	EA	1" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	69.29	
23 13 33 00-0041	EA	1-1/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	84.37	
23 13 33 00-0042	EA	1-1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	86.85	
23 13 33 00-0043	EA	2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	115.61	
23 13 33 00-0044	EA	3" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	186.31	
23 13 33 00-0045	EA	4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	330.90	

23 13 33 00-0046 Polyvinyl Chloride (PVC) Tank Bulkhead Fittings, Thread x Threaded Connection (23 13 33 00-0036)

23 13 33 00-0047	EA	1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	66.26	
23 13 33 00-0048	EA	3/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	72.91	
23 13 33 00-0049	EA	1" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	79.58	
23 13 33 00-0050	EA	1-1/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	100.35	
23 13 33 00-0051	EA	1-1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	107.03	
23 13 33 00-0052	EA	2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	133.89	
23 13 33 00-0053	EA	3" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	210.68	
23 13 33 00-0054	EA	4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	365.53	

23 13 33 00-0055 Chlorinated Polyvinyl Chloride (CPVC) Tank Bulkhead Fittings, Socket x Threaded Connection (23 13 33 00-0036)

23 13 33 00-0056	EA	1/2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	68.52	
23 13 33 00-0057	EA	3/4" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	79.40	
23 13 33 00-0058	EA	1" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	89.87	
23 13 33 00-0059	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	116.91	
23 13 33 00-0060	EA	2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	154.43	
23 13 33 00-0061	EA	3" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	243.81	
23 13 33 00-0062	EA	4" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	386.11	

23 13 33 00-0063 Polypropylene Tank Bulkhead Fitting Thread x Threaded Connection (23 13 33 00-0036)

23 13 33 00-0064	EA	1/2" Polypropylene Bulkhead Fitting, Thread x Thread	81.11	
23 13 33 00-0065	EA	3/4" Polypropylene Bulkhead Fitting, Thread x Thread	96.15	
23 13 33 00-0066	EA	1" Polypropylene Bulkhead Fitting, Thread x Thread	119.17	
23 13 33 00-0067	EA	1-1/4" Polypropylene Bulkhead Fitting, Thread x Thread	146.03	
23 13 33 00-0068	EA	1-1/2" Polypropylene Bulkhead Fitting, Thread x Thread	148.51	
23 13 33 00-0069	EA	2" Polypropylene Bulkhead Fitting, Thread x Thread	214.95	
23 13 33 00-0070	EA	3" Polypropylene Bulkhead Fitting, Thread x Thread	389.96	
23 13 33 00-0071	EA	4" Polypropylene Bulkhead Fitting, Thread x Thread	702.05	

23 13 33 00-0072 Polyethylene Tank Bulkhead Fittings Thread x Threaded Connection (23 13 33 00-0036)

23 13 33 00-0073	EA	3/4" Polyethylene Bulkhead Fitting, Thread x Thread	70.24	
23 13 33 00-0074	EA	1" Polyethylene Bulkhead Fitting, Thread x Thread	91.65	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 13 33 00-0075	EA		1-1/4" Polyethylene Bulkhead Fitting, Thread x Thread.....	94.14	
23 13 33 00-0076	EA		1-1/2" Polyethylene Bulkhead Fitting, Thread x Thread.....	96.62	
23 13 33 00-0077	EA		2" Polyethylene Bulkhead Fitting, Thread x Thread.....	136.92	
23 13 33 00-0078	EA		3" Polyethylene Bulkhead Fitting, Thread x Thread.....	174.25	

23 13 33 00-0079 TFE Teflon Tank Bulkhead Fittings, Thread x Threaded Connection (23 13 33 00-0036)

23 13 33 00-0080	EA		1/8" TFE Teflon Bulkhead Fitting, Thread x Thread.....	320.94	
23 13 33 00-0081	EA		1/4" TFE Teflon Bulkhead Fitting, Thread x Thread.....	366.92	
23 13 33 00-0082	EA		3/8" TFE Teflon Bulkhead Fitting, Thread x Thread.....	451.85	
23 13 33 00-0083	EA		1/2" TFE Teflon Bulkhead Fitting, Thread x Thread.....	521.49	
23 13 33 00-0084	EA		3/4" TFE Teflon Bulkhead Fitting, Thread x Thread.....	601.09	
23 13 33 00-0085	EA		1" TFE Teflon Bulkhead Fitting, Thread x Thread.....	758.03	
23 13 33 00-0086	EA		1-1/2" TFE Teflon Bulkhead Fitting, Thread x Thread.....	985.41	
23 13 33 00-0087	EA		2" TFE Teflon Bulkhead Fitting, Thread x Thread.....	1,088.93	

23 13 33 00-0088 Self-Aligning Bulkhead Fittings (23 13 33 00-0035)

23 13 33 00-0089	EA		3/4" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting.....	327.27	
23 13 33 00-0090	EA		1" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting.....	327.21	
23 13 33 00-0091	EA		1-1/2" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting.....	479.18	
23 13 33 00-0092	EA		2" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting.....	488.81	
23 13 33 00-0093	EA		3" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting.....	661.45	

23 20 HVAC Piping and Pumps (23)

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which exclude the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks.

23 21 Hydronic Piping and Pumps (23 20)

23 21 13 Hydronic Piping (23 21)

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which exclude the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks.

23 21 13 23 Aboveground Hydronic Piping (23 21 13)

23 21 13 23-0001 Threaded Black Steel Pipe (23 21 13 23)

23 21 13 23-0002 Threaded Black Steel Pipe Assemblies (23 21 13 23-0001)

Note: ASTM A-53 pipe and A-105 fittings. Threaded and coupled. Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. Includes cutting and threading to length where necessary.

23 21 13 23-0003	LF		1/2" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly.....	23.31	4.58
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.					
For Work In Restricted Working Space, Add				4.73	
For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add				5.87	
23 21 13 23-0004	LF		3/4" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly.....	25.70	4.92
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.					
For Work In Restricted Working Space, Add				4.94	
For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add				6.62	
23 21 13 23-0005	LF		1" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly.....	28.73	5.38
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.					
For Work In Restricted Working Space, Add				5.21	
For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add				7.56	
23 21 13 23-0006	LF		1-1/4" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly.....	34.73	5.61
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.					
For Work In Restricted Working Space, Add				5.63	
For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add				9.50	
23 21 13 23-0007	LF		1-1/2" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly.....	37.23	6.64
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.					
For Work In Restricted Working Space, Add				5.70	
For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add				10.36	
23 21 13 23-0008	LF		2" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly.....	44.63	8.00
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.					
For Work In Restricted Working Space, Add				6.43	
For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add				12.64	
23 21 13 23-0009	LF		2-1/2" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly.....	64.43	9.49
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.					
For Work In Restricted Working Space, Add				7.97	
For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add				18.94	
23 21 13 23-0010	LF		3" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly.....	82.14	12.70
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.					
For Work In Restricted Working Space, Add				9.77	
For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add				24.36	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 21 13 23-0011	LF	4" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly.....	113.16	14.29
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	10.33	
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	35.23	
23 21 13 23-0012	LF	5" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly.....	168.97	18.27
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	12.30	
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	54.27	
23 21 13 23-0013	LF	6" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly.....	205.74	21.60
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	13.94	
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	66.63	

23 21 13 23-0014 Threaded Black Steel Pipe And Fittings (23 21 13 23-0001)

Note: ASTM A-53 pipe and A-105 fittings. Threaded and coupled, schedule 40. Excludes hangers, elbow, tee, or reducer fittings.

23 21 13 23-0015 Threaded And Coupled, Black Steel Piping (23 21 13 23-0014)

Note: ASTM A-53. Includes coupling. Includes cutting and threading to length where necessary.

23 21 13 23-0016	LF	3/8" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	8.80	2.86
		For Work In Restricted Working Space, Add	1.73	
		For Schedule 80 Pipe, Add	1.94	
23 21 13 23-0017	LF	1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	11.99	4.58
		For Work In Restricted Working Space, Add	2.08	
		For Schedule 80 Pipe, Add	2.97	
23 21 13 23-0018	LF	3/4" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	13.92	4.92
		For Work In Restricted Working Space, Add	2.21	
		For Schedule 80 Pipe, Add	3.68	
23 21 13 23-0019	LF	1" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	16.71	5.38
		For Work In Restricted Working Space, Add	2.40	
		For Schedule 80 Pipe, Add	4.72	
23 21 13 23-0020	LF	1-1/4" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	20.14	5.61
		For Work In Restricted Working Space, Add	2.54	
		For Schedule 80 Pipe, Add	6.10	
23 21 13 23-0021	LF	1-1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	23.90	6.64
		For Work In Restricted Working Space, Add	2.99	
		For Schedule 80 Pipe, Add	7.27	
23 21 13 23-0022	LF	2" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	30.31	8.00
		For Work In Restricted Working Space, Add	3.61	
		For Schedule 80 Pipe, Add	9.43	
23 21 13 23-0023	LF	2-1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	43.16	9.49
		For Work In Restricted Working Space, Add	4.29	
		For Schedule 80 Pipe, Add	14.42	
23 21 13 23-0024	LF	3" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	56.87	12.70
		For Work In Restricted Working Space, Add	5.72	
		For Schedule 80 Pipe, Add	18.92	
23 21 13 23-0025	LF	4" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	77.99	14.29
		For Work In Restricted Working Space, Add	6.45	
		For Schedule 80 Pipe, Add	27.57	
23 21 13 23-0026	LF	5" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	102.42	18.27
		For Work In Restricted Working Space, Add	8.21	
		For Schedule 80 Pipe, Add	36.52	
23 21 13 23-0027	LF	6" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	131.36	21.60
		For Work In Restricted Working Space, Add	9.71	
		For Schedule 80 Pipe, Add	47.79	
23 21 13 23-0028	LF	8" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	185.94	26.11
		For Work In Restricted Working Space, Add	11.73	
		For Schedule 80 Pipe, Add	69.99	
23 21 13 23-0029	LF	10" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	255.62	31.81
		For Work In Restricted Working Space, Add	14.33	
		For Schedule 80 Pipe, Add	98.31	
23 21 13 23-0030	LF	12" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	342.16	41.81
		For Work In Restricted Working Space, Add	18.81	
		For Schedule 80 Pipe, Add	132.03	

23 21 13 23-0031 Black Malleable Iron 90 Degree Elbows (23 21 13 23-0014)

23 21 13 23-0032	EA	3/8", 150 Lb., Black Malleable Iron 90 Degree Elbow.....	30.47	16.94
		For Work In Restricted Working Space, Add	7.63	
		For 300 Lb. Rating, Add	13.65	
		For Standard Weight Cast Iron Fittings, Add	0.08	
23 21 13 23-0033	EA	1/2", 150 Lb., Black Malleable Iron 90 Degree Elbow.....	34.01	20.37
		For Work In Restricted Working Space, Add	9.15	
		For 300 Lb. Rating, Add	10.23	
		For Standard Weight Cast Iron Fittings, Add	0.06	
23 21 13 23-0034	EA	3/4", 150 Lb., Black Malleable Iron 90 Degree Elbow.....	38.37	22.77
		For Work In Restricted Working Space, Add	10.25	
		For 300 Lb. Rating, Add	12.18	
		For Standard Weight Cast Iron Fittings, Add	0.07	
23 21 13 23-0035	EA	1", 150 Lb., Black Malleable Iron 90 Degree Elbow.....	45.47	25.40
		For Work In Restricted Working Space, Add	11.44	
		For 300 Lb. Rating, Add	19.88	
		For Standard Weight Cast Iron Fittings, Add	0.12	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0036	EA	1-1/4", 150 Lb., Black Malleable Iron 90 Degree Elbow.....	55.26	28.84
		For Work In Restricted Working Space, Add	12.95	
		For 300 Lb. Rating, Add	31.61	
		For Standard Weight Cast Iron Fittings, Add	0.19	
23 21 13 23-0037	EA	1-1/2", 150 Lb., Black Malleable Iron 90 Degree Elbow.....	64.59	32.49
		For Work In Restricted Working Space, Add	14.61	
		For 300 Lb. Rating, Add	41.08	
		For Standard Weight Cast Iron Fittings, Add	0.25	
23 21 13 23-0038	EA	2", 150 Lb., Black Malleable Iron 90 Degree Elbow.....	89.28	41.30
		For Work In Restricted Working Space, Add	18.56	
		For 300 Lb. Rating, Add	69.54	
		For Standard Weight Cast Iron Fittings, Add	0.44	
23 21 13 23-0039	EA	2-1/2", 150 Lb., Black Malleable Iron 90 Degree Elbow.....	152.62	61.10
		For Work In Restricted Working Space, Add	27.46	
		For 300 Lb. Rating, Add	152.11	
		For Standard Weight Cast Iron Fittings, Add	0.98	
23 21 13 23-0040	EA	3", 150 Lb., Black Malleable Iron 90 Degree Elbow.....	209.84	80.33
		For Work In Restricted Working Space, Add	36.13	
		For 300 Lb. Rating, Add	221.79	
		For Standard Weight Cast Iron Fittings, Add	1.43	
23 21 13 23-0041	EA	4", 150 Lb., Black Malleable Iron 90 Degree Elbow.....	317.42	83.61
		For Work In Restricted Working Space, Add	37.62	
		For 300 Lb. Rating, Add	468.40	
		For Standard Weight Cast Iron Fittings, Add	3.07	
23 21 13 23-0042	EA	5", 150 Lb., Black Malleable Iron 90 Degree Elbow.....	691.96	87.27
		For Work In Restricted Working Space, Add	39.25	
		For 300 Lb. Rating, Add	1,354.54	
		For Standard Weight Cast Iron Fittings, Add	8.98	
23 21 13 23-0043	EA	6", 150 Lb., Black Malleable Iron 90 Degree Elbow.....	784.96	91.24
		For Work In Restricted Working Space, Add	41.04	
		For 300 Lb. Rating, Add	1,563.82	
		For Standard Weight Cast Iron Fittings, Add	10.37	
23 21 13 23-0044		Black Malleable Iron Reducing 90 Degree Elbows (23 21 13 23-0014)		
23 21 13 23-0045	EA	1/2" x 3/8", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow.....	34.62	18.65
		For Work In Restricted Working Space, Add	8.39	
		For 300 Lb. Rating, Add	17.66	
		For Standard Weight Cast Iron Fittings, Add	0.11	
23 21 13 23-0046	EA	3/4" x 1/2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow.....	39.19	21.51
		For Work In Restricted Working Space, Add	9.70	
		For 300 Lb. Rating, Add	18.40	
		For Standard Weight Cast Iron Fittings, Add	0.11	
23 21 13 23-0047	EA	3/4" x 3/8", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow.....	39.37	19.91
		For Work In Restricted Working Space, Add	8.94	
		For 300 Lb. Rating, Add	24.78	
		For Standard Weight Cast Iron Fittings, Add	0.15	
23 21 13 23-0048	EA	1" x 3/4", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow.....	44.96	24.14
		For Work In Restricted Working Space, Add	10.85	
		For 300 Lb. Rating, Add	23.31	
		For Standard Weight Cast Iron Fittings, Add	0.14	
23 21 13 23-0049	EA	1" x 1/2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow.....	43.82	22.89
		For Work In Restricted Working Space, Add	10.30	
		For 300 Lb. Rating, Add	24.86	
		For Standard Weight Cast Iron Fittings, Add	0.15	
23 21 13 23-0050	EA	1" x 3/8", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow.....	50.50	21.16
		For Work In Restricted Working Space, Add	9.54	
		For 300 Lb. Rating, Add	46.81	
		For Standard Weight Cast Iron Fittings, Add	0.30	
23 21 13 23-0051	EA	1-1/4" x 1", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow.....	55.46	27.11
		For Work In Restricted Working Space, Add	12.20	
		For 300 Lb. Rating, Add	37.96	
		For Standard Weight Cast Iron Fittings, Add	0.24	
23 21 13 23-0052	EA	1-1/4" x 3/4", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow.....	55.18	25.75
		For Work In Restricted Working Space, Add	11.60	
		For 300 Lb. Rating, Add	41.97	
		For Standard Weight Cast Iron Fittings, Add	0.26	
23 21 13 23-0053	EA	1-1/4" x 1/2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow.....	56.14	24.60
		For Work In Restricted Working Space, Add	11.05	
		For 300 Lb. Rating, Add	48.53	
		For Standard Weight Cast Iron Fittings, Add	0.31	
23 21 13 23-0054	EA	1-1/2" x 1-1/4", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow.....	66.81	30.67
		For Work In Restricted Working Space, Add	13.78	
		For 300 Lb. Rating, Add	52.87	
		For Standard Weight Cast Iron Fittings, Add	0.33	
23 21 13 23-0055	EA	1-1/2" x 1", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow.....	64.30	28.95
		For Work In Restricted Working Space, Add	13.03	
		For 300 Lb. Rating, Add	52.72	
		For Standard Weight Cast Iron Fittings, Add	0.33	
23 21 13 23-0056	EA	1-1/2" x 3/4", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow.....	65.32	27.58
		For Work In Restricted Working Space, Add	12.43	
		For 300 Lb. Rating, Add	59.85	
		For Standard Weight Cast Iron Fittings, Add	0.38	
23 21 13 23-0057	EA	2" x 1-1/2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow.....	85.53	36.84
		For Work In Restricted Working Space, Add	16.58	
		For 300 Lb. Rating, Add	75.94	
		For Standard Weight Cast Iron Fittings, Add	0.48	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 21 13 23-0058	EA 2" x 1-1/4", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	86.90	35.01
	For Work In Restricted Working Space, Add	15.75	
	For 300 Lb. Rating, Add	85.69	
	For Standard Weight Cast Iron Fittings, Add	0.55	
23 21 13 23-0059	EA 2" x 1", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	84.38	33.30
	For Work In Restricted Working Space, Add	15.00	
	For 300 Lb. Rating, Add	85.54	
	For Standard Weight Cast Iron Fittings, Add	0.55	
23 21 13 23-0060	EA 2" x 3/4", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	84.46	32.04
	For Work In Restricted Working Space, Add	14.40	
	For 300 Lb. Rating, Add	90.38	
	For Standard Weight Cast Iron Fittings, Add	0.58	
23 21 13 23-0061	EA 2-1/2" x 2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	159.73	51.15
	For Work In Restricted Working Space, Add	23.01	
	For 300 Lb. Rating, Add	203.90	
	For Standard Weight Cast Iron Fittings, Add	1.33	
23 21 13 23-0062	EA 2-1/2" x 1-1/2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	158.05	46.80
	For Work In Restricted Working Space, Add	21.04	
	For 300 Lb. Rating, Add	215.24	
	For Standard Weight Cast Iron Fittings, Add	1.41	
23 21 13 23-0063	EA 3" x 2-1/2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	261.39	70.71
	For Work In Restricted Working Space, Add	31.79	
	For 300 Lb. Rating, Add	379.34	
	For Standard Weight Cast Iron Fittings, Add	2.49	
23 21 13 23-0064	EA 3" x 2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	225.40	60.75
	For Work In Restricted Working Space, Add	27.35	
	For 300 Lb. Rating, Add	327.67	
	For Standard Weight Cast Iron Fittings, Add	2.15	
23 21 13 23-0065	EA 4" x 3", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	384.86	79.53
	For Work In Restricted Working Space, Add	35.78	
	For 300 Lb. Rating, Add	644.60	
	For Standard Weight Cast Iron Fittings, Add	4.25	

23 21 13 23-0066 Black Malleable Iron 45 Degree Elbows (23 21 13 23-0014)

23 21 13 23-0067	EA 3/8", 150 Lb., Black Malleable Iron 45 Degree Elbow	33.02	16.94
	For Work In Restricted Working Space, Add	7.63	
	For 300 Lb. Rating, Add	19.77	
	For Standard Weight Cast Iron Fittings, Add	0.12	
23 21 13 23-0068	EA 1/2", 150 Lb., Black Malleable Iron 45 Degree Elbow	36.29	20.37
	For Work In Restricted Working Space, Add	9.15	
	For 300 Lb. Rating, Add	15.70	
	For Standard Weight Cast Iron Fittings, Add	0.09	
23 21 13 23-0069	EA 3/4", 150 Lb., Black Malleable Iron 45 Degree Elbow	41.30	22.77
	For Work In Restricted Working Space, Add	10.25	
	For 300 Lb. Rating, Add	19.21	
	For Standard Weight Cast Iron Fittings, Add	0.11	
23 21 13 23-0070	EA 1", 150 Lb., Black Malleable Iron 45 Degree Elbow	47.13	25.40
	For Work In Restricted Working Space, Add	11.44	
	For 300 Lb. Rating, Add	23.86	
	For Standard Weight Cast Iron Fittings, Add	0.14	
23 21 13 23-0071	EA 1-1/4", 150 Lb., Black Malleable Iron 45 Degree Elbow	59.09	28.84
	For Work In Restricted Working Space, Add	12.95	
	For 300 Lb. Rating, Add	40.80	
	For Standard Weight Cast Iron Fittings, Add	0.25	
23 21 13 23-0072	EA 1-1/2", 150 Lb., Black Malleable Iron 45 Degree Elbow	68.38	32.49
	For Work In Restricted Working Space, Add	14.61	
	For 300 Lb. Rating, Add	50.18	
	For Standard Weight Cast Iron Fittings, Add	0.32	
23 21 13 23-0073	EA 2", 150 Lb., Black Malleable Iron 45 Degree Elbow	91.62	41.30
	For Work In Restricted Working Space, Add	18.56	
	For 300 Lb. Rating, Add	75.16	
	For Standard Weight Cast Iron Fittings, Add	0.48	
23 21 13 23-0074	EA 2-1/2", 150 Lb., Black Malleable Iron 45 Degree Elbow	177.68	61.10
	For Work In Restricted Working Space, Add	27.46	
	For 300 Lb. Rating, Add	212.25	
	For Standard Weight Cast Iron Fittings, Add	1.38	
23 21 13 23-0075	EA 3", 150 Lb., Black Malleable Iron 45 Degree Elbow	232.34	80.33
	For Work In Restricted Working Space, Add	36.13	
	For 300 Lb. Rating, Add	275.79	
	For Standard Weight Cast Iron Fittings, Add	1.79	
23 21 13 23-0076	EA 4", 150 Lb., Black Malleable Iron 45 Degree Elbow	344.82	83.61
	For Work In Restricted Working Space, Add	37.62	
	For 300 Lb. Rating, Add	534.16	
	For Standard Weight Cast Iron Fittings, Add	3.51	
23 21 13 23-0077	EA 5", 150 Lb., Black Malleable Iron 45 Degree Elbow	997.59	87.27
	For Work In Restricted Working Space, Add	39.25	
	For 300 Lb. Rating, Add	2,088.05	
	For Standard Weight Cast Iron Fittings, Add	13.87	
23 21 13 23-0078	EA 6", 150 Lb., Black Malleable Iron 45 Degree Elbow	1,023.57	91.24
	For Work In Restricted Working Space, Add	41.04	
	For 300 Lb. Rating, Add	2,136.48	
	For Standard Weight Cast Iron Fittings, Add	14.19	

23 21 13 23-0079 Black Malleable Iron Tees (23 21 13 23-0014)

23 21 13 23-0080	EA 3/8", 150 Lb., Black Malleable Iron Tee	39.12	20.94
	For Work In Restricted Working Space, Add	9.54	
	For 300 Lb. Rating, Add	19.50	
	For Standard Weight Cast Iron Fittings, Add	0.12	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0081	EA	1/2", 150 Lb., Black Malleable Iron Tee	42.82	25.40
		For Work In Restricted Working Space, Add	11.44	
		For 300 Lb. Rating, Add	13.52	
		For Standard Weight Cast Iron Fittings, Add	0.07	
23 21 13 23-0082	EA	3/4", 150 Lb., Black Malleable Iron Tee	50.72	29.41
		For Work In Restricted Working Space, Add	13.20	
		For 300 Lb. Rating, Add	18.74	
		For Standard Weight Cast Iron Fittings, Add	0.11	
23 21 13 23-0083	EA	1", 150 Lb., Black Malleable Iron Tee	63.50	34.67
		For Work In Restricted Working Space, Add	15.60	
		For 300 Lb. Rating, Add	30.72	
		For Standard Weight Cast Iron Fittings, Add	0.18	
23 21 13 23-0084	EA	1-1/4", 150 Lb., Black Malleable Iron Tee	80.47	41.30
		For Work In Restricted Working Space, Add	18.56	
		For 300 Lb. Rating, Add	48.40	
		For Standard Weight Cast Iron Fittings, Add	0.30	
23 21 13 23-0085	EA	1-1/2", 150 Lb., Black Malleable Iron Tee	96.97	49.21
		For Work In Restricted Working Space, Add	22.15	
		For 300 Lb. Rating, Add	59.99	
		For Standard Weight Cast Iron Fittings, Add	0.37	
23 21 13 23-0086	EA	2", 150 Lb., Black Malleable Iron Tee	130.99	61.10
		For Work In Restricted Working Space, Add	27.46	
		For 300 Lb. Rating, Add	100.20	
		For Standard Weight Cast Iron Fittings, Add	0.63	
23 21 13 23-0087	EA	2-1/2", 150 Lb., Black Malleable Iron Tee	205.51	80.33
		For Work In Restricted Working Space, Add	36.13	
		For 300 Lb. Rating, Add	211.39	
		For Standard Weight Cast Iron Fittings, Add	1.36	
23 21 13 23-0088	EA	3", 150 Lb., Black Malleable Iron Tee	268.34	95.43
		For Work In Restricted Working Space, Add	42.91	
		For 300 Lb. Rating, Add	309.33	
		For Standard Weight Cast Iron Fittings, Add	2.00	
23 21 13 23-0089	EA	4", 150 Lb., Black Malleable Iron Tee	461.26	105.65
		For Work In Restricted Working Space, Add	47.52	
		For 300 Lb. Rating, Add	736.39	
		For Standard Weight Cast Iron Fittings, Add	4.85	
23 21 13 23-0090	EA	5", 150 Lb., Black Malleable Iron Tee	1,105.89	125.42
		For Work In Restricted Working Space, Add	56.42	
		For 300 Lb. Rating, Add	2,214.03	
		For Standard Weight Cast Iron Fittings, Add	14.68	
23 21 13 23-0091	EA	6", 150 Lb., Black Malleable Iron Tee	1,199.93	143.37
		For Work In Restricted Working Space, Add	64.49	
		For 300 Lb. Rating, Add	2,376.85	
		For Standard Weight Cast Iron Fittings, Add	15.76	
23 21 13 23-0092		Black Malleable Iron Reducing Tees (23 21 13 23-0014)		
23 21 13 23-0093	EA	1/2", 150 Lb., Black Malleable Iron Reducing Tee	46.10	25.40
		For Work In Restricted Working Space, Add	11.44	
		For 300 Lb. Rating, Add	21.39	
		For Standard Weight Cast Iron Fittings, Add	0.13	
23 21 13 23-0094	EA	3/4", 150 Lb., Black Malleable Iron Reducing Tee	54.39	29.41
		For Work In Restricted Working Space, Add	13.20	
		For 300 Lb. Rating, Add	27.55	
		For Standard Weight Cast Iron Fittings, Add	0.17	
23 21 13 23-0095	EA	1", 150 Lb., Black Malleable Iron Reducing Tee	65.10	34.67
		For Work In Restricted Working Space, Add	15.60	
		For 300 Lb. Rating, Add	34.56	
		For Standard Weight Cast Iron Fittings, Add	0.21	
23 21 13 23-0096	EA	1-1/4", 150 Lb., Black Malleable Iron Reducing Tee	87.60	41.30
		For Work In Restricted Working Space, Add	18.56	
		For 300 Lb. Rating, Add	65.51	
		For Standard Weight Cast Iron Fittings, Add	0.41	
23 21 13 23-0097	EA	1-1/2", 150 Lb., Black Malleable Iron Reducing Tee	102.35	49.21
		For Work In Restricted Working Space, Add	22.15	
		For 300 Lb. Rating, Add	72.90	
		For Standard Weight Cast Iron Fittings, Add	0.46	
23 21 13 23-0098	EA	2", 150 Lb., Black Malleable Iron Reducing Tee	132.95	61.10
		For Work In Restricted Working Space, Add	27.46	
		For 300 Lb. Rating, Add	104.90	
		For Standard Weight Cast Iron Fittings, Add	0.66	
23 21 13 23-0099	EA	2-1/2", 150 Lb., Black Malleable Iron Reducing Tee	249.48	80.33
		For Work In Restricted Working Space, Add	36.13	
		For 300 Lb. Rating, Add	316.92	
		For Standard Weight Cast Iron Fittings, Add	2.06	
23 21 13 23-0100	EA	3", 150 Lb., Black Malleable Iron Reducing Tee	290.84	95.43
		For Work In Restricted Working Space, Add	42.91	
		For 300 Lb. Rating, Add	363.33	
		For Standard Weight Cast Iron Fittings, Add	2.36	
23 21 13 23-0101	EA	4", 150 Lb., Black Malleable Iron Reducing Tee	516.85	105.65
		For Work In Restricted Working Space, Add	47.52	
		For 300 Lb. Rating, Add	869.81	
		For Standard Weight Cast Iron Fittings, Add	5.74	
23 21 13 23-0102	EA	5", 150 Lb., Black Malleable Iron Reducing Tee	1,019.52	125.42
		For Work In Restricted Working Space, Add	56.42	
		For 300 Lb. Rating, Add	2,006.74	
		For Standard Weight Cast Iron Fittings, Add	13.30	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 21 13 23-0103	EA 6", 150 Lb., Black Malleable Iron Reducing Tee	1,158.00	143.37
	For Work In Restricted Working Space, Add	64.49	
	For 300 Lb. Rating, Add	2,276.22	
	For Standard Weight Cast Iron Fittings, Add	15.09	

23 21 13 23-0104 Black Malleable Iron Couplings (23 21 13 23-0014)

23 21 13 23-0105	EA 3/8", 150 Lb., Black Malleable Iron Coupling	31.70	16.94
	For Work In Restricted Working Space, Add	7.63	
	For 300 Lb. Rating, Add	16.60	
	For Standard Weight Cast Iron Fittings, Add	0.10	
23 21 13 23-0106	EA 1/2", 150 Lb., Black Malleable Iron Coupling	35.35	20.37
	For Work In Restricted Working Space, Add	9.15	
	For 300 Lb. Rating, Add	13.45	
	For Standard Weight Cast Iron Fittings, Add	0.08	
23 21 13 23-0107	EA 3/4", 150 Lb., Black Malleable Iron Coupling	39.81	22.77
	For Work In Restricted Working Space, Add	10.25	
	For 300 Lb. Rating, Add	15.63	
	For Standard Weight Cast Iron Fittings, Add	0.09	
23 21 13 23-0108	EA 1", 150 Lb., Black Malleable Iron Coupling	46.62	25.40
	For Work In Restricted Working Space, Add	11.44	
	For 300 Lb. Rating, Add	22.64	
	For Standard Weight Cast Iron Fittings, Add	0.14	
23 21 13 23-0109	EA 1-1/4", 150 Lb., Black Malleable Iron Coupling	54.16	28.84
	For Work In Restricted Working Space, Add	12.95	
	For 300 Lb. Rating, Add	28.97	
	For Standard Weight Cast Iron Fittings, Add	0.18	
23 21 13 23-0110	EA 1-1/2", 150 Lb., Black Malleable Iron Coupling	63.53	32.49
	For Work In Restricted Working Space, Add	14.61	
	For 300 Lb. Rating, Add	38.54	
	For Standard Weight Cast Iron Fittings, Add	0.24	
23 21 13 23-0111	EA 2", 150 Lb., Black Malleable Iron Coupling	83.85	41.30
	For Work In Restricted Working Space, Add	18.56	
	For 300 Lb. Rating, Add	56.51	
	For Standard Weight Cast Iron Fittings, Add	0.35	
23 21 13 23-0112	EA 2-1/2", 150 Lb., Black Malleable Iron Coupling	152.23	61.10
	For Work In Restricted Working Space, Add	27.46	
	For 300 Lb. Rating, Add	151.17	
	For Standard Weight Cast Iron Fittings, Add	0.97	
23 21 13 23-0113	EA 3", 150 Lb., Black Malleable Iron Coupling	202.51	80.33
	For Work In Restricted Working Space, Add	36.13	
	For 300 Lb. Rating, Add	204.19	
	For Standard Weight Cast Iron Fittings, Add	1.31	
23 21 13 23-0114	EA 4", 150 Lb., Black Malleable Iron Coupling	290.67	83.61
	For Work In Restricted Working Space, Add	37.62	
	For 300 Lb. Rating, Add	404.20	
	For Standard Weight Cast Iron Fittings, Add	2.64	
23 21 13 23-0115	EA 5", 150 Lb., Black Malleable Iron Coupling	596.24	87.27
	For Work In Restricted Working Space, Add	39.25	
	For 300 Lb. Rating, Add	1,124.81	
	For Standard Weight Cast Iron Fittings, Add	7.45	
23 21 13 23-0116	EA 6", 150 Lb., Black Malleable Iron Coupling	667.00	91.24
	For Work In Restricted Working Space, Add	41.04	
	For 300 Lb. Rating, Add	1,280.71	
	For Standard Weight Cast Iron Fittings, Add	8.48	

23 21 13 23-0117 Black Malleable Iron Reducing Couplings (23 21 13 23-0014)

23 21 13 23-0118	EA 1/2", 150 Lb., Black Malleable Iron Reducing Coupling	36.51	20.37
	For Work In Restricted Working Space, Add	9.15	
	For 300 Lb. Rating, Add	16.23	
	For Standard Weight Cast Iron Fittings, Add	0.10	
23 21 13 23-0119	EA 3/4", 150 Lb., Black Malleable Iron Reducing Coupling	40.51	22.77
	For Work In Restricted Working Space, Add	10.25	
	For 300 Lb. Rating, Add	17.31	
	For Standard Weight Cast Iron Fittings, Add	0.10	
23 21 13 23-0120	EA 1", 150 Lb., Black Malleable Iron Reducing Coupling	48.04	25.40
	For Work In Restricted Working Space, Add	11.44	
	For 300 Lb. Rating, Add	26.05	
	For Standard Weight Cast Iron Fittings, Add	0.16	
23 21 13 23-0121	EA 1-1/4", 150 Lb., Black Malleable Iron Reducing Coupling	55.90	28.84
	For Work In Restricted Working Space, Add	12.95	
	For 300 Lb. Rating, Add	33.14	
	For Standard Weight Cast Iron Fittings, Add	0.20	
23 21 13 23-0122	EA 1-1/2", 150 Lb., Black Malleable Iron Reducing Coupling	64.78	32.49
	For Work In Restricted Working Space, Add	14.61	
	For 300 Lb. Rating, Add	41.54	
	For Standard Weight Cast Iron Fittings, Add	0.26	
23 21 13 23-0123	EA 2", 150 Lb., Black Malleable Iron Reducing Coupling	85.16	41.30
	For Work In Restricted Working Space, Add	18.56	
	For 300 Lb. Rating, Add	59.66	
	For Standard Weight Cast Iron Fittings, Add	0.37	
23 21 13 23-0124	EA 2-1/2", 150 Lb., Black Malleable Iron Reducing Coupling	160.42	61.10
	For Work In Restricted Working Space, Add	27.46	
	For 300 Lb. Rating, Add	170.83	
	For Standard Weight Cast Iron Fittings, Add	1.10	
23 21 13 23-0125	EA 3", 150 Lb., Black Malleable Iron Reducing Coupling	204.19	80.33
	For Work In Restricted Working Space, Add	36.13	
	For 300 Lb. Rating, Add	208.23	
	For Standard Weight Cast Iron Fittings, Add	1.34	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0126	EA	4", 150 Lb., Black Malleable Iron Reducing Coupling	293.25	83.61
		For Work In Restricted Working Space, Add	37.62	
		For 300 Lb. Rating, Add	410.39	
		For Standard Weight Cast Iron Fittings, Add	2.69	
23 21 13 23-0127	EA	5", 150 Lb., Black Malleable Iron Reducing Coupling	508.14	87.27
		For Work In Restricted Working Space, Add	39.25	
		For 300 Lb. Rating, Add	913.37	
		For Standard Weight Cast Iron Fittings, Add	6.04	
23 21 13 23-0128	EA	6", 150 Lb., Black Malleable Iron Reducing Coupling	621.40	91.24
		For Work In Restricted Working Space, Add	41.04	
		For 300 Lb. Rating, Add	1,171.27	
		For Standard Weight Cast Iron Fittings, Add	7.75	
23 21 13 23-0129 Black Malleable Iron Caps (23 21 13 23-0014)				
23 21 13 23-0130	EA	1/2", 150 Lb., Black Malleable Iron Cap	17.27	9.04
		For Work In Restricted Working Space, Add	4.12	
		For 300 Lb. Rating, Add	9.32	
		For Standard Weight Cast Iron Fittings, Add	0.06	
23 21 13 23-0131	EA	3/4", 150 Lb., Black Malleable Iron Cap	20.15	10.18
		For Work In Restricted Working Space, Add	4.61	
		For 300 Lb. Rating, Add	12.42	
		For Standard Weight Cast Iron Fittings, Add	0.08	
23 21 13 23-0132	EA	1", 150 Lb., Black Malleable Iron Cap	22.96	11.33
		For Work In Restricted Working Space, Add	5.15	
		For 300 Lb. Rating, Add	14.93	
		For Standard Weight Cast Iron Fittings, Add	0.09	
23 21 13 23-0133	EA	1-1/4", 150 Lb., Black Malleable Iron Cap	27.06	12.82
		For Work In Restricted Working Space, Add	5.83	
		For 300 Lb. Rating, Add	19.48	
		For Standard Weight Cast Iron Fittings, Add	0.12	
23 21 13 23-0134	EA	1-1/2", 150 Lb., Black Malleable Iron Cap	32.40	14.42
		For Work In Restricted Working Space, Add	6.57	
		For 300 Lb. Rating, Add	26.49	
		For Standard Weight Cast Iron Fittings, Add	0.17	
23 21 13 23-0135	EA	2", 150 Lb., Black Malleable Iron Cap	43.14	18.43
		For Work In Restricted Working Space, Add	8.35	
		For 300 Lb. Rating, Add	38.41	
		For Standard Weight Cast Iron Fittings, Add	0.24	
23 21 13 23-0136	EA	2-1/2", 150 Lb., Black Malleable Iron Cap	76.33	27.24
		For Work In Restricted Working Space, Add	12.36	
		For 300 Lb. Rating, Add	86.81	
		For Standard Weight Cast Iron Fittings, Add	0.56	
23 21 13 23-0137	EA	3", 150 Lb., Black Malleable Iron Cap	106.01	35.81
		For Work In Restricted Working Space, Add	16.26	
		For 300 Lb. Rating, Add	127.60	
		For Standard Weight Cast Iron Fittings, Add	0.83	
23 21 13 23-0138	EA	4", 150 Lb., Black Malleable Iron Cap	145.27	37.29
		For Work In Restricted Working Space, Add	16.93	
		For 300 Lb. Rating, Add	216.63	
		For Standard Weight Cast Iron Fittings, Add	1.42	
23 21 13 23-0139	EA	5", 150 Lb., Black Malleable Iron Cap	270.63	38.90
		For Work In Restricted Working Space, Add	17.66	
		For 300 Lb. Rating, Add	511.76	
		For Standard Weight Cast Iron Fittings, Add	3.39	
23 21 13 23-0140	EA	6", 150 Lb., Black Malleable Iron Cap	449.72	40.63
		For Work In Restricted Working Space, Add	18.47	
		For 300 Lb. Rating, Add	935.30	
		For Standard Weight Cast Iron Fittings, Add	6.21	
23 21 13 23-0141 Black Malleable Iron Unions (23 21 13 23-0014)				
23 21 13 23-0142	EA	3/8", 150 Lb., Black Malleable Iron Union	42.38	16.94
		For Work In Restricted Working Space, Add	7.63	
23 21 13 23-0143	EA	1/2", 150 Lb., Black Malleable Iron Union	53.49	25.40
		For Work In Restricted Working Space, Add	11.44	
23 21 13 23-0144	EA	3/4", 150 Lb., Black Malleable Iron Union	61.66	29.41
		For Work In Restricted Working Space, Add	13.20	
23 21 13 23-0145	EA	1", 150 Lb., Black Malleable Iron Union	75.01	34.67
		For Work In Restricted Working Space, Add	15.60	
23 21 13 23-0146	EA	1-1/4", 150 Lb., Black Malleable Iron Union	94.85	41.30
		For Work In Restricted Working Space, Add	18.56	
23 21 13 23-0147	EA	1-1/2", 150 Lb., Black Malleable Iron Union	114.96	49.21
		For Work In Restricted Working Space, Add	22.15	
23 21 13 23-0148	EA	2", 150 Lb., Black Malleable Iron Union	139.37	61.10
		For Work In Restricted Working Space, Add	27.46	
23 21 13 23-0149	EA	2-1/2", 150 Lb., Black Malleable Iron Union	277.64	90.04
		For Work In Restricted Working Space, Add	40.54	
23 21 13 23-0150	EA	3", 150 Lb., Black Malleable Iron Union	349.37	118.43
		For Work In Restricted Working Space, Add	53.34	
23 21 13 23-0151	EA	3/8", 250 Lb., Black Malleable Iron Union	47.84	16.94
		For Work In Restricted Working Space, Add	7.63	
23 21 13 23-0152	EA	1/2", 250 Lb., Black Malleable Iron Union	63.86	25.40
		For Work In Restricted Working Space, Add	11.44	
23 21 13 23-0153	EA	3/4", 250 Lb., Black Malleable Iron Union	69.31	29.41
		For Work In Restricted Working Space, Add	13.20	
23 21 13 23-0154	EA	1", 250 Lb., Black Malleable Iron Union	83.05	34.67
		For Work In Restricted Working Space, Add	15.60	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

23 21 13 23-0155	EA 1-1/4", 250 Lb., Black Malleable Iron Union	113.93	41.30
	<i>For Work In Restricted Working Space, Add</i>	18.55	
23 21 13 23-0156	EA 1-1/2", 250 Lb., Black Malleable Iron Union	133.79	49.21
	<i>For Work In Restricted Working Space, Add</i>	22.15	
23 21 13 23-0157	EA 2", 250 Lb., Black Malleable Iron Union	168.46	61.10
	<i>For Work In Restricted Working Space, Add</i>	27.46	
23 21 13 23-0158	EA 2-1/2", 250 Lb., Black Malleable Iron Union	376.27	90.04
	<i>For Work In Restricted Working Space, Add</i>	40.54	
23 21 13 23-0159	EA 3", 250 Lb., Black Malleable Iron Union	460.01	118.43
	<i>For Work In Restricted Working Space, Add</i>	53.34	
23 21 13 23-0160	EA 4", 250 Lb., Black Malleable Iron Union	685.32	123.38
	<i>For Work In Restricted Working Space, Add</i>	55.53	
23 21 13 23-0161	EA 3/8", 300 Lb., Black Malleable Iron Union	61.80	16.94
	<i>For Work In Restricted Working Space, Add</i>	7.63	
23 21 13 23-0162	EA 1/2", 300 Lb., Black Malleable Iron Union	67.57	25.40
	<i>For Work In Restricted Working Space, Add</i>	11.44	
23 21 13 23-0163	EA 3/4", 300 Lb., Black Malleable Iron Union	76.60	29.41
	<i>For Work In Restricted Working Space, Add</i>	13.20	
23 21 13 23-0164	EA 1", 300 Lb., Black Malleable Iron Union	94.56	34.67
	<i>For Work In Restricted Working Space, Add</i>	15.60	
23 21 13 23-0165	EA 1-1/4", 300 Lb., Black Malleable Iron Union	131.25	41.30
	<i>For Work In Restricted Working Space, Add</i>	18.55	
23 21 13 23-0166	EA 1-1/2", 300 Lb., Black Malleable Iron Union	146.50	49.21
	<i>For Work In Restricted Working Space, Add</i>	22.15	
23 21 13 23-0167	EA 2", 300 Lb., Black Malleable Iron Union	181.56	61.10
	<i>For Work In Restricted Working Space, Add</i>	27.46	
23 21 13 23-0168	EA 2-1/2", 300 Lb., Black Malleable Iron Union	425.39	90.04
	<i>For Work In Restricted Working Space, Add</i>	40.54	
23 21 13 23-0169	EA 3", 300 Lb., Black Malleable Iron Union	553.31	118.43
	<i>For Work In Restricted Working Space, Add</i>	53.34	
23 21 13 23-0170	EA 4", 300 Lb., Black Malleable Iron Union	1,376.92	123.38
	<i>For Work In Restricted Working Space, Add</i>	55.53	

23 21 13 23-0171 Black Steel Nipples (23 21 13 23-0014)

23 21 13 23-0172	EA 3/8" x Close, Schedule 40 Black Steel Nipple	20.77	10.87
	<i>For Schedule 80 Nipples, Add</i>	2.22	
	<i>For Work In Restricted Working Space, Add</i>	4.90	
23 21 13 23-0173	EA 1/2" x Close, Schedule 40 Black Steel Nipple	20.08	10.87
	<i>For Schedule 80 Nipples, Add</i>	1.87	
	<i>For Work In Restricted Working Space, Add</i>	4.90	
23 21 13 23-0174	EA 3/4" x Close, Schedule 40 Black Steel Nipple	20.64	10.87
	<i>For Schedule 80 Nipples, Add</i>	2.15	
	<i>For Work In Restricted Working Space, Add</i>	4.90	
23 21 13 23-0175	EA 1" x Close, Schedule 40 Black Steel Nipple	23.83	11.78
	<i>For Schedule 80 Nipples, Add</i>	3.12	
	<i>For Work In Restricted Working Space, Add</i>	5.28	
23 21 13 23-0176	EA 1-1/4" x Close, Schedule 40 Black Steel Nipple	26.97	12.70
	<i>For Schedule 80 Nipples, Add</i>	3.95	
	<i>For Work In Restricted Working Space, Add</i>	5.72	
23 21 13 23-0177	EA 1-1/2" x Close, Schedule 40 Black Steel Nipple	28.91	12.70
	<i>For Schedule 80 Nipples, Add</i>	4.92	
	<i>For Work In Restricted Working Space, Add</i>	5.72	
23 21 13 23-0178	EA 2" x Close, Schedule 40 Black Steel Nipple	38.00	16.36
	<i>For Schedule 80 Nipples, Add</i>	6.70	
	<i>For Work In Restricted Working Space, Add</i>	7.38	
23 21 13 23-0179	EA 2-1/2" x Close, Schedule 40 Black Steel Nipple	72.44	20.37
	<i>For Schedule 80 Nipples, Add</i>	20.97	
	<i>For Work In Restricted Working Space, Add</i>	9.15	
23 21 13 23-0180	EA 3" x Close, Schedule 40 Black Steel Nipple	86.74	24.60
	<i>For Schedule 80 Nipples, Add</i>	24.92	
	<i>For Work In Restricted Working Space, Add</i>	11.07	
23 21 13 23-0181	EA 4" x Close, Schedule 40 Black Steel Nipple	118.04	28.69
	<i>For Schedule 80 Nipples, Add</i>	37.53	
	<i>For Work In Restricted Working Space, Add</i>	12.90	
23 21 13 23-0182	EA 3/8" x 1-1/2" Long, Schedule 40 Black Steel Nipple	21.37	10.87
	<i>For Schedule 80 Nipples, Add</i>	2.52	
	<i>For Work In Restricted Working Space, Add</i>	4.90	
23 21 13 23-0183	EA 1/2" x 1-1/2" Long, Schedule 40 Black Steel Nipple	20.08	10.87
	<i>For Schedule 80 Nipples, Add</i>	1.87	
	<i>For Work In Restricted Working Space, Add</i>	4.90	
23 21 13 23-0184	EA 3/4" x 1-1/2" Long, Schedule 40 Black Steel Nipple	20.96	10.87
	<i>For Schedule 80 Nipples, Add</i>	2.31	
	<i>For Work In Restricted Working Space, Add</i>	4.90	
23 21 13 23-0185	EA 3/8" x 2" Long, Schedule 40 Black Steel Nipple	21.37	10.87
	<i>For Schedule 80 Nipples, Add</i>	2.52	
	<i>For Work In Restricted Working Space, Add</i>	4.90	
23 21 13 23-0186	EA 1/2" x 2" Long, Schedule 40 Black Steel Nipple	20.08	10.87
	<i>For Schedule 80 Nipples, Add</i>	1.87	
	<i>For Work In Restricted Working Space, Add</i>	4.90	
23 21 13 23-0187	EA 3/4" x 2" Long, Schedule 40 Black Steel Nipple	20.96	10.87
	<i>For Schedule 80 Nipples, Add</i>	2.31	
	<i>For Work In Restricted Working Space, Add</i>	4.90	
23 21 13 23-0188	EA 1" x 2" Long, Schedule 40 Black Steel Nipple	24.44	11.78
	<i>For Schedule 80 Nipples, Add</i>	3.42	
	<i>For Work In Restricted Working Space, Add</i>	5.28	
23 21 13 23-0189	EA 1-1/4" x 2" Long, Schedule 40 Black Steel Nipple	28.03	12.70
	<i>For Schedule 80 Nipples, Add</i>	4.48	
	<i>For Work In Restricted Working Space, Add</i>	5.72	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0190	EA	1-1/2" x 2" Long, Schedule 40 Black Steel Nipple	29.69	12.70	
		For Schedule 80 Nipples, Add	5.31		
		For Work In Restricted Working Space, Add	5.72		
23 21 13 23-0191	EA	3/8" x 2-1/2" Long, Schedule 40 Black Steel Nipple	22.81	10.87	
		For Schedule 80 Nipples, Add	3.24		
		For Work In Restricted Working Space, Add	4.90		
23 21 13 23-0192	EA	1/2" x 2-1/2" Long, Schedule 40 Black Steel Nipple	20.77	10.87	
		For Schedule 80 Nipples, Add	2.22		
		For Work In Restricted Working Space, Add	4.90		
23 21 13 23-0193	EA	3/4" x 2-1/2" Long, Schedule 40 Black Steel Nipple	21.56	10.87	
		For Schedule 80 Nipples, Add	2.61		
		For Work In Restricted Working Space, Add	4.90		
23 21 13 23-0194	EA	1" x 2-1/2" Long, Schedule 40 Black Steel Nipple	24.85	11.78	
		For Schedule 80 Nipples, Add	3.63		
		For Work In Restricted Working Space, Add	5.28		
23 21 13 23-0195	EA	1-1/4" x 2-1/2" Long, Schedule 40 Black Steel Nipple	28.58	12.70	
		For Schedule 80 Nipples, Add	4.76		
		For Work In Restricted Working Space, Add	5.72		
23 21 13 23-0196	EA	1-1/2" x 2-1/2" Long, Schedule 40 Black Steel Nipple	30.94	12.70	
		For Schedule 80 Nipples, Add	5.94		
		For Work In Restricted Working Space, Add	5.72		
23 21 13 23-0197	EA	2" x 2-1/2" Long, Schedule 40 Black Steel Nipple	39.99	16.36	
		For Schedule 80 Nipples, Add	7.69		
		For Work In Restricted Working Space, Add	7.38		
23 21 13 23-0198	EA	3/8" x 3" Long, Schedule 40 Black Steel Nipple	22.81	10.87	
		For Schedule 80 Nipples, Add	3.24		
		For Work In Restricted Working Space, Add	4.90		
23 21 13 23-0199	EA	1/2" x 3" Long, Schedule 40 Black Steel Nipple	20.77	10.87	
		For Schedule 80 Nipples, Add	2.22		
		For Work In Restricted Working Space, Add	4.90		
23 21 13 23-0200	EA	3/4" x 3" Long, Schedule 40 Black Steel Nipple	21.56	10.87	
		For Schedule 80 Nipples, Add	2.61		
		For Work In Restricted Working Space, Add	4.90		
23 21 13 23-0201	EA	1" x 3" Long, Schedule 40 Black Steel Nipple	24.85	11.78	
		For Schedule 80 Nipples, Add	3.63		
		For Work In Restricted Working Space, Add	5.28		
23 21 13 23-0202	EA	1-1/4" x 3" Long, Schedule 40 Black Steel Nipple	28.58	12.70	
		For Schedule 80 Nipples, Add	4.76		
		For Work In Restricted Working Space, Add	5.72		
23 21 13 23-0203	EA	1-1/2" x 3" Long, Schedule 40 Black Steel Nipple	30.94	12.70	
		For Schedule 80 Nipples, Add	5.94		
		For Work In Restricted Working Space, Add	5.72		
23 21 13 23-0204	EA	2" x 3" Long, Schedule 40 Black Steel Nipple	39.99	16.36	
		For Schedule 80 Nipples, Add	7.69		
		For Work In Restricted Working Space, Add	7.38		
23 21 13 23-0205	EA	2-1/2" x 3" Long, Schedule 40 Black Steel Nipple	73.55	20.37	
		For Schedule 80 Nipples, Add	21.52		
		For Work In Restricted Working Space, Add	9.15		
23 21 13 23-0206	EA	3" x 3" Long, Schedule 40 Black Steel Nipple	91.08	24.60	
		For Schedule 80 Nipples, Add	27.09		
		For Work In Restricted Working Space, Add	11.07		
23 21 13 23-0207	EA	3/8" x 3-1/2" Long, Schedule 40 Black Steel Nipple	23.96	10.87	
		For Schedule 80 Nipples, Add	3.81		
		For Work In Restricted Working Space, Add	4.90		
23 21 13 23-0208	EA	1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple	21.65	10.87	
		For Schedule 80 Nipples, Add	2.66		
		For Work In Restricted Working Space, Add	4.90		
23 21 13 23-0209	EA	3/4" x 3-1/2" Long, Schedule 40 Black Steel Nipple	22.81	10.87	
		For Schedule 80 Nipples, Add	3.24		
		For Work In Restricted Working Space, Add	4.90		
23 21 13 23-0210	EA	1" x 3-1/2" Long, Schedule 40 Black Steel Nipple	26.56	11.78	
		For Schedule 80 Nipples, Add	4.48		
		For Work In Restricted Working Space, Add	5.28		
23 21 13 23-0211	EA	1-1/4" x 3-1/2" Long, Schedule 40 Black Steel Nipple	30.34	12.70	
		For Schedule 80 Nipples, Add	5.64		
		For Work In Restricted Working Space, Add	5.72		
23 21 13 23-0212	EA	1-1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple	32.37	12.70	
		For Schedule 80 Nipples, Add	6.65		
		For Work In Restricted Working Space, Add	5.72		
23 21 13 23-0213	EA	2" x 3-1/2" Long, Schedule 40 Black Steel Nipple	43.22	16.36	
		For Schedule 80 Nipples, Add	9.31		
		For Work In Restricted Working Space, Add	7.38		
23 21 13 23-0214	EA	2-1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple	81.13	20.37	
		For Schedule 80 Nipples, Add	25.31		
		For Work In Restricted Working Space, Add	9.15		
23 21 13 23-0215	EA	3" x 3-1/2" Long, Schedule 40 Black Steel Nipple	101.06	24.60	
		For Schedule 80 Nipples, Add	32.08		
		For Work In Restricted Working Space, Add	11.07		
23 21 13 23-0216	EA	3/8" x 4" Long, Schedule 40 Black Steel Nipple	23.96	10.87	
		For Schedule 80 Nipples, Add	3.81		
		For Work In Restricted Working Space, Add	4.90		
23 21 13 23-0217	EA	1/2" x 4" Long, Schedule 40 Black Steel Nipple	21.65	10.87	
		For Schedule 80 Nipples, Add	2.66		
		For Work In Restricted Working Space, Add	4.90		
23 21 13 23-0218	EA	3/4" x 4" Long, Schedule 40 Black Steel Nipple	22.81	10.87	
		For Schedule 80 Nipples, Add	3.24		
		For Work In Restricted Working Space, Add	4.90		
23 21 13 23-0219	EA	1" x 4" Long, Schedule 40 Black Steel Nipple	26.56	11.78	
		For Schedule 80 Nipples, Add	4.48		
		For Work In Restricted Working Space, Add	5.28		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 21 13 23-0220	EA 1-1/4" x 4" Long, Schedule 40 Black Steel Nipple	30.34	12.70
	For Schedule 80 Nipples, Add	5.64	
	For Work In Restricted Working Space, Add	5.72	
23 21 13 23-0221	EA 1-1/2" x 4" Long, Schedule 40 Black Steel Nipple	32.37	12.70
	For Schedule 80 Nipples, Add	6.65	
	For Work In Restricted Working Space, Add	5.72	
23 21 13 23-0222	EA 2" x 4" Long, Schedule 40 Black Steel Nipple	43.22	16.36
	For Schedule 80 Nipples, Add	9.31	
	For Work In Restricted Working Space, Add	7.38	
23 21 13 23-0223	EA 2-1/2" x 4" Long, Schedule 40 Black Steel Nipple	81.13	20.37
	For Schedule 80 Nipples, Add	25.31	
	For Work In Restricted Working Space, Add	9.15	
23 21 13 23-0224	EA 3" x 4" Long, Schedule 40 Black Steel Nipple	101.06	24.60
	For Schedule 80 Nipples, Add	32.08	
	For Work In Restricted Working Space, Add	11.07	
23 21 13 23-0225	EA 4" x 4" Long, Schedule 40 Black Steel Nipple	129.81	28.69
	For Schedule 80 Nipples, Add	43.41	
	For Work In Restricted Working Space, Add	12.90	
23 21 13 23-0226	EA 3/8" x 4-1/2" Long, Schedule 40 Black Steel Nipple	27.33	10.87
	For Schedule 80 Nipples, Add	5.50	
	For Work In Restricted Working Space, Add	4.90	
23 21 13 23-0227	EA 1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple	22.57	10.87
	For Schedule 80 Nipples, Add	3.12	
	For Work In Restricted Working Space, Add	4.90	
23 21 13 23-0228	EA 3/4" x 4-1/2" Long, Schedule 40 Black Steel Nipple	24.47	10.87
	For Schedule 80 Nipples, Add	4.07	
	For Work In Restricted Working Space, Add	4.90	
23 21 13 23-0229	EA 1" x 4-1/2" Long, Schedule 40 Black Steel Nipple	28.22	11.78
	For Schedule 80 Nipples, Add	5.31	
	For Work In Restricted Working Space, Add	5.28	
23 21 13 23-0230	EA 1-1/4" x 4-1/2" Long, Schedule 40 Black Steel Nipple	32.56	12.70
	For Schedule 80 Nipples, Add	6.75	
	For Work In Restricted Working Space, Add	5.72	
23 21 13 23-0231	EA 1-1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple	35.33	12.70
	For Schedule 80 Nipples, Add	8.13	
	For Work In Restricted Working Space, Add	5.72	
23 21 13 23-0232	EA 2" x 4-1/2" Long, Schedule 40 Black Steel Nipple	46.04	16.36
	For Schedule 80 Nipples, Add	10.72	
	For Work In Restricted Working Space, Add	7.38	
23 21 13 23-0233	EA 2-1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple	86.11	20.37
	For Schedule 80 Nipples, Add	27.80	
	For Work In Restricted Working Space, Add	9.15	
23 21 13 23-0234	EA 3" x 4-1/2" Long, Schedule 40 Black Steel Nipple	107.66	24.60
	For Schedule 80 Nipples, Add	35.38	
	For Work In Restricted Working Space, Add	11.07	
23 21 13 23-0235	EA 4" x 4-1/2" Long, Schedule 40 Black Steel Nipple	142.19	28.69
	For Schedule 80 Nipples, Add	49.60	
	For Work In Restricted Working Space, Add	12.90	
23 21 13 23-0236	EA 3/8" x 5" Long, Schedule 40 Black Steel Nipple	27.33	10.87
	For Schedule 80 Nipples, Add	5.50	
	For Work In Restricted Working Space, Add	4.90	
23 21 13 23-0237	EA 1/2" x 5" Long, Schedule 40 Black Steel Nipple	22.57	10.87
	For Schedule 80 Nipples, Add	3.12	
	For Work In Restricted Working Space, Add	4.90	
23 21 13 23-0238	EA 3/4" x 5" Long, Schedule 40 Black Steel Nipple	24.47	10.87
	For Schedule 80 Nipples, Add	4.07	
	For Work In Restricted Working Space, Add	4.90	
23 21 13 23-0239	EA 1" x 5" Long, Schedule 40 Black Steel Nipple	28.22	11.78
	For Schedule 80 Nipples, Add	5.31	
	For Work In Restricted Working Space, Add	5.28	
23 21 13 23-0240	EA 1-1/4" x 5" Long, Schedule 40 Black Steel Nipple	32.56	12.70
	For Schedule 80 Nipples, Add	6.75	
	For Work In Restricted Working Space, Add	5.72	
23 21 13 23-0241	EA 1-1/2" x 5" Long, Schedule 40 Black Steel Nipple	35.33	12.70
	For Schedule 80 Nipples, Add	8.13	
	For Work In Restricted Working Space, Add	5.72	
23 21 13 23-0242	EA 2" x 5" Long, Schedule 40 Black Steel Nipple	46.04	16.36
	For Schedule 80 Nipples, Add	10.72	
	For Work In Restricted Working Space, Add	7.38	
23 21 13 23-0243	EA 2-1/2" x 5" Long, Schedule 40 Black Steel Nipple	86.11	20.37
	For Schedule 80 Nipples, Add	27.80	
	For Work In Restricted Working Space, Add	9.15	
23 21 13 23-0244	EA 3" x 5" Long, Schedule 40 Black Steel Nipple	107.66	24.60
	For Schedule 80 Nipples, Add	35.38	
	For Work In Restricted Working Space, Add	11.07	
23 21 13 23-0245	EA 4" x 5" Long, Schedule 40 Black Steel Nipple	142.19	28.69
	For Schedule 80 Nipples, Add	49.60	
	For Work In Restricted Working Space, Add	12.90	
23 21 13 23-0246	EA 3/8" x 6" Long, Schedule 40 Black Steel Nipple	28.58	10.87
	For Schedule 80 Nipples, Add	6.12	
	For Work In Restricted Working Space, Add	4.90	
23 21 13 23-0247	EA 1/2" x 6" Long, Schedule 40 Black Steel Nipple	23.31	10.87
	For Schedule 80 Nipples, Add	3.49	
	For Work In Restricted Working Space, Add	4.90	
23 21 13 23-0248	EA 3/4" x 6" Long, Schedule 40 Black Steel Nipple	25.58	10.87
	For Schedule 80 Nipples, Add	4.62	
	For Work In Restricted Working Space, Add	4.90	
23 21 13 23-0249	EA 1" x 6" Long, Schedule 40 Black Steel Nipple	30.16	11.78
	For Schedule 80 Nipples, Add	6.28	
	For Work In Restricted Working Space, Add	5.28	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0250	EA	1-1/4" x 6" Long, Schedule 40 Black Steel Nipple	.....	35.05	12.70
		For Schedule 80 Nipples, Add	.....	7.99	
		For Work In Restricted Working Space, Add	.....	5.72	
23 21 13 23-0251	EA	1-1/2" x 6" Long, Schedule 40 Black Steel Nipple	.....	37.73	12.70
		For Schedule 80 Nipples, Add	.....	9.33	
		For Work In Restricted Working Space, Add	.....	5.72	
23 21 13 23-0252	EA	2" x 6" Long, Schedule 40 Black Steel Nipple	.....	49.73	16.36
		For Schedule 80 Nipples, Add	.....	12.56	
		For Work In Restricted Working Space, Add	.....	7.38	
23 21 13 23-0253	EA	2-1/2" x 6" Long, Schedule 40 Black Steel Nipple	.....	88.47	20.37
		For Schedule 80 Nipples, Add	.....	28.98	
		For Work In Restricted Working Space, Add	.....	9.15	
23 21 13 23-0254	EA	3" x 6" Long, Schedule 40 Black Steel Nipple	.....	113.80	24.60
		For Schedule 80 Nipples, Add	.....	38.45	
		For Work In Restricted Working Space, Add	.....	11.07	
23 21 13 23-0255	EA	4" x 6" Long, Schedule 40 Black Steel Nipple	.....	149.03	28.69
		For Schedule 80 Nipples, Add	.....	53.02	
		For Work In Restricted Working Space, Add	.....	12.90	
23 21 13 23-0256	EA	3/8" x 8" Long, Schedule 40 Black Steel Nipple	.....	37.81	10.87
		For Schedule 80 Nipples, Add	.....	10.74	
		For Work In Restricted Working Space, Add	.....	4.90	
23 21 13 23-0257	EA	1/2" x 8" Long, Schedule 40 Black Steel Nipple	.....	28.90	10.87
		For Schedule 80 Nipples, Add	.....	6.28	
		For Work In Restricted Working Space, Add	.....	4.90	
23 21 13 23-0258	EA	3/4" x 8" Long, Schedule 40 Black Steel Nipple	.....	31.72	10.87
		For Schedule 80 Nipples, Add	.....	7.69	
		For Work In Restricted Working Space, Add	.....	4.90	
23 21 13 23-0259	EA	1" x 8" Long, Schedule 40 Black Steel Nipple	.....	38.15	11.78
		For Schedule 80 Nipples, Add	.....	10.28	
		For Work In Restricted Working Space, Add	.....	5.28	
23 21 13 23-0260	EA	1-1/4" x 8" Long, Schedule 40 Black Steel Nipple	.....	44.89	12.70
		For Schedule 80 Nipples, Add	.....	12.91	
		For Work In Restricted Working Space, Add	.....	5.72	
23 21 13 23-0261	EA	1-1/2" x 8" Long, Schedule 40 Black Steel Nipple	.....	48.67	12.70
		For Schedule 80 Nipples, Add	.....	14.80	
		For Work In Restricted Working Space, Add	.....	5.72	
23 21 13 23-0262	EA	2" x 8" Long, Schedule 40 Black Steel Nipple	.....	66.73	16.36
		For Schedule 80 Nipples, Add	.....	21.06	
		For Work In Restricted Working Space, Add	.....	7.38	
23 21 13 23-0263	EA	2-1/2" x 8" Long, Schedule 40 Black Steel Nipple	.....	104.26	20.37
		For Schedule 80 Nipples, Add	.....	36.88	
		For Work In Restricted Working Space, Add	.....	9.15	
23 21 13 23-0264	EA	3" x 8" Long, Schedule 40 Black Steel Nipple	.....	140.64	24.60
		For Schedule 80 Nipples, Add	.....	51.87	
		For Work In Restricted Working Space, Add	.....	11.07	
23 21 13 23-0265	EA	4" x 8" Long, Schedule 40 Black Steel Nipple	.....	165.37	28.69
		For Schedule 80 Nipples, Add	.....	61.19	
		For Work In Restricted Working Space, Add	.....	12.90	
23 21 13 23-0266	EA	3/8" x 10" Long, Schedule 40 Black Steel Nipple	.....	40.45	10.87
		For Schedule 80 Nipples, Add	.....	12.06	
		For Work In Restricted Working Space, Add	.....	4.90	
23 21 13 23-0267	EA	1/2" x 10" Long, Schedule 40 Black Steel Nipple	.....	31.44	10.87
		For Schedule 80 Nipples, Add	.....	7.55	
		For Work In Restricted Working Space, Add	.....	4.90	
23 21 13 23-0268	EA	3/4" x 10" Long, Schedule 40 Black Steel Nipple	.....	34.21	10.87
		For Schedule 80 Nipples, Add	.....	8.94	
		For Work In Restricted Working Space, Add	.....	4.90	
23 21 13 23-0269	EA	1" x 10" Long, Schedule 40 Black Steel Nipple	.....	41.62	11.78
		For Schedule 80 Nipples, Add	.....	12.01	
		For Work In Restricted Working Space, Add	.....	5.28	
23 21 13 23-0270	EA	1-1/4" x 10" Long, Schedule 40 Black Steel Nipple	.....	50.01	12.70
		For Schedule 80 Nipples, Add	.....	15.47	
		For Work In Restricted Working Space, Add	.....	5.72	
23 21 13 23-0271	EA	1-1/2" x 10" Long, Schedule 40 Black Steel Nipple	.....	53.71	12.70
		For Schedule 80 Nipples, Add	.....	17.32	
		For Work In Restricted Working Space, Add	.....	5.72	
23 21 13 23-0272	EA	2" x 10" Long, Schedule 40 Black Steel Nipple	.....	74.12	16.36
		For Schedule 80 Nipples, Add	.....	24.76	
		For Work In Restricted Working Space, Add	.....	7.38	
23 21 13 23-0273	EA	2-1/2" x 10" Long, Schedule 40 Black Steel Nipple	.....	113.36	20.37
		For Schedule 80 Nipples, Add	.....	41.43	
		For Work In Restricted Working Space, Add	.....	9.15	
23 21 13 23-0274	EA	3" x 10" Long, Schedule 40 Black Steel Nipple	.....	153.43	24.60
		For Schedule 80 Nipples, Add	.....	58.26	
		For Work In Restricted Working Space, Add	.....	11.07	
23 21 13 23-0275	EA	4" x 10" Long, Schedule 40 Black Steel Nipple	.....	182.37	28.69
		For Schedule 80 Nipples, Add	.....	69.69	
		For Work In Restricted Working Space, Add	.....	12.90	
23 21 13 23-0276	EA	3/8" x 12" Long, Schedule 40 Black Steel Nipple	.....	43.77	10.87
		For Schedule 80 Nipples, Add	.....	13.72	
		For Work In Restricted Working Space, Add	.....	4.90	
23 21 13 23-0277	EA	1/2" x 12" Long, Schedule 40 Black Steel Nipple	.....	34.26	10.87
		For Schedule 80 Nipples, Add	.....	8.96	
		For Work In Restricted Working Space, Add	.....	4.90	
23 21 13 23-0278	EA	3/4" x 12" Long, Schedule 40 Black Steel Nipple	.....	36.20	10.87
		For Schedule 80 Nipples, Add	.....	9.93	
		For Work In Restricted Working Space, Add	.....	4.90	
23 21 13 23-0279	EA	1" x 12" Long, Schedule 40 Black Steel Nipple	.....	45.17	11.78
		For Schedule 80 Nipples, Add	.....	13.79	
		For Work In Restricted Working Space, Add	.....	5.28	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 21 13 23-0280	EA	1-1/4" x 12" Long, Schedule 40 Black Steel Nipple	54.17	12.70
		<i>For Schedule 80 Nipples, Add</i>	17.55	
		<i>For Work In Restricted Working Space, Add</i>	5.72	
23 21 13 23-0281	EA	1-1/2" x 12" Long, Schedule 40 Black Steel Nipple	58.97	12.70
		<i>For Schedule 80 Nipples, Add</i>	19.95	
		<i>For Work In Restricted Working Space, Add</i>	5.72	
23 21 13 23-0282	EA	2" x 12" Long, Schedule 40 Black Steel Nipple	81.60	16.36
		<i>For Schedule 80 Nipples, Add</i>	28.50	
		<i>For Work In Restricted Working Space, Add</i>	7.38	
23 21 13 23-0283	EA	2-1/2" x 12" Long, Schedule 40 Black Steel Nipple	122.69	20.37
		<i>For Schedule 80 Nipples, Add</i>	46.09	
		<i>For Work In Restricted Working Space, Add</i>	9.15	
23 21 13 23-0284	EA	3" x 12" Long, Schedule 40 Black Steel Nipple	166.22	24.60
		<i>For Schedule 80 Nipples, Add</i>	64.66	
		<i>For Work In Restricted Working Space, Add</i>	11.07	
23 21 13 23-0285	EA	4" x 12" Long, Schedule 40 Black Steel Nipple	206.38	28.69
		<i>For Schedule 80 Nipples, Add</i>	81.70	
		<i>For Work In Restricted Working Space, Add</i>	12.90	

23 21 13 23-0286 Black Malleable Iron Bushing (23 21 13 23-0014)

23 21 13 23-0287	EA	1/2" x 3/8", 150 Lb., Black Malleable Iron Bushing	33.34	18.65
		<i>For Work In Restricted Working Space, Add</i>	8.39	
23 21 13 23-0288	EA	3/4" x 3/8", 150 Lb., Black Malleable Iron Bushing	37.79	20.03
		<i>For Work In Restricted Working Space, Add</i>	9.01	
23 21 13 23-0289	EA	3/4" x 1/2", 150 Lb., Black Malleable Iron Bushing	40.08	21.51
		<i>For Work In Restricted Working Space, Add</i>	9.70	
23 21 13 23-0290	EA	1" x 3/8", 150 Lb., Black Malleable Iron Bushing	42.72	21.40
		<i>For Work In Restricted Working Space, Add</i>	9.61	
23 21 13 23-0291	EA	1" x 1/2", 150 Lb., Black Malleable Iron Bushing	42.30	22.89
		<i>For Work In Restricted Working Space, Add</i>	10.30	
23 21 13 23-0292	EA	1" x 3/4", 150 Lb., Black Malleable Iron Bushing	44.13	24.14
		<i>For Work In Restricted Working Space, Add</i>	10.85	
23 21 13 23-0293	EA	1-1/4" x 3/8", 150 Lb., Black Malleable Iron Bushing	46.54	23.00
		<i>For Work In Restricted Working Space, Add</i>	10.37	
23 21 13 23-0294	EA	1-1/4" x 1/2", 150 Lb., Black Malleable Iron Bushing	48.29	24.60
		<i>For Work In Restricted Working Space, Add</i>	11.05	
23 21 13 23-0295	EA	1-1/4" x 3/4", 150 Lb., Black Malleable Iron Bushing	48.96	25.75
		<i>For Work In Restricted Working Space, Add</i>	11.60	
23 21 13 23-0296	EA	1-1/4" x 1", 150 Lb., Black Malleable Iron Bushing	50.96	27.11
		<i>For Work In Restricted Working Space, Add</i>	12.20	
23 21 13 23-0297	EA	1-1/2" x 3/8", 150 Lb., Black Malleable Iron Bushing	53.12	24.94
		<i>For Work In Restricted Working Space, Add</i>	11.19	
23 21 13 23-0298	EA	1-1/2" x 1/2", 150 Lb., Black Malleable Iron Bushing	52.63	26.43
		<i>For Work In Restricted Working Space, Add</i>	11.88	
23 21 13 23-0299	EA	1-1/2" x 3/4", 150 Lb., Black Malleable Iron Bushing	54.45	27.58
		<i>For Work In Restricted Working Space, Add</i>	12.43	
23 21 13 23-0300	EA	1-1/2" x 1", 150 Lb., Black Malleable Iron Bushing	54.87	28.95
		<i>For Work In Restricted Working Space, Add</i>	13.03	
23 21 13 23-0301	EA	1-1/2" x 1-1/4", 150 Lb., Black Malleable Iron Bushing	59.00	30.67
		<i>For Work In Restricted Working Space, Add</i>	13.78	
23 21 13 23-0302	EA	2" x 3/8", 150 Lb., Black Malleable Iron Bushing	66.22	29.29
		<i>For Work In Restricted Working Space, Add</i>	13.17	
23 21 13 23-0303	EA	2" x 1/2", 150 Lb., Black Malleable Iron Bushing	65.87	30.78
		<i>For Work In Restricted Working Space, Add</i>	13.86	
23 21 13 23-0304	EA	2" x 3/4", 150 Lb., Black Malleable Iron Bushing	64.65	32.04
		<i>For Work In Restricted Working Space, Add</i>	14.40	
23 21 13 23-0305	EA	2" x 1", 150 Lb., Black Malleable Iron Bushing	65.59	33.30
		<i>For Work In Restricted Working Space, Add</i>	15.00	
23 21 13 23-0306	EA	2" x 1-1/4", 150 Lb., Black Malleable Iron Bushing	68.11	35.01
		<i>For Work In Restricted Working Space, Add</i>	15.75	
23 21 13 23-0307	EA	2" x 1-1/2", 150 Lb., Black Malleable Iron Bushing	72.63	36.84
		<i>For Work In Restricted Working Space, Add</i>	16.58	
23 21 13 23-0308	EA	2-1/2" x 3/4", 150 Lb., Black Malleable Iron Bushing	91.19	41.88
		<i>For Work In Restricted Working Space, Add</i>	18.86	
23 21 13 23-0309	EA	2-1/2" x 1", 150 Lb., Black Malleable Iron Bushing	93.18	43.26
		<i>For Work In Restricted Working Space, Add</i>	19.45	
23 21 13 23-0310	EA	2-1/2" x 1-1/4", 150 Lb., Black Malleable Iron Bushing	95.70	44.86
		<i>For Work In Restricted Working Space, Add</i>	20.21	
23 21 13 23-0311	EA	2-1/2" x 1-1/2", 150 Lb., Black Malleable Iron Bushing	96.52	46.80
		<i>For Work In Restricted Working Space, Add</i>	21.04	
23 21 13 23-0312	EA	2-1/2" x 2", 150 Lb., Black Malleable Iron Bushing	102.88	51.15
		<i>For Work In Restricted Working Space, Add</i>	23.01	
23 21 13 23-0313	EA	3" x 3/4", 150 Lb., Black Malleable Iron Bushing	116.51	51.49
		<i>For Work In Restricted Working Space, Add</i>	23.19	
23 21 13 23-0314	EA	3" x 1", 150 Lb., Black Malleable Iron Bushing	118.49	52.86
		<i>For Work In Restricted Working Space, Add</i>	23.79	
23 21 13 23-0315	EA	3" x 1-1/4", 150 Lb., Black Malleable Iron Bushing	121.01	54.58
		<i>For Work In Restricted Working Space, Add</i>	24.54	
23 21 13 23-0316	EA	3" x 1-1/2", 150 Lb., Black Malleable Iron Bushing	123.01	56.40
		<i>For Work In Restricted Working Space, Add</i>	25.37	
23 21 13 23-0317	EA	3" x 2", 150 Lb., Black Malleable Iron Bushing	127.07	60.75
		<i>For Work In Restricted Working Space, Add</i>	27.35	
23 21 13 23-0318	EA	3" x 2-1/2", 150 Lb., Black Malleable Iron Bushing	142.44	70.71
		<i>For Work In Restricted Working Space, Add</i>	31.79	
23 21 13 23-0319	EA	4" x 3/4", 150 Lb., Black Malleable Iron Bushing	153.93	52.45
		<i>For Work In Restricted Working Space, Add</i>	23.62	
23 21 13 23-0320	EA	4" x 1", 150 Lb., Black Malleable Iron Bushing	155.80	53.74
		<i>For Work In Restricted Working Space, Add</i>	24.18	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0321	EA	4" x 1-1/4", 150 Lb., Black Malleable Iron Bushing	158.16	55.35
		<i>For Work In Restricted Working Space, Add</i>	24.89	
23 21 13 23-0322	EA	4" x 1-1/2", 150 Lb., Black Malleable Iron Bushing	160.75	57.07
		<i>For Work In Restricted Working Space, Add</i>	25.67	
23 21 13 23-0323	EA	4" x 2", 150 Lb., Black Malleable Iron Bushing	162.89	61.16
		<i>For Work In Restricted Working Space, Add</i>	27.52	
23 21 13 23-0324	EA	4" x 2-1/2", 150 Lb., Black Malleable Iron Bushing	176.83	70.50
		<i>For Work In Restricted Working Space, Add</i>	31.70	
23 21 13 23-0325	EA	4" x 3", 150 Lb., Black Malleable Iron Bushing	190.41	79.53
		<i>For Work In Restricted Working Space, Add</i>	35.78	
23 21 13 23-0326 Black Malleable Iron Square Head Plugs (23 21 13 23-0014)				
23 21 13 23-0327	EA	3/8", 150 Lb., Black Malleable Iron Square Head Plug	14.27	6.75
		<i>For Work In Restricted Working Space, Add</i>	3.05	
23 21 13 23-0328	EA	1/2", 150 Lb., Black Malleable Iron Square Head Plug	16.59	8.13
		<i>For Work In Restricted Working Space, Add</i>	3.66	
23 21 13 23-0329	EA	3/4", 150 Lb., Black Malleable Iron Square Head Plug	18.04	9.15
		<i>For Work In Restricted Working Space, Add</i>	4.10	
23 21 13 23-0330	EA	1", 150 Lb., Black Malleable Iron Square Head Plug	20.76	10.18
		<i>For Work In Restricted Working Space, Add</i>	4.58	
23 21 13 23-0331	EA	1-1/4", 150 Lb., Black Malleable Iron Square Head Plug	24.21	11.56
		<i>For Work In Restricted Working Space, Add</i>	5.18	
23 21 13 23-0332	EA	1-1/2", 150 Lb., Black Malleable Iron Square Head Plug	29.15	12.93
		<i>For Work In Restricted Working Space, Add</i>	5.84	
23 21 13 23-0333	EA	2", 150 Lb., Black Malleable Iron Square Head Plug	38.49	16.47
		<i>For Work In Restricted Working Space, Add</i>	7.42	
23 21 13 23-0334	EA	2-1/2", 150 Lb., Black Malleable Iron Square Head Plug	61.64	24.38
		<i>For Work In Restricted Working Space, Add</i>	10.98	
23 21 13 23-0335	EA	3", 150 Lb., Black Malleable Iron Square Head Plug	82.54	32.15
		<i>For Work In Restricted Working Space, Add</i>	14.45	
23 21 13 23-0336	EA	4", 150 Lb., Black Malleable Iron Square Head Plug	122.24	33.42
		<i>For Work In Restricted Working Space, Add</i>	15.05	
23 21 13 23-0337	EA	5", 150 Lb., Black Malleable Iron Square Head Plug	207.16	34.93
		<i>For Work In Restricted Working Space, Add</i>	15.70	
23 21 13 23-0338	EA	6", 150 Lb., Black Malleable Iron Square Head Plug	246.48	36.43
		<i>For Work In Restricted Working Space, Add</i>	16.42	
23 21 13 23-0339 125 Lb., Black Cast Iron Screwed Flanges (23 21 13 23-0014)				
Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.				
23 21 13 23-0340	EA	3/4", 125 Lb., Black Cast Iron Flange	147.13	45.77
		<i>For Work In Restricted Working Space, Add</i>	20.60	
23 21 13 23-0341	EA	1", 125 Lb., Black Cast Iron Flange	127.48	51.72
		<i>For Work In Restricted Working Space, Add</i>	23.27	
23 21 13 23-0342	EA	1-1/4", 125 Lb., Black Cast Iron Flange	140.01	53.55
		<i>For Work In Restricted Working Space, Add</i>	24.09	
23 21 13 23-0343	EA	1-1/2", 125 Lb., Black Cast Iron Flange	142.53	58.24
		<i>For Work In Restricted Working Space, Add</i>	26.21	
23 21 13 23-0344	EA	2", 125 Lb., Black Cast Iron Flange	146.23	60.75
		<i>For Work In Restricted Working Space, Add</i>	27.35	
23 21 13 23-0345	EA	2-1/2", 125 Lb., Black Cast Iron Flange	169.86	70.37
		<i>For Work In Restricted Working Space, Add</i>	31.63	
23 21 13 23-0346	EA	3", 125 Lb., Black Cast Iron Flange	216.81	89.25
		<i>For Work In Restricted Working Space, Add</i>	40.15	
23 21 13 23-0347	EA	4", 125 Lb., Black Cast Iron Flange	283.80	114.68
		<i>For Work In Restricted Working Space, Add</i>	51.59	
23 21 13 23-0348	EA	5", 125 Lb., Black Cast Iron Flange	362.70	136.60
		<i>For Work In Restricted Working Space, Add</i>	61.41	
23 21 13 23-0349	EA	6", 125 Lb., Black Cast Iron Flange	413.86	156.81
		<i>For Work In Restricted Working Space, Add</i>	70.53	
23 21 13 23-0350 150 Lb., Black Malleable Iron Flanges (23 21 13 23-0014)				
Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.				
23 21 13 23-0351	EA	1/2", 150 Lb., Black Malleable Iron Flange	80.05	41.76
		<i>For Work In Restricted Working Space, Add</i>	18.81	
23 21 13 23-0352	EA	3/4", 150 Lb., Black Malleable Iron Flange	87.36	45.77
		<i>For Work In Restricted Working Space, Add</i>	20.60	
23 21 13 23-0353	EA	1", 150 Lb., Black Malleable Iron Flange	101.87	51.72
		<i>For Work In Restricted Working Space, Add</i>	23.27	
23 21 13 23-0354	EA	1-1/4", 150 Lb., Black Malleable Iron Flange	106.27	53.55
		<i>For Work In Restricted Working Space, Add</i>	24.09	
23 21 13 23-0355	EA	1-1/2", 150 Lb., Black Malleable Iron Flange	115.69	58.24
		<i>For Work In Restricted Working Space, Add</i>	26.21	
23 21 13 23-0356	EA	2", 150 Lb., Black Malleable Iron Flange	128.13	60.75
		<i>For Work In Restricted Working Space, Add</i>	27.35	
23 21 13 23-0357	EA	2-1/2", 150 Lb., Black Malleable Iron Flange	163.42	70.37
		<i>For Work In Restricted Working Space, Add</i>	31.63	
23 21 13 23-0358	EA	3", 150 Lb., Black Malleable Iron Flange	207.06	89.25
		<i>For Work In Restricted Working Space, Add</i>	40.14	
23 21 13 23-0359	EA	4", 150 Lb., Black Malleable Iron Flange	296.38	114.68
		<i>For Work In Restricted Working Space, Add</i>	51.58	
23 21 13 23-0360 Cut And Thread Existing In-Place Black Steel Pipe (23 21 13 23-0014)				
Note: For use when connecting pipe to an existing in-place system.				

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 21 13 23-0361	EA	1/2", Cut And Thread Existing In Place Black Steel Pipe.....	37.28	
		<i>For Work In Restricted Working Space, Add</i>	11.18	
23 21 13 23-0362	EA	3/4", Cut And Thread Existing In Place Black Steel Pipe.....	41.00	
		<i>For Work In Restricted Working Space, Add</i>	12.30	
23 21 13 23-0363	EA	1", Cut And Thread Existing In Place Black Steel Pipe.....	44.74	
		<i>For Work In Restricted Working Space, Add</i>	13.42	
23 21 13 23-0364	EA	1-1/4", Cut And Thread Existing In Place Black Steel Pipe.....	48.46	
		<i>For Work In Restricted Working Space, Add</i>	14.54	
23 21 13 23-0365	EA	1-1/2", Cut And Thread Existing In Place Black Steel Pipe.....	50.94	
		<i>For Work In Restricted Working Space, Add</i>	15.28	
23 21 13 23-0366	EA	2", Cut And Thread Existing In Place Black Steel Pipe.....	53.43	
		<i>For Work In Restricted Working Space, Add</i>	16.03	
23 21 13 23-0367	EA	2-1/2", Cut And Thread Existing In Place Black Steel Pipe.....	55.92	
		<i>For Work In Restricted Working Space, Add</i>	16.78	
23 21 13 23-0368	EA	3", Cut And Thread Existing In Place Black Steel Pipe.....	58.40	
		<i>For Work In Restricted Working Space, Add</i>	17.52	
23 21 13 23-0369	EA	4", Cut And Thread Existing In Place Black Steel Pipe.....	60.89	
		<i>For Work In Restricted Working Space, Add</i>	18.27	
23 21 13 23-0370	EA	6", Cut And Thread Existing In Place Black Steel Pipe.....	65.86	
		<i>For Work In Restricted Working Space, Add</i>	19.76	
23 21 13 23-0371	EA	8", Cut And Thread Existing In Place Black Steel Pipe.....	70.82	
		<i>For Work In Restricted Working Space, Add</i>	21.25	
23 21 13 23-0372	EA	10", Cut And Thread Existing In Place Black Steel Pipe.....	77.04	
		<i>For Work In Restricted Working Space, Add</i>	23.11	
23 21 13 23-0373	EA	12", Cut And Thread Existing In Place Black Steel Pipe.....	82.01	
		<i>For Work In Restricted Working Space, Add</i>	24.60	

23 21 13 23-0374 Welded Black Steel Pipe (23 21 13 23)**23 21 13 23-0375 Welded Plain End Black Steel Pipe Assemblies (23 21 13 23-0374)**

Note: ASTM A-53 pipe and A-234 WPB fittings. Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.

23 21 13 23-0376	LF	3/4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	30.87	8.71
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	6.37	
23 21 13 23-0377	LF	1" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	35.02	9.29
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	7.13	
23 21 13 23-0378	LF	1-1/4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	43.38	9.87
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	8.18	
23 21 13 23-0379	LF	1-1/2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	47.96	9.87
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	8.56	
23 21 13 23-0380	LF	2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	55.22	9.87
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	9.91	
23 21 13 23-0381	LF	2-1/2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	63.93	9.87
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	11.49	
23 21 13 23-0382	LF	3" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	79.38	9.64
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	12.12	
23 21 13 23-0383	LF	4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	108.56	11.72
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	14.54	
23 21 13 23-0384	LF	6" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	155.92	17.47
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	16.75	
23 21 13 23-0385	LF	8" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	235.43	21.70
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	24.85	
23 21 13 23-0386	LF	10" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	318.88	27.13
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	29.63	
23 21 13 23-0387	LF	12" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	406.87	32.77
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	34.24	
23 21 13 23-0388	LF	14" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	420.71	42.75
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	38.20	
23 21 13 23-0389	LF	16" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	483.02	54.26
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	42.68	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0390	LF		18" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	625.97 46.83	67.17
23 21 13 23-0391	LF		20" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	773.33 53.60	83.01
23 21 13 23-0392	LF		24" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	964.92 58.94	94.08
23 21 13 23-0393 Welded Black Steel Pipe And Fittings (23 21 13 23-0374)					
Note: ASTM A-53 pipe and A-234 WPB fittings. Excludes hangers or fittings.					
23 21 13 23-0394 Welded Plain End (A-53) Black Steel Piping (23 21 13 23-0393)					
23 21 13 23-0395	LF		3/4" Schedule 40, Welded Plain End Black Steel Pipe <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Pipe, Add</i>	15.00 2.79 2.54	4.65
23 21 13 23-0396	LF		1" Schedule 40, Welded Plain End Black Steel Pipe <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Pipe, Add</i>	19.20 3.48 3.26	5.81
23 21 13 23-0397	LF		1-1/4" Schedule 40, Welded Plain End Black Steel Pipe <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Pipe, Add</i>	25.07 4.18 4.32	6.97
23 21 13 23-0398	LF		1-1/2" Schedule 40, Welded Plain End Black Steel Pipe <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Pipe, Add</i>	31.04 4.88 5.40	8.13
23 21 13 23-0399	LF		2" Schedule 40, Welded Plain End Black Steel Pipe <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Pipe, Add</i>	36.97 5.78 6.43	9.64
23 21 13 23-0400	LF		2-1/2" Schedule 40, Welded Plain End Black Steel Pipe <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Pipe, Add</i>	42.46 6.55 11.04	10.92
23 21 13 23-0401	LF		3" Schedule 40, Welded Plain End Black Steel Pipe <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Pipe, Add</i>	56.22 7.04 15.57	11.73
23 21 13 23-0402	LF		4" Schedule 40, Welded Plain End Black Steel Pipe <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Pipe, Add</i>	81.54 8.71 23.46	14.51
23 21 13 23-0403	LF		6" Schedule 40, Welded Plain End Black Steel Pipe <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Pipe, Add</i>	124.00 10.80 37.10	23.52
23 21 13 23-0404	LF		8" Schedule 40, Welded Plain End Black Steel Pipe <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 30 Pipe, Deduct</i> <i>For Schedule 80 Pipe, Add</i>	179.32 14.00 -31.20 54.60	23.33
23 21 13 23-0405	LF		10" Schedule 40, Welded Plain End Black Steel Pipe <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 30 Pipe, Deduct</i> <i>For Schedule 80 Pipe, Add</i>	243.99 16.86 -43.18 75.56	28.11
23 21 13 23-0406	LF		12" Schedule 40, Welded Plain End Black Steel Pipe <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 30 Pipe, Deduct</i> <i>For Schedule 80 Pipe, Add</i>	316.25 20.38 -56.46 98.80	33.96
23 21 13 23-0407	LF		14" Schedule 40, Welded Plain End Black Steel Pipe <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 30 Pipe, Deduct</i> <i>For Schedule 20 Pipe, Deduct</i> <i>For Schedule 80 Pipe, Add</i>	298.05 21.48 -52.45 -93.58 91.79	35.81
23 21 13 23-0408	LF		16" Schedule 40, Welded Plain End Black Steel Pipe <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 30 Pipe, Deduct</i> <i>For Schedule 20 Pipe, Deduct</i> <i>For Schedule 80 Pipe, Add</i>	330.14 23.11 -58.32 -103.99 102.07	38.52
23 21 13 23-0409	LF		18" Schedule 40, Welded Plain End Black Steel Pipe <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 30 Pipe, Deduct</i> <i>For Schedule 20 Pipe, Deduct</i> <i>For Schedule 80 Pipe, Add</i>	434.12 25.00 -78.49 -139.44 137.36	41.67
23 21 13 23-0410	LF		20" Schedule 40, Welded Plain End Black Steel Pipe <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Pipe, Add</i>	511.70 29.95 161.62	49.91
23 21 13 23-0411	LF		24" Schedule 40, Welded Plain End Black Steel Pipe <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Pipe, Add</i>	646.88 34.44 206.32	57.40
23 21 13 23-0412 Welded Plain End (A-106) Seamless Carbon Steel Piping (23 21 13 23-0393)					
23 21 13 23-0413	LF		1/4" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 (A-106) Carbon Steel Pipe, Add</i>	11.45 1.95 2.81	3.25
23 21 13 23-0414	LF		1/2" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 (A-106) Carbon Steel Pipe, Add</i>	11.62 2.12 2.74	3.60
23 21 13 23-0415	LF		3/4" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 (A-106) Carbon Steel Pipe, Add</i>	14.70 2.79 3.40	4.65

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 21 13 23-0416	LF	1" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe.....	18.04	5.81
		<i>For Work In Restricted Working Space, Add</i>	3.48	
		<i>For Schedule 80 (A-106) Carbon Steel Pipe, Add</i>	4.12	
23 21 13 23-0417	LF	1-1/4" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	22.75	6.97
		<i>For Work In Restricted Working Space, Add</i>	4.18	
		<i>For Schedule 80 (A-106) Carbon Steel Pipe, Add</i>	5.35	
23 21 13 23-0418	LF	1-1/2" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	26.56	8.13
		<i>For Work In Restricted Working Space, Add</i>	4.88	
		<i>For Schedule 80 (A-106) Carbon Steel Pipe, Add</i>	6.25	
23 21 13 23-0419	LF	2" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe.....	31.56	9.64
		<i>For Work In Restricted Working Space, Add</i>	5.78	
		<i>For Schedule 80 (A-106) Carbon Steel Pipe, Add</i>	7.44	
23 21 13 23-0420	LF	2-1/2" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	41.47	10.92
		<i>For Work In Restricted Working Space, Add</i>	6.55	
		<i>For Schedule 80 (A-106) Carbon Steel Pipe, Add</i>	14.27	
23 21 13 23-0421	LF	3" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe.....	47.51	11.73
		<i>For Work In Restricted Working Space, Add</i>	7.04	
		<i>For Schedule 80 (A-106) Carbon Steel Pipe, Add</i>	16.98	
23 21 13 23-0422	LF	4" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe.....	59.04	14.51
		<i>For Work In Restricted Working Space, Add</i>	8.71	
		<i>For Schedule 80 (A-106) Carbon Steel Pipe, Add</i>	21.16	
23 21 13 23-0423	LF	6" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe.....	91.89	23.58
		<i>For Work In Restricted Working Space, Add</i>	10.80	
		<i>For Schedule 80 (A-106) Carbon Steel Pipe, Add</i>	36.69	
23 21 13 23-0424	LF	8" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe.....	130.76	23.33
		<i>For Work In Restricted Working Space, Add</i>	14.00	
		<i>For Schedule 80 (A-106) Carbon Steel Pipe, Add</i>	54.10	
23 21 13 23-0425	LF	10" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe.....	176.15	28.11
		<i>For Work In Restricted Working Space, Add</i>	16.86	
		<i>For Schedule 80 (A-106) Carbon Steel Pipe, Add</i>	75.60	
23 21 13 23-0426	LF	12" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe.....	214.78	33.96
		<i>For Work In Restricted Working Space, Add</i>	20.38	
		<i>For Schedule 80 (A-106) Carbon Steel Pipe, Add</i>	92.43	
23 21 13 23-0427	LF	14" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe.....	252.21	35.81
		<i>For Work In Restricted Working Space, Add</i>	21.48	
		<i>For Schedule 80 (A-106) Carbon Steel Pipe, Add</i>	111.88	
23 21 13 23-0428	LF	16" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe.....	291.37	38.52
		<i>For Work In Restricted Working Space, Add</i>	23.11	
		<i>For Schedule 80 (A-106) Carbon Steel Pipe, Add</i>	131.58	
23 21 13 23-0429	LF	18" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe.....	353.74	41.67
		<i>For Work In Restricted Working Space, Add</i>	25.00	
		<i>For Schedule 80 (A-106) Carbon Steel Pipe, Add</i>	163.93	
23 21 13 23-0430	LF	20" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe.....	426.29	49.91
		<i>For Work In Restricted Working Space, Add</i>	29.95	
		<i>For Schedule 80 (A-106) Carbon Steel Pipe, Add</i>	197.79	
23 21 13 23-0431	LF	24" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe.....	537.75	57.40
		<i>For Work In Restricted Working Space, Add</i>	34.44	
		<i>For Schedule 80 (A-106) Carbon Steel Pipe, Add</i>	254.07	

23 21 13 23-0432 Welded Plain End Black Steel 90 Degree Elbows (23 21 13 23-0393)

23 21 13 23-0433	EA	3/4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	123.38	68.80
		<i>For Work In Restricted Working Space, Add</i>	30.93	
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	26.19	
23 21 13 23-0434	EA	1" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	128.78	72.38
		<i>For Work In Restricted Working Space, Add</i>	32.55	
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	27.24	
23 21 13 23-0435	EA	1-1/4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	143.97	82.47
		<i>For Work In Restricted Working Space, Add</i>	37.10	
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	30.20	
23 21 13 23-0436	EA	1-1/2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	153.74	88.98
		<i>For Work In Restricted Working Space, Add</i>	40.04	
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	32.11	
23 21 13 23-0437	EA	2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	193.88	115.78
		<i>For Work In Restricted Working Space, Add</i>	52.08	
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	39.94	
23 21 13 23-0438	EA	2-1/2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	244.03	144.76
		<i>For Work In Restricted Working Space, Add</i>	65.09	
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	50.43	
23 21 13 23-0439	EA	3" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	267.70	157.05
		<i>For Work In Restricted Working Space, Add</i>	70.61	
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	55.60	
23 21 13 23-0440	EA	4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	460.29	271.34
		<i>For Work In Restricted Working Space, Add</i>	122.05	
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	95.37	
23 21 13 23-0441	EA	6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	802.91	447.79
		<i>For Work In Restricted Working Space, Add</i>	201.43	
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	170.37	
23 21 13 23-0442	EA	8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,125.64	588.01
		<i>For Work In Restricted Working Space, Add</i>	264.49	
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	245.12	
23 21 13 23-0443	EA	10" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,455.59	672.11
		<i>For Work In Restricted Working Space, Add</i>	302.28	
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	330.88	
23 21 13 23-0444	EA	12" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,967.96	879.37
		<i>For Work In Restricted Working Space, Add</i>	395.50	
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	451.96	
23 21 13 23-0445	EA	14" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,437.62	1,039.42
		<i>For Work In Restricted Working Space, Add</i>	467.51	
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	567.66	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0446	EA		16" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	3,023.21	1,213.79
			For Work In Restricted Working Space, Add	545.91	
			For Schedule 80 Or Extra Heavy Fittings, Add	715.90	
23 21 13 23-0447	EA		18" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	3,578.08	1,353.45
			For Work In Restricted Working Space, Add	608.73	
			For Schedule 80 Or Extra Heavy Fittings, Add	860.37	
23 21 13 23-0448	EA		20" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	4,551.88	1,517.51
			For Work In Restricted Working Space, Add	682.56	
			For Schedule 80 Or Extra Heavy Fittings, Add	1,126.67	
23 21 13 23-0449	EA		24" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	5,326.42	1,568.19
			For Work In Restricted Working Space, Add	705.32	
			For Schedule 80 Or Extra Heavy Fittings, Add	1,351.07	
23 21 13 23-0450 Welded Plain End Black Steel Reducing 90 Degree Elbows (23 21 13 23-0393)					
23 21 13 23-0451	EA		4" x 3" 90 Standard Weight, Welded Plain End Black Steel Reducing 90 Degree Elbow	627.54	271.81
			For Work In Restricted Working Space, Add	122.27	
			For Schedule 80 Or Extra Heavy Fittings, Add	145.47	
23 21 13 23-0452	EA		6" x 4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,094.02	442.68
			For Work In Restricted Working Space, Add	199.13	
			For Schedule 80 Or Extra Heavy Fittings, Add	258.51	
23 21 13 23-0453	EA		6" x 3" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,167.79	442.68
			For Work In Restricted Working Space, Add	199.13	
			For Schedule 80 Or Extra Heavy Fittings, Add	280.64	
23 21 13 23-0454	EA		8" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,789.23	588.01
			For Work In Restricted Working Space, Add	264.49	
			For Schedule 80 Or Extra Heavy Fittings, Add	444.20	
23 21 13 23-0455	EA		8" x 4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,965.12	588.01
			For Work In Restricted Working Space, Add	264.49	
			For Schedule 80 Or Extra Heavy Fittings, Add	496.96	
23 21 13 23-0456	EA		10" x 8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,458.31	672.11
			For Work In Restricted Working Space, Add	302.28	
			For Schedule 80 Or Extra Heavy Fittings, Add	631.70	
23 21 13 23-0457	EA		10" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,458.31	672.11
			For Work In Restricted Working Space, Add	302.28	
			For Schedule 80 Or Extra Heavy Fittings, Add	631.70	
23 21 13 23-0458	EA		12" x 10" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	4,036.93	896.07
			For Work In Restricted Working Space, Add	403.04	
			For Schedule 80 Or Extra Heavy Fittings, Add	1,070.02	
23 21 13 23-0459	EA		12" x 8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	4,036.93	896.07
			For Work In Restricted Working Space, Add	403.04	
			For Schedule 80 Or Extra Heavy Fittings, Add	1,070.02	
23 21 13 23-0460	EA		12" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	4,515.37	896.07
			For Work In Restricted Working Space, Add	403.04	
			For Schedule 80 Or Extra Heavy Fittings, Add	1,213.55	
23 21 13 23-0461 Welded Plain End Black Steel 45 Degree Elbows (23 21 13 23-0393)					
23 21 13 23-0462	EA		3/4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	114.84	65.86
			For Work In Restricted Working Space, Add	29.62	
			For Schedule 80 Or Extra Heavy Fittings, Add	24.09	
23 21 13 23-0463	EA		1" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	118.33	68.19
			For Work In Restricted Working Space, Add	30.67	
			For Schedule 80 Or Extra Heavy Fittings, Add	24.77	
23 21 13 23-0464	EA		1-1/4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	133.43	78.29
			For Work In Restricted Working Space, Add	35.20	
			For Schedule 80 Or Extra Heavy Fittings, Add	27.71	
23 21 13 23-0465	EA		1-1/2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	142.73	84.45
			For Work In Restricted Working Space, Add	37.99	
			For Schedule 80 Or Extra Heavy Fittings, Add	29.52	
23 21 13 23-0466	EA		2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	179.90	109.19
			For Work In Restricted Working Space, Add	49.14	
			For Schedule 80 Or Extra Heavy Fittings, Add	36.77	
23 21 13 23-0467	EA		2-1/2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	224.36	137.19
			For Work In Restricted Working Space, Add	61.68	
			For Schedule 80 Or Extra Heavy Fittings, Add	45.72	
23 21 13 23-0468	EA		3" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	258.94	156.93
			For Work In Restricted Working Space, Add	70.60	
			For Schedule 80 Or Extra Heavy Fittings, Add	52.97	
23 21 13 23-0469	EA		4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	445.76	271.23
			For Work In Restricted Working Space, Add	122.02	
			For Schedule 80 Or Extra Heavy Fittings, Add	91.02	
23 21 13 23-0470	EA		6" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	766.65	447.33
			For Work In Restricted Working Space, Add	201.20	
			For Schedule 80 Or Extra Heavy Fittings, Add	159.58	
23 21 13 23-0471	EA		8" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	1,059.80	588.01
			For Work In Restricted Working Space, Add	264.49	
			For Schedule 80 Or Extra Heavy Fittings, Add	225.37	
23 21 13 23-0472	EA		10" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	1,334.70	672.11
			For Work In Restricted Working Space, Add	302.28	
			For Schedule 80 Or Extra Heavy Fittings, Add	294.61	
23 21 13 23-0473	EA		12" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	1,790.20	877.74
			For Work In Restricted Working Space, Add	394.76	
			For Schedule 80 Or Extra Heavy Fittings, Add	398.89	
23 21 13 23-0474	EA		14" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	2,202.42	1,040.83
			For Work In Restricted Working Space, Add	468.13	
			For Schedule 80 Or Extra Heavy Fittings, Add	496.88	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 21 13 23-0475	EA	16" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	2,696.57		1,212.49
		For Work In Restricted Working Space, Add	545.35		
		For Schedule 80 Or Extra Heavy Fittings, Add	618.10		
23 21 13 23-0476	EA	18" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	3,157.74		1,351.82
		For Work In Restricted Working Space, Add	608.03		
		For Schedule 80 Or Extra Heavy Fittings, Add	734.51		
23 21 13 23-0477	EA	20" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	3,937.52		1,517.51
		For Work In Restricted Working Space, Add	682.56		
		For Schedule 80 Or Extra Heavy Fittings, Add	942.36		
23 21 13 23-0478	EA	24" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	4,523.52		1,568.19
		For Work In Restricted Working Space, Add	705.32		
		For Schedule 80 Or Extra Heavy Fittings, Add	1,110.20		
23 21 13 23-0479 Welded Plain End Black Steel Tee (23 21 13 23-0393)					
23 21 13 23-0480	EA	3/4" Standard Weight, Welded Plain End Black Steel Tee	234.49		123.94
		For Work In Restricted Working Space, Add	55.76		
		For Schedule 80 Or Extra Heavy Fittings, Add	50.83		
23 21 13 23-0481	EA	1" Standard Weight, Welded Plain End Black Steel Tee	234.44		123.94
		For Work In Restricted Working Space, Add	55.74		
		For Schedule 80 Or Extra Heavy Fittings, Add	50.82		
23 21 13 23-0482	EA	1-1/4" Standard Weight, Welded Plain End Black Steel Tee	265.32		137.88
		For Work In Restricted Working Space, Add	62.01		
		For Schedule 80 Or Extra Heavy Fittings, Add	57.89		
23 21 13 23-0483	EA	1-1/2" Standard Weight, Welded Plain End Black Steel Tee	290.95		154.96
		For Work In Restricted Working Space, Add	69.70		
		For Schedule 80 Or Extra Heavy Fittings, Add	62.89		
23 21 13 23-0484	EA	2" Standard Weight, Welded Plain End Black Steel Tee	362.02		206.88
		For Work In Restricted Working Space, Add	93.05		
		For Schedule 80 Or Extra Heavy Fittings, Add	76.04		
23 21 13 23-0485	EA	2-1/2" Standard Weight, Welded Plain End Black Steel Tee	412.91		232.43
		For Work In Restricted Working Space, Add	104.55		
		For Schedule 80 Or Extra Heavy Fittings, Add	87.28		
23 21 13 23-0486	EA	3" Standard Weight, Welded Plain End Black Steel Tee	494.14		282.27
		For Work In Restricted Working Space, Add	126.85		
		For Schedule 80 Or Extra Heavy Fittings, Add	103.85		
23 21 13 23-0487	EA	4" Standard Weight, Welded Plain End Black Steel Tee	710.58		407.83
		For Work In Restricted Working Space, Add	183.41		
		For Schedule 80 Or Extra Heavy Fittings, Add	148.98		
23 21 13 23-0488	EA	6" Standard Weight, Welded Plain End Black Steel Tee	1,190.67		673.72
		For Work In Restricted Working Space, Add	303.03		
		For Schedule 80 Or Extra Heavy Fittings, Add	251.14		
23 21 13 23-0489	EA	8" Standard Weight, Welded Plain End Black Steel Tee	1,677.81		896.07
		For Work In Restricted Working Space, Add	403.04		
		For Schedule 80 Or Extra Heavy Fittings, Add	362.28		
23 21 13 23-0490	EA	10" Standard Weight, Welded Plain End Black Steel Tee	2,127.97		1,045.38
		For Work In Restricted Working Space, Add	470.21		
		For Schedule 80 Or Extra Heavy Fittings, Add	473.82		
23 21 13 23-0491	EA	12" Standard Weight, Welded Plain End Black Steel Tee	2,867.82		1,344.11
		For Work In Restricted Working Space, Add	604.56		
		For Schedule 80 Or Extra Heavy Fittings, Add	648.75		
23 21 13 23-0492	EA	14" Standard Weight, Welded Plain End Black Steel Tee	3,721.90		1,568.19
		For Work In Restricted Working Space, Add	705.32		
		For Schedule 80 Or Extra Heavy Fittings, Add	869.71		
23 21 13 23-0493	EA	16" Standard Weight, Welded Plain End Black Steel Tee	4,478.53		1,881.78
		For Work In Restricted Working Space, Add	846.38		
		For Schedule 80 Or Extra Heavy Fittings, Add	1,047.33		
23 21 13 23-0494	EA	18" Standard Weight, Welded Plain End Black Steel Tee	5,841.83		2,090.88
		For Work In Restricted Working Space, Add	940.42		
		For Schedule 80 Or Extra Heavy Fittings, Add	1,423.40		
23 21 13 23-0495	EA	20" Standard Weight, Welded Plain End Black Steel Tee	7,705.98		2,352.28
		For Work In Restricted Working Space, Add	1,057.97		
		For Schedule 80 Or Extra Heavy Fittings, Add	1,941.50		
23 21 13 23-0496	EA	24" Standard Weight, Welded Plain End Black Steel Tee	8,895.60		2,533.21
		For Work In Restricted Working Space, Add	1,139.36		
		For Schedule 80 Or Extra Heavy Fittings, Add	2,269.91		
23 21 13 23-0497 Welded Plain End Black Steel Reducing Tees (23 21 13 23-0393)					
23 21 13 23-0498	EA	3/4" Standard Weight, Welded Plain End Black Steel Reducing Tee	228.68		120.10
		For Work In Restricted Working Space, Add	54.01		
		For Schedule 80 Or Extra Heavy Fittings, Add	49.70		
23 21 13 23-0499	EA	1" Standard Weight, Welded Plain End Black Steel Reducing Tee	234.44		123.94
		For Work In Restricted Working Space, Add	55.74		
		For Schedule 80 Or Extra Heavy Fittings, Add	50.82		
23 21 13 23-0500	EA	1-1/4" Standard Weight, Welded Plain End Black Steel Reducing Tee	262.21		137.88
		For Work In Restricted Working Space, Add	62.01		
		For Schedule 80 Or Extra Heavy Fittings, Add	56.96		
23 21 13 23-0501	EA	1-1/2" Standard Weight, Welded Plain End Black Steel Reducing Tee	287.84		154.96
		For Work In Restricted Working Space, Add	69.70		
		For Schedule 80 Or Extra Heavy Fittings, Add	61.96		
23 21 13 23-0502	EA	2" Standard Weight, Welded Plain End Black Steel Reducing Tee	369.02		206.88
		For Work In Restricted Working Space, Add	93.08		
		For Schedule 80 Or Extra Heavy Fittings, Add	78.13		
23 21 13 23-0503	EA	2-1/2" Standard Weight, Welded Plain End Black Steel Reducing Tee	413.05		232.55
		For Work In Restricted Working Space, Add	104.59		
		For Schedule 80 Or Extra Heavy Fittings, Add	87.31		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0504	EA	3" Standard Weight, Welded Plain End Black Steel Reducing Tee For Work In Restricted Working Space, Add For Schedule 80 Or Extra Heavy Fittings, Add	494.46 126.85 103.94	282.27
23 21 13 23-0505	EA	4" Standard Weight, Welded Plain End Black Steel Reducing Tee For Work In Restricted Working Space, Add For Schedule 80 Or Extra Heavy Fittings, Add	711.04 183.41 149.12	407.83
23 21 13 23-0506	EA	6" Standard Weight, Welded Plain End Black Steel Reducing Tee For Work In Restricted Working Space, Add For Schedule 80 Or Extra Heavy Fittings, Add	1,191.45 303.03 251.38	673.72
23 21 13 23-0507	EA	8" Standard Weight, Welded Plain End Black Steel Reducing Tee For Work In Restricted Working Space, Add For Schedule 80 Or Extra Heavy Fittings, Add	1,679.32 403.04 362.73	896.07
23 21 13 23-0508	EA	10" Standard Weight, Welded Plain End Black Steel Reducing Tee For Work In Restricted Working Space, Add For Schedule 80 Or Extra Heavy Fittings, Add	2,130.52 470.21 474.58	1,045.38
23 21 13 23-0509	EA	12" Standard Weight, Welded Plain End Black Steel Reducing Tee For Work In Restricted Working Space, Add For Schedule 80 Or Extra Heavy Fittings, Add	2,871.69 604.56 649.91	1,344.11
23 21 13 23-0510	EA	14" Standard Weight, Welded Plain End Black Steel Reducing Tee For Work In Restricted Working Space, Add For Schedule 80 Or Extra Heavy Fittings, Add	3,728.13 705.32 871.58	1,568.19
23 21 13 23-0511	EA	16" Standard Weight, Welded Plain End Black Steel Reducing Tee For Work In Restricted Working Space, Add For Schedule 80 Or Extra Heavy Fittings, Add	4,486.07 846.38 1,049.59	1,881.78
23 21 13 23-0512	EA	18" Standard Weight, Welded Plain End Black Steel Reducing Tee For Work In Restricted Working Space, Add For Schedule 80 Or Extra Heavy Fittings, Add	5,854.16 940.42 1,427.10	2,090.88
23 21 13 23-0513	EA	20" Standard Weight, Welded Plain End Black Steel Reducing Tee For Work In Restricted Working Space, Add For Schedule 80 Or Extra Heavy Fittings, Add	7,825.78 1,057.97 1,977.44	2,352.28
23 21 13 23-0514	EA	24" Standard Weight, Welded Plain End Black Steel Reducing Tee For Work In Restricted Working Space, Add For Schedule 80 Or Extra Heavy Fittings, Add	9,430.72 1,139.36 2,430.44	2,533.21
23 21 13 23-0515 Welded Plain End Black Steel Eccentric Reducers (23 21 13 23-0393)				
23 21 13 23-0516	EA	1" x 3/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer For Work In Restricted Working Space, Add For Schedule 80 Or Extra Heavy Fittings, Add	146.11 33.98 31.94	75.54
23 21 13 23-0517	EA	1-1/4" x 1" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer For Work In Restricted Working Space, Add For Schedule 80 Or Extra Heavy Fittings, Add	157.13 37.28 34.09	82.89
23 21 13 23-0518	EA	1-1/4" x 3/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer For Work In Restricted Working Space, Add For Schedule 80 Or Extra Heavy Fittings, Add	154.23 36.41 33.53	80.97
23 21 13 23-0519	EA	1-1/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer For Work In Restricted Working Space, Add For Schedule 80 Or Extra Heavy Fittings, Add	170.48 41.29 36.69	91.80
23 21 13 23-0520	EA	1-1/2" x 1" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer For Work In Restricted Working Space, Add For Schedule 80 Or Extra Heavy Fittings, Add	162.36 38.85 35.11	86.37
23 21 13 23-0521	EA	1-1/2" x 3/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer For Work In Restricted Working Space, Add For Schedule 80 Or Extra Heavy Fittings, Add	159.47 37.98 34.55	84.45
23 21 13 23-0522	EA	2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer For Work In Restricted Working Space, Add For Schedule 80 Or Extra Heavy Fittings, Add	184.25 49.30 38.02	109.61
23 21 13 23-0523	EA	2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer For Work In Restricted Working Space, Add For Schedule 80 Or Extra Heavy Fittings, Add	191.35 47.73 40.70	106.12
23 21 13 23-0524	EA	2" x 1" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer For Work In Restricted Working Space, Add For Schedule 80 Or Extra Heavy Fittings, Add	183.22 45.29 39.11	100.71
23 21 13 23-0525	EA	2-1/2" x 2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer For Work In Restricted Working Space, Add For Schedule 80 Or Extra Heavy Fittings, Add	232.14 62.72 47.69	139.43
23 21 13 23-0526	EA	2-1/2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer For Work In Restricted Working Space, Add For Schedule 80 Or Extra Heavy Fittings, Add	214.63 56.27 44.70	125.10
23 21 13 23-0527	EA	2-1/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer For Work In Restricted Working Space, Add For Schedule 80 Or Extra Heavy Fittings, Add	231.30 54.70 50.25	121.62
23 21 13 23-0528	EA	3" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer For Work In Restricted Working Space, Add For Schedule 80 Or Extra Heavy Fittings, Add	259.95 70.40 53.34	156.46
23 21 13 23-0529	EA	3" x 2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer For Work In Restricted Working Space, Add For Schedule 80 Or Extra Heavy Fittings, Add	261.74 70.40 53.88	156.46
23 21 13 23-0530	EA	3" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer For Work In Restricted Working Space, Add For Schedule 80 Or Extra Heavy Fittings, Add	265.52 70.40 55.02	156.46
23 21 13 23-0531	EA	4" x 3" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer For Work In Restricted Working Space, Add For Schedule 80 Or Extra Heavy Fittings, Add	440.62 122.27 89.39	271.81
23 21 13 23-0532	EA	4" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer For Work In Restricted Working Space, Add For Schedule 80 Or Extra Heavy Fittings, Add	442.41 122.27 89.93	271.81
23 21 13 23-0533	EA	4" x 2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer For Work In Restricted Working Space, Add For Schedule 80 Or Extra Heavy Fittings, Add	447.79 122.27 91.54	271.81

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 21 13 23-0534	EA	6" x 4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	731.84	442.68
		For Work In Restricted Working Space, Add	199.13	
		For Schedule 80 Or Extra Heavy Fittings, Add	149.86	
23 21 13 23-0535	EA	6" x 3" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	770.46	442.68
		For Work In Restricted Working Space, Add	199.13	
		For Schedule 80 Or Extra Heavy Fittings, Add	161.44	
23 21 13 23-0536	EA	8" x 6" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	1,096.88	673.72
		For Work In Restricted Working Space, Add	303.03	
		For Schedule 80 Or Extra Heavy Fittings, Add	223.00	
23 21 13 23-0537	EA	8" x 4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	1,168.73	673.72
		For Work In Restricted Working Space, Add	303.03	
		For Schedule 80 Or Extra Heavy Fittings, Add	244.56	
23 21 13 23-0538	EA	10" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	1,275.24	774.78
		For Work In Restricted Working Space, Add	348.48	
		For Schedule 80 Or Extra Heavy Fittings, Add	260.61	
23 21 13 23-0539	EA	10" x 6" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	1,361.63	774.78
		For Work In Restricted Working Space, Add	348.48	
		For Schedule 80 Or Extra Heavy Fittings, Add	286.52	
23 21 13 23-0540	EA	10" x 4" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	1,475.29	774.78
		For Work In Restricted Working Space, Add	348.48	
		For Schedule 80 Or Extra Heavy Fittings, Add	320.62	
		For Concentric Reducers, Deduct	-100.38	
23 21 13 23-0541	EA	12" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	1,518.25	894.34
		For Work In Restricted Working Space, Add	402.27	
		For Schedule 80 Or Extra Heavy Fittings, Add	314.68	
23 21 13 23-0542	EA	12" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	1,619.16	894.34
		For Work In Restricted Working Space, Add	402.27	
		For Schedule 80 Or Extra Heavy Fittings, Add	344.95	
23 21 13 23-0543	EA	12" x 6" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	1,789.75	894.34
		For Work In Restricted Working Space, Add	402.27	
		For Schedule 80 Or Extra Heavy Fittings, Add	396.13	
		For Concentric Reducers, Deduct	-143.63	
23 21 13 23-0544	EA	12" x 4" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	1,515.39	894.34
		For Work In Restricted Working Space, Add	402.27	
		For Schedule 80 Or Extra Heavy Fittings, Add	313.82	
		For Concentric Reducers, Deduct	-55.84	
23 21 13 23-0545	EA	14" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	1,878.67	1,045.38
		For Work In Restricted Working Space, Add	470.21	
		For Schedule 80 Or Extra Heavy Fittings, Add	399.03	
23 21 13 23-0546	EA	14" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	1,931.81	1,045.38
		For Work In Restricted Working Space, Add	470.21	
		For Schedule 80 Or Extra Heavy Fittings, Add	414.97	
23 21 13 23-0547	EA	14" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	2,461.64	1,045.38
		For Work In Restricted Working Space, Add	470.21	
		For Schedule 80 Or Extra Heavy Fittings, Add	573.92	
23 21 13 23-0548	EA	16" x 14" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	2,239.40	1,176.13
		For Work In Restricted Working Space, Add	528.99	
		For Schedule 80 Or Extra Heavy Fittings, Add	486.67	
23 21 13 23-0549	EA	16" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	2,395.85	1,176.13
		For Work In Restricted Working Space, Add	528.99	
		For Schedule 80 Or Extra Heavy Fittings, Add	533.61	
23 21 13 23-0550	EA	16" x 10" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	2,456.76	1,176.13
		For Work In Restricted Working Space, Add	528.99	
		For Schedule 80 Or Extra Heavy Fittings, Add	551.88	
		For Concentric Reducers, Deduct	-221.91	
23 21 13 23-0551	EA	16" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	3,142.86	1,176.13
		For Work In Restricted Working Space, Add	528.99	
		For Schedule 80 Or Extra Heavy Fittings, Add	757.71	
23 21 13 23-0552	EA	16" x 6" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	3,484.28	1,176.13
		For Work In Restricted Working Space, Add	528.99	
		For Schedule 80 Or Extra Heavy Fittings, Add	860.14	
23 21 13 23-0553	EA	18" x 16" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	2,872.86	1,344.11
		For Work In Restricted Working Space, Add	604.55	
		For Schedule 80 Or Extra Heavy Fittings, Add	650.26	
23 21 13 23-0554	EA	18" x 14" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	2,168.98	1,344.11
		For Work In Restricted Working Space, Add	604.56	
		For Schedule 80 Or Extra Heavy Fittings, Add	439.10	
		For Concentric Reducers, Deduct	-49.21	
23 21 13 23-0555	EA	18" x 12" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	2,955.07	1,344.11
		For Work In Restricted Working Space, Add	604.56	
		For Schedule 80 Or Extra Heavy Fittings, Add	674.93	
		For Concentric Reducers, Deduct	-300.76	
23 21 13 23-0556	EA	18" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	3,076.28	1,344.11
		For Work In Restricted Working Space, Add	604.55	
		For Schedule 80 Or Extra Heavy Fittings, Add	711.29	
23 21 13 23-0557	EA	18" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	4,101.05	1,344.11
		For Work In Restricted Working Space, Add	604.55	
		For Schedule 80 Or Extra Heavy Fittings, Add	1,018.72	
23 21 13 23-0558	EA	20" x 18" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	3,352.43	1,517.51
		For Work In Restricted Working Space, Add	682.56	
		For Schedule 80 Or Extra Heavy Fittings, Add	766.83	
		For Concentric Reducers, Deduct	-344.71	
23 21 13 23-0559	EA	20" x 16" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	3,349.65	1,517.51
		For Work In Restricted Working Space, Add	682.56	
		For Schedule 80 Or Extra Heavy Fittings, Add	766.00	
		For Concentric Reducers, Deduct	-343.82	
23 21 13 23-0560	EA	20" x 14" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	4,705.34	1,517.51
		For Work In Restricted Working Space, Add	682.56	
		For Schedule 80 Or Extra Heavy Fittings, Add	1,172.70	
		For Concentric Reducers, Deduct	-777.64	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0561	EA	20" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	5,249.11	1,517.51
		For Work In Restricted Working Space, Add	682.56	
		For Schedule 80 Or Extra Heavy Fittings, Add	1,335.84	
23 21 13 23-0562	EA	20" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	6,064.81	1,517.51
		For Work In Restricted Working Space, Add	682.56	
		For Schedule 80 Or Extra Heavy Fittings, Add	1,580.55	
23 21 13 23-0563	EA	24" x 20" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	3,763.47	1,568.19
		For Work In Restricted Working Space, Add	705.32	
		For Schedule 80 Or Extra Heavy Fittings, Add	882.18	
		For Concentric Reducers, Deduct	-451.97	
23 21 13 23-0564	EA	24" x 18" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	3,927.82	1,568.19
		For Work In Restricted Working Space, Add	705.32	
		For Schedule 80 Or Extra Heavy Fittings, Add	931.49	
		For Concentric Reducers, Deduct	-504.57	
23 21 13 23-0565	EA	24" x 16" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	4,691.40	1,568.19
		For Work In Restricted Working Space, Add	705.32	
		For Schedule 80 Or Extra Heavy Fittings, Add	1,160.56	
		For Concentric Reducers, Deduct	-748.91	
23 21 13 23-0566	EA	24" x 14" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	6,112.38	1,568.19
		For Work In Restricted Working Space, Add	705.32	
		For Schedule 80 Or Extra Heavy Fittings, Add	1,586.85	
23 21 13 23-0567	EA	24" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	7,177.85	1,568.19
		For Work In Restricted Working Space, Add	705.32	
		For Schedule 80 Or Extra Heavy Fittings, Add	1,906.49	
23 21 13 23-0568 Welded Plain End Black Steel Concentric Reducers (23 21 13 23-0393)				
23 21 13 23-0569	EA	1" x 3/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	137.51	75.54
		For Work In Restricted Working Space, Add	33.98	
		For Schedule 80 Or Extra Heavy Fittings, Add	29.36	
23 21 13 23-0570	EA	1-1/4" x 1" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	148.53	82.89
		For Work In Restricted Working Space, Add	37.28	
		For Schedule 80 Or Extra Heavy Fittings, Add	31.51	
23 21 13 23-0571	EA	1-1/4" x 3/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	145.63	80.97
		For Work In Restricted Working Space, Add	36.41	
		For Schedule 80 Or Extra Heavy Fittings, Add	30.95	
23 21 13 23-0572	EA	1-1/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	161.88	91.80
		For Work In Restricted Working Space, Add	41.29	
		For Schedule 80 Or Extra Heavy Fittings, Add	34.11	
23 21 13 23-0573	EA	1-1/2" x 1" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	153.76	86.37
		For Work In Restricted Working Space, Add	38.85	
		For Schedule 80 Or Extra Heavy Fittings, Add	32.53	
23 21 13 23-0574	EA	1-1/2" x 3/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	150.87	84.45
		For Work In Restricted Working Space, Add	37.98	
		For Schedule 80 Or Extra Heavy Fittings, Add	31.97	
23 21 13 23-0575	EA	2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	179.86	109.61
		For Work In Restricted Working Space, Add	49.30	
		For Schedule 80 Or Extra Heavy Fittings, Add	36.70	
23 21 13 23-0576	EA	2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	174.63	106.12
		For Work In Restricted Working Space, Add	47.73	
		For Schedule 80 Or Extra Heavy Fittings, Add	35.68	
23 21 13 23-0577	EA	2" x 1" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	172.48	100.71
		For Work In Restricted Working Space, Add	45.29	
		For Schedule 80 Or Extra Heavy Fittings, Add	35.89	
23 21 13 23-0578	EA	2-1/2" x 2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	228.96	139.43
		For Work In Restricted Working Space, Add	62.72	
		For Schedule 80 Or Extra Heavy Fittings, Add	46.74	
23 21 13 23-0579	EA	2-1/2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	212.84	125.10
		For Work In Restricted Working Space, Add	56.27	
		For Schedule 80 Or Extra Heavy Fittings, Add	44.16	
23 21 13 23-0580	EA	2-1/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	216.17	121.62
		For Work In Restricted Working Space, Add	54.70	
		For Schedule 80 Or Extra Heavy Fittings, Add	45.71	
23 21 13 23-0581	EA	3" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	250.79	156.46
		For Work In Restricted Working Space, Add	70.40	
		For Schedule 80 Or Extra Heavy Fittings, Add	50.60	
23 21 13 23-0582	EA	3" x 2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	251.99	156.46
		For Work In Restricted Working Space, Add	70.40	
		For Schedule 80 Or Extra Heavy Fittings, Add	50.96	
23 21 13 23-0583	EA	3" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	254.58	156.46
		For Work In Restricted Working Space, Add	70.40	
		For Schedule 80 Or Extra Heavy Fittings, Add	51.73	
23 21 13 23-0584	EA	4" x 3" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	428.28	271.81
		For Work In Restricted Working Space, Add	122.27	
		For Schedule 80 Or Extra Heavy Fittings, Add	85.69	
23 21 13 23-0585	EA	4" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	432.86	271.81
		For Work In Restricted Working Space, Add	122.27	
		For Schedule 80 Or Extra Heavy Fittings, Add	87.06	
23 21 13 23-0586	EA	4" x 2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	432.86	271.81
		For Work In Restricted Working Space, Add	122.27	
		For Schedule 80 Or Extra Heavy Fittings, Add	87.06	
23 21 13 23-0587	EA	6" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	707.17	442.68
		For Work In Restricted Working Space, Add	199.13	
		For Schedule 80 Or Extra Heavy Fittings, Add	142.46	
23 21 13 23-0588	EA	6" x 3" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	716.32	442.68
		For Work In Restricted Working Space, Add	199.13	
		For Schedule 80 Or Extra Heavy Fittings, Add	145.20	
23 21 13 23-0589	EA	8" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,067.02	673.72
		For Work In Restricted Working Space, Add	303.03	
		For Schedule 80 Or Extra Heavy Fittings, Add	214.05	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**
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23 21 13 23-0590	EA	8" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,083.34	673.72
		<i>For Work In Restricted Working Space, Add</i>	303.03	
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	218.94	
23 21 13 23-0591	EA	10" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,272.06	774.78
		<i>For Work In Restricted Working Space, Add</i>	348.48	
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	259.65	
23 21 13 23-0592	EA	10" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,265.29	774.78
		<i>For Work In Restricted Working Space, Add</i>	348.48	
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	257.62	
23 21 13 23-0593	EA	10" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,350.49	774.78
		<i>For Work In Restricted Working Space, Add</i>	348.48	
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	283.18	
23 21 13 23-0594	EA	12" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,477.45	894.34
		<i>For Work In Restricted Working Space, Add</i>	402.27	
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	302.44	
23 21 13 23-0595	EA	12" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,497.90	894.34
		<i>For Work In Restricted Working Space, Add</i>	402.27	
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	308.58	
23 21 13 23-0596	EA	12" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,505.31	894.34
		<i>For Work In Restricted Working Space, Add</i>	402.27	
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	310.80	
23 21 13 23-0597	EA	12" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,722.47	894.34
		<i>For Work In Restricted Working Space, Add</i>	402.27	
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	375.95	
23 21 13 23-0598	EA	14" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,772.77	1,045.38
		<i>For Work In Restricted Working Space, Add</i>	470.21	
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	367.26	
23 21 13 23-0599	EA	14" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,848.61	1,045.38
		<i>For Work In Restricted Working Space, Add</i>	470.21	
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	390.01	
23 21 13 23-0600	EA	14" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,914.49	1,045.38
		<i>For Work In Restricted Working Space, Add</i>	470.21	
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	409.77	
23 21 13 23-0601	EA	14" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,169.12	1,045.38
		<i>For Work In Restricted Working Space, Add</i>	470.21	
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	486.16	
23 21 13 23-0602	EA	16" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,122.76	1,176.13
		<i>For Work In Restricted Working Space, Add</i>	528.99	
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	451.68	
23 21 13 23-0603	EA	16" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,122.76	1,176.13
		<i>For Work In Restricted Working Space, Add</i>	528.99	
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	451.68	
23 21 13 23-0604	EA	16" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,160.58	1,176.13
		<i>For Work In Restricted Working Space, Add</i>	528.99	
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	463.03	
23 21 13 23-0605	EA	16" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,286.18	1,176.13
		<i>For Work In Restricted Working Space, Add</i>	528.99	
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	500.71	
23 21 13 23-0606	EA	16" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,806.32	1,176.13
		<i>For Work In Restricted Working Space, Add</i>	528.99	
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	656.75	
23 21 13 23-0607	EA	18" x 16" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,407.89	1,344.11
		<i>For Work In Restricted Working Space, Add</i>	604.55	
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	510.77	
23 21 13 23-0608	EA	18" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,504.83	1,344.11
		<i>For Work In Restricted Working Space, Add</i>	604.55	
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	539.86	
23 21 13 23-0609	EA	18" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,545.43	1,344.11
		<i>For Work In Restricted Working Space, Add</i>	604.55	
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	552.04	
23 21 13 23-0610	EA	18" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,655.90	1,344.11
		<i>For Work In Restricted Working Space, Add</i>	604.55	
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	585.18	
23 21 13 23-0611	EA	18" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	3,925.36	1,344.11
		<i>For Work In Restricted Working Space, Add</i>	604.55	
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	966.01	
23 21 13 23-0612	EA	20" x 18" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,949.16	1,517.51
		<i>For Work In Restricted Working Space, Add</i>	682.56	
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	645.85	
23 21 13 23-0613	EA	20" x 16" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,949.16	1,517.51
		<i>For Work In Restricted Working Space, Add</i>	682.56	
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	645.85	
23 21 13 23-0614	EA	20" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,976.83	1,517.51
		<i>For Work In Restricted Working Space, Add</i>	682.56	
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	654.15	
23 21 13 23-0615	EA	20" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	3,140.64	1,517.51
		<i>For Work In Restricted Working Space, Add</i>	682.56	
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	703.30	
23 21 13 23-0616	EA	20" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	3,425.67	1,517.51
		<i>For Work In Restricted Working Space, Add</i>	682.56	
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	788.81	
23 21 13 23-0617	EA	24" x 20" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	3,113.39	1,568.19
		<i>For Work In Restricted Working Space, Add</i>	705.32	
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	687.16	
23 21 13 23-0618	EA	24" x 18" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	3,130.70	1,568.19
		<i>For Work In Restricted Working Space, Add</i>	705.32	
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	692.35	
23 21 13 23-0619	EA	24" x 16" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	3,164.54	1,568.19
		<i>For Work In Restricted Working Space, Add</i>	705.32	
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	702.50	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0620	EA	24" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	3,947.98	1,568.19
		For Work In Restricted Working Space, Add	705.32	
		For Schedule 80 Or Extra Heavy Fittings, Add	937.53	
23 21 13 23-0621	EA	24" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	4,102.64	1,568.19
		For Work In Restricted Working Space, Add	705.32	
		For Schedule 80 Or Extra Heavy Fittings, Add	983.93	
23 21 13 23-0622 Welded Plain End Black Steel Caps (23 21 13 23-0393)				
23 21 13 23-0623	EA	1" Standard Weight, Welded Plain End Black Steel Cap	68.39	38.80
		For Work In Restricted Working Space, Add	17.42	
		For Schedule 80 Fittings, Add	13.26	
23 21 13 23-0624	EA	1-1/4" Standard Weight, Welded Plain End Black Steel Cap	74.84	42.63
		For Work In Restricted Working Space, Add	19.17	
		For Schedule 80 Fittings, Add	14.47	
23 21 13 23-0625	EA	1-1/2" Standard Weight, Welded Plain End Black Steel Cap	77.81	44.14
		For Work In Restricted Working Space, Add	19.86	
		For Schedule 80 Fittings, Add	15.07	
23 21 13 23-0626	EA	2" Standard Weight, Welded Plain End Black Steel Cap	96.99	56.57
		For Work In Restricted Working Space, Add	25.44	
		For Schedule 80 Fittings, Add	18.50	
23 21 13 23-0627	EA	2-1/2" Standard Weight, Welded Plain End Black Steel Cap	114.99	68.19
		For Work In Restricted Working Space, Add	30.67	
		For Schedule 80 Fittings, Add	21.72	
23 21 13 23-0628	EA	3" Standard Weight, Welded Plain End Black Steel Cap	134.68	78.64
		For Work In Restricted Working Space, Add	35.38	
		For Schedule 80 Fittings, Add	25.66	
23 21 13 23-0629	EA	4" Standard Weight, Welded Plain End Black Steel Cap	226.08	135.91
		For Work In Restricted Working Space, Add	61.14	
		For Schedule 80 Fittings, Add	42.35	
23 21 13 23-0630	EA	6" Standard Weight, Welded Plain End Black Steel Cap	379.02	224.54
		For Work In Restricted Working Space, Add	101.01	
		For Schedule 80 Fittings, Add	71.62	
23 21 13 23-0631	EA	8" Standard Weight, Welded Plain End Black Steel Cap	535.42	314.79
		For Work In Restricted Working Space, Add	141.57	
		For Schedule 80 Fittings, Add	101.64	
23 21 13 23-0632	EA	10" Standard Weight, Welded Plain End Black Steel Cap	707.15	397.38
		For Work In Restricted Working Space, Add	178.71	
		For Schedule 80 Fittings, Add	137.68	
23 21 13 23-0633	EA	12" Standard Weight, Welded Plain End Black Steel Cap	795.47	437.62
		For Work In Restricted Working Space, Add	196.83	
		For Schedule 80 Fittings, Add	156.63	
23 21 13 23-0634	EA	14" Standard Weight, Welded Plain End Black Steel Cap	1,045.64	522.69
		For Work In Restricted Working Space, Add	235.10	
		For Schedule 80 Fittings, Add	215.73	
23 21 13 23-0635	EA	16" Standard Weight, Welded Plain End Black Steel Cap	1,214.37	607.01
		For Work In Restricted Working Space, Add	273.02	
		For Schedule 80 Fittings, Add	250.55	
23 21 13 23-0636	EA	18" Standard Weight, Welded Plain End Black Steel Cap	1,357.56	672.11
		For Work In Restricted Working Space, Add	302.28	
		For Schedule 80 Fittings, Add	281.32	
23 21 13 23-0637 150 Lb., Welded Plain End Black Steel Neck Flanges (23 21 13 23-0393)				
Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.				
23 21 13 23-0638	EA	2", 150 Lb., Welded Plain End Black Steel Neck Flange	170.12	87.58
		For Work In Restricted Working Space, Add	39.39	
		For 300 Lb. Rating, Add	40.95	
23 21 13 23-0639	EA	2-1/2", 150 Lb., Welded Plain End Black Steel Neck Flange	202.66	109.31
		For Work In Restricted Working Space, Add	49.16	
		For 300 Lb. Rating, Add	44.37	
23 21 13 23-0640	EA	3", 150 Lb., Welded Plain End Black Steel Neck Flange	226.20	124.99
		For Work In Restricted Working Space, Add	56.21	
		For 300 Lb. Rating, Add	46.87	
23 21 13 23-0641	EA	4", 150 Lb., Welded Plain End Black Steel Neck Flange	296.65	164.83
		For Work In Restricted Working Space, Add	74.15	
		For 300 Lb. Rating, Add	60.60	
23 21 13 23-0642	EA	6", 150 Lb., Welded Plain End Black Steel Neck Flange	450.87	249.97
		For Work In Restricted Working Space, Add	112.41	
		For 300 Lb. Rating, Add	92.66	
23 21 13 23-0643	EA	8", 150 Lb., Welded Plain End Black Steel Neck Flange	500.52	254.34
		For Work In Restricted Working Space, Add	114.38	
		For 300 Lb. Rating, Add	123.52	
23 21 13 23-0644	EA	10", 150 Lb., Welded Plain End Black Steel Neck Flange	652.44	318.91
		For Work In Restricted Working Space, Add	143.45	
		For 300 Lb. Rating, Add	172.20	
23 21 13 23-0645	EA	12", 150 Lb., Welded Plain End Black Steel Neck Flange	796.65	361.88
		For Work In Restricted Working Space, Add	162.76	
		For 300 Lb. Rating, Add	234.84	
23 21 13 23-0646	EA	14", 150 Lb., Welded Plain End Black Steel Neck Flange	1,041.86	437.62
		For Work In Restricted Working Space, Add	196.83	
		For 300 Lb. Rating, Add	338.92	
23 21 13 23-0647	EA	16", 150 Lb., Welded Plain End Black Steel Neck Flange	1,365.20	508.58
		For Work In Restricted Working Space, Add	228.75	
		For 300 Lb. Rating, Add	501.95	
23 21 13 23-0648	EA	18", 150 Lb., Welded Plain End Black Steel Neck Flange	1,691.62	570.22
		For Work In Restricted Working Space, Add	256.48	
		For 300 Lb. Rating, Add	675.46	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
23 21 13 23-0649	EA	20", 150 Lb., Welded Plain End Black Steel Neck Flange	.....	2,144.82	723.76
		For Work In Restricted Working Space, Add		325.53	
		For 300 Lb. Rating, Add		855.74	
23 21 13 23-0650	EA	24", 150 Lb., Welded Plain End Black Steel Neck Flange	.....	2,433.91	784.09
		For Work In Restricted Working Space, Add		352.66	
		For 300 Lb. Rating, Add		1,004.30	
23 21 13 23-0651 150 Lb., Welded Black Steel Slip-On Flanges (23 21 13 23-0393)					
Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.					
23 21 13 23-0652	EA	2", 150 Lb., Welded Black Steel Slip-On Flanges	.....	128.79	87.58
		For Work In Restricted Working Space, Add		31.37	
		For 300 Lb. Rating, Add		32.79	
23 21 13 23-0653	EA	2-1/2", 150 Lb., Welded Black Steel Slip-On Flange	.....	158.89	109.31
		For Work In Restricted Working Space, Add		38.33	
		For 300 Lb. Rating, Add		41.42	
23 21 13 23-0654	EA	3", 150 Lb., Welded Black Steel Slip-On Flange	.....	187.63	124.99
		For Work In Restricted Working Space, Add		45.30	
		For 300 Lb. Rating, Add		48.82	
23 21 13 23-0655	EA	4", 150 Lb., Welded Black Steel Slip-On Flange	.....	247.44	164.83
		For Work In Restricted Working Space, Add		59.24	
		For 300 Lb. Rating, Add		65.71	
23 21 13 23-0656	EA	6", 150 Lb., Welded Black Steel Slip-On Flange	.....	367.30	249.97
		For Work In Restricted Working Space, Add		87.12	
		For 300 Lb. Rating, Add		99.70	
23 21 13 23-0657	EA	8", 150 Lb., Welded Black Steel Slip-On Flange	.....	464.24	254.34
		For Work In Restricted Working Space, Add		104.17	
		For 300 Lb. Rating, Add		141.76	
23 21 13 23-0658	EA	10", 150 Lb., Welded Black Steel Slip-On Flange	.....	636.02	318.91
		For Work In Restricted Working Space, Add		130.21	
		For 300 Lb. Rating, Add		227.36	
23 21 13 23-0659	EA	12", 150 Lb., Welded Black Steel Slip-On Flange	.....	839.53	361.88
		For Work In Restricted Working Space, Add		156.25	
		For 300 Lb. Rating, Add		341.51	
23 21 13 23-0660	EA	14", 150 Lb., Welded Black Steel Slip-On Flange	.....	1,073.27	437.62
		For Work In Restricted Working Space, Add		182.30	
		For 300 Lb. Rating, Add		482.85	
23 21 13 23-0661	EA	16", 150 Lb., Welded Black Steel Slip-On Flange	.....	1,299.66	508.58
		For Work In Restricted Working Space, Add		201.83	
		For 300 Lb. Rating, Add		634.85	
23 21 13 23-0662	EA	18", 150 Lb., Welded Black Steel Slip-On Flange	.....	1,440.76	570.22
		For Work In Restricted Working Space, Add		221.36	
		For 300 Lb. Rating, Add		710.09	
23 21 13 23-0663	EA	20", 150 Lb., Welded Black Steel Slip-On Flange	.....	1,601.94	723.76
		For Work In Restricted Working Space, Add		240.89	
		For 300 Lb. Rating, Add		803.38	
23 21 13 23-0664	EA	24", 150 Lb., Welded Black Steel Slip-On Flange	.....	1,830.88	784.09
		For Work In Restricted Working Space, Add		279.95	
		For 300 Lb. Rating, Add		905.91	
23 21 13 23-0665 150 Lb., Forged Steel Blind Flanges (23 21 13 23-0393)					
23 21 13 23-0666	EA	2", 150 Lb., Forged Steel Blind Flange	.....	84.05	31.08
		For Work In Restricted Working Space, Add		18.65	
		For 600 Lb. Rating, Add		61.88	
		For 300 Lb. Rating, Add		24.05	
23 21 13 23-0667	EA	2-1/2", 150 Lb., Forged Steel Blind Flange	.....	110.09	37.29
		For Work In Restricted Working Space, Add		22.37	
		For 600 Lb. Rating, Add		96.41	
		For 300 Lb. Rating, Add		36.24	
23 21 13 23-0668	EA	3", 150 Lb., Forged Steel Blind Flange	.....	136.19	49.73
		For Work In Restricted Working Space, Add		29.84	
		For 600 Lb. Rating, Add		103.09	
		For 300 Lb. Rating, Add		39.83	
23 21 13 23-0669	EA	4", 150 Lb., Forged Steel Blind Flange	.....	174.94	62.15
		For Work In Restricted Working Space, Add		37.29	
		For 600 Lb. Rating, Add		140.16	
		For 300 Lb. Rating, Add		53.56	
23 21 13 23-0670	EA	6", 150 Lb., Forged Steel Blind Flange	.....	238.33	80.81
		For Work In Restricted Working Space, Add		48.48	
		For 600 Lb. Rating, Add		208.39	
		For 300 Lb. Rating, Add		78.35	
23 21 13 23-0671	EA	8", 150 Lb., Forged Steel Blind Flange	.....	308.17	93.23
		For Work In Restricted Working Space, Add		55.94	
		For 600 Lb. Rating, Add		320.07	
		For 300 Lb. Rating, Add		116.95	
23 21 13 23-0672	EA	10", 150 Lb., Forged Steel Blind Flange	.....	461.43	111.87
		For Work In Restricted Working Space, Add		67.13	
		For 600 Lb. Rating, Add		603.97	
		For 300 Lb. Rating, Add		213.63	
23 21 13 23-0673	EA	12", 150 Lb., Forged Steel Blind Flange	.....	597.44	130.52
		For Work In Restricted Working Space, Add		78.32	
		For 600 Lb. Rating, Add		846.49	
		For 300 Lb. Rating, Add		296.52	
23 21 13 23-0674	EA	14", 150 Lb., Forged Steel Blind Flange	.....	990.95	149.17
		For Work In Restricted Working Space, Add		89.50	
		For 300 Lb. Rating, Add		585.41	
23 21 13 23-0675	EA	16", 150 Lb., Forged Steel Blind Flange	.....	1,065.68	167.81
		For Work In Restricted Working Space, Add		100.69	
		For 300 Lb. Rating, Add		619.28	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0676	EA	18", 150 Lb., Forged Steel Blind Flange	1,203.15	205.11
		For Work In Restricted Working Space, Add	123.07	
		For 300 Lb. Rating, Add	677.42	
23 21 13 23-0677	EA	20", 150 Lb., Forged Steel Blind Flange	1,533.17	223.76
		For Work In Restricted Working Space, Add	134.25	
		For 300 Lb. Rating, Add	915.52	
23 21 13 23-0678	EA	24", 150 Lb., Forged Steel Blind Flange	2,076.39	261.05
		For Work In Restricted Working Space, Add	156.63	
		For 300 Lb. Rating, Add	1,298.26	
23 21 13 23-0679		3,000 Lb., Forge Steel Thread-O-Lets (23 21 13 23-0393)		
23 21 13 23-0680	EA	1/2", 3,000 Lb., Forge Steel Thread-O-Let	80.09	
		For Work In Restricted Working Space, Add	21.95	
23 21 13 23-0681	EA	3/4", 3,000 Lb., Forge Steel Thread-O-Let	84.77	
		For Work In Restricted Working Space, Add	23.00	
23 21 13 23-0682	EA	1", 3,000 Lb., Forge Steel Thread-O-Let	90.41	
		For Work In Restricted Working Space, Add	24.39	
23 21 13 23-0683	EA	1-1/4", 3,000 Lb., Forge Steel Thread-O-Let	100.02	
		For Work In Restricted Working Space, Add	26.14	
23 21 13 23-0684	EA	1-1/2", 3,000 Lb., Forge Steel Thread-O-Let	112.28	
		For Work In Restricted Working Space, Add	29.62	
23 21 13 23-0685	EA	2", 3,000 Lb., Forge Steel Thread-O-Let	145.20	
		For Work In Restricted Working Space, Add	38.72	
23 21 13 23-0686	EA	2-1/2", 3,000 Lb., Forge Steel Thread-O-Let	224.49	
		For Work In Restricted Working Space, Add	49.78	
23 21 13 23-0687	EA	3", 3,000 Lb., Forge Steel Thread-O-Let	309.77	
		For Work In Restricted Working Space, Add	69.70	
23 21 13 23-0688	EA	4", 3,000 Lb., Forge Steel Thread-O-Let	411.44	
		For Work In Restricted Working Space, Add	87.12	
23 21 13 23-0689		3,000 Lb., Forge Steel Weld-O-Lets (23 21 13 23-0393)		
23 21 13 23-0690	EA	1/2", 3,000 Lb., Forge Steel Weld-O-Let	97.00	
		For Work In Restricted Working Space, Add	25.34	
23 21 13 23-0691	EA	3/4", 3,000 Lb., Forge Steel Weld-O-Let	103.24	
		For Work In Restricted Working Space, Add	26.55	
23 21 13 23-0692	EA	1", 3,000 Lb., Forge Steel Weld-O-Let	109.45	
		For Work In Restricted Working Space, Add	27.88	
23 21 13 23-0693	EA	1-1/4", 3,000 Lb., Forge Steel Weld-O-Let	126.70	
		For Work In Restricted Working Space, Add	30.98	
23 21 13 23-0694	EA	1-1/2", 3,000 Lb., Forge Steel Weld-O-Let	140.76	
		For Work In Restricted Working Space, Add	34.85	
23 21 13 23-0695	EA	2", 3,000 Lb., Forge Steel Weld-O-Let	188.04	
		For Work In Restricted Working Space, Add	46.45	
23 21 13 23-0696	EA	2-1/2", 3,000 Lb., Forge Steel Weld-O-Let	292.17	
		For Work In Restricted Working Space, Add	55.76	
23 21 13 23-0697	EA	3", 3,000 Lb., Forge Steel Weld-O-Let	384.59	
		For Work In Restricted Working Space, Add	73.18	
23 21 13 23-0698	EA	4", 3,000 Lb., Forge Steel Weld-O-Let	529.64	
		For Work In Restricted Working Space, Add	92.94	
23 21 13 23-0699	EA	6", 3,000 Lb., Forge Steel Weld-O-Let	756.23	
		For Work In Restricted Working Space, Add	139.39	
23 21 13 23-0700	EA	8", 3,000 Lb., Forge Steel Weld-O-Let	1,171.21	
		For Work In Restricted Working Space, Add	185.84	
23 21 13 23-0701	EA	10", 3,000 Lb., Forge Steel Weld-O-Let	1,499.28	
		For Work In Restricted Working Space, Add	214.45	
23 21 13 23-0702	EA	12", 3,000 Lb., Forge Steel Weld-O-Let	2,334.81	
		For Work In Restricted Working Space, Add	253.45	
23 21 13 23-0703		3,000 Lb., Forge Steel Sock-O-Lets (23 21 13 23-0393)		
23 21 13 23-0704	EA	1/2", 3,000 Lb., Forge Steel Sock-O-Let	113.23	
		For Work In Restricted Working Space, Add	30.28	
23 21 13 23-0705	EA	3/4", 3,000 Lb., Forge Steel Sock-O-Let	120.26	
		For Work In Restricted Working Space, Add	31.75	
23 21 13 23-0706	EA	1", 3,000 Lb., Forge Steel Sock-O-Let	128.39	
		For Work In Restricted Working Space, Add	33.66	
23 21 13 23-0707	EA	1-1/4", 3,000 Lb., Forge Steel Sock-O-Let	143.18	
		For Work In Restricted Working Space, Add	36.07	
23 21 13 23-0708	EA	1-1/2", 3,000 Lb., Forge Steel Sock-O-Let	160.35	
		For Work In Restricted Working Space, Add	40.88	
23 21 13 23-0709	EA	2", 3,000 Lb., Forge Steel Sock-O-Let	208.15	
		For Work In Restricted Working Space, Add	53.42	
23 21 13 23-0710	EA	2-1/2", 3,000 Lb., Forge Steel Sock-O-Let	333.06	
		For Work In Restricted Working Space, Add	68.69	
23 21 13 23-0711	EA	3", 3,000 Lb., Forge Steel Sock-O-Let	458.34	
		For Work In Restricted Working Space, Add	96.18	
23 21 13 23-0712	EA	4", 3,000 Lb., Forge Steel Sock-O-Let	616.02	
		For Work In Restricted Working Space, Add	120.23	
23 21 13 23-0713		Class 150 Flange, Steel Bolt And Gasket Sets (23 21 13 23-0393)		
		Note: Used between weld neck or slip-on flanges and valves, or equipment with bolt connections, or between two bolted valves. Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets.		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 21 13 23-0714	EA	3/4" To 1-1/2" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	16.06	
		Note: Includes rubber gasket, and four (4) 1/2" diameter bolts with washers and nut.		
		For Zinc Plated, Add	4.50	
		For Hot Dip Galvanized, Add	6.42	
		For Advanced Fluoropolymer (Blue Coating), Add	11.24	
23 21 13 23-0715	EA	2" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	20.38	
		Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	5.71	
		For Hot Dip Galvanized, Add	8.15	
		For Advanced Fluoropolymer (Blue Coating), Add	14.27	
23 21 13 23-0716	EA	2-1/2" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	20.60	
		Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	5.77	
		For Hot Dip Galvanized, Add	8.24	
		For Advanced Fluoropolymer (Blue Coating), Add	14.42	
23 21 13 23-0717	EA	3" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	20.71	
		Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	5.80	
		For Hot Dip Galvanized, Add	8.28	
		For Advanced Fluoropolymer (Blue Coating), Add	14.50	
23 21 13 23-0718	EA	4" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	47.10	
		Note: Includes rubber gasket, and eight (8) 5/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	13.19	
		For Hot Dip Galvanized, Add	18.84	
		For Advanced Fluoropolymer (Blue Coating), Add	32.97	
23 21 13 23-0719	EA	5" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	65.97	
		Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	18.47	
		For Hot Dip Galvanized, Add	26.39	
		For Advanced Fluoropolymer (Blue Coating), Add	46.18	
23 21 13 23-0720	EA	6" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	72.75	
		Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	20.37	
		For Hot Dip Galvanized, Add	29.10	
		For Advanced Fluoropolymer (Blue Coating), Add	50.93	
23 21 13 23-0721	EA	8" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	80.11	
		Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	22.43	
		For Hot Dip Galvanized, Add	32.04	
		For Advanced Fluoropolymer (Blue Coating), Add	56.08	
23 21 13 23-0722	EA	10" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	175.74	
		Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	49.21	
		For Hot Dip Galvanized, Add	70.30	
		For Advanced Fluoropolymer (Blue Coating), Add	123.02	
23 21 13 23-0723	EA	12" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	180.03	
		Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	50.41	
		For Hot Dip Galvanized, Add	72.01	
		For Advanced Fluoropolymer (Blue Coating), Add	126.02	
23 21 13 23-0724	EA	14" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	202.02	
		Note: Includes rubber gasket, and twelve (12) 1" diameter bolts with washers and nut.		
		For Zinc Plated, Add	56.57	
		For Hot Dip Galvanized, Add	80.81	
		For Advanced Fluoropolymer (Blue Coating), Add	141.41	
23 21 13 23-0725	EA	16" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	333.60	
		Note: Includes rubber gasket, and sixteen (16) 1" diameter bolts with washers and nut.		
		For Zinc Plated, Add	93.41	
		For Hot Dip Galvanized, Add	133.44	
		For Advanced Fluoropolymer (Blue Coating), Add	233.52	
23 21 13 23-0726	EA	18" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	479.19	
		Note: Includes rubber gasket, and sixteen (16) 1-1/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	134.17	
		For Hot Dip Galvanized, Add	191.68	
		For Advanced Fluoropolymer (Blue Coating), Add	335.43	
23 21 13 23-0727	EA	20" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	605.60	
		Note: Includes rubber gasket, and twenty (20) 1-1/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	169.57	
		For Hot Dip Galvanized, Add	242.24	
		For Advanced Fluoropolymer (Blue Coating), Add	423.92	
23 21 13 23-0728	EA	24" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	861.40	
		Note: Includes rubber gasket, and twenty (20) 1-1/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	241.19	
		For Hot Dip Galvanized, Add	344.56	
		For Advanced Fluoropolymer (Blue Coating), Add	602.98	
23 21 13 23-0729	EA	30" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	1,359.20	
		Note: Includes rubber gasket, and twenty-eight (28) 1-1/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	380.58	
		For Hot Dip Galvanized, Add	543.68	
		For Advanced Fluoropolymer (Blue Coating), Add	951.44	
23 21 13 23-0730	EA	36" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	1,913.08	
		Note: Includes rubber gasket, and thirty-two (32) 1-1/2" diameter bolts with washers and nut.		
		For Zinc Plated, Add	535.66	
		For Hot Dip Galvanized, Add	765.23	
		For Advanced Fluoropolymer (Blue Coating), Add	1,339.16	

23 21 13 23-0731 Class 300 Flange, Steel Bolt And Gasket Sets (23 21 13 23-0393)

Note: Used between weld neck or slip-on flanges and valves, or equipment with bolt connections, or between two bolted valves. Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets.

MINOR		CSI UOM DESCRIPTION		TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
23 21 13 23-0732	EA	3/4" To 1-1/2" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set	25.86		
		Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.			
		For Zinc Plated, Add	7.24		
		For Hot Dip Galvanized, Add	10.34		
		For Advanced Fluoropolymer (Blue Coating), Add	18.10		
23 21 13 23-0733	EA	2" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	47.27		
		Note: Includes rubber gasket, and eight (8) 5/8" diameter bolts with washers and nut.			
		For Zinc Plated, Add	13.24		
		For Hot Dip Galvanized, Add	18.91		
		For Advanced Fluoropolymer (Blue Coating), Add	33.09		
23 21 13 23-0734	EA	2-1/2" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set	73.46		
		Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.			
		For Zinc Plated, Add	20.57		
		For Hot Dip Galvanized, Add	29.38		
		For Advanced Fluoropolymer (Blue Coating), Add	51.42		
23 21 13 23-0735	EA	3" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	79.82		
		Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.			
		For Zinc Plated, Add	22.35		
		For Hot Dip Galvanized, Add	31.93		
		For Advanced Fluoropolymer (Blue Coating), Add	55.87		
23 21 13 23-0736	EA	4" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	84.22		
		Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.			
		For Zinc Plated, Add	23.58		
		For Hot Dip Galvanized, Add	33.69		
		For Advanced Fluoropolymer (Blue Coating), Add	58.95		
23 21 13 23-0737	EA	5" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	93.04		
		Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.			
		For Zinc Plated, Add	26.05		
		For Hot Dip Galvanized, Add	37.22		
		For Advanced Fluoropolymer (Blue Coating), Add	65.13		
23 21 13 23-0738	EA	6" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	131.39		
		Note: Includes rubber gasket, and twelve (12) 3/4" diameter bolts with washers and nut.			
		For Zinc Plated, Add	36.79		
		For Hot Dip Galvanized, Add	52.56		
		For Advanced Fluoropolymer (Blue Coating), Add	91.97		
23 21 13 23-0739	EA	8" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	203.05		
		Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.			
		For Zinc Plated, Add	56.85		
		For Hot Dip Galvanized, Add	81.22		
		For Advanced Fluoropolymer (Blue Coating), Add	142.14		
23 21 13 23-0740	EA	10" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	366.86		
		Note: Includes rubber gasket, and sixteen (16) 1" diameter bolts with washers and nut.			
		For Zinc Plated, Add	102.72		
		For Hot Dip Galvanized, Add	146.74		
		For Advanced Fluoropolymer (Blue Coating), Add	256.80		
23 21 13 23-0741	EA	12" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	526.79		
		Note: Includes rubber gasket, and sixteen (16) 1-1/8" diameter bolts with washers and nut.			
		For Zinc Plated, Add	147.50		
		For Hot Dip Galvanized, Add	210.72		
		For Advanced Fluoropolymer (Blue Coating), Add	368.75		
23 21 13 23-0742	EA	14" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	719.29		
		Note: Includes rubber gasket, and twenty (20) 1-1/8" diameter bolts with washers and nut.			
		For Zinc Plated, Add	201.40		
		For Hot Dip Galvanized, Add	287.72		
		For Advanced Fluoropolymer (Blue Coating), Add	503.50		
23 21 13 23-0743	EA	16" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	989.84		
		Note: Includes rubber gasket, and twenty (20) 1-1/4" diameter bolts with washers and nut.			
		For Zinc Plated, Add	277.16		
		For Hot Dip Galvanized, Add	395.94		
		For Advanced Fluoropolymer (Blue Coating), Add	692.89		
23 21 13 23-0744	EA	18" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	1,273.06		
		Note: Includes rubber gasket, and twenty-four (24) 1-1/4" diameter bolts with washers and nut.			
		For Zinc Plated, Add	356.46		
		For Hot Dip Galvanized, Add	509.22		
		For Advanced Fluoropolymer (Blue Coating), Add	891.14		
23 21 13 23-0745	EA	20" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	1,352.81		
		Note: Includes rubber gasket, and twenty-four (24) 1-1/4" diameter bolts with washers and nut.			
		For Zinc Plated, Add	378.79		
		For Hot Dip Galvanized, Add	541.12		
		For Advanced Fluoropolymer (Blue Coating), Add	946.97		
23 21 13 23-0746	EA	24" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	1,718.72		
		Note: Includes rubber gasket, and twenty-four (24) 1-1/2" diameter bolts with washers and nut.			
		For Zinc Plated, Add	481.24		
		For Hot Dip Galvanized, Add	687.49		
		For Advanced Fluoropolymer (Blue Coating), Add	1,203.10		
23 21 13 23-0747	EA	30" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	2,707.37		
		Note: Includes rubber gasket, and twenty-eight (28) 1-3/4" diameter bolts with washers and nut.			
		For Zinc Plated, Add	758.06		
		For Hot Dip Galvanized, Add	1,082.95		
		For Advanced Fluoropolymer (Blue Coating), Add	1,895.16		
23 21 13 23-0748	EA	36" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	4,006.96		
		Note: Includes rubber gasket, and thirty-two (32) 2" diameter bolts with washers and nut.			
		For Zinc Plated, Add	1,121.95		
		For Hot Dip Galvanized, Add	1,602.78		
		For Advanced Fluoropolymer (Blue Coating), Add	2,804.87		
23 21 13 23-0749		150 Lb., Rubber Flange Gasket Replacement (23 21 13 23-0393)			
		Note: Includes unbolting, removal of old gaskets, new 150 Lb. rubber gasket and rebolting.			

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 21 13 23-0750	EA 1/2", 150 Lb., Rubber Flange Gasket Replacement.....	35.04	
	For Work In Restricted Working Space, Add	10.30	
	For 300 Lb. Rating Gasket Set, Add	0.25	
23 21 13 23-0751	EA 3/4", 150 Lb., Rubber Flange Gasket Replacement.....	37.57	
	For Work In Restricted Working Space, Add	10.99	
	For 300 Lb. Rating Gasket Set, Add	0.33	
23 21 13 23-0752	EA 1", 150 Lb., Rubber Flange Gasket Replacement.....	41.70	
	For Work In Restricted Working Space, Add	12.02	
	For 300 Lb. Rating Gasket Set, Add	0.57	
23 21 13 23-0753	EA 1-1/4", 150 Lb., Rubber Flange Gasket Replacement	45.38	
	For Work In Restricted Working Space, Add	13.05	
	For 300 Lb. Rating Gasket Set, Add	0.66	
23 21 13 23-0754	EA 1-1/2", 150 Lb., Rubber Flange Gasket Replacement	50.43	
	For Work In Restricted Working Space, Add	14.42	
	For 300 Lb. Rating Gasket Set, Add	0.82	
23 21 13 23-0755	EA 2", 150 Lb., Rubber Flange Gasket Replacement.....	55.94	
	For Work In Restricted Working Space, Add	15.80	
	For 300 Lb. Rating Gasket Set, Add	1.15	
23 21 13 23-0756	EA 2-1/2", 150 Lb., Rubber Flange Gasket Replacement	66.28	
	For Work In Restricted Working Space, Add	18.55	
	For 300 Lb. Rating Gasket Set, Add	1.56	
23 21 13 23-0757	EA 3", 150 Lb., Rubber Flange Gasket Replacement.....	70.42	
	For Work In Restricted Working Space, Add	19.58	
	For 300 Lb. Rating Gasket Set, Add	1.81	
23 21 13 23-0758	EA 4", 150 Lb., Rubber Flange Gasket Replacement.....	94.30	
	For Work In Restricted Working Space, Add	25.76	
	For 300 Lb. Rating Gasket Set, Add	2.95	
23 21 13 23-0759	EA 5", 150 Lb., Rubber Flange Gasket Replacement.....	108.98	
	For Work In Restricted Working Space, Add	29.88	
	For 300 Lb. Rating Gasket Set, Add	3.28	
23 21 13 23-0760	EA 6", 150 Lb., Rubber Flange Gasket Replacement.....	125.53	
	For Work In Restricted Working Space, Add	34.00	
	For 300 Lb. Rating Gasket Set, Add	4.27	
23 21 13 23-0761	EA 8", 150 Lb., Rubber Flange Gasket Replacement.....	155.20	
	For Work In Restricted Working Space, Add	41.21	
	For 300 Lb. Rating Gasket Set, Add	6.24	
23 21 13 23-0762	EA 10", 150 Lb., Rubber Flange Gasket Replacement.....	171.85	
	For Work In Restricted Working Space, Add	43.96	
	For 300 Lb. Rating Gasket Set, Add	8.86	
23 21 13 23-0763	EA 12", 150 Lb., Rubber Flange Gasket Replacement.....	198.36	
	For Work In Restricted Working Space, Add	49.80	
	For 300 Lb. Rating Gasket Set, Add	11.33	
23 21 13 23-0764	EA 14", 150 Lb., Rubber Flange Gasket Replacement.....	210.42	
	For Work In Restricted Working Space, Add	51.52	
	For 300 Lb. Rating Gasket Set, Add	13.54	
23 21 13 23-0765	EA 16", 150 Lb., Rubber Flange Gasket Replacement.....	272.10	
	For Work In Restricted Working Space, Add	68.69	
	For 300 Lb. Rating Gasket Set, Add	15.10	
23 21 13 23-0766	EA 18", 150 Lb., Rubber Flange Gasket Replacement.....	295.72	
	For Work In Restricted Working Space, Add	75.21	
	For 300 Lb. Rating Gasket Set, Add	15.76	
23 21 13 23-0767	EA 20", 150 Lb., Rubber Flange Gasket Replacement.....	353.94	
	For Work In Restricted Working Space, Add	91.69	
	For 300 Lb. Rating Gasket Set, Add	16.91	

23 21 13 23-0768 150 Lb., Spiral Wound Metal Flange Gasket Replacement (23 21 13 23-0393)

Note: Includes unbolting, removal of old gaskets, new 150 Lb. spiral wound metal flange gasket (1/8" thick carbon steel outer ring with spiral wound 304 stainless steel inner ring) and rebolting.

23 21 13 23-0769	EA 1/2", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	38.88	
	For Work In Restricted Working Space, Add	10.30	
	For 300 Lb., Add	0.34	
23 21 13 23-0770	EA 3/4", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	41.23	
	For Work In Restricted Working Space, Add	10.99	
	For 300 Lb., Add	0.35	
23 21 13 23-0771	EA 1", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	44.71	
	For Work In Restricted Working Space, Add	12.02	
	For 300 Lb., Add	0.35	
23 21 13 23-0772	EA 1-1/4", 150 Lb., Spiral Wound Metal Flange Gasket Replacement.....	48.86	
	For Work In Restricted Working Space, Add	13.05	
	For 300 Lb., Add	0.40	
23 21 13 23-0773	EA 1-1/2", 150 Lb., Spiral Wound Metal Flange Gasket Replacement.....	53.55	
	For Work In Restricted Working Space, Add	14.42	
	For 300 Lb., Add	0.41	
23 21 13 23-0774	EA 2", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	58.38	
	For Work In Restricted Working Space, Add	15.80	
	For 300 Lb., Add	0.43	
23 21 13 23-0775	EA 2-1/2", 150 Lb., Spiral Wound Metal Flange Gasket Replacement.....	68.04	
	For Work In Restricted Working Space, Add	18.55	
	For 300 Lb., Add	0.47	
23 21 13 23-0776	EA 3", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	71.98	
	For Work In Restricted Working Space, Add	19.58	
	For 300 Lb., Add	0.50	
23 21 13 23-0777	EA 4", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	94.45	
	For Work In Restricted Working Space, Add	25.76	
	For 300 Lb., Add	0.64	
23 21 13 23-0778	EA 5", 150 Lb., Spiral Wound Metal Flange Gasket Replacement.....	110.20	
	For Work In Restricted Working Space, Add	29.87	
	For 300 Lb., Add	0.80	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0779	EA	6", 150 Lb., Spiral Wound Metal Flange Gasket Replacement.....	125.13	
		For Work In Restricted Working Space, Add	34.01	
		For 300 Lb., Add	0.88	
23 21 13 23-0780	EA	8", 150 Lb., Spiral Wound Metal Flange Gasket Replacement.....	151.46	
		For Work In Restricted Working Space, Add	41.22	
		For 300 Lb., Add	1.05	
23 21 13 23-0781	EA	10", 150 Lb., Spiral Wound Metal Flange Gasket Replacement.....	165.93	
		For Work In Restricted Working Space, Add	43.96	
		For 300 Lb., Add	1.45	
23 21 13 23-0782	EA	12", 150 Lb., Spiral Wound Metal Flange Gasket Replacement.....	195.23	
		For Work In Restricted Working Space, Add	49.80	
		For 300 Lb., Add	2.19	
23 21 13 23-0783		150 Lb., Flexible Graphite Flange Gasket Replacement (23 21 13 23-0393)		
		Note: Includes unbolting, removal of old gaskets, new 150 Lb. spiral wound metal flange gasket (flexible graphite outer ring with 316 stainless steel inner ring) and rebolting.		
23 21 13 23-0784	EA	1/2", 150 Lb., Flexible Graphite Flange Gasket Replacement.....	35.25	
		For Work In Restricted Working Space, Add	10.30	
23 21 13 23-0785	EA	3/4", 150 Lb., Flexible Graphite Flange Gasket Replacement.....	38.13	
		For Work In Restricted Working Space, Add	10.99	
23 21 13 23-0786	EA	1", 150 Lb., Flexible Graphite Flange Gasket Replacement.....	41.79	
		For Work In Restricted Working Space, Add	12.02	
23 21 13 23-0787	EA	1-1/4", 150 Lb., Flexible Graphite Flange Gasket Replacement.....	45.96	
		For Work In Restricted Working Space, Add	13.05	
23 21 13 23-0788	EA	1-1/2", 150 Lb., Flexible Graphite Flange Gasket Replacement.....	50.70	
		For Work In Restricted Working Space, Add	14.42	
23 21 13 23-0789	EA	2", 150 Lb., Flexible Graphite Flange Gasket Replacement.....	56.10	
		For Work In Restricted Working Space, Add	15.80	
23 21 13 23-0790	EA	2-1/2", 150 Lb., Flexible Graphite Flange Gasket Replacement.....	66.47	
		For Work In Restricted Working Space, Add	18.55	
23 21 13 23-0791	EA	3", 150 Lb., Flexible Graphite Flange Gasket Replacement.....	70.16	
		For Work In Restricted Working Space, Add	19.58	
23 21 13 23-0792	EA	4", 150 Lb., Flexible Graphite Flange Gasket Replacement.....	93.79	
		For Work In Restricted Working Space, Add	25.76	
23 21 13 23-0793	EA	5", 150 Lb., Flexible Graphite Flange Gasket Replacement.....	109.04	
		For Work In Restricted Working Space, Add	29.87	
23 21 13 23-0794	EA	6", 150 Lb., Flexible Graphite Flange Gasket Replacement.....	123.88	
		For Work In Restricted Working Space, Add	34.01	
23 21 13 23-0795	EA	8", 150 Lb., Flexible Graphite Flange Gasket Replacement.....	155.11	
		For Work In Restricted Working Space, Add	41.22	
23 21 13 23-0796	EA	10", 150 Lb., Flexible Graphite Flange Gasket Replacement.....	172.25	
		For Work In Restricted Working Space, Add	43.96	
23 21 13 23-0797	EA	12", 150 Lb., Flexible Graphite Flange Gasket Replacement.....	197.80	
		For Work In Restricted Working Space, Add	49.80	
23 21 13 23-0798		150 Lb., Teflon, Spiral Wound, Flange Gasket Replacement (23 21 13 23-0393)		
		Note: Includes unbolting, removal of old gaskets, new 150 Lb. spiral wound metal flange gasket (teflon outer ring with 304 stainless steel inner ring) and rebolting.		
23 21 13 23-0799	EA	1/2", 150 Lb. Teflon, Spiral Wound, Flange Gasket Replacement.....	55.26	
		For Work In Restricted Working Space, Add	10.30	
23 21 13 23-0800	EA	3/4", 150 Lb. Teflon, Spiral Wound, Flange Gasket Replacement.....	58.98	
		For Work In Restricted Working Space, Add	10.99	
23 21 13 23-0801	EA	1", 150 Lb. Teflon, Spiral Wound, Flange Gasket Replacement.....	63.87	
		For Work In Restricted Working Space, Add	12.02	
23 21 13 23-0802	EA	1-1/4", Teflon, Spiral Wound, Flange Gasket Replacement.....	72.33	
		For Work In Restricted Working Space, Add	13.05	
23 21 13 23-0803	EA	1-1/2", Teflon, Spiral Wound, Flange Gasket Replacement.....	77.87	
		For Work In Restricted Working Space, Add	14.42	
23 21 13 23-0804	EA	2", Teflon, Spiral Wound, Flange Gasket Replacement.....	84.93	
		For Work In Restricted Working Space, Add	15.80	
23 21 13 23-0805	EA	2-1/2", 150 Lb. Teflon, Spiral Wound, Flange Gasket Replacement.....	98.71	
		For Work In Restricted Working Space, Add	18.55	
23 21 13 23-0806	EA	3", 150 Lb. Teflon, Spiral Wound, Flange Gasket Replacement.....	112.07	
		For Work In Restricted Working Space, Add	19.58	
23 21 13 23-0807	EA	4", 150 Lb. Teflon, Spiral Wound, Flange Gasket Replacement.....	141.59	
		For Work In Restricted Working Space, Add	25.76	
23 21 13 23-0808	EA	5", 150 Lb. Teflon, Spiral Wound, Flange Gasket Replacement.....	169.01	
		For Work In Restricted Working Space, Add	29.87	
23 21 13 23-0809	EA	6", 150 Lb. Teflon, Spiral Wound, Flange Gasket Replacement.....	220.94	
		For Work In Restricted Working Space, Add	34.01	
23 21 13 23-0810	EA	8", 150 Lb. Teflon, Spiral Wound, Flange Gasket Replacement.....	243.66	
		For Work In Restricted Working Space, Add	41.22	
23 21 13 23-0811	EA	10", 150 Lb. Teflon, Spiral Wound, Flange Gasket Replacement.....	277.25	
		For Work In Restricted Working Space, Add	43.96	
23 21 13 23-0812	EA	12", 150 Lb. Teflon, Spiral Wound, Flange Gasket Replacement.....	363.43	
		For Work In Restricted Working Space, Add	49.80	
23 21 13 23-0813		Cut And Prepare For Welding Existing In-Place Black Steel Pipe (23 21 13 23-0393)		
		Note: For use when connecting pipe to an existing in-place system.		
23 21 13 23-0814	EA	1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe.....	24.85	
		For Work In Restricted Working Space, Add	7.46	
23 21 13 23-0815	EA	3/4", Cut And Prepare For Welding Existing In Place Black Steel Pipe.....	26.84	
		For Work In Restricted Working Space, Add	8.05	
23 21 13 23-0816	EA	1", Cut And Prepare For Welding Existing In Place Black Steel Pipe.....	30.19	
		For Work In Restricted Working Space, Add	9.06	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 21 13 23-0817	EA	1-1/4", Cut And Prepare For Welding Existing In Place Black Steel Pipe	31.68	
		<i>For Work In Restricted Working Space, Add</i>	9.50	
23 21 13 23-0818	EA	1-1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe	33.54	
		<i>For Work In Restricted Working Space, Add</i>	10.06	
23 21 13 23-0819	EA	2", Cut And Prepare For Welding Existing In Place Black Steel Pipe	36.03	
		<i>For Work In Restricted Working Space, Add</i>	10.81	
23 21 13 23-0820	EA	2-1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe	38.53	
		<i>For Work In Restricted Working Space, Add</i>	11.56	
23 21 13 23-0821	EA	3", Cut And Prepare For Welding Existing In Place Black Steel Pipe	42.25	
		<i>For Work In Restricted Working Space, Add</i>	12.68	
23 21 13 23-0822	EA	4", Cut And Prepare For Welding Existing In Place Black Steel Pipe	45.97	
		<i>For Work In Restricted Working Space, Add</i>	13.79	
23 21 13 23-0823	EA	6", Cut And Prepare For Welding Existing In Place Black Steel Pipe	49.70	
		<i>For Work In Restricted Working Space, Add</i>	14.91	
23 21 13 23-0824	EA	8", Cut And Prepare For Welding Existing In Place Black Steel Pipe	53.43	
		<i>For Work In Restricted Working Space, Add</i>	16.03	
23 21 13 23-0825	EA	10", Cut And Prepare For Welding Existing In Place Black Steel Pipe	58.40	
		<i>For Work In Restricted Working Space, Add</i>	17.52	
23 21 13 23-0826	EA	12", Cut And Prepare For Welding Existing In Place Black Steel Pipe	63.37	
		<i>For Work In Restricted Working Space, Add</i>	19.01	
23 21 13 23-0827	EA	14", Cut And Prepare For Welding Existing In Place Black Steel Pipe	68.35	
		<i>For Work In Restricted Working Space, Add</i>	20.51	
23 21 13 23-0828	EA	16", Cut And Prepare For Welding Existing In Place Black Steel Pipe	73.32	
		<i>For Work In Restricted Working Space, Add</i>	22.00	
23 21 13 23-0829	EA	18", Cut And Prepare For Welding Existing In Place Black Steel Pipe	77.04	
		<i>For Work In Restricted Working Space, Add</i>	23.11	
23 21 13 23-0830	EA	20", Cut And Prepare For Welding Existing In Place Black Steel Pipe	80.76	
		<i>For Work In Restricted Working Space, Add</i>	24.23	
23 21 13 23-0831	EA	24", Cut And Prepare For Welding Existing In Place Black Steel Pipe	85.74	
		<i>For Work In Restricted Working Space, Add</i>	25.72	

23 21 13 23-0832 Welded Plain End Electric Resistance Black Steel Pipe (23 21 13 23-0393)

Note: ASTM A-135.

23 21 13 23-0833	LF	2" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	32.93	12.78
		<i>For Work In Restricted Working Space, Add</i>	6.27	
23 21 13 23-0834	LF	2-1/2" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	39.37	13.94
		<i>For Work In Restricted Working Space, Add</i>	6.27	
23 21 13 23-0835	LF	3" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	43.24	13.71
		<i>For Work In Restricted Working Space, Add</i>	6.15	
23 21 13 23-0836	LF	4" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	53.60	17.43
		<i>For Work In Restricted Working Space, Add</i>	7.84	
23 21 13 23-0837	LF	6" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	91.88	25.79
		<i>For Work In Restricted Working Space, Add</i>	11.59	
23 21 13 23-0838	LF	8.322" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	119.62	29.63
		<i>For Work In Restricted Working Space, Add</i>	13.35	
23 21 13 23-0839	LF	10.365" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	166.96	36.89
		<i>For Work In Restricted Working Space, Add</i>	16.60	
23 21 13 23-0840	LF	12.375" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	203.20	44.49
		<i>For Work In Restricted Working Space, Add</i>	20.00	
23 21 13 23-0841	LF	14.375" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	257.88	57.72
		<i>For Work In Restricted Working Space, Add</i>	25.97	

23 21 13 23-0842 Flanged Steel Fittings (23 21 13 23)

See CSI section 23 21 13 23-0394 for steel pipe, 23 21 13 23-0637 for welded neck flange ends.

23 21 13 23-0843 Flanged Steel Fittings, Standard Weight (23 21 13 23-0842)

Note: Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets. See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.

23 21 13 23-0844 Flanged Steel, 90 Degree Elbows (23 21 13 23-0843)

23 21 13 23-0845	EA	2" Standard Weight, Flanged Steel, 90 Degree Elbow	322.28	53.43
		<i>For Galvanized Fittings, Add</i>	193.74	
		<i>For Extra Heavy Weight Fittings, Add</i>	290.62	
23 21 13 23-0846	EA	2-1/2" Standard Weight, Flanged Steel, 90 Degree Elbow	359.43	59.50
		<i>For Galvanized Fittings, Add</i>	216.14	
		<i>For Extra Heavy Weight Fittings, Add</i>	324.22	
23 21 13 23-0847	EA	3" Standard Weight, Flanged Steel, 90 Degree Elbow	361.27	65.68
		<i>For Galvanized Fittings, Add</i>	210.30	
		<i>For Extra Heavy Weight Fittings, Add</i>	315.44	
23 21 13 23-0848	EA	4" Standard Weight, Flanged Steel, 90 Degree Elbow	453.97	76.32
		<i>For Galvanized Fittings, Add</i>	271.64	
		<i>For Extra Heavy Weight Fittings, Add</i>	407.46	
23 21 13 23-0849	EA	5" Standard Weight, Flanged Steel, 90 Degree Elbow	621.04	85.47
		<i>For Galvanized Fittings, Add</i>	394.31	
		<i>For Extra Heavy Weight Fittings, Add</i>	591.47	
23 21 13 23-0850	EA	6" Standard Weight, Flanged Steel, 90 Degree Elbow	662.32	99.21
		<i>For Galvanized Fittings, Add</i>	410.86	
		<i>For Extra Heavy Weight Fittings, Add</i>	616.30	
23 21 13 23-0851	EA	8" Standard Weight, Flanged Steel, 90 Degree Elbow	830.09	109.84
		<i>For Galvanized Fittings, Add</i>	532.26	
		<i>For Extra Heavy Weight Fittings, Add</i>	798.40	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0852		Flanged Steel, Reducing 90 Degree Elbows (23 21 13 23-0843)		
23 21 13 23-0853	EA	2-1/2" x 2" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	573.91	56.53
		For Galvanized Fittings, Add	391.39	
		For Extra Heavy Weight Fittings, Add	587.09	
23 21 13 23-0854	EA	3" x 2-1/2" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	600.10	62.59
		For Galvanized Fittings, Add	405.02	
		For Extra Heavy Weight Fittings, Add	607.54	
23 21 13 23-0855	EA	4" x 3" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	742.91	70.94
		For Galvanized Fittings, Add	509.20	
		For Extra Heavy Weight Fittings, Add	763.80	
23 21 13 23-0856	EA	5" x 3" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	911.63	75.52
		For Galvanized Fittings, Add	638.69	
		For Extra Heavy Weight Fittings, Add	958.03	
23 21 13 23-0857	EA	6" x 4" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	1,039.48	87.76
		For Galvanized Fittings, Add	726.31	
		For Extra Heavy Weight Fittings, Add	1,089.47	
23 21 13 23-0858	EA	8" x 6" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	1,438.27	104.58
		For Galvanized Fittings, Add	1,025.21	
		For Extra Heavy Weight Fittings, Add	1,537.81	
23 21 13 23-0859		Flanged Steel, 45 Degree Elbows (23 21 13 23-0843)		
23 21 13 23-0860	EA	2" Standard Weight, Flanged Steel, 45 Degree Elbow	409.91	53.43
		For Galvanized Fittings, Add	263.65	
		For Extra Heavy Weight Fittings, Add	395.77	
23 21 13 23-0861	EA	2-1/2" Standard Weight, Flanged Steel, 45 Degree Elbow	430.01	59.50
		For Galvanized Fittings, Add	272.61	
		For Extra Heavy Weight Fittings, Add	408.91	
23 21 13 23-0862	EA	3" Standard Weight, Flanged Steel, 45 Degree Elbow	448.90	65.68
		For Galvanized Fittings, Add	280.40	
		For Extra Heavy Weight Fittings, Add	420.60	
23 21 13 23-0863	EA	4" Standard Weight, Flanged Steel, 45 Degree Elbow	556.19	76.32
		For Galvanized Fittings, Add	353.42	
		For Extra Heavy Weight Fittings, Add	530.12	
23 21 13 23-0864	EA	5" Standard Weight, Flanged Steel, 45 Degree Elbow	786.55	85.47
		For Galvanized Fittings, Add	526.72	
		For Extra Heavy Weight Fittings, Add	790.08	
23 21 13 23-0865	EA	6" Standard Weight, Flanged Steel, 45 Degree Elbow	776.72	99.21
		For Galvanized Fittings, Add	502.38	
		For Extra Heavy Weight Fittings, Add	753.58	
23 21 13 23-0866	EA	8" Standard Weight, Flanged Steel, 45 Degree Elbow	911.56	109.84
		For Galvanized Fittings, Add	597.44	
		For Extra Heavy Weight Fittings, Add	896.16	
23 21 13 23-0867		Flanged Steel, Tees (23 21 13 23-0843)		
23 21 13 23-0868	EA	2" Standard Weight, Flanged Steel, Tee	420.74	80.10
		For Galvanized Fittings, Add	240.48	
		For Extra Heavy Weight Fittings, Add	360.72	
23 21 13 23-0869	EA	2-1/2" Standard Weight, Flanged Steel, Tee	534.27	89.25
		For Galvanized Fittings, Add	320.32	
		For Extra Heavy Weight Fittings, Add	480.48	
23 21 13 23-0870	EA	3" Standard Weight, Flanged Steel, Tee	498.11	98.40
		For Galvanized Fittings, Add	280.41	
		For Extra Heavy Weight Fittings, Add	420.61	
23 21 13 23-0871	EA	4" Standard Weight, Flanged Steel, Tee	694.93	114.53
		For Galvanized Fittings, Add	418.64	
		For Extra Heavy Weight Fittings, Add	627.96	
23 21 13 23-0872	EA	5" Standard Weight, Flanged Steel, Tee	1,005.63	128.26
		For Galvanized Fittings, Add	650.73	
		For Extra Heavy Weight Fittings, Add	976.09	
23 21 13 23-0873	EA	6" Standard Weight, Flanged Steel, Tee	1,222.43	148.87
		For Galvanized Fittings, Add	799.46	
		For Extra Heavy Weight Fittings, Add	1,199.18	
23 21 13 23-0874	EA	8" Standard Weight, Flanged Steel, Tee	1,358.42	172.44
		For Galvanized Fittings, Add	879.86	
		For Extra Heavy Weight Fittings, Add	1,319.80	
23 21 13 23-0875		Flanged Steel, Reducing Tees (23 21 13 23-0843)		
23 21 13 23-0876	EA	2-1/2" Standard Weight, Flanged Steel, Reducing Tee	639.22	86.27
		For Galvanized Fittings, Add	407.94	
		For Extra Heavy Weight Fittings, Add	611.92	
23 21 13 23-0877	EA	3" Standard Weight, Flanged Steel, Reducing Tee	735.71	95.43
		For Galvanized Fittings, Add	474.14	
		For Extra Heavy Weight Fittings, Add	711.22	
23 21 13 23-0878	EA	4" Standard Weight, Flanged Steel, Reducing Tee	1,230.86	109.15
		For Galvanized Fittings, Add	853.79	
		For Extra Heavy Weight Fittings, Add	1,280.69	
23 21 13 23-0879	EA	5" Standard Weight, Flanged Steel, Reducing Tee	1,334.07	123.69
		For Galvanized Fittings, Add	918.97	
		For Extra Heavy Weight Fittings, Add	1,378.45	
23 21 13 23-0880	EA	6" Standard Weight, Flanged Steel, Reducing Tee	1,668.40	142.00
		For Galvanized Fittings, Add	1,164.46	
		For Extra Heavy Weight Fittings, Add	1,746.70	
23 21 13 23-0881	EA	8" Standard Weight, Flanged Steel, Reducing Tee	2,071.94	159.50
		For Galvanized Fittings, Add	1,466.25	
		For Extra Heavy Weight Fittings, Add	2,199.37	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 21 13 23-0882	Flanged Steel, Concentric Reducers (23 21 13 23-0843)		
23 21 13 23-0883	EA 3" x 2-1/2" Standard Weight, Flanged Steel, Concentric Reducer	592.79	62.59
	For Galvanized Fittings, Add	399.18	
	For Extra Heavy Weight Fittings, Add	598.76	
23 21 13 23-0884	EA 4" x 3" Standard Weight, Flanged Steel, Concentric Reducer	673.54	70.94
	For Galvanized Fittings, Add	453.70	
	For Extra Heavy Weight Fittings, Add	680.56	
23 21 13 23-0885	EA 5" x 4" Standard Weight, Flanged Steel, Concentric Reducer	984.15	80.89
	For Galvanized Fittings, Add	690.29	
	For Extra Heavy Weight Fittings, Add	1,035.43	
23 21 13 23-0886	EA 6" x 4" Standard Weight, Flanged Steel, Concentric Reducer	1,084.51	87.76
	For Galvanized Fittings, Add	762.34	
	For Extra Heavy Weight Fittings, Add	1,143.50	
23 21 13 23-0887	EA 8" x 6" Standard Weight, Flanged Steel, Concentric Reducer	1,271.54	104.58
	For Galvanized Fittings, Add	891.82	
	For Extra Heavy Weight Fittings, Add	1,337.74	
23 21 13 23-0888	Flanged Steel, Eccentric Reducers (23 21 13 23-0843)		
23 21 13 23-0889	EA 4" x 3" Standard Weight, Flanged Steel, Eccentric Reducer	642.87	70.94
	For Galvanized Fittings, Add	429.17	
	For Extra Heavy Weight Fittings, Add	643.75	
23 21 13 23-0890	EA 5" x 4" Standard Weight, Flanged Steel, Eccentric Reducer	864.15	80.89
	For Galvanized Fittings, Add	594.29	
	For Extra Heavy Weight Fittings, Add	891.43	
23 21 13 23-0891	Plain End Couplings And Fittings (23 21 13 23)		
	Note: For use on standard weight steel pipe (Schedule 40), but may be used on lightwall steel or other metallic pipe such as aluminum or stainless steel.		
23 21 13 23-0892	Plain End Piping System Couplings (23 21 13 23-0891)		
23 21 13 23-0893	Plainlock Plain End Piping System Couplings (23 21 13 23-0892)		
	Note: Ductile iron body with gasket, bolts and nuts.		
23 21 13 23-0894	EA 1" Plainlock Plain End Piping System Coupling	167.95	6.87
	For Galvanized Fittings, Add	31.53	
23 21 13 23-0895	EA 1-1/2" Plainlock Plain End Piping System Coupling	171.95	9.49
	For Galvanized Fittings, Add	31.53	
23 21 13 23-0896	EA 2" Plainlock Plain End Piping System Coupling	176.59	12.59
	For Galvanized Fittings, Add	31.53	
23 21 13 23-0897	EA 2-1/2" Plainlock Plain End Piping System Coupling	180.55	15.21
	For Galvanized Fittings, Add	31.53	
23 21 13 23-0898	EA 3" Plainlock Plain End Piping System Coupling	213.52	18.30
	For Galvanized Fittings, Add	37.21	
23 21 13 23-0899	EA 4" Plainlock Plain End Piping System Coupling	294.40	24.38
	For Galvanized Fittings, Add	51.56	
23 21 13 23-0900	EA 6" Plainlock Plain End Piping System Coupling	494.79	39.70
	For Galvanized Fittings, Add	87.06	
23 21 13 23-0901	Roust-A-Bout Plain End Piping System Couplings (23 21 13 23-0892)		
	Note: Ductile iron body with gasket, bolts and nuts.		
23 21 13 23-0902	EA 1-1/2" Roust-A-Bout Plain End Piping System Coupling	202.57	9.49
	For Galvanized Fittings, Add	47.07	
23 21 13 23-0903	EA 2" Roust-A-Bout Plain End Piping System Coupling	207.21	12.59
	For Galvanized Fittings, Add	47.07	
23 21 13 23-0904	EA 2-1/2" Roust-A-Bout Plain End Piping System Coupling	211.18	15.33
	For Galvanized Fittings, Add	47.07	
23 21 13 23-0905	EA 3" Roust-A-Bout Plain End Piping System Coupling	306.33	18.30
	For Galvanized Fittings, Add	69.72	
23 21 13 23-0906	EA 3-1/2" Roust-A-Bout Plain End Piping System Coupling	354.81	21.40
	For Galvanized Fittings, Add	80.69	
23 21 13 23-0907	EA 4" Roust-A-Bout Plain End Piping System Coupling	359.34	24.38
	For Galvanized Fittings, Add	80.69	
23 21 13 23-0908	EA 5" Roust-A-Bout Plain End Piping System Coupling	506.88	30.55
	For Galvanized Fittings, Add	115.27	
23 21 13 23-0909	EA 6" Roust-A-Bout Plain End Piping System Coupling	622.66	39.70
	For Galvanized Fittings, Add	140.79	
23 21 13 23-0910	EA 8" Roust-A-Bout Plain End Piping System Coupling	1,069.57	47.37
	For Galvanized Fittings, Add	249.64	
23 21 13 23-0911	EA 10" Roust-A-Bout Plain End Piping System Coupling	1,383.24	56.06
	For Galvanized Fittings, Add	324.78	
23 21 13 23-0912	EA 12" Roust-A-Bout Plain End Piping System Coupling	1,729.67	66.36
	For Galvanized Fittings, Add	407.53	
23 21 13 23-0913	EA 14" Roust-A-Bout Plain End Piping System Coupling	2,424.80	73.34
	For Galvanized Fittings, Add	578.70	
23 21 13 23-0914	EA 16" Roust-A-Bout Plain End Piping System Coupling	3,294.28	82.96
	For Galvanized Fittings, Add	792.48	
23 21 13 23-0915	Plain End Piping System Fittings (23 21 13 23-0891)		
	Note: Cast ductile iron bodies.		
23 21 13 23-0916	Plain End Piping System, 90 Degree Elbows (23 21 13 23-0915)		
23 21 13 23-0917	EA 1" Plain End Piping System, 90 Degree Elbow	167.52	12.48
	For Galvanized Fittings, Add	29.76	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0918	EA		1-1/2" Plain End Piping System, 90 Degree Elbow.....	177.14	18.88
			For Galvanized Fittings, Add	29.76	
23 21 13 23-0919	EA		2" Plain End Piping System, 90 Degree Elbow.....	186.22	24.94
			For Galvanized Fittings, Add	29.76	
23 21 13 23-0920	EA		2-1/2" Plain End Piping System, 90 Degree Elbow.....	194.37	30.44
			For Galvanized Fittings, Add	29.76	
23 21 13 23-0921	EA		3" Plain End Piping System, 90 Degree Elbow.....	233.98	36.84
			For Galvanized Fittings, Add	35.75	
23 21 13 23-0922	EA		4" Plain End Piping System, 90 Degree Elbow.....	333.47	48.51
			For Galvanized Fittings, Add	52.14	
23 21 13 23-0923	EA		5" Plain End Piping System, 90 Degree Elbow.....	993.40	60.75
			For Galvanized Fittings, Add	180.46	
23 21 13 23-0924	EA		6" Plain End Piping System, 90 Degree Elbow.....	836.67	79.52
			For Galvanized Fittings, Add	143.50	
23 21 13 23-0925	EA		8" Plain End Piping System, 90 Degree Elbow.....	1,656.98	94.39
			For Galvanized Fittings, Add	303.07	
23 21 13 23-0926	EA		10" Plain End Piping System, 90 Degree Elbow.....	2,069.94	110.30
			For Galvanized Fittings, Add	380.92	
23 21 13 23-0927	EA		12" Plain End Piping System, 90 Degree Elbow.....	2,623.63	132.50
			For Galvanized Fittings, Add	485.00	
23 21 13 23-0928 Plain End Piping System, 45 Degree Elbows (23 21 13 23-0915)					
23 21 13 23-0929	EA		1" Plain End Piping System, 45 Degree Elbow.....	167.52	12.48
			For Galvanized Fittings, Add	29.76	
23 21 13 23-0930	EA		1-1/2" Plain End Piping System, 45 Degree Elbow.....	177.14	18.88
			For Galvanized Fittings, Add	29.76	
23 21 13 23-0931	EA		2" Plain End Piping System, 45 Degree Elbow.....	186.22	24.94
			For Galvanized Fittings, Add	29.76	
23 21 13 23-0932	EA		2-1/2" Plain End Piping System, 45 Degree Elbow.....	194.37	30.44
			For Galvanized Fittings, Add	29.76	
23 21 13 23-0933	EA		3" Plain End Piping System, 45 Degree Elbow.....	233.98	36.84
			For Galvanized Fittings, Add	35.75	
23 21 13 23-0934	EA		4" Plain End Piping System, 45 Degree Elbow.....	333.47	48.51
			For Galvanized Fittings, Add	52.14	
23 21 13 23-0935	EA		5" Plain End Piping System, 45 Degree Elbow.....	993.40	60.75
			For Galvanized Fittings, Add	180.46	
23 21 13 23-0936	EA		6" Plain End Piping System, 45 Degree Elbow.....	839.43	79.52
			For Galvanized Fittings, Add	144.05	
23 21 13 23-0937	EA		8" Plain End Piping System, 45 Degree Elbow.....	974.26	94.39
			For Galvanized Fittings, Add	166.53	
23 21 13 23-0938	EA		10" Plain End Piping System, 45 Degree Elbow.....	1,327.36	110.30
			For Galvanized Fittings, Add	232.40	
23 21 13 23-0939	EA		12" Plain End Piping System, 45 Degree Elbow.....	1,699.81	132.50
			For Galvanized Fittings, Add	300.23	
23 21 13 23-0940 Plain End Piping System, Tees (23 21 13 23-0915)					
23 21 13 23-0941	EA		1" Plain End Piping System, Tee.....	228.72	18.88
			For Galvanized Fittings, Add	40.08	
23 21 13 23-0942	EA		1-1/2" Plain End Piping System, Tee.....	242.90	28.37
			For Galvanized Fittings, Add	40.08	
23 21 13 23-0943	EA		2" Plain End Piping System, Tee.....	255.41	36.73
			For Galvanized Fittings, Add	40.08	
23 21 13 23-0944	EA		2-1/2" Plain End Piping System, Tee.....	267.86	44.97
			For Galvanized Fittings, Add	40.08	
23 21 13 23-0945	EA		3" Plain End Piping System, Tee.....	371.32	55.27
			For Galvanized Fittings, Add	57.68	
23 21 13 23-0946	EA		4" Plain End Piping System, Tee.....	508.21	71.52
			For Galvanized Fittings, Add	80.22	
23 21 13 23-0947	EA		5" Plain End Piping System, Tee.....	1,021.28	93.48
			For Galvanized Fittings, Add	176.21	
23 21 13 23-0948	EA		6" Plain End Piping System, Tee.....	1,262.88	117.05
			For Galvanized Fittings, Add	217.48	
23 21 13 23-0949	EA		8" Plain End Piping System, Tee.....	1,720.16	142.34
			For Galvanized Fittings, Add	301.34	
23 21 13 23-0950	EA		10" Plain End Piping System, Tee.....	2,549.59	165.91
			For Galvanized Fittings, Add	460.17	
23 21 13 23-0951	EA		12" Plain End Piping System, Tee.....	3,410.50	198.75
			For Galvanized Fittings, Add	622.51	
23 21 13 23-0952 Plain End Piping System, Reducing Tees (23 21 13 23-0915)					
23 21 13 23-0953	EA		1-1/2" Plain End Piping System, Reducing Tee.....	441.72	30.44
			For Galvanized Fittings, Add	79.22	
23 21 13 23-0954	EA		2" Plain End Piping System, Reducing Tee.....	451.13	36.73
			For Galvanized Fittings, Add	79.22	
23 21 13 23-0955	EA		2-1/2" Plain End Piping System, Reducing Tee.....	463.58	44.97
			For Galvanized Fittings, Add	79.22	
23 21 13 23-0956	EA		3" Plain End Piping System, Reducing Tee.....	479.04	55.27
			For Galvanized Fittings, Add	79.22	
23 21 13 23-0957	EA		4" Plain End Piping System, Reducing Tee.....	691.93	71.52
			For Galvanized Fittings, Add	116.96	
23 21 13 23-0958	EA		6" Plain End Piping System, Reducing Tee.....	1,168.54	117.05
			For Galvanized Fittings, Add	198.61	
23 21 13 23-0959	EA		8" Plain End Piping System, Reducing Tee.....	1,521.28	142.34
			For Galvanized Fittings, Add	261.56	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 21 13 23-0960	EA	10" Plain End Piping System, Reducing Tee	2,264.91		165.91
		<i>For Galvanized Fittings, Add</i>	403.23		
23 21 13 23-0961	EA	12" Plain End Piping System, Reducing Tee	3,329.04		198.75
		<i>For Galvanized Fittings, Add</i>	606.21		
23 21 13 23-0962 Plain End Piping System, Wyes (23 21 13 23-0915)					
23 21 13 23-0963	EA	2" Plain End Piping System, Wye	642.01		36.73
		<i>For Galvanized Fittings, Add</i>	117.40		
23 21 13 23-0964	EA	2-1/2" Plain End Piping System, Wye	654.46		44.97
		<i>For Galvanized Fittings, Add</i>	117.40		
23 21 13 23-0965	EA	3" Plain End Piping System, Wye	742.75		55.27
		<i>For Galvanized Fittings, Add</i>	131.97		
23 21 13 23-0966	EA	4" Plain End Piping System, Wye	1,086.53		71.52
		<i>For Galvanized Fittings, Add</i>	195.88		
23 21 13 23-0967	EA	5" Plain End Piping System, Wye	1,332.02		93.48
		<i>For Galvanized Fittings, Add</i>	238.36		
23 21 13 23-0968	EA	6" Plain End Piping System, Wye	1,816.65		117.05
		<i>For Galvanized Fittings, Add</i>	328.23		
23 21 13 23-0969	EA	8" Plain End Piping System, Wye	2,338.89		142.34
		<i>For Galvanized Fittings, Add</i>	425.08		
23 21 13 23-0970	EA	10" Plain End Piping System, Wye	3,382.92		165.91
		<i>For Galvanized Fittings, Add</i>	626.84		
23 21 13 23-0971	EA	12" Plain End Piping System, Wye	5,129.59		198.75
		<i>For Galvanized Fittings, Add</i>	966.32		
23 21 13 23-0972 Plain End Piping System, Laterals (23 21 13 23-0915)					
23 21 13 23-0973	EA	2" Plain End Piping System, Lateral	683.53		36.73
		<i>For Galvanized Fittings, Add</i>	125.70		
23 21 13 23-0974	EA	2-1/2" Plain End Piping System, Lateral	695.98		44.97
		<i>For Galvanized Fittings, Add</i>	125.70		
23 21 13 23-0975	EA	3" Plain End Piping System, Lateral	783.99		55.27
		<i>For Galvanized Fittings, Add</i>	140.21		
23 21 13 23-0976	EA	4" Plain End Piping System, Lateral	1,165.28		71.52
		<i>For Galvanized Fittings, Add</i>	211.63		
23 21 13 23-0977	EA	5" Plain End Piping System, Lateral	1,519.60		93.48
		<i>For Galvanized Fittings, Add</i>	275.88		
23 21 13 23-0978	EA	6" Plain End Piping System, Lateral	1,937.33		117.05
		<i>For Galvanized Fittings, Add</i>	352.37		
23 21 13 23-0979	EA	8" Plain End Piping System, Lateral	2,782.18		142.34
		<i>For Galvanized Fittings, Add</i>	513.74		
23 21 13 23-0980	EA	10" Plain End Piping System, Lateral	3,874.76		165.91
		<i>For Galvanized Fittings, Add</i>	725.20		
23 21 13 23-0981	EA	12" Plain End Piping System, Lateral	5,202.69		198.75
		<i>For Galvanized Fittings, Add</i>	980.94		
23 21 13 23-0982 Plain End Piping System, Crosses (23 21 13 23-0915)					
23 21 13 23-0983	EA	2" Plain End Piping System, Cross	764.88		55.04
		<i>For Galvanized Fittings, Add</i>	85.31		
23 21 13 23-0984	EA	2-1/2" Plain End Piping System, Cross	783.53		67.39
		<i>For Galvanized Fittings, Add</i>	85.31		
23 21 13 23-0985	EA	3" Plain End Piping System, Cross	915.92		82.96
		<i>For Galvanized Fittings, Add</i>	98.94		
23 21 13 23-0986	EA	4" Plain End Piping System, Cross	1,248.10		107.21
		<i>For Galvanized Fittings, Add</i>	135.92		
23 21 13 23-0987	EA	5" Plain End Piping System, Cross	1,754.80		140.28
		<i>For Galvanized Fittings, Add</i>	193.06		
23 21 13 23-0988	EA	6" Plain End Piping System, Cross	2,301.77		175.06
		<i>For Galvanized Fittings, Add</i>	254.92		
23 21 13 23-0989	EA	8" Plain End Piping System, Cross	2,934.12		212.03
		<i>For Galvanized Fittings, Add</i>	327.04		
23 21 13 23-0990	EA	10" Plain End Piping System, Cross	4,188.81		247.83
		<i>For Galvanized Fittings, Add</i>	477.17		
23 21 13 23-0991	EA	12" Plain End Piping System, Cross	5,951.23		298.18
		<i>For Galvanized Fittings, Add</i>	688.03		
23 21 13 23-0992 Plain End Piping System, Adapter Nipples (23 21 13 23-0915)					
Note: Plain to threaded, plain to beveled or plain to grooved.					
23 21 13 23-0993	EA	1" Plain End Piping System, Adapter Nipple	72.64		6.87
		<i>For Galvanized Fittings, Add</i>	15.59		
23 21 13 23-0994	EA	1-1/2" Plain End Piping System, Adapter Nipple	78.35		9.49
		<i>For Galvanized Fittings, Add</i>	16.01		
23 21 13 23-0995	EA	2" Plain End Piping System, Adapter Nipple	82.87		12.59
		<i>For Galvanized Fittings, Add</i>	16.01		
23 21 13 23-0996	EA	2-1/2" Plain End Piping System, Adapter Nipple	97.94		15.21
		<i>For Galvanized Fittings, Add</i>	18.76		
23 21 13 23-0997	EA	3" Plain End Piping System, Adapter Nipple	120.19		18.30
		<i>For Galvanized Fittings, Add</i>	23.18		
23 21 13 23-0998	EA	4" Plain End Piping System, Adapter Nipple	191.68		24.38
		<i>For Galvanized Fittings, Add</i>	38.77		
23 21 13 23-0999	EA	6" Plain End Piping System, Adapter Nipple	465.13		30.55
		<i>For Galvanized Fittings, Add</i>	104.84		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1000		Plain End Piping System, Reducing (Swaged) Nipples (23 21 13 23-0915)		
23 21 13 23-1001	EA	1-1/2" x 1" Plain End Piping System, Reducing (Swaged) Nipple.....	234.11	16.36
		For Galvanized Fittings, Add	52.38	
23 21 13 23-1002	EA	2" x 1" Plain End Piping System, Reducing (Swaged) Nipple.....	238.70	19.45
		For Galvanized Fittings, Add	52.38	
23 21 13 23-1003	EA	2" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple.....	243.32	22.54
		For Galvanized Fittings, Add	52.38	
23 21 13 23-1004	EA	2-1/2" x 1" Plain End Piping System, Reducing (Swaged) Nipple.....	242.20	21.86
		For Galvanized Fittings, Add	52.38	
23 21 13 23-1005	EA	2-1/2" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple	246.70	24.83
		For Galvanized Fittings, Add	52.38	
23 21 13 23-1006	EA	2-1/2" x 2" Plain End Piping System, Reducing (Swaged) Nipple.....	251.26	27.80
		For Galvanized Fittings, Add	52.38	
23 21 13 23-1007	EA	3" x 1" Plain End Piping System, Reducing (Swaged) Nipple.....	292.85	25.17
		For Galvanized Fittings, Add	63.79	
23 21 13 23-1008	EA	3" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple.....	296.91	27.80
		For Galvanized Fittings, Add	63.79	
23 21 13 23-1009	EA	3" x 2" Plain End Piping System, Reducing (Swaged) Nipple.....	242.62	30.89
		For Galvanized Fittings, Add	49.06	
23 21 13 23-1010	EA	3" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple.....	251.48	36.84
		For Galvanized Fittings, Add	49.06	
23 21 13 23-1011	EA	3-1/2" x 3" Plain End Piping System, Reducing (Swaged) Nipple.....	294.13	39.70
		For Galvanized Fittings, Add	58.67	
23 21 13 23-1012	EA	4" x 1" Plain End Piping System, Reducing (Swaged) Nipple.....	405.70	31.23
		For Galvanized Fittings, Add	89.70	
23 21 13 23-1013	EA	4" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple.....	409.71	33.98
		For Galvanized Fittings, Add	89.70	
23 21 13 23-1014	EA	4" x 2" Plain End Piping System, Reducing (Swaged) Nipple.....	327.25	37.07
		For Galvanized Fittings, Add	67.93	
23 21 13 23-1015	EA	4" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple.....	331.17	39.70
		For Galvanized Fittings, Add	67.93	
23 21 13 23-1016	EA	4" x 3" Plain End Piping System, Reducing (Swaged) Nipple.....	335.84	42.79
		For Galvanized Fittings, Add	67.93	
23 21 13 23-1017	EA	4" x 3-1/2" Plain End Piping System, Reducing (Swaged) Nipple.....	340.30	45.77
		For Galvanized Fittings, Add	67.93	
23 21 13 23-1018	EA	5" x 2" Plain End Piping System, Reducing (Swaged) Nipple.....	1,063.87	43.13
		For Galvanized Fittings, Add	249.79	
23 21 13 23-1019	EA	5" x 3" Plain End Piping System, Reducing (Swaged) Nipple.....	844.36	48.74
		For Galvanized Fittings, Add	192.80	
23 21 13 23-1020	EA	5" x 4" Plain End Piping System, Reducing (Swaged) Nipple.....	717.06	55.04
		For Galvanized Fittings, Add	158.66	
23 21 13 23-1021	EA	6" x 1" Plain End Piping System, Reducing (Swaged) Nipple.....	1,973.57	46.57
		For Galvanized Fittings, Add	475.95	
23 21 13 23-1022	EA	6" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple.....	1,977.52	49.21
		For Galvanized Fittings, Add	475.95	
23 21 13 23-1023	EA	6" x 2" Plain End Piping System, Reducing (Swaged) Nipple.....	1,486.48	52.29
		For Galvanized Fittings, Add	352.03	
23 21 13 23-1024	EA	6" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple.....	1,490.54	55.04
		For Galvanized Fittings, Add	352.03	
23 21 13 23-1025	EA	6" x 3" Plain End Piping System, Reducing (Swaged) Nipple.....	999.51	58.02
		For Galvanized Fittings, Add	228.14	
23 21 13 23-1026	EA	6" x 3-1/2" Plain End Piping System, Reducing (Swaged) Nipple.....	1,003.67	60.75
		For Galvanized Fittings, Add	228.14	
23 21 13 23-1027	EA	6" x 4" Plain End Piping System, Reducing (Swaged) Nipple.....	788.08	64.08
		For Galvanized Fittings, Add	173.02	
23 21 13 23-1028	EA	6" x 5" Plain End Piping System, Reducing (Swaged) Nipple.....	898.70	70.14
		For Galvanized Fittings, Add	198.38	
23 21 13 23-1029	EA	8" x 3" Plain End Piping System, Reducing (Swaged) Nipple.....	1,198.86	65.57
		For Galvanized Fittings, Add	275.14	
23 21 13 23-1030	EA	8" x 4" Plain End Piping System, Reducing (Swaged) Nipple.....	1,208.09	71.74
		For Galvanized Fittings, Add	275.14	
23 21 13 23-1031	EA	8" x 5" Plain End Piping System, Reducing (Swaged) Nipple.....	1,368.79	77.92
		For Galvanized Fittings, Add	313.01	
23 21 13 23-1032	EA	8" x 6" Plain End Piping System, Reducing (Swaged) Nipple.....	1,534.05	87.07
		For Galvanized Fittings, Add	350.86	
23 21 13 23-1033		Plain End Piping System, Bull Plugs (23 21 13 23-0915)		
23 21 13 23-1034	EA	1" Plain End Piping System, Bull Plug	333.87	6.87
		For Galvanized Fittings, Add	97.07	
23 21 13 23-1035	EA	1-1/2" Plain End Piping System, Bull Plug	337.87	9.49
		For Galvanized Fittings, Add	97.07	
23 21 13 23-1036	EA	2" Plain End Piping System, Bull Plug	342.39	12.59
		For Galvanized Fittings, Add	97.07	
23 21 13 23-1037	EA	2-1/2" Plain End Piping System, Bull Plug	346.45	15.21
		For Galvanized Fittings, Add	97.07	
23 21 13 23-1038	EA	3" Plain End Piping System, Bull Plug	501.78	18.30
		For Galvanized Fittings, Add	142.30	
23 21 13 23-1039	EA	4" Plain End Piping System, Bull Plug	649.27	24.38
		For Galvanized Fittings, Add	183.80	
23 21 13 23-1040	EA	5" Plain End Piping System, Bull Plug	1,128.46	30.55
		For Galvanized Fittings, Add	324.81	
23 21 13 23-1041	EA	6" Plain End Piping System, Bull Plug	1,503.55	39.70
		For Galvanized Fittings, Add	433.22	
23 21 13 23-1042	EA	8" Plain End Piping System, Bull Plug	2,785.83	47.25
		For Galvanized Fittings, Add	814.47	
23 21 13 23-1043	EA	10" Plain End Piping System, Bull Plug	5,011.36	55.27
		For Galvanized Fittings, Add	1,478.53	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 21 13 23-1044	EA	12" Plain End Piping System, Bull Plug	7,678.59	66.36
		<i>For Galvanized Fittings, Add</i>	2,273.72	

23 21 13 23-1045 Carbon Steel Piping Systems (23 21 13 23)**23 21 13 23-1046 Class 3,000 Lb. Carbon Steel Socket Weld Fittings** (23 21 13 23-1045)

Note: ASTM A105

23 21 13 23-1047 90 Degree Elbows, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-1046)

23 21 13 23-1048	EA	1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	46.24	22.65
23 21 13 23-1049	EA	3/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	52.05	25.28
23 21 13 23-1050	EA	1" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	68.37	28.26
23 21 13 23-1051	EA	1-1/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	96.44	32.04
23 21 13 23-1052	EA	1-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	110.49	36.05
23 21 13 23-1053	EA	2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	151.54	45.88
23 21 13 23-1054	EA	2-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	311.82	67.85
23 21 13 23-1055	EA	3" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	447.46	89.25
23 21 13 23-1056	EA	4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	805.37	92.97

23 21 13 23-1057 45 Degree Elbows, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-1046)

23 21 13 23-1058	EA	1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	51.67	22.65
23 21 13 23-1059	EA	3/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	60.27	25.28
23 21 13 23-1060	EA	1" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	70.90	28.26
23 21 13 23-1061	EA	1-1/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	99.64	32.04
23 21 13 23-1062	EA	1-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	118.16	36.05
23 21 13 23-1063	EA	2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	151.38	45.88
23 21 13 23-1064	EA	2-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	358.77	67.85
23 21 13 23-1065	EA	3" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	487.18	89.25
23 21 13 23-1066	EA	4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	788.18	92.97

23 21 13 23-1067 Straight Tees, 3,000 Lb. Carbon Steel Socket Weld (23 21 13 23-1046)

23 21 13 23-1068	EA	1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	56.40	28.26
23 21 13 23-1069	EA	3/4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	69.13	32.61
23 21 13 23-1070	EA	1" Tee, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	93.59	38.56
23 21 13 23-1071	EA	1-1/4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	127.11	45.88
23 21 13 23-1072	EA	1-1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	154.42	54.69
23 21 13 23-1073	EA	2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	206.81	67.85
23 21 13 23-1074	EA	2-1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	386.85	89.25
23 21 13 23-1075	EA	3" Tee, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	538.85	105.95
23 21 13 23-1076	EA	4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	1,068.61	117.36

23 21 13 23-1077 Reducing Tees, 3,000 Lb. Carbon Steel Socket Weld (23 21 13 23-1046)

23 21 13 23-1078	EA	1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	57.89	28.26
23 21 13 23-1079	EA	3/4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	70.67	32.61
23 21 13 23-1080	EA	1" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	95.43	38.56
23 21 13 23-1081	EA	1-1/4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	131.48	45.88
23 21 13 23-1082	EA	1-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	159.54	54.69
23 21 13 23-1083	EA	2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	214.66	67.85
23 21 13 23-1084	EA	2-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	405.52	89.25
23 21 13 23-1085	EA	3" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	565.72	105.95
23 21 13 23-1086	EA	4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	972.99	117.36

23 21 13 23-1087 Straight Couplings, 3,000 Lb. Carbon Steel Socket Weld (23 21 13 23-1046)

23 21 13 23-1088	EA	1/2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	39.53	22.65
23 21 13 23-1089	EA	3/4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	44.62	25.28
23 21 13 23-1090	EA	1" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	52.61	28.26
23 21 13 23-1091	EA	1-1/4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	60.88	32.04
23 21 13 23-1092	EA	1-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	71.45	36.05
23 21 13 23-1093	EA	2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	94.08	45.88
23 21 13 23-1094	EA	2-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	165.47	67.85
23 21 13 23-1095	EA	3" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	221.76	89.25
23 21 13 23-1096	EA	4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	314.76	92.97

23 21 13 23-1097 Reducing Couplings, 3,000 Lb. Carbon Steel Socket Weld (23 21 13 23-1046)

23 21 13 23-1098	EA	1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	42.57	22.65
23 21 13 23-1099	EA	3/4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	47.95	25.28
23 21 13 23-1100	EA	1" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	57.94	28.26
23 21 13 23-1101	EA	1-1/4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	67.31	32.04
23 21 13 23-1102	EA	1-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	80.99	36.05
23 21 13 23-1103	EA	2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	104.28	45.88
23 21 13 23-1104	EA	2-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	187.93	67.85
23 21 13 23-1105	EA	3" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	266.94	89.25
23 21 13 23-1106	EA	4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	408.68	92.97

23 21 13 23-1107 Caps, 3,000 Lb. Carbon Steel Socket Weld (23 21 13 23-1046)

23 21 13 23-1108	EA	1/2" Cap, Carbon Steel, Socket Weld, 3,000 Lb.	24.80	10.64
23 21 13 23-1109	EA	3/4" Cap, Carbon Steel, Socket Weld, 3,000 Lb.	28.63	11.33
23 21 13 23-1110	EA	1" Cap, Carbon Steel, Socket Weld, 3,000 Lb.	33.69	13.05

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1111	EA	1-1/4" Cap, Carbon Steel, Socket Weld, 3,000 Lb.....	39.61	14.19
23 21 13 23-1112	EA	1-1/2" Cap, Carbon Steel, Socket Weld, 3,000 Lb.....	46.37	14.19
23 21 13 23-1113	EA	2" Cap, Carbon Steel, Socket Weld, 3,000 Lb.....	60.20	18.19
23 21 13 23-1114	EA	2-1/2" Cap, Carbon Steel, Socket Weld, 3,000 Lb.....	111.30	22.65
23 21 13 23-1115	EA	3" Cap, Carbon Steel, Socket Weld, 3,000 Lb.....	162.94	27.35
23 21 13 23-1116	EA	4" Cap, Carbon Steel, Socket Weld, 3,000 Lb.....	237.88	31.81
23 21 13 23-1117 Black Cast Iron Square Head Plug (23 21 13 23-1046)				
23 21 13 23-1118	EA	1/2" Square Head Plug, Black, Cast Iron.....	15.42	9.04
23 21 13 23-1119	EA	3/4" Square Head Plug, Black, Cast Iron.....	18.31	9.04
23 21 13 23-1120	EA	1" Square Head Plug, Black, Cast Iron.....	25.88	13.73
23 21 13 23-1121	EA	1-1/4" Square Head Plug, Black, Cast Iron.....	26.45	13.73
23 21 13 23-1122	EA	1-1/2" Square Head Plug, Black, Cast Iron.....	28.85	13.73
23 21 13 23-1123	EA	2" Square Head Plug, Black, Cast Iron.....	38.15	18.19
23 21 13 23-1124	EA	2-1/2" Square Head Plug, Black, Cast Iron.....	49.58	22.65
23 21 13 23-1125	EA	3" Square Head Plug, Black, Cast Iron.....	66.18	27.35
23 21 13 23-1126	EA	4" Square Head Plug, Black, Cast Iron.....	77.31	31.81
23 21 13 23-1127 Unions, 3,000 Lb. Carbon Steel Socket Weld (23 21 13 23-1046)				
23 21 13 23-1128	EA	1/2" Union, Carbon Steel, Socket Weld, 3,000 Lb.....	73.95	28.26
23 21 13 23-1129	EA	3/4" Union, Carbon Steel, Socket Weld, 3,000 Lb.....	81.29	32.61
23 21 13 23-1130	EA	1" Union, Carbon Steel, Socket Weld, 3,000 Lb.....	105.14	38.56
23 21 13 23-1131	EA	1-1/4" Union, Carbon Steel, Socket Weld, 3,000 Lb.....	134.08	45.88
23 21 13 23-1132	EA	1-1/2" Union, Carbon Steel, Socket Weld, 3,000 Lb.....	161.79	54.69
23 21 13 23-1133	EA	2" Union, Carbon Steel, Socket Weld, 3,000 Lb.....	202.51	67.85
23 21 13 23-1134	EA	2-1/2" Union, Carbon Steel, Socket Weld, 3,000 Lb.....	368.68	73.68
23 21 13 23-1135	EA	3" Union, Carbon Steel, Socket Weld, 3,000 Lb.....	499.69	89.25
23 21 13 23-1136 Class 6,000 Lb. Carbon Steel Socket Weld Fittings (23 21 13 23-1045)				
Note: ASTM A105				
23 21 13 23-1137 90 Degree Elbow, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-1136)				
23 21 13 23-1138	EA	1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	52.79	22.65
23 21 13 23-1139	EA	3/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	59.53	25.28
23 21 13 23-1140	EA	1" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	82.18	28.26
23 21 13 23-1141	EA	1-1/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	122.17	32.04
23 21 13 23-1142	EA	1-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	140.43	36.05
23 21 13 23-1143	EA	2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	195.52	45.88
23 21 13 23-1144	EA	2-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	423.42	67.85
23 21 13 23-1145	EA	3" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	614.04	89.25
23 21 13 23-1146	EA	4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	1,159.11	92.97
23 21 13 23-1147 45 Degree Elbow, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-1136)				
23 21 13 23-1148	EA	1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	61.73	22.65
23 21 13 23-1149	EA	3/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	72.90	25.28
23 21 13 23-1150	EA	1" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	87.04	28.26
23 21 13 23-1151	EA	1-1/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	128.89	32.04
23 21 13 23-1152	EA	1-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	154.43	36.05
23 21 13 23-1153	EA	2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	198.18	45.88
23 21 13 23-1154	EA	2-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	504.32	67.85
23 21 13 23-1155	EA	3" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	687.25	89.25
23 21 13 23-1156	EA	4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	1,155.57	92.97
23 21 13 23-1157 Straight Tees, 6,000 Lb. Carbon Steel Socket Weld (23 21 13 23-1136)				
23 21 13 23-1158	EA	1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 Lb.....	69.38	28.26
23 21 13 23-1159	EA	3/4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 Lb.....	87.88	32.61
23 21 13 23-1160	EA	1" Tee, Straight, Carbon Steel, Socket Weld, 6,000 Lb.....	126.76	38.56
23 21 13 23-1161	EA	1-1/4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 Lb.....	181.20	45.88
23 21 13 23-1162	EA	1-1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 Lb.....	221.49	54.69
23 21 13 23-1163	EA	2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 Lb.....	304.16	67.85
23 21 13 23-1164	EA	2-1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 Lb.....	621.21	89.25
23 21 13 23-1165	EA	3" Tee, Straight, Carbon Steel, Socket Weld, 6,000 Lb.....	890.75	105.95
23 21 13 23-1166	EA	4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 Lb.....	1,895.35	117.36
23 21 13 23-1167 Reducing Tees, 6,000 Lb. Carbon Steel Socket Weld (23 21 13 23-1136)				
23 21 13 23-1168	EA	1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.....	57.89	28.26
23 21 13 23-1169	EA	3/4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.....	70.67	32.61
23 21 13 23-1170	EA	1" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.....	95.43	38.56
23 21 13 23-1171	EA	1-1/4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.....	131.48	45.88
23 21 13 23-1172	EA	1-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.....	159.54	54.69
23 21 13 23-1173	EA	2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.....	214.66	67.85
23 21 13 23-1174	EA	2-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.....	405.52	89.25
23 21 13 23-1175	EA	3" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.....	565.72	105.95
23 21 13 23-1176	EA	4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.....	972.99	117.36
23 21 13 23-1177 Straight Couplings, 6,000 Lb. Carbon Steel Socket Weld (23 21 13 23-1136)				
23 21 13 23-1178	EA	1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 Lb.....	42.26	22.65

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 21 13 23-1179	EA	3/4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	47.85	25.28
23 21 13 23-1180	EA	1" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	57.56	28.26
23 21 13 23-1181	EA	1-1/4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	67.12	32.04
23 21 13 23-1182	EA	1-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	79.84	36.05
23 21 13 23-1183	EA	2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	106.34	45.88
23 21 13 23-1184	EA	2-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	196.31	67.85
23 21 13 23-1185	EA	3" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	264.29	89.25
23 21 13 23-1186	EA	4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	399.60	92.97

23 21 13 23-1187 Reducing Couplings, 6,000 Lb. Carbon Steel Socket Weld (23 21 13 23-1136)

23 21 13 23-1188	EA	1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	46.73	22.65
23 21 13 23-1189	EA	3/4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	52.75	25.28
23 21 13 23-1190	EA	1" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	65.41	28.26
23 21 13 23-1191	EA	1-1/4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	76.59	32.04
23 21 13 23-1192	EA	1-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	93.90	36.05
23 21 13 23-1193	EA	2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	121.35	45.88
23 21 13 23-1194	EA	2-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	229.32	67.85
23 21 13 23-1195	EA	3" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	330.84	89.25
23 21 13 23-1196	EA	4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	537.97	92.97

23 21 13 23-1197 Caps, 6,000 Lb. Carbon Steel Socket Weld (23 21 13 23-1136)

23 21 13 23-1198	EA	1/2" Cap, Carbon Steel, Socket Weld, 6,000 Lb.	30.77	10.64
23 21 13 23-1199	EA	3/4" Cap, Carbon Steel, Socket Weld, 6,000 Lb.	36.46	11.33
23 21 13 23-1200	EA	1" Cap, Carbon Steel, Socket Weld, 6,000 Lb.	43.17	13.05
23 21 13 23-1201	EA	1-1/4" Cap, Carbon Steel, Socket Weld, 6,000 Lb.	51.98	14.19
23 21 13 23-1202	EA	1-1/2" Cap, Carbon Steel, Socket Weld, 6,000 Lb.	63.27	14.19
23 21 13 23-1203	EA	2" Cap, Carbon Steel, Socket Weld, 6,000 Lb.	82.26	18.19
23 21 13 23-1204	EA	2-1/2" Cap, Carbon Steel, Socket Weld, 6,000 Lb.	163.24	22.65
23 21 13 23-1205	EA	3" Cap, Carbon Steel, Socket Weld, 6,000 Lb.	244.77	27.35
23 21 13 23-1206	EA	4" Cap, Carbon Steel, Socket Weld, 6,000 Lb.	365.47	31.81

23 21 13 23-1207 Black Cast Iron Square Head Plug (23 21 13 23-1136)

23 21 13 23-1208	EA	1/2" Square Head Plug, Black Cast Iron	15.43	9.04
23 21 13 23-1209	EA	3/4" Square Head Plug, Black Cast Iron	18.33	9.04
23 21 13 23-1210	EA	1" Square Head Plug, Black Cast Iron	25.90	13.73
23 21 13 23-1211	EA	1-1/4" Square Head Plug, Black Cast Iron	26.48	13.73
23 21 13 23-1212	EA	1-1/2" Square Head Plug, Black Cast Iron	28.89	13.73
23 21 13 23-1213	EA	2" Square Head Plug, Black Cast Iron	38.21	18.19
23 21 13 23-1214	EA	2-1/2" Square Head Plug, Black Cast Iron	49.66	22.65
23 21 13 23-1215	EA	3" Square Head Plug, Black Cast Iron	66.31	27.35
23 21 13 23-1216	EA	4" Square Head Plug, Black Cast Iron	77.46	31.81

23 21 13 23-1217 Unions, 6,000 Lb. Carbon Steel Socket Weld (23 21 13 23-1136)

23 21 13 23-1218	EA	1/2" Union, Carbon Steel, Socket Weld, 6,000 Lb.	93.26	28.26
23 21 13 23-1219	EA	3/4" Union, Carbon Steel, Socket Weld, 6,000 Lb.	101.11	32.61
23 21 13 23-1220	EA	1" Union, Carbon Steel, Socket Weld, 6,000 Lb.	134.10	38.56
23 21 13 23-1221	EA	1-1/4" Union, Carbon Steel, Socket Weld, 6,000 Lb.	174.05	45.88
23 21 13 23-1222	EA	1-1/2" Union, Carbon Steel, Socket Weld, 6,000 Lb.	210.56	54.69
23 21 13 23-1223	EA	2" Union, Carbon Steel, Socket Weld, 6,000 Lb.	264.16	67.85
23 21 13 23-1224	EA	2-1/2" Union, Carbon Steel, Socket Weld, 6,000 Lb.	526.52	73.68
23 21 13 23-1225	EA	3" Union, Carbon Steel, Socket Weld, 6,000 Lb.	723.41	89.25

23 21 13 23-1226 Carbon Steel, Seamless Piping System (23 21 13 23-1045)

Note: ASTM A106 Excludes hangers or fittings. Demolition Note applies to all pipe demolition.

23 21 13 23-1227 Schedule 40, Carbon Steel, Seamless Piping (23 21 13 23-1226)

Note: ASTM A106 Excludes hangers, elbow, tee, or reducer fittings.

23 21 13 23-1228	LF	1/4" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe.....	12.04	4.23
		For Schedule 80, Add	2.05	
23 21 13 23-1229	LF	1/2" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe.....	12.14	4.58
		For Schedule 80, Add	1.87	
		For Schedule 160, Add	7.80	
23 21 13 23-1230	LF	3/4" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe.....	13.75	4.92
		For Schedule 80, Add	2.29	
		For Schedule 160, Add	9.56	
23 21 13 23-1231	LF	1" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe.....	14.56	5.38
		For Schedule 80, Add	2.36	
		For Schedule 160, Add	9.84	
23 21 13 23-1232	LF	1-1/2" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe.....	20.59	6.64
		For Schedule 80, Add	3.83	
		For Schedule 160, Add	15.96	
23 21 13 23-1233	LF	2" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe.....	24.78	8.00
		For Schedule 80, Add	4.59	
		For Schedule 160, Add	19.11	

23 21 13 23-1234 90 Degree Elbows, Screwed Carbon Steel (23 21 13 23-1226)

23 21 13 23-1235	EA	1/4" 90 Degree Elbow, 2,000 Lb., Screwed Carbon Steel	33.88	17.39
23 21 13 23-1236	EA	1/2" 90 Degree Elbow, 2,000 Lb., Screwed Carbon Steel	41.18	20.37
23 21 13 23-1237	EA	3/4" 90 Degree Elbow, 2,000 Lb., Screwed Carbon Steel	46.00	22.77
23 21 13 23-1238	EA	1" 90 Degree Elbow, 2,000 Lb., Screwed Carbon Steel	53.07	25.40

MINOR		CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1239	EA	1-1/2" 90 Degree Elbow, 2,000 Lb., Screwed Carbon Steel	87.24	32.49	
23 21 13 23-1240	EA	2" 90 Degree Elbow, 2,000 Lb., Screwed Carbon Steel	110.50	41.30	
23 21 13 23-1241	EA	1/4" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	36.36	17.39	
23 21 13 23-1242	EA	1/2" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	42.11	20.37	
23 21 13 23-1243	EA	3/4" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	49.06	22.77	
23 21 13 23-1244	EA	1" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	59.73	25.40	
23 21 13 23-1245	EA	1-1/2" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	103.16	32.49	
23 21 13 23-1246	EA	2" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	128.09	41.30	
23 21 13 23-1247	EA	1/2" 90 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	50.78	20.37	
23 21 13 23-1248	EA	3/4" 90 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	59.97	22.77	
23 21 13 23-1249	EA	1" 90 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	71.20	25.40	
23 21 13 23-1250	EA	1-1/2" 90 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	135.37	32.49	
23 21 13 23-1251	EA	2" 90 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	213.51	41.30	
23 21 13 23-1252 45 Degree Elbows, Screwed Carbon Steel (23 21 13 23-1226)					
23 21 13 23-1253	EA	1/4" 45 Degree Elbow, 2,000 Lb., Screwed Carbon Steel	38.98	17.39	
23 21 13 23-1254	EA	1/2" 45 Degree Elbow, 2,000 Lb., Screwed Carbon Steel	43.18	20.37	
23 21 13 23-1255	EA	3/4" 45 Degree Elbow, 2,000 Lb., Screwed Carbon Steel	48.58	22.77	
23 21 13 23-1256	EA	1" 45 Degree Elbow, 2,000 Lb., Screwed Carbon Steel	55.03	25.40	
23 21 13 23-1257	EA	1-1/2" 45 Degree Elbow, 2,000 Lb., Screwed Carbon Steel	80.88	32.49	
23 21 13 23-1258	EA	2" 45 Degree Elbow, 2,000 Lb., Screwed Carbon Steel	120.31	41.30	
23 21 13 23-1259	EA	1/4" 45 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	39.38	17.39	
23 21 13 23-1260	EA	1/2" 45 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	45.45	20.37	
23 21 13 23-1261	EA	3/4" 45 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	51.20	22.77	
23 21 13 23-1262	EA	1" 45 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	61.84	25.40	
23 21 13 23-1263	EA	1-1/2" 45 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	100.70	32.49	
23 21 13 23-1264	EA	2" 45 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	133.58	41.30	
23 21 13 23-1265	EA	1/2" 45 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	56.76	20.37	
23 21 13 23-1266	EA	3/4" 45 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	70.77	22.77	
23 21 13 23-1267	EA	1" 45 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	75.25	25.40	
23 21 13 23-1268	EA	1-1/2" 45 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	158.34	32.49	
23 21 13 23-1269	EA	2" 45 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	215.03	41.30	
23 21 13 23-1270 Straight Tees, Screwed Carbon Steel (23 21 13 23-1226)					
23 21 13 23-1271	EA	1/4" Tee, Straight, 2,000 Lb., Screwed Carbon Steel	45.27	24.14	
23 21 13 23-1272	EA	1/2" Tee, Straight, 2,000 Lb., Screwed Carbon Steel	51.97	25.40	
23 21 13 23-1273	EA	3/4" Tee, Straight, 2,000 Lb., Screwed Carbon Steel	62.87	29.41	
23 21 13 23-1274	EA	1" Tee, Straight, 2,000 Lb., Screwed Carbon Steel	77.79	34.67	
23 21 13 23-1275	EA	1-1/2" Tee, Straight, 2,000 Lb., Screwed Carbon Steel	128.06	49.21	
23 21 13 23-1276	EA	2" Tee, Straight, 2,000 Lb., Screwed Carbon Steel	158.76	61.10	
23 21 13 23-1277	EA	1/4" Tee, Straight, 3,000 Lb., Screwed Carbon Steel	47.39	24.14	
23 21 13 23-1278	EA	1/2" Tee, Straight, 3,000 Lb., Screwed Carbon Steel	53.35	25.40	
23 21 13 23-1279	EA	3/4" Tee, Straight, 3,000 Lb., Screwed Carbon Steel	67.48	29.41	
23 21 13 23-1280	EA	1" Tee, Straight, 3,000 Lb., Screwed Carbon Steel	81.73	34.67	
23 21 13 23-1281	EA	1-1/2" Tee, Straight, 3,000 Lb., Screwed Carbon Steel	141.72	49.21	
23 21 13 23-1282	EA	2" Tee, Straight, 3,000 Lb., Screwed Carbon Steel	181.36	61.10	
23 21 13 23-1283	EA	1/2" Tee, Straight, 6,000 Lb., Screwed Carbon Steel	63.74	25.40	
23 21 13 23-1284	EA	3/4" Tee, Straight, 6,000 Lb., Screwed Carbon Steel	78.65	29.41	
23 21 13 23-1285	EA	1" Tee, Straight, 6,000 Lb., Screwed Carbon Steel	109.35	34.67	
23 21 13 23-1286	EA	1-1/2" Tee, Straight, 6,000 Lb., Screwed Carbon Steel	173.09	49.21	
23 21 13 23-1287	EA	2" Tee, Straight, 6,000 Lb., Screwed Carbon Steel	281.37	61.10	
23 21 13 23-1288 Crosses, Screwed Carbon Steel (23 21 13 23-1226)					
23 21 13 23-1289	EA	1/4" Cross, 2,000 Lb., Screwed Carbon Steel	69.92	30.55	
23 21 13 23-1290	EA	1/2" Cross, 2,000 Lb., Screwed Carbon Steel	83.55	34.32	
23 21 13 23-1291	EA	3/4" Cross, 2,000 Lb., Screwed Carbon Steel	89.96	36.61	
23 21 13 23-1292	EA	1" Cross, 2,000 Lb., Screwed Carbon Steel	111.86	44.17	
23 21 13 23-1293	EA	1-1/2" Cross, 2,000 Lb., Screwed Carbon Steel	202.58	61.79	
23 21 13 23-1294	EA	2" Cross, 2,000 Lb., Screwed Carbon Steel	263.38	76.32	
23 21 13 23-1295	EA	1/2" Cross, 3,000 Lb., Screwed Carbon Steel	86.15	34.32	
23 21 13 23-1296	EA	3/4" Cross, 3,000 Lb., Screwed Carbon Steel	104.90	36.61	
23 21 13 23-1297	EA	1" Cross, 3,000 Lb., Screwed Carbon Steel	124.93	44.17	
23 21 13 23-1298	EA	1-1/2" Cross, 3,000 Lb., Screwed Carbon Steel	221.43	61.79	
23 21 13 23-1299	EA	2" Cross, 3,000 Lb., Screwed Carbon Steel	297.80	76.32	
23 21 13 23-1300	EA	1/2" Cross, 6,000 Lb., Screwed Carbon Steel	134.80	34.32	
23 21 13 23-1301	EA	3/4" Cross, 6,000 Lb., Screwed Carbon Steel	237.69	36.61	
23 21 13 23-1302	EA	1" Cross, 6,000 Lb., Screwed Carbon Steel	329.55	44.17	
23 21 13 23-1303	EA	1-1/2" Cross, 6,000 Lb., Screwed Carbon Steel	525.70	61.79	
23 21 13 23-1304	EA	2" Cross, 6,000 Lb., Screwed Carbon Steel	571.39	76.32	
23 21 13 23-1305 Straight Couplings, Screwed Carbon Steel (23 21 13 23-1226)					
23 21 13 23-1306	EA	1/4" Coupling, Straight, 3,000 Lb., Screwed Carbon Steel	30.63	17.39	
23 21 13 23-1307	EA	1/2" Coupling, Straight, 3,000 Lb., Screwed Carbon Steel	34.83	20.37	
23 21 13 23-1308	EA	3/4" Coupling, Straight, 3,000 Lb., Screwed Carbon Steel	40.09	22.77	
23 21 13 23-1309	EA	1" Coupling, Straight, 3,000 Lb., Screwed Carbon Steel	47.08	25.40	
23 21 13 23-1310	EA	1-1/2" Coupling, Straight, 3,000 Lb., Screwed Carbon Steel	71.18	32.49	
23 21 13 23-1311	EA	2" Coupling, Straight, 3,000 Lb., Screwed Carbon Steel	90.33	41.30	
23 21 13 23-1312	EA	1/4" Coupling, Straight, 6,000 Lb., Screwed Carbon Steel	36.86	17.39	
23 21 13 23-1313	EA	1/2" Coupling, Straight, 6,000 Lb., Screwed Carbon Steel	38.77	20.37	
23 21 13 23-1314	EA	3/4" Coupling, Straight, 6,000 Lb., Screwed Carbon Steel	43.12	22.77	
23 21 13 23-1315	EA	1" Coupling, Straight, 6,000 Lb., Screwed Carbon Steel	51.12	25.40	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 21 13 23-1316	EA	1-1/2" Coupling, Straight, 6,000 Lb., Screwed Carbon Steel	77.36	32.49
23 21 13 23-1317	EA	2" Coupling, Straight, 6,000 Lb., Screwed Carbon Steel	112.87	41.30

23 21 13 23-1318 Reducing Couplings, Screwed Carbon Steel (23 21 13 23-1226)

23 21 13 23-1319	EA	1/4" Coupling, Reducing, 3,000 Lb., Screwed Carbon Steel	31.49	18.54
23 21 13 23-1320	EA	1/2" Coupling, Reducing, 3,000 Lb., Screwed Carbon Steel	36.87	20.37
23 21 13 23-1321	EA	3/4" Coupling, Reducing, 3,000 Lb., Screwed Carbon Steel	43.22	22.77
23 21 13 23-1322	EA	1" Coupling, Reducing, 3,000 Lb., Screwed Carbon Steel	51.41	25.40
23 21 13 23-1323	EA	1-1/2" Coupling, Reducing, 3,000 Lb., Screwed Carbon Steel	72.31	32.49
23 21 13 23-1324	EA	2" Coupling, Reducing, 3,000 Lb., Screwed Carbon Steel	96.41	41.30
23 21 13 23-1325	EA	1/2" Coupling, Reducing, 6,000 Lb., Screwed Carbon Steel	116.72	20.37
23 21 13 23-1326	EA	3/4" Coupling, Reducing, 6,000 Lb., Screwed Carbon Steel	120.36	22.77
23 21 13 23-1327	EA	1" Coupling, Reducing, 6,000 Lb., Screwed Carbon Steel	141.34	25.40
23 21 13 23-1328	EA	1-1/2" Coupling, Reducing, 6,000 Lb., Screwed Carbon Steel	205.32	32.49
23 21 13 23-1329	EA	2" Coupling, Reducing, 6,000 Lb., Screwed Carbon Steel	297.73	41.30

23 21 13 23-1330 Caps, Screwed Carbon Steel (23 21 13 23-1226)

23 21 13 23-1331	EA	1/4" Cap, 3,000 Lb., Screwed Carbon Steel	15.38	7.78
23 21 13 23-1332	EA	1/2" Cap, 3,000 Lb., Screwed Carbon Steel	17.71	9.04
23 21 13 23-1333	EA	3/4" Cap, 3,000 Lb., Screwed Carbon Steel	20.93	10.18
23 21 13 23-1334	EA	1" Cap, 3,000 Lb., Screwed Carbon Steel	25.71	11.33
23 21 13 23-1335	EA	1-1/2" Cap, 3,000 Lb., Screwed Carbon Steel	35.55	14.42
23 21 13 23-1336	EA	2" Cap, 3,000 Lb., Screwed Carbon Steel	49.05	18.43
23 21 13 23-1337	EA	1/4" Cap, 6,000 Lb., Screwed Carbon Steel	22.86	7.78
23 21 13 23-1338	EA	1/2" Cap, 6,000 Lb., Screwed Carbon Steel	22.50	9.04
23 21 13 23-1339	EA	3/4" Cap, 6,000 Lb., Screwed Carbon Steel	28.74	10.18
23 21 13 23-1340	EA	1" Cap, 6,000 Lb., Screwed Carbon Steel	31.42	11.33
23 21 13 23-1341	EA	1-1/2" Cap, 6,000 Lb., Screwed Carbon Steel	58.80	14.42
23 21 13 23-1342	EA	2" Cap, 6,000 Lb., Screwed Carbon Steel	71.70	18.43

23 21 13 23-1343 Nipples, Screwed Carbon Steel (23 21 13 23-1226)

23 21 13 23-1344	EA	1/4" Nipple, 2" Long, Screwed Carbon Steel	18.92	10.41
23 21 13 23-1345	EA	1/2" Nipple, 2" Long, Screwed Carbon Steel	19.18	10.87
23 21 13 23-1346	EA	3/4" Nipple, 2" Long, Screwed Carbon Steel	18.99	10.87
23 21 13 23-1347	EA	1" Nipple, 2" Long, Screwed Carbon Steel	21.39	11.78
23 21 13 23-1348	EA	1-1/2" Nipple, 2" Long, Screwed Carbon Steel	24.79	12.70
23 21 13 23-1349	EA	2" Nipple, 2" Long, Screwed Carbon Steel	28.92	16.36
23 21 13 23-1350	EA	1/4" Nipple, 4" Long, Screwed Carbon Steel	20.35	10.41
23 21 13 23-1351	EA	1/2" Nipple, 4" Long, Screwed Carbon Steel	20.31	10.87
23 21 13 23-1352	EA	3/4" Nipple, 4" Long, Screwed Carbon Steel	20.28	10.87
23 21 13 23-1353	EA	1" Nipple, 4" Long, Screwed Carbon Steel	23.11	11.78
23 21 13 23-1354	EA	1-1/2" Nipple, 4" Long, Screwed Carbon Steel	27.87	12.70
23 21 13 23-1355	EA	2" Nipple, 4" Long, Screwed Carbon Steel	33.43	16.36
23 21 13 23-1356	EA	1/4" Nipple, 6" Long, Screwed Carbon Steel	23.76	10.41
23 21 13 23-1357	EA	1/2" Nipple, 6" Long, Screwed Carbon Steel	22.11	10.87
23 21 13 23-1358	EA	3/4" Nipple, 6" Long, Screwed Carbon Steel	22.28	10.87
23 21 13 23-1359	EA	1" Nipple, 6" Long, Screwed Carbon Steel	25.60	11.78
23 21 13 23-1360	EA	1-1/2" Nipple, 6" Long, Screwed Carbon Steel	32.08	12.70
23 21 13 23-1361	EA	2" Nipple, 6" Long, Screwed Carbon Steel	37.16	16.36

23 21 13 23-1362 Unions, Screwed Carbon Steel (23 21 13 23-1226)

23 21 13 23-1363	EA	1/4" Union, 3,000 Lb., Screwed Carbon Steel	39.38	25.28
23 21 13 23-1364	EA	1/2" Union, 3,000 Lb., Screwed Carbon Steel	40.58	25.40
23 21 13 23-1365	EA	3/4" Union, 3,000 Lb., Screwed Carbon Steel	46.52	29.41
23 21 13 23-1366	EA	1" Union, 3,000 Lb., Screwed Carbon Steel	55.67	34.67
23 21 13 23-1367	EA	1-1/2" Union, 3,000 Lb., Screwed Carbon Steel	80.00	49.21
23 21 13 23-1368	EA	2" Union, 3,000 Lb., Screwed Carbon Steel	99.33	61.10
23 21 13 23-1369	EA	1/4" Union, 6,000 Lb., Screwed Carbon Steel	72.50	25.28
23 21 13 23-1370	EA	1/2" Union, 6,000 Lb., Screwed Carbon Steel	80.62	25.40
23 21 13 23-1371	EA	3/4" Union, 6,000 Lb., Screwed Carbon Steel	95.01	29.41
23 21 13 23-1372	EA	1" Union, 6,000 Lb., Screwed Carbon Steel	115.43	34.67
23 21 13 23-1373	EA	1-1/2" Union, 6,000 Lb., Screwed Carbon Steel	202.19	49.21
23 21 13 23-1374	EA	2" Union, 6,000 Lb., Screwed Carbon Steel	249.72	61.10

23 21 13 23-1375 Weld Neck Flanges, Screwed Carbon Steel (23 21 13 23-1226)

23 21 13 23-1376	EA	1/2" Flange, 150 Lb., Screwed Carbon Steel	88.52	47.25
23 21 13 23-1377	EA	3/4" Flange, 150 Lb., Screwed Carbon Steel	92.51	49.55
23 21 13 23-1378	EA	1" Flange, 150 Lb., Screwed Carbon Steel	95.73	51.72
23 21 13 23-1379	EA	1-1/2" Flange, 150 Lb., Screwed Carbon Steel	106.16	58.24
23 21 13 23-1380	EA	2" Flange, 150 Lb., Screwed Carbon Steel	109.97	60.75
23 21 13 23-1381	EA	1/2" Flange, 300 Lb., Screwed Carbon Steel	89.64	47.25
		For Ring Type Joint, Add	18.73	
		For Blind Flange, Deduct	-32.11	
23 21 13 23-1382	EA	3/4" Flange, 300 Lb., Screwed Carbon Steel	93.70	49.55
		For Ring Type Joint, Add	19.36	
		For Blind Flange, Deduct	-33.61	
23 21 13 23-1383	EA	1" Flange, 300 Lb., Screwed Carbon Steel	97.53	51.72
		For Ring Type Joint, Add	19.97	
		For Blind Flange, Deduct	-35.02	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1384	EA	1-1/2" Flange, 300 Lb., Screwed Carbon Steel..... For Ring Type Joint, Add For Blind Flange, Deduct	110.46 23.11 -39.56	58.24
23 21 13 23-1385	EA	2" Flange, 300 Lb., Screwed Carbon Steel..... For Ring Type Joint, Add For Blind Flange, Deduct	114.27 23.11 -41.09	60.75
23 21 13 23-1386	EA	1/2" Flange, 600 Lb., Screwed Carbon Steel..... For Ring Type Joint, Add For Blind Flange, Deduct	97.01 26.10 -33.58	47.25
23 21 13 23-1387	EA	3/4" Flange, 600 Lb., Screwed Carbon Steel..... For Ring Type Joint, Add For Blind Flange, Deduct	100.44 26.10 -34.96	49.55
23 21 13 23-1388	EA	1" Flange, 600 Lb., Screwed Carbon Steel..... For Ring Type Joint, Add For Blind Flange, Deduct	104.85 27.29 -36.48	51.72
23 21 13 23-1389	EA	1-1/2" Flange, 600 Lb., Screwed Carbon Steel..... For Ring Type Joint, Add For Blind Flange, Deduct	119.52 32.17 -41.37	58.24
23 21 13 23-1390	EA	2" Flange, 600 Lb., Screwed Carbon Steel..... For Ring Type Joint, Add For Blind Flange, Deduct	121.10 29.94 -42.45	60.75
23 21 13 23-1391		Square Head Plugs, Screwed Carbon Steel (23 21 13 23-1226)		
23 21 13 23-1392	EA	1/4" Square Head Plug, Screwed Carbon Steel	6.46	3.20
23 21 13 23-1393	EA	1/2" Square Head Plug, Screwed Carbon Steel	7.72	3.78
23 21 13 23-1394	EA	3/4" Square Head Plug, Screwed Carbon Steel	9.01	4.35
23 21 13 23-1395	EA	1" Square Head Plug, Screwed Carbon Steel	13.10	6.40
23 21 13 23-1396	EA	1-1/2" Square Head Plug, Screwed Carbon Steel	17.45	6.40
23 21 13 23-1397	EA	2" Square Head Plug, Screwed Carbon Steel	25.59	8.36
23 21 13 23-1398		Hex Head Plugs, Screwed Carbon Steel (23 21 13 23-1226)		
23 21 13 23-1399	EA	1/4" Hex Head Plug, Screwed Carbon Steel.....	6.02	3.20
23 21 13 23-1400	EA	1/2" Hex Head Plug, Screwed Carbon Steel.....	7.31	3.78
23 21 13 23-1401	EA	3/4" Hex Head Plug, Screwed Carbon Steel.....	8.74	4.35
23 21 13 23-1402	EA	1" Hex Head Plug, Screwed Carbon Steel.....	12.87	6.40
23 21 13 23-1403	EA	1-1/2" Hex Head Plug, Screwed Carbon Steel	16.49	6.40
23 21 13 23-1404	EA	2" Hex Head Plug, Screwed Carbon Steel.....	26.28	8.36
23 21 13 23-1405		Round Head Plugs, Screwed Carbon Steel (23 21 13 23-1226)		
23 21 13 23-1406	EA	1/4" Round Head Plug, Screwed Carbon Steel	7.43	3.20
23 21 13 23-1407	EA	1/2" Round Head Plug, Screwed Carbon Steel	7.78	3.78
23 21 13 23-1408	EA	3/4" Round Head Plug, Screwed Carbon Steel	8.82	4.35
23 21 13 23-1409	EA	1" Round Head Plug, Screwed Carbon Steel	13.26	6.40
23 21 13 23-1410	EA	1-1/2" Round Head Plug, Screwed Carbon Steel	18.66	6.40
23 21 13 23-1411	EA	2" Round Head Plug, Screwed Carbon Steel	26.01	8.36
23 21 13 23-1412		Hexagon Bushings, Screwed Carbon Steel (23 21 13 23-1226)		
23 21 13 23-1413	EA	1/4" Hex Bushing, Screwed Carbon Steel	6.35	3.20
23 21 13 23-1414	EA	1/2" Hex Bushing, Screwed Carbon Steel	7.30	3.78
23 21 13 23-1415	EA	3/4" Hex Bushing, Screwed Carbon Steel	8.63	4.35
23 21 13 23-1416	EA	1" Hex Bushing, Screwed Carbon Steel	13.18	6.40
23 21 13 23-1417	EA	1-1/2" Hex Bushing, Screwed Carbon Steel	16.41	6.40
23 21 13 23-1418	EA	2" Hex Bushing, Screwed Carbon Steel	25.27	8.36
23 21 13 23-1419		90 Degree Street Elbows, Screwed Carbon Steel (23 21 13 23-1226)		
23 21 13 23-1420	EA	1/4" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	41.81	17.39
23 21 13 23-1421	EA	1/2" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	47.40	20.37
23 21 13 23-1422	EA	3/4" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	55.87	22.77
23 21 13 23-1423	EA	1" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	65.92	25.40
23 21 13 23-1424	EA	1-1/2" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	108.16	32.49
23 21 13 23-1425	EA	2" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	146.78	41.30
23 21 13 23-1426	EA	1/2" 90 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	70.03	20.37
23 21 13 23-1427	EA	3/4" 90 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	101.89	22.77
23 21 13 23-1428	EA	1" 90 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	142.93	25.40
23 21 13 23-1429	EA	1-1/2" 90 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	319.99	32.49
23 21 13 23-1430		Screwed Carbon Steel Laterals (23 21 13 23-1226)		
23 21 13 23-1431	EA	1/2" Lateral, Straight, 3,000 Lb., Screwed Carbon Steel.....	194.04	25.40
23 21 13 23-1432	EA	3/4" Lateral, Straight, 3,000 Lb., Screwed Carbon Steel.....	233.81	29.41
23 21 13 23-1433	EA	1" Lateral, Straight, 3,000 Lb., Screwed Carbon Steel.....	286.53	34.67
23 21 13 23-1434	EA	1-1/2" Lateral, Straight, 3,000 Lb., Screwed Carbon Steel	366.66	49.21
23 21 13 23-1435	EA	2" Lateral, Straight, 3,000 Lb., Screwed Carbon Steel.....	457.59	61.10
23 21 13 23-1436	EA	1/2" Lateral, Straight, 6,000 Lb., Screwed Carbon Steel.....	246.92	25.40
23 21 13 23-1437	EA	3/4" Lateral, Straight, 6,000 Lb., Screwed Carbon Steel.....	312.44	29.41
23 21 13 23-1438	EA	1" Lateral, Straight, 6,000 Lb., Screwed Carbon Steel.....	370.61	34.67
23 21 13 23-1439	EA	1-1/2" Lateral, Straight, 6,000 Lb., Screwed Carbon Steel	521.23	49.21

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 21 13 23-1440	Grooved-Joint Pipe (23 21 13 23)			
	Note: Includes grooving of pipe. Excludes hangers, elbow, tee, reducer fitting or couplings.			
23 21 13 23-1441	Schedule 10 Black Grooved Pipe (23 21 13 23-1440)			
23 21 13 23-1442	LF	2" Black Schedule 10 Grooved Pipe.....	36.88	14.53
23 21 13 23-1443	LF	2-1/2" Black Schedule 10 Grooved Pipe.....	49.51	19.91
23 21 13 23-1444	LF	3" Black Schedule 10 Grooved Pipe.....	55.79	22.08
23 21 13 23-1445	LF	3-1/2" Black Schedule 10 Grooved Pipe.....	63.41	22.89
23 21 13 23-1446	LF	4" Black Schedule 10 Grooved Pipe.....	67.00	24.83
23 21 13 23-1447	LF	5" Black Schedule 10 Grooved Pipe.....	97.93	30.44
23 21 13 23-1448	LF	6" Black Schedule 10 Grooved Pipe.....	123.37	43.26
23 21 13 23-1449	LF	8" Black Schedule 10 Grooved Pipe.....	176.14	48.51
23 21 13 23-1450	LF	10" Black Schedule 10 Grooved Pipe.....	222.47	58.47
23 21 13 23-1451	LF	12" Black Schedule 10 Grooved Pipe.....	257.50	66.25
23 21 13 23-1452	Schedule 40 Black Grooved Pipe (23 21 13 23-1440)			
23 21 13 23-1453	LF	3/4" Black Schedule 40 Grooved Pipe.....	22.06	8.81
23 21 13 23-1454	LF	1" Black Schedule 40 Grooved Pipe.....	24.93	9.96
23 21 13 23-1455	LF	1-1/4" Black Schedule 40 Grooved Pipe.....	28.71	10.75
23 21 13 23-1456	LF	1-1/2" Black Schedule 40 Grooved Pipe.....	32.66	12.24
23 21 13 23-1457	LF	2" Black Schedule 40 Grooved Pipe.....	41.06	15.57
23 21 13 23-1458	LF	2-1/2" Black Schedule 40 Grooved Pipe.....	57.45	21.29
23 21 13 23-1459	LF	3" Black Schedule 40 Grooved Pipe.....	68.42	24.26
23 21 13 23-1460	LF	4" Black Schedule 40 Grooved Pipe.....	85.96	27.00
23 21 13 23-1461	LF	5" Black Schedule 40 Grooved Pipe.....	121.45	32.83
23 21 13 23-1462	LF	6" Black Schedule 40 Grooved Pipe.....	161.13	47.37
23 21 13 23-1463	LF	8" Black Schedule 40 Grooved Pipe.....	220.43	53.67
23 21 13 23-1464	LF	10" Black Schedule 40 Grooved Pipe.....	310.97	64.08
23 21 13 23-1465	LF	12" Black Schedule 40 Grooved Pipe.....	367.68	73.57
23 21 13 23-1466	LF	14" Black Schedule 40 Grooved Pipe.....	483.75	99.43
23 21 13 23-1467	LF	16" Black Schedule 40 Grooved Pipe.....	560.01	116.94
23 21 13 23-1468	LF	18" Black Schedule 40 Grooved Pipe.....	697.49	142.00
23 21 13 23-1469	LF	20" Black Schedule 40 Grooved Pipe.....	802.92	165.57
23 21 13 23-1470	LF	24" Black Schedule 40 Grooved Pipe.....	1,062.43	198.75
23 21 13 23-1471	Schedule 80 Black Grooved Pipe (23 21 13 23-1440)			
23 21 13 23-1472	LF	3/4" Black Schedule 80 Grooved Pipe.....	24.19	9.62
23 21 13 23-1473	LF	1" Black Schedule 80 Grooved Pipe.....	27.16	10.18
23 21 13 23-1474	LF	1-1/4" Black Schedule 80 Grooved Pipe.....	32.37	11.33
23 21 13 23-1475	LF	1-1/2" Black Schedule 80 Grooved Pipe.....	36.98	12.70
23 21 13 23-1476	LF	2" Black Schedule 80 Grooved Pipe.....	47.88	16.36
23 21 13 23-1477	LF	2-1/2" Black Schedule 80 Grooved Pipe.....	67.87	22.54
23 21 13 23-1478	LF	3" Black Schedule 80 Grooved Pipe.....	82.03	25.28
23 21 13 23-1479	LF	4" Black Schedule 80 Grooved Pipe.....	106.05	27.58
23 21 13 23-1480	LF	5" Black Schedule 80 Grooved Pipe.....	167.33	34.67
23 21 13 23-1481	LF	6" Black Schedule 80 Grooved Pipe.....	214.62	49.66
23 21 13 23-1482	LF	8" Black Schedule 80 Grooved Pipe.....	333.75	56.76
23 21 13 23-1483	LF	10" Black Schedule 80 Grooved Pipe.....	416.92	68.54
23 21 13 23-1484	LF	12" Black Schedule 80 Grooved Pipe.....	431.55	82.85
23 21 13 23-1485	Schedule 40 Galvanized Grooved Pipe (23 21 13 23-1440)			
23 21 13 23-1486	LF	3/4" Galvanized Schedule 40 Grooved Pipe.....	20.45	8.81
23 21 13 23-1487	LF	1" Galvanized Schedule 40 Grooved Pipe.....	23.75	9.96
23 21 13 23-1488	LF	1-1/4" Galvanized Schedule 40 Grooved Pipe.....	26.53	10.75
23 21 13 23-1489	LF	1-1/2" Galvanized Schedule 40 Grooved Pipe.....	30.19	12.24
23 21 13 23-1490	LF	2" Galvanized Schedule 40 Grooved Pipe.....	38.16	15.57
23 21 13 23-1491	LF	2-1/2" Galvanized Schedule 40 Grooved Pipe.....	53.55	21.29
23 21 13 23-1492	LF	3" Galvanized Schedule 40 Grooved Pipe.....	63.77	24.26
23 21 13 23-1493	LF	4" Galvanized Schedule 40 Grooved Pipe.....	79.30	27.00
23 21 13 23-1494	LF	5" Galvanized Schedule 40 Grooved Pipe.....	112.43	32.83
23 21 13 23-1495	LF	6" Galvanized Schedule 40 Grooved Pipe.....	151.00	47.37
23 21 13 23-1496	LF	8" Galvanized Schedule 40 Grooved Pipe.....	202.37	53.67
23 21 13 23-1497	LF	10" Galvanized Schedule 40 Grooved Pipe.....	287.58	64.08
23 21 13 23-1498	LF	12" Galvanized Schedule 40 Grooved Pipe.....	340.11	73.57
23 21 13 23-1499	Schedule 80 Galvanized Grooved Pipe (23 21 13 23-1440)			
23 21 13 23-1500	LF	3/4" Galvanized Schedule 80 Grooved Pipe.....	21.92	9.62
23 21 13 23-1501	LF	1" Galvanized Schedule 80 Grooved Pipe.....	29.02	10.18
23 21 13 23-1502	LF	1-1/4" Galvanized Schedule 80 Grooved Pipe.....	29.16	11.33
23 21 13 23-1503	LF	1-1/2" Galvanized Schedule 80 Grooved Pipe.....	38.37	13.50
23 21 13 23-1504	LF	2" Galvanized Schedule 80 Grooved Pipe.....	43.19	16.36
23 21 13 23-1505	LF	2-1/2" Galvanized Schedule 80 Grooved Pipe.....	61.28	22.54
23 21 13 23-1506	LF	3" Galvanized Schedule 80 Grooved Pipe.....	74.05	25.28
23 21 13 23-1507	LF	4" Galvanized Schedule 80 Grooved Pipe.....	94.05	27.58
23 21 13 23-1508	LF	5" Galvanized Schedule 80 Grooved Pipe.....	142.97	34.67
23 21 13 23-1509	LF	6" Galvanized Schedule 80 Grooved Pipe.....	184.39	49.66
23 21 13 23-1510	LF	8" Galvanized Schedule 80 Grooved Pipe.....	279.16	56.76
23 21 13 23-1511	LF	10" Galvanized Schedule 80 Grooved Pipe.....	332.05	68.54
23 21 13 23-1512	LF	12" Galvanized Schedule 80 Grooved Pipe.....	362.96	82.85

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1513		Painted Grooved-Joint Pipe Fittings (23 21 13 23) Note: Couplings are not included with fittings.		
23 21 13 23-1514		Grooved Elbows (23 21 13 23-1513)		
23 21 13 23-1515		90 Degree Grooved Elbows (23 21 13 23-1514) Note: Victaulic No. 10		
23 21 13 23-1516	EA	3/4", Ductile Iron, Grooved 90 Degree Elbow For Galvanized Fittings, Add	90.64 23.74	12.48
23 21 13 23-1517	EA	1", Ductile Iron, Grooved 90 Degree Elbow For Galvanized Fittings, Add	90.64 23.74	12.48
23 21 13 23-1518	EA	1-1/4", Ductile Iron, Grooved 90 Degree Elbow For Galvanized Fittings, Add	95.31 23.74	15.57
23 21 13 23-1519	EA	1-1/2", Ductile Iron, Grooved 90 Degree Elbow For Galvanized Fittings, Add	100.26 23.74	18.88
23 21 13 23-1520	EA	2", Ductile Iron, Grooved 90 Degree Elbow For Galvanized Fittings, Add	109.34 23.74	24.94
23 21 13 23-1521	EA	2-1/2", Ductile Iron, Grooved 90 Degree Elbow For Galvanized Fittings, Add	117.49 23.74	30.44
23 21 13 23-1522	EA	3", Ductile Iron, Grooved 90 Degree Elbow For Galvanized Fittings, Add	183.01 42.17	36.84
23 21 13 23-1523	EA	4", Ductile Iron, Grooved 90 Degree Elbow For Galvanized Fittings, Add	212.07 45.93	48.63
23 21 13 23-1524	EA	5", Ductile Iron, Grooved 90 Degree Elbow For Galvanized Fittings, Add	429.92 111.81	60.75
23 21 13 23-1525	EA	6", Ductile Iron, Grooved 90 Degree Elbow For Galvanized Fittings, Add	512.95 129.94	79.52
23 21 13 23-1526	EA	8", Ductile Iron, Grooved 90 Degree Elbow For Galvanized Fittings, Add	970.62 273.48	94.63
23 21 13 23-1527	EA	10", Ductile Iron, Grooved 90 Degree Elbow For Galvanized Fittings, Add	1,456.70 426.08	110.41
23 21 13 23-1528	EA	12", Ductile Iron, Grooved 90 Degree Elbow For Galvanized Fittings, Add	2,268.18 682.94	132.50
23 21 13 23-1529	EA	14", Steel, Grooved 90 Degree Elbow For Galvanized Fittings, Add	4,528.15 1,420.28	149.55
23 21 13 23-1530	EA	16", Steel, Grooved 90 Degree Elbow For Galvanized Fittings, Add	5,879.95 1,858.45	165.57
23 21 13 23-1531	EA	18", Steel, Grooved 90 Degree Elbow For Galvanized Fittings, Add	7,413.78 2,357.06	180.90
23 21 13 23-1532	EA	20", Steel, Grooved 90 Degree Elbow For Galvanized Fittings, Add	9,668.22 3,097.42	188.10
23 21 13 23-1533	EA	24", Steel, Grooved 90 Degree Elbow For Galvanized Fittings, Add	13,840.25 4,457.26	222.44
23 21 13 23-1534		45 Degree Grooved Elbows (23 21 13 23-1514) Note: Victaulic No. 11		
23 21 13 23-1535	EA	3/4", Ductile Iron, Grooved 45 Degree Elbow For Galvanized Fittings, Add	90.59 17.25	12.48
23 21 13 23-1536	EA	1", Ductile Iron, Grooved 45 Degree Elbow For Galvanized Fittings, Add	90.59 17.25	12.48
23 21 13 23-1537	EA	1-1/4", Ductile Iron, Grooved 45 Degree Elbow For Galvanized Fittings, Add	95.26 17.25	15.57
23 21 13 23-1538	EA	1-1/2", Ductile Iron, Grooved 45 Degree Elbow For Galvanized Fittings, Add	100.21 17.25	18.88
23 21 13 23-1539	EA	2", Ductile Iron, Grooved 45 Degree Elbow For Galvanized Fittings, Add	109.29 17.25	24.94
23 21 13 23-1540	EA	2-1/2", Ductile Iron, Grooved 45 Degree Elbow For Galvanized Fittings, Add	117.44 17.25	30.44
23 21 13 23-1541	EA	3", Ductile Iron, Grooved 45 Degree Elbow For Galvanized Fittings, Add	182.96 30.66	36.84
23 21 13 23-1542	EA	4", Ductile Iron, Grooved 45 Degree Elbow For Galvanized Fittings, Add	212.07 33.41	48.63
23 21 13 23-1543	EA	5", Ductile Iron, Grooved 45 Degree Elbow For Galvanized Fittings, Add	429.92 81.32	60.75
23 21 13 23-1544	EA	6", Ductile Iron, Grooved 45 Degree Elbow For Galvanized Fittings, Add	512.95 94.50	79.52
23 21 13 23-1545	EA	8", Ductile Iron, Grooved 45 Degree Elbow For Galvanized Fittings, Add	970.62 198.90	94.63
23 21 13 23-1546	EA	10", Ductile Iron, Grooved 45 Degree Elbow For Galvanized Fittings, Add	1,456.70 309.88	110.41
23 21 13 23-1547	EA	12", Ductile Iron, Grooved 45 Degree Elbow For Galvanized Fittings, Add	2,268.18 496.69	132.50
23 21 13 23-1548	EA	14", Steel, Grooved 45 Degree Elbow For Galvanized Fittings, Add	4,528.15 1,032.93	149.55
23 21 13 23-1549	EA	16", Steel, Grooved 45 Degree Elbow For Galvanized Fittings, Add	5,879.95 1,351.60	165.57
23 21 13 23-1550	EA	18", Steel, Grooved 45 Degree Elbow For Galvanized Fittings, Add	7,413.78 1,714.23	180.90
23 21 13 23-1551	EA	20", Steel, Grooved 45 Degree Elbow For Galvanized Fittings, Add	9,668.73 2,252.67	188.46
23 21 13 23-1552	EA	24", Steel, Grooved 45 Degree Elbow For Galvanized Fittings, Add	13,840.25 3,241.65	222.44
23 21 13 23-1553		22-1/2 Degree Grooved Elbows (23 21 13 23-1514) Note: Victaulic No. 12		
23 21 13 23-1554	EA	1", Ductile Iron, Grooved 22-1/2 Degree Elbow For Galvanized Fittings, Add	95.32 18.39	12.48

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 21 13 23-1555	EA 1-1/4", Ductile Iron, Grooved 22-1/2 Degree Elbow	99.99	15.57
	<i>For Galvanized Fittings, Add</i>	18.39	
23 21 13 23-1556	EA 1-1/2", Ductile Iron, Grooved 22-1/2 Degree Elbow	104.94	18.88
	<i>For Galvanized Fittings, Add</i>	18.39	
23 21 13 23-1557	EA 2", Ductile Iron, Grooved 22-1/2 Degree Elbow	114.02	24.94
	<i>For Galvanized Fittings, Add</i>	18.39	
23 21 13 23-1558	EA 2-1/2", Ductile Iron, Grooved 22-1/2 Degree Elbow	122.17	30.44
	<i>For Galvanized Fittings, Add</i>	18.39	
23 21 13 23-1559	EA 3", Ductile Iron, Grooved 22-1/2 Degree Elbow	167.28	36.84
	<i>For Galvanized Fittings, Add</i>	26.89	
23 21 13 23-1560	EA 4", Ductile Iron, Grooved 22-1/2 Degree Elbow	223.14	48.63
	<i>For Galvanized Fittings, Add</i>	36.06	
23 21 13 23-1561	EA 5", Ductile Iron, Grooved 22-1/2 Degree Elbow	557.08	60.75
	<i>For Galvanized Fittings, Add</i>	111.84	
23 21 13 23-1562	EA 6", Ductile Iron, Grooved 22-1/2 Degree Elbow	544.88	79.52
	<i>For Galvanized Fittings, Add</i>	102.17	
23 21 13 23-1563	EA 8", Ductile Iron, Grooved 22-1/2 Degree Elbow	1,032.57	94.63
	<i>For Galvanized Fittings, Add</i>	213.76	
23 21 13 23-1564	EA 10", Steel, Grooved 22-1/2 Degree Elbow	1,388.34	110.41
	<i>For Galvanized Fittings, Add</i>	293.47	
23 21 13 23-1565	EA 12", Steel, Grooved 22-1/2 Degree Elbow	1,851.76	132.50
	<i>For Galvanized Fittings, Add</i>	396.75	
23 21 13 23-1566	EA 14", Steel, Grooved 22-1/2 Degree Elbow	2,133.65	149.55
	<i>For Galvanized Fittings, Add</i>	458.25	
23 21 13 23-1567	EA 16", Steel, Grooved 22-1/2 Degree Elbow	2,538.33	165.57
	<i>For Galvanized Fittings, Add</i>	549.61	
23 21 13 23-1568	EA 18", Steel, Grooved 22-1/2 Degree Elbow	3,044.59	180.90
	<i>For Galvanized Fittings, Add</i>	665.62	
23 21 13 23-1569	EA 20", Steel, Grooved 22-1/2 Degree Elbow	3,561.02	188.10
	<i>For Galvanized Fittings, Add</i>	786.94	
23 21 13 23-1570	EA 24", Steel, Grooved 22-1/2 Degree Elbow	4,739.55	222.44
	<i>For Galvanized Fittings, Add</i>	1,057.48	

23 21 13 23-1571 11-1/4 Degree Grooved Elbows (23 21 13 23-1514)
 Note: Victaulic No. 13

23 21 13 23-1572	EA 1", Ductile Iron, Grooved 11-1/4 Degree Elbow	95.32	12.48
	<i>For Galvanized Fittings, Add</i>	18.39	
23 21 13 23-1573	EA 1-1/4", Ductile Iron, Grooved 11-1/4 Degree Elbow	99.99	15.57
	<i>For Galvanized Fittings, Add</i>	18.39	
23 21 13 23-1574	EA 1-1/2", Ductile Iron, Grooved 11-1/4 Degree Elbow	104.94	18.88
	<i>For Galvanized Fittings, Add</i>	18.39	
23 21 13 23-1575	EA 2", Ductile Iron, Grooved 11-1/4 Degree Elbow	114.02	24.94
	<i>For Galvanized Fittings, Add</i>	18.39	
23 21 13 23-1576	EA 2-1/2", Ductile Iron, Grooved 11-1/4 Degree Elbow	122.17	30.44
	<i>For Galvanized Fittings, Add</i>	18.39	
23 21 13 23-1577	EA 3", Ductile Iron, Grooved 11-1/4 Degree Elbow	167.28	36.84
	<i>For Galvanized Fittings, Add</i>	26.89	
23 21 13 23-1578	EA 4", Ductile Iron, Grooved 11-1/4 Degree Elbow	223.13	48.63
	<i>For Galvanized Fittings, Add</i>	36.06	
23 21 13 23-1579	EA 5", Ductile Iron, Grooved 11-1/4 Degree Elbow	557.06	60.75
	<i>For Galvanized Fittings, Add</i>	111.83	
23 21 13 23-1580	EA 6", Ductile Iron, Grooved 11-1/4 Degree Elbow	544.86	79.52
	<i>For Galvanized Fittings, Add</i>	102.16	
23 21 13 23-1581	EA 8", Ductile Iron, Grooved 11-1/4 Degree Elbow	1,032.51	94.63
	<i>For Galvanized Fittings, Add</i>	213.75	
23 21 13 23-1582	EA 10", Steel, Grooved 11-1/4 Degree Elbow	1,388.27	110.41
	<i>For Galvanized Fittings, Add</i>	293.46	
23 21 13 23-1583	EA 12", Steel, Grooved 11-1/4 Degree Elbow	1,851.67	132.50
	<i>For Galvanized Fittings, Add</i>	396.72	
23 21 13 23-1584	EA 14", Steel, Grooved 11-1/4 Degree Elbow	2,133.55	149.55
	<i>For Galvanized Fittings, Add</i>	458.22	
23 21 13 23-1585	EA 16", Steel, Grooved 11-1/4 Degree Elbow	2,538.25	165.68
	<i>For Galvanized Fittings, Add</i>	549.58	
23 21 13 23-1586	EA 18", Steel, Grooved 11-1/4 Degree Elbow	3,044.40	180.90
	<i>For Galvanized Fittings, Add</i>	665.58	
23 21 13 23-1587	EA 20", Steel, Grooved 11-1/4 Degree Elbow	3,560.83	188.10
	<i>For Galvanized Fittings, Add</i>	786.90	
23 21 13 23-1588	EA 24", Steel, Grooved 11-1/4 Degree Elbow	4,739.31	222.44
	<i>For Galvanized Fittings, Add</i>	1,057.42	

23 21 13 23-1589 90 Degree Grooved Long Radius Elbows (23 21 13 23-1514)
 Note: Victaulic No. 100

23 21 13 23-1590	EA 2", Ductile Iron, Grooved 90 Degree Long Radius Elbow	201.86	24.94
	<i>For Galvanized Fittings, Add</i>	39.47	
23 21 13 23-1591	EA 2-1/2", Ductile Iron, Grooved 90 Degree Long Radius Elbow	522.75	30.44
	<i>For Galvanized Fittings, Add</i>	114.53	
23 21 13 23-1592	EA 3", Ductile Iron, Grooved 90 Degree Long Radius Elbow	219.68	36.84
	<i>For Galvanized Fittings, Add</i>	39.47	
23 21 13 23-1593	EA 4", Ductile Iron, Grooved 90 Degree Long Radius Elbow	319.24	48.63
	<i>For Galvanized Fittings, Add</i>	59.13	
23 21 13 23-1594	EA 5", Ductile Iron, Grooved 90 Degree Long Radius Elbow	1,353.83	60.75
	<i>For Galvanized Fittings, Add</i>	303.06	
23 21 13 23-1595	EA 6", Ductile Iron, Grooved 90 Degree Long Radius Elbow	839.88	79.52
	<i>For Galvanized Fittings, Add</i>	172.97	
23 21 13 23-1596	EA 8", Ductile Iron, Grooved, 90 Degree Long Radius Elbow	1,870.59	94.63
	<i>For Galvanized Fittings, Add</i>	414.89	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1597	EA	10", Ductile Iron, Grooved 90 Degree Long Radius Elbow	3,749.85	110.41
		For Galvanized Fittings, Add	860.23	
23 21 13 23-1598	EA	12", Ductile Iron, Grooved 90 Degree Long Radius Elbow	4,472.94	132.50
		For Galvanized Fittings, Add	1,025.83	
23 21 13 23-1599		Grooved Tees, Wyes And Crosses (23 21 13 23-1513)		
23 21 13 23-1600		Grooved Tees (23 21 13 23-1599)		
		Note: Victaulic No. 20		
23 21 13 23-1601	EA	3/4", Ductile Iron, Grooved Tee	134.52	16.36
		For Galvanized Fittings, Add	32.98	
23 21 13 23-1602	EA	1", Ductile Iron, Grooved Tee	138.24	18.88
		For Galvanized Fittings, Add	32.98	
23 21 13 23-1603	EA	1-1/4", Ductile Iron, Grooved Tee	144.55	23.12
		For Galvanized Fittings, Add	32.98	
23 21 13 23-1604	EA	1-1/2", Ductile Iron, Grooved Tee	152.41	28.37
		For Galvanized Fittings, Add	32.98	
23 21 13 23-1605	EA	2", Ductile Iron, Grooved Tee	164.91	36.73
		For Galvanized Fittings, Add	32.98	
23 21 13 23-1606	EA	2-1/2", Ductile Iron, Grooved Tee	177.40	44.97
		For Galvanized Fittings, Add	32.98	
23 21 13 23-1607	EA	3", Ductile Iron, Grooved Tee	236.79	55.27
		For Galvanized Fittings, Add	46.19	
23 21 13 23-1608	EA	4", Ductile Iron, Grooved Tee	343.37	71.52
		For Galvanized Fittings, Add	70.86	
23 21 13 23-1609	EA	5", Ductile Iron, Grooved Tee	694.32	93.48
		For Galvanized Fittings, Add	166.25	
23 21 13 23-1610	EA	6", Ductile Iron, Grooved Tee	815.74	116.94
		For Galvanized Fittings, Add	192.14	
23 21 13 23-1611	EA	8", Ductile Iron, Grooved Tee	1,611.85	142.00
		For Galvanized Fittings, Add	419.71	
23 21 13 23-1612	EA	10", Ductile Iron, Grooved Tee	2,746.56	165.57
		For Galvanized Fittings, Add	749.48	
23 21 13 23-1613	EA	12", Ductile Iron, Grooved Tee	3,795.52	198.75
		For Galvanized Fittings, Add	1,049.27	
23 21 13 23-1614	EA	14", Steel, Grooved Tee	4,146.59	220.84
		For Galvanized Fittings, Add	1,144.65	
23 21 13 23-1615	EA	16", Steel, Grooved Tee	5,193.20	222.09
		For Galvanized Fittings, Add	1,458.07	
23 21 13 23-1616	EA	18", Steel, Grooved Tee	6,453.90	244.97
		For Galvanized Fittings, Add	1,825.99	
23 21 13 23-1617	EA	20", Steel, Grooved Tee	9,094.20	248.87
		For Galvanized Fittings, Add	2,616.35	
23 21 13 23-1618	EA	24", Steel, Grooved Tee	13,858.11	305.74
		For Galvanized Fittings, Add	4,019.91	
23 21 13 23-1619		Grooved Wyes (90 Degree True Wye) (23 21 13 23-1599)		
		Note: Victaulic No. 33		
23 21 13 23-1620	EA	1", Steel, Grooved Wye	492.12	18.88
		For Galvanized Fittings, Add	74.21	
23 21 13 23-1621	EA	1-1/4", Steel, Grooved Wye	498.43	23.12
		For Galvanized Fittings, Add	74.21	
23 21 13 23-1622	EA	1-1/2", Steel, Grooved Wye	506.29	28.37
		For Galvanized Fittings, Add	74.21	
23 21 13 23-1623	EA	2", Steel, Grooved Wye	518.79	36.73
		For Galvanized Fittings, Add	74.21	
23 21 13 23-1624	EA	2-1/2", Steel, Grooved Wye	531.28	44.97
		For Galvanized Fittings, Add	74.21	
23 21 13 23-1625	EA	3", Steel, Grooved Wye	637.21	55.27
		For Galvanized Fittings, Add	88.70	
23 21 13 23-1626	EA	4", Steel, Grooved Wye	833.33	71.52
		For Galvanized Fittings, Add	116.19	
23 21 13 23-1627	EA	5", Steel, Grooved Wye	1,181.01	93.48
		For Galvanized Fittings, Add	166.54	
23 21 13 23-1628	EA	6", Steel, Grooved Wye	1,463.10	116.94
		For Galvanized Fittings, Add	206.05	
23 21 13 23-1629	EA	8", Steel, Grooved Wye	2,067.65	142.00
		For Galvanized Fittings, Add	296.77	
23 21 13 23-1630	EA	10", Steel, Grooved Wye	3,449.70	165.57
		For Galvanized Fittings, Add	512.22	
23 21 13 23-1631	EA	12", Steel, Grooved Wye	3,834.76	198.75
		For Galvanized Fittings, Add	565.89	
23 21 13 23-1632	EA	14", Steel, Grooved Wye	4,369.70	220.84
		For Galvanized Fittings, Add	646.18	
23 21 13 23-1633	EA	16", Steel, Grooved Wye	5,578.27	221.86
		For Galvanized Fittings, Add	839.30	
23 21 13 23-1634	EA	18", Steel, Grooved Wye	6,368.08	245.20
		For Galvanized Fittings, Add	960.06	
23 21 13 23-1635	EA	20", Steel, Grooved Wye	9,075.08	248.40
		For Galvanized Fittings, Add	1,392.42	
23 21 13 23-1636	EA	24", Steel, Grooved Wye	13,988.57	305.74
		For Galvanized Fittings, Add	2,164.82	
23 21 13 23-1637		Grooved Crosses (23 21 13 23-1599)		
		Note: Victaulic No. 35		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 21 13 23-1638	EA	3/4", Steel, Grooved Cross	337.17	24.60
		For Galvanized Fittings, Add	45.04	
23 21 13 23-1639	EA	1", Steel, Grooved Cross	342.76	28.37
		For Galvanized Fittings, Add	45.04	
23 21 13 23-1640	EA	1-1/4", Steel, Grooved Cross	414.34	34.67
		For Galvanized Fittings, Add	54.36	
23 21 13 23-1641	EA	1-1/2", Steel, Grooved Cross	454.24	42.56
		For Galvanized Fittings, Add	58.58	
23 21 13 23-1642	EA	2", Steel, Grooved Cross	303.17	55.04
		For Galvanized Fittings, Add	33.10	
23 21 13 23-1643	EA	2-1/2", Steel, Grooved Cross	321.91	67.51
		For Galvanized Fittings, Add	33.10	
23 21 13 23-1644	EA	3", Steel, Grooved Cross	520.80	82.85
		For Galvanized Fittings, Add	59.49	
23 21 13 23-1645	EA	4", Steel, Grooved Cross	820.91	107.21
		For Galvanized Fittings, Add	99.02	
23 21 13 23-1646	EA	5", Steel, Grooved Cross	1,558.85	140.17
		For Galvanized Fittings, Add	202.29	
23 21 13 23-1647	EA	6", Steel, Grooved Cross	1,998.06	175.41
		For Galvanized Fittings, Add	260.27	
23 21 13 23-1648	EA	8", Steel, Grooved Cross	2,604.45	212.93
		For Galvanized Fittings, Add	342.78	
23 21 13 23-1649	EA	10", Steel, Grooved Cross	4,269.97	248.40
		For Galvanized Fittings, Add	584.63	
23 21 13 23-1650	EA	12", Steel, Grooved Cross	6,071.38	298.18
		For Galvanized Fittings, Add	843.66	
23 21 13 23-1651	EA	14", Steel, Grooved Cross	6,323.81	331.25
		For Galvanized Fittings, Add	874.08	
23 21 13 23-1652	EA	16", Steel, Grooved Cross	8,122.38	333.19
		For Galvanized Fittings, Add	1,143.44	
23 21 13 23-1653	EA	18", Steel, Grooved Cross	9,894.71	367.41
		For Galvanized Fittings, Add	1,401.58	
23 21 13 23-1654	EA	20", Steel, Grooved Cross	13,797.09	373.13
		For Galvanized Fittings, Add	1,985.64	
23 21 13 23-1655	EA	24", Steel, Grooved Cross	21,123.59	458.60
		For Galvanized Fittings, Add	3,065.40	

23 21 13 23-1656 Grooved Reducing Tees (23 21 13 23-1599)

Note: Victaulic No. 25

23 21 13 23-1657	EA	1", Steel, Grooved Reducing Tee	240.42	18.88
		For Galvanized Fittings, Add	42.42	
23 21 13 23-1658	EA	1-1/4", Steel, Grooved Reducing Tee	253.39	23.12
		For Galvanized Fittings, Add	43.75	
23 21 13 23-1659	EA	1-1/2", Steel, Grooved Reducing Tee	266.70	28.37
		For Galvanized Fittings, Add	44.84	
23 21 13 23-1660	EA	2", Steel, Grooved Reducing Tee	317.47	36.73
		For Galvanized Fittings, Add	52.50	
23 21 13 23-1661	EA	2-1/2", Steel, Grooved Reducing Tee	356.97	44.97
		For Galvanized Fittings, Add	57.90	
23 21 13 23-1662	EA	3", Steel, Grooved Reducing Tee	399.68	55.27
		For Galvanized Fittings, Add	63.37	
23 21 13 23-1663	EA	4", Steel, Grooved Reducing Tee	534.51	71.52
		For Galvanized Fittings, Add	85.47	
23 21 13 23-1664	EA	5", Steel, Grooved Reducing Tee	704.43	93.48
		For Galvanized Fittings, Add	112.85	
23 21 13 23-1665	EA	6", Steel, Grooved Reducing Tee	969.07	116.94
		For Galvanized Fittings, Add	158.76	
23 21 13 23-1666	EA	8", Steel, Grooved Reducing Tee	1,522.58	142.00
		For Galvanized Fittings, Add	261.95	
23 21 13 23-1667	EA	10", Steel, Grooved Reducing Tee	2,179.15	165.57
		For Galvanized Fittings, Add	386.17	
23 21 13 23-1668	EA	12", Steel, Grooved Reducing Tee	3,146.27	198.75
		For Galvanized Fittings, Add	569.66	
23 21 13 23-1669	EA	14", Steel, Grooved Reducing Tee	3,566.14	220.84
		For Galvanized Fittings, Add	647.01	
23 21 13 23-1670	EA	16", Steel, Grooved Reducing Tee	4,535.27	222.09
		For Galvanized Fittings, Add	840.45	
23 21 13 23-1671	EA	18", Steel, Grooved Reducing Tee	5,511.83	244.97
		For Galvanized Fittings, Add	1,028.93	
23 21 13 23-1672	EA	20", Steel, Grooved Reducing Tee	7,730.69	248.75
		For Galvanized Fittings, Add	1,471.55	
23 21 13 23-1673	EA	24", Steel, Grooved Reducing Tee	12,310.23	305.74
		For Galvanized Fittings, Add	2,370.36	

23 21 13 23-1674 Grooved 45 Degree Lateral Wyes (23 21 13 23-1599)

Note: Victaulic No. 30

23 21 13 23-1675	EA	3/4", Steel, Grooved, 45 Degree Lateral Wye	463.82	16.36
		For Galvanized Fittings, Add	79.06	
23 21 13 23-1676	EA	1", Steel, Grooved, 45 Degree Lateral Wye	467.54	18.88
		For Galvanized Fittings, Add	79.06	
23 21 13 23-1677	EA	1-1/4", Steel, Grooved, 45 Degree Lateral Wye	473.85	23.12
		For Galvanized Fittings, Add	79.06	
23 21 13 23-1678	EA	1-1/2", Steel, Grooved, 45 Degree Lateral Wye	481.71	28.37
		For Galvanized Fittings, Add	79.06	
23 21 13 23-1679	EA	2", Steel, Grooved, 45 Degree Lateral Wye	494.21	36.73
		For Galvanized Fittings, Add	79.06	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1680	EA		2-1/2", Steel, Grooved, 45 Degree Lateral Wye.....	506.70	44.97
			For Galvanized Fittings, Add	79.06	
23 21 13 23-1681	EA		3", Steel, Grooved, 45 Degree Lateral Wye.....	462.26	55.27
			For Galvanized Fittings, Add	68.30	
23 21 13 23-1682	EA		3-1/2", Steel, Grooved, 45 Degree Lateral Wye.....	738.35	63.73
			For Galvanized Fittings, Add	115.72	
23 21 13 23-1683	EA		4", Steel, Grooved, 45 Degree Lateral Wye.....	855.49	71.52
			For Galvanized Fittings, Add	134.70	
23 21 13 23-1684	EA		5", Steel, Grooved, 45 Degree Lateral Wye.....	1,233.80	93.48
			For Galvanized Fittings, Add	196.86	
23 21 13 23-1685	EA		6", Steel, Grooved, 45 Degree Lateral Wye.....	1,937.33	116.94
			For Galvanized Fittings, Add	317.17	
23 21 13 23-1686	EA		8", Steel, Grooved, 45 Degree Lateral Wye.....	2,750.83	142.00
			For Galvanized Fittings, Add	456.64	
23 21 13 23-1687	EA		10", Steel, Grooved, 45 Degree Lateral Wye.....	3,830.64	165.57
			For Galvanized Fittings, Add	644.82	
23 21 13 23-1688	EA		12", Steel, Grooved, 45 Degree Lateral Wye.....	4,629.17	198.75
			For Galvanized Fittings, Add	779.62	
23 21 13 23-1689	EA		14", Steel, Grooved, 45 Degree Lateral Wye.....	6,652.75	220.84
			For Galvanized Fittings, Add	1,137.90	
23 21 13 23-1690	EA		16", Steel, Grooved, 45 Degree Lateral Wye.....	8,230.46	222.09
			For Galvanized Fittings, Add	1,421.54	
23 21 13 23-1691	EA		18", Steel, Grooved, 45 Degree Lateral Wye.....	9,195.61	244.97
			For Galvanized Fittings, Add	1,589.11	
23 21 13 23-1692	EA		20", Steel, Grooved, 45 Degree Lateral Wye.....	13,764.16	248.75
			For Galvanized Fittings, Add	2,410.42	
23 21 13 23-1693	EA		24", Steel, Grooved, 45 Degree Lateral Wye.....	21,267.38	305.74
			For Galvanized Fittings, Add	3,745.61	
23 21 13 23-1694 Grooved 45 Degree Lateral Reducing Wyes (23 21 13 23-1599)					
Note: Victaulic No. 30R					
23 21 13 23-1695	EA		3", Steel, Grooved 45 Degree Lateral Reducing Wye.....	462.26	55.27
			For Galvanized Fittings, Add	49.33	
23 21 13 23-1696	EA		4", Steel, Grooved 45 Degree Lateral Reducing Wye.....	855.49	71.52
			For Galvanized Fittings, Add	97.28	
23 21 13 23-1697	EA		5", Steel, Grooved 45 Degree Lateral Reducing Wye.....	1,233.80	93.48
			For Galvanized Fittings, Add	142.17	
23 21 13 23-1698	EA		6", Steel, Grooved 45 Degree Lateral Reducing Wye.....	1,588.27	116.94
			For Galvanized Fittings, Add	183.69	
23 21 13 23-1699	EA		8", Steel, Grooved 45 Degree Lateral Reducing Wye.....	2,252.61	142.00
			For Galvanized Fittings, Add	265.17	
23 21 13 23-1700	EA		10", Steel, Grooved 45 Degree Lateral Reducing Wye.....	2,746.46	165.57
			For Galvanized Fittings, Add	324.76	
23 21 13 23-1701	EA		12", Steel, Grooved 45 Degree Lateral Reducing Wye.....	3,333.84	198.75
			For Galvanized Fittings, Add	394.66	
23 21 13 23-1702	EA		14", Steel, Grooved 45 Degree Lateral Reducing Wye.....	3,732.02	220.84
			For Galvanized Fittings, Add	442.12	
23 21 13 23-1703	EA		16", Steel, Grooved 45 Degree Lateral Reducing Wye.....	4,729.02	222.09
			For Galvanized Fittings, Add	571.48	
23 21 13 23-1704	EA		18", Steel, Grooved 45 Degree Lateral Reducing Wye.....	7,117.30	244.97
			For Galvanized Fittings, Add	877.51	
23 21 13 23-1705	EA		20", Steel, Grooved 45 Degree Lateral Reducing Wye.....	10,253.32	248.75
			For Galvanized Fittings, Add	1,284.45	
23 21 13 23-1706	EA		24", Steel, Grooved 45 Degree Lateral Reducing Wye.....	16,455.12	305.74
			For Galvanized Fittings, Add	2,079.57	
23 21 13 23-1707 Mechanical-T Outlet (23 21 13 23-1599)					
Note: Includes making opening in pipe. Grooved or treaded branch outlets. Victaulic Styles 920 or 921.					
23 21 13 23-1708	EA		2" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet.....	155.42	41.19
			For Galvanized Fittings, Add	18.11	
23 21 13 23-1709	EA		2" x 1" Mechanical-T Outlet With Threaded Branch Outlet.....	155.42	41.19
			For Galvanized Fittings, Add	18.11	
23 21 13 23-1710	EA		2" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet.....	166.82	41.19
			For Galvanized Fittings, Add	20.94	
23 21 13 23-1711	EA		2" x 1-1/2" Mechanical-T Outlet With Threaded Branch Outlet.....	166.82	41.19
23 21 13 23-1712	EA		2-1/2" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet.....	165.72	46.34
23 21 13 23-1713	EA		2-1/2" x 1" Mechanical-T Outlet With Threaded Branch Outlet.....	165.72	46.34
23 21 13 23-1714	EA		2-1/2" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet.....	195.83	46.34
23 21 13 23-1715	EA		3" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet.....	187.09	51.49
23 21 13 23-1716	EA		3" x 1" Mechanical-T Outlet With Threaded Branch Outlet.....	187.09	51.49
23 21 13 23-1717	EA		3" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet.....	211.33	51.49
23 21 13 23-1718	EA		3" x 1-1/2" Mechanical-T Outlet With Threaded Branch Outlet.....	211.33	51.49
23 21 13 23-1719	EA		3" x 2" Mechanical-T Outlet With Threaded Branch Outlet.....	227.93	51.49
23 21 13 23-1720	EA		4" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet.....	244.55	68.65
23 21 13 23-1721	EA		4" x 1" Mechanical-T Outlet With Threaded Branch Outlet.....	244.55	68.65
23 21 13 23-1722	EA		4" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet.....	263.48	68.65
23 21 13 23-1723	EA		4" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	268.79	68.65
23 21 13 23-1724	EA		4" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	268.79	68.65
23 21 13 23-1725	EA		4" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	274.10	68.65
23 21 13 23-1726	EA		4" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	284.28	68.65
23 21 13 23-1727	EA		5" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	350.27	94.39
23 21 13 23-1728	EA		5" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	350.27	94.39
23 21 13 23-1729	EA		5" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	359.46	94.39
23 21 13 23-1730	EA		5" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	370.97	94.39
23 21 13 23-1731	EA		6" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	405.51	120.14
23 21 13 23-1732	EA		6" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	405.51	120.14

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
23 21 13 23-1733	EA 6" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	419.02		120.14	
23 21 13 23-1734	EA 6" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	430.41		120.14	
23 21 13 23-1735	EA 6" x 4" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	450.67		120.14	
23 21 13 23-1736	EA 8" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	610.49		159.04	
23 21 13 23-1737	EA 8" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	610.49		159.04	
23 21 13 23-1738	EA 8" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	626.75		159.04	
23 21 13 23-1739	EA 8" x 4" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	636.38		159.04	
23 21 13 23-1740 Installation-Ready™ Grooved Fittings (23 21 13 23-1513)					
23 21 13 23-1741 Installation-Ready™ 90 Degree Grooved Elbows (23 21 13 23-1740)					
Note: Victaulic No. 101					
23 21 13 23-1742	EA 1-1/4" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow	272.10		11.33	
	For Galvanized Fittings, Add	84.13			
	For Galvanized Fittings, Add	65.26			
23 21 13 23-1743	EA 1-1/2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow	283.03		13.59	
	For Galvanized Fittings, Add	86.60			
	For Galvanized Fittings, Add	67.18			
23 21 13 23-1744	EA 2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow	291.77		18.12	
	For Galvanized Fittings, Add	87.22			
	For Galvanized Fittings, Add	67.66			
23 21 13 23-1745	EA 2-1/2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow	352.99		22.65	
	For Galvanized Fittings, Add	105.16			
	For Galvanized Fittings, Add	81.58			
23 21 13 23-1746 Installation-Ready™ 45 Degree Grooved Elbows (23 21 13 23-1740)					
Note: Victaulic No. 103					
23 21 13 23-1747	EA 1-1/4" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow	272.10		11.33	
	For Galvanized Fittings, Add	65.26			
	For Galvanized Fittings, Add	61.18			
23 21 13 23-1748	EA 1-1/2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow	283.03		13.59	
	For Galvanized Fittings, Add	67.18			
	For Galvanized Fittings, Add	62.98			
23 21 13 23-1749	EA 2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow	291.77		18.12	
	For Galvanized Fittings, Add	67.66			
	For Galvanized Fittings, Add	63.43			
23 21 13 23-1750	EA 2-1/2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow	352.99		22.65	
	For Galvanized Fittings, Add	81.58			
	For Galvanized Fittings, Add	76.48			
23 21 13 23-1751 Installation-Ready™ Grooved Tees (23 21 13 23-1740)					
Note: Victaulic No. 102					
23 21 13 23-1752	EA 1-1/4" Ductile Iron, Grooved, Installation-Ready™ Tee	416.54		15.10	
	For Galvanized Fittings, Add	118.10			
	For Galvanized Fittings, Add	100.77			
23 21 13 23-1753	EA 1-1/2" Ductile Iron, Grooved, Installation-Ready™ Tee	434.23		18.12	
	For Galvanized Fittings, Add	122.03			
	For Galvanized Fittings, Add	104.13			
23 21 13 23-1754	EA 2" Ductile Iron, Grooved, Installation-Ready™ Tee	449.00		24.16	
	For Galvanized Fittings, Add	123.72			
	For Galvanized Fittings, Add	105.57			
23 21 13 23-1755	EA 2-1/2" Ductile Iron, Grooved, Installation-Ready™ Tee	521.90		30.21	
	For Galvanized Fittings, Add	142.84			
	For Galvanized Fittings, Add	121.89			
23 21 13 23-1756 Grooved Fittings (23 21 13 23-1513)					
23 21 13 23-1757 Flanged Adapter Nipple, Grooved (23 21 13 23-1756)					
Note: Victaulic No. 41 and 45					
23 21 13 23-1758	EA 1" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	329.70		13.73	
	For 300 Lb. Rating, Add	46.37			
	For Galvanized Fittings, Add	55.64			
23 21 13 23-1759	EA 1-1/4" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	331.99		15.21	
	For 300 Lb. Rating, Add	46.37			
	For Galvanized Fittings, Add	55.64			
23 21 13 23-1760	EA 1-1/2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	337.71		19.11	
	For 300 Lb. Rating, Add	46.37			
	For Galvanized Fittings, Add	55.64			
23 21 13 23-1761	EA 2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	349.75		27.11	
	For 300 Lb. Rating, Add	46.37			
	For Galvanized Fittings, Add	55.64			
23 21 13 23-1762	EA 2-1/2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	358.35		32.83	
	For 300 Lb. Rating, Add	46.37			
	For Galvanized Fittings, Add	55.64			
23 21 13 23-1763	EA 3" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	454.29		39.25	
	For 300 Lb. Rating, Add	59.33			
	For Galvanized Fittings, Add	71.19			
23 21 13 23-1764	EA 4" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	550.91		52.86	
	For 300 Lb. Rating, Add	70.75			
	For Galvanized Fittings, Add	84.90			
23 21 13 23-1765	EA 5" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	769.91		63.96	
	For 300 Lb. Rating, Add	101.10			
	For Galvanized Fittings, Add	121.32			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1766	EA		6" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150..... For 300 Lb. Rating, Add For Galvanized Fittings, Add	898.57 115.35 138.42	86.39
23 21 13 23-1767	EA		8" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150..... For 300 Lb. Rating, Add For Galvanized Fittings, Add	1,236.78 159.23 191.07	116.94
23 21 13 23-1768	EA		10" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150..... For 300 Lb. Rating, Add For Galvanized Fittings, Add	1,945.05 259.83 311.80	142.00
23 21 13 23-1769	EA		12" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150..... For 300 Lb. Rating, Add For Galvanized Fittings, Add	2,616.79 355.27 426.33	165.57
23 21 13 23-1770	EA		14" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150..... For 300 Lb. Rating, Add For Galvanized Fittings, Add	3,091.05 418.96 502.75	198.75
23 21 13 23-1771	EA		16" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150..... For 300 Lb. Rating, Add For Galvanized Fittings, Add	4,632.47 645.21 774.25	220.84
23 21 13 23-1772	EA		18" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150..... For 300 Lb. Rating, Add For Galvanized Fittings, Add	5,548.96 757.85 909.42	331.25
23 21 13 23-1773	EA		20" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150..... For 300 Lb. Rating, Add For Galvanized Fittings, Add	5,862.12 789.93 947.91	397.50
23 21 13 23-1774	EA		24" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150..... For 300 Lb. Rating, Add For Galvanized Fittings, Add	9,746.97 1,362.72 1,635.27	441.66
23 21 13 23-1775 Grooved Concentric Reducers (23 21 13 23-1756)					
Note: Victaulic No. 50					
23 21 13 23-1776	EA		1-1/4" x 3/4", Grooved Concentric Reducer..... For Galvanized Fittings, Add	350.29 14.51	13.73
23 21 13 23-1777	EA		1-1/4" x 1", Grooved Concentric Reducer..... For Galvanized Fittings, Add	366.29 15.16	14.53
23 21 13 23-1778	EA		1-1/2" x 3/4", Grooved Concentric Reducer..... For Galvanized Fittings, Add	412.59 46.77	15.68
23 21 13 23-1779	EA		1-1/2" x 1", Grooved Concentric Reducer..... For Galvanized Fittings, Add	107.93 10.02	16.36
23 21 13 23-1780	EA		1-1/2" x 1-1/4", Grooved Concentric Reducer..... For Galvanized Fittings, Add	348.28 38.77	17.17
23 21 13 23-1781	EA		2" x 3/4", Grooved Concentric Reducer..... For Galvanized Fittings, Add	111.36 10.02	18.65
23 21 13 23-1782	EA		2" x 1", Grooved Concentric Reducer..... For Galvanized Fittings, Add	112.51 10.02	19.45
23 21 13 23-1783	EA		2" x 1-1/4", Grooved Concentric Reducer..... For Galvanized Fittings, Add	122.02 11.02	20.25
23 21 13 23-1784	EA		2" x 1-1/2", Grooved Concentric Reducer..... For Galvanized Fittings, Add	117.15 10.02	22.54
23 21 13 23-1785	EA		2-1/2" x 3/4", Grooved Concentric Reducer..... For Galvanized Fittings, Add	709.77 81.52	21.05
23 21 13 23-1786	EA		2-1/2" x 1", Grooved Concentric Reducer..... For Galvanized Fittings, Add	564.71 63.95	21.86
23 21 13 23-1787	EA		2-1/2" x 1-1/4", Grooved Concentric Reducer..... For Galvanized Fittings, Add	515.42 57.89	22.54
23 21 13 23-1788	EA		2-1/2" x 1-1/2", Grooved Concentric Reducer..... For Galvanized Fittings, Add	120.51 10.02	24.83
23 21 13 23-1789	EA		2-1/2" x 2", Grooved Concentric Reducer..... For Galvanized Fittings, Add	125.08 10.02	27.80
23 21 13 23-1790	EA		3" x 3/4", Grooved Concentric Reducer..... For Galvanized Fittings, Add	719.27 103.76	24.49
23 21 13 23-1791	EA		3" x 1", Grooved Concentric Reducer..... For Galvanized Fittings, Add	129.74 13.99	25.17
23 21 13 23-1792	EA		3" x 1-1/4", Grooved Concentric Reducer..... For Galvanized Fittings, Add	567.58 80.36	25.98
23 21 13 23-1793	EA		3" x 1-1/2", Grooved Concentric Reducer..... For Galvanized Fittings, Add	533.04 74.68	27.80
23 21 13 23-1794	EA		3" x 2", Grooved Concentric Reducer..... For Galvanized Fittings, Add	119.43 11.11	30.89
23 21 13 23-1795	EA		3" x 2-1/2", Grooved Concentric Reducer..... For Galvanized Fittings, Add	155.94 15.31	36.84
23 21 13 23-1796	EA		3-1/2" x 3", Grooved Concentric Reducer..... For Galvanized Fittings, Add	166.83 16.31	39.70
23 21 13 23-1797	EA		4" x 1", Grooved Concentric Reducer..... For Galvanized Fittings, Add	157.55 18.97	31.23
23 21 13 23-1798	EA		4" x 1-1/4", Grooved Concentric Reducer..... For Galvanized Fittings, Add	922.64 149.99	32.04
23 21 13 23-1799	EA		4" x 1-1/2", Grooved Concentric Reducer..... For Galvanized Fittings, Add	719.56 114.67	33.98
23 21 13 23-1800	EA		4" x 2", Grooved Concentric Reducer..... For Galvanized Fittings, Add	152.81 16.69	37.07
23 21 13 23-1801	EA		4" x 2-1/2", Grooved Concentric Reducer..... For Galvanized Fittings, Add	181.48 20.92	39.70
23 21 13 23-1802	EA		4" x 3", Grooved Concentric Reducer..... For Galvanized Fittings, Add	186.05 20.92	42.79
23 21 13 23-1803	EA		4" x 3-1/2", Grooved Concentric Reducer..... For Galvanized Fittings, Add	190.64 20.92	45.77
23 21 13 23-1804	EA		5" x 2", Grooved Concentric Reducer..... For Galvanized Fittings, Add	1,295.46 211.08	43.13

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 21 13 23-1805	EA	5" x 2-1/2", Grooved Concentric Reducer	1,023.61	45.77
		<i>For Galvanized Fittings, Add</i>	163.77	
23 21 13 23-1806	EA	5" x 3", Grooved Concentric Reducer	216.00	48.85
		<i>For Galvanized Fittings, Add</i>	24.49	
23 21 13 23-1807	EA	5" x 4", Grooved Concentric Reducer	252.90	54.92
		<i>For Galvanized Fittings, Add</i>	29.24	
23 21 13 23-1808	EA	6" x 1", Grooved Concentric Reducer	296.57	46.57
		<i>For Galvanized Fittings, Add</i>	42.31	
23 21 13 23-1809	EA	6" x 1-1/2", Grooved Concentric Reducer	1,367.90	49.21
		<i>For Galvanized Fittings, Add</i>	241.48	
23 21 13 23-1810	EA	6" x 2", Grooved Concentric Reducer	305.13	52.29
		<i>For Galvanized Fittings, Add</i>	42.31	
23 21 13 23-1811	EA	6" x 2-1/2", Grooved Concentric Reducer	1,383.86	54.92
		<i>For Galvanized Fittings, Add</i>	242.85	
23 21 13 23-1812	EA	6" x 3", Grooved Concentric Reducer	313.73	58.02
		<i>For Galvanized Fittings, Add</i>	42.31	
23 21 13 23-1813	EA	6" x 4", Grooved Concentric Reducer	293.60	64.08
		<i>For Galvanized Fittings, Add</i>	36.85	
23 21 13 23-1814	EA	6" x 5", Grooved Concentric Reducer	397.43	70.26
		<i>For Galvanized Fittings, Add</i>	54.52	
23 21 13 23-1815	EA	8" x 3", Grooved Concentric Reducer	503.60	65.68
		<i>For Galvanized Fittings, Add</i>	75.61	
23 21 13 23-1816	EA	8" x 4", Grooved Concentric Reducer	512.73	71.74
		<i>For Galvanized Fittings, Add</i>	75.61	
23 21 13 23-1817	EA	8" x 5", Grooved Concentric Reducer	521.91	77.81
		<i>For Galvanized Fittings, Add</i>	75.61	
23 21 13 23-1818	EA	8" x 6", Grooved Concentric Reducer	647.15	86.96
		<i>For Galvanized Fittings, Add</i>	96.42	
23 21 13 23-1819	EA	10" x 4", Grooved Concentric Reducer	1,084.33	79.75
		<i>For Galvanized Fittings, Add</i>	180.02	
23 21 13 23-1820	EA	10" x 5", Grooved Concentric Reducer	2,255.37	85.82
		<i>For Galvanized Fittings, Add</i>	396.83	
23 21 13 23-1821	EA	10" x 6", Grooved Concentric Reducer	1,197.46	94.97
		<i>For Galvanized Fittings, Add</i>	196.86	
23 21 13 23-1822	EA	10" x 8", Grooved Concentric Reducer	1,208.88	102.64
		<i>For Galvanized Fittings, Add</i>	196.86	
23 21 13 23-1823	EA	12" x 4", Grooved Concentric Reducer	3,329.79	90.85
		<i>For Galvanized Fittings, Add</i>	479.05	
23 21 13 23-1824	EA	12" x 6", Grooved Concentric Reducer	1,417.32	106.06
		<i>For Galvanized Fittings, Add</i>	188.75	
23 21 13 23-1825	EA	12" x 8", Grooved Concentric Reducer	2,060.65	113.74
		<i>For Galvanized Fittings, Add</i>	283.53	
23 21 13 23-1826	EA	12" x 10", Grooved Concentric Reducer	2,072.73	121.74
		<i>For Galvanized Fittings, Add</i>	283.53	
23 21 13 23-1827	EA	14" x 6", Grooved Concentric Reducer	6,584.76	114.31
		<i>For Galvanized Fittings, Add</i>	196.89	
23 21 13 23-1828	EA	14" x 8", Grooved Concentric Reducer	3,947.30	121.97
		<i>For Galvanized Fittings, Add</i>	115.57	
23 21 13 23-1829	EA	14" x 10", Grooved Concentric Reducer	3,373.31	129.99
		<i>For Galvanized Fittings, Add</i>	97.58	
23 21 13 23-1830	EA	14" x 12", Grooved Concentric Reducer	3,389.87	140.96
		<i>For Galvanized Fittings, Add</i>	97.58	
23 21 13 23-1831	EA	16" x 8", Grooved Concentric Reducer	5,995.12	130.10
		<i>For Galvanized Fittings, Add</i>	178.06	
23 21 13 23-1832	EA	16" x 10", Grooved Concentric Reducer	5,569.56	138.10
		<i>For Galvanized Fittings, Add</i>	164.63	
23 21 13 23-1833	EA	16" x 12", Grooved Concentric Reducer	5,157.22	149.21
		<i>For Galvanized Fittings, Add</i>	151.46	
23 21 13 23-1834	EA	16" x 14", Grooved Concentric Reducer	5,169.58	157.44
		<i>For Galvanized Fittings, Add</i>	151.46	
23 21 13 23-1835	EA	18" x 10", Grooved Concentric Reducer	7,790.71	145.77
		<i>For Galvanized Fittings, Add</i>	232.47	
23 21 13 23-1836	EA	18" x 12", Grooved Concentric Reducer	7,062.53	156.76
		<i>For Galvanized Fittings, Add</i>	209.60	
23 21 13 23-1837	EA	18" x 14", Grooved Concentric Reducer	6,428.33	165.00
		<i>For Galvanized Fittings, Add</i>	189.75	
23 21 13 23-1838	EA	18" x 16", Grooved Concentric Reducer	6,440.69	173.34
		<i>For Galvanized Fittings, Add</i>	189.75	
23 21 13 23-1839	EA	20" x 10", Grooved Concentric Reducer	8,571.21	149.55
		<i>For Galvanized Fittings, Add</i>	256.25	
23 21 13 23-1840	EA	20" x 12", Grooved Concentric Reducer	7,357.23	160.65
		<i>For Galvanized Fittings, Add</i>	218.48	
23 21 13 23-1841	EA	20" x 14", Grooved Concentric Reducer	7,369.60	168.88
		<i>For Galvanized Fittings, Add</i>	218.48	
23 21 13 23-1842	EA	20" x 16", Grooved Concentric Reducer	6,578.87	177.01
		<i>For Galvanized Fittings, Add</i>	193.83	
23 21 13 23-1843	EA	20" x 18", Grooved Concentric Reducer	7,009.51	184.68
		<i>For Galvanized Fittings, Add</i>	206.69	
23 21 13 23-1844	EA	24" x 10", Grooved Concentric Reducer	18,849.59	166.36
		<i>For Galvanized Fittings, Add</i>	571.03	
23 21 13 23-1845	EA	24" x 12", Grooved Concentric Reducer	18,417.07	177.47
		<i>For Galvanized Fittings, Add</i>	557.23	
23 21 13 23-1846	EA	24" x 14", Grooved Concentric Reducer	16,059.21	185.59
		<i>For Galvanized Fittings, Add</i>	484.48	
23 21 13 23-1847	EA	24" x 16", Grooved Concentric Reducer	16,071.65	193.94
		<i>For Galvanized Fittings, Add</i>	484.48	
23 21 13 23-1848	EA	24" x 18", Grooved Concentric Reducer	13,771.99	201.49
		<i>For Galvanized Fittings, Add</i>	413.53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1849	EA		24" x 20", Grooved Concentric Reducer	12,584.68	205.38
			For Galvanized Fittings, Add	376.90	
23 21 13 23-1850 Grooved Eccentric Reducers (23 21 13 23-1756)					
Note: Victaulic No. 51					
23 21 13 23-1851	EA		1-1/2" x 3/4", Grooved Eccentric Reducer	426.02	15.68
			For Galvanized Fittings, Add	48.39	
23 21 13 23-1852	EA		1-1/2" x 1", Grooved Eccentric Reducer	387.97	16.36
			For Galvanized Fittings, Add	43.68	
23 21 13 23-1853	EA		1-1/2" x 1-1/4", Grooved Eccentric Reducer	381.20	17.17
			For Galvanized Fittings, Add	42.73	
23 21 13 23-1854	EA		2" x 3/4", Grooved Eccentric Reducer	810.26	18.65
			For Galvanized Fittings, Add	94.02	
23 21 13 23-1855	EA		2" x 1", Grooved Eccentric Reducer	430.42	19.45
			For Galvanized Fittings, Add	48.23	
23 21 13 23-1856	EA		2" x 1-1/4", Grooved Eccentric Reducer	470.20	20.25
			For Galvanized Fittings, Add	52.87	
23 21 13 23-1857	EA		2" x 1-1/2", Grooved Eccentric Reducer	402.04	22.54
			For Galvanized Fittings, Add	44.26	
23 21 13 23-1858	EA		2-1/2" x 3/4", Grooved Eccentric Reducer	1,052.67	21.05
			For Galvanized Fittings, Add	122.74	
23 21 13 23-1859	EA		2-1/2" x 1", Grooved Eccentric Reducer	984.00	21.86
			For Galvanized Fittings, Add	114.35	
23 21 13 23-1860	EA		2-1/2" x 1-1/4", Grooved Eccentric Reducer	586.31	22.54
			For Galvanized Fittings, Add	66.41	
23 21 13 23-1861	EA		2-1/2" x 1-1/2", Grooved Eccentric Reducer	474.97	24.83
			For Galvanized Fittings, Add	52.62	
23 21 13 23-1862	EA		2-1/2" x 2", Grooved Eccentric Reducer	218.10	27.80
			For Galvanized Fittings, Add	21.20	
23 21 13 23-1863	EA		3" x 1", Grooved Eccentric Reducer	1,058.15	25.17
			For Galvanized Fittings, Add	122.66	
23 21 13 23-1864	EA		3" x 1-1/4", Grooved Eccentric Reducer	962.66	25.98
			For Galvanized Fittings, Add	111.04	
23 21 13 23-1865	EA		3" x 1-1/2", Grooved Eccentric Reducer	548.12	27.80
			For Galvanized Fittings, Add	60.87	
23 21 13 23-1866	EA		3" x 2", Grooved Eccentric Reducer	249.00	30.89
			For Galvanized Fittings, Add	24.36	
23 21 13 23-1867	EA		3" x 2-1/2", Grooved Eccentric Reducer	257.88	36.84
			For Galvanized Fittings, Add	24.36	
23 21 13 23-1868	EA		3-1/2" x 3", Grooved Eccentric Reducer	1,180.66	39.70
			For Galvanized Fittings, Add	134.76	
23 21 13 23-1869	EA		4" x 1", Grooved Eccentric Reducer	2,115.32	31.23
			For Galvanized Fittings, Add	354.73	
23 21 13 23-1870	EA		4" x 1-1/2", Grooved Eccentric Reducer	1,301.88	33.98
			For Galvanized Fittings, Add	214.54	
23 21 13 23-1871	EA		4" x 2", Grooved Eccentric Reducer	303.29	37.07
			For Galvanized Fittings, Add	42.50	
23 21 13 23-1872	EA		4" x 2-1/2", Grooved Eccentric Reducer	307.30	39.70
			For Galvanized Fittings, Add	42.50	
23 21 13 23-1873	EA		4" x 3", Grooved Eccentric Reducer	311.87	42.79
			For Galvanized Fittings, Add	42.50	
23 21 13 23-1874	EA		5" x 2", Grooved Eccentric Reducer	1,444.07	43.13
			For Galvanized Fittings, Add	236.57	
23 21 13 23-1875	EA		5" x 2-1/2", Grooved Eccentric Reducer	1,243.88	45.77
			For Galvanized Fittings, Add	201.55	
23 21 13 23-1876	EA		5" x 3", Grooved Eccentric Reducer	1,208.37	48.85
			For Galvanized Fittings, Add	194.68	
23 21 13 23-1877	EA		5" x 4", Grooved Eccentric Reducer	419.89	54.92
			For Galvanized Fittings, Add	57.88	
23 21 13 23-1878	EA		6" x 1", Grooved Eccentric Reducer	2,214.17	46.57
			For Galvanized Fittings, Add	400.14	
23 21 13 23-1879	EA		6" x 2", Grooved Eccentric Reducer	2,033.94	52.29
			For Galvanized Fittings, Add	364.91	
23 21 13 23-1880	EA		6" x 2-1/2", Grooved Eccentric Reducer	2,411.02	54.92
			For Galvanized Fittings, Add	434.52	
23 21 13 23-1881	EA		6" x 3", Grooved Eccentric Reducer	536.32	58.02
			For Galvanized Fittings, Add	83.85	
23 21 13 23-1882	EA		6" x 4", Grooved Eccentric Reducer	489.44	64.08
			For Galvanized Fittings, Add	73.39	
23 21 13 23-1883	EA		6" x 5", Grooved Eccentric Reducer	577.08	70.26
			For Galvanized Fittings, Add	88.04	
23 21 13 23-1884	EA		8" x 3", Grooved Eccentric Reducer	2,370.56	65.68
			For Galvanized Fittings, Add	423.99	
23 21 13 23-1885	EA		8" x 4", Grooved Eccentric Reducer	2,093.26	71.74
			For Galvanized Fittings, Add	370.54	
23 21 13 23-1886	EA		8" x 5", Grooved Eccentric Reducer	1,965.50	77.81
			For Galvanized Fittings, Add	344.98	
23 21 13 23-1887	EA		8" x 6", Grooved Eccentric Reducer	927.97	86.96
			For Galvanized Fittings, Add	148.82	
23 21 13 23-1888	EA		10" x 4", Grooved Eccentric Reducer	3,763.46	79.75
			For Galvanized Fittings, Add	679.95	
23 21 13 23-1889	EA		10" x 5", Grooved Eccentric Reducer	3,561.80	85.82
			For Galvanized Fittings, Add	640.61	
23 21 13 23-1890	EA		10" x 6", Grooved Eccentric Reducer	2,731.31	94.97
			For Galvanized Fittings, Add	483.08	
23 21 13 23-1891	EA		10" x 8", Grooved Eccentric Reducer	2,345.01	102.64
			For Galvanized Fittings, Add	408.87	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 21 13 23-1892	EA	12" x 4", Grooved Eccentric Reducer.....	3,841.33	90.85
		<i>For Galvanized Fittings, Add</i>	559.11	
23 21 13 23-1893	EA	12" x 6", Grooved Eccentric Reducer.....	3,617.49	106.06
		<i>For Galvanized Fittings, Add</i>	521.89	
23 21 13 23-1894	EA	12" x 8", Grooved Eccentric Reducer.....	3,540.46	113.74
		<i>For Galvanized Fittings, Add</i>	508.53	
23 21 13 23-1895	EA	12" x 10", Grooved Eccentric Reducer.....	3,201.05	121.74
		<i>For Galvanized Fittings, Add</i>	455.49	
23 21 13 23-1896	EA	14" x 6", Grooved Eccentric Reducer.....	8,897.75	114.31
		<i>For Galvanized Fittings, Add</i>	267.90	
23 21 13 23-1897	EA	14" x 8", Grooved Eccentric Reducer.....	5,761.86	121.97
		<i>For Galvanized Fittings, Add</i>	171.27	
23 21 13 23-1898	EA	14" x 10", Grooved Eccentric Reducer.....	5,505.67	129.99
		<i>For Galvanized Fittings, Add</i>	163.04	
23 21 13 23-1899	EA	14" x 12", Grooved Eccentric Reducer.....	5,522.23	140.96
		<i>For Galvanized Fittings, Add</i>	163.04	
23 21 13 23-1900	EA	16" x 8", Grooved Eccentric Reducer.....	9,832.29	130.10
		<i>For Galvanized Fittings, Add</i>	295.86	
23 21 13 23-1901	EA	16" x 10", Grooved Eccentric Reducer.....	9,112.59	138.10
		<i>For Galvanized Fittings, Add</i>	273.40	
23 21 13 23-1902	EA	16" x 12", Grooved Eccentric Reducer.....	8,591.60	149.21
		<i>For Galvanized Fittings, Add</i>	256.90	
23 21 13 23-1903	EA	16" x 14", Grooved Eccentric Reducer.....	8,603.96	157.44
		<i>For Galvanized Fittings, Add</i>	256.90	
23 21 13 23-1904	EA	18" x 10", Grooved Eccentric Reducer.....	12,330.84	145.77
		<i>For Galvanized Fittings, Add</i>	371.85	
23 21 13 23-1905	EA	18" x 12", Grooved Eccentric Reducer.....	11,608.50	156.76
		<i>For Galvanized Fittings, Add</i>	349.17	
23 21 13 23-1906	EA	18" x 14", Grooved Eccentric Reducer.....	10,580.76	165.00
		<i>For Galvanized Fittings, Add</i>	317.23	
23 21 13 23-1907	EA	18" x 16", Grooved Eccentric Reducer.....	10,593.12	173.34
		<i>For Galvanized Fittings, Add</i>	317.23	
23 21 13 23-1908	EA	20" x 10", Grooved Eccentric Reducer.....	16,185.33	149.55
		<i>For Galvanized Fittings, Add</i>	490.01	
23 21 13 23-1909	EA	20" x 12", Grooved Eccentric Reducer.....	12,047.07	160.65
		<i>For Galvanized Fittings, Add</i>	362.45	
23 21 13 23-1910	EA	20" x 14", Grooved Eccentric Reducer.....	11,321.35	168.88
		<i>For Galvanized Fittings, Add</i>	339.79	
23 21 13 23-1911	EA	20" x 16", Grooved Eccentric Reducer.....	11,154.45	177.01
		<i>For Galvanized Fittings, Add</i>	334.30	
23 21 13 23-1912	EA	20" x 18", Grooved Eccentric Reducer.....	10,748.81	184.68
		<i>For Galvanized Fittings, Add</i>	321.49	
23 21 13 23-1913	EA	24" x 12", Grooved Eccentric Reducer.....	23,371.87	177.47
		<i>For Galvanized Fittings, Add</i>	709.35	
23 21 13 23-1914	EA	24" x 14", Grooved Eccentric Reducer.....	19,971.00	185.59
		<i>For Galvanized Fittings, Add</i>	604.57	
23 21 13 23-1915	EA	24" x 16", Grooved Eccentric Reducer.....	19,983.44	193.94
		<i>For Galvanized Fittings, Add</i>	604.57	
23 21 13 23-1916	EA	24" x 18", Grooved Eccentric Reducer.....	18,876.94	201.49
		<i>For Galvanized Fittings, Add</i>	570.25	
23 21 13 23-1917	EA	24" x 20", Grooved Eccentric Reducer.....	17,258.45	205.38
		<i>For Galvanized Fittings, Add</i>	520.38	

23 21 13 23-1918 Grooved, Close Nipple (23 21 13 23-1756)
 Note: Victaulic No. 143

23 21 13 23-1919	EA	1-1/4" Ductile Iron, Grooved, Close Nipple	64.75	15.10
		<i>For 300 Lb. Rating, Add</i>	6.28	
		<i>For Galvanized Fittings, Add</i>	7.53	
		<i>For Galvanized Fittings, Add</i>	10.72	
23 21 13 23-1920	EA	1-1/2" Ductile Iron, Grooved, Close Nipple	74.22	18.88
		<i>For 300 Lb. Rating, Add</i>	6.84	
		<i>For Galvanized Fittings, Add</i>	8.21	
		<i>For Galvanized Fittings, Add</i>	11.68	
23 21 13 23-1921	EA	2" Ductile Iron, Grooved, Close Nipple	92.75	24.92
		<i>For 300 Lb. Rating, Add</i>	8.25	
		<i>For Galvanized Fittings, Add</i>	9.90	
		<i>For Galvanized Fittings, Add</i>	14.08	
23 21 13 23-1922	EA	2-1/2" Ductile Iron, Grooved, Close Nipple	110.75	30.21
		<i>For 300 Lb. Rating, Add</i>	9.75	
		<i>For Galvanized Fittings, Add</i>	11.70	
		<i>For Galvanized Fittings, Add</i>	16.63	

23 21 13 23-1923 Grooved Caps (23 21 13 23-1756)
 Note: Victaulic No. 60

23 21 13 23-1924	EA	1" Carbon Steel Grooved Cap	140.58	4.69
23 21 13 23-1925	EA	1-1/4" Carbon Steel Grooved Cap	142.87	5.84
23 21 13 23-1926	EA	1-1/2" Carbon Steel Grooved Cap	145.39	7.10
23 21 13 23-1927	EA	2" Carbon Steel Grooved Cap	149.85	9.38
23 21 13 23-1928	EA	2-1/2" Carbon Steel Grooved Cap	153.97	11.44
23 21 13 23-1929	EA	3" Carbon Steel Grooved Cap	158.78	13.84
23 21 13 23-1930	EA	4" Carbon Steel Grooved Cap	176.28	18.30
23 21 13 23-1931	EA	5" Carbon Steel Grooved Cap	366.77	22.77
23 21 13 23-1932	EA	6" Carbon Steel Grooved Cap	380.40	29.86
23 21 13 23-1933	EA	8" Carbon Steel Grooved Cap	680.91	35.47
23 21 13 23-1934	EA	10" Carbon Steel Grooved Cap	1,146.50	41.42
23 21 13 23-1935	EA	12" Carbon Steel Grooved Cap	1,959.27	49.66

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1936		Grooved Couplings (23 21 13 23-1513)		
23 21 13 23-1937		Flexible Grooved Coupling (23 21 13 23-1936) Note: Victaulic Style 77		
23 21 13 23-1938	EA	3/4" Grooved Standard Coupling	22.71	6.18
		For Galvanized Fittings, Add	3.74	
23 21 13 23-1939	EA	1" Grooved Standard Coupling	22.71	6.18
		For Galvanized Fittings, Add	3.74	
23 21 13 23-1940	EA	1-1/4" Grooved Standard Coupling	29.47	7.78
		For Galvanized Fittings, Add	4.98	
23 21 13 23-1941	EA	1-1/2" Grooved Standard Coupling	33.39	9.26
		For Galvanized Fittings, Add	5.44	
23 21 13 23-1942	EA	2" Grooved Standard Coupling	39.24	12.48
		For Galvanized Fittings, Add	5.75	
23 21 13 23-1943	EA	2-1/2" Grooved Standard Coupling	47.36	15.21
		For Galvanized Fittings, Add	6.88	
23 21 13 23-1944	EA	3" Grooved Standard Coupling	51.78	18.19
		For Galvanized Fittings, Add	6.88	
23 21 13 23-1945	EA	3-1/2" Grooved Standard Coupling	71.57	21.29
		For Galvanized Fittings, Add	11.09	
23 21 13 23-1946	EA	4" Grooved Standard Coupling	76.04	24.26
		For Galvanized Fittings, Add	11.09	
23 21 13 23-1947	EA	5" Grooved Standard Coupling	106.26	30.44
		For Galvanized Fittings, Add	17.00	
23 21 13 23-1948	EA	6" Grooved Standard Coupling	131.37	39.70
		For Galvanized Fittings, Add	20.10	
23 21 13 23-1949	EA	8" Grooved Standard Coupling	187.93	47.37
		For Galvanized Fittings, Add	32.76	
23 21 13 23-1950	EA	10" Grooved Standard Coupling	279.56	56.76
		For Galvanized Fittings, Add	54.44	
23 21 13 23-1951	EA	12" Grooved Standard Coupling	314.50	62.13
		For Galvanized Fittings, Add	61.99	
23 21 13 23-1952	EA	14" Grooved Standard Coupling	393.10	82.85
		For Galvanized Fittings, Add	75.30	
23 21 13 23-1953	EA	16" Grooved Standard Coupling	501.75	99.43
		For Galvanized Fittings, Add	98.77	
23 21 13 23-1954	EA	18" Grooved Standard Coupling	578.67	110.41
		For Galvanized Fittings, Add	115.68	
23 21 13 23-1955	EA	20" Grooved Standard Coupling	836.16	124.26
		For Galvanized Fittings, Add	181.98	
23 21 13 23-1956	EA	24" Grooved Standard Coupling	941.94	152.86
		For Galvanized Fittings, Add	199.57	
23 21 13 23-1957		Zero-Flex® Rigid Coupling (23 21 13 23-1936) Note: Victaulic Style 07		
23 21 13 23-1958	EA	1" Grooved Rigid Coupling	27.93	6.18
		For Galvanized Fittings, Add	4.55	
23 21 13 23-1959	EA	1-1/4" Grooved Rigid Coupling	30.28	7.78
		For Galvanized Fittings, Add	4.55	
23 21 13 23-1960	EA	1-1/2" Grooved Rigid Coupling	32.55	9.26
		For Galvanized Fittings, Add	4.55	
23 21 13 23-1961	EA	2" Grooved Rigid Coupling	37.77	12.48
		For Galvanized Fittings, Add	4.67	
23 21 13 23-1962	EA	2-1/2" Grooved Rigid Coupling	44.76	15.21
		For Galvanized Fittings, Add	5.39	
23 21 13 23-1963	EA	3" Grooved Rigid Coupling	49.18	18.19
		For Galvanized Fittings, Add	5.39	
23 21 13 23-1964	EA	3-1/2" Grooved Rigid Coupling	57.65	21.29
		For Galvanized Fittings, Add	6.29	
23 21 13 23-1965	EA	4" Grooved Rigid Coupling	72.84	24.26
		For Galvanized Fittings, Add	8.92	
23 21 13 23-1966	EA	5" Grooved Rigid Coupling	92.82	30.44
		For Galvanized Fittings, Add	11.58	
23 21 13 23-1967	EA	6" Grooved Rigid Coupling	122.78	39.70
		For Galvanized Fittings, Add	15.48	
23 21 13 23-1968	EA	8" Grooved Rigid Coupling	170.48	47.37
		For Galvanized Fittings, Add	24.39	
23 21 13 23-1969	EA	10" Grooved Rigid Coupling	263.49	56.76
		For Galvanized Fittings, Add	43.70	
23 21 13 23-1970	EA	12" Grooved Rigid Coupling	292.71	62.13
		For Galvanized Fittings, Add	48.90	
23 21 13 23-1971	EA	14" Grooved Rigid Coupling	384.93	82.85
		For Galvanized Fittings, Add	63.89	
23 21 13 23-1972	EA	16" Grooved Rigid Coupling	489.09	99.43
		For Galvanized Fittings, Add	83.32	
23 21 13 23-1973	EA	18" Grooved Rigid Coupling	558.70	110.41
		For Galvanized Fittings, Add	96.32	
23 21 13 23-1974	EA	20" Grooved Rigid Coupling	654.31	124.26
		For Galvanized Fittings, Add	114.68	
23 21 13 23-1975	EA	24" Grooved Rigid Coupling	918.66	152.86
		For Galvanized Fittings, Add	168.92	
23 21 13 23-1976		Large Diameter Grooved Coupling (23 21 13 23-1936) Note: Victaulic Style 770		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 21 13 23-1977	EA	28" Grooved Coupling.....	872.88	30.44
		<i>For Galvanized Fittings, Add</i>	115.83	
23 21 13 23-1978	EA	30" Grooved Coupling.....	1,012.12	39.70
		<i>For Galvanized Fittings, Add</i>	133.35	
23 21 13 23-1979	EA	32" Grooved Coupling.....	1,497.39	47.37
		<i>For Galvanized Fittings, Add</i>	199.70	
23 21 13 23-1980	EA	36" Grooved Coupling.....	1,985.51	56.76
		<i>For Galvanized Fittings, Add</i>	266.05	
23 21 13 23-1981	EA	42" Grooved Coupling.....	3,936.47	62.13
		<i>For Galvanized Fittings, Add</i>	538.07	

23 21 13 23-1982 Flexible Coupling (23 21 13 23-1936)

Note: Victaulic Style 75

23 21 13 23-1983	EA	1-1/2" Grooved Flexible Coupling	30.86	9.26
		<i>For Galvanized Fittings, Add</i>	4.33	
23 21 13 23-1984	EA	2" Grooved Flexible Coupling	36.03	12.48
		<i>For Galvanized Fittings, Add</i>	4.44	
23 21 13 23-1985	EA	2-1/2" Grooved Flexible Coupling	42.87	15.21
		<i>For Galvanized Fittings, Add</i>	5.14	
23 21 13 23-1986	EA	3" Grooved Flexible Coupling	50.56	18.19
		<i>For Galvanized Fittings, Add</i>	5.98	
23 21 13 23-1987	EA	3-1/2" Grooved Flexible Coupling	65.06	21.29
		<i>For Galvanized Fittings, Add</i>	8.47	
23 21 13 23-1988	EA	4" Grooved Flexible Coupling	69.53	24.26
		<i>For Galvanized Fittings, Add</i>	8.47	
23 21 13 23-1989	EA	5" Grooved Flexible Coupling	93.29	30.44
		<i>For Galvanized Fittings, Add</i>	12.22	
23 21 13 23-1990	EA	6" Grooved Flexible Coupling	117.11	39.70
		<i>For Galvanized Fittings, Add</i>	14.72	
23 21 13 23-1991	EA	8" Grooved Flexible Coupling	161.34	47.37
		<i>For Galvanized Fittings, Add</i>	23.14	

23 21 13 23-1992 Installation-Ready™ Coupling (23 21 13 23-1936)

Note: Victaulic Style 009N

23 21 13 23-1993	EA	1-1/4" Ductile Iron, Installation-Ready™ Coupling	82.50	5.78
		<i>For Galvanized Fittings, Add</i>	18.88	
23 21 13 23-1994	EA	1-1/2" Ductile Iron, Installation-Ready™ Coupling	85.74	6.91
		<i>For Galvanized Fittings, Add</i>	19.27	
23 21 13 23-1995	EA	2" Ductile Iron, Installation-Ready™ Coupling	99.22	9.29
		<i>For Galvanized Fittings, Add</i>	21.80	
23 21 13 23-1996	EA	2-1/2" Ductile Iron, Installation-Ready™ Coupling	115.13	11.26
		<i>For Galvanized Fittings, Add</i>	25.11	
23 21 13 23-1997	EA	3" Ductile Iron, Installation-Ready™ Coupling	131.47	13.52
		<i>For Galvanized Fittings, Add</i>	28.41	
23 21 13 23-1998	EA	4" Ductile Iron, Installation-Ready™ Coupling	183.21	18.05
		<i>For Galvanized Fittings, Add</i>	39.90	
23 21 13 23-1999	EA	5" Ductile Iron, Installation-Ready™ Coupling	289.14	22.58
		<i>For Galvanized Fittings, Add</i>	65.26	
23 21 13 23-2000	EA	6" Ductile Iron, Installation-Ready™ Coupling	349.35	29.53
		<i>For Galvanized Fittings, Add</i>	77.98	
23 21 13 23-2001	EA	8" Ductile Iron, Installation-Ready™ Coupling	562.13	35.12
		<i>For Galvanized Fittings, Add</i>	130.29	

23 21 13 23-2002 Grooved Strainers And Suction Diffusers (23 21 13 23-1513)**23 21 13 23-2003 Grooved Wye Strainers** (23 21 13 23-2002)

Note: Victaulic Style 732

23 21 13 23-2004	EA	2" Grooved Wye Strainer	2,522.34	25.17
23 21 13 23-2005	EA	2-1/2" Grooved Wye Strainer	2,655.75	30.55
23 21 13 23-2006	EA	3" Grooved Wye Strainer	2,986.91	36.61
23 21 13 23-2007	EA	4" Grooved Wye Strainer	3,391.36	48.85
23 21 13 23-2008	EA	5" Grooved Wye Strainer	4,898.17	61.10
23 21 13 23-2009	EA	6" Grooved Wye Strainer	5,337.86	79.41
23 21 13 23-2010	EA	8" Grooved Wye Strainer	8,142.36	94.63
23 21 13 23-2011	EA	10" Grooved Wye Strainer	13,026.66	110.64
23 21 13 23-2012	EA	12" Grooved Wye Strainer	22,665.97	132.85

23 21 13 23-2013 Grooved Tee Type Strainers (23 21 13 23-2002)

Note: Victaulic Style 730

23 21 13 23-2014	EA	1-1/2" Grooved Tee Type Strainer	1,945.91	19.11
23 21 13 23-2015	EA	2" Grooved Tee Type Strainer	2,491.67	25.17
23 21 13 23-2016	EA	2-1/2" Grooved Tee Type Strainer	2,623.87	30.55
23 21 13 23-2017	EA	3" Grooved Tee Type Strainer	2,950.90	36.61
23 21 13 23-2018	EA	4" Grooved Tee Type Strainer	3,350.53	48.85
23 21 13 23-2019	EA	5" Grooved Tee Type Strainer	4,838.73	61.10
23 21 13 23-2020	EA	6" Grooved Tee Type Strainer	5,273.77	79.41
23 21 13 23-2021	EA	8" Grooved Tee Type Strainer	8,043.12	94.63
23 21 13 23-2022	EA	10" Grooved Tee Type Strainer	11,770.66	110.64
23 21 13 23-2023	EA	12" Grooved Tee Type Strainer	15,137.58	132.85
23 21 13 23-2024	EA	14" Grooved Tee Type Strainer	53,471.83	149.55
23 21 13 23-2025	EA	16" Grooved Tee Type Strainer	66,427.20	165.57
23 21 13 23-2026	EA	18" Grooved Tee Type Strainer	87,315.74	180.90

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2027		Grooved Suction Diffuser (23 21 13 23-2002) Note: Victaulic Style 731		
23 21 13 23-2028	EA	2-1/2" Grooved x 2" Flanged Suction Diffuser	5,137.75	28.26
23 21 13 23-2029	EA	3" Grooved x 2" Flanged Suction Diffuser	5,454.18	31.23
23 21 13 23-2030	EA	3" Grooved x 2-1/2" Flanged Suction Diffuser	3,942.09	36.61
23 21 13 23-2031	EA	3" Grooved x 3" Flanged Suction Diffuser	3,998.05	39.70
23 21 13 23-2032	EA	4" Grooved x 2-1/2" Flanged Suction Diffuser	4,330.41	39.70
23 21 13 23-2033	EA	4" Grooved x 3" Flanged Suction Diffuser	4,671.98	42.79
23 21 13 23-2034	EA	4" Grooved x 4" Flanged Suction Diffuser	5,400.83	42.79
23 21 13 23-2035	EA	5" Grooved x 4" Flanged Suction Diffuser	6,030.88	54.92
23 21 13 23-2036	EA	5" Grooved x 5" Flanged Suction Diffuser	6,337.31	58.02
23 21 13 23-2037	EA	6" Grooved x 4" Flanged Suction Diffuser	6,438.46	64.08
23 21 13 23-2038	EA	6" Grooved x 5" Flanged Suction Diffuser	7,692.25	70.26
23 21 13 23-2039	EA	6" Grooved x 6" Flanged Suction Diffuser	7,989.75	74.83
23 21 13 23-2040	EA	8" Grooved x 5" Flanged Suction Diffuser	8,198.15	77.81
23 21 13 23-2041	EA	8" Grooved x 6" Flanged Suction Diffuser	8,652.26	86.96
23 21 13 23-2042	EA	8" Grooved x 8" Flanged Suction Diffuser	14,806.88	94.63
23 21 13 23-2043	EA	10" Grooved x 8" Flanged Suction Diffuser	16,701.48	102.29
23 21 13 23-2044	EA	10" Grooved x 10" Flanged Suction Diffuser	20,099.00	106.06
23 21 13 23-2045	EA	12" Grooved x 10" Flanged Suction Diffuser	23,785.27	122.08
23 21 13 23-2046	EA	12" Grooved x 12" Flanged Suction Diffuser	33,024.52	129.76
23 21 13 23-2047	EA	14" Grooved x 10" Flanged Suction Diffuser	30,748.62	129.76
23 21 13 23-2048	EA	14" Grooved x 12" Flanged Suction Diffuser	34,342.10	141.19
23 21 13 23-2049	EA	14" Grooved x 14" Flanged Suction Diffuser	41,670.99	149.55
23 21 13 23-2050	EA	16" Grooved x 14" Flanged Suction Diffuser	42,900.23	157.21
23 21 13 23-2051		Grooved Steel Valves (23 21 13 23-1513)		
23 21 13 23-2052		Grooved Butterfly Valves With Standard Trim (23 21 13 23-2051)		
23 21 13 23-2053	EA	1-1/2" Butterfly Valve, Grooved, With Standard Trim	290.91	12.48
23 21 13 23-2054	EA	2" Butterfly Valve, Grooved, With Standard Trim	296.81	16.36
23 21 13 23-2055	EA	3" Butterfly Valve, Grooved, With Standard Trim	486.88	24.26
23 21 13 23-2056	EA	4" Butterfly Valve, Grooved, With Standard Trim	653.94	31.93
23 21 13 23-2057	EA	6" Butterfly Valve, Grooved, With Standard Trim	1,426.49	52.29
23 21 13 23-2058	EA	8" Butterfly Valve, Grooved, With Standard Trim	1,976.93	73.57
23 21 13 23-2059	EA	10" Butterfly Valve, Grooved, With Standard Trim	2,968.29	99.43
23 21 13 23-2060		Grooved Butterfly Valves With Stainless Steel Trim (23 21 13 23-2051)		
23 21 13 23-2061	EA	1-1/2" Butterfly Valve, Grooved, With Stainless Steel Trim	436.73	12.48
23 21 13 23-2062	EA	2" Butterfly Valve, Grooved, With Stainless Steel Trim	442.63	16.36
23 21 13 23-2063	EA	3" Butterfly Valve, Grooved, With Stainless Steel Trim	684.55	24.26
23 21 13 23-2064	EA	4" Butterfly Valve, Grooved, With Stainless Steel Trim	871.06	31.93
23 21 13 23-2065	EA	6" Butterfly Valve, Grooved, With Stainless Steel Trim	1,666.29	52.29
23 21 13 23-2066	EA	8" Butterfly Valve, Grooved, With Stainless Steel Trim	2,767.63	73.57
23 21 13 23-2067	EA	10" Butterfly Valve, Grooved, With Stainless Steel Trim	4,361.73	99.43
23 21 13 23-2068		Grooved Ball Valves With Standard Trim And Handle (23 21 13 23-2051) Note: Victaulic No. 721		
23 21 13 23-2069	EA	1-1/2" Ball Valve, Grooved, With Standard Trim	245.58	12.24
23 21 13 23-2070	EA	2" Ball Valve, Grooved, With Standard Trim	281.45	16.82
23 21 13 23-2071	EA	2-1/2" Ball Valve, Grooved, With Standard Trim	641.51	20.60
23 21 13 23-2072	EA	3" Ball Valve, Grooved, With Standard Trim	1,051.43	24.38
23 21 13 23-2073	EA	4" Ball Valve, Grooved, With Standard Trim	1,637.00	32.04
23 21 13 23-2074	EA	6" Ball Valve, Grooved, With Standard Trim	5,087.12	52.63
23 21 13 23-2075		Grooved Ball Valves With Stainless Steel Trim And Handle (23 21 13 23-2051) Note: Victaulic No. 721		
23 21 13 23-2076	EA	1-1/2" Ball Valve, Grooved, With Stainless Steel Trim	261.55	12.24
23 21 13 23-2077	EA	2" Ball Valve, Grooved, With Stainless Steel Trim	447.24	16.82
23 21 13 23-2078	EA	2-1/2" Ball Valve, Grooved, With Stainless Steel Trim	1,164.28	20.60
23 21 13 23-2079	EA	3" Ball Valve, Grooved, With Stainless Steel Trim	1,505.48	24.38
23 21 13 23-2080	EA	4" Ball Valve, Grooved, With Stainless Steel Trim	2,056.59	32.04
23 21 13 23-2081	EA	6" Ball Valve, Grooved, With Stainless Steel Trim	5,607.05	52.63
23 21 13 23-2082		Grooved Check Valves (23 21 13 23-2051) Note: Victaulic No. 712		
23 21 13 23-2083	EA	2" Check Valve, Grooved	372.72	16.82
23 21 13 23-2084	EA	2-1/2" Check Valve, Grooved	604.65	20.60
23 21 13 23-2085	EA	3" Check Valve, Grooved	704.54	24.38
23 21 13 23-2086	EA	4" Check Valve, Grooved	998.51	32.04
23 21 13 23-2087		Grooved Vic-Check Check Valves (23 21 13 23-2051) Note: Victaulic No. 716		
23 21 13 23-2088	EA	2-1/2" "Vic-Check" Check Valve, Grooved	483.41	20.60
23 21 13 23-2089	EA	3" "Vic-Check" Check Valve, Grooved	488.97	24.38
23 21 13 23-2090	EA	4" "Vic-Check" Check Valve, Grooved	612.87	32.04
23 21 13 23-2091	EA	6" "Vic-Check" Check Valve, Grooved	1,194.18	52.63
23 21 13 23-2092	EA	8" "Vic-Check" Check Valve, Grooved	1,634.08	73.23
23 21 13 23-2093	EA	10" "Vic-Check" Check Valve, Grooved	4,560.90	99.21

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 21 13 23-2094 EA 12" "Vic-Check" Check Valve, Grooved5,400.75 114.53

23 21 13 23-2095 Grooved Plug Valves With Lever Operator (23 21 13 23-2051)

Note: Victaulic No. 377

 23 21 13 23-2096 EA 3" Balancing Plug Valve, Grooved, With Lever Handle1,180.98 24.38
 23 21 13 23-2097 EA 4" Balancing Plug Valve, Grooved, With Lever Handle1,307.39 32.04
 23 21 13 23-2098 EA 6" Balancing Plug Valve, Grooved, With Lever Handle2,337.27 52.63

23 21 13 23-2099 Grooved Plug Valve With Gear Operator (23 21 13 23-2051)

Note: Victaulic No. 377

 23 21 13 23-2100 EA 3" Balancing Plug Valve, Grooved, With Gear Operator2,104.04 24.38
 23 21 13 23-2101 EA 4" Balancing Plug Valve, Grooved, With Gear Operator2,230.54 32.04
 23 21 13 23-2102 EA 6" Balancing Plug Valve, Grooved, With Gear Operator3,260.42 52.63
 23 21 13 23-2103 EA 8" Balancing Plug Valve, Grooved, With Gear Operator4,359.55 73.23
 23 21 13 23-2104 EA 10" Balancing Plug Valve, Grooved, With Gear Operator6,850.74 99.21
 23 21 13 23-2105 EA 12" Balancing Plug Valve, Grooved, With Gear Operator9,933.87 114.53

23 21 13 23-2106 Prepare Pipe For Groove (23 21 13 23-1513)

23 21 13 23-2107 Cut Grooved Pipe (23 21 13 23-2106)

Note: For use where connecting ungrooved pipe with grooved pipe, coupling to grooved pipe, or for field groove preparation on existing cut pipe.

 23 21 13 23-2108 EA Cut 3/4" Groove Pipe11.98
 23 21 13 23-2109 EA Cut 1" Groove Pipe13.02
 23 21 13 23-2110 EA Cut 1-1/4" Groove Pipe14.69
 23 21 13 23-2111 EA Cut 1-1/2" Groove Pipe15.98
 23 21 13 23-2112 EA Cut 2" Groove Pipe17.52
 23 21 13 23-2113 EA Cut 2-1/2" Groove Pipe18.98
 23 21 13 23-2114 EA Cut 3" Groove Pipe20.70
 23 21 13 23-2115 EA Cut 3-1/2" Groove Pipe21.95
 23 21 13 23-2116 EA Cut 4" Groove Pipe23.36
 23 21 13 23-2117 EA Cut 5" Groove Pipe25.30
 23 21 13 23-2118 EA Cut 6" Groove Pipe26.03
 23 21 13 23-2119 EA Cut 8" Groove Pipe33.74
 23 21 13 23-2120 EA Cut 10" Groove Pipe47.95
 23 21 13 23-2121 EA Cut 12" Groove Pipe60.73
 23 21 13 23-2122 EA Cut 14" Groove Pipe91.10
 23 21 13 23-2123 EA Cut 16" Groove Pipe95.89
 23 21 13 23-2124 EA Cut 18" Groove Pipe101.22
 23 21 13 23-2125 EA Cut 20" Groove Pipe107.17
 23 21 13 23-2126 EA Cut 24" Groove Pipe121.47

23 21 13 23-2127 Roll Grooved Pipe (23 21 13 23-2106)

Note: For use where connecting ungrooved pipe with grooved pipe, coupling to grooved pipe, or for field groove preparation on existing cut pipe.

 23 21 13 23-2128 EA Roll 3/4" Groove6.85
 23 21 13 23-2129 EA Roll 1" Groove7.99
 23 21 13 23-2130 EA Roll 1-1/4" Groove9.11
 23 21 13 23-2131 EA Roll 1-1/2" Groove10.24
 23 21 13 23-2132 EA Roll 2" Groove15.71
 23 21 13 23-2133 EA Roll 2-1/2" Groove16.56
 23 21 13 23-2134 EA Roll 3" Groove18.22
 23 21 13 23-2135 EA Roll 3-1/2" Groove19.38
 23 21 13 23-2136 EA Roll 4" Groove21.18
 23 21 13 23-2137 EA Roll 5" Groove21.69
 23 21 13 23-2138 EA Roll 6" Groove22.78
 23 21 13 23-2139 EA Roll 8" Groove27.61
 23 21 13 23-2140 EA Roll 10" Groove31.41
 23 21 13 23-2141 EA Roll 12" Groove39.61
 23 21 13 23-2142 EA Roll 14" Groove60.73
 23 21 13 23-2143 EA Roll 16" Groove65.07
 23 21 13 23-2144 EA Roll 18" Groove67.48
 23 21 13 23-2145 EA Roll 20" Groove72.88
 23 21 13 23-2146 EA Roll 24" Groove79.22

23 21 13 23-2147 Standard Gaskets (23 21 13 23-2106)

Note: For use on replacement of existing gaskets.

 23 21 13 23-2148 EA 3/4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"14.41
 23 21 13 23-2149 EA 1" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"15.36
 23 21 13 23-2150 EA 1-1/4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"16.27
 23 21 13 23-2151 EA 1-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"17.93
 23 21 13 23-2152 EA 2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"18.61
 23 21 13 23-2153 EA 2-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"21.30
 23 21 13 23-2154 EA 3" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"23.48
 23 21 13 23-2155 EA 3-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"28.23
 23 21 13 23-2156 EA 4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"28.78
 23 21 13 23-2157 EA 5" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"34.65
 23 21 13 23-2158 EA 6" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"37.12
 23 21 13 23-2159 EA 8" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"49.76
 23 21 13 23-2160 EA 10" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"61.36
 23 21 13 23-2161 EA 12" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"73.26

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2162	EA	14" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	103.14	
23 21 13 23-2163	EA	16" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	133.67	
23 21 13 23-2164	EA	18" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	155.85	
23 21 13 23-2165	EA	20" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	223.75	
23 21 13 23-2166	EA	24" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	302.17	
23 21 13 23-2167		Copper Grooved-Joint Pipe Fittings (23 21 13 23)		
		Note: Couplings are not included with fittings.		
23 21 13 23-2168		Grooved Fittings (23 21 13 23-2167)		
23 21 13 23-2169		Grooved 90 Degree Elbows (23 21 13 23-2168)		
23 21 13 23-2170	EA	2" Copper 90 Degree Elbow, Grooved.....	156.37	18.65
23 21 13 23-2171	EA	2-1/2" Copper 90 Degree Elbow, Grooved	174.31	22.77
23 21 13 23-2172	EA	3" Copper 90 Degree Elbow, Grooved.....	235.60	27.58
23 21 13 23-2173	EA	4" Copper 90 Degree Elbow, Grooved.....	486.89	36.39
23 21 13 23-2174	EA	5" Copper 90 Degree Elbow, Grooved.....	1,264.62	45.54
23 21 13 23-2175	EA	6" Copper 90 Degree Elbow, Grooved.....	1,991.95	59.62
23 21 13 23-2176	EA	8" Copper 90 Degree Elbow, Grooved.....	3,657.62	70.94
23 21 13 23-2177		Grooved 45 Degree Elbows (23 21 13 23-2168)		
23 21 13 23-2178	EA	2" Copper 45 Degree Elbow, Grooved.....	156.37	18.65
23 21 13 23-2179	EA	2-1/2" Copper 45 Degree Elbow, Grooved	174.31	22.77
23 21 13 23-2180	EA	3" Copper 45 Degree Elbow, Grooved.....	235.60	27.58
23 21 13 23-2181	EA	4" Copper 45 Degree Elbow, Grooved.....	486.89	36.39
23 21 13 23-2182	EA	5" Copper 45 Degree Elbow, Grooved.....	1,264.62	45.54
23 21 13 23-2183	EA	6" Copper 45 Degree Elbow, Grooved.....	1,991.95	59.62
23 21 13 23-2184	EA	8" Copper 45 Degree Elbow, Grooved.....	3,657.62	70.94
23 21 13 23-2185		Grooved Tees (23 21 13 23-2168)		
23 21 13 23-2186	EA	2" Copper Tee, Grooved.....	250.04	27.46
23 21 13 23-2187	EA	2-1/2" Copper Tee, Grooved.....	274.47	33.75
23 21 13 23-2188	EA	3" Copper Tee, Grooved.....	390.86	41.42
23 21 13 23-2189	EA	4" Copper Tee, Grooved.....	782.50	53.55
23 21 13 23-2190	EA	5" Copper Tee, Grooved.....	3,111.91	70.03
23 21 13 23-2191	EA	6" Copper Tee, Grooved.....	2,509.86	87.65
23 21 13 23-2192	EA	8" Copper Tee, Grooved.....	4,381.59	106.42
23 21 13 23-2193		Grooved Reducing Tees (23 21 13 23-2168)		
23 21 13 23-2194	EA	2-1/2" Copper Tee, Reducing, Grooved.....	376.06	33.75
23 21 13 23-2195	EA	3" Copper Tee, Reducing, Grooved.....	606.56	41.42
23 21 13 23-2196	EA	4" Copper Tee, Reducing, Grooved.....	994.39	53.67
23 21 13 23-2197	EA	5" Copper Tee, Reducing, Grooved.....	2,847.99	70.14
23 21 13 23-2198	EA	6" Copper Tee, Reducing, Grooved.....	3,481.28	87.65
23 21 13 23-2199		Grooved X Cup Reducing Tees (23 21 13 23-2168)		
23 21 13 23-2200	EA	2" Copper Tee, Reducing, Grooved X Cup.....	304.37	27.46
23 21 13 23-2201	EA	2-1/2" Copper Tee, Reducing, Grooved X Cup.....	377.17	33.75
23 21 13 23-2202	EA	3" Copper Tee, Reducing, Grooved X Cup.....	655.45	41.42
23 21 13 23-2203	EA	4" Copper Tee, Reducing, Grooved X Cup.....	994.39	53.55
23 21 13 23-2204		Grooved Flanged Adapter Nipples (23 21 13 23-2168)		
23 21 13 23-2205	EA	2" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	553.96	20.25
23 21 13 23-2206	EA	2-1/2" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	583.78	24.60
23 21 13 23-2207	EA	3" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	618.76	29.41
23 21 13 23-2208	EA	4" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	693.12	39.59
23 21 13 23-2209	EA	5" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	921.12	47.95
23 21 13 23-2210	EA	6" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	1,027.52	64.76
23 21 13 23-2211		Grooved Concentric Reducers (23 21 13 23-2168)		
23 21 13 23-2212	EA	2-1/2" x 2" Copper Concentric Reducer, Grooved	212.35	20.82
23 21 13 23-2213	EA	3" x 2" Copper Concentric Reducer, Grooved	216.94	23.23
23 21 13 23-2214	EA	3" x 2-1/2" Copper Concentric Reducer, Grooved	225.82	27.58
23 21 13 23-2215	EA	4" x 2" Copper Concentric Reducer, Grooved	404.32	27.80
23 21 13 23-2216	EA	4" x 2-1/2" Copper Concentric Reducer, Grooved	408.33	29.75
23 21 13 23-2217	EA	4" x 3" Copper Concentric Reducer, Grooved	412.90	32.04
23 21 13 23-2218	EA	5" x 3" Copper Concentric Reducer, Grooved	1,054.43	36.61
23 21 13 23-2219	EA	5" x 4" Copper Concentric Reducer, Grooved	1,063.59	41.19
23 21 13 23-2220	EA	6" x 3" Copper Concentric Reducer, Grooved	1,149.12	43.48
23 21 13 23-2221	EA	6" x 4" Copper Concentric Reducer, Grooved	1,158.27	48.06
23 21 13 23-2222	EA	6" x 5" Copper Concentric Reducer, Grooved	1,167.43	52.63
23 21 13 23-2223	EA	8" x 6" Copper Concentric Reducer, Grooved	1,994.52	65.21
23 21 13 23-2224		Grooved X Cup Concentric Reducers (23 21 13 23-2168)		
23 21 13 23-2225	EA	2" x 1" Copper Concentric Reducer, Grooved X Cup	170.45	14.65
23 21 13 23-2226	EA	2" x 1-1/4" Copper Concentric Reducer, Grooved X Cup	171.59	15.21

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 21 13 23-2227	EA	2" x 1-1/2" Copper Concentric Reducer, Grooved X Cup	175.09	16.94
23 21 13 23-2228	EA	2-1/2" x 1" Copper Concentric Reducer, Grooved X Cup	205.47	16.36
23 21 13 23-2229	EA	2-1/2" x 1-1/4" Copper Concentric Reducer, Grooved X Cup	206.60	16.94
23 21 13 23-2230	EA	2-1/2" x 1-1/2" Copper Concentric Reducer, Grooved X Cup	209.96	18.65
23 21 13 23-2231	EA	2-1/2" x 2" Copper Concentric Reducer, Grooved X Cup	214.53	20.82
23 21 13 23-2232	EA	3" x 1-1/2" Copper Concentric Reducer, Grooved X Cup	256.34	20.82
23 21 13 23-2233	EA	3" x 2" Copper Concentric Reducer, Grooved X Cup	260.93	23.23
23 21 13 23-2234	EA	4" x 2" Copper Concentric Reducer, Grooved X Cup	453.76	27.69

23 21 13 23-2235 Grooved Standard Couplings (23 21 13 23-2168)

23 21 13 23-2236	EA	2" Copper Standard Coupling, Grooved	59.72	9.38
23 21 13 23-2237	EA	2-1/2" Copper Standard Coupling, Grooved	69.80	11.44
23 21 13 23-2238	EA	3" Copper Standard Coupling, Grooved	78.95	13.61
23 21 13 23-2239	EA	4" Copper Standard Coupling, Grooved	115.65	18.30
23 21 13 23-2240	EA	5" Copper Standard Coupling, Grooved	180.30	22.77
23 21 13 23-2241	EA	6" Copper Standard Coupling, Grooved	237.58	29.75
23 21 13 23-2242	EA	8" Copper Standard Coupling, Grooved	348.02	35.47

23 21 13 23-2243 Grooved Caps (23 21 13 23-2168)

23 21 13 23-2244	EA	2" Copper Cap, Grooved	100.72	9.38
23 21 13 23-2245	EA	2-1/2" Copper Cap, Grooved	144.49	11.44
23 21 13 23-2246	EA	3" Copper Cap, Grooved	178.23	13.61
23 21 13 23-2247	EA	4" Copper Cap, Grooved	263.00	18.19
23 21 13 23-2248	EA	5" Copper Cap, Grooved	447.25	22.77
23 21 13 23-2249	EA	6" Copper Cap, Grooved	521.95	29.75

23 21 13 23-2250 Grooved Valves (23 21 13 23-2167)**23 21 13 23-2251 Grooved Butterfly Valves, Standard Trim, Without Operator** (23 21 13 23-2250)

Note: Copper body.

23 21 13 23-2252	EA	2" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	480.10	12.24
		For Chain Wheel, Add	43.45	
		For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2253	EA	3" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	546.63	18.19
		For Chain Wheel, Add	43.45	
		For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2254	EA	4" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	722.57	23.91
		For Chain Wheel, Add	43.45	
		For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2255	EA	6" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	965.14	39.25
		For Chain Wheel, Add	43.45	
		For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2256	EA	8" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	1,065.58	55.15
		For Chain Wheel, Add	43.45	
		For Valve Bracket Insulation, Add	38.20	

23 21 13 23-2257 Grooved Butterfly Valves, Standard Trim, With Operator (23 21 13 23-2250)

Note: Copper body.

23 21 13 23-2258	EA	2" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	586.16	12.24
		For Chain Wheel, Add	43.45	
		For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2259	EA	3" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	652.76	18.19
		For Chain Wheel, Add	43.45	
		For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2260	EA	4" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	828.70	23.91
		For Chain Wheel, Add	43.45	
		For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2261	EA	6" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	1,071.34	39.25
		For Chain Wheel, Add	43.45	
		For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2262	EA	8" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	1,171.71	55.15
		For Chain Wheel, Add	43.45	
		For Valve Bracket Insulation, Add	38.20	

23 21 13 23-2263 Polyvinyl Chloride (PVC) Pressure Pipe And Fittings (23 21 13 23)

Note: Socket or back weld.

23 21 13 23-2264 Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe And Fittings (23 21 13 23-2263)

Note: ASTM D1785 with D2466 fittings.

23 21 13 23-2265 Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe (23 21 13 23-2264)

23 21 13 23-2266	LF	1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	5.47	3.27
		For Work In Restricted Working Space, Add	1.47	
23 21 13 23-2267	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	6.86	4.09
		For Work In Restricted Working Space, Add	1.84	
23 21 13 23-2268	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	7.58	4.36
		For Work In Restricted Working Space, Add	1.96	
23 21 13 23-2269	LF	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	8.41	4.69
		For Work In Restricted Working Space, Add	2.11	
23 21 13 23-2270	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	8.72	4.77
		For Work In Restricted Working Space, Add	2.15	
23 21 13 23-2271	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	10.71	5.71
		For Work In Restricted Working Space, Add	2.57	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2272	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	13.56 3.05	6.79
23 21 13 23-2273	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	16.70 3.69	8.21
23 21 13 23-2274	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	24.80 5.54	12.30
23 21 13 23-2275	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	35.67 7.38	16.41
23 21 13 23-2276	LF	8" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	46.13 8.80	19.55
23 21 13 23-2277	LF	10" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	84.13 9.82	21.84
23 21 13 23-2278 Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows (23 21 13 23-2264)				
23 21 13 23-2279	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	19.29 5.54	12.35
23 21 13 23-2280	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	25.78 7.38	16.36
23 21 13 23-2281	EA	1" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	32.59 9.15	20.37
23 21 13 23-2282	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	47.00 12.95	28.84
23 21 13 23-2283	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	52.77 14.61	32.49
23 21 13 23-2284	EA	2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	68.26 18.56	41.30
23 21 13 23-2285	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	111.01 27.46	61.10
23 21 13 23-2286	EA	3" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	143.83 36.13	80.33
23 21 13 23-2287	EA	4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	184.82 42.91	95.43
23 21 13 23-2288	EA	6" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	263.53 49.04	109.04
23 21 13 23-2289	EA	8" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	448.37 57.21	127.24
23 21 13 23-2290	EA	10" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	670.48 85.31	189.71
23 21 13 23-2291 Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows (23 21 13 23-2264)				
23 21 13 23-2292	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	19.71 5.54	12.35
23 21 13 23-2293	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	26.61 7.38	16.36
23 21 13 23-2294	EA	1" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	33.76 9.15	20.37
23 21 13 23-2295	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	47.75 12.95	28.84
23 21 13 23-2296	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	54.43 14.61	32.49
23 21 13 23-2297	EA	2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	69.34 18.56	41.30
23 21 13 23-2298	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	111.01 27.46	61.10
23 21 13 23-2299	EA	3" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	150.83 36.13	80.33
23 21 13 23-2300	EA	4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	197.56 42.91	95.43
23 21 13 23-2301	EA	6" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	264.70 49.04	109.04
23 21 13 23-2302	EA	8" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	434.30 57.21	127.24
23 21 13 23-2303	EA	10" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	670.48 85.31	189.71
23 21 13 23-2304 Schedule 40 Polyvinyl Chloride (PVC) Tees (23 21 13 23-2264)				
23 21 13 23-2305	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	31.51 9.15	20.37
23 21 13 23-2306	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	37.99 11.07	24.60
23 21 13 23-2307	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	50.77 14.61	32.49
23 21 13 23-2308	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	65.18 18.56	41.30
23 21 13 23-2309	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	77.90 22.15	49.21
23 21 13 23-2310	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	97.44 27.46	61.10
23 21 13 23-2311	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	140.09 36.13	80.33
23 21 13 23-2312	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	168.76 42.91	95.43
23 21 13 23-2313	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	237.32 57.21	127.24

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 21 13 23-2314	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Tees.....	403.25	164.08
		<i>For Work In Restricted Working Space, Add</i>	73.82	
23 21 13 23-2315	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Tees.....	669.77	203.56
		<i>For Work In Restricted Working Space, Add</i>	91.54	
23 21 13 23-2316	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Tees.....	1,882.86	304.13
		<i>For Work In Restricted Working Space, Add</i>	136.80	

23 21 13 23-2317 Schedule 40 Polyvinyl Chloride (PVC) Crosses (23 21 13 23-2264)

23 21 13 23-2318	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses	39.71	25.40
		<i>For Work In Restricted Working Space, Add</i>	11.44	
23 21 13 23-2319	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Crosses	47.83	30.78
		<i>For Work In Restricted Working Space, Add</i>	13.84	
23 21 13 23-2320	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Crosses	64.14	40.62
		<i>For Work In Restricted Working Space, Add</i>	18.26	
23 21 13 23-2321	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Crosses	82.53	51.60
		<i>For Work In Restricted Working Space, Add</i>	23.19	
23 21 13 23-2322	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses	98.67	61.56
		<i>For Work In Restricted Working Space, Add</i>	27.68	
23 21 13 23-2323	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Crosses	123.69	76.32
		<i>For Work In Restricted Working Space, Add</i>	34.33	
23 21 13 23-2324	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses	181.36	100.47
		<i>For Work In Restricted Working Space, Add</i>	45.17	
23 21 13 23-2325	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Crosses	219.10	119.22
		<i>For Work In Restricted Working Space, Add</i>	53.63	
23 21 13 23-2326	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Crosses	311.47	159.04
		<i>For Work In Restricted Working Space, Add</i>	71.51	
23 21 13 23-2327	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Crosses	553.85	205.04
		<i>For Work In Restricted Working Space, Add</i>	92.24	
23 21 13 23-2328	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Crosses	952.82	254.24
		<i>For Work In Restricted Working Space, Add</i>	114.36	
23 21 13 23-2329	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Crosses	2,807.04	380.33
		<i>For Work In Restricted Working Space, Add</i>	171.08	

23 21 13 23-2330 Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts (23 21 13 23-2264)

23 21 13 23-2331	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts.....	19.89	12.59
		<i>For Work In Restricted Working Space, Add</i>	5.74	
23 21 13 23-2332	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts.....	26.08	16.13
		<i>For Work In Restricted Working Space, Add</i>	7.35	
23 21 13 23-2333	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts.....	34.82	21.63
		<i>For Work In Restricted Working Space, Add</i>	9.82	
23 21 13 23-2334	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts.....	42.99	26.89
		<i>For Work In Restricted Working Space, Add</i>	12.25	
23 21 13 23-2335	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts.....	52.80	32.38
		<i>For Work In Restricted Working Space, Add</i>	14.74	
23 21 13 23-2336	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts.....	74.00	44.97
		<i>For Work In Restricted Working Space, Add</i>	20.45	
23 21 13 23-2337	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts.....	102.95	62.13
		<i>For Work In Restricted Working Space, Add</i>	28.26	
23 21 13 23-2338	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts.....	136.83	77.24
		<i>For Work In Restricted Working Space, Add</i>	35.13	
23 21 13 23-2339	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts.....	185.25	89.93
		<i>For Work In Restricted Working Space, Add</i>	40.87	
23 21 13 23-2340	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts.....	439.34	103.90
		<i>For Work In Restricted Working Space, Add</i>	47.22	
23 21 13 23-2341	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts.....	524.12	139.36
		<i>For Work In Restricted Working Space, Add</i>	63.34	

23 21 13 23-2342 Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts (23 21 13 23-2264)

23 21 13 23-2343	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	20.21	12.35
		<i>For Work In Restricted Working Space, Add</i>	5.54	
23 21 13 23-2344	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	26.36	16.36
		<i>For Work In Restricted Working Space, Add</i>	7.38	
23 21 13 23-2345	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	32.67	20.37
		<i>For Work In Restricted Working Space, Add</i>	9.15	
23 21 13 23-2346	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	46.50	28.84
		<i>For Work In Restricted Working Space, Add</i>	12.95	
23 21 13 23-2347	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	52.52	32.49
		<i>For Work In Restricted Working Space, Add</i>	14.61	
23 21 13 23-2348	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	67.09	41.30
		<i>For Work In Restricted Working Space, Add</i>	18.56	
23 21 13 23-2349	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	99.11	61.10
		<i>For Work In Restricted Working Space, Add</i>	27.46	
23 21 13 23-2350	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	129.18	80.33
		<i>For Work In Restricted Working Space, Add</i>	36.13	
23 21 13 23-2351	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	162.76	95.43
		<i>For Work In Restricted Working Space, Add</i>	42.91	

23 21 13 23-2352 Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters (23 21 13 23-2264)

23 21 13 23-2353	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	20.79	12.35
		<i>For Work In Restricted Working Space, Add</i>	5.54	
23 21 13 23-2354	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	26.94	16.36
		<i>For Work In Restricted Working Space, Add</i>	7.38	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2355	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	33.84 9.15	20.37
23 21 13 23-2356	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	47.17 12.95	28.84
23 21 13 23-2357	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	54.02 14.61	32.49
23 21 13 23-2358	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	68.43 18.56	41.30
23 21 13 23-2359	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	100.60 27.46	61.10
23 21 13 23-2360	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	133.76 36.13	80.33
23 21 13 23-2361	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	160.10 42.91	95.43
23 21 13 23-2362 Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters (23 21 13 23-2264)				
23 21 13 23-2363	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	19.29 5.54	12.35
23 21 13 23-2364	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	25.69 7.38	16.36
23 21 13 23-2365	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	31.76 9.15	20.37
23 21 13 23-2366	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	45.17 12.95	28.84
23 21 13 23-2367	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	51.02 14.61	32.49
23 21 13 23-2368	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	65.01 18.56	41.30
23 21 13 23-2369	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	105.26 27.46	61.10
23 21 13 23-2370	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	138.92 36.13	80.33
23 21 13 23-2371	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	173.58 42.91	95.43
23 21 13 23-2372 Schedule 40 Polyvinyl Chloride (PVC) P-Traps (23 21 13 23-2264)				
23 21 13 23-2373	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) P-Traps..... <i>For Work In Restricted Working Space, Add</i>	31.25 7.55	16.82
23 21 13 23-2374 Schedule 40 Polyvinyl Chloride (PVC) Couplings (23 21 13 23-2264)				
23 21 13 23-2375	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	18.96 5.54	12.35
23 21 13 23-2376	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	25.28 7.38	16.36
23 21 13 23-2377	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	31.76 9.15	20.37
23 21 13 23-2378	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	44.84 12.95	28.84
23 21 13 23-2379	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	50.52 14.61	32.49
23 21 13 23-2380	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	64.68 18.56	41.30
23 21 13 23-2381	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	97.86 27.46	61.10
23 21 13 23-2382	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	130.35 36.13	80.33
23 21 13 23-2383	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	157.43 42.91	95.43
23 21 13 23-2384	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	209.08 49.04	109.04
23 21 13 23-2385	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	275.95 57.21	127.24
23 21 13 23-2386	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	595.69 61.32	136.39
23 21 13 23-2387 Schedule 40 Polyvinyl Chloride (PVC) Unions (23 21 13 23-2264)				
23 21 13 23-2388	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	38.64 9.15	20.37
23 21 13 23-2389	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	50.98 11.07	24.60
23 21 13 23-2390	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	64.42 14.61	32.49
23 21 13 23-2391	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	100.15 18.56	41.30
23 21 13 23-2392	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	113.78 22.15	49.21
23 21 13 23-2393	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	145.39 27.46	61.10
23 21 13 23-2394	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	218.18 36.13	80.33
23 21 13 23-2395	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	246.60 42.91	95.43

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 21 13 23-2396	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Unions	396.08	127.24
		<i>For Work In Restricted Working Space, Add</i>	57.21	
23 21 13 23-2397	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Unions	521.27	164.08
		<i>For Work In Restricted Working Space, Add</i>	73.79	
23 21 13 23-2398	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Unions	759.17	203.44
		<i>For Work In Restricted Working Space, Add</i>	91.49	
23 21 13 23-2399	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Unions	1,127.34	252.52
		<i>For Work In Restricted Working Space, Add</i>	113.60	

23 21 13 23-2400 Schedule 40 Polyvinyl Chloride (PVC) Caps (23 21 13 23-2264)

23 21 13 23-2401	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps	9.10	5.57
		<i>For Work In Restricted Working Space, Add</i>	2.53	
23 21 13 23-2402	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Caps	11.91	7.32
		<i>For Work In Restricted Working Space, Add</i>	3.32	
23 21 13 23-2403	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Caps	15.06	9.04
		<i>For Work In Restricted Working Space, Add</i>	4.12	
23 21 13 23-2404	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Caps	21.55	13.01
		<i>For Work In Restricted Working Space, Add</i>	5.92	
23 21 13 23-2405	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps	23.91	14.42
		<i>For Work In Restricted Working Space, Add</i>	6.57	
23 21 13 23-2406	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Caps	30.24	18.43
		<i>For Work In Restricted Working Space, Add</i>	8.35	
23 21 13 23-2407	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps	49.10	27.24
		<i>For Work In Restricted Working Space, Add</i>	12.36	
23 21 13 23-2408	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Caps	62.77	35.81
		<i>For Work In Restricted Working Space, Add</i>	16.26	
23 21 13 23-2409	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Caps	84.01	42.45
		<i>For Work In Restricted Working Space, Add</i>	19.31	
23 21 13 23-2410	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Caps	120.60	48.51
		<i>For Work In Restricted Working Space, Add</i>	22.07	
23 21 13 23-2411	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Caps	243.17	56.64
		<i>For Work In Restricted Working Space, Add</i>	25.75	
23 21 13 23-2412	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Caps	710.14	84.45
		<i>For Work In Restricted Working Space, Add</i>	38.39	

23 21 13 23-2413 Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges (23 21 13 23-2264)

23 21 13 23-2414	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Socket Weld Flanges	47.24	20.37
		<i>For Work In Restricted Working Space, Add</i>	9.15	
23 21 13 23-2415	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	62.55	24.60
		<i>For Work In Restricted Working Space, Add</i>	11.07	
23 21 13 23-2416	EA	1" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	77.24	32.49
		<i>For Work In Restricted Working Space, Add</i>	14.61	
23 21 13 23-2417	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	91.24	41.30
		<i>For Work In Restricted Working Space, Add</i>	18.56	
23 21 13 23-2418	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	103.87	49.21
		<i>For Work In Restricted Working Space, Add</i>	22.15	
23 21 13 23-2419	EA	2" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	131.49	61.10
		<i>For Work In Restricted Working Space, Add</i>	27.46	
23 21 13 23-2420	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	182.13	80.33
		<i>For Work In Restricted Working Space, Add</i>	36.13	
23 21 13 23-2421	EA	3" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	211.13	95.43
		<i>For Work In Restricted Working Space, Add</i>	42.91	
23 21 13 23-2422	EA	4" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	276.95	127.24
		<i>For Work In Restricted Working Space, Add</i>	57.21	
23 21 13 23-2423	EA	6" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	381.57	164.08
		<i>For Work In Restricted Working Space, Add</i>	73.79	
23 21 13 23-2424	EA	8" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	610.90	203.44
		<i>For Work In Restricted Working Space, Add</i>	91.49	
23 21 13 23-2425	EA	10" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	1,067.64	252.18
		<i>For Work In Restricted Working Space, Add</i>	113.42	

23 21 13 23-2426 Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe And Fittings (23 21 13 23-2263)

Note: ASTM D1785 with D2467 fittings.

23 21 13 23-2427 Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe (23 21 13 23-2426)

23 21 13 23-2428	LF	1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	5.64	3.32
		<i>For Work In Restricted Working Space, Add</i>	1.47	
23 21 13 23-2429	LF	3/4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	7.06	4.12
		<i>For Work In Restricted Working Space, Add</i>	1.84	
23 21 13 23-2430	LF	1" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	8.73	4.92
		<i>For Work In Restricted Working Space, Add</i>	2.21	
23 21 13 23-2431	LF	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	10.46	5.72
		<i>For Work In Restricted Working Space, Add</i>	2.58	
23 21 13 23-2432	LF	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	12.04	6.52
		<i>For Work In Restricted Working Space, Add</i>	2.95	
23 21 13 23-2433	LF	2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	15.53	8.24
		<i>For Work In Restricted Working Space, Add</i>	3.69	
23 21 13 23-2434	LF	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	18.34	9.04
		<i>For Work In Restricted Working Space, Add</i>	4.06	
23 21 13 23-2435	LF	3" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	21.14	9.84
		<i>For Work In Restricted Working Space, Add</i>	4.43	
23 21 13 23-2436	LF	4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	27.82	12.35
		<i>For Work In Restricted Working Space, Add</i>	5.54	
23 21 13 23-2437	LF	6" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	42.40	16.36
		<i>For Work In Restricted Working Space, Add</i>	7.38	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2438	LF	8" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	56.46	19.56
		For Work In Restricted Working Space, Add	8.80	
23 21 13 23-2439	LF	10" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	115.12	21.05
		For Work In Restricted Working Space, Add	9.48	
23 21 13 23-2440 Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows (23 21 13 23-2426)				
23 21 13 23-2441	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	21.46	12.35
		For Work In Restricted Working Space, Add	5.54	
		For Threaded Fittings, Add	2.77	
23 21 13 23-2442	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	28.52	16.36
		For Work In Restricted Working Space, Add	7.38	
		For Threaded Fittings, Add	3.69	
23 21 13 23-2443	EA	1" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	36.84	20.37
		For Work In Restricted Working Space, Add	9.15	
		For Threaded Fittings, Add	4.58	
23 21 13 23-2444	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	51.58	28.84
		For Work In Restricted Working Space, Add	12.95	
		For Threaded Fittings, Add	6.48	
23 21 13 23-2445	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	57.68	32.49
		For Work In Restricted Working Space, Add	14.61	
		For Threaded Fittings, Add	7.30	
23 21 13 23-2446	EA	2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	72.76	41.30
		For Work In Restricted Working Space, Add	18.56	
		For Threaded Fittings, Add	9.28	
23 21 13 23-2447	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	117.09	61.10
		For Work In Restricted Working Space, Add	27.46	
		For Threaded Fittings, Add	13.73	
23 21 13 23-2448	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	149.16	80.33
		For Work In Restricted Working Space, Add	36.13	
		For Threaded Fittings, Add	18.07	
23 21 13 23-2449	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	186.65	95.43
		For Work In Restricted Working Space, Add	42.91	
		For Threaded Fittings, Add	21.45	
23 21 13 23-2450	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	321.06	109.04
		For Work In Restricted Working Space, Add	49.04	
		For Threaded Fittings, Add	24.52	
23 21 13 23-2451	EA	8" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	533.29	127.24
		For Work In Restricted Working Space, Add	57.21	
		For Threaded Fittings, Add	28.61	
23 21 13 23-2452	EA	10" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	670.48	189.71
		For Work In Restricted Working Space, Add	85.31	
		For Threaded Fittings, Add	42.65	
23 21 13 23-2453 Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows (23 21 13 23-2426)				
23 21 13 23-2454	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	24.20	12.35
		For Work In Restricted Working Space, Add	5.54	
		For Threaded Fittings, Add	2.77	
23 21 13 23-2455	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	33.35	16.36
		For Work In Restricted Working Space, Add	7.38	
		For Threaded Fittings, Add	3.69	
23 21 13 23-2456	EA	1" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	43.66	20.37
		For Work In Restricted Working Space, Add	9.15	
		For Threaded Fittings, Add	4.58	
23 21 13 23-2457	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	59.99	28.84
		For Work In Restricted Working Space, Add	12.95	
		For Threaded Fittings, Add	6.48	
23 21 13 23-2458	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	68.50	32.49
		For Work In Restricted Working Space, Add	14.61	
		For Threaded Fittings, Add	7.30	
23 21 13 23-2459	EA	2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	87.58	41.30
		For Work In Restricted Working Space, Add	18.56	
		For Threaded Fittings, Add	9.28	
23 21 13 23-2460	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	145.65	61.10
		For Work In Restricted Working Space, Add	27.46	
		For Threaded Fittings, Add	13.73	
23 21 13 23-2461	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	186.30	80.33
		For Work In Restricted Working Space, Add	36.13	
		For Threaded Fittings, Add	18.07	
23 21 13 23-2462	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	261.67	95.43
		For Work In Restricted Working Space, Add	42.91	
		For Threaded Fittings, Add	21.45	
23 21 13 23-2463	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	312.83	109.04
		For Work In Restricted Working Space, Add	49.04	
		For Threaded Fittings, Add	24.52	
23 21 13 23-2464	EA	8" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	514.57	127.24
		For Work In Restricted Working Space, Add	57.21	
		For Threaded Fittings, Add	28.61	
23 21 13 23-2465	EA	10" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	649.44	189.71
		For Work In Restricted Working Space, Add	85.31	
		For Threaded Fittings, Add	42.65	
23 21 13 23-2466 Schedule 80 Polyvinyl Chloride (PVC) Tees (23 21 13 23-2426)				
23 21 13 23-2467	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees	37.55	19.34
		For Work In Restricted Working Space, Add	8.69	
		For Threaded Fittings, Add	4.35	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 21 13 23-2468	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Tees.....	45.90	24.60
		<i>For Work In Restricted Working Space, Add</i>	11.07	
		<i>For Threaded Fittings, Add</i>	5.54	
23 21 13 23-2469	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Tees.....	59.93	32.49
		<i>For Work In Restricted Working Space, Add</i>	14.61	
		<i>For Threaded Fittings, Add</i>	7.30	
23 21 13 23-2470	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Tees	92.91	41.30
		<i>For Work In Restricted Working Space, Add</i>	18.56	
		<i>For Threaded Fittings, Add</i>	9.28	
23 21 13 23-2471	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees	104.88	49.21
		<i>For Work In Restricted Working Space, Add</i>	22.15	
		<i>For Threaded Fittings, Add</i>	11.07	
23 21 13 23-2472	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Tees.....	130.41	61.10
		<i>For Work In Restricted Working Space, Add</i>	27.46	
		<i>For Threaded Fittings, Add</i>	13.73	
23 21 13 23-2473	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees	162.74	80.33
		<i>For Work In Restricted Working Space, Add</i>	36.13	
		<i>For Threaded Fittings, Add</i>	18.07	
23 21 13 23-2474	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Tees.....	195.82	95.43
		<i>For Work In Restricted Working Space, Add</i>	42.91	
		<i>For Threaded Fittings, Add</i>	21.45	
23 21 13 23-2475	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Tees.....	251.89	127.24
		<i>For Work In Restricted Working Space, Add</i>	57.21	
		<i>For Threaded Fittings, Add</i>	28.61	
23 21 13 23-2476	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Tees.....	455.13	164.08
		<i>For Work In Restricted Working Space, Add</i>	73.82	
		<i>For Threaded Fittings, Add</i>	36.91	
23 21 13 23-2477	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Tees.....	790.02	203.56
		<i>For Work In Restricted Working Space, Add</i>	91.54	
		<i>For Threaded Fittings, Add</i>	45.77	
23 21 13 23-2478	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Tees.....	1,882.96	304.13
		<i>For Work In Restricted Working Space, Add</i>	136.80	
		<i>For Threaded Fittings, Add</i>	68.40	

23 21 13 23-2479 Schedule 80 Polyvinyl Chloride (PVC) Crosses (23 21 13 23-2426)

23 21 13 23-2480	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses	49.65	24.14
		<i>For Work In Restricted Working Space, Add</i>	10.86	
		<i>For Threaded Fittings, Add</i>	5.43	
23 21 13 23-2481	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Crosses	60.22	30.78
		<i>For Work In Restricted Working Space, Add</i>	13.84	
		<i>For Threaded Fittings, Add</i>	6.92	
23 21 13 23-2482	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Crosses	78.49	40.62
		<i>For Work In Restricted Working Space, Add</i>	18.26	
		<i>For Threaded Fittings, Add</i>	9.13	
23 21 13 23-2483	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Crosses	125.99	51.60
		<i>For Work In Restricted Working Space, Add</i>	23.19	
		<i>For Threaded Fittings, Add</i>	11.60	
23 21 13 23-2484	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses	140.96	61.56
		<i>For Work In Restricted Working Space, Add</i>	27.68	
		<i>For Threaded Fittings, Add</i>	13.84	
23 21 13 23-2485	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Crosses	175.37	76.32
		<i>For Work In Restricted Working Space, Add</i>	34.33	
		<i>For Threaded Fittings, Add</i>	17.16	
23 21 13 23-2486	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses	216.87	100.47
		<i>For Work In Restricted Working Space, Add</i>	45.17	
		<i>For Threaded Fittings, Add</i>	22.58	
23 21 13 23-2487	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Crosses	261.53	119.22
		<i>For Work In Restricted Working Space, Add</i>	53.63	
		<i>For Threaded Fittings, Add</i>	26.82	
23 21 13 23-2488	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Crosses	334.31	159.04
		<i>For Work In Restricted Working Space, Add</i>	71.51	
		<i>For Threaded Fittings, Add</i>	35.76	
23 21 13 23-2489	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Crosses	635.18	205.04
		<i>For Work In Restricted Working Space, Add</i>	92.24	
		<i>For Threaded Fittings, Add</i>	46.12	
23 21 13 23-2490	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Crosses	1,141.32	254.24
		<i>For Work In Restricted Working Space, Add</i>	114.36	
		<i>For Threaded Fittings, Add</i>	57.18	
23 21 13 23-2491	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Crosses	2,807.19	380.33
		<i>For Work In Restricted Working Space, Add</i>	171.08	
		<i>For Threaded Fittings, Add</i>	85.54	

23 21 13 23-2492 Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts (23 21 13 23-2426)

23 21 13 23-2493	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts.....	26.36	16.36
		<i>For Work In Restricted Working Space, Add</i>	7.38	
23 21 13 23-2494	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts.....	35.59	20.37
		<i>For Work In Restricted Working Space, Add</i>	9.15	
23 21 13 23-2495	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts.....	51.16	28.84
		<i>For Work In Restricted Working Space, Add</i>	12.95	
23 21 13 23-2496	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts.....	59.60	32.49
		<i>For Work In Restricted Working Space, Add</i>	14.61	
23 21 13 23-2497	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts.....	77.42	41.30
		<i>For Work In Restricted Working Space, Add</i>	18.56	
23 21 13 23-2498	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts.....	118.50	61.10
		<i>For Work In Restricted Working Space, Add</i>	27.46	
23 21 13 23-2499	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts.....	163.31	80.33
		<i>For Work In Restricted Working Space, Add</i>	36.13	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2500	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts.....	202.47	95.43
		<i>For Work In Restricted Working Space, Add</i>	42.91	
23 21 13 23-2501	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts.....	229.39	109.04
		<i>For Work In Restricted Working Space, Add</i>	49.04	
23 21 13 23-2502	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts.....	337.05	127.24
		<i>For Work In Restricted Working Space, Add</i>	57.21	
23 21 13 23-2503	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts.....	534.56	147.72
		<i>For Work In Restricted Working Space, Add</i>	66.46	
23 21 13 23-2504		Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts (23 21 13 23-2426)		
23 21 13 23-2505	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	19.04	12.35
		<i>For Work In Restricted Working Space, Add</i>	5.54	
23 21 13 23-2506	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	27.86	16.36
		<i>For Work In Restricted Working Space, Add</i>	7.38	
23 21 13 23-2507	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	35.59	20.37
		<i>For Work In Restricted Working Space, Add</i>	9.15	
23 21 13 23-2508	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	53.49	28.84
		<i>For Work In Restricted Working Space, Add</i>	12.95	
23 21 13 23-2509	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	61.68	32.49
		<i>For Work In Restricted Working Space, Add</i>	14.61	
23 21 13 23-2510	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	77.75	41.30
		<i>For Work In Restricted Working Space, Add</i>	18.56	
23 21 13 23-2511	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	125.16	61.10
		<i>For Work In Restricted Working Space, Add</i>	27.46	
23 21 13 23-2512	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	182.71	80.33
		<i>For Work In Restricted Working Space, Add</i>	36.13	
23 21 13 23-2513	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	238.77	95.43
		<i>For Work In Restricted Working Space, Add</i>	42.91	
23 21 13 23-2514		Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters (23 21 13 23-2426)		
23 21 13 23-2515	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	25.54	12.35
		<i>For Work In Restricted Working Space, Add</i>	5.54	
23 21 13 23-2516	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	32.44	16.36
		<i>For Work In Restricted Working Space, Add</i>	7.38	
23 21 13 23-2517	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	44.16	20.37
		<i>For Work In Restricted Working Space, Add</i>	9.15	
23 21 13 23-2518	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	59.16	28.84
		<i>For Work In Restricted Working Space, Add</i>	12.95	
23 21 13 23-2519	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	71.67	32.49
		<i>For Work In Restricted Working Space, Add</i>	14.61	
23 21 13 23-2520	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	91.82	41.30
		<i>For Work In Restricted Working Space, Add</i>	18.56	
23 21 13 23-2521	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	125.66	61.10
		<i>For Work In Restricted Working Space, Add</i>	27.46	
23 21 13 23-2522	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	158.32	80.33
		<i>For Work In Restricted Working Space, Add</i>	36.13	
23 21 13 23-2523	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	210.38	95.43
		<i>For Work In Restricted Working Space, Add</i>	42.91	
23 21 13 23-2524		Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters (23 21 13 23-2426)		
23 21 13 23-2525	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	23.62	12.35
		<i>For Work In Restricted Working Space, Add</i>	5.54	
23 21 13 23-2526	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	32.27	16.36
		<i>For Work In Restricted Working Space, Add</i>	7.38	
23 21 13 23-2527	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	41.83	20.37
		<i>For Work In Restricted Working Space, Add</i>	9.15	
23 21 13 23-2528	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	61.57	28.84
		<i>For Work In Restricted Working Space, Add</i>	12.95	
23 21 13 23-2529	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	71.25	32.49
		<i>For Work In Restricted Working Space, Add</i>	14.61	
23 21 13 23-2530	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	101.14	41.30
		<i>For Work In Restricted Working Space, Add</i>	18.56	
23 21 13 23-2531	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	153.64	61.10
		<i>For Work In Restricted Working Space, Add</i>	27.46	
23 21 13 23-2532	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	190.37	80.33
		<i>For Work In Restricted Working Space, Add</i>	36.13	
23 21 13 23-2533	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	263.24	95.43
		<i>For Work In Restricted Working Space, Add</i>	42.91	
23 21 13 23-2534		Schedule 80 Polyvinyl Chloride (PVC) Couplings (23 21 13 23-2426)		
23 21 13 23-2535	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings.....	23.95	12.35
		<i>For Work In Restricted Working Space, Add</i>	5.54	
		<i>For Threaded Fittings, Add</i>	2.77	
23 21 13 23-2536	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Couplings.....	32.02	16.36
		<i>For Work In Restricted Working Space, Add</i>	7.38	
		<i>For Threaded Fittings, Add</i>	3.69	
23 21 13 23-2537	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Couplings	38.17	20.37
		<i>For Work In Restricted Working Space, Add</i>	9.15	
		<i>For Threaded Fittings, Add</i>	4.58	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 21 13 23-2538	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Couplings	54.91	28.84
		<i>For Work In Restricted Working Space, Add</i>	12.95	
		<i>For Threaded Fittings, Add</i>	6.48	
23 21 13 23-2539	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings	61.34	32.49
		<i>For Work In Restricted Working Space, Add</i>	14.61	
		<i>For Threaded Fittings, Add</i>	7.30	
23 21 13 23-2540	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Couplings.....	75.34	41.30
		<i>For Work In Restricted Working Space, Add</i>	18.56	
		<i>For Threaded Fittings, Add</i>	9.28	
23 21 13 23-2541	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings	124.91	61.10
		<i>For Work In Restricted Working Space, Add</i>	27.46	
		<i>For Threaded Fittings, Add</i>	13.73	
23 21 13 23-2542	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Couplings.....	158.82	80.33
		<i>For Work In Restricted Working Space, Add</i>	36.13	
		<i>For Threaded Fittings, Add</i>	18.07	
23 21 13 23-2543	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Couplings.....	191.15	95.43
		<i>For Work In Restricted Working Space, Add</i>	42.91	
		<i>For Threaded Fittings, Add</i>	21.45	
23 21 13 23-2544	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Couplings.....	266.94	109.04
		<i>For Work In Restricted Working Space, Add</i>	49.04	
		<i>For Threaded Fittings, Add</i>	24.52	
23 21 13 23-2545	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Couplings.....	331.56	127.24
		<i>For Work In Restricted Working Space, Add</i>	57.21	
		<i>For Threaded Fittings, Add</i>	28.61	
23 21 13 23-2546	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Couplings.....	620.66	136.39
		<i>For Work In Restricted Working Space, Add</i>	61.32	
		<i>For Threaded Fittings, Add</i>	30.66	

23 21 13 23-2547 Schedule 80 Polyvinyl Chloride (PVC) Unions (23 21 13 23-2426)

23 21 13 23-2548	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions	42.83	20.37
		<i>For Work In Restricted Working Space, Add</i>	9.15	
23 21 13 23-2549	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Unions	51.15	24.60
		<i>For Work In Restricted Working Space, Add</i>	11.07	
23 21 13 23-2550	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Unions	64.92	32.49
		<i>For Work In Restricted Working Space, Add</i>	14.61	
23 21 13 23-2551	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Unions	102.48	41.30
		<i>For Work In Restricted Working Space, Add</i>	18.56	
23 21 13 23-2552	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions	126.10	49.21
		<i>For Work In Restricted Working Space, Add</i>	22.15	
23 21 13 23-2553	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Unions	162.38	61.10
		<i>For Work In Restricted Working Space, Add</i>	27.46	
23 21 13 23-2554	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions	252.35	80.33
		<i>For Work In Restricted Working Space, Add</i>	36.13	
23 21 13 23-2555	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Unions	313.06	95.43
		<i>For Work In Restricted Working Space, Add</i>	42.91	
23 21 13 23-2556	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Unions	396.58	127.24
		<i>For Work In Restricted Working Space, Add</i>	57.21	
23 21 13 23-2557	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Unions	521.27	164.08
		<i>For Work In Restricted Working Space, Add</i>	73.79	
23 21 13 23-2558	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Unions	759.17	203.44
		<i>For Work In Restricted Working Space, Add</i>	91.49	
23 21 13 23-2559	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Unions	1,126.75	252.18
		<i>For Work In Restricted Working Space, Add</i>	113.42	

23 21 13 23-2560 Schedule 80 Polyvinyl Chloride (PVC) Threaded Unions (23 21 13 23-2426)

23 21 13 23-2561	EA	1/2", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union.....	45.83	25.42
23 21 13 23-2562	EA	3/4", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union.....	54.82	29.41
23 21 13 23-2563	EA	1", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union.....	66.47	34.67
23 21 13 23-2564	EA	1-1/4", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union.....	89.35	41.30
23 21 13 23-2565	EA	1-1/2", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union.....	107.72	49.21
23 21 13 23-2566	EA	2", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union.....	143.30	61.10
23 21 13 23-2567	EA	3", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union.....	308.68	118.43
23 21 13 23-2568	EA	4", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union.....	334.47	131.36

23 21 13 23-2569 Schedule 80 Polyvinyl Chloride (PVC) Caps (23 21 13 23-2426)

23 21 13 23-2570	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps	16.05	5.49
		<i>For Work In Restricted Working Space, Add</i>	2.49	
		<i>For Threaded Fittings, Add</i>	1.25	
23 21 13 23-2571	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Caps	19.24	7.32
		<i>For Work In Restricted Working Space, Add</i>	3.32	
		<i>For Threaded Fittings, Add</i>	1.66	
23 21 13 23-2572	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Caps	28.22	9.04
		<i>For Work In Restricted Working Space, Add</i>	4.12	
		<i>For Threaded Fittings, Add</i>	2.06	
23 21 13 23-2573	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Caps	36.91	12.82
		<i>For Work In Restricted Working Space, Add</i>	5.83	
		<i>For Threaded Fittings, Add</i>	2.91	
23 21 13 23-2574	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps	39.39	14.42
		<i>For Work In Restricted Working Space, Add</i>	6.57	
		<i>For Threaded Fittings, Add</i>	3.29	
23 21 13 23-2575	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Caps	54.05	18.43
		<i>For Work In Restricted Working Space, Add</i>	8.35	
		<i>For Threaded Fittings, Add</i>	4.17	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2576	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	95.05 12.36 6.18	27.24
23 21 13 23-2577	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Caps..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	120.05 16.26 8.13	35.81
23 21 13 23-2578	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Caps..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	170.26 19.31 9.65	42.45
23 21 13 23-2579	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Caps..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	336.64 22.07 11.03	48.51
23 21 13 23-2580	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Caps..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	447.22 25.75 12.87	56.64
23 21 13 23-2581	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Caps..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	793.39 38.39 19.19	84.45
23 21 13 23-2582 Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges (23 21 13 23-2426)				
23 21 13 23-2583	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	54.40 9.15 4.58	20.37
23 21 13 23-2584	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	62.55 11.07 5.54	24.60
23 21 13 23-2585	EA	1" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	77.25 14.61 7.30	32.49
23 21 13 23-2586	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	91.24 18.56 9.28	41.30
23 21 13 23-2587	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	103.87 22.15 11.07	49.21
23 21 13 23-2588	EA	2" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	131.49 27.46 13.73	61.10
23 21 13 23-2589	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	182.13 36.13 18.07	80.33
23 21 13 23-2590	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	211.13 42.91 21.45	95.43
23 21 13 23-2591	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	276.95 57.21 28.61	127.24
23 21 13 23-2592	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	381.58 73.79 36.89	164.08
23 21 13 23-2593	EA	8" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	610.91 91.49 45.74	203.44
23 21 13 23-2594	EA	10" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	1,067.64 113.42 56.71	252.18
23 21 13 23-2595 Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe (23 21 13 23-2263)				
Note: In place pipe.				
23 21 13 23-2596	EA	1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	6.21 1.86	
23 21 13 23-2597	EA	3/4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	6.71 2.01	
23 21 13 23-2598	EA	1", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	7.55 2.27	
23 21 13 23-2599	EA	1-1/4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	7.92 2.38	
23 21 13 23-2600	EA	1-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	8.38 2.51	
23 21 13 23-2601	EA	2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	9.23 2.77	
23 21 13 23-2602	EA	2-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	9.94 2.98	
23 21 13 23-2603	EA	3", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	11.74 3.52	
23 21 13 23-2604	EA	4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	15.84 4.75	
23 21 13 23-2605	EA	6", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	22.64 6.79	
23 21 13 23-2606	EA	8", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	30.19 9.06	
23 21 13 23-2607	EA	10", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	36.92 11.08	
23 21 13 23-2608 Polyethylene Pipe And Fittings (23 21 13 23)				

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 21 13 23-2609	Small Diameter Tubing (23 21 13 23-2608)		
23 21 13 23-2610	Tubing (23 21 13 23-2609)		
23 21 13 23-2611	LF 1/4" Polyethylene Tubing.....	3.72	
	For Work In Restricted Working Space, Add.....	1.04	
23 21 13 23-2612	LF 5/16" Polyethylene Tubing.....	4.02	
	For Work In Restricted Working Space, Add.....	1.06	
23 21 13 23-2613	LF 3/8" Polyethylene Tubing.....	4.23	
	For Work In Restricted Working Space, Add.....	1.08	
23 21 13 23-2614	LF 1/2" Polyethylene Tubing.....	4.37	
	For Work In Restricted Working Space, Add.....	1.16	
23 21 13 23-2615	Chrome Plated Pipe (23 21 13 23)		
23 21 13 23-2616	Chrome Plated Nipples (23 21 13 23-2615)		
23 21 13 23-2617	Close (23 21 13 23-2616)		
23 21 13 23-2618	EA 1/4" Diameter Chrome Plated Nipple, Close.....	21.53	9.94
23 21 13 23-2619	EA 3/8" Diameter Chrome Plated Nipple, Close.....	20.79	10.81
23 21 13 23-2620	EA 1/2" Diameter Chrome Plated Nipple, Close.....	25.70	12.43
23 21 13 23-2621	EA 3/4" Diameter Chrome Plated Nipple, Close.....	33.62	15.78
23 21 13 23-2622	EA 1" Diameter Chrome Plated Nipple, Close.....	44.97	20.75
23 21 13 23-2623	EA 1-1/4" Diameter Chrome Plated Nipple, Close.....	63.64	28.95
23 21 13 23-2624	EA 1-1/2" Diameter Chrome Plated Nipple, Close.....	77.43	33.93
23 21 13 23-2625	EA 2" Diameter Chrome Plated Nipple, Close.....	99.56	42.25
23 21 13 23-2626	1-1/2" Nipples (23 21 13 23-2616)		
23 21 13 23-2627	EA 1/4" Diameter, 1-1/2" Length, Chrome Plated Nipple.....	22.96	10.32
23 21 13 23-2628	EA 3/8" Diameter, 1-1/2" Length, Chrome Plated Nipple.....	21.92	11.18
23 21 13 23-2629	EA 1/2" Diameter, 1-1/2" Length, Chrome Plated Nipple.....	26.35	12.80
23 21 13 23-2630	EA 3/4" Diameter, 1-1/2" Length, Chrome Plated Nipple.....	34.80	16.15
23 21 13 23-2631	2" Nipples (23 21 13 23-2616)		
23 21 13 23-2632	EA 1/4" Diameter, 2" Length, Chrome Plated Nipple.....	23.88	10.81
23 21 13 23-2633	EA 3/8" Diameter, 2" Length, Chrome Plated Nipple.....	22.68	11.55
23 21 13 23-2634	EA 1/2" Diameter, 2" Length, Chrome Plated Nipple.....	28.30	13.29
23 21 13 23-2635	EA 3/4" Diameter, 2" Length, Chrome Plated Nipple.....	36.46	16.53
23 21 13 23-2636	EA 1" Diameter, 2" Length, Chrome Plated Nipple.....	47.50	21.50
23 21 13 23-2637	EA 1-1/4" Diameter, 2" Length, Chrome Plated Nipple.....	67.70	29.82
23 21 13 23-2638	EA 1-1/2" Diameter, 2" Length, Chrome Plated Nipple.....	82.12	34.79
23 21 13 23-2639	2-1/2" Nipples (23 21 13 23-2616)		
23 21 13 23-2640	EA 1/4" Diameter, 2-1/2" Length, Chrome Plated Nipple.....	25.22	11.18
23 21 13 23-2641	EA 3/8" Diameter, 2-1/2" Length, Chrome Plated Nipple.....	23.52	12.06
23 21 13 23-2642	EA 1/2" Diameter, 2-1/2" Length, Chrome Plated Nipple.....	29.49	13.67
23 21 13 23-2643	EA 3/4" Diameter, 2-1/2" Length, Chrome Plated Nipple.....	37.34	17.03
23 21 13 23-2644	EA 1" Diameter, 2-1/2" Length, Chrome Plated Nipple.....	48.82	21.99
23 21 13 23-2645	EA 1-1/4" Diameter, 2-1/2" Length, Chrome Plated Nipple.....	71.56	30.19
23 21 13 23-2646	EA 1-1/2" Diameter, 2-1/2" Length, Chrome Plated Nipple.....	87.24	35.16
23 21 13 23-2647	EA 2" Diameter, 2-1/2" Length, Chrome Plated Nipple.....	110.78	43.49
23 21 13 23-2648	3" Nipples (23 21 13 23-2616)		
23 21 13 23-2649	EA 1/4" Diameter, 3" Length, Chrome Plated Nipple.....	26.27	11.55
23 21 13 23-2650	EA 3/8" Diameter, 3" Length, Chrome Plated Nipple.....	24.86	12.43
23 21 13 23-2651	EA 1/2" Diameter, 3" Length, Chrome Plated Nipple.....	29.08	13.29
23 21 13 23-2652	EA 3/4" Diameter, 3" Length, Chrome Plated Nipple.....	40.17	17.40
23 21 13 23-2653	EA 1" Diameter, 3" Length, Chrome Plated Nipple.....	54.53	22.36
23 21 13 23-2654	EA 1-1/4" Diameter, 3" Length, Chrome Plated Nipple.....	75.77	30.70
23 21 13 23-2655	EA 1-1/2" Diameter, 3" Length, Chrome Plated Nipple.....	99.23	35.67
23 21 13 23-2656	EA 2" Diameter, 3" Length, Chrome Plated Nipple.....	120.18	43.99
23 21 13 23-2657	3-1/2" Nipples (23 21 13 23-2616)		
23 21 13 23-2658	EA 1/4" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	27.45	12.06
23 21 13 23-2659	EA 3/8" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	27.13	12.80
23 21 13 23-2660	EA 1/2" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	32.02	14.54
23 21 13 23-2661	EA 3/4" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	44.32	17.77
23 21 13 23-2662	EA 1" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	56.77	22.74
23 21 13 23-2663	EA 1-1/4" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	83.95	31.07
23 21 13 23-2664	EA 1-1/2" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	102.86	36.04
23 21 13 23-2665	EA 2" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	127.69	44.36
23 21 13 23-2666	4" Nipples (23 21 13 23-2616)		
23 21 13 23-2667	EA 1/4" Diameter, 4" Length, Chrome Plated Nipple.....	28.62	12.43
23 21 13 23-2668	EA 3/8" Diameter, 4" Length, Chrome Plated Nipple.....	27.83	13.29
23 21 13 23-2669	EA 1/2" Diameter, 4" Length, Chrome Plated Nipple.....	32.23	14.04
23 21 13 23-2670	EA 3/4" Diameter, 4" Length, Chrome Plated Nipple.....	46.00	18.27
23 21 13 23-2671	EA 1" Diameter, 4" Length, Chrome Plated Nipple.....	58.90	23.24

MINOR		CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2672	EA	1-1/4" Diameter, 4" Length, Chrome Plated Nipple.....	90.22	31.44	
23 21 13 23-2673	EA	1-1/2" Diameter, 4" Length, Chrome Plated Nipple.....	110.27	36.41	
23 21 13 23-2674	EA	2" Diameter, 4" Length, Chrome Plated Nipple.....	136.83	44.74	
23 21 13 23-2675		4-1/2" Nipples (23 21 13 23-2616)			
23 21 13 23-2676	EA	1/4" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	29.67	12.80	
23 21 13 23-2677	EA	3/8" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	30.09	13.67	
23 21 13 23-2678	EA	1/2" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	35.33	15.29	
23 21 13 23-2679	EA	3/4" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	47.91	18.64	
23 21 13 23-2680	EA	1" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	66.13	23.61	
23 21 13 23-2681	EA	1-1/4" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	96.21	31.93	
23 21 13 23-2682	EA	1-1/2" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	113.60	36.91	
23 21 13 23-2683	EA	2" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	145.25	45.23	
23 21 13 23-2684		5" Nipples (23 21 13 23-2616)			
23 21 13 23-2685	EA	1/4" Diameter, 5" Length, Chrome Plated Nipple.....	33.13	13.29	
23 21 13 23-2686	EA	3/8" Diameter, 5" Length, Chrome Plated Nipple.....	31.53	14.04	
23 21 13 23-2687	EA	1/2" Diameter, 5" Length, Chrome Plated Nipple.....	36.59	15.78	
23 21 13 23-2688	EA	3/4" Diameter, 5" Length, Chrome Plated Nipple.....	49.74	19.01	
23 21 13 23-2689	EA	1" Diameter, 5" Length, Chrome Plated Nipple.....	70.55	23.98	
23 21 13 23-2690	EA	1-1/4" Diameter, 5" Length, Chrome Plated Nipple.....	101.67	32.31	
23 21 13 23-2691	EA	1-1/2" Diameter, 5" Length, Chrome Plated Nipple.....	121.04	37.28	
23 21 13 23-2692	EA	2" Diameter, 5" Length, Chrome Plated Nipple.....	150.71	45.60	
23 21 13 23-2693		5-1/2" Nipples (23 21 13 23-2616)			
23 21 13 23-2694	EA	1/4" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	34.20	13.67	
23 21 13 23-2695	EA	3/8" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	32.67	14.54	
23 21 13 23-2696	EA	1/2" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	40.03	16.15	
23 21 13 23-2697	EA	3/4" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	51.58	19.50	
23 21 13 23-2698	EA	1" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	72.88	24.48	
23 21 13 23-2699	EA	1-1/4" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	108.28	32.68	
23 21 13 23-2700	EA	1-1/2" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	126.98	37.65	
23 21 13 23-2701	EA	2" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	157.64	45.97	
23 21 13 23-2702		6" Nipples (23 21 13 23-2616)			
23 21 13 23-2703	EA	1/4" Diameter, 6" Length, Chrome Plated Nipple.....	35.46	14.04	
23 21 13 23-2704	EA	3/8" Diameter, 6" Length, Chrome Plated Nipple.....	33.33	14.92	
23 21 13 23-2705	EA	1/2" Diameter, 6" Length, Chrome Plated Nipple.....	41.19	16.53	
23 21 13 23-2706	EA	3/4" Diameter, 6" Length, Chrome Plated Nipple.....	53.07	19.89	
23 21 13 23-2707	EA	1" Diameter, 6" Length, Chrome Plated Nipple.....	79.90	24.85	
23 21 13 23-2708	EA	1-1/4" Diameter, 6" Length, Chrome Plated Nipple.....	112.37	33.18	
23 21 13 23-2709	EA	1-1/2" Diameter, 6" Length, Chrome Plated Nipple.....	136.10	38.15	
23 21 13 23-2710	EA	2" Diameter, 6" Length, Chrome Plated Nipple.....	163.99	46.48	
23 21 13 23-2711		8" Nipples (23 21 13 23-2616)			
23 21 13 23-2712	EA	3/8" Diameter, 8" Length, Chrome Plated Nipple.....	39.60	15.78	
23 21 13 23-2713	EA	1/2" Diameter, 8" Length, Chrome Plated Nipple.....	58.10	17.40	
23 21 13 23-2714	EA	3/4" Diameter, 8" Length, Chrome Plated Nipple.....	70.62	20.75	
23 21 13 23-2715	EA	1" Diameter, 8" Length, Chrome Plated Nipple.....	93.72	25.72	
23 21 13 23-2716	EA	1-1/4" Diameter, 8" Length, Chrome Plated Nipple.....	134.25	33.93	
23 21 13 23-2717	EA	1-1/2" Diameter, 8" Length, Chrome Plated Nipple.....	164.70	38.90	
23 21 13 23-2718	EA	2" Diameter, 8" Length, Chrome Plated Nipple.....	202.89	47.22	
23 21 13 23-2719		10" Nipples (23 21 13 23-2616)			
23 21 13 23-2720	EA	3/8" Diameter, 10" Length, Chrome Plated Nipple.....	45.52	15.78	
23 21 13 23-2721	EA	1/2" Diameter, 10" Length, Chrome Plated Nipple.....	65.56	17.40	
23 21 13 23-2722	EA	3/4" Diameter, 10" Length, Chrome Plated Nipple.....	79.24	20.75	
23 21 13 23-2723	EA	1" Diameter, 10" Length, Chrome Plated Nipple.....	106.77	25.72	
23 21 13 23-2724	EA	1-1/4" Diameter, 10" Length, Chrome Plated Nipple.....	162.18	33.93	
23 21 13 23-2725	EA	1-1/2" Diameter, 10" Length, Chrome Plated Nipple.....	185.97	38.90	
23 21 13 23-2726	EA	2" Diameter, 10" Length, Chrome Plated Nipple.....	236.90	47.22	
23 21 13 23-2727		12" Nipples (23 21 13 23-2616)			
23 21 13 23-2728	EA	3/8" Diameter, 12" Length, Chrome Plated Nipple.....	50.78	17.40	
23 21 13 23-2729	EA	1/2" Diameter, 12" Length, Chrome Plated Nipple.....	68.62	18.27	
23 21 13 23-2730	EA	3/4" Diameter, 12" Length, Chrome Plated Nipple.....	87.42	21.50	
23 21 13 23-2731	EA	1" Diameter, 12" Length, Chrome Plated Nipple.....	125.14	27.33	
23 21 13 23-2732	EA	1-1/4" Diameter, 12" Length, Chrome Plated Nipple.....	181.78	35.67	
23 21 13 23-2733	EA	2" Diameter, 12" Length, Chrome Plated Nipple.....	266.62	48.96	
23 21 13 23-2734		18" Nipples (23 21 13 23-2616)			
23 21 13 23-2735	EA	3/8" Diameter, 18" Length, Chrome Plated Nipple.....	64.47	18.27	
23 21 13 23-2736		24" Nipples (23 21 13 23-2616)			

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 21 13 23-2737	EA	3/8" Diameter, 24" Length, Chrome Plated Nipple.....	77.58	19.01
23 21 13 23-2738		30" Nipples (23 21 13 23-2616)		
23 21 13 23-2739	EA	3/8" Diameter, 30" Length, Chrome Plated Nipple.....	85.95	19.89
23 21 13 23-2740		36" Nipples (23 21 13 23-2616)		
23 21 13 23-2741	EA	3/8" Diameter, 36" Length, Chrome Plated Nipple.....	94.36	20.75
23 21 13 23-2742		Chrome Plated Fittings (23 21 13 23-2615)		
23 21 13 23-2743		Chrome Plated 90 Degree Elbows (23 21 13 23-2742)		
23 21 13 23-2744	EA	1/4" 90 Degree Elbow, Chrome Plated	27.34	11.55
23 21 13 23-2745	EA	3/8" 90 Degree Elbow, Chrome Plated	27.94	12.43
23 21 13 23-2746	EA	1/2" 90 Degree Elbow, Chrome Plated	31.37	13.29
23 21 13 23-2747	EA	3/4" 90 Degree Elbow, Chrome Plated	40.09	17.40
23 21 13 23-2748	EA	1" 90 Degree Elbow, Chrome Plated	54.32	22.36
23 21 13 23-2749	EA	1-1/4" 90 Degree Elbow, Chrome Plated.....	83.21	30.70
23 21 13 23-2750	EA	1-1/2" 90 Degree Elbow, Chrome Plated.....	99.85	35.67
23 21 13 23-2751	EA	2" 90 Degree Elbow, Chrome Plated	136.26	43.99
23 21 13 23-2752		Chrome Plated Street 90 Degree Elbows (23 21 13 23-2742)		
23 21 13 23-2753	EA	1/4" Street 90 Degree Elbow, Chrome Plated.....	31.50	11.55
23 21 13 23-2754	EA	3/8" Street 90 Degree Elbow, Chrome Plated.....	32.51	12.43
23 21 13 23-2755	EA	1/2" Street 90 Degree Elbow, Chrome Plated.....	34.55	13.29
23 21 13 23-2756	EA	3/4" Street 90 Degree Elbow, Chrome Plated.....	44.78	17.40
23 21 13 23-2757	EA	1" Street 90 Degree Elbow, Chrome Plated	62.96	22.36
23 21 13 23-2758	EA	1-1/4" Street 90 Degree Elbow, Chrome Plated.....	92.07	30.70
23 21 13 23-2759	EA	1-1/2" Street 90 Degree Elbow, Chrome Plated.....	112.27	35.67
23 21 13 23-2760	EA	2" Street 90 Degree Elbow, Chrome Plated.....	165.47	43.99
23 21 13 23-2761		Chrome Plated 45 Degree Elbows (23 21 13 23-2742)		
23 21 13 23-2762	EA	1/4" 45 Degree Elbow, Chrome Plated	28.25	11.55
23 21 13 23-2763	EA	3/8" 45 Degree Elbow, Chrome Plated	29.26	12.43
23 21 13 23-2764	EA	1/2" 45 Degree Elbow, Chrome Plated	32.32	13.29
23 21 13 23-2765	EA	3/4" 45 Degree Elbow, Chrome Plated	43.67	17.40
23 21 13 23-2766	EA	1" 45 Degree Elbow, Chrome Plated	58.32	22.36
23 21 13 23-2767	EA	1-1/4" 45 Degree Elbow, Chrome Plated.....	88.02	30.70
23 21 13 23-2768	EA	1-1/2" 45 Degree Elbow, Chrome Plated.....	106.28	35.67
23 21 13 23-2769	EA	2" 45 Degree Elbow, Chrome Plated	153.93	43.99
23 21 13 23-2770		Chrome Plated Street 45 Degree Elbows (23 21 13 23-2742)		
23 21 13 23-2771	EA	1/2" Street 45 Degree Elbow, Chrome Plated.....	38.04	13.29
23 21 13 23-2772		Chrome Plated Couplings (23 21 13 23-2742)		
23 21 13 23-2773	EA	1/4" Coupling, Chrome Plated.....	26.76	11.55
23 21 13 23-2774	EA	3/8" Coupling, Chrome Plated	28.01	12.43
23 21 13 23-2775	EA	1/2" Coupling, Chrome Plated	31.61	13.29
23 21 13 23-2776	EA	3/4" Coupling, Chrome Plated	40.18	17.40
23 21 13 23-2777	EA	1" Coupling, Chrome Plated.....	52.34	22.36
23 21 13 23-2778	EA	1-1/4" Coupling, Chrome Plated	76.01	30.70
23 21 13 23-2779	EA	1-1/2" Coupling, Chrome Plated	93.82	35.67
23 21 13 23-2780	EA	2" Coupling, Chrome Plated.....	128.89	43.99
23 21 13 23-2781		Chrome Plated Unions (23 21 13 23-2742)		
23 21 13 23-2782	EA	1/4" Union, Chrome Plated	42.51	13.29
23 21 13 23-2783	EA	3/8" Union, Chrome Plated	43.78	14.04
23 21 13 23-2784	EA	1/2" Union, Chrome Plated	52.82	15.78
23 21 13 23-2785	EA	3/4" Union, Chrome Plated	65.59	20.75
23 21 13 23-2786	EA	1" Union, Chrome Plated	82.98	26.47
23 21 13 23-2787	EA	1-1/4" Union, Chrome Plated	133.92	35.67
23 21 13 23-2788	EA	1-1/2" Union, Chrome Plated	166.56	42.25
23 21 13 23-2789	EA	2" Union, Chrome Plated	217.02	51.45
23 21 13 23-2790		Chrome Plated Caps (23 21 13 23-2742)		
23 21 13 23-2791	EA	1/4" Cap, Chrome Plated	17.84	5.84
23 21 13 23-2792	EA	3/8" Cap, Chrome Plated	18.46	6.21
23 21 13 23-2793	EA	1/2" Cap, Chrome Plated	21.03	6.58
23 21 13 23-2794	EA	3/4" Cap, Chrome Plated	26.28	8.70
23 21 13 23-2795	EA	1" Cap, Chrome Plated	31.30	11.18
23 21 13 23-2796	EA	1-1/4" Cap, Chrome Plated	46.11	15.29
23 21 13 23-2797	EA	1-1/2" Cap, Chrome Plated	60.54	17.77
23 21 13 23-2798	EA	2" Cap, Chrome Plated	88.26	23.24

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2799			Chrome Plated Plugs (23 21 13 23-2742)		
23 21 13 23-2800	EA		1/4" Plug, Chrome Plated	14.66	5.84
23 21 13 23-2801	EA		3/8" Plug, Chrome Plated	15.28	6.21
23 21 13 23-2802	EA		1/2" Plug, Chrome Plated	17.69	6.58
23 21 13 23-2803	EA		3/4" Plug, Chrome Plated	23.90	8.70
23 21 13 23-2804	EA		1" Plug, Chrome Plated	29.49	11.18
23 21 13 23-2805	EA		1-1/4" Plug, Chrome Plated	39.84	15.29
23 21 13 23-2806	EA		1-1/2" Plug, Chrome Plated	49.07	17.77
23 21 13 23-2807	EA		2" Plug, Chrome Plated	68.32	23.24
23 21 13 23-2808			Chrome Plated Tees (23 21 13 23-2742)		
23 21 13 23-2809	EA		1/4" Chrome Plated Tee	38.09	17.40
23 21 13 23-2810	EA		3/8" Chrome Plated Tee	40.57	19.01
23 21 13 23-2811	EA		1/2" Chrome Plated Tee	45.18	20.75
23 21 13 23-2812	EA		3/4" Chrome Plated Tee	56.26	25.72
23 21 13 23-2813	EA		1" Chrome Plated Tee	79.71	33.18
23 21 13 23-2814	EA		1-1/4" Chrome Plated Tee	109.88	45.60
23 21 13 23-2815	EA		1-1/2" Chrome Plated Tee	140.23	53.06
23 21 13 23-2816	EA		2" Chrome Plated Tee	191.77	65.49
23 21 13 23-2817			Chrome Plated Reducing 90 Degree Elbows (23 21 13 23-2742)		
23 21 13 23-2818	EA		1/2" x 3/8" Reducing 90 Degree Elbow, Chrome Plated	43.05	20.75
23 21 13 23-2819	EA		3/4" x 1/2" Reducing 90 Degree Elbow, Chrome Plated	50.51	25.72
23 21 13 23-2820			Chrome Plated Bell Reducers (23 21 13 23-2742)		
23 21 13 23-2821	EA		1/2" x 3/8" Bell Reducer, Chrome Plated	46.90	20.75
23 21 13 23-2822	EA		3/4" x 1/2" Bell Reducer, Chrome Plated	57.13	25.72
23 21 13 23-2823	EA		1" x 1/2" Bell Reducer, Chrome Plated	72.63	33.18
23 21 13 23-2824			Chrome Plated Reducing Tees (23 21 13 23-2742)		
23 21 13 23-2825	EA		3/4" x 1/2" Reducing Tee, Chrome Plated	62.00	25.72
23 21 13 23-2826			Chrome Plated Bushings (23 21 13 23-2742)		
23 21 13 23-2827	EA		3/8" x 1/4" Bushing, Chrome Plated	14.56	5.84
23 21 13 23-2828	EA		1/2" x 1/4" Bushing, Chrome Plated	15.68	6.21
23 21 13 23-2829	EA		1/2" x 3/8" Bushing, Chrome Plated	16.30	6.58
23 21 13 23-2830	EA		3/4" x 1/2" Bushing, Chrome Plated	20.74	8.70
23 21 13 23-2831	EA		1" x 3/4" Bushing, Chrome Plated	30.10	11.18
23 21 13 23-2832	EA		1-1/4" x 1" Bushing, Chrome Plated	43.96	15.29
23 21 13 23-2833			Aluminum Tubing Assemblies (23 21 13 23)		
			Note: ASTM B210 (Tubing), ASTM B26 (Fittings). Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.		
23 21 13 23-2834	LF		1/8" Inside Diameter Aluminum Pipe/Tubing Assembly	11.44	4.35
			Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.		
23 21 13 23-2835	LF		3/16" Inside Diameter Aluminum Pipe/Tubing Assembly	13.01	4.97
			Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.		
23 21 13 23-2836	LF		1/4" Inside Diameter Aluminum Pipe/Tubing Assembly	14.47	5.60
			Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.		
23 21 13 23-2837	LF		5/16" Inside Diameter Aluminum Pipe/Tubing Assembly	15.79	6.21
			Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.		
23 21 13 23-2838	LF		3/8" Inside Diameter Aluminum Pipe/Tubing Assembly	17.52	6.83
			Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.		
23 21 13 23-2839	LF		1/2" Inside Diameter Aluminum Pipe/Tubing Assembly	20.27	7.46
			Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.		
23 21 13 23-2840	LF		5/8" Inside Diameter Aluminum Pipe/Tubing Assembly	23.78	8.58
			Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.		
23 21 13 23-2841	LF		3/4" Inside Diameter Aluminum Pipe/Tubing Assembly	29.61	9.73
			Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.		
23 21 13 23-2842	LF		7/8" Inside Diameter Aluminum Pipe/Tubing Assembly	34.47	10.87
			Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.		
23 21 13 23-2843	LF		1" Inside Diameter Aluminum Pipe/Tubing Assembly	41.96	11.44
23 21 16			Hydronic Piping Specialties (23 21)		
23 21 16 00-0001			Vent Valves (23 21 16)		
23 21 16 00-0002	EA		1/8", 1.5 PSIG Operating Pressure, Non-Vacuum Adjustable Angle Radiator Steam Vent Valve (Hoffman 1A)	85.54	18.65
23 21 16 00-0003	EA		1/2" x 3/4", 35 PSIG Operating Pressure, Straight Steam Unit Heater Air Vent Valve (Hoffman 74)	206.84	20.06
23 21 16 00-0004	EA		1/2" x 3/4", 3 PSIG Operating Pressure, Non-Vacuum Main Steam Air Vent Valve (Hoffman 75)	197.17	20.06

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 21 16 00-0005	EA	1/2" x 3/4", 10 PSIG Operating Pressure, Non Vacuum Straight Non-Vacuum Main Steam Air Vent Valve (Hoffman 75H)	203.94	20.06
23 21 16 00-0006	EA	3/4", 150 PSIG Operating Pressure, Straight Water Main Vent Valve (Hoffman 78)	263.19	20.06
23 21 16 00-0007	EA	1/2" x 3/4", 75 PSIG Operating Pressure, Straight Water Main Vent Valve (Hoffman 79)	194.51	20.06

23 21 16 00-0008 Threaded Inlet, Drip-Pan Elbow (23 21 16)**23 21 16 00-0009 Cast Iron, Threaded Inlet, Drip-Pan Elbow (23 21 16 00-0008)**

23 21 16 00-0010	EA	2-1/2" Cast Iron, Threaded Inlet, Drip-Pan Elbow	269.65	31.36
		<i>For Flanged Inlet, Add</i>	98.89	
23 21 16 00-0011	EA	3" Cast Iron, Threaded Inlet, Drip-Pan Elbow	305.99	37.17
		<i>For Flanged Inlet, Add</i>	106.15	
23 21 16 00-0012	EA	3-1/2" Cast Iron, Threaded Inlet, Drip-Pan Elbow	383.98	42.98
		<i>For Flanged Inlet, Add</i>	143.21	
23 21 16 00-0013	EA	4" Cast Iron, Threaded Inlet, Drip-Pan Elbow	567.44	48.79
		<i>For Flanged Inlet, Add</i>	251.98	
23 21 16 00-0014	EA	5" Cast Iron, Threaded Inlet, Drip-Pan Elbow	641.95	58.08
		<i>For Flanged Inlet, Add</i>	278.55	
23 21 16 00-0015	EA	6" Cast Iron, Threaded Inlet, Drip-Pan Elbow	889.02	73.18
		<i>For Flanged Inlet, Add</i>	407.06	
23 21 16 00-0016	EA	8" Cast Iron, Threaded Inlet, Drip-Pan Elbow	1,980.13	96.41
		<i>For Flanged Inlet, Add</i>	1,083.19	

23 21 16 00-0017 Cast Steel, Threaded Inlet, Drip-Pan Elbow (23 21 16 00-0008)

23 21 16 00-0018	EA	2-1/2" Cast Steel, Threaded Inlet, Drip-Pan Elbow	1,227.59	31.36
		<i>For Flanged Inlet, Add</i>	750.28	
23 21 16 00-0019	EA	3" Cast Steel, Threaded Inlet, Drip-Pan Elbow	1,486.85	37.17
		<i>For Flanged Inlet, Add</i>	909.14	
23 21 16 00-0020	EA	3-1/2" Cast Steel, Threaded Inlet, Drip-Pan Elbow	2,165.90	42.98
		<i>For Flanged Inlet, Add</i>	1,354.92	
23 21 16 00-0021	EA	4" Cast Steel, Threaded Inlet, Drip-Pan Elbow	2,189.41	48.79
		<i>For Flanged Inlet, Add</i>	1,354.92	
23 21 16 00-0022	EA	5" Cast Steel, Threaded Inlet, Drip-Pan Elbow	3,205.20	58.08
		<i>For Flanged Inlet, Add</i>	2,021.56	
23 21 16 00-0023	EA	6" Cast Steel, Threaded Inlet, Drip-Pan Elbow	3,263.28	73.18
		<i>For Flanged Inlet, Add</i>	2,021.56	
23 21 16 00-0024	EA	8" Cast Steel, Threaded Inlet, Drip-Pan Elbow	5,492.37	96.41
		<i>For Flanged Inlet, Add</i>	3,471.52	

23 21 16 00-0025 Y-Type Strainers (23 21 16)**23 21 16 00-0026 Screwed Ends, 250 Lb., Iron Body, Y-Type Strainers (23 21 16 00-0025)**

23 21 16 00-0027	EA	1/4" Or 3/8" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer	83.31	13.92
		<i>For Work In Restricted Working Space, Add</i>	11.93	
		<i>For Galvanized Body, Add</i>	21.77	
23 21 16 00-0028	EA	1/2" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer	83.93	14.18
		<i>For Work In Restricted Working Space, Add</i>	12.12	
		<i>For Galvanized Body, Add</i>	21.77	
23 21 16 00-0029	EA	3/4" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer	106.66	19.14
		<i>For Work In Restricted Working Space, Add</i>	16.41	
		<i>For Galvanized Body, Add</i>	25.98	
23 21 16 00-0030	EA	1" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer	135.47	22.87
		<i>For Work In Restricted Working Space, Add</i>	19.58	
		<i>For Galvanized Body, Add</i>	35.11	
23 21 16 00-0031	EA	1-1/4" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer	177.00	28.28
		<i>For Work In Restricted Working Space, Add</i>	24.24	
		<i>For Galvanized Body, Add</i>	48.10	
23 21 16 00-0032	EA	1-1/2" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer	202.87	30.46
		<i>For Work In Restricted Working Space, Add</i>	26.11	
		<i>For Galvanized Body, Add</i>	57.93	
23 21 16 00-0033	EA	2" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer	277.79	34.80
		<i>For Work In Restricted Working Space, Add</i>	29.84	
		<i>For Galvanized Body, Add</i>	89.17	
23 21 16 00-0034	EA	2-1/2" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer	525.23	43.50
		<i>For Work In Restricted Working Space, Add</i>	37.29	
		<i>For Galvanized Body, Add</i>	200.46	
23 21 16 00-0035	EA	3" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer	679.19	54.45
		<i>For Work In Restricted Working Space, Add</i>	46.62	
		<i>For Galvanized Body, Add</i>	261.90	

23 21 16 00-0036 Flanged, 125 Lb., Iron Body, Y-Type Strainers (23 21 16 00-0025)

23 21 16 00-0037	EA	1-1/2" Flanged, 125 Lb., Iron Body, Y-Type Strainer	459.75	130.52
		<i>For Work In Restricted Working Space, Add</i>	49.07	
		<i>For Galvanized Body, Add</i>	148.10	
23 21 16 00-0038	EA	2" Flanged, 125 Lb., Iron Body, Y-Type Strainer	527.72	165.71
		<i>For Work In Restricted Working Space, Add</i>	62.15	
		<i>For Galvanized Body, Add</i>	160.27	
23 21 16 00-0039	EA	3" Flanged, 125 Lb., Iron Body, Y-Type Strainer	1,028.62	211.33
		<i>For Work In Restricted Working Space, Add</i>	79.34	
		<i>For Galvanized Body, Add</i>	382.07	
23 21 16 00-0040	EA	4" Flanged, 125 Lb., Iron Body, Y-Type Strainer	1,311.10	354.28
		<i>For Work In Restricted Working Space, Add</i>	133.19	
		<i>For Galvanized Body, Add</i>	433.57	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0041	EA	5" Flanged, 125 Lb., Iron Body, Y-Type Strainer	1,415.51	356.85
		For Work In Restricted Working Space, Add	133.61	
		For Galvanized Body, Add	485.07	
23 21 16 00-0042	EA	6" Flanged, 125 Lb., Iron Body, Y-Type Strainer	1,702.24	396.50
		For Work In Restricted Working Space, Add	149.22	
		For Galvanized Body, Add	602.43	
23 21 16 00-0043	EA	8" Flanged, 125 Lb., Iron Body, Y-Type Strainer	3,002.32	506.64
		For Work In Restricted Working Space, Add	188.81	
		For Galvanized Body, Add	1,186.48	
23 21 16 00-0044	EA	10" Flanged, 125 Lb., Iron Body, Y-Type Strainer	6,059.87	616.77
		For Work In Restricted Working Space, Add	231.29	
		For Galvanized Body, Add	2,644.46	
23 21 16 00-0045	EA	12" Flanged, 125 Lb., Iron Body, Y-Type Strainer	6,600.67	550.69
		For Work In Restricted Working Space, Add	330.41	
		For Galvanized Body, Add	2,749.65	
23 21 16 00-0046 Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainers (23 21 16 00-0025)				
Note: With screwed cap (4" size has bolted cap).				
23 21 16 00-0047	EA	1/2" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	74.50	14.18
		For Work In Restricted Working Space, Add	12.12	
		For 300 Lb. Rating, Add	57.97	
23 21 16 00-0048	EA	3/4" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	99.03	19.14
		For Work In Restricted Working Space, Add	16.41	
		For 300 Lb. Rating, Add	75.36	
23 21 16 00-0049	EA	1" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	121.10	22.87
		For Work In Restricted Working Space, Add	19.58	
		For 300 Lb. Rating, Add	94.93	
23 21 16 00-0050	EA	1-1/4" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	164.70	28.28
		For Work In Restricted Working Space, Add	24.24	
		For 300 Lb. Rating, Add	142.61	
23 21 16 00-0051	EA	1-1/2" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	195.98	30.46
		For Work In Restricted Working Space, Add	26.11	
		For 300 Lb. Rating, Add	185.23	
23 21 16 00-0052	EA	2" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	261.69	34.80
		For Work In Restricted Working Space, Add	29.84	
		For 300 Lb. Rating, Add	275.81	
23 21 16 00-0053	EA	2-1/2" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	367.72	43.50
		For Work In Restricted Working Space, Add	37.29	
		For 300 Lb. Rating, Add	413.80	
23 21 16 00-0054	EA	3" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	660.06	54.45
		For Work In Restricted Working Space, Add	46.62	
		For 300 Lb. Rating, Add	857.94	
23 21 16 00-0055	EA	4" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	1,144.25	65.26
		For Work In Restricted Working Space, Add	55.94	
		For 300 Lb. Rating, Add	1,628.24	
23 21 16 00-0056 Flanged, 150 Lb., Bronze Body, Y-Type Strainers (23 21 16 00-0025)				
Note: With bolted cap.				
23 21 16 00-0057	EA	2" Flanged, 150 Lb., Bronze Body, Y-Type Strainer	630.82	165.71
		For Work In Restricted Working Space, Add	62.15	
		For 300 Lb. Rating, Add	254.18	
23 21 16 00-0058	EA	2-1/2" Flanged, 150 Lb., Bronze Body, Y-Type Strainer	657.63	180.25
		For Work In Restricted Working Space, Add	67.80	
		For 300 Lb. Rating, Add	258.97	
23 21 16 00-0059	EA	3" Flanged, 150 Lb., Bronze Body, Y-Type Strainer	758.73	211.33
		For Work In Restricted Working Space, Add	79.34	
		For 300 Lb. Rating, Add	296.55	
23 21 16 00-0060	EA	4" Flanged, 150 Lb., Bronze Body, Y-Type Strainer	1,644.90	354.28
		For Work In Restricted Working Space, Add	133.19	
		For 300 Lb. Rating, Add	720.56	
23 21 16 00-0061	EA	6" Flanged, 150 Lb., Bronze Body, Y-Type Strainer	2,317.81	396.50
		For Work In Restricted Working Space, Add	149.22	
		For 300 Lb. Rating, Add	1,092.25	
23 21 16 00-0062	EA	8" Flanged, 150 Lb., Bronze Body, Y-Type Strainer	3,736.05	506.64
		For Work In Restricted Working Space, Add	188.81	
		For 300 Lb. Rating, Add	1,864.01	
23 21 16 00-0063	EA	10" Flanged, 150 Lb., Bronze Body, Y-Type Strainer	11,921.29	616.77
		For Work In Restricted Working Space, Add	231.29	
		For 300 Lb. Rating, Add	6,690.20	
23 21 16 00-0064 Crimped Bronze Body, Class 125, Y-Type Strainers (23 21 16 00-0025)				
Note: Nibco®				
23 21 16 00-0065	EA	1/2" Class 125, Crimped Bronze Body, Y-Type Strainer	180.67	12.43
		For Work In Restricted Working Space, Add	8.39	
23 21 16 00-0066	EA	3/4" Class 125, Crimped Bronze Body, Y-Type Strainer	209.33	13.67
		For Work In Restricted Working Space, Add	9.55	
23 21 16 00-0067	EA	1" Class 125, Crimped Bronze Body, Y-Type Strainer	298.59	15.53
		For Work In Restricted Working Space, Add	11.42	
23 21 16 00-0068	EA	1-1/4" Class 125, Crimped Bronze Body, Y-Type Strainer	401.08	16.53
		For Work In Restricted Working Space, Add	12.58	
23 21 16 00-0069	EA	1-1/2" Class 125, Crimped Bronze Body, Y-Type Strainer	483.21	19.13
		For Work In Restricted Working Space, Add	13.98	
23 21 16 00-0070	EA	2" Class 125, Crimped Bronze Body, Y-Type Strainer	716.67	22.61
		For Work In Restricted Working Space, Add	16.78	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 21 16 00-0071		Crimped Bronze Body, 250 PSI, Y-Type Strainers (23 21 16 00-0025)		
23 21 16 00-0072	EA	1/2" 250 PSI, Crimped Bronze Body, Y-Type Strainer.....	79.06	12.43
23 21 16 00-0073	EA	3/4" 250 PSI, Crimped Bronze Body, Y-Type Strainer.....	96.26	13.67
23 21 16 00-0074	EA	1" 250 PSI, Crimped Bronze Body, Y-Type Strainer.....	140.24	15.53
23 21 16 00-0075	EA	1-1/4" 250 PSI, Crimped Bronze Body, Y-Type Strainer.....	170.97	16.53
23 21 16 00-0076	EA	1-1/2" 250 PSI, Crimped Bronze Body, Y-Type Strainer.....	203.68	19.13
23 21 16 00-0077	EA	2" 250 PSI, Crimped Bronze Body, Y-Type Strainer.....	266.97	22.61
23 21 16 00-0078		Cast Iron Body, Suction Diffusers (23 21 16)		
Note: 175 PSI, steel inlet vanes, steel orifice cylinder and 16 mesh bronze startup strainer.				
23 21 16 00-0079	EA	2" x 1-1/2" Screwed Ends, 175 Lb., Cast Iron Body, Suction Diffuser.....	543.83	48.98
		For Work In Restricted Working Space, Add	23.98	
23 21 16 00-0080	EA	2" x 2" Screwed Ends, 175 Lb., Cast Iron Body, Suction Diffuser.....	571.24	54.33
		For Work In Restricted Working Space, Add	26.64	
23 21 16 00-0081	EA	2-1/2" x 2" Screwed Ends, 175 Lb., Cast Iron Body, Suction Diffuser.....	580.36	57.05
		For Work In Restricted Working Space, Add	27.98	
23 21 16 00-0082	EA	2-1/2" x 2-1/2" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser	1,098.13	180.25
		For Work In Restricted Working Space, Add	67.80	
23 21 16 00-0083	EA	3" x 1-1/2" Screwed Ends, 175 Lb., Cast Iron Body, Suction Diffuser.....	600.05	66.38
		For Work In Restricted Working Space, Add	32.50	
23 21 16 00-0084	EA	3" x 2" Screwed Ends, 175 Lb., Cast Iron Body, Suction Diffuser.....	678.91	66.38
		For Work In Restricted Working Space, Add	32.50	
23 21 16 00-0085	EA	3" x 2-1/2" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser.....	1,149.85	196.20
		For Work In Restricted Working Space, Add	73.58	
23 21 16 00-0086	EA	3" x 3" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser.....	1,173.72	211.33
		For Work In Restricted Working Space, Add	79.34	
23 21 16 00-0087	EA	4" x 3" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser.....	1,425.82	283.38
		For Work In Restricted Working Space, Add	106.27	
23 21 16 00-0088	EA	4" x 4" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser.....	1,677.92	354.28
		For Work In Restricted Working Space, Add	133.19	
23 21 16 00-0089	EA	6" x 4" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser.....	1,920.57	356.30
		For Work In Restricted Working Space, Add	133.61	
23 21 16 00-0090	EA	6" x 6" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser.....	2,320.50	396.50
		For Work In Restricted Working Space, Add	149.22	
23 21 16 00-0091	EA	8" x 6" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser.....	2,624.11	506.64
		For Work In Restricted Working Space, Add	188.81	
23 21 16 00-0092	EA	8" x 8" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser.....	4,057.55	506.64
		For Work In Restricted Working Space, Add	188.81	
23 21 16 00-0093	EA	10" x 8" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser.....	4,635.21	616.77
		For Work In Restricted Working Space, Add	231.29	
23 21 16 00-0094	EA	10" x 10" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser.....	5,419.20	616.77
		For Work In Restricted Working Space, Add	231.29	
23 21 16 00-0095		Duplex Strainers (23 21 16)		
23 21 16 00-0096		Iron Body, Duplex Strainers (23 21 16 00-0095)		
23 21 16 00-0097		Screwed Ends, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainers (23 21 16 00-0096)		
Note: With brass or stainless steel basket.				
23 21 16 00-0098	EA	3/4" Screwed Ends, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer.....	931.56	30.95
		For Work In Restricted Working Space, Add	18.59	
23 21 16 00-0099	EA	1" Screwed Ends, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer.....	1,040.16	35.43
		For Work In Restricted Working Space, Add	21.27	
23 21 16 00-0100	EA	1-1/4" Screwed Ends, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer.....	1,410.30	41.64
		For Work In Restricted Working Space, Add	24.97	
23 21 16 00-0101	EA	1-1/2" Screwed Ends, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer.....	1,775.61	45.38
		For Work In Restricted Working Space, Add	27.22	
23 21 16 00-0102	EA	2" Screwed Ends, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer.....	2,380.13	55.31
		For Work In Restricted Working Space, Add	33.30	
23 21 16 00-0103	EA	2-1/2" Screwed Ends, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer.....	2,995.09	70.86
		For Work In Restricted Working Space, Add	42.50	
23 21 16 00-0104		Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainers (23 21 16 00-0096)		
Note: With brass or stainless steel basket.				
23 21 16 00-0105	EA	2" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer.....	3,241.76	165.71
		For Work In Restricted Working Space, Add	62.15	
23 21 16 00-0106	EA	2-1/2" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer.....	3,351.18	180.25
		For Work In Restricted Working Space, Add	67.80	
23 21 16 00-0107	EA	3" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer.....	4,295.49	211.33
		For Work In Restricted Working Space, Add	79.34	
23 21 16 00-0108	EA	4" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer.....	6,734.27	313.89
		For Work In Restricted Working Space, Add	118.01	
23 21 16 00-0109	EA	6" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer.....	13,179.22	396.50
		For Work In Restricted Working Space, Add	149.22	
23 21 16 00-0110	EA	8" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer.....	25,087.18	506.64
		For Work In Restricted Working Space, Add	188.81	
23 21 16 00-0111	EA	10" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer.....	34,649.56	616.77
		For Work In Restricted Working Space, Add	231.29	
23 21 16 00-0112	EA	12" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer.....	39,238.78	777.58
		For Work In Restricted Working Space, Add	466.69	
23 21 16 00-0113	EA	14" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer.....	46,755.97	881.11
		For Work In Restricted Working Space, Add	330.41	
23 21 16 00-0114	EA	16" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer.....	58,460.92	969.21
		For Work In Restricted Working Space, Add	363.46	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0115		Bronze Body, Duplex Strainers (23 21 16 00-0095)		
23 21 16 00-0116		Screwed Ends, 125 Lb., Bronze Diverter, Bronze Body Duplex Strainers (23 21 16 00-0115)		
		Note: With brass or stainless steel basket.		
23 21 16 00-0117	EA	3/4" Screwed Ends, 125 Lb., Bronze Diverter, Bronze Body Duplex Strainer.....	1,737.76	31.08
		For Work In Restricted Working Space, Add	18.59	
23 21 16 00-0118	EA	1" Screwed Ends, 125 Lb., Bronze Diverter, Bronze Body Duplex Strainer.....	1,927.89	35.43
		For Work In Restricted Working Space, Add	21.27	
23 21 16 00-0119	EA	1-1/4" Screwed Ends, 125 Lb., Bronze Diverter, Bronze Body Duplex Strainer	2,823.42	41.64
		For Work In Restricted Working Space, Add	24.97	
23 21 16 00-0120	EA	1-1/2" Screwed Ends, 125 Lb., Bronze Diverter, Bronze Body Duplex Strainer	3,714.12	45.38
		For Work In Restricted Working Space, Add	27.22	
23 21 16 00-0121	EA	2" Screwed Ends, 125 Lb., Bronze Diverter, Bronze Body Duplex Strainer.....	4,798.74	55.31
		For Work In Restricted Working Space, Add	33.30	
23 21 16 00-0122	EA	2-1/2" Screwed Ends, 125 Lb., Bronze Diverter, Bronze Body Duplex Strainer	5,893.80	70.86
		For Work In Restricted Working Space, Add	42.50	
23 21 16 00-0123		Flanged, 125 Lb., Bronze Diverter, Bronze Body, Duplex Strainers (23 21 16 00-0115)		
		Note: With brass or stainless steel basket.		
23 21 16 00-0124	EA	2" Flanged, 125 Lb., Bronze Diverter, Bronze Body, Duplex Strainer.....	6,729.26	165.71
		For Work In Restricted Working Space, Add	62.15	
23 21 16 00-0125	EA	2-1/2" Flanged, 125 Lb., Bronze Diverter, Bronze Body, Duplex Strainer.....	6,929.26	180.25
		For Work In Restricted Working Space, Add	67.80	
23 21 16 00-0126	EA	3" Flanged, 125 Lb., Bronze Diverter, Bronze Body, Duplex Strainer.....	9,504.10	211.33
		For Work In Restricted Working Space, Add	79.34	
23 21 16 00-0127	EA	4" Flanged, 125 Lb., Bronze Diverter, Bronze Body, Duplex Strainer.....	14,977.45	313.89
		For Work In Restricted Working Space, Add	118.01	
23 21 16 00-0128	EA	6" Flanged, 125 Lb., Bronze Diverter, Bronze Body, Duplex Strainer.....	32,564.30	396.50
		For Work In Restricted Working Space, Add	149.22	
23 21 16 00-0129		Cast Steel Body, Duplex Strainers (23 21 16 00-0095)		
23 21 16 00-0130		Screwed Ends, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainers (23 21 16 00-0129)		
		Note: With brass or stainless steel basket.		
23 21 16 00-0131	EA	1" Screwed Ends, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	2,708.53	35.43
		For Work In Restricted Working Space, Add	21.28	
23 21 16 00-0132	EA	1-1/4" Screwed Ends, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	3,336.28	41.64
		For Work In Restricted Working Space, Add	24.97	
23 21 16 00-0133	EA	1-1/2" Screwed Ends, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	3,959.25	45.38
		For Work In Restricted Working Space, Add	27.23	
23 21 16 00-0134	EA	2" Screwed Ends, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	6,705.01	55.31
		For Work In Restricted Working Space, Add	33.30	
23 21 16 00-0135		Flanged, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainers (23 21 16 00-0129)		
		Note: With brass or stainless steel basket.		
23 21 16 00-0136	EA	2" Flanged, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer.....	6,845.16	165.71
		For Work In Restricted Working Space, Add	62.15	
23 21 16 00-0137	EA	2-1/2" Flanged, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	7,523.39	180.25
		For Work In Restricted Working Space, Add	67.80	
23 21 16 00-0138	EA	3" Flanged, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer.....	9,891.75	211.33
		For Work In Restricted Working Space, Add	79.34	
23 21 16 00-0139	EA	4" Flanged, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer.....	14,504.55	313.89
		For Work In Restricted Working Space, Add	118.01	
23 21 16 00-0140	EA	6" Flanged, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer.....	24,763.38	396.50
		For Work In Restricted Working Space, Add	149.22	
23 21 16 00-0141	EA	8" Flanged, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer.....	48,282.14	506.64
		For Work In Restricted Working Space, Add	188.81	
23 21 16 00-0142		Stainless Steel Body, Duplex Strainers (23 21 16 00-0095)		
23 21 16 00-0143		Screwed Ends, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainers (23 21 16 00-0142)		
		Note: With stainless steel basket.		
23 21 16 00-0144	EA	1" Screwed Ends, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	6,494.81	35.43
		For Work In Restricted Working Space, Add	21.28	
23 21 16 00-0145	EA	1-1/4" Screwed Ends, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	8,208.26	41.64
		For Work In Restricted Working Space, Add	24.97	
23 21 16 00-0146	EA	1-1/2" Screwed Ends, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	9,905.03	45.38
		For Work In Restricted Working Space, Add	27.23	
23 21 16 00-0147	EA	2" Screwed Ends, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	15,873.31	55.31
		For Work In Restricted Working Space, Add	33.30	
23 21 16 00-0148		Flanged, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainers (23 21 16 00-0142)		
		Note: With stainless steel basket.		
23 21 16 00-0149	EA	2" Flanged, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	16,623.78	165.71
		For Work In Restricted Working Space, Add	62.15	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
23 21 16 00-0150	EA	2-1/2" Flanged, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	17,475.34 67.80		180.25
23 21 16 00-0151	EA	3" Flanged, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	27,387.56 79.34		211.33
23 21 16 00-0152	EA	4" Flanged, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	33,464.47 118.01		313.89
23 21 16 00-0153	EA	6" Flanged, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	58,788.22 149.22		396.50
23 21 16 00-0154	EA	8" Flanged, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	108,645.83 188.81		506.64
23 21 16 00-0155 Pressure Regulating Valve (23 21 16)					
23 21 16 00-0156 Screwed Ends, Iron Body, Water Pressure Reducing Valves (23 21 16 00-0155)					
Note: For building services, 25 - 75 PSI, up to 300 Lb rating					
23 21 16 00-0157	EA	1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve <i>For Work In Restricted Working Space, Add</i>	232.05 18.64		15.53
23 21 16 00-0158	EA	3/4" Screwed Ends, Iron Construction, Water Pressure Reducing Valve <i>For Work In Restricted Working Space, Add</i>	285.60 20.71		17.40
23 21 16 00-0159	EA	1" Screwed Ends, Iron Construction, Water Pressure Reducing Valve <i>For Work In Restricted Working Space, Add</i>	375.04 21.93		18.64
23 21 16 00-0160	EA	1-1/4" Screwed Ends, Iron Construction, Water Pressure Reducing Valve <i>For Work In Restricted Working Space, Add</i>	640.96 24.85		20.87
23 21 16 00-0161	EA	1-1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve <i>For Work In Restricted Working Space, Add</i>	869.32 29.82		24.85
23 21 16 00-0162	EA	2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve <i>For Work In Restricted Working Space, Add</i>	1,246.26 45.77		38.10
23 21 16 00-0163	EA	2-1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve <i>For Work In Restricted Working Space, Add</i>	1,355.97 51.49		42.91
23 21 16 00-0164	EA	3" Screwed Ends, Iron Construction, Water Pressure Reducing Valve <i>For Work In Restricted Working Space, Add</i>	1,490.03 57.21		124.15
23 21 16 00-0165 Cast Iron Body, Steam Pressure Regulator And Reducer (23 21 16 00-0155)					
Note: Single seated, spring loaded, direct acting diaphragm valve.					
23 21 16 00-0166 Screwed Ends, Cast Iron Body, Steam Pressure Regulator And Reducer (23 21 16 00-0165)					
23 21 16 00-0167	EA	1/2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer <i>For Work In Restricted Working Space, Add</i>	389.45 25.03		20.88
23 21 16 00-0168	EA	3/4" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer <i>For Work In Restricted Working Space, Add</i>	488.59 35.52		29.59
23 21 16 00-0169	EA	1" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer <i>For Work In Restricted Working Space, Add</i>	627.53 43.37		36.05
23 21 16 00-0170	EA	1-1/4" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer <i>For Work In Restricted Working Space, Add</i>	837.98 50.39		43.76
23 21 16 00-0171	EA	1-1/2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer <i>For Work In Restricted Working Space, Add</i>	1,122.67 57.37		49.73
23 21 16 00-0172	EA	2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer <i>For Work In Restricted Working Space, Add</i>	1,313.85 69.70		69.69
23 21 16 00-0173 Flanged, Cast Iron Body, Steam Pressure Regulator And Reducer (23 21 16 00-0165)					
Note: Single seated, spring loaded, direct acting diaphragm valve.					
23 21 16 00-0174	EA	2-1/2" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer <i>For Work In Restricted Working Space, Add</i>	3,006.94 63.36		168.43
23 21 16 00-0175	EA	3" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer <i>For Work In Restricted Working Space, Add</i>	3,737.89 74.15		197.47
23 21 16 00-0176	EA	4" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer <i>For Work In Restricted Working Space, Add</i>	4,814.45 124.46		331.05
23 21 16 00-0177	EA	6" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer <i>For Work In Restricted Working Space, Add</i>	11,943.81 145.61		386.91
23 21 16 00-0178 Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves (23 21 16 00-0155)					
23 21 16 00-0179 Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves (23 21 16 00-0178)					
23 21 16 00-0180	EA	1/2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve <i>For Work In Restricted Working Space, Add</i>	2,173.82 22.75		15.16
23 21 16 00-0181	EA	3/4" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve <i>For Work In Restricted Working Space, Add</i>	2,219.32 22.75		15.16
23 21 16 00-0182	EA	1" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve <i>For Work In Restricted Working Space, Add</i>	2,365.60 28.72		19.14
23 21 16 00-0183	EA	1-1/4" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve <i>For Work In Restricted Working Space, Add</i>	2,780.96 36.55		24.36
23 21 16 00-0184	EA	1-1/2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve <i>For Work In Restricted Working Space, Add</i>	3,183.83 42.14		28.09
23 21 16 00-0185	EA	2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve <i>For Work In Restricted Working Space, Add</i>	3,946.79 49.60		33.06
23 21 16 00-0186 Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves (23 21 16 00-0178)					
23 21 16 00-0187	EA	2-1/2" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve <i>For Work In Restricted Working Space, Add</i>	4,877.34 63.36		168.43

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0188	EA	3" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve <i>For Work In Restricted Working Space, Add</i>	6,015.37 74.15	197.47
23 21 16 00-0189	EA	4" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve <i>For Work In Restricted Working Space, Add</i>	9,115.22 124.46	331.05
23 21 16 00-0190	EA	6" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve <i>For Work In Restricted Working Space, Add</i>	20,004.31 145.61	386.91
23 21 16 00-0191		Screwed Ends, Cast Iron Body, Air Pressure Reducing Valves (23 21 16 00-0155)		
23 21 16 00-0192	EA	1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	259.99	16.15
23 21 16 00-0193	EA	3/4" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	321.21	17.89
23 21 16 00-0194	EA	1" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	424.69	19.01
23 21 16 00-0195	EA	1-1/4" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	732.73	21.62
23 21 16 00-0196	EA	1-1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	995.87	25.84
23 21 16 00-0197	EA	2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	1,426.09	39.59
23 21 16 00-0198	EA	2-1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	1,544.98	43.13
23 21 16 00-0199	EA	3" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	1,703.68	49.66
23 21 16 00-0200		Screwed Ends, Bronze Body, Water Pressure Reducing Valves (23 21 16 00-0155) Note: For building services, bronze construction, pressure adjustment, union and strainer, factory set at 45 PSI (Watts 25AUB).		
23 21 16 00-0201	EA	1/2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	213.03	15.53
23 21 16 00-0202	EA	3/4" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	234.09	17.40
23 21 16 00-0203	EA	1" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	291.27	19.26
23 21 16 00-0204	EA	1-1/4" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	693.02	20.87
23 21 16 00-0205	EA	1-1/2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	750.85	24.85
23 21 16 00-0206	EA	2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	1,179.98	38.10
23 21 16 00-0207		Dual Unit Reducing And Relief Valve (23 21 16)		
23 21 16 00-0208	EA	1/2" Dual Unit Reducing And Relief Valve	240.33	37.92
23 21 16 00-0209		Safety Relief Valve (23 21 16) Note: Used in water heater and hot water storage tank applications.		
23 21 16 00-0210		Threaded Inlet, Bronze Body Safety Valves (23 21 16 00-0209) Note: Variable set points to 150 PSIG pressure, 210 Degree F temperature range.		
23 21 16 00-0211	EA	1/2" x 1/2" Threaded Inlet, Bronze Body Safety Valve	88.25	15.53
23 21 16 00-0212	EA	3/4" x 3/4" Threaded Inlet, Bronze Body Safety Valve	123.35	17.09
23 21 16 00-0213	EA	1" x 1" Threaded Inlet, Bronze Body Safety Valve	179.11	20.81
23 21 16 00-0214	EA	1-1/4" x 1-1/4" Threaded Inlet, Bronze Body Safety Valve	232.79	22.06
23 21 16 00-0215	EA	1-1/2" x 1-1/2" Threaded Inlet, Bronze Body Safety Valve	320.76	29.51
23 21 16 00-0216	EA	2" x 2" Threaded Inlet, Bronze Body Safety Valve	431.46	34.79
23 21 16 00-0217	EA	2-1/2" x 2-1/2" Threaded Inlet, Bronze Body Safety Valve	488.25	43.49
23 21 16 00-0218		Threaded, Bronze Body, Temperature And Pressure Relief Valves (23 21 16)		
23 21 16 00-0219	EA	1/2" x 1/2" Threaded, Bronze Body, Temperature And Pressure Relief Valve <i>For Cast Iron Body, Add</i>	100.13 60.44	31.68
23 21 16 00-0220	EA	3/4" x 3/4" Threaded, Bronze Body, Temperature And Pressure Relief Valve <i>For Cast Iron Body, Add</i>	129.48 84.19	38.02
23 21 16 00-0221	EA	1" x 1" Threaded, Bronze Body, Temperature And Pressure Relief Valve <i>For Cast Iron Body, Add</i>	190.11 134.09	50.70
23 21 16 00-0222	EA	1-1/4" x 1-1/4" Threaded, Bronze Body, Temperature And Pressure Relief Valve <i>For Cast Iron Body, Add</i>	316.74 284.98	54.31
23 21 16 00-0223	EA	1-1/2" x 1-1/2" Threaded, Bronze Body, Temperature And Pressure Relief Valve <i>For Cast Iron Body, Add</i>	535.48 545.14	60.89
23 21 16 00-0224	EA	2" x 2" Threaded, Bronze Body, Temperature And Pressure Relief Valve <i>For Cast Iron Body, Add</i>	617.91 593.60	87.53
23 21 16 00-0225		Thermostatic Radiator Valves (23 21 16) Note: For hot water or two pipe low pressure steam.		
23 21 16 00-0226	EA	1/2" Straight Thermostatic Radiator Valve (Danfoss 013G8015)	96.55	20.06
23 21 16 00-0227	EA	3/4" Straight Thermostatic Radiator Valve (Danfoss 013G8020)	117.40	27.02
23 21 16 00-0228	EA	1" Straight Thermostatic Radiator Valve (Danfoss 013G8025)	156.43	32.72
23 21 16 00-0229	EA	1-1/4" Straight Thermostatic Radiator Valve (Danfoss 013G8032)	243.01	41.44
23 21 16 00-0230	EA	1/2" Angle Thermostatic Radiator Valve (Danfoss 013G8014)	96.55	20.06
23 21 16 00-0231	EA	3/4" Angle Thermostatic Radiator Valve (Danfoss 013G8019)	117.40	27.02
23 21 16 00-0232	EA	1" Angle Thermostatic Radiator Valve (Danfoss 013G8024)	156.43	32.72
23 21 16 00-0233	EA	1-1/4" Angle Thermostatic Radiator Valve (Danfoss 013G8031)	243.01	41.44
23 21 16 00-0234	EA	Tamper Resistant Valve Mounted Dial And Sensor Thermostatic Operator (Danfoss 013G8240)	98.82	15.53
23 21 16 00-0235	EA	Tamper Resistant Valve Mounted Dial With Remote Sensor Thermostatic Operator (Danfoss 013G2922)	166.38	21.76
23 21 16 00-0236		Radiator Trap Repair Kits (23 21 16) Note: For hot water or two pipe low pressure steam.		
23 21 16 00-0237	EA	1/2" Trap (Spirax-Sarco TH-125), Straight, Radiator Trap Repair Kit (Spirax-Sarco SH1031)	156.94	
23 21 16 00-0238	EA	3/4" Trap (Spirax-Sarco TH-125), Straight, Radiator Trap Repair Kit (Spirax-Sarco SH1032)	196.10	
23 21 16 00-0239	EA	1/2" Trap (Spirax-Sarco TH-125), Angle, Radiator Trap Repair Kit (Spirax-Sarco SH1026)	198.88	
23 21 16 00-0240	EA	3/4" Trap (Spirax-Sarco TH-125), Angle, Radiator Trap Repair Kit (Spirax-Sarco SH1027)	226.07	
23 21 16 00-0241	EA	1" Trap (Spirax-Sarco TH-125), Angle, Radiator Trap Repair Kit (Spirax-Sarco SH1028)	534.92	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 21 16 00-0242		Horizontal Steel Expansion Tanks (23 21 16)	
		Note: ASME Code Stamp. 150 PSI with glass gauge and cocks.	
23 21 16 00-0243	EA	10 Gallon Horizontal Steel Expansion Tank.....	870.92
23 21 16 00-0244	EA	15 Gallon Horizontal Steel Expansion Tank.....	1,244.22
23 21 16 00-0245	EA	30 Gallon Horizontal Steel Expansion Tank.....	1,640.92
23 21 16 00-0246	EA	40 Gallon Horizontal Steel Expansion Tank.....	1,887.11
23 21 16 00-0247	EA	60 Gallon Horizontal Steel Expansion Tank.....	2,188.80

 124.31
 155.39
 186.46
 217.54
 220.27

23 21 16 00-0248		Horizontal Diaphragm Type (Bladder) Steel Expansion Tanks (23 21 16)	
		Note: ASME. Precharged with working pressure 125 psi. Armstrong AX Series.	
23 21 16 00-0249	EA	7.8 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	1,603.04
23 21 16 00-0250	EA	10.9 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	1,675.28
23 21 16 00-0251	EA	21.7 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	2,493.35
23 21 16 00-0252	EA	33.6 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	2,597.08
23 21 16 00-0253	EA	44.4 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	3,516.84
23 21 16 00-0254	EA	55.7 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	3,710.16
23 21 16 00-0255	EA	68.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	4,409.57
23 21 16 00-0256	EA	77.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	4,719.12
23 21 16 00-0257	EA	90.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	5,200.59
23 21 16 00-0258	EA	110.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	5,349.92
23 21 16 00-0259	EA	132.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	6,707.57
23 21 16 00-0260	EA	158.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	7,689.90
23 21 16 00-0261	EA	211.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	8,928.10

 93.23
 108.77
 124.31
 139.84
 155.39
 170.92
 186.46
 202.00
 217.54
 248.62
 279.70
 310.77
 372.93

23 21 16 00-0262		Vertical Diaphragm Type (Bladder) Steel Expansion Tanks (Armstrong AX) (23 21 16)	
		Note: ASME. Precharged with working pressure 125 psi	
23 21 16 00-0263	EA	8.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	1,825.82
23 21 16 00-0264	EA	11.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	1,885.95
23 21 16 00-0265	EA	22.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	2,696.76
23 21 16 00-0266	EA	34.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	2,880.39
23 21 16 00-0267	EA	44.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	3,659.70
23 21 16 00-0268	EA	56.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	3,850.60
23 21 16 00-0269	EA	67.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	4,692.89
23 21 16 00-0270	EA	77.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	5,072.66
23 21 16 00-0271	EA	91.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	5,609.83
23 21 16 00-0272	EA	111.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	5,751.89
23 21 16 00-0273	EA	132.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	7,073.22
23 21 16 00-0274	EA	158.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	8,205.68
23 21 16 00-0275	EA	211.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	9,453.56

 93.23
 108.77
 124.31
 139.84
 155.39
 170.92
 186.46
 202.00
 217.54
 248.62
 279.70
 310.77
 372.93

23 21 16 00-0276		Diaphragm Type (Residential Style) Steel Expansion Tanks (23 21 16)	
23 21 16 00-0277	EA	2.1 Gallon Diaphragm Type (Residential Style) Steel Expansion Tank (Watts DET-5-M1)	107.49
23 21 16 00-0278	EA	4.5 Gallon Diaphragm Type (Residential Style) Steel Expansion Tank (Watts DET-12-M1)	154.13

 11.44
 11.44

23 21 16 00-0279		Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tanks (23 21 16)	
23 21 16 00-0280	EA	15 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,266.23
23 21 16 00-0281	EA	20 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,319.14
23 21 16 00-0282	EA	30 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,372.05
23 21 16 00-0283	EA	40 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,509.59
23 21 16 00-0284	EA	47 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,805.37
23 21 16 00-0285	EA	60 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	2,122.11
23 21 16 00-0286	EA	80 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	2,184.95
23 21 16 00-0287	EA	87 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	2,247.80
23 21 16 00-0288	EA	120 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	2,859.82
23 21 16 00-0289	EA	187 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	8,187.99
23 21 16 00-0290	EA	264 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	10,412.78

 373.05
 373.05
 373.05
 373.05
 497.11
 497.36
 497.36
 497.36
 621.54
 621.54
 745.60

23 21 16 00-0291		ASME Construction Compression Tanks (23 21 16)	
		Note: With gauge glass taps, 125 PSI, 240 degree F tanks below are sized by capacity and diameter and height.	
23 21 16 00-0292	EA	15 Gallon, 13" x 34-1/2" ASME Construction Compression Tank.....	1,204.88
		For Galvanized Steel Tanks, Add	436.70
23 21 16 00-0293	EA	24 Gallon, 13" x 51" ASME Construction Compression Tank.....	1,228.10
		For Galvanized Steel Tanks, Add	443.13
23 21 16 00-0294	EA	30 Gallon, 13" x 61-1/2" ASME Construction Compression Tank.....	1,342.04
		For Galvanized Steel Tanks, Add	494.51
23 21 16 00-0295	EA	40 Gallon, 16-1/4" x 53" ASME Construction Compression Tank.....	1,471.29
		For Galvanized Steel Tanks, Add	552.29
23 21 16 00-0296	EA	60 Gallon, 16-1/4" x 76-1/2" ASME Construction Compression Tank.....	1,721.13
		For Galvanized Steel Tanks, Add	667.89
23 21 16 00-0297	EA	80 Gallon, 20-1/4" x 68" ASME Construction Compression Tank.....	1,788.15
		For Galvanized Steel Tanks, Add	693.58
23 21 16 00-0298	EA	100 Gallon, 20-1/4" x 82" ASME Construction Compression Tank.....	2,221.50
		For Galvanized Steel Tanks, Add	892.67
23 21 16 00-0299	EA	120 Gallon, 24-1/4" x 71-1/2" ASME Construction Compression Tank.....	2,421.36
		For Galvanized Steel Tanks, Add	976.14
23 21 16 00-0300	EA	144 Gallon, 24-1/4" x 83-1/2" ASME Construction Compression Tank.....	3,019.58
		For Galvanized Steel Tanks, Add	1,245.31

 218.79
 225.00
 232.46
 241.16
 254.83
 264.78
 288.40
 309.53
 349.31

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0301	EA		180 Gallon, 30" x 60" ASME Construction Compression Tank..... <i>For Galvanized Steel Tanks, Add</i>	3,843.07 1,618.35	400.27
23 21 16 00-0302	EA		202 Gallon, 30" x 72" ASME Construction Compression Tank..... <i>For Galvanized Steel Tanks, Add</i>	4,610.22 1,969.15	443.78
23 21 16 00-0303	EA		230 Gallon, 30" x 84" ASME Construction Compression Tank..... <i>For Galvanized Steel Tanks, Add</i>	5,041.99 2,155.39	482.31
23 21 16 00-0304	EA		280 Gallon, 30" x 96" ASME Construction Compression Tank..... <i>For Galvanized Steel Tanks, Add</i>	6,384.31 2,791.16	529.55
23 21 16 00-0305	EA		306 Gallon, 30" x 108" ASME Construction Compression Tank..... <i>For Galvanized Steel Tanks, Add</i>	6,583.16 2,862.93	565.61
23 21 16 00-0306	EA		340 Gallon, 36" x 84" ASME Construction Compression Tank..... <i>For Galvanized Steel Tanks, Add</i>	8,505.94 3,792.57	607.87
23 21 16 00-0307	EA		550 Gallon, 36" x 96" ASME Construction Compression Tank..... <i>For Galvanized Steel Tanks, Add</i>	14,222.61 6,570.84	713.53
23 21 16 00-0308 Compression Tank Air Fittings (23 21 16)					
23 21 16 00-0309	EA		9" To 24" Diameter Compression Tank Air Fittings.....	424.02	34.80
23 21 16 00-0310	EA		>100 Gallon Compression Tank Air Fittings	1,470.56	41.02
23 21 16 00-0311 Vortex Air Separators With Strainer (23 21 16)					
Note: Separators are priced by capacity in gallons per minute and by boiler connection sizes and types.					
23 21 16 00-0312	EA		2" Threaded, 56 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-2N)	1,937.45	264.78
			<i>For 300 PSIG, Add</i>	230.47	
23 21 16 00-0313	EA		2-1/2" Threaded, 90 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-2-1/2N).....	2,405.98	303.32
			<i>For 300 PSIG, Add</i>	291.84	
23 21 16 00-0314	EA		3" Threaded, 190 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-3N)	3,740.67	356.77
			<i>For 300 PSIG, Add</i>	480.03	
23 21 16 00-0315	EA		3" Flanged, 190 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-3F)	3,999.86	377.78
			<i>For 300 PSIG, Add</i>	514.12	
23 21 16 00-0316	EA		4" Flanged, 300 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-4F)	5,154.36	503.71
			<i>For 300 PSIG, Add</i>	658.68	
23 21 16 00-0317	EA		5" Flanged, 500 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-5F)	6,516.44	599.15
			<i>For 300 PSIG, Add</i>	841.41	
23 21 16 00-0318	EA		6" Flanged, 700 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-6F)	7,746.52	678.45
			<i>For 300 PSIG, Add</i>	1,007.79	
23 21 16 00-0319	EA		8" Flanged, 1,300 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-8F)	11,215.95	813.92
			<i>For 300 PSIG, Add</i>	1,497.36	
23 21 16 00-0320	EA		10" Flanged, 2,000 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-10F)	17,420.88	925.16
			<i>For 300 PSIG, Add</i>	2,402.87	
23 21 16 00-0321	EA		12" Flanged, 2,750 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-12F)	23,523.27	1,197.20
			<i>For 300 PSIG, Add</i>	3,256.38	
23 21 16 00-0322	EA		14" Flanged, 3400 GPM With Strainer, Vortex Air Separator (Rolairtrol R-14F)	49,500.67	1,453.82
			<i>For 300 PSIG, Add</i>	7,094.69	
23 21 16 00-0323	EA		16" Flanged, 4400 GPM With Strainer, Vortex Air Separator (Rolairtrol R-16F).....	61,134.41	1,744.59
			<i>For 300 PSIG, Add</i>	8,773.66	
23 21 16 00-0324	EA		18" Flanged, 5200 GPM With Strainer, Vortex Air Separator (Rolairtrol R-16F).....	79,879.87	2,035.35
			<i>For 300 PSIG, Add</i>	11,519.40	
23 21 16 00-0325	EA		20" Flanged, 6300 GPM With Strainer, Vortex Air Separator (Rolairtrol R-20F).....	93,488.86	2,326.12
			<i>For 300 PSIG, Add</i>	13,494.67	
23 21 16 00-0326 Vortex Air Separators (23 21 16)					
Note: Without system strainer.					
23 21 16 00-0327	EA		2" Threaded, 56 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-2N).....	1,637.44	264.78
			<i>For 300 PSIG, Add</i>	185.47	
23 21 16 00-0328	EA		2-1/2" Threaded, 90 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-2-1/2N).....	2,078.69	303.32
			<i>For 300 PSIG, Add</i>	242.74	
23 21 16 00-0329	EA		3" Threaded, 190 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-3N)	3,658.84	356.77
			<i>For 300 PSIG, Add</i>	467.75	
23 21 16 00-0330	EA		3" Flanged, 190 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-3F)	3,281.64	377.78
			<i>For 300 PSIG, Add</i>	406.39	
23 21 16 00-0331	EA		4" Flanged, 300 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-4F).....	4,399.77	503.71
			<i>For 300 PSIG, Add</i>	545.49	
23 21 16 00-0332	EA		5" Flanged, 530 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-5F).....	5,725.48	599.15
			<i>For 300 PSIG, Add</i>	722.77	
23 21 16 00-0333	EA		6" Flanged, 850 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-6F).....	6,673.73	678.45
			<i>For 300 PSIG, Add</i>	846.87	
23 21 16 00-0334	EA		8" Flanged, 1,900 GPM Vortex Air Separator (Rolairtrol RL-8F)	8,924.91	813.92
			<i>For 300 PSIG, Add</i>	1,153.70	
23 21 16 00-0335	EA		10" Flanged, 3,600 GPM Vortex Air Separator (Rolairtrol RL-10F)	12,520.59	925.16
			<i>For 300 PSIG, Add</i>	1,667.82	
23 21 16 00-0336	EA		12" Flanged, 4,800 GPM Vortex Air Separator (Rolairtrol RL-12F)	19,405.98	1,197.20
			<i>For 300 PSIG, Add</i>	2,638.79	
23 21 16 00-0337	EA		14" Flanged, 6,100 GPM Vortex Air Separator (Rolairtrol RL-14F)	33,320.69	1,453.82
			<i>For 300 PSIG, Add</i>	4,667.69	
23 21 16 00-0338	EA		16" Flanged, 8,000 GPM Vortex Air Separator (Rolairtrol RL-16F)	42,260.89	1,744.59
			<i>For 300 PSIG, Add</i>	5,942.64	
23 21 16 00-0339	EA		18" Flanged, 9,700 GPM Vortex Air Separator (Rolairtrol RL-16F)	56,648.03	2,035.35
			<i>For 300 PSIG, Add</i>	8,034.62	
23 21 16 00-0340	EA		20" Flanged, 12,000 GPM Vortex Air Separator (Rolairtrol RL-20F)	77,690.46	2,326.12
			<i>For 300 PSIG, Add</i>	11,124.91	
23 21 16 00-0341	EA		22" Flanged, 15,000 GPM Vortex Air Separator (Rolairtrol RL-22F)	95,251.87	2,616.88
			<i>For 300 PSIG, Add</i>	13,693.04	
23 21 16 00-0342	EA		24" Flanged, 17,000 GPM Vortex Air Separator (Rolairtrol RL-24F)	112,813.26	2,907.64
			<i>For 300 PSIG, Add</i>	16,261.16	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 21 16 00-0343		Grooved, With Strainer, Vortex Air Separators (23 21 16)	
23 21 16 00-0344	EA	3" Grooved, 190 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-3G).....	3,521.74
23 21 16 00-0345	EA	4" Grooved, 300 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-4G).....	5,001.34
23 21 16 00-0346	EA	5" Grooved, 500 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-5G).....	6,335.01
23 21 16 00-0347	EA	6" Grooved, 700 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-6G).....	7,540.86
23 21 16 00-0348	EA	8" Grooved, 1,300 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-8G).....	10,951.05
23 21 16 00-0349	EA	10" Grooved, 2,000 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-10G).....	17,849.63
23 21 16 00-0350	EA	12" Grooved, 2,750 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-12G).....	27,256.94
23 21 16 00-0351		Grooved Vortex Air Separators (23 21 16)	
Note: Without system strainer.			
23 21 16 00-0352	EA	3" Grooved, 190 GPM Vortex Air Separator (Rolairtrol RL-3G).....	2,776.24
23 21 16 00-0353	EA	4" Grooved, 300 GPM Vortex Air Separator (Rolairtrol RL-4G).....	4,246.75
23 21 16 00-0354	EA	5" Grooved, 530 GPM Vortex Air Separator (Rolairtrol RL-5G).....	5,544.05
23 21 16 00-0355	EA	6" Grooved, 850 GPM Vortex Air Separator (Rolairtrol RL-6G).....	6,468.07
23 21 16 00-0356	EA	8" Grooved, 1,900 GPM Vortex Air Separator (Rolairtrol RL-8G).....	8,678.19
23 21 16 00-0357	EA	10" Grooved, 3,600 GPM Vortex Air Separator (Rolairtrol RL-10G).....	12,876.61
23 21 16 00-0358	EA	12" Grooved, 4,800 GPM Vortex Air Separator (Rolairtrol RL-12G).....	21,521.93
23 21 16 00-0359		Removable Head, Air Eliminator And Dirt Separator (23 21 16)	
Note: Spirovent VDN.			
23 21 16 00-0360	EA	2", 45 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN).....	3,647.99
23 21 16 00-0361	EA	2-1/2", 70 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN).....	3,953.66
23 21 16 00-0362	EA	3", 95 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN).....	5,268.94
23 21 16 00-0363	EA	4", 170 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN).....	6,051.00
23 21 16 00-0364	EA	5", 260 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN).....	8,814.15
23 21 16 00-0365	EA	6", 375 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN).....	11,322.03
23 21 16 00-0366	EA	8", 625 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN).....	17,623.29
23 21 16 00-0367	EA	10", 950 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN).....	25,956.68
23 21 16 00-0368	EA	12", 1,400 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN).....	33,549.21
23 21 16 00-0369		Swivel Joints (23 21 16)	
23 21 16 00-0370		Carbon Steel, Straight Through Swivel Joint (Dixon Style 20) (23 21 16 00-0369)	
Note: Includes BUNA-N Seat. For oil, gasoline, water, air, gas, and chemicals.			
23 21 16 00-0371	EA	1" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	363.92
23 21 16 00-0372	EA	1-1/2" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	523.02
23 21 16 00-0373	EA	2" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	732.05
23 21 16 00-0374	EA	3" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	1,093.17
23 21 16 00-0375	EA	4" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	1,384.57
For Stainless Steel, Add		1,750.55	
23 21 16 00-0376	EA	2" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	1,022.79
For Stainless Steel, Add		1,223.42	
23 21 16 00-0377	EA	3" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	1,381.26
23 21 16 00-0378	EA	4" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	1,764.78
23 21 16 00-0379	EA	6" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	3,260.42
23 21 16 00-0380		Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30) (23 21 16 00-0369)	
Note: Includes BUNA-N Seat. For oil, gasoline, water, air, gas, and chemicals.			
23 21 16 00-0381	EA	1" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30).....	462.10
For Stainless Steel, Add		595.02	
23 21 16 00-0382	EA	1-1/2" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30).....	569.39
For Stainless Steel, Add		710.64	
23 21 16 00-0383	EA	2" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30).....	766.45
For Stainless Steel, Add		980.16	
23 21 16 00-0384	EA	3" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30).....	1,232.29
For Stainless Steel, Add		1,561.58	
23 21 16 00-0385	EA	4" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30).....	1,611.79
For Stainless Steel, Add		2,091.38	
23 21 16 00-0386	EA	2" Flanged, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30).....	1,054.23
For Stainless Steel, Add		1,270.58	
23 21 16 00-0387	EA	3" Flanged, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30).....	1,561.35
For Stainless Steel, Add		1,945.31	
23 21 16 00-0388	EA	4" Flanged, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30).....	1,972.68
For Stainless Steel, Add		2,293.08	
23 21 16 00-0389	EA	6" Flanged, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30).....	3,403.99
For Stainless Steel, Add		4,263.89	
23 21 16 00-0390		Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40) (23 21 16 00-0369)	
Note: Includes BUNA-N Seat. For oil, gasoline, water, air, gas, and chemicals.			
23 21 16 00-0391	EA	1" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40).....	543.12
For Stainless Steel, Add		716.55	
23 21 16 00-0392	EA	1-1/2" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40).....	631.22
For Stainless Steel, Add		803.39	
23 21 16 00-0393	EA	2" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40).....	921.86
For Stainless Steel, Add		1,213.28	
23 21 16 00-0394	EA	3" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40).....	1,419.32
For Stainless Steel, Add		1,842.12	
23 21 16 00-0395	EA	4" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40).....	1,673.62
For Stainless Steel, Add		2,184.12	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0396	EA	2" Flanged, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	1,208.81	165.71
		<i>For Stainless Steel, Add</i>	1,502.45	
23 21 16 00-0397	EA	3" Flanged, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	1,753.01	132.20
		<i>For Stainless Steel, Add</i>	2,232.80	
23 21 16 00-0398	EA	4" Flanged, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	2,170.53	354.28
		<i>For Stainless Steel, Add</i>	2,589.86	
23 21 16 00-0399	EA	6" Flanged, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	3,829.06	447.51
		<i>For Stainless Steel, Add</i>	4,901.49	
23 21 16 00-0400		Basket Strainers (23 21 16)		
23 21 16 00-0401		Bronze Body Basket Strainers (23 21 16 00-0400)		
23 21 16 00-0402		Screwed Ends, Bronze Body Basket Strainers (23 21 16 00-0401)		
23 21 16 00-0403	EA	1/2" Screwed Ends, Bronze Body Basket Strainer	326.52	24.86
		<i>For Work In Restricted Working Space, Add</i>	14.80	
23 21 16 00-0404	EA	3/4" Screwed Ends, Bronze Body Basket Strainer	385.88	29.22
		<i>For Work In Restricted Working Space, Add</i>	17.39	
23 21 16 00-0405	EA	1" Screwed Ends, Bronze Body Basket Strainer	447.70	34.80
		<i>For Work In Restricted Working Space, Add</i>	20.72	
23 21 16 00-0406	EA	1-1/4" Screwed Ends, Bronze Body Basket Strainer	557.10	38.54
		<i>For Work In Restricted Working Space, Add</i>	23.10	
23 21 16 00-0407	EA	1-1/2" Screwed Ends, Bronze Body Basket Strainer	657.61	43.50
		<i>For Work In Restricted Working Space, Add</i>	26.08	
23 21 16 00-0408	EA	2" Screwed Ends, Bronze Body Basket Strainer	978.22	49.73
		<i>For Work In Restricted Working Space, Add</i>	29.87	
23 21 16 00-0409	EA	2-1/2" Screwed Ends, Bronze Body Basket Strainer	1,383.41	66.51
		<i>For Work In Restricted Working Space, Add</i>	40.00	
23 21 16 00-0410	EA	3" Screwed Ends, Bronze Body Basket Strainer	1,944.05	70.86
		<i>For Work In Restricted Working Space, Add</i>	42.43	
23 21 16 00-0411		Flanged, Bronze Body Basket Strainers (23 21 16 00-0401)		
23 21 16 00-0412	EA	2" Flanged, Bronze Body Basket Strainer	1,538.77	165.71
		<i>For Work In Restricted Working Space, Add</i>	62.15	
23 21 16 00-0413	EA	2-1/2" Flanged, Bronze Body Basket Strainer	2,309.45	180.25
		<i>For Work In Restricted Working Space, Add</i>	67.80	
23 21 16 00-0414	EA	3" Flanged, Bronze Body Basket Strainer	2,619.68	211.33
		<i>For Work In Restricted Working Space, Add</i>	79.34	
23 21 16 00-0415	EA	4" Flanged, Bronze Body Basket Strainer	4,429.68	354.28
		<i>For Work In Restricted Working Space, Add</i>	133.19	
23 21 16 00-0416	EA	6" Flanged, Bronze Body Basket Strainer	8,378.24	396.50
		<i>For Work In Restricted Working Space, Add</i>	149.22	
23 21 16 00-0417	EA	8" Flanged, Bronze Body Basket Strainer	15,258.76	506.64
		<i>For Work In Restricted Working Space, Add</i>	188.81	
23 21 16 00-0418		Iron Body Basket Strainers (23 21 16 00-0400)		
23 21 16 00-0419		Screwed Ends, Iron Body Basket Strainers (23 21 16 00-0418)		
23 21 16 00-0420	EA	1/2" Screwed Ends, Iron Body Basket Strainer	374.60	24.86
		<i>For Work In Restricted Working Space, Add</i>	14.80	
23 21 16 00-0421	EA	3/4" Screwed Ends, Iron Body Basket Strainer	422.02	29.22
		<i>For Work In Restricted Working Space, Add</i>	17.39	
23 21 16 00-0422	EA	1" Screwed Ends, Iron Body Basket Strainer	498.77	34.80
		<i>For Work In Restricted Working Space, Add</i>	20.72	
23 21 16 00-0423	EA	1-1/4" Screwed Ends, Iron Body Basket Strainer	652.93	38.54
		<i>For Work In Restricted Working Space, Add</i>	23.10	
23 21 16 00-0424	EA	1-1/2" Screwed Ends, Iron Body Basket Strainer	716.57	43.50
		<i>For Work In Restricted Working Space, Add</i>	26.08	
23 21 16 00-0425	EA	2" Screwed Ends, Iron Body Basket Strainer	851.54	49.73
		<i>For Work In Restricted Working Space, Add</i>	29.87	
23 21 16 00-0426	EA	2-1/2" Screwed Ends, Iron Body Basket Strainer	1,207.61	66.51
		<i>For Work In Restricted Working Space, Add</i>	40.00	
23 21 16 00-0427	EA	3" Screwed Ends, Iron Body Basket Strainer	1,364.90	70.86
		<i>For Work In Restricted Working Space, Add</i>	42.43	
23 21 16 00-0428		Flanged, Iron Body Basket Strainers (23 21 16 00-0418)		
23 21 16 00-0429	EA	2" Flanged, Iron Body Basket Strainer	1,485.66	165.71
		<i>For Work In Restricted Working Space, Add</i>	62.15	
23 21 16 00-0430	EA	2-1/2" Flanged, Iron Body Basket Strainer	1,949.18	180.25
		<i>For Work In Restricted Working Space, Add</i>	67.80	
23 21 16 00-0431	EA	3" Flanged, Iron Body Basket Strainer	2,098.82	211.33
		<i>For Work In Restricted Working Space, Add</i>	79.34	
23 21 16 00-0432	EA	4" Flanged, Iron Body Basket Strainer	3,204.74	354.28
		<i>For Work In Restricted Working Space, Add</i>	133.19	
23 21 16 00-0433	EA	6" Flanged, Iron Body Basket Strainer	5,870.72	396.50
		<i>For Work In Restricted Working Space, Add</i>	149.22	
23 21 16 00-0434	EA	8" Flanged, Iron Body Basket Strainer	10,542.23	506.64
		<i>For Work In Restricted Working Space, Add</i>	188.81	
23 21 16 00-0435	EA	10" Flanged, Iron Body Basket Strainer	15,686.58	616.77
		<i>For Work In Restricted Working Space, Add</i>	231.29	
23 21 16 00-0436	EA	12" Flanged, Iron Body Basket Strainer	19,249.92	777.58
		<i>For Work In Restricted Working Space, Add</i>	466.50	
23 21 16 00-0437	EA	14" Flanged, Iron Body Basket Strainer	23,428.49	881.11
		<i>For Work In Restricted Working Space, Add</i>	330.41	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 21 16 00-0438	EA	16" Flanged, Iron Body Basket Strainer	24,557.71	969.21
		<i>For Work In Restricted Working Space, Add</i>	363.46	
23 21 16 00-0439		Cast Steel Body Basket Strainers (23 21 16 00-0400)		
23 21 16 00-0440		Screwed Ends, Cast Steel Body Basket Strainers (23 21 16 00-0439)		
23 21 16 00-0441	EA	1" Screwed Ends, Cast Steel Body Basket Strainer	1,791.49	34.80
		<i>For Work In Restricted Working Space, Add</i>	20.72	
23 21 16 00-0442	EA	1-1/4" Screwed Ends, Cast Steel Body Basket Strainer	2,376.01	38.54
		<i>For Work In Restricted Working Space, Add</i>	23.10	
23 21 16 00-0443	EA	1-1/2" Screwed Ends, Cast Steel Body Basket Strainer	2,677.86	43.50
		<i>For Work In Restricted Working Space, Add</i>	26.07	
23 21 16 00-0444	EA	2" Screwed Ends, Cast Steel Body Basket Strainer	3,785.25	49.73
		<i>For Work In Restricted Working Space, Add</i>	29.86	
23 21 16 00-0445	EA	2-1/2" Screwed Ends, Cast Steel Body Basket Strainer	5,315.21	66.51
		<i>For Work In Restricted Working Space, Add</i>	40.00	
23 21 16 00-0446	EA	3" Screwed Ends, Cast Steel Body Basket Strainer	6,929.00	70.86
		<i>For Work In Restricted Working Space, Add</i>	42.44	
23 21 16 00-0447		Flanged, Cast Steel Body Basket Strainers (23 21 16 00-0439)		
23 21 16 00-0448	EA	2" Flanged, Cast Steel Body Basket Strainer	5,571.53	165.71
		<i>For Work In Restricted Working Space, Add</i>	62.15	
23 21 16 00-0449	EA	2-1/2" Flanged, Cast Steel Body Basket Strainer	8,071.83	180.25
		<i>For Work In Restricted Working Space, Add</i>	67.80	
23 21 16 00-0450	EA	3" Flanged, Cast Steel Body Basket Strainer	8,840.15	211.33
		<i>For Work In Restricted Working Space, Add</i>	79.34	
23 21 16 00-0451	EA	4" Flanged, Cast Steel Body Basket Strainer	12,486.39	354.28
		<i>For Work In Restricted Working Space, Add</i>	133.19	
23 21 16 00-0452	EA	6" Flanged, Cast Steel Body Basket Strainer	22,210.25	396.50
		<i>For Work In Restricted Working Space, Add</i>	149.22	
23 21 16 00-0453	EA	8" Flanged, Cast Steel Body Basket Strainer	36,209.26	506.64
		<i>For Work In Restricted Working Space, Add</i>	188.81	
23 21 16 00-0454		Stainless Steel Body Basket Strainers (23 21 16 00-0400)		
23 21 16 00-0455		Screwed Ends, Stainless Steel Body Basket Strainers (23 21 16 00-0454)		
23 21 16 00-0456	EA	1" Screwed Ends, Stainless Steel Body Basket Strainer	586.86	34.80
		<i>For Work In Restricted Working Space, Add</i>	20.72	
23 21 16 00-0457	EA	1-1/4" Screwed Ends, Stainless Steel Body Basket Strainer	843.45	38.54
		<i>For Work In Restricted Working Space, Add</i>	23.10	
23 21 16 00-0458	EA	1-1/2" Screwed Ends, Stainless Steel Body Basket Strainer	871.30	43.50
		<i>For Work In Restricted Working Space, Add</i>	26.07	
23 21 16 00-0459	EA	2" Screwed Ends, Stainless Steel Body Basket Strainer	1,286.38	49.73
		<i>For Work In Restricted Working Space, Add</i>	29.86	
23 21 16 00-0460	EA	2-1/2" Screwed Ends, Stainless Steel Body Basket Strainer	1,817.45	66.51
		<i>For Work In Restricted Working Space, Add</i>	40.00	
23 21 16 00-0461	EA	3" Screwed Ends, Stainless Steel Body Basket Strainer	2,563.83	70.86
		<i>For Work In Restricted Working Space, Add</i>	42.44	
23 21 16 00-0462		Flanged, Stainless Steel Body Basket Strainers (23 21 16 00-0454)		
23 21 16 00-0463	EA	2" Flanged, Stainless Steel Body Basket Strainer	1,973.34	165.71
		<i>For Work In Restricted Working Space, Add</i>	62.15	
23 21 16 00-0464	EA	2-1/2" Flanged, Stainless Steel Body Basket Strainer	2,976.50	180.25
		<i>For Work In Restricted Working Space, Add</i>	67.80	
23 21 16 00-0465	EA	3" Flanged, Stainless Steel Body Basket Strainer	3,371.28	211.33
		<i>For Work In Restricted Working Space, Add</i>	79.34	
23 21 16 00-0466	EA	4" Flanged, Stainless Steel Body Basket Strainer	5,698.86	354.28
		<i>For Work In Restricted Working Space, Add</i>	133.19	
23 21 16 00-0467	EA	6" Flanged, Stainless Steel Body Basket Strainer	8,700.16	396.50
		<i>For Work In Restricted Working Space, Add</i>	149.22	
23 21 16 00-0468	EA	8" Flanged, Stainless Steel Body Basket Strainer	15,086.74	506.64
		<i>For Work In Restricted Working Space, Add</i>	188.81	
23 21 16 00-0469		Air Vents (23 21 16)		
23 21 16 00-0470		Screwed Ends, Cast Iron, Automatic Air Vents (23 21 16 00-0469)		
		Note: With guided free floating lever.		
23 21 16 00-0471	EA	1/2" NPT, Cast Iron, Automatic Air Vent	342.18	36.05
23 21 16 00-0472	EA	3/4" NPT, Cast Iron, Automatic Air Vent	418.92	47.86
23 21 16 00-0473	EA	1" NPT, Cast Iron, Automatic Air Vent	955.17	49.73
23 21 16 00-0474	EA	1-1/4" NPT, Cast Iron, Automatic Air Vent	1,416.34	76.82
23 21 16 00-0475	EA	1-1/2" NPT, Cast Iron, Automatic Air Vent	2,361.74	82.67
23 21 16 00-0476	EA	2" NPT, Cast Iron, Automatic Air Vent	2,711.80	109.02
23 21 16 00-0477		Forged Steel, Stainless Steel Internals, Automatic Air Vents (23 21 16 00-0469)		
		Note: With guided free floating lever.		
23 21 16 00-0478	EA	1/2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	2,775.85	41.64
23 21 16 00-0479	EA	3/4" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	3,481.44	47.86
23 21 16 00-0480	EA	1" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	4,158.49	49.73
23 21 16 00-0481	EA	1-1/4" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	6,826.01	77.07
23 21 16 00-0482	EA	1-1/2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	7,887.33	82.67

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0483	EA	2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent.....	11,602.96	108.77
23 21 16 00-0484		Automatic Air Vent (23 21 16 00-0469)		
23 21 16 00-0485	EA	3/4" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR)	258.86	47.86
23 21 16 00-0486	EA	1" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR)	283.38	49.73
23 21 16 00-0487	EA	1-1/4" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR)	401.39	76.82
23 21 16 00-0488	EA	1-1/2" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR)	496.01	82.67
23 21 16 00-0489	EA	2" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR)	632.89	89.08
23 21 16 00-0490		Manual Air Vent (23 21 16 00-0469)		
23 21 16 00-0491	EA	Manual Air Vent	84.82	44.87
23 21 16 00-0492		Air Release Valves (23 21 16 00-0469)		
23 21 16 00-0493		Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50) (23 21 16 00-0492)		
		Note: Up to 175 psi. Stainless steel float.		
23 21 16 00-0494	EA	1/2" NPT, Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50)	200.29	18.65
23 21 16 00-0495	EA	3/4" NPT, Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50)	205.27	21.13
23 21 16 00-0496	EA	1" NPT, Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50)	215.21	26.11
23 21 16 00-0497		Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200) (23 21 16 00-0492)		
		Note: Up to 175 psi. Stainless steel float.		
23 21 16 00-0498	EA	1" NPT, Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200A)	813.91	26.11
23 21 16 00-0499	EA	2" NPT, Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200).....	978.18	45.38
23 21 16 00-0500	EA	3" Flanged, Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200)	1,283.59	105.79
23 21 16 00-0501		Cast Iron, Air/Vacuum Valves (23 21 16 00-0492)		
		Note: Up to 150 psi. Stainless steel float.		
23 21 16 00-0502	EA	1/2" NPT, Cast Iron, Air/Vacuum Valve (Apco 141).....	394.34	18.65
23 21 16 00-0503	EA	1" NPT, Cast Iron, Air/Vacuum Valve (Apco 142).....	486.88	26.11
23 21 16 00-0504	EA	2" NPT, Cast Iron, Air/Vacuum Valve (Apco 144).....	841.06	45.38
23 21 16 00-0505	EA	3" Flanged, Cast Iron, Air/Vacuum Valve (Apco 146).....	1,221.49	105.79
23 21 16 00-0506	EA	4" Flanged, Cast Iron, Air/Vacuum Valve (Apco 152).....	1,911.49	177.59
23 21 16 00-0507	EA	6" Flanged, Cast Iron, Air/Vacuum Valve (Apco 153).....	2,906.80	224.56
23 21 16 00-0508		Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (23 21 16 00-0492)		
		Note: Up to 150 psi. Stainless Steel float.		
23 21 16 00-0509	EA	1" NPT, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 143C).....	704.21	26.11
23 21 16 00-0510	EA	2" NPT, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 145C).....	1,081.68	45.38
23 21 16 00-0511	EA	3" Flanged, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 147C).....	1,984.75	105.79
23 21 16 00-0512	EA	4" Flanged, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 149C).....	2,576.42	177.59
23 21 23		Hydronic Pumps (23 21)		
23 21 23 13		In-Line Centrifugal Hydronic Pumps (23 21 23)		
23 21 23 13-0001		Cast Iron Single Stage In-Line Centrifugal Pump (23 21 23 13)		
		Note: For general service, 125 LB flanged, 3550 RPM TEFC motor. Includes packed stuffing boxes and ductile iron case.		
23 21 23 13-0002	EA	3 HP, 50 GPM At 100' Head, Single Stage Cast Iron In-Line Circulating Pump	6,577.08	331.99
		For Cast Steel Case, Add	1,004.69	
		For Mechanical Seal, Add	446.53	
23 21 23 13-0003	EA	5 HP, 75 GPM At 100' Head, Single Stage Cast Iron In-Line Circulating Pump	7,188.65	401.82
		For Cast Steel Case, Add	1,077.05	
		For Mechanical Seal, Add	478.69	
23 21 23 13-0004	EA	7-1/2 HP, 100 GPM At 150' Head, Single Stage Cast Iron In-Line Circulating Pump	8,311.36	477.38
		For Cast Steel Case, Add	1,238.47	
		For Mechanical Seal, Add	550.43	
23 21 23 13-0005	EA	10 HP, 125 GPM At 150' Head, Single Stage Cast Iron In-Line Circulating Pump	9,327.20	636.50
		For Cast Steel Case, Add	1,335.46	
		For Mechanical Seal, Add	593.54	
23 21 23 13-0006	EA	15 HP, 150 GPM At 200' Head, Single Stage Cast Iron In-Line Circulating Pump	10,686.43	693.74
		For Cast Steel Case, Add	1,548.90	
		For Mechanical Seal, Add	688.40	
23 21 23 13-0007	EA	30 HP, 200 GPM At 300' Head, Single Stage Cast Iron In-Line Circulating Pump	15,926.65	763.57
		For Cast Steel Case, Add	2,454.67	
		For Mechanical Seal, Add	1,090.97	
23 21 23 13-0008	EA	40 HP, 250 GPM At 300' Head, Single Stage Cast Iron In-Line Circulating Pump	18,725.29	953.61
		For Cast Steel Case, Add	2,855.40	
		For Mechanical Seal, Add	1,269.07	
23 21 23 13-0009	EA	50 HP, 300 GPM At 300' Head, Single Stage Cast Iron In-Line Circulating Pump	26,007.24	1,089.83
		For Cast Steel Case, Add	4,092.56	
		For Mechanical Seal, Add	1,818.91	
23 21 23 13-0010	EA	75 HP, 400 GPM At 400' Head, Single Stage Cast Iron In-Line Circulating Pump	33,036.00	1,142.14
		For Cast Steel Case, Add	5,329.71	
		For Mechanical Seal, Add	2,368.76	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 21 23 13-0011	EA	100 HP, 600 GPM At 400' Head, Single Stage Cast Iron In-Line Circulating Pump	36,111.71	1,468.14
		<i>For Cast Steel Case, Add</i>	5,707.11	
		<i>For Mechanical Seal, Add</i>	2,536.50	

23 21 23 13-0012 Cast Iron, Single Stage, Vertical In-Line, Close Coupled, Pump (23 21 23 13)

Note: For general service, 125 LB flanged, 1,800 RPM TEFC motor.

23 21 23 13-0013	EA	1/2 HP, 1-1/2" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	2,318.12	190.61
23 21 23 13-0014	EA	3/4 HP, 2" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	4,090.17	217.86
23 21 23 13-0015	EA	1 HP, 3" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	4,445.81	243.96
23 21 23 13-0016	EA	1-1/2 HP, 3" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	4,675.83	265.24
23 21 23 13-0017	EA	2 HP, 4" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	6,109.40	290.44
23 21 23 13-0018	EA	3 HP, 5" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	6,284.34	321.00
23 21 23 13-0019	EA	5 HP, 6" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	7,185.57	381.21
23 21 23 13-0020	EA	7-1/2 HP, 6" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	8,364.21	469.25
23 21 23 13-0021	EA	10 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	10,753.77	508.28
23 21 23 13-0022	EA	15 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	12,561.66	538.16
23 21 23 13-0023	EA	20 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	16,126.38	571.82
23 21 23 13-0024	EA	25 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	17,014.92	590.94
23 21 23 13-0025	EA	30 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	17,903.46	609.95
23 21 23 13-0026	EA	40 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	21,248.67	653.56
23 21 23 13-0027	EA	50 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	22,932.70	734.49
23 21 23 13-0028	EA	60 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	25,353.86	1,060.88
23 21 23 13-0029	EA	75 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	29,980.53	2,121.76
23 21 23 13-0030	EA	100 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	34,469.27	2,546.11

23 21 23 16 Base-Mounted, Centrifugal Hydronic Pumps (23 21 23)

See CSI section 26 29 23 00-0000 for variable frequency motor controllers.

23 21 23 16-0001 Single Stage, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump (23 21 23 16)

Note: 1800 RPM, welded steel baseplate, internally flushed mechanical seal, bronze wear ring, galvanized drip pan, and 3 phase 230/460V premium efficiency motor. Bell & Gossett 1510 Series.

23 21 23 16-0002	EA	5 HP, 50 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 1-1/4 BC, BF, 184T)	6,436.42	362.90
23 21 23 16-0003	EA	7.5 HP, 100 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 1-1/2 BC, BF, 213T)	7,217.30	363.35
23 21 23 16-0004	EA	10 HP, 225 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 2 E, BF, 215T)	9,512.81	477.38
23 21 23 16-0005	EA	15 HP, 250 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 2 E, BF, 254T)	10,430.25	587.27
23 21 23 16-0006	EA	15 HP, 300 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 3 G, BF, 254T)	11,668.69	587.27
23 21 23 16-0007	EA	20 HP, 350 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 3 E, BF, 256T)	11,356.26	636.50
23 21 23 16-0008	EA	20 HP, 500 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 4 E, BF, 256T)	12,060.36	636.50
23 21 23 16-0009	EA	25 HP, 600 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 4 E, BF, 284T)	13,175.76	667.41
23 21 23 16-0010	EA	30 HP, 750 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 5 E, BF, 286T)	14,675.08	848.29
23 21 23 16-0011	EA	40 HP, 1,050 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 5 E, BF, 324T)	15,535.75	953.61
23 21 23 16-0012	EA	60 HP, 1,500 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 6 E, BF, 364T)	23,846.63	2,230.47
23 21 23 16-0013	EA	75 HP, 2,000 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 8 G, BF, 365T)	34,514.24	2,676.09
23 21 23 16-0014	EA	100 HP, 3,000 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 8 G, BF, 404TS)	39,174.95	3,345.11

23 21 23 16-0015 Single Stage, Vertical Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump (23 21 23 16)

Note: 125 LB flanged, 1750 RPM drip-proof motor, common base plate 100' head. Standard seal and motor. For general service.

23 21 23 16-0016	EA	1-1/2 HP, 40 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	6,874.01	266.73
		<i>For 300 Lb. Flanges, Add</i>	1,598.25	
23 21 23 16-0017	EA	2 HP, 50 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	8,766.07	286.20
		<i>For 300 Lb. Flanges, Add</i>	2,084.19	
23 21 23 16-0018	EA	3 HP, 90 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	10,989.35	305.66
		<i>For 300 Lb. Flanges, Add</i>	2,620.14	
23 21 23 16-0019	EA	5 HP, 100 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	12,815.18	362.90
		<i>For 300 Lb. Flanges, Add</i>	3,040.25	
23 21 23 16-0020	EA	7-1/2 HP, 150 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	13,468.55	363.35
		<i>For 300 Lb. Flanges, Add</i>	3,195.42	
23 21 23 16-0021	EA	10 HP, 200 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	14,069.60	477.38
		<i>For 300 Lb. Flanges, Add</i>	3,302.75	
23 21 23 16-0022	EA	10 HP, 225 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	14,384.53	477.38
		<i>For 300 Lb. Flanges, Add</i>	3,381.49	
23 21 23 16-0023	EA	10 HP, 250 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	15,082.12	477.38
		<i>For 300 Lb. Flanges, Add</i>	3,555.88	
23 21 23 16-0024	EA	15 HP, 300 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	17,505.26	587.27
		<i>For 300 Lb. Flanges, Add</i>	4,112.13	
23 21 23 16-0025	EA	17-1/2 HP, 350 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	17,775.35	586.82
		<i>For 300 Lb. Flanges, Add</i>	4,169.00	
23 21 23 16-0026	EA	20 HP, 500 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	18,737.83	636.50
		<i>For 300 Lb. Flanges, Add</i>	4,398.26	
23 21 23 16-0027	EA	25 HP, 600 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	20,562.44	667.41
		<i>For 300 Lb. Flanges, Add</i>	4,831.54	
23 21 23 16-0028	EA	30 HP, 750 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	22,718.08	848.29
		<i>For 300 Lb. Flanges, Add</i>	5,297.92	
23 21 23 16-0029	EA	40 HP, 1,050 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	25,772.28	953.61
		<i>For 300 Lb. Flanges, Add</i>	6,013.77	
23 21 23 16-0030	EA	60 HP, 1,500 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	39,908.14	2,230.47
		<i>For 300 Lb. Flanges, Add</i>	8,901.82	
23 21 23 16-0031	EA	75 HP, 2,000 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	47,460.23	2,676.09
		<i>For 300 Lb. Flanges, Add</i>	10,574.80	
23 21 23 16-0032	EA	100 HP, 3,000 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	57,867.06	3,345.11
		<i>For 300 Lb. Flanges, Add</i>	12,853.94	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 21 23 16-0033

**Single Stage, Horizontal Split Case, Cast Iron, Horizontal End Suction,
Base Mounted Centrifugal Pump** (23 21 23 16)

Note: 125 LB flanged, 1750 RPM drip-proof motor, common base plate 100' head. Standard seal and motor. For general service.

23 21 23 16-0034	EA	1-1/2 HP, 40 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case.....	6,591.07	266.73
		For 300 Lb. Flanges, Add	1,527.52	
23 21 23 16-0035	EA	2 HP, 50 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case.....	6,765.85	286.20
		For 300 Lb. Flanges, Add	1,562.66	
23 21 23 16-0036	EA	3 HP, 90 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case.....	6,940.77	305.66
		For 300 Lb. Flanges, Add	1,597.82	
23 21 23 16-0037	EA	5 HP, 100 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case.....	7,539.76	312.53
		For 300 Lb. Flanges, Add	1,744.19	
23 21 23 16-0038	EA	7-1/2 HP, 100 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case.....	12,303.37	362.90
		For 300 Lb. Flanges, Add	2,912.30	
23 21 23 16-0039	EA	10 HP, 250 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case.....	14,905.06	477.38
		For 300 Lb. Flanges, Add	3,540.66	
23 21 23 16-0040	EA	15 HP, 350 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case.....	16,759.85	515.15
		For 300 Lb. Flanges, Add	3,975.32	
23 21 23 16-0041	EA	20 HP, 500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case.....	17,722.35	572.39
		For 300 Lb. Flanges, Add	4,166.41	
23 21 23 16-0042	EA	25 HP, 750 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case.....	19,738.50	571.62
		For 300 Lb. Flanges, Add	4,677.64	
23 21 23 16-0043	EA	40 HP, 1,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case.....	22,112.34	734.62
		For 300 Lb. Flanges, Add	5,197.67	
23 21 23 16-0044	EA	50 HP, 1,500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case.....	28,020.76	892.43
		For 300 Lb. Flanges, Add	6,575.10	
23 21 23 16-0045	EA	75 HP, 2,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case.....	35,768.22	1,114.64
		For 300 Lb. Flanges, Add	8,404.45	
23 21 23 16-0046	EA	3,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 100 HP.....	44,994.01	1,338.05
		For 300 Lb. Flanges, Add	10,603.37	
23 21 23 16-0047	EA	150 HP, 3,500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case.....	53,342.75	1,486.18
		For 300 Lb. Flanges, Add	12,618.88	
23 21 23 16-0048	EA	200 HP, 4,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case.....	61,353.82	1,911.49
		For 300 Lb. Flanges, Add	14,416.84	

23 21 23 16-0049

**Two Stage, Horizontal Split Case, Cast Iron, Horizontal End Suction, Base
Mounted Centrifugal Pump** (23 21 23 16)

Note: 3500 RPM drip-proof motor, common base plate 500' head. Packed stuffing box and boiler feed water service.

23 21 23 16-0050	EA	40 HP, 100 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case.....	41,887.80	587.27
		For 300 Lb. Flanges, Add	10,207.77	
23 21 23 16-0051	EA	50 HP, 200 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case.....	45,219.22	636.50
		For 300 Lb. Flanges, Add	11,018.61	
23 21 23 16-0052	EA	75 HP, 300 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case.....	60,328.60	845.27
		For 300 Lb. Flanges, Add	14,695.11	
23 21 23 16-0053	EA	100 HP, 400 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case.....	70,425.53	1,161.46
		For 300 Lb. Flanges, Add	17,074.20	
23 21 23 16-0054	EA	200 HP, 800 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case.....	97,722.28	1,548.62
		For 300 Lb. Flanges, Add	23,721.00	

23 21 23 16-0055

Cast Iron Close Coupling Pumps (23 21 23 16)

23 21 23 16-0056

Foot Mounted Cast Iron Close Coupled Pumps (23 21 23 16-0055)

23 21 23 16-0057	EA	3 HP, 90 GPM At 50' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 1-1/2 AC, BF, 182JM).....	5,764.19	343.44
23 21 23 16-0058	EA	3 HP, 150 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 2-1/2 AB, BF, 182JM).....	6,270.70	343.44
23 21 23 16-0059	EA	5 HP, 225 GPM At 50' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 2-1/2 BB, BF, 184JM).....	6,970.81	362.52
23 21 23 16-0060	EA	5 HP, 350 GPM At 25' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 4 AC, BF, 184JM).....	7,418.87	362.52
23 21 23 16-0061	EA	7.5 HP, 350 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 4 AC, BF, 213JM).....	8,522.52	381.21
23 21 23 16-0062	EA	10 HP, 600 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 5 A, BF, 215JM).....	10,101.42	458.92
23 21 23 16-0063	EA	15 HP, 1,000 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 254JP).....	13,256.70	565.34
23 21 23 16-0064	EA	20 HP, 1,350 GPM At 30' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 256JP).....	14,192.19	611.88
23 21 23 16-0065	EA	25 HP, 1,550 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 284JP).....	16,431.83	660.83

23 21 23 16-0066

Pumps, Polypropylene Body, Housing And Impeller, 115/230 Volt (23 21 23 16)

23 21 23 16-0067	EA	1/3 HP, Centrifugal Pump, Polypropylene Body.....	1,456.83	177.39
23 21 23 16-0068	EA	1/2 HP, Centrifugal Pump, Polypropylene Body.....	1,554.01	188.08
23 21 23 16-0069	EA	3/4 HP, Centrifugal Pump, Polypropylene Body.....	1,809.79	200.26

23 21 23 23

Vertical-Turbine Hydronic Pumps (23 21 23)

See CSI section 26 29 23 00-0000 for variable frequency motor controllers.

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 21 23 23-0001	Cast Iron, Bronze Fitted Vertical Turbine Wet Sump Pumps (23 21 23 23)			
	Note: For water supply, cooling towers and process liquids. Multi-stage 1750 RPM drip-proof motor. For 1' to 5' sump depth.			
23 21 23 23-0002	EA	2 HP, 50 GPM Cast Iron Turbine Pump, 3" Discharge 100' Head, 10 Stage.....	13,381.47	848.29
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	350.56	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	484.38	
		For Each Extra Column Assembly <60", Add	1,121.40	
23 21 23 23-0003	EA	3 HP, 100 GPM Cast Iron Turbine Pump, 4" Discharge 100' Head, 7 Stage.....	15,453.36	953.61
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	412.31	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	566.84	
		For Each Extra Column Assembly <60", Add	1,287.56	
23 21 23 23-0004	EA	15 HP, 250 GPM Cast Iron Turbine Pump, 6" Discharge 150' Head, 5 Stage.....	18,527.36	892.43
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	491.82	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	677.09	
		For Each Extra Column Assembly <60", Add	1,546.19	
23 21 23 23-0005	EA	25 HP, 500 GPM Cast Iron Turbine Pump, 6" Discharge 150' Head, 3 Stage.....	21,886.92	1,029.82
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	590.44	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	809.31	
		For Each Extra Column Assembly <60", Add	1,817.12	
23 21 23 23-0006	EA	50 HP, 1,000 GPM Cast Iron Turbine Pump, 8" Discharge 150' Head, 2 Stage.....	27,000.80	1,114.64
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	738.34	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	1,008.35	
		For Each Extra Column Assembly <60", Add	2,231.75	
23 21 23 23-0007	EA	100 HP, 2,000 GPM Cast Iron Turbine Pump, 10" Discharge 150' Head, 3 Stage.....	35,540.36	1,338.05
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	980.19	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	1,335.60	
		For Each Extra Column Assembly <60", Add	2,929.25	
23 21 23 23-0008	EA	150 HP, 3,000 GPM Cast Iron Turbine Pump, 10" Discharge 150' Head, 2 Stage.....	42,519.15	1,672.56
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	1,168.05	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	1,593.24	
		For Each Extra Column Assembly <60", Add	3,509.05	
23 21 23 23-0009	EA	200 HP, 4,000 GPM Cast Iron Turbine Pump, 12" Discharge 150' Head, 2 Stage.....	68,302.91	1,911.49
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	1,926.21	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	2,609.23	
		For Each Extra Column Assembly <60", Add	5,587.11	
23 21 23 23-0010	EA	250 HP, 6,000 GPM Cast Iron Turbine Pump, 14" Discharge 150' Head, 2 Stage.....	89,635.55	2,230.47
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	2,545.70	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	3,442.06	
		For Each Extra Column Assembly <60", Add	7,314.21	
23 21 23 23-0011	EA	300 HP, 10,000 GPM Cast Iron Turbine Pump, 18" Discharge 100' Head, 2 Stage.....	125,603.10	2,676.09
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	3,596.06	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	4,852.09	
		For Each Extra Column Assembly <60", Add	10,220.28	

23 21 29 Automatic Condensate Pump Units (23 21)

23 21 29 00-0001	Automatic Shallow Pan Condensate Pump (23 21 29)			
23 21 29 00-0002	EA	1/150 HP, 205 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 1-ABS).....	228.48	37.20
23 21 29 00-0003	EA	1/40 HP, 300 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 2-ABS).....	247.75	37.20
23 21 29 00-0004	EA	1/12 HP, 310 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 3-ABS).....	386.01	42.93
23 21 29 00-0005	Automatic Condensate Pump With Tank (23 21 29)			
23 21 29 00-0006	EA	1/20 HP Automatic Condensate Pump With Tank (Hartell KT-15-1UL).....	125.47	28.62
23 21 29 00-0007	EA	1/30 HP Automatic Condensate Pump With Tank (Little Giant VCMX-20).....	133.70	28.62
23 21 29 00-0008	EA	1/50 HP, 200 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-14ULS).....	222.18	37.20
23 21 29 00-0009	EA	1/18 HP, 270 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-24ULS).....	239.92	42.93
23 21 29 00-0010	EA	1/5 HP, 450 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-45ULS).....	442.30	48.66
		Condensate Pump.....		

23 22 Steam and Condensate Piping and Pumps (23 20)**23 22 16 Steam and Condensate Heating Piping Specialties** (23 22)

23 22 16 00-0001	High Temperature Safety Relief Valve (23 22 16)			
	Note: Used in steam or water boiler, heating systems and unfired pressure vessel applications.			
23 22 16 00-0002	Cast Iron Body Safety Valve, Steam Or Water (23 22 16 00-0001)			
	Note: Variable set points to 500 PSIG pressure, 400 Degree F temperature range.			
23 22 16 00-0003	Threaded (23 22 16 00-0002)			
23 22 16 00-0004	EA	3/4" x 1" Threaded Cast Iron Body Safety Relief Valve, Steam or Water.....	505.85	18.64
23 22 16 00-0005	EA	1" x 1-1/4" Threaded Cast Iron Body Safety Relief Valve, Steam or Water.....	530.04	22.06
23 22 16 00-0006	EA	1-1/4" x 1-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water.....	585.60	27.96
23 22 16 00-0007	EA	1-1/2" x 2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water.....	721.43	31.07
23 22 16 00-0008	EA	2" x 2-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water.....	923.23	38.21
23 22 16 00-0009	EA	2-1/2" x 2-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water.....	1,428.55	43.49
23 22 16 00-0010	EA	3" x 3" Threaded Cast Iron Body Safety Relief Valve, Steam or Water.....	1,548.75	50.02
23 22 16 00-0011	Flanged (23 22 16 00-0002)			
23 22 16 00-0012	EA	1-1/2" x 2-1/2" Flanged Cast Iron Body Safety Relief Valve, Steam or Water.....	3,540.30	130.47
23 22 16 00-0013	EA	2" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water.....	4,124.83	196.13
23 22 16 00-0014	EA	2-1/2" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water.....	4,554.50	180.59
23 22 16 00-0015	EA	2-1/2" x 4" Flanged Cast Iron Body Safety Relief Valve, Steam or Water.....	5,534.90	260.84
23 22 16 00-0016	EA	3" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water.....	5,901.36	194.52

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 16 00-0017	EA	3" x 4" Flanged Cast Iron Body Safety Relief Valve, Steam or Water.....	6,935.92	260.84
23 22 16 00-0018	EA	4" x 6" Flanged Cast Iron Body Safety Relief Valve, Steam or Water.....	11,602.33	370.15
23 22 16 00-0019	EA	6" x 8" Flanged Cast Iron Body Safety Relief Valve, Steam or Water.....	23,055.07	413.39
23 22 16 00-0020 Bronze Body Safety Valve, Threaded, Steam (23 22 16 00-0001)				
Note: Variable set points to 250 PSIG pressure, 400 Degree F temperature range. Valve also can be set for Air or Gas with variable set points to 300 PSIG pressure.				
23 22 16 00-0021	EA	3/4" x 3/4" Threaded Bronze Body Safety Relief Valve, Steam.....	549.70	17.09
23 22 16 00-0022	EA	3/4" x 1" Threaded Bronze Body Safety Relief Valve, Steam.....	563.32	18.64
23 22 16 00-0023	EA	1" x 1" Threaded Bronze Body Safety Relief Valve, Steam.....	659.06	20.50
23 22 16 00-0024	EA	1" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Steam.....	727.66	22.06
23 22 16 00-0025	EA	1-1/4" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Steam.....	841.78	24.85
23 22 16 00-0026	EA	1-1/4" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Steam.....	846.62	27.96
23 22 16 00-0027	EA	1-1/2" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Steam.....	951.84	29.51
23 22 16 00-0028	EA	1-1/2" x 2" Threaded Bronze Body Safety Relief Valve, Steam.....	1,037.06	31.07
23 22 16 00-0029	EA	2" x 2" Threaded Bronze Body Safety Relief Valve, Steam.....	1,438.24	34.79
23 22 16 00-0030	EA	2" x 2-1/2" Threaded Bronze Body Safety Relief Valve, Steam.....	1,571.86	38.21
23 22 16 00-0031	EA	2-1/2" x 2-1/2" Threaded Bronze Body Safety Relief Valve, Steam.....	1,875.11	43.49
23 22 16 00-0032 Bronze Body Safety Valve, Threaded, Water (23 22 16 00-0001)				
Note: Variable set points to 160 psig pressure, 250 Degree F temperature range.				
23 22 16 00-0033	EA	3/4" x 3/4" Threaded Bronze Body Safety Relief Valve, Water.....	260.46	17.09
23 22 16 00-0034	EA	3/4" x 1" Threaded Bronze Body Safety Relief Valve, Water.....	296.65	18.64
23 22 16 00-0035	EA	1" x 1" Threaded Bronze Body Safety Relief Valve, Water.....	409.91	20.50
23 22 16 00-0036	EA	1" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Water.....	451.23	22.06
23 22 16 00-0037	EA	1-1/4" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Water.....	651.36	24.85
23 22 16 00-0038	EA	1-1/2" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Water.....	877.91	29.51
23 22 16 00-0039	EA	2" x 2" Threaded Bronze Body Safety Relief Valve, Water.....	1,279.00	34.79
23 22 16 00-0040 Steam Temperature Regulator, Iron Body (23 22 16)				
23 22 16 00-0041 Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body (23 22 16 00-0040)				
Note: Up to 150 PSI.				
23 22 16 00-0042	EA	1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,349.08	17.89
23 22 16 00-0043	EA	3/4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,420.14	24.10
23 22 16 00-0044	EA	1" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,884.38	29.70
23 22 16 00-0045	EA	1-1/4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,081.27	37.53
23 22 16 00-0046	EA	1-1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,136.18	43.11
23 22 16 00-0047	EA	2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,523.71	46.91
23 22 16 00-0048	EA	2-1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,216.00	85.93
23 22 16 00-0049	EA	3" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	4,720.54	93.71
23 22 16 00-0050	EA	4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	6,902.12	219.35
23 22 16 00-0051	EA	6" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	11,501.61	257.45
23 22 16 00-0052 Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body (23 22 16 00-0040)				
23 22 16 00-0053	EA	1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,998.91	17.89
23 22 16 00-0054	EA	3/4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,070.97	24.10
23 22 16 00-0055	EA	1" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,163.85	29.70
23 22 16 00-0056	EA	1-1/4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,590.44	37.53
23 22 16 00-0057	EA	1-1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,775.53	43.11
23 22 16 00-0058	EA	2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,151.54	46.91
23 22 16 00-0059	EA	2-1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	4,831.59	85.93
23 22 16 00-0060	EA	3" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	6,541.41	93.71
23 22 16 00-0061	EA	4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	9,036.74	219.35
23 22 16 00-0062	EA	6" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	14,616.23	257.45
23 22 16 00-0063 Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body (23 22 16 00-0040)				
23 22 16 00-0064	EA	1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,723.45	17.89
23 22 16 00-0065	EA	3/4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,763.89	24.10
23 22 16 00-0066	EA	1" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,025.24	29.70
23 22 16 00-0067	EA	1-1/4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,294.88	37.53
23 22 16 00-0068	EA	1-1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,414.88	43.11
23 22 16 00-0069	EA	2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,852.17	46.91
23 22 16 00-0070	EA	2-1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	7,128.63	85.93
23 22 16 00-0071	EA	3" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	9,270.31	93.71
23 22 16 00-0072	EA	4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	11,708.63	219.35
23 22 16 00-0073	EA	6" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	16,432.31	257.45
23 22 16 00-0074 Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body (23 22 16 00-0040)				
23 22 16 00-0075	EA	1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,489.14	17.89
23 22 16 00-0076	EA	3/4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,525.76	24.10
23 22 16 00-0077	EA	1" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,829.20	29.70
23 22 16 00-0078	EA	1-1/4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,991.62	37.53
23 22 16 00-0079	EA	1-1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	4,146.09	43.11

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 22 Steam and Condensate Piping and Pumps**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 22 16 00-0080	EA	2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	4,514.48	46.91
23 22 16 00-0081	EA	2-1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	7,511.47	85.93
23 22 16 00-0082	EA	3" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	9,745.73	93.71
23 22 16 00-0083	EA	4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	12,184.05	219.35
23 22 16 00-0084	EA	6" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	16,907.73	257.45

23 22 16 00-0085 Steam Traps (23 22 16)**23 22 16 00-0086 Inverted Bucket Steam Traps (23 22 16 00-0085)**

23 22 16 00-0087	EA	1/2" 250 PSI Inverted Bucket Cast Iron Steam Trap	333.50	37.29
		<i>For Work In Restricted Working Space, Add</i>	22.37	
23 22 16 00-0088	EA	3/4" 250 PSI Inverted Bucket Cast Iron Steam Trap	336.61	38.84
		<i>For Work In Restricted Working Space, Add</i>	23.31	
23 22 16 00-0089	EA	1" 250 PSI Inverted Bucket Cast Iron Steam Trap	499.67	41.40
		<i>For Work In Restricted Working Space, Add</i>	24.86	
23 22 16 00-0090	EA	1-1/4" 250 PSI Inverted Bucket Cast Iron Steam Trap	807.67	56.50
		<i>For Work In Restricted Working Space, Add</i>	33.90	
23 22 16 00-0091	EA	1-1/2" 250 PSI Inverted Bucket Cast Iron Steam Trap	1,201.58	69.61
		<i>For Work In Restricted Working Space, Add</i>	41.43	
23 22 16 00-0092	EA	2" 250 PSI Inverted Bucket Cast Iron Steam Trap	1,534.15	103.59
		<i>For Work In Restricted Working Space, Add</i>	62.16	

23 22 16 00-0093 Float And Thermostatic Steam Traps (23 22 16 00-0085)

23 22 16 00-0094	EA	3/4" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap	352.50	38.84
		<i>For Work In Restricted Working Space, Add</i>	23.31	
23 22 16 00-0095	EA	1" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap	463.87	41.43
		<i>For Work In Restricted Working Space, Add</i>	24.86	
23 22 16 00-0096	EA	1-1/4" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap	574.01	56.50
		<i>For Work In Restricted Working Space, Add</i>	33.90	
23 22 16 00-0097	EA	1-1/2" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap	839.72	69.06
		<i>For Work In Restricted Working Space, Add</i>	41.44	
23 22 16 00-0098	EA	2" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap	1,417.56	103.55
		<i>For Work In Restricted Working Space, Add</i>	62.15	
23 22 16 00-0099	EA	3/4" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap	448.17	38.84
		<i>For Work In Restricted Working Space, Add</i>	23.31	
23 22 16 00-0100	EA	1" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap	487.03	41.40
		<i>For Work In Restricted Working Space, Add</i>	24.86	
23 22 16 00-0101	EA	1-1/4" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap	637.15	56.50
		<i>For Work In Restricted Working Space, Add</i>	33.90	
23 22 16 00-0102	EA	1-1/2" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap	992.54	69.00
		<i>For Work In Restricted Working Space, Add</i>	41.44	
23 22 16 00-0103	EA	2" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap	1,558.60	103.59
		<i>For Work In Restricted Working Space, Add</i>	62.15	
23 22 16 00-0104	EA	3/4" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap	580.79	38.84
		<i>For Work In Restricted Working Space, Add</i>	23.31	
23 22 16 00-0105	EA	1" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap	647.01	41.43
		<i>For Work In Restricted Working Space, Add</i>	24.86	
23 22 16 00-0106	EA	1-1/4" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap	984.49	56.50
		<i>For Work In Restricted Working Space, Add</i>	33.90	
23 22 16 00-0107	EA	1-1/2" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap	1,183.90	69.00
		<i>For Work In Restricted Working Space, Add</i>	41.44	
23 22 16 00-0108	EA	2" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap	1,956.44	103.59
		<i>For Work In Restricted Working Space, Add</i>	62.15	
23 22 16 00-0109	EA	3/4" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap	589.21	38.84
		<i>For Work In Restricted Working Space, Add</i>	23.31	
23 22 16 00-0110	EA	1" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap	647.01	41.43
		<i>For Work In Restricted Working Space, Add</i>	24.86	
23 22 16 00-0111	EA	1-1/4" 150 PSI Max Pressure Float And Thermostatic Steam Trap	984.49	56.50
		<i>For Work In Restricted Working Space, Add</i>	33.90	
23 22 16 00-0112	EA	1-1/2" 150 PSI Max Pressure Float And Thermostatic Steam Trap	1,183.90	69.00
		<i>For Work In Restricted Working Space, Add</i>	41.44	
23 22 16 00-0113	EA	2" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap	1,956.44	103.59
		<i>For Work In Restricted Working Space, Add</i>	62.15	

23 22 16 00-0114 Thermostatic Steam Traps (23 22 16 00-0085)

23 22 16 00-0115	EA	1/2" 25 PSI Maximum Pressure Thermostatic Steam Trap	172.24	37.29
		<i>For Work In Restricted Working Space, Add</i>	22.37	
23 22 16 00-0116	EA	3/4" 25 PSI Maximum Pressure Thermostatic Steam Trap	286.07	38.84
		<i>For Work In Restricted Working Space, Add</i>	23.31	
23 22 16 00-0117	EA	1" 25 PSI Maximum Pressure Thermostatic Steam Trap	352.80	41.40
		<i>For Work In Restricted Working Space, Add</i>	24.86	

23 22 16 00-0118 Thermodynamic Steam Traps (23 22 16 00-0085)

23 22 16 00-0119	EA	3/8" 600 PSI Maximum Pressure Thermodynamic Steam Trap	376.70	33.57
23 22 16 00-0120	EA	1/2" 600 PSI Maximum Pressure Thermodynamic Steam Trap	533.48	37.29
23 22 16 00-0121	EA	3/4" 600 PSI Maximum Pressure Thermodynamic Steam Trap	660.77	38.84
23 22 16 00-0122	EA	1" 600 PSI Maximum Pressure Thermodynamic Steam Trap	884.87	41.40

23 22 16 00-0123 Steam Moisture Separator (23 22 16 00-0085)

23 22 16 00-0124	EA	1/2" Steam Moisture Separator, Threaded (Spirax Sarco S1)	805.37	62.15
23 22 16 00-0125	EA	3/4" Steam Moisture Separator, Threaded (Spirax Sarco S1)	853.86	83.91
23 22 16 00-0126	EA	1" Steam Moisture Separator, Threaded (Spirax Sarco S1)	1,028.13	94.48

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 16 00-0127	EA	1-1/2" Steam Moisture Separator, Threaded (Spirax Sarco S2).....	1,626.11	108.15
23 22 16 00-0128	EA	2" Steam Moisture Separator, Flanged (Spirax Sarco S3).....	1,991.75	165.71
23 22 16 00-0129	EA	2-1/2" Steam Moisture Separator, Flanged (Spirax Sarco S3).....	2,999.29	180.25
23 22 16 00-0130	EA	3" Steam Moisture Separator, Flanged (Spirax Sarco S3).....	3,428.75	211.33
23 22 16 00-0131	EA	4" Steam Moisture Separator, Flanged (Spirax Sarco S3).....	4,734.02	354.28
23 22 16 00-0132	EA	6" Steam Moisture Separator, Flanged (Spirax Sarco S3).....	9,247.66	447.51
23 22 16 00-0133 Steam/Condensate Meter (23 22 16)				
Note: Meter shall be of the rotary volumetric type and sized on the maximum estimated steam demand.				
23 22 16 00-0134	EA	1" Steam/Condensate Meter.....	10,994.71	102.98
		For Direct Reading Pressure Gauge, Add	79.82	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	
		For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
		For Contactor Used For Dial Counter, Add	567.00	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
23 22 16 00-0135	EA	2" Steam/Condensate Meter.....	12,399.89	121.00
		For Direct Reading Pressure Gauge, Add	79.82	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	
		For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
		For Contactor Used For Dial Counter, Add	567.00	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
23 22 16 00-0136	EA	2-1/2" Steam/Condensate Meter.....	13,129.38	150.17
		For Direct Reading Pressure Gauge, Add	79.82	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	
		For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
		For Contactor Used For Dial Counter, Add	567.00	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
23 22 16 00-0137	EA	3" Steam/Condensate Meter.....	13,882.89	197.38
		For Direct Reading Pressure Gauge, Add	79.82	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	
		For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
		For Contactor Used For Dial Counter, Add	567.00	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
23 22 16 00-0138	EA	4" Steam/Condensate Meter.....	15,562.81	306.65
		For Direct Reading Pressure Gauge, Add	79.82	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	
		For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
		For Contactor Used For Dial Counter, Add	567.00	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
23 22 16 00-0139	EA	6" Steam/Condensate Meter.....	26,797.45	387.89
		For Direct Reading Pressure Gauge, Add	79.82	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	
		For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
		For Contactor Used For Dial Counter, Add	567.00	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
23 22 16 00-0140	EA	8" Steam/Condensate Meter.....	27,662.56	489.72
		For Direct Reading Pressure Gauge, Add	79.82	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	
		For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
		For Contactor Used For Dial Counter, Add	567.00	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
23 22 16 00-0141	EA	10" Steam/Condensate Meter.....	28,846.02	600.71
		For Direct Reading Pressure Gauge, Add	79.82	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	
		For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
		For Contactor Used For Dial Counter, Add	567.00	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
23 22 16 00-0142	EA	12" Steam/Condensate Meter.....	30,130.24	729.44
		For Direct Reading Pressure Gauge, Add	79.82	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	
		For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
		For Contactor Used For Dial Counter, Add	567.00	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
23 22 16 00-0143	EA	14" Steam/Condensate Meter.....	31,989.95	858.15
		For Direct Reading Pressure Gauge, Add	79.82	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	
		For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
		For Contactor Used For Dial Counter, Add	567.00	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
23 22 16 00-0144	EA	16" Steam/Condensate Meter.....	33,063.51	943.97
		For Direct Reading Pressure Gauge, Add	79.82	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	
		For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
		For Contactor Used For Dial Counter, Add	567.00	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
23 22 23 Steam Condensate Pumps (23 22)				
23 22 23 13 Electric-Driven Steam Condensate Pumps (23 22 23)				
23 22 23 13-0001		Simplex Condensate Pumps And Motors (23 22 23 13)		
Note: Cast iron receiver, float switch.				
23 22 23 13-0002 20 PSI Discharge Pressure (23 22 23 13-0001)				
23 22 23 13-0003	EA	3 To 6 GPM Simplex Condensate Pump And 1/3 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	2,049.32	582.70
23 22 23 13-0004	EA	9 To 12 GPM Simplex Condensate Pump And 1/3 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	2,597.15	598.73

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 22 Steam and Condensate Piping and Pumps**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 22 23 13-0005	EA	15 GPM Simplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	2,719.17	638.79
23 22 23 13-0006	EA	22.5 GPM Simplex Condensate Pump And 1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	2,980.74	645.66
23 22 23 13-0007	EA	30 GPM Simplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	3,326.13	702.90
23 22 23 13-0008	EA	37.5 GPM Simplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	4,811.38	702.90
23 22 23 13-0009	EA	45 GPM Simplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	4,899.95	750.98
23 22 23 13-0010	EA	60 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	5,945.95	785.32
23 22 23 13-0011	EA	75 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	6,012.80	819.67
23 22 23 13-0012 30 PSI Discharge Pressure (23 22 23 13-0001)				
23 22 23 13-0013	EA	3 To 6 GPM Simplex Condensate Pump And 1/2 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	2,341.21	622.76
23 22 23 13-0014	EA	9 To 12 GPM Simplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	3,009.38	638.79
23 22 23 13-0015	EA	15 GPM Simplex Condensate Pump And 3/4 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	3,128.97	681.15
23 22 23 13-0016	EA	22.5 GPM Simplex Condensate Pump And 1 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	3,606.52	736.10
23 22 23 13-0017	EA	30 To 37.5 GPM Simplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	4,899.95	752.13
23 22 23 13-0018	EA	45 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	5,036.76	778.45
23 22 23 13-0019	EA	60 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	5,194.09	819.67
23 22 23 13-0020	EA	75 GPM Simplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	6,006.83	872.33
23 22 23 13-0021 40 PSI Discharge Pressure (23 22 23 13-0001)				
23 22 23 13-0022	EA	3 To 6 GPM Simplex Condensate Pump And 1 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	2,614.26	714.34
23 22 23 13-0023	EA	9 To 15 GPM Simplex Condensate Pump And 1 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	3,264.72	771.58
23 22 23 13-0024	EA	22.5 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	3,802.30	762.43
23 22 23 13-0025	EA	30 To 37.5 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	5,013.16	778.45
23 22 23 13-0026	EA	45 GPM Simplex Condensate Pump And 2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	5,123.66	811.66
23 22 23 13-0027	EA	60 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	6,012.80	819.67
23 22 23 13-0028	EA	75 GPM Simplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	6,107.10	872.33
23 22 23 13-0029 50 PSI Discharge Pressure (23 22 23 13-0001)				
23 22 23 13-0030	EA	3 To 6 GPM Simplex Condensate Pump And 2 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	4,789.19	773.88
23 22 23 13-0031	EA	9 To 15 GPM Simplex Condensate Pump And 2 HP Motor With 13.6 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	3,523.82	789.91
23 22 23 13-0032	EA	22.5 GPM Simplex Condensate Pump And 2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	4,022.51	795.63
23 22 23 13-0033	EA	30 To 45 GPM Simplex Condensate Pump And 3 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	5,216.77	865.46
23 22 23 13-0034	EA	60 To 75 GPM Simplex Condensate Pump And 5 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	8,126.31	933.01
23 22 23 13-0035 Duplex Condensate Pumps And Motors (23 22 23 13)				
Note: Cast iron receiver, float switch, alternator assembly.				
23 22 23 13-0036 20 PSI Discharge Pressure (23 22 23 13-0035)				
23 22 23 13-0037	EA	9 To 12 GPM Duplex Condensate Pump And 1/3 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	3,337.81	781.89
23 22 23 13-0038	EA	15 GPM Duplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	3,544.28	858.59
23 22 23 13-0039	EA	22.5 GPM Duplex Condensate Pump And 1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	3,855.39	865.46
23 22 23 13-0040	EA	30 GPM Duplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	4,302.45	943.31
23 22 23 13-0041	EA	37.5 GPM Duplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	5,905.66	943.31
23 22 23 13-0042	EA	45 GPM Duplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	6,032.04	1,016.57
23 22 23 13-0043	EA	60 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	7,110.54	1,061.22
23 22 23 13-0044	EA	75 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	7,293.31	1,113.88
23 22 23 13-0045 30 PSI Discharge Pressure (23 22 23 13-0035)				

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 23 13-0046 EA 9 To 12 GPM Duplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	4,283.50	842.56
23 22 23 13-0047 EA 15 GPM Duplex Condensate Pump And 3/4 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	4,494.57	920.41
23 22 23 13-0048 EA 22.5 GPM Duplex Condensate Pump And 1 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	4,969.82	897.52
23 22 23 13-0049 EA 30 To 37.5 GPM Duplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	6,032.04	1,016.57
23 22 23 13-0050 EA 45 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	6,206.07	1,054.35
23 22 23 13-0051 EA 60 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	7,057.37	1,113.88
23 22 23 13-0052 EA 75 GPM Duplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	7,413.51	1,194.02
23 22 23 13-0053 40 PSI Discharge Pressure (23 22 23 13-0035)		
23 22 23 13-0054 EA 9 To 15 GPM Duplex Condensate Pump And 1 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	4,668.14	993.68
23 22 23 13-0055 EA 22.5 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	5,141.49	1,038.33
23 22 23 13-0056 EA 30 To 37.5 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	6,220.22	1,054.35
23 22 23 13-0057 EA 45 GPM Duplex Condensate Pump And 2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	6,404.18	1,107.01
23 22 23 13-0058 EA 60 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	7,294.49	1,113.88
23 22 23 13-0059 EA 75 GPM Duplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	7,441.83	1,194.02
23 22 23 13-0060 50 PSI Discharge Pressure (23 22 23 13-0035)		
23 22 23 13-0061 EA 9 To 15 GPM Duplex Condensate Pump And 2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	4,863.97	993.68
23 22 23 13-0062 EA 22.5 GPM Duplex Condensate Pump And 2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	5,254.66	1,092.13
23 22 23 13-0063 EA 30 To 45 GPM Duplex Condensate Pump And 3 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	6,552.69	1,186.00
23 22 23 13-0064 EA 60 To 75 GPM Duplex Condensate Pump And 5 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	11,202.07	1,284.45
23 23 Refrigerant Piping (23 20)		
23 23 13 Refrigerant Piping Valves (23 23)		
23 23 13 00-0001 Ball Valves (23 23 13)		
23 23 13 00-0002 Refrigeration Ball Valves, Sweat, 1400 Series (23 23 13 00-0001)		
23 23 13 00-0003 EA 3/8" Refrigeration Ball Valve, Sweated	49.90	12.43
23 23 13 00-0004 EA 1/2" Refrigeration Ball Valve, Sweated	51.91	12.43
23 23 13 00-0005 EA 5/8" Refrigeration Ball Valve, Sweated	69.20	12.43
23 23 13 00-0006 EA 7/8" Refrigeration Ball Valve, Sweated	92.66	13.67
23 23 13 00-0007 EA 1-1/8" Refrigeration Ball Valve, Sweated	129.47	15.53
23 23 13 00-0008 EA 1-5/8" Refrigeration Ball Valve, Sweated	210.53	19.13
23 23 13 00-0009 Shut-Off Valves (23 23 13)		
23 23 13 00-0010 Packless (23 23 13 00-0009)		
23 23 13 00-0011 EA 1/2" Refrigeration Valve, Packless	65.71	12.93
23 23 13 00-0012 EA 5/8" Refrigeration Valve, Packless	82.03	14.18
23 23 13 00-0013 EA 7/8" Refrigeration Valve, Packless	167.56	19.39
23 23 13 00-0014 Packed (23 23 13 00-0009)		
23 23 13 00-0015 EA 1-1/8" Refrigeration Valve, Packed	297.30	28.22
23 23 13 00-0016 EA 1 3/8" Refrigeration Valve, Packed	397.25	34.55
23 23 13 00-0017 EA 1-5/8" Refrigeration Valve, Packed	483.71	38.91
23 23 13 00-0018 EA 2-1/8" Refrigeration Valve, Packed	690.41	44.38
23 23 13 00-0019 EA 2-5/8" Refrigeration Valve, Packed	1,148.84	124.31
23 23 13 00-0020 EA 3-1/8" Refrigeration Valve, Packed	1,507.03	155.39
23 23 13 00-0021 EA 4-1/8" Refrigeration Valve, Packed	2,142.14	207.22
23 23 13 00-0022 Check Valves (23 23 13)		
23 23 13 00-0023 EA 5/8" Check Valve, Refrigeration	83.31	12.43
23 23 13 00-0024 EA 7/8" Check Valve, Refrigeration	260.61	13.67
23 23 13 00-0025 EA 1-1/8" Check Valve, Refrigeration	302.35	15.53
23 23 13 00-0026 EA 1 3/8" Check Valve, Refrigeration	407.01	16.53
23 23 13 00-0027 EA 1-5/8" Check Valve, Refrigeration	535.41	19.14
23 23 13 00-0028 EA 2-1/8" Check Valve, Refrigeration	792.94	22.62
23 23 13 00-0029 EA 2-5/8" Check Valve, Refrigeration	1,109.96	33.19
23 23 13 00-0030 EA 3-1/8" Check Valve, Refrigeration	1,467.50	43.50

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 23 Refrigerant Piping**
 MINOR
CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 23 13 00-0031	Solenoid Valves (23 23 13)		
23 23 13 00-0032	Solenoid Valve, 24 Volt Coil (23 23 13 00-0031)		
23 23 13 00-0033	EA 1/2" Solenoid Valve, Refrigeration	222.01	12.43
23 23 13 00-0034	EA 5/8" Solenoid Valve, Refrigeration	227.30	12.43
23 23 13 00-0035	EA 3/4" Solenoid Valve, Refrigeration	281.25	13.67
23 23 13 00-0036	EA 7/8" Solenoid Valve, Refrigeration	281.25	13.67
23 23 13 00-0037	EA 1-1/8" Solenoid Valve, Refrigeration	393.24	15.53
23 23 13 00-0038	EA 1 3/8" Solenoid Valve, Refrigeration	630.11	16.53
23 23 13 00-0039	EA 1-5/8" Solenoid Valve, Refrigeration	1,157.05	19.14
23 23 13 00-0040	EA 2-1/8" Solenoid Valve, Refrigeration	1,174.43	22.62

23 23 16 Refrigerant Piping Specialties (23 23)

23 23 16 00-0001	Soft Refrigeration Copper Tubing (23 23 16)		
Note: Based on outside diameter. Nitrogenized. Lengths up to 100' See CSI section 22 07 19 00-0338 for flexible elastomeric insulation (insulation on suction line only).			
23 23 16 00-0002	LF 1/8" Outside Diameter Soft Refrigeration Copper Tubing	5.15	2.96
23 23 16 00-0003	LF 3/16" Outside Diameter Soft Refrigeration Copper Tubing	5.40	3.03
23 23 16 00-0004	LF 1/4" Outside Diameter Soft Refrigeration Copper Tubing	5.64	3.12
23 23 16 00-0005	LF 5/16" Outside Diameter Soft Refrigeration Copper Tubing	6.03	3.17
23 23 16 00-0006	LF 3/8" Outside Diameter Soft Refrigeration Copper Tubing	6.20	3.22
23 23 16 00-0007	LF 1/2" Outside Diameter Soft Refrigeration Copper Tubing	6.96	3.38
23 23 16 00-0008	LF 5/8" Outside Diameter Soft Refrigeration Copper Tubing	7.64	3.42
23 23 16 00-0009	LF 3/4" Outside Diameter Soft Refrigeration Copper Tubing	8.34	3.54
23 23 16 00-0010	LF 7/8" Outside Diameter Soft Refrigeration Copper Tubing	10.73	4.15
23 23 16 00-0011	LF 1-1/8" Outside Diameter Soft Refrigeration Copper Tubing	13.60	4.76
23 23 16 00-0012	LF 1-3/8" Outside Diameter Soft Refrigeration Copper Tubing	19.57	5.63
23 23 16 00-0013	LF 1-5/8" Outside Diameter Soft Refrigeration Copper Tubing	23.55	6.30

23 23 16 00-0014	Type L Drawn, ACR Copper Tubing (23 23 16)		
Note: Nitrogenized. Lengths up to 20'. See CSI section 22 07 19 00-0338 for flexible elastomeric insulation (insulation on suction line only).			
23 23 16 00-0015	LF 3/8" Outside Diameter Type L Drawn, ACR Copper Tubing	6.86	3.48
	For Medical Applications "Oxygen Clean", Add	0.61	
23 23 16 00-0016	LF 1/2" Outside Diameter Type L Drawn, ACR Copper Tubing	7.68	3.48
	For Medical Applications "Oxygen Clean", Add	0.65	
23 23 16 00-0017	LF 5/8" Outside Diameter Type L Drawn, ACR Copper Tubing	8.20	3.48
	For Medical Applications "Oxygen Clean", Add	0.68	
23 23 16 00-0018	LF 3/4" Outside Diameter Type L Drawn, ACR Copper Tubing	11.85	5.23
	For Medical Applications "Oxygen Clean", Add	0.98	
23 23 16 00-0019	LF 7/8" Outside Diameter Type L Drawn, ACR Copper Tubing	12.93	5.60
	For Medical Applications "Oxygen Clean", Add	1.07	
23 23 16 00-0020	LF 1-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing	14.98	5.60
	For Medical Applications "Oxygen Clean", Add	1.17	
23 23 16 00-0021	LF 1-3/8" Outside Diameter Type L Drawn, ACR Copper Tubing	18.61	6.46
	For Medical Applications "Oxygen Clean", Add	1.42	
23 23 16 00-0022	LF 1-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing	22.49	7.46
	For Medical Applications "Oxygen Clean", Add	1.68	
23 23 16 00-0023	LF 2-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing	31.73	9.32
	For Medical Applications "Oxygen Clean", Add	2.28	
23 23 16 00-0024	LF 2-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing	47.62	14.04
	For Medical Applications "Oxygen Clean", Add	3.44	
23 23 16 00-0025	LF 3-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing	61.53	17.41
	For Medical Applications "Oxygen Clean", Add	4.38	
23 23 16 00-0026	LF 3-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing	77.33	20.63
	For Medical Applications "Oxygen Clean", Add	5.42	
23 23 16 00-0027	LF 4-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing	95.53	24.86
	For Medical Applications "Oxygen Clean", Add	6.64	

23 23 16 00-0028	Refrigeration Fittings (23 23 16)		
23 23 16 00-0029	Brass Flare Fittings (23 23 16 00-0028)		
23 23 16 00-0030	Brass Flare Unions (23 23 16 00-0029)		
23 23 16 00-0031	EA 3/8" Brass Flare Union	29.86	13.42
23 23 16 00-0032	EA 1/2" Brass Flare Union	29.86	13.42
23 23 16 00-0033	EA 5/8" Brass Flare Union	32.38	13.42

23 23 16 00-0034	90 Degree Elbow Brass Flare Unions (23 23 16 00-0029)		
23 23 16 00-0035	EA 3/8" 90 Degree Brass Flare Elbow Union	31.39	13.42
23 23 16 00-0036	EA 1/2" 90 Degree Brass Flare Elbow Union	31.39	13.42
23 23 16 00-0037	EA 5/8" 90 Degree Brass Flare Elbow Union	39.85	13.42

23 23 16 00-0038	Brass Flare Tees (23 23 16 00-0029)		
23 23 16 00-0039	EA 3/8" Brass Flare Tee	47.99	22.36
23 23 16 00-0040	EA 1/2" Brass Flare Tee	51.76	22.36
23 23 16 00-0041	EA 5/8" Brass Flare Tee	72.30	22.36

23 23 16 00-0042	Male Connector, Half Brass Flare Unions (23 23 16 00-0029)		
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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0043	EA	3/8" Brass Flare Male Connector, Half Union	22.92	13.42
23 23 16 00-0044	EA	1/2" Brass Flare Male Connector, Half Union	25.44	13.42
23 23 16 00-0045	EA	5/8" Brass Flare Male Connector, Half Union	29.04	13.42
23 23 16 00-0046		Female Connector, Half Brass Flare Unions (23 23 16 00-0029)		
23 23 16 00-0047	EA	3/8" Brass Flare Female Connector, Half Union	26.17	13.42
23 23 16 00-0048	EA	1/2" Brass Flare Female Connector, Half Union	29.59	13.42
23 23 16 00-0049	EA	5/8" Brass Flare Female Connector, Half Union	29.59	13.42
23 23 16 00-0050		Long Forged Nuts (23 23 16 00-0029)		
23 23 16 00-0051	EA	3/8" Brass Long Forged Nut	24.45	13.42
23 23 16 00-0052	EA	1/2" Brass Long Forged Nut	25.44	13.42
23 23 16 00-0053	EA	5/8" Brass Long Forged Nut	36.42	13.42
23 23 16 00-0054		Short Forged Nuts (23 23 16 00-0029)		
23 23 16 00-0055	EA	3/8" Brass Short Forged Nut	23.02	13.42
23 23 16 00-0056	EA	1/2" Brass Short Forged Nut	25.30	13.42
23 23 16 00-0057	EA	5/8" Brass Short Forged Nut	25.78	13.42
23 23 16 00-0058		ACR Wrought Copper Fittings (23 23 16 00-0028)		
		Note: Soldered.		
23 23 16 00-0059		ACR Wrought Copper Coupling (23 23 16 00-0058)		
		Note: C x C		
23 23 16 00-0060	EA	1/4" ACR Wrought Copper Coupling	22.34	13.42
23 23 16 00-0061	EA	3/8" ACR Wrought Copper Coupling	21.93	13.42
23 23 16 00-0062	EA	1/2" ACR Wrought Copper Coupling	22.53	13.42
23 23 16 00-0063	EA	5/8" ACR Wrought Copper Coupling	23.15	14.04
23 23 16 00-0064	EA	3/4" ACR Wrought Copper Coupling	33.26	18.52
23 23 16 00-0065	EA	7/8" ACR Wrought Copper Coupling	32.61	19.02
23 23 16 00-0066	EA	1-1/8" ACR Wrought Copper Coupling	43.60	23.62
23 23 16 00-0067	EA	1-3/8" ACR Wrought Copper Coupling	62.95	32.32
23 23 16 00-0068	EA	1-5/8" ACR Wrought Copper Coupling	76.03	37.92
23 23 16 00-0069	EA	2-1/8" ACR Wrought Copper Coupling	100.84	45.99
23 23 16 00-0070	EA	2-5/8" ACR Wrought Copper Coupling	176.63	69.86
23 23 16 00-0071	EA	3-1/8" ACR Wrought Copper Coupling	235.76	91.86
23 23 16 00-0072	EA	4-1/8" ACR Wrought Copper Coupling	386.44	109.15
23 23 16 00-0073		ACR Wrought Copper Short Radius 90 Degree Elbows (23 23 16 00-0058)		
		Note: C x C		
23 23 16 00-0074	EA	1/4" ACR Wrought Copper Short Radius 90 Degree Elbow	27.75	13.42
23 23 16 00-0075	EA	3/8" ACR Wrought Copper Short Radius 90 Degree Elbow	28.16	13.42
23 23 16 00-0076	EA	1/2" ACR Wrought Copper Short Radius 90 Degree Elbow	27.75	13.42
23 23 16 00-0077	EA	5/8" ACR Wrought Copper Short Radius 90 Degree Elbow	30.19	14.04
23 23 16 00-0078	EA	3/4" ACR Wrought Copper Short Radius 90 Degree Elbow	44.33	18.52
23 23 16 00-0079	EA	7/8" ACR Wrought Copper Short Radius 90 Degree Elbow	44.88	19.02
23 23 16 00-0080	EA	1-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow	57.30	23.62
23 23 16 00-0081	EA	1-3/8" ACR Wrought Copper Short Radius 90 Degree Elbow	70.84	32.32
23 23 16 00-0082	EA	1-5/8" ACR Wrought Copper Short Radius 90 Degree Elbow	91.77	37.92
23 23 16 00-0083	EA	2-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow	132.44	45.99
23 23 16 00-0084	EA	2-5/8" ACR Wrought Copper Short Radius 90 Degree Elbow	231.89	69.86
23 23 16 00-0085	EA	3-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow	297.57	91.86
23 23 16 00-0086	EA	4-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow	572.66	109.15
23 23 16 00-0087		ACR Wrought Copper Long Radius 90 Degree Elbows (23 23 16 00-0058)		
		Note: C x C		
23 23 16 00-0088	EA	1/4" ACR Wrought Copper Long Radius 90 Degree Elbow	34.53	13.42
23 23 16 00-0089	EA	3/8" ACR Wrought Copper Long Radius 90 Degree Elbow	30.95	13.42
23 23 16 00-0090	EA	1/2" ACR Wrought Copper Long Radius 90 Degree Elbow	33.79	13.42
23 23 16 00-0091	EA	5/8" ACR Wrought Copper Long Radius 90 Degree Elbow	33.46	14.04
23 23 16 00-0092	EA	3/4" ACR Wrought Copper Long Radius 90 Degree Elbow	40.34	18.52
23 23 16 00-0093	EA	7/8" ACR Wrought Copper Long Radius 90 Degree Elbow	44.46	19.02
23 23 16 00-0094	EA	1-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow	61.06	23.62
23 23 16 00-0095	EA	1-3/8" ACR Wrought Copper Long Radius 90 Degree Elbow	90.17	32.32
23 23 16 00-0096	EA	1-5/8" ACR Wrought Copper Long Radius 90 Degree Elbow	112.87	37.92
23 23 16 00-0097	EA	2-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow	216.16	45.99
23 23 16 00-0098	EA	2-5/8" ACR Wrought Copper Long Radius 90 Degree Elbow	337.85	69.86
23 23 16 00-0099	EA	3-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow	446.47	91.86
23 23 16 00-0100	EA	4-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow	990.58	109.15
23 23 16 00-0101		ACR Wrought Copper 45 Degree Elbow (23 23 16 00-0058)		
		Note: C x C		
23 23 16 00-0102	EA	1/4" ACR Wrought Copper 45 Degree Elbow	39.46	13.42
23 23 16 00-0103	EA	3/8" ACR Wrought Copper 45 Degree Elbow	34.53	13.42
23 23 16 00-0104	EA	1/2" ACR Wrought Copper 45 Degree Elbow	32.43	13.42
23 23 16 00-0105	EA	5/8" ACR Wrought Copper 45 Degree Elbow	26.10	14.04
23 23 16 00-0106	EA	3/4" ACR Wrought Copper 45 Degree Elbow	49.57	18.52
23 23 16 00-0107	EA	7/8" ACR Wrought Copper 45 Degree Elbow	37.20	19.02

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 23 Refrigerant Piping**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 23 16 00-0108	EA	1-1/8" ACR Wrought Copper 45 Degree Elbow	57.25	23.62
23 23 16 00-0109	EA	1-3/8" ACR Wrought Copper 45 Degree Elbow	77.79	32.32
23 23 16 00-0110	EA	1-5/8" ACR Wrought Copper 45 Degree Elbow	92.22	37.92
23 23 16 00-0111	EA	2-1/8" ACR Wrought Copper 45 Degree Elbow	127.85	45.99
23 23 16 00-0112	EA	2-5/8" ACR Wrought Copper 45 Degree Elbow	230.36	69.86
23 23 16 00-0113	EA	3-1/8" ACR Wrought Copper 45 Degree Elbow	313.09	91.86
23 23 16 00-0114	EA	4-1/8" ACR Wrought Copper 45 Degree Elbow	537.17	109.15

23 23 16 00-0115 ACR Wrought Copper Tee (23 23 16 00-0058)
 Note: C x C x C

23 23 16 00-0116	EA	1/4" ACR Wrought Copper Tee	48.96	22.36
23 23 16 00-0117	EA	3/8" ACR Wrought Copper Tee	49.82	22.36
23 23 16 00-0118	EA	1/2" ACR Wrought Copper Tee	46.61	22.36
23 23 16 00-0119	EA	5/8" ACR Wrought Copper Tee	46.84	28.22
23 23 16 00-0120	EA	3/4" ACR Wrought Copper Tee	72.05	28.22
23 23 16 00-0121	EA	7/8" ACR Wrought Copper Tee	54.05	28.59
23 23 16 00-0122	EA	1-1/8" ACR Wrought Copper Tee	91.44	37.92
23 23 16 00-0123	EA	1-3/8" ACR Wrought Copper Tee	115.62	45.99
23 23 16 00-0124	EA	1-5/8" ACR Wrought Copper Tee	153.84	54.57
23 23 16 00-0125	EA	2-1/8" ACR Wrought Copper Tee	221.42	72.72
23 23 16 00-0126	EA	2-5/8" ACR Wrought Copper Tee	464.65	158.74
23 23 16 00-0127	EA	3-1/8" ACR Wrought Copper Tee	587.00	174.53
23 23 16 00-0128	EA	4-1/8" ACR Wrought Copper Tee	1,078.05	193.92

23 23 16 00-0129 ACR Wrought Copper Male Adapter (23 23 16 00-0058)
 Note: C x M

23 23 16 00-0130	EA	1/4" ACR Wrought Copper Male Adapter	44.35	13.42
23 23 16 00-0131	EA	3/8" ACR Wrought Copper Male Adapter	52.22	13.42
23 23 16 00-0132	EA	1/2" ACR Wrought Copper Male Adapter	39.14	13.42

23 23 16 00-0133 ACR Wrought Copper Female Adapter (23 23 16 00-0058)
 Note: C x F

23 23 16 00-0134	EA	1/4" ACR Wrought Copper Female Adapter	41.26	13.42
23 23 16 00-0135	EA	3/8" ACR Wrought Copper Female Adapter	36.74	13.42
23 23 16 00-0136	EA	1/2" ACR Wrought Copper Female Adapter	38.45	13.42

23 23 16 00-0137 ACR Wrought Copper Cap (23 23 16 00-0058)
 Note: C

23 23 16 00-0138	EA	1/4" ACR Wrought Copper Cap	17.17	8.95
23 23 16 00-0139	EA	3/8" ACR Wrought Copper Cap	15.74	8.95
23 23 16 00-0140	EA	1/2" ACR Wrought Copper Cap	17.13	8.95

23 23 16 00-0141 ACR Wrought Copper P-Trap (23 23 16 00-0058)

23 23 16 00-0142	EA	5/8" ACR Wrought Copper P-Trap	124.23	11.44
23 23 16 00-0143	EA	3/4" ACR Wrought Copper P-Trap	171.74	12.59
23 23 16 00-0144	EA	7/8" ACR Wrought Copper P-Trap	145.55	12.59
23 23 16 00-0145	EA	1-1/8" ACR Wrought Copper P-Trap	201.95	13.74
23 23 16 00-0146	EA	1-3/8" ACR Wrought Copper P-Trap	353.08	13.74
23 23 16 00-0147	EA	1-5/8" ACR Wrought Copper P-Trap	505.26	14.88
23 23 16 00-0148	EA	2-1/8" ACR Wrought Copper P-Trap	937.49	16.03

23 23 16 00-0149 Sight Glass With Moisture And Liquid Indicator, Solder Connection (23 23 16)

23 23 16 00-0150	EA	1/4" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	62.98	17.18
23 23 16 00-0151	EA	3/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	76.44	20.61
23 23 16 00-0152	EA	1/2" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	92.34	25.18
23 23 16 00-0153	EA	5/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	101.52	28.62
23 23 16 00-0154	EA	7/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	136.95	36.63
23 23 16 00-0155	EA	1-1/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	158.38	44.65
23 23 16 00-0156	EA	1-3/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	244.59	52.66
23 23 16 00-0157	EA	1-5/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	301.54	72.12
23 23 16 00-0158	EA	2-1/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	370.17	89.29

23 23 16 00-0159 Filter Driers, Solder Connections (23 23 16)

23 23 16 00-0160 Replaceable Core Type Filter Driers, Solder Connections (23 23 16 00-0159)

23 23 16 00-0161	EA	5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	564.78	10.31
23 23 16 00-0162	EA	7/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	568.39	12.59
23 23 16 00-0163	EA	1-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	726.20	12.59
23 23 16 00-0164	EA	1-3/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	723.81	13.74
23 23 16 00-0165	EA	1-5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	806.66	14.88
23 23 16 00-0166	EA	2-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	908.46	16.03
23 23 16 00-0167	EA	2-5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	1,061.60	17.18
23 23 16 00-0168	EA	3-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	1,325.34	17.18

23 23 16 00-0169 Sealed In-Line Filter Driers, Solder Connections (23 23 16 00-0159)

23 23 16 00-0170	EA	1/4" Outside Diameter, 1/4 To 1 Ton, Sealed In-Line Filter Drier, Solder Connections	92.14	10.31
23 23 16 00-0171	EA	3/8" Outside Diameter, 1/2 To 2 Ton, Sealed In-Line Filter Drier, Solder Connections	117.72	10.31

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0172	EA	1/2" Outside Diameter, 1 To 7 Ton, Sealed In-Line Filter Drier, Solder Connections	150.22	11.44
23 23 16 00-0173	EA	1/2" Outside Diameter, 2 To 7-1/2 Ton, Sealed In-Line Filter Drier, Solder Connections	173.83	11.44
23 23 16 00-0174	EA	5/8" Outside Diameter, 2 To 10 Ton, Sealed In-Line Filter Drier, Solder Connections.....	191.22	11.44
23 23 16 00-0175	EA	5/8" Outside Diameter, 4 To 8 Ton, Sealed In-Line Filter Drier, Solder Connections	220.45	11.44
23 23 16 00-0176	EA	7/8" Outside Diameter, 5 To 20 Ton, Sealed In-Line Filter Drier, Solder Connections.....	248.15	12.59
23 23 16 00-0177	EA	7/8" Outside Diameter, 7-1/2 To 20 Ton, Sealed In-Line Filter Drier, Solder Connections	364.02	12.59
23 23 16 00-0178	EA	1-1/8" Outside Diameter, 15 To 25 Ton, Sealed In-Line Filter Drier, Solder Connections	396.40	12.59
23 23 16 00-0179 Bi-Flow Filter Driers, Solder Connections (23 23 16 00-0159)				
23 23 16 00-0180	EA	1/4" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections	128.42	10.31
23 23 16 00-0181	EA	3/8" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections	143.54	10.31
23 23 16 00-0182	EA	1/2" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections	171.35	11.44
23 23 16 00-0183	EA	3/8" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections	153.78	10.31
23 23 16 00-0184	EA	1/2" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections.....	192.47	11.44
23 23 16 00-0185	EA	5/8" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections.....	224.08	11.44
23 23 16 00-0186 Refrigerant Compressor Discharge Mufflers (23 23 16)				
23 23 16 00-0187	EA	3/8" Outside Diameter, 2 Ton, Refrigerant Compressor Discharge Muffler	116.23	10.31
23 23 16 00-0188	EA	1/2" Outside Diameter, 3 Ton, Refrigerant Compressor Discharge Muffler	128.35	10.31
23 23 16 00-0189	EA	5/8" Outside Diameter, 5 Ton, Refrigerant Compressor Discharge Muffler	154.68	10.31
23 23 16 00-0190	EA	7/8" Outside Diameter, 7-1/2 To 10 Ton, Refrigerant Compressor Discharge Muffler	207.42	12.59
23 23 16 00-0191	EA	1-1/8" Outside Diameter, 10 To 15 Ton, Refrigerant Compressor Discharge Muffler	270.73	12.59
23 23 16 00-0192	EA	1-3/8" Outside Diameter, 15 To 25 Ton, Refrigerant Compressor Discharge Muffler	321.72	13.74
23 23 16 00-0193	EA	1-5/8" Outside Diameter, 25 To 50 Ton, Refrigerant Compressor Discharge Muffler	407.62	14.88
23 23 16 00-0194	EA	2-1/8" Outside Diameter, 50 To 75 Ton, Refrigerant Compressor Discharge Muffler	748.18	16.03
23 23 16 00-0195	EA	2-5/8" Outside Diameter, 75 To 100 Ton, Refrigerant Compressor Discharge Muffler	836.84	17.18
23 23 16 00-0196	EA	3-1/8" Outside Diameter, 100 To 125 Ton, Refrigerant Compressor Discharge Muffler	1,035.77	17.18
23 23 16 00-0197 Expansion Valves And Vibration Absorbers (23 23 16)				
23 23 16 00-0198 Thermostatic Expansion Valves (23 23 16 00-0197)				
Note: Outside diameter pipe sizes. Sporlan TP-S.				
23 23 16 00-0199	EA	3/8" In x 5/8" Out, 1/2 To 3 Ton, Thermostatic Expansion Valve	247.36	10.31
23 23 16 00-0200	EA	1/2" In x 7/8" Out, 4 To 5 Ton, Thermostatic Expansion Valve	344.43	11.44
23 23 16 00-0201	EA	5/8" In x 7/8" Out, 6 To 8 Ton, Thermostatic Expansion Valve	585.46	11.44
23 23 16 00-0202	EA	7/8" In x 1-1/8" Out, 7 To 12 Ton, Thermostatic Expansion Valve	694.04	12.59
23 23 16 00-0203	EA	7/8" In x 1-3/8" Out, 15 To 20 Ton, Thermostatic Expansion Valve	751.28	12.59
23 23 16 00-0204 Electric Expansion Valves (23 23 16 00-0197)				
Note: Sporlan SEI or SEH.				
23 23 16 00-0205	EA	1/2 To 11 Ton Electric Expansion Valve	588.95	14.30
Note: Sporlan SEI.				
23 23 16 00-0206	EA	25 Ton Electric Expansion Valve	681.55	14.88
Note: Sporlan SEI.				
23 23 16 00-0207	EA	50 Ton Electric Expansion Valve	774.67	15.45
Note: Sporlan SEI.				
23 23 16 00-0208	EA	100 Ton Electric Expansion Valve	911.14	15.45
Note: Sporlan SEH.				
23 23 16 00-0209	EA	175 Ton Electric Expansion Valve	1,025.74	16.03
Note: Sporlan SEH.				
23 23 16 00-0210 Braided Stainless Steel Over Copper Vibration Absorber (23 23 16 00-0197)				
23 23 16 00-0211	EA	1/4" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	65.64	14.88
23 23 16 00-0212	EA	3/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	66.18	17.18
23 23 16 00-0213	EA	1/2" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	85.75	21.75
23 23 16 00-0214	EA	5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	92.47	26.33
23 23 16 00-0215	EA	3/4" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	108.95	32.05
23 23 16 00-0216	EA	7/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	126.07	36.63
23 23 16 00-0217	EA	1-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	179.08	13.74
23 23 16 00-0218	EA	1-3/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	252.14	14.88
23 23 16 00-0219	EA	1-5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	315.41	14.88
23 23 16 00-0220	EA	2-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	431.24	16.03
23 23 16 00-0221	EA	2-5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	734.59	17.18
23 23 16 00-0222	EA	3-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	962.54	17.18
23 23 16 00-0223 Accumulator, Refrigerant Suction Line (23 23 16)				
23 23 16 00-0224	EA	3/4" Accumulator, Refrigeration Suction Line	209.19	52.09
23 23 16 00-0225	EA	7/8" Accumulator, Refrigeration Suction Line	283.49	71.55
23 23 16 00-0226	EA	1-1/8" Accumulator, Refrigeration Suction Line	337.74	95.36
23 23 16 00-0227	EA	1 3/8" Accumulator, Refrigeration Suction Line	476.54	114.48
23 23 16 00-0228	EA	1-5/8" Accumulator, Refrigeration Suction Line	657.26	143.10
23 23 16 00-0229	EA	2-1/8" Accumulator, Refrigeration Suction Line	1,000.39	190.84
23 23 16 00-0230 Special Chemicals/Component (23 23 16)				
23 23 16 00-0231	GAL	Special Chemical, Inhibited Propylene Glycol, 100%	34.92	
23 23 16 00-0232	GAL	Removal And Storage For Reuse Of Inhibited Propylene Glycol.....	8.88	
23 23 16 00-0233	GAL	Special Chemical, Inhibited Ethylene Glycol, 100%.....	23.94	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 23 Refrigerant Piping**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

 23 23 16 00-0234 EA Internal Coil/Refrigerant Piping Flush359.15
 Note: Up to 10 ton AC system.
23 23 23 Refrigerants (23 23)**23 23 23 00-0001 Refrigerant (23 23 23)**
 23 23 23 00-0002 LB R-123 Refrigerant38.58
 23 23 23 00-0003 LB R-134A Refrigerant.....13.75
 23 23 23 00-0004 LB R-404A Refrigerant.....16.37
 23 23 23 00-0005 LB R-407C Refrigerant.....14.72
 23 23 23 00-0006 LB R-408A Refrigerant.....33.55
 23 23 23 00-0007 LB R-410A Refrigerant.....14.42
 23 23 23 00-0008 LB R-500 Refrigerant47.15
 23 23 23 00-0009 LB R-507 Refrigerant9.17
 23 23 23 00-0010 LB R-32 Refrigerant19.24
 23 23 23 00-0011 LB R-452A Refrigerant.....21.52
 23 23 23 00-0012 LB R-453A Refrigerant.....25.04
 23 23 23 00-0013 LB R-454A Refrigerant.....34.24
 23 23 23 00-0014 LB R-454B Refrigerant.....27.45
23 25 HVAC Water Treatment (23 20)**23 25 13 Water Treatment for Closed-Loop Hydronic Systems (23 25)****23 25 13 00-0001 Polyethylene Chemical Storage Tanks (23 25 13)**

23 25 13 00-0002 EA 15 Gallon Chemical Storage Tank, Polyethylene.....510.34 95.59

23 25 13 00-0003 Gas Chlorinator (23 25 13)
 23 25 13 00-0004 EA Gas Chlorinator, Wall Or Cylinder Mounted (10 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit1,219.99 434.91
For Booster Pump, Add 483.89

 23 25 13 00-0005 EA Gas Chlorinator, Wall Or Cylinder Mounted (25 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit1,393.87 497.05
For Booster Pump, Add 553.13

 23 25 13 00-0006 EA Gas Chlorinator, Wall Or Cylinder Mounted (50 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit1,902.77 376.51
For Booster Pump, Add 673.06
23 25 13 00-0007 Bypass Shot Feeders (23 25 13)

Note: Includes up to 4 ports (in, out, fill and drain). Excludes valves.

23 25 13 00-0008 In Line Mount, 125 PSIG (23 25 13 00-0007)

23 25 13 00-0009 EA 1.7 Gallon Bypass Shot Chemical Feeder In Line Mount, 125 PSIG1,127.52 323.97

23 25 13 00-0010 Floor Mount, 175 PSIG (23 25 13 00-0007)
 23 25 13 00-0011 EA 5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 175 PSIG.....1,661.14 487.68
 23 25 13 00-0012 EA 12 Gallon Bypass Shot Chemical Feeder, Floor Mount, 175 PSIG.....2,190.99 645.66
23 25 13 00-0013 Floor Mount, 150 Lb. ASME Code (23 25 13 00-0007)
 23 25 13 00-0014 EA 5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 150 Lb. ASME Code.....1,661.14 487.68
 23 25 13 00-0015 EA 10 Gallon Bypass Shot Chemical Feeder, Floor Mount, 150 Lb. ASME Code.....2,190.99 645.66
23 25 13 00-0016 Floor Mount, 300 Lb. ASME Code (23 25 13 00-0007)
 23 25 13 00-0017 EA 5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 300 Lb. ASME Code.....2,045.85 487.68
 23 25 13 00-0018 EA 10 Gallon Bypass Shot Chemical Feeder, Floor Mount, 300 Lb. ASME Code.....2,590.46 645.66
23 30 HVAC Air Distribution (23)**23 31 HVAC Ducts and Casings (23 30)**

Note: Excludes angle iron, threaded rod, anchor bolts or other external supporting devices other than normal sheet metal straps. See CSI section 05 12 23 00-0423 for angle iron, 23 05 29 00-0001 for threaded rod.

23 31 13 Metal Ducts (23 31)**23 31 13 13 Rectangular Metal Ducts (23 31 13)****23 31 13 13-0001 Steel Sheet Metal Duct (23 31 13 13)**

Note: Includes all fittings, transitions, collars, straps, support straps, fabrication, installation and sealing the joints by tape, mastic, or spray on sealer. Duct Sealing: Class-C requires sealing transverse joints; Class-B requires sealing all transverse joint and longitudinal seams; Class-A requires sealing all transverse joints longitudinal seams and duct wall penetrations.

23 31 13 13-0002 Galvanized Steel Sheet Metal Ductwork And Sealant (23 31 13 13-0001)

Note: SMACNA weight for galvanized steel ductwork LB/SF (surface areas) by gauge: 26 gauge - 0.906 LB/SF; 24 gauge - 1.156 LB/SF; 22 gauge - 1.406 LB/SF; 20 gauge - 1.656 LB/SF; 18 gauge - 2.156 LB/SF; 16 gauge - 2.656 LB/SF

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0003	LB	Seal Class C, Rectangular Or Square, Galvanized Steel Sheet Metal Ductwork	15.57	4.26
		For >200 To 500, Add	3.42	
		For >500 To 1,000, Add	2.35	
		For >2,000 To 5,000, Add	0.60	
		For Work In Restricted Working Space, Add	3.94	
		For >1,000 To 2,000, Add	1.32	
		For Up To 200, Add	5.41	
		For Polyvinyl Chloride (PVC) Coated, Add	0.49	
		For Elevated Installation >10' To 15', Add	0.79	
		For Elevated Installation >15' To 20', Add	1.57	
		For Elevated Installation >20' To 25', Add	1.97	
		For Elevated Installation >25' To 30', Add	2.76	
		For Elevated Installation >30' To 35', Add	3.15	
		For Elevated Installation >35' To 40', Add	3.94	
		For Elevated Installation >40', Add	4.33	
23 31 13 13-0004	LB	Seal Class B, Rectangular Or Square, Galvanized Steel Sheet Metal Ductwork.....	17.79	4.26
		For >200 To 500, Add	3.88	
		For >500 To 1,000, Add	2.68	
		For >2,000 To 5,000, Add	0.68	
		For Work In Restricted Working Space, Add	4.53	
		For >1,000 To 2,000, Add	1.50	
		For Up To 200, Add	6.15	
		For Polyvinyl Chloride (PVC) Coated, Add	0.54	
		For Elevated Installation >10' To 15', Add	0.91	
		For Elevated Installation >15' To 20', Add	1.81	
		For Elevated Installation >20' To 25', Add	2.26	
		For Elevated Installation >25' To 30', Add	3.17	
		For Elevated Installation >30' To 35', Add	3.62	
		For Elevated Installation >35' To 40', Add	4.53	
		For Elevated Installation >40', Add	4.98	
23 31 13 13-0005	LB	Seal Class A, Rectangular Or Square, Galvanized Steel Sheet Metal Ductwork.....	21.32	4.26
		For >200 To 500, Add	4.58	
		For >500 To 1,000, Add	3.19	
		For >2,000 To 5,000, Add	0.82	
		For Work In Restricted Working Space, Add	5.51	
		For >1,000 To 2,000, Add	1.79	
		For Up To 200, Add	7.28	
		For Polyvinyl Chloride (PVC) Coated, Add	0.59	
		For Elevated Installation >10' To 15', Add	1.10	
		For Elevated Installation >15' To 20', Add	2.20	
		For Elevated Installation >20' To 25', Add	2.76	
		For Elevated Installation >25' To 30', Add	3.86	
		For Elevated Installation >30' To 35', Add	4.41	
		For Elevated Installation >35' To 40', Add	5.51	
		For Elevated Installation >40', Add	6.06	
23 31 13 13-0006		Alloy 3003-H14, Aluminum Sheet Metal Ductwork (23 31 13 13-0001)		
		Note: SMACNA weight for aluminum ductwork LB/SF (surface areas) by gauge: 26 gauge - 0.224 LB/SF; 24 gauge - 0.282 LB/SF; 22 gauge - 0.352 LB/SF; 20 gauge - 0.451 LB/SF; 18 gauge - 0.563 LB/SF; 16 gauge - 0.718 LB/SF; 14 gauge - 0.901 LB/SF; 12 gauge - 0.141 LB/SF		
23 31 13 13-0007	LB	Seal Class C, Alloy 3003-H14, Aluminum Sheet Metal Ductwork.....	30.42	4.26
		For >2,000 To 5,000, Add	1.17	
		For Up To 200, Add	10.47	
		For Work In Restricted Working Space, Add	7.78	
		For >1,000 To 2,000, Add	2.57	
		For >200 To 500, Add	6.60	
		For >500 To 1,000, Add	4.57	
		For Elevated Installation >10' To 15', Add	1.56	
		For Elevated Installation >15' To 20', Add	3.11	
		For Elevated Installation >20' To 25', Add	3.89	
		For Elevated Installation >25' To 30', Add	5.45	
		For Elevated Installation >30' To 35', Add	6.22	
		For Elevated Installation >35' To 40', Add	7.78	
		For Elevated Installation >40', Add	8.56	
23 31 13 13-0008	LB	Seal Class B, Alloy 3003-H14, Aluminum Sheet Metal Ductwork.....	34.56	4.26
		For >2,000 To 5,000, Add	1.34	
		For Up To 200, Add	11.79	
		For Work In Restricted Working Space, Add	8.95	
		For >1,000 To 2,000, Add	2.91	
		For >200 To 500, Add	7.41	
		For >500 To 1,000, Add	5.17	
		For Elevated Installation >10' To 15', Add	1.79	
		For Elevated Installation >15' To 20', Add	3.58	
		For Elevated Installation >20' To 25', Add	4.47	
		For Elevated Installation >25' To 30', Add	6.26	
		For Elevated Installation >30' To 35', Add	7.16	
		For Elevated Installation >35' To 40', Add	8.95	
		For Elevated Installation >40', Add	9.84	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 31 13 13-0009	LB	Seal Class A, Alloy 3003-H14, Aluminum Sheet Metal Ductwork	41.28	4.26
		For >2,000 To 5,000, Add	1.60	
		For Up To 200, Add	13.88	
		For Work In Restricted Working Space, Add	10.89	
		For >1,000 To 2,000, Add	3.45	
		For >200 To 500, Add	8.68	
		For >500 To 1,000, Add	6.13	
		For Elevated Installation >10' To 15', Add	2.18	
		For Elevated Installation >15' To 20', Add	4.36	
		For Elevated Installation >20' To 25', Add	5.45	
		For Elevated Installation >25' To 30', Add	7.62	
		For Elevated Installation >30' To 35', Add	8.71	
		For Elevated Installation >35' To 40', Add	10.89	
		For Elevated Installation >40', Add	11.98	

23 31 13 13-0010 Type 304, Stainless Steel Sheet Metal Ductwork
(23 31 13 13-0001)

Note: SMACNA weight for stainless steel ductwork LB/SF (surface areas) by gauge: 26 gauge - 0.748 LB/SF; 24 gauge - 0.987 LB/SF; 22 gauge - 1.231 LB/SF; 20 gauge - 1.491 LB/SF; 18 gauge - 2.016 LB/SF; 16 gauge - 2.499 LB/SF; 14 gauge - 3.154 LB/SF; 12 gauge - 4.427 LB/SF

23 31 13 13-0011	LB	Seal Class C, Type 304, Stainless Steel Sheet Metal Ductwork	21.96	5.68
		For >2,000 To 5,000, Add	0.82	
		For Welded Seams, Add	8.27	
		For Up To 200, Add	8.39	
		For Work In Restricted Working Space, Add	4.78	
		For >1,000 To 2,000, Add	1.94	
		For >200 To 500, Add	5.46	
		For >500 To 1,000, Add	3.50	
		For Elevated Installation >10' To 15', Add	0.96	
		For Elevated Installation >15' To 20', Add	1.91	
		For Elevated Installation >20' To 25', Add	2.39	
		For Elevated Installation >25' To 30', Add	3.35	
		For Elevated Installation >30' To 35', Add	3.83	
		For Elevated Installation >35' To 40', Add	4.78	
		For Elevated Installation >40', Add	5.26	
23 31 13 13-0012	LB	Seal Class B, Type 304, Stainless Steel Sheet Metal Ductwork	25.49	5.68
		For >2,000 To 5,000, Add	0.96	
		For Welded Seams, Add	9.92	
		For Up To 200, Add	9.53	
		For Work In Restricted Working Space, Add	5.77	
		For >1,000 To 2,000, Add	2.23	
		For >200 To 500, Add	6.16	
		For >500 To 1,000, Add	4.01	
		For Elevated Installation >10' To 15', Add	1.15	
		For Elevated Installation >15' To 20', Add	2.31	
		For Elevated Installation >20' To 25', Add	2.88	
		For Elevated Installation >25' To 30', Add	4.04	
		For Elevated Installation >30' To 35', Add	4.61	
		For Elevated Installation >35' To 40', Add	5.77	
		For Elevated Installation >40', Add	6.34	
23 31 13 13-0013	LB	Seal Class A, Type 304, Stainless Steel Sheet Metal Ductwork	28.81	5.68
		For >2,000 To 5,000, Add	1.09	
		For Welded Seams, Add	11.48	
		For Up To 200, Add	10.60	
		For Work In Restricted Working Space, Add	6.69	
		For >1,000 To 2,000, Add	2.50	
		For >200 To 500, Add	6.81	
		For >500 To 1,000, Add	4.49	
		For Elevated Installation >10' To 15', Add	1.34	
		For Elevated Installation >15' To 20', Add	2.68	
		For Elevated Installation >20' To 25', Add	3.35	
		For Elevated Installation >25' To 30', Add	4.68	
		For Elevated Installation >30' To 35', Add	5.35	
		For Elevated Installation >35' To 40', Add	6.69	
		For Elevated Installation >40', Add	7.36	

23 31 13 13-0014 Galvanized Steel Sheet Metal Ductwork By LF
(23 31 13 13-0001)

Note: Ductwork includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed. For fittings add the following equivalent lengths: 0.75' for duct end cap; 1.5' for tap-in; 2.5' for 45-degree elbows; 3' for 90-degree elbows, transition, taper, register box; 4' for 45-degree reducing elbow, offset, turning vanes installed in elbows; 5' for 90-degree reducing elbow, 135-degree angle gooseneck, boots; and 6' for transition/reducer.

23 31 13 13-0015 30 Gauge Galvanized Steel Metal Ductwork
(23 31 13 13-0014)

23 31 13 13-0016	LF	4" x 4", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	16.68	8.76
		For Seal Class B, Add	2.19	
		For Seal Class A, Add	4.68	
		For Work In Restricted Working Space, Add	4.38	
23 31 13 13-0017	LF	4" x 6", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	20.83	10.95
		For Seal Class B, Add	2.74	
		For Seal Class A, Add	5.84	
		For Work In Restricted Working Space, Add	5.48	
23 31 13 13-0018	LF	4" x 8", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	25.01	13.15
		For Seal Class B, Add	3.29	
		For Seal Class A, Add	7.01	
		For Work In Restricted Working Space, Add	6.57	
23 31 13 13-0019	LF	4" x 10", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	29.15	15.33
		For Seal Class B, Add	3.83	
		For Seal Class A, Add	8.18	
		For Work In Restricted Working Space, Add	7.67	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0020	LF	4" x 12", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	33.34	17.53
		For Seal Class B, Add	4.38	
		For Seal Class A, Add	9.35	
		For Work In Restricted Working Space, Add	8.76	
23 31 13 13-0021	LF	4" x 14", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	37.49	19.72
		For Seal Class B, Add	4.93	
		For Seal Class A, Add	10.52	
		For Work In Restricted Working Space, Add	9.86	
23 31 13 13-0022	LF	4" x 16", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	41.66	21.91
		For Seal Class B, Add	5.48	
		For Seal Class A, Add	11.69	
		For Work In Restricted Working Space, Add	10.96	
23 31 13 13-0023	LF	6" x 6", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	25.01	13.15
		For Seal Class B, Add	3.29	
		For Seal Class A, Add	7.01	
		For Work In Restricted Working Space, Add	6.57	
23 31 13 13-0024	LF	6" x 8", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	29.15	15.33
		For Seal Class B, Add	3.83	
		For Seal Class A, Add	8.18	
		For Work In Restricted Working Space, Add	7.67	
23 31 13 13-0025	LF	6" x 10", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	33.34	17.53
		For Seal Class B, Add	4.38	
		For Seal Class A, Add	9.35	
		For Work In Restricted Working Space, Add	8.76	
23 31 13 13-0026	LF	6" x 12", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	37.49	19.72
		For Seal Class B, Add	4.93	
		For Seal Class A, Add	10.52	
		For Work In Restricted Working Space, Add	9.86	
23 31 13 13-0027	LF	6" x 14", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	41.66	21.91
		For Seal Class B, Add	5.48	
		For Seal Class A, Add	11.69	
		For Work In Restricted Working Space, Add	10.96	
23 31 13 13-0028	LF	6" x 16", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	45.84	24.10
		For Seal Class B, Add	6.03	
		For Seal Class A, Add	12.85	
		For Work In Restricted Working Space, Add	12.05	
23 31 13 13-0029	LF	8" x 8", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	33.34	17.53
		For Seal Class B, Add	4.38	
		For Seal Class A, Add	9.35	
		For Work In Restricted Working Space, Add	8.76	
23 31 13 13-0030	LF	8" x 10", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	37.49	19.72
		For Seal Class B, Add	4.93	
		For Seal Class A, Add	10.52	
		For Work In Restricted Working Space, Add	9.86	
23 31 13 13-0031	LF	8" x 12", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	41.66	21.91
		For Seal Class B, Add	5.48	
		For Seal Class A, Add	11.69	
		For Work In Restricted Working Space, Add	10.96	
23 31 13 13-0032	LF	8" x 14", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	45.84	24.10
		For Seal Class B, Add	6.03	
		For Seal Class A, Add	12.85	
		For Work In Restricted Working Space, Add	12.05	
23 31 13 13-0033	LF	8" x 16", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	49.98	26.28
		For Seal Class B, Add	6.57	
		For Seal Class A, Add	14.02	
		For Work In Restricted Working Space, Add	13.14	
23 31 13 13-0034	LF	8" x 18", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	54.17	28.48
		For Seal Class B, Add	7.12	
		For Seal Class A, Add	15.19	
		For Work In Restricted Working Space, Add	14.24	
23 31 13 13-0035	LF	8" x 20", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	58.32	30.68
		For Seal Class B, Add	7.67	
		For Seal Class A, Add	16.36	
		For Work In Restricted Working Space, Add	15.34	
23 31 13 13-0036	LF	8" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	62.50	32.86
		For Seal Class B, Add	8.22	
		For Seal Class A, Add	17.53	
		For Work In Restricted Working Space, Add	16.43	
23 31 13 13-0037	LF	8" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	66.65	35.06
		For Seal Class B, Add	8.76	
		For Seal Class A, Add	18.69	
		For Work In Restricted Working Space, Add	17.52	
23 31 13 13-0038	LF	10" x 10", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	41.66	21.91
		For Seal Class B, Add	5.48	
		For Seal Class A, Add	11.69	
		For Work In Restricted Working Space, Add	10.96	
23 31 13 13-0039	LF	10" x 12", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	45.84	24.10
		For Seal Class B, Add	6.03	
		For Seal Class A, Add	12.85	
		For Work In Restricted Working Space, Add	12.05	
23 31 13 13-0040	LF	10" x 14", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	49.98	26.28
		For Seal Class B, Add	6.57	
		For Seal Class A, Add	14.02	
		For Work In Restricted Working Space, Add	13.14	
23 31 13 13-0041	LF	10" x 16", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	54.17	28.48
		For Seal Class B, Add	7.12	
		For Seal Class A, Add	15.19	
		For Work In Restricted Working Space, Add	14.24	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 31 13 13-0042	LF	10" x 18", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	58.32	30.68
		For Seal Class B, Add	7.67	
		For Seal Class A, Add	16.36	
		For Work In Restricted Working Space, Add	15.34	
23 31 13 13-0043	LF	10" x 20", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	62.50	32.86
		For Seal Class B, Add	8.22	
		For Seal Class A, Add	17.53	
		For Work In Restricted Working Space, Add	16.43	
23 31 13 13-0044	LF	10" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	66.65	35.06
		For Seal Class B, Add	8.76	
		For Seal Class A, Add	18.69	
		For Work In Restricted Working Space, Add	17.52	
23 31 13 13-0045	LF	10" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	70.83	37.24
		For Seal Class B, Add	9.31	
		For Seal Class A, Add	19.86	
		For Work In Restricted Working Space, Add	18.62	
23 31 13 13-0046	LF	12" x 12", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	49.98	26.28
		For Seal Class B, Add	6.57	
		For Seal Class A, Add	14.02	
		For Work In Restricted Working Space, Add	13.14	
23 31 13 13-0047	LF	12" x 14", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	54.17	28.48
		For Seal Class B, Add	7.12	
		For Seal Class A, Add	15.19	
		For Work In Restricted Working Space, Add	14.24	
23 31 13 13-0048	LF	12" x 16", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	58.32	30.68
		For Seal Class B, Add	7.67	
		For Seal Class A, Add	16.36	
		For Work In Restricted Working Space, Add	15.34	
23 31 13 13-0049	LF	12" x 18", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	62.50	32.86
		For Seal Class B, Add	8.22	
		For Seal Class A, Add	17.53	
		For Work In Restricted Working Space, Add	16.43	
23 31 13 13-0050	LF	12" x 20", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	66.65	35.06
		For Seal Class B, Add	8.76	
		For Seal Class A, Add	18.69	
		For Work In Restricted Working Space, Add	17.52	
23 31 13 13-0051	LF	12" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	70.83	37.24
		For Seal Class B, Add	9.31	
		For Seal Class A, Add	19.86	
		For Work In Restricted Working Space, Add	18.62	
23 31 13 13-0052	LF	12" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	75.00	39.43
		For Seal Class B, Add	9.86	
		For Seal Class A, Add	21.03	
		For Work In Restricted Working Space, Add	19.72	
23 31 13 13-0053	LF	14" x 14", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	58.32	30.68
		For Seal Class B, Add	7.67	
		For Seal Class A, Add	16.36	
		For Work In Restricted Working Space, Add	15.34	
23 31 13 13-0054	LF	14" x 16", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	62.50	32.86
		For Seal Class B, Add	8.22	
		For Seal Class A, Add	17.53	
		For Work In Restricted Working Space, Add	16.43	
23 31 13 13-0055	LF	14" x 18", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	66.65	35.06
		For Seal Class B, Add	8.76	
		For Seal Class A, Add	18.69	
		For Work In Restricted Working Space, Add	17.52	
23 31 13 13-0056	LF	14" x 20", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	70.83	37.24
		For Seal Class B, Add	9.31	
		For Seal Class A, Add	19.86	
		For Work In Restricted Working Space, Add	18.62	
23 31 13 13-0057	LF	14" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	75.00	39.43
		For Seal Class B, Add	9.86	
		For Seal Class A, Add	21.03	
		For Work In Restricted Working Space, Add	19.72	
23 31 13 13-0058	LF	14" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	79.18	41.63
		For Seal Class B, Add	10.41	
		For Seal Class A, Add	22.20	
		For Work In Restricted Working Space, Add	20.81	
23 31 13 13-0059	LF	16" x 16", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	66.65	35.06
		For Seal Class B, Add	8.76	
		For Seal Class A, Add	18.69	
		For Work In Restricted Working Space, Add	17.52	
23 31 13 13-0060	LF	16" x 18", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	70.83	37.24
		For Seal Class B, Add	9.31	
		For Seal Class A, Add	19.86	
		For Work In Restricted Working Space, Add	18.62	
23 31 13 13-0061	LF	16" x 20", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	75.00	39.43
		For Seal Class B, Add	9.86	
		For Seal Class A, Add	21.03	
		For Work In Restricted Working Space, Add	19.72	
23 31 13 13-0062	LF	16" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	79.18	41.63
		For Seal Class B, Add	10.41	
		For Seal Class A, Add	22.20	
		For Work In Restricted Working Space, Add	20.81	
23 31 13 13-0063	LF	16" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	83.33	43.81
		For Seal Class B, Add	10.95	
		For Seal Class A, Add	23.37	
		For Work In Restricted Working Space, Add	21.91	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0064	LF	18" x 18", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	75.00	39.43
		For Seal Class B, Add	9.86	
		For Seal Class A, Add	21.03	
		For Work In Restricted Working Space, Add	19.72	
23 31 13 13-0065	LF	18" x 20", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	79.18	41.63
		For Seal Class B, Add	10.41	
		For Seal Class A, Add	22.20	
		For Work In Restricted Working Space, Add	20.81	
23 31 13 13-0066	LF	18" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	83.33	43.81
		For Seal Class B, Add	10.95	
		For Seal Class A, Add	23.37	
		For Work In Restricted Working Space, Add	21.91	
23 31 13 13-0067	LF	18" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	87.47	46.01
		For Seal Class B, Add	11.50	
		For Seal Class A, Add	24.53	
		For Work In Restricted Working Space, Add	23.00	
23 31 13 13-0068	LF	20" x 20", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	83.33	43.81
		For Seal Class B, Add	10.95	
		For Seal Class A, Add	23.37	
		For Work In Restricted Working Space, Add	21.91	
23 31 13 13-0069	LF	20" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	87.47	46.01
		For Seal Class B, Add	11.50	
		For Seal Class A, Add	24.53	
		For Work In Restricted Working Space, Add	23.00	
23 31 13 13-0070	LF	20" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	91.65	48.19
		For Seal Class B, Add	12.05	
		For Seal Class A, Add	25.70	
		For Work In Restricted Working Space, Add	24.10	
23 31 13 13-0071	LF	22" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	91.65	48.19
		For Seal Class B, Add	12.05	
		For Seal Class A, Add	25.70	
		For Work In Restricted Working Space, Add	24.10	
23 31 13 13-0072	LF	22" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	95.82	50.39
		For Seal Class B, Add	12.60	
		For Seal Class A, Add	26.87	
		For Work In Restricted Working Space, Add	25.19	
23 31 13 13-0073	LF	24" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	100.01	52.58
		For Seal Class B, Add	13.15	
		For Seal Class A, Add	28.04	
		For Work In Restricted Working Space, Add	26.29	
23 31 13 13-0074 28 Gauge Galvanized Steel Metal Ductwork (23 31 13 13-0014)				
23 31 13 13-0075	LF	4" x 4", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	19.83	10.43
		For Seal Class B, Add	2.61	
		For Seal Class A, Add	5.56	
		For Work In Restricted Working Space, Add	5.22	
23 31 13 13-0076	LF	4" x 6", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	24.81	13.04
		For Seal Class B, Add	3.26	
		For Seal Class A, Add	6.96	
		For Work In Restricted Working Space, Add	6.52	
23 31 13 13-0077	LF	4" x 8", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	29.77	15.64
		For Seal Class B, Add	3.91	
		For Seal Class A, Add	8.35	
		For Work In Restricted Working Space, Add	7.83	
23 31 13 13-0078	LF	4" x 10", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	34.71	18.26
		For Seal Class B, Add	4.56	
		For Seal Class A, Add	9.74	
		For Work In Restricted Working Space, Add	9.13	
23 31 13 13-0079	LF	4" x 12", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	39.68	20.88
		For Seal Class B, Add	5.22	
		For Seal Class A, Add	11.13	
		For Work In Restricted Working Space, Add	10.43	
23 31 13 13-0080	LF	4" x 14", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	44.64	23.47
		For Seal Class B, Add	5.87	
		For Seal Class A, Add	12.52	
		For Work In Restricted Working Space, Add	11.74	
23 31 13 13-0081	LF	4" x 16", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	49.60	26.09
		For Seal Class B, Add	6.52	
		For Seal Class A, Add	13.91	
		For Work In Restricted Working Space, Add	13.04	
23 31 13 13-0082	LF	6" x 6", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	29.77	15.64
		For Seal Class B, Add	3.91	
		For Seal Class A, Add	8.35	
		For Work In Restricted Working Space, Add	7.83	
23 31 13 13-0083	LF	6" x 8", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	34.71	18.26
		For Seal Class B, Add	4.56	
		For Seal Class A, Add	9.74	
		For Work In Restricted Working Space, Add	9.13	
23 31 13 13-0084	LF	6" x 10", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	39.68	20.88
		For Seal Class B, Add	5.22	
		For Seal Class A, Add	11.13	
		For Work In Restricted Working Space, Add	10.43	
23 31 13 13-0085	LF	6" x 12", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	44.64	23.47
		For Seal Class B, Add	5.87	
		For Seal Class A, Add	12.52	
		For Work In Restricted Working Space, Add	11.74	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 31 13 13-0086	LF	6" x 14", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	49.60	26.09
		For Seal Class B, Add	6.52	
		For Seal Class A, Add	13.91	
		For Work In Restricted Working Space, Add	13.04	
23 31 13 13-0087	LF	6" x 16", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	54.57	28.69
		For Seal Class B, Add	7.17	
		For Seal Class A, Add	15.30	
		For Work In Restricted Working Space, Add	14.35	
23 31 13 13-0088	LF	8" x 8", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	39.68	20.88
		For Seal Class B, Add	5.22	
		For Seal Class A, Add	11.13	
		For Work In Restricted Working Space, Add	10.43	
23 31 13 13-0089	LF	8" x 10", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	44.64	23.47
		For Seal Class B, Add	5.87	
		For Seal Class A, Add	12.52	
		For Work In Restricted Working Space, Add	11.74	
23 31 13 13-0090	LF	8" x 12", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	49.60	26.09
		For Seal Class B, Add	6.52	
		For Seal Class A, Add	13.91	
		For Work In Restricted Working Space, Add	13.04	
23 31 13 13-0091	LF	8" x 14", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	54.57	28.69
		For Seal Class B, Add	7.17	
		For Seal Class A, Add	15.30	
		For Work In Restricted Working Space, Add	14.35	
23 31 13 13-0092	LF	8" x 16", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	59.51	31.30
		For Seal Class B, Add	7.82	
		For Seal Class A, Add	16.69	
		For Work In Restricted Working Space, Add	15.65	
23 31 13 13-0093	LF	8" x 18", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	64.47	33.90
		For Seal Class B, Add	8.48	
		For Seal Class A, Add	18.08	
		For Work In Restricted Working Space, Add	16.95	
23 31 13 13-0094	LF	8" x 20", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	69.45	36.52
		For Seal Class B, Add	9.13	
		For Seal Class A, Add	19.48	
		For Work In Restricted Working Space, Add	18.26	
23 31 13 13-0095	LF	8" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	74.39	39.12
		For Seal Class B, Add	9.78	
		For Seal Class A, Add	20.86	
		For Work In Restricted Working Space, Add	19.56	
23 31 13 13-0096	LF	8" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	79.37	41.73
		For Seal Class B, Add	10.43	
		For Seal Class A, Add	22.26	
		For Work In Restricted Working Space, Add	20.87	
23 31 13 13-0097	LF	10" x 10", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	49.60	26.09
		For Seal Class B, Add	6.52	
		For Seal Class A, Add	13.91	
		For Work In Restricted Working Space, Add	13.04	
23 31 13 13-0098	LF	10" x 12", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	54.57	28.69
		For Seal Class B, Add	7.17	
		For Seal Class A, Add	15.30	
		For Work In Restricted Working Space, Add	14.35	
23 31 13 13-0099	LF	10" x 14", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	59.51	31.30
		For Seal Class B, Add	7.82	
		For Seal Class A, Add	16.69	
		For Work In Restricted Working Space, Add	15.65	
23 31 13 13-0100	LF	10" x 16", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	64.47	33.90
		For Seal Class B, Add	8.48	
		For Seal Class A, Add	18.08	
		For Work In Restricted Working Space, Add	16.95	
23 31 13 13-0101	LF	10" x 18", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	69.45	36.52
		For Seal Class B, Add	9.13	
		For Seal Class A, Add	19.48	
		For Work In Restricted Working Space, Add	18.26	
23 31 13 13-0102	LF	10" x 20", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	74.39	39.12
		For Seal Class B, Add	9.78	
		For Seal Class A, Add	20.86	
		For Work In Restricted Working Space, Add	19.56	
23 31 13 13-0103	LF	10" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	79.37	41.73
		For Seal Class B, Add	10.43	
		For Seal Class A, Add	22.26	
		For Work In Restricted Working Space, Add	20.87	
23 31 13 13-0104	LF	10" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	84.34	44.35
		For Seal Class B, Add	11.09	
		For Seal Class A, Add	23.65	
		For Work In Restricted Working Space, Add	22.17	
23 31 13 13-0105	LF	12" x 12", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	59.51	31.30
		For Seal Class B, Add	7.82	
		For Seal Class A, Add	16.69	
		For Work In Restricted Working Space, Add	15.65	
23 31 13 13-0106	LF	12" x 14", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	64.47	33.90
		For Seal Class B, Add	8.48	
		For Seal Class A, Add	18.08	
		For Work In Restricted Working Space, Add	16.95	
23 31 13 13-0107	LF	12" x 16", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	69.45	36.52
		For Seal Class B, Add	9.13	
		For Seal Class A, Add	19.48	
		For Work In Restricted Working Space, Add	18.26	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0108	LF	12" x 18", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	74.39	39.12
		For Seal Class B, Add	9.78	
		For Seal Class A, Add	20.86	
		For Work In Restricted Working Space, Add	19.56	
23 31 13 13-0109	LF	12" x 20", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	79.37	41.73
		For Seal Class B, Add	10.43	
		For Seal Class A, Add	22.26	
		For Work In Restricted Working Space, Add	20.87	
23 31 13 13-0110	LF	12" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	84.34	44.35
		For Seal Class B, Add	11.09	
		For Seal Class A, Add	23.65	
		For Work In Restricted Working Space, Add	22.17	
23 31 13 13-0111	LF	12" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	89.28	46.94
		For Seal Class B, Add	11.74	
		For Seal Class A, Add	25.04	
		For Work In Restricted Working Space, Add	23.48	
23 31 13 13-0112	LF	14" x 14", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	69.45	36.52
		For Seal Class B, Add	9.13	
		For Seal Class A, Add	19.48	
		For Work In Restricted Working Space, Add	18.26	
23 31 13 13-0113	LF	14" x 16", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	74.39	39.12
		For Seal Class B, Add	9.78	
		For Seal Class A, Add	20.86	
		For Work In Restricted Working Space, Add	19.56	
23 31 13 13-0114	LF	14" x 18", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	79.37	41.73
		For Seal Class B, Add	10.43	
		For Seal Class A, Add	22.26	
		For Work In Restricted Working Space, Add	20.87	
23 31 13 13-0115	LF	14" x 20", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	84.34	44.35
		For Seal Class B, Add	11.09	
		For Seal Class A, Add	23.65	
		For Work In Restricted Working Space, Add	22.17	
23 31 13 13-0116	LF	14" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	89.28	46.94
		For Seal Class B, Add	11.74	
		For Seal Class A, Add	25.04	
		For Work In Restricted Working Space, Add	23.48	
23 31 13 13-0117	LF	14" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	94.26	49.56
		For Seal Class B, Add	12.39	
		For Seal Class A, Add	26.43	
		For Work In Restricted Working Space, Add	24.78	
23 31 13 13-0118	LF	16" x 16", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	79.37	41.73
		For Seal Class B, Add	10.43	
		For Seal Class A, Add	22.26	
		For Work In Restricted Working Space, Add	20.87	
23 31 13 13-0119	LF	16" x 18", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	84.34	44.35
		For Seal Class B, Add	11.09	
		For Seal Class A, Add	23.65	
		For Work In Restricted Working Space, Add	22.17	
23 31 13 13-0120	LF	16" x 20", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	89.28	46.94
		For Seal Class B, Add	11.74	
		For Seal Class A, Add	25.04	
		For Work In Restricted Working Space, Add	23.48	
23 31 13 13-0121	LF	16" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	94.26	49.56
		For Seal Class B, Add	12.39	
		For Seal Class A, Add	26.43	
		For Work In Restricted Working Space, Add	24.78	
23 31 13 13-0122	LF	16" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	99.21	52.16
		For Seal Class B, Add	13.04	
		For Seal Class A, Add	27.82	
		For Work In Restricted Working Space, Add	26.08	
23 31 13 13-0123	LF	18" x 18", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	89.28	46.94
		For Seal Class B, Add	11.74	
		For Seal Class A, Add	25.04	
		For Work In Restricted Working Space, Add	23.48	
23 31 13 13-0124	LF	18" x 20", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	94.26	49.56
		For Seal Class B, Add	12.39	
		For Seal Class A, Add	26.43	
		For Work In Restricted Working Space, Add	24.78	
23 31 13 13-0125	LF	18" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	99.21	52.16
		For Seal Class B, Add	13.04	
		For Seal Class A, Add	27.82	
		For Work In Restricted Working Space, Add	26.08	
23 31 13 13-0126	LF	18" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	104.16	54.78
		For Seal Class B, Add	13.69	
		For Seal Class A, Add	29.21	
		For Work In Restricted Working Space, Add	27.39	
23 31 13 13-0127	LF	20" x 20", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	99.21	52.16
		For Seal Class B, Add	13.04	
		For Seal Class A, Add	27.82	
		For Work In Restricted Working Space, Add	26.08	
23 31 13 13-0128	LF	20" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	104.16	54.78
		For Seal Class B, Add	13.69	
		For Seal Class A, Add	29.21	
		For Work In Restricted Working Space, Add	27.39	
23 31 13 13-0129	LF	20" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	109.14	57.38
		For Seal Class B, Add	14.35	
		For Seal Class A, Add	30.60	
		For Work In Restricted Working Space, Add	28.69	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
23 31 13 13-0130	LF 22" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	109.14		57.38	
	For Seal Class B, Add	14.35			
	For Seal Class A, Add	30.60			
	For Work In Restricted Working Space, Add	28.69			
23 31 13 13-0131	LF 22" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	114.07		59.99	
	For Seal Class B, Add	15.00			
	For Seal Class A, Add	31.99			
	For Work In Restricted Working Space, Add	29.99			
23 31 13 13-0132	LF 24" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	119.05		62.61	
	For Seal Class B, Add	15.65			
	For Seal Class A, Add	33.39			
	For Work In Restricted Working Space, Add	31.30			
23 31 13 13-0133 26 Gauge Galvanized Steel Metal Ductwork (23 31 13 13-0014)					
23 31 13 13-0134	LF 4" x 4", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	23.02		12.09	
	For Seal Class B, Add	3.03			
	For Seal Class A, Add	6.46			
	For Work In Restricted Working Space, Add	6.05			
23 31 13 13-0135	LF 4" x 6", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	28.78		15.12	
	For Seal Class B, Add	3.78			
	For Seal Class A, Add	8.07			
	For Work In Restricted Working Space, Add	7.57			
23 31 13 13-0136	LF 4" x 8", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	34.53		18.16	
	For Seal Class B, Add	4.54			
	For Seal Class A, Add	9.68			
	For Work In Restricted Working Space, Add	9.08			
23 31 13 13-0137	LF 4" x 10", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	40.28		21.19	
	For Seal Class B, Add	5.30			
	For Seal Class A, Add	11.30			
	For Work In Restricted Working Space, Add	10.59			
23 31 13 13-0138	LF 4" x 12", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	46.03		24.21	
	For Seal Class B, Add	6.05			
	For Seal Class A, Add	12.91			
	For Work In Restricted Working Space, Add	12.10			
23 31 13 13-0139	LF 4" x 14", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	51.78		27.23	
	For Seal Class B, Add	6.81			
	For Seal Class A, Add	14.52			
	For Work In Restricted Working Space, Add	13.61			
23 31 13 13-0140	LF 4" x 16", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	57.53		30.26	
	For Seal Class B, Add	7.56			
	For Seal Class A, Add	16.14			
	For Work In Restricted Working Space, Add	15.13			
23 31 13 13-0141	LF 6" x 6", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	34.53		18.16	
	For Seal Class B, Add	4.54			
	For Seal Class A, Add	9.68			
	For Work In Restricted Working Space, Add	9.08			
23 31 13 13-0142	LF 6" x 8", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	40.28		21.19	
	For Seal Class B, Add	5.30			
	For Seal Class A, Add	11.30			
	For Work In Restricted Working Space, Add	10.59			
23 31 13 13-0143	LF 6" x 10", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	46.03		24.21	
	For Seal Class B, Add	6.05			
	For Seal Class A, Add	12.91			
	For Work In Restricted Working Space, Add	12.10			
23 31 13 13-0144	LF 6" x 12", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	51.78		27.23	
	For Seal Class B, Add	6.81			
	For Seal Class A, Add	14.52			
	For Work In Restricted Working Space, Add	13.61			
23 31 13 13-0145	LF 6" x 14", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	57.53		30.26	
	For Seal Class B, Add	7.56			
	For Seal Class A, Add	16.14			
	For Work In Restricted Working Space, Add	15.13			
23 31 13 13-0146	LF 6" x 16", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	63.30		33.28	
	For Seal Class B, Add	8.32			
	For Seal Class A, Add	17.75			
	For Work In Restricted Working Space, Add	16.64			
23 31 13 13-0147	LF 8" x 8", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	46.03		24.21	
	For Seal Class B, Add	6.05			
	For Seal Class A, Add	12.91			
	For Work In Restricted Working Space, Add	12.10			
23 31 13 13-0148	LF 8" x 10", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	51.78		27.23	
	For Seal Class B, Add	6.81			
	For Seal Class A, Add	14.52			
	For Work In Restricted Working Space, Add	13.61			
23 31 13 13-0149	LF 8" x 12", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	57.54		30.26	
	For Seal Class B, Add	7.56			
	For Seal Class A, Add	16.14			
	For Work In Restricted Working Space, Add	15.13			
23 31 13 13-0150	LF 8" x 14", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	63.30		33.28	
	For Seal Class B, Add	8.32			
	For Seal Class A, Add	17.75			
	For Work In Restricted Working Space, Add	16.64			
23 31 13 13-0151	LF 8" x 16", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	69.06		36.31	
	For Seal Class B, Add	9.08			
	For Seal Class A, Add	19.37			
	For Work In Restricted Working Space, Add	18.16			

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0152	LF	8" x 18", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	74.80	39.33
		For Seal Class B, Add	9.83	
		For Seal Class A, Add	20.98	
		For Work In Restricted Working Space, Add	19.67	
23 31 13 13-0153	LF	8" x 20", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	80.55	42.36
		For Seal Class B, Add	10.59	
		For Seal Class A, Add	22.59	
		For Work In Restricted Working Space, Add	21.18	
23 31 13 13-0154	LF	8" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	86.32	45.38
		For Seal Class B, Add	11.35	
		For Seal Class A, Add	24.20	
		For Work In Restricted Working Space, Add	22.69	
23 31 13 13-0155	LF	8" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	92.06	48.40
		For Seal Class B, Add	12.10	
		For Seal Class A, Add	25.82	
		For Work In Restricted Working Space, Add	24.20	
23 31 13 13-0156	LF	10" x 10", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	57.54	30.26
		For Seal Class B, Add	7.56	
		For Seal Class A, Add	16.14	
		For Work In Restricted Working Space, Add	15.13	
23 31 13 13-0157	LF	10" x 12", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	63.29	33.28
		For Seal Class B, Add	8.32	
		For Seal Class A, Add	17.75	
		For Work In Restricted Working Space, Add	16.64	
23 31 13 13-0158	LF	10" x 14", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	69.06	36.31
		For Seal Class B, Add	9.08	
		For Seal Class A, Add	19.37	
		For Work In Restricted Working Space, Add	18.16	
23 31 13 13-0159	LF	10" x 16", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	74.80	39.33
		For Seal Class B, Add	9.83	
		For Seal Class A, Add	20.98	
		For Work In Restricted Working Space, Add	19.67	
23 31 13 13-0160	LF	10" x 18", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	80.55	42.36
		For Seal Class B, Add	10.59	
		For Seal Class A, Add	22.59	
		For Work In Restricted Working Space, Add	21.18	
23 31 13 13-0161	LF	10" x 20", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	86.32	45.38
		For Seal Class B, Add	11.35	
		For Seal Class A, Add	24.20	
		For Work In Restricted Working Space, Add	22.69	
23 31 13 13-0162	LF	10" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	92.06	48.40
		For Seal Class B, Add	12.10	
		For Seal Class A, Add	25.82	
		For Work In Restricted Working Space, Add	24.20	
23 31 13 13-0163	LF	10" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	97.83	51.44
		For Seal Class B, Add	12.86	
		For Seal Class A, Add	27.44	
		For Work In Restricted Working Space, Add	25.72	
23 31 13 13-0164	LF	12" x 12", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	69.05	36.31
		For Seal Class B, Add	9.08	
		For Seal Class A, Add	19.37	
		For Work In Restricted Working Space, Add	18.16	
23 31 13 13-0165	LF	12" x 14", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	74.80	39.33
		For Seal Class B, Add	9.83	
		For Seal Class A, Add	20.98	
		For Work In Restricted Working Space, Add	19.67	
23 31 13 13-0166	LF	12" x 16", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	80.55	42.36
		For Seal Class B, Add	10.59	
		For Seal Class A, Add	22.59	
		For Work In Restricted Working Space, Add	21.18	
23 31 13 13-0167	LF	12" x 18", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	86.32	45.38
		For Seal Class B, Add	11.35	
		For Seal Class A, Add	24.20	
		For Work In Restricted Working Space, Add	22.69	
23 31 13 13-0168	LF	12" x 20", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	92.06	48.40
		For Seal Class B, Add	12.10	
		For Seal Class A, Add	25.82	
		For Work In Restricted Working Space, Add	24.20	
23 31 13 13-0169	LF	12" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	97.83	51.44
		For Seal Class B, Add	12.86	
		For Seal Class A, Add	27.44	
		For Work In Restricted Working Space, Add	25.72	
23 31 13 13-0170	LF	12" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	103.57	54.47
		For Seal Class B, Add	13.62	
		For Seal Class A, Add	29.05	
		For Work In Restricted Working Space, Add	27.23	
23 31 13 13-0171	LF	14" x 14", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	80.55	42.36
		For Seal Class B, Add	10.59	
		For Seal Class A, Add	22.59	
		For Work In Restricted Working Space, Add	21.18	
23 31 13 13-0172	LF	14" x 16", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	86.32	45.38
		For Seal Class B, Add	11.35	
		For Seal Class A, Add	24.20	
		For Work In Restricted Working Space, Add	22.69	
23 31 13 13-0173	LF	14" x 18", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	92.06	48.40
		For Seal Class B, Add	12.10	
		For Seal Class A, Add	25.82	
		For Work In Restricted Working Space, Add	24.20	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 31 13 13-0174	LF	14" x 20", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	97.83	51.44
		For Seal Class B, Add	12.86	
		For Seal Class A, Add	27.44	
		For Work In Restricted Working Space, Add	25.72	
23 31 13 13-0175	LF	14" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	103.57	54.47
		For Seal Class B, Add	13.62	
		For Seal Class A, Add	29.05	
		For Work In Restricted Working Space, Add	27.23	
23 31 13 13-0176	LF	14" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	109.34	57.50
		For Seal Class B, Add	14.37	
		For Seal Class A, Add	30.66	
		For Work In Restricted Working Space, Add	28.75	
23 31 13 13-0177	LF	16" x 16", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	92.06	48.40
		For Seal Class B, Add	12.10	
		For Seal Class A, Add	25.82	
		For Work In Restricted Working Space, Add	24.20	
23 31 13 13-0178	LF	16" x 18", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	97.83	51.44
		For Seal Class B, Add	12.86	
		For Seal Class A, Add	27.44	
		For Work In Restricted Working Space, Add	25.72	
23 31 13 13-0179	LF	16" x 20", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	103.57	54.47
		For Seal Class B, Add	13.62	
		For Seal Class A, Add	29.05	
		For Work In Restricted Working Space, Add	27.23	
23 31 13 13-0180	LF	16" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	109.34	57.50
		For Seal Class B, Add	14.37	
		For Seal Class A, Add	30.66	
		For Work In Restricted Working Space, Add	28.75	
23 31 13 13-0181	LF	16" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	115.09	60.52
		For Seal Class B, Add	15.13	
		For Seal Class A, Add	32.28	
		For Work In Restricted Working Space, Add	30.26	
23 31 13 13-0182	LF	18" x 18", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	103.57	54.47
		For Seal Class B, Add	13.62	
		For Seal Class A, Add	29.05	
		For Work In Restricted Working Space, Add	27.23	
23 31 13 13-0183	LF	18" x 20", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	109.34	57.50
		For Seal Class B, Add	14.37	
		For Seal Class A, Add	30.66	
		For Work In Restricted Working Space, Add	28.75	
23 31 13 13-0184	LF	18" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	115.09	60.52
		For Seal Class B, Add	15.13	
		For Seal Class A, Add	32.28	
		For Work In Restricted Working Space, Add	30.26	
23 31 13 13-0185	LF	18" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	120.83	63.54
		For Seal Class B, Add	15.89	
		For Seal Class A, Add	33.89	
		For Work In Restricted Working Space, Add	31.77	
23 31 13 13-0186	LF	20" x 20", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	115.09	60.52
		For Seal Class B, Add	15.13	
		For Seal Class A, Add	32.28	
		For Work In Restricted Working Space, Add	30.26	
23 31 13 13-0187	LF	20" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	120.83	63.54
		For Seal Class B, Add	15.89	
		For Seal Class A, Add	33.89	
		For Work In Restricted Working Space, Add	31.77	
23 31 13 13-0188	LF	20" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	126.58	66.56
		For Seal Class B, Add	16.64	
		For Seal Class A, Add	35.50	
		For Work In Restricted Working Space, Add	33.28	
23 31 13 13-0189	LF	22" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	126.58	66.56
		For Seal Class B, Add	16.64	
		For Seal Class A, Add	35.50	
		For Work In Restricted Working Space, Add	33.28	
23 31 13 13-0190	LF	22" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	132.35	69.59
		For Seal Class B, Add	17.40	
		For Seal Class A, Add	37.11	
		For Work In Restricted Working Space, Add	34.79	
23 31 13 13-0191	LF	24" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	138.11	72.62
		For Seal Class B, Add	18.15	
		For Seal Class A, Add	38.73	
		For Work In Restricted Working Space, Add	36.31	

23 31 13 13-0192 24 Gauge Galvanized Steel Metal Ductwork (23 31 13 13-0014)

23 31 13 13-0193	LF	4" x 4", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	34.94	18.78
		For Seal Class B, Add	4.70	
		For Seal Class A, Add	10.02	
		For Work In Restricted Working Space, Add	9.39	
23 31 13 13-0194	LF	4" x 6", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	43.68	23.47
		For Seal Class B, Add	5.87	
		For Seal Class A, Add	12.52	
		For Work In Restricted Working Space, Add	11.74	
23 31 13 13-0195	LF	4" x 8", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	52.39	28.17
		For Seal Class B, Add	7.04	
		For Seal Class A, Add	15.02	
		For Work In Restricted Working Space, Add	14.09	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0196	LF	4" x 10", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	61.13	32.87
		For Seal Class B, Add	8.22	
		For Seal Class A, Add	17.53	
		For Work In Restricted Working Space, Add	16.43	
23 31 13 13-0197	LF	4" x 12", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	69.87	37.57
		For Seal Class B, Add	9.39	
		For Seal Class A, Add	20.04	
		For Work In Restricted Working Space, Add	18.78	
23 31 13 13-0198	LF	4" x 14", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	78.60	42.26
		For Seal Class B, Add	10.56	
		For Seal Class A, Add	22.54	
		For Work In Restricted Working Space, Add	21.13	
23 31 13 13-0199	LF	4" x 16", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	87.33	46.95
		For Seal Class B, Add	11.74	
		For Seal Class A, Add	25.04	
		For Work In Restricted Working Space, Add	23.48	
23 31 13 13-0200	LF	6" x 6", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	52.39	28.17
		For Seal Class B, Add	7.04	
		For Seal Class A, Add	15.02	
		For Work In Restricted Working Space, Add	14.09	
23 31 13 13-0201	LF	6" x 8", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	61.13	32.87
		For Seal Class B, Add	8.22	
		For Seal Class A, Add	17.53	
		For Work In Restricted Working Space, Add	16.43	
23 31 13 13-0202	LF	6" x 10", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	69.87	37.57
		For Seal Class B, Add	9.39	
		For Seal Class A, Add	20.04	
		For Work In Restricted Working Space, Add	18.78	
23 31 13 13-0203	LF	6" x 12", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	78.60	42.26
		For Seal Class B, Add	10.56	
		For Seal Class A, Add	22.54	
		For Work In Restricted Working Space, Add	21.13	
23 31 13 13-0204	LF	6" x 14", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	87.33	46.95
		For Seal Class B, Add	11.74	
		For Seal Class A, Add	25.04	
		For Work In Restricted Working Space, Add	23.48	
23 31 13 13-0205	LF	6" x 16", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	96.07	51.66
		For Seal Class B, Add	12.91	
		For Seal Class A, Add	27.55	
		For Work In Restricted Working Space, Add	25.83	
23 31 13 13-0206	LF	8" x 8", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	69.87	37.57
		For Seal Class B, Add	9.39	
		For Seal Class A, Add	20.04	
		For Work In Restricted Working Space, Add	18.78	
23 31 13 13-0207	LF	8" x 10", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	78.60	42.26
		For Seal Class B, Add	10.56	
		For Seal Class A, Add	22.54	
		For Work In Restricted Working Space, Add	21.13	
23 31 13 13-0208	LF	8" x 12", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	87.33	46.95
		For Seal Class B, Add	11.74	
		For Seal Class A, Add	25.04	
		For Work In Restricted Working Space, Add	23.48	
23 31 13 13-0209	LF	8" x 14", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	96.07	51.66
		For Seal Class B, Add	12.91	
		For Seal Class A, Add	27.55	
		For Work In Restricted Working Space, Add	25.83	
23 31 13 13-0210	LF	8" x 16", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	104.81	56.34
		For Seal Class B, Add	14.09	
		For Seal Class A, Add	30.05	
		For Work In Restricted Working Space, Add	28.18	
23 31 13 13-0211	LF	8" x 18", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	113.53	61.04
		For Seal Class B, Add	15.26	
		For Seal Class A, Add	32.55	
		For Work In Restricted Working Space, Add	30.52	
23 31 13 13-0212	LF	8" x 20", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	122.26	65.75
		For Seal Class B, Add	16.43	
		For Seal Class A, Add	35.06	
		For Work In Restricted Working Space, Add	32.87	
23 31 13 13-0213	LF	8" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	131.00	70.43
		For Seal Class B, Add	17.61	
		For Seal Class A, Add	37.56	
		For Work In Restricted Working Space, Add	35.22	
23 31 13 13-0214	LF	8" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	139.73	75.13
		For Seal Class B, Add	18.78	
		For Seal Class A, Add	40.07	
		For Work In Restricted Working Space, Add	37.56	
23 31 13 13-0215	LF	10" x 10", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	87.33	46.95
		For Seal Class B, Add	11.74	
		For Seal Class A, Add	25.04	
		For Work In Restricted Working Space, Add	23.48	
23 31 13 13-0216	LF	10" x 12", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	96.07	51.66
		For Seal Class B, Add	12.91	
		For Seal Class A, Add	27.55	
		For Work In Restricted Working Space, Add	25.83	
23 31 13 13-0217	LF	10" x 14", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	104.81	56.34
		For Seal Class B, Add	14.09	
		For Seal Class A, Add	30.05	
		For Work In Restricted Working Space, Add	28.18	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 31 13 13-0218	LF	10" x 16", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	113.53	61.04
		For Seal Class B, Add	15.26	
		For Seal Class A, Add	32.55	
		For Work In Restricted Working Space, Add	30.52	
23 31 13 13-0219	LF	10" x 18", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	122.26	65.75
		For Seal Class B, Add	16.43	
		For Seal Class A, Add	35.06	
		For Work In Restricted Working Space, Add	32.87	
23 31 13 13-0220	LF	10" x 20", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	131.00	70.43
		For Seal Class B, Add	17.61	
		For Seal Class A, Add	37.56	
		For Work In Restricted Working Space, Add	35.22	
23 31 13 13-0221	LF	10" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	139.73	75.13
		For Seal Class B, Add	18.78	
		For Seal Class A, Add	40.07	
		For Work In Restricted Working Space, Add	37.56	
23 31 13 13-0222	LF	10" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	148.47	79.83
		For Seal Class B, Add	19.96	
		For Seal Class A, Add	42.57	
		For Work In Restricted Working Space, Add	39.91	
23 31 13 13-0223	LF	10" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	157.20	84.51
		For Seal Class B, Add	21.13	
		For Seal Class A, Add	45.08	
		For Work In Restricted Working Space, Add	42.26	
23 31 13 13-0224	LF	10" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	165.94	89.22
		For Seal Class B, Add	22.31	
		For Seal Class A, Add	47.58	
		For Work In Restricted Working Space, Add	44.61	
23 31 13 13-0225	LF	10" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	174.66	93.92
		For Seal Class B, Add	23.48	
		For Seal Class A, Add	50.08	
		For Work In Restricted Working Space, Add	46.95	
23 31 13 13-0226	LF	12" x 12", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	104.81	56.34
		For Seal Class B, Add	14.09	
		For Seal Class A, Add	30.05	
		For Work In Restricted Working Space, Add	28.18	
23 31 13 13-0227	LF	12" x 14", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	113.53	61.04
		For Seal Class B, Add	15.26	
		For Seal Class A, Add	32.55	
		For Work In Restricted Working Space, Add	30.52	
23 31 13 13-0228	LF	12" x 16", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	122.26	65.75
		For Seal Class B, Add	16.43	
		For Seal Class A, Add	35.06	
		For Work In Restricted Working Space, Add	32.87	
23 31 13 13-0229	LF	12" x 18", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	131.00	70.43
		For Seal Class B, Add	17.61	
		For Seal Class A, Add	37.56	
		For Work In Restricted Working Space, Add	35.22	
23 31 13 13-0230	LF	12" x 20", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	139.73	75.13
		For Seal Class B, Add	18.78	
		For Seal Class A, Add	40.07	
		For Work In Restricted Working Space, Add	37.56	
23 31 13 13-0231	LF	12" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	148.47	79.83
		For Seal Class B, Add	19.96	
		For Seal Class A, Add	42.57	
		For Work In Restricted Working Space, Add	39.91	
23 31 13 13-0232	LF	12" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	157.20	84.51
		For Seal Class B, Add	21.13	
		For Seal Class A, Add	45.08	
		For Work In Restricted Working Space, Add	42.26	
23 31 13 13-0233	LF	12" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	165.94	89.22
		For Seal Class B, Add	22.31	
		For Seal Class A, Add	47.58	
		For Work In Restricted Working Space, Add	44.61	
23 31 13 13-0234	LF	12" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	174.66	93.92
		For Seal Class B, Add	23.48	
		For Seal Class A, Add	50.08	
		For Work In Restricted Working Space, Add	46.95	
23 31 13 13-0235	LF	12" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	183.40	98.62
		For Seal Class B, Add	24.65	
		For Seal Class A, Add	52.59	
		For Work In Restricted Working Space, Add	49.30	
23 31 13 13-0236	LF	14" x 14", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	122.26	65.75
		For Seal Class B, Add	16.43	
		For Seal Class A, Add	35.06	
		For Work In Restricted Working Space, Add	32.87	
23 31 13 13-0237	LF	14" x 16", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	131.00	70.43
		For Seal Class B, Add	17.61	
		For Seal Class A, Add	37.56	
		For Work In Restricted Working Space, Add	35.22	
23 31 13 13-0238	LF	14" x 18", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	139.73	75.13
		For Seal Class B, Add	18.78	
		For Seal Class A, Add	40.07	
		For Work In Restricted Working Space, Add	37.56	
23 31 13 13-0239	LF	14" x 20", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	148.47	79.83
		For Seal Class B, Add	19.96	
		For Seal Class A, Add	42.57	
		For Work In Restricted Working Space, Add	39.91	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0240	LF	14" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	157.20	84.51
		For Seal Class B, Add	21.13	
		For Seal Class A, Add	45.08	
		For Work In Restricted Working Space, Add	42.26	
23 31 13 13-0241	LF	14" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	165.94	89.22
		For Seal Class B, Add	22.31	
		For Seal Class A, Add	47.58	
		For Work In Restricted Working Space, Add	44.61	
23 31 13 13-0242	LF	14" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	174.66	93.92
		For Seal Class B, Add	23.48	
		For Seal Class A, Add	50.08	
		For Work In Restricted Working Space, Add	46.95	
23 31 13 13-0243	LF	14" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	183.40	98.62
		For Seal Class B, Add	24.65	
		For Seal Class A, Add	52.59	
		For Work In Restricted Working Space, Add	49.30	
23 31 13 13-0244	LF	14" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	192.13	103.30
		For Seal Class B, Add	25.83	
		For Seal Class A, Add	55.09	
		For Work In Restricted Working Space, Add	51.65	
23 31 13 13-0245	LF	16" x 16", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	139.73	75.13
		For Seal Class B, Add	18.78	
		For Seal Class A, Add	40.07	
		For Work In Restricted Working Space, Add	37.56	
23 31 13 13-0246	LF	16" x 18", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	148.47	79.83
		For Seal Class B, Add	19.96	
		For Seal Class A, Add	42.57	
		For Work In Restricted Working Space, Add	39.91	
23 31 13 13-0247	LF	16" x 20", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	157.20	84.51
		For Seal Class B, Add	21.13	
		For Seal Class A, Add	45.08	
		For Work In Restricted Working Space, Add	42.26	
23 31 13 13-0248	LF	16" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	165.94	89.22
		For Seal Class B, Add	22.31	
		For Seal Class A, Add	47.58	
		For Work In Restricted Working Space, Add	44.61	
23 31 13 13-0249	LF	16" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	174.66	93.92
		For Seal Class B, Add	23.48	
		For Seal Class A, Add	50.08	
		For Work In Restricted Working Space, Add	46.95	
23 31 13 13-0250	LF	16" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	183.40	98.62
		For Seal Class B, Add	24.65	
		For Seal Class A, Add	52.59	
		For Work In Restricted Working Space, Add	49.30	
23 31 13 13-0251	LF	16" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	192.13	103.30
		For Seal Class B, Add	25.83	
		For Seal Class A, Add	55.09	
		For Work In Restricted Working Space, Add	51.65	
23 31 13 13-0252	LF	16" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	200.86	108.00
		For Seal Class B, Add	27.00	
		For Seal Class A, Add	57.60	
		For Work In Restricted Working Space, Add	54.00	
23 31 13 13-0253	LF	18" x 18", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	157.20	84.51
		For Seal Class B, Add	21.13	
		For Seal Class A, Add	45.08	
		For Work In Restricted Working Space, Add	42.26	
23 31 13 13-0254	LF	18" x 20", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	165.94	89.22
		For Seal Class B, Add	22.31	
		For Seal Class A, Add	47.58	
		For Work In Restricted Working Space, Add	44.61	
23 31 13 13-0255	LF	18" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	174.66	93.92
		For Seal Class B, Add	23.48	
		For Seal Class A, Add	50.08	
		For Work In Restricted Working Space, Add	46.95	
23 31 13 13-0256	LF	18" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	183.40	98.62
		For Seal Class B, Add	24.65	
		For Seal Class A, Add	52.59	
		For Work In Restricted Working Space, Add	49.30	
23 31 13 13-0257	LF	18" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	192.13	103.30
		For Seal Class B, Add	25.83	
		For Seal Class A, Add	55.09	
		For Work In Restricted Working Space, Add	51.65	
23 31 13 13-0258	LF	18" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	200.86	108.00
		For Seal Class B, Add	27.00	
		For Seal Class A, Add	57.60	
		For Work In Restricted Working Space, Add	54.00	
23 31 13 13-0259	LF	18" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	209.61	112.70
		For Seal Class B, Add	28.17	
		For Seal Class A, Add	60.11	
		For Work In Restricted Working Space, Add	56.35	
23 31 13 13-0260	LF	20" x 20", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	174.66	93.92
		For Seal Class B, Add	23.48	
		For Seal Class A, Add	50.08	
		For Work In Restricted Working Space, Add	46.95	
23 31 13 13-0261	LF	20" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	183.40	98.62
		For Seal Class B, Add	24.65	
		For Seal Class A, Add	52.59	
		For Work In Restricted Working Space, Add	49.30	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 31 13 13-0262	LF	20" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	192.13	103.30
		For Seal Class B, Add	25.83	
		For Seal Class A, Add	55.09	
		For Work In Restricted Working Space, Add	51.65	
23 31 13 13-0263	LF	20" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	200.86	108.00
		For Seal Class B, Add	27.00	
		For Seal Class A, Add	57.60	
		For Work In Restricted Working Space, Add	54.00	
23 31 13 13-0264	LF	20" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	209.61	112.70
		For Seal Class B, Add	28.17	
		For Seal Class A, Add	60.11	
		For Work In Restricted Working Space, Add	56.35	
23 31 13 13-0265	LF	20" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	218.34	117.39
		For Seal Class B, Add	29.35	
		For Seal Class A, Add	62.61	
		For Work In Restricted Working Space, Add	58.70	
23 31 13 13-0266	LF	22" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	192.13	103.30
		For Seal Class B, Add	25.83	
		For Seal Class A, Add	55.09	
		For Work In Restricted Working Space, Add	51.65	
23 31 13 13-0267	LF	22" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	200.86	108.00
		For Seal Class B, Add	27.00	
		For Seal Class A, Add	57.60	
		For Work In Restricted Working Space, Add	54.00	
23 31 13 13-0268	LF	22" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	209.61	112.70
		For Seal Class B, Add	28.17	
		For Seal Class A, Add	60.11	
		For Work In Restricted Working Space, Add	56.35	
23 31 13 13-0269	LF	22" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	218.34	117.39
		For Seal Class B, Add	29.35	
		For Seal Class A, Add	62.61	
		For Work In Restricted Working Space, Add	58.70	
23 31 13 13-0270	LF	22" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	227.07	122.09
		For Seal Class B, Add	30.52	
		For Seal Class A, Add	65.11	
		For Work In Restricted Working Space, Add	61.04	
23 31 13 13-0271	LF	24" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	209.61	112.70
		For Seal Class B, Add	28.17	
		For Seal Class A, Add	60.11	
		For Work In Restricted Working Space, Add	56.35	
23 31 13 13-0272	LF	24" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	218.34	117.39
		For Seal Class B, Add	29.35	
		For Seal Class A, Add	62.61	
		For Work In Restricted Working Space, Add	58.70	
23 31 13 13-0273	LF	24" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	227.07	122.09
		For Seal Class B, Add	30.52	
		For Seal Class A, Add	65.11	
		For Work In Restricted Working Space, Add	61.04	
23 31 13 13-0274	LF	24" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	235.81	126.79
		For Seal Class B, Add	31.70	
		For Seal Class A, Add	67.62	
		For Work In Restricted Working Space, Add	63.39	
23 31 13 13-0275	LF	26" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	227.07	122.09
		For Seal Class B, Add	30.52	
		For Seal Class A, Add	65.11	
		For Work In Restricted Working Space, Add	61.04	
23 31 13 13-0276	LF	26" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	235.81	126.79
		For Seal Class B, Add	31.70	
		For Seal Class A, Add	67.62	
		For Work In Restricted Working Space, Add	63.39	
23 31 13 13-0277	LF	26" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	244.53	131.47
		For Seal Class B, Add	32.87	
		For Seal Class A, Add	70.12	
		For Work In Restricted Working Space, Add	65.74	
23 31 13 13-0278	LF	28" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	244.53	131.47
		For Seal Class B, Add	32.87	
		For Seal Class A, Add	70.12	
		For Work In Restricted Working Space, Add	65.74	
23 31 13 13-0279	LF	28" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	253.27	136.17
		For Seal Class B, Add	34.04	
		For Seal Class A, Add	72.62	
		For Work In Restricted Working Space, Add	68.09	
23 31 13 13-0280	LF	30" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	262.01	140.87
		For Seal Class B, Add	35.22	
		For Seal Class A, Add	75.13	
		For Work In Restricted Working Space, Add	70.44	

23 31 13 13-0281 22 Gauge Galvanized Steel Metal Ductwork
(23 31 13 13-0014)

23 31 13 13-0282	LF	4" x 4", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	35.72	18.78
		For Seal Class B, Add	4.70	
		For Seal Class A, Add	10.02	
		For Work In Restricted Working Space, Add	9.39	
23 31 13 13-0283	LF	4" x 6", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	44.66	23.47
		For Seal Class B, Add	5.87	
		For Seal Class A, Add	12.52	
		For Work In Restricted Working Space, Add	11.74	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0284	LF	4" x 8", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	53.57	28.17
		For Seal Class B, Add	7.04	
		For Seal Class A, Add	15.02	
		For Work In Restricted Working Space, Add	14.09	
23 31 13 13-0285	LF	4" x 10", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	62.51	32.87
		For Seal Class B, Add	8.22	
		For Seal Class A, Add	17.53	
		For Work In Restricted Working Space, Add	16.43	
23 31 13 13-0286	LF	4" x 12", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	71.44	37.57
		For Seal Class B, Add	9.39	
		For Seal Class A, Add	20.04	
		For Work In Restricted Working Space, Add	18.78	
23 31 13 13-0287	LF	4" x 14", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	80.36	42.26
		For Seal Class B, Add	10.56	
		For Seal Class A, Add	22.54	
		For Work In Restricted Working Space, Add	21.13	
23 31 13 13-0288	LF	4" x 16", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	89.30	46.95
		For Seal Class B, Add	11.74	
		For Seal Class A, Add	25.04	
		For Work In Restricted Working Space, Add	23.48	
23 31 13 13-0289	LF	6" x 6", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	53.57	28.17
		For Seal Class B, Add	7.04	
		For Seal Class A, Add	15.02	
		For Work In Restricted Working Space, Add	14.09	
23 31 13 13-0290	LF	6" x 8", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	62.51	32.87
		For Seal Class B, Add	8.22	
		For Seal Class A, Add	17.53	
		For Work In Restricted Working Space, Add	16.43	
23 31 13 13-0291	LF	6" x 10", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	71.44	37.57
		For Seal Class B, Add	9.39	
		For Seal Class A, Add	20.04	
		For Work In Restricted Working Space, Add	18.78	
23 31 13 13-0292	LF	6" x 12", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	80.36	42.26
		For Seal Class B, Add	10.56	
		For Seal Class A, Add	22.54	
		For Work In Restricted Working Space, Add	21.13	
23 31 13 13-0293	LF	6" x 14", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	89.30	46.95
		For Seal Class B, Add	11.74	
		For Seal Class A, Add	25.04	
		For Work In Restricted Working Space, Add	23.48	
23 31 13 13-0294	LF	6" x 16", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	98.23	51.66
		For Seal Class B, Add	12.91	
		For Seal Class A, Add	27.55	
		For Work In Restricted Working Space, Add	25.83	
23 31 13 13-0295	LF	8" x 8", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	71.44	37.57
		For Seal Class B, Add	9.39	
		For Seal Class A, Add	20.04	
		For Work In Restricted Working Space, Add	18.78	
23 31 13 13-0296	LF	8" x 10", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	80.36	42.26
		For Seal Class B, Add	10.56	
		For Seal Class A, Add	22.54	
		For Work In Restricted Working Space, Add	21.13	
23 31 13 13-0297	LF	8" x 12", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	89.30	46.95
		For Seal Class B, Add	11.74	
		For Seal Class A, Add	25.04	
		For Work In Restricted Working Space, Add	23.48	
23 31 13 13-0298	LF	8" x 14", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	98.23	51.66
		For Seal Class B, Add	12.91	
		For Seal Class A, Add	27.55	
		For Work In Restricted Working Space, Add	25.83	
23 31 13 13-0299	LF	8" x 16", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	107.16	56.34
		For Seal Class B, Add	14.09	
		For Seal Class A, Add	30.05	
		For Work In Restricted Working Space, Add	28.18	
23 31 13 13-0300	LF	8" x 18", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	116.08	61.04
		For Seal Class B, Add	15.26	
		For Seal Class A, Add	32.55	
		For Work In Restricted Working Space, Add	30.52	
23 31 13 13-0301	LF	8" x 20", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	125.01	65.75
		For Seal Class B, Add	16.43	
		For Seal Class A, Add	35.06	
		For Work In Restricted Working Space, Add	32.87	
23 31 13 13-0302	LF	8" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	133.95	70.43
		For Seal Class B, Add	17.61	
		For Seal Class A, Add	37.56	
		For Work In Restricted Working Space, Add	35.22	
23 31 13 13-0303	LF	8" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	142.87	75.13
		For Seal Class B, Add	18.78	
		For Seal Class A, Add	40.07	
		For Work In Restricted Working Space, Add	37.56	
23 31 13 13-0304	LF	10" x 10", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	89.30	46.95
		For Seal Class B, Add	11.74	
		For Seal Class A, Add	25.04	
		For Work In Restricted Working Space, Add	23.48	
23 31 13 13-0305	LF	10" x 12", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	98.23	51.66
		For Seal Class B, Add	12.91	
		For Seal Class A, Add	27.55	
		For Work In Restricted Working Space, Add	25.83	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 31 13 13-0306	LF	10" x 14", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	107.16	56.34
		For Seal Class B, Add	14.09	
		For Seal Class A, Add	30.05	
		For Work In Restricted Working Space, Add	28.18	
23 31 13 13-0307	LF	10" x 16", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	116.08	61.04
		For Seal Class B, Add	15.26	
		For Seal Class A, Add	32.55	
		For Work In Restricted Working Space, Add	30.52	
23 31 13 13-0308	LF	10" x 18", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	125.01	65.75
		For Seal Class B, Add	16.43	
		For Seal Class A, Add	35.06	
		For Work In Restricted Working Space, Add	32.87	
23 31 13 13-0309	LF	10" x 20", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	133.95	70.43
		For Seal Class B, Add	17.61	
		For Seal Class A, Add	37.56	
		For Work In Restricted Working Space, Add	35.22	
23 31 13 13-0310	LF	10" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	142.87	75.13
		For Seal Class B, Add	18.78	
		For Seal Class A, Add	40.07	
		For Work In Restricted Working Space, Add	37.56	
23 31 13 13-0311	LF	10" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	151.80	79.83
		For Seal Class B, Add	19.96	
		For Seal Class A, Add	42.57	
		For Work In Restricted Working Space, Add	39.91	
23 31 13 13-0312	LF	10" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	160.74	84.51
		For Seal Class B, Add	21.13	
		For Seal Class A, Add	45.08	
		For Work In Restricted Working Space, Add	42.26	
23 31 13 13-0313	LF	10" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	169.67	89.22
		For Seal Class B, Add	22.31	
		For Seal Class A, Add	47.58	
		For Work In Restricted Working Space, Add	44.61	
23 31 13 13-0314	LF	10" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	178.58	93.92
		For Seal Class B, Add	23.48	
		For Seal Class A, Add	50.08	
		For Work In Restricted Working Space, Add	46.95	
23 31 13 13-0315	LF	10" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	187.52	98.62
		For Seal Class B, Add	24.65	
		For Seal Class A, Add	52.59	
		For Work In Restricted Working Space, Add	49.30	
23 31 13 13-0316	LF	12" x 12", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	107.16	56.34
		For Seal Class B, Add	14.09	
		For Seal Class A, Add	30.05	
		For Work In Restricted Working Space, Add	28.18	
23 31 13 13-0317	LF	12" x 14", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	116.08	61.04
		For Seal Class B, Add	15.26	
		For Seal Class A, Add	32.55	
		For Work In Restricted Working Space, Add	30.52	
23 31 13 13-0318	LF	12" x 16", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	125.01	65.75
		For Seal Class B, Add	16.43	
		For Seal Class A, Add	35.06	
		For Work In Restricted Working Space, Add	32.87	
23 31 13 13-0319	LF	12" x 18", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	133.95	70.43
		For Seal Class B, Add	17.61	
		For Seal Class A, Add	37.56	
		For Work In Restricted Working Space, Add	35.22	
23 31 13 13-0320	LF	12" x 20", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	142.87	75.13
		For Seal Class B, Add	18.78	
		For Seal Class A, Add	40.07	
		For Work In Restricted Working Space, Add	37.56	
23 31 13 13-0321	LF	12" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	151.80	79.83
		For Seal Class B, Add	19.96	
		For Seal Class A, Add	42.57	
		For Work In Restricted Working Space, Add	39.91	
23 31 13 13-0322	LF	12" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	160.74	84.51
		For Seal Class B, Add	21.13	
		For Seal Class A, Add	45.08	
		For Work In Restricted Working Space, Add	42.26	
23 31 13 13-0323	LF	12" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	169.67	89.22
		For Seal Class B, Add	22.31	
		For Seal Class A, Add	47.58	
		For Work In Restricted Working Space, Add	44.61	
23 31 13 13-0324	LF	12" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	178.58	93.92
		For Seal Class B, Add	23.48	
		For Seal Class A, Add	50.08	
		For Work In Restricted Working Space, Add	46.95	
23 31 13 13-0325	LF	12" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	187.52	98.62
		For Seal Class B, Add	24.65	
		For Seal Class A, Add	52.59	
		For Work In Restricted Working Space, Add	49.30	
23 31 13 13-0326	LF	12" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	196.45	103.30
		For Seal Class B, Add	25.83	
		For Seal Class A, Add	55.09	
		For Work In Restricted Working Space, Add	51.65	
23 31 13 13-0327	LF	12" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	205.38	108.00
		For Seal Class B, Add	27.00	
		For Seal Class A, Add	57.60	
		For Work In Restricted Working Space, Add	54.00	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0328	LF	12" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	214.32	112.70
		For Seal Class B, Add	28.17	
		For Seal Class A, Add	60.11	
		For Work In Restricted Working Space, Add	56.35	
23 31 13 13-0329	LF	14" x 14", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	125.01	65.75
		For Seal Class B, Add	16.43	
		For Seal Class A, Add	35.06	
		For Work In Restricted Working Space, Add	32.87	
23 31 13 13-0330	LF	14" x 16", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	133.95	70.43
		For Seal Class B, Add	17.61	
		For Seal Class A, Add	37.56	
		For Work In Restricted Working Space, Add	35.22	
23 31 13 13-0331	LF	14" x 18", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	142.87	75.13
		For Seal Class B, Add	18.78	
		For Seal Class A, Add	40.07	
		For Work In Restricted Working Space, Add	37.56	
23 31 13 13-0332	LF	14" x 20", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	151.80	79.83
		For Seal Class B, Add	19.96	
		For Seal Class A, Add	42.57	
		For Work In Restricted Working Space, Add	39.91	
23 31 13 13-0333	LF	14" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	160.74	84.51
		For Seal Class B, Add	21.13	
		For Seal Class A, Add	45.08	
		For Work In Restricted Working Space, Add	42.26	
23 31 13 13-0334	LF	14" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	169.67	89.22
		For Seal Class B, Add	22.31	
		For Seal Class A, Add	47.58	
		For Work In Restricted Working Space, Add	44.61	
23 31 13 13-0335	LF	14" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	178.58	93.92
		For Seal Class B, Add	23.48	
		For Seal Class A, Add	50.08	
		For Work In Restricted Working Space, Add	46.95	
23 31 13 13-0336	LF	14" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	187.52	98.62
		For Seal Class B, Add	24.65	
		For Seal Class A, Add	52.59	
		For Work In Restricted Working Space, Add	49.30	
23 31 13 13-0337	LF	14" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	196.45	103.30
		For Seal Class B, Add	25.83	
		For Seal Class A, Add	55.09	
		For Work In Restricted Working Space, Add	51.65	
23 31 13 13-0338	LF	14" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	205.38	108.00
		For Seal Class B, Add	27.00	
		For Seal Class A, Add	57.60	
		For Work In Restricted Working Space, Add	54.00	
23 31 13 13-0339	LF	14" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	214.32	112.70
		For Seal Class B, Add	28.17	
		For Seal Class A, Add	60.11	
		For Work In Restricted Working Space, Add	56.35	
23 31 13 13-0340	LF	14" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	223.24	117.39
		For Seal Class B, Add	29.35	
		For Seal Class A, Add	62.61	
		For Work In Restricted Working Space, Add	58.70	
23 31 13 13-0341	LF	16" x 16", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	142.87	75.13
		For Seal Class B, Add	18.78	
		For Seal Class A, Add	40.07	
		For Work In Restricted Working Space, Add	37.56	
23 31 13 13-0342	LF	16" x 18", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	151.80	79.83
		For Seal Class B, Add	19.96	
		For Seal Class A, Add	42.57	
		For Work In Restricted Working Space, Add	39.91	
23 31 13 13-0343	LF	16" x 20", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	160.74	84.51
		For Seal Class B, Add	21.13	
		For Seal Class A, Add	45.08	
		For Work In Restricted Working Space, Add	42.26	
23 31 13 13-0344	LF	16" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	169.67	89.22
		For Seal Class B, Add	22.31	
		For Seal Class A, Add	47.58	
		For Work In Restricted Working Space, Add	44.61	
23 31 13 13-0345	LF	16" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	178.58	93.92
		For Seal Class B, Add	23.48	
		For Seal Class A, Add	50.08	
		For Work In Restricted Working Space, Add	46.95	
23 31 13 13-0346	LF	16" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	187.52	98.62
		For Seal Class B, Add	24.65	
		For Seal Class A, Add	52.59	
		For Work In Restricted Working Space, Add	49.30	
23 31 13 13-0347	LF	16" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	196.45	103.30
		For Seal Class B, Add	25.83	
		For Seal Class A, Add	55.09	
		For Work In Restricted Working Space, Add	51.65	
23 31 13 13-0348	LF	16" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	205.38	108.00
		For Seal Class B, Add	27.00	
		For Seal Class A, Add	57.60	
		For Work In Restricted Working Space, Add	54.00	
23 31 13 13-0349	LF	16" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	214.32	112.70
		For Seal Class B, Add	28.17	
		For Seal Class A, Add	60.11	
		For Work In Restricted Working Space, Add	56.35	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 31 13 13-0350	LF	16" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	223.24	117.39
		For Seal Class B, Add	29.35	
		For Seal Class A, Add	62.61	
		For Work In Restricted Working Space, Add	58.70	
23 31 13 13-0351	LF	16" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	232.18	122.09
		For Seal Class B, Add	30.52	
		For Seal Class A, Add	65.11	
		For Work In Restricted Working Space, Add	61.04	
23 31 13 13-0352	LF	16" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	241.11	126.79
		For Seal Class B, Add	31.70	
		For Seal Class A, Add	67.62	
		For Work In Restricted Working Space, Add	63.39	
23 31 13 13-0353	LF	16" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	250.02	131.47
		For Seal Class B, Add	32.87	
		For Seal Class A, Add	70.12	
		For Work In Restricted Working Space, Add	65.74	
23 31 13 13-0354	LF	16" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	258.96	136.17
		For Seal Class B, Add	34.04	
		For Seal Class A, Add	72.62	
		For Work In Restricted Working Space, Add	68.09	
23 31 13 13-0355	LF	16" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	267.90	140.87
		For Seal Class B, Add	35.22	
		For Seal Class A, Add	75.13	
		For Work In Restricted Working Space, Add	70.44	
23 31 13 13-0356	LF	18" x 18", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	160.74	84.51
		For Seal Class B, Add	21.13	
		For Seal Class A, Add	45.08	
		For Work In Restricted Working Space, Add	42.26	
23 31 13 13-0357	LF	18" x 20", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	169.67	89.22
		For Seal Class B, Add	22.31	
		For Seal Class A, Add	47.58	
		For Work In Restricted Working Space, Add	44.61	
23 31 13 13-0358	LF	18" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	178.58	93.92
		For Seal Class B, Add	23.48	
		For Seal Class A, Add	50.08	
		For Work In Restricted Working Space, Add	46.95	
23 31 13 13-0359	LF	18" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	187.52	98.62
		For Seal Class B, Add	24.65	
		For Seal Class A, Add	52.59	
		For Work In Restricted Working Space, Add	49.30	
23 31 13 13-0360	LF	18" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	196.45	103.30
		For Seal Class B, Add	25.83	
		For Seal Class A, Add	55.09	
		For Work In Restricted Working Space, Add	51.65	
23 31 13 13-0361	LF	18" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	205.38	108.00
		For Seal Class B, Add	27.00	
		For Seal Class A, Add	57.60	
		For Work In Restricted Working Space, Add	54.00	
23 31 13 13-0362	LF	18" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	214.32	112.70
		For Seal Class B, Add	28.17	
		For Seal Class A, Add	60.11	
		For Work In Restricted Working Space, Add	56.35	
23 31 13 13-0363	LF	18" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	223.24	117.39
		For Seal Class B, Add	29.35	
		For Seal Class A, Add	62.61	
		For Work In Restricted Working Space, Add	58.70	
23 31 13 13-0364	LF	18" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	232.18	122.09
		For Seal Class B, Add	30.52	
		For Seal Class A, Add	65.11	
		For Work In Restricted Working Space, Add	61.04	
23 31 13 13-0365	LF	18" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	241.11	126.79
		For Seal Class B, Add	31.70	
		For Seal Class A, Add	67.62	
		For Work In Restricted Working Space, Add	63.39	
23 31 13 13-0366	LF	18" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	250.02	131.47
		For Seal Class B, Add	32.87	
		For Seal Class A, Add	70.12	
		For Work In Restricted Working Space, Add	65.74	
23 31 13 13-0367	LF	18" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	258.96	136.17
		For Seal Class B, Add	34.04	
		For Seal Class A, Add	72.62	
		For Work In Restricted Working Space, Add	68.09	
23 31 13 13-0368	LF	18" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	267.90	140.87
		For Seal Class B, Add	35.22	
		For Seal Class A, Add	75.13	
		For Work In Restricted Working Space, Add	70.44	
23 31 13 13-0369	LF	18" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	276.83	145.56
		For Seal Class B, Add	36.39	
		For Seal Class A, Add	77.64	
		For Work In Restricted Working Space, Add	72.78	
23 31 13 13-0370	LF	18" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	285.75	150.26
		For Seal Class B, Add	37.56	
		For Seal Class A, Add	80.14	
		For Work In Restricted Working Space, Add	75.13	
23 31 13 13-0371	LF	20" x 20", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	178.58	93.92
		For Seal Class B, Add	23.48	
		For Seal Class A, Add	50.08	
		For Work In Restricted Working Space, Add	46.95	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0372	LF	20" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	187.52	98.62
		For Seal Class B, Add	24.65	
		For Seal Class A, Add	52.59	
		For Work In Restricted Working Space, Add	49.30	
23 31 13 13-0373	LF	20" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	196.45	103.30
		For Seal Class B, Add	25.83	
		For Seal Class A, Add	55.09	
		For Work In Restricted Working Space, Add	51.65	
23 31 13 13-0374	LF	20" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	205.38	108.00
		For Seal Class B, Add	27.00	
		For Seal Class A, Add	57.60	
		For Work In Restricted Working Space, Add	54.00	
23 31 13 13-0375	LF	20" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	214.32	112.70
		For Seal Class B, Add	28.17	
		For Seal Class A, Add	60.11	
		For Work In Restricted Working Space, Add	56.35	
23 31 13 13-0376	LF	20" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	223.24	117.39
		For Seal Class B, Add	29.35	
		For Seal Class A, Add	62.61	
		For Work In Restricted Working Space, Add	58.70	
23 31 13 13-0377	LF	20" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	232.18	122.09
		For Seal Class B, Add	30.52	
		For Seal Class A, Add	65.11	
		For Work In Restricted Working Space, Add	61.04	
23 31 13 13-0378	LF	20" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	241.11	126.79
		For Seal Class B, Add	31.70	
		For Seal Class A, Add	67.62	
		For Work In Restricted Working Space, Add	63.39	
23 31 13 13-0379	LF	20" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	250.02	131.47
		For Seal Class B, Add	32.87	
		For Seal Class A, Add	70.12	
		For Work In Restricted Working Space, Add	65.74	
23 31 13 13-0380	LF	20" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	258.96	136.17
		For Seal Class B, Add	34.04	
		For Seal Class A, Add	72.62	
		For Work In Restricted Working Space, Add	68.09	
23 31 13 13-0381	LF	20" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	267.90	140.87
		For Seal Class B, Add	35.22	
		For Seal Class A, Add	75.13	
		For Work In Restricted Working Space, Add	70.44	
23 31 13 13-0382	LF	20" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	276.83	145.56
		For Seal Class B, Add	36.39	
		For Seal Class A, Add	77.64	
		For Work In Restricted Working Space, Add	72.78	
23 31 13 13-0383	LF	20" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	285.75	150.26
		For Seal Class B, Add	37.56	
		For Seal Class A, Add	80.14	
		For Work In Restricted Working Space, Add	75.13	
23 31 13 13-0384	LF	20" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	294.68	154.96
		For Seal Class B, Add	38.74	
		For Seal Class A, Add	82.64	
		For Work In Restricted Working Space, Add	77.48	
23 31 13 13-0385	LF	20" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	303.62	159.65
		For Seal Class B, Add	39.91	
		For Seal Class A, Add	85.15	
		For Work In Restricted Working Space, Add	79.83	
23 31 13 13-0386	LF	22" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	196.45	103.30
		For Seal Class B, Add	25.83	
		For Seal Class A, Add	55.09	
		For Work In Restricted Working Space, Add	51.65	
23 31 13 13-0387	LF	22" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	205.38	108.00
		For Seal Class B, Add	27.00	
		For Seal Class A, Add	57.60	
		For Work In Restricted Working Space, Add	54.00	
23 31 13 13-0388	LF	22" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	214.32	112.70
		For Seal Class B, Add	28.17	
		For Seal Class A, Add	60.11	
		For Work In Restricted Working Space, Add	56.35	
23 31 13 13-0389	LF	22" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	223.24	117.39
		For Seal Class B, Add	29.35	
		For Seal Class A, Add	62.61	
		For Work In Restricted Working Space, Add	58.70	
23 31 13 13-0390	LF	22" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	232.18	122.09
		For Seal Class B, Add	30.52	
		For Seal Class A, Add	65.11	
		For Work In Restricted Working Space, Add	61.04	
23 31 13 13-0391	LF	22" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	241.11	126.79
		For Seal Class B, Add	31.70	
		For Seal Class A, Add	67.62	
		For Work In Restricted Working Space, Add	63.39	
23 31 13 13-0392	LF	22" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	250.02	131.47
		For Seal Class B, Add	32.87	
		For Seal Class A, Add	70.12	
		For Work In Restricted Working Space, Add	65.74	
23 31 13 13-0393	LF	22" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	258.96	136.17
		For Seal Class B, Add	34.04	
		For Seal Class A, Add	72.62	
		For Work In Restricted Working Space, Add	68.09	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 31 13 13-0394	LF	22" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	267.90	140.87
		For Seal Class B, Add	35.22	
		For Seal Class A, Add	75.13	
		For Work In Restricted Working Space, Add	70.44	
23 31 13 13-0395	LF	22" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	276.83	145.56
		For Seal Class B, Add	36.39	
		For Seal Class A, Add	77.64	
		For Work In Restricted Working Space, Add	72.78	
23 31 13 13-0396	LF	22" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	285.75	150.26
		For Seal Class B, Add	37.56	
		For Seal Class A, Add	80.14	
		For Work In Restricted Working Space, Add	75.13	
23 31 13 13-0397	LF	22" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	294.68	154.96
		For Seal Class B, Add	38.74	
		For Seal Class A, Add	82.64	
		For Work In Restricted Working Space, Add	77.48	
23 31 13 13-0398	LF	22" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	303.62	159.65
		For Seal Class B, Add	39.91	
		For Seal Class A, Add	85.15	
		For Work In Restricted Working Space, Add	79.83	
23 31 13 13-0399	LF	22" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	312.53	164.34
		For Seal Class B, Add	41.09	
		For Seal Class A, Add	87.65	
		For Work In Restricted Working Space, Add	82.17	
23 31 13 13-0400	LF	24" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	214.32	112.70
		For Seal Class B, Add	28.17	
		For Seal Class A, Add	60.11	
		For Work In Restricted Working Space, Add	56.35	
23 31 13 13-0401	LF	24" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	223.24	117.39
		For Seal Class B, Add	29.35	
		For Seal Class A, Add	62.61	
		For Work In Restricted Working Space, Add	58.70	
23 31 13 13-0402	LF	24" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	232.18	122.09
		For Seal Class B, Add	30.52	
		For Seal Class A, Add	65.11	
		For Work In Restricted Working Space, Add	61.04	
23 31 13 13-0403	LF	24" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	241.11	126.79
		For Seal Class B, Add	31.70	
		For Seal Class A, Add	67.62	
		For Work In Restricted Working Space, Add	63.39	
23 31 13 13-0404	LF	24" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	250.02	131.47
		For Seal Class B, Add	32.87	
		For Seal Class A, Add	70.12	
		For Work In Restricted Working Space, Add	65.74	
23 31 13 13-0405	LF	24" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	258.96	136.17
		For Seal Class B, Add	34.04	
		For Seal Class A, Add	72.62	
		For Work In Restricted Working Space, Add	68.09	
23 31 13 13-0406	LF	24" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	267.90	140.87
		For Seal Class B, Add	35.22	
		For Seal Class A, Add	75.13	
		For Work In Restricted Working Space, Add	70.44	
23 31 13 13-0407	LF	24" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	276.83	145.56
		For Seal Class B, Add	36.39	
		For Seal Class A, Add	77.64	
		For Work In Restricted Working Space, Add	72.78	
23 31 13 13-0408	LF	24" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	285.75	150.26
		For Seal Class B, Add	37.56	
		For Seal Class A, Add	80.14	
		For Work In Restricted Working Space, Add	75.13	
23 31 13 13-0409	LF	24" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	294.68	154.96
		For Seal Class B, Add	38.74	
		For Seal Class A, Add	82.64	
		For Work In Restricted Working Space, Add	77.48	
23 31 13 13-0410	LF	24" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	303.62	159.65
		For Seal Class B, Add	39.91	
		For Seal Class A, Add	85.15	
		For Work In Restricted Working Space, Add	79.83	
23 31 13 13-0411	LF	24" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	312.53	164.34
		For Seal Class B, Add	41.09	
		For Seal Class A, Add	87.65	
		For Work In Restricted Working Space, Add	82.17	
23 31 13 13-0412	LF	24" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	321.46	169.04
		For Seal Class B, Add	42.26	
		For Seal Class A, Add	90.15	
		For Work In Restricted Working Space, Add	84.52	
23 31 13 13-0413	LF	26" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	232.18	122.09
		For Seal Class B, Add	30.52	
		For Seal Class A, Add	65.11	
		For Work In Restricted Working Space, Add	61.04	
23 31 13 13-0414	LF	26" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	241.11	126.79
		For Seal Class B, Add	31.70	
		For Seal Class A, Add	67.62	
		For Work In Restricted Working Space, Add	63.39	
23 31 13 13-0415	LF	26" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	250.02	131.47
		For Seal Class B, Add	32.87	
		For Seal Class A, Add	70.12	
		For Work In Restricted Working Space, Add	65.74	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0416	LF	26" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	258.96	136.17
		For Seal Class B, Add	34.04	
		For Seal Class A, Add	72.62	
		For Work In Restricted Working Space, Add	68.09	
23 31 13 13-0417	LF	26" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	267.90	140.87
		For Seal Class B, Add	35.22	
		For Seal Class A, Add	75.13	
		For Work In Restricted Working Space, Add	70.44	
23 31 13 13-0418	LF	26" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	276.83	145.56
		For Seal Class B, Add	36.39	
		For Seal Class A, Add	77.64	
		For Work In Restricted Working Space, Add	72.78	
23 31 13 13-0419	LF	26" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	285.75	150.26
		For Seal Class B, Add	37.56	
		For Seal Class A, Add	80.14	
		For Work In Restricted Working Space, Add	75.13	
23 31 13 13-0420	LF	26" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	294.68	154.96
		For Seal Class B, Add	38.74	
		For Seal Class A, Add	82.64	
		For Work In Restricted Working Space, Add	77.48	
23 31 13 13-0421	LF	26" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	303.62	159.65
		For Seal Class B, Add	39.91	
		For Seal Class A, Add	85.15	
		For Work In Restricted Working Space, Add	79.83	
23 31 13 13-0422	LF	26" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	312.53	164.34
		For Seal Class B, Add	41.09	
		For Seal Class A, Add	87.65	
		For Work In Restricted Working Space, Add	82.17	
23 31 13 13-0423	LF	26" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	321.46	169.04
		For Seal Class B, Add	42.26	
		For Seal Class A, Add	90.15	
		For Work In Restricted Working Space, Add	84.52	
23 31 13 13-0424	LF	26" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	330.41	173.74
		For Seal Class B, Add	43.44	
		For Seal Class A, Add	92.66	
		For Work In Restricted Working Space, Add	86.87	
23 31 13 13-0425	LF	28" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	250.02	131.47
		For Seal Class B, Add	32.87	
		For Seal Class A, Add	70.12	
		For Work In Restricted Working Space, Add	65.74	
23 31 13 13-0426	LF	28" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	258.96	136.17
		For Seal Class B, Add	34.04	
		For Seal Class A, Add	72.62	
		For Work In Restricted Working Space, Add	68.09	
23 31 13 13-0427	LF	28" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	267.90	140.87
		For Seal Class B, Add	35.22	
		For Seal Class A, Add	75.13	
		For Work In Restricted Working Space, Add	70.44	
23 31 13 13-0428	LF	28" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	276.83	145.56
		For Seal Class B, Add	36.39	
		For Seal Class A, Add	77.64	
		For Work In Restricted Working Space, Add	72.78	
23 31 13 13-0429	LF	28" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	285.75	150.26
		For Seal Class B, Add	37.56	
		For Seal Class A, Add	80.14	
		For Work In Restricted Working Space, Add	75.13	
23 31 13 13-0430	LF	28" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	294.68	154.96
		For Seal Class B, Add	38.74	
		For Seal Class A, Add	82.64	
		For Work In Restricted Working Space, Add	77.48	
23 31 13 13-0431	LF	28" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	303.62	159.65
		For Seal Class B, Add	39.91	
		For Seal Class A, Add	85.15	
		For Work In Restricted Working Space, Add	79.83	
23 31 13 13-0432	LF	28" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	312.53	164.34
		For Seal Class B, Add	41.09	
		For Seal Class A, Add	87.65	
		For Work In Restricted Working Space, Add	82.17	
23 31 13 13-0433	LF	28" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	321.46	169.04
		For Seal Class B, Add	42.26	
		For Seal Class A, Add	90.15	
		For Work In Restricted Working Space, Add	84.52	
23 31 13 13-0434	LF	28" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	330.41	173.74
		For Seal Class B, Add	43.44	
		For Seal Class A, Add	92.66	
		For Work In Restricted Working Space, Add	86.87	
23 31 13 13-0435	LF	28" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	339.34	178.43
		For Seal Class B, Add	44.61	
		For Seal Class A, Add	95.17	
		For Work In Restricted Working Space, Add	89.22	
23 31 13 13-0436	LF	30" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	267.90	140.87
		For Seal Class B, Add	35.22	
		For Seal Class A, Add	75.13	
		For Work In Restricted Working Space, Add	70.44	
23 31 13 13-0437	LF	30" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	276.83	145.56
		For Seal Class B, Add	36.39	
		For Seal Class A, Add	77.64	
		For Work In Restricted Working Space, Add	72.78	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 31 13 13-0438	LF	30" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	285.75	150.26
		For Seal Class B, Add	37.56	
		For Seal Class A, Add	80.14	
		For Work In Restricted Working Space, Add	75.13	
23 31 13 13-0439	LF	30" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	294.68	154.96
		For Seal Class B, Add	38.74	
		For Seal Class A, Add	82.64	
		For Work In Restricted Working Space, Add	77.48	
23 31 13 13-0440	LF	30" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	303.62	159.65
		For Seal Class B, Add	39.91	
		For Seal Class A, Add	85.15	
		For Work In Restricted Working Space, Add	79.83	
23 31 13 13-0441	LF	30" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	312.53	164.34
		For Seal Class B, Add	41.09	
		For Seal Class A, Add	87.65	
		For Work In Restricted Working Space, Add	82.17	
23 31 13 13-0442	LF	30" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	321.46	169.04
		For Seal Class B, Add	42.26	
		For Seal Class A, Add	90.15	
		For Work In Restricted Working Space, Add	84.52	
23 31 13 13-0443	LF	30" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	330.41	173.74
		For Seal Class B, Add	43.44	
		For Seal Class A, Add	92.66	
		For Work In Restricted Working Space, Add	86.87	
23 31 13 13-0444	LF	30" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	339.34	178.43
		For Seal Class B, Add	44.61	
		For Seal Class A, Add	95.17	
		For Work In Restricted Working Space, Add	89.22	
23 31 13 13-0445	LF	30" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	348.26	183.13
		For Seal Class B, Add	45.78	
		For Seal Class A, Add	97.67	
		For Work In Restricted Working Space, Add	91.56	
23 31 13 13-0446	LF	32" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	285.75	150.26
		For Seal Class B, Add	37.56	
		For Seal Class A, Add	80.14	
		For Work In Restricted Working Space, Add	75.13	
23 31 13 13-0447	LF	32" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	294.68	154.96
		For Seal Class B, Add	38.74	
		For Seal Class A, Add	82.64	
		For Work In Restricted Working Space, Add	77.48	
23 31 13 13-0448	LF	32" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	303.62	159.65
		For Seal Class B, Add	39.91	
		For Seal Class A, Add	85.15	
		For Work In Restricted Working Space, Add	79.83	
23 31 13 13-0449	LF	32" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	312.53	164.34
		For Seal Class B, Add	41.09	
		For Seal Class A, Add	87.65	
		For Work In Restricted Working Space, Add	82.17	
23 31 13 13-0450	LF	32" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	321.46	169.04
		For Seal Class B, Add	42.26	
		For Seal Class A, Add	90.15	
		For Work In Restricted Working Space, Add	84.52	
23 31 13 13-0451	LF	32" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	330.41	173.74
		For Seal Class B, Add	43.44	
		For Seal Class A, Add	92.66	
		For Work In Restricted Working Space, Add	86.87	
23 31 13 13-0452	LF	32" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	339.34	178.43
		For Seal Class B, Add	44.61	
		For Seal Class A, Add	95.17	
		For Work In Restricted Working Space, Add	89.22	
23 31 13 13-0453	LF	32" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	348.26	183.13
		For Seal Class B, Add	45.78	
		For Seal Class A, Add	97.67	
		For Work In Restricted Working Space, Add	91.56	
23 31 13 13-0454	LF	32" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	357.19	187.83
		For Seal Class B, Add	46.96	
		For Seal Class A, Add	100.17	
		For Work In Restricted Working Space, Add	93.91	
23 31 13 13-0455	LF	34" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	303.62	159.65
		For Seal Class B, Add	39.91	
		For Seal Class A, Add	85.15	
		For Work In Restricted Working Space, Add	79.83	
23 31 13 13-0456	LF	34" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	312.53	164.34
		For Seal Class B, Add	41.09	
		For Seal Class A, Add	87.65	
		For Work In Restricted Working Space, Add	82.17	
23 31 13 13-0457	LF	34" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	321.46	169.04
		For Seal Class B, Add	42.26	
		For Seal Class A, Add	90.15	
		For Work In Restricted Working Space, Add	84.52	
23 31 13 13-0458	LF	34" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	330.41	173.74
		For Seal Class B, Add	43.44	
		For Seal Class A, Add	92.66	
		For Work In Restricted Working Space, Add	86.87	
23 31 13 13-0459	LF	34" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	339.34	178.43
		For Seal Class B, Add	44.61	
		For Seal Class A, Add	95.17	
		For Work In Restricted Working Space, Add	89.22	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0460	LF	34" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	348.26	183.13
		For Seal Class B, Add	45.78	
		For Seal Class A, Add	97.67	
		For Work In Restricted Working Space, Add	91.56	
23 31 13 13-0461	LF	34" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	357.19	187.83
		For Seal Class B, Add	46.96	
		For Seal Class A, Add	100.17	
		For Work In Restricted Working Space, Add	93.91	
23 31 13 13-0462	LF	34" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	366.12	192.51
		For Seal Class B, Add	48.13	
		For Seal Class A, Add	102.68	
		For Work In Restricted Working Space, Add	96.26	
23 31 13 13-0463	LF	36" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	321.46	169.04
		For Seal Class B, Add	42.26	
		For Seal Class A, Add	90.15	
		For Work In Restricted Working Space, Add	84.52	
23 31 13 13-0464	LF	36" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	330.41	173.74
		For Seal Class B, Add	43.44	
		For Seal Class A, Add	92.66	
		For Work In Restricted Working Space, Add	86.87	
23 31 13 13-0465	LF	36" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	339.34	178.43
		For Seal Class B, Add	44.61	
		For Seal Class A, Add	95.17	
		For Work In Restricted Working Space, Add	89.22	
23 31 13 13-0466	LF	36" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	348.26	183.13
		For Seal Class B, Add	45.78	
		For Seal Class A, Add	97.67	
		For Work In Restricted Working Space, Add	91.56	
23 31 13 13-0467	LF	36" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	357.19	187.83
		For Seal Class B, Add	46.96	
		For Seal Class A, Add	100.17	
		For Work In Restricted Working Space, Add	93.91	
23 31 13 13-0468	LF	36" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	366.12	192.51
		For Seal Class B, Add	48.13	
		For Seal Class A, Add	102.68	
		For Work In Restricted Working Space, Add	96.26	
23 31 13 13-0469	LF	36" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	375.04	197.21
		For Seal Class B, Add	49.30	
		For Seal Class A, Add	105.18	
		For Work In Restricted Working Space, Add	98.60	
23 31 13 13-0470	LF	38" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	339.34	178.43
		For Seal Class B, Add	44.61	
		For Seal Class A, Add	95.17	
		For Work In Restricted Working Space, Add	89.22	
23 31 13 13-0471	LF	38" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	348.26	183.13
		For Seal Class B, Add	45.78	
		For Seal Class A, Add	97.67	
		For Work In Restricted Working Space, Add	91.56	
23 31 13 13-0472	LF	38" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	357.19	187.83
		For Seal Class B, Add	46.96	
		For Seal Class A, Add	100.17	
		For Work In Restricted Working Space, Add	93.91	
23 31 13 13-0473	LF	38" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	366.12	192.51
		For Seal Class B, Add	48.13	
		For Seal Class A, Add	102.68	
		For Work In Restricted Working Space, Add	96.26	
23 31 13 13-0474	LF	38" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	375.04	197.21
		For Seal Class B, Add	49.30	
		For Seal Class A, Add	105.18	
		For Work In Restricted Working Space, Add	98.60	
23 31 13 13-0475	LF	38" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	383.98	201.92
		For Seal Class B, Add	50.48	
		For Seal Class A, Add	107.69	
		For Work In Restricted Working Space, Add	100.96	
23 31 13 13-0476	LF	38" x 50", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	392.91	206.60
		For Seal Class B, Add	51.65	
		For Seal Class A, Add	110.19	
		For Work In Restricted Working Space, Add	103.31	
23 31 13 13-0477	LF	40" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	357.19	187.83
		For Seal Class B, Add	46.96	
		For Seal Class A, Add	100.17	
		For Work In Restricted Working Space, Add	93.91	
23 31 13 13-0478	LF	40" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	366.12	192.51
		For Seal Class B, Add	48.13	
		For Seal Class A, Add	102.68	
		For Work In Restricted Working Space, Add	96.26	
23 31 13 13-0479	LF	40" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	375.04	197.21
		For Seal Class B, Add	49.30	
		For Seal Class A, Add	105.18	
		For Work In Restricted Working Space, Add	98.60	
23 31 13 13-0480	LF	40" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	383.98	201.92
		For Seal Class B, Add	50.48	
		For Seal Class A, Add	107.69	
		For Work In Restricted Working Space, Add	100.96	
23 31 13 13-0481	LF	40" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	392.91	206.60
		For Seal Class B, Add	51.65	
		For Seal Class A, Add	110.19	
		For Work In Restricted Working Space, Add	103.31	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 31 13 13-0482	LF	40" x 50", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	401.85	211.31
		For Seal Class B, Add	52.83	
		For Seal Class A, Add	112.70	
		For Work In Restricted Working Space, Add	105.65	
23 31 13 13-0483	LF	40" x 52", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	410.76	216.00
		For Seal Class B, Add	54.00	
		For Seal Class A, Add	115.20	
		For Work In Restricted Working Space, Add	108.00	
23 31 13 13-0484	LF	40" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	419.70	220.68
		For Seal Class B, Add	55.17	
		For Seal Class A, Add	117.70	
		For Work In Restricted Working Space, Add	110.35	
23 31 13 13-0485	LF	42" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	375.04	197.21
		For Seal Class B, Add	49.30	
		For Seal Class A, Add	105.18	
		For Work In Restricted Working Space, Add	98.60	
23 31 13 13-0486	LF	42" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	383.98	201.92
		For Seal Class B, Add	50.48	
		For Seal Class A, Add	107.69	
		For Work In Restricted Working Space, Add	100.96	
23 31 13 13-0487	LF	42" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	392.91	206.60
		For Seal Class B, Add	51.65	
		For Seal Class A, Add	110.19	
		For Work In Restricted Working Space, Add	103.31	
23 31 13 13-0488	LF	42" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	401.85	211.31
		For Seal Class B, Add	52.83	
		For Seal Class A, Add	112.70	
		For Work In Restricted Working Space, Add	105.65	
23 31 13 13-0489	LF	42" x 50", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	410.76	216.00
		For Seal Class B, Add	54.00	
		For Seal Class A, Add	115.20	
		For Work In Restricted Working Space, Add	108.00	
23 31 13 13-0490	LF	42" x 52", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	419.70	220.68
		For Seal Class B, Add	55.17	
		For Seal Class A, Add	117.70	
		For Work In Restricted Working Space, Add	110.35	
23 31 13 13-0491	LF	42" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	428.63	225.39
		For Seal Class B, Add	56.35	
		For Seal Class A, Add	120.21	
		For Work In Restricted Working Space, Add	112.70	
23 31 13 13-0492	LF	44" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	392.91	206.60
		For Seal Class B, Add	51.65	
		For Seal Class A, Add	110.19	
		For Work In Restricted Working Space, Add	103.31	
23 31 13 13-0493	LF	44" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	401.85	211.31
		For Seal Class B, Add	52.83	
		For Seal Class A, Add	112.70	
		For Work In Restricted Working Space, Add	105.65	
23 31 13 13-0494	LF	44" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	410.76	216.00
		For Seal Class B, Add	54.00	
		For Seal Class A, Add	115.20	
		For Work In Restricted Working Space, Add	108.00	
23 31 13 13-0495	LF	44" x 50", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	419.70	220.68
		For Seal Class B, Add	55.17	
		For Seal Class A, Add	117.70	
		For Work In Restricted Working Space, Add	110.35	
23 31 13 13-0496	LF	44" x 52", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	428.63	225.39
		For Seal Class B, Add	56.35	
		For Seal Class A, Add	120.21	
		For Work In Restricted Working Space, Add	112.70	
23 31 13 13-0497	LF	44" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	437.54	230.09
		For Seal Class B, Add	57.52	
		For Seal Class A, Add	122.71	
		For Work In Restricted Working Space, Add	115.04	
23 31 13 13-0498	LF	46" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	410.76	216.00
		For Seal Class B, Add	54.00	
		For Seal Class A, Add	115.20	
		For Work In Restricted Working Space, Add	108.00	
23 31 13 13-0499	LF	46" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	419.70	220.68
		For Seal Class B, Add	55.17	
		For Seal Class A, Add	117.70	
		For Work In Restricted Working Space, Add	110.35	
23 31 13 13-0500	LF	46" x 50", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	428.63	225.39
		For Seal Class B, Add	56.35	
		For Seal Class A, Add	120.21	
		For Work In Restricted Working Space, Add	112.70	
23 31 13 13-0501	LF	46" x 52", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	437.54	230.09
		For Seal Class B, Add	57.52	
		For Seal Class A, Add	122.71	
		For Work In Restricted Working Space, Add	115.04	
23 31 13 13-0502	LF	46" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	446.49	234.79
		For Seal Class B, Add	58.70	
		For Seal Class A, Add	125.22	
		For Work In Restricted Working Space, Add	117.39	
23 31 13 13-0503	LF	48" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	428.63	225.39
		For Seal Class B, Add	56.35	
		For Seal Class A, Add	120.21	
		For Work In Restricted Working Space, Add	112.70	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0504	LF	48" x 50", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	437.54	230.09
		For Seal Class B, Add	57.52	
		For Seal Class A, Add	122.71	
		For Work In Restricted Working Space, Add	115.04	
23 31 13 13-0505	LF	48" x 52", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	446.49	234.79
		For Seal Class B, Add	58.70	
		For Seal Class A, Add	125.22	
		For Work In Restricted Working Space, Add	117.39	
23 31 13 13-0506	LF	48" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	455.42	239.48
		For Seal Class B, Add	59.87	
		For Seal Class A, Add	127.72	
		For Work In Restricted Working Space, Add	119.74	
23 31 13 13-0507	LF	50" x 50", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	446.49	234.79
		For Seal Class B, Add	58.70	
		For Seal Class A, Add	125.22	
		For Work In Restricted Working Space, Add	117.39	
23 31 13 13-0508	LF	50" x 52", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	455.42	239.48
		For Seal Class B, Add	59.87	
		For Seal Class A, Add	127.72	
		For Work In Restricted Working Space, Add	119.74	
23 31 13 13-0509	LF	50" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	464.35	244.17
		For Seal Class B, Add	61.04	
		For Seal Class A, Add	130.23	
		For Work In Restricted Working Space, Add	122.09	
23 31 13 13-0510	LF	52" x 52", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	464.35	244.17
		For Seal Class B, Add	61.04	
		For Seal Class A, Add	130.23	
		For Work In Restricted Working Space, Add	122.09	
23 31 13 13-0511	LF	52" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	473.27	248.87
		For Seal Class B, Add	62.22	
		For Seal Class A, Add	132.73	
		For Work In Restricted Working Space, Add	124.43	
23 31 13 13-0512	LF	54" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	482.20	253.56
		For Seal Class B, Add	63.39	
		For Seal Class A, Add	135.23	
		For Work In Restricted Working Space, Add	126.78	
23 31 13 13-0513 20 Gauge Galvanized Steel Metal Ductwork (23 31 13 13-0014)				
23 31 13 13-0514	LF	4" x 4", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	42.06	22.12
		For Seal Class B, Add	5.53	
		For Seal Class A, Add	11.80	
		For Work In Restricted Working Space, Add	11.06	
23 31 13 13-0515	LF	4" x 6", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	52.59	27.65
		For Seal Class B, Add	6.91	
		For Seal Class A, Add	14.75	
		For Work In Restricted Working Space, Add	13.83	
23 31 13 13-0516	LF	4" x 8", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	63.11	33.18
		For Seal Class B, Add	8.30	
		For Seal Class A, Add	17.70	
		For Work In Restricted Working Space, Add	16.59	
23 31 13 13-0517	LF	4" x 10", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	73.61	38.70
		For Seal Class B, Add	9.68	
		For Seal Class A, Add	20.65	
		For Work In Restricted Working Space, Add	19.36	
23 31 13 13-0518	LF	4" x 12", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	84.14	44.25
		For Seal Class B, Add	11.06	
		For Seal Class A, Add	23.60	
		For Work In Restricted Working Space, Add	22.12	
23 31 13 13-0519	LF	4" x 14", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	94.66	49.77
		For Seal Class B, Add	12.44	
		For Seal Class A, Add	26.54	
		For Work In Restricted Working Space, Add	24.89	
23 31 13 13-0520	LF	4" x 16", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	105.19	55.30
		For Seal Class B, Add	13.83	
		For Seal Class A, Add	29.50	
		For Work In Restricted Working Space, Add	27.66	
23 31 13 13-0521	LF	6" x 6", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	63.11	33.18
		For Seal Class B, Add	8.30	
		For Seal Class A, Add	17.70	
		For Work In Restricted Working Space, Add	16.59	
23 31 13 13-0522	LF	6" x 8", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	73.61	38.70
		For Seal Class B, Add	9.68	
		For Seal Class A, Add	20.65	
		For Work In Restricted Working Space, Add	19.36	
23 31 13 13-0523	LF	6" x 10", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	84.14	44.25
		For Seal Class B, Add	11.06	
		For Seal Class A, Add	23.60	
		For Work In Restricted Working Space, Add	22.12	
23 31 13 13-0524	LF	6" x 12", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	94.66	49.77
		For Seal Class B, Add	12.44	
		For Seal Class A, Add	26.54	
		For Work In Restricted Working Space, Add	24.89	
23 31 13 13-0525	LF	6" x 14", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	105.19	55.30
		For Seal Class B, Add	13.83	
		For Seal Class A, Add	29.50	
		For Work In Restricted Working Space, Add	27.66	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

23 31 13 13-0526	LF	6" x 16", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	115.71	60.83
		For Seal Class B, Add	15.21	
		For Seal Class A, Add	32.45	
		For Work In Restricted Working Space, Add	30.42	
23 31 13 13-0527	LF	8" x 8", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	84.14	44.25
		For Seal Class B, Add	11.06	
		For Seal Class A, Add	23.60	
		For Work In Restricted Working Space, Add	22.12	
23 31 13 13-0528	LF	8" x 10", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	94.66	49.77
		For Seal Class B, Add	12.44	
		For Seal Class A, Add	26.54	
		For Work In Restricted Working Space, Add	24.89	
23 31 13 13-0529	LF	8" x 12", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	105.19	55.30
		For Seal Class B, Add	13.83	
		For Seal Class A, Add	29.50	
		For Work In Restricted Working Space, Add	27.66	
23 31 13 13-0530	LF	8" x 14", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	115.71	60.83
		For Seal Class B, Add	15.21	
		For Seal Class A, Add	32.45	
		For Work In Restricted Working Space, Add	30.42	
23 31 13 13-0531	LF	8" x 16", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	126.21	66.37
		For Seal Class B, Add	16.59	
		For Seal Class A, Add	35.40	
		For Work In Restricted Working Space, Add	33.19	
23 31 13 13-0532	LF	8" x 18", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	136.73	71.89
		For Seal Class B, Add	17.97	
		For Seal Class A, Add	38.35	
		For Work In Restricted Working Space, Add	35.95	
23 31 13 13-0533	LF	8" x 20", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	147.25	77.43
		For Seal Class B, Add	19.36	
		For Seal Class A, Add	41.29	
		For Work In Restricted Working Space, Add	38.71	
23 31 13 13-0534	LF	8" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	157.74	82.95
		For Seal Class B, Add	20.74	
		For Seal Class A, Add	44.24	
		For Work In Restricted Working Space, Add	41.48	
23 31 13 13-0535	LF	8" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	168.27	88.49
		For Seal Class B, Add	22.12	
		For Seal Class A, Add	47.19	
		For Work In Restricted Working Space, Add	44.24	
23 31 13 13-0536	LF	10" x 10", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	105.19	55.30
		For Seal Class B, Add	13.83	
		For Seal Class A, Add	29.50	
		For Work In Restricted Working Space, Add	27.66	
23 31 13 13-0537	LF	10" x 12", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	115.71	60.83
		For Seal Class B, Add	15.21	
		For Seal Class A, Add	32.45	
		For Work In Restricted Working Space, Add	30.42	
23 31 13 13-0538	LF	10" x 14", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	126.21	66.37
		For Seal Class B, Add	16.59	
		For Seal Class A, Add	35.40	
		For Work In Restricted Working Space, Add	33.19	
23 31 13 13-0539	LF	10" x 16", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	136.73	71.89
		For Seal Class B, Add	17.97	
		For Seal Class A, Add	38.35	
		For Work In Restricted Working Space, Add	35.95	
23 31 13 13-0540	LF	10" x 18", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	147.25	77.43
		For Seal Class B, Add	19.36	
		For Seal Class A, Add	41.29	
		For Work In Restricted Working Space, Add	38.71	
23 31 13 13-0541	LF	10" x 20", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	157.74	82.95
		For Seal Class B, Add	20.74	
		For Seal Class A, Add	44.24	
		For Work In Restricted Working Space, Add	41.48	
23 31 13 13-0542	LF	10" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	168.27	88.49
		For Seal Class B, Add	22.12	
		For Seal Class A, Add	47.19	
		For Work In Restricted Working Space, Add	44.24	
23 31 13 13-0543	LF	10" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	178.82	94.02
		For Seal Class B, Add	23.51	
		For Seal Class A, Add	50.15	
		For Work In Restricted Working Space, Add	47.01	
23 31 13 13-0544	LF	10" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	189.32	99.55
		For Seal Class B, Add	24.89	
		For Seal Class A, Add	53.09	
		For Work In Restricted Working Space, Add	49.78	
23 31 13 13-0545	LF	10" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	199.85	105.07
		For Seal Class B, Add	26.27	
		For Seal Class A, Add	56.04	
		For Work In Restricted Working Space, Add	52.54	
23 31 13 13-0546	LF	10" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	210.34	110.62
		For Seal Class B, Add	27.65	
		For Seal Class A, Add	58.99	
		For Work In Restricted Working Space, Add	55.31	
23 31 13 13-0547	LF	10" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	220.87	116.14
		For Seal Class B, Add	29.04	
		For Seal Class A, Add	61.94	
		For Work In Restricted Working Space, Add	58.07	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0548	LF	12" x 12", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	126.21	66.37	
		For Seal Class B, Add	16.59		
		For Seal Class A, Add	35.40		
		For Work In Restricted Working Space, Add	33.19		
23 31 13 13-0549	LF	12" x 14", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	136.73	71.89	
		For Seal Class B, Add	17.97		
		For Seal Class A, Add	38.35		
		For Work In Restricted Working Space, Add	35.95		
23 31 13 13-0550	LF	12" x 16", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	147.25	77.43	
		For Seal Class B, Add	19.36		
		For Seal Class A, Add	41.29		
		For Work In Restricted Working Space, Add	38.71		
23 31 13 13-0551	LF	12" x 18", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	157.74	82.95	
		For Seal Class B, Add	20.74		
		For Seal Class A, Add	44.24		
		For Work In Restricted Working Space, Add	41.48		
23 31 13 13-0552	LF	12" x 20", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	168.27	88.49	
		For Seal Class B, Add	22.12		
		For Seal Class A, Add	47.19		
		For Work In Restricted Working Space, Add	44.24		
23 31 13 13-0553	LF	12" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	178.82	94.02	
		For Seal Class B, Add	23.51		
		For Seal Class A, Add	50.15		
		For Work In Restricted Working Space, Add	47.01		
23 31 13 13-0554	LF	12" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	189.32	99.55	
		For Seal Class B, Add	24.89		
		For Seal Class A, Add	53.09		
		For Work In Restricted Working Space, Add	49.78		
23 31 13 13-0555	LF	12" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	199.85	105.07	
		For Seal Class B, Add	26.27		
		For Seal Class A, Add	56.04		
		For Work In Restricted Working Space, Add	52.54		
23 31 13 13-0556	LF	12" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	210.34	110.62	
		For Seal Class B, Add	27.65		
		For Seal Class A, Add	58.99		
		For Work In Restricted Working Space, Add	55.31		
23 31 13 13-0557	LF	12" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	220.87	116.14	
		For Seal Class B, Add	29.04		
		For Seal Class A, Add	61.94		
		For Work In Restricted Working Space, Add	58.07		
23 31 13 13-0558	LF	12" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	231.39	121.67	
		For Seal Class B, Add	30.42		
		For Seal Class A, Add	64.89		
		For Work In Restricted Working Space, Add	60.83		
23 31 13 13-0559	LF	12" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	241.89	127.20	
		For Seal Class B, Add	31.80		
		For Seal Class A, Add	67.84		
		For Work In Restricted Working Space, Add	63.60		
23 31 13 13-0560	LF	12" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	252.43	132.73	
		For Seal Class B, Add	33.18		
		For Seal Class A, Add	70.79		
		For Work In Restricted Working Space, Add	66.37		
23 31 13 13-0561	LF	14" x 14", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	147.25	77.43	
		For Seal Class B, Add	19.36		
		For Seal Class A, Add	41.29		
		For Work In Restricted Working Space, Add	38.71		
23 31 13 13-0562	LF	14" x 16", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	157.74	82.95	
		For Seal Class B, Add	20.74		
		For Seal Class A, Add	44.24		
		For Work In Restricted Working Space, Add	41.48		
23 31 13 13-0563	LF	14" x 18", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	168.27	88.49	
		For Seal Class B, Add	22.12		
		For Seal Class A, Add	47.19		
		For Work In Restricted Working Space, Add	44.24		
23 31 13 13-0564	LF	14" x 20", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	178.82	94.02	
		For Seal Class B, Add	23.51		
		For Seal Class A, Add	50.15		
		For Work In Restricted Working Space, Add	47.01		
23 31 13 13-0565	LF	14" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	189.32	99.55	
		For Seal Class B, Add	24.89		
		For Seal Class A, Add	53.09		
		For Work In Restricted Working Space, Add	49.78		
23 31 13 13-0566	LF	14" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	199.85	105.07	
		For Seal Class B, Add	26.27		
		For Seal Class A, Add	56.04		
		For Work In Restricted Working Space, Add	52.54		
23 31 13 13-0567	LF	14" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	210.34	110.62	
		For Seal Class B, Add	27.65		
		For Seal Class A, Add	58.99		
		For Work In Restricted Working Space, Add	55.31		
23 31 13 13-0568	LF	14" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	220.87	116.14	
		For Seal Class B, Add	29.04		
		For Seal Class A, Add	61.94		
		For Work In Restricted Working Space, Add	58.07		
23 31 13 13-0569	LF	14" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	231.39	121.67	
		For Seal Class B, Add	30.42		
		For Seal Class A, Add	64.89		
		For Work In Restricted Working Space, Add	60.83		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 31 13 13-0570	LF	14" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	241.89	127.20
		For Seal Class B, Add	31.80	
		For Seal Class A, Add	67.84	
		For Work In Restricted Working Space, Add	63.60	
23 31 13 13-0571	LF	14" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	252.43	132.73
		For Seal Class B, Add	33.18	
		For Seal Class A, Add	70.79	
		For Work In Restricted Working Space, Add	66.37	
23 31 13 13-0572	LF	14" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	262.93	138.25
		For Seal Class B, Add	34.57	
		For Seal Class A, Add	73.74	
		For Work In Restricted Working Space, Add	69.13	
23 31 13 13-0573	LF	16" x 16", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	168.27	88.49
		For Seal Class B, Add	22.12	
		For Seal Class A, Add	47.19	
		For Work In Restricted Working Space, Add	44.24	
23 31 13 13-0574	LF	16" x 18", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	178.82	94.02
		For Seal Class B, Add	23.51	
		For Seal Class A, Add	50.15	
		For Work In Restricted Working Space, Add	47.01	
23 31 13 13-0575	LF	16" x 20", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	189.32	99.55
		For Seal Class B, Add	24.89	
		For Seal Class A, Add	53.09	
		For Work In Restricted Working Space, Add	49.78	
23 31 13 13-0576	LF	16" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	199.85	105.07
		For Seal Class B, Add	26.27	
		For Seal Class A, Add	56.04	
		For Work In Restricted Working Space, Add	52.54	
23 31 13 13-0577	LF	16" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	210.34	110.62
		For Seal Class B, Add	27.65	
		For Seal Class A, Add	58.99	
		For Work In Restricted Working Space, Add	55.31	
23 31 13 13-0578	LF	16" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	220.87	116.14
		For Seal Class B, Add	29.04	
		For Seal Class A, Add	61.94	
		For Work In Restricted Working Space, Add	58.07	
23 31 13 13-0579	LF	16" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	231.39	121.67
		For Seal Class B, Add	30.42	
		For Seal Class A, Add	64.89	
		For Work In Restricted Working Space, Add	60.83	
23 31 13 13-0580	LF	16" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	241.89	127.20
		For Seal Class B, Add	31.80	
		For Seal Class A, Add	67.84	
		For Work In Restricted Working Space, Add	63.60	
23 31 13 13-0581	LF	16" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	252.43	132.73
		For Seal Class B, Add	33.18	
		For Seal Class A, Add	70.79	
		For Work In Restricted Working Space, Add	66.37	
23 31 13 13-0582	LF	16" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	262.93	138.25
		For Seal Class B, Add	34.57	
		For Seal Class A, Add	73.74	
		For Work In Restricted Working Space, Add	69.13	
23 31 13 13-0583	LF	16" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	273.46	143.80
		For Seal Class B, Add	35.95	
		For Seal Class A, Add	76.69	
		For Work In Restricted Working Space, Add	71.90	
23 31 13 13-0584	LF	16" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	283.98	149.32
		For Seal Class B, Add	37.33	
		For Seal Class A, Add	79.64	
		For Work In Restricted Working Space, Add	74.66	
23 31 13 13-0585	LF	16" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	294.48	154.85
		For Seal Class B, Add	38.71	
		For Seal Class A, Add	82.59	
		For Work In Restricted Working Space, Add	77.43	
23 31 13 13-0586	LF	16" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	305.00	160.38
		For Seal Class B, Add	40.10	
		For Seal Class A, Add	85.54	
		For Work In Restricted Working Space, Add	80.19	
23 31 13 13-0587	LF	16" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	315.54	165.92
		For Seal Class B, Add	41.48	
		For Seal Class A, Add	88.49	
		For Work In Restricted Working Space, Add	82.96	
23 31 13 13-0588	LF	18" x 18", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	189.32	99.55
		For Seal Class B, Add	24.89	
		For Seal Class A, Add	53.09	
		For Work In Restricted Working Space, Add	49.78	
23 31 13 13-0589	LF	18" x 20", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	199.85	105.07
		For Seal Class B, Add	26.27	
		For Seal Class A, Add	56.04	
		For Work In Restricted Working Space, Add	52.54	
23 31 13 13-0590	LF	18" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	210.34	110.62
		For Seal Class B, Add	27.65	
		For Seal Class A, Add	58.99	
		For Work In Restricted Working Space, Add	55.31	
23 31 13 13-0591	LF	18" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	220.87	116.14
		For Seal Class B, Add	29.04	
		For Seal Class A, Add	61.94	
		For Work In Restricted Working Space, Add	58.07	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0592	LF	18" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	231.39	121.67
		For Seal Class B, Add	30.42	
		For Seal Class A, Add	64.89	
		For Work In Restricted Working Space, Add	60.83	
23 31 13 13-0593	LF	18" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	241.89	127.20
		For Seal Class B, Add	31.80	
		For Seal Class A, Add	67.84	
		For Work In Restricted Working Space, Add	63.60	
23 31 13 13-0594	LF	18" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	252.43	132.73
		For Seal Class B, Add	33.18	
		For Seal Class A, Add	70.79	
		For Work In Restricted Working Space, Add	66.37	
23 31 13 13-0595	LF	18" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	262.93	138.25
		For Seal Class B, Add	34.57	
		For Seal Class A, Add	73.74	
		For Work In Restricted Working Space, Add	69.13	
23 31 13 13-0596	LF	18" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	273.46	143.80
		For Seal Class B, Add	35.95	
		For Seal Class A, Add	76.69	
		For Work In Restricted Working Space, Add	71.90	
23 31 13 13-0597	LF	18" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	283.98	149.32
		For Seal Class B, Add	37.33	
		For Seal Class A, Add	79.64	
		For Work In Restricted Working Space, Add	74.66	
23 31 13 13-0598	LF	18" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	294.48	154.85
		For Seal Class B, Add	38.71	
		For Seal Class A, Add	82.59	
		For Work In Restricted Working Space, Add	77.43	
23 31 13 13-0599	LF	18" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	305.00	160.38
		For Seal Class B, Add	40.10	
		For Seal Class A, Add	85.54	
		For Work In Restricted Working Space, Add	80.19	
23 31 13 13-0600	LF	18" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	315.54	165.92
		For Seal Class B, Add	41.48	
		For Seal Class A, Add	88.49	
		For Work In Restricted Working Space, Add	82.96	
23 31 13 13-0601	LF	18" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	326.04	171.44
		For Seal Class B, Add	42.86	
		For Seal Class A, Add	91.44	
		For Work In Restricted Working Space, Add	85.72	
23 31 13 13-0602	LF	18" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	336.57	176.98
		For Seal Class B, Add	44.24	
		For Seal Class A, Add	94.39	
		For Work In Restricted Working Space, Add	88.49	
23 31 13 13-0603	LF	20" x 20", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	210.34	110.62
		For Seal Class B, Add	27.65	
		For Seal Class A, Add	58.99	
		For Work In Restricted Working Space, Add	55.31	
23 31 13 13-0604	LF	20" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	220.87	116.14
		For Seal Class B, Add	29.04	
		For Seal Class A, Add	61.94	
		For Work In Restricted Working Space, Add	58.07	
23 31 13 13-0605	LF	20" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	231.39	121.67
		For Seal Class B, Add	30.42	
		For Seal Class A, Add	64.89	
		For Work In Restricted Working Space, Add	60.83	
23 31 13 13-0606	LF	20" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	241.89	127.20
		For Seal Class B, Add	31.80	
		For Seal Class A, Add	67.84	
		For Work In Restricted Working Space, Add	63.60	
23 31 13 13-0607	LF	20" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	252.43	132.73
		For Seal Class B, Add	33.18	
		For Seal Class A, Add	70.79	
		For Work In Restricted Working Space, Add	66.37	
23 31 13 13-0608	LF	20" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	262.93	138.25
		For Seal Class B, Add	34.57	
		For Seal Class A, Add	73.74	
		For Work In Restricted Working Space, Add	69.13	
23 31 13 13-0609	LF	20" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	273.46	143.80
		For Seal Class B, Add	35.95	
		For Seal Class A, Add	76.69	
		For Work In Restricted Working Space, Add	71.90	
23 31 13 13-0610	LF	20" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	283.98	149.32
		For Seal Class B, Add	37.33	
		For Seal Class A, Add	79.64	
		For Work In Restricted Working Space, Add	74.66	
23 31 13 13-0611	LF	20" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	294.48	154.85
		For Seal Class B, Add	38.71	
		For Seal Class A, Add	82.59	
		For Work In Restricted Working Space, Add	77.43	
23 31 13 13-0612	LF	20" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	305.00	160.38
		For Seal Class B, Add	40.10	
		For Seal Class A, Add	85.54	
		For Work In Restricted Working Space, Add	80.19	
23 31 13 13-0613	LF	20" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	315.54	165.92
		For Seal Class B, Add	41.48	
		For Seal Class A, Add	88.49	
		For Work In Restricted Working Space, Add	82.96	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 31 13 13-0614	LF	20" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	326.04	171.44
		For Seal Class B, Add	42.86	
		For Seal Class A, Add	91.44	
		For Work In Restricted Working Space, Add	85.72	
23 31 13 13-0615	LF	20" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	336.57	176.98
		For Seal Class B, Add	44.24	
		For Seal Class A, Add	94.39	
		For Work In Restricted Working Space, Add	88.49	
23 31 13 13-0616	LF	20" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	347.07	182.50
		For Seal Class B, Add	45.63	
		For Seal Class A, Add	97.34	
		For Work In Restricted Working Space, Add	91.25	
23 31 13 13-0617	LF	20" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	357.59	188.05
		For Seal Class B, Add	47.01	
		For Seal Class A, Add	100.28	
		For Work In Restricted Working Space, Add	94.02	
23 31 13 13-0618	LF	22" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	231.39	121.67
		For Seal Class B, Add	30.42	
		For Seal Class A, Add	64.89	
		For Work In Restricted Working Space, Add	60.83	
23 31 13 13-0619	LF	22" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	241.89	127.20
		For Seal Class B, Add	31.80	
		For Seal Class A, Add	67.84	
		For Work In Restricted Working Space, Add	63.60	
23 31 13 13-0620	LF	22" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	252.43	132.73
		For Seal Class B, Add	33.18	
		For Seal Class A, Add	70.79	
		For Work In Restricted Working Space, Add	66.37	
23 31 13 13-0621	LF	22" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	262.93	138.25
		For Seal Class B, Add	34.57	
		For Seal Class A, Add	73.74	
		For Work In Restricted Working Space, Add	69.13	
23 31 13 13-0622	LF	22" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	273.46	143.80
		For Seal Class B, Add	35.95	
		For Seal Class A, Add	76.69	
		For Work In Restricted Working Space, Add	71.90	
23 31 13 13-0623	LF	22" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	283.98	149.32
		For Seal Class B, Add	37.33	
		For Seal Class A, Add	79.64	
		For Work In Restricted Working Space, Add	74.66	
23 31 13 13-0624	LF	22" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	294.48	154.85
		For Seal Class B, Add	38.71	
		For Seal Class A, Add	82.59	
		For Work In Restricted Working Space, Add	77.43	
23 31 13 13-0625	LF	22" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	305.00	160.38
		For Seal Class B, Add	40.10	
		For Seal Class A, Add	85.54	
		For Work In Restricted Working Space, Add	80.19	
23 31 13 13-0626	LF	22" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	315.54	165.92
		For Seal Class B, Add	41.48	
		For Seal Class A, Add	88.49	
		For Work In Restricted Working Space, Add	82.96	
23 31 13 13-0627	LF	22" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	326.04	171.44
		For Seal Class B, Add	42.86	
		For Seal Class A, Add	91.44	
		For Work In Restricted Working Space, Add	85.72	
23 31 13 13-0628	LF	22" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	336.57	176.98
		For Seal Class B, Add	44.24	
		For Seal Class A, Add	94.39	
		For Work In Restricted Working Space, Add	88.49	
23 31 13 13-0629	LF	22" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	347.07	182.50
		For Seal Class B, Add	45.63	
		For Seal Class A, Add	97.34	
		For Work In Restricted Working Space, Add	91.25	
23 31 13 13-0630	LF	22" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	357.59	188.05
		For Seal Class B, Add	47.01	
		For Seal Class A, Add	100.28	
		For Work In Restricted Working Space, Add	94.02	
23 31 13 13-0631	LF	22" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	368.12	193.57
		For Seal Class B, Add	48.39	
		For Seal Class A, Add	103.24	
		For Work In Restricted Working Space, Add	96.78	
23 31 13 13-0632	LF	24" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	252.43	132.73
		For Seal Class B, Add	33.18	
		For Seal Class A, Add	70.79	
		For Work In Restricted Working Space, Add	66.37	
23 31 13 13-0633	LF	24" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	262.93	138.25
		For Seal Class B, Add	34.57	
		For Seal Class A, Add	73.74	
		For Work In Restricted Working Space, Add	69.13	
23 31 13 13-0634	LF	24" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	273.46	143.80
		For Seal Class B, Add	35.95	
		For Seal Class A, Add	76.69	
		For Work In Restricted Working Space, Add	71.90	
23 31 13 13-0635	LF	24" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	283.98	149.32
		For Seal Class B, Add	37.33	
		For Seal Class A, Add	79.64	
		For Work In Restricted Working Space, Add	74.66	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0636	LF	24" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	294.48	154.85
		For Seal Class B, Add	38.71	
		For Seal Class A, Add	82.59	
		For Work In Restricted Working Space, Add	77.43	
23 31 13 13-0637	LF	24" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	305.00	160.38
		For Seal Class B, Add	40.10	
		For Seal Class A, Add	85.54	
		For Work In Restricted Working Space, Add	80.19	
23 31 13 13-0638	LF	24" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	315.54	165.92
		For Seal Class B, Add	41.48	
		For Seal Class A, Add	88.49	
		For Work In Restricted Working Space, Add	82.96	
23 31 13 13-0639	LF	24" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	326.04	171.44
		For Seal Class B, Add	42.86	
		For Seal Class A, Add	91.44	
		For Work In Restricted Working Space, Add	85.72	
23 31 13 13-0640	LF	24" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	336.57	176.98
		For Seal Class B, Add	44.24	
		For Seal Class A, Add	94.39	
		For Work In Restricted Working Space, Add	88.49	
23 31 13 13-0641	LF	24" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	347.07	182.50
		For Seal Class B, Add	45.63	
		For Seal Class A, Add	97.34	
		For Work In Restricted Working Space, Add	91.25	
23 31 13 13-0642	LF	24" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	357.59	188.05
		For Seal Class B, Add	47.01	
		For Seal Class A, Add	100.28	
		For Work In Restricted Working Space, Add	94.02	
23 31 13 13-0643	LF	24" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	368.12	193.57
		For Seal Class B, Add	48.39	
		For Seal Class A, Add	103.24	
		For Work In Restricted Working Space, Add	96.78	
23 31 13 13-0644	LF	24" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	378.61	199.10
		For Seal Class B, Add	49.77	
		For Seal Class A, Add	106.18	
		For Work In Restricted Working Space, Add	99.55	
23 31 13 13-0645	LF	26" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	273.46	143.80
		For Seal Class B, Add	35.95	
		For Seal Class A, Add	76.69	
		For Work In Restricted Working Space, Add	71.90	
23 31 13 13-0646	LF	26" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	283.98	149.32
		For Seal Class B, Add	37.33	
		For Seal Class A, Add	79.64	
		For Work In Restricted Working Space, Add	74.66	
23 31 13 13-0647	LF	26" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	294.48	154.85
		For Seal Class B, Add	38.71	
		For Seal Class A, Add	82.59	
		For Work In Restricted Working Space, Add	77.43	
23 31 13 13-0648	LF	26" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	305.00	160.38
		For Seal Class B, Add	40.10	
		For Seal Class A, Add	85.54	
		For Work In Restricted Working Space, Add	80.19	
23 31 13 13-0649	LF	26" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	315.54	165.92
		For Seal Class B, Add	41.48	
		For Seal Class A, Add	88.49	
		For Work In Restricted Working Space, Add	82.96	
23 31 13 13-0650	LF	26" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	326.04	171.44
		For Seal Class B, Add	42.86	
		For Seal Class A, Add	91.44	
		For Work In Restricted Working Space, Add	85.72	
23 31 13 13-0651	LF	26" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	336.57	176.98
		For Seal Class B, Add	44.24	
		For Seal Class A, Add	94.39	
		For Work In Restricted Working Space, Add	88.49	
23 31 13 13-0652	LF	26" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	347.07	182.50
		For Seal Class B, Add	45.63	
		For Seal Class A, Add	97.34	
		For Work In Restricted Working Space, Add	91.25	
23 31 13 13-0653	LF	26" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	357.59	188.05
		For Seal Class B, Add	47.01	
		For Seal Class A, Add	100.28	
		For Work In Restricted Working Space, Add	94.02	
23 31 13 13-0654	LF	26" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	368.12	193.57
		For Seal Class B, Add	48.39	
		For Seal Class A, Add	103.24	
		For Work In Restricted Working Space, Add	96.78	
23 31 13 13-0655	LF	26" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	378.61	199.10
		For Seal Class B, Add	49.77	
		For Seal Class A, Add	106.18	
		For Work In Restricted Working Space, Add	99.55	
23 31 13 13-0656	LF	26" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	389.16	204.63
		For Seal Class B, Add	51.16	
		For Seal Class A, Add	109.14	
		For Work In Restricted Working Space, Add	102.32	
23 31 13 13-0657	LF	28" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	294.48	154.85
		For Seal Class B, Add	38.71	
		For Seal Class A, Add	82.59	
		For Work In Restricted Working Space, Add	77.43	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 31 13 13-0658	LF	28" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	305.00	160.38
		For Seal Class B, Add	40.10	
		For Seal Class A, Add	85.54	
		For Work In Restricted Working Space, Add	80.19	
23 31 13 13-0659	LF	28" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	315.54	165.92
		For Seal Class B, Add	41.48	
		For Seal Class A, Add	88.49	
		For Work In Restricted Working Space, Add	82.96	
23 31 13 13-0660	LF	28" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	326.04	171.44
		For Seal Class B, Add	42.86	
		For Seal Class A, Add	91.44	
		For Work In Restricted Working Space, Add	85.72	
23 31 13 13-0661	LF	28" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	336.57	176.98
		For Seal Class B, Add	44.24	
		For Seal Class A, Add	94.39	
		For Work In Restricted Working Space, Add	88.49	
23 31 13 13-0662	LF	28" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	347.07	182.50
		For Seal Class B, Add	45.63	
		For Seal Class A, Add	97.34	
		For Work In Restricted Working Space, Add	91.25	
23 31 13 13-0663	LF	28" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	357.59	188.05
		For Seal Class B, Add	47.01	
		For Seal Class A, Add	100.28	
		For Work In Restricted Working Space, Add	94.02	
23 31 13 13-0664	LF	28" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	368.12	193.57
		For Seal Class B, Add	48.39	
		For Seal Class A, Add	103.24	
		For Work In Restricted Working Space, Add	96.78	
23 31 13 13-0665	LF	28" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	378.61	199.10
		For Seal Class B, Add	49.77	
		For Seal Class A, Add	106.18	
		For Work In Restricted Working Space, Add	99.55	
23 31 13 13-0666	LF	28" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	389.16	204.63
		For Seal Class B, Add	51.16	
		For Seal Class A, Add	109.14	
		For Work In Restricted Working Space, Add	102.32	
23 31 13 13-0667	LF	28" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	399.66	210.17
		For Seal Class B, Add	52.54	
		For Seal Class A, Add	112.09	
		For Work In Restricted Working Space, Add	105.08	
23 31 13 13-0668	LF	30" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	315.54	165.92
		For Seal Class B, Add	41.48	
		For Seal Class A, Add	88.49	
		For Work In Restricted Working Space, Add	82.96	
23 31 13 13-0669	LF	30" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	326.04	171.44
		For Seal Class B, Add	42.86	
		For Seal Class A, Add	91.44	
		For Work In Restricted Working Space, Add	85.72	
23 31 13 13-0670	LF	30" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	336.57	176.98
		For Seal Class B, Add	44.24	
		For Seal Class A, Add	94.39	
		For Work In Restricted Working Space, Add	88.49	
23 31 13 13-0671	LF	30" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	347.07	182.50
		For Seal Class B, Add	45.63	
		For Seal Class A, Add	97.34	
		For Work In Restricted Working Space, Add	91.25	
23 31 13 13-0672	LF	30" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	357.59	188.05
		For Seal Class B, Add	47.01	
		For Seal Class A, Add	100.28	
		For Work In Restricted Working Space, Add	94.02	
23 31 13 13-0673	LF	30" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	368.12	193.57
		For Seal Class B, Add	48.39	
		For Seal Class A, Add	103.24	
		For Work In Restricted Working Space, Add	96.78	
23 31 13 13-0674	LF	30" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	378.61	199.10
		For Seal Class B, Add	49.77	
		For Seal Class A, Add	106.18	
		For Work In Restricted Working Space, Add	99.55	
23 31 13 13-0675	LF	30" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	389.16	204.63
		For Seal Class B, Add	51.16	
		For Seal Class A, Add	109.14	
		For Work In Restricted Working Space, Add	102.32	
23 31 13 13-0676	LF	30" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	399.66	210.17
		For Seal Class B, Add	52.54	
		For Seal Class A, Add	112.09	
		For Work In Restricted Working Space, Add	105.08	
23 31 13 13-0677	LF	30" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	410.19	215.69
		For Seal Class B, Add	53.92	
		For Seal Class A, Add	115.04	
		For Work In Restricted Working Space, Add	107.85	
23 31 13 13-0678	LF	32" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	336.57	176.98
		For Seal Class B, Add	44.24	
		For Seal Class A, Add	94.39	
		For Work In Restricted Working Space, Add	88.49	
23 31 13 13-0679	LF	32" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	347.07	182.50
		For Seal Class B, Add	45.63	
		For Seal Class A, Add	97.34	
		For Work In Restricted Working Space, Add	91.25	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0680	LF	32" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	357.59	188.05
		For Seal Class B, Add	47.01	
		For Seal Class A, Add	100.28	
		For Work In Restricted Working Space, Add	94.02	
23 31 13 13-0681	LF	32" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	368.12	193.57
		For Seal Class B, Add	48.39	
		For Seal Class A, Add	103.24	
		For Work In Restricted Working Space, Add	96.78	
23 31 13 13-0682	LF	32" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	378.61	199.10
		For Seal Class B, Add	49.77	
		For Seal Class A, Add	106.18	
		For Work In Restricted Working Space, Add	99.55	
23 31 13 13-0683	LF	32" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	389.16	204.63
		For Seal Class B, Add	51.16	
		For Seal Class A, Add	109.14	
		For Work In Restricted Working Space, Add	102.32	
23 31 13 13-0684	LF	32" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	399.66	210.17
		For Seal Class B, Add	52.54	
		For Seal Class A, Add	112.09	
		For Work In Restricted Working Space, Add	105.08	
23 31 13 13-0685	LF	32" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	410.19	215.69
		For Seal Class B, Add	53.92	
		For Seal Class A, Add	115.04	
		For Work In Restricted Working Space, Add	107.85	
23 31 13 13-0686	LF	32" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	420.72	221.23
		For Seal Class B, Add	55.31	
		For Seal Class A, Add	117.99	
		For Work In Restricted Working Space, Add	110.61	
23 31 13 13-0687	LF	34" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	357.59	188.05
		For Seal Class B, Add	47.01	
		For Seal Class A, Add	100.28	
		For Work In Restricted Working Space, Add	94.02	
23 31 13 13-0688	LF	34" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	368.12	193.57
		For Seal Class B, Add	48.39	
		For Seal Class A, Add	103.24	
		For Work In Restricted Working Space, Add	96.78	
23 31 13 13-0689	LF	34" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	378.61	199.10
		For Seal Class B, Add	49.77	
		For Seal Class A, Add	106.18	
		For Work In Restricted Working Space, Add	99.55	
23 31 13 13-0690	LF	34" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	389.16	204.63
		For Seal Class B, Add	51.16	
		For Seal Class A, Add	109.14	
		For Work In Restricted Working Space, Add	102.32	
23 31 13 13-0691	LF	34" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	399.66	210.17
		For Seal Class B, Add	52.54	
		For Seal Class A, Add	112.09	
		For Work In Restricted Working Space, Add	105.08	
23 31 13 13-0692	LF	34" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	410.19	215.69
		For Seal Class B, Add	53.92	
		For Seal Class A, Add	115.04	
		For Work In Restricted Working Space, Add	107.85	
23 31 13 13-0693	LF	34" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	420.72	221.23
		For Seal Class B, Add	55.31	
		For Seal Class A, Add	117.99	
		For Work In Restricted Working Space, Add	110.61	
23 31 13 13-0694	LF	34" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	431.20	226.75
		For Seal Class B, Add	56.69	
		For Seal Class A, Add	120.93	
		For Work In Restricted Working Space, Add	113.37	
23 31 13 13-0695	LF	36" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	378.61	199.10
		For Seal Class B, Add	49.77	
		For Seal Class A, Add	106.18	
		For Work In Restricted Working Space, Add	99.55	
23 31 13 13-0696	LF	36" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	389.16	204.63
		For Seal Class B, Add	51.16	
		For Seal Class A, Add	109.14	
		For Work In Restricted Working Space, Add	102.32	
23 31 13 13-0697	LF	36" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	399.66	210.17
		For Seal Class B, Add	52.54	
		For Seal Class A, Add	112.09	
		For Work In Restricted Working Space, Add	105.08	
23 31 13 13-0698	LF	36" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	410.19	215.69
		For Seal Class B, Add	53.92	
		For Seal Class A, Add	115.04	
		For Work In Restricted Working Space, Add	107.85	
23 31 13 13-0699	LF	36" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	420.72	221.23
		For Seal Class B, Add	55.31	
		For Seal Class A, Add	117.99	
		For Work In Restricted Working Space, Add	110.61	
23 31 13 13-0700	LF	36" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	431.20	226.75
		For Seal Class B, Add	56.69	
		For Seal Class A, Add	120.93	
		For Work In Restricted Working Space, Add	113.37	
23 31 13 13-0701	LF	36" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	441.73	232.29
		For Seal Class B, Add	58.07	
		For Seal Class A, Add	123.88	
		For Work In Restricted Working Space, Add	116.14	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 31 13 13-0702	LF	38" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	399.66	210.17
		For Seal Class B, Add	52.54	
		For Seal Class A, Add	112.09	
		For Work In Restricted Working Space, Add	105.08	
23 31 13 13-0703	LF	38" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	410.19	215.69
		For Seal Class B, Add	53.92	
		For Seal Class A, Add	115.04	
		For Work In Restricted Working Space, Add	107.85	
23 31 13 13-0704	LF	38" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	420.72	221.23
		For Seal Class B, Add	55.31	
		For Seal Class A, Add	117.99	
		For Work In Restricted Working Space, Add	110.61	
23 31 13 13-0705	LF	38" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	431.20	226.75
		For Seal Class B, Add	56.69	
		For Seal Class A, Add	120.93	
		For Work In Restricted Working Space, Add	113.37	
23 31 13 13-0706	LF	38" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	441.73	232.29
		For Seal Class B, Add	58.07	
		For Seal Class A, Add	123.88	
		For Work In Restricted Working Space, Add	116.14	
23 31 13 13-0707	LF	38" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	452.27	237.82
		For Seal Class B, Add	59.45	
		For Seal Class A, Add	126.84	
		For Work In Restricted Working Space, Add	118.91	
23 31 13 13-0708	LF	38" x 50", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	462.78	243.35
		For Seal Class B, Add	60.84	
		For Seal Class A, Add	129.79	
		For Work In Restricted Working Space, Add	121.67	
23 31 13 13-0709	LF	40" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	420.72	221.23
		For Seal Class B, Add	55.31	
		For Seal Class A, Add	117.99	
		For Work In Restricted Working Space, Add	110.61	
23 31 13 13-0710	LF	40" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	431.20	226.75
		For Seal Class B, Add	56.69	
		For Seal Class A, Add	120.93	
		For Work In Restricted Working Space, Add	113.37	
23 31 13 13-0711	LF	40" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	441.73	232.29
		For Seal Class B, Add	58.07	
		For Seal Class A, Add	123.88	
		For Work In Restricted Working Space, Add	116.14	
23 31 13 13-0712	LF	40" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	452.27	237.82
		For Seal Class B, Add	59.45	
		For Seal Class A, Add	126.84	
		For Work In Restricted Working Space, Add	118.91	
23 31 13 13-0713	LF	40" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	462.78	243.35
		For Seal Class B, Add	60.84	
		For Seal Class A, Add	129.79	
		For Work In Restricted Working Space, Add	121.67	
23 31 13 13-0714	LF	40" x 50", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	473.29	248.87
		For Seal Class B, Add	62.22	
		For Seal Class A, Add	132.73	
		For Work In Restricted Working Space, Add	124.44	
23 31 13 13-0715	LF	40" x 52", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	483.80	254.41
		For Seal Class B, Add	63.60	
		For Seal Class A, Add	135.68	
		For Work In Restricted Working Space, Add	127.20	
23 31 13 13-0716	LF	40" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	494.32	259.93
		For Seal Class B, Add	64.98	
		For Seal Class A, Add	138.63	
		For Work In Restricted Working Space, Add	129.97	
23 31 13 13-0717	LF	40" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	504.85	265.47
		For Seal Class B, Add	66.37	
		For Seal Class A, Add	141.58	
		For Work In Restricted Working Space, Add	132.73	
23 31 13 13-0718	LF	42" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	441.73	232.29
		For Seal Class B, Add	58.07	
		For Seal Class A, Add	123.88	
		For Work In Restricted Working Space, Add	116.14	
23 31 13 13-0719	LF	42" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	452.27	237.82
		For Seal Class B, Add	59.45	
		For Seal Class A, Add	126.84	
		For Work In Restricted Working Space, Add	118.91	
23 31 13 13-0720	LF	42" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	462.78	243.35
		For Seal Class B, Add	60.84	
		For Seal Class A, Add	129.79	
		For Work In Restricted Working Space, Add	121.67	
23 31 13 13-0721	LF	42" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	473.29	248.87
		For Seal Class B, Add	62.22	
		For Seal Class A, Add	132.73	
		For Work In Restricted Working Space, Add	124.44	
23 31 13 13-0722	LF	42" x 50", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	483.80	254.41
		For Seal Class B, Add	63.60	
		For Seal Class A, Add	135.68	
		For Work In Restricted Working Space, Add	127.20	
23 31 13 13-0723	LF	42" x 52", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	494.32	259.93
		For Seal Class B, Add	64.98	
		For Seal Class A, Add	138.63	
		For Work In Restricted Working Space, Add	129.97	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0724	LF	42" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	504.85	265.47
		For Seal Class B, Add	66.37	
		For Seal Class A, Add	141.58	
		For Work In Restricted Working Space, Add	132.73	
23 31 13 13-0725	LF	42" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	515.35	271.00
		For Seal Class B, Add	67.75	
		For Seal Class A, Add	144.53	
		For Work In Restricted Working Space, Add	135.50	
23 31 13 13-0726	LF	44" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	462.78	243.35
		For Seal Class B, Add	60.84	
		For Seal Class A, Add	129.79	
		For Work In Restricted Working Space, Add	121.67	
23 31 13 13-0727	LF	44" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	473.29	248.87
		For Seal Class B, Add	62.22	
		For Seal Class A, Add	132.73	
		For Work In Restricted Working Space, Add	124.44	
23 31 13 13-0728	LF	44" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	483.80	254.41
		For Seal Class B, Add	63.60	
		For Seal Class A, Add	135.68	
		For Work In Restricted Working Space, Add	127.20	
23 31 13 13-0729	LF	44" x 50", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	494.32	259.93
		For Seal Class B, Add	64.98	
		For Seal Class A, Add	138.63	
		For Work In Restricted Working Space, Add	129.97	
23 31 13 13-0730	LF	44" x 52", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	504.85	265.47
		For Seal Class B, Add	66.37	
		For Seal Class A, Add	141.58	
		For Work In Restricted Working Space, Add	132.73	
23 31 13 13-0731	LF	44" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	515.35	271.00
		For Seal Class B, Add	67.75	
		For Seal Class A, Add	144.53	
		For Work In Restricted Working Space, Add	135.50	
23 31 13 13-0732	LF	44" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	525.88	276.53
		For Seal Class B, Add	69.13	
		For Seal Class A, Add	147.48	
		For Work In Restricted Working Space, Add	138.26	
23 31 13 13-0733	LF	46" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	483.80	254.41
		For Seal Class B, Add	63.60	
		For Seal Class A, Add	135.68	
		For Work In Restricted Working Space, Add	127.20	
23 31 13 13-0734	LF	46" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	494.32	259.93
		For Seal Class B, Add	64.98	
		For Seal Class A, Add	138.63	
		For Work In Restricted Working Space, Add	129.97	
23 31 13 13-0735	LF	46" x 50", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	504.85	265.47
		For Seal Class B, Add	66.37	
		For Seal Class A, Add	141.58	
		For Work In Restricted Working Space, Add	132.73	
23 31 13 13-0736	LF	46" x 52", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	515.35	271.00
		For Seal Class B, Add	67.75	
		For Seal Class A, Add	144.53	
		For Work In Restricted Working Space, Add	135.50	
23 31 13 13-0737	LF	46" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	525.88	276.53
		For Seal Class B, Add	69.13	
		For Seal Class A, Add	147.48	
		For Work In Restricted Working Space, Add	138.26	
23 31 13 13-0738	LF	46" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	545.62	287.60
		For Seal Class B, Add	71.90	
		For Seal Class A, Add	153.38	
		For Work In Restricted Working Space, Add	143.79	
23 31 13 13-0739	LF	46" x 58", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	556.13	293.12
		For Seal Class B, Add	73.28	
		For Seal Class A, Add	156.33	
		For Work In Restricted Working Space, Add	146.56	
23 31 13 13-0740	LF	48" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	504.85	265.47
		For Seal Class B, Add	66.37	
		For Seal Class A, Add	141.58	
		For Work In Restricted Working Space, Add	132.73	
23 31 13 13-0741	LF	48" x 50", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	515.35	271.00
		For Seal Class B, Add	67.75	
		For Seal Class A, Add	144.53	
		For Work In Restricted Working Space, Add	135.50	
23 31 13 13-0742	LF	48" x 52", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	525.88	276.53
		For Seal Class B, Add	69.13	
		For Seal Class A, Add	147.48	
		For Work In Restricted Working Space, Add	138.26	
23 31 13 13-0743	LF	48" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	536.41	282.05
		For Seal Class B, Add	70.52	
		For Seal Class A, Add	150.43	
		For Work In Restricted Working Space, Add	141.03	
23 31 13 13-0744	LF	48" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	546.91	287.60
		For Seal Class B, Add	71.90	
		For Seal Class A, Add	153.38	
		For Work In Restricted Working Space, Add	143.79	
23 31 13 13-0745	LF	48" x 58", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	557.44	293.12
		For Seal Class B, Add	73.28	
		For Seal Class A, Add	156.33	
		For Work In Restricted Working Space, Add	146.56	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 31 13 13-0746	LF	48" x 60", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	567.93	298.65
		For Seal Class B, Add	74.66	
		For Seal Class A, Add	159.28	
		For Work In Restricted Working Space, Add	149.32	
23 31 13 13-0747	LF	50" x 50", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	525.88	276.53
		For Seal Class B, Add	69.13	
		For Seal Class A, Add	147.48	
		For Work In Restricted Working Space, Add	138.26	
23 31 13 13-0748	LF	50" x 52", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	536.41	282.05
		For Seal Class B, Add	70.52	
		For Seal Class A, Add	150.43	
		For Work In Restricted Working Space, Add	141.03	
23 31 13 13-0749	LF	50" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	546.91	287.60
		For Seal Class B, Add	71.90	
		For Seal Class A, Add	153.38	
		For Work In Restricted Working Space, Add	143.79	
23 31 13 13-0750	LF	50" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	557.44	293.12
		For Seal Class B, Add	73.28	
		For Seal Class A, Add	156.33	
		For Work In Restricted Working Space, Add	146.56	
23 31 13 13-0751	LF	50" x 58", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	567.93	298.65
		For Seal Class B, Add	74.66	
		For Seal Class A, Add	159.28	
		For Work In Restricted Working Space, Add	149.32	
23 31 13 13-0752	LF	50" x 60", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	578.46	304.18
		For Seal Class B, Add	76.04	
		For Seal Class A, Add	162.23	
		For Work In Restricted Working Space, Add	152.09	
23 31 13 13-0753	LF	52" x 52", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	546.91	287.60
		For Seal Class B, Add	71.90	
		For Seal Class A, Add	153.38	
		For Work In Restricted Working Space, Add	143.79	
23 31 13 13-0754	LF	52" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	557.44	293.12
		For Seal Class B, Add	73.28	
		For Seal Class A, Add	156.33	
		For Work In Restricted Working Space, Add	146.56	
23 31 13 13-0755	LF	52" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	567.93	298.65
		For Seal Class B, Add	74.66	
		For Seal Class A, Add	159.28	
		For Work In Restricted Working Space, Add	149.32	
23 31 13 13-0756	LF	52" x 58", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	578.46	304.18
		For Seal Class B, Add	76.04	
		For Seal Class A, Add	162.23	
		For Work In Restricted Working Space, Add	152.09	
23 31 13 13-0757	LF	52" x 60", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	589.00	309.72
		For Seal Class B, Add	77.43	
		For Seal Class A, Add	165.18	
		For Work In Restricted Working Space, Add	154.86	
23 31 13 13-0758	LF	54" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	567.93	298.65
		For Seal Class B, Add	74.66	
		For Seal Class A, Add	159.28	
		For Work In Restricted Working Space, Add	149.32	
23 31 13 13-0759	LF	54" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	578.46	304.18
		For Seal Class B, Add	76.04	
		For Seal Class A, Add	162.23	
		For Work In Restricted Working Space, Add	152.09	
23 31 13 13-0760	LF	54" x 58", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	589.00	309.72
		For Seal Class B, Add	77.43	
		For Seal Class A, Add	165.18	
		For Work In Restricted Working Space, Add	154.86	
23 31 13 13-0761	LF	54" x 60", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	599.49	315.24
		For Seal Class B, Add	78.81	
		For Seal Class A, Add	168.13	
		For Work In Restricted Working Space, Add	157.62	
23 31 13 13-0762	LF	54" x 62", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	610.02	320.77
		For Seal Class B, Add	80.19	
		For Seal Class A, Add	171.08	
		For Work In Restricted Working Space, Add	160.39	
23 31 13 13-0763	LF	54" x 64", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	620.52	326.30
		For Seal Class B, Add	81.57	
		For Seal Class A, Add	174.03	
		For Work In Restricted Working Space, Add	163.15	
23 31 13 13-0764	LF	56" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	589.00	309.72
		For Seal Class B, Add	77.43	
		For Seal Class A, Add	165.18	
		For Work In Restricted Working Space, Add	154.86	
23 31 13 13-0765	LF	56" x 58", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	599.49	315.24
		For Seal Class B, Add	78.81	
		For Seal Class A, Add	168.13	
		For Work In Restricted Working Space, Add	157.62	
23 31 13 13-0766	LF	56" x 60", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	610.02	320.77
		For Seal Class B, Add	80.19	
		For Seal Class A, Add	171.08	
		For Work In Restricted Working Space, Add	160.39	
23 31 13 13-0767	LF	56" x 62", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	620.52	326.30
		For Seal Class B, Add	81.57	
		For Seal Class A, Add	174.03	
		For Work In Restricted Working Space, Add	163.15	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0768	LF	56" x 64", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	631.05	331.82
		For Seal Class B, Add	82.96	
		For Seal Class A, Add	176.98	
		For Work In Restricted Working Space, Add	165.92	
23 31 13 13-0769	LF	58" x 58", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	610.02	320.77
		For Seal Class B, Add	80.19	
		For Seal Class A, Add	171.08	
		For Work In Restricted Working Space, Add	160.39	
23 31 13 13-0770	LF	58" x 60", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	620.52	326.30
		For Seal Class B, Add	81.57	
		For Seal Class A, Add	174.03	
		For Work In Restricted Working Space, Add	163.15	
23 31 13 13-0771	LF	58" x 62", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	631.05	331.82
		For Seal Class B, Add	82.96	
		For Seal Class A, Add	176.98	
		For Work In Restricted Working Space, Add	165.92	
23 31 13 13-0772	LF	58" x 64", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	641.57	337.37
		For Seal Class B, Add	84.34	
		For Seal Class A, Add	179.92	
		For Work In Restricted Working Space, Add	168.68	
23 31 13 13-0773	LF	58" x 66", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	652.07	342.89
		For Seal Class B, Add	85.72	
		For Seal Class A, Add	182.87	
		For Work In Restricted Working Space, Add	171.44	
23 31 13 13-0774	LF	60" x 60", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	631.05	331.82
		For Seal Class B, Add	82.96	
		For Seal Class A, Add	176.98	
		For Work In Restricted Working Space, Add	165.92	
23 31 13 13-0775	LF	60" x 62", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	641.57	337.37
		For Seal Class B, Add	84.34	
		For Seal Class A, Add	179.92	
		For Work In Restricted Working Space, Add	168.68	
23 31 13 13-0776	LF	60" x 64", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	652.07	342.89
		For Seal Class B, Add	85.72	
		For Seal Class A, Add	182.87	
		For Work In Restricted Working Space, Add	171.44	
23 31 13 13-0777	LF	60" x 66", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	662.62	348.42
		For Seal Class B, Add	87.11	
		For Seal Class A, Add	185.63	
		For Work In Restricted Working Space, Add	174.22	
23 31 13 13-0778	LF	60" x 68", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	673.14	353.95
		For Seal Class B, Add	88.49	
		For Seal Class A, Add	188.78	
		For Work In Restricted Working Space, Add	176.98	
23 31 13 13-0779	LF	62" x 62", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	652.07	342.89
		For Seal Class B, Add	85.72	
		For Seal Class A, Add	182.87	
		For Work In Restricted Working Space, Add	171.44	
23 31 13 13-0780	LF	62" x 64", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	662.62	348.42
		For Seal Class B, Add	87.11	
		For Seal Class A, Add	185.63	
		For Work In Restricted Working Space, Add	174.22	
23 31 13 13-0781	LF	62" x 66", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	673.14	353.95
		For Seal Class B, Add	88.49	
		For Seal Class A, Add	188.78	
		For Work In Restricted Working Space, Add	176.98	
23 31 13 13-0782	LF	62" x 68", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	683.65	359.49
		For Seal Class B, Add	89.87	
		For Seal Class A, Add	191.73	
		For Work In Restricted Working Space, Add	179.75	
23 31 13 13-0783	LF	62" x 70", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	694.17	365.01
		For Seal Class B, Add	91.25	
		For Seal Class A, Add	194.68	
		For Work In Restricted Working Space, Add	182.51	
23 31 13 13-0784	LF	64" x 64", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	673.14	353.95
		For Seal Class B, Add	88.49	
		For Seal Class A, Add	188.78	
		For Work In Restricted Working Space, Add	176.98	
23 31 13 13-0785	LF	64" x 66", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	683.65	359.49
		For Seal Class B, Add	89.87	
		For Seal Class A, Add	191.73	
		For Work In Restricted Working Space, Add	179.75	
23 31 13 13-0786	LF	64" x 68", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	694.17	365.01
		For Seal Class B, Add	91.25	
		For Seal Class A, Add	194.68	
		For Work In Restricted Working Space, Add	182.51	
23 31 13 13-0787	LF	64" x 70", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	704.67	370.55
		For Seal Class B, Add	92.64	
		For Seal Class A, Add	197.63	
		For Work In Restricted Working Space, Add	185.27	
23 31 13 13-0788	LF	66" x 66", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	694.17	365.01
		For Seal Class B, Add	91.25	
		For Seal Class A, Add	194.68	
		For Work In Restricted Working Space, Add	182.51	
23 31 13 13-0789	LF	66" x 68", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	704.67	370.55
		For Seal Class B, Add	92.64	
		For Seal Class A, Add	197.63	
		For Work In Restricted Working Space, Add	185.27	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 31 13 13-0790	LF	66" x 70", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	715.18	376.07
		For Seal Class B, Add	94.02	
		For Seal Class A, Add	200.57	
		For Work In Restricted Working Space, Add	188.03	
23 31 13 13-0791	LF	66" x 72", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	725.71	381.60
		For Seal Class B, Add	95.40	
		For Seal Class A, Add	203.52	
		For Work In Restricted Working Space, Add	190.80	
23 31 13 13-0792	LF	68" x 68", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	715.18	376.07
		For Seal Class B, Add	94.02	
		For Seal Class A, Add	200.57	
		For Work In Restricted Working Space, Add	188.03	
23 31 13 13-0793	LF	68" x 70", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	725.71	381.60
		For Seal Class B, Add	95.40	
		For Seal Class A, Add	203.52	
		For Work In Restricted Working Space, Add	190.80	
23 31 13 13-0794	LF	68" x 72", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	736.22	387.13
		For Seal Class B, Add	96.78	
		For Seal Class A, Add	206.47	
		For Work In Restricted Working Space, Add	193.57	
23 31 13 13-0795	LF	68" x 74", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	746.75	392.67
		For Seal Class B, Add	98.17	
		For Seal Class A, Add	209.42	
		For Work In Restricted Working Space, Add	196.34	
23 31 13 13-0796	LF	70" x 70", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	736.22	387.13
		For Seal Class B, Add	96.78	
		For Seal Class A, Add	206.47	
		For Work In Restricted Working Space, Add	193.57	
23 31 13 13-0797	LF	70" x 72", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	746.75	392.67
		For Seal Class B, Add	98.17	
		For Seal Class A, Add	209.42	
		For Work In Restricted Working Space, Add	196.34	
23 31 13 13-0798	LF	70" x 74", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	757.28	398.19
		For Seal Class B, Add	99.55	
		For Seal Class A, Add	212.37	
		For Work In Restricted Working Space, Add	199.10	
23 31 13 13-0799	LF	70" x 76", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	767.78	403.73
		For Seal Class B, Add	100.93	
		For Seal Class A, Add	215.32	
		For Work In Restricted Working Space, Add	201.86	
23 31 13 13-0800	LF	70" x 78", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	778.31	409.25
		For Seal Class B, Add	102.32	
		For Seal Class A, Add	218.27	
		For Work In Restricted Working Space, Add	204.63	
23 31 13 13-0801	LF	70" x 80", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	788.80	414.79
		For Seal Class B, Add	103.70	
		For Seal Class A, Add	221.22	
		For Work In Restricted Working Space, Add	207.39	
23 31 13 13-0802	LF	70" x 82", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	799.34	420.32
		For Seal Class B, Add	105.08	
		For Seal Class A, Add	224.17	
		For Work In Restricted Working Space, Add	210.16	
23 31 13 13-0803	LF	70" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	809.86	425.85
		For Seal Class B, Add	106.46	
		For Seal Class A, Add	227.12	
		For Work In Restricted Working Space, Add	212.93	
23 31 13 13-0804	LF	72" x 72", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	757.28	398.19
		For Seal Class B, Add	99.55	
		For Seal Class A, Add	212.37	
		For Work In Restricted Working Space, Add	199.10	
23 31 13 13-0805	LF	72" x 74", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	767.78	403.73
		For Seal Class B, Add	100.93	
		For Seal Class A, Add	215.32	
		For Work In Restricted Working Space, Add	201.86	
23 31 13 13-0806	LF	72" x 76", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	778.31	409.25
		For Seal Class B, Add	102.32	
		For Seal Class A, Add	218.27	
		For Work In Restricted Working Space, Add	204.63	
23 31 13 13-0807	LF	72" x 78", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	788.80	414.79
		For Seal Class B, Add	103.70	
		For Seal Class A, Add	221.22	
		For Work In Restricted Working Space, Add	207.39	
23 31 13 13-0808	LF	72" x 80", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	799.34	420.32
		For Seal Class B, Add	105.08	
		For Seal Class A, Add	224.17	
		For Work In Restricted Working Space, Add	210.16	
23 31 13 13-0809	LF	72" x 82", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	809.86	425.85
		For Seal Class B, Add	106.46	
		For Seal Class A, Add	227.12	
		For Work In Restricted Working Space, Add	212.93	
23 31 13 13-0810	LF	72" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	820.36	431.37
		For Seal Class B, Add	107.85	
		For Seal Class A, Add	230.07	
		For Work In Restricted Working Space, Add	215.69	
23 31 13 13-0811	LF	74" x 74", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	778.31	409.25
		For Seal Class B, Add	102.32	
		For Seal Class A, Add	218.27	
		For Work In Restricted Working Space, Add	204.63	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0812	LF	74" x 76", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	788.80	414.79
		For Seal Class B, Add	103.70	
		For Seal Class A, Add	221.22	
		For Work In Restricted Working Space, Add	207.39	
23 31 13 13-0813	LF	74" x 78", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	799.34	420.32
		For Seal Class B, Add	105.08	
		For Seal Class A, Add	224.17	
		For Work In Restricted Working Space, Add	210.16	
23 31 13 13-0814	LF	74" x 80", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	809.86	425.85
		For Seal Class B, Add	106.46	
		For Seal Class A, Add	227.12	
		For Work In Restricted Working Space, Add	212.93	
23 31 13 13-0815	LF	74" x 82", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	820.36	431.37
		For Seal Class B, Add	107.85	
		For Seal Class A, Add	230.07	
		For Work In Restricted Working Space, Add	215.69	
23 31 13 13-0816	LF	74" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	830.89	436.92
		For Seal Class B, Add	109.23	
		For Seal Class A, Add	233.02	
		For Work In Restricted Working Space, Add	218.46	
23 31 13 13-0817	LF	76" x 76", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	799.34	420.32
		For Seal Class B, Add	105.08	
		For Seal Class A, Add	224.17	
		For Work In Restricted Working Space, Add	210.16	
23 31 13 13-0818	LF	76" x 78", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	809.86	425.85
		For Seal Class B, Add	106.46	
		For Seal Class A, Add	227.12	
		For Work In Restricted Working Space, Add	212.93	
23 31 13 13-0819	LF	76" x 80", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	820.36	431.37
		For Seal Class B, Add	107.85	
		For Seal Class A, Add	230.07	
		For Work In Restricted Working Space, Add	215.69	
23 31 13 13-0820	LF	76" x 82", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	830.89	436.92
		For Seal Class B, Add	109.23	
		For Seal Class A, Add	233.02	
		For Work In Restricted Working Space, Add	218.46	
23 31 13 13-0821	LF	76" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	841.39	442.44
		For Seal Class B, Add	110.61	
		For Seal Class A, Add	235.97	
		For Work In Restricted Working Space, Add	221.22	
23 31 13 13-0822	LF	78" x 78", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	820.36	431.37
		For Seal Class B, Add	107.85	
		For Seal Class A, Add	230.07	
		For Work In Restricted Working Space, Add	215.69	
23 31 13 13-0823	LF	78" x 80", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	830.89	436.92
		For Seal Class B, Add	109.23	
		For Seal Class A, Add	233.02	
		For Work In Restricted Working Space, Add	218.46	
23 31 13 13-0824	LF	78" x 82", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	841.39	442.44
		For Seal Class B, Add	110.61	
		For Seal Class A, Add	235.97	
		For Work In Restricted Working Space, Add	221.22	
23 31 13 13-0825	LF	78" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	851.92	447.97
		For Seal Class B, Add	111.99	
		For Seal Class A, Add	238.92	
		For Work In Restricted Working Space, Add	223.99	
23 31 13 13-0826	LF	80" x 80", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	841.39	442.44
		For Seal Class B, Add	110.61	
		For Seal Class A, Add	235.97	
		For Work In Restricted Working Space, Add	221.22	
23 31 13 13-0827	LF	80" x 82", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	851.92	447.97
		For Seal Class B, Add	111.99	
		For Seal Class A, Add	238.92	
		For Work In Restricted Working Space, Add	223.99	
23 31 13 13-0828	LF	80" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	862.44	453.50
		For Seal Class B, Add	113.37	
		For Seal Class A, Add	241.87	
		For Work In Restricted Working Space, Add	226.75	
23 31 13 13-0829	LF	82" x 82", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	862.44	453.50
		For Seal Class B, Add	113.37	
		For Seal Class A, Add	241.87	
		For Work In Restricted Working Space, Add	226.75	
23 31 13 13-0830	LF	82" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	872.95	459.04
		For Seal Class B, Add	114.76	
		For Seal Class A, Add	244.82	
		For Work In Restricted Working Space, Add	229.52	
23 31 13 13-0831	LF	84" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	883.47	464.56
		For Seal Class B, Add	116.14	
		For Seal Class A, Add	247.77	
		For Work In Restricted Working Space, Add	232.28	
23 31 13 13-0832		18 Gauge Galvanized Steel Metal Ductwork (23 31 13 13-0014)		
23 31 13 13-0833	LF	4" x 4", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	54.78	28.79
		For Seal Class B, Add	7.20	
		For Seal Class A, Add	15.36	
		For Work In Restricted Working Space, Add	14.40	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 31 13 13-0834	LF 4" x 6", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	68.46	36.00
	For Seal Class B, Add	9.00	
	For Seal Class A, Add	19.20	
	For Work In Restricted Working Space, Add	18.00	
23 31 13 13-0835	LF 4" x 8", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	82.15	43.21
	For Seal Class B, Add	10.80	
	For Seal Class A, Add	23.04	
	For Work In Restricted Working Space, Add	21.60	
23 31 13 13-0836	LF 4" x 10", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	95.85	50.40
	For Seal Class B, Add	12.60	
	For Seal Class A, Add	26.88	
	For Work In Restricted Working Space, Add	25.20	
23 31 13 13-0837	LF 4" x 12", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	109.55	57.61
	For Seal Class B, Add	14.40	
	For Seal Class A, Add	30.72	
	For Work In Restricted Working Space, Add	28.80	
23 31 13 13-0838	LF 4" x 14", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	123.24	64.80
	For Seal Class B, Add	16.20	
	For Seal Class A, Add	34.56	
	For Work In Restricted Working Space, Add	32.40	
23 31 13 13-0839	LF 4" x 16", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	136.93	72.00
	For Seal Class B, Add	18.00	
	For Seal Class A, Add	38.40	
	For Work In Restricted Working Space, Add	36.00	
23 31 13 13-0840	LF 6" x 6", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	82.15	43.21
	For Seal Class B, Add	10.80	
	For Seal Class A, Add	23.04	
	For Work In Restricted Working Space, Add	21.60	
23 31 13 13-0841	LF 6" x 8", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	95.85	50.40
	For Seal Class B, Add	12.60	
	For Seal Class A, Add	26.88	
	For Work In Restricted Working Space, Add	25.20	
23 31 13 13-0842	LF 6" x 10", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	109.55	57.61
	For Seal Class B, Add	14.40	
	For Seal Class A, Add	30.72	
	For Work In Restricted Working Space, Add	28.80	
23 31 13 13-0843	LF 6" x 12", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	123.24	64.80
	For Seal Class B, Add	16.20	
	For Seal Class A, Add	34.56	
	For Work In Restricted Working Space, Add	32.40	
23 31 13 13-0844	LF 6" x 14", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	136.93	72.00
	For Seal Class B, Add	18.00	
	For Seal Class A, Add	38.40	
	For Work In Restricted Working Space, Add	36.00	
23 31 13 13-0845	LF 6" x 16", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	150.62	79.21
	For Seal Class B, Add	19.80	
	For Seal Class A, Add	42.24	
	For Work In Restricted Working Space, Add	39.60	
23 31 13 13-0846	LF 8" x 8", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	109.55	57.61
	For Seal Class B, Add	14.40	
	For Seal Class A, Add	30.72	
	For Work In Restricted Working Space, Add	28.80	
23 31 13 13-0847	LF 8" x 10", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	123.24	64.80
	For Seal Class B, Add	16.20	
	For Seal Class A, Add	34.56	
	For Work In Restricted Working Space, Add	32.40	
23 31 13 13-0848	LF 8" x 12", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	136.93	72.00
	For Seal Class B, Add	18.00	
	For Seal Class A, Add	38.40	
	For Work In Restricted Working Space, Add	36.00	
23 31 13 13-0849	LF 8" x 14", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	150.62	79.21
	For Seal Class B, Add	19.80	
	For Seal Class A, Add	42.24	
	For Work In Restricted Working Space, Add	39.60	
23 31 13 13-0850	LF 8" x 16", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	164.31	86.40
	For Seal Class B, Add	21.60	
	For Seal Class A, Add	46.08	
	For Work In Restricted Working Space, Add	43.20	
23 31 13 13-0851	LF 8" x 18", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	178.02	93.60
	For Seal Class B, Add	23.40	
	For Seal Class A, Add	49.92	
	For Work In Restricted Working Space, Add	46.80	
23 31 13 13-0852	LF 8" x 20", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	191.70	100.80
	For Seal Class B, Add	25.20	
	For Seal Class A, Add	53.76	
	For Work In Restricted Working Space, Add	50.40	
23 31 13 13-0853	LF 8" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	205.40	108.00
	For Seal Class B, Add	27.00	
	For Seal Class A, Add	57.60	
	For Work In Restricted Working Space, Add	54.00	
23 31 13 13-0854	LF 8" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	219.07	115.20
	For Seal Class B, Add	28.80	
	For Seal Class A, Add	61.44	
	For Work In Restricted Working Space, Add	57.60	
23 31 13 13-0855	LF 10" x 10", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	136.93	72.00
	For Seal Class B, Add	18.00	
	For Seal Class A, Add	38.40	
	For Work In Restricted Working Space, Add	36.00	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0856	LF	10" x 12", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	150.62	79.21
		For Seal Class B, Add	19.80	
		For Seal Class A, Add	42.24	
		For Work In Restricted Working Space, Add	39.60	
23 31 13 13-0857	LF	10" x 14", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	164.31	86.40
		For Seal Class B, Add	21.60	
		For Seal Class A, Add	46.08	
		For Work In Restricted Working Space, Add	43.20	
23 31 13 13-0858	LF	10" x 16", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	178.02	93.60
		For Seal Class B, Add	23.40	
		For Seal Class A, Add	49.92	
		For Work In Restricted Working Space, Add	46.80	
23 31 13 13-0859	LF	10" x 18", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	191.70	100.80
		For Seal Class B, Add	25.20	
		For Seal Class A, Add	53.76	
		For Work In Restricted Working Space, Add	50.40	
23 31 13 13-0860	LF	10" x 20", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	205.40	108.00
		For Seal Class B, Add	27.00	
		For Seal Class A, Add	57.60	
		For Work In Restricted Working Space, Add	54.00	
23 31 13 13-0861	LF	10" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	219.07	115.20
		For Seal Class B, Add	28.80	
		For Seal Class A, Add	61.44	
		For Work In Restricted Working Space, Add	57.60	
23 31 13 13-0862	LF	10" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	232.77	122.41
		For Seal Class B, Add	30.60	
		For Seal Class A, Add	65.28	
		For Work In Restricted Working Space, Add	61.20	
23 31 13 13-0863	LF	10" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	246.48	129.61
		For Seal Class B, Add	32.40	
		For Seal Class A, Add	69.12	
		For Work In Restricted Working Space, Add	64.80	
23 31 13 13-0864	LF	10" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	260.18	136.82
		For Seal Class B, Add	34.20	
		For Seal Class A, Add	72.97	
		For Work In Restricted Working Space, Add	68.41	
23 31 13 13-0865	LF	10" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	273.86	144.01
		For Seal Class B, Add	36.00	
		For Seal Class A, Add	76.80	
		For Work In Restricted Working Space, Add	72.00	
23 31 13 13-0866	LF	10" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	287.55	151.21
		For Seal Class B, Add	37.80	
		For Seal Class A, Add	80.64	
		For Work In Restricted Working Space, Add	75.60	
23 31 13 13-0867	LF	12" x 12", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	164.31	86.40
		For Seal Class B, Add	21.60	
		For Seal Class A, Add	46.08	
		For Work In Restricted Working Space, Add	43.20	
23 31 13 13-0868	LF	12" x 14", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	178.02	93.60
		For Seal Class B, Add	23.40	
		For Seal Class A, Add	49.92	
		For Work In Restricted Working Space, Add	46.80	
23 31 13 13-0869	LF	12" x 16", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	191.70	100.80
		For Seal Class B, Add	25.20	
		For Seal Class A, Add	53.76	
		For Work In Restricted Working Space, Add	50.40	
23 31 13 13-0870	LF	12" x 18", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	205.40	108.00
		For Seal Class B, Add	27.00	
		For Seal Class A, Add	57.60	
		For Work In Restricted Working Space, Add	54.00	
23 31 13 13-0871	LF	12" x 20", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	219.07	115.20
		For Seal Class B, Add	28.80	
		For Seal Class A, Add	61.44	
		For Work In Restricted Working Space, Add	57.60	
23 31 13 13-0872	LF	12" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	232.77	122.41
		For Seal Class B, Add	30.60	
		For Seal Class A, Add	65.28	
		For Work In Restricted Working Space, Add	61.20	
23 31 13 13-0873	LF	12" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	246.48	129.61
		For Seal Class B, Add	32.40	
		For Seal Class A, Add	69.12	
		For Work In Restricted Working Space, Add	64.80	
23 31 13 13-0874	LF	12" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	260.18	136.82
		For Seal Class B, Add	34.20	
		For Seal Class A, Add	72.97	
		For Work In Restricted Working Space, Add	68.41	
23 31 13 13-0875	LF	12" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	273.86	144.01
		For Seal Class B, Add	36.00	
		For Seal Class A, Add	76.80	
		For Work In Restricted Working Space, Add	72.00	
23 31 13 13-0876	LF	12" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	287.55	151.21
		For Seal Class B, Add	37.80	
		For Seal Class A, Add	80.64	
		For Work In Restricted Working Space, Add	75.60	
23 31 13 13-0877	LF	12" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	301.23	158.41
		For Seal Class B, Add	39.60	
		For Seal Class A, Add	84.48	
		For Work In Restricted Working Space, Add	79.20	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 31 13 13-0878	LF	12" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	314.95	165.61
		For Seal Class B, Add	41.40	
		For Seal Class A, Add	88.32	
		For Work In Restricted Working Space, Add	82.80	
23 31 13 13-0879	LF	12" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	328.64	172.80
		For Seal Class B, Add	43.20	
		For Seal Class A, Add	92.17	
		For Work In Restricted Working Space, Add	86.41	
23 31 13 13-0880	LF	14" x 14", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	191.70	100.80
		For Seal Class B, Add	25.20	
		For Seal Class A, Add	53.76	
		For Work In Restricted Working Space, Add	50.40	
23 31 13 13-0881	LF	14" x 16", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	205.40	108.00
		For Seal Class B, Add	27.00	
		For Seal Class A, Add	57.60	
		For Work In Restricted Working Space, Add	54.00	
23 31 13 13-0882	LF	14" x 18", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	219.07	115.20
		For Seal Class B, Add	28.80	
		For Seal Class A, Add	61.44	
		For Work In Restricted Working Space, Add	57.60	
23 31 13 13-0883	LF	14" x 20", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	232.77	122.41
		For Seal Class B, Add	30.60	
		For Seal Class A, Add	65.28	
		For Work In Restricted Working Space, Add	61.20	
23 31 13 13-0884	LF	14" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	246.48	129.61
		For Seal Class B, Add	32.40	
		For Seal Class A, Add	69.12	
		For Work In Restricted Working Space, Add	64.80	
23 31 13 13-0885	LF	14" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	260.18	136.82
		For Seal Class B, Add	34.20	
		For Seal Class A, Add	72.97	
		For Work In Restricted Working Space, Add	68.41	
23 31 13 13-0886	LF	14" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	273.86	144.01
		For Seal Class B, Add	36.00	
		For Seal Class A, Add	76.80	
		For Work In Restricted Working Space, Add	72.00	
23 31 13 13-0887	LF	14" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	287.55	151.21
		For Seal Class B, Add	37.80	
		For Seal Class A, Add	80.64	
		For Work In Restricted Working Space, Add	75.60	
23 31 13 13-0888	LF	14" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	301.23	158.41
		For Seal Class B, Add	39.60	
		For Seal Class A, Add	84.48	
		For Work In Restricted Working Space, Add	79.20	
23 31 13 13-0889	LF	14" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	314.95	165.61
		For Seal Class B, Add	41.40	
		For Seal Class A, Add	88.32	
		For Work In Restricted Working Space, Add	82.80	
23 31 13 13-0890	LF	14" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	328.64	172.80
		For Seal Class B, Add	43.20	
		For Seal Class A, Add	92.17	
		For Work In Restricted Working Space, Add	86.41	
23 31 13 13-0891	LF	14" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	342.33	180.01
		For Seal Class B, Add	45.00	
		For Seal Class A, Add	96.01	
		For Work In Restricted Working Space, Add	90.01	
23 31 13 13-0892	LF	16" x 16", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	219.07	115.20
		For Seal Class B, Add	28.80	
		For Seal Class A, Add	61.44	
		For Work In Restricted Working Space, Add	57.60	
23 31 13 13-0893	LF	16" x 18", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	232.77	122.41
		For Seal Class B, Add	30.60	
		For Seal Class A, Add	65.28	
		For Work In Restricted Working Space, Add	61.20	
23 31 13 13-0894	LF	16" x 20", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	246.48	129.61
		For Seal Class B, Add	32.40	
		For Seal Class A, Add	69.12	
		For Work In Restricted Working Space, Add	64.80	
23 31 13 13-0895	LF	16" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	260.18	136.82
		For Seal Class B, Add	34.20	
		For Seal Class A, Add	72.97	
		For Work In Restricted Working Space, Add	68.41	
23 31 13 13-0896	LF	16" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	273.86	144.01
		For Seal Class B, Add	36.00	
		For Seal Class A, Add	76.80	
		For Work In Restricted Working Space, Add	72.00	
23 31 13 13-0897	LF	16" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	287.55	151.21
		For Seal Class B, Add	37.80	
		For Seal Class A, Add	80.64	
		For Work In Restricted Working Space, Add	75.60	
23 31 13 13-0898	LF	16" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	301.23	158.41
		For Seal Class B, Add	39.60	
		For Seal Class A, Add	84.48	
		For Work In Restricted Working Space, Add	79.20	
23 31 13 13-0899	LF	16" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	314.95	165.61
		For Seal Class B, Add	41.40	
		For Seal Class A, Add	88.32	
		For Work In Restricted Working Space, Add	82.80	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0900	LF	16" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	328.64	172.80
		For Seal Class B, Add	43.20	
		For Seal Class A, Add	92.17	
		For Work In Restricted Working Space, Add	86.41	
23 31 13 13-0901	LF	16" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	342.33	180.01
		For Seal Class B, Add	45.00	
		For Seal Class A, Add	96.01	
		For Work In Restricted Working Space, Add	90.01	
23 31 13 13-0902	LF	16" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	356.01	187.20
		For Seal Class B, Add	46.80	
		For Seal Class A, Add	99.84	
		For Work In Restricted Working Space, Add	93.60	
23 31 13 13-0903	LF	16" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	369.71	194.40
		For Seal Class B, Add	48.60	
		For Seal Class A, Add	103.69	
		For Work In Restricted Working Space, Add	97.21	
23 31 13 13-0904	LF	16" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	383.42	201.62
		For Seal Class B, Add	50.40	
		For Seal Class A, Add	107.53	
		For Work In Restricted Working Space, Add	100.81	
23 31 13 13-0905	LF	16" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	397.10	208.82
		For Seal Class B, Add	52.20	
		For Seal Class A, Add	111.36	
		For Work In Restricted Working Space, Add	104.40	
23 31 13 13-0906	LF	16" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	410.79	216.01
		For Seal Class B, Add	54.00	
		For Seal Class A, Add	115.21	
		For Work In Restricted Working Space, Add	108.01	
23 31 13 13-0907	LF	18" x 18", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	246.48	129.61
		For Seal Class B, Add	32.40	
		For Seal Class A, Add	69.12	
		For Work In Restricted Working Space, Add	64.80	
23 31 13 13-0908	LF	18" x 20", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	260.18	136.82
		For Seal Class B, Add	34.20	
		For Seal Class A, Add	72.97	
		For Work In Restricted Working Space, Add	68.41	
23 31 13 13-0909	LF	18" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	273.86	144.01
		For Seal Class B, Add	36.00	
		For Seal Class A, Add	76.80	
		For Work In Restricted Working Space, Add	72.00	
23 31 13 13-0910	LF	18" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	287.55	151.21
		For Seal Class B, Add	37.80	
		For Seal Class A, Add	80.64	
		For Work In Restricted Working Space, Add	75.60	
23 31 13 13-0911	LF	18" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	301.23	158.41
		For Seal Class B, Add	39.60	
		For Seal Class A, Add	84.48	
		For Work In Restricted Working Space, Add	79.20	
23 31 13 13-0912	LF	18" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	314.95	165.61
		For Seal Class B, Add	41.40	
		For Seal Class A, Add	88.32	
		For Work In Restricted Working Space, Add	82.80	
23 31 13 13-0913	LF	18" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	328.64	172.80
		For Seal Class B, Add	43.20	
		For Seal Class A, Add	92.17	
		For Work In Restricted Working Space, Add	86.41	
23 31 13 13-0914	LF	18" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	342.33	180.01
		For Seal Class B, Add	45.00	
		For Seal Class A, Add	96.01	
		For Work In Restricted Working Space, Add	90.01	
23 31 13 13-0915	LF	18" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	356.01	187.20
		For Seal Class B, Add	46.80	
		For Seal Class A, Add	99.84	
		For Work In Restricted Working Space, Add	93.60	
23 31 13 13-0916	LF	18" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	369.71	194.40
		For Seal Class B, Add	48.60	
		For Seal Class A, Add	103.69	
		For Work In Restricted Working Space, Add	97.21	
23 31 13 13-0917	LF	18" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	383.42	201.62
		For Seal Class B, Add	50.40	
		For Seal Class A, Add	107.53	
		For Work In Restricted Working Space, Add	100.81	
23 31 13 13-0918	LF	18" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	397.10	208.82
		For Seal Class B, Add	52.20	
		For Seal Class A, Add	111.36	
		For Work In Restricted Working Space, Add	104.40	
23 31 13 13-0919	LF	18" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	410.79	216.01
		For Seal Class B, Add	54.00	
		For Seal Class A, Add	115.21	
		For Work In Restricted Working Space, Add	108.01	
23 31 13 13-0920	LF	18" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	424.49	223.22
		For Seal Class B, Add	55.80	
		For Seal Class A, Add	119.05	
		For Work In Restricted Working Space, Add	111.61	
23 31 13 13-0921	LF	18" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	438.19	230.41
		For Seal Class B, Add	57.60	
		For Seal Class A, Add	122.89	
		For Work In Restricted Working Space, Add	115.21	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 31 13 13-0922	LF	20" x 20", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	273.86	144.01
		For Seal Class B, Add	36.00	
		For Seal Class A, Add	76.80	
		For Work In Restricted Working Space, Add	72.00	
23 31 13 13-0923	LF	20" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	287.55	151.21
		For Seal Class B, Add	37.80	
		For Seal Class A, Add	80.64	
		For Work In Restricted Working Space, Add	75.60	
23 31 13 13-0924	LF	20" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	301.23	158.41
		For Seal Class B, Add	39.60	
		For Seal Class A, Add	84.48	
		For Work In Restricted Working Space, Add	79.20	
23 31 13 13-0925	LF	20" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	314.95	165.61
		For Seal Class B, Add	41.40	
		For Seal Class A, Add	88.32	
		For Work In Restricted Working Space, Add	82.80	
23 31 13 13-0926	LF	20" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	328.64	172.80
		For Seal Class B, Add	43.20	
		For Seal Class A, Add	92.17	
		For Work In Restricted Working Space, Add	86.41	
23 31 13 13-0927	LF	20" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	342.33	180.01
		For Seal Class B, Add	45.00	
		For Seal Class A, Add	96.01	
		For Work In Restricted Working Space, Add	90.01	
23 31 13 13-0928	LF	20" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	356.01	187.20
		For Seal Class B, Add	46.80	
		For Seal Class A, Add	99.84	
		For Work In Restricted Working Space, Add	93.60	
23 31 13 13-0929	LF	20" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	369.71	194.40
		For Seal Class B, Add	48.60	
		For Seal Class A, Add	103.69	
		For Work In Restricted Working Space, Add	97.21	
23 31 13 13-0930	LF	20" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	383.42	201.62
		For Seal Class B, Add	50.40	
		For Seal Class A, Add	107.53	
		For Work In Restricted Working Space, Add	100.81	
23 31 13 13-0931	LF	20" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	397.10	208.82
		For Seal Class B, Add	52.20	
		For Seal Class A, Add	111.36	
		For Work In Restricted Working Space, Add	104.40	
23 31 13 13-0932	LF	20" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	410.79	216.01
		For Seal Class B, Add	54.00	
		For Seal Class A, Add	115.21	
		For Work In Restricted Working Space, Add	108.01	
23 31 13 13-0933	LF	20" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	424.49	223.22
		For Seal Class B, Add	55.80	
		For Seal Class A, Add	119.05	
		For Work In Restricted Working Space, Add	111.61	
23 31 13 13-0934	LF	20" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	438.19	230.41
		For Seal Class B, Add	57.60	
		For Seal Class A, Add	122.89	
		For Work In Restricted Working Space, Add	115.21	
23 31 13 13-0935	LF	20" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	451.88	237.61
		For Seal Class B, Add	59.40	
		For Seal Class A, Add	126.73	
		For Work In Restricted Working Space, Add	118.81	
23 31 13 13-0936	LF	20" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	465.57	244.81
		For Seal Class B, Add	61.20	
		For Seal Class A, Add	130.57	
		For Work In Restricted Working Space, Add	122.41	
23 31 13 13-0937	LF	22" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	301.23	158.41
		For Seal Class B, Add	39.60	
		For Seal Class A, Add	84.48	
		For Work In Restricted Working Space, Add	79.20	
23 31 13 13-0938	LF	22" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	314.95	165.61
		For Seal Class B, Add	41.40	
		For Seal Class A, Add	88.32	
		For Work In Restricted Working Space, Add	82.80	
23 31 13 13-0939	LF	22" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	328.64	172.80
		For Seal Class B, Add	43.20	
		For Seal Class A, Add	92.17	
		For Work In Restricted Working Space, Add	86.41	
23 31 13 13-0940	LF	22" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	342.33	180.01
		For Seal Class B, Add	45.00	
		For Seal Class A, Add	96.01	
		For Work In Restricted Working Space, Add	90.01	
23 31 13 13-0941	LF	22" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	356.01	187.20
		For Seal Class B, Add	46.80	
		For Seal Class A, Add	99.84	
		For Work In Restricted Working Space, Add	93.60	
23 31 13 13-0942	LF	22" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	369.71	194.40
		For Seal Class B, Add	48.60	
		For Seal Class A, Add	103.69	
		For Work In Restricted Working Space, Add	97.21	
23 31 13 13-0943	LF	22" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	383.42	201.62
		For Seal Class B, Add	50.40	
		For Seal Class A, Add	107.53	
		For Work In Restricted Working Space, Add	100.81	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0944	LF	22" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	397.10	208.82
		For Seal Class B, Add	52.20	
		For Seal Class A, Add	111.36	
		For Work In Restricted Working Space, Add	104.40	
23 31 13 13-0945	LF	22" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	410.79	216.01
		For Seal Class B, Add	54.00	
		For Seal Class A, Add	115.21	
		For Work In Restricted Working Space, Add	108.01	
23 31 13 13-0946	LF	22" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	424.49	223.22
		For Seal Class B, Add	55.80	
		For Seal Class A, Add	119.05	
		For Work In Restricted Working Space, Add	111.61	
23 31 13 13-0947	LF	22" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	438.19	230.41
		For Seal Class B, Add	57.60	
		For Seal Class A, Add	122.89	
		For Work In Restricted Working Space, Add	115.21	
23 31 13 13-0948	LF	22" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	451.88	237.61
		For Seal Class B, Add	59.40	
		For Seal Class A, Add	126.73	
		For Work In Restricted Working Space, Add	118.81	
23 31 13 13-0949	LF	22" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	465.57	244.81
		For Seal Class B, Add	61.20	
		For Seal Class A, Add	130.57	
		For Work In Restricted Working Space, Add	122.41	
23 31 13 13-0950	LF	22" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	479.26	252.01
		For Seal Class B, Add	63.00	
		For Seal Class A, Add	134.41	
		For Work In Restricted Working Space, Add	126.01	
23 31 13 13-0951	LF	24" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	328.64	172.80
		For Seal Class B, Add	43.20	
		For Seal Class A, Add	92.17	
		For Work In Restricted Working Space, Add	86.41	
23 31 13 13-0952	LF	24" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	342.33	180.01
		For Seal Class B, Add	45.00	
		For Seal Class A, Add	96.01	
		For Work In Restricted Working Space, Add	90.01	
23 31 13 13-0953	LF	24" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	356.01	187.20
		For Seal Class B, Add	46.80	
		For Seal Class A, Add	99.84	
		For Work In Restricted Working Space, Add	93.60	
23 31 13 13-0954	LF	24" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	369.71	194.40
		For Seal Class B, Add	48.60	
		For Seal Class A, Add	103.69	
		For Work In Restricted Working Space, Add	97.21	
23 31 13 13-0955	LF	24" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	383.42	201.62
		For Seal Class B, Add	50.40	
		For Seal Class A, Add	107.53	
		For Work In Restricted Working Space, Add	100.81	
23 31 13 13-0956	LF	24" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	397.10	208.82
		For Seal Class B, Add	52.20	
		For Seal Class A, Add	111.36	
		For Work In Restricted Working Space, Add	104.40	
23 31 13 13-0957	LF	24" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	410.79	216.01
		For Seal Class B, Add	54.00	
		For Seal Class A, Add	115.21	
		For Work In Restricted Working Space, Add	108.01	
23 31 13 13-0958	LF	24" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	424.49	223.22
		For Seal Class B, Add	55.80	
		For Seal Class A, Add	119.05	
		For Work In Restricted Working Space, Add	111.61	
23 31 13 13-0959	LF	24" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	438.19	230.41
		For Seal Class B, Add	57.60	
		For Seal Class A, Add	122.89	
		For Work In Restricted Working Space, Add	115.21	
23 31 13 13-0960	LF	24" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	451.88	237.61
		For Seal Class B, Add	59.40	
		For Seal Class A, Add	126.73	
		For Work In Restricted Working Space, Add	118.81	
23 31 13 13-0961	LF	24" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	465.57	244.81
		For Seal Class B, Add	61.20	
		For Seal Class A, Add	130.57	
		For Work In Restricted Working Space, Add	122.41	
23 31 13 13-0962	LF	24" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	479.26	252.01
		For Seal Class B, Add	63.00	
		For Seal Class A, Add	134.41	
		For Work In Restricted Working Space, Add	126.01	
23 31 13 13-0963	LF	24" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	492.94	259.20
		For Seal Class B, Add	64.80	
		For Seal Class A, Add	138.25	
		For Work In Restricted Working Space, Add	129.61	
23 31 13 13-0964	LF	26" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	356.01	187.20
		For Seal Class B, Add	46.80	
		For Seal Class A, Add	99.84	
		For Work In Restricted Working Space, Add	93.60	
23 31 13 13-0965	LF	26" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	369.71	194.40
		For Seal Class B, Add	48.60	
		For Seal Class A, Add	103.69	
		For Work In Restricted Working Space, Add	97.21	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 31 13 13-0966	LF 26" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	383.42	201.62
	For Seal Class B, Add	50.40	
	For Seal Class A, Add	107.53	
	For Work In Restricted Working Space, Add	100.81	
23 31 13 13-0967	LF 26" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	397.10	208.82
	For Seal Class B, Add	52.20	
	For Seal Class A, Add	111.36	
	For Work In Restricted Working Space, Add	104.40	
23 31 13 13-0968	LF 26" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	410.79	216.01
	For Seal Class B, Add	54.00	
	For Seal Class A, Add	115.21	
	For Work In Restricted Working Space, Add	108.01	
23 31 13 13-0969	LF 26" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	424.49	223.22
	For Seal Class B, Add	55.80	
	For Seal Class A, Add	119.05	
	For Work In Restricted Working Space, Add	111.61	
23 31 13 13-0970	LF 26" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	438.19	230.41
	For Seal Class B, Add	57.60	
	For Seal Class A, Add	122.89	
	For Work In Restricted Working Space, Add	115.21	
23 31 13 13-0971	LF 26" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	451.88	237.61
	For Seal Class B, Add	59.40	
	For Seal Class A, Add	126.73	
	For Work In Restricted Working Space, Add	118.81	
23 31 13 13-0972	LF 26" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	465.57	244.81
	For Seal Class B, Add	61.20	
	For Seal Class A, Add	130.57	
	For Work In Restricted Working Space, Add	122.41	
23 31 13 13-0973	LF 26" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	479.26	252.01
	For Seal Class B, Add	63.00	
	For Seal Class A, Add	134.41	
	For Work In Restricted Working Space, Add	126.01	
23 31 13 13-0974	LF 26" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	492.94	259.20
	For Seal Class B, Add	64.80	
	For Seal Class A, Add	138.25	
	For Work In Restricted Working Space, Add	129.61	
23 31 13 13-0975	LF 26" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	506.67	266.41
	For Seal Class B, Add	66.60	
	For Seal Class A, Add	142.09	
	For Work In Restricted Working Space, Add	133.21	
23 31 13 13-0976	LF 28" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	383.42	201.62
	For Seal Class B, Add	50.40	
	For Seal Class A, Add	107.53	
	For Work In Restricted Working Space, Add	100.81	
23 31 13 13-0977	LF 28" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	397.10	208.82
	For Seal Class B, Add	52.20	
	For Seal Class A, Add	111.36	
	For Work In Restricted Working Space, Add	104.40	
23 31 13 13-0978	LF 28" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	410.79	216.01
	For Seal Class B, Add	54.00	
	For Seal Class A, Add	115.21	
	For Work In Restricted Working Space, Add	108.01	
23 31 13 13-0979	LF 28" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	424.49	223.22
	For Seal Class B, Add	55.80	
	For Seal Class A, Add	119.05	
	For Work In Restricted Working Space, Add	111.61	
23 31 13 13-0980	LF 28" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	438.19	230.41
	For Seal Class B, Add	57.60	
	For Seal Class A, Add	122.89	
	For Work In Restricted Working Space, Add	115.21	
23 31 13 13-0981	LF 28" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	451.88	237.61
	For Seal Class B, Add	59.40	
	For Seal Class A, Add	126.73	
	For Work In Restricted Working Space, Add	118.81	
23 31 13 13-0982	LF 28" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	465.57	244.81
	For Seal Class B, Add	61.20	
	For Seal Class A, Add	130.57	
	For Work In Restricted Working Space, Add	122.41	
23 31 13 13-0983	LF 28" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	479.26	252.01
	For Seal Class B, Add	63.00	
	For Seal Class A, Add	134.41	
	For Work In Restricted Working Space, Add	126.01	
23 31 13 13-0984	LF 28" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	492.94	259.20
	For Seal Class B, Add	64.80	
	For Seal Class A, Add	138.25	
	For Work In Restricted Working Space, Add	129.61	
23 31 13 13-0985	LF 28" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	506.67	266.41
	For Seal Class B, Add	66.60	
	For Seal Class A, Add	142.09	
	For Work In Restricted Working Space, Add	133.21	
23 31 13 13-0986	LF 28" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	520.34	273.61
	For Seal Class B, Add	68.40	
	For Seal Class A, Add	145.93	
	For Work In Restricted Working Space, Add	136.81	
23 31 13 13-0987	LF 30" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	410.79	216.01
	For Seal Class B, Add	54.00	
	For Seal Class A, Add	115.21	
	For Work In Restricted Working Space, Add	108.01	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0988	LF	30" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	424.49	223.22
		For Seal Class B, Add	55.80	
		For Seal Class A, Add	119.05	
		For Work In Restricted Working Space, Add	111.61	
23 31 13 13-0989	LF	30" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	438.19	230.41
		For Seal Class B, Add	57.60	
		For Seal Class A, Add	122.89	
		For Work In Restricted Working Space, Add	115.21	
23 31 13 13-0990	LF	30" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	451.88	237.61
		For Seal Class B, Add	59.40	
		For Seal Class A, Add	126.73	
		For Work In Restricted Working Space, Add	118.81	
23 31 13 13-0991	LF	30" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	465.57	244.81
		For Seal Class B, Add	61.20	
		For Seal Class A, Add	130.57	
		For Work In Restricted Working Space, Add	122.41	
23 31 13 13-0992	LF	30" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	479.26	252.01
		For Seal Class B, Add	63.00	
		For Seal Class A, Add	134.41	
		For Work In Restricted Working Space, Add	126.01	
23 31 13 13-0993	LF	30" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	492.94	259.20
		For Seal Class B, Add	64.80	
		For Seal Class A, Add	138.25	
		For Work In Restricted Working Space, Add	129.61	
23 31 13 13-0994	LF	30" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	506.67	266.41
		For Seal Class B, Add	66.60	
		For Seal Class A, Add	142.09	
		For Work In Restricted Working Space, Add	133.21	
23 31 13 13-0995	LF	30" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	520.34	273.61
		For Seal Class B, Add	68.40	
		For Seal Class A, Add	145.93	
		For Work In Restricted Working Space, Add	136.81	
23 31 13 13-0996	LF	30" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	534.03	280.83
		For Seal Class B, Add	70.20	
		For Seal Class A, Add	149.77	
		For Work In Restricted Working Space, Add	140.41	
23 31 13 13-0997	LF	32" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	438.19	230.41
		For Seal Class B, Add	57.60	
		For Seal Class A, Add	122.89	
		For Work In Restricted Working Space, Add	115.21	
23 31 13 13-0998	LF	32" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	451.88	237.61
		For Seal Class B, Add	59.40	
		For Seal Class A, Add	126.73	
		For Work In Restricted Working Space, Add	118.81	
23 31 13 13-0999	LF	32" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	465.57	244.81
		For Seal Class B, Add	61.20	
		For Seal Class A, Add	130.57	
		For Work In Restricted Working Space, Add	122.41	
23 31 13 13-1000	LF	32" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	479.26	252.01
		For Seal Class B, Add	63.00	
		For Seal Class A, Add	134.41	
		For Work In Restricted Working Space, Add	126.01	
23 31 13 13-1001	LF	32" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	492.94	259.20
		For Seal Class B, Add	64.80	
		For Seal Class A, Add	138.25	
		For Work In Restricted Working Space, Add	129.61	
23 31 13 13-1002	LF	32" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	506.67	266.41
		For Seal Class B, Add	66.60	
		For Seal Class A, Add	142.09	
		For Work In Restricted Working Space, Add	133.21	
23 31 13 13-1003	LF	32" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	520.34	273.61
		For Seal Class B, Add	68.40	
		For Seal Class A, Add	145.93	
		For Work In Restricted Working Space, Add	136.81	
23 31 13 13-1004	LF	32" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	534.03	280.83
		For Seal Class B, Add	70.20	
		For Seal Class A, Add	149.77	
		For Work In Restricted Working Space, Add	140.41	
23 31 13 13-1005	LF	32" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	547.73	288.02
		For Seal Class B, Add	72.00	
		For Seal Class A, Add	153.61	
		For Work In Restricted Working Space, Add	144.01	
23 31 13 13-1006	LF	34" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	465.57	244.81
		For Seal Class B, Add	61.20	
		For Seal Class A, Add	130.57	
		For Work In Restricted Working Space, Add	122.41	
23 31 13 13-1007	LF	34" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	479.26	252.01
		For Seal Class B, Add	63.00	
		For Seal Class A, Add	134.41	
		For Work In Restricted Working Space, Add	126.01	
23 31 13 13-1008	LF	34" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	492.94	259.20
		For Seal Class B, Add	64.80	
		For Seal Class A, Add	138.25	
		For Work In Restricted Working Space, Add	129.61	
23 31 13 13-1009	LF	34" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	506.67	266.41
		For Seal Class B, Add	66.60	
		For Seal Class A, Add	142.09	
		For Work In Restricted Working Space, Add	133.21	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 31 13 13-1010	LF	34" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	520.34	273.61
		For Seal Class B, Add	68.40	
		For Seal Class A, Add	145.93	
		For Work In Restricted Working Space, Add	136.81	
23 31 13 13-1011	LF	34" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	534.03	280.83
		For Seal Class B, Add	70.20	
		For Seal Class A, Add	149.77	
		For Work In Restricted Working Space, Add	140.41	
23 31 13 13-1012	LF	34" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	547.73	288.02
		For Seal Class B, Add	72.00	
		For Seal Class A, Add	153.61	
		For Work In Restricted Working Space, Add	144.01	
23 31 13 13-1013	LF	34" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	561.40	295.22
		For Seal Class B, Add	73.80	
		For Seal Class A, Add	157.45	
		For Work In Restricted Working Space, Add	147.61	
23 31 13 13-1014	LF	36" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	492.94	259.20
		For Seal Class B, Add	64.80	
		For Seal Class A, Add	138.25	
		For Work In Restricted Working Space, Add	129.61	
23 31 13 13-1015	LF	36" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	506.67	266.41
		For Seal Class B, Add	66.60	
		For Seal Class A, Add	142.09	
		For Work In Restricted Working Space, Add	133.21	
23 31 13 13-1016	LF	36" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	520.34	273.61
		For Seal Class B, Add	68.40	
		For Seal Class A, Add	145.93	
		For Work In Restricted Working Space, Add	136.81	
23 31 13 13-1017	LF	36" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	534.03	280.83
		For Seal Class B, Add	70.20	
		For Seal Class A, Add	149.77	
		For Work In Restricted Working Space, Add	140.41	
23 31 13 13-1018	LF	36" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	547.73	288.02
		For Seal Class B, Add	72.00	
		For Seal Class A, Add	153.61	
		For Work In Restricted Working Space, Add	144.01	
23 31 13 13-1019	LF	36" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	561.40	295.22
		For Seal Class B, Add	73.80	
		For Seal Class A, Add	157.45	
		For Work In Restricted Working Space, Add	147.61	
23 31 13 13-1020	LF	36" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	575.12	302.42
		For Seal Class B, Add	75.60	
		For Seal Class A, Add	161.29	
		For Work In Restricted Working Space, Add	151.21	
23 31 13 13-1021	LF	38" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	520.34	273.61
		For Seal Class B, Add	68.40	
		For Seal Class A, Add	145.93	
		For Work In Restricted Working Space, Add	136.81	
23 31 13 13-1022	LF	38" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	534.03	280.83
		For Seal Class B, Add	70.20	
		For Seal Class A, Add	149.77	
		For Work In Restricted Working Space, Add	140.41	
23 31 13 13-1023	LF	38" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	547.73	288.02
		For Seal Class B, Add	72.00	
		For Seal Class A, Add	153.61	
		For Work In Restricted Working Space, Add	144.01	
23 31 13 13-1024	LF	38" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	561.40	295.22
		For Seal Class B, Add	73.80	
		For Seal Class A, Add	157.45	
		For Work In Restricted Working Space, Add	147.61	
23 31 13 13-1025	LF	38" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	575.12	302.42
		For Seal Class B, Add	75.60	
		For Seal Class A, Add	161.29	
		For Work In Restricted Working Space, Add	151.21	
23 31 13 13-1026	LF	38" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	588.81	309.62
		For Seal Class B, Add	77.40	
		For Seal Class A, Add	165.13	
		For Work In Restricted Working Space, Add	154.81	
23 31 13 13-1027	LF	38" x 50", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	602.50	316.81
		For Seal Class B, Add	79.20	
		For Seal Class A, Add	168.97	
		For Work In Restricted Working Space, Add	158.41	
23 31 13 13-1028	LF	40" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	547.73	288.02
		For Seal Class B, Add	72.00	
		For Seal Class A, Add	153.61	
		For Work In Restricted Working Space, Add	144.01	
23 31 13 13-1029	LF	40" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	561.40	295.22
		For Seal Class B, Add	73.80	
		For Seal Class A, Add	157.45	
		For Work In Restricted Working Space, Add	147.61	
23 31 13 13-1030	LF	40" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	575.12	302.42
		For Seal Class B, Add	75.60	
		For Seal Class A, Add	161.29	
		For Work In Restricted Working Space, Add	151.21	
23 31 13 13-1031	LF	40" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	588.81	309.62
		For Seal Class B, Add	77.40	
		For Seal Class A, Add	165.13	
		For Work In Restricted Working Space, Add	154.81	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1032	LF	40" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	602.50	316.81
		For Seal Class B, Add	79.20	
		For Seal Class A, Add	168.97	
		For Work In Restricted Working Space, Add	158.41	
23 31 13 13-1033	LF	40" x 50", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	616.19	324.02
		For Seal Class B, Add	81.00	
		For Seal Class A, Add	172.81	
		For Work In Restricted Working Space, Add	162.01	
23 31 13 13-1034	LF	40" x 52", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	629.88	331.22
		For Seal Class B, Add	82.80	
		For Seal Class A, Add	176.65	
		For Work In Restricted Working Space, Add	165.61	
23 31 13 13-1035	LF	40" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	643.58	338.41
		For Seal Class B, Add	84.60	
		For Seal Class A, Add	180.49	
		For Work In Restricted Working Space, Add	169.21	
23 31 13 13-1036	LF	40" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	657.28	345.62
		For Seal Class B, Add	86.40	
		For Seal Class A, Add	184.33	
		For Work In Restricted Working Space, Add	172.81	
23 31 13 13-1037	LF	42" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	575.12	302.42
		For Seal Class B, Add	75.60	
		For Seal Class A, Add	161.29	
		For Work In Restricted Working Space, Add	151.21	
23 31 13 13-1038	LF	42" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	588.81	309.62
		For Seal Class B, Add	77.40	
		For Seal Class A, Add	165.13	
		For Work In Restricted Working Space, Add	154.81	
23 31 13 13-1039	LF	42" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	602.50	316.81
		For Seal Class B, Add	79.20	
		For Seal Class A, Add	168.97	
		For Work In Restricted Working Space, Add	158.41	
23 31 13 13-1040	LF	42" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	616.19	324.02
		For Seal Class B, Add	81.00	
		For Seal Class A, Add	172.81	
		For Work In Restricted Working Space, Add	162.01	
23 31 13 13-1041	LF	42" x 50", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	629.88	331.22
		For Seal Class B, Add	82.80	
		For Seal Class A, Add	176.65	
		For Work In Restricted Working Space, Add	165.61	
23 31 13 13-1042	LF	42" x 52", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	643.58	338.41
		For Seal Class B, Add	84.60	
		For Seal Class A, Add	180.49	
		For Work In Restricted Working Space, Add	169.21	
23 31 13 13-1043	LF	42" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	657.28	345.62
		For Seal Class B, Add	86.40	
		For Seal Class A, Add	184.33	
		For Work In Restricted Working Space, Add	172.81	
23 31 13 13-1044	LF	42" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	670.95	352.81
		For Seal Class B, Add	88.20	
		For Seal Class A, Add	188.17	
		For Work In Restricted Working Space, Add	176.41	
23 31 13 13-1045	LF	44" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	602.50	316.81
		For Seal Class B, Add	79.20	
		For Seal Class A, Add	168.97	
		For Work In Restricted Working Space, Add	158.41	
23 31 13 13-1046	LF	44" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	616.19	324.02
		For Seal Class B, Add	81.00	
		For Seal Class A, Add	172.81	
		For Work In Restricted Working Space, Add	162.01	
23 31 13 13-1047	LF	44" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	629.88	331.22
		For Seal Class B, Add	82.80	
		For Seal Class A, Add	176.65	
		For Work In Restricted Working Space, Add	165.61	
23 31 13 13-1048	LF	44" x 50", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	643.58	338.41
		For Seal Class B, Add	84.60	
		For Seal Class A, Add	180.49	
		For Work In Restricted Working Space, Add	169.21	
23 31 13 13-1049	LF	44" x 52", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	657.28	345.62
		For Seal Class B, Add	86.40	
		For Seal Class A, Add	184.33	
		For Work In Restricted Working Space, Add	172.81	
23 31 13 13-1050	LF	44" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	670.95	352.81
		For Seal Class B, Add	88.20	
		For Seal Class A, Add	188.17	
		For Work In Restricted Working Space, Add	176.41	
23 31 13 13-1051	LF	44" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	684.65	360.02
		For Seal Class B, Add	90.00	
		For Seal Class A, Add	192.01	
		For Work In Restricted Working Space, Add	180.01	
23 31 13 13-1052	LF	46" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	629.88	331.22
		For Seal Class B, Add	82.80	
		For Seal Class A, Add	176.65	
		For Work In Restricted Working Space, Add	165.61	
23 31 13 13-1053	LF	46" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	643.58	338.41
		For Seal Class B, Add	84.60	
		For Seal Class A, Add	180.49	
		For Work In Restricted Working Space, Add	169.21	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 31 13 13-1054	LF	46" x 50", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	657.28	345.62
		For Seal Class B, Add	86.40	
		For Seal Class A, Add	184.33	
		For Work In Restricted Working Space, Add	172.81	
23 31 13 13-1055	LF	46" x 52", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	670.95	352.81
		For Seal Class B, Add	88.20	
		For Seal Class A, Add	188.17	
		For Work In Restricted Working Space, Add	176.41	
23 31 13 13-1056	LF	46" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	684.65	360.02
		For Seal Class B, Add	90.00	
		For Seal Class A, Add	192.01	
		For Work In Restricted Working Space, Add	180.01	
23 31 13 13-1057	LF	46" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	710.35	374.42
		For Seal Class B, Add	93.61	
		For Seal Class A, Add	199.69	
		For Work In Restricted Working Space, Add	187.21	
23 31 13 13-1058	LF	46" x 58", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	724.05	381.62
		For Seal Class B, Add	95.40	
		For Seal Class A, Add	203.53	
		For Work In Restricted Working Space, Add	190.81	
23 31 13 13-1059	LF	48" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	657.28	345.62
		For Seal Class B, Add	86.40	
		For Seal Class A, Add	184.33	
		For Work In Restricted Working Space, Add	172.81	
23 31 13 13-1060	LF	48" x 50", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	670.95	352.81
		For Seal Class B, Add	88.20	
		For Seal Class A, Add	188.17	
		For Work In Restricted Working Space, Add	176.41	
23 31 13 13-1061	LF	48" x 52", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	684.65	360.02
		For Seal Class B, Add	90.00	
		For Seal Class A, Add	192.01	
		For Work In Restricted Working Space, Add	180.01	
23 31 13 13-1062	LF	48" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	698.34	367.23
		For Seal Class B, Add	91.80	
		For Seal Class A, Add	195.85	
		For Work In Restricted Working Space, Add	183.61	
23 31 13 13-1063	LF	48" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	712.06	374.42
		For Seal Class B, Add	93.61	
		For Seal Class A, Add	199.69	
		For Work In Restricted Working Space, Add	187.21	
23 31 13 13-1064	LF	48" x 58", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	725.74	381.62
		For Seal Class B, Add	95.40	
		For Seal Class A, Add	203.53	
		For Work In Restricted Working Space, Add	190.81	
23 31 13 13-1065	LF	48" x 60", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	739.43	388.82
		For Seal Class B, Add	97.20	
		For Seal Class A, Add	207.37	
		For Work In Restricted Working Space, Add	194.41	
23 31 13 13-1066	LF	50" x 50", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	684.65	360.02
		For Seal Class B, Add	90.00	
		For Seal Class A, Add	192.01	
		For Work In Restricted Working Space, Add	180.01	
23 31 13 13-1067	LF	50" x 52", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	698.34	367.23
		For Seal Class B, Add	91.80	
		For Seal Class A, Add	195.85	
		For Work In Restricted Working Space, Add	183.61	
23 31 13 13-1068	LF	50" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	712.06	374.42
		For Seal Class B, Add	93.61	
		For Seal Class A, Add	199.69	
		For Work In Restricted Working Space, Add	187.21	
23 31 13 13-1069	LF	50" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	725.74	381.62
		For Seal Class B, Add	95.40	
		For Seal Class A, Add	203.53	
		For Work In Restricted Working Space, Add	190.81	
23 31 13 13-1070	LF	50" x 58", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	739.43	388.82
		For Seal Class B, Add	97.20	
		For Seal Class A, Add	207.37	
		For Work In Restricted Working Space, Add	194.41	
23 31 13 13-1071	LF	50" x 60", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	753.10	396.02
		For Seal Class B, Add	99.00	
		For Seal Class A, Add	211.21	
		For Work In Restricted Working Space, Add	198.01	
23 31 13 13-1072	LF	52" x 52", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	712.06	374.42
		For Seal Class B, Add	93.61	
		For Seal Class A, Add	199.69	
		For Work In Restricted Working Space, Add	187.21	
23 31 13 13-1073	LF	52" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	725.74	381.62
		For Seal Class B, Add	95.40	
		For Seal Class A, Add	203.53	
		For Work In Restricted Working Space, Add	190.81	
23 31 13 13-1074	LF	52" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	739.43	388.82
		For Seal Class B, Add	97.20	
		For Seal Class A, Add	207.37	
		For Work In Restricted Working Space, Add	194.41	
23 31 13 13-1075	LF	52" x 58", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	753.10	396.02
		For Seal Class B, Add	99.00	
		For Seal Class A, Add	211.21	
		For Work In Restricted Working Space, Add	198.01	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1076	LF	52" x 60", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	766.82	403.22
		For Seal Class B, Add	100.81	
		For Seal Class A, Add	215.06	
		For Work In Restricted Working Space, Add	201.62	
23 31 13 13-1077	LF	54" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	739.43	388.82
		For Seal Class B, Add	97.20	
		For Seal Class A, Add	207.37	
		For Work In Restricted Working Space, Add	194.41	
23 31 13 13-1078	LF	54" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	753.10	396.02
		For Seal Class B, Add	99.00	
		For Seal Class A, Add	211.21	
		For Work In Restricted Working Space, Add	198.01	
23 31 13 13-1079	LF	54" x 58", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	766.82	403.22
		For Seal Class B, Add	100.81	
		For Seal Class A, Add	215.06	
		For Work In Restricted Working Space, Add	201.62	
23 31 13 13-1080	LF	54" x 60", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	780.52	410.42
		For Seal Class B, Add	102.61	
		For Seal Class A, Add	218.89	
		For Work In Restricted Working Space, Add	205.21	
23 31 13 13-1081	LF	54" x 62", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	794.21	417.62
		For Seal Class B, Add	104.41	
		For Seal Class A, Add	222.73	
		For Work In Restricted Working Space, Add	208.81	
23 31 13 13-1082	LF	54" x 64", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	807.89	424.81
		For Seal Class B, Add	106.20	
		For Seal Class A, Add	226.57	
		For Work In Restricted Working Space, Add	212.41	
23 31 13 13-1083	LF	56" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	766.82	403.22
		For Seal Class B, Add	100.81	
		For Seal Class A, Add	215.06	
		For Work In Restricted Working Space, Add	201.62	
23 31 13 13-1084	LF	56" x 58", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	780.52	410.42
		For Seal Class B, Add	102.61	
		For Seal Class A, Add	218.89	
		For Work In Restricted Working Space, Add	205.21	
23 31 13 13-1085	LF	56" x 60", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	794.21	417.62
		For Seal Class B, Add	104.41	
		For Seal Class A, Add	222.73	
		For Work In Restricted Working Space, Add	208.81	
23 31 13 13-1086	LF	56" x 62", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	807.89	424.81
		For Seal Class B, Add	106.20	
		For Seal Class A, Add	226.57	
		For Work In Restricted Working Space, Add	212.41	
23 31 13 13-1087	LF	56" x 64", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	821.59	432.02
		For Seal Class B, Add	108.01	
		For Seal Class A, Add	230.41	
		For Work In Restricted Working Space, Add	216.01	
23 31 13 13-1088	LF	58" x 58", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	794.21	417.62
		For Seal Class B, Add	104.41	
		For Seal Class A, Add	222.73	
		For Work In Restricted Working Space, Add	208.81	
23 31 13 13-1089	LF	58" x 60", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	807.89	424.81
		For Seal Class B, Add	106.20	
		For Seal Class A, Add	226.57	
		For Work In Restricted Working Space, Add	212.41	
23 31 13 13-1090	LF	58" x 62", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	821.59	432.02
		For Seal Class B, Add	108.01	
		For Seal Class A, Add	230.41	
		For Work In Restricted Working Space, Add	216.01	
23 31 13 13-1091	LF	58" x 64", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	835.27	439.23
		For Seal Class B, Add	109.81	
		For Seal Class A, Add	234.25	
		For Work In Restricted Working Space, Add	219.61	
23 31 13 13-1092	LF	58" x 66", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	848.98	446.42
		For Seal Class B, Add	111.60	
		For Seal Class A, Add	238.09	
		For Work In Restricted Working Space, Add	223.21	
23 31 13 13-1093	LF	60" x 60", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	821.59	432.02
		For Seal Class B, Add	108.01	
		For Seal Class A, Add	230.41	
		For Work In Restricted Working Space, Add	216.01	
23 31 13 13-1094	LF	60" x 62", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	835.27	439.23
		For Seal Class B, Add	109.81	
		For Seal Class A, Add	234.25	
		For Work In Restricted Working Space, Add	219.61	
23 31 13 13-1095	LF	60" x 64", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	848.98	446.42
		For Seal Class B, Add	111.60	
		For Seal Class A, Add	238.09	
		For Work In Restricted Working Space, Add	223.21	
23 31 13 13-1096	LF	60" x 66", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	862.67	453.63
		For Seal Class B, Add	113.41	
		For Seal Class A, Add	241.93	
		For Work In Restricted Working Space, Add	226.81	
23 31 13 13-1097	LF	60" x 68", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	876.37	460.82
		For Seal Class B, Add	115.21	
		For Seal Class A, Add	245.78	
		For Work In Restricted Working Space, Add	230.42	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 31 13 13-1098	LF	62" x 62", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	848.98	446.42
		For Seal Class B, Add	111.60	
		For Seal Class A, Add	238.09	
		For Work In Restricted Working Space, Add	223.21	
23 31 13 13-1099	LF	62" x 64", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	862.67	453.63
		For Seal Class B, Add	113.41	
		For Seal Class A, Add	241.93	
		For Work In Restricted Working Space, Add	226.81	
23 31 13 13-1100	LF	62" x 66", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	876.37	460.82
		For Seal Class B, Add	115.21	
		For Seal Class A, Add	245.78	
		For Work In Restricted Working Space, Add	230.42	
23 31 13 13-1101	LF	62" x 68", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	890.05	468.02
		For Seal Class B, Add	117.01	
		For Seal Class A, Add	249.61	
		For Work In Restricted Working Space, Add	234.01	
23 31 13 13-1102	LF	62" x 70", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	903.74	475.23
		For Seal Class B, Add	118.81	
		For Seal Class A, Add	253.45	
		For Work In Restricted Working Space, Add	237.61	
23 31 13 13-1103	LF	64" x 64", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	876.37	460.82
		For Seal Class B, Add	115.21	
		For Seal Class A, Add	245.78	
		For Work In Restricted Working Space, Add	230.42	
23 31 13 13-1104	LF	64" x 66", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	890.05	468.02
		For Seal Class B, Add	117.01	
		For Seal Class A, Add	249.61	
		For Work In Restricted Working Space, Add	234.01	
23 31 13 13-1105	LF	64" x 68", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	903.74	475.23
		For Seal Class B, Add	118.81	
		For Seal Class A, Add	253.45	
		For Work In Restricted Working Space, Add	237.61	
23 31 13 13-1106	LF	64" x 70", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	917.45	482.42
		For Seal Class B, Add	120.61	
		For Seal Class A, Add	257.29	
		For Work In Restricted Working Space, Add	241.21	
23 31 13 13-1107	LF	66" x 66", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	903.74	475.23
		For Seal Class B, Add	118.81	
		For Seal Class A, Add	253.45	
		For Work In Restricted Working Space, Add	237.61	
23 31 13 13-1108	LF	66" x 68", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	917.45	482.42
		For Seal Class B, Add	120.61	
		For Seal Class A, Add	257.29	
		For Work In Restricted Working Space, Add	241.21	
23 31 13 13-1109	LF	66" x 70", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	931.14	489.63
		For Seal Class B, Add	122.41	
		For Seal Class A, Add	261.13	
		For Work In Restricted Working Space, Add	244.81	
23 31 13 13-1110	LF	66" x 72", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	944.82	496.82
		For Seal Class B, Add	124.21	
		For Seal Class A, Add	264.97	
		For Work In Restricted Working Space, Add	248.41	
23 31 13 13-1111	LF	68" x 68", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	931.14	489.63
		For Seal Class B, Add	122.41	
		For Seal Class A, Add	261.13	
		For Work In Restricted Working Space, Add	244.81	
23 31 13 13-1112	LF	68" x 70", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	944.82	496.82
		For Seal Class B, Add	124.21	
		For Seal Class A, Add	264.97	
		For Work In Restricted Working Space, Add	248.41	
23 31 13 13-1113	LF	68" x 72", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	958.52	504.02
		For Seal Class B, Add	126.01	
		For Seal Class A, Add	268.82	
		For Work In Restricted Working Space, Add	252.02	
23 31 13 13-1114	LF	68" x 74", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	972.20	511.22
		For Seal Class B, Add	127.81	
		For Seal Class A, Add	272.65	
		For Work In Restricted Working Space, Add	255.61	
23 31 13 13-1115	LF	70" x 70", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	958.52	504.02
		For Seal Class B, Add	126.01	
		For Seal Class A, Add	268.82	
		For Work In Restricted Working Space, Add	252.02	
23 31 13 13-1116	LF	70" x 72", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	972.20	511.22
		For Seal Class B, Add	127.81	
		For Seal Class A, Add	272.65	
		For Work In Restricted Working Space, Add	255.61	
23 31 13 13-1117	LF	70" x 74", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	985.92	518.43
		For Seal Class B, Add	129.61	
		For Seal Class A, Add	276.50	
		For Work In Restricted Working Space, Add	259.22	
23 31 13 13-1118	LF	70" x 76", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	999.61	525.63
		For Seal Class B, Add	131.41	
		For Seal Class A, Add	280.34	
		For Work In Restricted Working Space, Add	262.82	
23 31 13 13-1119	LF	70" x 78", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	1,013.28	532.83
		For Seal Class B, Add	133.21	
		For Seal Class A, Add	284.17	
		For Work In Restricted Working Space, Add	266.41	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1120	LF	70" x 80", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	1,026.97	540.03
		For Seal Class B, Add	135.01	
		For Seal Class A, Add	288.01	
		For Work In Restricted Working Space, Add	270.01	
23 31 13 13-1121	LF	70" x 82", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	1,040.68	547.23
		For Seal Class B, Add	136.81	
		For Seal Class A, Add	291.86	
		For Work In Restricted Working Space, Add	273.62	
23 31 13 13-1122	LF	70" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	1,054.38	554.43
		For Seal Class B, Add	138.61	
		For Seal Class A, Add	295.70	
		For Work In Restricted Working Space, Add	277.22	
23 31 13 13-1123	LF	70" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	1,068.07	561.63
		For Seal Class B, Add	140.41	
		For Seal Class A, Add	299.54	
		For Work In Restricted Working Space, Add	280.82	
23 31 13 13-1124	LF	72" x 72", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	985.92	518.43
		For Seal Class B, Add	129.61	
		For Seal Class A, Add	276.50	
		For Work In Restricted Working Space, Add	259.22	
23 31 13 13-1125	LF	72" x 74", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	999.61	525.63
		For Seal Class B, Add	131.41	
		For Seal Class A, Add	280.34	
		For Work In Restricted Working Space, Add	262.82	
23 31 13 13-1126	LF	72" x 76", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	1,013.28	532.83
		For Seal Class B, Add	133.21	
		For Seal Class A, Add	284.17	
		For Work In Restricted Working Space, Add	266.41	
23 31 13 13-1127	LF	72" x 78", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	1,026.97	540.03
		For Seal Class B, Add	135.01	
		For Seal Class A, Add	288.01	
		For Work In Restricted Working Space, Add	270.01	
23 31 13 13-1128	LF	72" x 80", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	1,040.68	547.23
		For Seal Class B, Add	136.81	
		For Seal Class A, Add	291.86	
		For Work In Restricted Working Space, Add	273.62	
23 31 13 13-1129	LF	72" x 82", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	1,054.38	554.43
		For Seal Class B, Add	138.61	
		For Seal Class A, Add	295.70	
		For Work In Restricted Working Space, Add	277.22	
23 31 13 13-1130	LF	72" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	1,068.07	561.63
		For Seal Class B, Add	140.41	
		For Seal Class A, Add	299.54	
		For Work In Restricted Working Space, Add	280.82	
23 31 13 13-1131	LF	72" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	1,081.76	568.82
		For Seal Class B, Add	142.21	
		For Seal Class A, Add	303.38	
		For Work In Restricted Working Space, Add	284.42	
23 31 13 13-1132	LF	74" x 74", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	1,013.28	532.83
		For Seal Class B, Add	133.21	
		For Seal Class A, Add	284.17	
		For Work In Restricted Working Space, Add	266.41	
23 31 13 13-1133	LF	74" x 76", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	1,026.97	540.03
		For Seal Class B, Add	135.01	
		For Seal Class A, Add	288.01	
		For Work In Restricted Working Space, Add	270.01	
23 31 13 13-1134	LF	74" x 78", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	1,040.68	547.23
		For Seal Class B, Add	136.81	
		For Seal Class A, Add	291.86	
		For Work In Restricted Working Space, Add	273.62	
23 31 13 13-1135	LF	74" x 80", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	1,054.38	554.43
		For Seal Class B, Add	138.61	
		For Seal Class A, Add	295.70	
		For Work In Restricted Working Space, Add	277.22	
23 31 13 13-1136	LF	74" x 82", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	1,068.07	561.63
		For Seal Class B, Add	140.41	
		For Seal Class A, Add	299.54	
		For Work In Restricted Working Space, Add	280.82	
23 31 13 13-1137	LF	74" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	1,081.76	568.82
		For Seal Class B, Add	142.21	
		For Seal Class A, Add	303.38	
		For Work In Restricted Working Space, Add	284.42	
23 31 13 13-1138	LF	74" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	1,095.43	576.03
		For Seal Class B, Add	144.01	
		For Seal Class A, Add	307.21	
		For Work In Restricted Working Space, Add	288.01	
23 31 13 13-1139	LF	76" x 76", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	1,040.68	547.23
		For Seal Class B, Add	136.81	
		For Seal Class A, Add	291.86	
		For Work In Restricted Working Space, Add	273.62	
23 31 13 13-1140	LF	76" x 78", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	1,054.38	554.43
		For Seal Class B, Add	138.61	
		For Seal Class A, Add	295.70	
		For Work In Restricted Working Space, Add	277.22	
23 31 13 13-1141	LF	76" x 80", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	1,068.07	561.63
		For Seal Class B, Add	140.41	
		For Seal Class A, Add	299.54	
		For Work In Restricted Working Space, Add	280.82	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 31 13 13-1142	LF	76" x 82", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	1,081.76	568.82
		For Seal Class B, Add	142.21	
		For Seal Class A, Add	303.38	
		For Work In Restricted Working Space, Add	284.42	
23 31 13 13-1143	LF	76" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	1,095.43	576.03
		For Seal Class B, Add	144.01	
		For Seal Class A, Add	307.21	
		For Work In Restricted Working Space, Add	288.01	
23 31 13 13-1144	LF	76" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	1,109.13	583.22
		For Seal Class B, Add	145.81	
		For Seal Class A, Add	311.06	
		For Work In Restricted Working Space, Add	291.62	
23 31 13 13-1145	LF	78" x 78", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	1,068.07	561.63
		For Seal Class B, Add	140.41	
		For Seal Class A, Add	299.54	
		For Work In Restricted Working Space, Add	280.82	
23 31 13 13-1146	LF	78" x 80", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	1,081.76	568.82
		For Seal Class B, Add	142.21	
		For Seal Class A, Add	303.38	
		For Work In Restricted Working Space, Add	284.42	
23 31 13 13-1147	LF	78" x 82", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	1,095.43	576.03
		For Seal Class B, Add	144.01	
		For Seal Class A, Add	307.21	
		For Work In Restricted Working Space, Add	288.01	
23 31 13 13-1148	LF	78" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	1,109.13	583.22
		For Seal Class B, Add	145.81	
		For Seal Class A, Add	311.06	
		For Work In Restricted Working Space, Add	291.62	
23 31 13 13-1149	LF	78" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	1,122.83	590.42
		For Seal Class B, Add	147.61	
		For Seal Class A, Add	314.89	
		For Work In Restricted Working Space, Add	295.21	
23 31 13 13-1150	LF	80" x 80", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	1,095.43	576.03
		For Seal Class B, Add	144.01	
		For Seal Class A, Add	307.21	
		For Work In Restricted Working Space, Add	288.01	
23 31 13 13-1151	LF	80" x 82", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	1,109.13	583.22
		For Seal Class B, Add	145.81	
		For Seal Class A, Add	311.06	
		For Work In Restricted Working Space, Add	291.62	
23 31 13 13-1152	LF	80" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	1,122.83	590.42
		For Seal Class B, Add	147.61	
		For Seal Class A, Add	314.89	
		For Work In Restricted Working Space, Add	295.21	
23 31 13 13-1153	LF	80" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	1,148.53	604.84
		For Seal Class B, Add	151.21	
		For Seal Class A, Add	322.58	
		For Work In Restricted Working Space, Add	302.42	
23 31 13 13-1154	LF	82" x 82", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	1,122.83	590.42
		For Seal Class B, Add	147.61	
		For Seal Class A, Add	314.89	
		For Work In Restricted Working Space, Add	295.21	
23 31 13 13-1155	LF	82" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	1,136.53	597.64
		For Seal Class B, Add	149.41	
		For Seal Class A, Add	318.74	
		For Work In Restricted Working Space, Add	298.82	
23 31 13 13-1156	LF	82" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	1,150.22	604.84
		For Seal Class B, Add	151.21	
		For Seal Class A, Add	322.58	
		For Work In Restricted Working Space, Add	302.42	
23 31 13 13-1157	LF	84" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	1,150.22	604.84
		For Seal Class B, Add	151.21	
		For Seal Class A, Add	322.58	
		For Work In Restricted Working Space, Add	302.42	
23 31 13 13-1158	LF	84" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	1,163.92	612.03
		For Seal Class B, Add	153.01	
		For Seal Class A, Add	326.42	
		For Work In Restricted Working Space, Add	306.02	
23 31 13 13-1159	LF	86" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	1,177.59	619.24
		For Seal Class B, Add	154.81	
		For Seal Class A, Add	330.26	
		For Work In Restricted Working Space, Add	309.62	

23 31 13 16 Round and Flat-Oval Spiral Ducts (23 31 13)**23 31 13 16-0001 Low Pressure Round And Flat-Oval Duct** (23 31 13 16)

Note: 7" diameter round = 4" x 11.85" flat oval. 8" diameter round = 4" x 15" flat oval. 10" diameter round = 4" x 25.99" or 6" x 15.42" or 8" x 11.14" flat oval. 12" diameter round = 6" x 23.28" or 8" x 15.85" flat oval. 14" diameter round = 6" x 32.70" or 8" x 22.14" or 10" x 17.85" or 12" x 15.14" flat oval. 16" diameter round = 6" x 43.70" or 8" x 29.99" or 10" x 24.14" or 12" x 19.85" or 14" x 17.14" flat oval. 18" diameter round = 6" x 59.41" or 8" x 39.42" or 10" x 30.42" or 12" x 24.57" or 14" x 21.85" or 16" x 19.14" flat oval. 20" diameter round = 8" x 51.98" or 10" x 38.27" or 12" x 30.85" or 14" x 26.57" or 16" x 23.85" or 18" x 21.14" flat oval. Includes sealing the joints by tape, mastic, or spray on sealer.

23 31 13 16-0002 Galvanized Sheet Metal Round And Flat-Oval Ducts (23 31 13 16-0001)

Note: Includes straps and supports.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0003	LF		4" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct.....	10.31	3.89
			For Seal Class B, Add	1.19	
			For Seal Class A, Add	3.18	
			For Up To 20', Add	0.71	
			For >20' To 50', Add	0.28	
			For >200' To 500', Deduct	-0.18	
			For >500', Deduct	-0.30	
			For 28 Gauge, Deduct	-0.33	
			For 24 Gauge, Add	0.33	
			For 18 Gauge, Add	1.30	
			For 20 Gauge, Add	0.98	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.75	
			For 16 Gauge, Add	1.59	
			For 22 Gauge, Add	0.65	
			For Work In Restricted Working Space, Add	2.39	
			For Elevated Installation >10' To 15', Add	0.80	
			For Elevated Installation >15' To 20', Add	1.59	
			For Elevated Installation >20' To 25', Add	1.99	
			For Elevated Installation >25' To 30', Add	2.78	
			For Elevated Installation >30' To 35', Add	3.18	
			For Elevated Installation >35' To 40', Add	3.98	
			For Elevated Installation >40', Add	4.37	
23 31 13 16-0004	LF		5" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct.....	11.82	4.41
			For Seal Class B, Add	1.32	
			For Seal Class A, Add	3.53	
			For Up To 20', Add	0.90	
			For >20' To 50', Add	0.36	
			For >200' To 500', Deduct	-0.22	
			For >500', Deduct	-0.37	
			For 28 Gauge, Deduct	-0.41	
			For 24 Gauge, Add	0.41	
			For 18 Gauge, Add	1.64	
			For 20 Gauge, Add	1.24	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.21	
			For 16 Gauge, Add	2.02	
			For 22 Gauge, Add	0.82	
			For Work In Restricted Working Space, Add	2.65	
			For Elevated Installation >10' To 15', Add	0.88	
			For Elevated Installation >15' To 20', Add	1.77	
			For Elevated Installation >20' To 25', Add	2.21	
			For Elevated Installation >25' To 30', Add	3.09	
			For Elevated Installation >30' To 35', Add	3.53	
			For Elevated Installation >35' To 40', Add	4.42	
			For Elevated Installation >40', Add	4.86	
23 31 13 16-0005	LF		6" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct.....	13.38	5.29
			For Seal Class B, Add	1.49	
			For Seal Class A, Add	3.97	
			For Up To 20', Add	1.04	
			For >20' To 50', Add	0.41	
			For >200' To 500', Deduct	-0.26	
			For >500', Deduct	-0.43	
			For 28 Gauge, Deduct	-0.48	
			For 24 Gauge, Add	0.48	
			For 18 Gauge, Add	1.90	
			For 20 Gauge, Add	1.43	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.55	
			For 16 Gauge, Add	2.33	
			For 22 Gauge, Add	0.95	
			For Work In Restricted Working Space, Add	2.98	
			For Elevated Installation >10' To 15', Add	0.99	
			For Elevated Installation >15' To 20', Add	1.99	
			For Elevated Installation >20' To 25', Add	2.48	
			For Elevated Installation >25' To 30', Add	3.48	
			For Elevated Installation >30' To 35', Add	3.97	
			For Elevated Installation >35' To 40', Add	4.97	
			For Elevated Installation >40', Add	5.46	
23 31 13 16-0006	LF		7" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct.....	15.07	6.18
			For Seal Class B, Add	1.70	
			For Seal Class A, Add	4.54	
			For Up To 20', Add	1.12	
			For >20' To 50', Add	0.45	
			For >200' To 500', Deduct	-0.28	
			For >500', Deduct	-0.47	
			For 28 Gauge, Deduct	-0.52	
			For 24 Gauge, Add	0.51	
			For 18 Gauge, Add	2.05	
			For 20 Gauge, Add	1.54	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.75	
			For 16 Gauge, Add	2.51	
			For 22 Gauge, Add	1.02	
			For Work In Restricted Working Space, Add	3.41	
			For Elevated Installation >10' To 15', Add	1.14	
			For Elevated Installation >15' To 20', Add	2.27	
			For Elevated Installation >20' To 25', Add	2.84	
			For Elevated Installation >25' To 30', Add	3.97	
			For Elevated Installation >30' To 35', Add	4.54	
			For Elevated Installation >35' To 40', Add	5.68	
			For Elevated Installation >40', Add	6.24	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 31 13 16-0007	LF 8" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct.....	17.23	7.06
	For Seal Class B, Add	1.99	
	For Seal Class A, Add	5.30	
	For Up To 20', Add	1.20	
	For >20' To 50', Add	0.48	
	For >200' To 500', Deduct	-0.30	
	For >500', Deduct	-0.50	
	For 28 Gauge, Deduct	-0.55	
	For 24 Gauge, Add	0.55	
	For 18 Gauge, Add	2.19	
	For 20 Gauge, Add	1.65	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.95	
	For 16 Gauge, Add	2.69	
	For 22 Gauge, Add	1.10	
	For Work In Restricted Working Space, Add	3.97	
	For Elevated Installation >10' To 15', Add	1.32	
	For Elevated Installation >15' To 20', Add	2.65	
	For Elevated Installation >20' To 25', Add	3.31	
	For Elevated Installation >25' To 30', Add	4.63	
	For Elevated Installation >30' To 35', Add	5.30	
	For Elevated Installation >35' To 40', Add	6.62	
	For Elevated Installation >40', Add	7.28	
23 31 13 16-0008	LF 10" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct.....	21.69	8.83
	For Seal Class B, Add	2.38	
	For Seal Class A, Add	6.35	
	For Up To 20', Add	1.74	
	For >20' To 50', Add	0.70	
	For >200' To 500', Deduct	-0.44	
	For >500', Deduct	-0.73	
	For 28 Gauge, Deduct	-0.80	
	For 24 Gauge, Add	0.80	
	For 18 Gauge, Add	3.20	
	For 20 Gauge, Add	2.41	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.30	
	For 16 Gauge, Add	3.92	
	For 22 Gauge, Add	1.60	
	For Work In Restricted Working Space, Add	4.76	
	For Elevated Installation >10' To 15', Add	1.59	
	For Elevated Installation >15' To 20', Add	3.18	
	For Elevated Installation >20' To 25', Add	3.97	
	For Elevated Installation >25' To 30', Add	5.56	
	For Elevated Installation >30' To 35', Add	6.35	
	For Elevated Installation >35' To 40', Add	7.94	
	For Elevated Installation >40', Add	8.73	
23 31 13 16-0009	LF 12" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct.....	26.66	11.83
	For Seal Class B, Add	2.98	
	For Seal Class A, Add	7.94	
	For Up To 20', Add	2.04	
	For >20' To 50', Add	0.82	
	For >200' To 500', Deduct	-0.51	
	For >500', Deduct	-0.85	
	For 28 Gauge, Deduct	-0.94	
	For 24 Gauge, Add	0.94	
	For 18 Gauge, Add	3.74	
	For 20 Gauge, Add	2.82	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.03	
	For 16 Gauge, Add	4.59	
	For 22 Gauge, Add	1.87	
	For Work In Restricted Working Space, Add	5.96	
	For Elevated Installation >10' To 15', Add	1.99	
	For Elevated Installation >15' To 20', Add	3.97	
	For Elevated Installation >20' To 25', Add	4.97	
	For Elevated Installation >25' To 30', Add	6.95	
	For Elevated Installation >30' To 35', Add	7.94	
	For Elevated Installation >35' To 40', Add	9.93	
	For Elevated Installation >40', Add	10.92	
23 31 13 16-0010	LF 14" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct.....	32.54	17.65
	For Seal Class B, Add	3.72	
	For Seal Class A, Add	9.93	
	For Up To 20', Add	2.31	
	For >20' To 50', Add	0.93	
	For >200' To 500', Deduct	-0.58	
	For >500', Deduct	-0.96	
	For 28 Gauge, Deduct	-1.07	
	For 24 Gauge, Add	1.06	
	For 18 Gauge, Add	4.24	
	For 20 Gauge, Add	3.19	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.71	
	For 16 Gauge, Add	5.20	
	For 22 Gauge, Add	2.12	
	For Work In Restricted Working Space, Add	7.45	
	For Elevated Installation >10' To 15', Add	2.48	
	For Elevated Installation >15' To 20', Add	4.97	
	For Elevated Installation >20' To 25', Add	6.21	
	For Elevated Installation >25' To 30', Add	8.69	
	For Elevated Installation >30' To 35', Add	9.93	
	For Elevated Installation >35' To 40', Add	12.42	
	For Elevated Installation >40', Add	13.66	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0011	LF	16" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct.....	43.70	23.65
		For Seal Class B, Add	4.97	
		For Seal Class A, Add	13.24	
		For Up To 20', Add	3.18	
		For >20' To 50', Add	1.27	
		For >200' To 500', Deduct	-0.80	
		For >500', Deduct	-1.33	
		For 28 Gauge, Deduct	-1.47	
		For 24 Gauge, Add	1.46	
		For 18 Gauge, Add	5.83	
		For 20 Gauge, Add	4.39	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	7.84	
		For 16 Gauge, Add	7.16	
		For 22 Gauge, Add	2.92	
		For Work In Restricted Working Space, Add	9.93	
		For Elevated Installation >10' To 15', Add	3.31	
		For Elevated Installation >15' To 20', Add	6.62	
		For Elevated Installation >20' To 25', Add	8.28	
		For Elevated Installation >25' To 30', Add	11.59	
		For Elevated Installation >30' To 35', Add	13.24	
		For Elevated Installation >35' To 40', Add	16.55	
		For Elevated Installation >40', Add	18.21	
23 31 13 16-0012	LF	18" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct.....	60.21	28.42
		For Up To 20', Add	6.15	
		For >20' To 50', Add	2.46	
		For >200' To 500', Deduct	-1.54	
		For >500', Deduct	-2.56	
		For 28 Gauge, Deduct	-2.84	
		For 24 Gauge, Add	2.83	
		For 18 Gauge, Add	11.27	
		For 20 Gauge, Add	8.48	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	15.16	
		For 16 Gauge, Add	13.83	
		For 22 Gauge, Add	5.64	
		For Work In Restricted Working Space, Add	11.92	
		For Elevated Installation >10' To 15', Add	3.97	
		For Elevated Installation >15' To 20', Add	7.94	
		For Elevated Installation >20' To 25', Add	9.93	
		For Elevated Installation >25' To 30', Add	13.90	
		For Elevated Installation >30' To 35', Add	15.89	
		For Elevated Installation >35' To 40', Add	19.86	
		For Elevated Installation >40', Add	21.85	
23 31 13 16-0013	LF	20" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct.....	68.77	32.83
		For Up To 20', Add	6.86	
		For >20' To 50', Add	2.74	
		For >200' To 500', Deduct	-1.72	
		For >500', Deduct	-2.86	
		For 28 Gauge, Deduct	-3.17	
		For 24 Gauge, Add	3.16	
		For 18 Gauge, Add	12.58	
		For 20 Gauge, Add	9.47	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	16.92	
		For 16 Gauge, Add	15.44	
		For 22 Gauge, Add	6.30	
		For Work In Restricted Working Space, Add	13.77	
		For Elevated Installation >10' To 15', Add	4.59	
		For Elevated Installation >15' To 20', Add	9.18	
		For Elevated Installation >20' To 25', Add	11.48	
		For Elevated Installation >25' To 30', Add	16.07	
		For Elevated Installation >30' To 35', Add	18.36	
		For Elevated Installation >35' To 40', Add	22.95	
		For Elevated Installation >40', Add	25.25	
23 31 13 16-0014		Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbows (23 31 13 16-0001)		
		Note: Up to 90 degree.		
23 31 13 16-0015	EA	4" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow.....	53.88	23.57
		For Seal Class B, Add	7.07	
		For Seal Class A, Add	18.85	
		For 28 Gauge, Deduct	-0.93	
		For 24 Gauge, Add	0.93	
		For 18 Gauge, Add	3.71	
		For 20 Gauge, Add	2.79	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.00	
		For 16 Gauge, Add	4.56	
		For 22 Gauge, Add	1.86	
		For Work In Restricted Working Space, Add	14.14	
		For Elevated Installation >10' To 15', Add	4.71	
		For Elevated Installation >15' To 20', Add	9.43	
		For Elevated Installation >20' To 25', Add	11.78	
		For Elevated Installation >25' To 30', Add	16.50	
		For Elevated Installation >30' To 35', Add	18.85	
		For Elevated Installation >35' To 40', Add	23.57	
		For Elevated Installation >40', Add	25.92	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 31 13 16-0016	EA	5" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	61.73	27.19
		For Seal Class B, Add	8.16	
		For Seal Class A, Add	21.75	
		For 28 Gauge, Deduct	-1.02	
		For 24 Gauge, Add	1.01	
		For 18 Gauge, Add	4.04	
		For 20 Gauge, Add	3.04	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.44	
		For 16 Gauge, Add	4.96	
		For 22 Gauge, Add	2.02	
		For Work In Restricted Working Space, Add	16.31	
		For Elevated Installation >10' To 15', Add	5.44	
		For Elevated Installation >15' To 20', Add	10.88	
		For Elevated Installation >20' To 25', Add	13.60	
		For Elevated Installation >25' To 30', Add	19.03	
		For Elevated Installation >30' To 35', Add	21.75	
		For Elevated Installation >35' To 40', Add	27.19	
		For Elevated Installation >40', Add	29.91	
23 31 13 16-0017	EA	6" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	72.52	32.13
		For Seal Class B, Add	9.64	
		For Seal Class A, Add	25.70	
		For 28 Gauge, Deduct	-1.14	
		For 24 Gauge, Add	1.14	
		For 18 Gauge, Add	4.54	
		For 20 Gauge, Add	3.42	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.11	
		For 16 Gauge, Add	5.58	
		For 22 Gauge, Add	2.28	
		For Work In Restricted Working Space, Add	19.28	
		For Elevated Installation >10' To 15', Add	6.43	
		For Elevated Installation >15' To 20', Add	12.85	
		For Elevated Installation >20' To 25', Add	16.07	
		For Elevated Installation >25' To 30', Add	22.49	
		For Elevated Installation >30' To 35', Add	25.70	
		For Elevated Installation >35' To 40', Add	32.13	
		For Elevated Installation >40', Add	35.34	
23 31 13 16-0018	EA	7" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	92.78	41.31
		For Seal Class B, Add	12.39	
		For Seal Class A, Add	33.05	
		For 28 Gauge, Deduct	-1.41	
		For 24 Gauge, Add	1.40	
		For 18 Gauge, Add	5.59	
		For 20 Gauge, Add	4.21	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	7.52	
		For 16 Gauge, Add	6.86	
		For 22 Gauge, Add	2.80	
		For Work In Restricted Working Space, Add	24.79	
		For Elevated Installation >10' To 15', Add	8.26	
		For Elevated Installation >15' To 20', Add	16.52	
		For Elevated Installation >20' To 25', Add	20.66	
		For Elevated Installation >25' To 30', Add	28.92	
		For Elevated Installation >30' To 35', Add	33.05	
		For Elevated Installation >35' To 40', Add	41.31	
		For Elevated Installation >40', Add	45.44	
23 31 13 16-0019	EA	8" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	111.59	50.32
		For Seal Class B, Add	15.09	
		For Seal Class A, Add	40.25	
		For 28 Gauge, Deduct	-1.52	
		For 24 Gauge, Add	1.51	
		For 18 Gauge, Add	6.03	
		For 20 Gauge, Add	4.54	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	8.12	
		For 16 Gauge, Add	7.40	
		For 22 Gauge, Add	3.02	
		For Work In Restricted Working Space, Add	30.19	
		For Elevated Installation >10' To 15', Add	10.06	
		For Elevated Installation >15' To 20', Add	20.12	
		For Elevated Installation >20' To 25', Add	25.16	
		For Elevated Installation >25' To 30', Add	35.22	
		For Elevated Installation >30' To 35', Add	40.25	
		For Elevated Installation >35' To 40', Add	50.31	
		For Elevated Installation >40', Add	55.34	
23 31 13 16-0020	EA	10" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	171.60	78.56
		For Seal Class B, Add	23.57	
		For Seal Class A, Add	62.85	
		For 28 Gauge, Deduct	-2.01	
		For 24 Gauge, Add	2.00	
		For 18 Gauge, Add	7.96	
		For 20 Gauge, Add	5.99	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	10.72	
		For 16 Gauge, Add	9.77	
		For 22 Gauge, Add	3.99	
		For Work In Restricted Working Space, Add	47.14	
		For Elevated Installation >10' To 15', Add	15.71	
		For Elevated Installation >15' To 20', Add	31.42	
		For Elevated Installation >20' To 25', Add	39.28	
		For Elevated Installation >25' To 30', Add	54.99	
		For Elevated Installation >30' To 35', Add	62.85	
		For Elevated Installation >35' To 40', Add	78.56	
		For Elevated Installation >40', Add	86.42	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0021	EA	12" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	236.75	108.57	
		For Seal Class B, Add	32.57		
		For Seal Class A, Add	86.86		
		For 28 Gauge, Deduct	-2.72		
		For 24 Gauge, Add	2.71		
		For 18 Gauge, Add	10.79		
		For 20 Gauge, Add	8.12		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	14.51		
		For 16 Gauge, Add	13.24		
		For 22 Gauge, Add	5.40		
		For Work In Restricted Working Space, Add	65.14		
		For Elevated Installation >10' To 15', Add	21.71		
		For Elevated Installation >15' To 20', Add	43.43		
		For Elevated Installation >20' To 25', Add	54.29		
		For Elevated Installation >25' To 30', Add	76.00		
		For Elevated Installation >30' To 35', Add	86.86		
		For Elevated Installation >35' To 40', Add	108.57		
		For Elevated Installation >40', Add	119.43		
23 31 13 16-0022	EA	14" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	286.93	128.43	
		For Seal Class B, Add	38.53		
		For Seal Class A, Add	102.74		
		For 28 Gauge, Deduct	-4.16		
		For 24 Gauge, Add	4.15		
		For 18 Gauge, Add	16.54		
		For 20 Gauge, Add	12.45		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	22.25		
		For 16 Gauge, Add	20.30		
		For 22 Gauge, Add	8.28		
		For Work In Restricted Working Space, Add	77.06		
		For Elevated Installation >10' To 15', Add	25.69		
		For Elevated Installation >15' To 20', Add	51.37		
		For Elevated Installation >20' To 25', Add	64.22		
		For Elevated Installation >25' To 30', Add	89.90		
		For Elevated Installation >30' To 35', Add	102.74		
		For Elevated Installation >35' To 40', Add	128.43		
		For Elevated Installation >40', Add	141.27		
23 31 13 16-0023	EA	16" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	325.55	141.22	
		For Seal Class B, Add	42.37		
		For Seal Class A, Add	112.98		
		For 28 Gauge, Deduct	-5.97		
		For 24 Gauge, Add	5.95		
		For 18 Gauge, Add	23.70		
		For 20 Gauge, Add	17.84		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	31.89		
		For 16 Gauge, Add	29.09		
		For 22 Gauge, Add	11.87		
		For Work In Restricted Working Space, Add	84.74		
		For Elevated Installation >10' To 15', Add	28.25		
		For Elevated Installation >15' To 20', Add	56.49		
		For Elevated Installation >20' To 25', Add	70.62		
		For Elevated Installation >25' To 30', Add	98.86		
		For Elevated Installation >30' To 35', Add	112.98		
		For Elevated Installation >35' To 40', Add	141.23		
		For Elevated Installation >40', Add	155.35		
23 31 13 16-0024	EA	18" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	358.44	146.97	
		For Seal Class B, Add	44.09		
		For Seal Class A, Add	117.57		
		For 28 Gauge, Deduct	-8.93		
		For 24 Gauge, Add	8.90		
		For 18 Gauge, Add	35.48		
		For 20 Gauge, Add	26.71		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	47.74		
		For 16 Gauge, Add	43.54		
		For 22 Gauge, Add	17.77		
		For Work In Restricted Working Space, Add	88.18		
		For Elevated Installation >10' To 15', Add	29.39		
		For Elevated Installation >15' To 20', Add	58.79		
		For Elevated Installation >20' To 25', Add	73.48		
		For Elevated Installation >25' To 30', Add	102.88		
		For Elevated Installation >30' To 35', Add	117.57		
		For Elevated Installation >35' To 40', Add	146.97		
		For Elevated Installation >40', Add	161.66		
23 31 13 16-0025	EA	20" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	389.65	151.82	
		For Seal Class B, Add	45.54		
		For Seal Class A, Add	121.45		
		For 28 Gauge, Deduct	-11.91		
		For 24 Gauge, Add	11.87		
		For 18 Gauge, Add	47.31		
		For 20 Gauge, Add	35.61		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	63.65		
		For 16 Gauge, Add	58.06		
		For 22 Gauge, Add	23.70		
		For Work In Restricted Working Space, Add	91.09		
		For Elevated Installation >10' To 15', Add	30.36		
		For Elevated Installation >15' To 20', Add	60.73		
		For Elevated Installation >20' To 25', Add	75.91		
		For Elevated Installation >25' To 30', Add	106.27		
		For Elevated Installation >30' To 35', Add	121.45		
		For Elevated Installation >35' To 40', Add	151.82		
		For Elevated Installation >40', Add	167.00		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 31 13 16-0026	Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbows (23 31 13 16-0001)		
23 31 13 16-0027	EA 4" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	45.39	15.88
	For Seal Class B, Add	5.96	
	For Seal Class A, Add	15.89	
	For 28 Gauge, Deduct	-0.79	
	For 24 Gauge, Add	0.78	
	For 18 Gauge, Add	3.12	
	For 20 Gauge, Add	2.35	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.20	
	For 16 Gauge, Add	3.83	
	For 22 Gauge, Add	1.56	
	For Work In Restricted Working Space, Add	11.92	
	For Elevated Installation >10' To 15', Add	3.97	
	For Elevated Installation >15' To 20', Add	7.94	
	For Elevated Installation >20' To 25', Add	9.93	
	For Elevated Installation >25' To 30', Add	13.90	
	For Elevated Installation >30' To 35', Add	15.89	
	For Elevated Installation >35' To 40', Add	19.86	
	For Elevated Installation >40', Add	21.85	
23 31 13 16-0028	EA 5" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	51.86	18.19
	For Seal Class B, Add	6.81	
	For Seal Class A, Add	18.16	
	For 28 Gauge, Deduct	-0.90	
	For 24 Gauge, Add	0.89	
	For 18 Gauge, Add	3.56	
	For 20 Gauge, Add	2.68	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.79	
	For 16 Gauge, Add	4.37	
	For 22 Gauge, Add	1.78	
	For Work In Restricted Working Space, Add	13.62	
	For Elevated Installation >10' To 15', Add	4.54	
	For Elevated Installation >15' To 20', Add	9.08	
	For Elevated Installation >20' To 25', Add	11.35	
	For Elevated Installation >25' To 30', Add	15.89	
	For Elevated Installation >30' To 35', Add	18.16	
	For Elevated Installation >35' To 40', Add	22.70	
	For Elevated Installation >40', Add	24.96	
23 31 13 16-0029	EA 6" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	60.33	21.18
	For Seal Class B, Add	7.94	
	For Seal Class A, Add	21.18	
	For 28 Gauge, Deduct	-1.02	
	For 24 Gauge, Add	1.02	
	For 18 Gauge, Add	4.05	
	For 20 Gauge, Add	3.05	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.45	
	For 16 Gauge, Add	4.97	
	For 22 Gauge, Add	2.03	
	For Work In Restricted Working Space, Add	15.89	
	For Elevated Installation >10' To 15', Add	5.30	
	For Elevated Installation >15' To 20', Add	10.59	
	For Elevated Installation >20' To 25', Add	13.24	
	For Elevated Installation >25' To 30', Add	18.54	
	For Elevated Installation >30' To 35', Add	21.18	
	For Elevated Installation >35' To 40', Add	26.48	
	For Elevated Installation >40', Add	29.13	
23 31 13 16-0030	EA 7" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	71.36	25.42
	For Seal Class B, Add	9.53	
	For Seal Class A, Add	25.42	
	For 28 Gauge, Deduct	-1.08	
	For 24 Gauge, Add	1.08	
	For 18 Gauge, Add	4.30	
	For 20 Gauge, Add	3.23	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.78	
	For 16 Gauge, Add	5.27	
	For 22 Gauge, Add	2.15	
	For Work In Restricted Working Space, Add	19.07	
	For Elevated Installation >10' To 15', Add	6.36	
	For Elevated Installation >15' To 20', Add	12.71	
	For Elevated Installation >20' To 25', Add	15.89	
	For Elevated Installation >25' To 30', Add	22.24	
	For Elevated Installation >30' To 35', Add	25.42	
	For Elevated Installation >35' To 40', Add	31.78	
	For Elevated Installation >40', Add	34.95	
23 31 13 16-0031	EA 8" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	88.50	31.78
	For Seal Class B, Add	11.92	
	For Seal Class A, Add	31.78	
	For 28 Gauge, Deduct	-1.25	
	For 24 Gauge, Add	1.25	
	For 18 Gauge, Add	4.98	
	For 20 Gauge, Add	3.75	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.70	
	For 16 Gauge, Add	6.12	
	For 22 Gauge, Add	2.50	
	For Work In Restricted Working Space, Add	23.83	
	For Elevated Installation >10' To 15', Add	7.94	
	For Elevated Installation >15' To 20', Add	15.89	
	For Elevated Installation >20' To 25', Add	19.86	
	For Elevated Installation >25' To 30', Add	27.80	
	For Elevated Installation >30' To 35', Add	31.78	
	For Elevated Installation >35' To 40', Add	39.72	
	For Elevated Installation >40', Add	43.69	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0032	EA		10" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	118.86	42.37
			For Seal Class B, Add	15.89	
			For Seal Class A, Add	42.37	
			For 28 Gauge, Deduct	-1.79	
			For 24 Gauge, Add	1.79	
			For 18 Gauge, Add	7.12	
			For 20 Gauge, Add	5.36	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	9.58	
			For 16 Gauge, Add	8.73	
			For 22 Gauge, Add	3.56	
			For Work In Restricted Working Space, Add	31.78	
			For Elevated Installation >10' To 15', Add	10.59	
			For Elevated Installation >15' To 20', Add	21.18	
			For Elevated Installation >20' To 25', Add	26.48	
			For Elevated Installation >25' To 30', Add	37.07	
			For Elevated Installation >30' To 35', Add	42.37	
			For Elevated Installation >35' To 40', Add	52.96	
			For Elevated Installation >40', Add	58.26	
23 31 13 16-0033	EA		12" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	176.01	63.55
			For Seal Class B, Add	23.83	
			For Seal Class A, Add	63.56	
			For 28 Gauge, Deduct	-2.37	
			For 24 Gauge, Add	2.36	
			For 18 Gauge, Add	9.42	
			For 20 Gauge, Add	7.09	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	12.67	
			For 16 Gauge, Add	11.56	
			For 22 Gauge, Add	4.72	
			For Work In Restricted Working Space, Add	47.67	
			For Elevated Installation >10' To 15', Add	15.89	
			For Elevated Installation >15' To 20', Add	31.78	
			For Elevated Installation >20' To 25', Add	39.72	
			For Elevated Installation >25' To 30', Add	55.61	
			For Elevated Installation >30' To 35', Add	63.56	
			For Elevated Installation >35' To 40', Add	79.45	
			For Elevated Installation >40', Add	87.39	
23 31 13 16-0034	EA		14" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	235.07	81.20
			For Seal Class B, Add	30.45	
			For Seal Class A, Add	81.20	
			For 28 Gauge, Deduct	-4.44	
			For 24 Gauge, Add	4.42	
			For 18 Gauge, Add	17.63	
			For 20 Gauge, Add	13.27	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	23.72	
			For 16 Gauge, Add	21.64	
			For 22 Gauge, Add	8.83	
			For Work In Restricted Working Space, Add	60.90	
			For Elevated Installation >10' To 15', Add	20.30	
			For Elevated Installation >15' To 20', Add	40.60	
			For Elevated Installation >20' To 25', Add	50.75	
			For Elevated Installation >25' To 30', Add	71.05	
			For Elevated Installation >30' To 35', Add	81.20	
			For Elevated Installation >35' To 40', Add	101.51	
			For Elevated Installation >40', Add	111.66	
23 31 13 16-0035	EA		16" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	295.21	102.39
			For Seal Class B, Add	38.40	
			For Seal Class A, Add	102.39	
			For 28 Gauge, Deduct	-5.43	
			For 24 Gauge, Add	5.41	
			For 18 Gauge, Add	21.58	
			For 20 Gauge, Add	16.24	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	29.03	
			For 16 Gauge, Add	26.48	
			For 22 Gauge, Add	10.81	
			For Work In Restricted Working Space, Add	76.79	
			For Elevated Installation >10' To 15', Add	25.60	
			For Elevated Installation >15' To 20', Add	51.20	
			For Elevated Installation >20' To 25', Add	64.00	
			For Elevated Installation >25' To 30', Add	89.59	
			For Elevated Installation >30' To 35', Add	102.39	
			For Elevated Installation >35' To 40', Add	127.99	
			For Elevated Installation >40', Add	140.79	
23 31 13 16-0036	EA		18" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	327.50	106.80
			For Seal Class B, Add	39.99	
			For Seal Class A, Add	106.63	
			For 28 Gauge, Deduct	-8.44	
			For 24 Gauge, Add	8.41	
			For 18 Gauge, Add	33.51	
			For 20 Gauge, Add	25.23	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	45.09	
			For 16 Gauge, Add	41.13	
			For 22 Gauge, Add	16.79	
			For Work In Restricted Working Space, Add	79.97	
			For Elevated Installation >10' To 15', Add	26.66	
			For Elevated Installation >15' To 20', Add	53.31	
			For Elevated Installation >20' To 25', Add	66.64	
			For Elevated Installation >25' To 30', Add	93.30	
			For Elevated Installation >30' To 35', Add	106.63	
			For Elevated Installation >35' To 40', Add	133.29	
			For Elevated Installation >40', Add	146.61	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 31 13 16-0037	EA	20" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	354.86	109.45
		For Seal Class B, Add	41.04	
		For Seal Class A, Add	109.45	
		For 28 Gauge, Deduct	-11.25	
		For 24 Gauge, Add	11.21	
		For 18 Gauge, Add	44.68	
		For 20 Gauge, Add	33.63	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	60.12	
		For 16 Gauge, Add	54.84	
		For 22 Gauge, Add	22.38	
		For Work In Restricted Working Space, Add	82.09	
		For Elevated Installation >10' To 15', Add	27.36	
		For Elevated Installation >15' To 20', Add	54.72	
		For Elevated Installation >20' To 25', Add	68.41	
		For Elevated Installation >25' To 30', Add	95.77	
		For Elevated Installation >30' To 35', Add	109.45	
		For Elevated Installation >35' To 40', Add	136.81	
		For Elevated Installation >40', Add	150.49	

23 31 13 16-0038 Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbows (23 31 13 16-0001)

23 31 13 16-0039	EA	4" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	43.28	15.88
		For Seal Class B, Add	5.96	
		For Seal Class A, Add	15.89	
		For 28 Gauge, Deduct	-0.49	
		For 24 Gauge, Add	0.49	
		For 18 Gauge, Add	1.96	
		For 20 Gauge, Add	1.47	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.63	
		For 16 Gauge, Add	2.40	
		For 22 Gauge, Add	0.98	
		For Work In Restricted Working Space, Add	11.92	
		For Elevated Installation >10' To 15', Add	3.97	
		For Elevated Installation >15' To 20', Add	7.94	
		For Elevated Installation >20' To 25', Add	9.93	
		For Elevated Installation >25' To 30', Add	13.90	
		For Elevated Installation >30' To 35', Add	15.89	
		For Elevated Installation >35' To 40', Add	19.86	
		For Elevated Installation >40', Add	21.85	
23 31 13 16-0040	EA	5" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	49.97	18.19
		For Seal Class B, Add	6.81	
		For Seal Class A, Add	18.16	
		For 28 Gauge, Deduct	-0.63	
		For 24 Gauge, Add	0.63	
		For 18 Gauge, Add	2.52	
		For 20 Gauge, Add	1.90	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.39	
		For 16 Gauge, Add	3.09	
		For 22 Gauge, Add	1.26	
		For Work In Restricted Working Space, Add	13.62	
		For Elevated Installation >10' To 15', Add	4.54	
		For Elevated Installation >15' To 20', Add	9.08	
		For Elevated Installation >20' To 25', Add	11.35	
		For Elevated Installation >25' To 30', Add	15.89	
		For Elevated Installation >30' To 35', Add	18.16	
		For Elevated Installation >35' To 40', Add	22.70	
		For Elevated Installation >40', Add	24.96	
23 31 13 16-0041	EA	6" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	57.96	21.18
		For Seal Class B, Add	7.94	
		For Seal Class A, Add	21.18	
		For 28 Gauge, Deduct	-0.69	
		For 24 Gauge, Add	0.69	
		For 18 Gauge, Add	2.75	
		For 20 Gauge, Add	2.07	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.70	
		For 16 Gauge, Add	3.38	
		For 22 Gauge, Add	1.38	
		For Work In Restricted Working Space, Add	15.89	
		For Elevated Installation >10' To 15', Add	5.30	
		For Elevated Installation >15' To 20', Add	10.59	
		For Elevated Installation >20' To 25', Add	13.24	
		For Elevated Installation >25' To 30', Add	18.54	
		For Elevated Installation >30' To 35', Add	21.18	
		For Elevated Installation >35' To 40', Add	26.48	
		For Elevated Installation >40', Add	29.13	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0042	EA	7" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	69.34	25.42	
		For Seal Class B, Add	9.53		
		For Seal Class A, Add	25.42		
		For 28 Gauge, Deduct	-0.80		
		For 24 Gauge, Add	0.80		
		For 18 Gauge, Add	3.18		
		For 20 Gauge, Add	2.40		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.28		
		For 16 Gauge, Add	3.91		
		For 22 Gauge, Add	1.60		
		For Work In Restricted Working Space, Add	19.07		
		For Elevated Installation >10' To 15', Add	6.36		
		For Elevated Installation >15' To 20', Add	12.71		
		For Elevated Installation >20' To 25', Add	15.89		
		For Elevated Installation >25' To 30', Add	22.24		
		For Elevated Installation >30' To 35', Add	25.42		
		For Elevated Installation >35' To 40', Add	31.78		
		For Elevated Installation >40', Add	34.95		
23 31 13 16-0043	EA	8" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	86.03	31.78	
		For Seal Class B, Add	11.92		
		For Seal Class A, Add	31.78		
		For 28 Gauge, Deduct	-0.91		
		For 24 Gauge, Add	0.91		
		For 18 Gauge, Add	3.62		
		For 20 Gauge, Add	2.73		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.88		
		For 16 Gauge, Add	4.45		
		For 22 Gauge, Add	1.82		
		For Work In Restricted Working Space, Add	23.83		
		For Elevated Installation >10' To 15', Add	7.94		
		For Elevated Installation >15' To 20', Add	15.89		
		For Elevated Installation >20' To 25', Add	19.86		
		For Elevated Installation >25' To 30', Add	27.80		
		For Elevated Installation >30' To 35', Add	31.78		
		For Elevated Installation >35' To 40', Add	39.72		
		For Elevated Installation >40', Add	43.69		
23 31 13 16-0044	EA	10" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	115.98	42.37	
		For Seal Class B, Add	15.89		
		For Seal Class A, Add	42.37		
		For 28 Gauge, Deduct	-1.39		
		For 24 Gauge, Add	1.39		
		For 18 Gauge, Add	5.53		
		For 20 Gauge, Add	4.16		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	7.44		
		For 16 Gauge, Add	6.79		
		For 22 Gauge, Add	2.77		
		For Work In Restricted Working Space, Add	31.78		
		For Elevated Installation >10' To 15', Add	10.59		
		For Elevated Installation >15' To 20', Add	21.18		
		For Elevated Installation >20' To 25', Add	26.48		
		For Elevated Installation >25' To 30', Add	37.07		
		For Elevated Installation >30' To 35', Add	42.37		
		For Elevated Installation >35' To 40', Add	52.96		
		For Elevated Installation >40', Add	58.26		
23 31 13 16-0045	EA	12" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	171.83	63.55	
		For Seal Class B, Add	23.83		
		For Seal Class A, Add	63.56		
		For 28 Gauge, Deduct	-1.79		
		For 24 Gauge, Add	1.79		
		For 18 Gauge, Add	7.12		
		For 20 Gauge, Add	5.36		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	9.58		
		For 16 Gauge, Add	8.73		
		For 22 Gauge, Add	3.56		
		For Work In Restricted Working Space, Add	47.67		
		For Elevated Installation >10' To 15', Add	15.89		
		For Elevated Installation >15' To 20', Add	31.78		
		For Elevated Installation >20' To 25', Add	39.72		
		For Elevated Installation >25' To 30', Add	55.61		
		For Elevated Installation >30' To 35', Add	63.56		
		For Elevated Installation >35' To 40', Add	79.45		
		For Elevated Installation >40', Add	87.39		
23 31 13 16-0046	EA	14" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	225.41	81.20	
		For Seal Class B, Add	30.45		
		For Seal Class A, Add	81.20		
		For 28 Gauge, Deduct	-3.10		
		For 24 Gauge, Add	3.09		
		For 18 Gauge, Add	12.32		
		For 20 Gauge, Add	9.27		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	16.58		
		For 16 Gauge, Add	15.12		
		For 22 Gauge, Add	6.17		
		For Work In Restricted Working Space, Add	60.90		
		For Elevated Installation >10' To 15', Add	20.30		
		For Elevated Installation >15' To 20', Add	40.60		
		For Elevated Installation >20' To 25', Add	50.75		
		For Elevated Installation >25' To 30', Add	71.05		
		For Elevated Installation >30' To 35', Add	81.20		
		For Elevated Installation >35' To 40', Add	101.51		
		For Elevated Installation >40', Add	111.66		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 31 13 16-0047	EA	16" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow.....	292.72	102.39
		For Seal Class B, Add	38.40	
		For Seal Class A, Add	102.39	
		For 28 Gauge, Deduct	-5.09	
		For 24 Gauge, Add	5.07	
		For 18 Gauge, Add	20.21	
		For 20 Gauge, Add	15.21	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	27.19	
		For 16 Gauge, Add	24.80	
		For 22 Gauge, Add	10.12	
		For Work In Restricted Working Space, Add	76.79	
		For Elevated Installation >10' To 15', Add	25.60	
		For Elevated Installation >15' To 20', Add	51.20	
		For Elevated Installation >20' To 25', Add	64.00	
		For Elevated Installation >25' To 30', Add	89.59	
		For Elevated Installation >30' To 35', Add	102.39	
		For Elevated Installation >35' To 40', Add	127.99	
		For Elevated Installation >40', Add	140.79	
23 31 13 16-0048	EA	18" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow.....	310.97	106.80
		For Seal Class B, Add	39.99	
		For Seal Class A, Add	106.63	
		For 28 Gauge, Deduct	-6.15	
		For 24 Gauge, Add	6.13	
		For 18 Gauge, Add	24.42	
		For 20 Gauge, Add	18.38	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	32.86	
		For 16 Gauge, Add	29.97	
		For 22 Gauge, Add	12.23	
		For Work In Restricted Working Space, Add	79.97	
		For Elevated Installation >10' To 15', Add	26.66	
		For Elevated Installation >15' To 20', Add	53.31	
		For Elevated Installation >20' To 25', Add	66.64	
		For Elevated Installation >25' To 30', Add	93.30	
		For Elevated Installation >30' To 35', Add	106.63	
		For Elevated Installation >35' To 40', Add	133.29	
		For Elevated Installation >40', Add	146.61	
23 31 13 16-0049	EA	20" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow.....	330.51	109.45
		For Seal Class B, Add	41.04	
		For Seal Class A, Add	109.45	
		For 28 Gauge, Deduct	-7.88	
		For 24 Gauge, Add	7.85	
		For 18 Gauge, Add	31.29	
		For 20 Gauge, Add	23.55	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	42.10	
		For 16 Gauge, Add	38.40	
		For 22 Gauge, Add	15.67	
		For Work In Restricted Working Space, Add	82.09	
		For Elevated Installation >10' To 15', Add	27.36	
		For Elevated Installation >15' To 20', Add	54.72	
		For Elevated Installation >20' To 25', Add	68.41	
		For Elevated Installation >25' To 30', Add	95.77	
		For Elevated Installation >30' To 35', Add	109.45	
		For Elevated Installation >35' To 40', Add	136.81	
		For Elevated Installation >40', Add	150.49	

23 31 13 16-0050 Galvanized Sheet Metal Round And Flat-Oval Tees (23 31 13 16-0001)

23 31 13 16-0051	EA	4" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	67.52	23.83
		For Seal Class B, Add	8.94	
		For Seal Class A, Add	23.83	
		For 28 Gauge, Deduct	-1.10	
		For 24 Gauge, Add	1.10	
		For 18 Gauge, Add	4.37	
		For 20 Gauge, Add	3.29	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.88	
		For 16 Gauge, Add	5.36	
		For 22 Gauge, Add	2.19	
		For Work In Restricted Working Space, Add	17.87	
		For Elevated Installation >10' To 15', Add	5.96	
		For Elevated Installation >15' To 20', Add	11.92	
		For Elevated Installation >20' To 25', Add	14.90	
		For Elevated Installation >25' To 30', Add	20.85	
		For Elevated Installation >30' To 35', Add	23.83	
		For Elevated Installation >35' To 40', Add	29.79	
		For Elevated Installation >40', Add	32.77	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0052	EA		5" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	78.65	27.19
			For Seal Class B, Add	10.22	
			For Seal Class A, Add	27.24	
			For 28 Gauge, Deduct	-1.46	
			For 24 Gauge, Add	1.46	
			For 18 Gauge, Add	5.80	
			For 20 Gauge, Add	4.37	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	7.81	
			For 16 Gauge, Add	7.12	
			For 22 Gauge, Add	2.91	
			For Work In Restricted Working Space, Add	20.43	
			For Elevated Installation >10' To 15', Add	6.81	
			For Elevated Installation >15' To 20', Add	13.62	
			For Elevated Installation >20' To 25', Add	17.03	
			For Elevated Installation >25' To 30', Add	23.84	
			For Elevated Installation >30' To 35', Add	27.24	
			For Elevated Installation >35' To 40', Add	34.05	
			For Elevated Installation >40', Add	37.46	
23 31 13 16-0053	EA		6" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	90.89	31.78
			For Seal Class B, Add	11.92	
			For Seal Class A, Add	31.78	
			For 28 Gauge, Deduct	-1.59	
			For 24 Gauge, Add	1.58	
			For 18 Gauge, Add	6.30	
			For 20 Gauge, Add	4.74	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	8.47	
			For 16 Gauge, Add	7.73	
			For 22 Gauge, Add	3.15	
			For Work In Restricted Working Space, Add	23.83	
			For Elevated Installation >10' To 15', Add	7.94	
			For Elevated Installation >15' To 20', Add	15.89	
			For Elevated Installation >20' To 25', Add	19.86	
			For Elevated Installation >25' To 30', Add	27.80	
			For Elevated Installation >30' To 35', Add	31.78	
			For Elevated Installation >35' To 40', Add	39.72	
			For Elevated Installation >40', Add	43.69	
23 31 13 16-0054	EA		7" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	108.50	38.13
			For Seal Class B, Add	14.30	
			For Seal Class A, Add	38.13	
			For 28 Gauge, Deduct	-1.83	
			For 24 Gauge, Add	1.82	
			For 18 Gauge, Add	7.25	
			For 20 Gauge, Add	5.46	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	9.75	
			For 16 Gauge, Add	8.90	
			For 22 Gauge, Add	3.63	
			For Work In Restricted Working Space, Add	28.60	
			For Elevated Installation >10' To 15', Add	9.53	
			For Elevated Installation >15' To 20', Add	19.06	
			For Elevated Installation >20' To 25', Add	23.83	
			For Elevated Installation >25' To 30', Add	33.36	
			For Elevated Installation >30' To 35', Add	38.13	
			For Elevated Installation >35' To 40', Add	47.66	
			For Elevated Installation >40', Add	52.43	
23 31 13 16-0055	EA		8" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	140.48	47.66
			For Seal Class B, Add	17.88	
			For Seal Class A, Add	47.67	
			For 28 Gauge, Deduct	-2.95	
			For 24 Gauge, Add	2.94	
			For 18 Gauge, Add	11.72	
			For 20 Gauge, Add	8.82	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	15.77	
			For 16 Gauge, Add	14.38	
			For 22 Gauge, Add	5.87	
			For Work In Restricted Working Space, Add	35.75	
			For Elevated Installation >10' To 15', Add	11.92	
			For Elevated Installation >15' To 20', Add	23.83	
			For Elevated Installation >20' To 25', Add	29.79	
			For Elevated Installation >25' To 30', Add	41.71	
			For Elevated Installation >30' To 35', Add	47.67	
			For Elevated Installation >35' To 40', Add	59.59	
			For Elevated Installation >40', Add	65.54	
23 31 13 16-0056	EA		10" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	186.07	63.55
			For Seal Class B, Add	23.83	
			For Seal Class A, Add	63.56	
			For 28 Gauge, Deduct	-3.76	
			For 24 Gauge, Add	3.75	
			For 18 Gauge, Add	14.95	
			For 20 Gauge, Add	11.25	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	20.11	
			For 16 Gauge, Add	18.35	
			For 22 Gauge, Add	7.49	
			For Work In Restricted Working Space, Add	47.67	
			For Elevated Installation >10' To 15', Add	15.89	
			For Elevated Installation >15' To 20', Add	31.78	
			For Elevated Installation >20' To 25', Add	39.72	
			For Elevated Installation >25' To 30', Add	55.61	
			For Elevated Installation >30' To 35', Add	63.56	
			For Elevated Installation >35' To 40', Add	79.45	
			For Elevated Installation >40', Add	87.39	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 31 13 16-0057	EA	12" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	265.46	95.33
		For Seal Class B, Add	35.74	
		For Seal Class A, Add	95.31	
		For 28 Gauge, Deduct	-3.76	
		For 24 Gauge, Add	3.75	
		For 18 Gauge, Add	14.95	
		For 20 Gauge, Add	11.25	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	20.11	
		For 16 Gauge, Add	18.35	
		For 22 Gauge, Add	7.49	
		For Work In Restricted Working Space, Add	71.48	
		For Elevated Installation >10' To 15', Add	23.83	
		For Elevated Installation >15' To 20', Add	47.66	
		For Elevated Installation >20' To 25', Add	59.57	
		For Elevated Installation >25' To 30', Add	83.40	
		For Elevated Installation >30' To 35', Add	95.31	
		For Elevated Installation >35' To 40', Add	119.14	
		For Elevated Installation >40', Add	131.05	
23 31 13 16-0058	EA	14" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	356.14	121.46
		For Seal Class B, Add	45.66	
		For Seal Class A, Add	121.75	
		For 28 Gauge, Deduct	-7.17	
		For 24 Gauge, Add	7.14	
		For 18 Gauge, Add	28.47	
		For 20 Gauge, Add	21.43	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	38.31	
		For 16 Gauge, Add	34.94	
		For 22 Gauge, Add	14.26	
		For Work In Restricted Working Space, Add	91.31	
		For Elevated Installation >10' To 15', Add	30.44	
		For Elevated Installation >15' To 20', Add	60.87	
		For Elevated Installation >20' To 25', Add	76.09	
		For Elevated Installation >25' To 30', Add	106.53	
		For Elevated Installation >30' To 35', Add	121.75	
		For Elevated Installation >35' To 40', Add	152.19	
		For Elevated Installation >40', Add	167.40	
23 31 13 16-0059	EA	16" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	456.45	153.94
		For Seal Class B, Add	57.57	
		For Seal Class A, Add	153.51	
		For 28 Gauge, Deduct	-10.07	
		For 24 Gauge, Add	10.03	
		For 18 Gauge, Add	39.97	
		For 20 Gauge, Add	30.09	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	53.78	
		For 16 Gauge, Add	49.06	
		For 22 Gauge, Add	20.02	
		For Work In Restricted Working Space, Add	115.13	
		For Elevated Installation >10' To 15', Add	38.38	
		For Elevated Installation >15' To 20', Add	76.75	
		For Elevated Installation >20' To 25', Add	95.94	
		For Elevated Installation >25' To 30', Add	134.32	
		For Elevated Installation >30' To 35', Add	153.51	
		For Elevated Installation >35' To 40', Add	191.89	
		For Elevated Installation >40', Add	211.07	
23 31 13 16-0060	EA	18" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	521.57	171.24
		For Seal Class B, Add	64.35	
		For Seal Class A, Add	171.59	
		For 28 Gauge, Deduct	-12.82	
		For 24 Gauge, Add	12.78	
		For 18 Gauge, Add	50.92	
		For 20 Gauge, Add	38.33	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	68.52	
		For 16 Gauge, Add	62.50	
		For 22 Gauge, Add	25.51	
		For Work In Restricted Working Space, Add	128.69	
		For Elevated Installation >10' To 15', Add	42.90	
		For Elevated Installation >15' To 20', Add	85.80	
		For Elevated Installation >20' To 25', Add	107.25	
		For Elevated Installation >25' To 30', Add	150.14	
		For Elevated Installation >30' To 35', Add	171.59	
		For Elevated Installation >35' To 40', Add	214.49	
		For Elevated Installation >40', Add	235.94	
23 31 13 16-0061	EA	20" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	545.85	177.41
		For Seal Class B, Add	66.47	
		For Seal Class A, Add	177.24	
		For 28 Gauge, Deduct	-14.23	
		For 24 Gauge, Add	14.18	
		For 18 Gauge, Add	56.51	
		For 20 Gauge, Add	42.54	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	76.04	
		For 16 Gauge, Add	69.36	
		For 22 Gauge, Add	28.31	
		For Work In Restricted Working Space, Add	132.93	
		For Elevated Installation >10' To 15', Add	44.31	
		For Elevated Installation >15' To 20', Add	88.62	
		For Elevated Installation >20' To 25', Add	110.78	
		For Elevated Installation >25' To 30', Add	155.09	
		For Elevated Installation >30' To 35', Add	177.24	
		For Elevated Installation >35' To 40', Add	221.55	
		For Elevated Installation >40', Add	243.71	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0062		Galvanized Sheet Metal Round And Flat-Oval Connectors (23 31 13 16-0001)		
23 31 13 16-0063	EA	4" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector.....	30.91	
		For Seal Class B, Add	4.24	
		For Seal Class A, Add	11.30	
		For Work In Restricted Working Space, Add	8.47	
		For Elevated Installation >10' To 15', Add	2.82	
		For Elevated Installation >15' To 20', Add	5.65	
		For Elevated Installation >20' To 25', Add	7.06	
		For Elevated Installation >25' To 30', Add	9.88	
		For Elevated Installation >30' To 35', Add	11.30	
		For Elevated Installation >35' To 40', Add	14.12	
		For Elevated Installation >40', Add	15.53	
23 31 13 16-0064	EA	5" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector.....	32.55	
		For Seal Class B, Add	4.45	
		For Seal Class A, Add	11.87	
		For Work In Restricted Working Space, Add	8.90	
		For Elevated Installation >10' To 15', Add	2.97	
		For Elevated Installation >15' To 20', Add	5.94	
		For Elevated Installation >20' To 25', Add	7.42	
		For Elevated Installation >25' To 30', Add	10.39	
		For Elevated Installation >30' To 35', Add	11.87	
		For Elevated Installation >35' To 40', Add	14.84	
		For Elevated Installation >40', Add	16.32	
23 31 13 16-0065	EA	6" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector.....	34.87	
		For Seal Class B, Add	4.77	
		For Seal Class A, Add	12.71	
		For Work In Restricted Working Space, Add	9.53	
		For Elevated Installation >10' To 15', Add	3.18	
		For Elevated Installation >15' To 20', Add	6.36	
		For Elevated Installation >20' To 25', Add	7.95	
		For Elevated Installation >25' To 30', Add	11.12	
		For Elevated Installation >30' To 35', Add	12.71	
		For Elevated Installation >35' To 40', Add	15.89	
		For Elevated Installation >40', Add	17.48	
23 31 13 16-0066	EA	7" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector.....	37.06	
		For Seal Class B, Add	5.03	
		For Seal Class A, Add	13.42	
		For Work In Restricted Working Space, Add	10.06	
		For Elevated Installation >10' To 15', Add	3.35	
		For Elevated Installation >15' To 20', Add	6.71	
		For Elevated Installation >20' To 25', Add	8.39	
		For Elevated Installation >25' To 30', Add	11.74	
		For Elevated Installation >30' To 35', Add	13.42	
		For Elevated Installation >35' To 40', Add	16.77	
		For Elevated Installation >40', Add	18.45	
23 31 13 16-0067	EA	8" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector.....	40.17	
		For Seal Class B, Add	5.43	
		For Seal Class A, Add	14.48	
		For Work In Restricted Working Space, Add	10.86	
		For Elevated Installation >10' To 15', Add	3.62	
		For Elevated Installation >15' To 20', Add	7.24	
		For Elevated Installation >20' To 25', Add	9.05	
		For Elevated Installation >25' To 30', Add	12.67	
		For Elevated Installation >30' To 35', Add	14.48	
		For Elevated Installation >35' To 40', Add	18.10	
		For Elevated Installation >40', Add	19.90	
23 31 13 16-0068	EA	10" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector.....	46.70	
		For Seal Class B, Add	6.06	
		For Seal Class A, Add	16.17	
		For Work In Restricted Working Space, Add	12.13	
		For Elevated Installation >10' To 15', Add	4.04	
		For Elevated Installation >15' To 20', Add	8.09	
		For Elevated Installation >20' To 25', Add	10.11	
		For Elevated Installation >25' To 30', Add	14.15	
		For Elevated Installation >30' To 35', Add	16.17	
		For Elevated Installation >35' To 40', Add	20.22	
		For Elevated Installation >40', Add	22.24	
23 31 13 16-0069	EA	12" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector.....	64.07	
		For Seal Class B, Add	8.48	
		For Seal Class A, Add	22.60	
		For Work In Restricted Working Space, Add	16.95	
		For Elevated Installation >10' To 15', Add	5.65	
		For Elevated Installation >15' To 20', Add	11.30	
		For Elevated Installation >20' To 25', Add	14.13	
		For Elevated Installation >25' To 30', Add	19.78	
		For Elevated Installation >30' To 35', Add	22.60	
		For Elevated Installation >35' To 40', Add	28.25	
		For Elevated Installation >40', Add	31.08	
23 31 13 16-0070	EA	14" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector.....	73.08	
		For Seal Class B, Add	9.64	
		For Seal Class A, Add	25.71	
		For Work In Restricted Working Space, Add	19.28	
		For Elevated Installation >10' To 15', Add	6.43	
		For Elevated Installation >15' To 20', Add	12.86	
		For Elevated Installation >20' To 25', Add	16.07	
		For Elevated Installation >25' To 30', Add	22.50	
		For Elevated Installation >30' To 35', Add	25.71	
		For Elevated Installation >35' To 40', Add	32.14	
		For Elevated Installation >40', Add	35.35	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 31 13 16-0071	EA	16" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector.....	80.31	
		For Seal Class B, Add	10.57	
		For Seal Class A, Add	28.18	
		For Work In Restricted Working Space, Add	21.14	
		For Elevated Installation >10' To 15', Add	7.05	
		For Elevated Installation >15' To 20', Add	14.09	
		For Elevated Installation >20' To 25', Add	17.61	
		For Elevated Installation >25' To 30', Add	24.66	
		For Elevated Installation >30' To 35', Add	28.18	
		For Elevated Installation >35' To 40', Add	35.23	
		For Elevated Installation >40', Add	38.75	
23 31 13 16-0072	EA	18" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector.....	87.28	
		For Seal Class B, Add	11.44	
		For Seal Class A, Add	30.51	
		For Work In Restricted Working Space, Add	22.88	
		For Elevated Installation >10' To 15', Add	7.63	
		For Elevated Installation >15' To 20', Add	15.25	
		For Elevated Installation >20' To 25', Add	19.07	
		For Elevated Installation >25' To 30', Add	26.69	
		For Elevated Installation >30' To 35', Add	30.51	
		For Elevated Installation >35' To 40', Add	38.14	
		For Elevated Installation >40', Add	41.95	
23 31 13 16-0073	EA	20" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector.....	95.10	
		For Seal Class B, Add	12.47	
		For Seal Class A, Add	33.26	
		For Work In Restricted Working Space, Add	24.95	
		For Elevated Installation >10' To 15', Add	8.32	
		For Elevated Installation >15' To 20', Add	16.63	
		For Elevated Installation >20' To 25', Add	20.79	
		For Elevated Installation >25' To 30', Add	29.10	
		For Elevated Installation >30' To 35', Add	33.26	
		For Elevated Installation >35' To 40', Add	41.58	
		For Elevated Installation >40', Add	45.73	

23 31 13 16-0074 Slip Joint, Galvanized, Spiral Duct And Fittings (23 31 13 16)

23 31 13 16-0075 Slip Joint, Galvanized, Spiral Duct (23 31 13 16-0074)

23 31 13 16-0076	LF	4" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct.....	13.01	1.63
		For Seal Class B, Add	1.31	
		For Seal Class A, Add	3.49	
		For Up To 20', Add	1.29	
		For >20' To 50', Add	0.51	
		For >200' To 500', Deduct	-0.32	
		For >500', Deduct	-0.54	
		For 22 Gauge, Add	1.97	
		For 18 Gauge, Add	4.93	
		For 16 Gauge, Add	6.01	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.17	
		For 20 Gauge, Add	3.22	
		For Work In Restricted Working Space, Add	2.62	
		For 24 Gauge, Add	0.86	
23 31 13 16-0077	LF	6" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct.....	16.67	3.26
		For Seal Class B, Add	1.57	
		For Seal Class A, Add	4.18	
		For Up To 20', Add	1.86	
		For >20' To 50', Add	0.75	
		For >200' To 500', Deduct	-0.47	
		For >500', Deduct	-0.78	
		For 22 Gauge, Add	2.86	
		For 18 Gauge, Add	7.14	
		For 16 Gauge, Add	8.69	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.60	
		For 20 Gauge, Add	4.66	
		For Work In Restricted Working Space, Add	3.14	
		For 24 Gauge, Add	1.24	
23 31 13 16-0078	LF	8" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct.....	21.16	3.26
		For Seal Class B, Add	1.95	
		For Seal Class A, Add	5.19	
		For Up To 20', Add	2.45	
		For >20' To 50', Add	0.98	
		For >200' To 500', Deduct	-0.61	
		For >500', Deduct	-1.02	
		For 22 Gauge, Add	3.76	
		For 18 Gauge, Add	9.41	
		For 16 Gauge, Add	11.45	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.05	
		For 20 Gauge, Add	6.14	
		For Work In Restricted Working Space, Add	3.89	
		For 24 Gauge, Add	1.64	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0079	LF	10" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct.....	25.69	3.26
		For Seal Class B, Add	2.34	
		For Seal Class A, Add	6.24	
		For Up To 20', Add	3.03	
		For >20' To 50', Add	1.21	
		For >200' To 500', Deduct	-0.76	
		For >500', Deduct	-1.26	
		For 22 Gauge, Add	4.65	
		For 18 Gauge, Add	11.62	
		For 16 Gauge, Add	14.14	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	7.47	
		For 20 Gauge, Add	7.58	
		For Work In Restricted Working Space, Add	4.68	
		For 24 Gauge, Add	2.02	
23 31 13 16-0080	LF	12" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct.....	31.95	4.88
		For Seal Class B, Add	2.93	
		For Seal Class A, Add	7.81	
		For Up To 20', Add	3.73	
		For >20' To 50', Add	1.49	
		For >200' To 500', Deduct	-0.93	
		For >500', Deduct	-1.55	
		For 22 Gauge, Add	5.71	
		For 18 Gauge, Add	14.28	
		For 16 Gauge, Add	17.39	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	9.19	
		For 20 Gauge, Add	9.32	
		For Work In Restricted Working Space, Add	5.86	
		For 24 Gauge, Add	2.48	
23 31 13 16-0081	LF	14" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct.....	38.81	4.88
		For Seal Class B, Add	3.66	
		For Seal Class A, Add	9.77	
		For Up To 20', Add	4.32	
		For >20' To 50', Add	1.73	
		For >200' To 500', Deduct	-1.08	
		For >500', Deduct	-1.80	
		For 22 Gauge, Add	6.62	
		For 18 Gauge, Add	16.55	
		For 16 Gauge, Add	20.15	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	10.65	
		For 20 Gauge, Add	10.79	
		For Work In Restricted Working Space, Add	7.33	
		For 24 Gauge, Add	2.88	
23 31 13 16-0082	LF	16" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct.....	53.42	4.88
		For Seal Class B, Add	4.88	
		For Seal Class A, Add	13.00	
		For Up To 20', Add	6.27	
		For >20' To 50', Add	2.51	
		For >200' To 500', Deduct	-1.57	
		For >500', Deduct	-2.61	
		For 22 Gauge, Add	9.62	
		For 18 Gauge, Add	24.05	
		For 16 Gauge, Add	29.27	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	15.47	
		For 20 Gauge, Add	15.68	
		For Work In Restricted Working Space, Add	9.75	
		For 24 Gauge, Add	4.18	
23 31 13 16-0083	LF	18" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct.....	61.07	6.51
		For Seal Class B, Add	5.68	
		For Seal Class A, Add	15.16	
		For Up To 20', Add	6.95	
		For >20' To 50', Add	2.78	
		For >200' To 500', Deduct	-1.74	
		For >500', Deduct	-2.90	
		For 22 Gauge, Add	10.66	
		For 18 Gauge, Add	26.66	
		For 16 Gauge, Add	32.45	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	17.15	
		For 20 Gauge, Add	17.39	
		For Work In Restricted Working Space, Add	11.37	
		For 24 Gauge, Add	4.64	
23 31 13 16-0084	LF	20" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct.....	68.89	6.51
		For Seal Class B, Add	6.45	
		For Seal Class A, Add	17.21	
		For Up To 20', Add	7.76	
		For >20' To 50', Add	3.10	
		For >200' To 500', Deduct	-1.94	
		For >500', Deduct	-3.23	
		For 22 Gauge, Add	11.90	
		For 18 Gauge, Add	29.74	
		For 16 Gauge, Add	36.20	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	19.14	
		For 20 Gauge, Add	19.40	
		For Work In Restricted Working Space, Add	12.91	
		For 24 Gauge, Add	5.17	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

23 31 13 16-0085	LF	22" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct.....	77.04	8.14
		For Seal Class B, Add	7.27	
		For Seal Class A, Add	19.38	
		For Up To 20', Add	8.57	
		For >20' To 50', Add	3.43	
		For >200' To 500', Deduct	-2.14	
		For >500', Deduct	-3.57	
		For 22 Gauge, Add	13.15	
		For 18 Gauge, Add	32.87	
		For 16 Gauge, Add	40.01	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	21.15	
		For 20 Gauge, Add	21.44	
		For Work In Restricted Working Space, Add	14.54	
		For 24 Gauge, Add	5.72	
23 31 13 16-0086	LF	24" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct.....	85.30	9.77
		For Seal Class B, Add	8.14	
		For Seal Class A, Add	21.70	
		For Up To 20', Add	9.32	
		For >20' To 50', Add	3.73	
		For >200' To 500', Deduct	-2.33	
		For >500', Deduct	-3.88	
		For 22 Gauge, Add	14.29	
		For 18 Gauge, Add	35.72	
		For 16 Gauge, Add	43.48	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	22.98	
		For 20 Gauge, Add	23.30	
		For Work In Restricted Working Space, Add	16.27	
		For 24 Gauge, Add	6.21	

23 31 13 16-0087 Slip Joint, Galvanized, Spiral 90 Degree Elbows (23 31 13 16-0074)

23 31 13 16-0088	EA	4" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow.....	102.45	22.78
		For Seal Class B, Add	13.20	
		For Seal Class A, Add	35.19	
		For 22 Gauge, Add	6.66	
		For 18 Gauge, Add	16.65	
		For 16 Gauge, Add	20.27	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	10.72	
		For 20 Gauge, Add	10.86	
		For Work In Restricted Working Space, Add	26.39	
		For 24 Gauge, Add	2.90	
23 31 13 16-0089	EA	6" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow.....	150.74	32.55
		For Seal Class B, Add	19.53	
		For Seal Class A, Add	52.08	
		For 22 Gauge, Add	9.45	
		For 18 Gauge, Add	23.63	
		For 16 Gauge, Add	28.77	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	15.21	
		For 20 Gauge, Add	15.41	
		For Work In Restricted Working Space, Add	39.06	
		For 24 Gauge, Add	4.11	
23 31 13 16-0090	EA	8" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow.....	210.52	42.32
		For Seal Class B, Add	25.70	
		For Seal Class A, Add	68.53	
		For 22 Gauge, Add	18.03	
		For 18 Gauge, Add	45.08	
		For 16 Gauge, Add	54.88	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	29.01	
		For 20 Gauge, Add	29.40	
		For Work In Restricted Working Space, Add	51.40	
		For 24 Gauge, Add	7.84	
23 31 13 16-0091	EA	10" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow.....	263.14	53.71
		For Seal Class B, Add	32.55	
		For Seal Class A, Add	86.80	
		For 22 Gauge, Add	21.23	
		For 18 Gauge, Add	53.07	
		For 16 Gauge, Add	64.61	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	34.15	
		For 20 Gauge, Add	34.61	
		For Work In Restricted Working Space, Add	65.10	
		For 24 Gauge, Add	9.23	
23 31 13 16-0092	EA	12" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow.....	325.43	68.36
		For Seal Class B, Add	40.69	
		For Seal Class A, Add	108.50	
		For 22 Gauge, Add	24.92	
		For 18 Gauge, Add	62.31	
		For 16 Gauge, Add	75.85	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	40.09	
		For 20 Gauge, Add	40.64	
		For Work In Restricted Working Space, Add	81.38	
		For 24 Gauge, Add	10.84	
23 31 13 16-0093	EA	14" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow.....	356.22	74.86
		For Seal Class B, Add	44.39	
		For Seal Class A, Add	118.36	
		For 22 Gauge, Add	27.75	
		For 18 Gauge, Add	69.37	
		For 16 Gauge, Add	84.45	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	44.64	
		For 20 Gauge, Add	45.24	
		For Work In Restricted Working Space, Add	88.77	
		For 24 Gauge, Add	12.06	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0094	EA	16" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	420.58	87.88
		For Seal Class B, Add	52.50	
		For Seal Class A, Add	140.00	
		For 22 Gauge, Add	32.47	
		For 18 Gauge, Add	81.18	
		For 16 Gauge, Add	98.83	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	52.24	
		For 20 Gauge, Add	52.94	
		For Work In Restricted Working Space, Add	105.00	
		For 24 Gauge, Add	14.12	
23 31 13 16-0095	EA	18" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	515.22	109.04
		For Seal Class B, Add	65.10	
		For Seal Class A, Add	173.60	
		For 22 Gauge, Add	37.37	
		For 18 Gauge, Add	93.41	
		For 16 Gauge, Add	113.72	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	60.11	
		For 20 Gauge, Add	60.92	
		For Work In Restricted Working Space, Add	130.20	
		For 24 Gauge, Add	16.25	
23 31 13 16-0096	EA	20" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	620.88	131.82
		For Seal Class B, Add	78.75	
		For Seal Class A, Add	210.00	
		For 22 Gauge, Add	44.11	
		For 18 Gauge, Add	110.27	
		For 16 Gauge, Add	134.25	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	70.96	
		For 20 Gauge, Add	71.92	
		For Work In Restricted Working Space, Add	157.50	
		For 24 Gauge, Add	19.18	
23 31 13 16-0097	EA	22" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	722.96	152.99
		For Seal Class B, Add	92.12	
		For Seal Class A, Add	245.66	
		For 22 Gauge, Add	50.06	
		For 18 Gauge, Add	125.14	
		For 16 Gauge, Add	152.35	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	80.53	
		For 20 Gauge, Add	81.62	
		For Work In Restricted Working Space, Add	184.24	
		For 24 Gauge, Add	21.76	
23 31 13 16-0098	EA	24" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	826.84	174.14
		For Seal Class B, Add	103.88	
		For Seal Class A, Add	277.02	
		For 22 Gauge, Add	61.78	
		For 18 Gauge, Add	154.45	
		For 16 Gauge, Add	188.02	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	99.38	
		For 20 Gauge, Add	100.73	
		For Work In Restricted Working Space, Add	207.76	
		For 24 Gauge, Add	26.86	
23 31 13 16-0099 Slip Joint, Galvanized, Spiral Duct 45 Degree Elbows (23 31 13 16-0074)				
23 31 13 16-0100	EA	4" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	103.13	22.78
		For Seal Class B, Add	13.20	
		For Seal Class A, Add	35.19	
		For 22 Gauge, Add	6.97	
		For 18 Gauge, Add	17.43	
		For 16 Gauge, Add	21.22	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	11.22	
		For 20 Gauge, Add	11.37	
		For Work In Restricted Working Space, Add	26.39	
		For 24 Gauge, Add	3.03	
23 31 13 16-0101	EA	6" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	147.22	32.55
		For Seal Class B, Add	19.53	
		For Seal Class A, Add	52.08	
		For 22 Gauge, Add	7.83	
		For 18 Gauge, Add	19.58	
		For 16 Gauge, Add	23.84	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	12.60	
		For 20 Gauge, Add	12.77	
		For Work In Restricted Working Space, Add	39.06	
		For 24 Gauge, Add	3.41	
23 31 13 16-0102	EA	8" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	194.15	42.32
		For Seal Class B, Add	25.70	
		For Seal Class A, Add	68.53	
		For 22 Gauge, Add	10.50	
		For 18 Gauge, Add	26.25	
		For 16 Gauge, Add	31.96	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	16.89	
		For 20 Gauge, Add	17.12	
		For Work In Restricted Working Space, Add	51.40	
		For 24 Gauge, Add	4.57	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

23 31 13 16-0103	EA	10" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow.....	245.53	53.71
		For Seal Class B, Add	32.55	
		For Seal Class A, Add	86.80	
		For 22 Gauge, Add	13.13	
		For 18 Gauge, Add	32.82	
		For 16 Gauge, Add	39.96	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	21.12	
		For 20 Gauge, Add	21.41	
		For Work In Restricted Working Space, Add	65.10	
		For 24 Gauge, Add	5.71	
23 31 13 16-0104	EA	12" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow.....	304.42	68.36
		For Seal Class B, Add	40.69	
		For Seal Class A, Add	108.50	
		For 22 Gauge, Add	15.26	
		For 18 Gauge, Add	38.15	
		For 16 Gauge, Add	46.44	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	24.55	
		For 20 Gauge, Add	24.88	
		For Work In Restricted Working Space, Add	81.38	
		For 24 Gauge, Add	6.63	
23 31 13 16-0105	EA	14" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow.....	332.77	74.86
		For Seal Class B, Add	44.39	
		For Seal Class A, Add	118.36	
		For 22 Gauge, Add	16.96	
		For 18 Gauge, Add	42.40	
		For 16 Gauge, Add	51.62	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	27.28	
		For 20 Gauge, Add	27.65	
		For Work In Restricted Working Space, Add	88.77	
		For 24 Gauge, Add	7.37	
23 31 13 16-0106	EA	16" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow.....	410.43	87.88
		For Seal Class B, Add	52.50	
		For Seal Class A, Add	140.00	
		For 22 Gauge, Add	27.80	
		For 18 Gauge, Add	69.51	
		For 16 Gauge, Add	84.62	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	44.73	
		For 20 Gauge, Add	45.33	
		For Work In Restricted Working Space, Add	105.00	
		For 24 Gauge, Add	12.09	
23 31 13 16-0107	EA	18" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow.....	508.03	109.04
		For Seal Class B, Add	65.10	
		For Seal Class A, Add	173.60	
		For 22 Gauge, Add	34.06	
		For 18 Gauge, Add	85.15	
		For 16 Gauge, Add	103.66	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	54.79	
		For 20 Gauge, Add	55.53	
		For Work In Restricted Working Space, Add	130.20	
		For 24 Gauge, Add	14.81	
23 31 13 16-0108	EA	20" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow.....	618.67	131.82
		For Seal Class B, Add	78.75	
		For Seal Class A, Add	210.00	
		For 22 Gauge, Add	43.09	
		For 18 Gauge, Add	107.73	
		For 16 Gauge, Add	131.15	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	69.32	
		For 20 Gauge, Add	70.26	
		For Work In Restricted Working Space, Add	157.50	
		For 24 Gauge, Add	18.74	
23 31 13 16-0109	EA	22" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow.....	698.00	152.99
		For Seal Class B, Add	92.12	
		For Seal Class A, Add	245.66	
		For 22 Gauge, Add	38.58	
		For 18 Gauge, Add	96.44	
		For 16 Gauge, Add	117.40	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	62.06	
		For 20 Gauge, Add	62.90	
		For Work In Restricted Working Space, Add	184.24	
		For 24 Gauge, Add	16.77	
23 31 13 16-0110	EA	24" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow.....	817.95	174.14
		For Seal Class B, Add	103.88	
		For Seal Class A, Add	277.02	
		For 22 Gauge, Add	57.69	
		For 18 Gauge, Add	144.22	
		For 16 Gauge, Add	175.57	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	92.80	
		For 20 Gauge, Add	94.06	
		For Work In Restricted Working Space, Add	207.76	
		For 24 Gauge, Add	25.08	

23 31 13 16-0111 Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Laterals (23 31 13 16-0074)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0112	EA	6" x 6" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	203.90	42.32	
		For Seal Class B, Add	25.70		
		For Seal Class A, Add	68.53		
		For 22 Gauge, Add	14.99		
		For 18 Gauge, Add	37.47		
		For 16 Gauge, Add	45.61		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	24.11		
		For 20 Gauge, Add	24.44		
		For Work In Restricted Working Space, Add	51.40		
		For 24 Gauge, Add	6.52		
23 31 13 16-0113	EA	8" x 8" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	305.40	68.36	
		For Seal Class B, Add	40.69		
		For Seal Class A, Add	108.50		
		For 22 Gauge, Add	15.71		
		For 18 Gauge, Add	39.27		
		For 16 Gauge, Add	47.81		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	25.27		
		For 20 Gauge, Add	25.61		
		For Work In Restricted Working Space, Add	81.38		
		For 24 Gauge, Add	6.83		
23 31 13 16-0114	EA	10" x 10" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	387.49	87.88	
		For Seal Class B, Add	52.50		
		For Seal Class A, Add	140.00		
		For 22 Gauge, Add	17.25		
		For 18 Gauge, Add	43.13		
		For 16 Gauge, Add	52.50		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	27.75		
		For 20 Gauge, Add	28.13		
		For Work In Restricted Working Space, Add	105.00		
		For 24 Gauge, Add	7.50		
23 31 13 16-0115	EA	12" x 12" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	473.16	109.04	
		For Seal Class B, Add	65.10		
		For Seal Class A, Add	173.60		
		For 22 Gauge, Add	18.02		
		For 18 Gauge, Add	45.05		
		For 16 Gauge, Add	54.84		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	28.99		
		For 20 Gauge, Add	29.38		
		For Work In Restricted Working Space, Add	130.20		
		For 24 Gauge, Add	7.83		
23 31 13 16-0116	EA	14" x 14" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	565.44	131.82	
		For Seal Class B, Add	78.75		
		For Seal Class A, Add	210.00		
		For 22 Gauge, Add	18.61		
		For 18 Gauge, Add	46.52		
		For 16 Gauge, Add	56.63		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	29.93		
		For 20 Gauge, Add	30.34		
		For Work In Restricted Working Space, Add	157.50		
		For 24 Gauge, Add	8.09		
23 31 13 16-0117	EA	16" x 16" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	658.13	152.99	
		For Seal Class B, Add	92.12		
		For Seal Class A, Add	245.66		
		For 22 Gauge, Add	20.24		
		For 18 Gauge, Add	50.59		
		For 16 Gauge, Add	61.59		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	32.55		
		For 20 Gauge, Add	32.99		
		For Work In Restricted Working Space, Add	184.24		
		For 24 Gauge, Add	8.80		
23 31 13 16-0118	EA	18" x 18" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	738.30	174.14	
		For Seal Class B, Add	103.88		
		For Seal Class A, Add	277.02		
		For 22 Gauge, Add	21.05		
		For 18 Gauge, Add	52.62		
		For 16 Gauge, Add	64.06		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	33.86		
		For 20 Gauge, Add	34.32		
		For Work In Restricted Working Space, Add	207.76		
		For 24 Gauge, Add	9.15		
23 31 13 16-0119	EA	20" x 20" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	841.33	198.55	
		For Seal Class B, Add	119.08		
		For Seal Class A, Add	317.56		
		For 22 Gauge, Add	21.82		
		For 18 Gauge, Add	54.56		
		For 16 Gauge, Add	66.42		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	35.11		
		For 20 Gauge, Add	35.58		
		For Work In Restricted Working Space, Add	238.17		
		For 24 Gauge, Add	9.49		
23 31 13 16-0120	EA	22" x 22" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	936.79	219.71	
		For Seal Class B, Add	131.96		
		For Seal Class A, Add	351.88		
		For 22 Gauge, Add	26.26		
		For 18 Gauge, Add	65.64		
		For 16 Gauge, Add	79.91		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	42.24		
		For 20 Gauge, Add	42.81		
		For Work In Restricted Working Space, Add	263.91		
		For 24 Gauge, Add	11.42		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

23 31 13 16-0121	EA 24" x 24" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	1,016.29	239.24
	For Seal Class B, Add	143.60	
	For Seal Class A, Add	382.94	
	For 22 Gauge, Add	27.12	
	For 18 Gauge, Add	67.79	
	For 16 Gauge, Add	82.53	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	43.62	
	For 20 Gauge, Add	44.21	
	For Work In Restricted Working Space, Add	287.20	
	For 24 Gauge, Add	11.79	
23 31 13 16-0122	EA 8" x 8" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	323.74	73.72
	For Seal Class B, Add	44.26	
	For Seal Class A, Add	118.02	
	For 22 Gauge, Add	13.20	
	For 18 Gauge, Add	32.99	
	For 16 Gauge, Add	40.17	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	21.23	
	For 20 Gauge, Add	21.52	
	For Work In Restricted Working Space, Add	88.52	
	For 24 Gauge, Add	5.74	
23 31 13 16-0123	EA 10" x 10" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	390.95	88.70
	For Seal Class B, Add	53.21	
	For Seal Class A, Add	141.89	
	For 22 Gauge, Add	16.67	
	For 18 Gauge, Add	41.66	
	For 16 Gauge, Add	50.72	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	26.81	
	For 20 Gauge, Add	27.17	
	For Work In Restricted Working Space, Add	106.42	
	For 24 Gauge, Add	7.25	
23 31 13 16-0124	EA 12" x 12" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	474.97	107.74
	For Seal Class B, Add	64.65	
	For Seal Class A, Add	172.40	
	For 22 Gauge, Add	20.23	
	For 18 Gauge, Add	50.57	
	For 16 Gauge, Add	61.56	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	32.54	
	For 20 Gauge, Add	32.98	
	For Work In Restricted Working Space, Add	129.30	
	For 24 Gauge, Add	8.79	
23 31 13 16-0125	EA 14" x 14" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	565.43	128.08
	For Seal Class B, Add	76.96	
	For Seal Class A, Add	205.23	
	For 22 Gauge, Add	24.09	
	For 18 Gauge, Add	60.21	
	For 16 Gauge, Add	73.30	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	38.75	
	For 20 Gauge, Add	39.27	
	For Work In Restricted Working Space, Add	153.92	
	For 24 Gauge, Add	10.47	
23 31 13 16-0126	EA 16" x 16" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	719.06	164.70
	For Seal Class B, Add	98.75	
	For Seal Class A, Add	263.34	
	For 22 Gauge, Add	27.92	
	For 18 Gauge, Add	69.81	
	For 16 Gauge, Add	84.98	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	44.92	
	For 20 Gauge, Add	45.53	
	For Work In Restricted Working Space, Add	197.51	
	For 24 Gauge, Add	12.14	
23 31 13 16-0127	EA 18" x 18" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	798.48	182.76
	For Seal Class B, Add	109.57	
	For Seal Class A, Add	292.18	
	For 22 Gauge, Add	31.29	
	For 18 Gauge, Add	78.22	
	For 16 Gauge, Add	95.23	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	50.33	
	For 20 Gauge, Add	51.02	
	For Work In Restricted Working Space, Add	219.14	
	For 24 Gauge, Add	13.60	
23 31 13 16-0128	EA 20" x 20" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	907.76	207.99
	For Seal Class B, Add	124.55	
	For Seal Class A, Add	332.14	
	For 22 Gauge, Add	35.61	
	For 18 Gauge, Add	89.03	
	For 16 Gauge, Add	108.39	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	57.29	
	For 20 Gauge, Add	58.07	
	For Work In Restricted Working Space, Add	249.10	
	For 24 Gauge, Add	15.48	
23 31 13 16-0129	EA 22" x 22" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	972.71	221.83
	For Seal Class B, Add	132.96	
	For Seal Class A, Add	354.57	
	For 22 Gauge, Add	39.69	
	For 18 Gauge, Add	99.23	
	For 16 Gauge, Add	120.81	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	63.85	
	For 20 Gauge, Add	64.72	
	For Work In Restricted Working Space, Add	265.93	
	For 24 Gauge, Add	17.26	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0130	EA	24" x 24" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	1,055.37	240.54	
		For Seal Class B, Add	144.28		
		For Seal Class A, Add	384.74		
		For 22 Gauge, Add	43.01		
		For 18 Gauge, Add	107.54		
		For 16 Gauge, Add	130.91		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	69.20		
		For 20 Gauge, Add	70.13		
		For Work In Restricted Working Space, Add	288.56		
		For 24 Gauge, Add	18.70		
23 31 13 16-0131	EA	10" x 10" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	428.25	97.65	
		For Seal Class B, Add	58.52		
		For Seal Class A, Add	156.04		
		For 22 Gauge, Add	17.55		
		For 18 Gauge, Add	43.87		
		For 16 Gauge, Add	53.41		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	28.23		
		For 20 Gauge, Add	28.61		
		For Work In Restricted Working Space, Add	117.03		
		For 24 Gauge, Add	7.63		
23 31 13 16-0132	EA	12" x 12" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	520.47	118.81	
		For Seal Class B, Add	71.13		
		For Seal Class A, Add	189.68		
		For 22 Gauge, Add	21.28		
		For 18 Gauge, Add	53.21		
		For 16 Gauge, Add	64.78		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	34.24		
		For 20 Gauge, Add	34.70		
		For Work In Restricted Working Space, Add	142.26		
		For 24 Gauge, Add	9.25		
23 31 13 16-0133	EA	14" x 14" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	619.45	140.78	
		For Seal Class B, Add	84.65		
		For Seal Class A, Add	225.72		
		For 22 Gauge, Add	25.36		
		For 18 Gauge, Add	63.41		
		For 16 Gauge, Add	77.20		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	40.80		
		For 20 Gauge, Add	41.36		
		For Work In Restricted Working Space, Add	169.29		
		For 24 Gauge, Add	11.03		
23 31 13 16-0134	EA	16" x 16" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	719.08	164.05	
		For Seal Class B, Add	98.28		
		For Seal Class A, Add	262.07		
		For 22 Gauge, Add	29.39		
		For 18 Gauge, Add	73.49		
		For 16 Gauge, Add	89.46		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	47.29		
		For 20 Gauge, Add	47.93		
		For Work In Restricted Working Space, Add	196.55		
		For 24 Gauge, Add	12.78		
23 31 13 16-0135	EA	18" x 18" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	804.69	183.42	
		For Seal Class B, Add	109.96		
		For Seal Class A, Add	293.24		
		For 22 Gauge, Add	32.94		
		For 18 Gauge, Add	82.34		
		For 16 Gauge, Add	100.24		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	52.98		
		For 20 Gauge, Add	53.70		
		For Work In Restricted Working Space, Add	219.93		
		For 24 Gauge, Add	14.32		
23 31 13 16-0136	EA	20" x 20" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	915.23	208.64	
		For Seal Class B, Add	125.06		
		For Seal Class A, Add	333.50		
		For 22 Gauge, Add	37.48		
		For 18 Gauge, Add	93.70		
		For 16 Gauge, Add	114.07		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	60.30		
		For 20 Gauge, Add	61.11		
		For Work In Restricted Working Space, Add	250.13		
		For 24 Gauge, Add	16.30		
23 31 13 16-0137	EA	22" x 22" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	1,021.88	232.73	
		For Seal Class B, Add	139.66		
		For Seal Class A, Add	372.42		
		For 22 Gauge, Add	41.78		
		For 18 Gauge, Add	104.45		
		For 16 Gauge, Add	127.16		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	67.21		
		For 20 Gauge, Add	68.12		
		For Work In Restricted Working Space, Add	279.32		
		For 24 Gauge, Add	18.17		
23 31 13 16-0138	EA	24" x 24" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	1,108.02	252.59	
		For Seal Class B, Add	151.44		
		For Seal Class A, Add	403.84		
		For 22 Gauge, Add	45.27		
		For 18 Gauge, Add	113.18		
		For 16 Gauge, Add	137.79		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	72.83		
		For 20 Gauge, Add	73.82		
		For Work In Restricted Working Space, Add	302.88		
		For 24 Gauge, Add	19.68		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 31 13 16-0139	Slip Joint, Galvanized, Spiral Duct Reducers (23 31 13 16-0074)		
23 31 13 16-0140	EA 6" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer.....	141.90	32.55
	For Seal Class B, Add	19.53	
	For Seal Class A, Add	52.08	
	For 22 Gauge, Add	5.39	
	For 18 Gauge, Add	13.47	
	For 16 Gauge, Add	16.39	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	8.67	
	For 20 Gauge, Add	8.78	
	For Work In Restricted Working Space, Add	39.06	
	For 24 Gauge, Add	2.34	
23 31 13 16-0141	EA 8" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer.....	184.21	42.32
	For Seal Class B, Add	25.70	
	For Seal Class A, Add	68.53	
	For 22 Gauge, Add	5.93	
	For 18 Gauge, Add	14.82	
	For 16 Gauge, Add	18.05	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	9.54	
	For 20 Gauge, Add	9.67	
	For Work In Restricted Working Space, Add	51.40	
	For 24 Gauge, Add	2.58	
23 31 13 16-0142	EA 10" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer.....	231.26	53.71
	For Seal Class B, Add	32.55	
	For Seal Class A, Add	86.80	
	For 22 Gauge, Add	6.56	
	For 18 Gauge, Add	16.41	
	For 16 Gauge, Add	19.98	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	10.56	
	For 20 Gauge, Add	10.70	
	For Work In Restricted Working Space, Add	65.10	
	For 24 Gauge, Add	2.85	
23 31 13 16-0143	EA 12" x 10", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer.....	286.90	68.36
	For Seal Class B, Add	40.69	
	For Seal Class A, Add	108.50	
	For 22 Gauge, Add	7.20	
	For 18 Gauge, Add	18.00	
	For 16 Gauge, Add	21.91	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	11.58	
	For 20 Gauge, Add	11.74	
	For Work In Restricted Working Space, Add	81.38	
	For 24 Gauge, Add	3.13	
23 31 13 16-0144	EA 14" x 12", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer.....	313.32	74.86
	For Seal Class B, Add	44.39	
	For Seal Class A, Add	118.36	
	For 22 Gauge, Add	8.01	
	For 18 Gauge, Add	20.03	
	For 16 Gauge, Add	24.39	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	12.89	
	For 20 Gauge, Add	13.07	
	For Work In Restricted Working Space, Add	88.77	
	For 24 Gauge, Add	3.48	
23 31 13 16-0145	EA 16" x 14", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer.....	380.10	87.88
	For Seal Class B, Add	52.50	
	For Seal Class A, Add	140.00	
	For 22 Gauge, Add	13.85	
	For 18 Gauge, Add	34.63	
	For 16 Gauge, Add	42.15	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	22.28	
	For 20 Gauge, Add	22.58	
	For Work In Restricted Working Space, Add	105.00	
	For 24 Gauge, Add	6.02	
23 31 13 16-0146	EA 18" x 16", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer.....	466.17	109.04
	For Seal Class B, Add	65.10	
	For Seal Class A, Add	173.60	
	For 22 Gauge, Add	14.80	
	For 18 Gauge, Add	37.01	
	For 16 Gauge, Add	45.05	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	23.81	
	For 20 Gauge, Add	24.14	
	For Work In Restricted Working Space, Add	130.20	
	For 24 Gauge, Add	6.44	
23 31 13 16-0147	EA 20" x 18", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer.....	559.34	131.82
	For Seal Class B, Add	78.75	
	For Seal Class A, Add	210.00	
	For 22 Gauge, Add	15.80	
	For 18 Gauge, Add	39.50	
	For 16 Gauge, Add	48.09	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	25.42	
	For 20 Gauge, Add	25.76	
	For Work In Restricted Working Space, Add	157.50	
	For 24 Gauge, Add	6.87	
23 31 13 16-0148	EA 22" x 20", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer.....	650.65	152.99
	For Seal Class B, Add	92.12	
	For Seal Class A, Add	245.66	
	For 22 Gauge, Add	16.79	
	For 18 Gauge, Add	41.99	
	For 16 Gauge, Add	51.11	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	27.02	
	For 20 Gauge, Add	27.38	
	For Work In Restricted Working Space, Add	184.24	
	For 24 Gauge, Add	7.30	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0149	EA	24" x 22", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer.....	731.02	174.14
		For Seal Class B, Add	103.88	
		For Seal Class A, Add	277.02	
		For 22 Gauge, Add	17.70	
		For 18 Gauge, Add	44.25	
		For 16 Gauge, Add	53.87	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	28.48	
		For 20 Gauge, Add	28.86	
		For Work In Restricted Working Space, Add	207.76	
		For 24 Gauge, Add	7.70	
23 31 13 16-0150		Slip Joint, Galvanized, Spiral Duct Couplings (23 31 13 16-0074)		
23 31 13 16-0151	EA	4" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling.....	93.51	22.78
		For Seal Class B, Add	13.20	
		For Seal Class A, Add	35.19	
		For 22 Gauge, Add	2.55	
		For 18 Gauge, Add	6.37	
		For 16 Gauge, Add	7.76	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.10	
		For 20 Gauge, Add	4.16	
		For Work In Restricted Working Space, Add	26.39	
		For 24 Gauge, Add	1.11	
23 31 13 16-0152	EA	6" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling.....	136.49	32.55
		For Seal Class B, Add	19.53	
		For Seal Class A, Add	52.08	
		For 22 Gauge, Add	2.90	
		For 18 Gauge, Add	7.25	
		For 16 Gauge, Add	8.82	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.66	
		For 20 Gauge, Add	4.73	
		For Work In Restricted Working Space, Add	39.06	
		For 24 Gauge, Add	1.26	
23 31 13 16-0153	EA	8" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling.....	178.11	42.32
		For Seal Class B, Add	25.70	
		For Seal Class A, Add	68.53	
		For 22 Gauge, Add	3.12	
		For 18 Gauge, Add	7.81	
		For 16 Gauge, Add	9.51	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.02	
		For 20 Gauge, Add	5.09	
		For Work In Restricted Working Space, Add	51.40	
		For 24 Gauge, Add	1.36	
23 31 13 16-0154	EA	10" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling.....	224.27	53.71
		For Seal Class B, Add	32.55	
		For Seal Class A, Add	86.80	
		For 22 Gauge, Add	3.35	
		For 18 Gauge, Add	8.37	
		For 16 Gauge, Add	10.19	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.39	
		For 20 Gauge, Add	5.46	
		For Work In Restricted Working Space, Add	65.10	
		For 24 Gauge, Add	1.46	
23 31 13 16-0155	EA	12" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling.....	279.02	68.36
		For Seal Class B, Add	40.69	
		For Seal Class A, Add	108.50	
		For 22 Gauge, Add	3.57	
		For 18 Gauge, Add	8.94	
		For 16 Gauge, Add	10.88	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.75	
		For 20 Gauge, Add	5.83	
		For Work In Restricted Working Space, Add	81.38	
		For 24 Gauge, Add	1.55	
23 31 13 16-0156	EA	14" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling.....	304.17	74.86
		For Seal Class B, Add	44.39	
		For Seal Class A, Add	118.36	
		For 22 Gauge, Add	3.80	
		For 18 Gauge, Add	9.51	
		For 16 Gauge, Add	11.58	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.12	
		For 20 Gauge, Add	6.20	
		For Work In Restricted Working Space, Add	88.77	
		For 24 Gauge, Add	1.65	
23 31 13 16-0157	EA	16" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling.....	359.14	87.88
		For Seal Class B, Add	52.50	
		For Seal Class A, Add	140.00	
		For 22 Gauge, Add	4.21	
		For 18 Gauge, Add	10.52	
		For 16 Gauge, Add	12.81	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.77	
		For 20 Gauge, Add	6.86	
		For Work In Restricted Working Space, Add	105.00	
		For 24 Gauge, Add	1.83	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 31 13 16-0158	EA	18" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	443.63	109.04
		For Seal Class B, Add	65.10	
		For Seal Class A, Add	173.60	
		For 22 Gauge, Add	4.43	
		For 18 Gauge, Add	11.09	
		For 16 Gauge, Add	13.50	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	7.13	
		For 20 Gauge, Add	7.23	
		For Work In Restricted Working Space, Add	130.20	
		For 24 Gauge, Add	1.93	
23 31 13 16-0159	EA	20" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	535.23	131.82
		For Seal Class B, Add	78.75	
		For Seal Class A, Add	210.00	
		For 22 Gauge, Add	4.71	
		For 18 Gauge, Add	11.78	
		For 16 Gauge, Add	14.34	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	7.58	
		For 20 Gauge, Add	7.68	
		For Work In Restricted Working Space, Add	157.50	
		For 24 Gauge, Add	2.05	
23 31 13 16-0160	EA	22 Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	624.77	307.59
		For Seal Class B, Add	92.12	
		For Seal Class A, Add	245.66	
		For 22 Gauge, Add	4.89	
		For 18 Gauge, Add	12.22	
		For 16 Gauge, Add	14.88	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	7.87	
		For 20 Gauge, Add	7.97	
		For Work In Restricted Working Space, Add	184.24	
		For 24 Gauge, Add	2.13	
23 31 13 16-0161	EA	24" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	703.76	346.65
		For Seal Class B, Add	103.88	
		For Seal Class A, Add	277.02	
		For 22 Gauge, Add	5.16	
		For 18 Gauge, Add	12.90	
		For 16 Gauge, Add	15.71	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	8.30	
		For 20 Gauge, Add	8.42	
		For Work In Restricted Working Space, Add	207.76	
		For 24 Gauge, Add	2.24	

23 31 13 16-0162 Slip Joint, Galvanized, Spiral Duct Caps (23 31 13 16-0074)

23 31 13 16-0163	EA	4" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	50.49	22.78
		For Seal Class B, Add	6.60	
		For Seal Class A, Add	17.60	
		For 22 Gauge, Add	2.99	
		For 18 Gauge, Add	7.48	
		For 16 Gauge, Add	9.10	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.81	
		For 20 Gauge, Add	4.88	
		For Work In Restricted Working Space, Add	13.20	
		For 24 Gauge, Add	1.30	
23 31 13 16-0164	EA	6" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	72.38	32.55
		For Seal Class B, Add	9.77	
		For Seal Class A, Add	26.04	
		For 22 Gauge, Add	3.35	
		For 18 Gauge, Add	8.37	
		For 16 Gauge, Add	10.19	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.39	
		For 20 Gauge, Add	5.46	
		For Work In Restricted Working Space, Add	19.53	
		For 24 Gauge, Add	1.46	
23 31 13 16-0165	EA	8" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	93.62	43.94
		For Seal Class B, Add	12.85	
		For Seal Class A, Add	34.26	
		For 22 Gauge, Add	3.67	
		For 18 Gauge, Add	9.17	
		For 16 Gauge, Add	11.16	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.90	
		For 20 Gauge, Add	5.98	
		For Work In Restricted Working Space, Add	25.70	
		For 24 Gauge, Add	1.59	
23 31 13 16-0166	EA	10" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	117.36	55.33
		For Seal Class B, Add	16.28	
		For Seal Class A, Add	43.40	
		For 22 Gauge, Add	4.08	
		For 18 Gauge, Add	10.19	
		For 16 Gauge, Add	12.40	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.56	
		For 20 Gauge, Add	6.65	
		For Work In Restricted Working Space, Add	32.55	
		For 24 Gauge, Add	1.77	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0167	EA	12" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	145.46	68.36
		For Seal Class B, Add	20.34	
		For Seal Class A, Add	54.25	
		For 22 Gauge, Add	4.53	
		For 18 Gauge, Add	11.32	
		For 16 Gauge, Add	13.78	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	7.28	
		For 20 Gauge, Add	7.38	
		For Work In Restricted Working Space, Add	40.69	
		For 24 Gauge, Add	1.97	
23 31 13 16-0168	EA	14" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	158.78	74.86
		For Seal Class B, Add	22.19	
		For Seal Class A, Add	59.18	
		For 22 Gauge, Add	4.98	
		For 18 Gauge, Add	12.45	
		For 16 Gauge, Add	15.16	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	8.01	
		For 20 Gauge, Add	8.12	
		For Work In Restricted Working Space, Add	44.39	
		For 24 Gauge, Add	2.17	
23 31 13 16-0169	EA	16" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	183.82	86.26
		For Seal Class B, Add	25.70	
		For Seal Class A, Add	68.53	
		For 22 Gauge, Add	5.75	
		For 18 Gauge, Add	14.38	
		For 16 Gauge, Add	17.50	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	9.25	
		For 20 Gauge, Add	9.38	
		For Work In Restricted Working Space, Add	51.40	
		For 24 Gauge, Add	2.50	
23 31 13 16-0170	EA	18" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	259.11	109.04
		For Seal Class B, Add	32.55	
		For Seal Class A, Add	86.80	
		For 22 Gauge, Add	19.38	
		For 18 Gauge, Add	48.44	
		For 16 Gauge, Add	58.97	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	31.17	
		For 20 Gauge, Add	31.59	
		For Work In Restricted Working Space, Add	65.10	
		For 24 Gauge, Add	8.42	
23 31 13 16-0171	EA	20" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	316.92	135.08
		For Seal Class B, Add	40.69	
		For Seal Class A, Add	108.50	
		For 22 Gauge, Add	21.01	
		For 18 Gauge, Add	52.52	
		For 16 Gauge, Add	63.94	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	33.80	
		For 20 Gauge, Add	34.25	
		For Work In Restricted Working Space, Add	81.38	
		For 24 Gauge, Add	9.13	
23 31 13 16-0172	EA	22" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	345.11	148.10
		For Seal Class B, Add	44.39	
		For Seal Class A, Add	118.36	
		For 22 Gauge, Add	22.64	
		For 18 Gauge, Add	56.59	
		For 16 Gauge, Add	68.89	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	36.42	
		For 20 Gauge, Add	36.91	
		For Work In Restricted Working Space, Add	88.77	
		For 24 Gauge, Add	9.84	
23 31 13 16-0173	EA	24" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	399.12	172.51
		For Seal Class B, Add	51.94	
		For Seal Class A, Add	138.51	
		For 22 Gauge, Add	24.31	
		For 18 Gauge, Add	60.78	
		For 16 Gauge, Add	73.99	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	39.11	
		For 20 Gauge, Add	39.64	
		For Work In Restricted Working Space, Add	103.88	
		For 24 Gauge, Add	10.57	
23 31 13 19 Metal Duct Fittings (23 31 13)				
23 31 13 19-0001 Sheet Metal Baffles (23 31 13 19)				
23 31 13 19-0002	LF	Sheet Metal Baffles Under Raised Floor	56.35	45.43
		For Work In Restricted Working Space, Add	16.61	
		For Elevated Installation >10' To 15', Add	5.54	
		For Elevated Installation >15' To 20', Add	11.07	
		For Elevated Installation >20' To 25', Add	13.84	
		For Elevated Installation >25' To 30', Add	19.38	
		For Elevated Installation >30' To 35', Add	22.15	
		For Elevated Installation >35' To 40', Add	27.69	
		For Elevated Installation >40', Add	30.45	
23 31 13 19-0003 Duct Register Boots (23 31 13 19)				
23 31 13 19-0004	EA	10" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel	53.55	22.06
		For Stainless Steel, Add	12.23	
23 31 13 19-0005	EA	10" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel	53.55	22.06
		For Stainless Steel, Add	12.23	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 31 13 19-0006	EA	12" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel.....	57.28	23.83
		<i>For Stainless Steel, Add</i>	12.51	
23 31 13 19-0007	EA	12" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel.....	57.28	23.83
		<i>For Stainless Steel, Add</i>	12.51	
23 31 13 19-0008	EA	12" x 2-1/4" x 7" Register Boot, 90 Degree, Galvanized Steel.....	59.60	23.83
		<i>For Stainless Steel, Add</i>	15.52	
23 31 13 19-0009	EA	14" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel.....	61.96	25.60
		<i>For Stainless Steel, Add</i>	14.00	
23 31 13 19-0010	EA	14" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel.....	61.96	25.60
		<i>For Stainless Steel, Add</i>	14.00	
23 31 13 19-0011	EA	14" x 2-1/4" x 7" Register Boot, 90 Degree, Galvanized Steel.....	63.40	25.60
		<i>For Stainless Steel, Add</i>	15.87	
23 31 13 19-0012	EA	10" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel.....	63.20	27.36
		<i>For Stainless Steel, Add</i>	11.01	
23 31 13 19-0013	EA	12" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel.....	66.97	29.13
		<i>For Stainless Steel, Add</i>	11.34	
23 31 13 19-0014	EA	12" x 4" x 7" Register Boot, 90 Degree, Galvanized Steel.....	72.89	29.13
		<i>For Stainless Steel, Add</i>	19.03	
23 31 13 19-0015	EA	14" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel.....	71.03	30.89
		<i>For Stainless Steel, Add</i>	12.01	
23 31 13 19-0016	EA	14" x 4" x 7" Register Boot, 90 Degree, Galvanized Steel.....	76.82	30.89
		<i>For Stainless Steel, Add</i>	19.54	
23 31 13 19-0017	EA	12" x 2-1/4" x 5" Register Boot, Center, Galvanized Steel.....	55.88	23.83
		<i>For Stainless Steel, Add</i>	10.69	
23 31 13 19-0018	EA	12" x 2-1/4" x 6" Register Boot, Center, Galvanized Steel.....	55.88	23.83
		<i>For Stainless Steel, Add</i>	10.69	
23 31 13 19-0019	EA	14" x 2-1/4" x 6" Register Boot, Center, Galvanized Steel.....	60.36	25.60
		<i>For Stainless Steel, Add</i>	11.91	
23 31 13 19-0020	EA	14" x 2-1/4" x 7" Register Boot, Center, Galvanized Steel.....	61.74	25.60
		<i>For Stainless Steel, Add</i>	13.70	
23 31 13 19-0021	EA	10" x 4" x 6" Register Boot, Center, Galvanized Steel.....	63.39	27.36
		<i>For Stainless Steel, Add</i>	11.26	
23 31 13 19-0022	EA	12" x 4" x 6" Register Boot, Center, Galvanized Steel.....	67.14	29.13
		<i>For Stainless Steel, Add</i>	11.56	
23 31 13 19-0023	EA	12" x 2-1/4" x 6" Register Boot, End, Galvanized Steel.....	56.82	23.83
		<i>For Stainless Steel, Add</i>	11.91	
23 31 13 19-0024	EA	14" x 2-1/4" x 6" Register Boot, End, Galvanized Steel.....	60.92	25.60
		<i>For Stainless Steel, Add</i>	12.64	
23 31 13 19-0025	EA	10" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel.....	53.55	22.06
		<i>For Stainless Steel, Add</i>	12.23	
23 31 13 19-0026	EA	12" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel.....	57.28	23.83
		<i>For Stainless Steel, Add</i>	12.51	
23 31 13 19-0027	EA	14" x 2-1/4" x 5" Register Boot, Universal, Galvanized Steel.....	61.97	25.60
		<i>For Stainless Steel, Add</i>	14.00	
23 31 13 19-0028	EA	14" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel.....	61.97	25.60
		<i>For Stainless Steel, Add</i>	14.00	
23 31 13 19-0029	EA	10" x 4" x 6" Register Boot, Universal, Galvanized Steel.....	63.20	27.36
		<i>For Stainless Steel, Add</i>	11.01	
23 31 13 19-0030	EA	12" x 4" x 6" Register Boot, Universal, Galvanized Steel.....	66.97	29.13
		<i>For Stainless Steel, Add</i>	11.34	
23 31 13 19-0031	EA	12" x 4" x 7" Register Boot, Universal, Galvanized Steel.....	72.89	29.13
		<i>For Stainless Steel, Add</i>	19.03	
23 31 13 19-0032	EA	14" x 4" x 7" Register Boot, Universal, Galvanized Steel.....	76.43	30.89
		<i>For Stainless Steel, Add</i>	19.03	

23 31 13 23 Galvanized Steel Welded Duct (23 31 13)

Note: All field fabricated duct is assembled from flat duct sheets on site to fit to exact field conditions. Ductwork which is fabricated off site or snap-fitting duct is considered as shop fabricated.

23 31 13 23-0001 Welded Steel Ductwork (23 31 13 23)

Note: Ductwork poundage includes all fittings, transitions, collars, straps, support straps, etc.

23 31 13 23-0002 Galvanized Steel Welded Duct, For Kitchen (23 31 13 23-0001)

Note: Also includes special exhaust systems and waste.

23 31 13 23-0003	LB	Galvanized Steel Welded Duct.....	31.60	13.77
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	2.95	
		<i>For Work In Restricted Working Space, Add</i>	8.28	
		<i>For Elevated Installation >10' To 15', Add</i>	2.76	
		<i>For Elevated Installation >15' To 20', Add</i>	5.52	
		<i>For Elevated Installation >20' To 25', Add</i>	6.90	
		<i>For Elevated Installation >25' To 30', Add</i>	9.66	
		<i>For Elevated Installation >30' To 35', Add</i>	11.04	
		<i>For Elevated Installation >35' To 40', Add</i>	13.81	
		<i>For Elevated Installation >40', Add</i>	15.19	

23 31 13 23-0004 Black Steel Ductwork (23 31 13 23-0001)

23 31 13 23-0005	LB	Black Steel Ductwork.....	29.30	14.20
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	0.67	
		<i>For Work In Restricted Working Space, Add</i>	8.52	
		<i>For Elevated Installation >10' To 15', Add</i>	2.84	
		<i>For Elevated Installation >15' To 20', Add</i>	5.68	
		<i>For Elevated Installation >20' To 25', Add</i>	7.10	
		<i>For Elevated Installation >25' To 30', Add</i>	9.94	
		<i>For Elevated Installation >30' To 35', Add</i>	11.36	
		<i>For Elevated Installation >35' To 40', Add</i>	14.20	
		<i>For Elevated Installation >40', Add</i>	15.62	

23 31 16 Non-metal Ducts (23 31)

23 31 16 13 Fibrous-Glass Ducts (23 31 16)

23 31 16 13-0001 Glass Fiber Duct Board (23 31 16 13)

Note: Rigid, rectangular boards faced on one side with a fire-resistant foil-scrim-kraft (FSK) vapor retarder and a lightweight fiber glass mat on the airstream surface.

23 31 16 13-0002	SF	1" Glass Fiber Duct Board (EI-475)	13.73	2.84
23 31 16 13-0003	SF	1-1/2" Glass Fiber Duct Board (EI-800)	16.05	3.12
23 31 16 13-0004	SF	2" Glass Fiber Duct Board (EI-800)	18.47	3.44

23 31 16 16 Thermoset Fiberglass-Reinforced Plastic Ducts (23 31 16)

23 31 16 16-0001 Fiber Reinforced Round Plastic Duct (23 31 16 16)

23 31 16 16-0002 Fiber Reinforced Round Plastic Duct (23 31 16 16-0001)

23 31 16 16-0003	LF	2" Fiber Reinforced Plastic Duct	19.81	6.06
23 31 16 16-0004	LF	3" Fiber Reinforced Plastic Duct	24.88	7.10
23 31 16 16-0005	LF	4" Fiber Reinforced Plastic Duct	33.62	10.41
23 31 16 16-0006	LF	6" Fiber Reinforced Plastic Duct	44.69	13.16
23 31 16 16-0007	LF	8" Fiber Reinforced Plastic Duct	56.67	16.47
23 31 16 16-0008	LF	10" Fiber Reinforced Plastic Duct	68.36	19.80
23 31 16 16-0009	LF	12" Fiber Reinforced Plastic Duct	76.80	23.12
23 31 16 16-0010	LF	14" Fiber Reinforced Plastic Duct	87.84	25.28
23 31 16 16-0011	LF	16" Fiber Reinforced Plastic Duct	95.02	26.89
23 31 16 16-0012	LF	18" Fiber Reinforced Plastic Duct	118.79	30.21
23 31 16 16-0013	LF	20" Fiber Reinforced Plastic Duct	124.82	32.38
23 31 16 16-0014	LF	24" Fiber Reinforced Plastic Duct	155.02	34.56
23 31 16 16-0015	LF	30" Fiber Reinforced Plastic Duct	177.47	40.04
23 31 16 16-0016	LF	36" Fiber Reinforced Plastic Duct	204.47	48.29
23 31 16 16-0017	LF	42" Fiber Reinforced Plastic Duct	275.58	53.78
23 31 16 16-0018	LF	48" Fiber Reinforced Plastic Duct	308.69	60.41
23 31 16 16-0019	LF	54" Fiber Reinforced Plastic Duct	342.52	69.22
23 31 16 16-0020	LF	60" Fiber Reinforced Plastic Duct	388.30	80.78
23 31 16 16-0021	LF	66" Fiber Reinforced Plastic Duct	414.07	98.86
23 31 16 16-0022	LF	72" Fiber Reinforced Plastic Duct	505.26	120.82

23 31 16 16-0023 Fiber Reinforced Plastic Bell (23 31 16 16-0001)

23 31 16 16-0024	EA	2" Fiber Reinforced Plastic Bell	67.48	24.60
23 31 16 16-0025	EA	3" Fiber Reinforced Plastic Bell	81.21	29.18
23 31 16 16-0026	EA	4" Fiber Reinforced Plastic Bell	93.79	34.32
23 31 16 16-0027	EA	6" Fiber Reinforced Plastic Bell	123.52	45.77
23 31 16 16-0028	EA	8" Fiber Reinforced Plastic Bell	150.98	57.21
23 31 16 16-0029	EA	10" Fiber Reinforced Plastic Bell	176.16	68.65
23 31 16 16-0030	EA	12" Fiber Reinforced Plastic Bell	218.47	85.24
23 31 16 16-0031	EA	14" Fiber Reinforced Plastic Bell	233.34	91.53
23 31 16 16-0032	EA	16" Fiber Reinforced Plastic Bell	252.78	97.83
23 31 16 16-0033	EA	18" Fiber Reinforced Plastic Bell	272.24	105.27
23 31 16 16-0034	EA	20" Fiber Reinforced Plastic Bell	297.39	114.42
23 31 16 16-0035	EA	24" Fiber Reinforced Plastic Bell	343.12	125.86
23 31 16 16-0036	EA	30" Fiber Reinforced Plastic Bell	395.71	137.31
23 31 16 16-0037	EA	36" Fiber Reinforced Plastic Bell	448.34	154.46
23 31 16 16-0038	EA	42" Fiber Reinforced Plastic Bell	500.94	171.63
23 31 16 16-0039	EA	48" Fiber Reinforced Plastic Bell	553.53	188.80
23 31 16 16-0040	EA	54" Fiber Reinforced Plastic Bell	686.19	228.84
23 31 16 16-0041	EA	60" Fiber Reinforced Plastic Bell	823.46	286.05
23 31 16 16-0042	EA	66" Fiber Reinforced Plastic Bell	988.10	343.26
23 31 16 16-0043	EA	72" Fiber Reinforced Plastic Bell	1,130.07	389.03

23 31 16 16-0044 Fiber Reinforced Plastic Flange (23 31 16 16-0001)

23 31 16 16-0045	EA	2" Fiber Reinforced Plastic Flange	104.04	24.60
23 31 16 16-0046	EA	3" Fiber Reinforced Plastic Flange	120.06	29.18
23 31 16 16-0047	EA	4" Fiber Reinforced Plastic Flange	137.20	34.32
23 31 16 16-0048	EA	6" Fiber Reinforced Plastic Flange	178.36	45.77
23 31 16 16-0049	EA	8" Fiber Reinforced Plastic Flange	217.25	57.21
23 31 16 16-0050	EA	10" Fiber Reinforced Plastic Flange	256.14	68.65
23 31 16 16-0051	EA	12" Fiber Reinforced Plastic Flange	303.02	85.24
23 31 16 16-0052	EA	14" Fiber Reinforced Plastic Flange	336.17	91.53
23 31 16 16-0053	EA	16" Fiber Reinforced Plastic Flange	367.03	97.83
23 31 16 16-0054	EA	18" Fiber Reinforced Plastic Flange	391.06	105.27
23 31 16 16-0055	EA	20" Fiber Reinforced Plastic Flange	411.65	114.42
23 31 16 16-0056	EA	24" Fiber Reinforced Plastic Flange	480.23	125.86
23 31 16 16-0057	EA	30" Fiber Reinforced Plastic Flange	528.25	137.31
23 31 16 16-0058	EA	36" Fiber Reinforced Plastic Flange	647.14	154.46
23 31 16 16-0059	EA	42" Fiber Reinforced Plastic Flange	720.31	171.63
23 31 16 16-0060	EA	48" Fiber Reinforced Plastic Flange	816.32	188.80
23 31 16 16-0061	EA	54" Fiber Reinforced Plastic Flange	960.40	228.84
23 31 16 16-0062	EA	60" Fiber Reinforced Plastic Flange	1,150.23	286.05
23 31 16 16-0063	EA	66" Fiber Reinforced Plastic Flange	1,340.01	343.26
23 31 16 16-0064	EA	72" Fiber Reinforced Plastic Flange	1,532.24	389.03

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 31 16 16-0065 Fiber Reinforced Plastic 90 Degree Elbow (23 31 16 16-0001)			
23 31 16 16-0066	EA	2" Fiber Reinforced Plastic 90 Degree Elbow	174.27 59.27
23 31 16 16-0067	EA	3" Fiber Reinforced Plastic 90 Degree Elbow	204.92 70.82
23 31 16 16-0068	EA	4" Fiber Reinforced Plastic 90 Degree Elbow	237.84 82.38
23 31 16 16-0069	EA	6" Fiber Reinforced Plastic 90 Degree Elbow	308.75 109.84
23 31 16 16-0070	EA	8" Fiber Reinforced Plastic 90 Degree Elbow	379.66 137.31
23 31 16 16-0071	EA	10" Fiber Reinforced Plastic 90 Degree Elbow	450.57 164.76
23 31 16 16-0072	EA	12" Fiber Reinforced Plastic 90 Degree Elbow	553.98 204.93
23 31 16 16-0073	EA	14" Fiber Reinforced Plastic 90 Degree Elbow	624.38 216.94
23 31 16 16-0074	EA	16" Fiber Reinforced Plastic 90 Degree Elbow	708.05 235.60
23 31 16 16-0075	EA	18" Fiber Reinforced Plastic 90 Degree Elbow	836.99 252.64
23 31 16 16-0076	EA	20" Fiber Reinforced Plastic 90 Degree Elbow	960.47 274.61
23 31 16 16-0077	EA	24" Fiber Reinforced Plastic 90 Degree Elbow	1,109.07 302.07
23 31 16 16-0078	EA	30" Fiber Reinforced Plastic 90 Degree Elbow	1,474.73 329.53
23 31 16 16-0079	EA	36" Fiber Reinforced Plastic 90 Degree Elbow	1,874.76 370.72
23 31 16 16-0080	EA	42" Fiber Reinforced Plastic 90 Degree Elbow	2,446.16 412.03
23 31 16 16-0081	EA	48" Fiber Reinforced Plastic 90 Degree Elbow	2,891.92 453.22
23 31 16 16-0082	EA	54" Fiber Reinforced Plastic 90 Degree Elbow	3,428.97 549.22
23 31 16 16-0083	EA	60" Fiber Reinforced Plastic 90 Degree Elbow	4,160.53 686.52
23 31 16 16-0084	EA	66" Fiber Reinforced Plastic 90 Degree Elbow	4,891.66 823.60
23 31 16 16-0085	EA	72" Fiber Reinforced Plastic 90 Degree Elbow	5,577.25 933.33

23 31 16 16-0086 Fiber Reinforced Plastic 45 Degree Elbow (23 31 16 16-0001)			
23 31 16 16-0087	EA	2" Fiber Reinforced Plastic 45 Degree Elbow	149.12 59.27
23 31 16 16-0088	EA	3" Fiber Reinforced Plastic 45 Degree Elbow	175.22 70.82
23 31 16 16-0089	EA	4" Fiber Reinforced Plastic 45 Degree Elbow	203.55 82.38
23 31 16 16-0090	EA	6" Fiber Reinforced Plastic 45 Degree Elbow	258.48 109.84
23 31 16 16-0091	EA	8" Fiber Reinforced Plastic 45 Degree Elbow	313.39 137.31
23 31 16 16-0092	EA	10" Fiber Reinforced Plastic 45 Degree Elbow	372.96 164.76
23 31 16 16-0093	EA	12" Fiber Reinforced Plastic 45 Degree Elbow	460.38 204.93
23 31 16 16-0094	EA	14" Fiber Reinforced Plastic 45 Degree Elbow	498.61 216.94
23 31 16 16-0095	EA	16" Fiber Reinforced Plastic 45 Degree Elbow	589.02 235.48
23 31 16 16-0096	EA	18" Fiber Reinforced Plastic 45 Degree Elbow	672.76 252.86
23 31 16 16-0097	EA	20" Fiber Reinforced Plastic 45 Degree Elbow	773.02 274.61
23 31 16 16-0098	EA	24" Fiber Reinforced Plastic 45 Degree Elbow	886.89 301.84
23 31 16 16-0099	EA	30" Fiber Reinforced Plastic 45 Degree Elbow	1,108.68 329.31
23 31 16 16-0100	EA	36" Fiber Reinforced Plastic 45 Degree Elbow	1,347.44 371.07
23 31 16 16-0101	EA	42" Fiber Reinforced Plastic 45 Degree Elbow	1,699.43 412.26
23 31 16 16-0102	EA	48" Fiber Reinforced Plastic 45 Degree Elbow	1,989.30 453.22
23 31 16 16-0103	EA	54" Fiber Reinforced Plastic 45 Degree Elbow	2,373.25 549.22
23 31 16 16-0104	EA	60" Fiber Reinforced Plastic 45 Degree Elbow	2,853.45 686.52
23 31 16 16-0105	EA	66" Fiber Reinforced Plastic 45 Degree Elbow	3,358.01 822.00
23 31 16 16-0106	EA	72" Fiber Reinforced Plastic 45 Degree Elbow	3,796.57 934.24

23 31 16 16-0107 Fiber Reinforced Plastic Tee (23 31 16 16-0001)			
23 31 16 16-0108	EA	2" Fiber Reinforced Plastic Tee	227.36 88.44
23 31 16 16-0109	EA	3" Fiber Reinforced Plastic Tee	268.97 106.53
23 31 16 16-0110	EA	4" Fiber Reinforced Plastic Tee	308.78 123.57
23 31 16 16-0111	EA	6" Fiber Reinforced Plastic Tee	400.30 164.76
23 31 16 16-0112	EA	8" Fiber Reinforced Plastic Tee	490.00 204.93
23 31 16 16-0113	EA	10" Fiber Reinforced Plastic Tee	585.11 248.29
23 31 16 16-0114	EA	12" Fiber Reinforced Plastic Tee	707.24 300.92
23 31 16 16-0115	EA	14" Fiber Reinforced Plastic Tee	771.30 325.64
23 31 16 16-0116	EA	16" Fiber Reinforced Plastic Tee	886.61 353.79
23 31 16 16-0117	EA	18" Fiber Reinforced Plastic Tee	997.22 378.96
23 31 16 16-0118	EA	20" Fiber Reinforced Plastic Tee	1,143.65 412.03
23 31 16 16-0119	EA	24" Fiber Reinforced Plastic Tee	1,303.77 453.22
23 31 16 16-0120	EA	30" Fiber Reinforced Plastic Tee	1,543.46 494.18
23 31 16 16-0121	EA	36" Fiber Reinforced Plastic Tee	1,841.27 556.31
23 31 16 16-0122	EA	42" Fiber Reinforced Plastic Tee	2,401.14 618.10
23 31 16 16-0123	EA	48" Fiber Reinforced Plastic Tee	2,847.15 680.00
23 31 16 16-0124	EA	54" Fiber Reinforced Plastic Tee	3,430.52 824.40
23 31 16 16-0125	EA	60" Fiber Reinforced Plastic Tee	4,116.36 1,030.25
23 31 16 16-0126	EA	66" Fiber Reinforced Plastic Tee	4,801.53 1,235.63
23 31 16 16-0127	EA	72" Fiber Reinforced Plastic Tee	5,420.00 1,401.08

23 31 16 16-0128 Fiber Reinforced Plastic Lateral Joint (23 31 16 16-0001)			
23 31 16 16-0129	EA	2" Fiber Reinforced Plastic Lateral Joint	193.06 88.44
23 31 16 16-0130	EA	3" Fiber Reinforced Plastic Lateral Joint	227.81 106.53
23 31 16 16-0131	EA	4" Fiber Reinforced Plastic Lateral Joint	260.83 123.57
23 31 16 16-0132	EA	6" Fiber Reinforced Plastic Lateral Joint	334.11 164.76
23 31 16 16-0133	EA	8" Fiber Reinforced Plastic Lateral Joint	405.53 204.93
23 31 16 16-0134	EA	10" Fiber Reinforced Plastic Lateral Joint	486.91 248.29
23 31 16 16-0135	EA	12" Fiber Reinforced Plastic Lateral Joint	584.10 301.15
23 31 16 16-0136	EA	14" Fiber Reinforced Plastic Lateral Joint	633.68 325.41
23 31 16 16-0137	EA	16" Fiber Reinforced Plastic Lateral Joint	694.90 353.90
23 31 16 16-0138	EA	18" Fiber Reinforced Plastic Lateral Joint	750.99 379.31
23 31 16 16-0139	EA	20" Fiber Reinforced Plastic Lateral Joint	819.67 412.26
23 31 16 16-0140	EA	24" Fiber Reinforced Plastic Lateral Joint	906.17 453.22
23 31 16 16-0141	EA	30" Fiber Reinforced Plastic Lateral Joint	999.13 493.95
23 31 16 16-0142	EA	36" Fiber Reinforced Plastic Lateral Joint	1,127.72 555.97

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 16-0143	EA	42" Fiber Reinforced Plastic Lateral Joint	1,259.33	618.45
23 31 16 16-0144	EA	48" Fiber Reinforced Plastic Lateral Joint	1,384.24	679.78
23 31 16 16-0145	EA	54" Fiber Reinforced Plastic Lateral Joint	1,655.61	822.00
23 31 16 16-0146	EA	60" Fiber Reinforced Plastic Lateral Joint	2,028.58	1,032.07
23 31 16 16-0147	EA	66" Fiber Reinforced Plastic Lateral Joint	2,449.36	1,236.54
23 31 16 16-0148	EA	72" Fiber Reinforced Plastic Lateral Joint	2,746.44	1,401.08
23 31 16 16-0149 Fiber Reinforced Plastic One Piece Reducer (23 31 16 16-0001)				
23 31 16 16-0150	EA	2" Fiber Reinforced Plastic One Piece Reducer	158.30	59.39
23 31 16 16-0151	EA	3" Fiber Reinforced Plastic One Piece Reducer	186.69	70.94
23 31 16 16-0152	EA	4" Fiber Reinforced Plastic One Piece Reducer	219.62	82.38
23 31 16 16-0153	EA	6" Fiber Reinforced Plastic One Piece Reducer	283.61	109.84
23 31 16 16-0154	EA	8" Fiber Reinforced Plastic One Piece Reducer	343.10	137.31
23 31 16 16-0155	EA	10" Fiber Reinforced Plastic One Piece Reducer	412.82	165.45
23 31 16 16-0156	EA	12" Fiber Reinforced Plastic One Piece Reducer	492.37	204.93
23 31 16 16-0157	EA	14" Fiber Reinforced Plastic One Piece Reducer	526.03	216.94
23 31 16 16-0158	EA	16" Fiber Reinforced Plastic One Piece Reducer	579.88	235.48
23 31 16 16-0159	EA	18" Fiber Reinforced Plastic One Piece Reducer	636.20	252.86
23 31 16 16-0160	EA	20" Fiber Reinforced Plastic One Piece Reducer	709.04	274.61
23 31 16 16-0161	EA	24" Fiber Reinforced Plastic One Piece Reducer	805.69	302.41
23 31 16 16-0162	EA	30" Fiber Reinforced Plastic One Piece Reducer	902.01	330.10
23 31 16 16-0163	EA	36" Fiber Reinforced Plastic One Piece Reducer	1,020.67	371.07
23 31 16 16-0164	EA	42" Fiber Reinforced Plastic One Piece Reducer	1,139.58	412.26
23 31 16 16-0165	EA	48" Fiber Reinforced Plastic One Piece Reducer	1,280.92	453.22
23 31 16 16-0166	EA	54" Fiber Reinforced Plastic One Piece Reducer	1,520.91	549.22
23 31 16 16-0167	EA	60" Fiber Reinforced Plastic One Piece Reducer	1,822.87	686.52
23 31 16 16-0168	EA	66" Fiber Reinforced Plastic One Piece Reducer	2,055.50	822.00
23 31 16 16-0169	EA	72" Fiber Reinforced Plastic One Piece Reducer	2,311.25	934.24
23 31 16 16-0170 Fiber Reinforced Plastic Two Piece Reducer (23 31 16 16-0001)				
23 31 16 16-0171	EA	2" Fiber Reinforced Plastic Two Piece Reducer	185.72	59.39
23 31 16 16-0172	EA	3" Fiber Reinforced Plastic Two Piece Reducer	204.97	70.94
23 31 16 16-0173	EA	4" Fiber Reinforced Plastic Two Piece Reducer	237.90	82.38
23 31 16 16-0174	EA	6" Fiber Reinforced Plastic Two Piece Reducer	308.75	109.84
23 31 16 16-0175	EA	8" Fiber Reinforced Plastic Two Piece Reducer	379.66	137.31
23 31 16 16-0176	EA	10" Fiber Reinforced Plastic Two Piece Reducer	451.66	165.45
23 31 16 16-0177	EA	12" Fiber Reinforced Plastic Two Piece Reducer	542.64	204.93
23 31 16 16-0178	EA	14" Fiber Reinforced Plastic Two Piece Reducer	590.01	216.94
23 31 16 16-0179	EA	16" Fiber Reinforced Plastic Two Piece Reducer	643.86	235.48
23 31 16 16-0180	EA	18" Fiber Reinforced Plastic Two Piece Reducer	723.03	252.86
23 31 16 16-0181	EA	20" Fiber Reinforced Plastic Two Piece Reducer	900.99	274.61
23 31 16 16-0182	EA	24" Fiber Reinforced Plastic Two Piece Reducer	1,086.76	302.41
23 31 16 16-0183	EA	30" Fiber Reinforced Plastic Two Piece Reducer	1,167.08	330.10
23 31 16 16-0184	EA	36" Fiber Reinforced Plastic Two Piece Reducer	1,326.87	371.07
23 31 16 16-0185	EA	42" Fiber Reinforced Plastic Two Piece Reducer	1,441.21	412.26
23 31 16 16-0186	EA	48" Fiber Reinforced Plastic Two Piece Reducer	1,577.99	453.22
23 31 16 16-0187	EA	54" Fiber Reinforced Plastic Two Piece Reducer	1,760.85	549.22
23 31 16 16-0188	EA	60" Fiber Reinforced Plastic Two Piece Reducer	2,049.10	686.52
23 31 16 16-0189	EA	66" Fiber Reinforced Plastic Two Piece Reducer	2,306.86	822.00
23 31 16 16-0190	EA	72" Fiber Reinforced Plastic Two Piece Reducer	2,539.76	934.24
23 31 16 16-0191 Fiber Reinforced Plastic Butterfly Dampers (23 31 16 16-0001)				
23 31 16 16-0192	EA	2" Fiber Reinforced Plastic Damper	472.56	59.27
23 31 16 16-0193	EA	3" Fiber Reinforced Plastic Damper	531.15	70.82
23 31 16 16-0194	EA	4" Fiber Reinforced Plastic Damper	589.70	82.38
23 31 16 16-0195	EA	6" Fiber Reinforced Plastic Damper	694.48	109.84
23 31 16 16-0196	EA	8" Fiber Reinforced Plastic Damper	818.92	137.31
23 31 16 16-0197	EA	10" Fiber Reinforced Plastic Damper	923.71	164.76
23 31 16 16-0198	EA	12" Fiber Reinforced Plastic Damper	1,049.57	204.93
23 31 16 16-0199	EA	14" Fiber Reinforced Plastic Damper	1,168.04	216.94
23 31 16 16-0200	EA	16" Fiber Reinforced Plastic Damper	1,297.51	235.60
23 31 16 16-0201	EA	18" Fiber Reinforced Plastic Damper	1,424.24	252.64
23 31 16 16-0202	EA	20" Fiber Reinforced Plastic Damper	1,519.90	274.61
23 31 16 16-0203	EA	24" Fiber Reinforced Plastic Damper	1,723.03	302.07
23 31 16 16-0204	EA	30" Fiber Reinforced Plastic Damper	2,004.80	329.53
23 31 16 16-0205	EA	36" Fiber Reinforced Plastic Damper	2,309.54	370.72
23 31 16 16-0206	EA	42" Fiber Reinforced Plastic Damper	2,653.58	412.03
23 31 16 16-0207	EA	48" Fiber Reinforced Plastic Damper	2,958.33	453.22
23 31 16 16-0208	EA	54" Fiber Reinforced Plastic Damper	3,472.40	549.22
23 31 16 16-0209	EA	60" Fiber Reinforced Plastic Damper	4,055.29	686.52
23 31 16 16-0210	EA	66" Fiber Reinforced Plastic Damper	4,598.41	823.60
23 31 16 16-0211	EA	72" Fiber Reinforced Plastic Damper	5,292.67	933.33
23 31 16 23 Fabric Ducts (23 31 16)				
23 31 16 23-0001 Heavy-Duty Fabric Ducts (Zip-A-Duct™) (23 31 16 23)				
23 31 16 23-0002 Heavy-Duty Fabric Duct Without Vents (23 31 16 23-0001)				
Note: Includes fabric loops for cable hooks. Requires Suspension Hardware as well as an Inlet Section and Endcap per complete run. See CSI section 23 31 16 23-0064 for suspension hardware.				
23 31 16 23-0003	EA	12" Diameter x 5' Long Gray Heavy-Duty Fabric Duct Without Vents	210.18	12.24
Note: Excludes suspension cable and hardware.				

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 31 16 23-0004	EA	12" Diameter x 10' Long Gray Heavy-Duty Fabric Duct Without Vents.....	326.45	16.33
		Note: Excludes suspension cable and hardware.		
23 31 16 23-0005	EA	16" Diameter x 5' Long Gray Heavy-Duty Fabric Duct Without Vents.....	258.02	20.41
		Note: Excludes suspension cable and hardware.		
23 31 16 23-0006	EA	16" Diameter x 10' Long Gray Heavy-Duty Fabric Duct Without Vents.....	381.36	26.83
		Note: Excludes suspension cable and hardware.		
23 31 16 23-0007	EA	20" Diameter x 5' Long Gray Heavy-Duty Fabric Duct Without Vents.....	315.63	28.00
		Note: Excludes suspension cable and hardware.		
23 31 16 23-0008	EA	20" Diameter x 10' Long Gray Heavy-Duty Fabric Duct Without Vents.....	450.13	37.34
		Note: Excludes suspension cable and hardware.		
23 31 16 23-0009	EA	24" Diameter x 5' Long Gray Heavy-Duty Fabric Duct Without Vents.....	370.39	36.16
		Note: Excludes suspension cable and hardware.		
23 31 16 23-0010	EA	24" Diameter x 10' Long Gray Heavy-Duty Fabric Duct Without Vents.....	518.89	47.83
		Note: Excludes suspension cable and hardware.		
23 31 16 23-0011	EA	28" Diameter x 5' Long Gray Heavy-Duty Fabric Duct Without Vents.....	414.01	41.42
		Note: Excludes suspension cable and hardware.		
23 31 16 23-0012	EA	28" Diameter x 10' Long Gray Heavy-Duty Fabric Duct Without Vents.....	615.75	55.42
		Note: Excludes suspension cable and hardware.		
23 31 16 23-0013	EA	32" Diameter x 5' Long Gray Heavy-Duty Fabric Duct Without Vents.....	455.87	46.09
		Note: Excludes suspension cable and hardware.		
23 31 16 23-0014	EA	32" Diameter x 10' Long Gray Heavy-Duty Fabric Duct Without Vents.....	686.54	61.24
		Note: Excludes suspension cable and hardware.		
23 31 16 23-0015	EA	36" Diameter x 5' Long Gray Heavy-Duty Fabric Duct Without Vents.....	498.40	52.50
		Note: Excludes suspension cable and hardware.		
23 31 16 23-0016	EA	36" Diameter x 10' Long Gray Heavy-Duty Fabric Duct Without Vents.....	791.56	70.00
		Note: Excludes suspension cable and hardware.		

23 31 16 23-0017 Heavy-Duty Fabric Duct With Vents (23 31 16 23-0001)

23 31 16 23-0018	EA	12" Diameter x 10' Long Gray Heavy-Duty Fabric Duct With Vents.....	557.35	16.33
		Note: Excludes suspension cable and hardware.		
23 31 16 23-0019	EA	16" Diameter x 10' Long Gray Heavy-Duty Fabric Duct With Vents.....	626.12	26.83
		Note: Excludes suspension cable and hardware.		
23 31 16 23-0020	EA	20" Diameter x 10' Long Gray Heavy-Duty Fabric Duct With Vents.....	706.43	37.34
		Note: Excludes suspension cable and hardware.		
23 31 16 23-0021	EA	24" Diameter x 10' Long Gray Heavy-Duty Fabric Duct With Vents.....	789.05	47.83
		Note: Excludes suspension cable and hardware.		
23 31 16 23-0022	EA	28" Diameter x 10' Long Gray Heavy-Duty Fabric Duct With Vents.....	948.25	55.42
		Note: Excludes suspension cable and hardware.		
23 31 16 23-0023	EA	32" Diameter x 10' Long Gray Heavy-Duty Fabric Duct With Vents.....	1,019.03	61.24
		Note: Excludes suspension cable and hardware.		
23 31 16 23-0024	EA	36" Diameter x 10' Long Gray Heavy-Duty Fabric Duct With Vents.....	1,151.77	70.00
		Note: Excludes suspension cable and hardware.		

23 31 16 23-0025 Heavy-Duty Fabric Duct 90 Degree Elbow (23 31 16 23-0001)

23 31 16 23-0026	EA	12" Diameter Gray Heavy-Duty Fabric Duct 90 Degree Elbow.....	420.05	17.50
		Note: Excludes suspension cable and hardware.		
23 31 16 23-0027	EA	16" Diameter Gray Heavy-Duty Fabric Duct 90 Degree Elbow.....	477.26	28.00
		Note: Excludes suspension cable and hardware.		
23 31 16 23-0028	EA	20" Diameter Gray Heavy-Duty Fabric Duct 90 Degree Elbow.....	639.04	30.34
		Note: Excludes suspension cable and hardware.		
23 31 16 23-0029	EA	24" Diameter Gray Heavy-Duty Fabric Duct 90 Degree Elbow.....	783.99	40.83
		Note: Excludes suspension cable and hardware.		
23 31 16 23-0030	EA	28" Diameter Gray Heavy-Duty Fabric Duct 90 Degree Elbow.....	985.17	45.50
		Note: Excludes suspension cable and hardware.		
23 31 16 23-0031	EA	32" Diameter Gray Heavy-Duty Fabric Duct 90 Degree Elbow.....	1,221.51	49.58
		Note: Excludes suspension cable and hardware.		
23 31 16 23-0032	EA	36" Diameter Gray Heavy-Duty Fabric Duct 90 Degree Elbow.....	1,387.07	55.42
		Note: Excludes suspension cable and hardware.		

23 31 16 23-0033 Heavy-Duty Fabric Duct 45 Degree Elbow (23 31 16 23-0001)

23 31 16 23-0034	EA	12" Diameter Gray Heavy-Duty Fabric Duct 45 Degree Elbow.....	325.38	17.50
		Note: Excludes suspension cable and hardware.		
23 31 16 23-0035	EA	16" Diameter Gray Heavy-Duty Fabric Duct 45 Degree Elbow.....	389.52	28.00
		Note: Excludes suspension cable and hardware.		
23 31 16 23-0036	EA	20" Diameter Gray Heavy-Duty Fabric Duct 45 Degree Elbow.....	435.85	30.34
		Note: Excludes suspension cable and hardware.		
23 31 16 23-0037	EA	24" Diameter Gray Heavy-Duty Fabric Duct 45 Degree Elbow.....	513.84	40.83
		Note: Excludes suspension cable and hardware.		
23 31 16 23-0038	EA	28" Diameter Gray Heavy-Duty Fabric Duct 45 Degree Elbow.....	592.64	45.50
		Note: Excludes suspension cable and hardware.		
23 31 16 23-0039	EA	32" Diameter Gray Heavy-Duty Fabric Duct 45 Degree Elbow.....	706.60	49.58
		Note: Excludes suspension cable and hardware.		
23 31 16 23-0040	EA	36" Diameter Gray Heavy-Duty Fabric Duct 45 Degree Elbow.....	805.09	55.42
		Note: Excludes suspension cable and hardware.		

23 31 16 23-0041 Heavy-Duty Fabric Duct Tee (23 31 16 23-0001)

23 31 16 23-0042	EA	16" x 12" x 12" Gray Heavy-Duty Fabric Duct Tee.....	1,024.12	40.83
		Note: Excludes suspension cable and hardware.		
23 31 16 23-0043	EA	20" x 16" x 16" Gray Heavy-Duty Fabric Duct Tee.....	1,079.14	43.75
		Note: Excludes suspension cable and hardware.		
23 31 16 23-0044	EA	24" x 16" x 16" Gray Heavy-Duty Fabric Duct Tee.....	1,180.52	58.91
		Note: Excludes suspension cable and hardware.		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 23-0045	EA	28" x 20" x 20" Gray Heavy-Duty Fabric Duct Tee..... Note: Excludes suspension cable and hardware.	1,245.61	65.92
23 31 16 23-0046	EA	32" x 24" x 24" Gray Heavy-Duty Fabric Duct Tee..... Note: Excludes suspension cable and hardware.	1,295.61	71.75
23 31 16 23-0047	EA	36" x 28" x 28" Gray Heavy-Duty Fabric Duct Tee..... Note: Excludes suspension cable and hardware.	1,363.68	80.50
23 31 16 23-0048		Heavy-Duty Fabric Duct Inlets (23 31 16 23-0001)		
23 31 16 23-0049	EA	12" Diameter Gray Heavy-Duty Fabric Duct Transition Inlet..... Note: Excludes suspension cable and hardware.	175.29	17.50
23 31 16 23-0050	EA	16" Diameter Gray Heavy-Duty Fabric Duct Transition Inlet..... Note: Excludes suspension cable and hardware.	214.04	28.00
23 31 16 23-0051	EA	20" Diameter Gray Heavy-Duty Fabric Duct Transition Inlet..... Note: Excludes suspension cable and hardware.	230.34	30.34
23 31 16 23-0052	EA	24" Diameter Gray Heavy-Duty Fabric Duct Transition Inlet..... Note: Excludes suspension cable and hardware.	271.39	40.83
23 31 16 23-0053	EA	28" Diameter Gray Heavy-Duty Fabric Duct Transition Inlet..... Note: Excludes suspension cable and hardware.	292.47	45.50
23 31 16 23-0054	EA	32" Diameter Gray Heavy-Duty Fabric Duct Transition Inlet..... Note: Excludes suspension cable and hardware.	314.07	49.58
23 31 16 23-0055	EA	36" Diameter Gray Heavy-Duty Fabric Duct Transition Inlet..... Note: Excludes suspension cable and hardware.	345.60	55.42
23 31 16 23-0056		Heavy-Duty Fabric Duct Cap (23 31 16 23-0001)		
23 31 16 23-0057	EA	12" Diameter Gray Heavy-Duty Fabric Duct End Cap Note: Excludes suspension cable and hardware.	103.28	10.50
23 31 16 23-0058	EA	16" Diameter Gray Heavy-Duty Fabric Duct End Cap Note: Excludes suspension cable and hardware.	134.27	16.92
23 31 16 23-0059	EA	20" Diameter Gray Heavy-Duty Fabric Duct End Cap Note: Excludes suspension cable and hardware.	156.28	18.08
23 31 16 23-0060	EA	24" Diameter Gray Heavy-Duty Fabric Duct End Cap Note: Excludes suspension cable and hardware.	217.28	24.50
23 31 16 23-0061	EA	28" Diameter Gray Heavy-Duty Fabric Duct End Cap Note: Excludes suspension cable and hardware.	258.45	27.41
23 31 16 23-0062	EA	32" Diameter Gray Heavy-Duty Fabric Duct End Cap Note: Excludes suspension cable and hardware.	318.63	29.75
23 31 16 23-0063	EA	36" Diameter Gray Heavy-Duty Fabric Duct End Cap Note: Excludes suspension cable and hardware.	359.24	33.25
23 31 16 23-0064		Heavy-Duty Fabric Duct Suspension Hardware (23 31 16 23-0001)		
23 31 16 23-0065	EA	12 To 20 Inch Diameter Ducts Fixing Strap With Galvanized Hardware..... Note: Vertical support straps are recommended every six (6) to ten (10) feet along the length of the duct.	46.83	8.84
23 31 16 23-0066	EA	20 To 36 Inch Diameter Ducts Fixing Strap With Galvanized Hardware..... Note: Vertical support straps are recommended every six (6) to ten (10) feet along the length of the duct.	72.43	13.26
23 31 16 23-0067	EA	Galvanized Cable Locks For Horizontal Cables..... Note: Requires two (2) cable locks per support point or per stretcher.	18.67	4.42
23 31 16 23-0068	LF	Galvanized Plastic Coated Cable For Fabric Duct..... Note: Excludes anchor bolts or anchors.	0.93	0.18
23 31 16 23-0069	EA	Galvanized Stretcher For Straight Fabric Duct Runs.....	41.72	8.84
23 31 16 23-0070	EA	12 To 20 Inch Diameter Ducts Fixing Strap With Stainless Steel Hardware..... Note: Vertical support straps are recommended every six (6) to ten (10) feet along the length of the duct.	77.49	8.84
23 31 16 23-0071	EA	20 To 36 Inch Diameter Ducts Fixing Strap With Stainless Steel Hardware..... Note: Vertical support straps are recommended every six (6) to ten (10) feet along the length of the duct.	107.29	13.26
23 31 16 23-0072	EA	Stainless Steel Cable Locks For Horizontal Cables..... Note: Requires two (2) cable locks per support point or per stretcher.	22.99	4.42
23 31 16 23-0073	LF	Stainless Steel Plastic Coated Cable For Fabric Duct..... Note: Excludes anchor bolts or anchors.	2.68	0.18
23 31 16 23-0074	EA	Stainless Steel Stretcher For Straight Fabric Duct Runs.....	52.90	8.84
23 33		Air Duct Accessories (23 30)		
23 33 13		Dampers (23 33)		
23 33 13 13		Volume-Control Dampers (23 33 13)		
23 33 13 13-0001		Radial Opposed Blade Damper Steel Construction (Ruskin CDR) (23 33 13 13)		
23 33 13 13-0002	EA	6" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated For Stainless Steel, Add For Parallel Blade Damper, Add	141.84 113.17 34.82	14.13
23 33 13 13-0003	EA	7" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated For Stainless Steel, Add For Parallel Blade Damper, Add	151.86 114.80 35.32	15.88
23 33 13 13-0004	EA	8" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated For Stainless Steel, Add For Parallel Blade Damper, Add	163.14 116.01 35.70	17.65
23 33 13 13-0005	EA	10" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated For Stainless Steel, Add For Parallel Blade Damper, Add	176.30 123.27 37.93	21.18
23 33 13 13-0006	EA	12" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated For Stainless Steel, Add For Parallel Blade Damper, Add	191.19 130.52 40.16	22.95
23 33 13 13-0007	EA	14" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated For Stainless Steel, Add For Parallel Blade Damper, Add	227.59 166.78 51.32	24.72

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 33 13 13-0008	EA	15" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	249.01	26.48
		For Stainless Steel, Add	181.27	
		For Parallel Blade Damper, Add	55.78	
23 33 13 13-0009	EA	16" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	262.69	30.01
		For Stainless Steel, Add	188.50	
		For Parallel Blade Damper, Add	58.00	
23 33 13 13-0010	EA	18" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	288.85	31.78
		For Stainless Steel, Add	210.26	
		For Parallel Blade Damper, Add	64.70	
23 33 13 13-0011	EA	20" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	338.95	35.31
		For Stainless Steel, Add	261.03	
		For Parallel Blade Damper, Add	80.32	
23 33 13 13-0012	EA	24" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	373.09	35.31
		For Stainless Steel, Add	297.25	
		For Parallel Blade Damper, Add	91.46	
23 33 13 13-0013	EA	30" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	426.58	40.60
		For Stainless Steel, Add	348.00	
		For Parallel Blade Damper, Add	107.08	
23 33 13 13-0014	EA	36" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	458.94	42.37
		For Stainless Steel, Add	379.21	
		For Parallel Blade Damper, Add	116.68	

23 33 13 13-0015 Rectangular Opposed Blade Damper (Ruskin CD) (23 33 13 13)

23 33 13 13-0016	EA	6" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	159.44	19.62
		For Stainless Steel, Add	130.75	
		For Parallel Blade Damper, Add	40.23	
23 33 13 13-0017	EA	8" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	169.24	20.50
		For Stainless Steel, Add	140.04	
		For Parallel Blade Damper, Add	43.09	
23 33 13 13-0018	EA	8" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	176.78	20.68
		For Stainless Steel, Add	149.38	
		For Parallel Blade Damper, Add	45.96	
23 33 13 13-0019	EA	10" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	176.78	20.68
		For Stainless Steel, Add	149.38	
		For Parallel Blade Damper, Add	45.96	
23 33 13 13-0020	EA	10" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	185.75	21.22
		For Stainless Steel, Add	158.74	
		For Parallel Blade Damper, Add	48.84	
23 33 13 13-0021	EA	10" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	207.15	23.51
		For Stainless Steel, Add	177.37	
		For Parallel Blade Damper, Add	54.58	
23 33 13 13-0022	EA	12" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	185.75	21.22
		For Stainless Steel, Add	158.74	
		For Parallel Blade Damper, Add	48.84	
23 33 13 13-0023	EA	12" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	203.61	22.45
		For Stainless Steel, Add	177.37	
		For Parallel Blade Damper, Add	54.58	
23 33 13 13-0024	EA	12" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	214.39	23.51
		For Stainless Steel, Add	186.78	
		For Parallel Blade Damper, Add	57.47	
23 33 13 13-0025	EA	12" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	237.28	26.52
		For Stainless Steel, Add	205.05	
		For Parallel Blade Damper, Add	63.09	
23 33 13 13-0026	EA	14" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	200.06	22.45
		For Stainless Steel, Add	172.76	
		For Parallel Blade Damper, Add	53.16	
23 33 13 13-0027	EA	14" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	214.39	23.51
		For Stainless Steel, Add	186.78	
		For Parallel Blade Damper, Add	57.47	
23 33 13 13-0028	EA	14" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	225.11	24.75
		For Stainless Steel, Add	196.13	
		For Parallel Blade Damper, Add	60.35	
23 33 13 13-0029	EA	14" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	237.61	26.52
		For Stainless Steel, Add	205.48	
		For Parallel Blade Damper, Add	63.22	
23 33 13 13-0030	EA	14" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	264.38	29.52
		For Stainless Steel, Add	228.79	
		For Parallel Blade Damper, Add	70.40	
23 33 13 13-0031	EA	16" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	214.39	23.51
		For Stainless Steel, Add	186.78	
		For Parallel Blade Damper, Add	57.47	
23 33 13 13-0032	EA	16" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	226.88	25.27
		For Stainless Steel, Add	196.13	
		For Parallel Blade Damper, Add	60.35	
23 33 13 13-0033	EA	16" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	241.14	27.75
		For Stainless Steel, Add	205.48	
		For Parallel Blade Damper, Add	63.22	
23 33 13 13-0034	EA	16" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	253.60	29.52
		For Stainless Steel, Add	214.77	
		For Parallel Blade Damper, Add	66.08	
23 33 13 13-0035	EA	16" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	280.46	32.34
		For Stainless Steel, Add	238.20	
		For Parallel Blade Damper, Add	73.29	
23 33 13 13-0036	EA	16" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	307.22	35.35
		For Stainless Steel, Add	261.51	
		For Parallel Blade Damper, Add	80.46	
23 33 13 13-0037	EA	18" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	225.11	24.75
		For Stainless Steel, Add	196.13	
		For Parallel Blade Damper, Add	60.35	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0038	EA	18" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	241.16	26.52
		For Stainless Steel, Add	210.09	
		For Parallel Blade Damper, Add	64.64	
23 33 13 13-0039	EA	18" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	260.84	29.52
		For Stainless Steel, Add	224.19	
		For Parallel Blade Damper, Add	68.98	
23 33 13 13-0040	EA	18" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	287.66	32.34
		For Stainless Steel, Add	247.56	
		For Parallel Blade Damper, Add	76.17	
23 33 13 13-0041	EA	18" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	310.82	35.35
		For Stainless Steel, Add	266.19	
		For Parallel Blade Damper, Add	81.90	
23 33 13 13-0042	EA	18" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	327.46	38.18
		For Stainless Steel, Add	276.34	
		For Parallel Blade Damper, Add	85.03	
23 33 13 13-0043	EA	18" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	346.59	41.18
		For Stainless Steel, Add	289.72	
		For Parallel Blade Damper, Add	89.14	
23 33 13 13-0044	EA	20" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	223.24	26.52
		For Stainless Steel, Add	186.80	
		For Parallel Blade Damper, Add	57.48	
23 33 13 13-0045	EA	20" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	245.11	29.52
		For Stainless Steel, Add	203.74	
		For Parallel Blade Damper, Add	62.69	
23 33 13 13-0046	EA	20" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	267.03	32.34
		For Stainless Steel, Add	220.74	
		For Parallel Blade Damper, Add	67.92	
23 33 13 13-0047	EA	20" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	302.01	35.35
		For Stainless Steel, Add	254.74	
		For Parallel Blade Damper, Add	78.38	
23 33 13 13-0048	EA	20" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	320.65	38.18
		For Stainless Steel, Add	267.49	
		For Parallel Blade Damper, Add	82.30	
23 33 13 13-0049	EA	20" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	339.29	41.18
		For Stainless Steel, Add	280.23	
		For Parallel Blade Damper, Add	86.22	
23 33 13 13-0050	EA	20" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	361.16	44.19
		For Stainless Steel, Add	297.17	
		For Parallel Blade Damper, Add	91.44	
23 33 13 13-0051	EA	20" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	383.03	47.02
		For Stainless Steel, Add	314.11	
		For Parallel Blade Damper, Add	96.65	
23 33 13 13-0052	EA	24" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	251.65	29.52
		For Stainless Steel, Add	212.24	
		For Parallel Blade Damper, Add	65.30	
23 33 13 13-0053	EA	24" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	280.11	32.34
		For Stainless Steel, Add	237.74	
		For Parallel Blade Damper, Add	73.15	
23 33 13 13-0054	EA	24" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	302.01	35.35
		For Stainless Steel, Add	254.74	
		For Parallel Blade Damper, Add	78.38	
23 33 13 13-0055	EA	24" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	330.45	38.18
		For Stainless Steel, Add	280.23	
		For Parallel Blade Damper, Add	86.22	
23 33 13 13-0056	EA	24" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	349.06	41.18
		For Stainless Steel, Add	292.93	
		For Parallel Blade Damper, Add	90.13	
23 33 13 13-0057	EA	24" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	367.70	44.19
		For Stainless Steel, Add	305.67	
		For Parallel Blade Damper, Add	94.05	
23 33 13 13-0058	EA	24" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	396.11	47.02
		For Stainless Steel, Add	331.11	
		For Parallel Blade Damper, Add	101.88	
23 33 13 13-0059	EA	24" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	433.36	53.03
		For Stainless Steel, Add	356.55	
		For Parallel Blade Damper, Add	109.71	
23 33 13 13-0060	EA	24" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	477.22	58.86
		For Stainless Steel, Add	390.60	
		For Parallel Blade Damper, Add	120.18	
23 33 13 13-0061	EA	28" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	280.11	32.34
		For Stainless Steel, Add	237.74	
		For Parallel Blade Damper, Add	73.15	
23 33 13 13-0062	EA	28" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	302.01	35.35
		For Stainless Steel, Add	254.74	
		For Parallel Blade Damper, Add	78.38	
23 33 13 13-0063	EA	28" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	330.45	38.18
		For Stainless Steel, Add	280.23	
		For Parallel Blade Damper, Add	86.22	
23 33 13 13-0064	EA	28" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	352.32	41.18
		For Stainless Steel, Add	297.17	
		For Parallel Blade Damper, Add	91.44	
23 33 13 13-0065	EA	28" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	377.46	44.19
		For Stainless Steel, Add	318.36	
		For Parallel Blade Damper, Add	97.96	
23 33 13 13-0066	EA	28" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	402.60	47.02
		For Stainless Steel, Add	339.55	
		For Parallel Blade Damper, Add	104.48	
23 33 13 13-0067	EA	28" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	439.90	53.03
		For Stainless Steel, Add	365.05	
		For Parallel Blade Damper, Add	112.32	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 33 13 13-0068	EA 28" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	477.22	58.86
	For Stainless Steel, Add	390.60	
	For Parallel Blade Damper, Add	120.18	
23 33 13 13-0069	EA 28" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	525.20	61.87
	For Stainless Steel, Add	441.48	
	For Parallel Blade Damper, Add	135.84	
23 33 13 13-0070	EA 28" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	575.52	67.70
	For Stainless Steel, Add	483.91	
	For Parallel Blade Damper, Add	148.90	
23 33 13 13-0071	EA 32" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	321.62	35.35
	For Stainless Steel, Add	280.23	
	For Parallel Blade Damper, Add	86.22	
23 33 13 13-0072	EA 32" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	336.95	38.18
	For Stainless Steel, Add	288.68	
	For Parallel Blade Damper, Add	88.82	
23 33 13 13-0073	EA 32" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	352.32	41.18
	For Stainless Steel, Add	297.17	
	For Parallel Blade Damper, Add	91.44	
23 33 13 13-0074	EA 32" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	374.19	44.19
	For Stainless Steel, Add	314.11	
	For Parallel Blade Damper, Add	96.65	
23 33 13 13-0075	EA 32" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	403.87	47.02
	For Stainless Steel, Add	341.20	
	For Parallel Blade Damper, Add	104.98	
23 33 13 13-0076	EA 32" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	439.90	53.03
	For Stainless Steel, Add	365.05	
	For Parallel Blade Damper, Add	112.32	
23 33 13 13-0077	EA 32" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	483.76	58.86
	For Stainless Steel, Add	399.10	
	For Parallel Blade Damper, Add	122.80	
23 33 13 13-0078	EA 32" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	527.55	64.70
	For Stainless Steel, Add	433.04	
	For Parallel Blade Damper, Add	133.24	
23 33 13 13-0079	EA 32" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	575.52	67.70
	For Stainless Steel, Add	483.91	
	For Parallel Blade Damper, Add	148.90	
23 33 13 13-0080	EA 32" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	635.43	72.47
	For Stainless Steel, Add	543.41	
	For Parallel Blade Damper, Add	167.20	
23 33 13 13-0081	EA 32" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	700.05	76.54
	For Stainless Steel, Add	611.34	
	For Parallel Blade Damper, Add	188.10	
23 33 13 13-0082	EA 36" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	350.02	38.18
	For Stainless Steel, Add	305.67	
	For Parallel Blade Damper, Add	94.05	
23 33 13 13-0083	EA 36" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	371.89	41.18
	For Stainless Steel, Add	322.61	
	For Parallel Blade Damper, Add	99.26	
23 33 13 13-0084	EA 36" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	393.76	44.19
	For Stainless Steel, Add	339.55	
	For Parallel Blade Damper, Add	104.48	
23 33 13 13-0085	EA 36" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	422.22	47.02
	For Stainless Steel, Add	365.05	
	For Parallel Blade Damper, Add	112.32	
23 33 13 13-0086	EA 36" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	449.75	53.03
	For Stainless Steel, Add	377.86	
	For Parallel Blade Damper, Add	116.26	
23 33 13 13-0087	EA 36" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	468.38	55.86
	For Stainless Steel, Add	390.60	
	For Parallel Blade Damper, Add	120.18	
23 33 13 13-0088	EA 36" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	527.55	64.70
	For Stainless Steel, Add	433.04	
	For Parallel Blade Damper, Add	133.24	
23 33 13 13-0089	EA 36" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	577.83	70.71
	For Stainless Steel, Add	475.42	
	For Parallel Blade Damper, Add	146.28	
23 33 13 13-0090	EA 36" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	624.12	73.01
	For Stainless Steel, Add	526.41	
	For Parallel Blade Damper, Add	161.97	
23 33 13 13-0091	EA 36" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	692.23	78.31
	For Stainless Steel, Add	594.28	
	For Parallel Blade Damper, Add	182.86	
23 33 13 13-0092	EA 36" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	750.33	82.37
	For Stainless Steel, Add	653.72	
	For Parallel Blade Damper, Add	201.14	
23 33 13 13-0093	EA 36" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	811.43	85.37
	For Stainless Steel, Add	721.66	
	For Parallel Blade Damper, Add	222.05	
23 33 13 13-0094	EA 40" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	365.35	44.19
	For Stainless Steel, Add	314.11	
	For Parallel Blade Damper, Add	96.65	
23 33 13 13-0095	EA 40" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	400.30	47.02
	For Stainless Steel, Add	348.05	
	For Parallel Blade Damper, Add	107.09	
23 33 13 13-0096	EA 40" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	415.68	50.02
	For Stainless Steel, Add	356.55	
	For Parallel Blade Damper, Add	109.71	
23 33 13 13-0097	EA 40" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	431.06	53.03
	For Stainless Steel, Add	365.05	
	For Parallel Blade Damper, Add	112.32	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0098	EA	40" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	471.61	55.86
		For Stainless Steel, Add	394.80	
		For Parallel Blade Damper, Add	121.48	
23 33 13 13-0099	EA	40" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	503.33	58.86
		For Stainless Steel, Add	424.54	
		For Parallel Blade Damper, Add	130.63	
23 33 13 13-0100	EA	40" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	555.96	67.70
		For Stainless Steel, Add	458.48	
		For Parallel Blade Damper, Add	141.07	
23 33 13 13-0101	EA	40" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	599.79	73.53
		For Stainless Steel, Add	492.48	
		For Parallel Blade Damper, Add	151.53	
23 33 13 13-0102	EA	40" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	653.10	78.31
		For Stainless Steel, Add	543.41	
		For Parallel Blade Damper, Add	167.20	
23 33 13 13-0103	EA	40" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	737.30	82.37
		For Stainless Steel, Add	636.78	
		For Parallel Blade Damper, Add	195.93	
23 33 13 13-0104	EA	40" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	790.58	87.14
		For Stainless Steel, Add	687.66	
		For Parallel Blade Damper, Add	211.59	
23 33 13 13-0105	EA	40" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	869.52	89.44
		For Stainless Steel, Add	781.09	
		For Parallel Blade Damper, Add	240.34	
23 33 13 13-0106	EA	40" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	949.00	94.21
		For Stainless Steel, Add	866.02	
		For Parallel Blade Damper, Add	266.47	
23 33 13 13-0107	EA	44" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	387.27	44.19
		For Stainless Steel, Add	331.11	
		For Parallel Blade Damper, Add	101.88	
23 33 13 13-0108	EA	44" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	422.22	47.02
		For Stainless Steel, Add	365.05	
		For Parallel Blade Damper, Add	112.32	
23 33 13 13-0109	EA	44" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	450.71	50.02
		For Stainless Steel, Add	390.60	
		For Parallel Blade Damper, Add	120.18	
23 33 13 13-0110	EA	44" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	466.09	53.03
		For Stainless Steel, Add	399.10	
		For Parallel Blade Damper, Add	122.80	
23 33 13 13-0111	EA	44" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	501.03	55.86
		For Stainless Steel, Add	433.04	
		For Parallel Blade Damper, Add	133.24	
23 33 13 13-0112	EA	44" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	535.97	58.86
		For Stainless Steel, Add	466.97	
		For Parallel Blade Damper, Add	143.68	
23 33 13 13-0113	EA	44" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	604.02	70.71
		For Stainless Steel, Add	509.47	
		For Parallel Blade Damper, Add	156.76	
23 33 13 13-0114	EA	44" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	654.29	76.54
		For Stainless Steel, Add	551.85	
		For Parallel Blade Damper, Add	169.80	
23 33 13 13-0115	EA	44" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	737.30	82.37
		For Stainless Steel, Add	636.78	
		For Parallel Blade Damper, Add	195.93	
23 33 13 13-0116	EA	44" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	813.78	88.39
		For Stainless Steel, Add	713.22	
		For Parallel Blade Damper, Add	219.45	
23 33 13 13-0117	EA	44" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	896.70	94.21
		For Stainless Steel, Add	798.03	
		For Parallel Blade Damper, Add	245.55	
23 33 13 13-0118	EA	44" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	964.33	97.04
		For Stainless Steel, Add	874.46	
		For Parallel Blade Damper, Add	269.06	
23 33 13 13-0119	EA	44" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,031.96	100.05
		For Stainless Steel, Add	950.90	
		For Parallel Blade Damper, Add	292.58	
23 33 13 13-0120	EA	44" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,099.59	103.05
		For Stainless Steel, Add	1,027.33	
		For Parallel Blade Damper, Add	316.10	
23 33 13 13-0121	EA	48" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	415.68	47.02
		For Stainless Steel, Add	356.55	
		For Parallel Blade Damper, Add	109.71	
23 33 13 13-0122	EA	48" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	450.71	50.02
		For Stainless Steel, Add	390.60	
		For Parallel Blade Damper, Add	120.18	
23 33 13 13-0123	EA	48" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	466.09	53.03
		For Stainless Steel, Add	399.10	
		For Parallel Blade Damper, Add	122.80	
23 33 13 13-0124	EA	48" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	503.33	58.86
		For Stainless Steel, Add	424.54	
		For Parallel Blade Damper, Add	130.63	
23 33 13 13-0125	EA	48" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	547.12	64.70
		For Stainless Steel, Add	458.48	
		For Parallel Blade Damper, Add	141.07	
23 33 13 13-0126	EA	48" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	590.95	70.71
		For Stainless Steel, Add	492.48	
		For Parallel Blade Damper, Add	151.53	
23 33 13 13-0127	EA	48" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	647.80	76.54
		For Stainless Steel, Add	543.41	
		For Parallel Blade Damper, Add	167.20	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 33 13 13-0128	EA	48" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	704.61	82.37
		For Stainless Steel, Add	594.28	
		For Parallel Blade Damper, Add	182.86	
23 33 13 13-0129	EA	48" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	781.09	88.39
		For Stainless Steel, Add	670.72	
		For Parallel Blade Damper, Add	206.38	
23 33 13 13-0130	EA	48" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	870.59	94.21
		For Stainless Steel, Add	764.09	
		For Parallel Blade Damper, Add	235.10	
23 33 13 13-0131	EA	48" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	938.27	97.04
		For Stainless Steel, Add	840.58	
		For Parallel Blade Damper, Add	258.64	
23 33 13 13-0132	EA	48" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,025.42	100.05
		For Stainless Steel, Add	942.40	
		For Parallel Blade Damper, Add	289.97	
23 33 13 13-0133	EA	48" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,101.89	105.88
		For Stainless Steel, Add	1,018.82	
		For Parallel Blade Damper, Add	313.48	
23 33 13 13-0134	EA	48" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,189.09	108.89
		For Stainless Steel, Add	1,120.69	
		For Parallel Blade Damper, Add	344.83	
23 33 13 13-0135	EA	48" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,267.86	117.73
		For Stainless Steel, Add	1,188.63	
		For Parallel Blade Damper, Add	365.73	
23 33 13 13-0136	EA	52" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	444.18	50.02
		For Stainless Steel, Add	382.11	
		For Parallel Blade Damper, Add	117.57	
23 33 13 13-0137	EA	52" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	479.12	53.03
		For Stainless Steel, Add	416.04	
		For Parallel Blade Damper, Add	128.01	
23 33 13 13-0138	EA	52" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	522.90	58.86
		For Stainless Steel, Add	449.98	
		For Parallel Blade Damper, Add	138.46	
23 33 13 13-0139	EA	52" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	547.12	64.70
		For Stainless Steel, Add	458.48	
		For Parallel Blade Damper, Add	141.07	
23 33 13 13-0140	EA	52" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	594.21	70.71
		For Stainless Steel, Add	496.72	
		For Parallel Blade Damper, Add	152.84	
23 33 13 13-0141	EA	52" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	641.26	76.54
		For Stainless Steel, Add	534.91	
		For Parallel Blade Damper, Add	164.59	
23 33 13 13-0142	EA	52" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	698.12	82.37
		For Stainless Steel, Add	585.85	
		For Parallel Blade Damper, Add	180.26	
23 33 13 13-0143	EA	52" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	754.98	88.39
		For Stainless Steel, Add	636.78	
		For Parallel Blade Damper, Add	195.93	
23 33 13 13-0144	EA	52" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	831.46	94.21
		For Stainless Steel, Add	713.22	
		For Parallel Blade Damper, Add	219.45	
23 33 13 13-0145	EA	52" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	927.44	100.05
		For Stainless Steel, Add	815.02	
		For Parallel Blade Damper, Add	250.78	
23 33 13 13-0146	EA	52" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,001.57	103.05
		For Stainless Steel, Add	899.90	
		For Parallel Blade Damper, Add	276.89	
23 33 13 13-0147	EA	52" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,095.35	105.88
		For Stainless Steel, Add	1,010.32	
		For Parallel Blade Damper, Add	310.87	
23 33 13 13-0148	EA	52" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,191.35	111.89
		For Stainless Steel, Add	1,112.14	
		For Parallel Blade Damper, Add	342.20	
23 33 13 13-0149	EA	52" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,267.86	117.73
		For Stainless Steel, Add	1,188.63	
		For Parallel Blade Damper, Add	365.73	
23 33 13 13-0150	EA	52" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,372.73	126.57
		For Stainless Steel, Add	1,290.50	
		For Parallel Blade Damper, Add	397.08	
23 33 13 13-0151	EA	52" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,455.74	132.39
		For Stainless Steel, Add	1,375.43	
		For Parallel Blade Damper, Add	423.21	
23 33 13 13-0152	EA	56" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	466.09	53.03
		For Stainless Steel, Add	399.10	
		For Parallel Blade Damper, Add	122.80	
23 33 13 13-0153	EA	56" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	516.36	58.86
		For Stainless Steel, Add	441.48	
		For Parallel Blade Damper, Add	135.84	
23 33 13 13-0154	EA	56" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	553.65	64.70
		For Stainless Steel, Add	466.97	
		For Parallel Blade Damper, Add	143.68	
23 33 13 13-0155	EA	56" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	577.83	70.71
		For Stainless Steel, Add	475.42	
		For Parallel Blade Damper, Add	146.28	
23 33 13 13-0156	EA	56" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	631.45	76.54
		For Stainless Steel, Add	522.16	
		For Parallel Blade Damper, Add	160.66	
23 33 13 13-0157	EA	56" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	685.04	82.37
		For Stainless Steel, Add	568.84	
		For Parallel Blade Damper, Add	175.03	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0158	EA	56" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	738.64	88.39
		For Stainless Steel, Add	615.54	
		For Parallel Blade Damper, Add	189.40	
23 33 13 13-0159	EA	56" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	792.23	94.21
		For Stainless Steel, Add	662.22	
		For Parallel Blade Damper, Add	203.76	
23 33 13 13-0160	EA	56" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	888.26	100.05
		For Stainless Steel, Add	764.09	
		For Parallel Blade Damper, Add	235.10	
23 33 13 13-0161	EA	56" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	975.51	103.05
		For Stainless Steel, Add	866.02	
		For Parallel Blade Damper, Add	266.47	
23 33 13 13-0162	EA	56" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,056.17	105.88
		For Stainless Steel, Add	959.39	
		For Parallel Blade Damper, Add	295.20	
23 33 13 13-0163	EA	56" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,165.29	111.89
		For Stainless Steel, Add	1,078.26	
		For Parallel Blade Damper, Add	331.77	
23 33 13 13-0164	EA	56" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,261.32	117.73
		For Stainless Steel, Add	1,180.13	
		For Parallel Blade Damper, Add	363.12	
23 33 13 13-0165	EA	56" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,363.89	123.55
		For Stainless Steel, Add	1,290.50	
		For Parallel Blade Damper, Add	397.08	
23 33 13 13-0166	EA	56" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,446.90	129.57
		For Stainless Steel, Add	1,375.43	
		For Parallel Blade Damper, Add	423.21	
23 33 13 13-0167	EA	56" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,549.48	135.41
		For Stainless Steel, Add	1,485.80	
		For Parallel Blade Damper, Add	457.17	
23 33 13 13-0168	EA	56" x 56" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,652.05	141.23
		For Stainless Steel, Add	1,596.17	
		For Parallel Blade Damper, Add	491.13	
23 33 13 13-0169	EA	60" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	503.33	58.86
		For Stainless Steel, Add	424.54	
		For Parallel Blade Damper, Add	130.63	
23 33 13 13-0170	EA	60" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	553.65	64.70
		For Stainless Steel, Add	466.97	
		For Parallel Blade Damper, Add	143.68	
23 33 13 13-0171	EA	60" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	584.36	70.71
		For Stainless Steel, Add	483.91	
		For Parallel Blade Damper, Add	148.90	
23 33 13 13-0172	EA	60" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	608.62	76.54
		For Stainless Steel, Add	492.48	
		For Parallel Blade Damper, Add	151.53	
23 33 13 13-0173	EA	60" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	665.48	82.37
		For Stainless Steel, Add	543.41	
		For Parallel Blade Damper, Add	167.20	
23 33 13 13-0174	EA	60" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	722.29	88.39
		For Stainless Steel, Add	594.28	
		For Parallel Blade Damper, Add	182.86	
23 33 13 13-0175	EA	60" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	782.42	94.21
		For Stainless Steel, Add	649.47	
		For Parallel Blade Damper, Add	199.84	
23 33 13 13-0176	EA	60" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	842.54	100.05
		For Stainless Steel, Add	704.65	
		For Parallel Blade Damper, Add	216.82	
23 33 13 13-0177	EA	60" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	936.28	103.05
		For Stainless Steel, Add	815.02	
		For Parallel Blade Damper, Add	250.78	
23 33 13 13-0178	EA	60" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,023.48	105.88
		For Stainless Steel, Add	916.89	
		For Parallel Blade Damper, Add	282.12	
23 33 13 13-0179	EA	60" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,126.11	111.89
		For Stainless Steel, Add	1,027.33	
		For Parallel Blade Damper, Add	316.10	
23 33 13 13-0180	EA	60" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,228.68	117.73
		For Stainless Steel, Add	1,137.70	
		For Parallel Blade Damper, Add	350.06	
23 33 13 13-0181	EA	60" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,311.64	123.55
		For Stainless Steel, Add	1,222.57	
		For Parallel Blade Damper, Add	376.18	
23 33 13 13-0182	EA	60" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,433.78	129.57
		For Stainless Steel, Add	1,358.37	
		For Parallel Blade Damper, Add	417.96	
23 33 13 13-0183	EA	60" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,542.90	135.41
		For Stainless Steel, Add	1,477.24	
		For Parallel Blade Damper, Add	454.54	
23 33 13 13-0184	EA	60" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,652.05	141.23
		For Stainless Steel, Add	1,596.17	
		For Parallel Blade Damper, Add	491.13	
23 33 13 13-0185	EA	60" x 56" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,748.01	147.25
		For Stainless Steel, Add	1,697.93	
		For Parallel Blade Damper, Add	522.44	
23 33 13 13-0186	EA	60" x 60" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,844.14	153.08
		For Stainless Steel, Add	1,799.92	
		For Parallel Blade Damper, Add	553.82	

23 33 13 16 Fire Dampers (23 33 13)

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
23 33 13 16-0001 Fire Dampers (23 33 13 16)

23 33 13 16-0002	SF	Curtain Type, Vertical, Fire Damper	163.48	19.10
		For Spring Activated Horizontal Mount Operation, Add	23.86	
		For 3 Hour Rated, Add	31.81	
		For Dynamic Damper, Add	57.26	
		For Smoke Damper, Add	90.13	
23 33 13 16-0003	SF	Louver Type, Vertical, Fire Damper	221.32	19.10
		For Spring Activated Horizontal Mount Operation, Add	36.87	
		For 3 Hour Rated, Add	49.16	
		For Dynamic Damper, Add	88.49	
		For Smoke Damper, Add	139.29	

23 33 13 16-0004 Folding Curtain Fire Dampers (23 33 13 16)

Note: UL Listed. Air stream 22 gauge galvanized steel construction with fusible link 160 F, gravity actuated for vertical mount 1-1/2 hour fire rating. Damper blades and damper frame are in the air stream.

23 33 13 16-0005	EA	6" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	90.92	19.62
		For Spring Activated Horizontal Mount Operation, Add	7.21	
		For 3 Hour Rated, Add	9.62	
		For Dynamic Damper, Add	17.31	
		For Cap Of Damper Blades Outside Air Stream, Add	8.02	
23 33 13 16-0006	EA	8" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	95.86	20.50
		For Spring Activated Horizontal Mount Operation, Add	7.73	
		For 3 Hour Rated, Add	10.30	
		For Dynamic Damper, Add	18.54	
		For Cap Of Damper Blades Outside Air Stream, Add	8.59	
23 33 13 16-0007	EA	8" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	98.50	20.68
		For Spring Activated Horizontal Mount Operation, Add	8.24	
		For 3 Hour Rated, Add	10.99	
		For Dynamic Damper, Add	19.78	
		For Cap Of Damper Blades Outside Air Stream, Add	9.16	
23 33 13 16-0008	EA	10" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	98.50	20.68
		For Spring Activated Horizontal Mount Operation, Add	8.24	
		For 3 Hour Rated, Add	10.99	
		For Dynamic Damper, Add	19.78	
		For Cap Of Damper Blades Outside Air Stream, Add	9.16	
23 33 13 16-0009	EA	10" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	102.57	21.22
		For Spring Activated Horizontal Mount Operation, Add	8.76	
		For 3 Hour Rated, Add	11.68	
		For Dynamic Damper, Add	21.02	
		For Cap Of Damper Blades Outside Air Stream, Add	9.73	
23 33 13 16-0010	EA	10" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	114.21	23.51
		For Spring Activated Horizontal Mount Operation, Add	9.79	
		For 3 Hour Rated, Add	13.05	
		For Dynamic Damper, Add	23.49	
		For Cap Of Damper Blades Outside Air Stream, Add	10.88	
23 33 13 16-0011	EA	12" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	102.57	21.22
		For Spring Activated Horizontal Mount Operation, Add	8.76	
		For 3 Hour Rated, Add	11.68	
		For Dynamic Damper, Add	21.02	
		For Cap Of Damper Blades Outside Air Stream, Add	9.73	
23 33 13 16-0012	EA	12" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	110.67	22.45
		For Spring Activated Horizontal Mount Operation, Add	9.79	
		For 3 Hour Rated, Add	13.05	
		For Dynamic Damper, Add	23.49	
		For Cap Of Damper Blades Outside Air Stream, Add	10.88	
23 33 13 16-0013	EA	12" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	116.50	23.51
		For Spring Activated Horizontal Mount Operation, Add	10.30	
		For 3 Hour Rated, Add	13.74	
		For Dynamic Damper, Add	24.73	
		For Cap Of Damper Blades Outside Air Stream, Add	11.45	
23 33 13 16-0014	EA	12" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	127.64	26.52
		For Spring Activated Horizontal Mount Operation, Add	10.82	
		For 3 Hour Rated, Add	14.43	
		For Dynamic Damper, Add	25.97	
		For Cap Of Damper Blades Outside Air Stream, Add	12.02	
23 33 13 16-0015	EA	14" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	109.53	22.45
		For Spring Activated Horizontal Mount Operation, Add	9.53	
		For 3 Hour Rated, Add	12.71	
		For Dynamic Damper, Add	22.87	
		For Cap Of Damper Blades Outside Air Stream, Add	10.59	
23 33 13 16-0016	EA	14" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	116.50	23.51
		For Spring Activated Horizontal Mount Operation, Add	10.30	
		For 3 Hour Rated, Add	13.74	
		For Dynamic Damper, Add	24.73	
		For Cap Of Damper Blades Outside Air Stream, Add	11.45	
23 33 13 16-0017	EA	14" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	122.33	24.75
		For Spring Activated Horizontal Mount Operation, Add	10.82	
		For 3 Hour Rated, Add	14.43	
		For Dynamic Damper, Add	25.97	
		For Cap Of Damper Blades Outside Air Stream, Add	12.02	
23 33 13 16-0018	EA	14" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	129.93	26.52
		For Spring Activated Horizontal Mount Operation, Add	11.34	
		For 3 Hour Rated, Add	15.11	
		For Dynamic Damper, Add	27.21	
		For Cap Of Damper Blades Outside Air Stream, Add	12.60	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0019	EA	14" x 14"	Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	144.50	29.52
			For Spring Activated Horizontal Mount Operation, Add	12.62	
			For 3 Hour Rated, Add	16.83	
			For Dynamic Damper, Add	30.30	
			For Cap Of Damper Blades Outside Air Stream, Add	14.03	
23 33 13 16-0020	EA	16" x 6"	Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	116.50	23.51
			For Spring Activated Horizontal Mount Operation, Add	10.30	
			For 3 Hour Rated, Add	13.74	
			For Dynamic Damper, Add	24.73	
			For Cap Of Damper Blades Outside Air Stream, Add	11.45	
23 33 13 16-0021	EA	16" x 8"	Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	124.10	25.27
			For Spring Activated Horizontal Mount Operation, Add	10.82	
			For 3 Hour Rated, Add	14.43	
			For Dynamic Damper, Add	25.97	
			For Cap Of Damper Blades Outside Air Stream, Add	12.02	
23 33 13 16-0022	EA	16" x 10"	Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	133.46	27.75
			For Spring Activated Horizontal Mount Operation, Add	11.34	
			For 3 Hour Rated, Add	15.11	
			For Dynamic Damper, Add	27.21	
			For Cap Of Damper Blades Outside Air Stream, Add	12.60	
23 33 13 16-0023	EA	16" x 12"	Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	141.05	29.52
			For Spring Activated Horizontal Mount Operation, Add	11.85	
			For 3 Hour Rated, Add	15.80	
			For Dynamic Damper, Add	28.44	
			For Cap Of Damper Blades Outside Air Stream, Add	13.17	
23 33 13 16-0024	EA	16" x 14"	Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	155.63	32.34
			For Spring Activated Horizontal Mount Operation, Add	13.14	
			For 3 Hour Rated, Add	17.52	
			For Dynamic Damper, Add	31.54	
			For Cap Of Damper Blades Outside Air Stream, Add	14.60	
23 33 13 16-0025	EA	16" x 16"	Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	170.19	35.35
			For Spring Activated Horizontal Mount Operation, Add	14.43	
			For 3 Hour Rated, Add	19.24	
			For Dynamic Damper, Add	34.63	
			For Cap Of Damper Blades Outside Air Stream, Add	16.03	
23 33 13 16-0026	EA	18" x 6"	Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	122.33	24.75
			For Spring Activated Horizontal Mount Operation, Add	10.82	
			For 3 Hour Rated, Add	14.43	
			For Dynamic Damper, Add	25.97	
			For Cap Of Damper Blades Outside Air Stream, Add	12.02	
23 33 13 16-0027	EA	18" x 8"	Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	131.07	26.52
			For Spring Activated Horizontal Mount Operation, Add	11.59	
			For 3 Hour Rated, Add	15.46	
			For Dynamic Damper, Add	27.82	
			For Cap Of Damper Blades Outside Air Stream, Add	12.88	
23 33 13 16-0028	EA	18" x 10"	Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	143.36	29.52
			For Spring Activated Horizontal Mount Operation, Add	12.37	
			For 3 Hour Rated, Add	16.49	
			For Dynamic Damper, Add	29.68	
			For Cap Of Damper Blades Outside Air Stream, Add	13.74	
23 33 13 16-0029	EA	18" x 12"	Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	157.92	32.34
			For Spring Activated Horizontal Mount Operation, Add	13.66	
			For 3 Hour Rated, Add	18.21	
			For Dynamic Damper, Add	32.77	
			For Cap Of Damper Blades Outside Air Stream, Add	15.17	
23 33 13 16-0030	EA	18" x 14"	Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	171.32	35.35
			For Spring Activated Horizontal Mount Operation, Add	14.68	
			For 3 Hour Rated, Add	19.58	
			For Dynamic Damper, Add	35.24	
			For Cap Of Damper Blades Outside Air Stream, Add	16.32	
23 33 13 16-0031	EA	18" x 16"	Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	185.88	38.18
			For Spring Activated Horizontal Mount Operation, Add	15.97	
			For 3 Hour Rated, Add	21.30	
			For Dynamic Damper, Add	38.33	
			For Cap Of Damper Blades Outside Air Stream, Add	17.75	
23 33 13 16-0032	EA	18" x 18"	Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	198.15	41.18
			For Spring Activated Horizontal Mount Operation, Add	16.74	
			For 3 Hour Rated, Add	22.33	
			For Dynamic Damper, Add	40.19	
			For Cap Of Damper Blades Outside Air Stream, Add	18.61	
23 33 13 16-0033	EA	20" x 6"	Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	129.93	26.52
			For Spring Activated Horizontal Mount Operation, Add	11.34	
			For 3 Hour Rated, Add	15.11	
			For Dynamic Damper, Add	27.21	
			For Cap Of Damper Blades Outside Air Stream, Add	12.60	
23 33 13 16-0034	EA	20" x 8"	Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	143.34	29.52
			For Spring Activated Horizontal Mount Operation, Add	12.36	
			For 3 Hour Rated, Add	16.49	
			For Dynamic Damper, Add	29.67	
			For Cap Of Damper Blades Outside Air Stream, Add	13.74	
23 33 13 16-0035	EA	20" x 10"	Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	156.77	32.34
			For Spring Activated Horizontal Mount Operation, Add	13.40	
			For 3 Hour Rated, Add	17.86	
			For Dynamic Damper, Add	32.15	
			For Cap Of Damper Blades Outside Air Stream, Add	14.89	
23 33 13 16-0036	EA	20" x 12"	Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	174.77	35.35
			For Spring Activated Horizontal Mount Operation, Add	15.46	
			For 3 Hour Rated, Add	20.61	
			For Dynamic Damper, Add	37.10	
			For Cap Of Damper Blades Outside Air Stream, Add	17.18	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
23 33 13 16-0037	EA 20" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	187.04		38.18
	For Spring Activated Horizontal Mount Operation, Add	16.23		
	For 3 Hour Rated, Add	21.65		
	For Dynamic Damper, Add	38.96		
	For Cap Of Damper Blades Outside Air Stream, Add	18.04		
23 33 13 16-0038	EA 20" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	199.31		41.18
	For Spring Activated Horizontal Mount Operation, Add	17.01		
	For 3 Hour Rated, Add	22.67		
	For Dynamic Damper, Add	40.81		
	For Cap Of Damper Blades Outside Air Stream, Add	18.90		
23 33 13 16-0039	EA 20" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	212.72		44.19
	For Spring Activated Horizontal Mount Operation, Add	18.03		
	For 3 Hour Rated, Add	24.05		
	For Dynamic Damper, Add	43.28		
	For Cap Of Damper Blades Outside Air Stream, Add	20.04		
23 33 13 16-0040	EA 20" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	226.13		47.02
	For Spring Activated Horizontal Mount Operation, Add	19.06		
	For 3 Hour Rated, Add	25.42		
	For Dynamic Damper, Add	45.75		
	For Cap Of Damper Blades Outside Air Stream, Add	21.18		
23 33 13 16-0041	EA 24" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	145.63		29.52
	For Spring Activated Horizontal Mount Operation, Add	12.88		
	For 3 Hour Rated, Add	17.17		
	For Dynamic Damper, Add	30.91		
	For Cap Of Damper Blades Outside Air Stream, Add	14.31		
23 33 13 16-0042	EA 24" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	161.36		32.34
	For Spring Activated Horizontal Mount Operation, Add	14.43		
	For 3 Hour Rated, Add	19.24		
	For Dynamic Damper, Add	34.63		
	For Cap Of Damper Blades Outside Air Stream, Add	16.03		
23 33 13 16-0043	EA 24" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	174.77		35.35
	For Spring Activated Horizontal Mount Operation, Add	15.46		
	For 3 Hour Rated, Add	20.61		
	For Dynamic Damper, Add	37.10		
	For Cap Of Damper Blades Outside Air Stream, Add	17.18		
23 33 13 16-0044	EA 24" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	190.47		38.18
	For Spring Activated Horizontal Mount Operation, Add	17.01		
	For 3 Hour Rated, Add	22.67		
	For Dynamic Damper, Add	40.81		
	For Cap Of Damper Blades Outside Air Stream, Add	18.90		
23 33 13 16-0045	EA 24" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	202.74		41.18
	For Spring Activated Horizontal Mount Operation, Add	17.78		
	For 3 Hour Rated, Add	23.70		
	For Dynamic Damper, Add	42.67		
	For Cap Of Damper Blades Outside Air Stream, Add	19.75		
23 33 13 16-0046	EA 24" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	215.01		44.19
	For Spring Activated Horizontal Mount Operation, Add	18.55		
	For 3 Hour Rated, Add	24.73		
	For Dynamic Damper, Add	44.52		
	For Cap Of Damper Blades Outside Air Stream, Add	20.61		
23 33 13 16-0047	EA 24" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	230.72		47.02
	For Spring Activated Horizontal Mount Operation, Add	20.09		
	For 3 Hour Rated, Add	26.79		
	For Dynamic Damper, Add	48.23		
	For Cap Of Damper Blades Outside Air Stream, Add	22.33		
23 33 13 16-0048	EA 24" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	255.26		53.03
	For Spring Activated Horizontal Mount Operation, Add	21.64		
	For 3 Hour Rated, Add	28.85		
	For Dynamic Damper, Add	51.93		
	For Cap Of Damper Blades Outside Air Stream, Add	24.04		
23 33 13 16-0049	EA 24" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	282.11		58.86
	For Spring Activated Horizontal Mount Operation, Add	23.70		
	For 3 Hour Rated, Add	31.61		
	For Dynamic Damper, Add	56.89		
	For Cap Of Damper Blades Outside Air Stream, Add	26.34		
23 33 13 16-0050	EA 28" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	161.36		32.34
	For Spring Activated Horizontal Mount Operation, Add	14.43		
	For 3 Hour Rated, Add	19.24		
	For Dynamic Damper, Add	34.63		
	For Cap Of Damper Blades Outside Air Stream, Add	16.03		
23 33 13 16-0051	EA 28" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	174.77		35.35
	For Spring Activated Horizontal Mount Operation, Add	15.46		
	For 3 Hour Rated, Add	20.61		
	For Dynamic Damper, Add	37.10		
	For Cap Of Damper Blades Outside Air Stream, Add	17.18		
23 33 13 16-0052	EA 28" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	190.47		38.18
	For Spring Activated Horizontal Mount Operation, Add	17.01		
	For 3 Hour Rated, Add	22.67		
	For Dynamic Damper, Add	40.81		
	For Cap Of Damper Blades Outside Air Stream, Add	18.90		
23 33 13 16-0053	EA 28" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	203.88		41.18
	For Spring Activated Horizontal Mount Operation, Add	18.03		
	For 3 Hour Rated, Add	24.05		
	For Dynamic Damper, Add	43.28		
	For Cap Of Damper Blades Outside Air Stream, Add	20.04		
23 33 13 16-0054	EA 28" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	218.44		44.19
	For Spring Activated Horizontal Mount Operation, Add	19.32		
	For 3 Hour Rated, Add	25.76		
	For Dynamic Damper, Add	46.37		
	For Cap Of Damper Blades Outside Air Stream, Add	21.47		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0055	EA		28" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	232.99	47.02
			For Spring Activated Horizontal Mount Operation, Add	20.61	
			For 3 Hour Rated, Add	27.47	
			For Dynamic Damper, Add	49.45	
			For Cap Of Damper Blades Outside Air Stream, Add	22.90	
23 33 13 16-0056	EA		28" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	257.55	53.03
			For Spring Activated Horizontal Mount Operation, Add	22.15	
			For 3 Hour Rated, Add	29.54	
			For Dynamic Damper, Add	53.17	
			For Cap Of Damper Blades Outside Air Stream, Add	24.62	
23 33 13 16-0057	EA		28" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	282.11	58.86
			For Spring Activated Horizontal Mount Operation, Add	23.70	
			For 3 Hour Rated, Add	31.61	
			For Dynamic Damper, Add	56.89	
			For Cap Of Damper Blades Outside Air Stream, Add	26.34	
23 33 13 16-0058	EA		28" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	304.67	61.87
			For Spring Activated Horizontal Mount Operation, Add	26.79	
			For 3 Hour Rated, Add	35.72	
			For Dynamic Damper, Add	64.30	
			For Cap Of Damper Blades Outside Air Stream, Add	29.77	
23 33 13 16-0059	EA		28" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	333.81	67.70
			For Spring Activated Horizontal Mount Operation, Add	29.37	
			For 3 Hour Rated, Add	39.16	
			For Dynamic Damper, Add	70.49	
			For Cap Of Damper Blades Outside Air Stream, Add	32.63	
23 33 13 16-0060	EA		32" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	181.64	35.35
			For Spring Activated Horizontal Mount Operation, Add	17.01	
			For 3 Hour Rated, Add	22.67	
			For Dynamic Damper, Add	40.81	
			For Cap Of Damper Blades Outside Air Stream, Add	18.90	
23 33 13 16-0061	EA		32" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	192.74	38.18
			For Spring Activated Horizontal Mount Operation, Add	17.52	
			For 3 Hour Rated, Add	23.36	
			For Dynamic Damper, Add	42.04	
			For Cap Of Damper Blades Outside Air Stream, Add	19.46	
23 33 13 16-0062	EA		32" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	203.88	41.18
			For Spring Activated Horizontal Mount Operation, Add	18.03	
			For 3 Hour Rated, Add	24.05	
			For Dynamic Damper, Add	43.28	
			For Cap Of Damper Blades Outside Air Stream, Add	20.04	
23 33 13 16-0063	EA		32" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	217.29	44.19
			For Spring Activated Horizontal Mount Operation, Add	19.06	
			For 3 Hour Rated, Add	25.42	
			For Dynamic Damper, Add	45.75	
			For Cap Of Damper Blades Outside Air Stream, Add	21.18	
23 33 13 16-0064	EA		32" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	233.43	47.02
			For Spring Activated Horizontal Mount Operation, Add	20.70	
			For 3 Hour Rated, Add	27.61	
			For Dynamic Damper, Add	49.69	
			For Cap Of Damper Blades Outside Air Stream, Add	23.01	
23 33 13 16-0065	EA		32" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	257.55	53.03
			For Spring Activated Horizontal Mount Operation, Add	22.15	
			For 3 Hour Rated, Add	29.54	
			For Dynamic Damper, Add	53.17	
			For Cap Of Damper Blades Outside Air Stream, Add	24.62	
23 33 13 16-0066	EA		32" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	284.40	58.86
			For Spring Activated Horizontal Mount Operation, Add	24.22	
			For 3 Hour Rated, Add	32.29	
			For Dynamic Damper, Add	58.13	
			For Cap Of Damper Blades Outside Air Stream, Add	26.91	
23 33 13 16-0067	EA		32" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	311.24	64.70
			For Spring Activated Horizontal Mount Operation, Add	26.28	
			For 3 Hour Rated, Add	35.04	
			For Dynamic Damper, Add	63.07	
			For Cap Of Damper Blades Outside Air Stream, Add	29.20	
23 33 13 16-0068	EA		32" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	333.81	67.70
			For Spring Activated Horizontal Mount Operation, Add	29.37	
			For 3 Hour Rated, Add	39.16	
			For Dynamic Damper, Add	70.49	
			For Cap Of Damper Blades Outside Air Stream, Add	32.63	
23 33 13 16-0069	EA		32" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	363.99	72.47
			For Spring Activated Horizontal Mount Operation, Add	32.98	
			For 3 Hour Rated, Add	43.97	
			For Dynamic Damper, Add	79.15	
			For Cap Of Damper Blades Outside Air Stream, Add	36.64	
23 33 13 16-0070	EA		32" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	394.67	76.54
			For Spring Activated Horizontal Mount Operation, Add	37.10	
			For 3 Hour Rated, Add	49.46	
			For Dynamic Damper, Add	89.04	
			For Cap Of Damper Blades Outside Air Stream, Add	41.22	
23 33 13 16-0071	EA		36" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	197.33	38.18
			For Spring Activated Horizontal Mount Operation, Add	18.55	
			For 3 Hour Rated, Add	24.73	
			For Dynamic Damper, Add	44.52	
			For Cap Of Damper Blades Outside Air Stream, Add	20.61	
23 33 13 16-0072	EA		36" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	210.74	41.18
			For Spring Activated Horizontal Mount Operation, Add	19.58	
			For 3 Hour Rated, Add	26.10	
			For Dynamic Damper, Add	46.99	
			For Cap Of Damper Blades Outside Air Stream, Add	21.75	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

23 33 13 16-0073	EA 36" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	224.15	44.19
	For Spring Activated Horizontal Mount Operation, Add	20.61	
	For 3 Hour Rated, Add	27.47	
	For Dynamic Damper, Add	49.45	
	For Cap Of Damper Blades Outside Air Stream, Add	22.90	
23 33 13 16-0074	EA 36" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	239.87	47.02
	For Spring Activated Horizontal Mount Operation, Add	22.15	
	For 3 Hour Rated, Add	29.54	
	For Dynamic Damper, Add	53.17	
	For Cap Of Damper Blades Outside Air Stream, Add	24.62	
23 33 13 16-0075	EA 36" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	261.00	53.03
	For Spring Activated Horizontal Mount Operation, Add	22.93	
	For 3 Hour Rated, Add	30.57	
	For Dynamic Damper, Add	55.03	
	For Cap Of Damper Blades Outside Air Stream, Add	25.48	
23 33 13 16-0076	EA 36" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	273.27	55.86
	For Spring Activated Horizontal Mount Operation, Add	23.70	
	For 3 Hour Rated, Add	31.61	
	For Dynamic Damper, Add	56.89	
	For Cap Of Damper Blades Outside Air Stream, Add	26.34	
23 33 13 16-0077	EA 36" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	311.24	64.70
	For Spring Activated Horizontal Mount Operation, Add	26.28	
	For 3 Hour Rated, Add	35.04	
	For Dynamic Damper, Add	63.07	
	For Cap Of Damper Blades Outside Air Stream, Add	29.20	
23 33 13 16-0078	EA 36" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	340.35	70.71
	For Spring Activated Horizontal Mount Operation, Add	28.85	
	For 3 Hour Rated, Add	38.47	
	For Dynamic Damper, Add	69.24	
	For Cap Of Damper Blades Outside Air Stream, Add	32.06	
23 33 13 16-0079	EA 36" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	300.32	73.01
	For Spring Activated Horizontal Mount Operation, Add	18.25	
	For 3 Hour Rated, Add	24.34	
	For Dynamic Damper, Add	43.81	
	For Cap Of Damper Blades Outside Air Stream, Add	20.28	
23 33 13 16-0080	EA 36" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	395.39	78.31
	For Spring Activated Horizontal Mount Operation, Add	36.07	
	For 3 Hour Rated, Add	48.09	
	For Dynamic Damper, Add	86.56	
	For Cap Of Damper Blades Outside Air Stream, Add	40.08	
23 33 13 16-0081	EA 36" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	423.79	82.37
	For Spring Activated Horizontal Mount Operation, Add	39.67	
	For 3 Hour Rated, Add	52.90	
	For Dynamic Damper, Add	95.21	
	For Cap Of Damper Blades Outside Air Stream, Add	44.08	
23 33 13 16-0082	EA 36" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	450.94	85.37
	For Spring Activated Horizontal Mount Operation, Add	43.79	
	For 3 Hour Rated, Add	58.39	
	For Dynamic Damper, Add	105.10	
	For Cap Of Damper Blades Outside Air Stream, Add	48.66	
23 33 13 16-0083	EA 40" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	208.45	44.19
	For Spring Activated Horizontal Mount Operation, Add	19.06	
	For 3 Hour Rated, Add	25.42	
	For Dynamic Damper, Add	45.75	
	For Cap Of Damper Blades Outside Air Stream, Add	21.18	
23 33 13 16-0084	EA 40" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	226.45	47.02
	For Spring Activated Horizontal Mount Operation, Add	21.12	
	For 3 Hour Rated, Add	28.16	
	For Dynamic Damper, Add	50.70	
	For Cap Of Damper Blades Outside Air Stream, Add	23.47	
23 33 13 16-0085	EA 40" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	237.58	50.02
	For Spring Activated Horizontal Mount Operation, Add	21.64	
	For 3 Hour Rated, Add	28.85	
	For Dynamic Damper, Add	51.93	
	For Cap Of Damper Blades Outside Air Stream, Add	24.04	
23 33 13 16-0086	EA 40" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	248.71	53.03
	For Spring Activated Horizontal Mount Operation, Add	22.15	
	For 3 Hour Rated, Add	29.54	
	For Dynamic Damper, Add	53.17	
	For Cap Of Damper Blades Outside Air Stream, Add	24.62	
23 33 13 16-0087	EA 40" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	274.40	55.86
	For Spring Activated Horizontal Mount Operation, Add	23.96	
	For 3 Hour Rated, Add	31.94	
	For Dynamic Damper, Add	57.50	
	For Cap Of Damper Blades Outside Air Stream, Add	26.62	
23 33 13 16-0088	EA 40" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	291.26	58.86
	For Spring Activated Horizontal Mount Operation, Add	25.76	
	For 3 Hour Rated, Add	34.35	
	For Dynamic Damper, Add	61.83	
	For Cap Of Damper Blades Outside Air Stream, Add	28.63	
23 33 13 16-0089	EA 40" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	326.94	67.70
	For Spring Activated Horizontal Mount Operation, Add	27.82	
	For 3 Hour Rated, Add	37.10	
	For Dynamic Damper, Add	66.78	
	For Cap Of Damper Blades Outside Air Stream, Add	30.92	
23 33 13 16-0090	EA 40" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	353.78	73.53
	For Spring Activated Horizontal Mount Operation, Add	29.88	
	For 3 Hour Rated, Add	39.85	
	For Dynamic Damper, Add	71.72	
	For Cap Of Damper Blades Outside Air Stream, Add	33.21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0091	EA		40" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	381.66	78.31
			For Spring Activated Horizontal Mount Operation, Add	32.98	
			For 3 Hour Rated, Add	43.97	
			For Dynamic Damper, Add	79.15	
			For Cap Of Damper Blades Outside Air Stream, Add	36.64	
23 33 13 16-0092	EA		40" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	419.22	82.37
			For Spring Activated Horizontal Mount Operation, Add	38.64	
			For 3 Hour Rated, Add	51.53	
			For Dynamic Damper, Add	92.75	
			For Cap Of Damper Blades Outside Air Stream, Add	42.94	
23 33 13 16-0093	EA		40" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	447.09	87.14
			For Spring Activated Horizontal Mount Operation, Add	41.73	
			For 3 Hour Rated, Add	55.64	
			For Dynamic Damper, Add	100.16	
			For Cap Of Damper Blades Outside Air Stream, Add	46.37	
23 33 13 16-0094	EA		40" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	479.35	89.44
			For Spring Activated Horizontal Mount Operation, Add	47.40	
			For 3 Hour Rated, Add	63.20	
			For Dynamic Damper, Add	113.76	
			For Cap Of Damper Blades Outside Air Stream, Add	52.67	
23 33 13 16-0095	EA		40" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	516.41	94.21
			For Spring Activated Horizontal Mount Operation, Add	52.56	
			For 3 Hour Rated, Add	70.07	
			For Dynamic Damper, Add	126.13	
			For Cap Of Damper Blades Outside Air Stream, Add	58.40	
23 33 13 16-0096	EA		44" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	221.88	44.19
			For Spring Activated Horizontal Mount Operation, Add	20.09	
			For 3 Hour Rated, Add	26.79	
			For Dynamic Damper, Add	48.23	
			For Cap Of Damper Blades Outside Air Stream, Add	22.33	
23 33 13 16-0097	EA		44" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	239.87	47.02
			For Spring Activated Horizontal Mount Operation, Add	22.15	
			For 3 Hour Rated, Add	29.54	
			For Dynamic Damper, Add	53.17	
			For Cap Of Damper Blades Outside Air Stream, Add	24.62	
23 33 13 16-0098	EA		44" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	255.60	50.02
			For Spring Activated Horizontal Mount Operation, Add	23.70	
			For 3 Hour Rated, Add	31.61	
			For Dynamic Damper, Add	56.89	
			For Cap Of Damper Blades Outside Air Stream, Add	26.34	
23 33 13 16-0099	EA		44" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	266.73	53.03
			For Spring Activated Horizontal Mount Operation, Add	24.22	
			For 3 Hour Rated, Add	32.29	
			For Dynamic Damper, Add	58.13	
			For Cap Of Damper Blades Outside Air Stream, Add	26.91	
23 33 13 16-0100	EA		44" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	284.72	55.86
			For Spring Activated Horizontal Mount Operation, Add	26.28	
			For 3 Hour Rated, Add	35.04	
			For Dynamic Damper, Add	63.07	
			For Cap Of Damper Blades Outside Air Stream, Add	29.20	
23 33 13 16-0101	EA		44" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	302.72	58.86
			For Spring Activated Horizontal Mount Operation, Add	28.34	
			For 3 Hour Rated, Add	37.79	
			For Dynamic Damper, Add	68.02	
			For Cap Of Damper Blades Outside Air Stream, Add	31.49	
23 33 13 16-0102	EA		44" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	349.53	70.71
			For Spring Activated Horizontal Mount Operation, Add	30.92	
			For 3 Hour Rated, Add	41.22	
			For Dynamic Damper, Add	74.20	
			For Cap Of Damper Blades Outside Air Stream, Add	34.35	
23 33 13 16-0103	EA		44" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	378.63	76.54
			For Spring Activated Horizontal Mount Operation, Add	33.49	
			For 3 Hour Rated, Add	44.65	
			For Dynamic Damper, Add	80.37	
			For Cap Of Damper Blades Outside Air Stream, Add	37.21	
23 33 13 16-0104	EA		44" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	419.22	82.37
			For Spring Activated Horizontal Mount Operation, Add	38.64	
			For 3 Hour Rated, Add	51.53	
			For Dynamic Damper, Add	92.75	
			For Cap Of Damper Blades Outside Air Stream, Add	42.94	
23 33 13 16-0105	EA		44" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	457.51	88.39
			For Spring Activated Horizontal Mount Operation, Add	43.28	
			For 3 Hour Rated, Add	57.71	
			For Dynamic Damper, Add	103.87	
			For Cap Of Damper Blades Outside Air Stream, Add	48.09	
23 33 13 16-0106	EA		44" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	498.08	94.21
			For Spring Activated Horizontal Mount Operation, Add	48.43	
			For 3 Hour Rated, Add	64.58	
			For Dynamic Damper, Add	116.24	
			For Cap Of Damper Blades Outside Air Stream, Add	53.81	
23 33 13 16-0107	EA		44" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	527.53	97.04
			For Spring Activated Horizontal Mount Operation, Add	53.07	
			For 3 Hour Rated, Add	70.76	
			For Dynamic Damper, Add	127.36	
			For Cap Of Damper Blades Outside Air Stream, Add	58.97	
23 33 13 16-0108	EA		44" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	556.97	100.05
			For Spring Activated Horizontal Mount Operation, Add	57.71	
			For 3 Hour Rated, Add	76.94	
			For Dynamic Damper, Add	138.49	
			For Cap Of Damper Blades Outside Air Stream, Add	64.12	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

23 33 13 16-0109	EA 44" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	586.43	103.05
	For Spring Activated Horizontal Mount Operation, Add	62.35	
	For 3 Hour Rated, Add	83.13	
	For Dynamic Damper, Add	149.63	
	For Cap Of Damper Blades Outside Air Stream, Add	69.27	
23 33 13 16-0110	EA 48" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	237.58	47.02
	For Spring Activated Horizontal Mount Operation, Add	21.64	
	For 3 Hour Rated, Add	28.85	
	For Dynamic Damper, Add	51.93	
	For Cap Of Damper Blades Outside Air Stream, Add	24.04	
23 33 13 16-0111	EA 48" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	255.60	50.02
	For Spring Activated Horizontal Mount Operation, Add	23.70	
	For 3 Hour Rated, Add	31.61	
	For Dynamic Damper, Add	56.89	
	For Cap Of Damper Blades Outside Air Stream, Add	26.34	
23 33 13 16-0112	EA 48" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	266.73	53.03
	For Spring Activated Horizontal Mount Operation, Add	24.22	
	For 3 Hour Rated, Add	32.29	
	For Dynamic Damper, Add	58.13	
	For Cap Of Damper Blades Outside Air Stream, Add	26.91	
23 33 13 16-0113	EA 48" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	291.26	58.86
	For Spring Activated Horizontal Mount Operation, Add	25.76	
	For 3 Hour Rated, Add	34.35	
	For Dynamic Damper, Add	61.83	
	For Cap Of Damper Blades Outside Air Stream, Add	28.63	
23 33 13 16-0114	EA 48" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	318.10	64.70
	For Spring Activated Horizontal Mount Operation, Add	27.82	
	For 3 Hour Rated, Add	37.10	
	For Dynamic Damper, Add	66.78	
	For Cap Of Damper Blades Outside Air Stream, Add	30.92	
23 33 13 16-0115	EA 48" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	344.94	70.71
	For Spring Activated Horizontal Mount Operation, Add	29.88	
	For 3 Hour Rated, Add	39.85	
	For Dynamic Damper, Add	71.72	
	For Cap Of Damper Blades Outside Air Stream, Add	33.21	
23 33 13 16-0116	EA 48" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	376.36	76.54
	For Spring Activated Horizontal Mount Operation, Add	32.98	
	For 3 Hour Rated, Add	43.97	
	For Dynamic Damper, Add	79.15	
	For Cap Of Damper Blades Outside Air Stream, Add	36.64	
23 33 13 16-0117	EA 48" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	407.77	82.37
	For Spring Activated Horizontal Mount Operation, Add	36.07	
	For 3 Hour Rated, Add	48.09	
	For Dynamic Damper, Add	86.56	
	For Cap Of Damper Blades Outside Air Stream, Add	40.08	
23 33 13 16-0118	EA 48" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	446.06	88.39
	For Spring Activated Horizontal Mount Operation, Add	40.70	
	For 3 Hour Rated, Add	54.27	
	For Dynamic Damper, Add	97.69	
	For Cap Of Damper Blades Outside Air Stream, Add	45.23	
23 33 13 16-0119	EA 48" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	488.92	94.21
	For Spring Activated Horizontal Mount Operation, Add	46.37	
	For 3 Hour Rated, Add	61.83	
	For Dynamic Damper, Add	111.29	
	For Cap Of Damper Blades Outside Air Stream, Add	51.52	
23 33 13 16-0120	EA 48" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	518.38	97.04
	For Spring Activated Horizontal Mount Operation, Add	51.01	
	For 3 Hour Rated, Add	68.01	
	For Dynamic Damper, Add	122.42	
	For Cap Of Damper Blades Outside Air Stream, Add	56.68	
23 33 13 16-0121	EA 48" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	554.67	100.05
	For Spring Activated Horizontal Mount Operation, Add	57.19	
	For 3 Hour Rated, Add	76.25	
	For Dynamic Damper, Add	137.25	
	For Cap Of Damper Blades Outside Air Stream, Add	63.54	
23 33 13 16-0122	EA 48" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	592.98	105.88
	For Spring Activated Horizontal Mount Operation, Add	61.83	
	For 3 Hour Rated, Add	82.44	
	For Dynamic Damper, Add	148.39	
	For Cap Of Damper Blades Outside Air Stream, Add	68.70	
23 33 13 16-0123	EA 48" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	629.29	108.89
	For Spring Activated Horizontal Mount Operation, Add	68.01	
	For 3 Hour Rated, Add	90.68	
	For Dynamic Damper, Add	163.23	
	For Cap Of Damper Blades Outside Air Stream, Add	75.57	
23 33 13 16-0124	EA 48" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	674.12	117.73
	For Spring Activated Horizontal Mount Operation, Add	72.13	
	For 3 Hour Rated, Add	96.18	
	For Dynamic Damper, Add	173.12	
	For Cap Of Damper Blades Outside Air Stream, Add	80.15	
23 33 13 16-0125	EA 52" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	253.30	50.02
	For Spring Activated Horizontal Mount Operation, Add	23.19	
	For 3 Hour Rated, Add	30.92	
	For Dynamic Damper, Add	55.65	
	For Cap Of Damper Blades Outside Air Stream, Add	25.76	
23 33 13 16-0126	EA 52" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	271.30	53.03
	For Spring Activated Horizontal Mount Operation, Add	25.25	
	For 3 Hour Rated, Add	33.66	
	For Dynamic Damper, Add	60.59	
	For Cap Of Damper Blades Outside Air Stream, Add	28.05	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0127 EA 52" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	298.13	58.86
For Spring Activated Horizontal Mount Operation, Add	27.31	
For 3 Hour Rated, Add	36.41	
For Dynamic Damper, Add	65.54	
For Cap Of Damper Blades Outside Air Stream, Add	30.34	
23 33 13 16-0128 EA 52" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	318.10	64.70
For Spring Activated Horizontal Mount Operation, Add	27.82	
For 3 Hour Rated, Add	37.10	
For Dynamic Damper, Add	66.78	
For Cap Of Damper Blades Outside Air Stream, Add	30.92	
23 33 13 16-0129 EA 52" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	346.10	70.71
For Spring Activated Horizontal Mount Operation, Add	30.15	
For 3 Hour Rated, Add	40.19	
For Dynamic Damper, Add	72.35	
For Cap Of Damper Blades Outside Air Stream, Add	33.50	
23 33 13 16-0130 EA 52" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	374.06	76.54
For Spring Activated Horizontal Mount Operation, Add	32.46	
For 3 Hour Rated, Add	43.28	
For Dynamic Damper, Add	77.91	
For Cap Of Damper Blades Outside Air Stream, Add	36.07	
23 33 13 16-0131 EA 52" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	405.49	82.37
For Spring Activated Horizontal Mount Operation, Add	35.55	
For 3 Hour Rated, Add	47.41	
For Dynamic Damper, Add	85.33	
For Cap Of Damper Blades Outside Air Stream, Add	39.51	
23 33 13 16-0132 EA 52" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	436.90	88.39
For Spring Activated Horizontal Mount Operation, Add	38.64	
For 3 Hour Rated, Add	51.53	
For Dynamic Damper, Add	92.75	
For Cap Of Damper Blades Outside Air Stream, Add	42.94	
23 33 13 16-0133 EA 52" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	475.19	94.21
For Spring Activated Horizontal Mount Operation, Add	43.28	
For 3 Hour Rated, Add	57.71	
For Dynamic Damper, Add	103.87	
For Cap Of Damper Blades Outside Air Stream, Add	48.09	
23 33 13 16-0134 EA 52" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	520.33	100.05
For Spring Activated Horizontal Mount Operation, Add	49.46	
For 3 Hour Rated, Add	65.95	
For Dynamic Damper, Add	118.71	
For Cap Of Damper Blades Outside Air Stream, Add	54.96	
23 33 13 16-0135 EA 52" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	552.06	103.05
For Spring Activated Horizontal Mount Operation, Add	54.61	
For 3 Hour Rated, Add	72.82	
For Dynamic Damper, Add	131.07	
For Cap Of Damper Blades Outside Air Stream, Add	60.68	
23 33 13 16-0136 EA 52" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	590.69	105.88
For Spring Activated Horizontal Mount Operation, Add	61.31	
For 3 Hour Rated, Add	81.75	
For Dynamic Damper, Add	147.16	
For Cap Of Damper Blades Outside Air Stream, Add	68.13	
23 33 13 16-0137 EA 52" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	635.82	111.89
For Spring Activated Horizontal Mount Operation, Add	67.49	
For 3 Hour Rated, Add	89.99	
For Dynamic Damper, Add	161.98	
For Cap Of Damper Blades Outside Air Stream, Add	74.99	
23 33 13 16-0138 EA 52" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	674.12	117.73
For Spring Activated Horizontal Mount Operation, Add	72.13	
For 3 Hour Rated, Add	96.18	
For Dynamic Damper, Add	173.12	
For Cap Of Damper Blades Outside Air Stream, Add	80.15	
23 33 13 16-0139 EA 52" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	728.11	126.57
For Spring Activated Horizontal Mount Operation, Add	78.32	
For 3 Hour Rated, Add	104.42	
For Dynamic Damper, Add	187.96	
For Cap Of Damper Blades Outside Air Stream, Add	87.02	
23 33 13 16-0140 EA 52" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	768.69	132.39
For Spring Activated Horizontal Mount Operation, Add	83.47	
For 3 Hour Rated, Add	111.29	
For Dynamic Damper, Add	200.32	
For Cap Of Damper Blades Outside Air Stream, Add	92.74	
23 33 13 16-0141 EA 56" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	266.73	53.03
For Spring Activated Horizontal Mount Operation, Add	24.22	
For 3 Hour Rated, Add	32.29	
For Dynamic Damper, Add	58.13	
For Cap Of Damper Blades Outside Air Stream, Add	26.91	
23 33 13 16-0142 EA 56" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	295.83	58.86
For Spring Activated Horizontal Mount Operation, Add	26.79	
For 3 Hour Rated, Add	35.72	
For Dynamic Damper, Add	64.30	
For Cap Of Damper Blades Outside Air Stream, Add	29.77	
23 33 13 16-0143 EA 56" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	320.40	64.70
For Spring Activated Horizontal Mount Operation, Add	28.34	
For 3 Hour Rated, Add	37.79	
For Dynamic Damper, Add	68.02	
For Cap Of Damper Blades Outside Air Stream, Add	31.49	
23 33 13 16-0144 EA 56" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	340.35	70.71
For Spring Activated Horizontal Mount Operation, Add	28.85	
For 3 Hour Rated, Add	38.47	
For Dynamic Damper, Add	69.24	
For Cap Of Damper Blades Outside Air Stream, Add	32.06	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
23 33 13 16-0145	EA 56" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	370.63		76.54
	For Spring Activated Horizontal Mount Operation, Add	31.69		
	For 3 Hour Rated, Add	42.25		
	For Dynamic Damper, Add	76.05		
	For Cap Of Damper Blades Outside Air Stream, Add	35.21		
23 33 13 16-0146	EA 56" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	400.90		82.37
	For Spring Activated Horizontal Mount Operation, Add	34.52		
	For 3 Hour Rated, Add	46.03		
	For Dynamic Damper, Add	82.85		
	For Cap Of Damper Blades Outside Air Stream, Add	38.36		
23 33 13 16-0147	EA 56" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	431.17		88.39
	For Spring Activated Horizontal Mount Operation, Add	37.35		
	For 3 Hour Rated, Add	49.81		
	For Dynamic Damper, Add	89.65		
	For Cap Of Damper Blades Outside Air Stream, Add	41.51		
23 33 13 16-0148	EA 56" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	461.44		94.21
	For Spring Activated Horizontal Mount Operation, Add	40.19		
	For 3 Hour Rated, Add	53.58		
	For Dynamic Damper, Add	96.45		
	For Cap Of Damper Blades Outside Air Stream, Add	44.65		
23 33 13 16-0149	EA 56" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	506.59		100.05
	For Spring Activated Horizontal Mount Operation, Add	46.37		
	For 3 Hour Rated, Add	61.83		
	For Dynamic Damper, Add	111.29		
	For Cap Of Damper Blades Outside Air Stream, Add	51.52		
23 33 13 16-0150	EA 56" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	542.92		103.05
	For Spring Activated Horizontal Mount Operation, Add	52.56		
	For 3 Hour Rated, Add	70.07		
	For Dynamic Damper, Add	126.13		
	For Cap Of Damper Blades Outside Air Stream, Add	58.40		
23 33 13 16-0151	EA 56" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	576.94		105.88
	For Spring Activated Horizontal Mount Operation, Add	58.22		
	For 3 Hour Rated, Add	77.63		
	For Dynamic Damper, Add	139.73		
	For Cap Of Damper Blades Outside Air Stream, Add	64.69		
23 33 13 16-0152	EA 56" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	626.68		111.89
	For Spring Activated Horizontal Mount Operation, Add	65.43		
	For 3 Hour Rated, Add	87.25		
	For Dynamic Damper, Add	157.04		
	For Cap Of Damper Blades Outside Air Stream, Add	72.71		
23 33 13 16-0153	EA 56" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	671.83		117.73
	For Spring Activated Horizontal Mount Operation, Add	71.62		
	For 3 Hour Rated, Add	95.49		
	For Dynamic Damper, Add	171.88		
	For Cap Of Damper Blades Outside Air Stream, Add	79.58		
23 33 13 16-0154	EA 56" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	719.27		123.55
	For Spring Activated Horizontal Mount Operation, Add	78.32		
	For 3 Hour Rated, Add	104.42		
	For Dynamic Damper, Add	187.96		
	For Cap Of Damper Blades Outside Air Stream, Add	87.02		
23 33 13 16-0155	EA 56" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	759.85		129.57
	For Spring Activated Horizontal Mount Operation, Add	83.47		
	For 3 Hour Rated, Add	111.29		
	For Dynamic Damper, Add	200.32		
	For Cap Of Damper Blades Outside Air Stream, Add	92.74		
23 33 13 16-0156	EA 56" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	807.30		135.41
	For Spring Activated Horizontal Mount Operation, Add	90.17		
	For 3 Hour Rated, Add	120.22		
	For Dynamic Damper, Add	216.40		
	For Cap Of Damper Blades Outside Air Stream, Add	100.19		
23 33 13 16-0157	EA 56" x 56" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	854.74		141.23
	For Spring Activated Horizontal Mount Operation, Add	96.86		
	For 3 Hour Rated, Add	129.15		
	For Dynamic Damper, Add	232.48		
	For Cap Of Damper Blades Outside Air Stream, Add	107.63		
23 33 13 16-0158	EA 60" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	291.26		58.86
	For Spring Activated Horizontal Mount Operation, Add	25.76		
	For 3 Hour Rated, Add	34.35		
	For Dynamic Damper, Add	61.83		
	For Cap Of Damper Blades Outside Air Stream, Add	28.63		
23 33 13 16-0159	EA 60" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	320.40		64.70
	For Spring Activated Horizontal Mount Operation, Add	28.34		
	For 3 Hour Rated, Add	37.79		
	For Dynamic Damper, Add	68.02		
	For Cap Of Damper Blades Outside Air Stream, Add	31.49		
23 33 13 16-0160	EA 60" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	342.65		70.71
	For Spring Activated Horizontal Mount Operation, Add	29.37		
	For 3 Hour Rated, Add	39.16		
	For Dynamic Damper, Add	70.49		
	For Cap Of Damper Blades Outside Air Stream, Add	32.63		
23 33 13 16-0161	EA 60" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	362.61		76.54
	For Spring Activated Horizontal Mount Operation, Add	29.88		
	For 3 Hour Rated, Add	39.85		
	For Dynamic Damper, Add	71.72		
	For Cap Of Damper Blades Outside Air Stream, Add	33.21		
23 33 13 16-0162	EA 60" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	394.04		82.37
	For Spring Activated Horizontal Mount Operation, Add	32.98		
	For 3 Hour Rated, Add	43.97		
	For Dynamic Damper, Add	79.15		
	For Cap Of Damper Blades Outside Air Stream, Add	36.64		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0163	EA		60" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	425.45	88.39
			For Spring Activated Horizontal Mount Operation, Add	36.07	
			For 3 Hour Rated, Add	48.09	
			For Dynamic Damper, Add	86.56	
			For Cap Of Damper Blades Outside Air Stream, Add	40.08	
23 33 13 16-0164	EA		60" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	458.01	94.21
			For Spring Activated Horizontal Mount Operation, Add	39.42	
			For 3 Hour Rated, Add	52.55	
			For Dynamic Damper, Add	94.60	
			For Cap Of Damper Blades Outside Air Stream, Add	43.80	
23 33 13 16-0165	EA		60" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	490.56	100.05
			For Spring Activated Horizontal Mount Operation, Add	42.76	
			For 3 Hour Rated, Add	57.02	
			For Dynamic Damper, Add	102.63	
			For Cap Of Damper Blades Outside Air Stream, Add	47.52	
23 33 13 16-0166	EA		60" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	529.17	103.05
			For Spring Activated Horizontal Mount Operation, Add	49.46	
			For 3 Hour Rated, Add	65.95	
			For Dynamic Damper, Add	118.71	
			For Cap Of Damper Blades Outside Air Stream, Add	54.96	
23 33 13 16-0167	EA		60" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	565.49	105.88
			For Spring Activated Horizontal Mount Operation, Add	55.64	
			For 3 Hour Rated, Add	74.19	
			For Dynamic Damper, Add	133.55	
			For Cap Of Damper Blades Outside Air Stream, Add	61.83	
23 33 13 16-0168	EA		60" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	612.95	111.89
			For Spring Activated Horizontal Mount Operation, Add	62.35	
			For 3 Hour Rated, Add	83.13	
			For Dynamic Damper, Add	149.63	
			For Cap Of Damper Blades Outside Air Stream, Add	69.27	
23 33 13 16-0169	EA		60" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	660.39	117.73
			For Spring Activated Horizontal Mount Operation, Add	69.04	
			For 3 Hour Rated, Add	92.06	
			For Dynamic Damper, Add	165.70	
			For Cap Of Damper Blades Outside Air Stream, Add	76.72	
23 33 13 16-0170	EA		60" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	700.95	123.55
			For Spring Activated Horizontal Mount Operation, Add	74.19	
			For 3 Hour Rated, Add	98.93	
			For Dynamic Damper, Add	178.07	
			For Cap Of Damper Blades Outside Air Stream, Add	82.44	
23 33 13 16-0171	EA		60" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	755.26	129.57
			For Spring Activated Horizontal Mount Operation, Add	82.44	
			For 3 Hour Rated, Add	109.91	
			For Dynamic Damper, Add	197.85	
			For Cap Of Damper Blades Outside Air Stream, Add	91.60	
23 33 13 16-0172	EA		60" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	805.01	135.41
			For Spring Activated Horizontal Mount Operation, Add	89.65	
			For 3 Hour Rated, Add	119.54	
			For Dynamic Damper, Add	215.16	
			For Cap Of Damper Blades Outside Air Stream, Add	99.61	
23 33 13 16-0173	EA		60" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	854.74	141.23
			For Spring Activated Horizontal Mount Operation, Add	96.86	
			For 3 Hour Rated, Add	129.15	
			For Dynamic Damper, Add	232.48	
			For Cap Of Damper Blades Outside Air Stream, Add	107.63	
23 33 13 16-0174	EA		60" x 56" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	899.88	147.25
			For Spring Activated Horizontal Mount Operation, Add	103.04	
			For 3 Hour Rated, Add	137.39	
			For Dynamic Damper, Add	247.30	
			For Cap Of Damper Blades Outside Air Stream, Add	114.49	
23 33 13 16-0175	EA		60" x 60" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	945.07	153.08
			For Spring Activated Horizontal Mount Operation, Add	109.23	
			For 3 Hour Rated, Add	145.64	
			For Dynamic Damper, Add	262.16	
			For Cap Of Damper Blades Outside Air Stream, Add	121.37	
23 33 13 16-0176			Parallel Blade Louver Fire Damper (23 33 13 16)		
			Note: UL listed, 22 gauge galvanized steel construction with fusible link 160 F spring actuated 1-1/2 hour fire rating.		
23 33 13 16-0177	EA		6" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	125.21	19.62
			For Spring Activated Horizontal Mount Operation, Add	14.93	
			For 3 Hour Rated, Add	19.91	
			For Dynamic Damper, Add	35.83	
23 33 13 16-0178	EA		8" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	130.71	20.50
			For Spring Activated Horizontal Mount Operation, Add	15.57	
			For 3 Hour Rated, Add	20.76	
			For Dynamic Damper, Add	37.36	
23 33 13 16-0179	EA		8" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	133.93	20.68
			For Spring Activated Horizontal Mount Operation, Add	16.21	
			For 3 Hour Rated, Add	21.62	
			For Dynamic Damper, Add	38.91	
23 33 13 16-0180	EA		10" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	133.93	20.68
			For Spring Activated Horizontal Mount Operation, Add	16.21	
			For 3 Hour Rated, Add	21.62	
			For Dynamic Damper, Add	38.91	
23 33 13 16-0181	EA		10" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	138.57	21.22
			For Spring Activated Horizontal Mount Operation, Add	16.86	
			For 3 Hour Rated, Add	22.48	
			For Dynamic Damper, Add	40.46	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 33 13 16-0182	EA	10" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	151.35	23.51
		For Spring Activated Horizontal Mount Operation, Add	18.14	
		For 3 Hour Rated, Add	24.19	
		For Dynamic Damper, Add	43.55	
23 33 13 16-0183	EA	12" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	138.57	21.22
		For Spring Activated Horizontal Mount Operation, Add	16.86	
		For 3 Hour Rated, Add	22.48	
		For Dynamic Damper, Add	40.46	
23 33 13 16-0184	EA	12" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	147.81	22.45
		For Spring Activated Horizontal Mount Operation, Add	18.14	
		For 3 Hour Rated, Add	24.19	
		For Dynamic Damper, Add	43.55	
23 33 13 16-0185	EA	12" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	154.22	23.51
		For Spring Activated Horizontal Mount Operation, Add	18.79	
		For 3 Hour Rated, Add	25.05	
		For Dynamic Damper, Add	45.10	
23 33 13 16-0186	EA	12" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	165.93	26.52
		For Spring Activated Horizontal Mount Operation, Add	19.44	
		For 3 Hour Rated, Add	25.91	
		For Dynamic Damper, Add	46.65	
23 33 13 16-0187	EA	14" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	146.39	22.45
		For Spring Activated Horizontal Mount Operation, Add	17.82	
		For 3 Hour Rated, Add	23.77	
		For Dynamic Damper, Add	42.78	
23 33 13 16-0188	EA	14" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	154.22	23.51
		For Spring Activated Horizontal Mount Operation, Add	18.79	
		For 3 Hour Rated, Add	25.05	
		For Dynamic Damper, Add	45.10	
23 33 13 16-0189	EA	14" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	160.62	24.75
		For Spring Activated Horizontal Mount Operation, Add	19.44	
		For 3 Hour Rated, Add	25.91	
		For Dynamic Damper, Add	46.65	
23 33 13 16-0190	EA	14" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	168.79	26.52
		For Spring Activated Horizontal Mount Operation, Add	20.08	
		For 3 Hour Rated, Add	26.77	
		For Dynamic Damper, Add	48.19	
23 33 13 16-0191	EA	14" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	184.79	29.52
		For Spring Activated Horizontal Mount Operation, Add	21.69	
		For 3 Hour Rated, Add	28.92	
		For Dynamic Damper, Add	52.06	
23 33 13 16-0192	EA	16" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	187.35	23.51
		For Spring Activated Horizontal Mount Operation, Add	26.24	
		For 3 Hour Rated, Add	34.99	
		For Dynamic Damper, Add	62.99	
23 33 13 16-0193	EA	16" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	195.86	25.27
		For Spring Activated Horizontal Mount Operation, Add	26.97	
		For 3 Hour Rated, Add	35.96	
		For Dynamic Damper, Add	64.72	
23 33 13 16-0194	EA	16" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	206.15	27.75
		For Spring Activated Horizontal Mount Operation, Add	27.69	
		For 3 Hour Rated, Add	36.92	
		For Dynamic Damper, Add	66.46	
23 33 13 16-0195	EA	16" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	214.64	29.52
		For Spring Activated Horizontal Mount Operation, Add	28.41	
		For 3 Hour Rated, Add	37.88	
		For Dynamic Damper, Add	68.18	
23 33 13 16-0196	EA	16" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	231.52	32.34
		For Spring Activated Horizontal Mount Operation, Add	30.22	
		For 3 Hour Rated, Add	40.29	
		For Dynamic Damper, Add	72.52	
23 33 13 16-0197	EA	16" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	248.37	35.35
		For Spring Activated Horizontal Mount Operation, Add	32.02	
		For 3 Hour Rated, Add	42.69	
		For Dynamic Damper, Add	76.85	
23 33 13 16-0198	EA	18" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	194.09	24.75
		For Spring Activated Horizontal Mount Operation, Add	26.97	
		For 3 Hour Rated, Add	35.96	
		For Dynamic Damper, Add	64.72	
23 33 13 16-0199	EA	18" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	204.21	26.52
		For Spring Activated Horizontal Mount Operation, Add	28.05	
		For 3 Hour Rated, Add	37.40	
		For Dynamic Damper, Add	67.32	
23 33 13 16-0200	EA	18" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	217.88	29.52
		For Spring Activated Horizontal Mount Operation, Add	29.14	
		For 3 Hour Rated, Add	38.85	
		For Dynamic Damper, Add	69.92	
23 33 13 16-0201	EA	18" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	234.73	32.34
		For Spring Activated Horizontal Mount Operation, Add	30.94	
		For 3 Hour Rated, Add	41.25	
		For Dynamic Damper, Add	74.25	
23 33 13 16-0202	EA	18" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	249.97	35.35
		For Spring Activated Horizontal Mount Operation, Add	32.38	
		For 3 Hour Rated, Add	43.17	
		For Dynamic Damper, Add	77.71	
23 33 13 16-0203	EA	18" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	266.82	38.18
		For Spring Activated Horizontal Mount Operation, Add	34.18	
		For 3 Hour Rated, Add	45.58	
		For Dynamic Damper, Add	82.04	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0204	EA	18" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated For Spring Activated Horizontal Mount Operation, Add For 3 Hour Rated, Add For Dynamic Damper, Add	280.45 35.26 47.02 84.63	41.18
23 33 13 16-0205	EA	20" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated For Spring Activated Horizontal Mount Operation, Add For 3 Hour Rated, Add For Dynamic Damper, Add	202.62 27.69 36.92 66.46	26.52
23 33 13 16-0206	EA	20" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated For Spring Activated Horizontal Mount Operation, Add For 3 Hour Rated, Add For Dynamic Damper, Add	217.85 29.13 38.84 69.91	29.52
23 33 13 16-0207	EA	20" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated For Spring Activated Horizontal Mount Operation, Add For 3 Hour Rated, Add For Dynamic Damper, Add	233.12 30.58 40.77 73.38	32.34
23 33 13 16-0208	EA	20" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated For Spring Activated Horizontal Mount Operation, Add For 3 Hour Rated, Add For Dynamic Damper, Add	254.80 33.47 44.62 80.32	35.35
23 33 13 16-0209	EA	20" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated For Spring Activated Horizontal Mount Operation, Add For 3 Hour Rated, Add For Dynamic Damper, Add	268.43 34.55 46.06 82.91	38.18
23 33 13 16-0210	EA	20" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated For Spring Activated Horizontal Mount Operation, Add For 3 Hour Rated, Add For Dynamic Damper, Add	282.06 35.62 47.50 85.50	41.18
23 33 13 16-0211	EA	20" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated For Spring Activated Horizontal Mount Operation, Add For 3 Hour Rated, Add For Dynamic Damper, Add	297.31 37.07 49.42 88.96	44.19
23 33 13 16-0212	EA	20" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated For Spring Activated Horizontal Mount Operation, Add For 3 Hour Rated, Add For Dynamic Damper, Add	312.55 38.51 51.34 92.42	47.02
23 33 13 16-0213	EA	24" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated For Spring Activated Horizontal Mount Operation, Add For 3 Hour Rated, Add For Dynamic Damper, Add	247.34 35.76 47.69 85.83	29.52
23 33 13 16-0214	EA	24" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated For Spring Activated Horizontal Mount Operation, Add For 3 Hour Rated, Add For Dynamic Damper, Add	265.81 37.93 50.57 91.03	32.34
23 33 13 16-0215	EA	24" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated For Spring Activated Horizontal Mount Operation, Add For 3 Hour Rated, Add For Dynamic Damper, Add	281.06 39.38 52.50 94.50	35.35
23 33 13 16-0216	EA	24" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated For Spring Activated Horizontal Mount Operation, Add For 3 Hour Rated, Add For Dynamic Damper, Add	299.49 41.54 55.38 99.68	38.18
23 33 13 16-0217	EA	24" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated For Spring Activated Horizontal Mount Operation, Add For 3 Hour Rated, Add For Dynamic Damper, Add	313.15 42.62 56.83 102.29	41.18
23 33 13 16-0218	EA	24" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated For Spring Activated Horizontal Mount Operation, Add For 3 Hour Rated, Add For Dynamic Damper, Add	326.78 43.70 58.26 104.87	44.19
23 33 13 16-0219	EA	24" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated For Spring Activated Horizontal Mount Operation, Add For 3 Hour Rated, Add For Dynamic Damper, Add	345.24 45.86 61.15 110.07	47.02
23 33 13 16-0220	EA	24" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated For Spring Activated Horizontal Mount Operation, Add For 3 Hour Rated, Add For Dynamic Damper, Add	372.53 48.02 64.03 115.26	53.03
23 33 13 16-0221	EA	24" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated For Spring Activated Horizontal Mount Operation, Add For 3 Hour Rated, Add For Dynamic Damper, Add	403.04 50.91 67.88 122.19	58.86
23 33 13 16-0222	EA	28" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated For Spring Activated Horizontal Mount Operation, Add For 3 Hour Rated, Add For Dynamic Damper, Add	265.81 37.93 50.57 91.03	32.34
23 33 13 16-0223	EA	28" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated For Spring Activated Horizontal Mount Operation, Add For 3 Hour Rated, Add For Dynamic Damper, Add	281.06 39.38 52.50 94.50	35.35
23 33 13 16-0224	EA	28" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated For Spring Activated Horizontal Mount Operation, Add For 3 Hour Rated, Add For Dynamic Damper, Add	299.49 41.54 55.38 99.68	38.18
23 33 13 16-0225	EA	28" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated For Spring Activated Horizontal Mount Operation, Add For 3 Hour Rated, Add For Dynamic Damper, Add	314.74 42.98 57.30 103.15	41.18

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**
 MINOR
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 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 33 13 16-0226	EA 28" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	331.60	44.19
	For Spring Activated Horizontal Mount Operation, Add	44.78	
	For 3 Hour Rated, Add	59.71	
	For Dynamic Damper, Add	107.48	
23 33 13 16-0227	EA 28" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	348.43	47.02
	For Spring Activated Horizontal Mount Operation, Add	46.58	
	For 3 Hour Rated, Add	62.11	
	For Dynamic Damper, Add	111.79	
23 33 13 16-0228	EA 28" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	375.74	53.03
	For Spring Activated Horizontal Mount Operation, Add	48.75	
	For 3 Hour Rated, Add	65.00	
	For Dynamic Damper, Add	116.99	
23 33 13 16-0229	EA 28" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	403.04	58.86
	For Spring Activated Horizontal Mount Operation, Add	50.91	
	For 3 Hour Rated, Add	67.88	
	For Dynamic Damper, Add	122.19	
23 33 13 16-0230	EA 28" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	431.10	61.87
	For Spring Activated Horizontal Mount Operation, Add	55.24	
	For 3 Hour Rated, Add	73.65	
	For Dynamic Damper, Add	132.57	
23 33 13 16-0231	EA 28" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	464.82	67.70
	For Spring Activated Horizontal Mount Operation, Add	58.85	
	For 3 Hour Rated, Add	78.46	
	For Dynamic Damper, Add	141.23	
23 33 13 16-0232	EA 32" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	290.66	35.35
	For Spring Activated Horizontal Mount Operation, Add	41.54	
	For 3 Hour Rated, Add	55.38	
	For Dynamic Damper, Add	99.68	
23 33 13 16-0233	EA 32" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	302.68	38.18
	For Spring Activated Horizontal Mount Operation, Add	42.25	
	For 3 Hour Rated, Add	56.34	
	For Dynamic Damper, Add	101.41	
23 33 13 16-0234	EA 32" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	314.74	41.18
	For Spring Activated Horizontal Mount Operation, Add	42.98	
	For 3 Hour Rated, Add	57.30	
	For Dynamic Damper, Add	103.15	
23 33 13 16-0235	EA 32" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	329.97	44.19
	For Spring Activated Horizontal Mount Operation, Add	44.42	
	For 3 Hour Rated, Add	59.22	
	For Dynamic Damper, Add	106.60	
23 33 13 16-0236	EA 32" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	349.04	47.02
	For Spring Activated Horizontal Mount Operation, Add	46.72	
	For 3 Hour Rated, Add	62.29	
	For Dynamic Damper, Add	112.12	
23 33 13 16-0237	EA 32" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	375.74	53.03
	For Spring Activated Horizontal Mount Operation, Add	48.75	
	For 3 Hour Rated, Add	65.00	
	For Dynamic Damper, Add	116.99	
23 33 13 16-0238	EA 32" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	406.26	58.86
	For Spring Activated Horizontal Mount Operation, Add	51.64	
	For 3 Hour Rated, Add	68.85	
	For Dynamic Damper, Add	123.93	
23 33 13 16-0239	EA 32" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	436.76	64.70
	For Spring Activated Horizontal Mount Operation, Add	54.52	
	For 3 Hour Rated, Add	72.70	
	For Dynamic Damper, Add	130.85	
23 33 13 16-0240	EA 32" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	464.82	67.70
	For Spring Activated Horizontal Mount Operation, Add	58.85	
	For 3 Hour Rated, Add	78.46	
	For Dynamic Damper, Add	141.23	
23 33 13 16-0241	EA 32" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	501.41	72.47
	For Spring Activated Horizontal Mount Operation, Add	63.90	
	For 3 Hour Rated, Add	85.20	
	For Dynamic Damper, Add	153.35	
23 33 13 16-0242	EA 32" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	539.42	76.54
	For Spring Activated Horizontal Mount Operation, Add	69.67	
	For 3 Hour Rated, Add	92.89	
	For Dynamic Damper, Add	167.20	
23 33 13 16-0243	EA 36" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	325.60	38.18
	For Spring Activated Horizontal Mount Operation, Add	47.41	
	For 3 Hour Rated, Add	63.21	
	For Dynamic Damper, Add	113.78	
23 33 13 16-0244	EA 36" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	341.74	41.18
	For Spring Activated Horizontal Mount Operation, Add	49.05	
	For 3 Hour Rated, Add	65.40	
	For Dynamic Damper, Add	117.73	
23 33 13 16-0245	EA 36" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	357.90	44.19
	For Spring Activated Horizontal Mount Operation, Add	50.70	
	For 3 Hour Rated, Add	67.60	
	For Dynamic Damper, Add	121.68	
23 33 13 16-0246	EA 36" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	377.76	47.02
	For Spring Activated Horizontal Mount Operation, Add	53.18	
	For 3 Hour Rated, Add	70.91	
	For Dynamic Damper, Add	127.63	
23 33 13 16-0247	EA 36" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	400.95	53.03
	For Spring Activated Horizontal Mount Operation, Add	54.42	
	For 3 Hour Rated, Add	72.56	
	For Dynamic Damper, Add	130.60	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0248	EA	36" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	415.28	55.86
		For Spring Activated Horizontal Mount Operation, Add	55.66	
		For 3 Hour Rated, Add	74.21	
		For Dynamic Damper, Add	133.57	
23 33 13 16-0249	EA	36" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	460.12	64.70
		For Spring Activated Horizontal Mount Operation, Add	59.78	
		For 3 Hour Rated, Add	79.70	
		For Dynamic Damper, Add	143.47	
23 33 13 16-0250	EA	36" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	496.10	70.71
		For Spring Activated Horizontal Mount Operation, Add	63.90	
		For 3 Hour Rated, Add	85.19	
		For Dynamic Damper, Add	153.35	
23 33 13 16-0251	EA	36" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	525.16	73.01
		For Spring Activated Horizontal Mount Operation, Add	68.84	
		For 3 Hour Rated, Add	91.79	
		For Dynamic Damper, Add	165.22	
23 33 13 16-0252	EA	36" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	570.36	78.31
		For Spring Activated Horizontal Mount Operation, Add	75.44	
		For 3 Hour Rated, Add	100.58	
		For Dynamic Damper, Add	181.05	
23 33 13 16-0253	EA	36" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	608.37	82.37
		For Spring Activated Horizontal Mount Operation, Add	81.20	
		For 3 Hour Rated, Add	108.27	
		For Dynamic Damper, Add	194.89	
23 33 13 16-0254	EA	36" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	646.53	85.37
		For Spring Activated Horizontal Mount Operation, Add	87.80	
		For 3 Hour Rated, Add	117.07	
		For Dynamic Damper, Add	210.72	
23 33 13 16-0255	EA	40" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	364.35	44.19
		For Spring Activated Horizontal Mount Operation, Add	54.14	
		For 3 Hour Rated, Add	72.19	
		For Dynamic Damper, Add	129.93	
23 33 13 16-0256	EA	40" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	387.85	47.02
		For Spring Activated Horizontal Mount Operation, Add	57.44	
		For 3 Hour Rated, Add	76.58	
		For Dynamic Damper, Add	137.85	
23 33 13 16-0257	EA	40" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	400.35	50.02
		For Spring Activated Horizontal Mount Operation, Add	58.26	
		For 3 Hour Rated, Add	77.68	
		For Dynamic Damper, Add	139.83	
23 33 13 16-0258	EA	40" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	412.86	53.03
		For Spring Activated Horizontal Mount Operation, Add	59.09	
		For 3 Hour Rated, Add	78.78	
		For Dynamic Damper, Add	141.81	
23 33 13 16-0259	EA	40" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	443.37	55.86
		For Spring Activated Horizontal Mount Operation, Add	61.98	
		For 3 Hour Rated, Add	82.64	
		For Dynamic Damper, Add	148.74	
23 33 13 16-0260	EA	40" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	465.03	58.86
		For Spring Activated Horizontal Mount Operation, Add	64.86	
		For 3 Hour Rated, Add	86.48	
		For Dynamic Damper, Add	155.67	
23 33 13 16-0261	EA	40" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	506.20	67.70
		For Spring Activated Horizontal Mount Operation, Add	68.16	
		For 3 Hour Rated, Add	90.88	
		For Dynamic Damper, Add	163.58	
23 33 13 16-0262	EA	40" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	538.54	73.53
		For Spring Activated Horizontal Mount Operation, Add	71.46	
		For 3 Hour Rated, Add	95.27	
		For Dynamic Damper, Add	171.49	
23 33 13 16-0263	EA	40" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	574.66	78.31
		For Spring Activated Horizontal Mount Operation, Add	76.40	
		For 3 Hour Rated, Add	101.87	
		For Dynamic Damper, Add	183.37	
23 33 13 16-0264	EA	40" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	627.34	82.37
		For Spring Activated Horizontal Mount Operation, Add	85.47	
		For 3 Hour Rated, Add	113.96	
		For Dynamic Damper, Add	205.13	
23 33 13 16-0265	EA	40" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	663.43	87.14
		For Spring Activated Horizontal Mount Operation, Add	90.41	
		For 3 Hour Rated, Add	120.55	
		For Dynamic Damper, Add	216.98	
23 33 13 16-0266	EA	40" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	710.83	89.44
		For Spring Activated Horizontal Mount Operation, Add	99.48	
		For 3 Hour Rated, Add	132.65	
		For Dynamic Damper, Add	238.76	
23 33 13 16-0267	EA	40" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	761.62	94.21
		For Spring Activated Horizontal Mount Operation, Add	107.73	
		For 3 Hour Rated, Add	143.64	
		For Dynamic Damper, Add	258.55	
23 33 13 16-0268	EA	44" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	380.53	44.19
		For Spring Activated Horizontal Mount Operation, Add	55.79	
		For 3 Hour Rated, Add	74.39	
		For Dynamic Damper, Add	133.90	
23 33 13 16-0269	EA	44" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	404.02	47.02
		For Spring Activated Horizontal Mount Operation, Add	59.09	
		For 3 Hour Rated, Add	78.78	
		For Dynamic Damper, Add	141.81	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 33 13 16-0270	EA	44" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	423.88	50.02
		For Spring Activated Horizontal Mount Operation, Add	61.57	
		For 3 Hour Rated, Add	82.09	
		For Dynamic Damper, Add	147.76	
23 33 13 16-0271	EA	44" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	436.38	53.03
		For Spring Activated Horizontal Mount Operation, Add	62.39	
		For 3 Hour Rated, Add	83.19	
		For Dynamic Damper, Add	149.74	
23 33 13 16-0272	EA	44" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	459.86	55.86
		For Spring Activated Horizontal Mount Operation, Add	65.69	
		For 3 Hour Rated, Add	87.58	
		For Dynamic Damper, Add	157.65	
23 33 13 16-0273	EA	44" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	483.36	58.86
		For Spring Activated Horizontal Mount Operation, Add	68.99	
		For 3 Hour Rated, Add	91.98	
		For Dynamic Damper, Add	165.56	
23 33 13 16-0274	EA	44" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	537.04	70.71
		For Spring Activated Horizontal Mount Operation, Add	73.11	
		For 3 Hour Rated, Add	97.48	
		For Dynamic Damper, Add	175.46	
23 33 13 16-0275	EA	44" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	573.01	76.54
		For Spring Activated Horizontal Mount Operation, Add	77.22	
		For 3 Hour Rated, Add	102.97	
		For Dynamic Damper, Add	185.34	
23 33 13 16-0276	EA	44" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	627.34	82.37
		For Spring Activated Horizontal Mount Operation, Add	85.47	
		For 3 Hour Rated, Add	113.96	
		For Dynamic Damper, Add	205.13	
23 33 13 16-0277	EA	44" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	677.99	88.39
		For Spring Activated Horizontal Mount Operation, Add	92.89	
		For 3 Hour Rated, Add	123.85	
		For Dynamic Damper, Add	222.93	
23 33 13 16-0278	EA	44" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	732.28	94.21
		For Spring Activated Horizontal Mount Operation, Add	101.13	
		For 3 Hour Rated, Add	134.84	
		For Dynamic Damper, Add	242.70	
23 33 13 16-0279	EA	44" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	774.10	97.04
		For Spring Activated Horizontal Mount Operation, Add	108.55	
		For 3 Hour Rated, Add	144.73	
		For Dynamic Damper, Add	260.51	
23 33 13 16-0280	EA	44" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	815.92	100.05
		For Spring Activated Horizontal Mount Operation, Add	115.97	
		For 3 Hour Rated, Add	154.63	
		For Dynamic Damper, Add	278.33	
23 33 13 16-0281	EA	44" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	857.75	103.05
		For Spring Activated Horizontal Mount Operation, Add	123.39	
		For 3 Hour Rated, Add	164.52	
		For Dynamic Damper, Add	296.14	
23 33 13 16-0282	EA	48" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	400.35	47.02
		For Spring Activated Horizontal Mount Operation, Add	58.26	
		For 3 Hour Rated, Add	77.68	
		For Dynamic Damper, Add	139.83	
23 33 13 16-0283	EA	48" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	423.88	50.02
		For Spring Activated Horizontal Mount Operation, Add	61.57	
		For 3 Hour Rated, Add	82.09	
		For Dynamic Damper, Add	147.76	
23 33 13 16-0284	EA	48" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	436.38	53.03
		For Spring Activated Horizontal Mount Operation, Add	62.39	
		For 3 Hour Rated, Add	83.19	
		For Dynamic Damper, Add	149.74	
23 33 13 16-0285	EA	48" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	465.03	58.86
		For Spring Activated Horizontal Mount Operation, Add	64.86	
		For 3 Hour Rated, Add	86.48	
		For Dynamic Damper, Add	155.67	
23 33 13 16-0286	EA	48" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	497.36	64.70
		For Spring Activated Horizontal Mount Operation, Add	68.16	
		For 3 Hour Rated, Add	90.88	
		For Dynamic Damper, Add	163.58	
23 33 13 16-0287	EA	48" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	529.70	70.71
		For Spring Activated Horizontal Mount Operation, Add	71.46	
		For 3 Hour Rated, Add	95.27	
		For Dynamic Damper, Add	171.49	
23 33 13 16-0288	EA	48" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	569.36	76.54
		For Spring Activated Horizontal Mount Operation, Add	76.40	
		For 3 Hour Rated, Add	101.87	
		For Dynamic Damper, Add	183.37	
23 33 13 16-0289	EA	48" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	609.00	82.37
		For Spring Activated Horizontal Mount Operation, Add	81.34	
		For 3 Hour Rated, Add	108.46	
		For Dynamic Damper, Add	195.23	
23 33 13 16-0290	EA	48" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	659.67	88.39
		For Spring Activated Horizontal Mount Operation, Add	88.77	
		For 3 Hour Rated, Add	118.36	
		For Dynamic Damper, Add	213.04	
23 33 13 16-0291	EA	48" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	717.63	94.21
		For Spring Activated Horizontal Mount Operation, Add	97.83	
		For 3 Hour Rated, Add	130.44	
		For Dynamic Damper, Add	234.79	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0292	EA	48" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	759.48 105.26 140.34 252.62	97.04
23 33 13 16-0293	EA	48" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	812.24 115.14 153.52 276.34	100.05
23 33 13 16-0294	EA	48" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	862.93 122.57 163.43 294.17	105.88
23 33 13 16-0295	EA	48" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	915.72 132.46 176.61 317.90	108.89
23 33 13 16-0296	EA	48" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	971.55 139.05 185.41 333.73	117.73
23 33 13 16-0297	EA	52" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	420.20 60.74 80.99 145.77	50.02
23 33 13 16-0298	EA	52" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	443.70 64.04 85.38 153.69	53.03
23 33 13 16-0299	EA	52" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	476.02 67.33 89.78 161.60	58.86
23 33 13 16-0300	EA	52" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	497.36 68.16 90.88 163.58	64.70
23 33 13 16-0301	EA	52" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	531.56 71.87 95.63 172.50	70.71
23 33 13 16-0302	EA	52" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	565.69 75.58 100.77 181.39	76.54
23 33 13 16-0303	EA	52" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	605.36 80.53 107.37 193.26	82.37
23 33 13 16-0304	EA	52" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	645.02 85.47 113.96 205.13	88.39
23 33 13 16-0305	EA	52" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	695.67 92.89 123.85 222.93	94.21
23 33 13 16-0306	EA	52" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	757.29 102.78 137.04 246.67	100.05
23 33 13 16-0307	EA	52" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	802.76 111.02 148.03 266.45	103.05
23 33 13 16-0308	EA	52" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	859.25 121.74 162.32 292.18	105.88
23 33 13 16-0309	EA	52" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	920.87 131.63 175.50 315.91	111.89
23 33 13 16-0310	EA	52" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	971.55 139.05 185.41 333.73	117.73
23 33 13 16-0311	EA	52" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	1,042.01 148.94 198.59 357.46	126.57
23 33 13 16-0312	EA	52" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	1,096.34 157.19 209.59 377.25	132.39
23 33 13 16-0313	EA	56" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	436.38 62.39 83.19 149.74	53.03

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 33 13 16-0314	EA	56" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	472.35	58.86
		For Spring Activated Horizontal Mount Operation, Add	66.51	
		For 3 Hour Rated, Add	88.68	
		For Dynamic Damper, Add	159.62	
23 33 13 16-0315	EA	56" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	501.04	64.70
		For Spring Activated Horizontal Mount Operation, Add	68.99	
		For 3 Hour Rated, Add	91.98	
		For Dynamic Damper, Add	165.56	
23 33 13 16-0316	EA	56" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	522.36	70.71
		For Spring Activated Horizontal Mount Operation, Add	69.80	
		For 3 Hour Rated, Add	93.07	
		For Dynamic Damper, Add	167.53	
23 33 13 16-0317	EA	56" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	560.21	76.54
		For Spring Activated Horizontal Mount Operation, Add	74.34	
		For 3 Hour Rated, Add	99.13	
		For Dynamic Damper, Add	178.43	
23 33 13 16-0318	EA	56" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	598.02	82.37
		For Spring Activated Horizontal Mount Operation, Add	78.87	
		For 3 Hour Rated, Add	105.17	
		For Dynamic Damper, Add	189.30	
23 33 13 16-0319	EA	56" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	635.86	88.39
		For Spring Activated Horizontal Mount Operation, Add	83.41	
		For 3 Hour Rated, Add	111.21	
		For Dynamic Damper, Add	200.18	
23 33 13 16-0320	EA	56" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	673.68	94.21
		For Spring Activated Horizontal Mount Operation, Add	87.94	
		For 3 Hour Rated, Add	117.26	
		For Dynamic Damper, Add	211.06	
23 33 13 16-0321	EA	56" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	735.30	100.05
		For Spring Activated Horizontal Mount Operation, Add	97.83	
		For 3 Hour Rated, Add	130.44	
		For Dynamic Damper, Add	234.79	
23 33 13 16-0322	EA	56" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	788.13	103.05
		For Spring Activated Horizontal Mount Operation, Add	107.73	
		For 3 Hour Rated, Add	143.64	
		For Dynamic Damper, Add	258.55	
23 33 13 16-0323	EA	56" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	837.26	105.88
		For Spring Activated Horizontal Mount Operation, Add	116.79	
		For 3 Hour Rated, Add	155.72	
		For Dynamic Damper, Add	280.30	
23 33 13 16-0324	EA	56" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	906.25	111.89
		For Spring Activated Horizontal Mount Operation, Add	128.34	
		For 3 Hour Rated, Add	171.12	
		For Dynamic Damper, Add	308.01	
23 33 13 16-0325	EA	56" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	967.87	117.73
		For Spring Activated Horizontal Mount Operation, Add	138.23	
		For 3 Hour Rated, Add	184.30	
		For Dynamic Damper, Add	331.74	
23 33 13 16-0326	EA	56" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,033.17	123.55
		For Spring Activated Horizontal Mount Operation, Add	148.94	
		For 3 Hour Rated, Add	198.59	
		For Dynamic Damper, Add	357.46	
23 33 13 16-0327	EA	56" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,087.50	129.57
		For Spring Activated Horizontal Mount Operation, Add	157.19	
		For 3 Hour Rated, Add	209.59	
		For Dynamic Damper, Add	377.25	
23 33 13 16-0328	EA	56" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,152.81	135.41
		For Spring Activated Horizontal Mount Operation, Add	167.91	
		For 3 Hour Rated, Add	223.88	
		For Dynamic Damper, Add	402.98	
23 33 13 16-0329	EA	56" x 56" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,218.11	141.23
		For Spring Activated Horizontal Mount Operation, Add	178.62	
		For 3 Hour Rated, Add	238.16	
		For Dynamic Damper, Add	428.70	
23 33 13 16-0330	EA	60" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	465.03	58.86
		For Spring Activated Horizontal Mount Operation, Add	64.86	
		For 3 Hour Rated, Add	86.48	
		For Dynamic Damper, Add	155.67	
23 33 13 16-0331	EA	60" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	501.04	64.70
		For Spring Activated Horizontal Mount Operation, Add	68.99	
		For 3 Hour Rated, Add	91.98	
		For Dynamic Damper, Add	165.56	
23 33 13 16-0332	EA	60" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	526.02	70.71
		For Spring Activated Horizontal Mount Operation, Add	70.63	
		For 3 Hour Rated, Add	94.17	
		For Dynamic Damper, Add	169.51	
23 33 13 16-0333	EA	60" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	547.37	76.54
		For Spring Activated Horizontal Mount Operation, Add	71.46	
		For 3 Hour Rated, Add	95.27	
		For Dynamic Damper, Add	171.49	
23 33 13 16-0334	EA	60" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	587.04	82.37
		For Spring Activated Horizontal Mount Operation, Add	76.40	
		For 3 Hour Rated, Add	101.87	
		For Dynamic Damper, Add	183.37	
23 33 13 16-0335	EA	60" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	626.68	88.39
		For Spring Activated Horizontal Mount Operation, Add	81.34	
		For 3 Hour Rated, Add	108.46	
		For Dynamic Damper, Add	195.23	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0336	EA	60" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	668.18 86.70 115.61 208.09	94.21
23 33 13 16-0337	EA	60" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	709.66 92.06 122.75 220.95	100.05
23 33 13 16-0338	EA	60" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	766.13 102.78 137.04 246.67	103.05
23 33 13 16-0339	EA	60" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	818.94 112.67 150.23 270.41	105.88
23 33 13 16-0340	EA	60" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	884.27 123.39 164.52 296.14	111.89
23 33 13 16-0341	EA	60" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	949.57 134.11 178.81 321.86	117.73
23 33 13 16-0342	EA	60" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	1,003.87 142.35 189.80 341.64	123.55
23 33 13 16-0343	EA	60" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	1,080.16 155.54 207.38 373.29	129.57
23 33 13 16-0344	EA	60" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	1,149.13 167.08 222.77 400.99	135.41
23 33 13 16-0345	EA	60" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	1,218.11 178.62 238.16 428.70	141.23
23 33 13 16-0346	EA	60" x 56" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	1,279.72 188.51 251.34 452.42	147.25
23 33 13 16-0347	EA	60" x 60" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	1,341.41 198.41 264.55 476.18	153.08
23 33 13 16-0348 Round 2 Hour Fire Damper (23 33 13 16)				
23 33 13 16-0349	EA	4" Round 2 Hour Fire Damper (23 33 13 16)	153.60	35.35
23 33 13 16-0350	EA	5" Round 2 Hour Fire Damper	159.54	35.35
23 33 13 16-0351	EA	6" Round 2 Hour Fire Damper	186.99	40.13
23 33 13 16-0352	EA	7" Round 2 Hour Fire Damper	193.44	40.13
23 33 13 16-0353	EA	8" Round 2 Hour Fire Damper	230.54	44.19
23 33 13 16-0354	EA	9" Round 2 Hour Fire Damper	248.29	44.19
23 33 13 16-0355	EA	10" Round 2 Hour Fire Damper	275.92	49.14
23 33 13 16-0356	EA	12" Round 2 Hour Fire Damper	309.96	55.33
23 33 13 16-0357	EA	14" Round 2 Hour Fire Damper	352.43	63.10
23 33 13 16-0358 Round 4 Hour Fire Damper (23 33 13 16)				
23 33 13 16-0359	EA	4" Round 4 Hour Fire Damper	173.19	40.13
23 33 13 16-0360	EA	5" Round 4 Hour Fire Damper	189.37	40.13
23 33 13 16-0361	EA	6" Round 4 Hour Fire Damper	213.80	44.19
23 33 13 16-0362	EA	7" Round 4 Hour Fire Damper	234.67	44.19
23 33 13 16-0363	EA	8" Round 4 Hour Fire Damper	265.40	49.14
23 33 13 16-0364	EA	9" Round 4 Hour Fire Damper	278.12	49.14
23 33 13 16-0365	EA	10" Round 4 Hour Fire Damper	310.36	55.33
23 33 13 16-0366	EA	12" Round 4 Hour Fire Damper	344.35	63.10
23 33 13 16-0367	EA	14" Round 4 Hour Fire Damper	401.75	73.71
23 33 13 19 Smoke-Control Dampers (23 33 13)				
23 33 13 19-0001 Combination Smoke/Fire Damper (23 33 13 19)				
Note: 1-1/2 hour rating, leakage class I with Firestat UL 555S air foil blades.				
23 33 13 19-0002	EA	6" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	628.79 162.15 291.86	29.43
23 33 13 19-0003	EA	8" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	645.95 166.10 298.99	30.76
23 33 13 19-0004	EA	8" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	659.86 170.12 306.21	31.02

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 33 13 19-0005	EA	10" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	624.58	31.02
		For 3 Hour Rated, Add	159.53	
		For Dynamic Damper, Add	287.16	
23 33 13 19-0006	EA	10" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	639.69	31.82
		For 3 Hour Rated, Add	163.27	
		For Dynamic Damper, Add	293.88	
23 33 13 19-0007	EA	10" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	675.27	35.27
		For 3 Hour Rated, Add	170.76	
		For Dynamic Damper, Add	307.37	
23 33 13 19-0008	EA	12" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	639.69	31.82
		For 3 Hour Rated, Add	163.27	
		For Dynamic Damper, Add	293.88	
23 33 13 19-0009	EA	12" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	669.96	33.67
		For 3 Hour Rated, Add	170.76	
		For Dynamic Damper, Add	307.37	
23 33 13 19-0010	EA	12" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	687.73	35.27
		For 3 Hour Rated, Add	174.50	
		For Dynamic Damper, Add	314.10	
23 33 13 19-0011	EA	12" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	713.51	39.77
		For 3 Hour Rated, Add	178.26	
		For Dynamic Damper, Add	320.87	
23 33 13 19-0012	EA	14" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	663.74	33.67
		For 3 Hour Rated, Add	168.90	
		For Dynamic Damper, Add	304.01	
23 33 13 19-0013	EA	14" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	687.73	35.27
		For 3 Hour Rated, Add	174.50	
		For Dynamic Damper, Add	314.10	
23 33 13 19-0014	EA	14" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	705.56	37.12
		For 3 Hour Rated, Add	178.26	
		For Dynamic Damper, Add	320.87	
23 33 13 19-0015	EA	14" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	726.04	39.77
		For 3 Hour Rated, Add	182.02	
		For Dynamic Damper, Add	327.63	
23 33 13 19-0016	EA	14" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	770.52	44.28
		For 3 Hour Rated, Add	191.39	
		For Dynamic Damper, Add	344.49	
23 33 13 19-0017	EA	16" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	747.99	35.27
		For 3 Hour Rated, Add	192.58	
		For Dynamic Damper, Add	346.64	
23 33 13 19-0018	EA	16" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	763.69	37.92
		For 3 Hour Rated, Add	194.90	
		For Dynamic Damper, Add	350.83	
23 33 13 19-0019	EA	16" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	782.05	41.63
		For 3 Hour Rated, Add	197.23	
		For Dynamic Damper, Add	355.01	
23 33 13 19-0020	EA	16" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	797.65	44.28
		For 3 Hour Rated, Add	199.52	
		For Dynamic Damper, Add	359.14	
23 33 13 19-0021	EA	16" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	830.26	48.52
		For 3 Hour Rated, Add	205.33	
		For Dynamic Damper, Add	369.59	
23 33 13 19-0022	EA	16" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	862.82	53.03
		For 3 Hour Rated, Add	211.12	
		For Dynamic Damper, Add	380.01	
23 33 13 19-0023	EA	18" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	761.04	37.12
		For 3 Hour Rated, Add	194.90	
		For Dynamic Damper, Add	350.83	
23 33 13 19-0024	EA	18" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	780.54	39.77
		For 3 Hour Rated, Add	198.37	
		For Dynamic Damper, Add	357.06	
23 33 13 19-0025	EA	18" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	805.45	44.28
		For 3 Hour Rated, Add	201.86	
		For Dynamic Damper, Add	363.36	
23 33 13 19-0026	EA	18" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	838.01	48.52
		For 3 Hour Rated, Add	207.65	
		For Dynamic Damper, Add	373.78	
23 33 13 19-0027	EA	18" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	866.67	53.03
		For 3 Hour Rated, Add	212.27	
		For Dynamic Damper, Add	382.09	
23 33 13 19-0028	EA	18" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	899.22	57.28
		For 3 Hour Rated, Add	218.06	
		For Dynamic Damper, Add	392.52	
23 33 13 19-0029	EA	18" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	924.08	61.78
		For 3 Hour Rated, Add	221.54	
		For Dynamic Damper, Add	398.78	
23 33 13 19-0030	EA	20" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	776.74	39.77
		For 3 Hour Rated, Add	197.23	
		For Dynamic Damper, Add	355.01	
23 33 13 19-0031	EA	20" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	805.40	44.28
		For 3 Hour Rated, Add	201.85	
		For Dynamic Damper, Add	363.33	
23 33 13 19-0032	EA	20" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	834.11	48.52
		For 3 Hour Rated, Add	206.48	
		For Dynamic Damper, Add	371.67	
23 33 13 19-0033	EA	20" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	878.32	53.03
		For 3 Hour Rated, Add	215.77	
		For Dynamic Damper, Add	388.38	
23 33 13 19-0034	EA	20" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	903.12	57.28
		For 3 Hour Rated, Add	219.23	
		For Dynamic Damper, Add	394.62	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0035	EA	20" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	927.93	61.78
		For 3 Hour Rated, Add	222.70	
		For Dynamic Damper, Add	400.86	
23 33 13 19-0036	EA	20" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	956.64	66.29
		For 3 Hour Rated, Add	227.33	
		For Dynamic Damper, Add	409.20	
23 33 13 19-0037	EA	20" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	985.29	70.53
		For 3 Hour Rated, Add	231.95	
		For Dynamic Damper, Add	417.51	
23 33 13 19-0038	EA	24" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	798.30	44.28
		For 3 Hour Rated, Add	199.72	
		For Dynamic Damper, Add	359.49	
23 33 13 19-0039	EA	24" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	827.18	48.52
		For 3 Hour Rated, Add	204.41	
		For Dynamic Damper, Add	367.93	
23 33 13 19-0040	EA	24" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	850.88	53.03
		For 3 Hour Rated, Add	207.54	
		For Dynamic Damper, Add	373.57	
23 33 13 19-0041	EA	24" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	879.68	57.28
		For 3 Hour Rated, Add	212.20	
		For Dynamic Damper, Add	381.96	
23 33 13 19-0042	EA	24" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	900.76	61.78
		For 3 Hour Rated, Add	214.55	
		For Dynamic Damper, Add	386.19	
23 33 13 19-0043	EA	24" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	921.79	66.29
		For 3 Hour Rated, Add	216.88	
		For Dynamic Damper, Add	390.38	
23 33 13 19-0044	EA	24" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	950.64	70.53
		For 3 Hour Rated, Add	221.56	
		For Dynamic Damper, Add	398.80	
23 33 13 19-0045	EA	24" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	992.74	79.55
		For 3 Hour Rated, Add	226.23	
		For Dynamic Damper, Add	407.22	
23 33 13 19-0046	EA	24" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,040.07	88.30
		For 3 Hour Rated, Add	232.48	
		For Dynamic Damper, Add	418.46	
23 33 13 19-0047	EA	28" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	827.18	48.52
		For 3 Hour Rated, Add	204.41	
		For Dynamic Damper, Add	367.93	
23 33 13 19-0048	EA	28" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	850.88	53.03
		For 3 Hour Rated, Add	207.54	
		For Dynamic Damper, Add	373.57	
23 33 13 19-0049	EA	28" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	879.68	57.28
		For 3 Hour Rated, Add	212.20	
		For Dynamic Damper, Add	381.96	
23 33 13 19-0050	EA	28" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	903.35	61.78
		For 3 Hour Rated, Add	215.33	
		For Dynamic Damper, Add	387.59	
23 33 13 19-0051	EA	28" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	929.61	66.29
		For 3 Hour Rated, Add	219.23	
		For Dynamic Damper, Add	394.61	
23 33 13 19-0052	EA	28" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	955.83	70.53
		For 3 Hour Rated, Add	223.11	
		For Dynamic Damper, Add	401.60	
23 33 13 19-0053	EA	28" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	997.93	79.55
		For 3 Hour Rated, Add	227.79	
		For Dynamic Damper, Add	410.02	
23 33 13 19-0054	EA	28" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,040.07	88.30
		For 3 Hour Rated, Add	232.48	
		For Dynamic Damper, Add	418.46	
23 33 13 19-0055	EA	28" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,084.51	92.81
		For 3 Hour Rated, Add	241.83	
		For Dynamic Damper, Add	435.29	
23 33 13 19-0056	EA	28" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,137.02	101.56
		For 3 Hour Rated, Add	249.63	
		For Dynamic Damper, Add	449.33	
23 33 13 19-0057	EA	32" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	866.43	53.03
		For 3 Hour Rated, Add	212.20	
		For Dynamic Damper, Add	381.96	
23 33 13 19-0058	EA	32" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	884.87	57.28
		For 3 Hour Rated, Add	213.76	
		For Dynamic Damper, Add	384.77	
23 33 13 19-0059	EA	32" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	903.35	61.78
		For 3 Hour Rated, Add	215.33	
		For Dynamic Damper, Add	387.59	
23 33 13 19-0060	EA	32" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	926.98	66.29
		For 3 Hour Rated, Add	218.44	
		For Dynamic Damper, Add	393.18	
23 33 13 19-0061	EA	32" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	956.80	70.53
		For 3 Hour Rated, Add	223.40	
		For Dynamic Damper, Add	402.13	
23 33 13 19-0062	EA	32" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	997.93	79.55
		For 3 Hour Rated, Add	227.79	
		For Dynamic Damper, Add	410.02	
23 33 13 19-0063	EA	32" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,045.29	88.30
		For 3 Hour Rated, Add	234.04	
		For Dynamic Damper, Add	421.28	
23 33 13 19-0064	EA	32" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,092.62	97.04
		For 3 Hour Rated, Add	240.29	
		For Dynamic Damper, Add	432.51	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 33 13 19-0065	EA 32" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,137.02	101.56
	For 3 Hour Rated, Add	249.63	
	For Dynamic Damper, Add	449.33	
23 33 13 19-0066	EA 32" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,194.66	108.71
	For 3 Hour Rated, Add	260.56	
	For Dynamic Damper, Add	469.01	
23 33 13 19-0067	EA 32" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,254.77	114.80
	For 3 Hour Rated, Add	273.02	
	For Dynamic Damper, Add	491.44	
23 33 13 19-0068	EA 36" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	911.56	57.28
	For 3 Hour Rated, Add	221.77	
	For Dynamic Damper, Add	399.18	
23 33 13 19-0069	EA 36" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	936.08	61.78
	For 3 Hour Rated, Add	225.14	
	For Dynamic Damper, Add	405.26	
23 33 13 19-0070	EA 36" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	960.65	66.29
	For 3 Hour Rated, Add	228.54	
	For Dynamic Damper, Add	411.37	
23 33 13 19-0071	EA 36" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	990.88	70.53
	For 3 Hour Rated, Add	233.63	
	For Dynamic Damper, Add	420.53	
23 33 13 19-0072	EA 36" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,025.89	79.55
	For 3 Hour Rated, Add	236.18	
	For Dynamic Damper, Add	425.12	
23 33 13 19-0073	EA 36" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,047.62	83.79
	For 3 Hour Rated, Add	238.72	
	For Dynamic Damper, Add	429.69	
23 33 13 19-0074	EA 36" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,115.68	97.04
	For 3 Hour Rated, Add	247.20	
	For Dynamic Damper, Add	444.97	
23 33 13 19-0075	EA 36" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,170.39	106.06
	For 3 Hour Rated, Add	255.66	
	For Dynamic Damper, Add	460.19	
23 33 13 19-0076	EA 36" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,214.90	109.51
	For 3 Hour Rated, Add	265.84	
	For Dynamic Damper, Add	478.50	
23 33 13 19-0077	EA 36" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,283.99	117.46
	For 3 Hour Rated, Add	279.40	
	For Dynamic Damper, Add	502.92	
23 33 13 19-0078	EA 36" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,342.05	123.55
	For 3 Hour Rated, Add	291.26	
	For Dynamic Damper, Add	524.26	
23 33 13 19-0079	EA 36" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,400.52	128.06
	For 3 Hour Rated, Add	304.82	
	For Dynamic Damper, Add	548.67	
23 33 13 19-0080	EA 40" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,440.60	66.29
	For 3 Hour Rated, Add	376.50	
	For Dynamic Damper, Add	677.70	
23 33 13 19-0081	EA 40" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,484.16	70.53
	For 3 Hour Rated, Add	385.59	
	For Dynamic Damper, Add	694.06	
23 33 13 19-0082	EA 40" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,505.03	75.04
	For 3 Hour Rated, Add	387.87	
	For Dynamic Damper, Add	698.17	
23 33 13 19-0083	EA 40" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,525.90	79.55
	For 3 Hour Rated, Add	390.16	
	For Dynamic Damper, Add	702.28	
23 33 13 19-0084	EA 40" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,578.95	83.79
	For 3 Hour Rated, Add	398.12	
	For Dynamic Damper, Add	716.61	
23 33 13 19-0085	EA 40" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,618.79	88.30
	For 3 Hour Rated, Add	406.09	
	For Dynamic Damper, Add	730.97	
23 33 13 19-0086	EA 40" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,688.91	101.56
	For 3 Hour Rated, Add	415.20	
	For Dynamic Damper, Add	747.35	
23 33 13 19-0087	EA 40" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,745.73	110.30
	For 3 Hour Rated, Add	424.29	
	For Dynamic Damper, Add	763.72	
23 33 13 19-0088	EA 40" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,812.50	117.46
	For 3 Hour Rated, Add	437.96	
	For Dynamic Damper, Add	788.32	
23 33 13 19-0089	EA 40" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,914.43	123.55
	For 3 Hour Rated, Add	462.97	
	For Dynamic Damper, Add	833.34	
23 33 13 19-0090	EA 40" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,981.12	130.72
	For 3 Hour Rated, Add	476.61	
	For Dynamic Damper, Add	857.90	
23 33 13 19-0091	EA 40" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,075.20	134.16
	For 3 Hour Rated, Add	501.65	
	For Dynamic Damper, Add	902.97	
23 33 13 19-0092	EA 40" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,172.27	141.32
	For 3 Hour Rated, Add	524.41	
	For Dynamic Damper, Add	943.94	
23 33 13 19-0093	EA 44" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,469.03	66.29
	For 3 Hour Rated, Add	381.05	
	For Dynamic Damper, Add	685.89	
23 33 13 19-0094	EA 44" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,512.64	70.53
	For 3 Hour Rated, Add	390.16	
	For Dynamic Damper, Add	702.28	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0095	EA	44" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,548.68	75.04
		For 3 Hour Rated, Add	396.99	
		For Dynamic Damper, Add	714.58	
23 33 13 19-0096	EA	44" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,569.54	79.55
		For 3 Hour Rated, Add	399.27	
		For Dynamic Damper, Add	718.69	
23 33 13 19-0097	EA	44" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,613.14	83.79
		For 3 Hour Rated, Add	408.38	
		For Dynamic Damper, Add	735.08	
23 33 13 19-0098	EA	44" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,656.70	88.30
		For 3 Hour Rated, Add	417.47	
		For Dynamic Damper, Add	751.44	
23 33 13 19-0099	EA	44" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,747.69	106.06
		For 3 Hour Rated, Add	428.85	
		For Dynamic Damper, Add	771.94	
23 33 13 19-0100	EA	44" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,812.06	114.80
		For 3 Hour Rated, Add	440.21	
		For Dynamic Damper, Add	792.38	
23 33 13 19-0101	EA	44" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,914.43	123.55
		For 3 Hour Rated, Add	462.97	
		For Dynamic Damper, Add	833.34	
23 33 13 19-0102	EA	44" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,009.20	132.57
		For 3 Hour Rated, Add	483.44	
		For Dynamic Damper, Add	870.20	
23 33 13 19-0103	EA	44" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,111.53	141.32
		For 3 Hour Rated, Add	506.19	
		For Dynamic Damper, Add	911.14	
23 33 13 19-0104	EA	44" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,193.04	145.56
		For 3 Hour Rated, Add	526.67	
		For Dynamic Damper, Add	948.00	
23 33 13 19-0105	EA	44" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,274.60	150.07
		For 3 Hour Rated, Add	547.16	
		For Dynamic Damper, Add	984.88	
23 33 13 19-0106	EA	44" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,356.16	154.58
		For 3 Hour Rated, Add	567.65	
		For Dynamic Damper, Add	1,021.76	
23 33 13 19-0107	EA	48" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,505.03	70.53
		For 3 Hour Rated, Add	387.87	
		For Dynamic Damper, Add	698.17	
23 33 13 19-0108	EA	48" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,548.68	75.04
		For 3 Hour Rated, Add	396.99	
		For Dynamic Damper, Add	714.58	
23 33 13 19-0109	EA	48" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,569.54	79.55
		For 3 Hour Rated, Add	399.27	
		For Dynamic Damper, Add	718.69	
23 33 13 19-0110	EA	48" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,618.79	88.30
		For 3 Hour Rated, Add	406.09	
		For Dynamic Damper, Add	730.97	
23 33 13 19-0111	EA	48" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,675.66	97.04
		For 3 Hour Rated, Add	415.20	
		For Dynamic Damper, Add	747.35	
23 33 13 19-0112	EA	48" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,732.47	106.06
		For 3 Hour Rated, Add	424.29	
		For Dynamic Damper, Add	763.72	
23 33 13 19-0113	EA	48" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,804.54	114.80
		For 3 Hour Rated, Add	437.96	
		For Dynamic Damper, Add	788.32	
23 33 13 19-0114	EA	48" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,876.52	123.55
		For 3 Hour Rated, Add	451.60	
		For Dynamic Damper, Add	812.87	
23 33 13 19-0115	EA	48" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,971.30	132.57
		For 3 Hour Rated, Add	472.07	
		For Dynamic Damper, Add	849.73	
23 33 13 19-0116	EA	48" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,081.18	141.32
		For 3 Hour Rated, Add	497.09	
		For Dynamic Damper, Add	894.75	
23 33 13 19-0117	EA	48" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,162.79	145.56
		For 3 Hour Rated, Add	517.59	
		For Dynamic Damper, Add	931.66	
23 33 13 19-0118	EA	48" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,266.99	150.07
		For 3 Hour Rated, Add	544.87	
		For Dynamic Damper, Add	980.77	
23 33 13 19-0119	EA	48" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,361.81	158.82
		For 3 Hour Rated, Add	565.36	
		For Dynamic Damper, Add	1,017.65	
23 33 13 19-0120	EA	48" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,466.10	163.33
		For 3 Hour Rated, Add	592.67	
		For Dynamic Damper, Add	1,066.81	
23 33 13 19-0121	EA	48" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,566.52	176.59
		For 3 Hour Rated, Add	610.87	
		For Dynamic Damper, Add	1,099.56	
23 33 13 19-0122	EA	52" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,541.07	75.04
		For 3 Hour Rated, Add	394.71	
		For Dynamic Damper, Add	710.47	
23 33 13 19-0123	EA	52" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,584.67	79.55
		For 3 Hour Rated, Add	403.81	
		For Dynamic Damper, Add	726.86	
23 33 13 19-0124	EA	52" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,641.53	88.30
		For 3 Hour Rated, Add	412.91	
		For Dynamic Damper, Add	743.25	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

23 33 13 19-0125	EA 52" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,675.66	97.04
	For 3 Hour Rated, Add	415.20	
	For Dynamic Damper, Add	747.35	
23 33 13 19-0126	EA 52" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,736.32	106.06
	For 3 Hour Rated, Add	425.44	
	For Dynamic Damper, Add	765.80	
23 33 13 19-0127	EA 52" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,796.93	114.80
	For 3 Hour Rated, Add	435.67	
	For Dynamic Damper, Add	784.21	
23 33 13 19-0128	EA 52" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,868.96	123.55
	For 3 Hour Rated, Add	449.33	
	For Dynamic Damper, Add	808.79	
23 33 13 19-0129	EA 52" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,940.95	132.57
	For 3 Hour Rated, Add	462.97	
	For Dynamic Damper, Add	833.34	
23 33 13 19-0130	EA 52" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,035.71	141.32
	For 3 Hour Rated, Add	483.44	
	For Dynamic Damper, Add	870.20	
23 33 13 19-0131	EA 52" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,153.27	150.07
	For 3 Hour Rated, Add	510.76	
	For Dynamic Damper, Add	919.36	
23 33 13 19-0132	EA 52" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,242.30	154.58
	For 3 Hour Rated, Add	533.49	
	For Dynamic Damper, Add	960.28	
23 33 13 19-0133	EA 52" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,354.25	158.82
	For 3 Hour Rated, Add	563.09	
	For Dynamic Damper, Add	1,013.57	
23 33 13 19-0134	EA 52" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,471.70	167.84
	For 3 Hour Rated, Add	590.38	
	For Dynamic Damper, Add	1,062.68	
23 33 13 19-0135	EA 52" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,566.52	176.59
	For 3 Hour Rated, Add	610.87	
	For Dynamic Damper, Add	1,099.56	
23 33 13 19-0136	EA 52" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,697.27	189.84
	For 3 Hour Rated, Add	638.16	
	For Dynamic Damper, Add	1,148.69	
23 33 13 19-0137	EA 52" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,799.65	198.60
	For 3 Hour Rated, Add	660.92	
	For Dynamic Damper, Add	1,189.66	
23 33 13 19-0138	EA 56" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,569.54	79.55
	For 3 Hour Rated, Add	399.27	
	For Dynamic Damper, Add	718.69	
23 33 13 19-0139	EA 56" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,633.92	88.30
	For 3 Hour Rated, Add	410.63	
	For Dynamic Damper, Add	739.14	
23 33 13 19-0140	EA 56" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,683.22	97.04
	For 3 Hour Rated, Add	417.47	
	For Dynamic Damper, Add	751.44	
23 33 13 19-0141	EA 56" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,717.30	106.06
	For 3 Hour Rated, Add	419.74	
	For Dynamic Damper, Add	755.52	
23 33 13 19-0142	EA 56" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,785.56	114.80
	For 3 Hour Rated, Add	432.26	
	For Dynamic Damper, Add	778.07	
23 33 13 19-0143	EA 56" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,853.79	123.55
	For 3 Hour Rated, Add	444.78	
	For Dynamic Damper, Add	800.60	
23 33 13 19-0144	EA 56" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,921.97	132.57
	For 3 Hour Rated, Add	457.28	
	For Dynamic Damper, Add	823.10	
23 33 13 19-0145	EA 56" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,990.20	141.32
	For 3 Hour Rated, Add	469.79	
	For Dynamic Damper, Add	845.62	
23 33 13 19-0146	EA 56" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,107.70	150.07
	For 3 Hour Rated, Add	497.09	
	For Dynamic Damper, Add	894.75	
23 33 13 19-0147	EA 56" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,212.05	154.58
	For 3 Hour Rated, Add	524.41	
	For Dynamic Damper, Add	943.94	
23 33 13 19-0148	EA 56" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,308.68	158.82
	For 3 Hour Rated, Add	549.42	
	For Dynamic Damper, Add	988.96	
23 33 13 19-0149	EA 56" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,441.40	167.84
	For 3 Hour Rated, Add	581.29	
	For Dynamic Damper, Add	1,046.31	
23 33 13 19-0150	EA 56" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,558.91	176.59
	For 3 Hour Rated, Add	608.58	
	For Dynamic Damper, Add	1,095.45	
23 33 13 19-0151	EA 56" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,684.02	185.34
	For 3 Hour Rated, Add	638.16	
	For Dynamic Damper, Add	1,148.69	
23 33 13 19-0152	EA 56" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,786.39	194.35
	For 3 Hour Rated, Add	660.92	
	For Dynamic Damper, Add	1,189.66	
23 33 13 19-0153	EA 56" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,911.51	203.10
	For 3 Hour Rated, Add	690.50	
	For Dynamic Damper, Add	1,242.90	
23 33 13 19-0154	EA 56" x 56" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	3,036.62	211.85
	For 3 Hour Rated, Add	720.08	
	For Dynamic Damper, Add	1,296.15	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0155	EA	60" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,618.79	88.30
		For 3 Hour Rated, Add	406.09	
		For Dynamic Damper, Add	730.97	
23 33 13 19-0156	EA	60" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,683.22	97.04
		For 3 Hour Rated, Add	417.47	
		For Dynamic Damper, Add	751.44	
23 33 13 19-0157	EA	60" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,724.90	106.06
		For 3 Hour Rated, Add	422.02	
		For Dynamic Damper, Add	759.63	
23 33 13 19-0158	EA	60" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,758.98	114.80
		For 3 Hour Rated, Add	424.29	
		For Dynamic Damper, Add	763.72	
23 33 13 19-0159	EA	60" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,831.05	123.55
		For 3 Hour Rated, Add	437.96	
		For Dynamic Damper, Add	788.32	
23 33 13 19-0160	EA	60" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,903.04	132.57
		For 3 Hour Rated, Add	451.60	
		For Dynamic Damper, Add	812.87	
23 33 13 19-0161	EA	60" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,978.83	141.32
		For 3 Hour Rated, Add	466.38	
		For Dynamic Damper, Add	839.48	
23 33 13 19-0162	EA	60" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,054.67	150.07
		For 3 Hour Rated, Add	481.18	
		For Dynamic Damper, Add	866.12	
23 33 13 19-0163	EA	60" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,166.53	154.58
		For 3 Hour Rated, Add	510.76	
		For Dynamic Damper, Add	919.36	
23 33 13 19-0164	EA	60" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,270.78	158.82
		For 3 Hour Rated, Add	538.05	
		For Dynamic Damper, Add	968.50	
23 33 13 19-0165	EA	60" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,395.93	167.84
		For 3 Hour Rated, Add	567.65	
		For Dynamic Damper, Add	1,021.76	
23 33 13 19-0166	EA	60" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,521.05	176.59
		For 3 Hour Rated, Add	597.23	
		For Dynamic Damper, Add	1,075.01	
23 33 13 19-0167	EA	60" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,623.38	185.34
		For 3 Hour Rated, Add	619.97	
		For Dynamic Damper, Add	1,115.95	
23 33 13 19-0168	EA	60" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,771.22	194.35
		For 3 Hour Rated, Add	656.37	
		For Dynamic Damper, Add	1,181.47	
23 33 13 19-0169	EA	60" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,903.95	203.10
		For 3 Hour Rated, Add	688.23	
		For Dynamic Damper, Add	1,238.82	
23 33 13 19-0170	EA	60" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	3,036.62	211.85
		For 3 Hour Rated, Add	720.08	
		For Dynamic Damper, Add	1,296.15	
23 33 13 19-0171	EA	60" x 56" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	3,154.08	220.87
		For 3 Hour Rated, Add	747.36	
		For Dynamic Damper, Add	1,345.25	
23 33 13 19-0172	EA	60" x 60" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	3,271.72	229.62
		For 3 Hour Rated, Add	774.70	
		For Dynamic Damper, Add	1,394.46	
23 33 13 19-0173		Smoke Damper (23 33 13 19)		
		Note: 1-1/2 hour rating, leakage class I with Firestat UL 555S air foil blades.		
23 33 13 19-0174	EA	6" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	153.82	19.62
		For 3 Hour Rated, Add	28.49	
		For Dynamic Damper, Add	51.28	
23 33 13 19-0175	EA	8" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	158.86	20.50
		For 3 Hour Rated, Add	29.20	
		For Dynamic Damper, Add	52.56	
23 33 13 19-0176	EA	8" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	161.63	20.68
		For 3 Hour Rated, Add	29.93	
		For Dynamic Damper, Add	53.87	
23 33 13 19-0177	EA	10" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	161.63	20.68
		For 3 Hour Rated, Add	29.93	
		For Dynamic Damper, Add	53.87	
23 33 13 19-0178	EA	10" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	165.80	21.22
		For 3 Hour Rated, Add	30.65	
		For Dynamic Damper, Add	55.17	
23 33 13 19-0179	EA	10" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	177.67	23.51
		For 3 Hour Rated, Add	32.09	
		For Dynamic Damper, Add	57.76	
23 33 13 19-0180	EA	12" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	165.80	21.22
		For 3 Hour Rated, Add	30.65	
		For Dynamic Damper, Add	55.17	
23 33 13 19-0181	EA	12" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	174.13	22.45
		For 3 Hour Rated, Add	32.09	
		For Dynamic Damper, Add	57.76	
23 33 13 19-0182	EA	12" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	180.08	23.51
		For 3 Hour Rated, Add	32.81	
		For Dynamic Damper, Add	59.06	
23 33 13 19-0183	EA	12" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	191.32	26.52
		For 3 Hour Rated, Add	33.53	
		For Dynamic Damper, Add	60.36	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 33 13 19-0184	EA	14" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	172.94	22.45
		For 3 Hour Rated, Add	31.73	
		For Dynamic Damper, Add	57.12	
23 33 13 19-0185	EA	14" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	180.08	23.51
		For 3 Hour Rated, Add	32.81	
		For Dynamic Damper, Add	59.06	
23 33 13 19-0186	EA	14" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	186.01	24.75
		For 3 Hour Rated, Add	33.53	
		For Dynamic Damper, Add	60.36	
23 33 13 19-0187	EA	14" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	193.74	26.52
		For 3 Hour Rated, Add	34.26	
		For Dynamic Damper, Add	61.66	
23 33 13 19-0188	EA	14" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	208.59	29.52
		For 3 Hour Rated, Add	36.06	
		For Dynamic Damper, Add	64.91	
23 33 13 19-0189	EA	16" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	267.64	23.51
		For 3 Hour Rated, Add	59.08	
		For Dynamic Damper, Add	106.34	
23 33 13 19-0190	EA	16" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	275.34	25.27
		For 3 Hour Rated, Add	59.80	
		For Dynamic Damper, Add	107.64	
23 33 13 19-0191	EA	16" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	284.82	27.75
		For 3 Hour Rated, Add	60.52	
		For Dynamic Damper, Add	108.94	
23 33 13 19-0192	EA	16" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	292.52	29.52
		For 3 Hour Rated, Add	61.24	
		For Dynamic Damper, Add	110.23	
23 33 13 19-0193	EA	16" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	307.40	32.34
		For 3 Hour Rated, Add	63.05	
		For Dynamic Damper, Add	113.49	
23 33 13 19-0194	EA	16" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	322.23	35.35
		For 3 Hour Rated, Add	64.85	
		For Dynamic Damper, Add	116.73	
23 33 13 19-0195	EA	18" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	273.57	24.75
		For 3 Hour Rated, Add	59.80	
		For Dynamic Damper, Add	107.64	
23 33 13 19-0196	EA	18" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	282.49	26.52
		For 3 Hour Rated, Add	60.88	
		For Dynamic Damper, Add	109.59	
23 33 13 19-0197	EA	18" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	294.95	29.52
		For 3 Hour Rated, Add	61.97	
		For Dynamic Damper, Add	111.54	
23 33 13 19-0198	EA	18" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	309.80	32.34
		For 3 Hour Rated, Add	63.77	
		For Dynamic Damper, Add	114.79	
23 33 13 19-0199	EA	18" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	323.42	35.35
		For 3 Hour Rated, Add	65.21	
		For Dynamic Damper, Add	117.37	
23 33 13 19-0200	EA	18" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	338.28	38.18
		For 3 Hour Rated, Add	67.02	
		For Dynamic Damper, Add	120.63	
23 33 13 19-0201	EA	18" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	350.73	41.18
		For 3 Hour Rated, Add	68.10	
		For Dynamic Damper, Add	122.58	
23 33 13 19-0202	EA	20" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	281.29	26.52
		For 3 Hour Rated, Add	60.52	
		For Dynamic Damper, Add	108.94	
23 33 13 19-0203	EA	20" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	294.93	29.52
		For 3 Hour Rated, Add	61.96	
		For Dynamic Damper, Add	111.53	
23 33 13 19-0204	EA	20" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	308.59	32.34
		For 3 Hour Rated, Add	63.41	
		For Dynamic Damper, Add	114.13	
23 33 13 19-0205	EA	20" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	327.05	35.35
		For 3 Hour Rated, Add	66.30	
		For Dynamic Damper, Add	119.33	
23 33 13 19-0206	EA	20" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	339.49	38.18
		For 3 Hour Rated, Add	67.38	
		For Dynamic Damper, Add	121.28	
23 33 13 19-0207	EA	20" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	351.93	41.18
		For 3 Hour Rated, Add	68.46	
		For Dynamic Damper, Add	123.23	
23 33 13 19-0208	EA	20" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	365.57	44.19
		For 3 Hour Rated, Add	69.90	
		For Dynamic Damper, Add	125.82	
23 33 13 19-0209	EA	20" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	379.21	47.02
		For 3 Hour Rated, Add	71.34	
		For Dynamic Damper, Add	128.41	
23 33 13 19-0210	EA	24" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	367.38	29.52
		For 3 Hour Rated, Add	83.70	
		For Dynamic Damper, Add	150.65	
23 33 13 19-0211	EA	24" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	383.45	32.34
		For 3 Hour Rated, Add	85.87	
		For Dynamic Damper, Add	154.56	
23 33 13 19-0212	EA	24" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	397.09	35.35
		For 3 Hour Rated, Add	87.31	
		For Dynamic Damper, Add	157.16	
23 33 13 19-0213	EA	24" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	413.14	38.18
		For 3 Hour Rated, Add	89.48	
		For Dynamic Damper, Add	161.06	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0214	EA		24" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	425.58	41.18
			For 3 Hour Rated, Add	90.56	
			For Dynamic Damper, Add	163.00	
23 33 13 19-0215	EA		24" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	438.01	44.19
			For 3 Hour Rated, Add	91.63	
			For Dynamic Damper, Add	164.94	
23 33 13 19-0216	EA		24" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	454.07	47.02
			For 3 Hour Rated, Add	93.80	
			For Dynamic Damper, Add	168.84	
23 33 13 19-0217	EA		24" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	478.96	53.03
			For 3 Hour Rated, Add	95.96	
			For Dynamic Damper, Add	172.73	
23 33 13 19-0218	EA		24" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	506.26	58.86
			For 3 Hour Rated, Add	98.85	
			For Dynamic Damper, Add	177.93	
23 33 13 19-0219	EA		28" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	383.45	32.34
			For 3 Hour Rated, Add	85.87	
			For Dynamic Damper, Add	154.56	
23 33 13 19-0220	EA		28" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	397.09	35.35
			For 3 Hour Rated, Add	87.31	
			For Dynamic Damper, Add	157.16	
23 33 13 19-0221	EA		28" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	413.14	38.18
			For 3 Hour Rated, Add	89.48	
			For Dynamic Damper, Add	161.06	
23 33 13 19-0222	EA		28" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	426.78	41.18
			For 3 Hour Rated, Add	90.92	
			For Dynamic Damper, Add	163.65	
23 33 13 19-0223	EA		28" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	441.62	44.19
			For 3 Hour Rated, Add	92.72	
			For Dynamic Damper, Add	166.89	
23 33 13 19-0224	EA		28" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	456.47	47.02
			For 3 Hour Rated, Add	94.52	
			For Dynamic Damper, Add	170.13	
23 33 13 19-0225	EA		28" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	481.36	53.03
			For 3 Hour Rated, Add	96.68	
			For Dynamic Damper, Add	174.03	
23 33 13 19-0226	EA		28" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	506.26	58.86
			For 3 Hour Rated, Add	98.85	
			For Dynamic Damper, Add	177.93	
23 33 13 19-0227	EA		28" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	529.52	61.87
			For 3 Hour Rated, Add	103.18	
			For Dynamic Damper, Add	185.72	
23 33 13 19-0228	EA		28" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	559.23	67.70
			For 3 Hour Rated, Add	106.79	
			For Dynamic Damper, Add	192.21	
23 33 13 19-0229	EA		32" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	404.31	35.35
			For 3 Hour Rated, Add	89.48	
			For Dynamic Damper, Add	161.06	
23 33 13 19-0230	EA		32" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	415.52	38.18
			For 3 Hour Rated, Add	90.19	
			For Dynamic Damper, Add	162.34	
23 33 13 19-0231	EA		32" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	426.78	41.18
			For 3 Hour Rated, Add	90.92	
			For Dynamic Damper, Add	163.65	
23 33 13 19-0232	EA		32" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	440.41	44.19
			For 3 Hour Rated, Add	92.35	
			For Dynamic Damper, Add	166.23	
23 33 13 19-0233	EA		32" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	456.92	47.02
			For 3 Hour Rated, Add	94.65	
			For Dynamic Damper, Add	170.38	
23 33 13 19-0234	EA		32" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	481.36	53.03
			For 3 Hour Rated, Add	96.68	
			For Dynamic Damper, Add	174.03	
23 33 13 19-0235	EA		32" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	508.66	58.86
			For 3 Hour Rated, Add	99.57	
			For Dynamic Damper, Add	179.23	
23 33 13 19-0236	EA		32" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	535.97	64.70
			For 3 Hour Rated, Add	102.46	
			For Dynamic Damper, Add	184.43	
23 33 13 19-0237	EA		32" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	559.23	67.70
			For 3 Hour Rated, Add	106.79	
			For Dynamic Damper, Add	192.21	
23 33 13 19-0238	EA		32" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	590.21	72.47
			For 3 Hour Rated, Add	111.84	
			For Dynamic Damper, Add	201.31	
23 33 13 19-0239	EA		32" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	621.81	76.54
			For 3 Hour Rated, Add	117.61	
			For Dynamic Damper, Add	211.69	
23 33 13 19-0240	EA		36" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	424.47	38.18
			For 3 Hour Rated, Add	92.87	
			For Dynamic Damper, Add	167.17	
23 33 13 19-0241	EA		36" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	438.33	41.18
			For 3 Hour Rated, Add	94.38	
			For Dynamic Damper, Add	169.88	
23 33 13 19-0242	EA		36" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	452.20	44.19
			For 3 Hour Rated, Add	95.89	
			For Dynamic Damper, Add	172.60	
23 33 13 19-0243	EA		36" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	468.60	47.02
			For 3 Hour Rated, Add	98.16	
			For Dynamic Damper, Add	176.68	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 33 13 19-0244	EA 36" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	490.08	53.03
	For 3 Hour Rated, Add	99.30	
	For Dynamic Damper, Add	178.73	
23 33 13 19-0245	EA 36" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	502.70	55.86
	For 3 Hour Rated, Add	100.43	
	For Dynamic Damper, Add	180.78	
23 33 13 19-0246	EA 36" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	541.81	64.70
	For 3 Hour Rated, Add	104.21	
	For Dynamic Damper, Add	187.58	
23 33 13 19-0247	EA 36" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	572.06	70.71
	For 3 Hour Rated, Add	107.98	
	For Dynamic Damper, Add	194.37	
23 33 13 19-0248	EA 36" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	594.26	73.01
	For 3 Hour Rated, Add	112.52	
	For Dynamic Damper, Add	202.54	
23 33 13 19-0249	EA 36" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	630.30	78.31
	For 3 Hour Rated, Add	118.56	
	For Dynamic Damper, Add	213.41	
23 33 13 19-0250	EA 36" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	660.31	82.37
	For 3 Hour Rated, Add	123.85	
	For Dynamic Damper, Add	222.93	
23 33 13 19-0251	EA 36" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	689.30	85.37
	For 3 Hour Rated, Add	129.90	
	For Dynamic Damper, Add	233.81	
23 33 13 19-0252	EA 40" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	488.34	44.19
	For 3 Hour Rated, Add	109.38	
	For Dynamic Damper, Add	196.89	
23 33 13 19-0253	EA 40" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	507.25	47.02
	For 3 Hour Rated, Add	112.40	
	For Dynamic Damper, Add	202.33	
23 33 13 19-0254	EA 40" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	518.61	50.02
	For 3 Hour Rated, Add	113.16	
	For Dynamic Damper, Add	203.69	
23 33 13 19-0255	EA 40" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	529.98	53.03
	For 3 Hour Rated, Add	113.92	
	For Dynamic Damper, Add	205.05	
23 33 13 19-0256	EA 40" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	556.47	55.86
	For 3 Hour Rated, Add	116.57	
	For Dynamic Damper, Add	209.82	
23 33 13 19-0257	EA 40" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	574.14	58.86
	For 3 Hour Rated, Add	119.21	
	For Dynamic Damper, Add	214.59	
23 33 13 19-0258	EA 40" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	610.73	67.70
	For 3 Hour Rated, Add	122.24	
	For Dynamic Damper, Add	220.02	
23 33 13 19-0259	EA 40" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	638.49	73.53
	For 3 Hour Rated, Add	125.26	
	For Dynamic Damper, Add	225.47	
23 33 13 19-0260	EA 40" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	667.73	78.31
	For 3 Hour Rated, Add	129.79	
	For Dynamic Damper, Add	233.63	
23 33 13 19-0261	EA 40" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	707.82	82.37
	For 3 Hour Rated, Add	138.11	
	For Dynamic Damper, Add	248.59	
23 33 13 19-0262	EA 40" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	737.05	87.14
	For 3 Hour Rated, Add	142.63	
	For Dynamic Damper, Add	256.74	
23 33 13 19-0263	EA 40" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	771.84	89.44
	For 3 Hour Rated, Add	150.95	
	For Dynamic Damper, Add	271.71	
23 33 13 19-0264	EA 40" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	811.19	94.21
	For 3 Hour Rated, Add	158.51	
	For Dynamic Damper, Add	285.31	
23 33 13 19-0265	EA 44" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	502.23	44.19
	For 3 Hour Rated, Add	110.90	
	For Dynamic Damper, Add	199.62	
23 33 13 19-0266	EA 44" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	521.14	47.02
	For 3 Hour Rated, Add	113.92	
	For Dynamic Damper, Add	205.05	
23 33 13 19-0267	EA 44" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	537.56	50.02
	For 3 Hour Rated, Add	116.19	
	For Dynamic Damper, Add	209.15	
23 33 13 19-0268	EA 44" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	548.92	53.03
	For 3 Hour Rated, Add	116.95	
	For Dynamic Damper, Add	210.51	
23 33 13 19-0269	EA 44" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	567.82	55.86
	For 3 Hour Rated, Add	119.97	
	For Dynamic Damper, Add	215.95	
23 33 13 19-0270	EA 44" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	586.73	58.86
	For 3 Hour Rated, Add	122.99	
	For Dynamic Damper, Add	221.38	
23 33 13 19-0271	EA 44" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	634.70	70.71
	For 3 Hour Rated, Add	126.77	
	For Dynamic Damper, Add	228.19	
23 33 13 19-0272	EA 44" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	664.94	76.54
	For 3 Hour Rated, Add	130.55	
	For Dynamic Damper, Add	234.98	
23 33 13 19-0273	EA 44" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	707.82	82.37
	For 3 Hour Rated, Add	138.11	
	For Dynamic Damper, Add	248.59	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0274	EA	44" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	748.17	88.39
		For 3 Hour Rated, Add	144.91	
		For Dynamic Damper, Add	260.83	
23 33 13 19-0275	EA	44" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	791.02	94.21
		For 3 Hour Rated, Add	152.46	
		For Dynamic Damper, Add	274.42	
23 33 13 19-0276	EA	44" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	822.53	97.04
		For 3 Hour Rated, Add	159.26	
		For Dynamic Damper, Add	286.66	
23 33 13 19-0277	EA	44" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	854.04	100.05
		For 3 Hour Rated, Add	166.06	
		For Dynamic Damper, Add	298.91	
23 33 13 19-0278	EA	44" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	885.56	103.05
		For 3 Hour Rated, Add	172.87	
		For Dynamic Damper, Add	311.16	
23 33 13 19-0279	EA	48" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	518.61	47.02
		For 3 Hour Rated, Add	113.16	
		For Dynamic Damper, Add	203.69	
23 33 13 19-0280	EA	48" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	537.56	50.02
		For 3 Hour Rated, Add	116.19	
		For Dynamic Damper, Add	209.15	
23 33 13 19-0281	EA	48" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	548.92	53.03
		For 3 Hour Rated, Add	116.95	
		For Dynamic Damper, Add	210.51	
23 33 13 19-0282	EA	48" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	574.14	58.86
		For 3 Hour Rated, Add	119.21	
		For Dynamic Damper, Add	214.59	
23 33 13 19-0283	EA	48" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	601.89	64.70
		For 3 Hour Rated, Add	122.24	
		For Dynamic Damper, Add	220.02	
23 33 13 19-0284	EA	48" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	629.65	70.71
		For 3 Hour Rated, Add	125.26	
		For Dynamic Damper, Add	225.47	
23 33 13 19-0285	EA	48" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	662.43	76.54
		For 3 Hour Rated, Add	129.79	
		For Dynamic Damper, Add	233.63	
23 33 13 19-0286	EA	48" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	695.21	82.37
		For 3 Hour Rated, Add	134.32	
		For Dynamic Damper, Add	241.78	
23 33 13 19-0287	EA	48" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	735.57	88.39
		For 3 Hour Rated, Add	141.13	
		For Dynamic Damper, Add	254.03	
23 33 13 19-0288	EA	48" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	780.95	94.21
		For 3 Hour Rated, Add	149.44	
		For Dynamic Damper, Add	268.98	
23 33 13 19-0289	EA	48" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	812.48	97.04
		For 3 Hour Rated, Add	156.24	
		For Dynamic Damper, Add	281.24	
23 33 13 19-0290	EA	48" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	851.52	100.05
		For 3 Hour Rated, Add	165.31	
		For Dynamic Damper, Add	297.55	
23 33 13 19-0291	EA	48" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	891.88	105.88
		For 3 Hour Rated, Add	172.11	
		For Dynamic Damper, Add	309.80	
23 33 13 19-0292	EA	48" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	930.94	108.89
		For 3 Hour Rated, Add	181.18	
		For Dynamic Damper, Add	326.12	
23 33 13 19-0293	EA	48" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	977.60	117.73
		For 3 Hour Rated, Add	187.22	
		For Dynamic Damper, Add	337.00	
23 33 13 19-0294	EA	52" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	535.04	50.02
		For 3 Hour Rated, Add	115.44	
		For Dynamic Damper, Add	207.79	
23 33 13 19-0295	EA	52" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	553.95	53.03
		For 3 Hour Rated, Add	118.46	
		For Dynamic Damper, Add	213.22	
23 33 13 19-0296	EA	52" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	581.68	58.86
		For 3 Hour Rated, Add	121.48	
		For Dynamic Damper, Add	218.66	
23 33 13 19-0297	EA	52" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	601.89	64.70
		For 3 Hour Rated, Add	122.24	
		For Dynamic Damper, Add	220.02	
23 33 13 19-0298	EA	52" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	630.91	70.71
		For 3 Hour Rated, Add	125.64	
		For Dynamic Damper, Add	226.15	
23 33 13 19-0299	EA	52" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	659.91	76.54
		For 3 Hour Rated, Add	129.04	
		For Dynamic Damper, Add	232.26	
23 33 13 19-0300	EA	52" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	692.70	82.37
		For 3 Hour Rated, Add	133.57	
		For Dynamic Damper, Add	240.42	
23 33 13 19-0301	EA	52" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	725.50	88.39
		For 3 Hour Rated, Add	138.11	
		For Dynamic Damper, Add	248.59	
23 33 13 19-0302	EA	52" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	765.85	94.21
		For 3 Hour Rated, Add	144.91	
		For Dynamic Damper, Add	260.83	
23 33 13 19-0303	EA	52" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	813.73	100.05
		For 3 Hour Rated, Add	153.97	
		For Dynamic Damper, Add	277.14	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 33 13 19-0304	EA 52" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	847.75	103.05
	For 3 Hour Rated, Add	161.52	
	For Dynamic Damper, Add	290.74	
23 33 13 19-0305	EA 52" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	889.35	105.88
	For 3 Hour Rated, Add	171.35	
	For Dynamic Damper, Add	308.43	
23 33 13 19-0306	EA 52" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	937.24	111.89
	For 3 Hour Rated, Add	180.41	
	For Dynamic Damper, Add	324.75	
23 33 13 19-0307	EA 52" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	977.60	117.73
	For 3 Hour Rated, Add	187.22	
	For Dynamic Damper, Add	337.00	
23 33 13 19-0308	EA 52" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,034.34	126.57
	For 3 Hour Rated, Add	196.29	
	For Dynamic Damper, Add	353.32	
23 33 13 19-0309	EA 52" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,077.22	132.39
	For 3 Hour Rated, Add	203.85	
	For Dynamic Damper, Add	366.93	
23 33 13 19-0310	EA 56" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	548.92	53.03
	For 3 Hour Rated, Add	116.95	
	For Dynamic Damper, Add	210.51	
23 33 13 19-0311	EA 56" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	579.16	58.86
	For 3 Hour Rated, Add	120.72	
	For Dynamic Damper, Add	217.30	
23 33 13 19-0312	EA 56" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	604.41	64.70
	For 3 Hour Rated, Add	122.99	
	For Dynamic Damper, Add	221.38	
23 33 13 19-0313	EA 56" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	624.59	70.71
	For 3 Hour Rated, Add	123.74	
	For Dynamic Damper, Add	222.73	
23 33 13 19-0314	EA 56" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	656.13	76.54
	For 3 Hour Rated, Add	127.90	
	For Dynamic Damper, Add	230.22	
23 33 13 19-0315	EA 56" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	687.66	82.37
	For 3 Hour Rated, Add	132.06	
	For Dynamic Damper, Add	237.70	
23 33 13 19-0316	EA 56" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	719.19	88.39
	For 3 Hour Rated, Add	136.21	
	For Dynamic Damper, Add	245.18	
23 33 13 19-0317	EA 56" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	750.72	94.21
	For 3 Hour Rated, Add	140.37	
	For Dynamic Damper, Add	252.66	
23 33 13 19-0318	EA 56" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	798.62	100.05
	For 3 Hour Rated, Add	149.44	
	For Dynamic Damper, Add	268.98	
23 33 13 19-0319	EA 56" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	837.70	103.05
	For 3 Hour Rated, Add	158.51	
	For Dynamic Damper, Add	285.31	
23 33 13 19-0320	EA 56" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	874.24	105.88
	For 3 Hour Rated, Add	166.82	
	For Dynamic Damper, Add	300.27	
23 33 13 19-0321	EA 56" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	927.19	111.89
	For 3 Hour Rated, Add	177.40	
	For Dynamic Damper, Add	319.32	
23 33 13 19-0322	EA 56" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	975.08	117.73
	For 3 Hour Rated, Add	186.47	
	For Dynamic Damper, Add	335.64	
23 33 13 19-0323	EA 56" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,025.50	123.55
	For 3 Hour Rated, Add	196.29	
	For Dynamic Damper, Add	353.32	
23 33 13 19-0324	EA 56" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,068.38	129.57
	For 3 Hour Rated, Add	203.85	
	For Dynamic Damper, Add	366.93	
23 33 13 19-0325	EA 56" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,118.80	135.41
	For 3 Hour Rated, Add	213.67	
	For Dynamic Damper, Add	384.61	
23 33 13 19-0326	EA 56" x 56" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,169.22	141.23
	For 3 Hour Rated, Add	223.50	
	For Dynamic Damper, Add	402.29	
23 33 13 19-0327	EA 60" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	574.14	58.86
	For 3 Hour Rated, Add	119.21	
	For Dynamic Damper, Add	214.59	
23 33 13 19-0328	EA 60" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	604.41	64.70
	For 3 Hour Rated, Add	122.99	
	For Dynamic Damper, Add	221.38	
23 33 13 19-0329	EA 60" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	627.11	70.71
	For 3 Hour Rated, Add	124.50	
	For Dynamic Damper, Add	224.09	
23 33 13 19-0330	EA 60" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	647.32	76.54
	For 3 Hour Rated, Add	125.26	
	For Dynamic Damper, Add	225.47	
23 33 13 19-0331	EA 60" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	680.11	82.37
	For 3 Hour Rated, Add	129.79	
	For Dynamic Damper, Add	233.63	
23 33 13 19-0332	EA 60" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	712.89	88.39
	For 3 Hour Rated, Add	134.32	
	For Dynamic Damper, Add	241.78	
23 33 13 19-0333	EA 60" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	746.94	94.21
	For 3 Hour Rated, Add	139.23	
	For Dynamic Damper, Add	250.62	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0334	EA	60" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	780.98 144.14 259.46	100.05
23 33 13 19-0335	EA	60" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	822.57 153.97 277.14	103.05
23 33 13 19-0336	EA	60" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	861.63 163.04 293.46	105.88
23 33 13 19-0337	EA	60" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	912.08 172.87 311.16	111.89
23 33 13 19-0338	EA	60" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	962.49 182.69 328.84	117.73
23 33 13 19-0339	EA	60" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	1,005.34 190.24 342.44	123.55
23 33 13 19-0340	EA	60" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	1,063.32 202.33 364.20	129.57
23 33 13 19-0341	EA	60" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	1,116.26 212.91 383.24	135.41
23 33 13 19-0342	EA	60" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	1,169.22 223.50 402.29	141.23
23 33 13 19-0343	EA	60" x 56" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	1,217.09 232.55 418.60	147.25
23 33 13 19-0344	EA	60" x 60" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i> <i>For Dynamic Damper, Add</i>	1,265.03 241.63 434.94	153.08

23 33 13 23 Backdraft Dampers (23 33 13)

23 33 13 23-0001 Horizontally Mounted Backdraft Damper (23 33 13 23)

Note: Galvanized steel frame, aluminum blades. Exclude motor pack.

23 33 13 23-0002	EA	6" x 6" Horizontally Mounted Backdraft Damper	123.71	19.62
23 33 13 23-0003	EA	8" x 6" Horizontally Mounted Backdraft Damper	147.96	20.50
23 33 13 23-0004	EA	8" x 8" Horizontally Mounted Backdraft Damper	177.13	20.68
23 33 13 23-0005	EA	10" x 6" Horizontally Mounted Backdraft Damper	169.94	20.68
23 33 13 23-0006	EA	10" x 8" Horizontally Mounted Backdraft Damper	163.12	21.22
23 33 13 23-0007	EA	10" x 10" Horizontally Mounted Backdraft Damper	195.06	23.51
23 33 13 23-0008	EA	12" x 6" Horizontally Mounted Backdraft Damper	153.18	21.22
23 33 13 23-0009	EA	12" x 8" Horizontally Mounted Backdraft Damper	190.09	23.51
23 33 13 23-0010	EA	12" x 10" Horizontally Mounted Backdraft Damper	182.91	24.75
23 33 13 23-0011	EA	12" x 12" Horizontally Mounted Backdraft Damper	209.97	26.52
23 33 13 23-0012	EA	14" x 6" Horizontally Mounted Backdraft Damper	171.63	22.45
23 33 13 23-0013	EA	14" x 8" Horizontally Mounted Backdraft Damper	175.66	24.75
23 33 13 23-0014	EA	14" x 10" Horizontally Mounted Backdraft Damper	206.36	26.52
23 33 13 23-0015	EA	14" x 12" Horizontally Mounted Backdraft Damper	185.93	29.52
23 33 13 23-0016	EA	14" x 14" Horizontally Mounted Backdraft Damper	211.03	32.34
23 33 13 23-0017	EA	16" x 6" Horizontally Mounted Backdraft Damper	190.09	23.51
23 33 13 23-0018	EA	16" x 8" Horizontally Mounted Backdraft Damper	195.47	26.52
23 33 13 23-0019	EA	16" x 10" Horizontally Mounted Backdraft Damper	181.29	29.52
23 33 13 23-0020	EA	16" x 12" Horizontally Mounted Backdraft Damper	199.85	29.52
23 33 13 23-0021	EA	16" x 14" Horizontally Mounted Backdraft Damper	227.29	32.34
23 33 13 23-0022	EA	16" x 16" Horizontally Mounted Backdraft Damper	254.68	35.35
23 33 13 23-0023	EA	18" x 6" Horizontally Mounted Backdraft Damper	172.06	24.75
23 33 13 23-0024	EA	18" x 8" Horizontally Mounted Backdraft Damper	163.14	26.52
23 33 13 23-0025	EA	18" x 10" Horizontally Mounted Backdraft Damper	192.88	29.52
23 33 13 23-0026	EA	18" x 12" Horizontally Mounted Backdraft Damper	222.62	32.34
23 33 13 23-0027	EA	18" x 14" Horizontally Mounted Backdraft Damper	252.34	35.35
23 33 13 23-0028	EA	18" x 16" Horizontally Mounted Backdraft Damper	287.44	38.18
23 33 13 23-0029	EA	18" x 18" Horizontally Mounted Backdraft Damper	326.68	44.19
23 33 13 23-0030	EA	18" x 20" Horizontally Mounted Backdraft Damper	272.22	47.02
23 33 13 23-0031	EA	18" x 24" Horizontally Mounted Backdraft Damper	316.05	53.03
23 33 13 23-0032	EA	20" x 6" Horizontally Mounted Backdraft Damper	188.22	26.52
23 33 13 23-0033	EA	20" x 8" Horizontally Mounted Backdraft Damper	181.29	29.52
23 33 13 23-0034	EA	20" x 10" Horizontally Mounted Backdraft Damper	213.33	32.34
23 33 13 23-0035	EA	20" x 12" Horizontally Mounted Backdraft Damper	245.40	35.35
23 33 13 23-0036	EA	20" x 14" Horizontally Mounted Backdraft Damper	282.65	38.18
23 33 13 23-0037	EA	20" x 16" Horizontally Mounted Backdraft Damper	315.45	41.18
23 33 13 23-0038	EA	20" x 18" Horizontally Mounted Backdraft Damper	272.22	47.02
23 33 13 23-0039	EA	20" x 20" Horizontally Mounted Backdraft Damper	286.75	47.02
23 33 13 23-0040	EA	20" x 24" Horizontally Mounted Backdraft Damper	333.49	53.03
23 33 13 23-0041	EA	20" x 28" Horizontally Mounted Backdraft Damper	380.22	58.86
23 33 13 23-0042	EA	20" x 32" Horizontally Mounted Backdraft Damper	360.53	64.70
23 33 13 23-0043	EA	20" x 36" Horizontally Mounted Backdraft Damper	398.95	70.71
23 33 13 23-0044	EA	24" x 6" Horizontally Mounted Backdraft Damper	171.98	29.52
23 33 13 23-0045	EA	24" x 8" Horizontally Mounted Backdraft Damper	208.69	32.34
23 33 13 23-0046	EA	24" x 10" Horizontally Mounted Backdraft Damper	245.40	35.35
23 33 13 23-0047	EA	24" x 12" Horizontally Mounted Backdraft Damper	287.44	38.18
23 33 13 23-0048	EA	24" x 14" Horizontally Mounted Backdraft Damper	254.65	44.19
23 33 13 23-0049	EA	24" x 16" Horizontally Mounted Backdraft Damper	280.93	47.02

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 33 13 23-0050	EA	24" x 18" Horizontally Mounted Backdraft Damper	316.05	53.03
23 33 13 23-0051	EA	24" x 20" Horizontally Mounted Backdraft Damper	333.49	53.03
23 33 13 23-0052	EA	24" x 24" Horizontally Mounted Backdraft Damper	386.04	58.86
23 33 13 23-0053	EA	24" x 28" Horizontally Mounted Backdraft Damper	368.81	64.70
23 33 13 23-0054	EA	24" x 32" Horizontally Mounted Backdraft Damper	411.42	70.71
23 33 13 23-0055	EA	24" x 36" Horizontally Mounted Backdraft Damper	453.99	76.54
23 33 13 23-0056	EA	24" x 40" Horizontally Mounted Backdraft Damper	446.77	82.37
23 33 13 23-0057	EA	24" x 44" Horizontally Mounted Backdraft Damper	484.38	88.39
23 33 13 23-0058	EA	24" x 48" Horizontally Mounted Backdraft Damper	504.30	88.39
23 33 13 23-0059	EA	28" x 6" Horizontally Mounted Backdraft Damper	185.93	29.52
23 33 13 23-0060	EA	28" x 8" Horizontally Mounted Backdraft Damper	227.29	32.34
23 33 13 23-0061	EA	28" x 10" Horizontally Mounted Backdraft Damper	282.65	38.18
23 33 13 23-0062	EA	28" x 12" Horizontally Mounted Backdraft Damper	254.65	44.19
23 33 13 23-0063	EA	28" x 14" Horizontally Mounted Backdraft Damper	283.84	47.02
23 33 13 23-0064	EA	28" x 16" Horizontally Mounted Backdraft Damper	321.87	53.03
23 33 13 23-0065	EA	28" x 18" Horizontally Mounted Backdraft Damper	359.89	58.86
23 33 13 23-0066	EA	28" x 20" Horizontally Mounted Backdraft Damper	380.22	58.86
23 33 13 23-0067	EA	28" x 24" Horizontally Mounted Backdraft Damper	368.81	64.70
23 33 13 23-0068	EA	28" x 28" Horizontally Mounted Backdraft Damper	415.58	70.71
23 33 13 23-0069	EA	28" x 32" Horizontally Mounted Backdraft Damper	462.30	76.54
23 33 13 23-0070	EA	28" x 36" Horizontally Mounted Backdraft Damper	474.40	88.39
23 33 13 23-0071	EA	28" x 40" Horizontally Mounted Backdraft Damper	497.66	88.39
23 33 13 23-0072	EA	28" x 44" Horizontally Mounted Backdraft Damper	538.58	94.21
23 33 13 23-0073	EA	28" x 48" Horizontally Mounted Backdraft Damper	579.51	100.05
23 33 13 23-0074	EA	28" x 52" Horizontally Mounted Backdraft Damper	602.77	100.05
23 33 13 23-0075	EA	28" x 56" Horizontally Mounted Backdraft Damper	603.01	105.88
23 33 13 23-0076	EA	28" x 60" Horizontally Mounted Backdraft Damper	623.33	105.88
23 33 13 23-0077	EA	32" x 6" Horizontally Mounted Backdraft Damper	208.69	32.34
23 33 13 23-0078	EA	32" x 8" Horizontally Mounted Backdraft Damper	268.27	38.18
23 33 13 23-0079	EA	32" x 10" Horizontally Mounted Backdraft Damper	315.45	41.18
23 33 13 23-0080	EA	32" x 12" Horizontally Mounted Backdraft Damper	280.93	47.02
23 33 13 23-0081	EA	32" x 14" Horizontally Mounted Backdraft Damper	321.87	53.03
23 33 13 23-0082	EA	32" x 16" Horizontally Mounted Backdraft Damper	362.78	58.86
23 33 13 23-0083	EA	32" x 18" Horizontally Mounted Backdraft Damper	326.23	58.86
23 33 13 23-0084	EA	32" x 20" Horizontally Mounted Backdraft Damper	360.53	64.70
23 33 13 23-0085	EA	32" x 24" Horizontally Mounted Backdraft Damper	411.42	70.71
23 33 13 23-0086	EA	32" x 28" Horizontally Mounted Backdraft Damper	462.30	76.54
23 33 13 23-0087	EA	32" x 32" Horizontally Mounted Backdraft Damper	477.74	88.39
23 33 13 23-0088	EA	32" x 36" Horizontally Mounted Backdraft Damper	504.30	88.39
23 33 13 23-0089	EA	32" x 40" Horizontally Mounted Backdraft Damper	548.55	94.21
23 33 13 23-0090	EA	32" x 44" Horizontally Mounted Backdraft Damper	592.79	100.05
23 33 13 23-0091	EA	32" x 48" Horizontally Mounted Backdraft Damper	597.19	105.88
23 33 13 23-0092	EA	32" x 52" Horizontally Mounted Backdraft Damper	620.45	105.88
23 33 13 23-0093	EA	32" x 56" Horizontally Mounted Backdraft Damper	661.36	111.89
23 33 13 23-0094	EA	32" x 60" Horizontally Mounted Backdraft Damper	684.63	111.89
23 33 13 23-0095	EA	32" x 64" Horizontally Mounted Backdraft Damper	672.39	117.73
23 33 13 23-0096	EA	32" x 68" Horizontally Mounted Backdraft Damper	692.32	117.73
23 33 13 23-0097	EA	32" x 72" Horizontally Mounted Backdraft Damper	729.92	123.55
23 33 13 23-0098	EA	36" x 6" Horizontally Mounted Backdraft Damper	222.62	32.34
23 33 13 23-0099	EA	36" x 8" Horizontally Mounted Backdraft Damper	296.28	41.18
23 33 13 23-0100	EA	36" x 10" Horizontally Mounted Backdraft Damper	272.22	47.02
23 33 13 23-0101	EA	36" x 12" Horizontally Mounted Backdraft Damper	316.05	53.03
23 33 13 23-0102	EA	36" x 14" Horizontally Mounted Backdraft Damper	359.89	58.86
23 33 13 23-0103	EA	36" x 16" Horizontally Mounted Backdraft Damper	326.23	58.86
23 33 13 23-0104	EA	36" x 18" Horizontally Mounted Backdraft Damper	362.59	64.70
23 33 13 23-0105	EA	36" x 20" Horizontally Mounted Backdraft Damper	398.95	70.71
23 33 13 23-0106	EA	36" x 24" Horizontally Mounted Backdraft Damper	453.99	76.54
23 33 13 23-0107	EA	36" x 28" Horizontally Mounted Backdraft Damper	474.40	88.39
23 33 13 23-0108	EA	36" x 32" Horizontally Mounted Backdraft Damper	504.30	88.39
23 33 13 23-0109	EA	36" x 36" Horizontally Mounted Backdraft Damper	551.86	94.21
23 33 13 23-0110	EA	36" x 40" Horizontally Mounted Backdraft Damper	599.44	100.05
23 33 13 23-0111	EA	36" x 44" Horizontally Mounted Backdraft Damper	605.89	105.88
23 33 13 23-0112	EA	36" x 48" Horizontally Mounted Backdraft Damper	649.75	111.89
23 33 13 23-0113	EA	36" x 52" Horizontally Mounted Backdraft Damper	675.89	111.89
23 33 13 23-0114	EA	36" x 56" Horizontally Mounted Backdraft Damper	667.42	117.73
23 33 13 23-0115	EA	36" x 60" Horizontally Mounted Backdraft Damper	689.83	117.73
23 33 13 23-0116	EA	36" x 64" Horizontally Mounted Backdraft Damper	729.92	123.55
23 33 13 23-0117	EA	36" x 68" Horizontally Mounted Backdraft Damper	752.33	123.55
23 33 13 23-0118	EA	36" x 72" Horizontally Mounted Backdraft Damper	774.78	123.55
23 33 13 23-0119	EA	40" x 6" Horizontally Mounted Backdraft Damper	245.40	35.35
23 33 13 23-0120	EA	40" x 8" Horizontally Mounted Backdraft Damper	324.29	44.19
23 33 13 23-0121	EA	40" x 10" Horizontally Mounted Backdraft Damper	286.75	47.02
23 33 13 23-0122	EA	40" x 12" Horizontally Mounted Backdraft Damper	333.49	53.03
23 33 13 23-0123	EA	40" x 14" Horizontally Mounted Backdraft Damper	380.22	58.86
23 33 13 23-0124	EA	40" x 16" Horizontally Mounted Backdraft Damper	360.53	64.70
23 33 13 23-0125	EA	40" x 18" Horizontally Mounted Backdraft Damper	398.95	70.71
23 33 13 23-0126	EA	40" x 20" Horizontally Mounted Backdraft Damper	437.37	76.54
23 33 13 23-0127	EA	40" x 24" Horizontally Mounted Backdraft Damper	446.77	82.37
23 33 13 23-0128	EA	40" x 28" Horizontally Mounted Backdraft Damper	497.66	88.39
23 33 13 23-0129	EA	40" x 32" Horizontally Mounted Backdraft Damper	548.55	94.21
23 33 13 23-0130	EA	40" x 36" Horizontally Mounted Backdraft Damper	599.44	100.05
23 33 13 23-0131	EA	40" x 40" Horizontally Mounted Backdraft Damper	608.80	105.88
23 33 13 23-0132	EA	40" x 44" Horizontally Mounted Backdraft Damper	655.54	111.89
23 33 13 23-0133	EA	40" x 48" Horizontally Mounted Backdraft Damper	684.63	111.89
23 33 13 23-0134	EA	40" x 50" Horizontally Mounted Backdraft Damper	664.93	117.73

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 33 13 23-0135	EA	44" x 6" Horizontally Mounted Backdraft Damper.....	273.06	38.18
23 33 13 23-0136	EA	44" x 8" Horizontally Mounted Backdraft Damper.....	269.31	47.02
23 33 13 23-0137	EA	44" x 10" Horizontally Mounted Backdraft Damper.....	318.96	53.03
23 33 13 23-0138	EA	44" x 12" Horizontally Mounted Backdraft Damper.....	368.60	58.86
23 33 13 23-0139	EA	44" x 14" Horizontally Mounted Backdraft Damper.....	354.28	64.70
23 33 13 23-0140	EA	44" x 16" Horizontally Mounted Backdraft Damper.....	394.80	70.71
23 33 13 23-0141	EA	44" x 18" Horizontally Mounted Backdraft Damper.....	417.64	70.71
23 33 13 23-0142	EA	44" x 20" Horizontally Mounted Backdraft Damper.....	458.15	76.54
23 33 13 23-0143	EA	44" x 24" Horizontally Mounted Backdraft Damper.....	484.38	88.39
23 33 13 23-0144	EA	44" x 28" Horizontally Mounted Backdraft Damper.....	538.58	94.21
23 33 13 23-0145	EA	44" x 32" Horizontally Mounted Backdraft Damper.....	592.79	100.05
23 33 13 23-0146	EA	44" x 36" Horizontally Mounted Backdraft Damper.....	605.89	105.88
23 33 13 23-0147	EA	44" x 40" Horizontally Mounted Backdraft Damper.....	655.54	111.89
23 33 13 23-0148	EA	44" x 44" Horizontally Mounted Backdraft Damper.....	687.51	111.89
23 33 13 23-0149	EA	44" x 48" Horizontally Mounted Backdraft Damper.....	682.37	117.73
23 33 13 23-0150	EA	44" x 50" Horizontally Mounted Backdraft Damper.....	696.05	117.73
23 33 13 23-0151	EA	48" x 6" Horizontally Mounted Backdraft Damper.....	296.28	41.18
23 33 13 23-0152	EA	48" x 8" Horizontally Mounted Backdraft Damper.....	280.93	47.02
23 33 13 23-0153	EA	48" x 10" Horizontally Mounted Backdraft Damper.....	333.49	53.03
23 33 13 23-0154	EA	48" x 12" Horizontally Mounted Backdraft Damper.....	326.23	58.86
23 33 13 23-0155	EA	48" x 14" Horizontally Mounted Backdraft Damper.....	368.81	64.70
23 33 13 23-0156	EA	48" x 16" Horizontally Mounted Backdraft Damper.....	411.42	70.71
23 33 13 23-0157	EA	48" x 18" Horizontally Mounted Backdraft Damper.....	453.99	76.54
23 33 13 23-0158	EA	48" x 20" Horizontally Mounted Backdraft Damper.....	446.77	82.37
23 33 13 23-0159	EA	48" x 24" Horizontally Mounted Backdraft Damper.....	504.30	88.39
23 33 13 23-0160	EA	48" x 28" Horizontally Mounted Backdraft Damper.....	579.51	100.05
23 33 13 23-0161	EA	48" x 32" Horizontally Mounted Backdraft Damper.....	597.19	105.88
23 33 13 23-0162	EA	48" x 36" Horizontally Mounted Backdraft Damper.....	649.75	111.89
23 33 13 23-0163	EA	48" x 40" Horizontally Mounted Backdraft Damper.....	684.63	111.89
23 33 13 23-0164	EA	48" x 44" Horizontally Mounted Backdraft Damper.....	682.37	117.73
23 33 13 23-0165	EA	48" x 48" Horizontally Mounted Backdraft Damper.....	729.92	123.55
23 33 13 23-0166	EA	48" x 50" Horizontally Mounted Backdraft Damper.....	744.87	123.55
23 33 13 23-0167	EA	50" x 6" Horizontally Mounted Backdraft Damper.....	303.47	41.18
23 33 13 23-0168	EA	50" x 8" Horizontally Mounted Backdraft Damper.....	304.43	53.03
23 33 13 23-0169	EA	50" x 10" Horizontally Mounted Backdraft Damper.....	358.44	58.86
23 33 13 23-0170	EA	50" x 12" Horizontally Mounted Backdraft Damper.....	350.13	64.70
23 33 13 23-0171	EA	50" x 14" Horizontally Mounted Backdraft Damper.....	393.77	70.71
23 33 13 23-0172	EA	50" x 16" Horizontally Mounted Backdraft Damper.....	437.37	76.54
23 33 13 23-0173	EA	50" x 18" Horizontally Mounted Backdraft Damper.....	481.01	82.37
23 33 13 23-0174	EA	50" x 20" Horizontally Mounted Backdraft Damper.....	472.73	88.39
23 33 13 23-0175	EA	50" x 24" Horizontally Mounted Backdraft Damper.....	531.93	94.21
23 33 13 23-0176	EA	50" x 28" Horizontally Mounted Backdraft Damper.....	591.12	100.05
23 33 13 23-0177	EA	50" x 32" Horizontally Mounted Backdraft Damper.....	608.80	105.88
23 33 13 23-0178	EA	50" x 36" Horizontally Mounted Backdraft Damper.....	662.82	111.89
23 33 13 23-0179	EA	50" x 40" Horizontally Mounted Backdraft Damper.....	664.93	117.73
23 33 13 23-0180	EA	50" x 44" Horizontally Mounted Backdraft Damper.....	696.05	117.73
23 33 13 23-0181	EA	50" x 48" Horizontally Mounted Backdraft Damper.....	744.87	123.55
23 33 13 23-0182	EA	50" x 50" Horizontally Mounted Backdraft Damper.....	760.43	123.55

23 33 13 23-0183

Vertically Mounted Backdraft Damper (23 33 13 23)

Note: Galvanized steel frame, aluminum blades. Excludes motor pack.

23 33 13 23-0184	EA	6" x 6" Vertically Mounted Backdraft Damper.....	133.53	19.62
23 33 13 23-0185	EA	8" x 6" Vertically Mounted Backdraft Damper.....	161.09	20.50
23 33 13 23-0186	EA	10" x 6" Vertically Mounted Backdraft Damper.....	165.60	20.68
23 33 13 23-0187	EA	8" x 8" Vertically Mounted Backdraft Damper.....	172.51	20.68
23 33 13 23-0188	EA	12" x 6" Vertically Mounted Backdraft Damper.....	188.12	21.22
23 33 13 23-0189	EA	10" x 8" Vertically Mounted Backdraft Damper.....	209.02	23.51
23 33 13 23-0190	EA	14" x 6" Vertically Mounted Backdraft Damper.....	208.86	21.22
23 33 13 23-0191	EA	12" x 8" Vertically Mounted Backdraft Damper.....	236.68	23.51
23 33 13 23-0192	EA	16" x 6" Vertically Mounted Backdraft Damper.....	240.21	24.75
23 33 13 23-0193	EA	10" x 10" Vertically Mounted Backdraft Damper.....	252.43	26.52
23 33 13 23-0194	EA	18" x 6" Vertically Mounted Backdraft Damper.....	203.66	22.45
23 33 13 23-0195	EA	14" x 8" Vertically Mounted Backdraft Damper.....	215.79	24.75
23 33 13 23-0196	EA	12" x 10" Vertically Mounted Backdraft Damper.....	231.20	26.52
23 33 13 23-0197	EA	20" x 6" Vertically Mounted Backdraft Damper.....	240.04	29.52
23 33 13 23-0198	EA	16" x 8" Vertically Mounted Backdraft Damper.....	258.98	32.34
23 33 13 23-0199	EA	14" x 10" Vertically Mounted Backdraft Damper.....	247.63	23.51
23 33 13 23-0200	EA	12" x 12" Vertically Mounted Backdraft Damper.....	261.53	26.52
23 33 13 23-0201	EA	18" x 8" Vertically Mounted Backdraft Damper.....	233.25	29.52
23 33 13 23-0202	EA	24" x 6" Vertically Mounted Backdraft Damper.....	233.25	29.52
23 33 13 23-0203	EA	16" x 10" Vertically Mounted Backdraft Damper.....	258.16	32.34
23 33 13 23-0204	EA	20" x 8" Vertically Mounted Backdraft Damper.....	266.99	35.35
23 33 13 23-0205	EA	14" x 12" Vertically Mounted Backdraft Damper.....	243.21	24.75
23 33 13 23-0206	EA	28" x 6" Vertically Mounted Backdraft Damper.....	248.52	26.52
23 33 13 23-0207	EA	18" x 10" Vertically Mounted Backdraft Damper.....	269.43	29.52
23 33 13 23-0208	EA	16" x 12" Vertically Mounted Backdraft Damper.....	290.34	32.34
23 33 13 23-0209	EA	24" x 8" Vertically Mounted Backdraft Damper.....	299.17	35.35
23 33 13 23-0210	EA	32" x 6" Vertically Mounted Backdraft Damper.....	308.00	38.18
23 33 13 23-0211	EA	14" x 14" Vertically Mounted Backdraft Damper.....	329.72	44.19
23 33 13 23-0212	EA	20" x 10" Vertically Mounted Backdraft Damper.....	328.61	47.02
23 33 13 23-0213	EA	18" x 12" Vertically Mounted Backdraft Damper.....	361.27	53.03
23 33 13 23-0214	EA	36" x 6" Vertically Mounted Backdraft Damper.....	281.73	26.52
23 33 13 23-0215	EA	16" x 14" Vertically Mounted Backdraft Damper.....	298.06	29.52
23 33 13 23-0216	EA	28" x 8" Vertically Mounted Backdraft Damper.....	306.90	32.34

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 33 13 23-0217	EA	20" x 12" Vertically Mounted Backdraft Damper	330.69	35.35
23 33 13 23-0218	EA	24" x 10" Vertically Mounted Backdraft Damper	339.52	38.18
23 33 13 23-0219	EA	40" x 6" Vertically Mounted Backdraft Damper	348.36	41.18
23 33 13 23-0220	EA	18" x 14" Vertically Mounted Backdraft Damper	377.29	47.02
23 33 13 23-0221	EA	16" x 16" Vertically Mounted Backdraft Damper	381.02	47.02
23 33 13 23-0222	EA	32" x 8" Vertically Mounted Backdraft Damper	398.70	53.03
23 33 13 23-0223	EA	44" x 6" Vertically Mounted Backdraft Damper	423.86	58.86
23 33 13 23-0224	EA	20" x 14" Vertically Mounted Backdraft Damper	456.52	64.70
23 33 13 23-0225	EA	28" x 10" Vertically Mounted Backdraft Damper	474.20	70.71
23 33 13 23-0226	EA	18" x 16" Vertically Mounted Backdraft Damper	357.97	29.52
23 33 13 23-0227	EA	24" x 12" Vertically Mounted Backdraft Damper	366.81	32.34
23 33 13 23-0228	EA	36" x 8" Vertically Mounted Backdraft Damper	375.64	35.35
23 33 13 23-0229	EA	48" x 6" Vertically Mounted Backdraft Damper	384.47	38.18
23 33 13 23-0230	EA	50" x 6" Vertically Mounted Backdraft Damper	413.37	44.19
23 33 13 23-0231	EA	20" x 16" Vertically Mounted Backdraft Damper	440.92	47.02
23 33 13 23-0232	EA	32" x 10" Vertically Mounted Backdraft Damper	458.60	53.03
23 33 13 23-0233	EA	40" x 8" Vertically Mounted Backdraft Damper	458.60	53.03
23 33 13 23-0234	EA	18" x 18" Vertically Mounted Backdraft Damper	416.37	58.86
23 33 13 23-0235	EA	24" x 14" Vertically Mounted Backdraft Damper	400.78	64.70
23 33 13 23-0236	EA	28" x 12" Vertically Mounted Backdraft Damper	418.46	70.71
23 33 13 23-0237	EA	44" x 8" Vertically Mounted Backdraft Damper	445.95	76.54
23 33 13 23-0238	EA	18" x 20" Vertically Mounted Backdraft Damper	468.55	82.37
23 33 13 23-0239	EA	20" x 18" Vertically Mounted Backdraft Damper	486.23	88.39
23 33 13 23-0240	EA	36" x 10" Vertically Mounted Backdraft Damper	486.23	88.39
23 33 13 23-0241	EA	24" x 16" Vertically Mounted Backdraft Damper	324.21	29.52
23 33 13 23-0242	EA	32" x 12" Vertically Mounted Backdraft Damper	333.05	32.34
23 33 13 23-0243	EA	48" x 8" Vertically Mounted Backdraft Damper	350.71	38.18
23 33 13 23-0244	EA	28" x 14" Vertically Mounted Backdraft Damper	373.30	44.19
23 33 13 23-0245	EA	20" x 20" Vertically Mounted Backdraft Damper	387.06	47.02
23 33 13 23-0246	EA	40" x 10" Vertically Mounted Backdraft Damper	404.74	53.03
23 33 13 23-0247	EA	50" x 8" Vertically Mounted Backdraft Damper	422.41	58.86
23 33 13 23-0248	EA	18" x 24" Vertically Mounted Backdraft Damper	442.06	58.86
23 33 13 23-0249	EA	24" x 18" Vertically Mounted Backdraft Damper	459.74	64.70
23 33 13 23-0250	EA	36" x 12" Vertically Mounted Backdraft Damper	477.42	70.71
23 33 13 23-0251	EA	44" x 10" Vertically Mounted Backdraft Damper	500.00	76.54
23 33 13 23-0252	EA	28" x 16" Vertically Mounted Backdraft Damper	540.28	88.39
23 33 13 23-0253	EA	32" x 14" Vertically Mounted Backdraft Damper	540.28	88.39
23 33 13 23-0254	EA	20" x 24" Vertically Mounted Backdraft Damper	580.07	94.21
23 33 13 23-0255	EA	24" x 20" Vertically Mounted Backdraft Damper	552.48	100.05
23 33 13 23-0256	EA	40" x 12" Vertically Mounted Backdraft Damper	552.48	100.05
23 33 13 23-0257	EA	48" x 10" Vertically Mounted Backdraft Damper	570.16	105.88
23 33 13 23-0258	EA	50" x 10" Vertically Mounted Backdraft Damper	580.66	105.88
23 33 13 23-0259	EA	28" x 18" Vertically Mounted Backdraft Damper	361.80	32.34
23 33 13 23-0260	EA	36" x 14" Vertically Mounted Backdraft Damper	379.46	38.18
23 33 13 23-0261	EA	32" x 16" Vertically Mounted Backdraft Damper	392.52	41.18
23 33 13 23-0262	EA	44" x 12" Vertically Mounted Backdraft Damper	418.57	47.02
23 33 13 23-0263	EA	20" x 28" Vertically Mounted Backdraft Damper	453.05	53.03
23 33 13 23-0264	EA	28" x 20" Vertically Mounted Backdraft Damper	470.72	58.86
23 33 13 23-0265	EA	40" x 14" Vertically Mounted Backdraft Damper	470.72	58.86
23 33 13 23-0266	EA	24" x 24" Vertically Mounted Backdraft Damper	498.80	64.70
23 33 13 23-0267	EA	32" x 18" Vertically Mounted Backdraft Damper	514.48	70.71
23 33 13 23-0268	EA	36" x 16" Vertically Mounted Backdraft Damper	532.15	76.54
23 33 13 23-0269	EA	48" x 12" Vertically Mounted Backdraft Damper	567.51	88.39
23 33 13 23-0270	EA	50" x 12" Vertically Mounted Backdraft Damper	580.13	88.39
23 33 13 23-0271	EA	44" x 14" Vertically Mounted Backdraft Damper	606.21	94.21
23 33 13 23-0272	EA	20" x 32" Vertically Mounted Backdraft Damper	636.47	100.05
23 33 13 23-0273	EA	32" x 20" Vertically Mounted Backdraft Damper	654.15	105.88
23 33 13 23-0274	EA	40" x 16" Vertically Mounted Backdraft Damper	654.15	105.88
23 33 13 23-0275	EA	36" x 18" Vertically Mounted Backdraft Damper	676.01	111.89
23 33 13 23-0276	EA	24" x 28" Vertically Mounted Backdraft Damper	690.72	111.89
23 33 13 23-0277	EA	28" x 24" Vertically Mounted Backdraft Damper	677.97	117.73
23 33 13 23-0278	EA	48" x 14" Vertically Mounted Backdraft Damper	677.97	117.73
23 33 13 23-0279	EA	50" x 14" Vertically Mounted Backdraft Damper	709.17	123.55
23 33 13 23-0280	EA	44" x 16" Vertically Mounted Backdraft Damper	437.11	32.34
23 33 13 23-0281	EA	20" x 36" Vertically Mounted Backdraft Damper	471.35	41.18
23 33 13 23-0282	EA	36" x 20" Vertically Mounted Backdraft Damper	489.03	47.02
23 33 13 23-0283	EA	40" x 18" Vertically Mounted Backdraft Damper	506.71	53.03
23 33 13 23-0284	EA	24" x 32" Vertically Mounted Backdraft Damper	547.55	58.86
23 33 13 23-0285	EA	32" x 24" Vertically Mounted Backdraft Damper	547.55	58.86
23 33 13 23-0286	EA	48" x 16" Vertically Mounted Backdraft Damper	565.23	64.70
23 33 13 23-0287	EA	28" x 28" Vertically Mounted Backdraft Damper	590.64	70.71
23 33 13 23-0288	EA	44" x 18" Vertically Mounted Backdraft Damper	612.16	76.54
23 33 13 23-0289	EA	40" x 20" Vertically Mounted Backdraft Damper	651.38	88.39
23 33 13 23-0290	EA	50" x 16" Vertically Mounted Backdraft Damper	651.38	88.39
23 33 13 23-0291	EA	24" x 36" Vertically Mounted Backdraft Damper	699.96	94.21
23 33 13 23-0292	EA	36" x 24" Vertically Mounted Backdraft Damper	717.63	100.05
23 33 13 23-0293	EA	48" x 18" Vertically Mounted Backdraft Damper	735.31	105.88
23 33 13 23-0294	EA	44" x 20" Vertically Mounted Backdraft Damper	760.73	111.89
23 33 13 23-0295	EA	28" x 32" Vertically Mounted Backdraft Damper	768.46	111.89
23 33 13 23-0296	EA	32" x 28" Vertically Mounted Backdraft Damper	786.13	117.73
23 33 13 23-0297	EA	50" x 18" Vertically Mounted Backdraft Damper	788.04	117.73
23 33 13 23-0298	EA	24" x 40" Vertically Mounted Backdraft Damper	834.68	123.55
23 33 13 23-0299	EA	40" x 24" Vertically Mounted Backdraft Damper	834.68	123.55
23 33 13 23-0300	EA	48" x 20" Vertically Mounted Backdraft Damper	834.68	123.55
23 33 13 23-0301	EA	50" x 20" Vertically Mounted Backdraft Damper	588.86	35.35

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0302	EA	28" x 36" Vertically Mounted Backdraft Damper	619.22	44.19
23 33 13 23-0303	EA	36" x 28" Vertically Mounted Backdraft Damper	628.06	47.02
23 33 13 23-0304	EA	32" x 32" Vertically Mounted Backdraft Damper	653.47	53.03
23 33 13 23-0305	EA	24" x 44" Vertically Mounted Backdraft Damper	631.47	58.86
23 33 13 23-0306	EA	44" x 24" Vertically Mounted Backdraft Damper	649.15	64.70
23 33 13 23-0307	EA	28" x 40" Vertically Mounted Backdraft Damper	694.37	70.71
23 33 13 23-0308	EA	40" x 28" Vertically Mounted Backdraft Damper	712.04	76.54
23 33 13 23-0309	EA	24" x 48" Vertically Mounted Backdraft Damper	743.52	82.37
23 33 13 23-0310	EA	32" x 36" Vertically Mounted Backdraft Damper	761.20	88.39
23 33 13 23-0311	EA	36" x 32" Vertically Mounted Backdraft Damper	778.88	94.21
23 33 13 23-0312	EA	48" x 24" Vertically Mounted Backdraft Damper	796.55	100.05
23 33 13 23-0313	EA	50" x 24" Vertically Mounted Backdraft Damper	834.89	105.88
23 33 13 23-0314	EA	28" x 44" Vertically Mounted Backdraft Damper	866.34	111.89
23 33 13 23-0315	EA	44" x 28" Vertically Mounted Backdraft Damper	866.34	111.89
23 33 13 23-0316	EA	32" x 40" Vertically Mounted Backdraft Damper	904.69	117.73
23 33 13 23-0317	EA	40" x 32" Vertically Mounted Backdraft Damper	666.05	38.18
23 33 13 23-0318	EA	36" x 36" Vertically Mounted Backdraft Damper	699.46	47.02
23 33 13 23-0319	EA	28" x 48" Vertically Mounted Backdraft Damper	737.79	53.03
23 33 13 23-0320	EA	48" x 28" Vertically Mounted Backdraft Damper	755.46	58.86
23 33 13 23-0321	EA	50" x 28" Vertically Mounted Backdraft Damper	797.25	64.70
23 33 13 23-0322	EA	32" x 44" Vertically Mounted Backdraft Damper	818.39	70.71
23 33 13 23-0323	EA	44" x 32" Vertically Mounted Backdraft Damper	818.39	70.71
23 33 13 23-0324	EA	36" x 40" Vertically Mounted Backdraft Damper	851.56	76.54
23 33 13 23-0325	EA	40" x 36" Vertically Mounted Backdraft Damper	823.20	88.39
23 33 13 23-0326	EA	28" x 52" Vertically Mounted Backdraft Damper	847.06	94.21
23 33 13 23-0327	EA	32" x 48" Vertically Mounted Backdraft Damper	895.73	100.05
23 33 13 23-0328	EA	48" x 32" Vertically Mounted Backdraft Damper	913.41	105.88
23 33 13 23-0329	EA	28" x 56" Vertically Mounted Backdraft Damper	943.50	111.89
23 33 13 23-0330	EA	36" x 44" Vertically Mounted Backdraft Damper	949.71	111.89
23 33 13 23-0331	EA	44" x 36" Vertically Mounted Backdraft Damper	967.38	117.73
23 33 13 23-0332	EA	40" x 40" Vertically Mounted Backdraft Damper	973.57	117.73
23 33 13 23-0333	EA	50" x 32" Vertically Mounted Backdraft Damper	743.77	41.18
23 33 13 23-0334	EA	32" x 52" Vertically Mounted Backdraft Damper	786.26	47.02
23 33 13 23-0335	EA	28" x 60" Vertically Mounted Backdraft Damper	810.13	53.03
23 33 13 23-0336	EA	36" x 48" Vertically Mounted Backdraft Damper	846.42	58.86
23 33 13 23-0337	EA	48" x 36" Vertically Mounted Backdraft Damper	864.10	64.70
23 33 13 23-0338	EA	40" x 44" Vertically Mounted Backdraft Damper	894.19	70.71
23 33 13 23-0339	EA	44" x 40" Vertically Mounted Backdraft Damper	911.86	76.54
23 33 13 23-0340	EA	32" x 56" Vertically Mounted Backdraft Damper	941.91	82.37
23 33 13 23-0341	EA	50" x 36" Vertically Mounted Backdraft Damper	885.19	88.39
23 33 13 23-0342	EA	36" x 52" Vertically Mounted Backdraft Damper	945.35	100.05
23 33 13 23-0343	EA	32" x 60" Vertically Mounted Backdraft Damper	979.56	105.88
23 33 13 23-0344	EA	40" x 48" Vertically Mounted Backdraft Damper	997.24	111.89
23 33 13 23-0345	EA	48" x 40" Vertically Mounted Backdraft Damper	997.24	111.89
23 33 13 23-0346	EA	44" x 44" Vertically Mounted Backdraft Damper	1,020.43	117.73
23 33 13 23-0347	EA	40" x 50" Vertically Mounted Backdraft Damper	1,060.15	123.55
23 33 13 23-0348	EA	50" x 40" Vertically Mounted Backdraft Damper	1,060.15	123.55
23 33 13 23-0349	EA	36" x 56" Vertically Mounted Backdraft Damper	818.17	41.18
23 33 13 23-0350	EA	32" x 64" Vertically Mounted Backdraft Damper	864.57	53.03
23 33 13 23-0351	EA	44" x 48" Vertically Mounted Backdraft Damper	904.29	58.86
23 33 13 23-0352	EA	48" x 44" Vertically Mounted Backdraft Damper	921.97	64.70
23 33 13 23-0353	EA	36" x 60" Vertically Mounted Backdraft Damper	956.18	70.71
23 33 13 23-0354	EA	32" x 68" Vertically Mounted Backdraft Damper	979.37	76.54
23 33 13 23-0355	EA	44" x 50" Vertically Mounted Backdraft Damper	910.58	82.37
23 33 13 23-0356	EA	50" x 44" Vertically Mounted Backdraft Damper	928.26	88.39
23 33 13 23-0357	EA	32" x 72" Vertically Mounted Backdraft Damper	977.27	94.21
23 33 13 23-0358	EA	36" x 64" Vertically Mounted Backdraft Damper	994.94	100.05
23 33 13 23-0359	EA	48" x 48" Vertically Mounted Backdraft Damper	1,012.62	105.88
23 33 13 23-0360	EA	48" x 50" Vertically Mounted Backdraft Damper	1,059.24	111.89
23 33 13 23-0361	EA	50" x 48" Vertically Mounted Backdraft Damper	1,076.91	117.73
23 33 13 23-0362	EA	36" x 68" Vertically Mounted Backdraft Damper	1,091.38	117.73
23 33 13 23-0363	EA	50" x 50" Vertically Mounted Backdraft Damper	1,124.73	123.55
23 33 13 23-0364	EA	36" x 72" Vertically Mounted Backdraft Damper	1,152.45	123.55
23 33 13 23-0365 Backdraft Damper Accessories (23 33 13 23)				
23 33 13 23-0366	EA	For Motor Pack For Horizontally Mounted Backdraft Damper	280.19	29.40
23 33 13 23-0367	EA	For Motor Pack For Vertically Mounted Backdraft Damper	483.40	29.40
23 33 13 33 Splitter Damper Hardware (23 33 13)				
23 33 13 33-0001	EA	Splitter Damper, Hardware	59.44	12.36
23 33 13 43 Blower Check Valve (23 33 13)				
23 33 13 43-0001 Blower Check Valves With Silicone Seals (23 33 13 43)				
23 33 13 43-0002	EA	2-1/2" Blower Check Valves, Silicone Seals	316.97	45.60
23 33 13 43-0003	EA	3" Blower Check Valves, Silicone Seals	354.37	51.97
23 33 13 43-0004	EA	4" Blower Check Valves, Silicone Seals	456.12	68.94
23 33 13 43-0005	EA	5" Blower Check Valves, Silicone Seals	623.42	79.55
23 33 13 43-0006	EA	6" Blower Check Valves, Silicone Seals	701.26	95.46
23 33 13 43-0007	EA	8" Blower Check Valves, Silicone Seals	1,035.97	120.91

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 33 13 43-0008	Blower Check Valves With Viton Seats (23 33 13 43)		
23 33 13 43-0009	EA 2-1/2" Blower Check Valves, Viton Seats	430.75	45.60
23 33 13 43-0010	EA 3" Blower Check Valves, Viton Seats	489.60	51.97
23 33 13 43-0011	EA 4" Blower Check Valves, Viton Seats	550.28	68.94
23 33 13 43-0012	EA 5" Blower Check Valves, Viton Seats	764.39	79.55
23 33 13 43-0013	EA 6" Blower Check Valves, Viton Seats	856.86	95.46
23 33 13 43-0014	EA 8" Blower Check Valves, Viton Seats	1,311.24	120.91

23 33 19 Duct Silencers (23 33)

23 33 19 00-0001	36" Long Packaged Duct Sound Trap (23 33 19)		
23 33 19 00-0002	EA 12" x 12" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	481.18	72.38
23 33 19 00-0003	EA 12" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	575.73	82.97
23 33 19 00-0004	EA 12" x 24" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	736.00	95.33
23 33 19 00-0005	EA 12" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	887.44	107.69
23 33 19 00-0006	EA 24" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	828.02	107.69
23 33 19 00-0007	EA 24" x 24" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	1,037.85	112.98
23 33 19 00-0008	EA 24" x 30" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	1,142.28	120.04
23 33 19 00-0009	EA 24" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	1,250.25	127.11
23 33 19 00-0010	EA 24" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	1,619.68	144.76
23 33 19 00-0011	EA 36" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	1,037.39	120.04
23 33 19 00-0012	EA 36" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	1,385.42	144.76
23 33 19 00-0013	EA 36" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	2,400.86	194.19
23 33 19 00-0014	EA 36" x 60" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	2,646.89	204.78
23 33 19 00-0015	EA 48" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	2,949.05	220.67
23 33 19 00-0016	EA 48" x 60" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	3,305.52	240.09

23 33 19 00-0017 60" Long Packaged Duct Sound Trap (23 33 19)

23 33 19 00-0018	EA 12" x 12" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	536.29	158.89
23 33 19 00-0019	EA 12" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	643.64	183.59
23 33 19 00-0020	EA 12" x 24" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	824.97	211.84
23 33 19 00-0021	EA 12" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	994.77	238.32
23 33 19 00-0022	EA 24" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	927.22	238.32
23 33 19 00-0023	EA 24" x 24" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,167.91	252.44
23 33 19 00-0024	EA 24" x 30" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,280.54	264.80
23 33 19 00-0025	EA 24" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,395.82	278.93
23 33 19 00-0026	EA 24" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,819.53	317.76
23 33 19 00-0027	EA 36" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,161.35	264.80
23 33 19 00-0028	EA 36" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,553.33	317.76
23 33 19 00-0029	EA 36" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	2,683.75	418.38
23 33 19 00-0030	EA 36" x 60" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	2,989.85	453.69
23 33 19 00-0031	EA 48" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	3,311.08	481.94
23 33 19 00-0032	EA 48" x 60" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	3,721.25	529.61

23 33 19 00-0033 84" Long Packaged Duct Sound Trap (23 33 19)

23 33 19 00-0034	EA 6" x 12" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	459.49	132.40
23 33 19 00-0035	EA 6" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	774.65	197.72
23 33 19 00-0036	EA 6" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,086.32	289.52
23 33 19 00-0037	EA 12" x 12" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	611.78	158.89
23 33 19 00-0038	EA 12" x 18" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	754.89	183.59
23 33 19 00-0039	EA 12" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,007.74	211.84
23 33 19 00-0040	EA 12" x 30" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,181.05	227.73
23 33 19 00-0041	EA 12" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,287.47	245.38
23 33 19 00-0042	EA 12" x 42" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,602.37	264.80
23 33 19 00-0043	EA 12" x 48" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,884.93	289.52
23 33 19 00-0044	EA 24" x 18" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,120.60	245.38
23 33 19 00-0045	EA 24" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,557.46	255.97
23 33 19 00-0046	EA 24" x 30" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,693.76	264.80
23 33 19 00-0047	EA 24" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,840.82	278.93
23 33 19 00-0048	EA 24" x 42" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	2,288.16	300.11
23 33 19 00-0049	EA 24" x 48" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	2,479.08	317.76

23 33 23 Turning Vanes (23 33)

23 33 23 00-0001	Duct Turning Vane Components (23 33 23)		
23 33 23 00-0002	LF Duct Turning Vane Rail	16.52	4.41
	<i>For Stainless Steel, Add</i>	9.58	
23 33 23 00-0003	LF Double Thick Factory Fabricated, Duct Turning Vane	14.75	1.77
	<i>For Stainless Steel, Add</i>	14.42	

23 33 23 00-0004 Duct Turning Vane Sets (23 33 23)

Note: Measured from inside corner to outside corner of ductwork.

23 33 23 00-0005	LF 12" High Duct Turning Vanes, Sets	59.24	6.62
	<i>For Stainless Steel, Add</i>	66.25	
23 33 23 00-0006	LF 14" High Duct Turning Vanes, Sets	73.29	7.06
	<i>For Stainless Steel, Add</i>	83.80	
23 33 23 00-0007	LF 16" High Duct Turning Vanes, Sets	99.60	7.41
	<i>For Stainless Steel, Add</i>	117.34	
23 33 23 00-0008	LF 18" High Duct Turning Vanes, Sets	125.98	7.95
	<i>For Stainless Steel, Add</i>	150.87	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 23 00-0009	LF	20" High Duct Turning Vanes, Sets <i>For Stainless Steel, Add</i>	139.52 167.61	8.47
23 33 23 00-0010	LF	22" High Duct Turning Vanes, Sets <i>For Stainless Steel, Add</i>	177.55 217.92	7.95
23 33 23 00-0011	LF	24" High Duct Turning Vanes, Sets <i>For Stainless Steel, Add</i>	218.08 268.20	9.35
23 33 23 00-0012	LF	26" High Duct Turning Vanes, Sets <i>For Stainless Steel, Add</i>	234.06 288.39	9.78
23 33 23 00-0013	LF	30" High Duct Turning Vanes, Sets <i>For Stainless Steel, Add</i>	261.17 323.00	10.17
23 33 33 Duct-Mounting Access Doors (23 33)				
23 33 33 00-0001		Duct Access Doors, Insulated Factory Fabrication (23 33 33)		
23 33 33 00-0002	EA	6" x 6" Duct Access Doors Insulated Factory Fabrication <i>For Stainless Steel, Add</i>	127.66 56.72	24.72
23 33 33 00-0003	EA	10" x 10" Duct Access Doors Insulated Factory Fabrication <i>For Stainless Steel, Add</i>	133.61 68.62	24.72
23 33 33 00-0004	EA	12" x 12" Duct Access Doors Insulated Factory Fabrication <i>For Stainless Steel, Add</i>	136.52 74.44	24.72
23 33 33 00-0005	EA	12" x 18" Duct Access Doors Insulated Factory Fabrication <i>For Stainless Steel, Add</i>	174.70 104.98	30.01
23 33 33 00-0006	EA	16" x 12" Duct Access Doors Insulated Factory Fabrication <i>For Stainless Steel, Add</i>	175.88 107.34	30.01
23 33 33 00-0007	EA	18" x 18" Duct Access Doors Insulated Factory Fabrication <i>For Stainless Steel, Add</i>	220.66 123.54	40.60
23 33 33 00-0008	EA	24" x 18" Duct Access Doors Insulated Factory Fabrication <i>For Stainless Steel, Add</i>	265.11 133.02	49.43
23 33 33 00-0009	EA	24" x 24" Duct Access Doors Insulated Factory Fabrication <i>For Stainless Steel, Add</i>	346.47 163.34	67.08
23 33 43 Flexible Connectors (23 33)				
23 33 43 00-0001	LF	6-1/2" Width, Galvanized Steel, Flexible Duct Connector	21.72	5.29
23 33 43 00-0002	LF	5-3/4" Width, Vinyl/Steel, Flexible Duct Connector	22.17	4.76
23 33 46 Flexible Ducts (23 33)				
23 33 46 00-0001		Flexible Duct, R8.0 Insulated With Metallized Outer Jacket (23 33 46) Note: Polyester inner liner encapsulating a corrosion resistant steel wire helix, supporting a blanket of fiberglass insulation over a fiberglass scrim and a bi-directional reinforced metallized outer vapor barrier jacket.		
23 33 46 00-0002	LF	4" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket <i>For R6.0 Insulated Flexible Duct, Deduct</i> <i>For R4.2 Insulated Flexible Duct, Deduct</i>	11.71 -1.02 -1.19	1.77
23 33 46 00-0003	LF	5" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket <i>For R6.0 Insulated Flexible Duct, Deduct</i> <i>For R4.2 Insulated Flexible Duct, Deduct</i>	12.96 -1.08 -1.26	3.53
23 33 46 00-0004	LF	6" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket <i>For R6.0 Insulated Flexible Duct, Deduct</i> <i>For R4.2 Insulated Flexible Duct, Deduct</i>	14.62 -1.10 -1.29	3.53
23 33 46 00-0005	LF	7" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket <i>For R6.0 Insulated Flexible Duct, Deduct</i> <i>For R4.2 Insulated Flexible Duct, Deduct</i>	17.01 -1.24 -1.44	3.53
23 33 46 00-0006	LF	8" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket <i>For R6.0 Insulated Flexible Duct, Deduct</i> <i>For R4.2 Insulated Flexible Duct, Deduct</i>	20.04 -1.25 -1.46	5.29
23 33 46 00-0007	LF	10" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket <i>For R6.0 Insulated Flexible Duct, Deduct</i> <i>For R4.2 Insulated Flexible Duct, Deduct</i>	25.90 -1.68 -1.96	5.29
23 33 46 00-0008	LF	12" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket <i>For R6.0 Insulated Flexible Duct, Deduct</i> <i>For R4.2 Insulated Flexible Duct, Deduct</i>	34.90 -2.00 -2.33	7.06
23 33 46 00-0009	LF	14" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket <i>For R6.0 Insulated Flexible Duct, Deduct</i> <i>For R4.2 Insulated Flexible Duct, Deduct</i>	43.43 -2.44 -2.84	7.06
23 33 46 00-0010	LF	16" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket <i>For R6.0 Insulated Flexible Duct, Deduct</i> <i>For R4.2 Insulated Flexible Duct, Deduct</i>	56.84 -2.91 -3.40	8.83
23 33 46 00-0011	LF	18" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket <i>For R6.0 Insulated Flexible Duct, Deduct</i> <i>For R4.2 Insulated Flexible Duct, Deduct</i>	69.14 -3.79 -4.42	11.47
23 33 46 00-0012	LF	20" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket <i>For R6.0 Insulated Flexible Duct, Deduct</i> <i>For R4.2 Insulated Flexible Duct, Deduct</i>	80.85 -5.72 -6.67	12.36

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 33 46 00-0013	Collars, Sheet Metal Spin-In Type With Damper (23 33 46)		
23 33 46 00-0014	EA Up To 4" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	62.89	10.59
	For Stainless Steel, Add	30.12	
23 33 46 00-0015	EA 5" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	68.86	12.36
	For Stainless Steel, Add	30.51	
23 33 46 00-0016	EA 6" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	78.85	12.36
	For Stainless Steel, Add	33.66	
23 33 46 00-0017	EA 7" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	90.26	15.88
	For Stainless Steel, Add	34.72	
23 33 46 00-0018	EA 8" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	109.61	19.42
	For Stainless Steel, Add	39.22	
23 33 46 00-0019	EA 10" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	127.99	22.95
	For Stainless Steel, Add	48.36	
23 33 46 00-0020	EA 12" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	146.00	26.48
	For Stainless Steel, Add	52.10	
23 33 46 00-0021	EA 14" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	172.00	30.01
	For Stainless Steel, Add	65.25	
23 33 46 00-0022	EA 16" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	187.31	33.54
	For Stainless Steel, Add	71.38	

23 33 53 Duct Liners (23 33)

23 33 53 00-0001	Fiberglass Duct Liner Board, Rigid, Acoustical Insulation (23 33 53)		
23 33 53 00-0002	SF 1/2" Field Installed, 3 Lb./CF, Fiberglass Duct Liner Board	13.75	3.78
23 33 53 00-0003	SF 3/4" Field Installed, 3 Lb./CF, Fiberglass Duct Liner Board	15.02	3.78
23 33 53 00-0004	SF 1" Field Installed, 3 Lb./CF, Fiberglass Duct Liner Board	16.66	5.05
23 33 53 00-0005	SF 1-1/2" Field Installed, 3 Lb./CF, Fiberglass Duct Liner Board	20.37	5.05
23 33 53 00-0006	SF 2" Field Installed, 3 Lb./CF, Fiberglass Duct Liner Board	24.57	5.68
23 33 53 00-0007	SF 1/2" Shop Installed, 3 Lb./CF, Fiberglass Duct Liner Board	16.27	5.29
23 33 53 00-0008	SF 3/4" Shop Installed, 3 Lb./CF, Fiberglass Duct Liner Board	17.81	5.29
23 33 53 00-0009	SF 1" Shop Installed, 3 Lb./CF, Fiberglass Duct Liner Board	19.77	7.06
23 33 53 00-0010	SF 1-1/2" Shop Installed, 3 Lb./CF, Fiberglass Duct Liner Board	23.99	7.06
23 33 53 00-0011	SF 2" Shop Installed, 3 Lb./CF, Fiberglass Duct Liner Board	29.07	7.95

23 33 53 00-0012 Fiberglass Duct Liner Blanket, Flexible, Acoustical Insulation (23 33 53)

23 33 53 00-0013	SF 1/2", R2, 2 Lb./CF, T200, Fiberglass Duct Liner Blanket	2.87	4.24
23 33 53 00-0014	SF 1", R3.8, 1.5 Lb./CF, T150, Fiberglass Duct Liner Blanket	3.60	4.76
23 33 53 00-0015	SF 1", R4.1, 2 Lb./CF, T200, Fiberglass Duct Liner Blanket	3.97	4.76
23 33 53 00-0016	SF 1", R4.3, 3 Lb./CF, T300, Fiberglass Duct Liner Blanket	4.99	4.76
23 33 53 00-0017	SF 1-1/2", T150, 1.5 Lb./CF, Fiberglass Duct Liner Blanket	4.25	5.29
23 33 53 00-0018	SF 2", R7.7, 1.5 Lb./CF, T150 Fiberglass Duct Liner Blanket	4.50	5.83
23 33 53 00-0019	SF 2", R8, 2 Lb./CF, T200 Fiberglass Duct Liner Blanket	6.70	5.83

23 33 56 Duct Air Extractors (23 33)

23 33 56 00-0001	EA 12" x 4" Duct Air Extractor	80.02	29.13
	For Stainless Steel, Add	28.30	
23 33 56 00-0002	EA 8" x 6" Duct Air Extractor	85.32	31.78
	For Stainless Steel, Add	28.30	
23 33 56 00-0003	EA 12" x 6" Duct Air Extractor	97.20	33.54
	For Stainless Steel, Add	39.16	
23 33 56 00-0004	EA 16" x 6" Duct Air Extractor	108.82	35.31
	For Stainless Steel, Add	49.67	
23 33 56 00-0005	EA 24" x 6" Duct Air Extractor	140.76	38.84
	For Stainless Steel, Add	82.02	
23 33 56 00-0006	EA 12" x 8" Duct Air Extractor	104.38	35.31
	For Stainless Steel, Add	43.90	
23 33 56 00-0007	EA 20" x 8" Duct Air Extractor	137.13	44.14
	For Stainless Steel, Add	63.53	
23 33 56 00-0008	EA 18" x 10" Duct Air Extractor	148.60	50.31
	For Stainless Steel, Add	62.37	
23 33 56 00-0009	EA 24" x 10" Duct Air Extractor	180.48	59.12
	For Stainless Steel, Add	80.86	
23 33 56 00-0010	EA 24" x 12" Duct Air Extractor	207.86	70.61
	For Stainless Steel, Add	86.63	
23 33 56 00-0011	EA 30" x 12" Duct Air Extractor	260.07	88.26
	For Stainless Steel, Add	108.59	

23 33 59 Duct Pressure Relief Doors (23 33)

23 33 59 00-0001	Duct Pressure Relief Doors (23 33 59)		
23 33 59 00-0002	EA 18" x 18" Duct Pressure Relief Door (Ruskin PRD18)	1,342.53	52.96
23 33 59 00-0003	EA 24" x 10" Duct Pressure Relief Door (Ruskin PRD18)	1,103.70	44.14
23 33 59 00-0004	EA 24" x 12" Duct Pressure Relief Door (Ruskin PRD18)	1,098.74	48.55

23 34 HVAC Fans (23 30)**23 34 13 Axial HVAC Fans** (23 34)

23 34 13 00-0001	Tube-Axial Fans (23 34 13)		
23 34 13 00-0002	Direct Drive Tube-Axial Duct Fans (23 34 13 00-0001)		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 13 00-0003	EA		12" Direct Drive Axial Flow Fan, 1/6 HP 1,060 CFM Constant Speed, 1/8" Static Pressure.....	2,279.58	541.95
			For 1/2" Static Pressure, Add	262.81	
			For 1/4" Static Pressure, Add	95.57	
			For 3/8" Static Pressure, Add	191.14	
23 34 13 00-0004	EA		12" Direct Drive Axial Flow Fan, 1/2 HP 2,095 CFM Constant Speed, 1/8" Static Pressure.....	2,364.91	543.57
			For 1/2" Static Pressure, Add	281.58	
			For 1/4" Static Pressure, Add	102.39	
			For 3/8" Static Pressure, Add	204.79	
23 34 13 00-0005	EA		16" Direct Drive Axial Flow Fan, 1/3 HP 2,490 CFM Constant Speed, 1/8" Static Pressure.....	2,535.57	541.95
			For 1/2" Static Pressure, Add	319.13	
			For 1/4" Static Pressure, Add	116.05	
			For 3/8" Static Pressure, Add	232.09	
23 34 13 00-0006	EA		20" Direct Drive Axial Flow Fan, 3/4 HP 4,130 CFM Constant Speed, 1/8" Static Pressure.....	2,706.23	543.57
			For 1/2" Static Pressure, Add	356.68	
			For 1/4" Static Pressure, Add	129.70	
			For 3/8" Static Pressure, Add	259.40	
23 34 13 00-0007	EA		22" Direct Drive Axial Flow Fan, 3/4 HP 4,700 CFM Constant Speed, 1/8" Static Pressure.....	3,179.20	650.99
			For 1/2" Static Pressure, Add	412.99	
			For 1/4" Static Pressure, Add	150.18	
			For 3/8" Static Pressure, Add	300.36	
23 34 13 00-0008	EA		24" Direct Drive Axial Flow Fan, 1 HP 5,850 CFM Constant Speed, 1/8" Static Pressure.....	3,633.74	707.95
			For 1/2" Static Pressure, Add	488.08	
			For 1/4" Static Pressure, Add	177.48	
			For 3/8" Static Pressure, Add	354.97	
23 34 13 00-0009	EA		24" Direct Drive Axial Flow Fan, 1-1/2 HP 7,925 CFM Constant Speed, 1/8" Static Pressure	3,853.85	774.68
			For 1/2" Static Pressure, Add	506.85	
			For 1/4" Static Pressure, Add	184.31	
			For 3/8" Static Pressure, Add	368.62	
23 34 13 00-0010	EA		30" Direct Drive Axial Flow Fan, 1 HP 10,640 CFM Constant Speed, 1/8" Static Pressure.....	4,357.99	813.74
			For 1/2" Static Pressure, Add	600.71	
			For 1/4" Static Pressure, Add	218.44	
			For 3/8" Static Pressure, Add	436.88	
23 34 13 00-0011	EA		30" Direct Drive Axial Flow Fan, 2-1/2 HP 14,765 CFM Constant Speed, 1/8" Static Pressure.....	5,276.83	1,017.16
			For 1/2" Static Pressure, Add	713.35	
			For 1/4" Static Pressure, Add	259.40	
			For 3/8" Static Pressure, Add	518.80	
23 34 13 00-0012	EA		36" Direct Drive Axial Flow Fan, 2 HP 16,780 CFM Constant Speed, 1/8" Static Pressure.....	5,924.43	1,085.52
			For 1/2" Static Pressure, Add	825.98	
			For 1/4" Static Pressure, Add	300.36	
			For 3/8" Static Pressure, Add	600.72	
23 34 13 00-0013	EA		36" Direct Drive Axial Flow Fan, 5 HP 22,920 CFM Constant Speed, 1/8" Static Pressure.....	6,940.90	1,251.52
			For 1/2" Static Pressure, Add	976.16	
			For 1/4" Static Pressure, Add	354.97	
			For 3/8" Static Pressure, Add	709.94	
23 34 13 00-0014 Belt Drive Tube-Axial Duct Fans (23 34 13 00-0001)					
23 34 13 00-0015	EA		15" Belt Drive Axial Flow Fan, 1/3 HP 2,800 CFM Constant Speed, 1/8" Static Pressure.....	2,167.58	525.68
			For 1/2" Static Pressure, Add	245.87	
			For 1/4" Static Pressure, Add	89.41	
			For 3/8" Static Pressure, Add	178.82	
23 34 13 00-0016	EA		15" Belt Drive Axial Flow Fan, 1/2 HP 3,400 CFM Constant Speed, 1/8" Static Pressure.....	2,290.81	543.57
			For 1/2" Static Pressure, Add	265.28	
			For 1/4" Static Pressure, Add	96.47	
			For 3/8" Static Pressure, Add	192.93	
23 34 13 00-0017	EA		18" Belt Drive Axial Flow Fan, 1/3 HP 3,280 CFM Constant Speed, 1/8" Static Pressure.....	2,367.43	561.47
			For 1/2" Static Pressure, Add	273.91	
			For 1/4" Static Pressure, Add	99.60	
			For 3/8" Static Pressure, Add	199.21	
23 34 13 00-0018	EA		18" Belt Drive Axial Flow Fan, 1/2 HP 3,900 CFM Constant Speed, 1/8" Static Pressure.....	2,499.02	581.01
			For 1/2" Static Pressure, Add	294.04	
			For 1/4" Static Pressure, Add	106.92	
			For 3/8" Static Pressure, Add	213.85	
23 34 13 00-0019	EA		18" Belt Drive Axial Flow Fan, 1 HP 5,250 CFM Constant Speed, 1/8" Static Pressure.....	2,790.42	603.79
			For 1/2" Static Pressure, Add	348.68	
			For 1/4" Static Pressure, Add	126.79	
			For 3/8" Static Pressure, Add	253.58	
23 34 13 00-0020	EA		24" Belt Drive Axial Flow Fan, 1/2 HP 4,800 CFM Constant Speed, 1/8" Static Pressure.....	2,938.10	626.57
			For 1/2" Static Pressure, Add	370.96	
			For 1/4" Static Pressure, Add	134.90	
			For 3/8" Static Pressure, Add	269.79	
23 34 13 00-0021	EA		24" Belt Drive Axial Flow Fan, 1 HP 6,430 CFM Constant Speed, 1/8" Static Pressure.....	3,262.66	650.99
			For 1/2" Static Pressure, Add	431.35	
			For 1/4" Static Pressure, Add	156.86	
			For 3/8" Static Pressure, Add	313.71	
23 34 13 00-0022	EA		24" Belt Drive Axial Flow Fan, 2 HP 8,860 CFM Constant Speed, 1/8" Static Pressure.....	3,636.00	650.99
			For 1/2" Static Pressure, Add	513.94	
			For 1/4" Static Pressure, Add	186.89	
			For 3/8" Static Pressure, Add	373.78	
23 34 13 00-0023	EA		30" Belt Drive Axial Flow Fan, 1 HP 9,250 CFM Constant Speed, 1/8" Static Pressure.....	4,190.39	707.95
			For 1/2" Static Pressure, Add	611.08	
			For 1/4" Static Pressure, Add	222.21	
			For 3/8" Static Pressure, Add	444.42	
23 34 13 00-0024	EA		30" Belt Drive Axial Flow Fan, 5 HP 16,900 CFM Constant Speed, 1/8" Static Pressure.....	4,977.34	857.68
			For 1/2" Static Pressure, Add	718.92	
			For 1/4" Static Pressure, Add	261.43	
			For 3/8" Static Pressure, Add	522.85	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 34 HVAC Fans**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 34 13 00-0025	EA	30" Belt Drive Axial Flow Fan, 5 HP 16,150 CFM Constant Speed, 1/8" Static Pressure	5,610.25	857.68
		For 1/2" Static Pressure, Add	856.57	
		For 1/4" Static Pressure, Add	311.48	
		For 3/8" Static Pressure, Add	622.96	
23 34 13 00-0026	EA	36" Belt Drive Axial Flow Fan, 3/4 HP 8,090 CFM Constant Speed, 1/8" Static Pressure	6,155.69	904.87
		For 1/2" Static Pressure, Add	956.43	
		For 1/4" Static Pressure, Add	347.79	
		For 3/8" Static Pressure, Add	695.58	
23 34 13 00-0027	EA	36" Belt Drive Axial Flow Fan, 2 HP 14,475 CFM Constant Speed, 1/8" Static Pressure	6,707.29	956.96
		For 1/2" Static Pressure, Add	1,055.37	
		For 1/4" Static Pressure, Add	383.77	
		For 3/8" Static Pressure, Add	767.54	
23 34 13 00-0028	EA	36" Belt Drive Axial Flow Fan, 7-1/2 HP 14,475 CFM Constant Speed, 1/8" Static Pressure	7,724.64	1,251.52
		For 1/2" Static Pressure, Add	1,150.27	
		For 1/4" Static Pressure, Add	418.28	
		For 3/8" Static Pressure, Add	836.56	
23 34 13 00-0029	EA	36" Belt Drive Axial Flow Fan, 5 HP 20,080 CFM Constant Speed, 1/8" Static Pressure	8,725.74	1,253.15
		For 1/2" Static Pressure, Add	1,370.52	
		For 1/4" Static Pressure, Add	498.37	
		For 3/8" Static Pressure, Add	996.74	
23 34 13 00-0030	EA	42" Belt Drive Axial Flow Fan, 7-1/2 HP 29,000 CFM Constant Speed, 1/8" Static Pressure	9,889.38	1,479.04
		For 1/2" Static Pressure, Add	1,527.04	
		For 1/4" Static Pressure, Add	555.29	
		For 3/8" Static Pressure, Add	1,110.57	

23 34 16 Centrifugal HVAC Fans (23 34)**23 34 16 00-0001 Centrifugal Fans (23 34 16)**

Note: All belt fans to be supplied with belt guard.

23 34 16 00-0002 Utility Backward Inclined Steel Wheel Centrifugal Fans (23 34 16 00-0001)

Note: V-belt driven.

23 34 16 00-0003 Industrial Type Utility Backward Centrifugal Fans (23 34 16 00-0002)

Note: Under 30" diameter wheel.

23 34 16 00-0004 12-1/4" Diameter Wheel 650 To 2,950 CFM At 1/8" Static Pressure (23 34 16 00-0003)

23 34 16 00-0005	EA	1/6 HP, 12-1/4" Wheel, 450 To 1,750 CFM At 1/8" Static Pressure, Centrifugal Fan	1,406.55	357.56
23 34 16 00-0006	EA	1/4 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	1,945.09	371.06
23 34 16 00-0007	EA	1/3 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	2,006.11	295.71
23 34 16 00-0008	EA	1/2 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	2,093.71	405.24
23 34 16 00-0009	EA	3/4 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	2,152.48	429.65
23 34 16 00-0010	EA	1 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	2,223.44	447.55
23 34 16 00-0011	EA	1-1/2 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	2,300.64	476.85

23 34 16 00-0012 13-1/2" Diameter Wheel 734 To 3,343 CFM At 1/8" Static Pressure (23 34 16 00-0003)

23 34 16 00-0013	EA	1/4 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,224.19	390.59
23 34 16 00-0014	EA	1/3 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,268.30	405.24
23 34 16 00-0015	EA	1/2 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,348.67	429.65
23 34 16 00-0016	EA	3/4 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,397.56	447.55
23 34 16 00-0017	EA	1 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,486.31	476.85
23 34 16 00-0018	EA	1-1/2 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,570.73	499.64

23 34 16 00-0019 15" Diameter Wheel 1,258 To 4,146 CFM At 1/8" Static Pressure (23 34 16 00-0003)

23 34 16 00-0020	EA	1/4 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,246.53	405.24
23 34 16 00-0021	EA	1/3 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,305.15	429.65
23 34 16 00-0022	EA	1/2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,375.79	447.55
23 34 16 00-0023	EA	3/4 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,442.77	476.85
23 34 16 00-0024	EA	1 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,519.95	499.64
23 34 16 00-0025	EA	1-1/2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,631.13	537.06
23 34 16 00-0026	EA	2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,717.47	564.73

23 34 16 00-0027 16-1/2" Diameter Wheel 977 To 4,711 CFM At 1/8" Static Pressure (23 34 16 00-0003)

23 34 16 00-0028	EA	1/4 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,555.44	429.65
23 34 16 00-0029	EA	1/3 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,648.70	447.55
23 34 16 00-0030	EA	1/2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,757.04	476.85
23 34 16 00-0031	EA	3/4 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,817.31	499.64
23 34 16 00-0032	EA	1 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,900.73	537.06
23 34 16 00-0033	EA	1-1/2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,970.18	564.73
23 34 16 00-0034	EA	2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	3,291.50	613.56

23 34 16 00-0035 18-1/4" Diameter Wheel 2,193 To 6,498 CFM At 1/8" Static Pressure (23 34 16 00-0003)

23 34 16 00-0036	EA	1/4 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,642.42	447.55
23 34 16 00-0037	EA	1/3 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,714.83	476.85
23 34 16 00-0038	EA	1/2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,802.90	499.64
23 34 16 00-0039	EA	3/4 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,881.44	537.06
23 34 16 00-0040	EA	1 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,978.66	564.73
23 34 16 00-0041	EA	1-1/2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	3,128.27	613.56
23 34 16 00-0042	EA	2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	3,228.16	650.99
23 34 16 00-0043	EA	3 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	3,381.83	716.09

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0044		20" Diameter Wheel 2,412 To 7,364 CFM At 1/8" Static Pressure (23 34 16 00-0003)		
23 34 16 00-0045	EA	1/4 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,682.19	476.85
23 34 16 00-0046	EA	1/3 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,770.23	499.64
23 34 16 00-0047	EA	1/2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,881.44	537.06
23 34 16 00-0048	EA	3/4 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,978.66	564.73
23 34 16 00-0049	EA	1 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	3,160.91	613.56
23 34 16 00-0050	EA	1-1/2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	3,400.71	650.99
23 34 16 00-0051	EA	2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	3,587.99	716.09
23 34 16 00-0052	EA	3 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	3,774.32	766.54
23 34 16 00-0053		22-1/4" Diameter Wheel 2,265 To 8,483 CFM At 1/8" Static Pressure (23 34 16 00-0003)		
23 34 16 00-0054	EA	1/4 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,187.41	499.64
23 34 16 00-0055	EA	1/3 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,260.84	537.06
23 34 16 00-0056	EA	1/2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,350.48	564.73
23 34 16 00-0057	EA	3/4 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,469.26	613.56
23 34 16 00-0058	EA	1 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,613.56	650.99
23 34 16 00-0059	EA	1-1/2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,687.73	716.09
23 34 16 00-0060	EA	2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,796.08	766.54
23 34 16 00-0061	EA	3 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,989.97	859.30
23 34 16 00-0062		24-1/2" Diameter Wheel 3,055 To 11,380 CFM At 1/8" Static Pressure (23 34 16 00-0003)		
23 34 16 00-0063	EA	1/4 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	3,802.83	537.06
23 34 16 00-0064	EA	1/2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	3,955.34	613.56
23 34 16 00-0065	EA	3/4 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	4,087.88	650.99
23 34 16 00-0066	EA	1 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	4,240.94	716.09
23 34 16 00-0067	EA	1-1/2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	4,372.85	766.54
23 34 16 00-0068	EA	2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	4,512.34	859.30
23 34 16 00-0069	EA	3 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	4,679.98	934.16
23 34 16 00-0070	EA	5 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	5,055.49	1,074.13
23 34 16 00-0071		27" Diameter Wheel 2,734 To 13,266 CFM At 1/8" Static Pressure (23 34 16 00-0003)		
23 34 16 00-0072	EA	1/4 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	4,199.33	564.73
23 34 16 00-0073	EA	1/2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	4,359.96	650.99
23 34 16 00-0074	EA	3/4 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	4,513.00	716.09
23 34 16 00-0075	EA	1 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	4,644.93	766.54
23 34 16 00-0076	EA	1-1/2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	4,838.82	859.30
23 34 16 00-0077	EA	2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	5,006.13	934.16
23 34 16 00-0078	EA	3 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	5,404.76	1,074.13
23 34 16 00-0079	EA	5 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	5,508.39	1,192.93
23 34 16 00-0080		Large Industrial Type Utility Backward Centrifugal Fans (23 34 16 00-0002) Note: Over 30" diameter wheel.		
23 34 16 00-0081		30" Diameter Wheel 4,926 To 17,456 CFM At 1/8" Static Pressure (23 34 16 00-0080)		
23 34 16 00-0082	EA	1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	5,846.13	716.09
23 34 16 00-0083	EA	3/4 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	5,973.77	766.54
23 34 16 00-0084	EA	1 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	6,177.39	859.30
23 34 16 00-0085	EA	1-1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	6,355.57	934.16
23 34 16 00-0086	EA	2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	6,633.48	1,074.13
23 34 16 00-0087	EA	3 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	6,879.60	1,192.93
23 34 16 00-0088	EA	5 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	7,306.57	1,432.17
23 34 16 00-0089	EA	7-1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	7,698.02	1,651.88
23 34 16 00-0090		33" Diameter Wheel 5,734 To 19,799 CFM At 1/8" Static Pressure (23 34 16 00-0080)		
23 34 16 00-0091	EA	1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	6,821.46	766.54
23 34 16 00-0092	EA	3/4 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	7,069.76	859.30
23 34 16 00-0093	EA	1 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	7,291.82	934.16
23 34 16 00-0094	EA	1-1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	7,612.93	1,074.13
23 34 16 00-0095	EA	2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	7,902.59	1,192.93
23 34 16 00-0096	EA	3 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	8,373.06	1,432.17
23 34 16 00-0097	EA	5 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	8,875.85	1,651.88
23 34 16 00-0098	EA	7-1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	9,675.70	2,148.26
23 34 16 00-0099		36-1/2" Diameter Wheel 5,388 To 22,500 CFM At 1/8" Static Pressure (23 34 16 00-0080)		
23 34 16 00-0100	EA	1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	7,300.50	859.30
23 34 16 00-0101	EA	3/4 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	7,529.06	934.16
23 34 16 00-0102	EA	1 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	8,209.28	1,074.13
23 34 16 00-0103	EA	1-1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	8,679.61	1,192.93
23 34 16 00-0104	EA	2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	9,302.70	1,432.17
23 34 16 00-0105	EA	3 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	9,798.64	1,651.88
23 34 16 00-0106	EA	5 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	10,855.52	2,148.26
23 34 16 00-0107	EA	7-1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	11,799.27	2,685.32
23 34 16 00-0108		Kitchen System Fans (23 34 16 00-0001)		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 34 HVAC Fans**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 34 16 00-0109	Upblast Kitchen Exhaust Fans (23 34 16 00-0108)		
23 34 16 00-0110	Direct Drive Kitchen Upblast Exhaust Fans (23 34 16 00-0109)		
	Note: Greenheck CUE.		
23 34 16 00-0111	EA Up To 12" Wheel Diameter, 1/6 HP Direct Drive, Kitchen Upblast Exhaust Fan.....	1,503.86	211.57
	Note: 115V. For roof or wall installations. Includes disconnect switch.		
	For Bird Screen, Add	61.24	
	For Backdraft Damper, Add	189.21	
	For Damper Motor, Add	302.66	
23 34 16 00-0112	EA 14" Wheel Diameter, 1/4 HP Direct Drive, Kitchen Upblast Exhaust Fan	1,747.14	211.57
	Note: 115V. For roof or wall installations. Includes disconnect switch.		
	For Bird Screen, Add	61.24	
	For Backdraft Damper, Add	189.21	
	For Damper Motor, Add	302.66	
23 34 16 00-0113	Belt Drive Kitchen Upblast Exhaust Fans (23 34 16 00-0109)		
	Note: Greenheck CUBE.		
23 34 16 00-0114	EA 10" Diameter Wheel, Up To 1/3 HP, 1,458 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	2,515.74	211.57
	Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
	For Hinged Curb Kit, Add	177.87	
	For Grease Trap Kit, Add	76.41	
	For Totally Enclosed Motor, Add	85.00	
	For 3 Phase Motor, Deduct	-50.00	
	For Bird Screen, Add	61.24	
	For Wall Mounted Fan, Add	100.63	
	For Backdraft Damper, Add	189.21	
	For Damper Motor, Add	302.66	
23 34 16 00-0115	EA 12" Diameter Wheel, 1/2 HP, 1,923 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	2,621.32	211.57
	Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
	For Hinged Curb Kit, Add	186.85	
	For Grease Trap Kit, Add	76.41	
	For Totally Enclosed Motor, Add	85.00	
	For 3 Phase Motor, Deduct	-50.00	
	For Bird Screen, Add	61.24	
	For Wall Mounted Fan, Add	104.85	
	For Backdraft Damper, Add	189.21	
	For Damper Motor, Add	302.66	
23 34 16 00-0116	EA 14" Diameter Wheel, 1/3 HP, 2,006 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	2,278.88	244.12
	Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
	For Hinged Curb Kit, Add	152.20	
	For Grease Trap Kit, Add	76.41	
	For Totally Enclosed Motor, Add	85.00	
	For 3 Phase Motor, Deduct	-50.00	
	For Bird Screen, Add	69.68	
	For Wall Mounted Fan, Add	91.16	
	For Backdraft Damper, Add	214.66	
	For Damper Motor, Add	302.66	
23 34 16 00-0117	EA 14" Diameter Wheel, 1 HP, 2,757 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	2,430.91	244.12
	Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
	For Hinged Curb Kit, Add	165.13	
	For Grease Trap Kit, Add	76.41	
	For Totally Enclosed Motor, Add	85.00	
	For 3 Phase Motor, Deduct	-50.00	
	For Bird Screen, Add	69.68	
	For Wall Mounted Fan, Add	97.24	
	For Backdraft Damper, Add	214.66	
	For Damper Motor, Add	302.66	
23 34 16 00-0118	EA 16" Diameter Wheel, 1/2 HP, 2,940 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	3,078.19	284.81
	Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
	For Hinged Curb Kit, Add	213.23	
	For Grease Trap Kit, Add	76.41	
	For Totally Enclosed Motor, Add	85.00	
	For 3 Phase Motor, Deduct	-50.00	
	For Bird Screen, Add	69.68	
	For Wall Mounted Fan, Add	123.13	
	For Backdraft Damper, Add	214.66	
	For Damper Motor, Add	302.66	
23 34 16 00-0119	EA 16" Diameter Wheel, 1 HP, 3,129 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	3,240.78	284.81
	Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
	For Hinged Curb Kit, Add	227.05	
	For Grease Trap Kit, Add	76.41	
	For Totally Enclosed Motor, Add	85.00	
	For 3 Phase Motor, Deduct	-50.00	
	For Bird Screen, Add	69.68	
	For Wall Mounted Fan, Add	129.63	
	For Backdraft Damper, Add	214.66	
	For Damper Motor, Add	302.66	
23 34 16 00-0120	EA 18" Diameter Wheel, 1/2 HP, 3,243 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	3,528.53	305.15
	Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
	For Hinged Curb Kit, Add	248.05	
	For Grease Trap Kit, Add	76.41	
	For Totally Enclosed Motor, Add	85.00	
	For 3 Phase Motor, Deduct	-50.00	
	For Bird Screen, Add	116.14	
	For Wall Mounted Fan, Add	141.14	
	For Backdraft Damper, Add	266.12	
	For Damper Motor, Add	302.66	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0121	EA		18" Diameter Wheel, 1 HP, 4,223 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	3,781.92	305.15
			Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
			For Hinged Curb Kit, Add	269.59	
			For Grease Trap Kit, Add	76.41	
			For Totally Enclosed Motor, Add	85.00	
			For 3 Phase Motor, Deduct	-50.00	
			For Bird Screen, Add	116.14	
			For Wall Mounted Fan, Add	151.28	
			For Backdraft Damper, Add	266.12	
			For Damper Motor, Add	302.66	
23 34 16 00-0122	EA		20" Diameter Wheel, 3/4 HP, 4,438 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	3,852.18	325.50
			Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
			For Hinged Curb Kit, Add	272.10	
			For Grease Trap Kit, Add	76.41	
			For Totally Enclosed Motor, Add	85.00	
			For 3 Phase Motor, Deduct	-50.00	
			For Bird Screen, Add	116.14	
			For Wall Mounted Fan, Add	154.09	
			For Backdraft Damper, Add	266.12	
			For Damper Motor, Add	302.66	
23 34 16 00-0123	EA		20" Diameter Wheel, 2 HP, 6,450 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	4,209.04	325.50
			Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
			For Hinged Curb Kit, Add	302.43	
			For Grease Trap Kit, Add	76.41	
			For Totally Enclosed Motor, Add	85.00	
			For 3 Phase Motor, Deduct	-50.00	
			For Bird Screen, Add	116.14	
			For Wall Mounted Fan, Add	168.36	
			For Backdraft Damper, Add	266.12	
			For Damper Motor, Add	302.66	
23 34 16 00-0124	EA		24" Diameter Wheel, 3/4 HP, 5,460 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	4,843.65	366.18
			Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
			For Hinged Curb Kit, Add	349.46	
			For Grease Trap Kit, Add	76.41	
			For Totally Enclosed Motor, Add	85.00	
			For 3 Phase Motor, Deduct	-50.00	
			For Bird Screen, Add	137.25	
			For Wall Mounted Fan, Add	193.75	
			For Backdraft Damper, Add	288.69	
			For Damper Motor, Add	302.66	
23 34 16 00-0125	EA		24" Diameter Wheel, 2 HP, 7,985 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	5,170.94	366.18
			Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
			For Hinged Curb Kit, Add	377.28	
			For Grease Trap Kit, Add	76.41	
			For Totally Enclosed Motor, Add	85.00	
			For 3 Phase Motor, Deduct	-50.00	
			For Bird Screen, Add	137.25	
			For Wall Mounted Fan, Add	206.84	
			For Backdraft Damper, Add	288.69	
			For Damper Motor, Add	302.66	
23 34 16 00-0126	EA		30" Diameter Wheel, 3/4 HP, 7,771 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	6,115.97	406.87
			Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
			For Hinged Curb Kit, Add	450.69	
			For Grease Trap Kit, Add	76.41	
			For Totally Enclosed Motor, Add	85.00	
			For Bird Screen, Add	147.81	
			For Wall Mounted Fan, Add	244.64	
			For Backdraft Damper, Add	319.92	
			For Damper Motor, Add	302.66	
23 34 16 00-0127	EA		30" Diameter Wheel, 2 HP, 10,192 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	6,223.66	406.87
			Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
			For Hinged Curb Kit, Add	459.84	
			For Grease Trap Kit, Add	76.41	
			For Totally Enclosed Motor, Add	85.00	
			For Bird Screen, Add	147.81	
			For Wall Mounted Fan, Add	248.95	
			For Backdraft Damper, Add	319.92	
			For Damper Motor, Add	302.66	
23 34 16 00-0128	EA		30" Diameter Wheel, 3 HP, 11,903 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	6,770.56	406.87
			Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
			For Hinged Curb Kit, Add	506.33	
			For Grease Trap Kit, Add	76.41	
			For Totally Enclosed Motor, Add	85.00	
			For Bird Screen, Add	147.81	
			For Wall Mounted Fan, Add	270.82	
			For Backdraft Damper, Add	319.92	
			For Damper Motor, Add	302.66	
23 34 16 00-0129	EA		30" Diameter Wheel, 5 HP, 14,266 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	7,034.51	406.87
			Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
			For Hinged Curb Kit, Add	528.77	
			For Grease Trap Kit, Add	76.41	
			For Totally Enclosed Motor, Add	85.00	
			For Bird Screen, Add	147.81	
			For Wall Mounted Fan, Add	281.38	
			For Backdraft Damper, Add	319.92	
			For Damper Motor, Add	302.66	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
23 34 16 00-0130	EA 36" Diameter Wheel, 3 HP , 14,769 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	7,745.46		447.55	
	Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.				
	For Hinged Curb Kit, Add	582.28			
	For Grease Trap Kit, Add	76.41			
	For Totally Enclosed Motor, Add	85.00			
	For Bird Screen, Add	168.93			
	For Wall Mounted Fan, Add	309.82			
	For Damper Motor, Add	302.66			
	For Backdraft Damper, Add	374.65			
23 34 16 00-0131	EA 36" Diameter Wheel, 5 HP , 17,884 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	8,049.00		447.55	
	Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.				
	For Hinged Curb Kit, Add	608.08			
	For Grease Trap Kit, Add	76.41			
	For Totally Enclosed Motor, Add	85.00			
	For Bird Screen, Add	168.93			
	For Wall Mounted Fan, Add	321.96			
	For Damper Motor, Add	302.66			
	For Backdraft Damper, Add	374.65			
23 34 16 00-0132	EA 42" Diameter Wheel, 3 HP , 17,316 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	8,138.86		488.24	
	Note: 230/460/60/3. Includes bird screen, heat baffle, grease baffle and disconnect switch.				
	For Hinged Curb Kit, Add	608.81			
	For Grease Trap Kit, Add	76.41			
	For Totally Enclosed Motor, Add	85.00			
	For Bird Screen, Add	168.93			
	For Damper Motor, Add	302.66			
	For Backdraft Damper, Add	433.43			
23 34 16 00-0133	EA 42" Diameter Wheel, 7-1/2 HP , 24,604 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	8,805.28		488.24	
	Note: 230/460/60/3. Includes bird screen, heat baffle, grease baffle and disconnect switch.				
	For Hinged Curb Kit, Add	665.45			
	For Grease Trap Kit, Add	76.41			
	For Totally Enclosed Motor, Add	85.00			
	For Bird Screen, Add	168.93			
	For Damper Motor, Add	302.66			
	For Backdraft Damper, Add	433.43			
23 34 16 00-0134	Untempered Kitchen Make-Up Air Fans (23 34 16 00-0108)				
	Note: Roof mounted with downblast discharge, weatherhood and filter.				
23 34 16 00-0135	Direct Drive Kitchen Make-Up Air Fans (23 34 16 00-0134)				
23 34 16 00-0136	EA 7" Diameter Wheel, 1/2 HP Direct Drive, Kitchen Make-Up Air Fan	1,728.43		211.57	
	Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.				
	For Extended Weatherhood, Add	301.54			
23 34 16 00-0137	EA 8" Diameter Wheel, 1 HP Direct Drive, Kitchen Make-Up Air Fan	1,811.08		211.57	
	Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.				
	For Extended Weatherhood, Add	313.93			
23 34 16 00-0138	EA 9" Diameter Wheel, 1 HP Direct Drive, Kitchen Make-Up Air Fan	1,912.50		211.57	
	Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.				
	For Extended Weatherhood, Add	329.15			
23 34 16 00-0139	Belt Drive Kitchen Make-Up Air Fans (23 34 16 00-0134)				
23 34 16 00-0140	EA 9" Diameter Wheel, 1/2 HP Belt Drive, Kitchen Make-Up Air Fan.....	1,951.84		211.57	
	Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.				
	For Extended Weatherhood, Add	335.05			
23 34 16 00-0141	EA 10" Diameter Wheel, 1-1/2 HP Belt Drive, Kitchen Make-Up Air Fan	2,211.12		284.81	
	Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.				
	For Extended Weatherhood, Add	388.63			
23 34 16 00-0142	EA 12" Diameter Wheel, 2 HP Belt Drive, Kitchen Make-Up Air Fan.....	2,657.01		325.50	
	Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.				
	For Extended Weatherhood, Add	463.65			
23 34 16 00-0143	EA 15" Diameter Wheel, 3 HP Belt Drive, Kitchen Make-Up Air Fan.....	3,094.27		406.87	
	Note: 230/460/60/3. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.				
	For Extended Weatherhood, Add	545.51			
23 34 16 00-0144	EA 18" Diameter Wheel, 5 HP Belt Drive, Kitchen Make-Up Air Fan.....	3,742.60		488.24	
	Note: 230/460/60/3. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.				
	For Extended Weatherhood, Add	659.03			
23 34 16 00-0145	Replacement Parts (23 34 16 00-0001)				
23 34 16 00-0146	Replace Belts And Accessories (23 34 16 00-0145)				
23 34 16 00-0147	EA Fan Shaft Bearing, Replacement.....	916.43		408.60	
23 34 16 00-0148	EA Fan Belt, Replacement	150.59		55.42	
23 34 16 00-0149	Corrosive Fume Resistant Plastic (23 34 16 00-0001)				
23 34 16 00-0150	Centrifugal Roof Ventilators, Belt Drive, 1/4" Static Pressure (23 34 16 00-0149)				
23 34 16 00-0151	EA 250 CFM, 1/4 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic.....	6,668.14		293.93	
	For Explosion Proof Motor, Add	912.05			
23 34 16 00-0152	EA 895 CFM, 1/3 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic.....	7,260.22		353.07	
	For Explosion Proof Motor, Add	983.11			
23 34 16 00-0153	EA 1,630 CFM, 1/2 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic.....	8,621.23		441.34	
	For Explosion Proof Motor, Add	1,160.78			

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0154	EA	2,240 CFM, 1 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic..... <i>For Explosion Proof Motor, Add</i>	9,310.98 1,220.01	588.74
23 34 16 00-0155	EA	3,810 CFM, 2 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic..... <i>For Explosion Proof Motor, Add</i>	10,767.34 1,350.30	882.67
23 34 16 00-0156	EA	11,760 CFM, 5 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic..... <i>For Explosion Proof Motor, Add</i>	18,691.95 2,274.19	1,765.34
23 34 16 00-0157	EA	18,810 CFM, 10 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic..... <i>For Explosion Proof Motor, Add</i>	27,236.18 3,328.37	2,523.56
23 34 16 00-0158		Utility Set, Centrifugal, Belt Drive (23 34 16 00-0149)		
23 34 16 00-0159	EA	1,200 CFM, 1/4 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic..... <i>For Explosion Proof Motor, Add</i>	6,668.14 912.05	293.93
23 34 16 00-0160	EA	1,520 CFM, 1/3 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic..... <i>For Explosion Proof Motor, Add</i>	6,865.39 923.89	353.07
23 34 16 00-0161	EA	1,850 CFM, 1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic..... <i>For Explosion Proof Motor, Add</i>	7,041.93 923.89	441.34
23 34 16 00-0162	EA	2,180 CFM, 3/4 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic..... <i>For Explosion Proof Motor, Add</i>	7,336.86 923.89	588.74
23 34 16 00-0163	EA	3,600 CFM, 1 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic..... <i>For Explosion Proof Motor, Add</i>	10,135.62 1,255.54	882.67
23 34 16 00-0164	EA	4,250 CFM, 1-1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic..... <i>For Explosion Proof Motor, Add</i>	10,576.97 1,255.54	1,103.34
23 34 16 00-0165	EA	4,800 CFM, 2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic..... <i>For Explosion Proof Motor, Add</i>	10,895.41 1,255.54	1,262.57
23 34 16 00-0166	EA	6,920 CFM, 5 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic..... <i>For Explosion Proof Motor, Add</i>	11,176.23 1,279.23	1,324.01
23 34 16 00-0167	EA	7,700 CFM, 7-1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic..... <i>For Explosion Proof Motor, Add</i>	11,549.42 1,291.08	1,471.06
23 34 16 00-0168		In-Line Duct Fans (23 34 16 00-0001)		
23 34 16 00-0169		Direct Drive In-Line Duct Fans (23 34 16 00-0168) Note: Greenheck SQ.		
23 34 16 00-0170	EA	Up To 10" Wheel Diameter, 1/16 HP Direct Drive, In Line Duct Fan Note: 115V. Includes disconnect switch.	1,780.20	211.57
23 34 16 00-0171	EA	13" Wheel Diameter, 1/6 HP Direct Drive, In Line Duct Fan Note: 115V. Includes disconnect switch.	2,254.94	227.85
23 34 16 00-0172	EA	14" Wheel Diameter, 1/3 HP Direct Drive, In Line Duct Fan Note: 115V. Includes disconnect switch.	2,469.96	244.12
23 34 16 00-0173		Belt Drive In-Line Duct Fans (23 34 16 00-0168) Note: Greenheck BSQ.		
23 34 16 00-0174	EA	Up To 12" Wheel Diameter, 1/4 HP Belt Drive, In Line Duct Fan Note: 115/208-230/60/1. Includes disconnect switch. <i>For 3 Phase Motor, Deduct</i> <i>For Totally Enclosed Motor, Add</i>	2,575.51 -50.00 85.00	244.12
23 34 16 00-0175	EA	13" Or 14" Wheel Diameter, 1/4 HP Belt Drive, In Line Duct Fan Note: 115/208-230/60/1. Includes disconnect switch. <i>For 3 Phase Motor, Deduct</i> <i>For Totally Enclosed Motor, Add</i>	2,962.13 -50.00 85.00	284.81
23 34 16 00-0176	EA	13" Or 14" Wheel Diameter, 3/4 HP Belt Drive, In Line Duct Fan Note: 115/208-230/60/1. Includes disconnect switch. <i>For 3 Phase Motor, Deduct</i> <i>For Totally Enclosed Motor, Add</i>	3,314.40 -50.00 85.00	284.81
23 34 16 00-0177	EA	13" Or 14" Wheel Diameter, 1-1/2 HP Belt Drive, In Line Duct Fan Note: 115/208-230/60/1. Includes disconnect switch. <i>For 3 Phase Motor, Deduct</i> <i>For Totally Enclosed Motor, Add</i>	3,613.89 -50.00 85.00	284.81
23 34 16 00-0178	EA	16" Or 18" Wheel Diameter, 1/3 HP Belt Drive, In Line Duct Fan Note: 115/208-230/60/1. Includes disconnect switch. <i>For 3 Phase Motor, Deduct</i> <i>For Totally Enclosed Motor, Add</i>	3,542.66 -50.00 85.00	325.50
23 34 16 00-0179	EA	16" Or 18" Wheel Diameter, 1-1/2 HP Belt Drive, In Line Duct Fan Note: 115/208-230/60/1. Includes disconnect switch. <i>For 3 Phase Motor, Deduct</i> <i>For Totally Enclosed Motor, Add</i>	4,049.85 -50.00 85.00	325.50
23 34 16 00-0180	EA	24" Wheel Diameter, 1 HP Belt Drive, In Line Duct Fan Note: 115/208-230/60/1. Includes disconnect switch. <i>For 3 Phase Motor, Deduct</i> <i>For Totally Enclosed Motor, Add</i>	5,150.08 -50.00 85.00	406.87
23 34 16 00-0181	EA	24" Wheel Diameter, 3 HP Belt Drive, In Line Duct Fan Note: 230/460/60/3. Includes disconnect switch. <i>For Totally Enclosed Motor, Add</i>	5,430.07 85.00	406.87
23 34 16 00-0182	EA	24" Wheel Diameter, 5 HP Belt Drive, In Line Duct Fan Note: Belt drive. 230/460/60/3. Includes disconnect switch. <i>For Totally Enclosed Motor, Add</i>	5,627.44 85.00	406.87
23 34 16 00-0183	EA	30 Or 36" Wheel Diameter, 3 HP Belt Drive, In Line Duct Fan Note: 230/460/60/3. Includes disconnect switch. <i>For Totally Enclosed Motor, Add</i>	6,516.65 85.00	488.24
23 34 16 00-0184	EA	30 Or 36" Wheel Diameter, 5 HP Belt Drive, In Line Duct Fan Note: 230/460/60/3. Includes disconnect switch. <i>For Totally Enclosed Motor, Add</i>	6,752.22 85.00	488.24
23 34 16 00-0185	EA	30 Or 36" Wheel Diameter, 7-1/2 HP Belt Drive, In Line Duct Fan Note: 230/460/60/3. Includes disconnect switch. <i>For Totally Enclosed Motor, Add</i>	7,041.71 85.00	488.24

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 34 16 00-0186 In-Line Cabinet Fans (23 34 16 00-0001)			
23 34 16 00-0187	EA	77 - 124 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan.....	603.07 142.40
23 34 16 00-0188	EA	91 - 138 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan.....	603.07 142.40
23 34 16 00-0189	EA	82 - 266 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan.....	679.44 150.54
23 34 16 00-0190	EA	281 - 412 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan.....	743.47 150.54
23 34 16 00-0191	EA	190 CFM, 115 Volt, Direct Drive Cabinet Fan.....	918.36 150.54
23 34 16 00-0192	EA	217 - 447 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan.....	772.05 150.54
23 34 16 00-0193	EA	325 - 545 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan.....	872.55 150.54
23 34 16 00-0194	EA	250 - 545 CFM, 115 Volt, 1/6 HP, Direct Drive In-Line Cabinet Fan.....	1,581.94 150.54
23 34 16 00-0195	EA	419 - 766 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan.....	1,016.91 158.67
23 34 16 00-0196	EA	334 - 737 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan.....	1,032.68 158.67
23 34 16 00-0197	EA	350 - 737 CFM, 120 Volt, 1/4 HP, Direct Drive In-Line Cabinet Fan.....	1,647.50 158.67
23 34 16 00-0198	EA	527 - 813 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan.....	1,032.68 158.67
23 34 16 00-0199	EA	631 - 908 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan.....	1,362.74 158.67
23 34 16 00-0200	EA	752 - 1244 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan.....	1,362.74 158.67
23 34 16 00-0201	EA	1043 - 1584 CFM, 115 Volt, 1/3 HP, Direct Drive In-Line Cabinet Fan.....	1,362.74 158.67
23 34 16 00-0202	EA	999 - 1672 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan.....	1,473.10 158.67
23 34 16 00-0203 Propeller And Ceiling Fans (23 34 16)			
23 34 16 00-0204 Direct Drive, Sidewall Propeller Exhaust Fan (23 34 16 00-0203)			
		Note: Greenheck SE1.	
23 34 16 00-0205	EA	1/25 HP, 307 CFM At 1/8" Static Pressure, 8" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan.....	830.21 174.14
		Note: Includes motor side guard.	
		For Backdraft Damper, Add	213.40
		For Wall Mount Collar, Add	298.25
23 34 16 00-0206	EA	1/12 HP, 763 CFM At 1/8" Static Pressure, 10" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan.....	884.04 193.67
		Note: Includes motor side guard.	
		For Backdraft Damper, Add	230.19
		For Wall Mount Collar, Add	298.25
23 34 16 00-0207	EA	1/8 HP, 1,149 CFM At 1/8" Static Pressure, 12" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan.....	979.15 214.82
		Note: Includes motor side guard.	
		For Backdraft Damper, Add	252.76
		For Wall Mount Collar, Add	306.20
23 34 16 00-0208	EA	1/6 HP, 1,350 CFM At 1/8" Static Pressure, 14" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan.....	1,393.77 237.61
		For Backdraft Damper, Add	301.32
		For Wall Mount Collar, Add	312.04
		For Motor Side Guard, Add	252.75
23 34 16 00-0209	EA	1/6 HP, 2,012 CFM At 1/8" Static Pressure, 16" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan.....	1,203.92 263.65
		For Backdraft Damper, Add	301.32
		For Wall Mount Collar, Add	320.01
		For Motor Side Guard, Add	269.15
23 34 16 00-0210	EA	1/4 HP, 2,908 CFM At 1/8" Static Pressure, 18" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan.....	1,350.30 292.95
		For Backdraft Damper, Add	364.33
		For Wall Mount Collar, Add	327.96
		For Motor Side Guard, Add	285.56
23 34 16 00-0211	EA	1/3 HP, 3,974 CFM At 1/8" Static Pressure, 20" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan.....	1,533.48 325.50
		For Backdraft Damper, Add	364.33
		For Wall Mount Collar, Add	333.82
		For Motor Side Guard, Add	308.30
23 34 16 00-0212 Belt Drive Propeller Exhaust Fans (23 34 16 00-0203)			
		Note: Wall shutter 1/8" static pressure, with bird screen.	
23 34 16 00-0213	EA	24" Propeller Exhaust Fan, V-Belt Drive, 5,795 CFM, 1/2 HP, With Wall Shutter.....	2,829.02 465.46
23 34 16 00-0214	EA	30" Propeller Exhaust Fan, V-Belt Drive, 9,060 CFM, 3/4 HP, With Wall Shutter.....	3,245.02 541.95
23 34 16 00-0215	EA	36" Propeller Exhaust Fan, V-Belt Drive, 11,850 CFM, 1 HP, With Wall Shutter.....	3,698.84 650.99
23 34 16 00-0216	EA	42" Propeller Exhaust Fan, V-Belt Drive, 17,400 CFM, 1-1/2 HP, With Wall Shutter.....	5,103.98 813.74
23 34 16 00-0217	EA	48" Propeller Exhaust Fan, V-Belt Drive, 19,870 CFM, 1-1/2 HP, With Wall Shutter.....	6,145.84 1,085.52
23 34 16 00-0218	EA	54" Propeller Exhaust Fan, V-Belt Drive, 26,000 CFM, 2 HP, With Wall Shutter.....	8,596.50 1,627.47
23 34 16 00-0219	EA	60" Propeller Exhaust Fan, V-Belt Drive, 35,120 CFM, 3 HP, With Wall Shutter.....	10,384.64 2,086.41
23 34 16 00-0220 Propeller Exhaust Fan Accessories (23 34 16 00-0203)			
23 34 16 00-0221	SF	Hinged Mesh Screen For Wall Propeller Fans, 1" x 1" Frame (SF Of Fan Opening).....	147.61
23 34 16 00-0222	SF	Galvanized Weather Hood For Wall Propeller Fan (SF Of Fan Opening).....	335.80
23 34 16 00-0223 Reversible Ceiling Fans (23 34 16 00-0203)			
23 34 16 00-0224 4 Blade Ceiling Fans (23 34 16 00-0223)			
23 34 16 00-0225	EA	42" 4-Blade Ceiling Fan, Three Speed.....	586.50 58.20
		For Brass Plated Motor, Add	20.25
		For Light Kit, Add	25.97
23 34 16 00-0226 5 Blade Ceiling Fans (23 34 16 00-0223)			
23 34 16 00-0227	EA	42" 5-Blade Ceiling Fan, Three Speed.....	642.63 144.02
		For Brass Plated Motor, Add	20.25
		For Light Kit, Add	26.03
23 34 16 00-0228	EA	52" 5-Blade Ceiling Fan, Three Speed.....	734.42 144.02
		For Brass Plated Motor, Add	20.25
		For Light Kit, Add	26.15
23 34 16 00-0229 3 Blade Weatherproof Ceiling Fans (23 34 16 00-0223)			

MINOR		CSI UOM DESCRIPTION		TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
23 34 16 00-0230	EA	3-Blade Ceiling Fan, Weatherproof, Three Speed.....		692.90	80.56
23 34 16 00-0231		Ceiling Fan Down Rod (23 34 16 00-0223)			
23 34 16 00-0232	EA	1' Ceiling Fan Down Rod.....		23.09	
23 34 16 00-0233	EA	1-1/2' Ceiling Fan Down Rod.....		30.77	
23 34 16 00-0234	EA	2' Ceiling Fan Down Rod.....		34.61	
23 34 16 00-0235	EA	3' Ceiling Fan Down Rod.....		46.97	
23 34 16 00-0236	EA	4' Ceiling Fan Down Rod.....		54.99	
23 34 16 00-0237	EA	5' Ceiling Fan Down Rod.....		67.87	
23 34 16 00-0238	EA	6' Ceiling Fan Down Rod.....		85.23	
23 34 16 00-0239		Exhaust Fans (23 34 16)			
23 34 16 00-0240		Exhaust Fans (23 34 16 00-0239)			
		Note: Excludes ducting.			
23 34 16 00-0241		Light Duty Exhaust Fans (23 34 16 00-0240)			
23 34 16 00-0242		Light Duty Exhaust Fans (23 34 16 00-0241)			
23 34 16 00-0243	EA	50 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan Without Light (Broan® 670).....		149.14	47.03
23 34 16 00-0244	EA	70 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan Without Light (Broan® 671).....		158.35	47.03
23 34 16 00-0245	EA	180 CFM, Ceiling Mounted, Polymeric Intake Grille, Vertical Discharge, Light Duty Exhaust Fan Without Light (Broan® 505).....		268.81	47.03
23 34 16 00-0246	EA	350 CFM, Ceiling Mounted, Polymeric Intake Grille, Vertical Discharge, Light Duty Exhaust Fan Without Light (Broan® 504).....		342.68	47.03
23 34 16 00-0247	EA	160 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Side Discharge, Light Duty Exhaust Fan Without Light (Broan® 503).....		305.18	47.03
23 34 16 00-0248	EA	270 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Side Discharge, Light Duty Exhaust Fan Without Light (Broan® 502).....		410.07	47.03
23 34 16 00-0249		Light Duty Exhaust Fans With Lights (23 34 16 00-0241)			
23 34 16 00-0250	EA	50 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 678).....		198.36	47.03
23 34 16 00-0251	EA	70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 679).....		221.41	47.03
23 34 16 00-0252	EA	100 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 680).....		424.15	47.03
23 34 16 00-0253		Light Duty Exhaust Fans With Heaters (23 34 16 00-0241)			
23 34 16 00-0254	EA	70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater Bulb (Broan® 162).....		203.35	47.03
23 34 16 00-0255	EA	70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater (Broan® 658).....		329.76	47.03
23 34 16 00-0256		Light Duty Exhaust Fans With Heaters And Lights (23 34 16 00-0241)			
23 34 16 00-0257	EA	70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater And Light (Broan® 655).....		351.67	47.03
23 34 16 00-0258	EA	100 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater And Light (Broan® 100HL).....		539.82	47.03
23 34 16 00-0259		Heavy-Duty/Continuous Operation Exhaust Fans (23 34 16 00-0240)			
23 34 16 00-0260		Heavy-Duty/Continuous Operation Exhaust Fans (23 34 16 00-0259)			
		Note: Includes enamel steel or aluminum grille.			
23 34 16 00-0261	EA	50 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® HD50).....		238.16	47.03
23 34 16 00-0262	EA	80 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® HD80).....		264.58	47.03
23 34 16 00-0263	EA	109 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L100MG).....		493.25	47.03
23 34 16 00-0264	EA	157 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L150MG).....		505.50	47.03
23 34 16 00-0265	EA	210 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L200MG).....		543.61	47.03
23 34 16 00-0266	EA	259 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L250MG).....		567.96	47.03
23 34 16 00-0267	EA	308 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L300MG).....		577.39	47.03
23 34 16 00-0268	EA	434 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L400).....		662.46	47.03
23 34 16 00-0269	EA	514 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L500).....		756.29	47.03
23 34 16 00-0270	EA	701 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L700).....		809.73	47.03
23 34 16 00-0271	EA	901 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L900).....		965.86	47.03
23 34 16 00-0272	EA	1,513 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L1500).....		1,243.98	47.03
23 34 16 00-0273		Heavy-Duty/Continuous Operation Kitchen Exhaust Fans (23 34 16 00-0259)			
		Note: Includes enamel steel or aluminum grille.			
23 34 16 00-0274	EA	308 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L300KMG).....		512.63	47.03
23 34 16 00-0275	EA	434 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L400K).....		749.27	47.03

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 34 HVAC Fans**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 34 16 00-0276	EA	514 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L500K)	793.10	47.03
23 34 16 00-0277		Heavy-Duty/Continuous Operation Exhaust Fans With Lights (23 34 16 00-0259)		
23 34 16 00-0278	EA	50 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan With Light (Broan® HD50L)	259.80	47.03
23 34 16 00-0279	EA	80 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan With Light (Broan® HD80L)	284.61	47.03
23 34 16 00-0280		Fire Rated, Heavy-Duty/Continuous Operation Exhaust Fans (23 34 16 00-0259)		
23 34 16 00-0281	EA	50 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® HD50RDF)	270.69	47.03
23 34 16 00-0282	EA	80 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® HD80RDF)	287.12	47.03
23 34 16 00-0283	EA	110 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® 110RDF)	295.05	47.03
23 34 16 00-0284		Low Sound, Direct Drive, Centrifugal Ceiling Exhaust Fans (23 34 16 00-0240)		
23 34 16 00-0285	EA	900 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A900)	1,336.23	47.03
23 34 16 00-0286	EA	1050 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A1050)	1,336.23	47.03
23 34 16 00-0287	EA	1410 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A1410)	1,336.23	47.03
23 34 16 00-0288	EA	1550 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A1550)	1,467.45	47.03
23 34 16 00-0289		Room-To-Room Exhaust Fans (23 34 16 00-0240)		
23 34 16 00-0290	EA	90 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 512)	192.15	47.03
23 34 16 00-0291	EA	180 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 511)	326.32	47.03
23 34 16 00-0292	EA	380 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 510)	375.21	47.03
23 34 16 00-0293		Through-Wall Exhaust Fans (23 34 16 00-0240)		
23 34 16 00-0294	EA	250 CFM, Wall Mounted, Polymeric Intake Grille, Chain Operated, Through Wall Exhaust Fan (Broan® 507)	349.65	47.03
23 34 16 00-0295	EA	470 CFM, Wall Mounted, Polymeric Intake Grille, Chain Operated, Through Wall Exhaust Fan (Broan® 506)	417.04	47.03
23 34 16 00-0296	EA	180 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan (Broan® 509)	303.32	47.03
23 34 16 00-0297	EA	270 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan (Broan® 508)	410.07	47.03
23 34 16 00-0298	EA	360 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan With Motorized Door (Broan® 12C)	726.08	47.03
23 34 16 00-0299		Exhaust Fan Accessories (23 34 16 00-0240)		
23 34 16 00-0300		Exhaust Fan Controls (23 34 16 00-0299)		
23 34 16 00-0301	EA	Electronic Variable Speed Control Dial, Single Gang, Exhaust Fan Controls (Broan® 57)	191.23	29.40
23 34 16 00-0302	EA	60-Minute Time Control Dial, Single Gang, Exhaust Fan Controls (Broan® 59)	131.63	29.40
23 34 16 00-0303	EA	60-Minute Time Control Dial With Rocker Switch, Double Gang, Exhaust Fan Controls (Broan® 61)	133.04	29.40
23 34 16 00-0304		Roof And Wall Caps For Exhaust Fans (23 34 16 00-0299)		
23 34 16 00-0305		Wall Caps For Exhaust Fans (23 34 16 00-0304)		
23 34 16 00-0306	EA	Aluminum Wall Cap For Up To 12" Duct, Installed On Exterior Walls (Broan® 613)	360.86	88.39
23 34 16 00-0307	EA	Aluminum Wall Cap For Up To 18" Duct, Installed On Exterior Walls (Broan® 643)	365.56	88.39
23 34 16 00-0308		Roof Caps For Exhaust Fans (23 34 16 00-0304)		
		Note: Includes flashing and built in bird screen.		
23 34 16 00-0309	EA	Aluminum Roof Cap For Up To 8" Duct, Installed On Flat Roofs (Broan® 611)	312.44	88.39
23 34 16 00-0310	EA	Aluminum Roof Cap For Up To 12" Duct, Installed On Flat Roofs (Broan® 612)	434.29	88.39
23 34 16 00-0311	EA	CRCQ Steel Roof Cap For Up To 4" Duct, Installed On Sloped Roofs (Broan® 636)	218.77	88.39
23 34 16 00-0312	EA	CRCQ Steel Roof Cap For Up To 8" Duct, Installed On Sloped Roofs (Broan® 634)	255.32	88.39
23 34 16 00-0313		Removal And Reinstallation Of Light Duty Ceiling Exhaust Fan (23 34 16 00-0240)		
		Note: Includes storage and cleaning.		
23 34 16 00-0314	EA	Removal And Reinstallation Of Light Duty Ceiling Exhaust Fan	122.05	
23 34 16 00-0315		Corrosion Proof Coated Explosion Proof Fans (23 34 16)		
23 34 16 00-0316	EA	1,200 CFM, 1/4 HP, 480 Volt, 3 Phase Centrifugal Fan, Explosion Proof Motor, Backdraft	2,325.82	345.84
23 34 16 00-0317	EA	6,500 CFM, 1 HP, 480 Volt, 3 Phase Centrifugal Fan, Explosion Proof Motor, Backdraft	7,671.98	649.85
23 34 23		HVAC Power Ventilators (23 34)		
23 34 23 00-0001		Power Roof Ventilators (23 34 23)		
23 34 23 00-0002		Direct Drive, Aluminum, Centrifugal Roof Exhausters (23 34 23 00-0001)		
		Note: Greenheck G.		
23 34 23 00-0003	EA	1/25 HP, 310 CFM At 1/4" Static Pressure, 17" x 17" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	731.17	232.73
		Note: Three speed motor.		
		For 12" Roof Curb, Add	268.08	
		For Backdraft Damper, Add	175.30	
		For Solid State Speed Control, Add	134.68	
		For Damper Motor, Add	302.66	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 23 00-0004	EA		1/8 HP, 863 CFM At 1/4" Static Pressure, 17" x 17" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster Note: Three speed motor. For 12" Roof Curb, Add For Backdraft Damper, Add For Solid State Speed Control, Add For Damper Motor, Add	796.92 268.08 175.30 134.68 302.66	263.65
23 34 23 00-0005	EA		1/6 HP, 1,213 CFM At 1/4" Static Pressure, 19" x 19" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster For 12" Roof Curb, Add For Backdraft Damper, Add For Solid State Speed Control, Add For Damper Motor, Add	1,102.41 274.41 189.21 134.68 302.66	307.59
23 34 23 00-0006	EA		1/4 HP, 1,374 CFM At 1/4" Static Pressure, 19" x 19" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster For 12" Roof Curb, Add For Backdraft Damper, Add For Solid State Speed Control, Add For Damper Motor, Add	1,142.53 274.41 189.21 134.68 302.66	346.65
23 34 23 00-0007	EA		1/3 HP, 1,905 CFM At 1/4" Static Pressure, 22" x 22" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster For Solid State Speed Control, Add For Damper Motor, Add	1,449.25 134.68 302.66	382.46
23 34 23 00-0008	EA		1/2 HP, 3,072 CFM At 1/4" Static Pressure, 22" x 22" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster For 12" Roof Curb, Add For Backdraft Damper, Add For Solid State Speed Control, Add For Damper Motor, Add	1,644.52 284.97 214.66 200.14 302.66	406.87
23 34 23 00-0009			Belt Drive, Aluminum, Centrifugal Roof Exhausters (23 34 23 00-0001) Note: Greenheck GB.		
23 34 23 00-0010	EA		1/4 HP, 1,556 CFM At 1/4" Static Pressure, 19" x 19" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster For 12" Roof Curb, Add For Backdraft Damper, Add For Damper Motor, Add	1,711.14 274.41 189.21 302.66	414.33
23 34 23 00-0011	EA		1/3 HP, 1,966 CFM At 1/4" Static Pressure, 22" x 22" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster For 12" Roof Curb, Add For Backdraft Damper, Add For Damper Motor, Add	1,859.07 284.97 214.66 302.66	439.85
23 34 23 00-0012	EA		1/2 HP, 2,943 CFM At 1/4" Static Pressure, 22" x 22" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster For 12" Roof Curb, Add For Backdraft Damper, Add For Damper Motor, Add	2,475.89 284.97 214.66 302.66	525.68
23 34 23 00-0013	EA		3/4 HP, 4,289 CFM At 1/4" Static Pressure, 30" x 30" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster For 12" Roof Curb, Add For Backdraft Damper, Add For Damper Motor, Add	3,147.17 335.65 266.12 302.66	650.99
23 34 23 00-0014	EA		1 HP, 6,157 CFM At 1/4" Static Pressure, 34" x 34" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster For 12" Roof Curb, Add For Backdraft Damper, Add For Damper Motor, Add	4,125.07 358.88 288.69 302.66	813.74
23 34 23 00-0015	EA		1-1/2 HP, 8,906 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster For 12" Roof Curb, Add For Backdraft Damper, Add For Damper Motor, Add	6,513.04 394.78 319.92 302.66	1,017.16
23 34 23 00-0016	EA		2 HP, 10,059 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster For 12" Roof Curb, Add For Backdraft Damper, Add For Damper Motor, Add	6,563.72 394.78 319.92 302.66	1,017.16
23 34 23 00-0017	EA		3 HP, 11,703 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster For 12" Roof Curb, Add For Backdraft Damper, Add For Damper Motor, Add	7,110.63 394.78 319.92 302.66	1,017.16
23 34 23 00-0018	EA		5 HP, 13,897 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster For 12" Roof Curb, Add For Backdraft Damper, Add For Damper Motor, Add	5,862.49 394.78 319.92 302.66	1,017.16
23 34 23 00-0019			Propeller Exhaust Fans, Roof Mounted Upblast (23 34 23 00-0001) Note: Includes back draft damper and bird screen and curb.		
23 34 23 00-0020	EA		30,300 CFM Belt Drive 5 HP Propeller Exhaust Fan, Roof Mounted, 3/8" Static Pressure	9,448.40	1,251.52
23 34 23 00-0021	EA		36,000 CFM Belt Drive 15 HP Propeller Exhaust Fan, Roof Mounted, 1/2" Static Pressure	15,301.82	1,626.98
23 34 23 00-0022			Belt Drive Supply Fans (23 34 23 00-0001)		
23 34 23 00-0023	EA		4,500 CFM, 24" x 24" Supply Fan, Roof Mounted	3,799.87	649.85
23 34 23 00-0024	EA		10,000 CFM, 36" x 36" Supply Fan, Roof Mounted	5,107.87	813.57
23 34 23 00-0025			Fan Thermostat (23 34 23 00-0001)		
23 34 23 00-0026	EA		50 To 120 Degree Line Voltage Fan Thermostat.....	146.64	
23 34 23 00-0027			Power Wall Ventilators (23 34 23)		
23 34 23 00-0028			Centrifugal Sidewall Exhausters (23 34 23 00-0027)		
23 34 23 00-0029			Direct Drive, Aluminum, Centrifugal Sidewall Exhauster (23 34 23 00-0028) Note: Greenheck CW.		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
23 34 23 00-0030	EA 1/25 HP, 297 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster <i>For Solid State Speed Control, Add</i> <i>For Backdraft Damper, Add</i> <i>For Damper Motor, Add</i> <i>For Interior Wall Grill, Add</i>	989.70 200.14 234.17 505.87 142.95		262.02	
23 34 23 00-0031	EA 1/8 HP, 861 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster <i>For Solid State Speed Control, Add</i> <i>For Backdraft Damper, Add</i> <i>For Damper Motor, Add</i> <i>For Interior Wall Grill, Add</i>	1,139.39 200.14 259.62 505.87 169.91		307.59	
23 34 23 00-0032	EA 1/6 HP, 1,179 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster <i>For Solid State Speed Control, Add</i> <i>For Backdraft Damper, Add</i> <i>For Damper Motor, Add</i> <i>For Interior Wall Grill, Add</i>	1,632.55 200.14 293.74 505.87 196.87		346.65	
23 34 23 00-0033 Belt Drive, Aluminum, Centrifugal Sidewall Exhausters (23 34 23 00-0028)					
Note: Greenheck CWB.					
23 34 23 00-0034	EA 1/4 HP, 1,633 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster <i>For Solid State Speed Control, Add</i> <i>For Backdraft Damper, Add</i> <i>For Damper Motor, Add</i> <i>For Interior Wall Grill, Add</i>	2,704.11 200.14 274.67 505.87 297.74		195.95	
23 34 23 00-0035	EA 1/2 HP, 2,291 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster <i>For Solid State Speed Control, Add</i> <i>For Backdraft Damper, Add</i> <i>For Damper Motor, Add</i> <i>For Interior Wall Grill, Add</i>	2,863.35 200.14 274.67 505.87 297.74		220.67	
23 34 23 00-0036	EA 3/4 HP, 3,646 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster <i>For Solid State Speed Control, Add</i> <i>For Backdraft Damper, Add</i> <i>For Damper Motor, Add</i> <i>For Interior Wall Grill, Add</i>	3,507.60 200.14 342.70 505.87 345.82		252.44	
23 34 33 Air Curtains (23 34)					
23 34 33 00-0001 Unheated Air Curtains For Entrances (23 34 33)					
23 34 33 00-0002 Unheated Air Curtains, Standard Velocity (23 34 33 00-0001)					
23 34 33 00-0003	EA Air Curtain For 3' x 8' - 10' Personnel Entrance, Unheated..... Note: Includes housing, mounting brackets and manual controls.	2,943.52		1,192.93	
		<i>For Door Limit Switch, Combination Roller And Plunger, Add</i> <i>For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add</i> <i>For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø</i> <i>For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add</i> <i>For Flat Side Extension Plates, Add</i> <i>For Clearance Adjustable-Angle Mounting Bracket, Add</i> <i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i> <i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	208.07 566.42 420.77 647.33 162.14 324.29 389.15 410.77		
23 34 33 00-0004	EA Air Curtain For 3.5' x 8' - 10' Personnel Entrance, Unheated..... Note: Includes housing, mounting brackets and manual controls.	2,976.91		1,192.93	
		<i>For Door Limit Switch, Combination Roller And Plunger, Add</i> <i>For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add</i> <i>For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø</i> <i>For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add</i> <i>For Flat Side Extension Plates, Add</i> <i>For Clearance Adjustable-Angle Mounting Bracket, Add</i> <i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i> <i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	208.07 566.42 420.77 647.33 162.14 324.29 389.15 410.77		
23 34 33 00-0005	EA Air Curtain For 4' x 8' - 10' Personnel Entrance, Unheated..... Note: Includes housing, mounting brackets and manual controls.	3,013.08		1,192.93	
		<i>For Door Limit Switch, Combination Roller And Plunger, Add</i> <i>For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add</i> <i>For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø</i> <i>For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add</i> <i>For Flat Side Extension Plates, Add</i> <i>For Clearance Adjustable-Angle Mounting Bracket, Add</i> <i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i> <i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	208.07 566.42 420.77 647.33 162.14 324.29 389.15 410.77		
23 34 33 00-0006	EA Air Curtain For 5' x 8' - 10' Personnel Entrance, Unheated..... Note: Includes housing, mounting brackets and manual controls.	3,611.30		1,192.93	
		<i>For Door Limit Switch, Combination Roller And Plunger, Add</i> <i>For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add</i> <i>For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø</i> <i>For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add</i> <i>For Flat Side Extension Plates, Add</i> <i>For Clearance Adjustable-Angle Mounting Bracket, Add</i> <i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i> <i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	208.07 566.42 420.77 647.33 162.14 324.29 389.15 410.77		
23 34 33 00-0007	EA Air Curtain For 6' x 8' - 10' Personnel Entrance, Unheated..... Note: Includes housing, mounting brackets and manual controls.	4,134.33		1,432.17	
		<i>For Door Limit Switch, Combination Roller And Plunger, Add</i> <i>For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add</i> <i>For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø</i> <i>For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add</i> <i>For Flat Side Extension Plates, Add</i> <i>For Clearance Adjustable-Angle Mounting Bracket, Add</i> <i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i> <i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	208.07 566.42 420.77 647.33 162.14 324.29 389.15 410.77		

MINOR		DESCRIPTION	TOTAL DIRECT		DEMOLITION
CSI	UOM		UNIT COST	UNIT COST	
23 34 33 00-0008	EA	Air Curtain For 7' x 8' - 10' Personnel Entrance, Unheated..... Note: Includes housing, mounting brackets and manual controls. For Door Limit Switch, Combination Roller And Plunger, Add For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	4,343.01 208.07 566.42 420.77 647.33 162.14 324.29 389.15 410.77	1,432.17	
23 34 33 00-0009	EA	Air Curtain For 8' x 8' - 10' Personnel Entrance, Unheated..... Note: Includes housing, mounting brackets and manual controls. For Door Limit Switch, Combination Roller And Plunger, Add For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	4,843.80 208.07 566.42 420.77 647.33 162.14 324.29 389.15 410.77	1,651.88	
23 34 33 00-0010	EA	Air Curtain For 9' x 8' - 10' Personnel Entrance, Unheated..... Note: Includes housing, mounting brackets and manual controls. For Door Limit Switch, Combination Roller And Plunger, Add For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	5,677.13 208.07 566.42 420.77 647.33 162.14 324.29 389.15 410.77	1,651.88	
23 34 33 00-0011	EA	Air Curtain For 10' x 8' - 10' Personnel Entrance, Unheated..... Note: Includes housing, mounting brackets and manual controls. For Door Limit Switch, Combination Roller And Plunger, Add For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	5,782.86 208.07 566.42 420.77 647.33 162.14 324.29 389.15 410.77	1,651.88	
23 34 33 00-0012	EA	Air Curtain For 12' x 8' - 10' Personnel Entrance, Unheated..... Note: Includes housing, mounting brackets and manual controls. For Door Limit Switch, Combination Roller And Plunger, Add For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	6,063.88 208.07 566.42 420.77 647.33 162.14 324.29 389.15 410.77	1,651.88	
23 34 33 00-0013		Unheated Air Curtains, High Velocity (23 34 33 00-0001)			
23 34 33 00-0014	EA	High Velocity Air Curtain For 3' x 10' - 12' Entrance, Unheated..... Note: Includes housing, mounting brackets and manual controls. For Door Limit Switch, Combination Roller And Plunger, Add For Industrial Floor-Mounted Magnetic Reed Switch Only, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	3,497.22 208.07 324.29 162.14 324.29 389.15 410.77	1,192.93	
23 34 33 00-0015	EA	High Velocity Air Curtain For 3.5' x 10' - 12' Entrance, Unheated..... Note: Includes housing, mounting brackets and manual controls. For Door Limit Switch, Combination Roller And Plunger, Add For Industrial Floor-Mounted Magnetic Reed Switch Only, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	3,540.34 208.07 324.29 162.14 324.29 389.15 410.77	1,192.93	
23 34 33 00-0016	EA	High Velocity Air Curtain For 4' x 10' - 12' Entrance, Unheated..... Note: Includes housing, mounting brackets and manual controls. For Door Limit Switch, Combination Roller And Plunger, Add For Industrial Floor-Mounted Magnetic Reed Switch Only, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	3,558.43 208.07 324.29 162.14 324.29 389.15 410.77	1,192.93	
23 34 33 00-0017	EA	High Velocity Air Curtain For 5' x 10' - 12' Entrance, Unheated..... Note: Includes housing, mounting brackets and manual controls. For Door Limit Switch, Combination Roller And Plunger, Add For Industrial Floor-Mounted Magnetic Reed Switch Only, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	3,593.21 208.07 324.29 162.14 324.29 389.15 410.77	1,192.93	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

23 34 33 00-0018	EA	High Velocity Air Curtain For 6' x 10' - 12' Entrance, Unheated	5,403.11	1,432.17
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	208.07	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	324.29	
		For Flat Side Extension Plates, Add	162.14	
		For Clearance Adjustable-Angle Mounting Bracket, Add	324.29	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	389.15	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	410.77	
23 34 33 00-0019	EA	High Velocity Air Curtain For 7' x 10' - 12' Entrance, Unheated	5,617.35	1,432.17
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	208.07	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	324.29	
		For Flat Side Extension Plates, Add	162.14	
		For Clearance Adjustable-Angle Mounting Bracket, Add	324.29	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	389.15	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	410.77	
23 34 33 00-0020	EA	High Velocity Air Curtain For 8' x 10' - 12' Entrance, Unheated	6,038.84	1,651.88
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	208.07	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	324.29	
		For Flat Side Extension Plates, Add	162.14	
		For Clearance Adjustable-Angle Mounting Bracket, Add	324.29	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	389.15	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	410.77	
23 34 33 00-0021	EA	High Velocity Air Curtain For 9' x 10' - 12' Entrance, Unheated	6,780.35	1,651.88
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	208.07	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	324.29	
		For Flat Side Extension Plates, Add	162.14	
		For Clearance Adjustable-Angle Mounting Bracket, Add	324.29	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	389.15	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	410.77	
23 34 33 00-0022	EA	High Velocity Air Curtain For 10' x 10' - 12' Entrance, Unheated	6,858.26	1,651.88
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	208.07	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	324.29	
		For Flat Side Extension Plates, Add	162.14	
		For Clearance Adjustable-Angle Mounting Bracket, Add	324.29	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	389.15	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	410.77	
23 34 33 00-0023	EA	High Velocity Air Curtain For 12' x 10' - 12' Entrance, Unheated	7,161.54	1,651.88
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	208.07	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	324.29	
		For Flat Side Extension Plates, Add	162.14	
		For Clearance Adjustable-Angle Mounting Bracket, Add	324.29	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	389.15	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	410.77	
23 34 33 00-0024		Service Window Unheated Air Curtains (23 34 33 00-0001)		
		Note: Normal window sizes.		
23 34 33 00-0025	EA	Air Curtain For 2.5' x 5' Service Window, Unheated	2,651.71	940.68
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	208.07	
		For Flat Side Extension Plates, Add	162.14	
		For Clearance Adjustable-Angle Mounting Bracket, Add	324.29	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	389.15	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	410.77	
23 34 33 00-0026		Heated Air Curtains For Entrances (23 34 33)		
		Note: Includes housing, mounting brackets and manual controls.		
23 34 33 00-0027	EA	60" Heated Air Curtain With 1- 300 MBH Heater	4,786.06	1,050.53
		For Door Limit Switch, Combination Roller And Plunger, Add	208.07	
		For Flat Side Extension Plates, Add	162.14	
		For Clearance Adjustable-Angle Mounting Bracket, Add	324.29	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	389.15	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	410.77	
23 34 33 00-0028	EA	60" Heated Air Curtain With 1- 400 MBH Heater	5,143.99	1,050.53
		For Door Limit Switch, Combination Roller And Plunger, Add	208.07	
		For Flat Side Extension Plates, Add	162.14	
		For Clearance Adjustable-Angle Mounting Bracket, Add	324.29	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	389.15	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	410.77	
23 34 33 00-0029	EA	72" Heated Air Curtain With 1- 350 MBH Heater	5,742.22	1,260.48
		For Door Limit Switch, Combination Roller And Plunger, Add	208.07	
		For Flat Side Extension Plates, Add	162.14	
		For Clearance Adjustable-Angle Mounting Bracket, Add	324.29	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	389.15	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	410.77	
23 34 33 00-0030	EA	72" Heated Air Curtain With 2- 250 MBH Heaters	6,171.74	1,260.48
		For Door Limit Switch, Combination Roller And Plunger, Add	208.07	
		For Flat Side Extension Plates, Add	162.14	
		For Clearance Adjustable-Angle Mounting Bracket, Add	324.29	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	389.15	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	410.77	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 33 00-0031	EA	96" Heated Air Curtain With 1- 400 MBH Heater For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	7,654.91 208.07 162.14 324.29 389.15 410.77	1,680.36
23 34 33 00-0032	EA	96" Heated Air Curtain With 2- 350 MBH Heaters For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	8,227.60 208.07 162.14 324.29 389.15 410.77	1,680.36
23 34 33 00-0033	EA	117" Heated Air Curtain With 2- 300 MBH Heaters For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	9,327.94 208.07 162.14 324.29 389.15 410.77	2,047.35
23 34 33 00-0034	EA	117" Heated Air Curtain With 2- 400 MBH Heaters For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	10,025.91 208.07 162.14 324.29 389.15 410.77	2,047.35
23 34 33 00-0035	EA	147" Heated Air Curtain With 2- 350 MBH Heaters For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	11,720.65 208.07 162.14 324.29 389.15 410.77	2,572.21
23 34 33 00-0036	EA	147" Heated Air Curtain With 3- 350 MBH Heaters For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	13,456.61 208.07 162.14 324.29 389.15 410.77	2,572.21
23 34 33 00-0037	EA	168" Heated Air Curtain With 2- 400 MBH Heaters For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	13,396.09 208.07 162.14 324.29 389.15 410.77	2,940.02
23 34 33 00-0038	EA	168" Heated Air Curtain With 3- 400 MBH Heaters For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	15,379.62 208.07 162.14 324.29 389.15 410.77	2,940.02
23 34 33 00-0039	EA	192" Heated Air Curtain With 2- 400 MBH Heaters For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	15,304.28 208.07 162.14 324.29 389.15 410.77	3,359.90
23 34 33 00-0040	EA	192" Heated Air Curtain With 4- 350 MBH Heaters For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	17,571.17 208.07 162.14 324.29 389.15 410.77	3,359.90

23 34 39 High-Volume, Low-Speed Propeller Fans (23 34)

Note: (Air De-stratification Fans)

23 34 39 00-0001 Variable Speed Ceiling Fans (Big Ass Fans® Basic 6®) (23 34 39)

23 34 39 00-0002	EA	8' Diameter, 6 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Basic 6®, 8')	10,500.69	1,301.97
23 34 39 00-0003	EA	10' Diameter, 6 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Basic 6®, 10')	10,755.25	1,383.35
23 34 39 00-0004	EA	12' Diameter, 6 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Basic 6®, 12')	11,009.82	1,464.72
23 34 39 00-0005	EA	14' Diameter, 6 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Basic 6®, 14')	11,249.09	1,546.10
23 34 39 00-0006	EA	16' Diameter, 6 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Basic 6®, 16')	11,503.66	1,627.47
23 34 39 00-0007	EA	18' Diameter, 6 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Basic 6®, 18')	11,758.22	1,708.84
23 34 39 00-0008	EA	20' Diameter, 6 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Basic 6®, 20')	12,012.80	1,790.21
23 34 39 00-0009	EA	24' Diameter, 6 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Basic 6®, 24')	12,252.06	1,871.58

23 34 39 00-0010 Variable Speed Ceiling Fans (Big Ass Fans® Powerfoil® 8) (23 34 39)

23 34 39 00-0011	EA	8' Diameter, 8 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Powerfoil® 8, PF8-08)	12,107.58	1,301.97
23 34 39 00-0012	EA	10' Diameter, 8 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Powerfoil® 8, PF8-10)	12,446.31	1,383.35
23 34 39 00-0013	EA	12' Diameter, 8 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Powerfoil® 8, PF8-12)	12,785.06	1,464.72
23 34 39 00-0014	EA	14' Diameter, 8 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Powerfoil® 8, PF8-14)	13,123.80	1,546.10
23 34 39 00-0015	EA	16' Diameter, 8 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Powerfoil® 8, PF8-16)	13,470.19	1,627.47
23 34 39 00-0016	EA	18' Diameter, 8 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Powerfoil® 8, PF8-18)	13,808.93	1,708.84
23 34 39 00-0017	EA	20' Diameter, 8 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Powerfoil® 8, PF8-20)	14,147.67	1,790.21
23 34 39 00-0018	EA	24' Diameter, 8 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Powerfoil® 8, PF8-24)	14,471.11	1,871.58

23 35 Special Exhaust Systems (23 30)

See CSI section 23 31 13 16-0075 for spiral duct/piping.

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 35 Special Exhaust Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
23 35 13 Dust Collection Systems (23 35)**23 35 13 13 Sawdust Collection Systems (23 35 13)****23 35 13 13-0001 Dust Collector System (23 35 13 13)**

23 35 13 13-0002	EA	1.5 HP Dust Collector Central Vacuum Unit	5,460.34	1,412.28
		Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.		
23 35 13 13-0003	EA	2 HP Dust Collector Central Vacuum Unit	6,172.03	1,677.08
		Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.		
23 35 13 13-0004	EA	2-1/2 HP Dust Collector Central Vacuum Unit	7,376.17	1,941.88
		Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.		
23 35 13 13-0005	EA	3 HP Dust Collector Central Vacuum Unit	8,456.33	2,294.95
		Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.		
23 35 13 13-0006	EA	5 HP Dust Collector Central Vacuum Unit	16,368.47	2,486.52
		Note: Includes fan bower, stand, cyclone, filter, silencer and 55 gallon fiber drum dust bin.		
23 35 13 13-0007	EA	7-1/2 HP Dust Collector Central Vacuum Unit	19,804.47	2,900.93
		Note: Includes fan bower, stand, cyclone, filter, silencer and 55 gallon fiber drum dust bin.		
23 35 13 13-0008	EA	10 HP Dust Collector Central Vacuum Unit	22,681.75	3,315.35
		Note: Includes fan bower, stand, cyclone, filter, silencer and 55 gallon fiber drum dust bin.		
23 35 13 13-0009	EA	15 HP Dust Collector Central Vacuum Unit	25,544.24	3,812.65
		Note: Includes fan bower, stand, cyclone, filter, silencer and two 55 gallon fiber drum dust bin.		
23 35 13 13-0010	EA	20 HP Dust Collector Central Vacuum Unit	28,529.82	4,309.95
		Note: Includes fan bower, stand, cyclone, filter, silencer and two 55 gallon fiber drum dust bin.		

23 35 13 13-0011 Vacuum Tubing And Accessories (23 35 13 13)**23 35 13 13-0012 Vacuum Tubing (23 35 13 13-0011)****23 35 13 13-0013 Flexible Hose (23 35 13 13-0012)**

23 35 13 13-0014	LF	2" Flexible Hose	14.89	2.93
23 35 13 13-0015	LF	3" Flexible Hose	17.69	3.26
23 35 13 13-0016	LF	4" Flexible Hose	19.22	3.58

23 35 13 13-0017 Galvanized Vacuum Tubing (23 35 13 13-0012)

23 35 13 13-0018	LF	2-1/8" Outside Diameter Vacuum Tubing, Galvanized	12.70	2.93
23 35 13 13-0019	LF	2-1/2" Outside Diameter Vacuum Tubing, Galvanized	14.12	3.10
23 35 13 13-0020	LF	3" Outside Diameter Vacuum Tubing, Galvanized	16.54	3.26
23 35 13 13-0021	LF	3-1/2" Outside Diameter Vacuum Tubing, Galvanized	21.07	3.42
23 35 13 13-0022	LF	4" Outside Diameter Vacuum Tubing, Galvanized	21.68	3.58
23 35 13 13-0023	LF	5" Outside Diameter Vacuum Tubing, Galvanized	34.80	4.07
23 35 13 13-0024	LF	6" Outside Diameter Vacuum Tubing, Galvanized	39.26	4.72
23 35 13 13-0025	LF	8" Outside Diameter Vacuum Tubing, Galvanized	53.23	6.51
23 35 13 13-0026	LF	10" Outside Diameter Vacuum Tubing, Galvanized	62.66	8.14
23 35 13 13-0027	LF	12" Outside Diameter Vacuum Tubing, Galvanized	150.57	10.74

23 35 13 13-0028 Vacuum Fittings, Galvanized (23 35 13 13-0011)**23 35 13 13-0029 90 Degree Elbow (23 35 13 13-0028)**

23 35 13 13-0030	EA	2-1/8" 90 Degree Elbow, Vacuum Tubing, Galvanized	66.13	18.71
23 35 13 13-0031	EA	2-1/2" 90 Degree Elbow, Vacuum Tubing, Galvanized	79.99	20.02
23 35 13 13-0032	EA	3" 90 Degree Elbow, Vacuum Tubing, Galvanized	97.77	21.81
23 35 13 13-0033	EA	3-1/2" 90 Degree Elbow, Vacuum Tubing, Galvanized	114.15	23.60
23 35 13 13-0034	EA	4" 90 Degree Elbow, Vacuum Tubing, Galvanized	134.69	26.04
23 35 13 13-0035	EA	5" 90 Degree Elbow, Vacuum Tubing, Galvanized	214.12	28.97
23 35 13 13-0036	EA	6" 90 Degree Elbow, Vacuum Tubing, Galvanized	280.65	32.55
23 35 13 13-0037	EA	8" 90 Degree Elbow, Vacuum Tubing, Galvanized	494.61	43.45

23 35 13 13-0038 45 Degree Elbow (23 35 13 13-0028)

23 35 13 13-0039	EA	2-1/8" 45 Degree Elbow, Vacuum Tubing, Galvanized	62.66	18.71
23 35 13 13-0040	EA	2-1/2" 45 Degree Elbow, Vacuum Tubing, Galvanized	77.13	20.02
23 35 13 13-0041	EA	3" 45 Degree Elbow, Vacuum Tubing, Galvanized	88.17	21.81
23 35 13 13-0042	EA	3-1/2" 45 Degree Elbow, Vacuum Tubing, Galvanized	103.33	23.60
23 35 13 13-0043	EA	4" 45 Degree Elbow, Vacuum Tubing, Galvanized	124.69	26.04
23 35 13 13-0044	EA	5" 45 Degree Elbow, Vacuum Tubing, Galvanized	179.42	28.97
23 35 13 13-0045	EA	6" 45 Degree Elbow, Vacuum Tubing, Galvanized	229.62	32.55
23 35 13 13-0046	EA	8" 45 Degree Elbow, Vacuum Tubing, Galvanized	408.87	43.45

23 35 13 13-0047 Wye (23 35 13 13-0028)

23 35 13 13-0048	EA	2-1/8" Wye, Vacuum Tubing, Galvanized	118.26	30.92
23 35 13 13-0049	EA	2-1/2" Wye, Vacuum Tubing, Galvanized	139.65	33.36
23 35 13 13-0050	EA	3" Wye, Vacuum Tubing, Galvanized	167.54	35.81
23 35 13 13-0051	EA	3-1/2" Wye, Vacuum Tubing, Galvanized	200.80	39.88
23 35 13 13-0052	EA	4" Wye, Vacuum Tubing, Galvanized	261.85	43.12
23 35 13 13-0053	EA	5" Wye, Vacuum Tubing, Galvanized	426.90	48.01
23 35 13 13-0054	EA	6" Wye, Vacuum Tubing, Galvanized	559.66	54.52
23 35 13 13-0055	EA	8" Wye, Vacuum Tubing, Galvanized	1,075.91	59.40
23 35 13 13-0056	EA	10" Wye, Vacuum Tubing, Galvanized	1,479.43	65.10
23 35 13 13-0057	EA	12" Wye, Vacuum Tubing, Galvanized	1,863.39	72.91

23 35 13 13-0058 Reducer (23 35 13 13-0028)

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 35 13 13-0059	EA	3" Reducer, Vacuum Tubing, Galvanized.....	69.79	21.81
23 35 13 13-0060	EA	4" Reducer, Vacuum Tubing, Galvanized.....	77.30	23.60
23 35 13 13-0061	EA	5" Reducer, Vacuum Tubing, Galvanized.....	95.26	26.04
23 35 13 13-0062	EA	6" Reducer, Vacuum Tubing, Galvanized.....	103.30	28.97
23 35 13 13-0063	EA	8" Reducer, Vacuum Tubing, Galvanized.....	120.04	32.55
23 35 13 13-0064 Air Gate Valve, Galvanized (23 35 13 13-0011)				
23 35 13 13-0065	EA	2-1/8" Air Gate Valve, Vacuum Tubing, Galvanized.....	417.25	43.45
23 35 13 13-0066	EA	2-1/2" Air Gate Valve, Vacuum Tubing, Galvanized.....	437.65	46.38
23 35 13 13-0067	EA	3" Air Gate Valve, Vacuum Tubing, Galvanized.....	501.02	49.97
23 35 13 13-0068	EA	3-1/2" Air Gate Valve, Vacuum Tubing, Galvanized.....	567.91	53.38
23 35 13 13-0069	EA	4" Air Gate Valve, Vacuum Tubing, Galvanized.....	638.61	56.64
23 35 13 13-0070	EA	5" Air Gate Valve, Vacuum Tubing, Galvanized.....	752.62	64.61
23 35 13 13-0071	EA	6" Air Gate Valve, Vacuum Tubing, Galvanized.....	865.23	72.42
23 35 16 Engine Exhaust Systems (23 35)				
23 35 16 16 Mechanical Engine Exhaust Systems (23 35 16)				
23 35 16 16-0001		Overhead Tailpipe Exhaust System (23 35 16 16)		
23 35 16 16-0002		Overhead Tailpipe Exhaust Blowers (23 35 16 16-0001)		
23 35 16 16-0003		Overhead Direct Drive Tailpipe Exhaust Blowers (23 35 16 16-0002)		
23 35 16 16-0004	EA	495 CFM 1/3 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System.....	4,045.08	346.65
23 35 16 16-0005	EA	1,445 CFM 3/4 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System.....	4,827.83	707.95
23 35 16 16-0006	EA	1,840 CFM 1-1/2 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System.....	6,658.27	857.68
23 35 16 16-0007 Overhead Belt Drive Tailpipe Exhaust Blowers (23 35 16 16-0002)				
23 35 16 16-0008	EA	1,400 CFM 1 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System.....	4,703.36	707.95
23 35 16 16-0009	EA	2,023 CFM 1-1/2 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System.....	5,059.43	857.68
23 35 16 16-0010	EA	2,750 CFM 2 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System.....	6,214.06	1,357.30
23 35 16 16-0011	EA	4,400 CFM 3 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System.....	7,647.41	1,751.16
23 35 16 16-0012	EA	7,060 CFM 5 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System.....	9,605.45	2,086.41
23 35 16 16-0013 Spiral Exhaust Duct Accessories (23 35 16 16-0001)				
23 35 16 16-0014 Flex Hose x Length (23 35 16 16-0013)				
Note: Includes duct coupler, damper and tailpipe adapter.				
23 35 16 16-0015	EA	3" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	233.64	86.26
23 35 16 16-0016	EA	3" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	205.18	86.26
23 35 16 16-0017	EA	4" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	360.23	136.71
23 35 16 16-0018	EA	4" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	312.68	136.71
23 35 16 16-0019	EA	5" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	521.75	216.45
23 35 16 16-0020	EA	5" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	504.73	216.45
23 35 16 16-0021	EA	6" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	802.86	343.40
23 35 16 16-0022	EA	6" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	767.06	343.40
23 35 16 16-0023 Flex Hose With Duct Coupler, Damper And Diesel Exhaust Adapter (23 35 16 16-0013)				
23 35 16 16-0024	EA	4" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	256.34	86.26
23 35 16 16-0025	EA	5" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	376.80	136.71
23 35 16 16-0026	EA	4" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	223.56	86.26
23 35 16 16-0027	EA	5" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	328.17	136.71
23 35 16 16-0028	EA	6" x 25' High Pressure, Stainless Steel Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	1,770.64	116.20
23 35 16 16-0029	EA	8" x 15' Heat-Resistant Fabric Flex Hose (650 Degree F.) With Duct Coupler, Damper And Tail-Pipe Adapter.....	1,597.03	213.20
23 35 16 16-0030	EA	10" x 15' Heat-Resistant Fabric Flex Hose (650 Degree F.) With Duct Coupler, Damper And Tail-Pipe Adapter.....	1,751.16	213.20
23 35 16 16-0031	LF	8" Heat-Resistant Fabric Flex Hose (650 Degree F.).....	85.99	16.60
23 35 16 16-0032	LF	10" Heat-Resistant Fabric Flex Hose (650 Degree F.).....	95.46	16.60
23 35 16 16-0033 Flexible Hose (23 35 16 16-0013)				
23 35 16 16-0034	LF	3" Stainless Steel Flexible Tubing.....	45.14	4.07
23 35 16 16-0035	LF	4" Stainless Steel Flexible Tubing.....	57.13	4.55
23 35 16 16-0036	LF	5" Stainless Steel Flexible Tubing.....	67.62	4.72
23 35 16 16-0037	LF	6" Stainless Steel Flexible Tubing.....	79.54	5.04
23 35 16 16-0038	LF	3" Galvanized Flexible Tubing.....	28.67	4.07
23 35 16 16-0039	LF	4" Galvanized Flexible Tubing.....	33.58	4.55
23 35 16 16-0040	LF	5" Galvanized Flexible Tubing.....	38.37	4.72
23 35 16 16-0041	LF	6" Galvanized Flexible Tubing.....	42.72	5.04
23 35 16 16-0042 Accessories (23 35 16 16-0001)				
23 35 16 16-0043	EA	3" Tail Pipe Adapter.....	71.45	12.21
23 35 16 16-0044	EA	4" Tail Pipe Adapter.....	73.33	12.21
23 35 16 16-0045	EA	5" Tail Pipe Adapter.....	78.48	13.84
23 35 16 16-0046	EA	3" Bullnose (Guide).....	40.31	8.14
23 35 16 16-0047	EA	4" Bullnose (Guide).....	42.99	8.95
23 35 16 16-0048	EA	5" Bullnose (Guide).....	45.98	9.77
23 35 16 16-0049	EA	Flex-Hose Winch And Associated Hardware.....	311.15	92.28
23 35 16 16-0050	LF	Flex-Hose Winch Cable, 1/8" Galvanized Wire Rope.....	0.16	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 35 Special Exhaust Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
23 35 19 Fume Exhaust Systems (23 35)

23 35 19 00-0001	EA	Fume Exhauster, 1 1/2 HP 630 CFM With Out Hose And Intake Nozzle	3,048.78	650.50
23 35 19 00-0002	EA	Hose Extension Kit 5'	553.13	144.52

23 36 Air Terminal Units (23 30)**23 36 13 Constant-Air-Volume Units (23 36)****23 36 13 00-0001 Vertical Units, With Electric Heating Coils (23 36 13)**

23 36 13 00-0002	EA	60 CFM Vertical Induction Unit, With Electric Heating Coils	1,792.61	161.60
23 36 13 00-0003	EA	90 CFM Vertical Induction Unit, With Electric Heating Coils	2,156.64	174.03
23 36 13 00-0004	EA	120 CFM Vertical Induction Unit, With Electric Heating Coils	2,300.87	180.25
23 36 13 00-0005	EA	150 CFM Vertical Induction Unit, With Electric Heating Coils	2,457.56	192.68
23 36 13 00-0006	EA	175 CFM Vertical Induction Unit, With Electric Heating Coils	2,772.34	198.89

23 36 13 00-0007 Horizontal Units, With Electric Heating Coils (23 36 13)

23 36 13 00-0008	EA	60 CFM Horizontal Induction Unit, With Electric Heating Coils	1,521.41	161.60
23 36 13 00-0009	EA	90 CFM Horizontal Induction Unit, With Electric Heating Coils	1,817.48	174.03
23 36 13 00-0010	EA	120 CFM Horizontal Induction Unit, With Electric Heating Coils	2,168.79	183.36

23 36 13 00-0011 Duct Boxes, Constant Volume Control (23 36 13)**23 36 13 00-0012 Single Duct Boxes, Constant Volume Control (23 36 13 00-0011)**

23 36 13 00-0013	EA	4 - 6" Diameter Inlet, 50 - 240 CFM, Single Duct Boxes, Constant Volume Control	1,502.07	67.08
		<i>For Boxes With Motor, Add</i>	247.45	
23 36 13 00-0014	EA	6 - 8" Diameter Inlet, 100 - 480 CFM, Single Duct Boxes, Constant Volume Control	1,661.37	72.38
		<i>For Boxes With Motor, Add</i>	274.50	
23 36 13 00-0015	EA	7 - 10" Diameter Inlet, 150 - 720 CFM, Single Duct Boxes, Constant Volume Control	1,730.81	79.44
		<i>For Boxes With Motor, Add</i>	282.61	
23 36 13 00-0016	EA	9 - 12" Diameter Inlet, 200 - 960 CFM, Single Duct Boxes, Constant Volume Control	1,764.34	82.97
		<i>For Boxes With Motor, Add</i>	286.67	
23 36 13 00-0017	EA	12" Diameter Inlet, 250 - 1,200 CFM, Single Duct Boxes, Constant Volume Control	1,798.58	91.80
		<i>For Boxes With Motor, Add</i>	286.67	
23 36 13 00-0018	EA	14" Diameter Inlet, 350 - 1,680 CFM, Single Duct Boxes, Constant Volume Control	2,055.61	102.39
		<i>For Boxes With Motor, Add</i>	328.59	
23 36 13 00-0019	EA	16" Diameter Inlet, 450 - 2,160 CFM, Single Duct Boxes, Constant Volume Control	2,164.30	114.75
		<i>For Boxes With Motor, Add</i>	340.76	
23 36 13 00-0020	EA	20" x 16" Inlet, 550 - 2,640 CFM, Single Duct Boxes, Constant Volume Control	2,313.09	137.70
		<i>For Boxes With Motor, Add</i>	353.04	
23 36 13 00-0021	EA	24" x 16" Inlet, 650 - 3,120 CFM, Single Duct Boxes, Constant Volume Control	2,461.00	158.89
		<i>For Boxes With Motor, Add</i>	365.10	

23 36 13 00-0022 Dual Duct Boxes, Constant Volume Control (23 36 13 00-0011)

23 36 13 00-0023	EA	4 - 6" Diameter Inlet, 50 - 240 CFM, Dual Duct Boxes, Constant Volume Control	2,084.12	67.08
		<i>For Boxes With Motor, Add</i>	363.86	
23 36 13 00-0024	EA	6 - 8" Diameter Inlet, 100 - 480 CFM, Dual Duct Boxes, Constant Volume Control	2,231.02	72.38
		<i>For Boxes With Motor, Add</i>	388.43	
23 36 13 00-0025	EA	7 - 10" Diameter Inlet, 150 - 720 CFM, Dual Duct Boxes, Constant Volume Control	2,332.83	79.44
		<i>For Boxes With Motor, Add</i>	403.01	
23 36 13 00-0026	EA	9 - 12" Diameter Inlet, 200 - 960 CFM, Dual Duct Boxes, Constant Volume Control	2,430.51	82.97
		<i>For Boxes With Motor, Add</i>	419.90	
23 36 13 00-0027	EA	12" Diameter Inlet, 250 - 1,200 CFM, Dual Duct Boxes, Constant Volume Control	2,464.75	91.80
		<i>For Boxes With Motor, Add</i>	419.90	
23 36 13 00-0028	EA	14" Diameter Inlet, 350 - 1,680 CFM, Dual Duct Boxes, Constant Volume Control	2,830.77	104.16
		<i>For Boxes With Motor, Add</i>	483.62	
23 36 13 00-0029	EA	16" Diameter Inlet, 450 - 2,160 CFM, Dual Duct Boxes, Constant Volume Control	3,097.13	114.75
		<i>For Boxes With Motor, Add</i>	527.37	
23 36 13 00-0030	EA	20" x 16" Inlet, 550 - 2,640 CFM, Dual Duct Boxes, Constant Volume Control	3,349.78	137.70
		<i>For Boxes With Motor, Add</i>	560.38	
23 36 13 00-0031	EA	24" x 16" Inlet, 650 - 3,120 CFM, Dual Duct Boxes, Constant Volume Control	3,514.19	158.89
		<i>For Boxes With Motor, Add</i>	575.73	

23 36 16 Variable-Air-Volume Units (23 36)**23 36 16 00-0001 Variable Volume Terminal Unit (23 36 16)**

Note: Includes flow controllers, insulated plenum, system powered box mounted thermostat.

23 36 16 00-0002 Single Duct Variable Volume Terminal Unit (23 36 16 00-0001)

Note: Enclosure only. For mounting DDC controls.

23 36 16 00-0003	EA	6" Diameter Inlet, 80 To 500 CFM, Variable Air Volume Box With Enclosure Only	708.74	81.20
		<i>Note: For mounting DDC controls</i>		
		<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0004	EA	8" Diameter Inlet, 145 To 900 CFM, Variable Air Volume Box With Enclosure Only	794.69	91.80
		<i>Note: For mounting DDC controls</i>		
		<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0005	EA	10" Diameter Inlet, 230 To 1,400 CFM, Variable Air Volume Box With Enclosure Only	886.28	102.39
		<i>Note: For mounting DDC controls</i>		
		<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0006	EA	12" Diameter Inlet, 325 To 2,000 CFM, Variable Air Volume Box With Enclosure Only	951.26	114.75
		<i>Note: For mounting DDC controls</i>		
		<i>For Filters And Frames, Add</i>	6.30	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 36 16 00-0007	EA		14" Diameter Inlet, 450 To 3,000 CFM, Variable Air Volume Box With Enclosure Only	1,305.84	246.97
			Note: For mounting DDC controls		
			For Filters And Frames, Add	6.30	
23 36 16 00-0008	EA		16" Diameter Inlet, 580 To 4,000 CFM, Variable Air Volume Box With Enclosure Only	1,614.26	293.05
			Note: For mounting DDC controls		
			For Filters And Frames, Add	6.30	
23 36 16 00-0009 Single Duct Variable Volume Terminal Unit (23 36 16 00-0001)					
			Note: With pneumatic controls.		
23 36 16 00-0010	EA		6" Diameter Inlet, 80 - 500 CFM, Variable Air Volume Box With pneumatic controller	1,388.77	81.20
			For Fan Powered Variable Air Volume Box, Add	1,391.53	
			For Filters And Frames, Add	6.30	
			For Pressure Independent Actuator, Add	67.57	
			For Hot Water Coils, Add	433.04	
23 36 16 00-0011	EA		8" Diameter Inlet, 145 - 900 CFM, Variable Air Volume Box With pneumatic controller	1,506.64	91.80
			For Fan Powered Variable Air Volume Box, Add	1,491.40	
			For Filters And Frames, Add	6.30	
			For Pressure Independent Actuator, Add	67.57	
			For Hot Water Coils, Add	462.91	
23 36 16 00-0012	EA		10" Diameter Inlet, 230 - 1,400 CFM, Variable Air Volume Box With pneumatic controller	1,585.96	102.39
			For Fan Powered Variable Air Volume Box, Add	1,539.66	
			For Filters And Frames, Add	6.30	
			For Pressure Independent Actuator, Add	67.57	
			For Hot Water Coils, Add	475.85	
23 36 16 00-0013	EA		12" Diameter Inlet, 325 - 2,000 CFM, Variable Air Volume Box With pneumatic controller	1,663.21	114.75
			For Fan Powered Variable Air Volume Box, Add	1,584.92	
			For Filters And Frames, Add	6.30	
			For Pressure Independent Actuator, Add	67.57	
			For Hot Water Coils, Add	487.80	
23 36 16 00-0014	EA		14" Diameter Inlet, 450 To 3,000 CFM, Variable Air Volume Box With pneumatic controller	1,951.51	246.97
			For Fan Powered Variable Air Volume Box, Add	1,783.39	
			For Filters And Frames, Add	6.30	
			For Pressure Independent Actuator, Add	67.57	
			For Hot Water Coils, Add	543.54	
23 36 16 00-0015	EA		16" Diameter Inlet, 580 To 4,000 CFM, Variable Air Volume Box With pneumatic controller	2,313.93	293.05
			For Fan Powered Variable Air Volume Box, Add	1,944.87	
			For Filters And Frames, Add	6.30	
			For Pressure Independent Actuator, Add	67.57	
			For Hot Water Coils, Add	580.38	
23 36 16 00-0016 Single Duct Variable Volume Terminal Unit (23 36 16 00-0001)					
			Note: With analog electronic controls.		
23 36 16 00-0017	EA		6" Diameter Inlet, 60 To 500 CFM, Variable Air Volume Box With Analog Electronic Controls	2,235.75	81.20
			For Filters And Frames, Add	6.30	
			For Hot Water Coils, Add	776.49	
23 36 16 00-0018	EA		8" Diameter Inlet, 105 To 900 CFM, Variable Air Volume Box With Analog Electronic Controls	2,333.98	91.80
			For Filters And Frames, Add	6.30	
			For Hot Water Coils, Add	798.39	
23 36 16 00-0019	EA		10" Diameter Inlet, 165 To 1,400 CFM, Variable Air Volume Box With Analog Electronic Controls	2,425.57	102.39
			For Filters And Frames, Add	6.30	
			For Hot Water Coils, Add	816.31	
23 36 16 00-0020	EA		12" Diameter Inlet, 235 To 2,000 CFM, Variable Air Volume Box With Analog Electronic Controls	2,549.46	114.75
			For Filters And Frames, Add	6.30	
			For Hot Water Coils, Add	847.17	
23 36 16 00-0021	EA		14" Diameter Inlet, 320 To 3,000 CFM, Variable Air Volume Box With Analog Electronic Controls	2,840.22	246.97
			For Filters And Frames, Add	6.30	
			For Hot Water Coils, Add	903.92	
23 36 16 00-0022	EA		16" Diameter Inlet, 420 To 4,000 CFM, Variable Air Volume Box With Analog Electronic Controls	2,889.32	246.97
			For Filters And Frames, Add	6.30	
			For Hot Water Coils, Add	923.83	
23 36 16 00-0023 Dual Duct Variable Volume Terminal Unit (23 36 16 00-0001)					
			Note: With flow control installation, plenum system power box, thermostat.		
23 36 16 00-0024	EA		6" Diameter Inlet, 75 - 500 CFM, Variable Air Volume Box, Dual Duct.....	1,560.74	160.47
			For Filters And Frames, Add	6.30	
23 36 16 00-0025	EA		8" Diameter Inlet, 200 - 700 CFM, Variable Air Volume Box, Dual Duct.....	1,710.65	182.72
			For Filters And Frames, Add	6.30	
23 36 16 00-0026	EA		10" Diameter Inlet, 400 - 1,000 CFM, Variable Air Volume Box, Dual Duct.....	1,837.23	206.37
			For Filters And Frames, Add	6.30	
23 36 16 00-0027	EA		12" Diameter Inlet, 600 - 1,400 CFM, Variable Air Volume Box, Dual Duct.....	2,016.97	230.20
			For Filters And Frames, Add	6.30	
23 36 16 00-0028	EA		14" Diameter Inlet, 800 - 2,700 CFM, Variable Air Volume Box, Dual Duct.....	2,270.73	264.80
			For Filters And Frames, Add	6.30	
23 36 16 00-0029	EA		16" Diameter Inlet, 1,000 - 3,500 CFM, Variable Air Volume Box, Dual Duct.....	2,508.54	317.76
			For Filters And Frames, Add	6.30	
23 36 16 00-0030 Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-M) (23 36 16 00-0001)					
23 36 16 00-0031	EA		0 To 200 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-A).....	756.63	110.34
			For Filters And Frames, Add	6.30	
23 36 16 00-0032	EA		0 To 300 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-B).....	822.83	121.37
			For Filters And Frames, Add	6.30	
23 36 16 00-0033	EA		0 To 400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-C).....	890.58	132.40
			For Filters And Frames, Add	6.30	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 36 Air Terminal Units**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 36 16 00-0034	EA	0 To 700 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-D).....	959.98	143.43
		<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0035	EA	0 To 1,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-E).....	1,031.16	154.46
		<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0036	EA	0 To 1,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-F).....	1,104.22	165.50
		<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0037	EA	0 To 1,100 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-G).....	1,184.50	176.54
		<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0038	EA	0 To 1,900 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-H).....	1,262.12	187.57
		<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0039	EA	0 To 2,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-J).....	1,342.10	198.60
		<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0040	EA	0 To 3,800 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-K).....	1,424.55	209.63
		<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0041	EA	0 To 5,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-L).....	1,509.72	220.67
		<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0042	EA	0 To 5,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-M).....	1,597.74	231.70
		<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0043	EA	0 To 6,700 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-N).....	1,688.84	242.74
		<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0044	EA	0 To 10,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-P).....	1,776.11	253.77
		<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0045	EA	0 To 15,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-R).....	1,873.52	264.80
		<i>For Filters And Frames, Add</i>	6.30	

23 37 Air Outlets and Inlets (23 30)**23 37 13 Diffusers, Registers, and Grilles (23 37)****23 37 13 13 Diffusers, Registers, and Grilles (23 37 13)****23 37 13 13-0001 Ceiling Diffusers (23 37 13 13)****23 37 13 13-0002 Ceiling Diffusers With Perforated Face (23 37 13 13-0001)**

Note: Flush mount, aluminum construction, includes damper.

23 37 13 13-0003	EA	6" x 6" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper.....	158.33	22.95
		<i>For Stainless Steel, Add</i>	168.85	
		<i>For Surface Mount, Deduct</i>	-8.10	
		<i>For Steel Construction, Deduct</i>	-10.13	
		<i>For Diffuser Without Damper, Deduct</i>	-13.51	
23 37 13 13-0004	EA	8" x 8" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper.....	173.34	22.95
		<i>For Stainless Steel, Add</i>	206.38	
		<i>For Surface Mount, Deduct</i>	-9.91	
		<i>For Steel Construction, Deduct</i>	-12.38	
		<i>For Diffuser Without Damper, Deduct</i>	-16.51	
23 37 13 13-0005	EA	9" x 9" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper.....	173.34	22.95
		<i>For Stainless Steel, Add</i>	206.38	
		<i>For Surface Mount, Deduct</i>	-9.91	
		<i>For Steel Construction, Deduct</i>	-12.38	
		<i>For Diffuser Without Damper, Deduct</i>	-16.51	
23 37 13 13-0006	EA	10" x 10" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper.....	208.38	28.24
		<i>For Stainless Steel, Add</i>	247.03	
		<i>For Surface Mount, Deduct</i>	-11.86	
		<i>For Steel Construction, Deduct</i>	-14.82	
		<i>For Diffuser Without Damper, Deduct</i>	-19.76	
23 37 13 13-0007	EA	12" x 12" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper.....	208.38	26.48
		<i>For Stainless Steel, Add</i>	247.03	
		<i>For Surface Mount, Deduct</i>	-11.86	
		<i>For Steel Construction, Deduct</i>	-14.82	
		<i>For Diffuser Without Damper, Deduct</i>	-19.76	
23 37 13 13-0008	EA	16" x 16" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper.....	235.90	26.48
		<i>For Stainless Steel, Add</i>	315.83	
		<i>For Surface Mount, Deduct</i>	-15.16	
		<i>For Steel Construction, Deduct</i>	-18.95	
		<i>For Diffuser Without Damper, Deduct</i>	-25.27	
23 37 13 13-0009	EA	18" x 18" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper.....	273.39	35.31
		<i>For Stainless Steel, Add</i>	339.58	
		<i>For Surface Mount, Deduct</i>	-16.30	
		<i>For Steel Construction, Deduct</i>	-20.37	
		<i>For Diffuser Without Damper, Deduct</i>	-27.17	
23 37 13 13-0010	EA	20" x 20" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper.....	314.05	37.07
		<i>For Stainless Steel, Add</i>	424.03	
		<i>For Surface Mount, Deduct</i>	-20.35	
		<i>For Steel Construction, Deduct</i>	-25.44	
		<i>For Diffuser Without Damper, Deduct</i>	-33.92	
23 37 13 13-0011	EA	24" x 24" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper.....	356.75	42.37
		<i>For Stainless Steel, Add</i>	471.55	
		<i>For Surface Mount, Deduct</i>	-22.63	
		<i>For Steel Construction, Deduct</i>	-28.29	
		<i>For Diffuser Without Damper, Deduct</i>	-37.72	
		<i>For Lay-In Mount, Deduct</i>	-22.63	

23 37 13 13-0012 Ceiling Diffusers With Louver Face (23 37 13 13-0001)

Note: 1 To 4 way adjustable pattern, surface mount aluminum construction.

23 37 13 13-0013	EA	6" x 6" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper.....	163.34	22.95
		<i>For Stainless Steel, Add</i>	181.38	
		<i>For Steel Construction, Deduct</i>	-10.88	
		<i>For Flush Mount, Add</i>	10.88	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0014	EA	8" x 8" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	182.85	22.95
		For Stainless Steel, Add	230.15	
		For Steel Construction, Deduct	-13.81	
		For Flush Mount, Add	13.81	
23 37 13 13-0015	EA	9" x 9" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	182.85	22.95
		For Stainless Steel, Add	230.15	
		For Steel Construction, Deduct	-13.81	
		For Flush Mount, Add	13.81	
23 37 13 13-0016	EA	10" x 10" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	219.64	26.48
		For Stainless Steel, Add	275.18	
		For Steel Construction, Deduct	-16.51	
		For Flush Mount, Add	16.51	
23 37 13 13-0017	EA	12" x 12" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	219.64	28.24
		For Stainless Steel, Add	275.18	
		For Steel Construction, Deduct	-16.51	
		For Flush Mount, Add	16.51	
23 37 13 13-0018	EA	24" x 12" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	282.25	35.31
		For Stainless Steel, Add	360.23	
		For Steel Construction, Deduct	-21.61	
		For Flush Mount, Add	21.61	
23 37 13 13-0019	EA	14" x 14" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	255.73	35.31
		For Stainless Steel, Add	293.93	
		For Steel Construction, Deduct	-17.64	
		For Flush Mount, Add	17.64	
23 37 13 13-0020	EA	18" x 18" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	318.08	42.37
		For Stainless Steel, Add	377.10	
		For Steel Construction, Deduct	-22.63	
		For Flush Mount, Add	22.63	
23 37 13 13-0021	EA	21" x 21" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	363.96	47.66
		For Stainless Steel, Add	469.05	
		For Steel Construction, Deduct	-28.14	
		For Flush Mount, Add	28.14	
23 37 13 13-0022	EA	24" x 24" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	396.30	93.39
		For Stainless Steel, Add	523.45	
		For Steel Construction, Deduct	-31.41	
		For Lay-In Mount, Add	41.88	
		For Flush Mount, Add	31.41	
23 37 13 13-0023		Round Ceiling Diffusers With Fixed Pattern (23 37 13 13-0001)		
		Note: Aluminum construction.		
23 37 13 13-0024	EA	6" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	253.17	22.95
		For Stainless Steel, Add	405.95	
		For Steel Construction, Deduct	-48.71	
23 37 13 13-0025	EA	8" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	261.50	22.95
		For Stainless Steel, Add	426.78	
		For Steel Construction, Deduct	-51.21	
23 37 13 13-0026	EA	10" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	296.93	28.24
		For Stainless Steel, Add	468.40	
		For Steel Construction, Deduct	-56.21	
23 37 13 13-0027	EA	12" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	317.75	26.48
		For Stainless Steel, Add	520.45	
		For Steel Construction, Deduct	-62.45	
23 37 13 13-0028	EA	14" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	447.70	31.78
		For Stainless Steel, Add	801.48	
		For Steel Construction, Deduct	-96.18	
23 37 13 13-0029	EA	16" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	471.73	33.54
		For Stainless Steel, Add	848.33	
		For Steel Construction, Deduct	-101.80	
23 37 13 13-0030	EA	18" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	496.22	35.31
		For Stainless Steel, Add	895.15	
		For Steel Construction, Deduct	-107.42	
23 37 13 13-0031	EA	20" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	570.05	35.31
		For Stainless Steel, Add	1,064.03	
		For Steel Construction, Deduct	-127.68	
23 37 13 13-0032	EA	24" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	677.02	40.60
		For Stainless Steel, Add	1,295.33	
		For Steel Construction, Deduct	-155.44	
23 37 13 13-0033	EA	28" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	759.39	42.37
		For Stainless Steel, Add	1,480.38	
		For Steel Construction, Deduct	-177.65	
23 37 13 13-0034	EA	32" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	903.98	47.66
		For Stainless Steel, Add	1,792.65	
		For Steel Construction, Deduct	-215.12	
23 37 13 13-0035		Round Ceiling Diffusers With Adjustable Pattern Dropped Style (23 37 13 13-0001)		
		Note: Aluminum construction.		
23 37 13 13-0036	EA	6" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	265.66	22.95
		For Stainless Steel, Add	437.18	
		For Flush Mount, Deduct	-8.74	
		For Steel Construction, Deduct	-17.49	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 37 Air Outlets and Inlets**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 37 13 13-0037	EA	8" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	287.17	22.95
		For Stainless Steel, Add	490.95	
		For Flush Mount, Deduct	-9.82	
		For Steel Construction, Deduct	-19.64	
23 37 13 13-0038	EA	10" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	327.00	28.24
		For Stainless Steel, Add	543.58	
		For Flush Mount, Deduct	-10.87	
		For Steel Construction, Deduct	-21.74	
23 37 13 13-0039	EA	12" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	351.06	28.24
		For Stainless Steel, Add	603.73	
		For Flush Mount, Deduct	-12.07	
		For Steel Construction, Deduct	-24.15	
23 37 13 13-0040	EA	14" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	501.83	31.78
		For Stainless Steel, Add	936.80	
		For Flush Mount, Deduct	-18.74	
		For Steel Construction, Deduct	-37.47	
23 37 13 13-0041	EA	16" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	413.63	33.54
		For Stainless Steel, Add	1,000.98	
		For Flush Mount, Deduct	-20.02	
		For Steel Construction, Deduct	-40.04	
23 37 13 13-0042	EA	18" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	564.23	35.31
		For Stainless Steel, Add	1,065.18	
		For Flush Mount, Deduct	-21.30	
		For Steel Construction, Deduct	-42.61	
23 37 13 13-0043	EA	20" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	651.01	37.07
		For Stainless Steel, Add	1,266.43	
		For Flush Mount, Deduct	-25.33	
		For Steel Construction, Deduct	-50.66	
23 37 13 13-0044	EA	24" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	734.39	40.60
		For Stainless Steel, Add	1,438.75	
		For Flush Mount, Deduct	-28.78	
		For Steel Construction, Deduct	-57.55	
23 37 13 13-0045	EA	28" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	884.30	42.37
		For Stainless Steel, Add	1,792.65	
		For Flush Mount, Deduct	-35.85	
		For Steel Construction, Deduct	-71.71	
23 37 13 13-0046	EA	32" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	1,061.73	47.66
		For Stainless Steel, Add	2,187.03	
		For Flush Mount, Deduct	-43.74	
		For Steel Construction, Deduct	-87.48	
23 37 13 13-0047	EA	36" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	1,174.27	99.39
		For Stainless Steel, Add	2,439.18	

23 37 13 13-0048 Linear Type Ceiling Diffusers With 2-Way Air Deflection (23 37 13 13-0001)

23 37 13 13-0049	LF	4" Linear Type Ceiling Diffuser 40-200 CFM/LF, With 2-Way Air Deflection.....	210.99	26.48
		For Stainless Steel, Add	262.68	
23 37 13 13-0050	LF	6-1/4" Linear Type Ceiling Diffuser, 41 - 206 CFM/LF, With 2-Way Air Deflection.....	225.28	26.48
		For Stainless Steel, Add	298.40	
23 37 13 13-0051	LF	9-1/4" Linear Type Ceiling Diffuser, 62 - 312 CFM/LF, With 2-Way Air Deflection.....	242.85	26.48
		For Stainless Steel, Add	342.33	
23 37 13 13-0052	LF	12-1/4" Linear Type Ceiling Diffuser, 131 - 656 CFM/LF, With 2-Way Air Deflection.....	259.97	26.48
		For Stainless Steel, Add	385.13	

23 37 13 13-0053 Wall And Floor Diffusers (23 37 13 13)**23 37 13 13-0054 Slot Type Linear Diffusers (23 37 13 13-0053)**

Note: For sidewall sill or ceiling 1/2" 3/4" or 1" slot spacing 1-1/8" border.

23 37 13 13-0055	LF	1 Slot Linear Diffusers 10 - 70 CFM/LF, Sidewall, Sill, Ceiling.....	71.77	8.83
		For Floor Mounted Diffusers, Add	10.41	
		For Stainless Steel, Add	45.11	
		For 3/4" Border, Add	8.68	
23 37 13 13-0056	LF	2 Slot Linear Diffusers 20 - 140 CFM/LF, Sidewall, Sill, Ceiling.....	86.84	10.59
		For Floor Mounted Diffusers, Add	13.88	
		For Stainless Steel, Add	60.14	
		For 3/4" Border, Add	11.57	
23 37 13 13-0057	LF	3 Slot Linear Diffusers 30 - 210 CFM/LF, Sidewall, Sill, Ceiling.....	118.78	12.36
		For Floor Mounted Diffusers, Add	21.86	
		For Stainless Steel, Add	94.72	
		For 3/4" Border, Add	18.22	
23 37 13 13-0058	LF	4 Slot Linear Diffusers 40 - 280 CFM/LF, Sidewall, Sill, Ceiling.....	155.26	12.36
		For Floor Mounted Diffusers, Add	31.23	
		For Stainless Steel, Add	135.32	
		For 3/4" Border, Add	26.02	
23 37 13 13-0059	LF	5 Slot Linear Diffusers 50 - 350 CFM/LF, Sidewall, Sill, Ceiling.....	193.62	14.13
		For Floor Mounted Diffusers, Add	40.60	
		For Stainless Steel, Add	175.92	
		For 3/4" Border, Add	33.83	
23 37 13 13-0060	LF	6 Slot Linear Diffusers 60 - 420 CFM/LF, Sidewall, Sill, Ceiling.....	226.63	17.65
		For Floor Mounted Diffusers, Add	47.88	
		For Stainless Steel, Add	207.48	
		For 3/4" Border, Add	39.90	

23 37 13 13-0061 Linear Bar Grilles And Registers (23 37 13 13-0053)

Note: For sidewall sill or ceiling or 15 degree deflection 1/2" bar spacing 1" border aluminum construction.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0062	LF		2" Wide Linear Bar Grilles/Registers 30 - 70 CFM/LF, Sidewall, Sill, Ceiling.....	208.28	10.59
			For Stainless Steel, Add	218.01	
			For Floor Mount, Add	16.77	
			For Opposed Blade Damper, Add	33.54	
23 37 13 13-0063	LF		3" Wide Linear Bar Grilles/Registers 55 - 143 CFM/LF, Sidewall, Sill, Ceiling.....	248.31	12.36
			For Stainless Steel, Add	263.11	
			For Floor Mount, Add	20.24	
			For Opposed Blade Damper, Add	40.48	
23 37 13 13-0064	LF		4" Wide Linear Bar Grilles/Registers 80 - 208 CFM/LF, Sidewall, Sill, Ceiling.....	270.91	12.36
			For Stainless Steel, Add	285.66	
			For Floor Mount, Add	21.97	
			For Opposed Blade Damper, Add	43.95	
23 37 13 13-0065	LF		6" Wide Linear Bar Grilles/Registers 125 - 325 CFM/LF, Sidewall, Sill, Ceiling.....	333.03	17.65
			For Stainless Steel, Add	345.80	
			For Floor Mount, Add	26.60	
			For Opposed Blade Damper, Add	53.20	
23 37 13 13-0066	LF		9" Wide Linear Bar Grilles/Registers 225 - 450 CFM/LF, Sidewall, Sill, Ceiling.....	460.11	22.95
			For Stainless Steel, Add	481.12	
			For Floor Mount, Add	37.01	
			For Opposed Blade Damper, Add	74.02	
23 37 13 13-0067	LF		12" Wide Linear Bar Grilles/Registers 225 - 495 CFM/LF, Sidewall, Sill, Ceiling.....	531.71	26.48
			For Stainless Steel, Add	548.78	
			For Floor Mount, Add	42.21	
			For Opposed Blade Damper, Add	84.43	
23 37 13 13-0068			Return/Exhaust Registers And Grilles (23 37 13 13)		
23 37 13 13-0069			Return/Exhaust Registers With Frame (23 37 13 13-0068)		
			Note: Single deflection with opposed blade damper aluminum construction wall or ceiling mount.		
23 37 13 13-0070	EA		8" x 4" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	147.89	14.13
			For Grilles (No Damper), Deduct	-37.24	
			For Steel Construction, Deduct	-18.62	
			For Cube Core With Frame, Add	9.31	
			For Removable Core, Add	35.00	
			For Cube Core Lay In, Add	18.62	
			For Stainless Steel, Add	232.75	
23 37 13 13-0071	EA		8" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	168.13	14.13
			For Grilles (No Damper), Deduct	-45.34	
			For Steel Construction, Deduct	-22.67	
			For Cube Core With Frame, Add	11.33	
			For Removable Core, Add	35.00	
			For Cube Core Lay In, Add	22.67	
			For Stainless Steel, Add	283.35	
23 37 13 13-0072	EA		10" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	189.03	15.88
			For Grilles (No Damper), Deduct	-50.19	
			For Steel Construction, Deduct	-25.10	
			For Cube Core With Frame, Add	12.55	
			For Removable Core, Add	35.00	
			For Cube Core Lay In, Add	25.10	
			For Stainless Steel, Add	313.70	
23 37 13 13-0073	EA		10" x 10" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	199.38	17.65
			For Grilles (No Damper), Deduct	-50.19	
			For Steel Construction, Deduct	-25.10	
			For Cube Core With Frame, Add	12.55	
			For Removable Core, Add	35.00	
			For Cube Core Lay In, Add	25.10	
			For Stainless Steel, Add	313.70	
23 37 13 13-0074	EA		12" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	191.29	17.65
			For Grilles (No Damper), Deduct	-46.96	
			For Steel Construction, Deduct	-23.48	
			For Cube Core With Frame, Add	11.74	
			For Removable Core, Add	35.00	
			For Cube Core Lay In, Add	23.48	
			For Stainless Steel, Add	293.48	
23 37 13 13-0075	EA		12" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	244.61	22.95
			For Grilles (No Damper), Deduct	-61.53	
			For Steel Construction, Deduct	-30.76	
			For Cube Core With Frame, Add	15.38	
			For Removable Core, Add	35.00	
			For Cube Core Lay In, Add	30.76	
			For Stainless Steel, Add	384.55	
23 37 13 13-0076	EA		16" x 16" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	293.23	26.48
			For Grilles (No Damper), Deduct	-73.46	
			For Steel Construction, Deduct	-36.73	
			For Cube Core With Frame, Add	18.37	
			For Removable Core, Add	35.00	
			For Cube Core Lay In, Add	36.73	
			For Stainless Steel, Add	459.15	
23 37 13 13-0077	EA		18" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	357.83	31.78
			For Grilles (No Damper), Deduct	-92.29	
			For Steel Construction, Deduct	-46.14	
			For Cube Core With Frame, Add	23.07	
			For Removable Core, Add	35.00	
			For Cube Core Lay In, Add	46.14	
			For Stainless Steel, Add	576.80	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 37 Air Outlets and Inlets**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

23 37 13 13-0078	EA 20" x 20" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	417.56	35.31
	For Grilles (No Damper), Deduct	-111.76	
	For Steel Construction, Deduct	-55.88	
	For Cube Core With Frame, Add	27.94	
	For Removable Core, Add	35.00	
	For Cube Core Lay In, Add	55.88	
	For Stainless Steel, Add	698.50	
23 37 13 13-0079	EA 24" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	378.14	35.31
	For Grilles (No Damper), Deduct	-93.48	
	For Steel Construction, Deduct	-46.74	
	For Cube Core With Frame, Add	23.37	
	For Removable Core, Add	35.00	
	For Cube Core Lay In, Add	46.74	
	For Stainless Steel, Add	584.25	
23 37 13 13-0080	EA 24" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	427.78	35.31
	For Grilles (No Damper), Deduct	-113.34	
	For Steel Construction, Deduct	-56.67	
	For Cube Core With Frame, Add	28.33	
	For Removable Core, Add	35.00	
	For Cube Core Lay In, Add	56.67	
	For Stainless Steel, Add	708.35	
23 37 13 13-0081	EA 24" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	452.57	40.60
	For Grilles (No Damper), Deduct	-117.47	
	For Steel Construction, Deduct	-58.74	
	For Cube Core With Frame, Add	29.37	
	For Removable Core, Add	35.00	
	For Cube Core Lay In, Add	58.74	
	For Stainless Steel, Add	734.20	
23 37 13 13-0082	EA 30" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	479.35	42.37
	For Grilles (No Damper), Deduct	-124.84	
	For Steel Construction, Deduct	-62.42	
	For Cube Core With Frame, Add	31.21	
	For Removable Core, Add	35.00	
	For Cube Core Lay In, Add	62.42	
	For Stainless Steel, Add	780.28	
23 37 13 13-0083	EA 30" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	551.21	47.66
	For Grilles (No Damper), Deduct	-145.72	
	For Steel Construction, Deduct	-72.86	
	For Cube Core With Frame, Add	36.43	
	For Removable Core, Add	35.00	
	For Cube Core Lay In, Add	72.86	
	For Stainless Steel, Add	910.73	
23 37 13 13-0084	EA 30" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	621.22	56.50
	For Grilles (No Damper), Deduct	-157.70	
	For Steel Construction, Deduct	-78.85	
	For Cube Core With Frame, Add	39.42	
	For Removable Core, Add	35.00	
	For Cube Core Lay In, Add	78.85	
	For Stainless Steel, Add	985.60	
23 37 13 13-0085	EA 30" x 30" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	792.62	56.50
	For Grilles (No Damper), Deduct	-226.26	
	For Steel Construction, Deduct	-113.13	
	For Cube Core With Frame, Add	56.56	
	For Removable Core, Add	35.00	
	For Cube Core Lay In, Add	113.13	
	For Stainless Steel, Add	1,414.10	
23 37 13 13-0086	EA 36" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	670.33	61.79
	For Grilles (No Damper), Deduct	-170.36	
	For Steel Construction, Deduct	-85.18	
	For Cube Core With Frame, Add	42.59	
	For Removable Core, Add	35.00	
	For Cube Core Lay In, Add	85.18	
	For Stainless Steel, Add	1,064.73	
23 37 13 13-0087	EA 36" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	654.05	60.02
	For Grilles (No Damper), Deduct	-163.84	
	For Steel Construction, Deduct	-81.92	
	For Cube Core With Frame, Add	40.96	
	For Removable Core, Add	35.00	
	For Cube Core Lay In, Add	81.92	
	For Stainless Steel, Add	1,024.03	
23 37 13 13-0088	EA 36" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	741.83	67.08
	For Grilles (No Damper), Deduct	-190.81	
	For Steel Construction, Deduct	-95.41	
	For Cube Core With Frame, Add	47.70	
	For Removable Core, Add	35.00	
	For Cube Core Lay In, Add	95.41	
	For Stainless Steel, Add	1,192.58	
23 37 13 13-0089	EA 36" x 36" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	990.94	72.38
	For Grilles (No Damper), Deduct	-280.82	
	For Steel Construction, Deduct	-140.41	
	For Cube Core With Frame, Add	70.21	
	For Removable Core, Add	35.00	
	For Cube Core Lay In, Add	140.41	
	For Stainless Steel, Add	1,755.15	
23 37 13 13-0090	EA 24" x 20" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	446.97	40.78
	For Grilles (No Damper), Deduct	-113.62	
	For Steel Construction, Deduct	-56.81	
	For Cube Core With Frame, Add	28.41	
	For Removable Core, Add	35.00	
	For Cube Core Lay In, Add	56.81	
	For Stainless Steel, Add	710.13	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0091	EA		32" x 40" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	763.32	61.11
			For Grilles (No Damper), Deduct	-207.55	
			For Steel Construction, Deduct	-103.78	
			For Cube Core With Frame, Add	51.89	
			For Removable Core, Add	35.00	
			For Cube Core Lay In, Add	103.78	
			For Stainless Steel, Add	1,297.20	
23 37 13 13-0092	EA		48" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	885.34	72.38
			For Grilles (No Damper), Deduct	-238.16	
			For Steel Construction, Deduct	-119.08	
			For Cube Core With Frame, Add	59.54	
			For Removable Core, Add	35.00	
			For Cube Core Lay In, Add	119.08	
			For Stainless Steel, Add	1,488.53	
23 37 13 13-0093 Return/Exhaust Registers Removable-Reversible (23 37 13 13-0068)					
Note: Double deflection core and opposed blade damper radiused frame with boarder aluminum construction.					
23 37 13 13-0094	EA		8" x 4" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	137.37	14.13
			For Grilles (No Damper), Deduct	-16.52	
			For Flat Frame, Deduct	-0.83	
			For Steel Construction, Deduct	-8.26	
			For Stainless Steel, Add	206.45	
23 37 13 13-0095	EA		8" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	137.37	14.13
			For Grilles (No Damper), Deduct	-16.52	
			For Flat Frame, Deduct	-0.83	
			For Steel Construction, Deduct	-8.26	
			For Stainless Steel, Add	206.45	
23 37 13 13-0096	EA		10" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	167.99	15.88
			For Grilles (No Damper), Deduct	-20.89	
			For Flat Frame, Deduct	-1.04	
			For Steel Construction, Deduct	-10.44	
			For Stainless Steel, Add	261.10	
23 37 13 13-0097	EA		10" x 10" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	192.91	19.42
			For Grilles (No Damper), Deduct	-23.80	
			For Flat Frame, Deduct	-1.19	
			For Steel Construction, Deduct	-11.90	
			For Stainless Steel, Add	297.53	
23 37 13 13-0098	EA		12" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	190.48	17.65
			For Grilles (No Damper), Deduct	-23.32	
			For Flat Frame, Deduct	-1.17	
			For Steel Construction, Deduct	-11.66	
			For Stainless Steel, Add	291.45	
23 37 13 13-0099	EA		12" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	246.23	22.95
			For Grilles (No Damper), Deduct	-31.09	
			For Flat Frame, Deduct	-1.55	
			For Steel Construction, Deduct	-15.54	
			For Stainless Steel, Add	388.60	
23 37 13 13-0100	EA		16" x 16" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	390.49	28.24
			For Grilles (No Damper), Deduct	-56.18	
			For Flat Frame, Deduct	-2.81	
			For Steel Construction, Deduct	-28.09	
			For Stainless Steel, Add	702.30	
23 37 13 13-0101	EA		18" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	469.56	31.78
			For Grilles (No Damper), Deduct	-68.49	
			For Flat Frame, Deduct	-3.42	
			For Steel Construction, Deduct	-34.25	
			For Stainless Steel, Add	856.13	
23 37 13 13-0102	EA		20" x 20" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	529.19	35.31
			For Grilles (No Damper), Deduct	-78.21	
			For Flat Frame, Deduct	-3.91	
			For Steel Construction, Deduct	-39.10	
			For Stainless Steel, Add	977.58	
23 37 13 13-0103	EA		24" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	445.60	35.31
			For Grilles (No Damper), Deduct	-60.23	
			For Flat Frame, Deduct	-3.01	
			For Steel Construction, Deduct	-30.12	
			For Stainless Steel, Add	752.90	
23 37 13 13-0104	EA		24" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	591.33	37.07
			For Grilles (No Damper), Deduct	-89.38	
			For Flat Frame, Deduct	-4.47	
			For Steel Construction, Deduct	-44.69	
			For Stainless Steel, Add	1,117.23	
23 37 13 13-0105	EA		24" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	688.35	40.60
			For Grilles (No Damper), Deduct	-105.89	
			For Flat Frame, Deduct	-5.29	
			For Steel Construction, Deduct	-52.95	
			For Stainless Steel, Add	1,323.65	
23 37 13 13-0106	EA		30" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	536.41	42.37
			For Grilles (No Damper), Deduct	-73.83	
			For Flat Frame, Deduct	-3.69	
			For Steel Construction, Deduct	-36.92	
			For Stainless Steel, Add	922.93	
23 37 13 13-0107	EA		30" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	730.96	47.66
			For Grilles (No Damper), Deduct	-108.81	
			For Flat Frame, Deduct	-5.44	
			For Steel Construction, Deduct	-54.40	
			For Stainless Steel, Add	1,360.10	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 37 Air Outlets and Inlets**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

23 37 13 13-0108	EA	30" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	880.31	56.50
		For Grilles (No Damper), Deduct	-130.67	
		For Flat Frame, Deduct	-6.53	
		For Steel Construction, Deduct	-65.33	
		For Stainless Steel, Add	1,633.33	
23 37 13 13-0109	EA	30" x 30" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	1,002.96	56.50
		For Grilles (No Damper), Deduct	-155.20	
		For Flat Frame, Deduct	-7.76	
		For Steel Construction, Deduct	-77.60	
		For Stainless Steel, Add	1,939.95	
23 37 13 13-0110	EA	36" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	698.61	60.02
		For Grilles (No Damper), Deduct	-90.83	
		For Flat Frame, Deduct	-4.54	
		For Steel Construction, Deduct	-45.42	
		For Stainless Steel, Add	1,135.43	
23 37 13 13-0111	EA	36" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	931.77	60.02
		For Grilles (No Damper), Deduct	-137.47	
		For Flat Frame, Deduct	-6.87	
		For Steel Construction, Deduct	-68.73	
		For Stainless Steel, Add	1,718.33	
23 37 13 13-0112	EA	36" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	1,076.00	67.08
		For Grilles (No Damper), Deduct	-162.24	
		For Flat Frame, Deduct	-8.11	
		For Steel Construction, Deduct	-81.12	
		For Stainless Steel, Add	2,028.00	
23 37 13 13-0113	EA	36" x 30" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	1,254.30	72.38
		For Grilles (No Damper), Deduct	-193.08	
		For Flat Frame, Deduct	-9.65	
		For Steel Construction, Deduct	-96.54	
		For Stainless Steel, Add	2,413.55	
23 37 13 13-0114	EA	36" x 36" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	1,322.31	72.38
		For Grilles (No Damper), Deduct	-206.69	
		For Flat Frame, Deduct	-10.33	
		For Steel Construction, Deduct	-103.34	
		For Stainless Steel, Add	2,583.58	

23 37 13 13-0115 Aluminum Eggcrate Ceiling Return Air And Exhaust Grilles (23 37 13 13-0068)

23 37 13 13-0116	EA	6" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	76.00	17.26
23 37 13 13-0117	EA	8" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	76.00	17.26
23 37 13 13-0118	EA	8" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	81.43	17.26
23 37 13 13-0119	EA	8" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	83.61	17.26
23 37 13 13-0120	EA	10" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	81.43	17.26
23 37 13 13-0121	EA	10" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	83.61	17.26
23 37 13 13-0122	EA	10" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	102.06	22.62
23 37 13 13-0123	EA	10" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	104.24	22.62
23 37 13 13-0124	EA	12" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	99.89	22.62
23 37 13 13-0125	EA	12" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	104.24	22.62
23 37 13 13-0126	EA	12" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	106.41	22.62
23 37 13 13-0127	EA	12" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	108.59	22.62
23 37 13 13-0128	EA	14" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	105.32	22.62
23 37 13 13-0129	EA	14" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	109.67	22.62
23 37 13 13-0130	EA	14" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	111.85	22.62
23 37 13 13-0131	EA	14" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	121.63	22.62
23 37 13 13-0132	EA	16" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	109.67	22.62
23 37 13 13-0133	EA	16" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	117.28	22.62
23 37 13 13-0134	EA	16" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	121.63	22.62
23 37 13 13-0135	EA	16" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	159.61	33.36
23 37 13 13-0136	EA	16" x 16" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	161.78	33.36
23 37 13 13-0137	EA	18" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	157.43	33.36
23 37 13 13-0138	EA	18" x 18" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	191.11	38.73
23 37 13 13-0139	EA	20" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	155.26	33.36
23 37 13 13-0140	EA	20" x 20" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	201.98	38.73
23 37 13 13-0141	EA	22" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	107.50	22.62
23 37 13 13-0142	EA	22" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	157.43	33.36
23 37 13 13-0143	EA	22" x 22" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	226.95	44.11
23 37 13 13-0144	EA	24" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	155.26	33.36
23 37 13 13-0145	EA	24" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	159.61	33.36
23 37 13 13-0146	EA	24" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	184.59	38.73
		For Lay-In Installation, Deduct	-81.69	
23 37 13 13-0147	EA	24" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	191.11	38.73
23 37 13 13-0148	EA	24" x 16" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	213.90	44.11
23 37 13 13-0149	EA	24" x 18" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	220.43	44.11
23 37 13 13-0150	EA	24" x 20" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	228.04	44.11
23 37 13 13-0151	EA	24" x 24" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	242.17	44.11
		For Lay-In Installation, Deduct	-93.51	
23 37 13 13-0152	EA	30" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	187.85	38.73
23 37 13 13-0153	EA	48" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	293.24	48.34
23 37 13 13-0154	EA	48" x 24" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	483.44	59.08
		For Lay-In Installation, Deduct	-134.60	

23 37 13 13-0155 Supply Registers and Grilles (23 37 13 13)**23 37 13 13-0156 Adjustable Curved Blade Register (23 37 13 13-0155)**

Note: Ceiling mount aluminum construction four way pattern flush frame.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0157	EA		6" x 6" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	125.48	14.13
			For Lay In Frame, Deduct	-17.70	
			For Grille (No Damper), Deduct	-10.62	
			For One Way Pattern, Deduct	-5.66	
			For Steel Construction, Deduct	-10.62	
			For Two Way Pattern, Deduct	-5.66	
			For Three Way Pattern, Deduct	-7.08	
			For Stainless Steel, Add	176.95	
23 37 13 13-0158	EA		8" x 8" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	129.64	14.13
			For Lay In Frame, Deduct	-18.74	
			For Grille (No Damper), Deduct	-11.24	
			For One Way Pattern, Deduct	-6.00	
			For Steel Construction, Deduct	-11.24	
			For Two Way Pattern, Deduct	-6.00	
			For Three Way Pattern, Deduct	-7.49	
			For Stainless Steel, Add	187.35	
23 37 13 13-0159	EA		12" x 6" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	144.85	19.42
			For Lay In Frame, Deduct	-17.70	
			For Grille (No Damper), Deduct	-10.62	
			For One Way Pattern, Deduct	-5.66	
			For Steel Construction, Deduct	-10.62	
			For Two Way Pattern, Deduct	-5.66	
			For Three Way Pattern, Deduct	-7.08	
			For Stainless Steel, Add	176.95	
23 37 13 13-0160	EA		10" x 10" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	160.12	17.65
			For Lay In Frame, Deduct	-21.51	
			For Grille (No Damper), Deduct	-12.91	
			For One Way Pattern, Deduct	-6.88	
			For Steel Construction, Deduct	-12.91	
			For Two Way Pattern, Deduct	-6.88	
			For Three Way Pattern, Deduct	-8.61	
			For Stainless Steel, Add	215.13	
23 37 13 13-0161	EA		12" x 12" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	192.72	22.95
			For Lay In Frame, Deduct	-25.68	
			For Grille (No Damper), Deduct	-15.41	
			For One Way Pattern, Deduct	-8.22	
			For Steel Construction, Deduct	-15.41	
			For Two Way Pattern, Deduct	-8.22	
			For Three Way Pattern, Deduct	-10.27	
			For Stainless Steel, Add	256.75	
23 37 13 13-0162	EA		14" x 14" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	237.25	26.48
			For Lay In Frame, Deduct	-31.92	
			For Grille (No Damper), Deduct	-19.15	
			For One Way Pattern, Deduct	-10.21	
			For Steel Construction, Deduct	-19.15	
			For Two Way Pattern, Deduct	-10.21	
			For Three Way Pattern, Deduct	-12.77	
			For Stainless Steel, Add	319.20	
23 37 13 13-0163	EA		16" x 16" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	237.25	26.48
			For Lay In Frame, Deduct	-31.92	
			For Grille (No Damper), Deduct	-19.15	
			For One Way Pattern, Deduct	-10.21	
			For Steel Construction, Deduct	-19.15	
			For Two Way Pattern, Deduct	-10.21	
			For Three Way Pattern, Deduct	-12.77	
			For Stainless Steel, Add	319.20	
23 37 13 13-0164	EA		18" x 18" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	293.00	35.31
			For Lay In Frame, Deduct	-38.86	
			For Grille (No Damper), Deduct	-23.32	
			For One Way Pattern, Deduct	-12.44	
			For Steel Construction, Deduct	-23.32	
			For Two Way Pattern, Deduct	-12.44	
			For Three Way Pattern, Deduct	-15.54	
			For Stainless Steel, Add	388.60	
23 37 13 13-0165	EA		24" x 24" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	378.99	37.07
			For Lay In Frame, Deduct	-58.64	
			For Grille (No Damper), Deduct	-35.18	
			For One Way Pattern, Deduct	-18.76	
			For Steel Construction, Deduct	-35.18	
			For Two Way Pattern, Deduct	-18.76	
			For Three Way Pattern, Deduct	-23.46	
			For Stainless Steel, Add	586.38	
23 37 13 13-0166	EA		30" x 30" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	600.08	74.85
			For Lay In Frame, Deduct	-112.59	
			For Grille (No Damper), Deduct	-67.55	
			For One Way Pattern, Deduct	-36.03	
			For Steel Construction, Deduct	-67.55	
			For Two Way Pattern, Deduct	-36.03	
			For Three Way Pattern, Deduct	-45.04	
			For Stainless Steel, Add	1,125.90	
23 37 13 13-0167			Removable-Reversible Core Registers (23 37 13 13-0155)		
			Note: Double deflection radiused frame aluminum construction.		
23 37 13 13-0168	EA		6" x 6" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	143.52	14.13
			For Grille (No Damper), Deduct	-26.65	
			For Flat Frame, Deduct	-8.88	
			For Steel Construction, Deduct	-8.88	
			For Stainless Steel, Add	222.05	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 37 Air Outlets and Inlets**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 37 13 13-0169	EA	8" x 8" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	179.61	14.13
		For Grille (No Damper), Deduct	-37.47	
		For Flat Frame, Deduct	-12.49	
		For Steel Construction, Deduct	-12.49	
		For Stainless Steel, Add	312.28	
23 37 13 13-0170	EA	12" x 6" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	229.51	19.42
		For Grille (No Damper), Deduct	-46.63	
		For Flat Frame, Deduct	-15.54	
		For Steel Construction, Deduct	-15.54	
		For Stainless Steel, Add	388.60	
23 37 13 13-0171	EA	10" x 10" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	232.28	19.42
		For Grille (No Damper), Deduct	-47.46	
		For Flat Frame, Deduct	-15.82	
		For Steel Construction, Deduct	-15.82	
		For Stainless Steel, Add	395.53	
23 37 13 13-0172	EA	12" x 12" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	295.42	22.95
		For Grille (No Damper), Deduct	-61.62	
		For Flat Frame, Deduct	-20.54	
		For Steel Construction, Deduct	-20.54	
		For Stainless Steel, Add	513.50	
23 37 13 13-0173	EA	14" x 14" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	417.67	28.24
		For Grille (No Damper), Deduct	-92.43	
		For Flat Frame, Deduct	-30.81	
		For Steel Construction, Deduct	-30.81	
		For Stainless Steel, Add	770.25	
23 37 13 13-0174	EA	16" x 16" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	467.63	26.48
		For Grille (No Damper), Deduct	-107.42	
		For Flat Frame, Deduct	-35.81	
		For Steel Construction, Deduct	-35.81	
		For Stainless Steel, Add	895.15	
23 37 13 13-0175	EA	18" x 18" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	565.02	35.31
		For Grille (No Damper), Deduct	-128.24	
		For Flat Frame, Deduct	-42.75	
		For Steel Construction, Deduct	-42.75	
		For Stainless Steel, Add	1,068.65	
23 37 13 13-0176	EA	24" x 24" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	707.91	35.31
		For Grille (No Damper), Deduct	-169.04	
		For Flat Frame, Deduct	-56.35	
		For Steel Construction, Deduct	-56.35	
		For Stainless Steel, Add	1,408.68	

23 37 13 13-0177 Supply Grille, Aluminum Drum With Aluminum Border (23 37 13 13-0155)

Note: Titus DL.

23 37 13 13-0178	EA	9" x 6" Supply Grille, Aluminum Drum	108.53	27.36
		For Stainless Steel, Add	134.60	
23 37 13 13-0179	EA	12" x 6" Supply Grille, Aluminum Drum	151.28	37.07
		For Stainless Steel, Add	193.03	
23 37 13 13-0180	EA	18" x 6" Supply Grille, Aluminum Drum	164.40	37.07
		For Stainless Steel, Add	225.83	
23 37 13 13-0181	EA	24" x 6" Supply Grille, Aluminum Drum	184.95	45.02
		For Stainless Steel, Add	237.35	
23 37 13 13-0182	EA	30" x 6" Supply Grille, Aluminum Drum	234.39	54.90
		For Stainless Steel, Add	312.05	
23 37 13 13-0183	EA	36" x 6" Supply Grille, Aluminum Drum	277.33	54.90
		For Stainless Steel, Add	419.40	
23 37 13 13-0184	EA	48" x 6" Supply Grille, Aluminum Drum	333.45	68.85
		For Stainless Steel, Add	489.78	
23 37 13 13-0185	EA	20" x 10" Supply Grille, Aluminum Drum	191.28	45.02
		For Stainless Steel, Add	253.18	
23 37 13 13-0186	EA	25" x 10" Supply Grille, Aluminum Drum	210.69	54.73
		For Stainless Steel, Add	253.18	
23 37 13 13-0187	EA	30" x 10" Supply Grille, Aluminum Drum	291.99	68.85
		For Stainless Steel, Add	385.83	
23 37 13 13-0188	EA	35" x 10" Supply Grille, Aluminum Drum	333.98	74.15
		For Stainless Steel, Add	464.33	
23 37 13 13-0189	EA	40" x 10" Supply Grille, Aluminum Drum	371.92	77.67
		For Stainless Steel, Add	541.53	
23 37 13 13-0190	EA	20" x 12" Supply Grille, Aluminum Drum	216.35	48.55
		For Stainless Steel, Add	298.20	
23 37 13 13-0191	EA	30" x 12" Supply Grille, Aluminum Drum	317.27	70.61
		For Stainless Steel, Add	440.23	
23 37 13 13-0192	EA	40" x 12" Supply Grille, Aluminum Drum	403.28	79.44
		For Stainless Steel, Add	611.10	
23 37 13 13-0193	EA	15" x 15" Supply Grille, Aluminum Drum	230.12	54.73
		For Stainless Steel, Add	301.75	
23 37 13 13-0194	EA	20" x 15" Supply Grille, Aluminum Drum	256.94	58.25
		For Stainless Steel, Add	351.13	
23 37 13 13-0195	EA	25" x 15" Supply Grille, Aluminum Drum	301.58	67.97
		For Stainless Steel, Add	414.20	
23 37 13 13-0196	EA	30" x 15" Supply Grille, Aluminum Drum	338.92	72.38
		For Stainless Steel, Add	485.50	
23 37 13 13-0197	EA	40" x 15" Supply Grille, Aluminum Drum	407.71	81.20
		For Stainless Steel, Add	613.35	

23 37 13 13-0198 Adjustable Shutter Blade Registers (23 37 13 13-0155)

Note: Double deflection flat frame aluminum construction.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0199	EA	6" x 6" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	216.62	14.13
		For Grille (No Damper), Deduct	-24.29	
		For Single Deflection, Deduct	-32.38	
		For Steel Construction, Deduct	-16.19	
		For Stainless Steel, Add	404.80	
23 37 13 13-0200	EA	8" x 8" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	249.00	14.13
		For Grille (No Damper), Deduct	-29.15	
		For Single Deflection, Deduct	-38.86	
		For Steel Construction, Deduct	-19.43	
		For Stainless Steel, Add	485.75	
23 37 13 13-0201	EA	12" x 6" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	268.37	19.42
		For Grille (No Damper), Deduct	-29.15	
		For Single Deflection, Deduct	-38.86	
		For Steel Construction, Deduct	-19.43	
		For Stainless Steel, Add	485.75	
23 37 13 13-0202	EA	10" x 10" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	277.62	17.65
		For Grille (No Damper), Deduct	-30.53	
		For Single Deflection, Deduct	-40.71	
		For Steel Construction, Deduct	-20.36	
		For Stainless Steel, Add	508.88	
23 37 13 13-0203	EA	12" x 12" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	339.83	22.95
		For Grille (No Damper), Deduct	-37.47	
		For Single Deflection, Deduct	-49.96	
		For Steel Construction, Deduct	-24.98	
		For Stainless Steel, Add	624.53	
23 37 13 13-0204	EA	14" x 14" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	451.91	26.48
		For Grille (No Damper), Deduct	-51.35	
		For Single Deflection, Deduct	-68.47	
		For Steel Construction, Deduct	-34.23	
		For Stainless Steel, Add	855.85	
23 37 13 13-0205	EA	16" x 16" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	530.55	28.24
		For Grille (No Damper), Deduct	-63.15	
		For Single Deflection, Deduct	-84.20	
		For Steel Construction, Deduct	-42.10	
		For Stainless Steel, Add	1,052.45	
23 37 13 13-0206	EA	18" x 18" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	655.69	35.31
		For Grille (No Damper), Deduct	-77.72	
		For Single Deflection, Deduct	-103.63	
		For Steel Construction, Deduct	-51.81	
		For Stainless Steel, Add	1,295.33	
23 37 13 13-0207	EA	24" x 24" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	898.51	37.07
		For Grille (No Damper), Deduct	-113.11	
		For Single Deflection, Deduct	-150.81	
		For Steel Construction, Deduct	-75.41	
		For Stainless Steel, Add	1,885.18	
23 37 13 13-0208 Air Conditioning And Ventilation (23 37 13 13-0155)				
23 37 13 13-0209	EA	10" x 16" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	127.28	37.07
		For Stainless Steel, Add	133.03	
23 37 13 13-0210	EA	18" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	216.76	55.17
		For Stainless Steel, Add	266.05	
23 37 13 13-0211	EA	30" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	331.83	77.23
		For Stainless Steel, Add	443.43	
23 37 13 13-0212	EA	48" x 24" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	797.15	105.92
		For Stainless Steel, Add	1,463.28	
23 37 13 13-0213 Square Wall Return Air And Exhaust Grilles (23 37 13 13-0155)				
		Note: Egg crate design aluminum construction.		
23 37 13 13-0214	EA	8" x 8" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	120.37	44.19
23 37 13 13-0215	EA	12" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	130.21	44.19
23 37 13 13-0216	EA	18" x 18" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	194.07	66.29
23 37 13 13-0217	EA	24" x 24" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	243.27	66.29
23 37 13 13-0218	EA	28" x 28" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	398.15	88.39
23 37 13 13-0219	EA	36" x 36" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	695.34	88.26
23 37 13 13-0220 Rectangular Four-Way Adjustable Deflection Wall Supply Grilles (23 37 13 13-0155)				
		Note: Aluminum construction.		
23 37 13 13-0221	EA	12" x 6" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	318.78	31.82
23 37 13 13-0222	EA	14" x 6" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	360.41	31.82
23 37 13 13-0223	EA	18" x 8" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	432.86	35.35
23 37 13 13-0224	EA	24" x 8" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	506.83	35.35
23 37 13 13-0225	EA	36" x 20" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	658.76	110.48
23 37 13 13-0226 Square Ceiling Return Air And Exhaust Grilles (23 37 13 13-0155)				
		Note: Egg crate design, plastic construction.		
23 37 13 13-0227	EA	24" x 24" Egg Crate Ceiling Return Air Or Exhaust Grille, Plastic Construction	64.80	21.15
23 37 13 13-0228	EA	24" x 48" Egg Crate Ceiling Return Air Or Exhaust Grille, Plastic Construction	91.55	21.32
23 37 13 13-0229 Door Grilles Sight Proof Inverted Vee Cross Section (23 37 13 13-0155)				
		Note: Painted steel louvers and frame.		
23 37 13 13-0230	EA	12" x 6" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	180.42	31.82
23 37 13 13-0231	EA	12" x 12" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	230.88	31.82
23 37 13 13-0232	EA	18" x 18" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	281.77	33.58

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 37 Air Outlets and Inlets**

MINOR				TOTAL DIRECT		DEMOLITION
CSI UOM DESCRIPTION				UNIT COST		UNIT COST
23 37 13 13-0233	EA	24" x 24" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	378.92		40.13	
23 37 13 13-0234	EA	24" x 30" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	422.49		73.71	
23 37 13 13-0235		Stainless Steel Devices (23 37 13 13-0155)				
23 37 13 13-0236		304 Stainless Steel, Louvered Partition/Door Grilles (23 37 13 13-0235)				
23 37 13 13-0237	SF	Up To 4 SF, 304 Stainless Steel, Louvered Partition/Door Grille	254.64		27.57	
		For 316 Stainless Steel, Add	41.74			
23 37 13 13-0238	SF	>4 SF, 304 Stainless Steel, Louvered Partition/Door Grille	216.56		27.57	
		For 316 Stainless Steel, Add	34.12			
23 37 13 13-0239		304 Stainless Steel, Single Deflection Supply Grilles (23 37 13 13-0235)				
23 37 13 13-0240	SF	Up To 4 SF, 304 Stainless Steel, Single Deflection Supply Grille	195.46		27.57	
		For 316 Stainless Steel, Add	29.90			
23 37 13 13-0241	SF	>4 SF, 304 Stainless Steel, Single Deflection Supply Grille	167.77		27.57	
		For 316 Stainless Steel, Add	24.36			
23 37 13 13-0242		304 Stainless Steel, Double Deflection Supply Grilles (23 37 13 13-0235)				
23 37 13 13-0243	SF	Up To 4 SF, 304 Stainless Steel, Double Deflection Supply Grille	281.11		27.57	
		For 316 Stainless Steel, Add	47.03			
23 37 13 13-0244	SF	>4 SF, 304 Stainless Steel, Double Deflection Supply Grille	241.14		27.57	
		For 316 Stainless Steel, Add	39.04			
23 37 13 13-0245		304 Stainless Steel Return Grilles (23 37 13 13-0235)				
23 37 13 13-0246	SF	Up To 4 SF, 304 Stainless Steel Return Grille	195.46		27.57	
		For 316 Stainless Steel, Add	29.90			
23 37 13 13-0247	SF	>4 SF, 304 Stainless Steel Return Grille	167.77		27.57	
		For 316 Stainless Steel, Add	24.36			
23 37 13 13-0248		304 Stainless Steel, Louvered Supply/Return Grilles (23 37 13 13-0235)				
23 37 13 13-0249	SF	Up To 4 SF, 304 Stainless Steel, Louvered Supply/Return Grille	195.46		27.57	
		For 316 Stainless Steel, Add	29.90			
23 37 13 13-0250	SF	>4 SF, 304 Stainless Steel, Louvered Supply/Return Grille	167.77		27.57	
		For 316 Stainless Steel, Add	24.36			
23 37 13 13-0251		304 Stainless Steel, Perforated Return Grilles (23 37 13 13-0235)				
23 37 13 13-0252	SF	Up To 4 SF, 304 Stainless Steel, Perforated Return Grille	195.46		27.57	
		For 316 Stainless Steel, Add	29.90			
23 37 13 13-0253	SF	>4 SF, 304 Stainless Steel, Perforated Return Grille	160.16		27.57	
		For 316 Stainless Steel, Add	22.84			
23 37 13 13-0254		304 Stainless Steel, Perforated Supply Grilles (23 37 13 13-0235)				
23 37 13 13-0255	SF	Up To 4 SF, 304 Stainless Steel, Perforated Supply Grille	234.39		27.57	
		For 316 Stainless Steel, Add	37.69			
23 37 13 13-0256	SF	>4 SF, 304 Stainless Steel, Perforated Supply Grille	164.21		27.57	
		For 316 Stainless Steel, Add	23.65			
23 37 13 13-0257		304 Stainless Steel, Door Grilles (23 37 13 13-0235)				
23 37 13 13-0258	SF	Up To 4 SF, 304 Stainless Steel, Door Grille	344.96		27.57	
		For 316 Stainless Steel, Add	59.80			
23 37 13 13-0259	SF	>4 SF, 304 Stainless Steel, Door Grille	289.60		27.57	
		For 316 Stainless Steel, Add	48.73			
23 37 13 13-0260		304 Stainless Steel, Linear Bar Grilles (23 37 13 13-0235)				
23 37 13 13-0261	SF	Up To 4 SF, 304 Stainless Steel, Linear Bar Grille	437.88		27.57	
		For 316 Stainless Steel, Add	78.38			
23 37 13 13-0262	SF	>4 SF, 304 Stainless Steel, Linear Bar Grille	376.45		27.57	
		For 316 Stainless Steel, Add	66.10			
23 37 13 13-0263		304 Stainless Steel, Hinged Filter Grilles (23 37 13 13-0235)				
23 37 13 13-0264	SF	Up To 4 SF, 304 Stainless Steel, Hinged Filter Grille	324.72		27.57	
		For 316 Stainless Steel, Add	55.75			
23 37 13 13-0265	SF	>4 SF, 304 Stainless Steel, Hinged Filter Grille	227.83		27.57	
		For 316 Stainless Steel, Add	36.37			
23 37 13 13-0266		304 Stainless Steel, Opposed Blade Dampers Grilles (23 37 13 13-0235)				
23 37 13 13-0267	SF	Up To 4 SF, 304 Stainless Steel, Opposed Blade Dampers Grille	179.89		27.57	
		For 316 Stainless Steel, Add	26.79			
23 37 13 13-0268	SF	Opposed Blade Dampers Grille, Stainless Steel 304, > 4 SF	139.58		27.57	
		For 316 Stainless Steel, Add	18.72			
23 37 13 13-0269		304 Stainless Steel, Plaster Frames Replacement (23 37 13 13-0235)				
		Note: For frequent replacement.				

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0270	SF	To 4 SF, 304 Stainless Steel, Plaster Frames Replacement	142.51	27.57	
		For 316 Stainless Steel, Add	19.31		
23 37 13 13-0271	SF	>4 SF, 304 Stainless Steel, Plaster Frames Replacement	80.74	27.57	
		For 316 Stainless Steel, Add	6.96		
23 37 13 13-0272		304 Stainless Steel, Modular Louvered Ceiling Diffusers (23 37 13 13-0235)			
23 37 13 13-0273	SF	Up To 4 SF, 304 Stainless Steel, Modular Louvered Ceiling Diffuser	320.05	27.57	
		For 316 Stainless Steel, Add	54.82		
23 37 13 13-0274	SF	>4 SF, 304 Stainless Steel, Modular Louvered Ceiling Diffuser	252.74	27.57	
		For 316 Stainless Steel, Add	41.36		
23 37 13 13-0275		304 Stainless Steel, Latticed Supply/Return Grilles (23 37 13 13-0235)			
23 37 13 13-0276	SF	Up To 4 SF, 304 Stainless Steel, Latticed Supply/Return Grille	119.15	27.57	
		For 316 Stainless Steel, Add	14.64		
23 37 13 13-0277	SF	>4 SF, 304 Stainless Steel, Latticed Supply/Return Grille	119.15	27.57	
		For 316 Stainless Steel, Add	14.64		
23 37 13 13-0278		Removal And Reinstallation Of Distribution Devices (23 37 13 13)			
		Note: Includes storage and cleaning. Excludes ductwork.			
23 37 13 13-0279	EA	Removal And Reinstallation Of Variable Air Volume Terminal Unit	331.00		
23 37 13 13-0280	EA	Removal And Reinstallation Of Fan Powered Variable Volume Terminal Unit	365.07		
23 37 13 13-0281	EA	Removal And Reinstallation Of Lay-in Diffuser/Register/Grille	54.71		
23 37 13 13-0282	EA	Removal And Reinstallation Of Surface Mounted Diffuser/Register/Grille	74.11		
23 37 13 43		Security Registers and Grilles (23 37 13)			
23 37 13 43-0001		Security Supply Or Return Grille (23 37 13 43)			
		Note: Designed for maximum security applications, 3/16" steel face plate with 2" x 2" square holes, 1/4" steel backer plate, 3/16" welded steel sleeve, 10 gauge x 2 wire mesh between face and backer plates, 1" x 1" x 3/16" angle iron frame, standard finish.			
23 37 13 43-0002	EA	8" x 4" Steel Security Grille	330.30	26.52	
		For Stainless Steel, Add	360.45		
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35		
		For 1" x 1" Square Holes On Face, Add	69.32		
		For Anchoring Tabs, Add	27.73		
		For Rear Operated Opposed Blade Damper, Add	102.35		
23 37 13 43-0003	EA	8" x 6" Steel Security Grille	365.68	27.40	
		For Stainless Steel, Add	404.14		
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35		
		For 1" x 1" Square Holes On Face, Add	77.72		
		For Anchoring Tabs, Add	31.09		
		For Rear Operated Opposed Blade Damper, Add	114.29		
23 37 13 43-0004	EA	8" x 8" Steel Security Grille	418.96	30.94	
		For Stainless Steel, Add	464.22		
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35		
		For 1" x 1" Square Holes On Face, Add	89.27		
		For Anchoring Tabs, Add	35.71		
		For Rear Operated Opposed Blade Damper, Add	131.17		
23 37 13 43-0005	EA	10" x 4" Steel Security Grille	366.78	30.05	
		For Stainless Steel, Add	398.68		
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35		
		For 1" x 1" Square Holes On Face, Add	76.67		
		For Anchoring Tabs, Add	30.67		
		For Rear Operated Opposed Blade Damper, Add	113.35		
23 37 13 43-0006	EA	10" x 6" Steel Security Grille	391.32	31.82	
		For Stainless Steel, Add	425.98		
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35		
		For 1" x 1" Square Holes On Face, Add	81.92		
		For Anchoring Tabs, Add	32.77		
		For Rear Operated Opposed Blade Damper, Add	121.05		
23 37 13 43-0007	EA	10" x 8" Steel Security Grille	447.04	34.46	
		For Stainless Steel, Add	491.53		
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35		
		For 1" x 1" Square Holes On Face, Add	94.53		
		For Anchoring Tabs, Add	37.81		
		For Rear Operated Opposed Blade Damper, Add	139.23		
23 37 13 43-0008	EA	10" x 10" Steel Security Grille	498.55	37.12	
		For Stainless Steel, Add	551.60		
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35		
		For 1" x 1" Square Holes On Face, Add	106.08		
		For Anchoring Tabs, Add	42.43		
		For Rear Operated Opposed Blade Damper, Add	155.93		
23 37 13 43-0009	EA	12" x 4" Steel Security Grille	386.45	33.58	
		For Stainless Steel, Add	415.06		
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35		
		For 1" x 1" Square Holes On Face, Add	79.82		
		For Anchoring Tabs, Add	31.93		
		For Rear Operated Opposed Blade Damper, Add	118.47		
23 37 13 43-0010	EA	12" x 6" Steel Security Grille	431.33	37.12	
		For Stainless Steel, Add	464.22		
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35		
		For 1" x 1" Square Holes On Face, Add	89.27		
		For Anchoring Tabs, Add	35.71		
		For Rear Operated Opposed Blade Damper, Add	132.41		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 37 Air Outlets and Inlets**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 37 13 43-0011	EA	12" x 8" Steel Security Grille	491.25	39.77
		For Stainless Steel, Add	535.22	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
		For 1" x 1" Square Holes On Face, Add	102.93	
		For Anchoring Tabs, Add	41.17	
		For Rear Operated Opposed Blade Damper, Add	152.05	
23 37 13 43-0012	EA	12" x 10" Steel Security Grille	534.36	42.42
		For Stainless Steel, Add	584.38	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
		For 1" x 1" Square Holes On Face, Add	112.38	
		For Anchoring Tabs, Add	44.95	
		For Rear Operated Opposed Blade Damper, Add	165.82	
23 37 13 43-0013	EA	12" x 12" Steel Security Grille	590.07	45.07
		For Stainless Steel, Add	649.91	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
		For 1" x 1" Square Holes On Face, Add	124.98	
		For Anchoring Tabs, Add	49.99	
		For Rear Operated Opposed Blade Damper, Add	183.99	
23 37 13 43-0014	EA	14" x 4" Steel Security Grille	412.76	36.23
		For Stainless Steel, Add	442.38	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
		For 1" x 1" Square Holes On Face, Add	85.07	
		For Anchoring Tabs, Add	34.03	
		For Rear Operated Opposed Blade Damper, Add	126.35	
23 37 13 43-0015	EA	14" x 6" Steel Security Grille	464.28	38.88
		For Stainless Steel, Add	502.45	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
		For 1" x 1" Square Holes On Face, Add	96.63	
		For Anchoring Tabs, Add	38.65	
		For Rear Operated Opposed Blade Damper, Add	143.05	
23 37 13 43-0016	EA	14" x 8" Steel Security Grille	517.55	42.42
		For Stainless Steel, Add	562.52	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
		For 1" x 1" Square Holes On Face, Add	108.18	
		For Anchoring Tabs, Add	43.27	
		For Rear Operated Opposed Blade Damper, Add	159.93	
23 37 13 43-0017	EA	14" x 10" Steel Security Grille	583.44	45.96
		For Stainless Steel, Add	638.99	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
		For 1" x 1" Square Holes On Face, Add	122.88	
		For Anchoring Tabs, Add	49.15	
		For Rear Operated Opposed Blade Damper, Add	181.23	
23 37 13 43-0018	EA	14" x 12" Steel Security Grille	642.69	50.38
		For Stainless Steel, Add	704.52	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
		For 1" x 1" Square Holes On Face, Add	135.49	
		For Anchoring Tabs, Add	54.19	
		For Rear Operated Opposed Blade Damper, Add	199.75	
23 37 13 43-0019	EA	14" x 14" Steel Security Grille	691.77	53.91
		For Stainless Steel, Add	759.14	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
		For 1" x 1" Square Holes On Face, Add	145.99	
		For Anchoring Tabs, Add	58.40	
		For Rear Operated Opposed Blade Damper, Add	215.16	
23 37 13 43-0020	EA	16" x 6" Steel Security Grille	496.55	42.42
		For Stainless Steel, Add	535.22	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
		For 1" x 1" Square Holes On Face, Add	102.93	
		For Anchoring Tabs, Add	41.17	
		For Rear Operated Opposed Blade Damper, Add	152.58	
23 37 13 43-0021	EA	16" x 8" Steel Security Grille	566.63	45.96
		For Stainless Steel, Add	617.14	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
		For 1" x 1" Square Holes On Face, Add	118.68	
		For Anchoring Tabs, Add	47.47	
		For Rear Operated Opposed Blade Damper, Add	175.34	
23 37 13 43-0022	EA	16" x 10" Steel Security Grille	611.51	49.49
		For Stainless Steel, Add	666.29	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
		For 1" x 1" Square Holes On Face, Add	128.13	
		For Anchoring Tabs, Add	51.25	
		For Rear Operated Opposed Blade Damper, Add	189.28	
23 37 13 43-0023	EA	16" x 12" Steel Security Grille	688.24	52.14
		For Stainless Steel, Add	759.14	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
		For 1" x 1" Square Holes On Face, Add	145.99	
		For Anchoring Tabs, Add	58.40	
		For Rear Operated Opposed Blade Damper, Add	214.81	
23 37 13 43-0024	EA	16" x 14" Steel Security Grille	728.91	55.68
		For Stainless Steel, Add	802.83	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
		For 1" x 1" Square Holes On Face, Add	154.39	
		For Anchoring Tabs, Add	61.76	
		For Rear Operated Opposed Blade Damper, Add	227.28	
23 37 13 43-0025	EA	16" x 16" Steel Security Grille	790.59	59.22
		For Stainless Steel, Add	873.82	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
		For 1" x 1" Square Holes On Face, Add	168.04	
		For Anchoring Tabs, Add	67.22	
		For Rear Operated Opposed Blade Damper, Add	247.10	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 43-0026	EA		18" x 6" Steel Security Grille	528.16	47.72
			For Stainless Steel, Add	562.52	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	108.18	
			For Anchoring Tabs, Add	43.27	
			For Rear Operated Opposed Blade Damper, Add	160.99	
23 37 13 43-0027	EA		18" x 8" Steel Security Grille	602.45	51.26
			For Stainless Steel, Add	649.91	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	124.98	
			For Anchoring Tabs, Add	49.99	
			For Rear Operated Opposed Blade Damper, Add	185.23	
23 37 13 43-0028	EA		18" x 10" Steel Security Grille	659.93	54.80
			For Stainless Steel, Add	715.44	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	137.59	
			For Anchoring Tabs, Add	55.03	
			For Rear Operated Opposed Blade Damper, Add	203.58	
23 37 13 43-0029	EA		18" x 12" Steel Security Grille	725.82	58.33
			For Stainless Steel, Add	791.91	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	152.29	
			For Anchoring Tabs, Add	60.92	
			For Rear Operated Opposed Blade Damper, Add	224.87	
23 37 13 43-0030	EA		18" x 14" Steel Security Grille	774.46	57.45
			For Stainless Steel, Add	857.44	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	164.89	
			For Anchoring Tabs, Add	65.96	
			For Rear Operated Opposed Blade Damper, Add	242.34	
23 37 13 43-0031	EA		18" x 16" Steel Security Grille	846.99	60.10
			For Stainless Steel, Add	944.83	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	181.70	
			For Anchoring Tabs, Add	72.68	
			For Rear Operated Opposed Blade Damper, Add	266.40	
23 37 13 43-0032	EA		18" x 18" Steel Security Grille	906.90	62.75
			For Stainless Steel, Add	1,015.82	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	195.35	
			For Anchoring Tabs, Add	78.14	
			For Rear Operated Opposed Blade Damper, Add	286.04	
23 37 13 43-0033	EA		20" x 6" Steel Security Grille	566.41	52.14
			For Stainless Steel, Add	600.76	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	115.53	
			For Anchoring Tabs, Add	46.21	
			For Rear Operated Opposed Blade Damper, Add	172.17	
23 37 13 43-0034	EA		20" x 8" Steel Security Grille	640.02	57.45
			For Stainless Steel, Add	682.67	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	131.28	
			For Anchoring Tabs, Add	52.51	
			For Rear Operated Opposed Blade Damper, Add	195.28	
23 37 13 43-0035	EA		20" x 10" Steel Security Grille	704.15	60.10
			For Stainless Steel, Add	759.14	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	145.99	
			For Anchoring Tabs, Add	58.40	
			For Rear Operated Opposed Blade Damper, Add	216.40	
23 37 13 43-0036	EA		20" x 12" Steel Security Grille	774.23	63.64
			For Stainless Steel, Add	841.06	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	161.74	
			For Anchoring Tabs, Add	64.70	
			For Rear Operated Opposed Blade Damper, Add	239.17	
23 37 13 43-0037	EA		20" x 14" Steel Security Grille	850.94	66.29
			For Stainless Steel, Add	933.89	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	179.60	
			For Anchoring Tabs, Add	71.84	
			For Rear Operated Opposed Blade Damper, Add	264.69	
23 37 13 43-0038	EA		20" x 16" Steel Security Grille	919.27	68.94
			For Stainless Steel, Add	1,015.82	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	195.35	
			For Anchoring Tabs, Add	78.14	
			For Rear Operated Opposed Blade Damper, Add	287.28	
23 37 13 43-0039	EA		20" x 18" Steel Security Grille	983.38	71.59
			For Stainless Steel, Add	1,092.27	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	210.05	
			For Anchoring Tabs, Add	84.02	
			For Rear Operated Opposed Blade Damper, Add	308.39	
23 37 13 43-0040	EA		20" x 20" Steel Security Grille	1,060.11	74.24
			For Stainless Steel, Add	1,185.12	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	227.91	
			For Anchoring Tabs, Add	91.16	
			For Rear Operated Opposed Blade Damper, Add	333.92	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 37 Air Outlets and Inlets**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 37 13 43-0041	EA	24" x 6" Steel Security Grille	629.18	58.33
		For Stainless Steel, Add	666.29	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
		For 1" x 1" Square Holes On Face, Add	128.13	
		For Anchoring Tabs, Add	51.25	
		For Rear Operated Opposed Blade Damper, Add	191.05	
23 37 13 43-0042	EA	24" x 8" Steel Security Grille	711.21	63.64
		For Stainless Steel, Add	759.14	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
		For 1" x 1" Square Holes On Face, Add	145.99	
		For Anchoring Tabs, Add	58.40	
		For Rear Operated Opposed Blade Damper, Add	217.11	
23 37 13 43-0043	EA	24" x 10" Steel Security Grille	777.76	65.40
		For Stainless Steel, Add	841.06	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
		For 1" x 1" Square Holes On Face, Add	161.74	
		For Anchoring Tabs, Add	64.70	
		For Rear Operated Opposed Blade Damper, Add	239.52	
23 37 13 43-0044	EA	24" x 12" Steel Security Grille	871.72	72.47
		For Stainless Steel, Add	944.83	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
		For 1" x 1" Square Holes On Face, Add	181.70	
		For Anchoring Tabs, Add	72.68	
		For Rear Operated Opposed Blade Damper, Add	268.87	
23 37 13 43-0045	EA	24" x 14" Steel Security Grille	940.03	75.13
		For Stainless Steel, Add	1,026.74	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
		For 1" x 1" Square Holes On Face, Add	197.45	
		For Anchoring Tabs, Add	78.98	
		For Rear Operated Opposed Blade Damper, Add	291.45	
23 37 13 43-0046	EA	24" x 16" Steel Security Grille	1,025.15	77.78
		For Stainless Steel, Add	1,130.51	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
		For 1" x 1" Square Holes On Face, Add	217.41	
		For Anchoring Tabs, Add	86.96	
		For Rear Operated Opposed Blade Damper, Add	319.92	
23 37 13 43-0047	EA	24" x 18" Steel Security Grille	1,122.87	80.43
		For Stainless Steel, Add	1,250.67	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
		For 1" x 1" Square Holes On Face, Add	240.51	
		For Anchoring Tabs, Add	96.21	
		For Rear Operated Opposed Blade Damper, Add	352.80	
23 37 13 43-0048	EA	24" x 20" Steel Security Grille	1,191.18	83.08
		For Stainless Steel, Add	1,332.58	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
		For 1" x 1" Square Holes On Face, Add	256.27	
		For Anchoring Tabs, Add	102.51	
		For Rear Operated Opposed Blade Damper, Add	375.38	
23 37 13 43-0049	EA	24" x 24" Steel Security Grille	1,336.22	88.39
		For Stainless Steel, Add	1,507.35	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
		For 1" x 1" Square Holes On Face, Add	289.88	
		For Anchoring Tabs, Add	115.95	
		For Rear Operated Opposed Blade Damper, Add	423.50	

23 37 23 HVAC Gravity Ventilators (23 37)**23 37 23 13 HVAC Gravity Dome Ventilators (23 37 23)****23 37 23 13-0001 Rectangular Gravity Intake/Relief Ventilator Hood (23 37 23 13)**

Note: Includes flange base and bird screen. Excludes curb.

23 37 23 13-0002	EA	8" x 8" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,267.80	102.39
23 37 23 13-0003	EA	8" x 12" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,344.89	117.22
23 37 23 13-0004	EA	8" x 18" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,681.07	145.81
23 37 23 13-0005	EA	8" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,790.61	155.18
23 37 23 13-0006	EA	8" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	2,090.31	180.60
23 37 23 13-0007	EA	10" x 10" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,493.13	116.52
23 37 23 13-0008	EA	12" x 12" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,643.14	131.35
23 37 23 13-0009	EA	12" x 18" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,902.12	141.22
23 37 23 13-0010	EA	12" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	2,078.03	171.16
23 37 23 13-0011	EA	12" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	2,385.71	183.59
23 37 23 13-0012	EA	12" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	2,693.09	194.89
23 37 23 13-0013	EA	14" x 14" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,780.46	132.93
23 37 23 13-0014	EA	14" x 18" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	2,028.96	151.47
23 37 23 13-0015	EA	14" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	2,277.45	170.01
23 37 23 13-0016	EA	14" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	2,567.20	191.72
23 37 23 13-0017	EA	14" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	2,898.57	216.44
23 37 23 13-0018	EA	16" x 16" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	2,153.08	160.82
23 37 23 13-0019	EA	16" x 20" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	2,235.96	167.00
23 37 23 13-0020	EA	16" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	2,484.43	185.54
23 37 23 13-0021	EA	16" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	2,815.62	210.26
23 37 23 13-0022	EA	16" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	3,146.81	234.96
23 37 23 13-0023	EA	16" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	3,602.33	269.04
23 37 23 13-0024	EA	18" x 18" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	2,139.52	158.52
23 37 23 13-0025	EA	18" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	2,489.54	184.48
23 37 23 13-0026	EA	18" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	2,839.76	210.43
23 37 23 13-0027	EA	18" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	3,228.72	239.20
23 37 23 13-0028	EA	18" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	3,578.78	265.15
23 37 23 13-0029	EA	20" x 20" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	2,252.12	175.83

MINOR			TOTAL DIRECT		DEMOLITION
CSI UOM DESCRIPTION			UNIT COST		UNIT COST
23 37 23 13-0030	EA	20" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,547.38		198.95
23 37 23 13-0031	EA	20" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,842.81		221.90
23 37 23 13-0032	EA	20" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,285.88		256.50
23 37 23 13-0033	EA	20" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,618.09		282.46
23 37 23 13-0034	EA	24" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,848.42		236.38
23 37 23 13-0035	EA	24" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,161.00		262.33
23 37 23 13-0036	EA	24" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,612.64		299.76
23 37 23 13-0037	EA	24" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,959.97		328.53
23 37 23 13-0038	EA	24" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	4,342.09		360.31
23 37 23 13-0039	EA	30" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,417.08		269.04
23 37 23 13-0040	EA	30" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,765.12		296.40
23 37 23 13-0041	EA	30" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	4,144.94		326.24
23 37 23 13-0042	EA	30" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	4,524.57		356.25
23 37 23 13-0043	EA	30" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	5,505.34		433.39
23 37 23 13-0044	EA	30" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	5,885.16		463.22
23 37 23 13-0045	EA	36" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,956.10		333.83
23 37 23 13-0046	EA	36" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	4,339.81		366.13
23 37 23 13-0047	EA	36" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	5,195.96		438.34
23 37 23 13-0048	EA	36" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	5,786.35		488.12
23 37 23 13-0049	EA	36" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	6,140.74		518.13
23 37 23 13-0050	EA	36" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	6,613.03		557.85
23 37 23 13-0051	EA	36" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	7,439.72		627.58
23 37 23 13-0052	EA	42" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	4,703.89		373.72
23 37 23 13-0053	EA	42" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	5,840.15		463.94
23 37 23 13-0054	EA	42" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	6,659.43		529.07
23 37 23 13-0055	EA	42" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	6,897.16		547.96
23 37 23 13-0056	EA	42" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	7,689.97		610.81
23 37 23 13-0057	EA	42" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	8,456.30		671.71
23 37 23 13-0058	EA	48" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	6,240.80		539.49
23 37 23 13-0059	EA	48" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	6,750.88		583.62
23 37 23 13-0060	EA	48" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	7,260.77		627.76
23 37 23 13-0061	EA	48" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	8,062.12		696.96
23 37 23 13-0062	EA	48" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	8,515.80		706.13
23 37 23 13-0063	EA	54" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	7,232.39		608.16
23 37 23 13-0064	EA	54" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	8,112.62		682.13
23 37 23 13-0065	EA	54" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	8,802.64		740.21
23 37 23 13-0066	EA	54" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	9,373.47		788.23
23 37 23 13-0067	EA	60" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	9,014.13		757.15
23 37 23 13-0068	EA	60" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	9,474.01		807.12
23 37 23 13-0069	EA	60" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	10,158.62		869.08
23 37 23 13-0070	EA	66" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	9,514.90		873.14
23 37 23 13-0071	EA	66" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	11,126.59		1,021.07
23 37 23 13-0072	EA	72" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	11,398.47		941.46
23 38 Ventilation Hoods (23 30)					
23 38 13 Commercial-Kitchen Hoods (23 38)					
23 38 13 13 Listed Commercial-Kitchen Hoods (23 38 13)					
23 38 13 13-0001 Universal Ventless Hood (23 38 13 13)					
23 38 13 13-0002	EA	109" Wide x 50" Deep x 102" High, Ventless Exhaust Hood With Stand, (Wells WVU-96)	54,397.17		527.22
23 38 13 16 Standard Commercial-Kitchen Hoods (23 38 13)					
23 38 13 16-0001 Commercial Kitchen Hood Ventilation System (23 38 13 16)					
Note: Excludes fire suppression. See CSI section 23 34 16 00-0108 for exhaust and supply fans.					
23 38 13 16-0002 Dry Filter Exhaust Hoods (23 38 13 16-0001)					
Note: Includes stainless steel filters, exhaust damper and 48" long fluorescent light fixtures.					
23 38 13 16-0003	EA	8' Long x 60" Deep Dry Filter Exhaust Hood	12,885.35		989.16
23 38 13 16-0004	EA	8'-6" Long x 60" Deep Dry Filter Exhaust Hood	13,421.33		1,050.99
23 38 13 16-0005	EA	9' Long x 60" Deep Dry Filter Exhaust Hood	14,974.48		1,112.81
23 38 13 16-0006	EA	9'-6" Long x 60" Deep Dry Filter Exhaust Hood	15,426.07		1,174.63
23 38 13 16-0007	EA	10' Long x 60" Deep Dry Filter Exhaust Hood	15,977.06		1,236.46
23 38 13 16-0008	EA	10'-6" Long x 60" Deep Dry Filter Exhaust Hood	16,559.76		1,298.28
23 38 13 16-0009	EA	11' Long x 60" Deep Dry Filter Exhaust Hood	17,111.50		1,360.10
23 38 13 16-0010	EA	11'-6" Long x 60" Deep Dry Filter Exhaust Hood	17,680.25		1,421.92
23 38 13 16-0011	EA	12' Long x 60" Deep Dry Filter Exhaust Hood	18,313.78		1,483.75
23 38 13 16-0012	EA	12'-6" Long x 60" Deep Dry Filter Exhaust Hood	18,862.41		1,545.57
23 38 13 16-0013	EA	13' Long x 60" Deep Dry Filter Exhaust Hood	19,315.21		1,607.39
23 38 13 16-0014	EA	13'-6" Long x 60" Deep Dry Filter Exhaust Hood	20,082.32		1,669.21
23 38 13 16-0015	EA	14' Long x 60" Deep Dry Filter Exhaust Hood	22,484.92		1,731.04
23 38 13 16-0016	EA	14'-6" Long x 60" Deep Dry Filter Exhaust Hood	23,089.18		1,792.86
23 38 13 16-0017	EA	15' Long x 60" Deep Dry Filter Exhaust Hood	23,912.94		1,854.68
23 38 13 16-0018	EA	15'-6" Long x 60" Deep Dry Filter Exhaust Hood	24,531.07		1,916.51
23 38 13 16-0019	EA	16' Long x 60" Deep Dry Filter Exhaust Hood	25,458.57		1,978.33
23 38 13 16-0020 Dry Extractor Exhaust Hoods (23 38 13 16-0001)					
Note: Includes extractor inserts, exhaust damper, 48" long fluorescent light fixtures, and UDS filler panels.					
23 38 13 16-0021	EA	8' Long x 60" Deep Dry Extractor Exhaust Hood	18,076.73		989.16
23 38 13 16-0022	EA	8'-6" Long x 60" Deep Dry Extractor Exhaust Hood	18,645.57		1,050.99
23 38 13 16-0023	EA	9' Long x 60" Deep Dry Extractor Exhaust Hood	20,297.28		1,112.81
23 38 13 16-0024	EA	9'-6" Long x 60" Deep Dry Extractor Exhaust Hood	20,880.31		1,174.63

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 38 Ventilation Hoods**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 38 13 16-0025	EA	10' Long x 60" Deep Dry Extractor Exhaust Hood	21,464.15	1,236.46
23 38 13 16-0026	EA	10'-6" Long x 60" Deep Dry Extractor Exhaust Hood	22,013.99	1,298.28
23 38 13 16-0027	EA	11' Long x 60" Deep Dry Extractor Exhaust Hood	22,598.59	1,360.10
23 38 13 16-0028	EA	11'-6" Long x 60" Deep Dry Extractor Exhaust Hood	23,150.91	1,421.92
23 38 13 16-0029	EA	12' Long x 60" Deep Dry Extractor Exhaust Hood	23,669.45	1,483.75
23 38 13 16-0030	EA	12'-6" Long x 60" Deep Dry Extractor Exhaust Hood	24,415.22	1,545.57
23 38 13 16-0031	EA	13' Long x 60" Deep Dry Extractor Exhaust Hood	25,278.72	1,607.39
23 38 13 16-0032	EA	13'-6" Long x 60" Deep Dry Extractor Exhaust Hood	26,193.69	1,669.21
23 38 13 16-0033	EA	14' Long x 60" Deep Dry Extractor Exhaust Hood	28,119.86	1,731.04
23 38 13 16-0034	EA	14'-6" Long x 60" Deep Dry Extractor Exhaust Hood	29,052.70	1,792.86
23 38 13 16-0035	EA	15' Long x 60" Deep Dry Extractor Exhaust Hood	30,878.59	1,854.68
23 38 13 16-0036	EA	15'-6" Long x 60" Deep Dry Extractor Exhaust Hood	32,728.84	1,916.51
23 38 13 16-0037	EA	16' Long x 60" Deep Dry Extractor Exhaust Hood	34,559.91	1,978.33

23 38 13 16-0038**Single Manifold Water Wash Exhaust Hoods** (23 38 13 16-0001)

Note: Includes extraction baffles, 48" long fluorescent light fixtures, and UDS filler panels. Excludes fan wash control panel.

23 38 13 16-0039	EA	8' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	19,391.00	989.16
23 38 13 16-0040	EA	8'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	19,992.70	1,050.99
23 38 13 16-0041	EA	9' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	21,677.27	1,112.81
23 38 13 16-0042	EA	9'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	22,276.72	1,174.63
23 38 13 16-0043	EA	10' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	22,909.85	1,236.46
23 38 13 16-0044	EA	10'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	23,492.55	1,298.28
23 38 13 16-0045	EA	11' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	24,093.57	1,360.10
23 38 13 16-0046	EA	11'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	24,695.19	1,421.92
23 38 13 16-0047	EA	12' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	25,230.15	1,483.75
23 38 13 16-0048	EA	12'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	26,041.63	1,545.57
23 38 13 16-0049	EA	13' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	26,970.85	1,607.39
23 38 13 16-0050	EA	13'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	27,951.53	1,669.21
23 38 13 16-0051	EA	14' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	29,943.42	1,731.04
23 38 13 16-0052	EA	14'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	30,941.96	1,792.86
23 38 13 16-0053	EA	15' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	32,948.57	1,854.68
23 38 13 16-0054	EA	15'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	33,944.55	1,916.51
23 38 13 16-0055	EA	16' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	34,937.76	1,978.33
23 38 13 16-0056	EA	Fan Wash Control Panel	13,930.41	494.58

Note: Includes time clock and backflow preventer.

23 38 13 16-0057**Utility Distribution System (UDS)** (23 38 13 16-0001)

Note: Includes "L" shaped primary riser, secondary riser, horizontal mechanical and electrical raceway; 2" IPS looped gas manifold with two (2) solenoid gas valves; 1" hot water manifold; 1" cold water manifold; 100 Amp 120-208 VAC/3 Ph/60 Hz main shunt trip connectors; equipment restraints; flexible drain connectors; and power interruption device. Excludes main shunt breaker.

23 38 13 16-0058	EA	8' Long Utility Distribution System (UDS)	37,010.12	502.99
23 38 13 16-0059	EA	8'-6" Long Utility Distribution System (UDS)	38,102.57	515.24
23 38 13 16-0060	EA	9' Long Utility Distribution System (UDS)	39,183.11	527.22
23 38 13 16-0061	EA	9'-6" Long Utility Distribution System (UDS)	40,273.43	544.04
23 38 13 16-0062	EA	10' Long Utility Distribution System (UDS)	41,356.77	557.40
23 38 13 16-0063	EA	10'-6" Long Utility Distribution System (UDS)	42,429.97	571.48
23 38 13 16-0064	EA	11' Long Utility Distribution System (UDS)	43,517.57	581.25
23 38 13 16-0065	EA	11'-6" Long Utility Distribution System (UDS)	44,604.74	596.59
23 38 13 16-0066	EA	12' Long Utility Distribution System (UDS)	45,704.72	618.23
23 38 13 16-0067	EA	12'-6" Long Utility Distribution System (UDS)	46,820.17	647.65
23 38 13 16-0068	EA	13' Long Utility Distribution System (UDS)	47,914.85	666.69
23 38 13 16-0069	EA	13'-6" Long Utility Distribution System (UDS)	49,025.86	693.90
23 38 13 16-0070	EA	14' Long Utility Distribution System (UDS)	50,126.26	715.78
23 38 13 16-0071	EA	14'-6" Long Utility Distribution System (UDS)	51,229.53	739.16
23 38 13 16-0072	EA	15' Long Utility Distribution System (UDS)	52,335.95	764.13
23 38 13 16-0073	EA	15'-6" Long Utility Distribution System (UDS)	53,445.83	790.72
23 38 13 16-0074	EA	16' Long Utility Distribution System (UDS)	54,540.07	809.63

23 38 13 16-0075**Stainless Steel Exhaust Hood Material** (23 38 13 16)

Note: Welded seams.

23 38 13 16-0076	SF	16 Gauge, Type 304, Stainless Steel Exhaust Hood Material	59.99	21.30
		<i>For Type 316 Stainless Steel, Add</i>	1.58	
23 38 13 16-0077	SF	14 Gauge, Type 304, Stainless Steel Exhaust Hood Material	75.01	28.40
		<i>For Type 316 Stainless Steel, Add</i>	1.98	
23 38 13 16-0078	SF	12 Gauge, Type 304, Stainless Steel Exhaust Hood Material	104.13	38.34
		<i>For Type 316 Stainless Steel, Add</i>	2.77	
23 38 13 16-0079	SF	10 Gauge, Type 304, Stainless Steel Exhaust Hood Material	130.24	46.86
		<i>For Type 316 Stainless Steel, Add</i>	3.56	

23 38 13 16-0080**Kitchen Exhaust Hood** (23 38 13 16)

23 38 13 16-0081	EA	10' x 4', Type 1, Low Ceiling Sloped Front Commercial Kitchen Hood System With PSP Makeup Air (Halifax LPSHP1048)	12,770.47	3,254.94
		Note: Ductwork connections by others.		
		<i>For Type 316 Stainless Steel, Add</i>	626.06	
23 38 13 16-0082	EA	8' x 4', Type 1, Commercial Kitchen Hood System With Short Cycle Makeup Air (Halifax SCHP848)	11,468.50	2,603.95
		Note: Ductwork connections by others.		
		<i>For Type 316 Stainless Steel, Add</i>	626.06	
23 38 13 16-0083	EA	4' x 4', Type 1, Low Ceiling Sloped Front Commercial Kitchen Hood System (Halifax LEXHP448)	6,171.29	1,301.97
		Note: Ductwork connections by others.		
		<i>For Type 316 Stainless Steel, Add</i>	356.73	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 38 13 16-0084	EA	6' x 4', Type 1, Low Ceiling Sloped Front Commercial Kitchen Hood System (Halifax LEXHP648) Note: Ductwork connections by others.	8,084.61	1,952.97
		For Type 316 Stainless Steel, Add	417.87	
23 38 13 16-0085	EA	5' x 4', Type 1, Commercial Kitchen Hood System (Halifax EXHP548) Note: Ductwork connections by others.	7,218.83	1,627.47
		For Type 316 Stainless Steel, Add	396.39	

23 40 HVAC Air Cleaning Devices ⁽²³⁾

23 41 Particulate Air Filtration ^(23 40)

23 41 13 Panel Air Filters ^(23 41)

23 41 13 00-0001 Disposable Air Filters ^(23 41 13)

23 41 13 00-0002	EA	Throwaway Glass Or Paper Media Filter, Residential	16.11	
23 41 13 00-0003		Disposable Fiberglass Air Filters ^(23 41 13)		
23 41 13 00-0004	EA	8" x 16" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	16.01	8.49
23 41 13 00-0005	EA	8" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	16.01	8.49
23 41 13 00-0006	EA	8" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	15.77	8.49
23 41 13 00-0007	EA	10" x 10" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	15.92	8.88
23 41 13 00-0008	EA	10" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	15.92	8.88
23 41 13 00-0009	EA	10" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	15.92	8.88
23 41 13 00-0010	EA	10" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	15.92	8.88
23 41 13 00-0011	EA	10" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	16.11	8.88
23 41 13 00-0012	EA	12" x 12" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	16.77	9.28
23 41 13 00-0013	EA	12" x 16" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	16.74	9.28
23 41 13 00-0014	EA	12" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	16.20	9.28
23 41 13 00-0015	EA	12" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	16.20	9.28
23 41 13 00-0016	EA	12" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	16.20	9.28
23 41 13 00-0017	EA	12" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	18.34	9.28
23 41 13 00-0018	EA	12" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	20.79	9.28
23 41 13 00-0019	EA	14" x 14" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	17.94	9.81
23 41 13 00-0020	EA	14" x 18" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	19.99	9.81
23 41 13 00-0021	EA	14" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	17.16	9.81
23 41 13 00-0022	EA	14" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	17.94	9.81
23 41 13 00-0023	EA	14" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	17.16	9.81
23 41 13 00-0024	EA	14" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	18.68	9.81
23 41 13 00-0025	EA	15" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	17.44	10.08
23 41 13 00-0026	EA	15" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	17.44	10.08
23 41 13 00-0027	EA	15" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	21.02	10.08
23 41 13 00-0028	EA	16" x 16" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	17.64	10.21
23 41 13 00-0029	EA	16" x 18" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	18.97	10.21
23 41 13 00-0030	EA	16" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	17.69	10.21
23 41 13 00-0031	EA	16" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	18.47	10.21
23 41 13 00-0032	EA	16" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	17.18	10.21
23 41 13 00-0033	EA	16" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	21.21	10.21
23 41 13 00-0034	EA	16" x 32" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	24.18	10.21
23 41 13 00-0035	EA	16" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	23.94	10.21
23 41 13 00-0036	EA	18" x 18" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	19.00	10.61
23 41 13 00-0037	EA	18" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	18.70	10.61

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 40 HVAC Air Cleaning Devices****23 41 Particulate Air Filtration**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

23 41 13 00-0038	EA	18" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	19.00	10.61
23 41 13 00-0039	EA	18" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	20.04	10.61
23 41 13 00-0040	EA	18" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	21.54	10.61
23 41 13 00-0041	EA	18" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	23.27	10.61
23 41 13 00-0042	EA	19" x 27" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	20.81	11.14
23 41 13 00-0043	EA	20" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	18.40	11.14
23 41 13 00-0044	EA	20" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	21.11	11.14
23 41 13 00-0045	EA	20" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	20.48	11.14
23 41 13 00-0046	EA	20" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	21.76	11.14
23 41 13 00-0047	EA	20" x 32" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	25.42	11.14
23 41 13 00-0048	EA	20" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	23.49	11.14
23 41 13 00-0049	EA	21" x 21" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	21.98	11.27
23 41 13 00-0050	EA	22" x 22" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	21.35	11.40
23 41 13 00-0051	EA	24" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	21.53	11.53
23 41 13 00-0052	EA	24" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	22.05	11.53
23 41 13 00-0053	EA	24" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	27.40	11.53
23 41 13 00-0054	EA	25" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	21.71	11.66
23 41 13 00-0055	EA	25" x 32" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	27.90	11.66
23 41 13 00-0056	EA	10" x 10" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	17.54	8.88
23 41 13 00-0057	EA	10" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	16.65	8.88
23 41 13 00-0058	EA	12" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	18.84	9.28
23 41 13 00-0059	EA	14" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	19.54	9.81
23 41 13 00-0060	EA	14" x 25" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	19.54	9.81
23 41 13 00-0061	EA	15" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	19.98	10.08
23 41 13 00-0062	EA	16" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	19.97	10.21
23 41 13 00-0063	EA	16" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	19.83	10.21
23 41 13 00-0064	EA	16" x 25" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	20.16	10.21
23 41 13 00-0065	EA	18" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	21.26	10.61
23 41 13 00-0066	EA	20" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	22.06	11.14
23 41 13 00-0067	EA	20" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	21.83	11.14
23 41 13 00-0068	EA	20" x 25" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	21.83	11.14
23 41 13 00-0069	EA	24" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	22.60	11.53
23 41 13 00-0070	EA	25" x 25" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	22.78	11.66

23 41 13 00-0071 Disposable Pleated Air Filters (23 41 13)

23 41 13 00-0072	EA	10" x 20" x 1" Disposable Pleated Air Filter, MERV 8.....	16.82	8.88
23 41 13 00-0073	EA	10" x 24" x 1" Disposable Pleated Air Filter, MERV 8.....	22.69	8.88
23 41 13 00-0074	EA	10" x 30" x 1" Disposable Pleated Air Filter, MERV 8.....	27.33	8.88
23 41 13 00-0075	EA	12" x 12" x 1" Disposable Pleated Air Filter, MERV 8.....	20.52	9.28
23 41 13 00-0076	EA	12" x 20" x 1" Disposable Pleated Air Filter, MERV 8.....	19.43	9.28
23 41 13 00-0077	EA	12" x 24" x 1" Disposable Pleated Air Filter, MERV 8.....	19.26	9.28
23 41 13 00-0078	EA	12" x 25" x 1" Disposable Pleated Air Filter, MERV 8.....	19.26	9.28
23 41 13 00-0079	EA	12" x 30" x 1" Disposable Pleated Air Filter, MERV 8.....	27.87	9.28
23 41 13 00-0080	EA	14" x 14" x 1" Disposable Pleated Air Filter, MERV 8.....	22.85	9.81
23 41 13 00-0081	EA	14" x 20" x 1" Disposable Pleated Air Filter, MERV 8.....	20.13	9.81
23 41 13 00-0082	EA	14" x 24" x 1" Disposable Pleated Air Filter, MERV 8.....	24.24	9.81
23 41 13 00-0083	EA	14" x 25" x 1" Disposable Pleated Air Filter, MERV 8.....	20.63	9.81
23 41 13 00-0084	EA	14" x 30" x 1" Disposable Pleated Air Filter, MERV 8.....	27.33	9.81
23 41 13 00-0085	EA	15" x 20" x 1" Disposable Pleated Air Filter, MERV 8.....	20.58	10.08
23 41 13 00-0086	EA	16" x 16" x 1" Disposable Pleated Air Filter, MERV 8.....	23.38	10.21
23 41 13 00-0087	EA	16" x 20" x 1" Disposable Pleated Air Filter, MERV 8.....	20.43	10.21
23 41 13 00-0088	EA	16" x 24" x 1" Disposable Pleated Air Filter, MERV 8.....	22.92	10.21
23 41 13 00-0089	EA	16" x 25" x 1" Disposable Pleated Air Filter, MERV 8.....	20.99	10.21
23 41 13 00-0090	EA	16" x 30" x 1" Disposable Pleated Air Filter, MERV 8.....	27.86	10.21

MINOR		CSI UOM DESCRIPTION		TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
23 41 13 00-0091	EA	18" x 18" x 1" Disposable Pleated Air Filter, MERV 8	29.63	10.61	
23 41 13 00-0092	EA	18" x 20" x 1" Disposable Pleated Air Filter, MERV 8	23.41	10.61	
23 41 13 00-0093	EA	18" x 24" x 1" Disposable Pleated Air Filter, MERV 8	23.10	10.61	
23 41 13 00-0094	EA	18" x 25" x 1" Disposable Pleated Air Filter, MERV 8	22.89	10.61	
23 41 13 00-0095	EA	18" x 30" x 1" Disposable Pleated Air Filter, MERV 8	29.78	10.61	
23 41 13 00-0096	EA	20" x 20" x 1" Disposable Pleated Air Filter, MERV 8	22.32	11.14	
23 41 13 00-0097	EA	20" x 24" x 1" Disposable Pleated Air Filter, MERV 8	23.45	11.14	
23 41 13 00-0098	EA	20" x 25" x 1" Disposable Pleated Air Filter, MERV 8	23.26	11.14	
23 41 13 00-0099	EA	20" x 30" x 1" Disposable Pleated Air Filter, MERV 8	25.51	11.14	
23 41 13 00-0100	EA	22" x 22" x 1" Disposable Pleated Air Filter, MERV 8	29.86	11.40	
23 41 13 00-0101	EA	24" x 24" x 1" Disposable Pleated Air Filter, MERV 8	24.80	11.53	
23 41 13 00-0102	EA	24" x 30" x 1" Disposable Pleated Air Filter, MERV 8	35.46	11.53	
23 41 13 00-0103	EA	25" x 25" x 1" Disposable Pleated Air Filter, MERV 8	25.96	11.66	
23 41 13 00-0104	EA	10" x 20" x 2" Disposable Pleated Air Filter, MERV 8	19.00	8.88	
23 41 13 00-0105	EA	12" x 12" x 2" Disposable Pleated Air Filter, MERV 8	23.58	9.28	
23 41 13 00-0106	EA	12" x 20" x 2" Disposable Pleated Air Filter, MERV 8	19.91	9.28	
23 41 13 00-0107	EA	12" x 24" x 2" Disposable Pleated Air Filter, MERV 8	19.68	9.28	
23 41 13 00-0108	EA	14" x 20" x 2" Disposable Pleated Air Filter, MERV 8	20.80	9.81	
23 41 13 00-0109	EA	14" x 25" x 2" Disposable Pleated Air Filter, MERV 8	21.49	9.81	
23 41 13 00-0110	EA	15" x 20" x 2" Disposable Pleated Air Filter, MERV 8	21.15	10.08	
23 41 13 00-0111	EA	16" x 16" x 2" Disposable Pleated Air Filter, MERV 8	25.28	10.21	
23 41 13 00-0112	EA	16" x 20" x 2" Disposable Pleated Air Filter, MERV 8	20.91	10.21	
23 41 13 00-0113	EA	16" x 24" x 2" Disposable Pleated Air Filter, MERV 8	23.09	10.21	
23 41 13 00-0114	EA	16" x 25" x 2" Disposable Pleated Air Filter, MERV 8	21.79	10.21	
23 41 13 00-0115	EA	18" x 18" x 2" Disposable Pleated Air Filter, MERV 8	28.56	10.61	
23 41 13 00-0116	EA	18" x 20" x 2" Disposable Pleated Air Filter, MERV 8	25.20	10.61	
23 41 13 00-0117	EA	18" x 24" x 2" Disposable Pleated Air Filter, MERV 8	23.41	10.61	
23 41 13 00-0118	EA	18" x 25" x 2" Disposable Pleated Air Filter, MERV 8	24.09	10.61	
23 41 13 00-0119	EA	20" x 20" x 2" Disposable Pleated Air Filter, MERV 8	23.20	11.14	
23 41 13 00-0120	EA	20" x 24" x 2" Disposable Pleated Air Filter, MERV 8	24.44	11.14	
23 41 13 00-0121	EA	20" x 25" x 2" Disposable Pleated Air Filter, MERV 8	24.22	11.14	
23 41 13 00-0122	EA	20" x 30" x 2" Disposable Pleated Air Filter, MERV 8	32.32	11.14	
23 41 13 00-0123	EA	24" x 24" x 2" Disposable Pleated Air Filter, MERV 8	25.76	11.53	
23 41 13 00-0124	EA	25" x 25" x 2" Disposable Pleated Air Filter, MERV 8	27.88	11.66	
23 41 13 00-0125	EA	12" x 24" x 4" Disposable Pleated Air Filter, MERV 8	27.53	9.28	
23 41 13 00-0126	EA	16" x 20" x 4" Disposable Pleated Air Filter, MERV 8	29.84	10.21	
23 41 13 00-0127	EA	16" x 25" x 4" Disposable Pleated Air Filter, MERV 8	31.53	10.21	
23 41 13 00-0128	EA	18" x 24" x 4" Disposable Pleated Air Filter, MERV 8	33.79	10.61	
23 41 13 00-0129	EA	20" x 20" x 4" Disposable Pleated Air Filter, MERV 8	32.68	11.14	
23 41 13 00-0130	EA	20" x 24" x 4" Disposable Pleated Air Filter, MERV 8	35.03	11.14	
23 41 13 00-0131	EA	20" x 25" x 4" Disposable Pleated Air Filter, MERV 8	35.25	11.14	
23 41 13 00-0132	EA	24" x 24" x 4" Disposable Pleated Air Filter, MERV 8	38.15	11.53	
23 41 13 00-0133	EA	10" x 20" x 1" Disposable Pleated Air Filter, MERV 11	25.27	8.88	
23 41 13 00-0134	EA	10" x 24" x 1" Disposable Pleated Air Filter, MERV 11	25.27	8.88	
23 41 13 00-0135	EA	10" x 30" x 1" Disposable Pleated Air Filter, MERV 11	31.36	8.88	
23 41 13 00-0136	EA	12" x 12" x 1" Disposable Pleated Air Filter, MERV 11	26.72	9.28	
23 41 13 00-0137	EA	12" x 20" x 1" Disposable Pleated Air Filter, MERV 11	26.17	9.28	
23 41 13 00-0138	EA	12" x 24" x 1" Disposable Pleated Air Filter, MERV 11	26.08	9.28	
23 41 13 00-0139	EA	12" x 30" x 1" Disposable Pleated Air Filter, MERV 11	35.16	9.28	
23 41 13 00-0140	EA	14" x 14" x 1" Disposable Pleated Air Filter, MERV 11	29.96	9.81	
23 41 13 00-0141	EA	14" x 20" x 1" Disposable Pleated Air Filter, MERV 11	27.01	9.81	
23 41 13 00-0142	EA	14" x 24" x 1" Disposable Pleated Air Filter, MERV 11	33.35	9.81	
23 41 13 00-0143	EA	14" x 25" x 1" Disposable Pleated Air Filter, MERV 11	32.74	9.81	
23 41 13 00-0144	EA	14" x 30" x 1" Disposable Pleated Air Filter, MERV 11	37.52	9.81	
23 41 13 00-0145	EA	15" x 20" x 1" Disposable Pleated Air Filter, MERV 11	26.28	10.08	
23 41 13 00-0146	EA	16" x 16" x 1" Disposable Pleated Air Filter, MERV 11	35.06	10.21	
23 41 13 00-0147	EA	16" x 20" x 1" Disposable Pleated Air Filter, MERV 11	24.98	10.21	
23 41 13 00-0148	EA	16" x 24" x 1" Disposable Pleated Air Filter, MERV 11	30.63	10.21	
23 41 13 00-0149	EA	16" x 25" x 1" Disposable Pleated Air Filter, MERV 11	28.59	10.21	
23 41 13 00-0150	EA	16" x 30" x 1" Disposable Pleated Air Filter, MERV 11	36.00	10.21	
23 41 13 00-0151	EA	18" x 18" x 1" Disposable Pleated Air Filter, MERV 11	36.92	10.61	
23 41 13 00-0152	EA	18" x 20" x 1" Disposable Pleated Air Filter, MERV 11	32.19	10.61	
23 41 13 00-0153	EA	18" x 24" x 1" Disposable Pleated Air Filter, MERV 11	29.58	10.61	
23 41 13 00-0154	EA	18" x 25" x 1" Disposable Pleated Air Filter, MERV 11	31.16	10.61	
23 41 13 00-0155	EA	18" x 30" x 1" Disposable Pleated Air Filter, MERV 11	40.99	10.61	
23 41 13 00-0156	EA	20" x 20" x 1" Disposable Pleated Air Filter, MERV 11	29.98	11.14	
23 41 13 00-0157	EA	20" x 24" x 1" Disposable Pleated Air Filter, MERV 11	32.31	11.14	
23 41 13 00-0158	EA	20" x 25" x 1" Disposable Pleated Air Filter, MERV 11	32.56	11.14	
23 41 13 00-0159	EA	20" x 30" x 1" Disposable Pleated Air Filter, MERV 11	36.91	11.14	
23 41 13 00-0160	EA	22" x 22" x 1" Disposable Pleated Air Filter, MERV 11	40.36	11.40	
23 41 13 00-0161	EA	24" x 24" x 1" Disposable Pleated Air Filter, MERV 11	35.04	11.53	
23 41 13 00-0162	EA	24" x 30" x 1" Disposable Pleated Air Filter, MERV 11	43.57	11.53	
23 41 13 00-0163	EA	25" x 25" x 1" Disposable Pleated Air Filter, MERV 11	38.73	11.66	
23 41 13 00-0164	EA	10" x 20" x 2" Disposable Pleated Air Filter, MERV 11	25.63	8.88	
23 41 13 00-0165	EA	12" x 12" x 2" Disposable Pleated Air Filter, MERV 11	26.96	9.28	
23 41 13 00-0166	EA	12" x 20" x 2" Disposable Pleated Air Filter, MERV 11	25.88	9.28	
23 41 13 00-0167	EA	12" x 24" x 2" Disposable Pleated Air Filter, MERV 11	29.51	9.28	
23 41 13 00-0168	EA	14" x 20" x 2" Disposable Pleated Air Filter, MERV 11	27.26	9.81	
23 41 13 00-0169	EA	14" x 25" x 2" Disposable Pleated Air Filter, MERV 11	28.31	9.81	
23 41 13 00-0170	EA	15" x 20" x 2" Disposable Pleated Air Filter, MERV 11	28.00	10.08	
23 41 13 00-0171	EA	16" x 16" x 2" Disposable Pleated Air Filter, MERV 11	35.67	10.21	
23 41 13 00-0172	EA	16" x 20" x 2" Disposable Pleated Air Filter, MERV 11	31.78	10.21	
23 41 13 00-0173	EA	16" x 24" x 2" Disposable Pleated Air Filter, MERV 11	31.12	10.21	
23 41 13 00-0174	EA	16" x 25" x 2" Disposable Pleated Air Filter, MERV 11	34.50	10.21	
23 41 13 00-0175	EA	18" x 18" x 2" Disposable Pleated Air Filter, MERV 11	40.47	10.61	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 40 HVAC Air Cleaning Devices****23 41 Particulate Air Filtration**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 41 13 00-0176	EA	18" x 20" x 2" Disposable Pleated Air Filter, MERV 11.....	33.30	10.61
23 41 13 00-0177	EA	18" x 24" x 2" Disposable Pleated Air Filter, MERV 11.....	37.18	10.61
23 41 13 00-0178	EA	18" x 25" x 2" Disposable Pleated Air Filter, MERV 11.....	32.99	10.61
23 41 13 00-0179	EA	20" x 20" x 2" Disposable Pleated Air Filter, MERV 11.....	36.24	11.14
23 41 13 00-0180	EA	20" x 24" x 2" Disposable Pleated Air Filter, MERV 11.....	38.40	11.14
23 41 13 00-0181	EA	20" x 25" x 2" Disposable Pleated Air Filter, MERV 11.....	38.72	11.14
23 41 13 00-0182	EA	24" x 24" x 2" Disposable Pleated Air Filter, MERV 11.....	38.93	11.53
23 41 13 00-0183	EA	25" x 25" x 2" Disposable Pleated Air Filter, MERV 11.....	39.43	11.66
23 41 13 00-0184	EA	12" x 24" x 4" Disposable Pleated Air Filter, MERV 11.....	44.80	9.28
23 41 13 00-0185	EA	16" x 20" x 4" Disposable Pleated Air Filter, MERV 11.....	46.27	10.21
23 41 13 00-0186	EA	16" x 25" x 4" Disposable Pleated Air Filter, MERV 11.....	54.02	10.21
23 41 13 00-0187	EA	18" x 24" x 4" Disposable Pleated Air Filter, MERV 11.....	54.18	10.61
23 41 13 00-0188	EA	20" x 20" x 4" Disposable Pleated Air Filter, MERV 11.....	54.28	11.14
23 41 13 00-0189	EA	20" x 24" x 4" Disposable Pleated Air Filter, MERV 11.....	59.16	11.14
23 41 13 00-0190	EA	20" x 25" x 4" Disposable Pleated Air Filter, MERV 11.....	59.16	11.14
23 41 13 00-0191	EA	24" x 24" x 4" Disposable Pleated Air Filter, MERV 11.....	65.53	11.53
23 41 13 00-0192	EA	8" x 16" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	30.67	8.49
23 41 13 00-0193	EA	8" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	30.67	8.49
23 41 13 00-0194	EA	8" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	30.67	8.49
23 41 13 00-0195	EA	10" x 10" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	31.20	8.88
23 41 13 00-0196	EA	10" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	30.06	8.88
23 41 13 00-0197	EA	10" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	31.20	8.88
23 41 13 00-0198	EA	10" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	31.20	8.88
23 41 13 00-0199	EA	10" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	31.20	8.88
23 41 13 00-0200	EA	12" x 12" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	30.60	9.28
23 41 13 00-0201	EA	12" x 16" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	31.74	9.28
23 41 13 00-0202	EA	12" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	30.60	9.28
23 41 13 00-0203	EA	12" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	30.60	9.28
23 41 13 00-0204	EA	12" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	31.74	9.28
23 41 13 00-0205	EA	12" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	31.74	9.28
23 41 13 00-0206	EA	12" x 36" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	32.88	9.28
23 41 13 00-0207	EA	14" x 14" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	31.30	9.81
23 41 13 00-0208	EA	14" x 18" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	32.44	9.81
23 41 13 00-0209	EA	14" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	31.30	9.81
23 41 13 00-0210	EA	14" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	31.30	9.81
23 41 13 00-0211	EA	14" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	31.30	9.81
23 41 13 00-0212	EA	14" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	32.44	9.81
23 41 13 00-0213	EA	15" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	31.65	10.08
23 41 13 00-0214	EA	15" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	32.79	10.08
23 41 13 00-0215	EA	15" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	32.79	10.08
23 41 13 00-0216	EA	16" x 16" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	31.83	10.21
23 41 13 00-0217	EA	16" x 18" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	32.97	10.21
23 41 13 00-0218	EA	16" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	31.83	10.21
23 41 13 00-0219	EA	16" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	31.83	10.21
23 41 13 00-0220	EA	16" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	31.83	10.21
23 41 13 00-0221	EA	16" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	32.97	10.21
23 41 13 00-0222	EA	16" x 32" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	32.97	10.21
23 41 13 00-0223	EA	16" x 36" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	36.67	10.21
23 41 13 00-0224	EA	18" x 18" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	32.36	10.61
23 41 13 00-0225	EA	18" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	34.64	10.61
23 41 13 00-0226	EA	18" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	32.36	10.61
23 41 13 00-0227	EA	18" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	34.64	10.61
23 41 13 00-0228	EA	18" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	34.64	10.61
23 41 13 00-0229	EA	18" x 36" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	37.20	10.61
23 41 13 00-0230	EA	19" x 27" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	35.35	11.14
23 41 13 00-0231	EA	20" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	33.07	11.14
23 41 13 00-0232	EA	20" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	33.07	11.14
23 41 13 00-0233	EA	20" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	33.07	11.14
23 41 13 00-0234	EA	20" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	34.21	11.14
23 41 13 00-0235	EA	20" x 32" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	37.91	11.14
23 41 13 00-0236	EA	20" x 36" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	37.91	11.14
23 41 13 00-0237	EA	21" x 21" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	35.53	11.27
23 41 13 00-0238	EA	22" x 22" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	34.56	11.40
23 41 13 00-0239	EA	24" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	37.02	11.53
23 41 13 00-0240	EA	24" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	37.02	11.53
23 41 13 00-0241	EA	24" x 36" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	40.72	11.53
23 41 13 00-0242	EA	25" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	37.20	11.66
23 41 13 00-0243	EA	25" x 32" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	40.90	11.66
23 41 13 00-0244	EA	30" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	41.25	11.93

23 41 13 00-0245 Carbon Vapor Trap, Disposable V-Bank Filter (23 41 13)

23 41 13 00-0246	EA	24" x 24" x 12" Thick Carbon Vapor, Disposable V-Bank Filter	985.55	26.52
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23 41 13 00-0247 Electrostatic Air Filters With Frame, Element And Busbar (23 41 13)

23 41 13 00-0248	MF3	Electrostatic Air Filter, High Efficiency Non-Supported With Frame, Element And Busbar	59.28	
23 41 13 00-0249	MF3	Electrostatic Air Filter, Medium Efficiency Non-Supported With Frame, Element And Busbar	57.26	
23 41 13 00-0250	MF3	Electrostatic Air Filter, Glass/Paper Throwaway With Frame, Element And Busbar	2.47	

23 41 16 Renewable-Media Air Filters (23 41)**23 41 16 00-0001 Renewable-Media Electrostatic Air Filters With Frame, Element And Busbar (23 41 16)**

23 41 16 00-0002 MF3 Electrostatic Air Filter, 5' Disposable Roll Renewable With Frame, Element And Busbar 102.01

23 41 19 Washable Air Filters ^(23 41)
23 41 19 00-0001 Washable Electrostatic Air Filters With Frame, Element And Busbar ^(23 41 19)

23 41 19 00-0002 MF3 Electrostatic Air Filter, Permanent, Washable With Frame, Element And Busbar 38.95

23 41 33 High-Efficiency Particulate Filtration ^(23 41)
23 41 33 00-0001 High Efficiency Particulate Air (HEPA) Filters ^(23 41 33)

Note: Includes particleboard and kraft paper frame and separator material.

23 41 33 00-0002 High Efficiency Particulate Air (HEPA) Filters DOP Efficiency-95% ^(23 41 33 00-0001)

23 41 33 00-0003	EA 12" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 150 CFM, Complete	126.75	24.75
	For >25 To 50, Deduct	-6.34	
	For >10 To 25, Deduct	-3.17	
	For >100, Deduct	-12.68	
	For >50 To 100, Deduct	-9.51	
	For Removal And Replacement In Existing Equipment, Add	4.95	
23 41 33 00-0004	EA 24" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 375 CFM, Complete	164.40	28.29
	For >25 To 50, Deduct	-8.22	
	For >10 To 25, Deduct	-4.11	
	For >100, Deduct	-16.44	
	For >50 To 100, Deduct	-12.33	
	For Removal And Replacement In Existing Equipment, Add	5.66	
23 41 33 00-0005	EA 24" x 18" x 6", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 450 CFM, Complete	192.06	32.71
	For >25 To 50, Deduct	-9.60	
	For >10 To 25, Deduct	-4.80	
	For >100, Deduct	-19.21	
	For >50 To 100, Deduct	-14.40	
	For Removal And Replacement In Existing Equipment, Add	6.54	
23 41 33 00-0006	EA 24" x 24" x 6", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 700 CFM, Complete	219.74	37.12
	For >25 To 50, Deduct	-10.99	
	For >10 To 25, Deduct	-5.49	
	For >100, Deduct	-21.97	
	For >50 To 100, Deduct	-16.48	
	For Removal And Replacement In Existing Equipment, Add	7.42	
23 41 33 00-0007	EA 12" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 250 CFM, Complete	151.19	26.52
	For >25 To 50, Deduct	-7.56	
	For >10 To 25, Deduct	-3.78	
	For >100, Deduct	-15.12	
	For >50 To 100, Deduct	-11.34	
	For Removal And Replacement In Existing Equipment, Add	5.30	
23 41 33 00-0008	EA 24" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 500 CFM, Complete	198.87	30.94
	For >25 To 50, Deduct	-9.94	
	For >10 To 25, Deduct	-4.97	
	For >100, Deduct	-19.89	
	For >50 To 100, Deduct	-14.92	
	For Removal And Replacement In Existing Equipment, Add	6.19	
23 41 33 00-0009	EA 24" x 18" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 875 CFM, Complete	236.26	35.35
	For >25 To 50, Deduct	-11.81	
	For >10 To 25, Deduct	-5.91	
	For >100, Deduct	-23.63	
	For >50 To 100, Deduct	-17.72	
	For Removal And Replacement In Existing Equipment, Add	7.07	
23 41 33 00-0010	EA 24" x 24" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 1,000 CFM, Complete	282.50	44.19
	For >25 To 50, Deduct	-14.13	
	For >10 To 25, Deduct	-7.06	
	For >100, Deduct	-28.25	
	For >50 To 100, Deduct	-21.19	
	For Removal And Replacement In Existing Equipment, Add	8.84	

23 41 33 00-0011 High Efficiency Particulate Air (HEPA) Filters DOP Efficiency-99.99% ^(23 41 33 00-0001)

23 41 33 00-0012	EA 12" x 12" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	109.39	22.10
	For >25 To 50, Deduct	-5.47	
	For >10 To 25, Deduct	-2.73	
	For >100, Deduct	-10.94	
	For >50 To 100, Deduct	-8.20	
	For Removal And Replacement In Existing Equipment, Add	4.42	
23 41 33 00-0013	EA 24" x 12" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	147.77	26.52
	For >25 To 50, Deduct	-7.39	
	For >10 To 25, Deduct	-3.69	
	For >100, Deduct	-14.78	
	For >50 To 100, Deduct	-11.08	
	For Removal And Replacement In Existing Equipment, Add	5.30	
23 41 33 00-0014	EA 24" x 24" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	217.54	30.94
	For >25 To 50, Deduct	-10.88	
	For >10 To 25, Deduct	-5.44	
	For >100, Deduct	-21.75	
	For >50 To 100, Deduct	-16.32	
	For Removal And Replacement In Existing Equipment, Add	6.19	
23 41 33 00-0015	EA 36" x 24" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	275.75	35.35
	For >25 To 50, Deduct	-13.79	
	For >10 To 25, Deduct	-6.89	
	For >100, Deduct	-27.58	
	For >50 To 100, Deduct	-20.68	
	For Removal And Replacement In Existing Equipment, Add	7.07	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 40 HVAC Air Cleaning Devices****23 41 Particulate Air Filtration**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 41 33 00-0016	EA	8" x 8" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	100.49	17.68
		<i>For >25 To 50, Deduct</i>	-5.02	
		<i>For >10 To 25, Deduct</i>	-2.51	
		<i>For >100, Deduct</i>	-10.05	
		<i>For >50 To 100, Deduct</i>	-7.54	
		<i>For Removal And Replacement In Existing Equipment, Add</i>	3.54	
23 41 33 00-0017	EA	12" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 150 CFM, Complete	133.57	23.87
		<i>For >25 To 50, Deduct</i>	-6.68	
		<i>For >10 To 25, Deduct</i>	-3.34	
		<i>For >100, Deduct</i>	-13.36	
		<i>For >50 To 100, Deduct</i>	-10.02	
		<i>For Removal And Replacement In Existing Equipment, Add</i>	4.77	
23 41 33 00-0018	EA	24" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 325 CFM, Complete	176.38	28.29
		<i>For >25 To 50, Deduct</i>	-8.82	
		<i>For >10 To 25, Deduct</i>	-4.41	
		<i>For >100, Deduct</i>	-17.64	
		<i>For >50 To 100, Deduct</i>	-13.23	
		<i>For Removal And Replacement In Existing Equipment, Add</i>	5.66	
23 41 33 00-0019	EA	24" x 18" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 550 CFM, Complete	207.02	33.14
		<i>For >25 To 50, Deduct</i>	-10.35	
		<i>For >10 To 25, Deduct</i>	-5.18	
		<i>For >100, Deduct</i>	-20.70	
		<i>For >50 To 100, Deduct</i>	-15.53	
		<i>For Removal And Replacement In Existing Equipment, Add</i>	6.63	
23 41 33 00-0020	EA	24" x 24" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 775 CFM, Complete	235.90	37.12
		<i>For >25 To 50, Deduct</i>	-11.80	
		<i>For >10 To 25, Deduct</i>	-5.90	
		<i>For >100, Deduct</i>	-23.59	
		<i>For >50 To 100, Deduct</i>	-17.69	
		<i>For Removal And Replacement In Existing Equipment, Add</i>	7.42	
23 41 33 00-0021	EA	12" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 250 CFM, Complete	162.09	26.52
		<i>For >25 To 50, Deduct</i>	-8.10	
		<i>For >10 To 25, Deduct</i>	-4.05	
		<i>For >100, Deduct</i>	-16.21	
		<i>For >50 To 100, Deduct</i>	-12.16	
		<i>For Removal And Replacement In Existing Equipment, Add</i>	5.30	
23 41 33 00-0022	EA	24" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 500 CFM, Complete	214.10	30.94
		<i>For >25 To 50, Deduct</i>	-10.71	
		<i>For >10 To 25, Deduct</i>	-5.35	
		<i>For >100, Deduct</i>	-21.41	
		<i>For >50 To 100, Deduct</i>	-16.06	
		<i>For Removal And Replacement In Existing Equipment, Add</i>	6.19	
23 41 33 00-0023	EA	24" x 18" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 775 CFM, Complete	254.66	35.35
		<i>For >25 To 50, Deduct</i>	-12.73	
		<i>For >10 To 25, Deduct</i>	-6.37	
		<i>For >100, Deduct</i>	-25.47	
		<i>For >50 To 100, Deduct</i>	-19.10	
		<i>For Removal And Replacement In Existing Equipment, Add</i>	7.07	
23 41 33 00-0024	EA	24" x 24" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 1,100 CFM, Complete	314.32	44.19
		<i>For >25 To 50, Deduct</i>	-15.72	
		<i>For >10 To 25, Deduct</i>	-7.86	
		<i>For >100, Deduct</i>	-31.43	
		<i>For >50 To 100, Deduct</i>	-23.57	
		<i>For Removal And Replacement In Existing Equipment, Add</i>	8.84	

23 41 33 00-0025 High Efficiency Particulate Air (HEPA) Filter Housings, 14 Gauge Galvanized Sheet Metal (23 41 33)

Note: Nominal sizes.

23 41 33 00-0026	EA	12" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	372.13	131.82
23 41 33 00-0027	EA	24" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	709.49	262.02
23 41 33 00-0028	EA	24" x 18" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	716.94	262.02
23 41 33 00-0029	EA	24" x 24" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	721.91	262.02
23 41 33 00-0030	EA	24" x 48" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	756.67	262.02
23 41 33 00-0031	EA	24" x 72" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	800.12	262.02
23 41 33 00-0032	EA	48" x 48" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,389.19	525.68
23 41 33 00-0033	EA	48" x 72" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,494.71	525.68
23 41 33 00-0034	EA	48" x 96" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,628.79	525.68
23 41 33 00-0035	EA	12" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	393.24	131.82
23 41 33 00-0036	EA	24" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	745.49	262.02
23 41 33 00-0037	EA	24" x 18" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	754.18	262.02
23 41 33 00-0038	EA	24" x 24" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	760.39	262.02
23 41 33 00-0039	EA	24" x 48" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	801.36	262.02
23 41 33 00-0040	EA	24" x 72" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	855.98	262.02
23 41 33 00-0041	EA	48" x 48" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,476.09	525.68
23 41 33 00-0042	EA	48" x 72" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,607.69	525.68
23 41 33 00-0043	EA	48" x 96" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,774.04	525.68

23 41 33 00-0044 Filter, Bag Type, 90-95% Efficiency (23 41 33)

23 41 33 00-0045	EA	0.75 - 1.25 MCFM, 24" x 12" x 29" Filter, Bag Type, 90 - 95% Efficiency	378.79	170.88
23 41 33 00-0046	EA	1.5 - 2.5 MCFM, 24" x 24" x 29" Filter, Bag Type, 90 - 95% Efficiency	413.53	170.88

23 41 33 00-0047 Filter, Bag Type, 80-85% Efficiency (23 41 33)

23 41 33 00-0048	EA	0.75 - 1.25 MCFM, 24" x 12" x 29" Filter, Bag Type, 80 - 85% Efficiency	374.80	170.88
23 41 33 00-0049	EA	1.5 - 2.5 MCFM, 24" x 24" x 29" Filter, Bag Type, 80 - 85% Efficiency	400.43	170.88

23 42 Gas-Phase Air Filtration (23 40)

23 42 13 Activated-Carbon Air Filtration (23 42)

23 42 13 00-0001	EA	12" x 24" x 1" Thick Activated Carbon Honeycomb Disposable Filter.....	45.63	13.26
23 42 13 00-0002	EA	16" x 20" x 1" Thick Activated Carbon Honeycomb Disposable Filter.....	46.06	13.26
23 42 13 00-0003	EA	16" x 25" x 1" Thick Activated Carbon Honeycomb Disposable Filter.....	46.33	13.26
23 42 13 00-0004	EA	20" x 20" x 1" Thick Activated Carbon Honeycomb Disposable Filter.....	46.33	13.26
23 42 13 00-0005	EA	20" x 25" x 1" Thick Activated Carbon Honeycomb Disposable Filter.....	49.58	13.26
23 42 13 00-0006	EA	24" x 24" x 1" Thick Activated Carbon Honeycomb Disposable Filter.....	54.94	13.26
23 42 13 00-0007	EA	12" x 24" x 2" Thick Activated Carbon Honeycomb Disposable Filter.....	56.67	15.03
23 42 13 00-0008	EA	16" x 20" x 2" Thick Activated Carbon Honeycomb Disposable Filter.....	57.04	15.03
23 42 13 00-0009	EA	16" x 25" x 2" Thick Activated Carbon Honeycomb Disposable Filter.....	57.35	15.03
23 42 13 00-0010	EA	20" x 20" x 2" Thick Activated Carbon Honeycomb Disposable Filter.....	57.35	15.03
23 42 13 00-0011	EA	20" x 25" x 2" Thick Activated Carbon Honeycomb Disposable Filter.....	60.95	15.03
23 42 13 00-0012	EA	24" x 24" x 2" Thick Activated Carbon Honeycomb Disposable Filter.....	70.98	15.03
23 42 13 00-0013	EA	16" x 20" x 1" Thick Carbon Impregnated Pleated Air Filter.....	30.73	13.26
23 42 13 00-0014	EA	16" x 25" x 1" Thick Carbon Impregnated Pleated Air Filter.....	32.28	13.26
23 42 13 00-0015	EA	20" x 20" x 1" Thick Carbon Impregnated Pleated Air Filter.....	32.34	13.26
23 42 13 00-0016	EA	20" x 25" x 1" Thick Carbon Impregnated Pleated Air Filter.....	34.37	13.26
23 42 13 00-0017	EA	24" x 24" x 1" Thick Carbon Impregnated Pleated Air Filter.....	36.17	13.26
23 42 13 00-0018	EA	16" x 20" x 2" Thick Carbon Impregnated Pleated Air Filter.....	35.42	15.03
23 42 13 00-0019	EA	16" x 25" x 2" Thick Carbon Impregnated Pleated Air Filter.....	38.12	15.03
23 42 13 00-0020	EA	20" x 20" x 2" Thick Carbon Impregnated Pleated Air Filter.....	38.69	15.03
23 42 13 00-0021	EA	20" x 25" x 2" Thick Carbon Impregnated Pleated Air Filter.....	42.04	15.03
23 42 13 00-0022	EA	24" x 24" x 2" Thick Carbon Impregnated Pleated Air Filter.....	44.17	15.03
23 42 13 00-0023	EA	24" x 24" x 4" Thick Carbon Impregnated Pleated Air Filter.....	68.06	15.91

23 43 Electronic Air Cleaners (23 40)

23 43 23 Self-Contained Electronic Air Cleaners (23 43)

23 43 23 00-0001 Stationary Floor, Room Air Purifier (23 43 23)

23 43 23 00-0002	EA	Stationary Floor Room Air Purifier, Up to 390 SF (Blueair Pro M)	1,163.56	
23 43 23 00-0003	EA	Stationary Floor Room Air Purifier, Up to 780 SF (Blueair Pro L)	1,620.02	
23 43 23 00-0004	EA	Stationary Floor Room Air Purifier, Up to 1,180 SF (Blueair Pro XL).....	4,097.92	
23 43 23 00-0005	EA	Stationary Floor Room Air Purifier, Up to 550 SF (Delos Compact)	917.42	
23 43 23 00-0006	EA	Stationary Floor Room Air Purifier, Up to 1,125 SF (Delos 468 Ultrafine)	1,651.01	
23 43 23 00-0007	EA	Stationary Floor Room Air Purifier, Up to 3,500 SF (Delos 980P Commercial)	6,541.61	

23 43 23 00-0008 Surface Mounted, Room Air Purifier (23 43 23)

23 43 23 00-0009	EA	Ceiling Mount Media Air Cleaner With 99.97% HEPA Filters (Honeywell F114A1067)	2,947.63	
23 43 23 00-0010	EA	Ceiling Mount Media Air Cleaner With 99.97% HEPA Filters (Honeywell F115A1064)	4,127.00	
23 43 23 00-0011	EA	Ceiling Mount Media Air Cleaner With 99.97% HEPA Filters (Honeywell F111A1063W-3S)	4,727.81	

23 43 23 00-0012 Suspension Ceiling Mounted, Room Air Purifier (23 43 23)

23 43 23 00-0013	EA	2" x 4" Suspension Ceiling Mounted, Air Purification System (Armstrong VidaShield UV24)	3,834.90	
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23 43 23 00-0014 Wall Mounted, Room Air Purifier (23 43 23)

23 43 23 00-0015	EA	Air Purifier, Wall Mount, Bipolar Ionizer (Bi-Polar 2400)	989.38	
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23 43 23 00-0016 Duct Mounted, Ionization System (23 43 23)

23 43 23 00-0017	EA	Up To 10,000 CFM, 120/240 VAC, 50 Watt, 8 Tubes, Single Phase, Series 500 Bipolar Ionization System (AtmosAir 500FC).....	13,044.48	707.06
23 43 23 00-0018	EA	Up To 15,000 CFM, 120/240 VAC, 50 Watt, 5 Tubes, Single Phase, Series 500 Bipolar Ionization System (AtmosAir 508FC).....	17,691.51	883.82

23 50 Central Heating Equipment (23)

Note: Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 26 05 19 16-0011 for electrical connection and termination, 26 05 83 00-0130 for terminations, 26 28 16 16-0001 for disconnect.

23 51 Breechings, Chimneys, and Stacks (23 50)

23 51 13 Draft Control Devices (23 51)

23 51 13 13 Draft-Induction Fans (23 51 13)

23 51 13 13-0001 Vertical Discharge Fans (23 51 13 13)

Note: Includes chimney adapter. Excludes wiring.

23 51 13 13-0002 Axial Vane Vertical Discharge Fans (23 51 13 13-0001)

23 51 13 13-0003	EA	450 CFM Vertical Discharge Chimney Fan, Axial Vane.....	3,991.00	358.04
23 51 13 13-0004	EA	950 CFM Vertical Discharge Chimney Fan, Axial Vane.....	4,518.37	390.59
23 51 13 13-0005	EA	1,400 CFM Vertical Discharge Chimney Fan, Axial Vane.....	5,408.74	431.28
23 51 13 13-0006	EA	1,800 CFM Vertical Discharge Chimney Fan, Axial Vane.....	7,043.46	500.44

23 51 13 13-0007 Centrifugal Impeller Vertical Discharge Fans (23 51 13 13-0001)

23 51 13 13-0008	EA	700 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller.....	4,781.78	390.59
23 51 13 13-0009	EA	1,100 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller.....	5,813.45	431.28

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, and Stacks**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 51 13 13-0010	EA	2,300 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller.....	7,526.83	504.51
23 51 13 13-0011	EA	3,000 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller.....	8,901.03	565.54

23 51 13 13-0012 Accessories For Vertical Discharge Fans (23 51 13 13-0001)

23 51 13 13-0013	EA	Modulating Fan Controller And Sensor	590.87	122.06
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23 51 13 16 Vent Dampers (23 51 13)**23 51 13 16-0001 Flue Shutter Draft Control Damper, Parallel Blade (23 51 13 16)**

23 51 13 16-0002	EA	3" Round Flue Shutter Draft Control Damper.....	1,124.00	72.26
23 51 13 16-0003	EA	4" Round Flue Shutter Draft Control Damper.....	1,230.41	76.66
23 51 13 16-0004	EA	5" Round Flue Shutter Draft Control Damper.....	1,355.85	81.37
23 51 13 16-0005	EA	6" Round Flue Shutter Draft Control Damper.....	1,448.43	86.78
23 51 13 16-0006	EA	7" Round Flue Shutter Draft Control Damper.....	1,580.01	92.96
23 51 13 16-0007	EA	8" Round Flue Shutter Draft Control Damper.....	1,679.50	100.09
23 51 13 16-0008	EA	10" Round Flue Shutter Draft Control Damper.....	1,855.19	108.52
23 51 13 16-0009	EA	12" Round Flue Shutter Draft Control Damper.....	2,036.50	118.34
23 51 13 16-0010	EA	14" Round Flue Shutter Draft Control Damper.....	2,273.12	124.09
23 51 13 16-0011	EA	16" Round Flue Shutter Draft Control Damper.....	2,439.51	130.19
23 51 13 16-0012	EA	18" Round Flue Shutter Draft Control Damper.....	2,660.93	136.71
23 51 13 16-0013	EA	20" Round Flue Shutter Draft Control Damper.....	3,192.89	216.45
23 51 13 16-0014	EA	22" Round Flue Shutter Draft Control Damper.....	3,495.38	229.88
23 51 13 16-0015	EA	24" Round Flue Shutter Draft Control Damper.....	3,783.56	244.12
23 51 13 16-0016	EA	26" Round Flue Shutter Draft Control Damper.....	3,851.27	252.26
23 51 13 16-0017	EA	28" Round Flue Shutter Draft Control Damper.....	3,972.72	260.40
23 51 13 16-0018	EA	30" Round Flue Shutter Draft Control Damper.....	4,091.17	276.67
23 51 13 16-0019	EA	32" Round Flue Shutter Draft Control Damper.....	4,266.10	284.63
23 51 13 16-0020	EA	34" Round Flue Shutter Draft Control Damper.....	4,454.97	300.90
23 51 13 16-0021	EA	36" Round Flue Shutter Draft Control Damper.....	4,677.30	325.50
23 51 13 16-0022	EA	38" Round Flue Shutter Draft Control Damper.....	4,909.51	336.67
23 51 13 16-0023	EA	40" Round Flue Shutter Draft Control Damper.....	5,119.31	341.77
23 51 13 16-0024	EA	42" Round Flue Shutter Draft Control Damper.....	5,370.34	358.04
23 51 13 16-0025	EA	44" Round Flue Shutter Draft Control Damper.....	5,622.72	374.32
23 51 13 16-0026	EA	46" Round Flue Shutter Draft Control Damper.....	5,875.76	390.59
23 51 13 16-0027	EA	48" Round Flue Shutter Draft Control Damper.....	6,127.80	406.87

23 51 13 19 Barometric Dampers (23 51 13)**23 51 13 19-0001 Barometric Dampers (23 51 13 19)**

23 51 13 19-0002	EA	6" x 6" Barometric Damper	500.32	14.13
23 51 13 19-0003	EA	12" x 12" Barometric Damper	722.56	19.42
23 51 13 19-0004	EA	18" x 18" Barometric Damper	973.01	30.01
23 51 13 19-0005	EA	24" x 24" Barometric Damper	1,185.61	56.50
23 51 13 19-0006	EA	6" Diameter Barometric Damper	252.54	14.13
		<i>For Stainless Steel, Add</i>	<i>257.08</i>	
23 51 13 19-0007	EA	7" Diameter Barometric Damper	298.49	15.88
		<i>For Stainless Steel, Add</i>	<i>305.42</i>	
23 51 13 19-0008	EA	8" Diameter Barometric Damper	346.36	17.65
		<i>For Stainless Steel, Add</i>	<i>354.20</i>	
23 51 13 19-0009	EA	9" Diameter Barometric Damper	422.81	17.65
		<i>For Stainless Steel, Add</i>	<i>448.68</i>	
23 51 13 19-0010	EA	10" Diameter Barometric Damper	551.69	21.18
		<i>For Stainless Steel, Add</i>	<i>611.27</i>	
23 51 13 19-0011	EA	12" Diameter Barometric Damper	697.23	22.95
		<i>For Stainless Steel, Add</i>	<i>788.37</i>	
23 51 13 19-0012	EA	14" Diameter Barometric Damper	872.74	24.72
		<i>For Stainless Steel, Add</i>	<i>1,005.47</i>	
23 51 13 19-0013	EA	15" Diameter Barometric Damper	1,039.18	26.48
		<i>For Stainless Steel, Add</i>	<i>1,208.49</i>	
23 51 13 19-0014	EA	16" Diameter Barometric Damper	1,203.14	30.01
		<i>For Stainless Steel, Add</i>	<i>1,411.09</i>	
23 51 13 19-0015	EA	18" Diameter Barometric Damper	1,577.30	31.78
		<i>For Stainless Steel, Add</i>	<i>1,885.25</i>	
23 51 13 19-0016	EA	20" Diameter Barometric Damper	1,874.00	35.31
		<i>For Stainless Steel, Add</i>	<i>2,256.59</i>	
23 51 13 19-0017	EA	24" Diameter Barometric Damper	2,253.81	35.31
		<i>For Stainless Steel, Add</i>	<i>2,742.18</i>	
23 51 13 19-0018	EA	30" Diameter Barometric Damper	2,773.63	40.60
		<i>For Stainless Steel, Add</i>	<i>3,399.16</i>	
23 51 13 19-0019	EA	36" Diameter Barometric Damper	3,529.05	42.37
		<i>For Stainless Steel, Add</i>	<i>4,370.35</i>	

23 51 16 Fabricated Breechings and Accessories (23 51)**23 51 16 00-0001 Round Galvanized Double Wall Flue/Vent Pipe And Fittings (23 51 16)****23 51 16 00-0002 Round Galvanized Double Wall Flue/Vent Pipe (23 51 16 00-0001)**

23 51 16 00-0003	LF	3" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	43.46	14.48
		Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness		
		<i>For 2" Wall Instead Of 1", Add</i>	<i>5.81</i>	
		<i>For Aluminum Liner, Add</i>	<i>0.40</i>	
		<i>For 304 Stainless Steel Liner, Add</i>	<i>0.55</i>	
		<i>For 3" To 4" Wall Instead Of 1", Add</i>	<i>10.52</i>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0004	LF		4" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	46.31	15.30
			Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness		
			For 2" Wall Instead Of 1", Add	6.43	
			For Aluminum Liner, Add	0.49	
			For 304 Stainless Steel Liner, Add	0.67	
			For 3" To 4" Wall Instead Of 1", Add	11.51	
23 51 16 00-0005	LF		5" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	50.92	16.27
			Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness		
			For 2" Wall Instead Of 1", Add	7.22	
			For Aluminum Liner, Add	0.59	
			For 304 Stainless Steel Liner, Add	0.80	
			For 3" To 4" Wall Instead Of 1", Add	12.85	
23 51 16 00-0006	LF		6" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	55.28	17.42
			Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness		
			For 2" Wall Instead Of 1", Add	8.00	
			For Aluminum Liner, Add	0.68	
			For 304 Stainless Steel Liner, Add	0.93	
			For 3" To 4" Wall Instead Of 1", Add	14.15	
23 51 16 00-0007	LF		7" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	63.73	18.55
			Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness		
			For 2" Wall Instead Of 1", Add	10.02	
			For Aluminum Liner, Add	1.00	
			For 304 Stainless Steel Liner, Add	1.37	
			For 3" To 4" Wall Instead Of 1", Add	17.30	
23 51 16 00-0008	LF		8" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	70.82	20.02
			Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness		
			For 2" Wall Instead Of 1", Add	11.14	
			For Aluminum Liner, Add	1.12	
			For 304 Stainless Steel Liner, Add	1.52	
			For 3" To 4" Wall Instead Of 1", Add	19.24	
23 51 16 00-0009	LF		10" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	97.50	21.49
			Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness		
			For 2" Wall Instead Of 1", Add	18.32	
			For Aluminum Liner, Add	2.36	
			For 304 Stainless Steel Liner, Add	3.21	
			For 3" To 4" Wall Instead Of 1", Add	30.22	
23 51 16 00-0010	LF		12" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	116.74	23.76
			Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness		
			For 2" Wall Instead Of 1", Add	23.17	
			For Aluminum Liner, Add	3.16	
			For 304 Stainless Steel Liner, Add	4.31	
			For 3" To 4" Wall Instead Of 1", Add	37.72	
23 51 16 00-0011	LF		14" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	158.57	24.74
			Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness		
			For 2" Wall Instead Of 1", Add	35.17	
			For Aluminum Liner, Add	5.31	
			For 304 Stainless Steel Liner, Add	7.24	
			For 3" To 4" Wall Instead Of 1", Add	55.85	
23 51 16 00-0012	LF		16" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	195.00	26.04
			Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness		
			For 2" Wall Instead Of 1", Add	45.54	
			For Aluminum Liner, Add	7.16	
			For 304 Stainless Steel Liner, Add	9.76	
			For 3" To 4" Wall Instead Of 1", Add	71.55	
23 51 16 00-0013	LF		18" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	237.23	27.35
			Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness		
			For 2" Wall Instead Of 1", Add	57.36	
			For Aluminum Liner, Add	9.25	
			For 304 Stainless Steel Liner, Add	12.61	
			For 3" To 4" Wall Instead Of 1", Add	89.49	
23 51 16 00-0014	LF		20" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	306.84	43.45
			Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness		
			For 2" Wall Instead Of 1", Add	70.61	
			For Aluminum Liner, Add	10.98	
			For 304 Stainless Steel Liner, Add	14.97	
			For 3" To 4" Wall Instead Of 1", Add	111.28	
23 51 16 00-0015	LF		22" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	367.53	45.90
			Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness		
			For 2" Wall Instead Of 1", Add	87.10	
			For Aluminum Liner, Add	13.84	
			For 304 Stainless Steel Liner, Add	18.88	
			For 3" To 4" Wall Instead Of 1", Add	136.43	
23 51 16 00-0016	LF		24" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	433.34	48.82
			Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness		
			For 2" Wall Instead Of 1", Add	105.39	
			For Aluminum Liner, Add	17.07	
			For 304 Stainless Steel Liner, Add	23.27	
			For 3" To 4" Wall Instead Of 1", Add	164.24	
23 51 16 00-0017	LF		26" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	499.18	50.45
			Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness		
			For 2" Wall Instead Of 1", Add	124.56	
			For Aluminum Liner, Add	20.53	
			For 304 Stainless Steel Liner, Add	27.99	
			For 3" To 4" Wall Instead Of 1", Add	193.14	
23 51 16 00-0018	LF		28" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	522.90	52.08
			Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness		
			For 2" Wall Instead Of 1", Add	130.84	
			For Aluminum Liner, Add	21.60	
			For 304 Stainless Steel Liner, Add	29.46	
			For 3" To 4" Wall Instead Of 1", Add	202.77	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, and Stacks**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 51 16 00-0019	LF	30" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	555.96	55.83
		Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness		
		For 2" Wall Instead Of 1", Add	138.92	
		For Aluminum Liner, Add	22.91	
		For 304 Stainless Steel Liner, Add	31.25	
		For 3" To 4" Wall Instead Of 1", Add	215.35	
23 51 16 00-0020	LF	32" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	626.24	57.94
		For 2" Wall Instead Of 1", Add	158.97	
		For Aluminum Liner, Add	26.49	
		For 304 Stainless Steel Liner, Add	36.13	
		For 3" To 4" Wall Instead Of 1", Add	245.68	
23 51 16 00-0021	LF	34" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	699.06	60.06
		For 2" Wall Instead Of 1", Add	179.70	
		For Aluminum Liner, Add	30.19	
		For 304 Stainless Steel Liner, Add	41.17	
		For 3" To 4" Wall Instead Of 1", Add	277.06	
23 51 16 00-0022	LF	36" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	735.43	62.50
		For 2" Wall Instead Of 1", Add	189.42	
		For Aluminum Liner, Add	31.86	
		For 304 Stainless Steel Liner, Add	43.45	
		For 3" To 4" Wall Instead Of 1", Add	291.93	
23 51 16 00-0023	LF	38" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	796.15	65.10
		For 2" Wall Instead Of 1", Add	206.34	
		For Aluminum Liner, Add	34.85	
		For 304 Stainless Steel Liner, Add	47.52	
		For 3" To 4" Wall Instead Of 1", Add	317.63	
23 51 16 00-0024	LF	40" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	874.95	67.87
		For 2" Wall Instead Of 1", Add	228.54	
		For Aluminum Liner, Add	38.79	
		For 304 Stainless Steel Liner, Add	52.89	
		For 3" To 4" Wall Instead Of 1", Add	351.29	
23 51 16 00-0025	LF	42" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	915.36	70.96
		For 2" Wall Instead Of 1", Add	239.09	
		For Aluminum Liner, Add	40.58	
		For 304 Stainless Steel Liner, Add	55.33	
		For 3" To 4" Wall Instead Of 1", Add	367.51	
23 51 16 00-0026	LF	44" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	1,010.59	74.38
		For 2" Wall Instead Of 1", Add	265.97	
		For Aluminum Liner, Add	45.35	
		For 304 Stainless Steel Liner, Add	61.84	
		For 3" To 4" Wall Instead Of 1", Add	408.26	
23 51 16 00-0027	LF	46" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	1,095.82	78.12
		For 2" Wall Instead Of 1", Add	289.68	
		For Aluminum Liner, Add	49.53	
		For 304 Stainless Steel Liner, Add	67.54	
		For 3" To 4" Wall Instead Of 1", Add	444.29	
23 51 16 00-0028	LF	48" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	1,203.31	82.19
		For 2" Wall Instead Of 1", Add	319.96	
		For Aluminum Liner, Add	54.90	
		For 304 Stainless Steel Liner, Add	74.86	
		For 3" To 4" Wall Instead Of 1", Add	490.20	

23 51 16 00-0029 90 Degree Elbows (23 51 16 00-0001)

23 51 16 00-0030	EA	3" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	105.36	28.97
		For 2" Wall Instead Of 1", Add	17.26	
		For Aluminum Liner, Add	1.85	
		For 304 Stainless Steel Liner, Add	2.52	
		For 3" To 4" Wall Instead Of 1", Add	29.47	
23 51 16 00-0031	EA	4" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	115.99	30.60
		For 2" Wall Instead Of 1", Add	19.54	
		For Aluminum Liner, Add	2.18	
		For 304 Stainless Steel Liner, Add	2.98	
		For 3" To 4" Wall Instead Of 1", Add	33.12	
23 51 16 00-0032	EA	5" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	128.38	32.55
		For 2" Wall Instead Of 1", Add	22.31	
		For Aluminum Liner, Add	2.61	
		For 304 Stainless Steel Liner, Add	3.55	
		For 3" To 4" Wall Instead Of 1", Add	37.52	
23 51 16 00-0033	EA	6" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	141.16	34.66
		For 2" Wall Instead Of 1", Add	25.13	
		For Aluminum Liner, Add	3.03	
		For 304 Stainless Steel Liner, Add	4.13	
		For 3" To 4" Wall Instead Of 1", Add	42.00	
23 51 16 00-0034	EA	7" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	165.88	37.10
		For 2" Wall Instead Of 1", Add	31.32	
		For Aluminum Liner, Add	4.05	
		For 304 Stainless Steel Liner, Add	5.52	
		For 3" To 4" Wall Instead Of 1", Add	51.59	
23 51 16 00-0035	EA	8" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	192.31	40.04
		For 2" Wall Instead Of 1", Add	37.68	
		For Aluminum Liner, Add	5.07	
		For 304 Stainless Steel Liner, Add	6.92	
		For 3" To 4" Wall Instead Of 1", Add	61.52	
23 51 16 00-0036	EA	10" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	320.93	43.45
		For 2" Wall Instead Of 1", Add	74.52	
		For Aluminum Liner, Add	11.67	
		For 304 Stainless Steel Liner, Add	15.91	
		For 3" To 4" Wall Instead Of 1", Add	117.21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0037	EA		12" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	385.75	47.36
			For 2" Wall Instead Of 1", Add	92.06	
			For Aluminum Liner, Add	14.71	
			For 304 Stainless Steel Liner, Add	20.06	
			For 3" To 4" Wall Instead Of 1", Add	144.01	
23 51 16 00-0038	EA		14" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	493.80	49.64
			For 2" Wall Instead Of 1", Add	123.34	
			For Aluminum Liner, Add	20.34	
			For 304 Stainless Steel Liner, Add	27.74	
			For 3" To 4" Wall Instead Of 1", Add	191.21	
23 51 16 00-0039	EA		16" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	602.12	52.08
			For 2" Wall Instead Of 1", Add	154.65	
			For Aluminum Liner, Add	25.97	
			For 304 Stainless Steel Liner, Add	35.41	
			For 3" To 4" Wall Instead Of 1", Add	238.47	
23 51 16 00-0040	EA		18" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	771.65	54.84
			For 2" Wall Instead Of 1", Add	204.06	
			For Aluminum Liner, Add	34.90	
			For 304 Stainless Steel Liner, Add	47.59	
			For 3" To 4" Wall Instead Of 1", Add	312.95	
23 51 16 00-0041	EA		20" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,093.20	86.75
			For 2" Wall Instead Of 1", Add	284.54	
			For Aluminum Liner, Add	48.18	
			For 304 Stainless Steel Liner, Add	65.71	
			For 3" To 4" Wall Instead Of 1", Add	437.66	
23 51 16 00-0042	EA		22" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,428.73	91.95
			For 2" Wall Instead Of 1", Add	382.65	
			For Aluminum Liner, Add	65.94	
			For 304 Stainless Steel Liner, Add	89.91	
			For 3" To 4" Wall Instead Of 1", Add	585.46	
23 51 16 00-0043	EA		24" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,609.22	97.65
			For 2" Wall Instead Of 1", Add	433.89	
			For Aluminum Liner, Add	75.07	
			For 304 Stainless Steel Liner, Add	102.36	
			For 3" To 4" Wall Instead Of 1", Add	663.06	
23 51 16 00-0044 45 Degree Elbows (23 51 16 00-0001)					
23 51 16 00-0045	EA		3" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	91.63	28.97
			For 2" Wall Instead Of 1", Add	13.04	
			For Aluminum Liner, Add	1.07	
			For 304 Stainless Steel Liner, Add	1.45	
			For 3" To 4" Wall Instead Of 1", Add	23.17	
23 51 16 00-0046	EA		4" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	99.47	30.60
			For 2" Wall Instead Of 1", Add	14.51	
			For Aluminum Liner, Add	1.26	
			For 304 Stainless Steel Liner, Add	1.71	
			For 3" To 4" Wall Instead Of 1", Add	25.60	
23 51 16 00-0047	EA		5" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	108.25	32.55
			For 2" Wall Instead Of 1", Add	16.20	
			For Aluminum Liner, Add	1.48	
			For 304 Stainless Steel Liner, Add	2.01	
			For 3" To 4" Wall Instead Of 1", Add	28.37	
23 51 16 00-0048	EA		6" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	118.93	34.66
			For 2" Wall Instead Of 1", Add	18.33	
			For Aluminum Liner, Add	1.77	
			For 304 Stainless Steel Liner, Add	2.41	
			For 3" To 4" Wall Instead Of 1", Add	31.83	
23 51 16 00-0049	EA		7" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	139.07	37.10
			For 2" Wall Instead Of 1", Add	23.13	
			For Aluminum Liner, Add	2.54	
			For 304 Stainless Steel Liner, Add	3.46	
			For 3" To 4" Wall Instead Of 1", Add	39.34	
23 51 16 00-0050	EA		8" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	153.12	40.04
			For 2" Wall Instead Of 1", Add	25.92	
			For Aluminum Liner, Add	2.92	
			For 304 Stainless Steel Liner, Add	3.98	
			For 3" To 4" Wall Instead Of 1", Add	43.88	
23 51 16 00-0051	EA		10" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	241.10	43.45
			For 2" Wall Instead Of 1", Add	50.62	
			For Aluminum Liner, Add	7.29	
			For 304 Stainless Steel Liner, Add	9.94	
			For 3" To 4" Wall Instead Of 1", Add	81.36	
23 51 16 00-0052	EA		12" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	285.49	47.36
			For 2" Wall Instead Of 1", Add	61.98	
			For Aluminum Liner, Add	9.19	
			For 304 Stainless Steel Liner, Add	12.54	
			For 3" To 4" Wall Instead Of 1", Add	98.89	
23 51 16 00-0053	EA		14" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	359.20	49.64
			For 2" Wall Instead Of 1", Add	82.95	
			For Aluminum Liner, Add	12.93	
			For 304 Stainless Steel Liner, Add	17.64	
			For 3" To 4" Wall Instead Of 1", Add	130.63	
23 51 16 00-0054	EA		16" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	425.25	52.08
			For 2" Wall Instead Of 1", Add	101.55	
			For Aluminum Liner, Add	16.23	
			For 304 Stainless Steel Liner, Add	22.13	
			For 3" To 4" Wall Instead Of 1", Add	158.83	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, and Stacks**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 51 16 00-0055	EA	18" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	533.59	54.84
		For 2" Wall Instead Of 1", Add	132.67	
		For Aluminum Liner, Add	21.81	
		For 304 Stainless Steel Liner, Add	29.74	
		For 3" To 4" Wall Instead Of 1", Add	205.86	
23 51 16 00-0056	EA	20" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	663.69	86.58
		For 2" Wall Instead Of 1", Add	155.82	
		For Aluminum Liner, Add	24.60	
		For 304 Stainless Steel Liner, Add	33.55	
		For 3" To 4" Wall Instead Of 1", Add	244.56	
23 51 16 00-0057	EA	22" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	903.07	91.95
		For 2" Wall Instead Of 1", Add	224.95	
		For Aluminum Liner, Add	37.03	
		For 304 Stainless Steel Liner, Add	50.49	
		For 3" To 4" Wall Instead Of 1", Add	348.91	
23 51 16 00-0058	EA	24" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,096.99	97.65
		For 2" Wall Instead Of 1", Add	280.31	
		For Aluminum Liner, Add	46.92	
		For 304 Stainless Steel Liner, Add	63.98	
		For 3" To 4" Wall Instead Of 1", Add	432.66	
23 51 16 00-0059	EA	26" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,935.12	100.90
		For 2" Wall Instead Of 1", Add	530.11	
		For Aluminum Liner, Add	92.57	
		For 304 Stainless Steel Liner, Add	126.23	
		For 3" To 4" Wall Instead Of 1", Add	807.78	
23 51 16 00-0060	EA	28" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,989.35	104.15
		For 2" Wall Instead Of 1", Add	544.76	
		For Aluminum Liner, Add	95.10	
		For 304 Stainless Steel Liner, Add	129.68	
		For 3" To 4" Wall Instead Of 1", Add	830.15	
23 51 16 00-0061	EA	30" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	2,097.84	110.67
		For 2" Wall Instead Of 1", Add	574.05	
		For Aluminum Liner, Add	100.17	
		For 304 Stainless Steel Liner, Add	136.60	
		For 3" To 4" Wall Instead Of 1", Add	874.90	
23 51 16 00-0062	EA	32" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	2,336.52	113.92
		For 2" Wall Instead Of 1", Add	644.03	
		For Aluminum Liner, Add	112.85	
		For 304 Stainless Steel Liner, Add	153.89	
		For 3" To 4" Wall Instead Of 1", Add	980.28	
23 51 16 00-0063	EA	34" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	2,548.76	120.43
		For 2" Wall Instead Of 1", Add	704.45	
		For Aluminum Liner, Add	123.63	
		For 304 Stainless Steel Liner, Add	168.59	
		For 3" To 4" Wall Instead Of 1", Add	1,071.72	
23 51 16 00-0064	EA	36" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	2,630.79	130.19
		For 2" Wall Instead Of 1", Add	724.18	
		For Aluminum Liner, Add	126.80	
		For 304 Stainless Steel Liner, Add	172.91	
		For 3" To 4" Wall Instead Of 1", Add	1,102.53	
23 51 16 00-0065	EA	38" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	2,815.08	134.76
		For 2" Wall Instead Of 1", Add	777.19	
		For Aluminum Liner, Add	136.31	
		For 304 Stainless Steel Liner, Add	185.88	
		For 3" To 4" Wall Instead Of 1", Add	1,182.62	
23 51 16 00-0066	EA	40" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	2,992.88	136.71
		For 2" Wall Instead Of 1", Add	829.55	
		For Aluminum Liner, Add	145.82	
		For 304 Stainless Steel Liner, Add	198.85	
		For 3" To 4" Wall Instead Of 1", Add	1,261.41	
23 51 16 00-0067	EA	42" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	3,124.41	143.22
		For 2" Wall Instead Of 1", Add	865.76	
		For Aluminum Liner, Add	152.16	
		For 304 Stainless Steel Liner, Add	207.50	
		For 3" To 4" Wall Instead Of 1", Add	1,316.53	
23 51 16 00-0068	EA	44" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	3,313.57	149.73
		For 2" Wall Instead Of 1", Add	919.26	
		For Aluminum Liner, Add	161.67	
		For 304 Stainless Steel Liner, Add	220.46	
		For 3" To 4" Wall Instead Of 1", Add	1,397.59	
23 51 16 00-0069	EA	46" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	3,560.38	156.24
		For 2" Wall Instead Of 1", Add	990.05	
		For Aluminum Liner, Add	174.35	
		For 304 Stainless Steel Liner, Add	237.75	
		For 3" To 4" Wall Instead Of 1", Add	1,504.59	
23 51 16 00-0070	EA	48" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	3,691.91	162.74
		For 2" Wall Instead Of 1", Add	1,026.26	
		For Aluminum Liner, Add	180.69	
		For 304 Stainless Steel Liner, Add	246.40	
		For 3" To 4" Wall Instead Of 1", Add	1,559.71	
23 51 16 00-0071	Tees (23 51 16 00-0001)			
23 51 16 00-0072	EA	3" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	143.84	38.57
		For 2" Wall Instead Of 1", Add	23.84	
		For Aluminum Liner, Add	2.60	
		For 304 Stainless Steel Liner, Add	3.54	
		For 3" To 4" Wall Instead Of 1", Add	40.58	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0073	EA		4" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	149.66	40.04
			For 2" Wall Instead Of 1", Add	24.88	
			For Aluminum Liner, Add	2.73	
			For 304 Stainless Steel Liner, Add	3.72	
			For 3" To 4" Wall Instead Of 1", Add	42.32	
23 51 16 00-0074	EA		5" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	156.03	41.67
			For 2" Wall Instead Of 1", Add	25.98	
			For Aluminum Liner, Add	2.85	
			For 304 Stainless Steel Liner, Add	3.89	
			For 3" To 4" Wall Instead Of 1", Add	44.17	
23 51 16 00-0075	EA		6" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	166.20	43.45
			For 2" Wall Instead Of 1", Add	28.15	
			For Aluminum Liner, Add	3.17	
			For 304 Stainless Steel Liner, Add	4.32	
			For 3" To 4" Wall Instead Of 1", Add	47.65	
23 51 16 00-0076	EA		7" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	192.81	45.24
			For 2" Wall Instead Of 1", Add	35.19	
			For Aluminum Liner, Add	4.37	
			For 304 Stainless Steel Liner, Add	5.97	
			For 3" To 4" Wall Instead Of 1", Add	58.45	
23 51 16 00-0077	EA		8" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	205.92	47.36
			For 2" Wall Instead Of 1", Add	38.11	
			For Aluminum Liner, Add	4.82	
			For 304 Stainless Steel Liner, Add	6.57	
			For 3" To 4" Wall Instead Of 1", Add	63.09	
23 51 16 00-0078	EA		10" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	361.47	49.64
			For 2" Wall Instead Of 1", Add	83.64	
			For Aluminum Liner, Add	13.06	
			For 304 Stainless Steel Liner, Add	17.81	
			For 3" To 4" Wall Instead Of 1", Add	131.66	
23 51 16 00-0079	EA		12" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	416.03	52.08
			For 2" Wall Instead Of 1", Add	98.78	
			For Aluminum Liner, Add	15.72	
			For 304 Stainless Steel Liner, Add	21.44	
			For 3" To 4" Wall Instead Of 1", Add	154.68	
23 51 16 00-0080	EA		14" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	610.34	57.94
			For 2" Wall Instead Of 1", Add	154.18	
			For Aluminum Liner, Add	25.61	
			For 304 Stainless Steel Liner, Add	34.93	
			For 3" To 4" Wall Instead Of 1", Add	238.50	
23 51 16 00-0081	EA		16" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	822.05	65.10
			For 2" Wall Instead Of 1", Add	214.08	
			For Aluminum Liner, Add	36.27	
			For 304 Stainless Steel Liner, Add	49.45	
			For 3" To 4" Wall Instead Of 1", Add	329.25	
23 51 16 00-0082	EA		18" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	1,015.94	74.38
			For 2" Wall Instead Of 1", Add	267.59	
			For Aluminum Liner, Add	45.65	
			For 304 Stainless Steel Liner, Add	62.25	
			For 3" To 4" Wall Instead Of 1", Add	410.68	
23 51 16 00-0083	EA		20" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	1,347.77	91.95
			For 2" Wall Instead Of 1", Add	358.41	
			For Aluminum Liner, Add	61.50	
			For 304 Stainless Steel Liner, Add	83.86	
			For 3" To 4" Wall Instead Of 1", Add	549.10	
23 51 16 00-0084	EA		22" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	1,695.10	120.10
			For 2" Wall Instead Of 1", Add	448.48	
			For Aluminum Liner, Add	76.72	
			For 304 Stainless Steel Liner, Add	104.61	
			For 3" To 4" Wall Instead Of 1", Add	687.73	
23 51 16 00-0085	EA		24" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	1,942.74	126.95
			For 2" Wall Instead Of 1", Add	519.35	
			For Aluminum Liner, Add	89.40	
			For 304 Stainless Steel Liner, Add	121.90	
			For 3" To 4" Wall Instead Of 1", Add	794.89	
23 51 16 00-0086	EA		26" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	2,647.41	136.71
			For 2" Wall Instead Of 1", Add	725.84	
			For Aluminum Liner, Add	126.80	
			For 304 Stainless Steel Liner, Add	172.91	
			For 3" To 4" Wall Instead Of 1", Add	1,105.86	
23 51 16 00-0087	EA		28" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	2,948.71	142.08
			For 2" Wall Instead Of 1", Add	813.61	
			For Aluminum Liner, Add	142.65	
			For 304 Stainless Steel Liner, Add	194.53	
			For 3" To 4" Wall Instead Of 1", Add	1,238.16	
23 51 16 00-0088	EA		30" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	3,198.53	149.73
			For 2" Wall Instead Of 1", Add	884.70	
			For Aluminum Liner, Add	155.33	
			For 304 Stainless Steel Liner, Add	211.82	
			For 3" To 4" Wall Instead Of 1", Add	1,345.76	
23 51 16 00-0089	EA		32" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	3,675.80	156.24
			For 2" Wall Instead Of 1", Add	1,024.65	
			For Aluminum Liner, Add	180.69	
			For 304 Stainless Steel Liner, Add	246.40	
			For 3" To 4" Wall Instead Of 1", Add	1,556.49	
23 51 16 00-0090	EA		34" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	3,749.84	162.74
			For 2" Wall Instead Of 1", Add	1,043.58	
			For Aluminum Liner, Add	183.86	
			For 304 Stainless Steel Liner, Add	250.72	
			For 3" To 4" Wall Instead Of 1", Add	1,585.71	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, and Stacks**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 51 16 00-0091	EA	36" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	4,353.56	173.65
		For 2" Wall Instead Of 1", Add	1,219.22	
		For Aluminum Liner, Add	215.56	
		For 304 Stainless Steel Liner, Add	293.95	
		For 3" To 4" Wall Instead Of 1", Add	1,850.55	
23 51 16 00-0092	EA	38" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	4,465.41	195.29
		For 2" Wall Instead Of 1", Add	1,241.94	
		For Aluminum Liner, Add	218.73	
		For 304 Stainless Steel Liner, Add	298.27	
		For 3" To 4" Wall Instead Of 1", Add	1,887.33	
23 51 16 00-0093	EA	40" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	4,880.92	223.29
		For 2" Wall Instead Of 1", Add	1,352.65	
		For Aluminum Liner, Add	237.75	
		For 304 Stainless Steel Liner, Add	324.21	
		For 3" To 4" Wall Instead Of 1", Add	2,056.88	
23 51 16 00-0094	EA	42" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	5,377.26	260.40
		For 2" Wall Instead Of 1", Add	1,482.98	
		For Aluminum Liner, Add	259.94	
		For 304 Stainless Steel Liner, Add	354.47	
		For 3" To 4" Wall Instead Of 1", Add	2,257.02	
23 51 16 00-0095	EA	44" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	5,861.50	292.95
		For 2" Wall Instead Of 1", Add	1,612.10	
		For Aluminum Liner, Add	282.14	
		For 304 Stainless Steel Liner, Add	384.73	
		For 3" To 4" Wall Instead Of 1", Add	2,454.73	
23 51 16 00-0096	EA	46" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	6,404.72	302.71
		For 2" Wall Instead Of 1", Add	1,770.16	
		For Aluminum Liner, Add	310.67	
		For 304 Stainless Steel Liner, Add	423.63	
		For 3" To 4" Wall Instead Of 1", Add	2,693.06	
23 51 16 00-0097	EA	48" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	6,775.23	312.47
		For 2" Wall Instead Of 1", Add	1,876.38	
		For Aluminum Liner, Add	329.69	
		For 304 Stainless Steel Liner, Add	449.57	
		For 3" To 4" Wall Instead Of 1", Add	2,853.62	

23 51 16 00-0098 Vent Top Caps (23 51 16 00-0001)

23 51 16 00-0099	EA	3" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	74.48	22.62
		For 2" Wall Instead Of 1", Add	11.02	
		For Aluminum Liner, Add	0.98	
		For 304 Stainless Steel Liner, Add	1.34	
		For 3" To 4" Wall Instead Of 1", Add	19.36	
23 51 16 00-0100	EA	4" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	78.02	23.76
		For 2" Wall Instead Of 1", Add	11.56	
		For Aluminum Liner, Add	1.03	
		For 304 Stainless Steel Liner, Add	1.41	
		For 3" To 4" Wall Instead Of 1", Add	20.30	
23 51 16 00-0101	EA	6" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	97.72	26.04
		For 2" Wall Instead Of 1", Add	16.30	
		For Aluminum Liner, Add	1.79	
		For 304 Stainless Steel Liner, Add	2.45	
		For 3" To 4" Wall Instead Of 1", Add	27.70	
23 51 16 00-0102	EA	8" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	104.88	28.97
		For 2" Wall Instead Of 1", Add	17.01	
		For Aluminum Liner, Add	1.79	
		For 304 Stainless Steel Liner, Add	2.45	
		For 3" To 4" Wall Instead Of 1", Add	29.13	
23 51 16 00-0103	EA	10" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	124.57	30.60
		For 2" Wall Instead Of 1", Add	22.07	
		For Aluminum Liner, Add	2.64	
		For 304 Stainless Steel Liner, Add	3.61	
		For 3" To 4" Wall Instead Of 1", Add	36.93	
23 51 16 00-0104	EA	12" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	144.77	32.55
		For 2" Wall Instead Of 1", Add	27.16	
		For Aluminum Liner, Add	3.49	
		For 304 Stainless Steel Liner, Add	4.76	
		For 3" To 4" Wall Instead Of 1", Add	44.80	
23 51 16 00-0105	EA	16" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	315.42	37.10
		For 2" Wall Instead Of 1", Add	76.04	
		For Aluminum Liner, Add	12.24	
		For 304 Stainless Steel Liner, Add	16.69	
		For 3" To 4" Wall Instead Of 1", Add	118.70	
23 51 16 00-0106	EA	18" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	572.70	46.55
		For 2" Wall Instead Of 1", Add	148.57	
		For Aluminum Liner, Add	25.11	
		For 304 Stainless Steel Liner, Add	34.24	
		For 3" To 4" Wall Instead Of 1", Add	228.66	
23 51 16 00-0107	EA	20" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	1,038.62	55.83
		For 2" Wall Instead Of 1", Add	283.69	
		For Aluminum Liner, Add	49.45	
		For 304 Stainless Steel Liner, Add	67.44	
		For 3" To 4" Wall Instead Of 1", Add	432.51	
23 51 16 00-0108	EA	24" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	1,716.95	78.12
		For 2" Wall Instead Of 1", Add	476.02	
		For Aluminum Liner, Add	83.69	
		For 304 Stainless Steel Liner, Add	114.12	
		For 3" To 4" Wall Instead Of 1", Add	723.80	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0109	EA		26" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe For 2" Wall Instead Of 1", Add For Aluminum Liner, Add For 304 Stainless Steel Liner, Add For 3" To 4" Wall Instead Of 1", Add	2,510.98 712.20 126.80 172.91 1,078.57	82.19
23 51 16 00-0110	EA		28" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe For 2" Wall Instead Of 1", Add For Aluminum Liner, Add For 304 Stainless Steel Liner, Add For 3" To 4" Wall Instead Of 1", Add	2,810.67 799.80 142.65 194.53 1,210.55	86.75
23 51 16 00-0111	EA		30" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe For 2" Wall Instead Of 1", Add For Aluminum Liner, Add For 304 Stainless Steel Liner, Add For 3" To 4" Wall Instead Of 1", Add	3,169.38 904.84 161.67 220.46 1,368.75	91.95
23 51 16 00-0112	EA		32" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe For 2" Wall Instead Of 1", Add For Aluminum Liner, Add For 304 Stainless Steel Liner, Add For 3" To 4" Wall Instead Of 1", Add	3,356.64 958.15 171.18 233.43 1,449.43	97.65
23 51 16 00-0113	EA		34" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe For 2" Wall Instead Of 1", Add For Aluminum Liner, Add For 304 Stainless Steel Liner, Add For 3" To 4" Wall Instead Of 1", Add	3,545.81 1,011.65 180.69 246.40 1,530.49	104.15
23 51 16 00-0114	EA		36" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe For 2" Wall Instead Of 1", Add For Aluminum Liner, Add For 304 Stainless Steel Liner, Add For 3" To 4" Wall Instead Of 1", Add	3,794.75 1,082.65 193.37 263.69 1,637.92	111.64
23 51 16 00-0115 Wall Thimbles (23 51 16 00-0001)					
23 51 16 00-0116	EA		3" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe For 2" Wall Instead Of 1", Add For Aluminum Liner, Add For 304 Stainless Steel Liner, Add For 3" To 4" Wall Instead Of 1", Add	32.47 3.66 0.11 0.15 7.01	12.21
23 51 16 00-0117	EA		4" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe For 2" Wall Instead Of 1", Add For Aluminum Liner, Add For 304 Stainless Steel Liner, Add For 3" To 4" Wall Instead Of 1", Add	41.32 4.55 0.12 0.16 8.79	15.63
23 51 16 00-0118	EA		5" Or 6" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe For 2" Wall Instead Of 1", Add For Aluminum Liner, Add For 304 Stainless Steel Liner, Add For 3" To 4" Wall Instead Of 1", Add	55.08 6.02 0.14 0.19 11.66	20.99
23 51 16 00-0119	EA		7" Or 8" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe For 2" Wall Instead Of 1", Add For Aluminum Liner, Add For 304 Stainless Steel Liner, Add For 3" To 4" Wall Instead Of 1", Add	68.77 7.61 0.20 0.28 14.67	26.04
23 51 16 00-0120	EA		10" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe For 2" Wall Instead Of 1", Add For Aluminum Liner, Add For 304 Stainless Steel Liner, Add For 3" To 4" Wall Instead Of 1", Add	97.32 11.62 0.52 0.71 21.82	35.15
23 51 16 00-0121	EA		12" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe For 2" Wall Instead Of 1", Add For Aluminum Liner, Add For 304 Stainless Steel Liner, Add For 3" To 4" Wall Instead Of 1", Add	122.41 14.92 0.74 1.00 27.82	43.62
23 51 16 00-0122	EA		14" Or 16" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe For 2" Wall Instead Of 1", Add For Aluminum Liner, Add For 304 Stainless Steel Liner, Add For 3" To 4" Wall Instead Of 1", Add	152.86 19.82 1.25 1.70 36.24	52.08
23 51 16 00-0123	EA		18" Or 20" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe For 2" Wall Instead Of 1", Add For Aluminum Liner, Add For 304 Stainless Steel Liner, Add For 3" To 4" Wall Instead Of 1", Add	195.17 27.63 2.23 3.04 49.18	61.85
23 51 16 00-0124	EA		22" Or 24" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe For 2" Wall Instead Of 1", Add For Aluminum Liner, Add For 304 Stainless Steel Liner, Add For 3" To 4" Wall Instead Of 1", Add	252.44 41.56 4.49 6.12 70.88	68.36
23 51 16 00-0125 Adjustable Roof Flashing (23 51 16 00-0001)					
23 51 16 00-0126	EA		3" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe For 2" Wall Instead Of 1", Add For Aluminum Liner, Add For 304 Stainless Steel Liner, Add For 3" To 4" Wall Instead Of 1", Add	85.53 11.21 0.73 0.99 20.42	28.97

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, and Stacks**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

23 51 16 00-0127	EA	4" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	93.70	30.60
		For 2" Wall Instead Of 1", Add	12.78	
		For Aluminum Liner, Add	0.94	
		For 304 Stainless Steel Liner, Add	1.28	
		For 3" To 4" Wall Instead Of 1", Add	23.01	
23 51 16 00-0128	EA	6" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	115.33	34.66
		For 2" Wall Instead Of 1", Add	17.25	
		For Aluminum Liner, Add	1.57	
		For 304 Stainless Steel Liner, Add	2.14	
		For 3" To 4" Wall Instead Of 1", Add	30.21	
23 51 16 00-0129	EA	8" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	139.17	40.04
		For 2" Wall Instead Of 1", Add	21.73	
		For Aluminum Liner, Add	2.15	
		For 304 Stainless Steel Liner, Add	2.93	
		For 3" To 4" Wall Instead Of 1", Add	37.60	
23 51 16 00-0130	EA	10" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	215.77	43.45
		For 2" Wall Instead Of 1", Add	43.02	
		For Aluminum Liner, Add	5.90	
		For 304 Stainless Steel Liner, Add	8.04	
		For 3" To 4" Wall Instead Of 1", Add	69.96	
23 51 16 00-0131	EA	12" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	254.33	47.36
		For 2" Wall Instead Of 1", Add	52.64	
		For Aluminum Liner, Add	7.48	
		For 304 Stainless Steel Liner, Add	10.20	
		For 3" To 4" Wall Instead Of 1", Add	84.87	
23 51 16 00-0132	EA	14" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	297.34	52.08
		For 2" Wall Instead Of 1", Add	63.16	
		For Aluminum Liner, Add	9.19	
		For 304 Stainless Steel Liner, Add	12.54	
		For 3" To 4" Wall Instead Of 1", Add	101.26	
23 51 16 00-0133	EA	16" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	352.34	57.94
		For 2" Wall Instead Of 1", Add	76.73	
		For Aluminum Liner, Add	11.41	
		For 304 Stainless Steel Liner, Add	15.56	
		For 3" To 4" Wall Instead Of 1", Add	122.34	
23 51 16 00-0134	EA	18" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	520.16	65.10
		For 2" Wall Instead Of 1", Add	123.49	
		For Aluminum Liner, Add	19.65	
		For 304 Stainless Steel Liner, Add	26.80	
		For 3" To 4" Wall Instead Of 1", Add	193.37	
23 51 16 00-0135	EA	20" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	581.26	86.75
		For 2" Wall Instead Of 1", Add	130.98	
		For Aluminum Liner, Add	20.03	
		For 304 Stainless Steel Liner, Add	27.32	
		For 3" To 4" Wall Instead Of 1", Add	207.32	
23 51 16 00-0136	EA	22" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	740.16	111.64
		For 2" Wall Instead Of 1", Add	166.24	
		For Aluminum Liner, Add	25.36	
		For 304 Stainless Steel Liner, Add	34.58	
		For 3" To 4" Wall Instead Of 1", Add	263.31	
23 51 16 00-0137	EA	24" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	878.82	130.19
		For 2" Wall Instead Of 1", Add	198.55	
		For Aluminum Liner, Add	30.43	
		For 304 Stainless Steel Liner, Add	41.50	
		For 3" To 4" Wall Instead Of 1", Add	314.09	

23 51 16 00-0138 Galvanized Storm Collars (23 51 16 00-0001)

23 51 16 00-0139	EA	3" Round Galvanized Storm Collar, Double Wall	34.25	12.21
		For 2" Wall Instead Of 1", Add	4.19	
		For Aluminum Liner, Add	0.21	
		For 304 Stainless Steel Liner, Add	0.29	
		For 3" To 4" Wall Instead Of 1", Add	7.81	
23 51 16 00-0140	EA	4" Round Galvanized Storm Collar, Double Wall	43.45	15.63
		For 2" Wall Instead Of 1", Add	5.22	
		For Aluminum Liner, Add	0.24	
		For 304 Stainless Steel Liner, Add	0.33	
		For 3" To 4" Wall Instead Of 1", Add	9.79	
23 51 16 00-0141	EA	5" Round Galvanized Storm Collar, Double Wall	51.04	18.23
		For 2" Wall Instead Of 1", Add	6.20	
		For Aluminum Liner, Add	0.30	
		For 304 Stainless Steel Liner, Add	0.41	
		For 3" To 4" Wall Instead Of 1", Add	11.57	
23 51 16 00-0142	EA	6" Round Galvanized Storm Collar, Double Wall	58.65	20.83
		For 2" Wall Instead Of 1", Add	7.18	
		For Aluminum Liner, Add	0.36	
		For 304 Stainless Steel Liner, Add	0.49	
		For 3" To 4" Wall Instead Of 1", Add	13.37	
23 51 16 00-0143	EA	7" Or 8" Round Galvanized Storm Collar, Double Wall	73.83	26.04
		For 2" Wall Instead Of 1", Add	9.13	
		For Aluminum Liner, Add	0.48	
		For 304 Stainless Steel Liner, Add	0.65	
		For 3" To 4" Wall Instead Of 1", Add	16.95	
23 51 16 00-0144	EA	10" Round Galvanized Storm Collar, Double Wall	101.57	35.15
		For 2" Wall Instead Of 1", Add	12.89	
		For Aluminum Liner, Add	0.75	
		For 304 Stainless Steel Liner, Add	1.03	
		For 3" To 4" Wall Instead Of 1", Add	23.73	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0145	EA	12" Round Galvanized Storm Collar, Double Wall.....	125.49	43.62
		For 2" Wall Instead Of 1", Add	15.84	
		For Aluminum Liner, Add	0.90	
		For 304 Stainless Steel Liner, Add	1.23	
		For 3" To 4" Wall Instead Of 1", Add	29.21	
23 51 16 00-0146	EA	14" Or 16" Round Galvanized Storm Collar, Double Wall.....	158.09	52.08
		For 2" Wall Instead Of 1", Add	21.39	
		For Aluminum Liner, Add	1.53	
		For 304 Stainless Steel Liner, Add	2.09	
		For 3" To 4" Wall Instead Of 1", Add	38.59	
23 51 16 00-0147	EA	18" Or 20" Round Galvanized Storm Collar, Double Wall.....	205.10	61.85
		For 2" Wall Instead Of 1", Add	30.61	
		For Aluminum Liner, Add	2.78	
		For 304 Stainless Steel Liner, Add	3.79	
		For 3" To 4" Wall Instead Of 1", Add	53.65	
23 51 16 00-0148	EA	22" Or 24" Round Galvanized Storm Collar, Double Wall.....	277.29	68.36
		For 2" Wall Instead Of 1", Add	49.01	
		For Aluminum Liner, Add	5.85	
		For 304 Stainless Steel Liner, Add	7.98	
		For 3" To 4" Wall Instead Of 1", Add	82.06	
23 51 16 00-0149		Oval Galvanized Double Wall Flue/Vent Pipe And Fittings (23 51 16)		
23 51 16 00-0150		Oval Galvanized Double Wall Flue/Vent Pipe (23 51 16 00-0149)		
23 51 16 00-0151	LF	4" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	54.78	15.30
		For 2" Wall Instead Of 1", Add	8.78	
		For 3" To 4" Wall Instead Of 1", Add	15.09	
23 51 16 00-0152	LF	5" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	60.00	16.27
		For 2" Wall Instead Of 1", Add	9.92	
		For 3" To 4" Wall Instead Of 1", Add	16.91	
23 51 16 00-0153	LF	6" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	66.19	17.42
		For 2" Wall Instead Of 1", Add	11.17	
		For 3" To 4" Wall Instead Of 1", Add	18.93	
23 51 16 00-0154		45 Degree Elbows (23 51 16 00-0149)		
23 51 16 00-0155	EA	4" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	118.99	31.74
		For 2" Wall Instead Of 1", Add	19.82	
		For 3" To 4" Wall Instead Of 1", Add	33.70	
23 51 16 00-0156	EA	5" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	138.88	37.10
		For 2" Wall Instead Of 1", Add	23.11	
		For 3" To 4" Wall Instead Of 1", Add	39.30	
23 51 16 00-0157	EA	6" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	164.12	41.99
		For 2" Wall Instead Of 1", Add	28.24	
		For 3" To 4" Wall Instead Of 1", Add	47.60	
23 51 16 00-0158	EA	4" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	120.97	31.74
		For 2" Wall Instead Of 1", Add	20.41	
		For 3" To 4" Wall Instead Of 1", Add	34.59	
23 51 16 00-0159	EA	5" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	143.69	37.10
		For 2" Wall Instead Of 1", Add	24.55	
		For 3" To 4" Wall Instead Of 1", Add	41.47	
23 51 16 00-0160	EA	6" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	167.23	41.99
		For 2" Wall Instead Of 1", Add	29.17	
		For 3" To 4" Wall Instead Of 1", Add	49.00	
23 51 16 00-0161		Tees (23 51 16 00-0149)		
23 51 16 00-0162	EA	4" Standard Oval Flue/Vent Pipe Tee, Galvanized Double Wall Breech/Smoke Pipe	196.09	48.18
		For 2" Wall Instead Of 1", Add	34.72	
		For 3" To 4" Wall Instead Of 1", Add	58.10	
23 51 16 00-0163	EA	4" Short Snout Oval Flue/Vent Tee, Galvanized Double Wall Breech/Smoke Pipe	199.20	48.18
		For 2" Wall Instead Of 1", Add	35.65	
		For 3" To 4" Wall Instead Of 1", Add	59.50	
23 51 16 00-0164	EA	5" Standard Oval Flue/Vent Pipe Tee, Galvanized Double Wall Breech/Smoke Pipe	228.86	55.33
		For 2" Wall Instead Of 1", Add	40.99	
		For 3" To 4" Wall Instead Of 1", Add	68.40	
23 51 16 00-0165	EA	6" Oval Flue/Vent Tee With Round Coupling, Galvanized Double Wall Breech/Smoke Pipe	261.08	62.01
		For 2" Wall Instead Of 1", Add	47.32	
		For 3" To 4" Wall Instead Of 1", Add	78.74	
23 51 16 00-0166		Tops/Caps And Adjustable Flashing (23 51 16 00-0149)		
23 51 16 00-0167	EA	4" Oval Flue/Vent Pipe Top/Cap, Galvanized Double Wall Breech/Smoke Pipe	73.44	15.63
		For 2" Wall Instead Of 1", Add	14.19	
		For 3" To 4" Wall Instead Of 1", Add	23.25	
23 51 16 00-0168	EA	6" Oval Flue/Vent Pipe Top/Cap, Galvanized Double Wall Breech/Smoke Pipe	112.61	20.99
		For 2" Wall Instead Of 1", Add	23.28	
		For 3" To 4" Wall Instead Of 1", Add	37.55	
23 51 16 00-0169	EA	4" Oval Flue/Vent Adjustable Flashing, Galvanized Double Wall Breech/Smoke Pipe	61.27	15.63
		For 2" Wall Instead Of 1", Add	10.54	
		For 3" To 4" Wall Instead Of 1", Add	17.77	
23 51 16 00-0170	EA	6" Oval Flue/Vent Adjustable Flashing, Galvanized Double Wall Breech/Smoke Pipe	101.16	20.99
		For 2" Wall Instead Of 1", Add	19.85	
		For 3" To 4" Wall Instead Of 1", Add	32.40	
23 51 16 00-0171		Storm Collars (23 51 16 00-0149)		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, and Stacks**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 51 16 00-0172	EA	4" Oval Galvanized Storm Collar, Double Wall	43.45	15.63
		For 2" Wall Instead Of 1", Add	5.22	
		For 3" To 4" Wall Instead Of 1", Add	9.79	
23 51 16 00-0173	EA	5" Oval Galvanized Storm Collar, Double Wall	51.04	18.23
		For 2" Wall Instead Of 1", Add	6.20	
		For 3" To 4" Wall Instead Of 1", Add	11.57	
23 51 16 00-0174	EA	6" Oval Galvanized Storm Collar, Double Wall	58.65	20.83
		For 2" Wall Instead Of 1", Add	7.18	
		For 3" To 4" Wall Instead Of 1", Add	13.37	

23 51 16 00-0175 Round Double Wall Flue/Vent Pipe And Fittings (23 51 16)

Note: 304 Stainless steel inner wall and aluminum steel outer jacket, with 1" insulation.

23 51 16 00-0176 Round Double Wall Flue/Vent Pipe (23 51 16 00-0175)

Note: 304 Stainless steel inner wall and aluminum steel outer jacket, with 1" insulation.

23 51 16 00-0177	LF	6" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	131.57	17.42
		For 3" Insulated Wall Instead Of 1" Thickness, Add	17.62	
		For 316 Stainless Steel, Add	14.10	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	8.81	
23 51 16 00-0178	LF	8" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	157.68	20.02
		For 3" Insulated Wall Instead Of 1" Thickness, Add	21.51	
		For 316 Stainless Steel, Add	17.21	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	10.75	
23 51 16 00-0179	LF	10" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	174.66	21.65
		For 3" Insulated Wall Instead Of 1" Thickness, Add	24.10	
		For 316 Stainless Steel, Add	19.28	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	12.05	
23 51 16 00-0180	LF	12" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	196.51	23.60
		For 3" Insulated Wall Instead Of 1" Thickness, Add	27.47	
		For 316 Stainless Steel, Add	21.97	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	13.73	
23 51 16 00-0181	LF	14" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	220.09	24.74
		For 3" Insulated Wall Instead Of 1" Thickness, Add	31.61	
		For 316 Stainless Steel, Add	25.29	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	15.81	
23 51 16 00-0182	LF	16" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	232.35	26.04
		For 3" Insulated Wall Instead Of 1" Thickness, Add	33.43	
		For 316 Stainless Steel, Add	26.74	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	16.71	
23 51 16 00-0183	LF	18" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	256.48	27.51
		For 3" Insulated Wall Instead Of 1" Thickness, Add	37.57	
		For 316 Stainless Steel, Add	30.06	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	18.79	
23 51 16 00-0184	LF	20" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	323.63	43.45
		For 3" Insulated Wall Instead Of 1" Thickness, Add	43.01	
		For 316 Stainless Steel, Add	34.41	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	21.51	
23 51 16 00-0185	LF	24" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	399.35	48.82
		For 3" Insulated Wall Instead Of 1" Thickness, Add	55.45	
		For 316 Stainless Steel, Add	44.36	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	27.73	
23 51 16 00-0186	LF	28" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	448.86	52.08
		For 3" Insulated Wall Instead Of 1" Thickness, Add	63.74	
		For 316 Stainless Steel, Add	51.00	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	31.87	
23 51 16 00-0187	LF	32" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	502.11	57.78
		For 3" Insulated Wall Instead Of 1" Thickness, Add	71.52	
		For 316 Stainless Steel, Add	57.21	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	35.76	
23 51 16 00-0188	LF	36" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	557.68	62.50
		For 3" Insulated Wall Instead Of 1" Thickness, Add	80.33	
		For 316 Stainless Steel, Add	64.26	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	40.16	
23 51 16 00-0189	LF	42" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	636.59	71.12
		For 3" Insulated Wall Instead Of 1" Thickness, Add	91.73	
		For 316 Stainless Steel, Add	73.38	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	45.87	
23 51 16 00-0190	LF	48" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	744.87	82.35
		For 3" Insulated Wall Instead Of 1" Thickness, Add	107.80	
		For 316 Stainless Steel, Add	86.24	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	53.90	

23 51 16 00-0191 90 Degree Elbows (23 51 16 00-0175)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0192	EA		6" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket For 316 Stainless Steel, Add For 3" Insulated Wall Instead Of 1" Thickness, Add For 2" Insulated Wall Instead Of 1" Thickness, Add	589.98 100.02 100.02 50.01	35.97
23 51 16 00-0193	EA		8" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket For 316 Stainless Steel, Add For 3" Insulated Wall Instead Of 1" Thickness, Add For 2" Insulated Wall Instead Of 1" Thickness, Add	652.01 110.39 110.39 55.19	40.04
23 51 16 00-0194	EA		10" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket For 316 Stainless Steel, Add For 3" Insulated Wall Instead Of 1" Thickness, Add For 2" Insulated Wall Instead Of 1" Thickness, Add	740.87 126.45 126.45 63.23	43.45
23 51 16 00-0195	EA		12" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket For 316 Stainless Steel, Add For 3" Insulated Wall Instead Of 1" Thickness, Add For 2" Insulated Wall Instead Of 1" Thickness, Add	836.11 143.56 143.56 71.78	47.36
23 51 16 00-0196	EA		14" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket For 316 Stainless Steel, Add For 3" Insulated Wall Instead Of 1" Thickness, Add For 2" Insulated Wall Instead Of 1" Thickness, Add	966.19 168.43 168.43 84.22	49.64
23 51 16 00-0197	EA		16" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket For 316 Stainless Steel, Add For 3" Insulated Wall Instead Of 1" Thickness, Add For 2" Insulated Wall Instead Of 1" Thickness, Add	1,063.02 186.57 186.57 93.29	52.08
23 51 16 00-0198	EA		18" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket For 316 Stainless Steel, Add For 3" Insulated Wall Instead Of 1" Thickness, Add For 2" Insulated Wall Instead Of 1" Thickness, Add	1,225.35 217.67 217.67 108.83	54.84
23 51 16 00-0199	EA		20" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket For 316 Stainless Steel, Add For 3" Insulated Wall Instead Of 1" Thickness, Add For 2" Insulated Wall Instead Of 1" Thickness, Add	1,434.90 243.58 243.58 121.79	86.75
23 51 16 00-0200	EA		24" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket For 316 Stainless Steel, Add For 3" Insulated Wall Instead Of 1" Thickness, Add For 2" Insulated Wall Instead Of 1" Thickness, Add	1,760.00 303.18 303.18 151.59	97.65
23 51 16 00-0201	EA		28" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket For 316 Stainless Steel, Add For 3" Insulated Wall Instead Of 1" Thickness, Add For 2" Insulated Wall Instead Of 1" Thickness, Add	2,126.10 373.14 373.14 186.57	104.15
23 51 16 00-0202	EA		32" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket For 316 Stainless Steel, Add For 3" Insulated Wall Instead Of 1" Thickness, Add For 2" Insulated Wall Instead Of 1" Thickness, Add	2,792.40 502.70 502.70 251.35	111.48
23 51 16 00-0203	EA		36" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket For 316 Stainless Steel, Add For 3" Insulated Wall Instead Of 1" Thickness, Add For 2" Insulated Wall Instead Of 1" Thickness, Add	3,175.88 570.08 570.08 285.04	130.19
23 51 16 00-0204	EA		42" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket For 316 Stainless Steel, Add For 3" Insulated Wall Instead Of 1" Thickness, Add For 2" Insulated Wall Instead Of 1" Thickness, Add	4,630.56 855.11 855.11 427.56	142.08
23 51 16 00-0205	EA		48" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket For 316 Stainless Steel, Add For 3" Insulated Wall Instead Of 1" Thickness, Add For 2" Insulated Wall Instead Of 1" Thickness, Add	5,767.42 1,075.37 1,075.37 537.68	156.24
23 51 16 00-0206			45 Degree Elbows (23 51 16 00-0175)		
23 51 16 00-0207	EA		6" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket For 316 Stainless Steel, Add For 3" Insulated Wall Instead Of 1" Thickness, Add For 2" Insulated Wall Instead Of 1" Thickness, Add	400.29 62.71 62.71 31.35	34.66
23 51 16 00-0208	EA		8" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket For 316 Stainless Steel, Add For 3" Insulated Wall Instead Of 1" Thickness, Add For 2" Insulated Wall Instead Of 1" Thickness, Add	457.66 71.52 71.52 35.76	40.04
23 51 16 00-0209	EA		10" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket For 316 Stainless Steel, Add For 3" Insulated Wall Instead Of 1" Thickness, Add For 2" Insulated Wall Instead Of 1" Thickness, Add	507.62 79.81 79.81 39.91	43.45

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, and Stacks**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 51 16 00-0210	EA	12" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	576.99	47.36
		For 316 Stainless Steel, Add	91.73	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	91.73	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	45.87	
23 51 16 00-0211	EA	14" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	647.45	49.64
		For 316 Stainless Steel, Add	104.69	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	104.69	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	52.34	
23 51 16 00-0212	EA	16" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	723.57	52.08
		For 316 Stainless Steel, Add	118.68	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	118.68	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	59.34	
23 51 16 00-0213	EA	18" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	808.15	54.84
		For 316 Stainless Steel, Add	134.23	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	134.23	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	67.11	
23 51 16 00-0214	EA	20" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	984.03	86.75
		For 316 Stainless Steel, Add	153.40	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	153.40	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	76.70	
23 51 16 00-0215	EA	24" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,228.81	97.65
		For 316 Stainless Steel, Add	196.94	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	196.94	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	98.47	
23 51 16 00-0216	EA	28" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,374.64	104.15
		For 316 Stainless Steel, Add	222.85	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	222.85	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	111.42	
23 51 16 00-0217	EA	32" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,768.86	111.48
		For 316 Stainless Steel, Add	297.99	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	297.99	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	149.00	
23 51 16 00-0218	EA	36" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,333.72	130.19
		For 316 Stainless Steel, Add	401.64	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	401.64	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	200.82	
23 51 16 00-0219	EA	42" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,075.81	142.08
		For 316 Stainless Steel, Add	544.16	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	544.16	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	272.08	
23 51 16 00-0220	EA	48" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	4,083.15	156.24
		For 316 Stainless Steel, Add	738.51	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	738.51	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	369.25	

23 51 16 00-0221 Tees (23 51 16 00-0175)

23 51 16 00-0222	EA	6" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	437.70	43.45
		For 3" Insulated Wall Instead Of 1" Thickness, Add	65.82	
		For 316 Stainless Steel, Add	72.40	
		For Tee Cap, Add	103.83	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	32.91	
23 51 16 00-0223	EA	8" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	496.65	47.36
		For 3" Insulated Wall Instead Of 1" Thickness, Add	75.66	
		For 316 Stainless Steel, Add	83.23	
		For Tee Cap, Add	117.08	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	37.83	
23 51 16 00-0224	EA	10" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	567.08	49.64
		For 3" Insulated Wall Instead Of 1" Thickness, Add	88.62	
		For 316 Stainless Steel, Add	97.48	
		For Tee Cap, Add	132.01	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	44.31	
23 51 16 00-0225	EA	12" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	648.41	52.08
		For 3" Insulated Wall Instead Of 1" Thickness, Add	103.65	
		For 316 Stainless Steel, Add	114.02	
		For Tee Cap, Add	149.21	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	51.83	
23 51 16 00-0226	EA	14" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	756.20	57.94
		For 3" Insulated Wall Instead Of 1" Thickness, Add	122.31	
		For 316 Stainless Steel, Add	134.54	
		For Tee Cap, Add	172.94	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	61.15	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0227	EA		16" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	849.32	65.10
			For 3" Insulated Wall Instead Of 1" Thickness, Add	137.34	
			For 316 Stainless Steel, Add	151.07	
			For Tee Cap, Add	194.26	
			For 2" Insulated Wall Instead Of 1" Thickness, Add	68.67	
23 51 16 00-0228	EA		18" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	989.14	74.38
			For 3" Insulated Wall Instead Of 1" Thickness, Add	160.66	
			For 316 Stainless Steel, Add	176.72	
			For Tee Cap, Add	225.71	
			For 2" Insulated Wall Instead Of 1" Thickness, Add	80.33	
23 51 16 00-0229	EA		20" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,136.69	91.95
			For 3" Insulated Wall Instead Of 1" Thickness, Add	181.39	
			For 316 Stainless Steel, Add	199.53	
			For Tee Cap, Add	261.80	
			For 2" Insulated Wall Instead Of 1" Thickness, Add	90.69	
23 51 16 00-0230	EA		24" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,452.69	130.19
			For 3" Insulated Wall Instead Of 1" Thickness, Add	225.44	
			For 316 Stainless Steel, Add	247.98	
			For Tee Cap, Add	339.36	
			For 2" Insulated Wall Instead Of 1" Thickness, Add	112.72	
23 51 16 00-0231	EA		28" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,754.27	142.08
			For 3" Insulated Wall Instead Of 1" Thickness, Add	279.85	
			For 316 Stainless Steel, Add	307.84	
			For Tee Cap, Add	404.10	
			For 2" Insulated Wall Instead Of 1" Thickness, Add	139.93	
23 51 16 00-0232	EA		32" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,308.10	156.24
			For 3" Insulated Wall Instead Of 1" Thickness, Add	383.50	
			For 316 Stainless Steel, Add	421.85	
			For Tee Cap, Add	520.21	
			For 2" Insulated Wall Instead Of 1" Thickness, Add	191.75	
23 51 16 00-0233	EA		36" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,572.00	173.65
			For 3" Insulated Wall Instead Of 1" Thickness, Add	427.56	
			For 316 Stainless Steel, Add	470.31	
			For Tee Cap, Add	579.53	
			For 2" Insulated Wall Instead Of 1" Thickness, Add	213.78	
23 51 16 00-0234	EA		42" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	4,084.40	260.40
			For 3" Insulated Wall Instead Of 1" Thickness, Add	686.68	
			For 316 Stainless Steel, Add	755.35	
			For Tee Cap, Add	914.53	
			For 2" Insulated Wall Instead Of 1" Thickness, Add	343.34	
23 51 16 00-0235	EA		48" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	5,121.58	312.47
			For 3" Insulated Wall Instead Of 1" Thickness, Add	868.07	
			For 316 Stainless Steel, Add	954.87	
			For Tee Cap, Add	1,141.50	
			For 2" Insulated Wall Instead Of 1" Thickness, Add	434.03	
23 51 16 00-0236 Bellows (23 51 16 00-0175)					
23 51 16 00-0237	EA		6" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	796.75	34.66
			For 3" Insulated Wall Instead Of 1" Thickness, Add	142.00	
			For 2" Insulated Wall Instead Of 1" Thickness, Add	71.00	
23 51 16 00-0238	EA		8" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	869.67	40.04
			For 3" Insulated Wall Instead Of 1" Thickness, Add	153.92	
			For 2" Insulated Wall Instead Of 1" Thickness, Add	76.96	
23 51 16 00-0239	EA		10" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	950.77	43.45
			For 3" Insulated Wall Instead Of 1" Thickness, Add	168.43	
			For 2" Insulated Wall Instead Of 1" Thickness, Add	84.22	
23 51 16 00-0240	EA		12" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,051.18	47.36
			For 3" Insulated Wall Instead Of 1" Thickness, Add	186.57	
			For 2" Insulated Wall Instead Of 1" Thickness, Add	93.29	
23 51 16 00-0241	EA		14" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,173.48	49.64
			For 3" Insulated Wall Instead Of 1" Thickness, Add	209.89	
			For 2" Insulated Wall Instead Of 1" Thickness, Add	104.95	
23 51 16 00-0242	EA		16" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,296.23	52.08
			For 3" Insulated Wall Instead Of 1" Thickness, Add	233.21	
			For 2" Insulated Wall Instead Of 1" Thickness, Add	116.61	
23 51 16 00-0243	EA		18" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,445.60	54.84
			For 3" Insulated Wall Instead Of 1" Thickness, Add	261.72	
			For 2" Insulated Wall Instead Of 1" Thickness, Add	130.86	
23 51 16 00-0244	EA		20" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,693.99	86.75
			For 3" Insulated Wall Instead Of 1" Thickness, Add	295.40	
			For 2" Insulated Wall Instead Of 1" Thickness, Add	147.70	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, and Stacks**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 51 16 00-0245	EA	24" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	2,083.94	97.65
		For 3" Insulated Wall Instead Of 1" Thickness, Add.....	367.96	
		For 2" Insulated Wall Instead Of 1" Thickness, Add.....	183.98	
23 51 16 00-0246	EA	28" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	2,333.43	104.15
		For 3" Insulated Wall Instead Of 1" Thickness, Add.....	414.60	
		For 2" Insulated Wall Instead Of 1" Thickness, Add.....	207.30	
23 51 16 00-0247	EA	32" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	2,663.01	111.64
		For 3" Insulated Wall Instead Of 1" Thickness, Add.....	476.79	
		For 2" Insulated Wall Instead Of 1" Thickness, Add.....	238.40	
23 51 16 00-0248	EA	36" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	3,046.33	130.19
		For 3" Insulated Wall Instead Of 1" Thickness, Add.....	544.16	
		For 2" Insulated Wall Instead Of 1" Thickness, Add.....	272.08	
23 51 16 00-0249	EA	42" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	3,853.22	142.08
		For 3" Insulated Wall Instead Of 1" Thickness, Add.....	699.64	
		For 2" Insulated Wall Instead Of 1" Thickness, Add.....	349.82	
23 51 16 00-0250	EA	48" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	4,666.18	156.24
		For 3" Insulated Wall Instead Of 1" Thickness, Add.....	855.11	
		For 2" Insulated Wall Instead Of 1" Thickness, Add.....	427.56	

23 51 16 00-0251 Ventilated Roof Thimbles (23 51 16 00-0175)

23 51 16 00-0252	EA	6" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	540.65	40.04
		For 316 Stainless Steel, Add.....	44.05	
23 51 16 00-0253	EA	8" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	589.94	47.36
		For 316 Stainless Steel, Add.....	47.16	
23 51 16 00-0254	EA	10" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	645.81	52.08
		For 316 Stainless Steel, Add.....	51.57	
23 51 16 00-0255	EA	12" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	699.28	57.94
		For 316 Stainless Steel, Add.....	55.45	
23 51 16 00-0256	EA	14" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	881.35	61.35
		For 316 Stainless Steel, Add.....	72.81	
23 51 16 00-0257	EA	16" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	794.97	65.10
		For 316 Stainless Steel, Add.....	63.23	
23 51 16 00-0258	EA	18" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	855.18	69.49
		For 316 Stainless Steel, Add.....	68.15	
23 51 16 00-0259	EA	20" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	974.88	97.65
		For 316 Stainless Steel, Add.....	73.07	
23 51 16 00-0260	EA	24" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,094.94	111.48
		For 316 Stainless Steel, Add.....	81.62	
23 51 16 00-0261	EA	28" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,246.08	120.10
		For 316 Stainless Steel, Add.....	94.58	
23 51 16 00-0262	EA	32" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,387.70	130.03
		For 316 Stainless Steel, Add.....	106.24	
23 51 16 00-0263	EA	36" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,556.42	156.07
		For 316 Stainless Steel, Add.....	116.61	
23 51 16 00-0264	EA	42" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,975.59	173.49
		For 316 Stainless Steel, Add.....	154.18	
23 51 16 00-0265	EA	48" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	2,431.35	195.13
		For 316 Stainless Steel, Add.....	194.34	

23 51 16 00-0266 Exit Cones (23 51 16 00-0175)

23 51 16 00-0267	EA	6" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	370.21	22.62
23 51 16 00-0268	EA	8" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	391.11	24.74
23 51 16 00-0269	EA	10" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	420.08	26.04
23 51 16 00-0270	EA	12" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	439.07	27.35
23 51 16 00-0271	EA	14" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	482.36	28.16
23 51 16 00-0272	EA	16" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	525.67	28.80
23 51 16 00-0273	EA	18" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	634.05	29.79
23 51 16 00-0274	EA	20" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	805.47	55.83

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0275	EA	24" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,005.31	60.06
23 51 16 00-0276	EA	28" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,192.75	62.50
23 51 16 00-0277	EA	32" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,458.38	65.10
23 51 16 00-0278	EA	36" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,654.61	71.12
23 51 16 00-0279	EA	42" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,077.67	74.38
23 51 16 00-0280	EA	48" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,644.04	78.12
23 51 16 00-0281 Vent Top Caps (23 51 16 00-0175)				
23 51 16 00-0282	EA	6" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	403.77	22.62
23 51 16 00-0283	EA	8" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	466.26	24.74
23 51 16 00-0284	EA	10" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	539.24	26.04
23 51 16 00-0285	EA	12" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	617.82	27.35
23 51 16 00-0286	EA	14" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	718.09	28.16
23 51 16 00-0287	EA	16" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	813.40	28.97
23 51 16 00-0288	EA	18" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	903.59	29.79
23 51 16 00-0289	EA	20" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,098.12	55.83
23 51 16 00-0290	EA	24" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,303.30	60.06
23 51 16 00-0291	EA	28" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,412.92	62.50
23 51 16 00-0292	EA	32" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,600.80	65.10
23 51 16 00-0293	EA	36" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,861.72	70.96
23 51 16 00-0294	EA	42" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,258.94	74.38
23 51 16 00-0295	EA	48" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,618.01	78.12
23 51 16 00-0296 Roof Support Assemblies (23 51 16 00-0175)				
23 51 16 00-0297	EA	6" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	614.50	41.67
		<i>For 316 Stainless Steel, Add</i>	102.10	
23 51 16 00-0298	EA	8" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	681.14	49.64
		<i>For 316 Stainless Steel, Add</i>	111.42	
23 51 16 00-0299	EA	10" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	748.48	54.84
		<i>For 316 Stainless Steel, Add</i>	122.31	
23 51 16 00-0300	EA	12" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	800.88	61.19
		<i>For 316 Stainless Steel, Add</i>	129.56	
23 51 16 00-0301	EA	14" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	890.88	65.10
		<i>For 316 Stainless Steel, Add</i>	145.63	
23 51 16 00-0302	EA	16" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	945.81	69.49
		<i>For 316 Stainless Steel, Add</i>	154.44	
23 51 16 00-0303	EA	18" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,015.36	74.54
		<i>For 316 Stainless Steel, Add</i>	165.84	
23 51 16 00-0304	EA	20" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,141.42	104.15
		<i>For 316 Stainless Steel, Add</i>	176.20	
23 51 16 00-0305	EA	24" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,285.17	120.27
		<i>For 316 Stainless Steel, Add</i>	196.94	
23 51 16 00-0306	EA	28" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,478.61	130.19
		<i>For 316 Stainless Steel, Add</i>	230.62	
23 51 16 00-0307	EA	32" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,754.30	142.08
		<i>For 316 Stainless Steel, Add</i>	279.85	
23 51 16 00-0308	EA	36" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,040.80	173.65
		<i>For 316 Stainless Steel, Add</i>	321.32	
23 51 16 00-0309	EA	42" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,001.71	195.29
		<i>For 316 Stainless Steel, Add</i>	502.70	
23 51 16 00-0310	EA	48" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,664.57	221.99
		<i>For 316 Stainless Steel, Add</i>	621.90	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, and Stacks**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 51 16 00-0311	Round Stainless Steel Double Wall Flue/Vent Pipe And Fittings (23 51 16)		
	Note: With 1" insulation.		
23 51 16 00-0312	Round Stainless Steel Double Wall Flue/Vent Pipe (23 51 16 00-0311)		
	Note: With 1" insulation.		
23 51 16 00-0313	LF 6" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	116.03	17.42
	For 2" Insulated Wall Instead Of 1" Thickness, Add	7.26	
	For 3" Insulated Wall Instead Of 1" Thickness, Add	14.51	
23 51 16 00-0314	LF 7" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	139.82	18.55
	For 2" Insulated Wall Instead Of 1" Thickness, Add	9.33	
	For 3" Insulated Wall Instead Of 1" Thickness, Add	18.66	
23 51 16 00-0315	LF 8" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	158.97	20.02
	For 2" Insulated Wall Instead Of 1" Thickness, Add	10.88	
	For 3" Insulated Wall Instead Of 1" Thickness, Add	21.77	
23 51 16 00-0316	LF 10" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	212.18	21.65
	For 2" Insulated Wall Instead Of 1" Thickness, Add	15.81	
	For 3" Insulated Wall Instead Of 1" Thickness, Add	31.61	
23 51 16 00-0317	LF 12" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	271.72	23.76
	For 2" Insulated Wall Instead Of 1" Thickness, Add	21.25	
	For 3" Insulated Wall Instead Of 1" Thickness, Add	42.50	
23 51 16 00-0318	LF 14" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	342.02	24.90
	For 2" Insulated Wall Instead Of 1" Thickness, Add	27.99	
	For 3" Insulated Wall Instead Of 1" Thickness, Add	55.97	
23 51 16 00-0319	90 Degree Elbows (23 51 16 00-0311)		
23 51 16 00-0320	EA 6" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	248.76	34.66
	For 2" Insulated Wall Instead Of 1" Thickness, Add	16.20	
	For 3" Insulated Wall Instead Of 1" Thickness, Add	32.39	
23 51 16 00-0321	EA 7" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	274.31	37.10
	For 2" Insulated Wall Instead Of 1" Thickness, Add	18.14	
	For 3" Insulated Wall Instead Of 1" Thickness, Add	36.28	
23 51 16 00-0322	EA 8" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	307.43	40.04
	For 2" Insulated Wall Instead Of 1" Thickness, Add	20.73	
	For 3" Insulated Wall Instead Of 1" Thickness, Add	41.46	
23 51 16 00-0323	EA 10" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	378.05	43.45
	For 2" Insulated Wall Instead Of 1" Thickness, Add	26.95	
	For 3" Insulated Wall Instead Of 1" Thickness, Add	53.90	
23 51 16 00-0324	EA 12" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	447.43	47.36
	For 2" Insulated Wall Instead Of 1" Thickness, Add	32.91	
	For 3" Insulated Wall Instead Of 1" Thickness, Add	65.82	
23 51 16 00-0325	EA 14" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	517.81	49.64
	For 2" Insulated Wall Instead Of 1" Thickness, Add	39.39	
	For 3" Insulated Wall Instead Of 1" Thickness, Add	78.77	
23 51 16 00-0326	45 Degree Elbows (23 51 16 00-0311)		
23 51 16 00-0327	EA 6" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	208.28	34.66
	For 2" Insulated Wall Instead Of 1" Thickness, Add	12.15	
	For 3" Insulated Wall Instead Of 1" Thickness, Add	24.29	
23 51 16 00-0328	EA 7" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	228.95	37.10
	For 2" Insulated Wall Instead Of 1" Thickness, Add	13.60	
	For 3" Insulated Wall Instead Of 1" Thickness, Add	27.21	
23 51 16 00-0329	EA 8" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	255.63	40.04
	For 2" Insulated Wall Instead Of 1" Thickness, Add	15.55	
	For 3" Insulated Wall Instead Of 1" Thickness, Add	31.10	
23 51 16 00-0330	EA 10" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	310.68	43.45
	For 2" Insulated Wall Instead Of 1" Thickness, Add	20.21	
	For 3" Insulated Wall Instead Of 1" Thickness, Add	40.42	
23 51 16 00-0331	EA 12" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	365.13	47.36
	For 2" Insulated Wall Instead Of 1" Thickness, Add	24.68	
	For 3" Insulated Wall Instead Of 1" Thickness, Add	49.36	
23 51 16 00-0332	EA 14" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	419.42	49.64
	For 2" Insulated Wall Instead Of 1" Thickness, Add	29.54	
	For 3" Insulated Wall Instead Of 1" Thickness, Add	59.08	
23 51 16 00-0333	Tees With Tee Caps (23 51 16 00-0311)		
23 51 16 00-0334	EA 6" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	392.50	34.66
	For 2" Insulated Wall Instead Of 1" Thickness, Add	30.58	
	For 3" Insulated Wall Instead Of 1" Thickness, Add	61.15	
23 51 16 00-0335	EA 7" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	491.98	37.10
	For 2" Insulated Wall Instead Of 1" Thickness, Add	39.91	
	For 3" Insulated Wall Instead Of 1" Thickness, Add	79.81	
23 51 16 00-0336	EA 8" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	550.97	40.04
	For 2" Insulated Wall Instead Of 1" Thickness, Add	45.09	
	For 3" Insulated Wall Instead Of 1" Thickness, Add	90.18	
23 51 16 00-0337	EA 10" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	743.31	43.45
	For 2" Insulated Wall Instead Of 1" Thickness, Add	63.49	
	For 3" Insulated Wall Instead Of 1" Thickness, Add	126.97	
23 51 16 00-0338	EA 12" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	1,012.25	47.36
	For 2" Insulated Wall Instead Of 1" Thickness, Add	89.40	
	For 3" Insulated Wall Instead Of 1" Thickness, Add	178.80	
23 51 16 00-0339	EA 14" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	1,289.96	49.64
	For 2" Insulated Wall Instead Of 1" Thickness, Add	116.61	
	For 3" Insulated Wall Instead Of 1" Thickness, Add	233.21	

MINOR
CSI UOM DESCRIPTION

 TOTAL DIRECT
UNIT COST
DEMOLITION
UNIT COST

23 51 16 00-0340		Joist Shields (23 51 16 00-0311)	
23 51 16 00-0341	EA	6" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	180.04
23 51 16 00-0342	EA	7" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	193.99
23 51 16 00-0343	EA	8" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	224.47
23 51 16 00-0344	EA	10" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	275.76
23 51 16 00-0345	EA	12" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	326.92
23 51 16 00-0346	EA	14" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	383.06
23 51 16 00-0347		Adjustable Roof Flashing (23 51 16 00-0311)	
23 51 16 00-0348	EA	6" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	209.82
23 51 16 00-0349	EA	7" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	232.84
23 51 16 00-0350	EA	8" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	252.95
23 51 16 00-0351	EA	10" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	304.22
23 51 16 00-0352	EA	12" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	371.08
23 51 16 00-0353	EA	14" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	440.01
23 51 16 00-0354		Vent Top Caps (23 51 16 00-0311)	
23 51 16 00-0355	EA	6" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	190.40
23 51 16 00-0356	EA	7" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	234.13
23 51 16 00-0357	EA	8" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	289.24
23 51 16 00-0358	EA	10" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	448.08
23 51 16 00-0359	EA	12" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	602.96
23 51 16 00-0360	EA	14" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	761.42
23 51 16 00-0361		Roof Support Assemblies (23 51 16 00-0311)	
23 51 16 00-0362	EA	6" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	271.89
23 51 16 00-0363	EA	7" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	301.51
23 51 16 00-0364	EA	8" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	326.79
23 51 16 00-0365	EA	10" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	406.47
23 51 16 00-0366	EA	12" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	478.51
23 51 16 00-0367	EA	14" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	580.04
23 51 16 00-0368		Polyvinyl Chloride (PVC) Flue/Vent Accessories (23 51 16)	
23 51 16 00-0369		Concentric Polyvinyl Chloride (PVC) Vent Termination (23 51 16 00-0368)	
23 51 16 00-0370	EA	2" Concentric Polyvinyl Chloride (PVC) Vent Termination	284.90
23 51 16 00-0371	EA	3" Concentric Polyvinyl Chloride (PVC) Vent Termination	306.66
23 51 16 00-0372		Polypropylene (PP) Flue/Vent Pipe And Fittings (23 51 16)	
Note: Centrotherm InnoFlue® Vent System			
23 51 16 00-0373		Polypropylene Flue/Vent Rigid Pipe Sections (23 51 16 00-0372)	
Note: Gasketed rigid single wall polypropylene vent lengths with dedicated male and female ends.			
23 51 16 00-0374	EA	2" x 12" Polypropylene Flue/Vent Rigid Pipe Section	58.94
23 51 16 00-0375	EA	2" x 24" Polypropylene Flue/Vent Rigid Pipe Section	66.14
23 51 16 00-0376	EA	2" x 36" Polypropylene Flue/Vent Rigid Pipe Section	75.42
23 51 16 00-0377	EA	2" x 72" Polypropylene Flue/Vent Rigid Pipe Section	92.87
23 51 16 00-0378	EA	3" x 12" Polypropylene Flue/Vent Rigid Pipe Section	70.28
23 51 16 00-0379	EA	3" x 24" Polypropylene Flue/Vent Rigid Pipe Section	83.01
23 51 16 00-0380	EA	3" x 36" Polypropylene Flue/Vent Rigid Pipe Section	100.39
23 51 16 00-0381	EA	3" x 72" Polypropylene Flue/Vent Rigid Pipe Section	123.33
23 51 16 00-0382	EA	4" x 12" Polypropylene Flue/Vent Rigid Pipe Section	112.26
23 51 16 00-0383	EA	4" x 24" Polypropylene Flue/Vent Rigid Pipe Section	130.57
23 51 16 00-0384	EA	4" x 36" Polypropylene Flue/Vent Rigid Pipe Section	160.18
23 51 16 00-0385	EA	4" x 72" Polypropylene Flue/Vent Rigid Pipe Section	205.36
23 51 16 00-0386	EA	5" x 12" Polypropylene Flue/Vent Rigid Pipe Section	166.41
23 51 16 00-0387	EA	5" x 24" Polypropylene Flue/Vent Rigid Pipe Section	188.18
23 51 16 00-0388	EA	5" x 36" Polypropylene Flue/Vent Rigid Pipe Section	240.07
23 51 16 00-0389	EA	5" x 72" Polypropylene Flue/Vent Rigid Pipe Section	308.73
23 51 16 00-0390		Polypropylene Flue/Vent Elbows (23 51 16 00-0372)	
Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.			
23 51 16 00-0391	EA	2" Polypropylene Flue/Vent 15 Degree Elbow	72.65
23 51 16 00-0392	EA	3" Polypropylene Flue/Vent 15 Degree Elbow	83.51
23 51 16 00-0393	EA	4" Polypropylene Flue/Vent 15 Degree Elbow	101.47
23 51 16 00-0394	EA	5" Polypropylene Flue/Vent 15 Degree Elbow	116.16
23 51 16 00-0395	EA	2" Polypropylene Flue/Vent 30 Degree Elbow	72.65
23 51 16 00-0396	EA	3" Polypropylene Flue/Vent 30 Degree Elbow	83.51
23 51 16 00-0397	EA	4" Polypropylene Flue/Vent 30 Degree Elbow	101.47
23 51 16 00-0398	EA	5" Polypropylene Flue/Vent 30 Degree Elbow	116.16
23 51 16 00-0399	EA	2" Polypropylene Flue/Vent 45 Degree Elbow	72.65
23 51 16 00-0400	EA	3" Polypropylene Flue/Vent 45 Degree Elbow	83.51
23 51 16 00-0401	EA	4" Polypropylene Flue/Vent 45 Degree Elbow	101.47
23 51 16 00-0402	EA	5" Polypropylene Flue/Vent 45 Degree Elbow	116.16
23 51 16 00-0403	EA	2" Polypropylene Flue/Vent 87 Degree Elbow	72.65
23 51 16 00-0404	EA	3" Polypropylene Flue/Vent 87 Degree Elbow	83.51
23 51 16 00-0405	EA	4" Polypropylene Flue/Vent 87 Degree Elbow	100.39

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, and Stacks**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 51 16 00-0406	EA	5" Polypropylene Flue/Vent 87 Degree Elbow	118.83	27.78
23 51 16 00-0407 Polypropylene Flue/Vent Tees (23 51 16 00-0372)				
Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.				
23 51 16 00-0408	EA	2" Polypropylene Flue/Vent Tee	205.50	36.70
23 51 16 00-0409	EA	3" Polypropylene Flue/Vent Tee	254.31	38.64
23 51 16 00-0410	EA	4" Polypropylene Flue/Vent Tee	295.69	40.04
23 51 16 00-0411	EA	5" Polypropylene Flue/Vent Tee	322.40	41.67
23 51 16 00-0412 Polypropylene Flue/Vent Adaptors (23 51 16 00-0372)				
Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.				
23 51 16 00-0413	EA	2" Polypropylene Flue/Vent Adaptor With Gasket.....	83.19	24.46
23 51 16 00-0414	EA	3" Polypropylene Flue/Vent Adaptor With Gasket.....	114.19	25.75
23 51 16 00-0415	EA	4" Polypropylene Flue/Vent Adaptor With Gasket.....	131.17	26.69
23 51 16 00-0416	EA	5" Polypropylene Flue/Vent Adaptor With Gasket.....	174.23	27.78
23 51 16 00-0417 Polypropylene Flue/Vent Increases (23 51 16 00-0372)				
Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.				
23 51 16 00-0418	EA	2" to 3" Polypropylene Flue/Vent Centric Increaser	91.11	25.11
23 51 16 00-0419	EA	3" to 4" Polypropylene Flue/Vent Centric Increaser	99.08	26.22
23 51 16 00-0420	EA	4" to 5" Polypropylene Flue/Vent Centric Increaser	167.48	27.22
23 51 16 00-0421	EA	2" to 3" Polypropylene Flue/Vent Eccentric Increaser	118.14	25.11
23 51 16 00-0422	EA	3" to 4" Polypropylene Flue/Vent Eccentric Increaser	96.88	26.22
23 51 16 00-0423	EA	4" to 5" Polypropylene Flue/Vent Eccentric Increaser	225.22	27.22
23 51 16 00-0424 Polypropylene Flue/Vent Reducers (23 51 16 00-0372)				
Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.				
23 51 16 00-0425	EA	3" to 2" Polypropylene Flue/Vent Reducer	91.11	25.11
23 51 16 00-0426	EA	4" to 3" Polypropylene Flue/Vent Reducer	99.08	26.22
23 51 16 00-0427	EA	5" to 4" Polypropylene Flue/Vent Reducer	203.48	27.22
23 51 16 00-0428 Polypropylene Flue/Vent Test Ports (23 51 16 00-0372)				
Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.				
23 51 16 00-0429	EA	2" Polypropylene Flue/Vent Test Port	118.18	36.70
23 51 16 00-0430	EA	3" Polypropylene Flue/Vent Test Port	131.20	38.64
23 51 16 00-0431	EA	4" Polypropylene Flue/Vent Test Port	190.51	40.04
23 51 16 00-0432	EA	5" Polypropylene Flue/Vent Test Port	202.82	41.67
23 51 16 00-0433 Polypropylene Flue/Vent Cascade Components (23 51 16 00-0372)				
Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.				
23 51 16 00-0434	EA	4" x 15" Polypropylene Flue/Vent Branch Tee With 4" Feeder	300.54	40.04
23 51 16 00-0435	EA	4" x 42" Polypropylene Flue/Vent Branch Tee With 4" Feeder	392.30	50.05
23 51 16 00-0436	EA	5" x 12" Polypropylene Flue/Vent Branch Tee With 4" Feeder	251.91	41.67
23 51 16 00-0437	EA	5" x 42" Polypropylene Flue/Vent Branch Tee With 4" Feeder	367.95	52.08
23 51 16 00-0438	EA	3" to 4" Polypropylene Flue/Vent Non-Return Valve	370.16	26.22
23 51 16 00-0439	EA	4" to 4" Polypropylene Flue/Vent Non-Return Valve	426.86	27.22
23 51 16 00-0440 Polypropylene Flue/Vent Condensate Management (23 51 16 00-0372)				
Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.				
23 51 16 00-0441	EA	2" Polypropylene Flue/Vent Horizontal Drain Tee	154.68	36.70
23 51 16 00-0442	EA	3" Polypropylene Flue/Vent Horizontal Drain Tee	183.85	38.64
23 51 16 00-0443	EA	4" Polypropylene Flue/Vent Horizontal Drain Tee	208.30	40.04
23 51 16 00-0444	EA	5" Polypropylene Flue/Vent Horizontal Drain Tee	235.48	41.67
23 51 16 00-0445	EA	4" Polypropylene Flue/Vent Horizontal Drain Fittings	257.69	40.04
23 51 16 00-0446	EA	5" Polypropylene Flue/Vent Horizontal Drain Fittings	282.75	41.67
23 51 16 00-0447	EA	2" Polypropylene Flue/Vent Tee Cap	84.31	12.24
23 51 16 00-0448	EA	3" Polypropylene Flue/Vent Tee Cap	106.70	12.87
23 51 16 00-0449	EA	4" Polypropylene Flue/Vent Tee Cap	125.76	13.35
23 51 16 00-0450	EA	5" Polypropylene Flue/Vent Tee Cap	162.33	13.88
23 51 16 00-0451	EA	2" Polypropylene Flue/Vent Tee Cap With Drain	170.48	36.70
23 51 16 00-0452	EA	3" Polypropylene Flue/Vent Tee Cap With Drain	205.75	38.64
23 51 16 00-0453	EA	4" Polypropylene Flue/Vent Tee Cap With Drain	235.47	40.04
23 51 16 00-0454	EA	5" Polypropylene Flue/Vent Tee Cap With Drain	280.15	41.67
23 51 16 00-0455 Polypropylene Flue/Vent Terminations (23 51 16 00-0372)				
23 51 16 00-0456	EA	2" Polypropylene-UV Black Flue/Vent Chimney Cover	209.00	24.46
23 51 16 00-0457	EA	3" Polypropylene-UV Black Flue/Vent Chimney Cover	186.63	25.75
23 51 16 00-0458	EA	4" Polypropylene-UV Black Flue/Vent Chimney Cover	230.56	26.69
23 51 16 00-0459	EA	3" Stainless Steel Chimney Cover With Polypropylene-UV Black End Pipe	455.35	25.75
23 51 16 00-0460	EA	4" Stainless Steel Chimney Cover With Polypropylene-UV Black End Pipe	485.78	26.69
23 51 16 00-0461	EA	5" Stainless Steel Chimney Cover With Polypropylene-UV Black End Pipe	565.24	27.78
23 51 16 00-0462	EA	2"/4" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	128.85	24.46
23 51 16 00-0463	EA	2"/5" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	135.62	24.46
23 51 16 00-0464	EA	2"/6" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	142.39	24.46
23 51 16 00-0465	EA	2"/7" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	149.16	24.46
23 51 16 00-0466	EA	3"/4" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	138.84	25.75
23 51 16 00-0467	EA	3"/5" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	145.61	25.75

MINOR		CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0468	EA	3" / 6" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	152.38	25.75	
23 51 16 00-0469	EA	3" / 7" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	159.15	25.75	
23 51 16 00-0470	EA	4" / 5" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	154.73	26.69	
23 51 16 00-0471	EA	4" / 6" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	161.50	26.69	
23 51 16 00-0472	EA	4" / 7" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	168.27	26.69	
23 51 16 00-0473	EA	2" Polypropylene-UV Black Flue/Vent Low Profile Wall Termination	135.55	24.46	
23 51 16 00-0474	EA	3" Polypropylene-UV Black Flue/Vent Low Profile Wall Termination	170.65	25.75	
23 51 16 00-0475	EA	2" Polypropylene-UV Black Flue/Vent Termination Tee	162.02	36.70	
23 51 16 00-0476	EA	3" Polypropylene-UV Black Flue/Vent Termination Tee	208.13	38.64	
23 51 16 00-0477	EA	4" Polypropylene-UV Black Flue/Vent Termination Tee	243.04	40.04	
23 51 16 00-0478	EA	5" Polypropylene-UV Black Flue/Vent Termination Tee	266.45	41.67	
23 51 16 00-0479	EA	2" x 20" Polypropylene-UV Black Flue/Vent End Pipe	62.03	21.18	
23 51 16 00-0480	EA	2" x 39" Polypropylene-UV Black Flue/Vent End Pipe	73.25	23.55	
23 51 16 00-0481	EA	3" x 20" Polypropylene-UV Black Flue/Vent End Pipe	73.99	24.30	
23 51 16 00-0482	EA	3" x 39" Polypropylene-UV Black Flue/Vent End Pipe	90.65	27.00	
23 51 16 00-0483	EA	4" x 20" Polypropylene-UV Black Flue/Vent End Pipe	109.27	32.13	
23 51 16 00-0484	EA	5" x 20" Polypropylene-UV Black Flue/Vent End Pipe	152.45	47.42	
23 51 16 00-0485	EA	5" x 39" Polypropylene-UV Black Flue/Vent End Pipe	182.21	52.70	
23 51 16 00-0486	EA	2" x 24" Polypropylene-UV Black Flue/Vent Vent Length	67.46	21.18	
23 51 16 00-0487	EA	3" x 24" Polypropylene-UV Black Flue/Vent Vent Length	85.24	24.30	
23 51 16 00-0488	EA	4" x 24" Polypropylene-UV Black Flue/Vent Vent Length	135.59	32.13	
23 51 16 00-0489	EA	2" Polypropylene-UV Black Flue/Vent 45 Degree Elbow	74.81	24.46	
23 51 16 00-0490	EA	3" Polypropylene-UV Black Flue/Vent 45 Degree Elbow	86.22	25.75	
23 51 16 00-0491	EA	4" Polypropylene-UV Black Flue/Vent 45 Degree Elbow	104.93	26.69	
23 51 16 00-0492	EA	2" Polypropylene-UV Black Flue/Vent 87 Degree Elbow	73.79	24.46	
23 51 16 00-0493	EA	3" Polypropylene-UV Black Flue/Vent 87 Degree Elbow	85.54	25.75	
23 51 16 00-0494	EA	4" Polypropylene-UV Black Flue/Vent 87 Degree Elbow	103.74	26.69	
23 51 16 00-0495	EA	2" Polypropylene-UV Black Bird Screen For Polypropylene Flue/Vent	46.19	12.24	
23 51 16 00-0496	EA	3" Polypropylene-UV Black Bird Screen For Polypropylene Flue/Vent	53.11	12.87	
23 51 16 00-0497	EA	4" Polypropylene-UV Black Bird Screen For Polypropylene Flue/Vent	58.95	13.35	
23 51 16 00-0498	EA	3" Stainless Steel Bird Screen For Polypropylene Flue/Vent	108.57	12.87	
23 51 16 00-0499	EA	5" Stainless Steel Bird Screen For Polypropylene Flue/Vent	124.30	13.88	
23 51 16 00-0500 Polypropylene Flue/Vent Accessories (23 51 16 00-0372)					
23 51 16 00-0501	EA	2" Spacer For Polypropylene Flue/Vent	23.48	6.12	
23 51 16 00-0502	EA	3" Spacer For Polypropylene Flue/Vent	22.68	6.44	
23 51 16 00-0503	EA	4" Spacer For Polypropylene Flue/Vent	23.38	6.67	
23 51 16 00-0504	EA	5" Spacer For Polypropylene Flue/Vent	35.08	6.95	
23 51 16 00-0505	EA	2" Flue Clamp For Polypropylene Flue/Vent	43.12	9.18	
23 51 16 00-0506	EA	3" Flue Clamp For Polypropylene Flue/Vent	50.09	9.65	
23 51 16 00-0507	EA	4" Flue Clamp For Polypropylene Flue/Vent	57.51	10.01	
23 51 16 00-0508	EA	2" Support Clamp For Polypropylene Flue/Vent	41.23	9.18	
23 51 16 00-0509	EA	4" Support Clamp For Polypropylene Flue/Vent	41.57	10.01	
23 51 16 00-0510	EA	5" Support Clamp For Polypropylene Flue/Vent	49.76	10.41	
23 51 16 00-0511	EA	3" Plastic Support Clamp For Polypropylene Flue/Vent	32.81	9.65	
23 51 16 00-0512	EA	2" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent	67.98	24.46	
23 51 16 00-0513	EA	3" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent	74.33	25.75	
23 51 16 00-0514	EA	4" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent	79.52	26.69	
23 51 16 00-0515	EA	5" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent	87.78	27.78	
23 51 16 00-0516	EA	2" Single Wall EDPM Gasket For Polypropylene Flue/Vent	4.35		
23 51 16 00-0517	EA	3" Single Wall EDPM Gasket For Polypropylene Flue/Vent	4.86		
23 51 16 00-0518	EA	4" Single Wall EDPM Gasket For Polypropylene Flue/Vent	6.58		
23 51 16 00-0519	EA	5" Single Wall EDPM Gasket For Polypropylene Flue/Vent	10.87		
23 51 16 00-0520	EA	2" Connector Ring For Polypropylene Flue/Vent	19.96	6.12	
23 51 16 00-0521	EA	3" Connector Ring For Polypropylene Flue/Vent	22.35	6.44	
23 51 16 00-0522	EA	4" Connector Ring For Polypropylene Flue/Vent	23.94	6.67	
23 51 16 00-0523	EA	5" Connector Ring For Polypropylene Flue/Vent	26.25	6.95	
23 51 16 00-0524	EA	2" / 4" Polypropylene Flue/Vent Air Intake, White	91.10	12.24	
23 51 16 00-0525	EA	3" / 5" Polypropylene Flue/Vent Air Intake, White	93.56	12.87	
23 51 16 00-0526	EA	4" / 6" Polypropylene Flue/Vent Air Intake, White	71.38	13.35	
23 51 16 00-0527	EA	2" Base Support For Polypropylene Flue/Vent	78.48	9.18	
23 51 16 00-0528	EA	3" Base Support For Polypropylene Flue/Vent	81.04	9.65	
23 51 16 00-0529	EA	4" Base Support For Polypropylene Flue/Vent	107.34	10.01	
23 51 16 00-0530	EA	5" Base Support For Polypropylene Flue/Vent	178.68	10.41	
23 51 16 00-0531 Polypropylene Flue/Vent Flex Pipe (23 51 16 00-0372)					
23 51 16 00-0532	LF	2", Up To 50', Polypropylene Flue/Vent Flex Pipe	14.40	2.15	
23 51 16 00-0533	LF	2", > 50', Polypropylene Flue/Vent Flex Pipe	12.60	2.15	
23 51 16 00-0534	LF	3", Up To 50', Polypropylene Flue/Vent Flex Pipe	17.65	2.54	
23 51 16 00-0535	LF	3", > 50', Polypropylene Flue/Vent Flex Pipe	15.39	2.54	
23 51 16 00-0536	LF	4", Up To 50', Polypropylene Flue/Vent Flex Pipe	25.19	3.13	
23 51 16 00-0537	LF	4", > 50', Polypropylene Flue/Vent Flex Pipe	21.71	3.13	
23 51 16 00-0538 Polypropylene Flue/Vent Couplers (23 51 16 00-0372)					
Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.					
23 51 16 00-0539	EA	2" Polypropylene Flue/Vent Coupler, Single Wall to Flex	106.01	24.46	
23 51 16 00-0540	EA	2" Polypropylene Flue/Vent Coupler, Flex to Single Wall	117.32	24.46	
23 51 16 00-0541	EA	3" Polypropylene Flue/Vent Coupler, Flex to Single Wall	227.18	25.75	
23 51 16 00-0542	EA	4" Polypropylene Flue/Vent Coupler, Flex to Single Wall	405.19	26.69	
23 51 16 00-0543	EA	2" Polypropylene Flue/Vent Coupler, Flex to Flex	120.65	24.46	
23 51 16 00-0544	EA	3" Polypropylene Flue/Vent Coupler, Flex to Flex	268.47	25.75	
23 51 16 00-0545	EA	4" Polypropylene Flue/Vent Coupler, Flex to Flex	675.95	26.69	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, and Stacks**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 51 16 00-0546	Polypropylene Flue/Vent Flex End Terminations (23 51 16 00-0372)		
23 51 16 00-0547	EA 2" Polypropylene-UV Black Flue/Vent Flex End Pipe Termination.....	135.65	24.46
23 51 16 00-0548	EA 3" Polypropylene-UV Black Flue/Vent Flex End Pipe Termination.....	126.85	25.75
23 51 16 00-0549	EA 4" Polypropylene-UV Black Flue/Vent Flex End Pipe Termination.....	154.36	26.69

23 51 16 00-0550 Aluminum Flue/Vent Fittings (23 51 16)

23 51 16 00-0551	Aluminum Vent Top Caps (23 51 16 00-0550)		
23 51 16 00-0552	EA 3" Aluminum Vent Cap (Star-Kap® 3-SK).....	129.18	24.25
23 51 16 00-0553	EA 4" Aluminum Vent Cap (Star-Kap® 4-SK).....	137.21	23.76
23 51 16 00-0554	EA 5" Aluminum Vent Cap (Star-Kap® 5-SK).....	148.44	24.90
23 51 16 00-0555	EA 6" Aluminum Vent Cap (Star-Kap® 6-SK).....	203.21	26.04
23 51 16 00-0556	EA 8" Aluminum Vent Cap (Star-Kap® 8-SK).....	227.18	28.97
23 51 16 00-0557	EA 10" Aluminum Vent Cap (Star-Kap® 10-SK).....	625.47	30.60
23 51 16 00-0558	EA 12" Aluminum Vent Cap (Star-Kap® 12-SK).....	641.56	32.55

23 52 Heating Boilers (23 50)**23 52 13 Electric Boilers** (23 52)**23 52 13 00-0001 Packaged Electric Steam Boiler** (23 52 13)

Note: Includes burners, standard controls and safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.) Rated by KW and MBH gross rated output.

23 52 13 00-0002	EA 12 KW, 42 MBH Electric Steam Boiler With Packaged Standard Controls	8,773.75	686.87
23 52 13 00-0003	EA 24 KW, 84 MBH Electric Steam Boiler With Packaged Standard Controls	9,473.10	801.35
23 52 13 00-0004	EA 36 KW, 126 MBH Electric Steam Boiler With Packaged Standard Controls	10,160.81	858.59
23 52 13 00-0005	EA 48 KW, 168 MBH Electric Steam Boiler With Packaged Standard Controls	11,306.43	915.83
23 52 13 00-0006	EA 60 KW, 210 MBH Electric Steam Boiler With Packaged Standard Controls	12,424.62	973.07
23 52 13 00-0007	EA 80 KW, 280 MBH Electric Steam Boiler With Packaged Standard Controls	14,498.24	1,087.55
23 52 13 00-0008	EA 100 KW, 350 MBH Electric Steam Boiler With Packaged Standard Controls	16,571.96	1,202.03
23 52 13 00-0009	EA 120 KW, 420 MBH Electric Steam Boiler With Packaged Standard Controls	17,250.61	1,259.27
23 52 13 00-0010	EA 140 KW, 490 MBH Electric Steam Boiler With Packaged Standard Controls	18,177.70	1,316.51
23 52 13 00-0011	EA 160 KW, 560 MBH Electric Steam Boiler With Packaged Standard Controls	23,736.94	1,430.98
23 52 13 00-0012	EA 180 KW, 630 MBH Electric Steam Boiler With Packaged Standard Controls	24,735.62	1,488.22
23 52 13 00-0013	EA 200 KW, 700 MBH Electric Steam Boiler With Packaged Standard Controls	25,944.67	1,613.08
23 52 13 00-0014	EA 220 KW, 770 MBH Electric Steam Boiler With Packaged Standard Controls	27,024.37	1,732.57
23 52 13 00-0015	EA 240 KW, 840 MBH Electric Steam Boiler With Packaged Standard Controls	29,153.84	1,852.07
23 52 13 00-0016	EA 260 KW, 910 MBH Electric Steam Boiler With Packaged Standard Controls	31,398.61	2,031.29
23 52 13 00-0017	EA 280 KW, 980 MBH Electric Steam Boiler With Packaged Standard Controls	33,390.03	2,091.04
23 52 13 00-0018	EA 300 KW, 1,050 MBH Electric Steam Boiler With Packaged Standard Controls	35,008.52	2,150.78
23 52 13 00-0019	EA 320 KW, 1,120 MBH Electric Steam Boiler With Packaged Standard Controls	37,212.73	2,210.53
23 52 13 00-0020	EA 360 KW, 1,260 MBH Electric Steam Boiler With Packaged Standard Controls	39,417.54	2,270.27
23 52 13 00-0021	EA 400 KW, 1,400 MBH Electric Steam Boiler With Packaged Standard Controls	42,176.37	2,389.76
23 52 13 00-0022	EA 460 KW, 1,610 MBH Electric Steam Boiler With Packaged Standard Controls	45,018.84	2,509.25
23 52 13 00-0023	EA 500 KW, 1,750 MBH Electric Steam Boiler With Packaged Standard Controls	47,801.57	2,568.98
23 52 13 00-0024	EA 600 KW, 2,100 MBH Electric Steam Boiler With Packaged Standard Controls	52,964.74	2,628.73
23 52 13 00-0025	EA 700 KW, 2,450 MBH Electric Steam Boiler With Packaged Standard Controls	57,043.25	2,748.22
23 52 13 00-0026	EA 756 KW, 2,646 MBH Electric Steam Boiler With Packaged Standard Controls	58,422.65	2,867.71
23 52 13 00-0027	EA 828 KW, 2,898 MBH Electric Steam Boiler With Packaged Standard Controls	64,223.09	3,046.94
23 52 13 00-0028	EA 936 KW, 3,276 MBH Electric Steam Boiler With Packaged Standard Controls	66,315.45	3,226.18
23 52 13 00-0029	EA 1,008 KW, 3,528 MBH Electric Steam Boiler With Packaged Standard Controls	68,527.30	3,405.40
23 52 13 00-0030	EA 1,116 KW, 3,906 MBH Electric Steam Boiler With Packaged Standard Controls	72,773.07	3,584.64
23 52 13 00-0031	EA 1,224 KW, 4,284 MBH Electric Steam Boiler With Packaged Standard Controls	74,660.97	3,704.12
23 52 13 00-0032	EA 1,368 KW, 4,788 MBH Electric Steam Boiler With Packaged Standard Controls	77,138.34	3,943.09
23 52 13 00-0033	EA 1,440 KW, 5,040 MBH Electric Steam Boiler With Packaged Standard Controls	79,777.68	4,182.08
23 52 13 00-0034	EA 1,512 KW, 5,292 MBH Electric Steam Boiler With Packaged Standard Controls	87,132.78	4,421.05
23 52 13 00-0035	EA 1,620 KW, 5,670 MBH Electric Steam Boiler With Packaged Standard Controls	91,856.51	4,660.02

23 52 13 00-0036 Packaged Electric Hot Water Boiler (23 52 13)

Note: Flush jacketed steel shell. Includes burners, and safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.). Rated by KW and MBH gross rated output.

23 52 13 00-0037	EA 9 KW, 31 MBH, Electric Hot Boiler With Packaged Standard Controls	7,706.47	629.63
23 52 13 00-0038	EA 12 KW, 41 MBH, Electric Hot Boiler With Packaged Standard Controls	8,113.23	686.87
23 52 13 00-0039	EA 18 KW, 61 MBH, Electric Hot Boiler With Packaged Standard Controls	8,519.99	744.11
23 52 13 00-0040	EA 24 KW, 82 MBH, Electric Hot Boiler With Packaged Standard Controls	8,917.15	801.35
23 52 13 00-0041	EA 36 KW, 123 MBH, Electric Hot Boiler With Packaged Standard Controls	9,377.37	858.59
23 52 13 00-0042	EA 48 KW, 164 MBH, Electric Hot Boiler With Packaged Standard Controls	9,712.95	915.83
23 52 13 00-0043	EA 60 KW, 205 MBH Electric Hot Boiler With Packaged Standard Controls	10,119.71	973.07
23 52 13 00-0044	EA 72 KW, 246 MBH Electric Hot Boiler With Packaged Standard Controls	10,729.85	1,030.31
23 52 13 00-0045	EA 84 KW, 287 MBH Electric Hot Boiler With Packaged Standard Controls	11,273.55	1,087.55
23 52 13 00-0046	EA 90 KW, 307 MBH Electric Hot Boiler With Packaged Standard Controls	11,598.96	1,144.79
23 52 13 00-0047	EA 105 KW, 358 MBH Electric Hot Boiler With Packaged Standard Controls	12,458.89	1,202.03
23 52 13 00-0048	EA 120 KW, 409 MBH Electric Hot Boiler With Packaged Standard Controls	13,272.65	1,259.27
23 52 13 00-0049	EA 135 KW, 461 MBH Electric Hot Boiler With Packaged Standard Controls	14,747.54	1,316.51
23 52 13 00-0050	EA 150 KW, 512 MBH Electric Hot Boiler With Packaged Standard Controls	15,717.88	1,373.75
23 52 13 00-0051	EA 165 KW, 563 MBH Electric Hot Boiler With Packaged Standard Controls	16,527.74	1,430.98
23 52 13 00-0052	EA 180 KW, 614 MBH Electric Hot Boiler With Packaged Standard Controls	17,927.28	1,488.22
23 52 13 00-0053	EA 195 KW, 665 MBH Electric Hot Boiler With Packaged Standard Controls	19,542.37	1,613.08
23 52 13 00-0054	EA 225 KW, 768 MBH Electric Hot Boiler With Packaged Standard Controls	21,004.16	1,732.57

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 13 00-0055	EA	240 KW, 819 MBH Electric Hot Boiler With Packaged Standard Controls.....	22,595.61	1,852.07
23 52 13 00-0056	EA	270 KW, 921 MBH Electric Hot Boiler With Packaged Standard Controls.....	24,176.89	2,031.29
23 52 13 00-0057	EA	300 KW, 1,024 MBH Electric Hot Boiler With Packaged Standard Controls.....	25,768.35	2,150.78
23 52 13 00-0058	EA	330 KW, 1,126 MBH Electric Hot Boiler With Packaged Standard Controls.....	27,254.30	2,270.27
23 52 13 00-0059	EA	360 KW, 1,228 MBH Electric Hot Boiler With Packaged Standard Controls.....	29,337.69	2,330.01
23 52 13 00-0060	EA	390 KW, 1,331 MBH Electric Hot Boiler With Packaged Standard Controls.....	31,262.19	2,389.76
23 52 13 00-0061	EA	420 KW, 1,433 MBH Electric Hot Boiler With Packaged Standard Controls.....	33,105.32	2,509.25
23 52 13 00-0062	EA	450 KW, 1,535 MBH Electric Hot Boiler With Packaged Standard Controls.....	35,039.56	2,509.25
23 52 13 00-0063	EA	504 KW, 1,720 MBH Electric Hot Boiler With Packaged Standard Controls.....	38,383.48	2,568.98
23 52 13 00-0064	EA	612 KW, 2,088 MBH Electric Hot Boiler With Packaged Standard Controls.....	40,161.85	2,628.73
23 52 13 00-0065	EA	684 KW, 2,334 MBH Electric Hot Boiler With Packaged Standard Controls.....	42,404.90	2,748.22
23 52 13 00-0066	EA	720 KW, 2,457 MBH Electric Hot Boiler With Packaged Standard Controls.....	44,100.58	2,807.97
23 52 13 00-0067	EA	750 KW, 2,559 MBH Electric Hot Boiler With Packaged Standard Controls.....	45,802.36	2,867.71
23 52 13 00-0068	EA	810 KW, 2,764 MBH Electric Hot Boiler With Packaged Standard Controls.....	47,077.35	3,046.94
23 52 13 00-0069	EA	900 KW, 3,071 MBH Electric Hot Boiler With Packaged Standard Controls.....	49,382.99	3,226.18
23 52 13 00-0070	EA	1,020 KW, 3,480 MBH Electric Hot Boiler With Packaged Standard Controls.....	57,461.52	3,405.40
23 52 13 00-0071	EA	1,110 KW, 3,787 MBH Electric Hot Boiler With Packaged Standard Controls.....	63,041.87	3,584.64
23 52 13 00-0072	EA	1,200 KW, 4,094 MBH Electric Hot Boiler With Packaged Standard Controls.....	65,486.02	3,704.12
23 52 13 00-0073	EA	1,350 KW, 4,606 MBH Electric Hot Boiler With Packaged Standard Controls.....	68,207.51	3,943.09
23 52 13 00-0074	EA	1,440 KW, 4,913 MBH Electric Hot Boiler With Packaged Standard Controls.....	70,928.99	4,182.08
23 52 13 00-0075	EA	1,560 KW, 5,323 MBH Electric Hot Boiler With Packaged Standard Controls.....	78,609.13	4,421.05
23 52 13 00-0076	EA	1,680 KW, 5,732 MBH Electric Hot Boiler With Packaged Standard Controls.....	83,561.44	4,660.02
23 52 13 00-0077	EA	1,740 KW, 5,937 MBH Electric Hot Boiler With Packaged Standard Controls.....	85,672.78	4,779.51
23 52 13 00-0078	EA	1,800 KW, 6,142 MBH Electric Hot Boiler With Packaged Standard Controls.....	87,784.13	4,899.01
23 52 13 00-0079	EA	1,980 KW, 6,756 MBH Electric Hot Boiler With Packaged Standard Controls.....	88,262.07	5,078.23
23 52 13 00-0080	EA	2,100 KW, 7,165 MBH Electric Hot Boiler With Packaged Standard Controls.....	94,757.53	5,197.72
23 52 13 00-0081	EA	2,220 KW, 7,575 MBH Electric Hot Boiler With Packaged Standard Controls.....	99,099.71	5,376.95
23 52 13 00-0082	EA	2,600 KW, 8,871 MBH Electric Hot Boiler With Packaged Standard Controls.....	106,395.98	5,735.42
23 52 13 00-0083	EA	2,960 KW, 10,100 MBH Electric Hot Boiler With Packaged Standard Controls.....	114,665.97	6,332.86
23 52 13 00-0084	EA	3,240 KW, 11,055 MBH Electric Hot Boiler With Packaged Standard Controls.....	124,179.12	7,049.78
23 52 13 00-0085	EA	3,360 KW, 11,464 MBH Electric Hot Boiler With Packaged Standard Controls.....	131,475.39	7,766.71
23 52 16 Condensing Boilers (23 52)				
23 52 16 13 Stainless-Steel Condensing Boilers (23 52 16)				
23 52 16 13-0001 Hamilton Evo Series Stainless Steel Condensing Boilers (23 52 16 13)				
Note: Includes circulating pump, mounting rack, disconnect panel, plumbing and gas manifold, manual reset high limit and LWCO (Cal Code). Rated by gross rated output.				
23 52 16 13-0002	EA	75 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW79).....	12,522.32	457.92
23 52 16 13-0003	EA	127 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW129).....	13,256.83	609.95
23 52 16 13-0004	EA	168 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW179).....	14,142.34	686.76
23 52 16 13-0005	EA	187 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW199.1).....	14,991.26	724.99
23 52 16 13-0006	EA	281 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW299).....	19,771.54	839.47
23 52 16 13-0007	EA	374 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW399).....	22,877.86	915.72
23 52 16 13-0008	EA	589 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW599).....	30,883.69	1,068.32
23 52 16 13-0009	EA	785 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW798).....	42,897.13	1,221.04
Note: Includes vent manifold.				
23 52 16 13-0010	EA	980 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW998).....	52,438.57	1,335.51
Note: Includes vent manifold.				
23 52 16 13-0011	EA	1,425 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW1499).....	75,661.03	1,564.35
23 52 16 13-0012	EA	1,900 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW1999).....	83,372.73	1,678.83
23 52 16 13-0013 Buderus SB615 Stainless Steel Condensing Boilers (23 52 16 13)				
Note: Includes Riello burners. Rated by gross rated output.				
23 52 16 13-0014	EA	484 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/145).....	38,935.56	992.08
23 52 16 13-0015	EA	612 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/185).....	40,809.86	1,068.32
23 52 16 13-0016	EA	791 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/240).....	45,537.78	1,221.04
23 52 16 13-0017	EA	1,022 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/310).....	49,286.38	1,373.63
23 52 16 13-0018	EA	1,317 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/400).....	54,748.64	1,488.11
23 52 16 13-0019	EA	1,459 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/510).....	62,593.58	1,564.35
23 52 16 13-0020	EA	2,104 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/640).....	74,958.64	1,678.83
23 52 16 13-0021 Buderus SB735 Stainless Steel Condensing Boilers (23 52 16 13)				
Note: Includes Riello burners. Rated by gross rated output.				
23 52 16 13-0022	EA	2,650 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/790).....	77,984.37	1,831.44
23 52 16 13-0023	EA	3,251 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/970).....	90,294.90	1,907.79
23 52 16 13-0024	EA	4,079 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/1200).....	104,628.78	1,984.15
23 52 16 13-0025 Laars Neotherm Stainless Steel Condensing Boiler (23 52 16 13)				
Note: Compliant with SCAQMD. Rated by gross rated input.				
23 52 16 13-0026	EA	80 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH080).....	8,780.36	496.03
23 52 16 13-0027	EA	105 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH105).....	10,022.59	572.39
23 52 16 13-0028	EA	150 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH150).....	11,226.77	686.76
23 52 16 13-0029	EA	210 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH210).....	12,503.25	763.12
23 52 16 13-0030	EA	285 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH285).....	15,737.92	839.47
23 52 16 13-0031	EA	399 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH399).....	20,572.99	915.72
23 52 16 13-0032	EA	500 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH500).....	24,723.57	992.08
23 52 16 13-0033	EA	600 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH600).....	27,448.10	1,068.32
23 52 16 13-0034	EA	750 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH750).....	29,816.11	1,144.68
23 52 16 13-0035	EA	850 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH850).....	32,413.09	1,297.27
23 52 16 13-0036	EA	1,000 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH1000).....	46,157.29	1,373.63

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR				TOTAL DIRECT		DEMOLITION
CSI UOM DESCRIPTION				UNIT COST		UNIT COST
23 52 16 13-0037	EA	1,700 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH1700).....	61,377.08		1,602.59	
23 52 16 13-0038		AERCO Benchmark Stainless-Steel Condensing Boilers (23 52 16 13)				
Note: Rated by gross rated output.						
23 52 16 13-0039	EA	1,500 MBH Water, 120 Volt, 1 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK1.5LN)	49,954.47		1,564.35	
Note: Includes gas PRV and pump delay relay.						
23 52 16 13-0040	EA	2,000 MBH Water, 120 Volt, 1 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK2.0LN)	59,273.83		1,678.83	
Note: Includes gas PRV and pump delay relay.						
23 52 16 13-0041	EA	3,000 MBH Water, 220 Volt, 1 Phase, 230 Volt, 3 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK3000).....	85,207.18		1,869.67	
Note: Includes gas PRV and pump delay relay.						
23 52 16 13-0042	EA	3,000 MBH Water, 480 Volt, 3 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK3000).....	90,781.94		1,869.67	
Note: Includes gas PRV and pump delay relay.						
23 52 16 13-0043		Lochinvar Knight Stainless Steel Condensing Boilers (23 52 16 13)				
Note: Rated by gross rated output.						
23 52 16 13-0044	EA	184 MBH 95% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight KBN211)	12,171.79		686.76	
23 52 16 13-0045	EA	264 MBH 95% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight KHB285N)	15,750.78		763.12	
23 52 16 13-0046		Lochinvar Knight XL Stainless Steel Condensing Boilers (23 52 16 13)				
Note: Rated by gross rated output.						
23 52 16 13-0047	EA	387 MBH 97% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBX0400N).....	17,887.54		877.60	
23 52 16 13-0048	EA	485 MBH 97% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBX0500N).....	22,302.23		915.72	
23 52 16 13-0049	EA	631 MBH 97% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBX0650N).....	27,371.82		992.08	
23 52 16 13-0050	EA	776 MBH 97% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBX0800N).....	32,825.28		1,030.20	
23 52 16 13-0051	EA	969 MBH 97% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBX1000N).....	40,141.65		1,106.56	
23 52 16 13-0052		Lochinvar Crest Stainless Steel Condensing Boilers (23 52 16 13)				
Note: Rated by gross rated output.						
23 52 16 13-0053	EA	1,203 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN1251)	50,879.47		1,297.04	
23 52 16 13-0054	EA	1,443 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN1501)	52,511.26		1,488.11	
23 52 16 13-0055	EA	1,684 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN1751)	57,567.75		1,583.24	
23 52 16 13-0056	EA	1,923 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN2001)	62,624.24		1,678.83	
23 52 16 13-0057	EA	2,400 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN2501)	73,482.05		1,755.19	
23 52 16 13-0058	EA	2,883 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN3001)	81,416.06		1,831.44	
23 52 16 13-0059	EA	3,364 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN3501)	100,048.09		1,907.79	
23 52 16 13-0060	EA	3,843 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN4001)	110,549.10		1,984.04	
23 52 16 13-0061	EA	4,804 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN5001)	135,648.68		2,060.28	
23 52 16 13-0062		Patterson Kelley Stainless Steel Condensing Boilers (23 52 16 13)				
23 52 16 13-0063		Patterson Kelley Stainless Steel Condensing Boilers, SOLIS® Series (23 52 16 13-0062)				
23 52 16 13-0064	EA	1,500 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Patterson-Kelley SOLIS® SL-1500)	47,473.29		1,564.35	
23 52 16 13-0065	EA	3,000 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Patterson-Kelley SOLIS® SL-3000)	72,960.53		1,869.67	
23 52 16 13-0066		Patterson Kelley Stainless Steel Condensing Boilers, SONIC® Series (23 52 16 13-0062)				
23 52 16 13-0067	EA	650 MBH 97% Efficient, Gas Fired, Dual Fuel, Stainless Steel Condensing Boiler (Patterson-Kelley SONIC® SC-650 SCD-650).....	24,758.66		1,106.56	
23 52 16 13-0068	EA	1,000 MBH 97% Efficient, Gas Fired, Dual Fuel, Stainless Steel Condensing Boiler (Patterson-Kelley SONIC® SC-1000 SCD-1000).....	29,769.47		1,373.63	
23 52 16 13-0069	EA	2,000 MBH 97% Efficient, Gas Fired, Dual Fuel, Stainless Steel Condensing Boiler (Patterson-Kelley SONIC® SC-2000)	50,459.88		1,678.83	
23 52 16 13-0070	EA	4,000 MBH 97% Efficient, Gas Fired, Dual Fuel, Stainless Steel Condensing Boiler (Patterson-Kelley SONIC® SC-4000)	86,617.53		1,984.15	
23 52 16 13-0071		Patterson Kelley Stainless Steel Condensing Boilers, STORM® Series (23 52 16 13-0062)				
23 52 16 13-0072	EA	1,250 MBH 97% Efficient, Gas Fired, Stainless Steel Condensing Boiler (Patterson-Kelley STORM® ST1250)	36,263.63		1,449.87	
23 52 16 13-0073	EA	2,000 MBH 97% Efficient, Gas Fired, Stainless Steel Condensing Boiler (Patterson-Kelley STORM® ST2000)	59,661.91		1,678.83	
23 52 16 13-0074	EA	4,000 MBH 97% Efficient, Gas Fired, Stainless Steel Condensing Boiler (Patterson-Kelley STORM® ST4000)	88,575.41		1,984.15	
23 52 16 16		Aluminum Condensing Boilers (23 52 16)				
23 52 16 16-0001		Weil McLain Aluminum Condensing Boilers (23 52 16 16)				
Note: Rated by gross rated output.						
23 52 16 16-0002	EA	80 MBH Water, Gas Fired, Condensing Boiler (Weil McLain Ultra 80)	8,126.33		496.03	
Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.						
23 52 16 16-0003	EA	105 MBH Water, Gas Fired, Condensing Boiler (Weil McLain Ultra 105)	8,959.67		572.39	
Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.						

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 16 16-0004	EA	155 MBH Water, Gas Fired, Condensing Boiler (Weil McLain Ultra 155)..... Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.	10,108.95	686.76
23 52 16 16-0005	EA	230 MBH Water, Gas Fired, Condensing Boiler (Weil McLain Ultra 230)..... Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.	11,345.21	763.12
23 52 16 16-0006	EA	310 MBH Water, Gas Fired, Condensing Boiler (Weil McLain Ultra 310)..... Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.	14,710.54	877.60
23 52 16 16-0007 Patterson Kelley Mach Series Aluminum Condensing Boilers (23 52 16 16)				
Note: Rated by gross rated output.				
23 52 16 16-0008	EA	300 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach CM300).....	19,992.04	839.47
23 52 16 16-0009	EA	450 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C450).....	22,489.85	953.95
23 52 16 16-0010	EA	750 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C750).....	25,476.16	1,144.68
23 52 16 16-0011	EA	900 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C900).....	37,732.41	1,297.27
23 52 16 16-0012	EA	1,050 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C1050).....	39,416.86	1,373.63
23 52 16 16-0013	EA	1,500 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C1500).....	61,138.18	1,564.35
23 52 16 16-0014	EA	2,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C2000).....	66,204.31	1,678.83
23 52 16 16-0015	EA	2,500 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C2500).....	81,379.38	1,831.44
23 52 16 16-0016	EA	3,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C3000).....	94,476.11	1,869.67
23 52 16 16-0017	EA	4,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C4000).....	107,504.24	1,984.15
23 52 16 16-0018 Buderus GB142 Wall Hung Aluminum Condensing Boilers (23 52 16 16)				
Note: Includes standard controls. Rated by gross rated output.				
23 52 16 16-0019	EA	75 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/24)..... Note: Includes an aluminum heat exchanger and three speed circulating pump.	5,510.39	457.92
23 52 16 16-0020	EA	95 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/30)..... Note: Includes an aluminum heat exchanger and three speed circulating pump.	6,401.28	534.16
23 52 16 16-0021	EA	143 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/45)..... Note: Includes an aluminum heat exchanger and three speed circulating pump.	7,404.48	648.64
23 52 16 16-0022	EA	193 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/60)..... Note: Includes an aluminum heat exchanger and three speed circulating pump.	8,116.15	724.99
23 52 16 16-0023	EA	Optional Vertical Or Horizontal 3" Concentric Termination Kit For GB142 (Buderus 60L46).....	350.35	114.48
23 52 16 16-0024	EA	Optional Stainless Steel Concentric Hood For GB142 (Buderus SJT3).....	451.26	114.48
23 52 16 16-0025	EA	Optional GB Floor Stand For GB142 (Buderus 7098265).....	936.82	114.48
23 52 16 16-0026 Buderus GB162 Wall Hung Aluminum Condensing Boilers (23 52 16 16)				
Note: Includes standard controls. Rated by gross rated output.				
23 52 16 16-0027	EA	290 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB162/80)..... Note: Includes an aluminum heat exchanger, connection pump module, low loss header, outdoor reset module, outdoor temperature sensor, and 1-1/2" unions.	9,189.13	839.47
23 52 16 16-0028	EA	333 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB162/100)..... Note: Includes an aluminum heat exchanger, connection pump module, low loss header, outdoor reset module, outdoor temperature sensor, and 1-1/2" unions.	11,220.44	877.60
23 52 16 16-0029	EA	580 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Two Boilers) (Buderus GB162/80-TL2)..... Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	21,179.12	1,030.20
23 52 16 16-0030	EA	580 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Two Boilers) (Buderus GB162/80-TR2)..... Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	19,841.85	1,030.20
23 52 16 16-0031	EA	666 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Two Boilers) (Buderus GB162/100-TL2)..... Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	25,241.75	1,106.56
23 52 16 16-0032	EA	666 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Two Boilers) (Buderus GB162/100-TR2)..... Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	23,904.47	1,106.56
23 52 16 16-0033	EA	870 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Three Boilers) (Buderus GB162/80-TL3)..... Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	29,354.66	1,297.27
23 52 16 16-0034	EA	999 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Three Boilers) (Buderus GB162/100-TL3)..... Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	35,334.14	1,373.63
23 52 16 16-0035	EA	1,160 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Four Boilers) (Buderus GB162/80-TL4)..... Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	36,346.73	1,449.87
23 52 16 16-0036	EA	1,160 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Four Boilers) (Buderus GB162/80-TR4)..... Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	36,882.32	1,449.87

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 52 16 16-0037	EA	1,332 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Four Boilers) (Buderus GB162/100-TL4) Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	44,128.57	1,488.11
23 52 16 16-0038	EA	1,332 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Four Boilers) (Buderus GB162/100-TR4) Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	44,664.15	1,488.11
23 52 16 16-0039	EA	EMS Control Module For Condensing Boiler (Buderus RC35)	765.36	114.48

23 52 16 16-0040 Buderus GB312 Aluminum Condensing Boilers (23 52 16 16)

Note: Includes standard controls. Rated by gross rated output.

23 52 16 16-0041	EA	305 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/90)..... Note: Includes an aluminum heat exchanger.	12,890.36	839.47
23 52 16 16-0042	EA	409 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/120)..... Note: Includes an aluminum heat exchanger.	14,983.80	915.72
23 52 16 16-0043	EA	544 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/160)..... Note: Includes an aluminum heat exchanger.	18,669.78	1,011.08
23 52 16 16-0044	EA	676 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/200)..... Note: Includes an aluminum heat exchanger.	21,419.04	1,106.56
23 52 16 16-0045	EA	810 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/240)..... Note: Includes an aluminum heat exchanger.	25,545.05	1,221.04
23 52 16 16-0046	EA	944 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/280)..... Note: Includes an aluminum heat exchanger.	28,197.62	1,335.51
23 52 16 16-0047	EA	Optional CSD-1 Kit Consisting Of High And Low Gas Pressure Switches For GB312 (Buderus 7747019985).....	498.39	57.24
23 52 16 16-0048	EA	Optional L4006E1125 Manual Reset Aquastat For GB312 (Buderus L4006E1125).....	275.36	57.24
23 52 16 16-0049	EA	Optional Hydrolevel 550 low Water Cut-Off For GB312 (Buderus 550)	387.97	57.24
23 52 16 16-0050	EA	Optional Condensate Neutralization Tank For GB312 (Buderus 63035899)	806.25	57.24

23 52 16 19 Copper Water-Tube Condensing Boilers (23 52 16)**23 52 16 19-0001 Laars Rheos+ Copper Fin Tube Condensing Boilers (23 52 16 19)**

Note: Rated by gross rated output.

23 52 16 19-0002	EA	1,200 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+).....	45,661.73	1,449.87
23 52 16 19-0003	EA	1,600 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+).....	51,481.71	1,602.59
23 52 16 19-0004	EA	2,000 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+).....	56,328.75	1,678.83
23 52 16 19-0005	EA	2,400 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+).....	60,781.53	1,755.19

23 52 16 23 Cast Iron Condensing Boilers (23 52 16)**23 52 16 23-0001 Hydrotherm KN Cast Iron Condensing Boilers (23 52 16 23)**

Note: Rated by gross rated output.

23 52 16 23-0002	EA	199 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-2).....	16,092.92	724.99
23 52 16 23-0003	EA	399 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-4).....	23,542.36	915.72
23 52 16 23-0004	EA	600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-6).....	38,662.09	1,068.32
23 52 16 23-0005	EA	1,000 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-10).....	50,745.56	1,373.63
23 52 16 23-0006	EA	1,600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-16).....	67,625.12	1,602.59
23 52 16 23-0007	EA	1,999 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-20).....	73,759.81	1,678.83
23 52 16 23-0008	EA	2,600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-26).....	93,845.75	1,831.44
23 52 16 23-0009	EA	3,000 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-30).....	102,563.68	1,869.67

23 52 23 Cast-Iron Boilers (23 52)**23 52 23 00-0001 Weil-McLain Model 80 Cast Iron Boiler (23 52 23)**

Note: Capacities are the net AHRI ratings for steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.

23 52 23 00-0002 Gas Fired Weil-McLain Model 80 Cast Iron Boiler (23 52 23 00-0001)

Note: Field assembled boilers can only be used in situations where package units cannot be installed.

23 52 23 00-0003	EA	209 MBH Steam, 242 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 380)..... Note: Includes field assembly of individual sections and testing.	17,909.68	3,587.89
23 52 23 00-0004	EA	297 MBH Steam, 344 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 480)..... Note: Includes field assembly of individual sections and testing.	19,545.69	3,827.09
23 52 23 00-0005	EA	386 MBH Steam, 448 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 580)..... Note: Includes field assembly of individual sections and testing.	21,333.22	4,066.28
23 52 23 00-0006	EA	476 MBH Steam, 551 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 680)..... Note: Includes field assembly of individual sections and testing.	22,997.85	4,305.47
23 52 23 00-0007	EA	565 MBH Steam, 655 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 780)..... Note: Includes field assembly of individual sections and testing.	24,537.70	4,544.66
23 52 23 00-0008	EA	654 MBH Steam, 758 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 880)..... Note: Includes field assembly of individual sections and testing.	26,633.41	4,783.85
23 52 23 00-0009	EA	743 MBH Steam, 862 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 980)..... Note: Includes field assembly of individual sections and testing.	28,260.62	5,023.04
23 52 23 00-0010	EA	833 MBH Steam, 965 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1080)..... Note: Includes field assembly of individual sections and testing.	29,559.30	5,262.24
23 52 23 00-0011	EA	922 MBH Steam, 1,069 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1180)..... Note: Includes field assembly of individual sections and testing.	30,853.32	5,501.44
23 52 23 00-0012	EA	1,018 MBH Steam, 1,172 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1280)..... Note: Includes field assembly of individual sections and testing.	32,342.41	5,740.63

23 52 23 00-0013 Gas Fired Package Weil-McLain Model 80 Cast Iron Boiler (23 52 23 00-0001)

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0014	EA	209 MBH Steam, 242 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 380)..... Note: Fire tested factory assembled package unit.	12,301.76	477.96
23 52 23 00-0015	EA	297 MBH Steam, 344 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 480)..... Note: Fire tested factory assembled package unit.	13,668.71	477.96
23 52 23 00-0016	EA	386 MBH Steam, 448 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 580)..... Note: Fire tested factory assembled package unit.	15,667.70	597.44
23 52 23 00-0017	EA	476 MBH Steam, 551 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 680)..... Note: Fire tested factory assembled package unit.	17,061.51	597.44
23 52 23 00-0018	EA	565 MBH Steam, 655 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 780)..... Note: Fire tested factory assembled package unit.	18,813.12	716.93
23 52 23 00-0019	EA	654 MBH Steam, 758 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 880)..... Note: Fire tested factory assembled package unit.	20,656.45	716.93
23 52 23 00-0020	EA	743 MBH Steam, 862 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 980)..... Note: Fire tested factory assembled package unit.	22,492.88	836.42
23 52 23 00-0021	EA	836 MBH Steam, 965 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1080)..... Note: Fire tested factory assembled package unit.	24,001.34	955.90
23 52 23 00-0022	EA	922 MBH Steam, 1,069 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1180)..... Note: Fire tested factory assembled package unit.	25,029.02	955.90
23 52 23 00-0023	EA	1018 MBH Steam, 1172 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1280)..... Note: Fire tested factory assembled package unit.	26,725.50	1,075.39
23 52 23 00-0024 Gas/Oil Fired Weil-McLain Model 80 Cast Iron Boiler (23 52 23 00-0001)				
Note: Field assembled boilers can only be used in situations where package units cannot be installed.				
23 52 23 00-0025	EA	209 MBH Steam, 242 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 380) Note: Includes field assembly of individual sections and testing.	18,708.36	3,587.89
23 52 23 00-0026	EA	297 MBH Steam, 344 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	20,487.15	3,827.09
23 52 23 00-0027	EA	386 MBH Steam, 448 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	22,188.45	4,066.28
23 52 23 00-0028	EA	476 MBH Steam, 551 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	24,084.91	4,305.47
23 52 23 00-0029	EA	565 MBH Steam, 655 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	25,654.44	4,544.66
23 52 23 00-0030	EA	654 MBH Steam, 758 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	27,931.10	4,783.85
23 52 23 00-0031	EA	743 MBH Steam, 862 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	29,374.54	5,023.04
23 52 23 00-0032	EA	833 MBH Steam, 965 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	30,779.24	5,262.24
23 52 23 00-0033	EA	922 MBH Steam, 1069 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	32,074.67	5,501.44
23 52 23 00-0034	EA	1,018 MBH Steam, 1172 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	33,601.93	5,740.63
23 52 23 00-0035 Gas/Oil Fired Package Weil-McLain Model 80 Cast Iron Boiler (23 52 23 00-0001)				
23 52 23 00-0036	EA	209 MBH Steam, 242 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 380) Note: Fire tested factory assembled package cast iron unit.	13,100.44	477.96
23 52 23 00-0037	EA	297 MBH Steam, 344 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 480) Note: Fire tested factory assembled package cast iron unit.	14,610.17	477.96
23 52 23 00-0038	EA	386 MBH Steam, 448 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 580) Note: Fire tested factory assembled package cast iron unit.	16,522.93	597.44
23 52 23 00-0039	EA	476 MBH Steam, 551 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 680) Note: Fire tested factory assembled package cast iron unit.	18,148.57	597.44
23 52 23 00-0040	EA	565 MBH Steam, 655 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 780) Note: Fire tested factory assembled package cast iron unit.	19,929.86	716.93
23 52 23 00-0041	EA	654 MBH Steam, 758 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 880) Note: Fire tested factory assembled package cast iron unit.	21,954.14	716.93
23 52 23 00-0042	EA	743 MBH Steam, 862 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 980) Note: Fire tested factory assembled package cast iron unit.	23,606.80	836.42
23 52 23 00-0043	EA	833 MBH Steam, 965 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1080) Note: Fire tested factory assembled package cast iron unit.	25,221.27	955.90
23 52 23 00-0044	EA	922 MBH Steam, 1,069 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1180) Note: Fire tested factory assembled package cast iron unit.	26,250.37	955.90
23 52 23 00-0045	EA	1,018 MBH Steam, 1,172 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1280) Note: Fire tested factory assembled package cast iron unit.	27,985.01	1,075.39
23 52 23 00-0046 Weil-McLain Model 88 Cast Iron Boiler (23 52 23)				
Note: Capacities are the net AHRI ratings for steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.				
23 52 23 00-0047 Gas Fired Weil-McLain Model 88 Cast Iron Boiler (23 52 23 00-0046)				
Note: Field assembled boilers can only be used in situations where package units cannot be installed.				
23 52 23 00-0048	EA	629 MBH Steam, 730 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 488)..... Note: Includes field assembly of individual sections and testing.	28,913.22	5,381.84
23 52 23 00-0049	EA	845 MBH Steam, 979 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 588)..... Note: Includes field assembly of individual sections and testing.	31,873.77	5,710.73
23 52 23 00-0050	EA	1072 MBH Steam, 1229 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 688)..... Note: Includes field assembly of individual sections and testing.	35,527.08	6,039.62
23 52 23 00-0051	EA	1,311 MBH Steam, 1,478 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 788)..... Note: Includes field assembly of individual sections and testing.	38,751.55	6,368.51
23 52 23 00-0052	EA	1,543 MBH Steam, 1,728 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 888)..... Note: Includes field assembly of individual sections and testing.	41,561.34	6,697.39
23 52 23 00-0053	EA	1,766 MBH Steam, 1,977 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 988)..... Note: Includes field assembly of individual sections and testing.	45,612.09	7,026.28
23 52 23 00-0054	EA	1,988 MBH Steam, 2,227 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1088)..... Note: Includes field assembly of individual sections and testing.	48,447.83	7,355.17

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
23 52 23 00-0055	EA	2,211 MBH Steam, 2,477 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1188)..... Note: Includes field assembly of individual sections and testing.	50,962.03	7,684.06	
23 52 23 00-0056	EA	2,434 MBH Steam, 2,726 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1288)..... Note: Includes field assembly of individual sections and testing.	54,302.74	8,012.95	
23 52 23 00-0057	EA	2,657 MBH Steam, 2,976 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1388)..... Note: Includes field assembly of individual sections and testing.	56,998.99	8,341.84	
23 52 23 00-0058	EA	2,880 MBH Steam, 3,225 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1488)..... Note: Includes field assembly of individual sections and testing.	61,522.78	8,670.73	
23 52 23 00-0059	EA	3,102 MBH Steam, 3,475 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1588)..... Note: Includes field assembly of individual sections and testing.	64,090.54	8,999.62	
23 52 23 00-0060	EA	3,325 MBH Steam, 3,724 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1688)..... Note: Includes field assembly of individual sections and testing.	66,811.11	9,328.51	
23 52 23 00-0061	EA	3,548 MBH Steam, 3,974 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1788)..... Note: Includes field assembly of individual sections and testing.	69,837.24	9,657.40	
23 52 23 00-0062	EA	3,771 MBH Steam, 4,223 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1888)..... Note: Includes field assembly of individual sections and testing.	72,308.09	9,986.29	
23 52 23 00-0063 Gas Fired Package Weil-McLain Model 88 Cast Iron Boiler (23 52 23 00-0046)					
23 52 23 00-0064	EA	629 MBH Steam, 730 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 488)..... Note: Fire tested factory assembled package unit.	22,512.67	836.42	
23 52 23 00-0065	EA	845 MBH Steam, 979 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 588)..... Note: Fire tested factory assembled package unit.	25,535.09	955.90	
23 52 23 00-0066	EA	1,072 MBH Steam, 1,229 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 688)..... Note: Fire tested factory assembled package unit.	29,267.15	1,075.39	
23 52 23 00-0067	EA	1,311 MBH Steam, 1,478 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 788)..... Note: Fire tested factory assembled package unit.	32,539.79	1,194.88	
23 52 23 00-0068	EA	1,543 MBH Steam, 1,728 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 888)..... Note: Fire tested factory assembled package unit.	34,931.60	1,194.88	
23 52 23 00-0069	EA	1,766 MBH Steam, 1,977 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 988)..... Note: Fire tested factory assembled package unit.	39,048.14	1,314.36	
23 52 23 00-0070	EA	1,988 MBH Steam, 2,227 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1088)..... Note: Fire tested factory assembled package unit.	41,469.64	1,314.36	
23 52 23 00-0071	EA	2,211 MBH Steam, 2,477 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1188)..... Note: Fire tested factory assembled package unit.	44,045.39	1,433.86	
23 52 23 00-0072	EA	2,434 MBH Steam, 2,726 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1288)..... Note: Fire tested factory assembled package unit.	46,972.96	1,433.86	
23 52 23 00-0073	EA	2,657 MBH Steam, 2,976 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1388)..... Note: Fire tested factory assembled package unit.	49,731.08	1,553.34	
23 52 23 00-0074	EA	2,880 MBH Steam, 3,225 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1488)..... Note: Fire tested factory assembled package unit.	52,402.92	1,672.83	
23 52 23 00-0075	EA	3,102 MBH Steam, 3,475 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1588)..... Note: Fire tested factory assembled package unit.	54,557.25	1,672.83	
23 52 23 00-0076	EA	3,325 MBH Steam, 3,724 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1688)..... Note: Fire tested factory assembled package unit.	57,340.76	1,792.32	
23 52 23 00-0077	EA	3,548 MBH Steam, 3,974 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1788)..... Note: Fire tested factory assembled package unit.	59,951.68	1,792.32	
23 52 23 00-0078	EA	3,771 MBH Steam, 4,223 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1888)..... Note: Fire tested factory assembled package unit.	62,514.64	1,911.80	
23 52 23 00-0079 Gas/Oil Fired Weil-McLain Model 88 Cast Iron Boiler (23 52 23 00-0046)					
Note: Field assembled boilers can only be used in situations where package units cannot be installed.					
23 52 23 00-0080	EA	629 MBH Steam, 730 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 488)..... Note: Includes field assembly of individual sections and testing.	29,897.08	5,381.84	
23 52 23 00-0081	EA	845 MBH Steam, 979 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 588)..... Note: Includes field assembly of individual sections and testing.	32,851.98	5,710.73	
23 52 23 00-0082	EA	1,072 MBH Steam, 1,229 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 688)..... Note: Includes field assembly of individual sections and testing.	36,759.74	6,039.62	
23 52 23 00-0083	EA	1,311 MBH Steam, 1,478 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 788)..... Note: Includes field assembly of individual sections and testing.	40,108.60	6,368.51	
23 52 23 00-0084	EA	1,543 MBH Steam, 1,728 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 888)..... Note: Includes field assembly of individual sections and testing.	42,779.87	6,697.39	
23 52 23 00-0085	EA	1,766 MBH Steam, 1,977 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 988)..... Note: Includes field assembly of individual sections and testing.	46,754.28	7,026.28	
23 52 23 00-0086	EA	1,988 MBH Steam, 2,227 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1088)..... Note: Includes field assembly of individual sections and testing.	50,162.53	7,355.17	
23 52 23 00-0087	EA	2,211 MBH Steam, 2,477 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1188)..... Note: Includes field assembly of individual sections and testing.	52,676.73	7,684.06	
23 52 23 00-0088	EA	2,434 MBH Steam, 2,726 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1288)..... Note: Includes field assembly of individual sections and testing.	55,983.51	8,012.95	
23 52 23 00-0089	EA	2,657 MBH Steam, 2,976 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1388)..... Note: Includes field assembly of individual sections and testing.	59,402.11	8,341.84	
23 52 23 00-0090	EA	2,880 MBH Steam, 3,225 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1488)..... Note: Includes field assembly of individual sections and testing.	64,047.47	8,670.73	
23 52 23 00-0091	EA	3,102 MBH Steam, 3,475 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1588)..... Note: Includes field assembly of individual sections and testing.	67,464.80	8,999.62	
23 52 23 00-0092	EA	3,325 MBH Steam, 3,724 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1688)..... Note: Includes field assembly of individual sections and testing.	69,334.39	9,328.51	
23 52 23 00-0093	EA	3,548 MBH Steam, 3,974 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1788)..... Note: Includes field assembly of individual sections and testing.	72,284.19	9,657.40	
23 52 23 00-0094	EA	3,771 MBH Steam, 4,223 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1888)..... Note: Includes field assembly of individual sections and testing.	74,781.89	9,986.29	
23 52 23 00-0095 Gas/Oil Fired Package Weil-McLain Model 88 Cast Iron Boiler (23 52 23 00-0046)					
23 52 23 00-0096	EA	629 MBH Steam, 730 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 488)..... Note: Fire tested factory assembled package cast iron unit.	23,496.54	836.42	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0097	EA	845 MBH Steam, 979 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 588) Note: Fire tested factory assembled package cast iron unit.	26,513.30	955.90
23 52 23 00-0098	EA	1,072 MBH Steam, 1,229 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 688) Note: Fire tested factory assembled package cast iron unit.	30,485.67	1,075.39
23 52 23 00-0099	EA	1,311 MBH Steam, 1,478 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 788) Note: Fire tested factory assembled package cast iron unit.	33,896.84	1,194.88
23 52 23 00-0100	EA	1,543 MBH Steam, 1,728 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 888) Note: Fire tested factory assembled package cast iron unit.	36,152.95	1,194.88
23 52 23 00-0101	EA	1,766 MBH Steam, 1,977 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 988) Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.	40,190.33	1,314.36
23 52 23 00-0102	EA	1,988 MBH Steam, 2,227 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1088) Note: Fire tested factory assembled package cast iron unit.	43,184.34	1,314.36
23 52 23 00-0103	EA	2,211 MBH Steam, 2,477 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1188) Note: Fire tested factory assembled package cast iron unit.	45,760.09	1,433.86
23 52 23 00-0104	EA	2,434 MBH Steam, 2,726 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1288) Note: Fire tested factory assembled package cast iron unit.	48,653.73	1,433.86
23 52 23 00-0105	EA	2,657 MBH Steam, 2,976 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1388) Note: Fire tested factory assembled package cast iron unit.	52,141.26	1,553.34
23 52 23 00-0106	EA	2,880 MBH Steam, 3,225 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1488) Note: Fire tested factory assembled package cast iron unit.	54,927.61	1,672.83
23 52 23 00-0107	EA	3,102 MBH Steam, 3,475 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1588) Note: Fire tested factory assembled package cast iron unit.	56,517.91	1,672.83
23 52 23 00-0108	EA	3,325 MBH Steam, 3,724 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1688) Note: Fire tested factory assembled package cast iron unit.	59,864.04	1,792.32
23 52 23 00-0109	EA	3,548 MBH Steam, 3,974 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1788) Note: Fire tested factory assembled package cast iron unit.	62,398.62	1,792.32
23 52 23 00-0110	EA	3,771 MBH Steam, 4,223 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1888) Note: Fire tested factory assembled package cast iron unit.	64,960.17	1,911.80
23 52 23 00-0111		Weil-McLain Model 94 Cast Iron Boiler ^(23 52 23) Note: Capacities are the net AHRI ratings for steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.		
23 52 23 00-0112		Gas Fired Weil-McLain Model 94 Cast Iron Boiler ^(23 52 23 00-0111) Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0113	EA	1,584 MBH Steam, 1,784 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-894) Note: Includes field assembly of individual sections and testing.	77,967.78	10,464.68
23 52 23 00-0114	EA	1,800 MBH Steam, 2,050 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-994) Note: Includes field assembly of individual sections and testing.	84,480.51	11,062.66
23 52 23 00-0115	EA	2,024 MBH Steam, 2,310 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1094) Note: Includes field assembly of individual sections and testing.	90,434.37	11,660.64
23 52 23 00-0116	EA	2,249 MBH Steam, 2,571 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1194) Note: Includes field assembly of individual sections and testing.	96,265.13	12,258.63
23 52 23 00-0117	EA	2,474 MBH Steam, 2,834 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1294) Note: Includes field assembly of individual sections and testing.	102,149.78	12,856.61
23 52 23 00-0118	EA	2,703 MBH Steam, 3,098 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1394) Note: Includes field assembly of individual sections and testing.	109,759.94	13,454.60
23 52 23 00-0119	EA	2,928 MBH Steam, 3,362 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1494) Note: Includes field assembly of individual sections and testing.	115,308.41	14,052.57
23 52 23 00-0120	EA	3,154 MBH Steam, 3,628 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1594) Note: Includes field assembly of individual sections and testing.	120,679.36	14,650.55
23 52 23 00-0121	EA	3,378 MBH Steam, 3,894 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1694) Note: Includes field assembly of individual sections and testing.	129,379.03	15,248.54
23 52 23 00-0122	EA	3,604 MBH Steam, 4,162 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1794) Note: Includes field assembly of individual sections and testing.	134,746.92	15,846.52
23 52 23 00-0123	EA	3,834 MBH Steam, 4,430 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1894) Note: Includes field assembly of individual sections and testing.	139,361.03	16,444.49
23 52 23 00-0124	EA	4,059 MBH Steam, 4,700 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1994) Note: Includes field assembly of individual sections and testing.	147,759.82	17,042.48
23 52 23 00-0125	EA	4,285 MBH Steam, 4,970 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2094) Note: Includes field assembly of individual sections and testing.	153,171.66	17,640.46
23 52 23 00-0126	EA	4,510 MBH Steam, 5,241 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2194) Note: Includes field assembly of individual sections and testing.	161,762.34	18,238.45
23 52 23 00-0127	EA	4,781 MBH Steam, 5,568 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2294) Note: Includes field assembly of individual sections and testing.	167,455.80	18,836.43
23 52 23 00-0128	EA	4,961 MBH Steam, 5,787 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2394) Note: Includes field assembly of individual sections and testing.	173,679.52	19,434.41
23 52 23 00-0129	EA	5,232 MBH Steam, 6,117 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2494) Note: Includes field assembly of individual sections and testing.	179,034.47	20,032.39
23 52 23 00-0130	EA	5,413 MBH Steam, 6,338 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2594) Note: Includes field assembly of individual sections and testing.	184,541.39	20,630.37
23 52 23 00-0131		Gas Fired Package Weil-McLain Model 94 Cast Iron Boiler ^(23 52 23 00-0111)		
23 52 23 00-0132	EA	1,584 MBH Steam, 1,784 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-894) Note: Fire tested factory assembled package cast iron unit.	68,857.08	1,553.34
23 52 23 00-0133	EA	1,800 MBH Steam, 2,050 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-994) Note: Fire tested factory assembled package cast iron unit.	75,098.27	1,672.83
23 52 23 00-0134	EA	2,024 MBH Steam, 2,310 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1094) Note: Fire tested factory assembled package cast iron unit.	80,776.84	1,792.32
23 52 23 00-0135	EA	2,249 MBH Steam, 2,571 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1194) Note: Fire tested factory assembled package cast iron unit.	86,336.63	1,911.80
23 52 23 00-0136	EA	2,474 MBH Steam, 2,834 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1294) Note: Fire tested factory assembled package cast iron unit.	91,468.00	1,911.80
23 52 23 00-0137	EA	2,703 MBH Steam, 3,098 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1394) Note: Fire tested factory assembled package cast iron unit.	96,895.08	2,031.29
23 52 23 00-0138	EA	2,928 MBH Steam, 3,362 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1494) Note: Fire tested factory assembled package cast iron unit.	101,691.42	2,031.29

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT
 UNIT COST
 DEMOLITION
 UNIT COST

23 52 23 00-0139	EA	3,154 MBH Steam, 3,628 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1594) Note: Fire tested factory assembled package cast iron unit.	106,788.96	2,150.78
23 52 23 00-0140	EA	3,378 MBH Steam, 3,894 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1694) Note: Fire tested factory assembled package cast iron unit.	114,737.63	2,150.78
23 52 23 00-0141	EA	3,604 MBH Steam, 4,162 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1794) Note: Fire tested factory assembled package cast iron unit.	119,833.74	2,270.27
23 52 23 00-0142	EA	3,834 MBH Steam, 4,430 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1894) Note: Fire tested factory assembled package cast iron unit.	123,695.70	2,270.27
23 52 23 00-0143	EA	4,059 MBH Steam, 4,700 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1994) Note: Fire tested factory assembled package cast iron unit.	131,824.12	2,389.76
23 52 23 00-0144	EA	4,285 MBH Steam, 4,970 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2094) Note: Fire tested factory assembled package cast iron unit.	136,483.35	2,389.76
23 52 23 00-0145	EA	4,510 MBH Steam, 5,241 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2194) Note: Fire tested factory assembled package cast iron unit.	144,826.65	2,509.25
23 52 23 00-0146	EA	4,781 MBH Steam, 5,568 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2294) Note: Fire tested factory assembled package cast iron unit.	149,741.73	2,509.25
23 52 23 00-0147	EA	4,961 MBH Steam, 5,787 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2394) Note: Fire tested factory assembled package cast iron unit.	155,690.31	2,628.73
23 52 23 00-0148	EA	5,232 MBH Steam, 6,117 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2494) Note: Fire tested factory assembled package cast iron unit.	160,294.40	2,628.73
23 52 23 00-0149	EA	5,413 MBH Steam, 6,338 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2594) Note: Fire tested factory assembled package cast iron unit.	165,527.65	2,748.22

23 52 23 00-0150 Oil Fired Weil-McLain Model 94 Cast Iron Boiler (23 52 23 00-0111)

Note: Field assembled boilers can only be used in situations where package units cannot be installed.

23 52 23 00-0151	EA	1,584 MBH Steam, 1,784 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-894) Note: Includes field assembly of individual sections and testing.	73,749.60	10,464.68
23 52 23 00-0152	EA	1,800 MBH Steam, 2,050 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-994) Note: Includes field assembly of individual sections and testing.	80,262.33	11,062.66
23 52 23 00-0153	EA	2,024 MBH Steam, 2,310 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1094) Note: Includes field assembly of individual sections and testing.	88,169.78	11,660.64
23 52 23 00-0154	EA	2,249 MBH Steam, 2,571 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1194) Note: Includes field assembly of individual sections and testing.	93,490.23	12,258.63
23 52 23 00-0155	EA	2,474 MBH Steam, 2,834 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1294) Note: Includes field assembly of individual sections and testing.	99,027.14	12,856.61
23 52 23 00-0156	EA	2,703 MBH Steam, 3,098 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1394) Note: Includes field assembly of individual sections and testing.	106,248.56	13,454.60
23 52 23 00-0157	EA	2,928 MBH Steam, 3,362 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1494) Note: Includes field assembly of individual sections and testing.	112,059.96	14,052.57
23 52 23 00-0158	EA	3,154 MBH Steam, 3,628 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1594) Note: Includes field assembly of individual sections and testing.	117,433.73	14,650.55
23 52 23 00-0159	EA	3,378 MBH Steam, 3,894 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1694) Note: Includes field assembly of individual sections and testing.	127,142.72	15,248.54
23 52 23 00-0160	EA	3,604 MBH Steam, 4,162 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1794) Note: Includes field assembly of individual sections and testing.	132,512.02	15,846.52
23 52 23 00-0161	EA	3,834 MBH Steam, 4,430 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1894) Note: Includes field assembly of individual sections and testing.	137,879.58	16,444.49
23 52 23 00-0162	EA	4,059 MBH Steam, 4,700 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1994) Note: Includes field assembly of individual sections and testing.	147,769.72	17,042.48
23 52 23 00-0163	EA	4,285 MBH Steam, 4,970 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2094) Note: Includes field assembly of individual sections and testing.	153,181.55	17,640.46
23 52 23 00-0164	EA	4,510 MBH Steam, 5,241 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2194) Note: Includes field assembly of individual sections and testing.	161,999.83	18,238.45
23 52 23 00-0165	EA	4,781 MBH Steam, 5,568 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2294) Note: Includes field assembly of individual sections and testing.	167,691.87	18,836.43
23 52 23 00-0166	EA	4,961 MBH Steam, 5,787 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2394) Note: Includes field assembly of individual sections and testing.	173,794.03	19,434.41
23 52 23 00-0167	EA	5,232 MBH Steam, 6,117 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2494) Note: Includes field assembly of individual sections and testing.	179,148.97	20,032.39
23 52 23 00-0168	EA	5,413 MBH Steam, 6,338 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2594) Note: Includes field assembly of individual sections and testing.	184,664.37	20,630.37

23 52 23 00-0169 Oil Fired Package Weil-McLain Model 94 Cast Iron Boiler (23 52 23 00-0111)

23 52 23 00-0170	EA	1,584 MBH Steam, 1,784 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-894) Note: Fire tested factory assembled package cast iron unit.	64,409.90	1,553.34
23 52 23 00-0171	EA	1,800 MBH Steam, 2,050 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-994) Note: Fire tested factory assembled package cast iron unit.	70,651.09	1,672.83
23 52 23 00-0172	EA	2,024 MBH Steam, 2,310 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1094) Note: Fire tested factory assembled package cast iron unit.	78,283.25	1,792.32
23 52 23 00-0173	EA	2,249 MBH Steam, 2,571 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1194) Note: Fire tested factory assembled package cast iron unit.	83,332.73	1,911.80
23 52 23 00-0174	EA	2,474 MBH Steam, 2,834 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1294) Note: Fire tested factory assembled package cast iron unit.	88,116.35	1,911.80
23 52 23 00-0175	EA	2,703 MBH Steam, 3,098 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1394) Note: Fire tested factory assembled package cast iron unit.	93,154.69	2,031.29
23 52 23 00-0176	EA	2,928 MBH Steam, 3,362 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1494) Note: Fire tested factory assembled package cast iron unit.	98,213.97	2,031.29
23 52 23 00-0177	EA	3,154 MBH Steam, 3,628 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1594) Note: Fire tested factory assembled package cast iron unit.	103,311.50	2,150.78
23 52 23 00-0178	EA	3,378 MBH Steam, 3,894 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1694) Note: Fire tested factory assembled package cast iron unit.	112,272.31	2,150.78
23 52 23 00-0179	EA	3,604 MBH Steam, 4,162 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1794) Note: Fire tested factory assembled package cast iron unit.	117,367.01	2,270.27
23 52 23 00-0180	EA	3,834 MBH Steam, 4,430 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1894) Note: Fire tested factory assembled package cast iron unit.	121,985.24	2,270.27

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0181	EA	4,059 MBH Steam, 4,700 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1994) Note: Fire tested factory assembled package cast iron unit.	131,605.01	2,389.76
23 52 23 00-0182	EA	4,285 MBH Steam, 4,970 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2094) Note: Fire tested factory assembled package cast iron unit.	136,264.24	2,389.76
23 52 23 00-0183	EA	4,510 MBH Steam, 5,241 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2194) Note: Fire tested factory assembled package cast iron unit.	144,806.86	2,509.25
23 52 23 00-0184	EA	4,781 MBH Steam, 5,568 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2294) Note: Fire tested factory assembled package cast iron unit.	149,748.80	2,509.25
23 52 23 00-0185	EA	4,961 MBH Steam, 5,787 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2394) Note: Fire tested factory assembled package cast iron unit.	155,575.80	2,628.73
23 52 23 00-0186	EA	5,232 MBH Steam, 6,117 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2494) Note: Fire tested factory assembled package cast iron unit.	160,179.90	2,628.73
23 52 23 00-0187	EA	5,413 MBH Steam, 6,338 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2594) Note: Fire tested factory assembled package cast iron unit.	165,421.63	2,748.22
23 52 23 00-0188 Gas/Oil Fired Weil-McLain Model 94 Cast Iron Boiler (23 52 23 00-0111)				
Note: Field assembled boilers can only be used in situations where package units cannot be installed.				
23 52 23 00-0189	EA	1,584 MBH Steam, 1,784 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-894)..... Note: Includes field assembly of individual sections and testing.	79,293.74	10,464.68
23 52 23 00-0190	EA	1,800 MBH Steam, 2,050 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-994)..... Note: Includes field assembly of individual sections and testing.	85,807.88	11,062.66
23 52 23 00-0191	EA	2,024 MBH Steam, 2,310 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1094)..... Note: Includes field assembly of individual sections and testing.	92,123.62	11,660.64
23 52 23 00-0192	EA	2,249 MBH Steam, 2,571 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1194)..... Note: Includes field assembly of individual sections and testing.	98,097.15	12,258.63
23 52 23 00-0193	EA	2,474 MBH Steam, 2,834 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1294)..... Note: Includes field assembly of individual sections and testing.	103,949.29	12,856.61
23 52 23 00-0194	EA	2,703 MBH Steam, 3,098 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1394)..... Note: Includes field assembly of individual sections and testing.	110,424.33	13,454.60
23 52 23 00-0195	EA	2,928 MBH Steam, 3,362 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1494)..... Note: Includes field assembly of individual sections and testing.	117,515.04	14,052.57
23 52 23 00-0196	EA	3,154 MBH Steam, 3,628 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1594)..... Note: Includes field assembly of individual sections and testing.	123,233.73	14,650.55
23 52 23 00-0197	EA	3,378 MBH Steam, 3,894 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1694)..... Note: Includes field assembly of individual sections and testing.	132,155.34	15,248.54
23 52 23 00-0198	EA	3,604 MBH Steam, 4,162 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1794)..... Note: Includes field assembly of individual sections and testing.	137,523.23	15,846.52
23 52 23 00-0199	EA	3,834 MBH Steam, 4,430 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1894)..... Note: Includes field assembly of individual sections and testing.	142,236.29	16,444.49
23 52 23 00-0200	EA	4,059 MBH Steam, 4,700 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1994)..... Note: Includes field assembly of individual sections and testing.	150,731.21	17,042.48
23 52 23 00-0201	EA	4,285 MBH Steam, 4,970 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2094)..... Note: Includes field assembly of individual sections and testing.	157,556.64	17,640.46
23 52 23 00-0202	EA	4,510 MBH Steam, 5,241 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2194)..... Note: Includes field assembly of individual sections and testing.	166,905.02	18,238.45
23 52 23 00-0203	EA	4,781 MBH Steam, 5,568 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2294)..... Note: Includes field assembly of individual sections and testing.	172,556.07	18,836.43
23 52 23 00-0204	EA	4,961 MBH Steam, 5,787 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2394)..... Note: Includes field assembly of individual sections and testing.	179,042.72	19,434.41
23 52 23 00-0205	EA	5,232 MBH Steam, 6,117 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2494)..... Note: Includes field assembly of individual sections and testing.	184,399.08	20,032.39
23 52 23 00-0206	EA	5,413 MBH Steam, 6,338 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2594)..... Note: Includes field assembly of individual sections and testing.	189,910.24	20,630.37
23 52 23 00-0207 Gas/Oil Fired Package Weil-McLain Model 94 Cast Iron Boiler (23 52 23 00-0111)				
23 52 23 00-0208	EA	1,584 MBH Steam, 1,784 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-894)..... Note: Fire tested factory assembled package cast iron unit.	70,286.23	1,553.34
23 52 23 00-0209	EA	1,800 MBH Steam, 2,050 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-994)..... Note: Fire tested factory assembled package cast iron unit.	76,528.83	1,672.83
23 52 23 00-0210	EA	2,024 MBH Steam, 2,310 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1094)..... Note: Fire tested factory assembled package cast iron unit.	82,573.52	1,792.32
23 52 23 00-0211	EA	2,249 MBH Steam, 2,571 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1194)..... Note: Fire tested factory assembled package cast iron unit.	88,273.26	1,911.80
23 52 23 00-0212	EA	2,474 MBH Steam, 2,834 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1294)..... Note: Fire tested factory assembled package cast iron unit.	93,372.11	1,911.80
23 52 23 00-0213	EA	2,703 MBH Steam, 3,098 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1394)..... Note: Fire tested factory assembled package cast iron unit.	97,662.66	2,031.29
23 52 23 00-0214	EA	2,928 MBH Steam, 3,362 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1494)..... Note: Fire tested factory assembled package cast iron unit.	104,001.25	2,031.29
23 52 23 00-0215	EA	3,154 MBH Steam, 3,628 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1594)..... Note: Fire tested factory assembled package cast iron unit.	109,445.11	2,150.78
23 52 23 00-0216	EA	3,378 MBH Steam, 3,894 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1694)..... Note: Fire tested factory assembled package cast iron unit.	117,618.55	2,150.78
23 52 23 00-0217	EA	3,604 MBH Steam, 4,162 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1794)..... Note: Fire tested factory assembled package cast iron unit.	122,711.83	2,270.27
23 52 23 00-0218	EA	3,834 MBH Steam, 4,430 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1894)..... Note: Fire tested factory assembled package cast iron unit.	126,674.15	2,270.27
23 52 23 00-0219	EA	4,059 MBH Steam, 4,700 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1994)..... Note: Fire tested factory assembled package cast iron unit.	134,898.70	2,389.76
23 52 23 00-0220	EA	4,285 MBH Steam, 4,970 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2094)..... Note: Fire tested factory assembled package cast iron unit.	140,972.94	2,389.76
23 52 23 00-0221	EA	4,510 MBH Steam, 5,241 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2194)..... Note: Fire tested factory assembled package cast iron unit.	150,045.66	2,509.25
23 52 23 00-0222	EA	4,781 MBH Steam, 5,568 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2294)..... Note: Fire tested factory assembled package cast iron unit.	154,946.61	2,509.25

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 52 23 00-0223	EA	4,961 MBH Steam, 5,787 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2394).....	161,156.70	2,628.73
		Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0224	EA	5,232 MBH Steam, 6,117 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2494).....	165,762.21	2,628.73
		Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0225	EA	5,413 MBH Steam, 6,338 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2594).....	171,001.11	2,748.22
		Note: Fire tested factory assembled package cast iron unit.		

23 52 33 Water-Tube Boilers (23 52)**23 52 33 13 Finned Water-Tube Boilers (23 52 33)****23 52 33 13-0001 Laars Pennant 85% Efficient Water, Gas Fired, Copper Fin Tube LoNox Boiler (23 52 33 13)**

Note: Rated by gross rated output.

23 52 33 13-0002	EA	200 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	9,077.56	680.00
23 52 33 13-0003	EA	300 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	9,991.68	755.57
23 52 33 13-0004	EA	400 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	11,489.25	906.67
23 52 33 13-0005	EA	500 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	14,614.62	944.45
23 52 33 13-0006	EA	750 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	17,175.74	1,133.34
23 52 33 13-0007	EA	1,000 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	21,096.07	1,360.01
23 52 33 13-0008	EA	1,250 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	23,933.71	1,435.57
23 52 33 13-0009	EA	1,500 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	26,499.55	1,548.90
23 52 33 13-0010	EA	1,750 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	28,877.79	1,624.45
23 52 33 13-0011	EA	2,000 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	30,965.09	1,662.24

23 52 33 13-0012 Patterson Kelly Modufire Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (23 52 33 13)

Note: Rated by gross rated output.

23 52 33 13-0013	EA	1,000 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire).....	31,398.91	1,360.01
23 52 33 13-0014	EA	1,500 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire).....	39,174.23	1,548.90
23 52 33 13-0015	EA	2,000 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire).....	41,746.43	1,662.24
23 52 33 13-0016	EA	2,500 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire).....	58,937.57	1,888.90
23 52 33 13-0017	EA	3,000 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire).....	61,856.38	2,115.57

23 52 33 13-0018 Lochinvar Copper-Fin II Finned Tube Boiler (23 52 33 13)

Note: Rated by gross rated output.

23 52 33 13-0019	EA	340 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0402).....	14,433.54	610.17
		For High And Low Gas Pressure Switch With Manual Reset, Add	537.49	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	476.15	
23 52 33 13-0020	EA	425 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0502).....	17,324.79	762.43
		For High And Low Gas Pressure Switch With Manual Reset, Add	537.49	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	476.15	
23 52 33 13-0021	EA	552.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0652).....	18,583.10	915.83
		For High And Low Gas Pressure Switch With Manual Reset, Add	537.49	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	476.15	
23 52 33 13-0022	EA	637.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0752).....	19,095.76	915.83
		For High And Low Gas Pressure Switch With Manual Reset, Add	537.49	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	476.15	
23 52 33 13-0023	EA	841.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0992).....	23,686.77	1,144.79
		For High And Low Gas Pressure Switch With Manual Reset, Add	537.49	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	476.15	
23 52 33 13-0024	EA	1,071 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN1262).....	27,449.23	1,144.79
		For High And Low Gas Pressure Switch With Manual Reset, Add	537.49	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	476.15	
23 52 33 13-0025	EA	1,224 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN1442).....	29,938.05	1,144.79
		For High And Low Gas Pressure Switch With Manual Reset, Add	537.49	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	476.15	
23 52 33 13-0026	EA	1,530 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN1802).....	32,257.86	1,373.75
		For High And Low Gas Pressure Switch With Manual Reset, Add	537.49	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	476.15	
23 52 33 13-0027	EA	1,759.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN2072).....	38,154.62	1,602.70
		For High And Low Gas Pressure Switch With Manual Reset, Add	537.49	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	476.15	

23 52 33 13-0028 Raypak Cupro-Nickel Finned-Tube Boiler With Pump (23 52 33 13)

Note: Rated by gross rated output.

23 52 33 13-0029	EA	385 MBH Water, Gas Fired, On/Off, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H4-399B).....	13,888.92	838.67
23 52 33 13-0030	EA	420 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-499B).....	14,952.19	755.57
23 52 33 13-0031	EA	546 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-649B).....	16,637.89	906.67
23 52 33 13-0032	EA	630 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-749B).....	17,656.91	1,029.28
23 52 33 13-0033	EA	756 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-899B).....	19,613.61	1,133.34
23 52 33 13-0034	EA	832 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-989B).....	21,097.34	1,219.89
23 52 33 13-0035	EA	1,058 MBH Water, Gas Fired, Three Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H8-1259B).....	24,109.07	1,360.01
23 52 33 13-0036	EA	1,285 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-1529B).....	28,044.79	1,435.57
23 52 33 13-0037	EA	1,512 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-1799B).....	29,751.44	1,548.90
23 52 33 13-0038	EA	1,679 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-1999B).....	35,621.93	1,586.68
23 52 33 13-0039	EA	1,739 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-2069B).....	35,736.41	1,624.45
23 52 33 13-0040	EA	1,966 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-2339B).....	41,865.83	1,662.24

23 52 33 13-0041 Raypak Gas Fired Finned-Tube Water Heater With Pump (Type WH) (23 52 33 13)

Note: Rated by gross rated output.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 33 13-0042	EA	150 MBH Input, High Delta Copper Finned Tube Boiler, Raypak WH1-HD151..... Note: 85% Efficient	11,081.25	762.43
23 52 33 13-0043	EA	200 MBH Input, High Delta Copper Finned Tube Boiler, Raypak WH1-HD201..... Note: 85% Efficient	13,446.98	800.56
23 52 33 13-0044	EA	250 MBH Input, High Delta Copper Finned Tube Boiler, Raypak WH1-HD251..... Note: 85% Efficient	15,183.23	838.67
23 52 33 13-0045	EA	300 MBH Input, High Delta Copper Finned Tube Boiler, Raypak WH1-HD301..... Note: 85% Efficient	18,741.07	914.91
23 52 33 13-0046	EA	300 MBH Input, Copper Finned Tube Boiler, Raypak WH1-302B..... Note: 85% Efficient	18,730.40	914.91
23 52 33 13-0047	EA	400 MBH Input, Copper Finned Tube Boiler, Raypak WH1-402B..... Note: 85% Efficient	23,013.78	991.16
23 52 33 13-0048	EA	500 MBH Input, Copper Finned Tube Boiler, Raypak WH3-502B..... Note: 85% Efficient	25,545.22	1,067.40
23 52 33 13-0049	EA	650 MBH Input, Copper Finned Tube Boiler, Raypak WH3-652B..... Note: 85% Efficient	26,924.34	1,143.65
23 52 33 13-0050	EA	750 MBH Input, Copper Finned Tube Boiler, Raypak WH3-752B..... Note: 85% Efficient	28,689.71	1,219.89
23 52 33 13-0051	EA	900 MBH Input, Copper Finned Tube Boiler, Raypak WH3-902B..... Note: 85% Efficient	31,312.91	1,296.13
23 52 33 13-0052	EA	990 MBH Input, Copper Finned Tube Boiler, Raypak WH3-992B..... Note: 85% Efficient	33,078.27	1,372.38
23 52 33 13-0053	EA	1260 MBH Input, Copper Finned Tube Boiler, Raypak WH3-1262B..... Note: 85% Efficient	38,102.10	1,448.61
23 52 33 16 Steel Water-Tube Boilers (23 52 33)				
23 52 33 16-0001		Unilux 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (23 52 33 16) Note: Compliant with BAAQMD.		
23 52 33 16-0002	EA	1,250 MBH Input/1,062 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF100).....	90,421.89	1,831.66
23 52 33 16-0003	EA	1,750 MBH Input/1,488 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF150).....	97,209.90	2,289.58
23 52 33 16-0004	EA	2,200 MBH Input/1,870 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF200).....	98,971.49	2,518.53
23 52 33 16-0005	EA	2,750 MBH Input/2,338 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF250).....	106,605.24	2,747.49
23 52 33 16-0006	EA	3,000 MBH Input/2,550 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF300).....	110,228.20	3,090.94
23 52 33 16-0007	EA	3,750 MBH Output/3,188 MBH Input, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux VZ350).....	121,677.71	3,434.37
23 52 33 16-0008	EA	4,300 MBH Input/3,655 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux VZ400).....	126,799.39	3,548.85
23 52 33 16-0009		Unilux 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (23 52 33 16) Note: Compliant with BAAQMD.		
23 52 33 16-0010	EA	1,250 MBH, 31 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 100LS).....	105,557.99	2,060.62
23 52 33 16-0011	EA	1,750 MBH, 43.5 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 150LS).....	110,811.10	2,404.05
23 52 33 16-0012	EA	2,200 MBH, 54.5 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 200LS).....	113,878.61	2,633.01
23 52 33 16-0013	EA	2,750 MBH, 68 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 250LS).....	127,382.28	2,861.97
23 52 33 16-0014	EA	3,000 MBH, 74 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 300LS).....	132,079.95	3,090.94
23 52 33 16-0015	EA	3,750 MBH, 93 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 350LS).....	141,246.33	3,434.37
23 52 33 16-0016	EA	4,300 MBH, 106.5 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 400LS).....	149,539.91	3,663.33
23 52 33 16-0017	EA	5,400 MBH, 134 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 500LS).....	250,121.78	3,892.29
23 52 33 16-0018	EA	6,250 MBH, 155 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 600LS).....	270,801.28	4,121.25
23 52 33 16-0019	EA	7,235 MBH, 179 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 700LS).....	284,957.93	4,350.20
23 52 33 16-0020	EA	8,270 MBH, 205 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 800LS).....	292,265.20	4,579.16
23 52 33 16-0021		Unilux 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (23 52 33 16) Note: Compliant with BAAQMD.		
23 52 33 16-0022	EA	1,250 MBH, 31 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 100HS).....	113,711.01	2,060.62
23 52 33 16-0023	EA	1,750 MBH, 43.5 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 150HS).....	120,596.55	2,404.05
23 52 33 16-0024	EA	2,200 MBH, 54.5 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 200HS).....	124,967.73	2,633.01
23 52 33 16-0025	EA	2,750 MBH, 68 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 250HS).....	138,797.88	2,861.97
23 52 33 16-0026	EA	3,000 MBH, 74 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 300HS).....	143,495.55	3,090.94

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 52 33 16-0027	EA	3,750 MBH, 93 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 350HS)	151,031.79	3,434.37
23 52 33 16-0028	EA	4,300 MBH, 106.5 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 400HS)	159,645.00	3,663.33
23 52 33 16-0029	EA	5,400 MBH, 134 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 500HS)	259,580.74	3,892.29
23 52 33 16-0030	EA	6,250 MBH, 155 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 600HS)	281,892.68	4,121.25
23 52 33 16-0031	EA	7,235 MBH, 179 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 700HS)	290,830.11	4,350.20
23 52 33 16-0032	EA	8,270 MBH, 205 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 800HS)	303,356.60	4,579.16
23 52 33 16-0033	EA	9,300 MBH, 230 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 900HS)	337,408.34	4,808.12
23 52 33 16-0034	EA	10,330 MBH, 256 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 1000HS)	488,387.79	5,037.08
23 52 33 16-0035	EA	12,400 MBH, 307 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 1200HS)	513,144.96	5,266.03

23 52 36 Fire-Box Boiler (23 52)**23 52 36 00-0001 Package Oil Fired Firebox Boilers (23 52 36)**

Note: Prices are good for 15 PSI steam or 30 PSI water. Packaged type, complete with burner and all basic safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.) Normally required (Boiler HP) boiler sizes are based on HP rating and gross output.

23 52 36 00-0002	EA	40 HP, 1,339 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	84,004.77	2,867.71
23 52 36 00-0003	EA	46 HP, 1,553 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	87,832.80	3,106.69
23 52 36 00-0004	EA	53 HP, 1,784 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	91,965.34	3,345.66
23 52 36 00-0005	EA	61 HP, 2,062 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	99,447.92	3,584.64
23 52 36 00-0006	EA	69 HP, 2,313 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	103,884.97	3,823.61
23 52 36 00-0007	EA	80 HP, 2,678 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	108,246.05	4,062.59
23 52 36 00-0008	EA	100 HP, 3,348 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	120,388.21	4,301.56
23 52 36 00-0009	EA	127 HP, 4,251 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	139,297.33	4,779.51
23 52 36 00-0010	EA	151 HP, 5,055 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	158,526.30	5,257.47
23 52 36 00-0011	EA	183 HP, 6,126 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	173,915.41	5,795.16
23 52 36 00-0012	EA	220 HP, 7,388 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	189,304.66	6,332.86
23 52 36 00-0013	EA	257 HP, 8,606 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	199,069.38	7,408.24
23 52 36 00-0014	EA	294 HP, 9,842 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	242,562.76	8,483.64
23 52 36 00-0015	EA	368 HP, 12,302 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	287,122.06	9,559.03
23 52 36 00-0016	EA	441 HP, 14,766 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	332,148.81	10,753.91
23 52 36 00-0017	EA	514 HP, 17,220 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	376,121.24	11,650.07

23 52 39 Fire-Tube Boilers (23 52)**23 52 39 13 Scotch Marine Boilers (23 52 39)****23 52 39 13-0001 15 PSI Steam Scotch Marine Boilers (23 52 39 13)**

Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH gross rated output.

23 52 39 13-0002 15 PSI Gas Fired Steam Scotch Marine Boilers (23 52 39 13-0001)

23 52 39 13-0003	EA	30 HP, 1,033 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler	66,976.45	1,314.36
Note: Burnham Series 3. Fire tested factory assembled unit.				
23 52 39 13-0004	EA	40 HP, 1,339 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler	72,096.85	1,433.86
Note: Burnham Series 3. Fire tested factory assembled unit.				
23 52 39 13-0005	EA	50 HP, 1,674 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler	78,306.16	1,553.34
Note: Burnham Series 3. Fire tested factory assembled unit.				
23 52 39 13-0006	EA	60 HP, 2,009 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler	81,844.93	1,792.32
Note: Burnham Series 3. Fire tested factory assembled unit.				
23 52 39 13-0007	EA	70 HP, 2,343 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler	85,765.66	1,911.80
Note: Burnham Series 3. Fire tested factory assembled unit.				
23 52 39 13-0008	EA	80 HP, 2,678 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler	89,784.32	2,031.29
Note: Burnham Series 3. Fire tested factory assembled unit.				
23 52 39 13-0009	EA	90 HP, 3,013 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler	92,555.14	2,091.04
Note: Burnham Series 3. Fire tested factory assembled unit.				
23 52 39 13-0010	EA	100 HP, 3,348 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler	97,696.19	2,150.78
Note: Burnham Series 3. Fire tested factory assembled unit.				
23 52 39 13-0011	EA	125 HP, 4,184 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler	110,454.05	2,389.76
Note: Burnham Series 3. Fire tested factory assembled unit.				
23 52 39 13-0012	EA	150 HP, 5,021 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler	125,499.18	2,628.73
Note: Burnham Series 3. Fire tested factory assembled unit.				
23 52 39 13-0013	EA	175 HP, 5,858 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler	137,656.73	2,897.59
Note: Burnham Series 3. Fire tested factory assembled unit.				
23 52 39 13-0014	EA	200 HP, 6,695 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler	149,811.84	3,166.43
Note: Burnham Series 3. Fire tested factory assembled unit.				
23 52 39 13-0015	EA	250 HP, 8,369 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler	158,075.91	3,704.12
Note: Burnham Series 3. Fire tested factory assembled unit.				
23 52 39 13-0016	EA	300 HP, 10,043 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler	192,206.16	4,241.82
Note: Burnham Series 3. Fire tested factory assembled unit.				
23 52 39 13-0017	EA	350 HP, 11,716 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler	208,108.34	4,779.51
Note: Burnham Series 3. Fire tested factory assembled unit.				
23 52 39 13-0018	EA	400 HP, 13,390 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler	244,981.30	5,317.21
Note: Burnham Series 3. Fire tested factory assembled unit.				
23 52 39 13-0019	EA	500 HP, 16,738 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler	297,448.70	5,854.91
Note: Burnham Series 3. Fire tested factory assembled unit.				

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0020	EA	600 HP, 20,085 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	347,909.80	6,392.60
23 52 39 13-0021	EA	700 HP, 23,433 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	396,218.71	6,930.30
23 52 39 13-0022	EA	800 HP, 26,780 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	442,595.08	7,467.99
23 52 39 13-0023	EA	900 HP, 30,128 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	688,543.10	8,005.69
23 52 39 13-0024	EA	1,000 HP, 33,476 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	749,140.51	8,543.38
23 52 39 13-0025 15 PSI Oil Fired Steam Scotch Marine Boilers (23 52 39 13-0001)				
23 52 39 13-0026	EA	30 HP, 1,033 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	62,090.70	1,314.36
23 52 39 13-0027	EA	40 HP, 1,339 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	66,843.36	1,433.86
23 52 39 13-0028	EA	50 HP, 1,674 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	72,595.85	1,553.34
23 52 39 13-0029	EA	60 HP, 2,009 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	79,113.12	1,792.32
23 52 39 13-0030	EA	70 HP, 2,343 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	82,543.52	1,911.80
23 52 39 13-0031	EA	80 HP, 2,678 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	85,968.31	2,031.29
23 52 39 13-0032	EA	90 HP, 3,013 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	89,162.45	2,091.04
23 52 39 13-0033	EA	100 HP, 3,348 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	95,524.75	2,150.78
23 52 39 13-0034	EA	125 HP, 4,184 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	110,557.59	2,389.76
23 52 39 13-0035	EA	150 HP, 5,021 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	125,611.86	2,628.73
23 52 39 13-0036	EA	175 HP, 5,858 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	137,781.60	2,897.59
23 52 39 13-0037	EA	200 HP, 6,695 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	149,948.89	3,166.43
23 52 39 13-0038	EA	250 HP, 8,369 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	158,219.04	3,704.12
23 52 39 13-0039	EA	300 HP, 10,043 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	192,382.80	4,241.82
23 52 39 13-0040	EA	350 HP, 11,716 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	208,297.16	4,779.51
23 52 39 13-0041	EA	400 HP, 13,390 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	245,206.67	5,317.21
23 52 39 13-0042	EA	500 HP, 16,738 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	297,722.79	5,854.91
23 52 39 13-0043	EA	600 HP, 20,085 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	348,232.63	6,392.60
23 52 39 13-0044	EA	700 HP, 23,433 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	396,587.22	6,930.30
23 52 39 13-0045	EA	800 HP, 26,780 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	443,009.27	7,467.99
23 52 39 13-0046	EA	900 HP, 30,128 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	689,197.84	8,005.69
23 52 39 13-0047	EA	1,000 HP, 33,476 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	749,856.76	8,543.38
23 52 39 13-0048 15 PSI Gas/Oil Fired Steam Scotch Marine Boilers (23 52 39 13-0001)				
23 52 39 13-0049	EA	30 HP, 1,033 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	69,114.84	1,314.36
23 52 39 13-0050	EA	40 HP, 1,339 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	74,396.20	1,433.86
23 52 39 13-0051	EA	50 HP, 1,674 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	80,800.43	1,553.34
23 52 39 13-0052	EA	60 HP, 2,009 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	84,945.25	1,792.32
23 52 39 13-0053	EA	70 HP, 2,343 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	88,616.24	1,911.80
23 52 39 13-0054	EA	80 HP, 2,678 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	92,281.63	2,031.29
23 52 39 13-0055	EA	90 HP, 3,013 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	95,713.32	2,091.04
23 52 39 13-0056	EA	100 HP, 3,348 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	99,145.85	2,150.78
23 52 39 13-0057	EA	125 HP, 4,184 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	114,766.47	2,389.76
23 52 39 13-0058	EA	150 HP, 5,021 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	130,408.53	2,628.73
23 52 39 13-0059	EA	175 HP, 5,858 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	143,041.18	2,897.59
23 52 39 13-0060	EA	200 HP, 6,695 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	155,668.34	3,166.43
23 52 39 13-0061	EA	250 HP, 8,369 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	164,194.32	3,704.12
23 52 39 13-0062	EA	300 HP, 10,043 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	199,692.00	4,241.82

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 52 39 13-0063	EA	350 HP, 11,716 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	216,178.91	4,779.51
23 52 39 13-0064	EA	400 HP, 13,390 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	254,538.08	5,317.21
23 52 39 13-0065	EA	500 HP, 16,738 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	309,152.55	5,854.91
23 52 39 13-0066	EA	600 HP, 20,085 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	361,675.46	6,392.60
23 52 39 13-0067	EA	700 HP, 23,433 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	411,957.86	6,930.30
23 52 39 13-0068	EA	800 HP, 26,780 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	460,222.44	7,467.99
23 52 39 13-0069	EA	900 HP, 30,128 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	716,582.49	8,005.69
23 52 39 13-0070	EA	1,000 HP, 33,476 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	779,675.80	8,543.38

23 52 39 13-0071 125 PSI Water Scotch Marine Boilers (23 52 39 13)

Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH gross rated output.

23 52 39 13-0072 125 PSI Gas Fired Water Scotch Marine Boilers (23 52 39 13-0071)

23 52 39 13-0073	EA	40 HP, 1,339 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	79,269.00	1,433.86
23 52 39 13-0074	EA	50 HP, 1,674 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	88,947.14	1,553.34
23 52 39 13-0075	EA	60 HP, 2,009 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	95,577.09	1,792.32
23 52 39 13-0076	EA	70 HP, 2,343 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	102,738.23	1,911.80
23 52 39 13-0077	EA	80 HP, 2,678 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	110,049.07	2,031.29
23 52 39 13-0078	EA	90 HP, 3,013 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	115,859.30	2,091.04
23 52 39 13-0079	EA	100 HP, 3,348 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	124,728.05	2,150.78
23 52 39 13-0080	EA	125 HP, 4,184 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	133,828.26	2,389.76
23 52 39 13-0081	EA	150 HP, 5,021 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	145,900.99	2,628.73
23 52 39 13-0082	EA	175 HP, 5,858 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	155,217.09	2,897.59
23 52 39 13-0083	EA	200 HP, 6,695 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	160,733.01	3,166.43
23 52 39 13-0084	EA	250 HP, 8,369 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	194,554.90	3,704.12
23 52 39 13-0085	EA	300 HP, 10,043 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	226,510.67	4,241.82
23 52 39 13-0086	EA	350 HP, 11,716 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	244,179.24	4,779.51
23 52 39 13-0087	EA	400 HP, 13,390 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	272,436.48	5,317.21
23 52 39 13-0088	EA	500 HP, 16,738 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	330,023.36	5,854.91
23 52 39 13-0089	EA	600 HP, 20,085 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	386,219.15	6,392.60
23 52 39 13-0090	EA	700 HP, 23,433 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	440,019.10	6,930.30
23 52 39 13-0091	EA	800 HP, 26,780 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	491,652.00	7,467.99
23 52 39 13-0092	EA	900 HP, 30,128 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	766,579.70	8,005.69
23 52 39 13-0093	EA	1,000 HP, 33,476 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	834,119.94	8,543.38

23 52 39 13-0094 125 PSI Oil Fired Water Scotch Marine Boilers (23 52 39 13-0071)

23 52 39 13-0095	EA	40 HP, 1,339 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	73,446.01	1,433.86
23 52 39 13-0096	EA	50 HP, 1,674 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	82,393.22	1,553.34
23 52 39 13-0097	EA	60 HP, 2,009 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	92,339.72	1,792.32
23 52 39 13-0098	EA	70 HP, 2,343 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	98,818.67	1,911.80
23 52 39 13-0099	EA	80 HP, 2,678 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	105,288.96	2,031.29
23 52 39 13-0100	EA	90 HP, 3,013 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	111,525.56	2,091.04
23 52 39 13-0101	EA	100 HP, 3,348 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	121,895.73	2,150.78
23 52 39 13-0102	EA	125 HP, 4,184 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	133,953.12	2,389.76
23 52 39 13-0103	EA	150 HP, 5,021 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	146,034.99	2,628.73
23 52 39 13-0104	EA	175 HP, 5,858 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	155,360.22	2,897.59

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0105	EA	200 HP, 6,695 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	160,882.24	3,166.43
23 52 39 13-0106	EA	250 HP, 8,369 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	194,734.59	3,704.12
23 52 39 13-0107	EA	300 HP, 10,043 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	226,720.81	4,241.82
23 52 39 13-0108	EA	350 HP, 11,716 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	244,404.60	4,779.51
23 52 39 13-0109	EA	400 HP, 13,390 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	272,689.26	5,317.21
23 52 39 13-0110	EA	500 HP, 16,738 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	330,330.96	5,854.91
23 52 39 13-0111	EA	600 HP, 20,085 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	386,581.56	6,392.60
23 52 39 13-0112	EA	700 HP, 23,433 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	440,433.28	6,930.30
23 52 39 13-0113	EA	800 HP, 26,780 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	492,114.91	7,467.99
23 52 39 13-0114	EA	900 HP, 30,128 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	767,313.53	8,005.69
23 52 39 13-0115	EA	1,000 HP, 33,476 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	834,919.69	8,543.38
23 52 39 13-0116 125 PSI Gas/Oil Fired Water Scotch Marine Boilers (23 52 39 13-0071)				
23 52 39 13-0117	EA	40 HP, 1,339 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	81,815.04	1,433.86
23 52 39 13-0118	EA	50 HP, 1,674 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	91,809.91	1,553.34
23 52 39 13-0119	EA	60 HP, 2,009 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	99,246.92	1,792.32
23 52 39 13-0120	EA	70 HP, 2,343 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	106,210.10	1,911.80
23 52 39 13-0121	EA	80 HP, 2,678 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	113,167.67	2,031.29
23 52 39 13-0122	EA	90 HP, 3,013 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	119,891.55	2,091.04
23 52 39 13-0123	EA	100 HP, 3,348 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	126,616.25	2,150.78
23 52 39 13-0124	EA	125 HP, 4,184 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	139,136.56	2,389.76
23 52 39 13-0125	EA	150 HP, 5,021 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	151,681.34	2,628.73
23 52 39 13-0126	EA	175 HP, 5,858 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	161,350.72	2,897.59
23 52 39 13-0127	EA	200 HP, 6,695 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	167,058.51	3,166.43
23 52 39 13-0128	EA	250 HP, 8,369 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	202,232.61	3,704.12
23 52 39 13-0129	EA	300 HP, 10,043 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	235,461.40	4,241.82
23 52 39 13-0130	EA	350 HP, 11,716 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	253,790.84	4,779.51
23 52 39 13-0131	EA	400 HP, 13,390 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	283,165.78	5,317.21
23 52 39 13-0132	EA	500 HP, 16,738 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	343,122.06	5,854.91
23 52 39 13-0133	EA	600 HP, 20,085 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	401,623.29	6,392.60
23 52 39 13-0134	EA	700 HP, 23,433 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	457,631.22	6,930.30
23 52 39 13-0135	EA	800 HP, 26,780 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	511,374.66	7,467.99
23 52 39 13-0136	EA	900 HP, 30,128 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	797,954.29	8,005.69
23 52 39 13-0137	EA	1,000 HP, 33,476 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	868,280.45	8,543.38
23 52 39 13-0138 150 PSI Steam Scotch Marine Boilers (23 52 39 13)				
Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH gross rated output.				
23 52 39 13-0139 150 PSI Gas Fired Steam Scotch Marine Boilers (23 52 39 13-0138)				
23 52 39 13-0140	EA	40 HP, 1,339 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	92,005.28	1,433.86
23 52 39 13-0141	EA	50 HP, 1,674 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	99,932.26	1,553.34
23 52 39 13-0142	EA	60 HP, 2,009 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	104,247.63	1,792.32
23 52 39 13-0143	EA	70 HP, 2,343 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	109,200.78	1,911.80
23 52 39 13-0144	EA	80 HP, 2,678 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	114,282.32	2,031.29
23 52 39 13-0145	EA	90 HP, 3,013 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	117,814.51	2,091.04
23 52 39 13-0146	EA	100 HP, 3,348 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	124,426.54	2,150.78

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
23 52 39 13-0147	EA	125 HP, 4,184 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	140,726.32	2,389.76	
23 52 39 13-0148	EA	150 HP, 5,021 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	159,992.51	2,628.73	
23 52 39 13-0149	EA	175 HP, 5,858 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	175,475.75	2,897.59	
23 52 39 13-0150	EA	200 HP, 6,695 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	190,956.55	3,166.43	
23 52 39 13-0151	EA	250 HP, 8,369 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	201,054.00	3,704.12	
23 52 39 13-0152	EA	300 HP, 10,043 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	244,780.63	4,241.82	
23 52 39 13-0153	EA	350 HP, 11,716 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	264,783.32	4,779.51	
23 52 39 13-0154	EA	400 HP, 13,390 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	312,101.08	5,317.21	
23 52 39 13-0155	EA	500 HP, 16,738 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	379,668.06	5,854.91	
23 52 39 13-0156	EA	600 HP, 20,085 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	444,601.38	6,392.60	
23 52 39 13-0157	EA	700 HP, 23,433 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	506,770.36	6,930.30	
23 52 39 13-0158	EA	800 HP, 26,780 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	566,412.93	7,467.99	
23 52 39 13-0159	EA	900 HP, 30,128 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	885,504.33	8,005.69	
23 52 39 13-0160	EA	1,000 HP, 33,476 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	963,608.23	8,543.38	
23 52 39 13-0161 150 PSI Oil Fired Steam Scotch Marine Boilers (23 52 39 13-0138)					
23 52 39 13-0162	EA	40 HP, 1,339 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	85,174.23	1,433.86	
23 52 39 13-0163	EA	50 HP, 1,674 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	92,510.37	1,553.34	
23 52 39 13-0164	EA	60 HP, 2,009 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	100,693.53	1,792.32	
23 52 39 13-0165	EA	70 HP, 2,343 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	105,013.22	1,911.80	
23 52 39 13-0166	EA	80 HP, 2,678 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	109,324.24	2,031.29	
23 52 39 13-0167	EA	90 HP, 3,013 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	113,401.59	2,091.04	
23 52 39 13-0168	EA	100 HP, 3,348 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	121,600.32	2,150.78	
23 52 39 13-0169	EA	125 HP, 4,184 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	140,857.27	2,389.76	
23 52 39 13-0170	EA	150 HP, 5,021 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	160,141.74	2,628.73	
23 52 39 13-0171	EA	175 HP, 5,858 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	175,640.21	2,897.59	
23 52 39 13-0172	EA	200 HP, 6,695 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	191,136.23	3,166.43	
23 52 39 13-0173	EA	250 HP, 8,369 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	201,239.78	3,704.12	
23 52 39 13-0174	EA	300 HP, 10,043 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	245,009.04	4,241.82	
23 52 39 13-0175	EA	350 HP, 11,716 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	265,030.00	4,779.51	
23 52 39 13-0176	EA	400 HP, 13,390 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	312,393.44	5,317.21	
23 52 39 13-0177	EA	500 HP, 16,738 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	380,024.38	5,854.91	
23 52 39 13-0178	EA	600 HP, 20,085 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	445,021.66	6,392.60	
23 52 39 13-0179	EA	700 HP, 23,433 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	507,248.51	6,930.30	
23 52 39 13-0180	EA	800 HP, 26,780 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	566,948.94	7,467.99	
23 52 39 13-0181	EA	900 HP, 30,128 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	886,356.80	8,005.69	
23 52 39 13-0182	EA	1,000 HP, 33,476 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	964,539.80	8,543.38	
23 52 39 13-0183 150 PSI Gas/Oil Fired Steam Scotch Marine Boilers (23 52 39 13-0138)					
23 52 39 13-0184	EA	40 HP, 1,339 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	94,992.92	1,433.86	
23 52 39 13-0185	EA	50 HP, 1,674 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	103,175.71	1,553.34	
23 52 39 13-0186	EA	60 HP, 2,009 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	108,276.82	1,792.32	
23 52 39 13-0187	EA	70 HP, 2,343 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	112,907.15	1,911.80	
23 52 39 13-0188	EA	80 HP, 2,678 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	117,528.82	2,031.29	
23 52 39 13-0189	EA	90 HP, 3,013 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	121,919.85	2,091.04	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0190 EA 100 HP, 3,348 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	126,308.66	2,150.78
23 52 39 13-0191 EA 125 HP, 4,184 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	146,330.04	2,389.76
23 52 39 13-0192 EA 150 HP, 5,021 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	166,375.88	2,628.73
23 52 39 13-0193 EA 175 HP, 5,858 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	182,474.31	2,897.59
23 52 39 13-0194 EA 200 HP, 6,695 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	198,573.34	3,166.43
23 52 39 13-0195 EA 250 HP, 8,369 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	209,008.85	3,704.12
23 52 39 13-0196 EA 300 HP, 10,043 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	254,511.00	4,241.82
23 52 39 13-0197 EA 350 HP, 11,716 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	275,275.06	4,779.51
23 52 39 13-0198 EA 400 HP, 13,390 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	324,523.67	5,317.21
23 52 39 13-0199 EA 500 HP, 16,738 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	394,886.42	5,854.91
23 52 39 13-0200 EA 600 HP, 20,085 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	462,496.74	6,392.60
23 52 39 13-0201 EA 700 HP, 23,433 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	527,230.03	6,930.30
23 52 39 13-0202 EA 800 HP, 26,780 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	589,327.27	7,467.99
23 52 39 13-0203 EA 900 HP, 30,128 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	921,954.22	8,005.69
23 52 39 13-0204 EA 1,000 HP, 33,476 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	1,003,301.04	8,543.38

23 53 Heating Boiler Feedwater Equipment (23 50)

23 53 13 Boiler Feedwater Pumps (23 53)

See CSI section 23 53 16 00-0001 for boiler feedwater units.

23 53 16 Deaerators (23 53)

23 53 16 00-0001 Boiler Feed System (23 53 16)

23 53 16 00-0002 Low Pressure Boiler Feed System (23 53 16 00-0001)

Note: With deaerator includes pumps and accessories.

23 53 16 00-0003 EA 20 HP, 200 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	7,191.76	1,430.79
23 53 16 00-0004 EA 34 HP, 340 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	7,779.49	1,685.62
23 53 16 00-0005 EA 54 HP, 530 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	8,349.46	1,744.67
23 53 16 00-0006 EA 67 HP, 660 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	8,617.17	1,808.69
23 53 16 00-0007 EA 78 HP, 760 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	9,120.54	1,933.00
23 53 16 00-0008 EA 104 HP, 1,020 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	14,482.22	2,094.60
23 53 16 00-0009 EA 158 HP, 1,550 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	16,326.81	2,237.56
23 53 16 00-0010 EA 219 HP, 2,150 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	18,714.88	2,548.32
23 53 16 00-0011 EA 254 HP, 2,500 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	20,587.46	2,734.79
23 53 16 00-0012 EA 305 HP, 3,000 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	22,178.01	2,921.25

23 53 16 00-0013 High Pressure Boiler Feed System (23 53 16 00-0001)

Note: With deaerator includes pumps and accessories.

23 53 16 00-0014 EA 10 HP, 100 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	9,898.99	1,219.84
23 53 16 00-0015 EA 20 HP, 200 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	10,330.45	1,430.79
23 53 16 00-0016 EA 34 HP, 340 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	11,506.81	1,685.62
23 53 16 00-0017 EA 54 HP, 530 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	12,427.65	1,744.67
23 53 16 00-0018 EA 67 HP, 660 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	12,647.87	1,808.69
23 53 16 00-0019 EA 78 HP, 760 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	15,241.42	1,933.00
23 53 16 00-0020 EA 104 HP, 1,020 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	19,788.13	2,094.60
23 53 16 00-0021 EA 158 HP, 1,550 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	20,308.95	2,237.56
23 53 16 00-0022 EA 183 HP, 1,800 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	22,332.93	2,396.17
23 53 16 00-0023 EA 219 HP, 2,150 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	24,029.15	2,548.32
23 53 16 00-0024 EA 254 HP, 2,500 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	25,705.38	2,734.79
23 53 16 00-0025 EA 305 HP, 3,000 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	27,730.82	2,921.25

23 53 16 00-0026 Boiler Feedwater System (23 53 16)

Note: With deaerator includes pumps and accessories.

23 53 16 00-0027 EA 1,380 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories.....	12,385.19	1,685.62
23 53 16 00-0028 EA 2,600 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories.....	16,122.69	1,931.13
23 53 16 00-0029 EA 4,300 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories.....	21,249.15	2,210.20
23 53 16 00-0030 EA 6,900 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories.....	25,553.06	2,549.57
23 53 16 00-0031 EA 8,500 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories.....	27,122.04	2,734.79
23 53 16 00-0032 EA 11,000 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	28,616.53	2,921.25
23 53 16 00-0033 EA 13,800 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	31,866.31	3,356.46
23 53 16 00-0034 EA 17,250 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	41,171.63	3,853.81
23 53 16 00-0035 EA 20,700 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	53,406.66	4,452.99
23 53 16 00-0036 EA 27,600 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	67,575.96	5,111.57
23 53 16 00-0037 EA 34,500 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	86,545.32	5,881.04

23 53 16 00-0038 Duplex Vacuum Condensate Pumps (23 53 16)

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 53 Heating Boiler Feedwater Equipment**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 53 16 00-0039	EA	7 CFM, 15 GPM, 45 Gallon Duplex Vacuum Condensate Pump..... Note: Two 3/4 HP vacuum pumps rated for 7 CFM, two 3/4 HP condensate pumps rated for 15 GPM at 20 PSI and 45 GAL cast iron receiver. Skidmore JVC-7-45-102.	34,152.43	994.47
23 53 16 00-0040	EA	9 CFM, 30 GPM, 45 Gallon Duplex Vacuum Condensate Pump..... Note: Two 1 HP vacuum pumps rated for 9 CFM, two 3/4 HP condensate pumps rated for 30 GPM at 15 PSI and 45 GAL cast iron receiver. Skidmore JVC-9-45-201.5.	34,922.36	1,056.62
23 53 16 00-0041	EA	12 CFM, 45 GPM, 45 Gallon Duplex Vacuum Condensate Pump..... Note: Two 1-1/2 HP vacuum pumps rated for 12 CFM, two 1 HP condensate pumps rated for 45 GPM at 15 PSI and 45 GAL cast iron receiver. Skidmore JVC-12-45-301.5.	35,809.67	1,118.78
23 53 16 00-0042	EA	18 CFM, 37.5 GPM, 65 Gallon Duplex Vacuum Condensate Pump..... Note: Two 2 HP vacuum pumps rated for 18 CFM, two 1 HP condensate pumps rated for 37.5 GPM at 20 PSI and 65 GAL cast iron receiver. Skidmore JVC-18-65-252.	34,577.97	1,180.93
23 53 16 00-0043	EA	28 CFM, 60 GPM, 110 Gallon Duplex Vacuum Condensate Pump..... Note: Two 3 HP vacuum pumps rated for 28 CFM, two 1-1/2 HP condensate pumps rated for 60 GPM at 20 PSI and 110 GAL cast iron receiver. Skidmore JVC-28-110-402.	46,975.10	1,243.09
23 53 16 00-0044	EA	42 CFM, 75 GPM, 110 Gallon Duplex Vacuum Condensate Pump..... Note: Two 5 HP vacuum pumps rated for 42 CFM, two 2 HP condensate pumps rated for 75 GPM at 20 PSI and 110 GAL cast iron receiver. Skidmore JVC-42-110-502.	49,447.10	1,305.24

23 54 Furnaces (23 50)

Note: All units based on output. See CSI section 23 84 13 00-0000 for humidifiers.

23 54 13 Electric-Resistance Furnaces (23 54)

23 54 13 00-0001	Down Flow Multi-Speed Air Handler/Electric Furnace (23 54 13)			
23 54 13 00-0002	EA	Up To 2 Ton Down Flow Multi-Speed Air Handler/Electric Furnace Note: Excludes cooling equipment.	1,396.85	162.74
23 54 13 00-0003	EA	>2 To 2.5 Ton Down Flow Multi-Speed Air Handler/Electric Furnace Note: Excludes cooling equipment.	1,830.98	203.43
23 54 13 00-0004	EA	>3.5 To 5 Ton Down Flow Multi-Speed Air Handler/Electric Furnace Note: Excludes cooling equipment.	2,345.01	244.12
23 54 13 00-0005	Up/Horizontal Flow Multi-Speed Air Handler/Electric Furnace (23 54 13)			
23 54 13 00-0006	EA	Up To 2 Ton Up/Horizontal Flow Multi-Speed Air Handler/Electric Furnace Note: Excludes cooling equipment.	1,396.85	162.74
23 54 13 00-0007	EA	>2 To 2.5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace Note: Excludes cooling equipment.	1,656.36	183.09
23 54 13 00-0008	EA	>2.5 To 3 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace Note: Excludes cooling equipment.	1,814.33	203.43
23 54 13 00-0009	EA	>3 To 3.5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace Note: Excludes cooling equipment.	1,912.35	223.78
23 54 13 00-0010	EA	>3.5 To 5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace Note: Excludes cooling equipment.	2,345.01	244.12
23 54 13 00-0011	Heating Coil For Air Handler/Electric Furnace (23 54 13)			
23 54 13 00-0012	EA	5 KW Heating Coil For Air Handler/Electric Furnace (23 54 13)	209.12	29.40
23 54 13 00-0013	EA	7 KW Heating Coil For Air Handler/Electric Furnace	239.19	32.33
23 54 13 00-0014	EA	10 KW Heating Coil For Air Handler/Electric Furnace	259.28	35.27
23 54 13 00-0015	EA	15 KW Heating Coil For Air Handler/Electric Furnace	354.29	38.21
23 54 13 00-0016	EA	20 KW Heating Coil For Air Handler/Electric Furnace	382.69	41.15

23 54 16 Fuel-Fired Furnaces (23 54)**23 54 16 13 Gas-Fired Furnaces** (23 54 16)

23 54 16 13-0001	Natural Gas Fired Forced Air Furnaces (23 54 16 13)				
Note: Excludes flue, condenser, evaporator coil, piping, thermostat, ductwork and electrical connections.					
23 54 16 13-0002	Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace (23 54 16 13-0001)				
23 54 16 13-0003	EA	40 MBH, 800 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace.....	2,054.70	142.40	
Note: Blower cooling capacity up to 3 tons.					
23 54 16 13-0004	EA	60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace.....	2,202.66	162.74	
Note: Blower cooling capacity up to 3 tons.					
23 54 16 13-0005	EA	80 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace.....	2,535.43	183.09	
Note: Blower cooling capacity up to 4 tons.					
23 54 16 13-0006	EA	100 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace.....	2,976.22	223.78	
Note: Blower cooling capacity up to 5 tons.					
23 54 16 13-0007	EA	120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace.....	3,182.46	244.12	
Note: Blower cooling capacity up to 5 tons.					
23 54 16 13-0008	Up/Horizontal Flow Variable Speed, Two Stage 95% AFUE Gas Furnace (23 54 16 13-0001)				
23 54 16 13-0009	EA	40 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace	2,267.79	142.40	
Note: Blower cooling capacity up to 3 tons.					
23 54 16 13-0010	EA	60 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace	2,492.35	162.74	
Note: Blower cooling capacity up to 3 tons.					
23 54 16 13-0011	EA	80 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace	2,656.58	183.09	
Note: Blower cooling capacity up to 3 tons.					
23 54 16 13-0012	EA	80 MBH, 1,600 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace	3,387.76	203.43	
Note: Blower cooling capacity up to 3.5 tons.					
23 54 16 13-0013	EA	100 MBH, 2,000 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace	3,144.37	223.78	
Note: Blower cooling capacity up to 5 tons.					

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 54 16 13-0014	EA	120 MBH, 2,000 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	3,325.64	244.12
23 54 16 13-0015		Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace (23 54 16 13-0001)		
23 54 16 13-0016	EA	45 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	2,017.99	142.40
23 54 16 13-0017	EA	70 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	2,315.81	162.74
23 54 16 13-0018	EA	90 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	2,545.15	203.43
23 54 16 13-0019	EA	90 MBH, 2,000 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,726.42	223.78
23 54 16 13-0020		Down Flow Variable Speed, Two Stage 93% AFUE Gas Furnace (23 54 16 13-0001)		
23 54 16 13-0021	EA	40 MBH, 1,200 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 4 tons.	2,594.11	142.40
23 54 16 13-0022	EA	60 MBH, 1,200 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 3 tons.	2,748.75	162.74
23 54 16 13-0023	EA	80 MBH, 1,600 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 4 tons.	3,063.20	183.09
23 54 16 13-0024	EA	100 MBH, 2,000 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 4 tons.	3,375.79	223.78
23 54 16 13-0025	EA	120 MBH, 2,000 CFM Down Flow Variable Speed, Two Stage 93% AFUE Gas Furnace..... Note: Blower cooling capacity up to 5 tons.	3,623.65	244.12
23 54 16 13-0026		Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace (23 54 16 13-0001)		
23 54 16 13-0027	EA	40 MBH, 800 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,851.57	142.40
23 54 16 13-0028	EA	60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,967.91	162.74
23 54 16 13-0029	EA	80 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	2,197.46	183.09
23 54 16 13-0030	EA	80 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	2,214.10	183.09
23 54 16 13-0031	EA	80 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,420.35	203.43
23 54 16 13-0032	EA	100 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,563.32	223.78
23 54 16 13-0033	EA	120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,726.27	244.12
23 54 16 13-0034		Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace (23 54 16 13-0001)		
23 54 16 13-0035	EA	40 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,340.44	142.40
23 54 16 13-0036	EA	60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,475.10	162.74
23 54 16 13-0037	EA	60 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,683.00	183.09
23 54 16 13-0038	EA	80 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,684.67	183.09
23 54 16 13-0039	EA	80 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,852.62	203.43
23 54 16 13-0040	EA	100 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,920.67	223.78
23 54 16 13-0041	EA	120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,128.57	244.12
23 54 16 13-0042		Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace (23 54 16 13-0001)		
23 54 16 13-0043	EA	40 MBH, 1,200 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 3 tons.	1,357.09	142.40
23 54 16 13-0044	EA	60 MBH, 1,200 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 3 tons.	1,480.09	162.74
23 54 16 13-0045	EA	80 MBH, 1,600 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 4 tons.	1,757.92	183.09
23 54 16 13-0046	EA	100 MBH, 2,000 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 5 tons.	1,937.53	203.43
23 54 16 13-0047		75% AFUE Gas Wall/Recessed Furnace (23 54 16 13-0001)		
23 54 16 13-0048	EA	35 MBH 75% AFUE Electronic Ignition Gas Wall/Recessed Furnace Note: Includes burner, controls and electronic ignition.	2,154.72	122.06
23 54 16 13-0049	EA	55 MBH 75% AFUE Electronic Ignition Gas Wall/Recessed Furnace Note: Includes burner, controls and electronic ignition.	2,501.54	152.65
23 54 16 13-0050	EA	35 MBH 75% AFUE Gas Wall/Recessed Furnace..... Note: Includes burner, controls and electronic ignition.	1,963.26	122.06
23 54 16 13-0051	EA	40 MBH 75% AFUE Gas Wall/Recessed Furnace..... Note: Includes burner, controls and electronic ignition.	2,100.50	132.31
23 54 16 13-0052	EA	50 MBH 75% AFUE Gas Wall/Recessed Furnace..... Note: Includes burner, controls and electronic ignition.	2,096.24	142.40
23 54 16 13-0053	EA	65 MBH 75% AFUE Gas Wall/Recessed Furnace..... Note: Includes burner, controls and electronic ignition.	2,166.98	152.65
23 54 16 13-0054	EA	75 MBH 75% AFUE Gas Wall/Recessed Furnace..... Note: Includes burner, controls and electronic ignition.	2,237.03	152.65
23 54 16 13-0055		Gas Fired Indoor Duct Furnace (23 54 16 13-0001)		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 54 Furnaces**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 54 16 13-0056	Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace (23 54 16 13-0055)		
23 54 16 13-0057	EA 100 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	2,943.33	317.36
23 54 16 13-0058	EA 150 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	3,289.89	390.59
23 54 16 13-0059	EA 200 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	3,770.19	561.47
23 54 16 13-0060	EA 250 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	4,252.79	634.71
23 54 16 13-0061	EA 300 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	4,954.62	732.36
23 54 16 13-0062	EA 350 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	5,467.15	878.83
23 54 16 13-0063	EA 400 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	6,288.16	1,171.78

23 54 16 13-0064	Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace (23 54 16 13-0055)		
	Note: Includes burner, controls and electronic ignition.		
23 54 16 13-0065	EA 100 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	3,285.10	317.36
23 54 16 13-0066	EA 150 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	3,626.55	390.59
23 54 16 13-0067	EA 200 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	4,232.68	561.47
23 54 16 13-0068	EA 250 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	4,798.59	634.71
23 54 16 13-0069	EA 300 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	5,896.60	732.36
23 54 16 13-0070	EA 350 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	6,489.05	878.83
23 54 16 13-0071	EA 400 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	7,253.93	1,171.78

23 54 16 16 Oil-Fired Furnaces (23 54 16)

23 54 16 16-0001	Oil Fired Forced Air Furnaces (23 54 16 16)		
	Note: Excludes flue, condenser, evaporator coil, piping, thermostat, ductwork and electrical connections.		
23 54 16 16-0002	Up Flow Single Speed, One Stage 81% AFUE Oil Furnace (23 54 16 16-0001)		
23 54 16 16-0003	EA 72 MBH, 1,220 CFM Up Flow Single Speed, One Stage 84% AFUE Oil Furnace.....	3,434.69	162.74
	Note: Blower cooling capacity up to 3 tons.		
23 54 16 16-0004	EA 95 MBH, 1,590 CFM Up Flow Single Speed, One Stage 83% AFUE Oil Furnace.....	3,715.43	223.78
	Note: Blower cooling capacity up to 4 tons.		
23 54 16 16-0005	EA 126 MBH, 1,835 CFM Up Flow Single Speed, One Stage 83% AFUE Oil Furnace.....	4,296.06	264.47
	Note: Blower cooling capacity up to 5 tons.		

23 54 16 16-0006	Down/Horizontal Flow Single Speed, One Stage 81% AFUE Oil Furnace (23 54 16 16-0001)		
23 54 16 16-0007	EA 95 MBH, 1,210 CFM Down/Horizontal Flow Single Speed, One Stage 83% AFUE Oil Furnace	4,025.11	223.78
	Note: Blower cooling capacity up to 3 tons.		
23 54 16 16-0008	EA 126 MBH, 2,005 CFM Down/Horizontal Flow Single Speed, One Stage 84% AFUE Oil Furnace	4,107.93	264.47
	Note: Blower cooling capacity up to 5 tons.		

23 54 16 16-0009	Up Flow Lowboy Single Speed, One Stage 81% AFUE Oil Furnace (23 54 16 16-0001)		
23 54 16 16-0010	EA 95 MBH, 1,550 CFM Up Flow Lowboy Single Speed, One Stage 83% AFUE Oil Furnace	3,518.98	223.78
	Note: Blower cooling capacity up to 4 tons.		
23 54 16 16-0011	EA 127 MBH, 2,130 CFM Up Flow Lowboy Single Speed, One Stage 83% AFUE Oil Furnace	4,176.19	264.47
	Note: Blower cooling capacity up to 5 tons.		

23 54 19 Furnace Accessories (23 54)

23 54 19 00-0001	EA LP Gas Furnace Conversion Kit	255.76	40.69
23 54 19 00-0002	EA 1" Furnace External Filter Rack	75.82	
23 54 19 00-0003	EA Removal And Reinstallation Of Forced Air Furnace	753.46	
	Note: Includes storage and cleaning. Excludes ductwork.		

23 55 Fuel-Fired Heaters (23 50)**23 55 23 Gas-Fired Radiant Heaters** (23 55)**23 55 23 13 Low-Intensity Gas-Fired Radiant Heaters** (23 55 23)

23 55 23 13-0001	Infrared Heaters-Radiant Energy (23 55 23 13)		
	Note: For spot localized or total heating, ceiling hung units, no fan required.		
23 55 23 13-0002	Gas Fired Electric Ignition Infrared Gas Heater (23 55 23 13-0001)		
	Note: Ceramic combustion, surface chromized wire screen aluminized steel housing and polished aluminum reflector.		
23 55 23 13-0003	EA 15,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan.....	985.22	124.31
23 55 23 13-0004	EA 37,500 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan.....	1,092.70	136.74
23 55 23 13-0005	EA 50,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan.....	1,166.11	136.74
23 55 23 13-0006	EA 75,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan.....	1,460.50	164.09
23 55 23 13-0007	EA 100,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan.....	1,472.87	164.09

23 55 23 13-0008	Rolled Steel Or Aluminum Housing Infrared Electric Heater (23 55 23 13-0001)		
	Note: Anodized aluminum reflector and quartz/tungsten tubular element with an inner heavy-duty coiled element.		
23 55 23 13-0009	EA 1,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	1,243.03	179.02
	For Stainless Steel Housing, Add 175.14		
23 55 23 13-0010	EA 3,200 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	1,318.48	179.02
	For Stainless Steel Housing, Add 194.00		
23 55 23 13-0011	EA 5,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	1,404.70	179.02
	For Stainless Steel Housing, Add 215.55		
23 55 23 13-0012	EA 7,300 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	1,508.35	179.02
	For Stainless Steel Housing, Add 241.47		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 55 23 13-0013	EA	10,950 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required <i>For Stainless Steel Housing, Add</i>	1,637.75 269.06	195.29
23 55 23 13-0014	EA	13,500 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required <i>For Stainless Steel Housing, Add</i>	1,745.48 289.76	211.57
23 55 23 13-0015	EA	24,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required <i>For Stainless Steel Housing, Add</i>	2,721.32 517.43	227.85
23 55 23 13-0016		Gas Fired Tubular Infrared Heater (23 55 23 13-0001) Note: Per Tube Length. Includes controls and supports.		
23 55 23 13-0017		"U" Package (23 55 23 13-0016)		
23 55 23 13-0018	LF	Up To 75 MBH Input Radiant Heater.....	94.51	6.21
23 55 23 13-0019	LF	76 To 105 MBH Input Radiant Heater.....	109.07	7.46
23 55 23 13-0020	LF	106 To 130 MBH Input Radiant Heater.....	133.24	8.70
23 55 23 13-0021		"S" Straight Package (23 55 23 13-0016)		
23 55 23 13-0022	LF	Up To 75 MBH Input Radiant Heater.....	76.85	4.97
23 55 23 13-0023	LF	76 To 105 MBH Input Radiant Heater.....	97.77	6.21
23 55 23 13-0024	LF	106 To 130 MBH Input Radiant Heater.....	118.67	7.46
23 55 33		Fuel-Fired Unit Heaters (23 55)		
23 55 33 13		Oil-Fired Unit Heaters (23 55 33)		
23 55 33 13-0001		Oil Fired Unit Heater (23 55 33 13)		
23 55 33 13-0002		Horizontal Fan Propelled Oil Fired Unit Heater, 115 Volt, 1 phase (23 55 33 13-0001)		
23 55 33 13-0003	EA	97 MBH Output, 2,000 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt <i>For 3 Phase, 460 Volt, Add</i>	6,122.99 642.19	572.39
23 55 33 13-0004	EA	142 MBH Output, 3,200 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt <i>For 3 Phase, 460 Volt, Add</i>	6,578.72 686.23	629.63
23 55 33 13-0005	EA	188 MBH Output, 3,200 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt <i>For 3 Phase, 460 Volt, Add</i>	7,073.54 735.24	686.87
23 55 33 16		Gas-Fired Unit Heaters (23 55 33)		
23 55 33 16-0001		Gas Fired Unit Heaters (23 55 33 16)		
23 55 33 16-0002		Horizontal Fan Propelled Natural Gas Fired Unit Heaters, 115 Vol, 1 phase (23 55 33 16-0001) Note: 80 to 83 percent thermal efficiency, single stage, propeller unit, aluminum steel heat exchanger		
23 55 33 16-0003	EA	24.3 MBH Output, 30 MBH Input, 500 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt <i>For 90 Percent Efficiency, Add</i> <i>For Stainless Steel Heat Exchanger, Add</i> <i>For 30 Degree, Downward Air Deflection Hood, Add</i> <i>For 60 Degree, Downward Air Deflection Hood, Add</i> <i>For 90 Degree, Downward Air Deflection Hood, Add</i> <i>For 3 Phase, 460 Volt, Add</i> <i>For Quick-Swivel Flush Mount With Brackets, Add</i>	2,783.27 788.59 205.97 56.50 90.63 135.35 303.66 175.00	214.65
23 55 33 16-0004	EA	36.5 MBH Output, 45 MBH Input, 750 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt <i>For 90 Percent Efficiency, Add</i> <i>For Stainless Steel Heat Exchanger, Add</i> <i>For 30 Degree, Downward Air Deflection Hood, Add</i> <i>For 60 Degree, Downward Air Deflection Hood, Add</i> <i>For 90 Degree, Downward Air Deflection Hood, Add</i> <i>For 3 Phase, 460 Volt, Add</i> <i>For Quick-Swivel Flush Mount With Brackets, Add</i>	3,030.89 842.79 220.13 60.38 96.86 144.66 324.54 175.00	257.58
23 55 33 16-0005	EA	48.6 MBH Output, 60 MBH Input, 1,000 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt <i>For Blower Unit Model, Add</i> <i>For 90 Percent Efficiency, Add</i> <i>For Stainless Steel Heat Exchanger, Add</i> <i>For 30 Degree, Downward Air Deflection Hood, Add</i> <i>For 60 Degree, Downward Air Deflection Hood, Add</i> <i>For 90 Degree, Downward Air Deflection Hood, Add</i> <i>For 3 Phase, 460 Volt, Add</i> <i>For Quick-Swivel Flush Mount With Brackets, Add</i>	3,080.20 243.68 859.31 224.45 61.56 98.76 147.49 330.90 175.00	257.58
23 55 33 16-0006	EA	60.8 MBH Output, 75 MBH Input, 1,250 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt <i>For Blower Unit Model, Add</i> <i>For 90 Percent Efficiency, Add</i> <i>For Stainless Steel Heat Exchanger, Add</i> <i>For 30 Degree, Downward Air Deflection Hood, Add</i> <i>For 60 Degree, Downward Air Deflection Hood, Add</i> <i>For 90 Degree, Downward Air Deflection Hood, Add</i> <i>For 3 Phase, 460 Volt, Add</i> <i>For Quick-Swivel Flush Mount With Brackets, Add</i>	3,351.57 261.30 921.44 240.67 66.01 105.90 158.16 354.82 175.00	300.51
23 55 33 16-0007	EA	72.9 MBH Output, 90 MBH Input, 1,400 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt <i>For Blower Unit Model, Add</i> <i>For 90 Percent Efficiency, Add</i> <i>For Stainless Steel Heat Exchanger, Add</i> <i>For 30 Degree, Downward Air Deflection Hood, Add</i> <i>For 60 Degree, Downward Air Deflection Hood, Add</i> <i>For 90 Degree, Downward Air Deflection Hood, Add</i> <i>For 3 Phase, 460 Volt, Add</i> <i>For Quick-Swivel Flush Mount With Brackets, Add</i>	3,678.11 284.17 1,002.08 261.74 71.79 115.16 172.00 385.88 175.00	343.44

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 55 Fuel-Fired Heaters**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 55 33 16-0008	EA	81 MBH Output, 100 MBH Input, 1,600 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	3,949.91	364.90
		For Blower Unit Model, Add	305.92	
		For 90 Percent Efficiency, Add	1,078.76	
		For Stainless Steel Heat Exchanger, Add	281.77	
		For 30 Degree, Downward Air Deflection Hood, Add	77.28	
		For 60 Degree, Downward Air Deflection Hood, Add	123.98	
		For 90 Degree, Downward Air Deflection Hood, Add	185.16	
		For 3 Phase, 460 Volt, Add	415.40	
		For Quick-Swivel Flush Mount With Brackets, Add	175.00	
23 55 33 16-0009	EA	101.3 MBH Output, 125 MBH Input, 2,200 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	4,074.24	364.90
		For Blower Unit Model, Add	317.73	
		For 90 Percent Efficiency, Add	1,120.41	
		For Stainless Steel Heat Exchanger, Add	292.64	
		For 30 Degree, Downward Air Deflection Hood, Add	80.27	
		For 60 Degree, Downward Air Deflection Hood, Add	128.76	
		For 90 Degree, Downward Air Deflection Hood, Add	192.31	
		For 3 Phase, 460 Volt, Add	431.44	
		For Quick-Swivel Flush Mount With Brackets, Add	175.00	
23 55 33 16-0010	EA	121.5 MBH Output, 150 MBH Input, 2,400 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	4,187.77	364.90
		For Blower Unit Model, Add	328.51	
		For 90 Percent Efficiency, Add	1,158.44	
		For Stainless Steel Heat Exchanger, Add	302.58	
		For 30 Degree, Downward Air Deflection Hood, Add	82.99	
		For 60 Degree, Downward Air Deflection Hood, Add	133.13	
		For 90 Degree, Downward Air Deflection Hood, Add	198.84	
		For 3 Phase, 460 Volt, Add	446.09	
		For Quick-Swivel Flush Mount With Brackets, Add	175.00	
23 55 33 16-0011	EA	141.8 MBH Output, 175 MBH Input, 2,850 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	4,750.54	386.37
		For Blower Unit Model, Add	377.90	
		For 90 Percent Efficiency, Add	1,332.59	
		For Stainless Steel Heat Exchanger, Add	348.06	
		For 30 Degree, Downward Air Deflection Hood, Add	95.47	
		For 60 Degree, Downward Air Deflection Hood, Add	153.15	
		For 90 Degree, Downward Air Deflection Hood, Add	228.73	
		For 3 Phase, 460 Volt, Add	513.15	
		For Quick-Swivel Flush Mount With Brackets, Add	175.00	
23 55 33 16-0012	EA	162 MBH Output, 200 MBH Input, 3,200 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	5,235.93	386.37
		For Blower Unit Model, Add	424.01	
		For 90 Percent Efficiency, Add	1,495.19	
		For Stainless Steel Heat Exchanger, Add	390.54	
		For 30 Degree, Downward Air Deflection Hood, Add	107.12	
		For 60 Degree, Downward Air Deflection Hood, Add	171.84	
		For 90 Degree, Downward Air Deflection Hood, Add	256.64	
		For 3 Phase, 460 Volt, Add	575.76	
		For Quick-Swivel Flush Mount With Brackets, Add	175.00	
23 55 33 16-0013	EA	202.5 MBH Output, 250 MBH Input, 3,450 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	5,638.45	386.37
		For Blower Unit Model, Add	462.25	
		For 90 Percent Efficiency, Add	1,630.04	
		For Stainless Steel Heat Exchanger, Add	425.76	
		For 30 Degree, Downward Air Deflection Hood, Add	116.78	
		For 60 Degree, Downward Air Deflection Hood, Add	187.33	
		For 90 Degree, Downward Air Deflection Hood, Add	279.78	
		For 3 Phase, 460 Volt, Add	627.69	
		For Quick-Swivel Flush Mount With Brackets, Add	175.00	
23 55 33 16-0014	EA	243 MBH Output, 300 MBH Input, 5,000 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	6,762.34	429.30
		For Blower Unit Model, Add	560.85	
		For 90 Percent Efficiency, Add	1,977.73	
		For Stainless Steel Heat Exchanger, Add	516.57	
		For 30 Degree, Downward Air Deflection Hood, Add	141.69	
		For 60 Degree, Downward Air Deflection Hood, Add	227.29	
		For 90 Degree, Downward Air Deflection Hood, Add	339.46	
		For 3 Phase, 460 Volt, Add	761.57	
		For Quick-Swivel Flush Mount With Brackets, Add	175.00	
23 55 33 16-0015	EA	283.5 MBH Output, 350 MBH Input, 5,600 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	7,673.93	429.30
		For Blower Unit Model, Add	647.45	
		For 90 Percent Efficiency, Add	2,283.11	
		For Stainless Steel Heat Exchanger, Add	596.33	
		For 30 Degree, Downward Air Deflection Hood, Add	163.57	
		For 60 Degree, Downward Air Deflection Hood, Add	262.39	
		For 90 Degree, Downward Air Deflection Hood, Add	391.88	
		For 3 Phase, 460 Volt, Add	879.17	
		For Quick-Swivel Flush Mount With Brackets, Add	175.00	
23 55 33 16-0016	EA	324 MBH Output, 400 MBH Input, 5,800 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	8,225.37	472.23
		For Blower Unit Model, Add	691.69	
		For 90 Percent Efficiency, Add	2,439.11	
		For Stainless Steel Heat Exchanger, Add	637.08	
		For 30 Degree, Downward Air Deflection Hood, Add	174.74	
		For 60 Degree, Downward Air Deflection Hood, Add	280.32	
		For 90 Degree, Downward Air Deflection Hood, Add	418.65	
		For 3 Phase, 460 Volt, Add	939.24	
		For Quick-Swivel Flush Mount With Brackets, Add	175.00	

23 55 33 16-0017 Removal And Reinstallation Of Unit Heaters (23 55 33 16)

Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.

23 55 33 16-0018	EA	Removal And Reinstallation Of Up To 101.3 MBH Output Gas or Oil Unit Heater.....	714.77	
23 55 33 16-0019	EA	Removal And Reinstallation Of >101.3 MBH Output Gas or Oil Unit Heater	963.39	

23 57 Heat Exchangers for HVAC (23 50)

23 57 13 Steam-To-Steam Heat Exchangers (23 57)
23 57 13 00-0001 Steam Generator Heat Exchanger (23 57 13)

Note: 35 PSI generated steam using 180 degree feed water; 400 degree F water to valve.

23 57 13 00-0002	EA	75 Lb./Hour Steam Generator Heat Exchanger, 35 PSI	22,704.76	1,988.94
23 57 13 00-0003	EA	300 Lb./Hour Steam Generator Heat Exchanger, 35 PSI	30,666.04	2,113.25
23 57 13 00-0004	EA	525 Lb./Hour Steam Generator Heat Exchanger, 35 PSI	41,332.66	2,609.20

23 57 16 Steam-To-Water Heat Exchangers (23 57)
23 57 16 00-0001 Heat Exchanger, Hot Water 40 To 180 Degree By Steam 10 PSI (23 57 16)

Note: Cast iron head steel shell 4 pass 3/4" outside diameter copper tubes. Excludes controls expansion tank and accessories.

23 57 16 00-0002	EA	8 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	2,644.28	310.77
		For Copper Nickel Tubes, Add	222.99	
		For Bronze Head And Tube Sheet, Add	1,003.46	
		For Double Wall Tube Bundles, Add	334.49	
23 57 16 00-0003	EA	10 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	3,873.96	310.77
		For Copper Nickel Tubes, Add	337.67	
		For Bronze Head And Tube Sheet, Add	1,519.52	
		For Double Wall Tube Bundles, Add	506.51	
23 57 16 00-0004	EA	40 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	5,845.90	435.08
		For Copper Nickel Tubes, Add	522.44	
		For Bronze Head And Tube Sheet, Add	2,350.96	
		For Double Wall Tube Bundles, Add	783.65	
23 57 16 00-0005	EA	64 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	9,207.06	435.08
		For Copper Nickel Tubes, Add	796.40	
		For Bronze Head And Tube Sheet, Add	3,583.79	
		For Double Wall Tube Bundles, Add	1,194.60	
23 57 16 00-0006	EA	96 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	12,130.00	512.16
		For Copper Nickel Tubes, Add	1,057.62	
		For Bronze Head And Tube Sheet, Add	4,759.27	
		For Double Wall Tube Bundles, Add	1,586.42	
23 57 16 00-0007	EA	120 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	15,942.91	646.84
		For Copper Nickel Tubes, Add	1,388.92	
		For Bronze Head And Tube Sheet, Add	6,250.12	
		For Double Wall Tube Bundles, Add	2,083.37	
23 57 16 00-0008	EA	168 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	19,680.92	970.86
		For Copper Nickel Tubes, Add	1,701.10	
		For Bronze Head And Tube Sheet, Add	7,654.97	
		For Double Wall Tube Bundles, Add	2,551.66	
23 57 16 00-0009	EA	240 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	29,841.44	970.86
		For Copper Nickel Tubes, Add	2,650.41	
		For Bronze Head And Tube Sheet, Add	11,926.84	
		For Double Wall Tube Bundles, Add	3,975.61	

23 57 19 Liquid-To-Liquid Heat Exchangers (23 57)
23 57 19 13 Plate-Type, Liquid-To-Liquid Heat Exchangers (23 57 19)
23 57 19 13-0001 Plate And Frame Heat Exchanger (23 57 19 13)

23 57 19 13-0002	EA	8" W x 18-7/8"H Plate And Frame Heat Exchanger	4,171.03	310.77
23 57 19 13-0003	EA	8" W x 24-9/16"H Plate And Frame Heat Exchanger	5,556.20	310.77
23 57 19 13-0004	EA	11-3/16" W x 34-11/16"H Plate And Frame Heat Exchanger	7,411.91	372.93
23 57 19 13-0005	EA	16-3/4" W x 46-1/4"H Plate And Frame Heat Exchanger	10,071.35	404.01
23 57 19 13-0006	EA	16-1/2" W x 49-5/8"H Plate And Frame Heat Exchanger	11,023.66	404.01
23 57 19 13-0007	EA	24" W x 57-11/16"H Plate And Frame Heat Exchanger	14,375.65	435.08
23 57 19 13-0008	EA	26-5/16" W x 56-5/8"H Plate And Frame Heat Exchanger	15,154.81	435.08
23 57 19 13-0009	EA	24-1/4" W x 68-3/8"H Plate And Frame Heat Exchanger	18,741.94	497.24
23 57 19 13-0010	EA	24" W x 69-11/16"H Plate And Frame Heat Exchanger	22,935.09	559.38
23 57 19 13-0011	EA	26-5/16" W x 68-3/4"H Plate And Frame Heat Exchanger	23,800.82	559.38
23 57 19 13-0012	EA	24" W x 89-13/16"H Plate And Frame Heat Exchanger	29,471.17	655.34
23 57 19 13-0013	EA	26-5/16" W x 88-9/16"H Plate And Frame Heat Exchanger	35,578.03	720.74
23 57 19 13-0014	EA	40-13/16" W x 89-1/4"H Plate And Frame Heat Exchanger	41,078.71	786.16

23 57 19 19 Copper Tube, Water-To-Water Heat Exchanger (23 57 19)
23 57 19 19-0001 Heat Exchanger Hot Water 40-140 Degree By Water At 200 Degree F (23 57 19)

Note: Cast iron head steel shell 4 pass 3/4" outside diameter copper tubes.

23 57 19 19-0002	EA	7 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	3,153.98	310.77
		For Copper Nickel Tubes, Add	273.96	
		For Double Wall Tube Bundles, Add	410.94	
23 57 19 19-0003	EA	16 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	4,383.66	310.77
		For Copper Nickel Tubes, Add	388.64	
		For Double Wall Tube Bundles, Add	582.96	
23 57 19 19-0004	EA	34 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	6,546.73	435.08
		For Copper Nickel Tubes, Add	592.52	
		For Double Wall Tube Bundles, Add	888.78	
23 57 19 19-0005	EA	55 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	9,366.09	435.08
		For Copper Nickel Tubes, Add	853.74	
		For Double Wall Tube Bundles, Add	1,280.61	
23 57 19 19-0006	EA	74 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	11,593.38	497.24
		For Copper Nickel Tubes, Add	1,051.24	
		For Double Wall Tube Bundles, Add	1,576.87	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 57 Heat Exchangers for HVAC**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 57 19 19-0007	EA	86 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	15,452.52	497.24
		<i>For Copper Nickel Tubes, Add</i>	1,414.40	
		<i>For Double Wall Tube Bundles, Add</i>	2,121.60	
23 57 19 19-0008	EA	112 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	19,154.95	485.43
		<i>For Copper Nickel Tubes, Add</i>	1,758.44	
		<i>For Double Wall Tube Bundles, Add</i>	2,637.67	
23 57 19 19-0009	EA	126 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	23,823.90	485.43
		<i>For Copper Nickel Tubes, Add</i>	2,191.68	
		<i>For Double Wall Tube Bundles, Add</i>	3,287.53	
23 57 19 19-0010	EA	152 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	30,460.33	485.43
		<i>For Copper Nickel Tubes, Add</i>	2,803.32	
		<i>For Double Wall Tube Bundles, Add</i>	4,204.98	

23 57 19 23 Refrigerant-To-Water Heat Exchanger (23 57 19)**23 57 19 23-0001 Heat Exchanger Refrigerant To Water (23 57 19 23)**

23 57 19 23-0002	EA	10 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube	3,563.93	248.62
		<i>For Copper Nickel Tubes, Add</i>	306.67	
		<i>For Double Wall Tube Bundles, Add</i>	460.00	
23 57 19 23-0003	EA	53 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube	9,501.84	414.32
		<i>For Copper Nickel Tubes, Add</i>	867.31	
		<i>For Double Wall Tube Bundles, Add</i>	1,300.97	
23 57 19 23-0004	EA	70 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube	12,803.96	540.50
		<i>For Copper Nickel Tubes, Add</i>	1,172.49	
		<i>For Double Wall Tube Bundles, Add</i>	1,758.73	
23 57 19 23-0005	EA	87 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube	13,733.32	654.23
		<i>For Copper Nickel Tubes, Add</i>	1,242.76	
		<i>For Double Wall Tube Bundles, Add</i>	1,864.13	
23 57 19 23-0006	EA	105 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube	16,561.04	770.99
		<i>For Copper Nickel Tubes, Add</i>	1,499.42	
		<i>For Double Wall Tube Bundles, Add</i>	2,249.13	

23 60 Central Cooling Equipment (23)

Note: Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 26 05 19 16-0011 for electrical connection and termination, 26 05 83 00-0130 for terminations, 26 28 16 16-0001 for disconnect.

23 61 Refrigerant Compressors (23 60)**23 61 16 Reciprocating Refrigerant Compressors (23 61 16)****23 61 16 00-0001 Reciprocating Open Type Refrigerant Compressors (23 61 16)**

Note: Includes manual reversible oil pump and automatic pressure regulator. Excludes muffler, vibration isolators, crank case oil heaters, couplings and flywheel.

23 61 16 00-0002	EA	1/4 Ton Refrigerant Compressor, Reciprocating Open Type	734.22	117.84
23 61 16 00-0003	EA	1/3 Ton Refrigerant Compressor, Reciprocating Open Type	871.74	117.84
23 61 16 00-0004	EA	1/2 Ton Refrigerant Compressor, Reciprocating Open Type	1,182.79	147.26
23 61 16 00-0005	EA	3/4 Ton Refrigerant Compressor, Reciprocating Open Type	1,466.43	147.26
23 61 16 00-0006	EA	1 Ton Refrigerant Compressor, Reciprocating Open Type	1,638.33	147.26
23 61 16 00-0007	EA	1-1/4 Ton Refrigerant Compressor, Reciprocating Open Type	1,660.14	153.21
23 61 16 00-0008	EA	1-1/2 Ton Refrigerant Compressor, Reciprocating Open Type	1,670.17	153.21
23 61 16 00-0009	EA	1-3/4 Ton Refrigerant Compressor, Reciprocating Open Type	1,834.14	164.99
23 61 16 00-0010	EA	2 Ton Refrigerant Compressor, Reciprocating Open Type	1,972.32	176.78
23 61 16 00-0011	EA	2-1/2 Ton Refrigerant Compressor, Reciprocating Open Type	2,150.58	188.56
23 61 16 00-0012	EA	3 Ton Refrigerant Compressor, Reciprocating Open Type	2,445.68	188.56
23 61 16 00-0013	EA	3-1/2 Ton Refrigerant Compressor, Reciprocating Open Type	2,744.29	200.34
23 61 16 00-0014	EA	4 Ton Refrigerant Compressor, Reciprocating Open Type	2,802.26	212.13
23 61 16 00-0015	EA	4-1/2 Ton Refrigerant Compressor, Reciprocating Open Type	2,848.40	217.97
23 61 16 00-0016	EA	5 Ton Refrigerant Compressor, Reciprocating Open Type	4,220.19	1,141.03
23 61 16 00-0017	EA	7.5 Ton Refrigerant Compressor, Reciprocating Open Type	6,374.42	1,303.98
23 61 16 00-0018	EA	10 Ton Refrigerant Compressor, Reciprocating Open Type	8,528.81	1,467.04
23 61 16 00-0019	EA	12.5 Ton Refrigerant Compressor, Reciprocating Open Type	11,279.29	1,589.19
23 61 16 00-0020	EA	15 Ton Refrigerant Compressor, Reciprocating Open Type	14,030.13	1,711.55
23 61 16 00-0021	EA	20 Ton Refrigerant Compressor, Reciprocating Open Type	16,836.16	2,053.86
23 61 16 00-0022	EA	25 Ton Refrigerant Compressor, Reciprocating Open Type	20,267.12	2,207.50
23 61 16 00-0023	EA	30 Ton Refrigerant Compressor, Reciprocating Open Type	23,559.81	2,333.94
23 61 16 00-0024	EA	50 Ton Refrigerant Compressor, Reciprocating Open Type	30,885.23	2,633.18
23 61 16 00-0025	EA	60 Ton Refrigerant Compressor, Reciprocating Open Type	36,432.89	2,702.24
23 61 16 00-0026	EA	70 Ton Refrigerant Compressor, Reciprocating Open Type	45,608.85	2,771.18
23 61 16 00-0027	EA	75 Ton Refrigerant Compressor, Reciprocating Open Type	47,902.23	2,805.77
23 61 16 00-0028	EA	80 Ton Refrigerant Compressor, Reciprocating Open Type	50,099.43	2,840.24
23 61 16 00-0029	EA	90 Ton Refrigerant Compressor, Reciprocating Open Type	54,211.92	2,909.19
23 61 16 00-0030	EA	100 Ton Refrigerant Compressor, Reciprocating Open Type	57,945.44	2,978.35
23 61 16 00-0031	EA	110 Ton Refrigerant Compressor, Reciprocating Open Type	61,914.72	3,304.91
23 61 16 00-0032	EA	120 Ton Refrigerant Compressor, Reciprocating Open Type	64,889.74	3,378.88
23 61 16 00-0033	EA	130 Ton Refrigerant Compressor, Reciprocating Open Type	67,439.88	3,421.89
23 61 16 00-0034	EA	140 Ton Refrigerant Compressor, Reciprocating Open Type	69,703.41	3,527.76
23 61 16 00-0035	EA	150 Ton Refrigerant Compressor, Reciprocating Open Type	71,539.15	3,601.72
23 61 16 00-0036	EA	175 Ton Refrigerant Compressor, Reciprocating Open Type	73,411.15	3,700.42
23 61 16 00-0037	EA	185 Ton Refrigerant Compressor, Reciprocating Open Type	75,193.71	3,740.21
23 61 16 00-0038	EA	200 Ton Refrigerant Compressor, Reciprocating Open Type	77,010.70	3,802.10
23 61 16 00-0039	EA	225 Ton Refrigerant Compressor, Reciprocating Open Type	79,133.69	4,058.52
23 61 16 00-0040	EA	250 Ton Refrigerant Compressor, Reciprocating Open Type	81,195.56	4,277.31

23 61 16 00-0041
Reciprocating Hermetic Type Refrigerant Compressors (23 61 16)

Note: Includes automatic reversible oil pump, suction and discharge shut-off valves, device for loading and unloading compressor cylinders and crank case oil heater. Excludes mufflers and vibration isolators.

23 61 16 00-0042
Reciprocating Hermetic Type Refrigerant Compressors <5 Tons (23 61 16 00-0041)

23 61 16 00-0043	EA	1/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,102.95	117.84
23 61 16 00-0044	EA	1/3 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,139.86	117.84
23 61 16 00-0045	EA	1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,235.69	147.26
23 61 16 00-0046	EA	3/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,272.58	147.26
23 61 16 00-0047	EA	1 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,291.03	147.26
23 61 16 00-0048	EA	1-1/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,332.34	153.21
23 61 16 00-0049	EA	1-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,372.94	153.21
23 61 16 00-0050	EA	1-3/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,474.00	164.99
23 61 16 00-0051	EA	2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,571.40	176.78
23 61 16 00-0052	EA	2-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,705.66	188.56
23 61 16 00-0053	EA	3 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,779.48	188.56
23 61 16 00-0054	EA	3-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,913.74	200.34
23 61 16 00-0055	EA	4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	2,269.47	212.13
23 61 16 00-0056	EA	4-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	2,484.21	217.97

23 61 16 00-0057
Reciprocating Hermetic Type Refrigerant Compressors (23 61 16 00-0041)

23 61 16 00-0058	EA	5 Ton Refrigerant Compressor, Reciprocating Hermetic Type	3,144.01	586.82
23 61 16 00-0059	EA	10 Ton Refrigerant Compressor, Reciprocating Hermetic Type	5,950.46	733.52
23 61 16 00-0060	EA	15 Ton Refrigerant Compressor, Reciprocating Hermetic Type	9,908.56	893.00
23 61 16 00-0061	EA	20 Ton Refrigerant Compressor, Reciprocating Hermetic Type	12,612.68	1,026.92
23 61 16 00-0062	EA	25 Ton Refrigerant Compressor, Reciprocating Hermetic Type	13,930.06	1,141.03
23 61 16 00-0063	EA	30 Ton Refrigerant Compressor, Reciprocating Hermetic Type	15,445.91	1,283.66
23 61 16 00-0064	EA	35 Ton Refrigerant Compressor, Reciprocating Hermetic Type	19,961.92	1,467.04
23 61 16 00-0065	EA	40 Ton Refrigerant Compressor, Reciprocating Hermetic Type	25,639.00	1,467.04
23 61 16 00-0066	EA	50 Ton Refrigerant Compressor, Reciprocating Hermetic Type	31,658.21	1,711.55
23 61 16 00-0067	EA	60 Ton Refrigerant Compressor, Reciprocating Hermetic Type	35,633.72	1,833.80
23 61 16 00-0068	EA	70 Ton Refrigerant Compressor, Reciprocating Hermetic Type	37,648.64	1,921.80
23 61 16 00-0069	EA	75 Ton Refrigerant Compressor, Reciprocating Hermetic Type	38,707.43	2,016.74
23 61 16 00-0070	EA	80 Ton Refrigerant Compressor, Reciprocating Hermetic Type	39,802.28	2,024.56
23 61 16 00-0071	EA	90 Ton Refrigerant Compressor, Reciprocating Hermetic Type	41,809.06	2,119.83
23 61 16 00-0072	EA	100 Ton Refrigerant Compressor, Reciprocating Hermetic Type	43,835.28	2,207.50

23 61 19
Scroll Refrigerant Compressors (23 61)
23 61 19 00-0001
Scroll Refrigerant Compressors (23 61 19)

23 61 19 00-0002	EA	Up To 3 Ton Scroll Refrigerant Compressor	1,476.93	188.34
23 61 19 00-0003	EA	3.5 Ton Scroll Refrigerant Compressor	1,548.78	200.46
23 61 19 00-0004	EA	4 Ton Scroll Refrigerant Compressor	1,587.16	212.02
23 61 19 00-0005	EA	4.5 Ton Scroll Refrigerant Compressor	1,618.32	218.08
23 61 19 00-0006	EA	5 Ton Scroll Refrigerant Compressor	2,005.31	275.34
23 61 19 00-0007	EA	7.5 Ton Scroll Refrigerant Compressor	3,810.90	413.02
23 61 19 00-0008	EA	8.75 Ton Scroll Refrigerant Compressor	4,360.93	481.86
23 61 19 00-0009	EA	10 Ton Scroll Refrigerant Compressor	4,886.67	550.69
23 61 19 00-0010	EA	12 Ton Scroll Refrigerant Compressor	5,905.45	660.83
23 61 19 00-0011	EA	13.5 Ton Scroll Refrigerant Compressor	6,960.66	743.43
23 61 19 00-0012	EA	15 Ton Scroll Refrigerant Compressor	8,161.19	826.04
23 61 19 00-0013	EA	20 Ton Scroll Refrigerant Compressor	11,497.58	1,101.38
23 61 19 00-0014	EA	25 Ton Scroll Refrigerant Compressor	12,971.34	1,376.72
23 61 19 00-0015	EA	30 Ton Scroll Refrigerant Compressor	13,881.32	1,652.07

23 61 23
Rotary-Screw Refrigerant Compressors (23 61)
23 61 23 00-0001
Rotary Screw Type Refrigerant Compressors (23 61 23)

23 61 23 00-0002	EA	75 Ton Refrigerant Compressor, Rotary Screw Type	45,266.73	2,805.77
23 61 23 00-0003	EA	80 Ton Refrigerant Compressor, Rotary Screw Type	46,642.29	2,840.24
23 61 23 00-0004	EA	90 Ton Refrigerant Compressor, Rotary Screw Type	49,624.09	2,909.19
23 61 23 00-0005	EA	100 Ton Refrigerant Compressor, Rotary Screw Type	52,574.91	2,978.35
23 61 23 00-0006	EA	110 Ton Refrigerant Compressor, Rotary Screw Type	56,644.80	3,304.91
23 61 23 00-0007	EA	120 Ton Refrigerant Compressor, Rotary Screw Type	60,101.52	3,378.88
23 61 23 00-0008	EA	130 Ton Refrigerant Compressor, Rotary Screw Type	63,481.30	3,421.89
23 61 23 00-0009	EA	140 Ton Refrigerant Compressor, Rotary Screw Type	66,983.87	3,527.76
23 61 23 00-0010	EA	150 Ton Refrigerant Compressor, Rotary Screw Type	70,443.78	3,601.72
23 61 23 00-0011	EA	170 Ton Refrigerant Compressor, Rotary Screw Type	75,308.24	3,700.42
23 61 23 00-0012	EA	185 Ton Refrigerant Compressor, Rotary Screw Type	78,713.82	3,740.21
23 61 23 00-0013	EA	200 Ton Refrigerant Compressor, Rotary Screw Type	80,301.22	3,802.10
23 61 23 00-0014	EA	215 Ton Refrigerant Compressor, Rotary Screw Type	90,131.00	4,058.52
23 61 23 00-0015	EA	225 Ton Refrigerant Compressor, Rotary Screw Type	99,823.67	4,277.31

23 62 Packaged Compressor and Condenser Units (23 60)
23 62 13
Packaged Air-Cooled Refrigerant Compressor and Condenser Units (23 62)

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 60 Central Cooling Equipment****23 62 Packaged Compressor and Condenser Units**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 62 13 00-0001		Combination Direct-Expansion Liquid Cooler And Compressors (23 62 13)		
		Note: Shell and tube type. Chilled water temperature rise is 12 degree F. Rated by cooling capacity in tons. Includes power panel, factory wired and installed control panel, pressure and safety switches and gauges for oil pressure and high and low refrigerant pressure, flow switches, phase monitoring, sight glasses and filter dryers, start-up costs and equipment rigging. Units greater than 5 tons include dual compressors. Excludes motor starter, piping or power wiring.		
23 62 13 00-0002	EA	1 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	7,392.32	1,017.68
23 62 13 00-0003	EA	5 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	16,332.71	1,090.37
23 62 13 00-0004	EA	10 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	28,642.25	1,163.05
23 62 13 00-0005	EA	15 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	33,921.62	1,235.75
23 62 13 00-0006	EA	20 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	40,234.85	1,308.44
23 62 13 00-0007	EA	25 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	44,590.51	1,453.82
23 62 13 00-0008	EA	30 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	45,863.43	1,611.61
23 62 13 00-0009	EA	40 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	49,417.39	1,892.38
23 62 13 00-0010	EA	50 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	52,730.87	2,050.08
23 62 13 00-0011	EA	60 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	60,430.68	2,207.78
23 62 13 00-0012	EA	75 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	68,319.00	2,444.32
23 62 13 00-0013	EA	80 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	72,209.24	2,543.03
23 62 13 00-0014	EA	90 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	81,522.38	2,701.97
23 62 13 00-0015	EA	100 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	89,103.08	2,860.91

23 62 13 00-0016		Direct-Expansion Liquid Cooler Shell And Tube Type (23 62 13)		
		Note: For built-up systems. Chilled water temperature rise is 12 degree F. Rated by cooling capacity in tons. Excludes compressors. Includes power panel, factory wired and installed control panel, pressure and safety switches and gauges for oil pressure and high and low refrigerant pressure, flow switches, phase monitoring, sight glasses and filter dryers, start-up costs and equipment rigging. Units greater than 5 tons include dual compressors. Excludes motor starter, piping or power wiring.		
23 62 13 00-0017	EA	1 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems.....	7,058.45	1,017.68
23 62 13 00-0018	EA	5 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems.....	14,432.40	1,090.37
23 62 13 00-0019	EA	10 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems.....	22,494.49	1,163.05
23 62 13 00-0020	EA	15 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems.....	24,293.92	1,235.75
23 62 13 00-0021	EA	20 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems.....	26,093.37	1,308.44
23 62 13 00-0022	EA	25 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems.....	30,920.81	1,453.82
23 62 13 00-0023	EA	30 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems.....	34,999.19	1,611.61
23 62 13 00-0024	EA	40 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems.....	44,946.11	1,892.38
23 62 13 00-0025	EA	50 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems.....	50,406.50	2,050.08
23 62 13 00-0026	EA	60 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems.....	54,552.96	2,207.78
23 62 13 00-0027	EA	75 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems.....	62,734.71	2,444.32
23 62 13 00-0028	EA	80 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems.....	66,447.83	2,543.03
23 62 13 00-0029	EA	90 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems.....	72,887.48	2,701.97
23 62 13 00-0030	EA	100 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems.....	83,110.50	2,860.91

23 62 13 00-0031		Packaged Chiller With Remote Air-Cooled Condenser (23 62 13)		
		Note: With remote air-cooled condenser rated by cooling capacity, Units are factory assembled package type. Includes hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3 valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, vibration eliminators, phase monitoring for 3 phase units, start-up and equipment rigging. Units include dual compressors. Excludes piping and power wiring.		
23 62 13 00-0032	EA	15 Ton Packaged Chiller With Remote Air-Cooled Condensers.....	38,500.12	9,194.53
		<i>For Gas Fired Engine Driven, Add</i>	6,321.54	
23 62 13 00-0033	EA	20 Ton Packaged Chiller With Remote Air-Cooled Condensers.....	43,185.37	9,691.52
		<i>For Gas Fired Engine Driven, Add</i>	7,184.08	
23 62 13 00-0034	EA	25 Ton Packaged Chiller With Remote Air-Cooled Condensers.....	49,840.32	10,546.56
		<i>For Gas Fired Engine Driven, Add</i>	8,386.86	
23 62 13 00-0035	EA	30 Ton Packaged Chiller With Remote Air-Cooled Condensers.....	55,485.07	11,205.78
		<i>For Gas Fired Engine Driven, Add</i>	9,416.99	
23 62 13 00-0036	EA	40 Ton Packaged Chiller With Remote Air-Cooled Condensers.....	68,685.20	12,364.99
		<i>For Gas Fired Engine Driven, Add</i>	11,883.22	
23 62 13 00-0037	EA	50 Ton Packaged Chiller With Remote Air-Cooled Condensers.....	75,436.56	12,806.54
		<i>For Gas Fired Engine Driven, Add</i>	13,167.28	
23 62 13 00-0038	EA	60 Ton Packaged Chiller With Remote Air-Cooled Condensers.....	81,928.21	13,791.68
		<i>For Gas Fired Engine Driven, Add</i>	14,317.92	
23 62 13 00-0039	EA	70 Ton Packaged Chiller With Remote Air-Cooled Condensers.....	98,874.50	14,756.63
		<i>For Gas Fired Engine Driven, Add</i>	17,534.87	
23 62 13 00-0040	EA	75 Ton Packaged Chiller With Remote Air-Cooled Condensers.....	100,035.79	15,058.53
		<i>For Gas Fired Engine Driven, Add</i>	17,749.50	
23 62 13 00-0041	EA	80 Ton Packaged Chiller With Remote Air-Cooled Condensers.....	102,002.40	15,713.30
		<i>For Gas Fired Engine Driven, Add</i>	18,044.66	
23 62 13 00-0042	EA	90 Ton Packaged Chiller With Remote Air-Cooled Condensers.....	112,784.24	16,427.57
		<i>For Gas Fired Engine Driven, Add</i>	20,093.95	
23 62 13 00-0043	EA	100 Ton Packaged Chiller With Remote Air-Cooled Condensers.....	124,404.34	17,209.87
		<i>For Gas Fired Engine Driven, Add</i>	22,300.69	
23 62 13 00-0044	EA	110 Ton Packaged Chiller With Remote Air-Cooled Condensers.....	137,534.70	18,070.30
		<i>For Gas Fired Engine Driven, Add</i>	24,797.75	
23 62 13 00-0045	EA	120 Ton Packaged Chiller With Remote Air-Cooled Condensers.....	148,512.39	19,021.41
		<i>For Gas Fired Engine Driven, Add</i>	26,850.70	
23 62 13 00-0046	EA	140 Ton Packaged Chiller With Remote Air-Cooled Condensers.....	163,528.94	20,078.12
		<i>For Gas Fired Engine Driven, Add</i>	29,695.58	

23 62 23 Packaged Water-Cooled Refrigerant Compressor and Condenser Units (23 62)**23 62 23 00-0001** **Water Cooled Condensing Units** (23 62 23)

Note: Includes compressor, condenser and motor, and equipment rigging. Excludes piping and power wiring.

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 62 23 00-0002 EA 5 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor.....	8,407.13	795.63
23 62 23 00-0003 EA 10 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor.....	12,753.87	1,161.96
23 62 23 00-0004 EA 15 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor.....	14,606.40	1,259.27
23 62 23 00-0005 EA 20 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor.....	18,115.22	1,511.12
23 62 23 00-0006 EA 30 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor.....	19,560.41	1,777.86
23 62 23 00-0007 EA 60 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor.....	41,505.57	2,629.16
23 62 23 00-0008 EA 80 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor.....	51,517.67	3,173.18
23 62 23 00-0009 EA 120 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor.....	71,307.21	3,471.94

23 63 Refrigerant Condensers (23 60)

23 63 13 Air-Cooled Refrigerant Condensers (23 63)

23 63 13 00-0001 Air-Cooled Condensing Units (23 63 13)

Note: Includes compressor(s), condenser, fan, motors, discharge/suction gauges, sight glass, fan cycling controls, standard oil hi/low safety control switches, standard controls and liquid line filter dryers and phase monitoring for 3 phase units and equipment rigging. Meets minimum ASHRAE EER requirements. Excludes piping and power wiring.

23 63 13 00-0002 EA 6 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	7,181.93	795.63
For >10 To 25, Deduct	-179.31	
For >25 To 50, Deduct	-298.84	
For >50, Deduct	-478.15	
For Winter Start Control, Add	359.58	
For Low Ambient Protection, 0 Degree F, Add	1,078.26	
23 63 13 00-0003 EA 7.5 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	8,603.24	944.45
For >10 To 25, Deduct	-215.17	
For >25 To 50, Deduct	-358.61	
For >50, Deduct	-573.78	
For Winter Start Control, Add	286.54	
For Low Ambient Protection, 0 Degree F, Add	931.53	
23 63 13 00-0004 EA 10 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	11,195.87	1,161.96
For >10 To 25, Deduct	-283.04	
For >25 To 50, Deduct	-471.73	
For >50, Deduct	-754.77	
For Low Ambient Protection, 0 Degree F, Add	1,100.73	
For Winter Start Control, Add	364.81	
23 63 13 00-0005 EA 12.5 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	13,889.73	1,208.90
For >10 To 25, Deduct	-361.74	
For >25 To 50, Deduct	-602.90	
For >50, Deduct	-964.65	
For Low Ambient Protection, 0 Degree F, Add	1,301.98	
For Winter Start Control, Add	424.33	
23 63 13 00-0006 EA 15 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	16,589.46	1,259.27
For >10 To 25, Deduct	-440.44	
For >25 To 50, Deduct	-734.07	
For >50, Deduct	-1,174.52	
For Winter Start Control, Add	337.61	
For Low Ambient Protection, 0 Degree F, Add	1,357.88	
23 63 13 00-0007 EA 20 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	21,399.57	1,511.12
For >10 To 25, Deduct	-573.30	
For >25 To 50, Deduct	-955.50	
For >50, Deduct	-1,528.80	
For Winter Start Control, Add	420.06	
For Low Ambient Protection, 0 Degree F, Add	1,718.99	
23 63 13 00-0008 EA 25 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	24,362.73	1,625.60
For >10 To 25, Deduct	-657.06	
For >25 To 50, Deduct	-1,095.09	
For >50, Deduct	-1,752.15	
For Low Ambient Protection, 0 Degree F, Add	1,819.82	
For Winter Start Control, Add	465.10	
23 63 13 00-0009 EA 30 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	27,956.18	1,774.42
For >10 To 25, Deduct	-758.14	
For >25 To 50, Deduct	-1,263.57	
For >50, Deduct	-2,021.71	
For Low Ambient Protection, 0 Degree F, Add	1,934.77	
For Winter Start Control, Add	521.19	
23 63 13 00-0010 EA 40 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	38,484.97	2,091.38
For >10 To 25, Deduct	-1,057.79	
For >25 To 50, Deduct	-1,762.98	
For >50, Deduct	-2,820.77	
For Low Ambient Protection, 0 Degree F, Add	2,569.32	
For Winter Start Control, Add	675.13	
23 63 13 00-0011 EA 50 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	46,715.25	2,629.16
For >10 To 25, Deduct	-1,279.82	
For >25 To 50, Deduct	-2,133.03	
For >50, Deduct	-3,412.84	
For Winter Start Control, Add	618.77	
For Low Ambient Protection, 0 Degree F, Add	2,720.10	
23 63 13 00-0012 EA 60 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	53,860.08	2,901.79
For >10 To 25, Deduct	-1,485.09	
For >25 To 50, Deduct	-2,475.15	
For >50, Deduct	-3,960.24	
For Winter Start Control, Add	683.22	
For Low Ambient Protection, 0 Degree F, Add	3,069.38	
23 63 13 00-0013 EA 80 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	69,877.23	3,173.18
For >10 To 25, Deduct	-1,949.51	
For >25 To 50, Deduct	-3,249.18	
For >50, Deduct	-5,198.69	
For Winter Start Control, Add	814.28	
For Low Ambient Protection, 0 Degree F, Add	3,822.75	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 60 Central Cooling Equipment****23 63 Refrigerant Condensers**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 63 13 00-0014	EA	100 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	96,552.56	2,857.10
		For >10 To 25, Deduct	-2,722.09	
		For >25 To 50, Deduct	-4,536.82	
		For >50, Deduct	-7,258.91	
		For Low Ambient Protection, 0 Degree F, Add	4,176.14	
		For Winter Start Control, Add	1,035.30	
23 63 13 00-0015	EA	120 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	119,132.95	2,953.95
		For >10 To 25, Deduct	-3,393.59	
		For >25 To 50, Deduct	-5,655.98	
		For >50, Deduct	-9,049.57	
		For Low Ambient Protection, 0 Degree F, Add	4,896.93	

23 63 13 00-0016 Air-Cooled Condensing Units (23 63 13)

Note: Includes compressor(s), condenser, fan, motors, discharge/suction gauges, sight glass, fan cycling controls, standard oil hi/low safety control switches, standard controls and liquid line filter dryers, 14 SEER, 1 or 3 phase and equipment rigging. Higher SEER ratings can be obtained by oversizing evaporators. Includes 20' length of piping (liquid line and insulated suction line). Excludes additional piping and power wiring.

23 63 13 00-0017	EA	1.5 Ton, 14 SEER, Air-Cooled Condensing Unit.....	2,495.68	529.61
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For >10 To 25, Deduct	-51.04	
		For >25 To 50, Deduct	-85.06	
		For >50, Deduct	-136.10	
		For 15 SEER, Add	408.30	
		For 16 SEER, Add	697.52	
		For 18 SEER, Add	1,463.09	
23 63 13 00-0018	EA	2 Ton, 14 SEER, Air-Cooled Condensing Unit.....	2,692.33	588.74
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For >10 To 25, Deduct	-54.29	
		For >25 To 50, Deduct	-90.48	
		For >50, Deduct	-144.77	
		For 15 SEER, Add	434.32	
		For 16 SEER, Add	741.96	
		For 18 SEER, Add	1,556.31	
23 63 13 00-0019	EA	2.5 Ton, 14 SEER, Air-Cooled Condensing Unit.....	2,866.95	647.62
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For >10 To 25, Deduct	-56.88	
		For >25 To 50, Deduct	-94.80	
		For >50, Deduct	-151.68	
		For 15 SEER, Add	455.04	
		For 16 SEER, Add	777.36	
		For 18 SEER, Add	1,630.57	
23 63 13 00-0020	EA	3 Ton, 14 SEER, Air-Cooled Condensing Unit.....	3,276.73	706.13
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For >10 To 25, Deduct	-66.53	
		For >25 To 50, Deduct	-110.88	
		For >50, Deduct	-177.40	
		For 15 SEER, Add	532.20	
		For 16 SEER, Add	909.18	
		For 18 SEER, Add	1,907.07	
23 63 13 00-0021	EA	3.5 Ton, 14 SEER, Air-Cooled Condensing Unit.....	3,477.07	765.36
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For >10 To 25, Deduct	-69.89	
		For >25 To 50, Deduct	-116.48	
		For >50, Deduct	-186.37	
		For 15 SEER, Add	559.10	
		For 16 SEER, Add	955.14	
		For 18 SEER, Add	2,003.46	
23 63 13 00-0022	EA	4 Ton, 14 SEER, Air-Cooled Condensing Unit.....	3,862.96	824.24
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For >10 To 25, Deduct	-78.82	
		For >25 To 50, Deduct	-131.36	
		For >50, Deduct	-210.18	
		For 15 SEER, Add	630.53	
		For 16 SEER, Add	1,077.16	
		For 18 SEER, Add	2,259.41	
23 63 13 00-0023	EA	5 Ton, 14 SEER, Air-Cooled Condensing Unit.....	4,339.72	882.67
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For >10 To 25, Deduct	-90.47	
		For >25 To 50, Deduct	-150.79	
		For >50, Deduct	-241.26	
		For 15 SEER, Add	723.77	
		For 16 SEER, Add	1,236.44	
		For 18 SEER, Add	2,593.51	

23 63 13 00-0024 Removal And Reinstallation Of AC Condensing Unit (23 63 13)

Note: Includes storage and cleaning.

23 63 13 00-0025	EA	Removal And Reinstallation Of Up To 5 Tons Air-Cooled Condensing Unit.....	542.49	
23 63 13 00-0026	EA	Removal And Reinstallation Of 7.5 To 15 Tons Air-Cooled Condensing Unit.....	2,034.34	
23 63 13 00-0027	EA	Removal And Reinstallation Of 20 To 40 Tons Air-Cooled Condensing Unit.....	2,405.02	

23 63 23 Water-Cooled Refrigerant Condensers (23 63)**23 63 23 00-0001 Water Cooled Condensers** (23 63 23)

Note: Steel shell and copper tube type. Includes equipment rigging.

23 63 23 00-0002	EA	15 Ton Water Cooled Condenser, Shell And Tube Type.....	10,538.70	432.85
		For Saddle Legs, Add	785.66	
23 63 23 00-0003	EA	20 Ton Water Cooled Condenser, Shell And Tube Type.....	13,701.73	581.53
		For Saddle Legs, Add	1,019.24	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 63 23 00-0004	EA	25 Ton Water Cooled Condenser, Shell And Tube Type..... <i>For Saddle Legs, Add</i> <i>For Dual Compressor, Add</i>	17,928.43 1,337.75 841.35	726.91
23 63 23 00-0005	EA	30 Ton Water Cooled Condenser, Shell And Tube Type..... <i>For Saddle Legs, Add</i> <i>For Dual Compressor, Add</i>	18,825.68 1,390.05 874.24	884.41
23 63 23 00-0006	EA	40 Ton Water Cooled Condenser, Shell And Tube Type..... <i>For Saddle Legs, Add</i> <i>For Dual Compressor, Add</i>	22,492.34 1,651.94 1,038.95	1,131.12
23 63 23 00-0007	EA	50 Ton Water Cooled Condenser, Shell And Tube Type..... <i>For Saddle Legs, Add</i> <i>For Dual Compressor, Add</i>	25,693.31 1,889.39 1,188.29	1,272.10
23 63 23 00-0008	EA	60 Ton Water Cooled Condenser, Shell And Tube Type..... <i>For Saddle Legs, Add</i> <i>For Dual Compressor, Add</i>	31,261.83 2,310.20 1,452.95	1,453.82
23 63 23 00-0009	EA	75 Ton Water Cooled Condenser, Shell And Tube Type..... <i>For Saddle Legs, Add</i> <i>For Dual Compressor, Add</i>	38,588.36 2,863.47 1,800.92	1,696.12
23 63 23 00-0010	EA	100 Ton Water Cooled Condenser, Shell And Tube Type..... <i>For Saddle Legs, Add</i> <i>For Dual Compressor, Add</i>	42,424.42 3,109.23 1,955.49	2,188.45
23 63 23 00-0011	EA	150 Ton Water Cooled Condenser, Shell And Tube Type..... <i>For Saddle Legs, Add</i> <i>For Dual Compressor, Add</i>	61,325.00 4,561.02 2,868.57	2,609.17

23 64 Packaged Water Chillers (23 60)

See CSI section 26 29 23 00-0000 for variable frequency motor controllers.

23 64 13 Absorption Water Chillers (23 64)

23 64 13 16 Indirect-Fired Absorption Water Chillers (23 64 13)

23 64 13 16-0001 Packaged, Steam Driven, Water Cooled Absorption Chillers (23 64 13 16)

Note: Includes refrigerant monitor with scanner, audible alarm, and lights, 460 voltage motor rating, and all accessories, controls (water temperature controller with PE switches, flow switch, etc.) factory wired and installed control panel, and also includes start-up. Price includes closed transition starter. (rated by cooling capacity in tons). Units are factory assembled package type consisting of motor, cooler, condenser, internal piping and wiring, motor starters, insulation, purge unit, controls, gauges, lubrication system, refrigerant charge, oil, phase monitoring for 3 phase units, start-up costs and equipment rigging. Exclude piping and power wiring.

23 64 13 16-0002	EA	50 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller..... <i>For Two Stage Unit, Add</i>	209,505.04 136,618.18	12,544.19
23 64 13 16-0003	EA	100 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller..... <i>For Two Stage Unit, Add</i>	264,386.14 173,511.09	14,449.02
23 64 13 16-0004	EA	150 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller..... <i>For Two Stage Unit, Add</i>	334,829.61 221,954.57	15,532.70
23 64 13 16-0005	EA	200 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller..... <i>For Two Stage Unit, Add</i>	371,832.30 246,989.51	16,616.37
23 64 13 16-0006	EA	250 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller..... <i>For Two Stage Unit, Add</i>	415,062.46 276,865.32	17,098.00
23 64 13 16-0007	EA	300 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller..... <i>For Two Stage Unit, Add</i>	467,358.39 312,990.83	17,700.04
23 64 13 16-0008	EA	350 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller..... <i>For Two Stage Unit, Add</i>	501,075.46 336,111.15	18,302.09
23 64 13 16-0009	EA	400 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller..... <i>For Two Stage Unit, Add</i>	595,896.25 401,715.09	19,265.36
23 64 13 16-0010	EA	500 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller..... <i>For Two Stage Unit, Add</i>	666,771.04 450,845.80	19,867.40
23 64 13 16-0011	EA	650 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller..... <i>For Two Stage Unit, Add</i>	807,316.51 548,746.00	20,469.45
23 64 13 16-0012	EA	750 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller..... <i>For Two Stage Unit, Add</i>	875,232.27 595,131.12	21,914.34
23 64 13 16-0013	EA	850 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller..... <i>For Two Stage Unit, Add</i>	938,262.54 638,192.71	23,238.84
23 64 13 16-0014	EA	950 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller..... <i>For Two Stage Unit, Add</i>	1,005,940.05 684,506.35	24,564.61
23 64 13 16-0015	EA	1,125 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller..... <i>For Two Stage Unit, Add</i>	1,151,244.27 785,692.05	25,163.74
23 64 13 16-0016	EA	1,250 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller..... <i>For Two Stage Unit, Add</i>	1,260,828.66 861,298.73	26,601.68
23 64 13 16-0017	EA	1,450 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller..... <i>For Two Stage Unit, Add</i>	1,472,237.31 1,008,326.15	27,799.95
23 64 13 16-0018	EA	1,700 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller..... <i>For Two Stage Unit, Add</i>	1,720,549.10 1,181,473.39	28,638.74

23 64 16 Centrifugal Water Chillers (23 64)

23 64 16 13 Air-Cooled Centrifugal Water Chillers (23 64 16)

23 64 16 13-0001 Magnetic Bearing, Air-Cooled Centrifugal Chillers (23 64 16 13)

Note: SMARTD air-cooled oil-free centrifugal chiller with variable speed control, magnetic bearings, lowest ARI IPLV in industry. Includes start up, freight, R-134a refrigerant charge, BACnet or equivalent interface.

23 64 16 13-0002	EA	85 Ton, Single Compressor, Magnetic Bearing, Air-Cooled Centrifugal Chiller..... <i>For 5 Year Parts Only Compressor Warranty, Add</i>	246,383.67 6,849.00	6,665.15
23 64 16 13-0003	EA	175 Ton, Two Compressor, Magnetic Bearing, Air-Cooled Centrifugal Chiller..... <i>For 5 Year Parts Only Compressor Warranty, Add</i>	349,711.44 13,698.00	8,945.75
23 64 16 13-0004	EA	240 Ton, Three Compressor, Magnetic Bearing, Air-Cooled Centrifugal Chiller..... <i>For 5 Year Parts Only Compressor Warranty, Add</i>	437,336.02 20,547.00	9,460.86

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 60 Central Cooling Equipment****23 64 Packaged Water Chillers**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
23 64 16 16 Water-Cooled Centrifugal Water Chillers (23 64 16)**23 64 16 16-0001 Packaged Water-Cooled Centrifugal Water Chillers (23 64 16 16)**

Note: Includes integral heat exchanger, refrigerant monitor with scanner, audible alarm, and lights, 460 voltage motor rating, controls (water temperature controller with PE switches, flow switch, etc.), start-up, and closed transition starter. Rated by cooling capacity in tons. Units are factory assembled package type consisting of compressor, motor, cooler, condenser, internal piping and wiring, motor starters, insulation, purge unit, factory wired and installed control panel, gauges, lubrication system, refrigerant charge, oil, phase monitoring for 3 phase units, start-up costs and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring.

23 64 16 16-0002	EA	180 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	159,363.52	6,869.91
		Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
		For 208/230 Voltage Motor Rating, Add	5,933.12	
23 64 16 16-0003	EA	200 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	174,186.92	7,043.90
		Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
		For 208/230 Voltage Motor Rating, Add	6,514.74	
23 64 16 16-0004	EA	225 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	192,101.19	7,222.94
		Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
		For 208/230 Voltage Motor Rating, Add	7,219.95	
23 64 16 16-0005	EA	250 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	209,590.42	7,512.53
		Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
		For 208/230 Voltage Motor Rating, Add	7,900.91	
23 64 16 16-0006	EA	275 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	226,689.82	7,936.73
		Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
		For 208/230 Voltage Motor Rating, Add	8,557.63	
23 64 16 16-0007	EA	300 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	243,164.31	8,349.37
		Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
		For 208/230 Voltage Motor Rating, Add	9,190.10	
23 64 16 16-0008	EA	325 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	259,103.54	8,807.16
		Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
		For 208/230 Voltage Motor Rating, Add	9,798.25	
23 64 16 16-0009	EA	350 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	274,400.71	9,241.47
		Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
		For 208/230 Voltage Motor Rating, Add	10,382.23	
23 64 16 16-0010	EA	375 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	289,028.47	9,637.50
		Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
		For 208/230 Voltage Motor Rating, Add	10,941.90	
23 64 16 16-0011	EA	400 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	302,916.23	9,950.19
		Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
		For 208/230 Voltage Motor Rating, Add	11,477.31	
23 64 16 16-0012	EA	425 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	316,487.24	10,443.15
		Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
		For 208/230 Voltage Motor Rating, Add	11,988.48	
23 64 16 16-0013	EA	450 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	329,307.65	10,846.03
		Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
		For 208/230 Voltage Motor Rating, Add	12,475.41	
23 64 16 16-0014	EA	475 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	341,513.45	11,243.75
		Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
		For 208/230 Voltage Motor Rating, Add	12,938.09	
23 64 16 16-0015	EA	500 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	352,969.11	11,551.75
		Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
		For 208/230 Voltage Motor Rating, Add	13,376.52	
23 64 16 16-0016	EA	550 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	373,728.56	11,961.38
		Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
		For 208/230 Voltage Motor Rating, Add	14,180.58	
23 64 16 16-0017	EA	600 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	391,823.11	12,221.47
		Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
		For 208/230 Voltage Motor Rating, Add	14,887.65	
23 64 16 16-0018	EA	650 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	408,043.99	12,825.55
		Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
		For 208/230 Voltage Motor Rating, Add	15,497.67	
23 64 16 16-0019	EA	700 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	421,854.85	13,438.79
		Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
		For 208/230 Voltage Motor Rating, Add	16,010.71	
23 64 16 16-0020	EA	750 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	433,343.62	14,113.44
		Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
		For 208/230 Voltage Motor Rating, Add	16,426.90	
23 64 16 16-0021	EA	800 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	460,281.08	14,794.36
		Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
		For 208/230 Voltage Motor Rating, Add	17,460.65	
23 64 16 16-0022	EA	850 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	487,028.38	15,473.10
		Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
		For 208/230 Voltage Motor Rating, Add	18,486.94	
23 64 16 16-0023	EA	900 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	513,690.42	16,216.98
		Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
		For 208/230 Voltage Motor Rating, Add	19,505.62	
23 64 16 16-0024	EA	950 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	540,281.26	17,035.99
		Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
		For 208/230 Voltage Motor Rating, Add	20,516.63	
23 64 16 16-0025	EA	1,000 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	566,225.00	17,761.05
		Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
		For 208/230 Voltage Motor Rating, Add	21,519.96	
23 64 16 16-0026	EA	1,100 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	614,373.13	20,493.60
		Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
		For 208/230 Voltage Motor Rating, Add	23,272.19	
23 64 16 16-0027	EA	1,200 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	660,719.04	23,233.92
		Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
		For 208/230 Voltage Motor Rating, Add	24,951.82	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 16 16-0028	EA	1,300 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. For 208/230 Voltage Motor Rating, Add	704,419.16 26,558.72	25,453.73
23 64 16 16-0029	EA	1,400 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. For 208/230 Voltage Motor Rating, Add	744,944.98 28,092.87	26,820.47
23 64 16 16-0030	EA	1,500 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. For 208/230 Voltage Motor Rating, Add	783,576.26 29,554.08	28,142.54
23 64 16 16-0031	EA	1,600 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. For 208/230 Voltage Motor Rating, Add	819,602.24 30,943.26	28,958.32
23 64 16 16-0032	EA	1,700 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. For 208/230 Voltage Motor Rating, Add	855,718.80 32,259.50	30,978.61
23 64 16 16-0033	EA	1,800 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. For 208/230 Voltage Motor Rating, Add	889,207.71 33,502.99	32,489.75
23 64 16 16-0034	EA	1,900 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. For 208/230 Voltage Motor Rating, Add	921,592.42 34,673.75	34,450.37
23 64 16 16-0035	EA	2,000 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. For 208/230 Voltage Motor Rating, Add	951,001.82 35,771.91	35,680.75
23 64 16 16-0036	EA	2,250 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. For 208/230 Voltage Motor Rating, Add	1,012,717.30 38,199.29	37,700.44
23 64 16 16-0037	EA	2,500 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. For 208/230 Voltage Motor Rating, Add	1,067,818.13 40,172.39	39,962.43
23 64 16 16-0038		Magnetic Bearing, Water Cooled Centrifugal Water Chillers (23 64 16 16) Note: SMARTD water cooled oil-free centrifugal chiller with variable speed control, magnetic bearings, 10 amp maximum inrush current and ARI part load <0.4kW per ton. Includes start up, freight, R-134a refrigerant charge, BACnet or equivalent interface, 12/18 month compressor warranty.		
23 64 16 16-0039	EA	60 To 85 Ton, Single Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller For Marine Water Box Connections, Add For 5 Year Parts Only Compressor Warranty, Add	155,146.69 4,451.16 6,849.00	5,779.60
23 64 16 16-0040	EA	130 To 137 Ton, Single Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller..... For Marine Water Box Connections, Add For 5 Year Parts Only Compressor Warranty, Add	195,355.05 4,451.16 6,849.00	6,717.59
23 64 16 16-0041	EA	125 To 170 Ton, Dual Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller For Marine Water Box Connections, Add For 5 Year Parts Only Compressor Warranty, Add	244,682.19 4,451.16 13,698.00	6,869.91
23 64 16 16-0042	EA	240 To 270 Ton, Dual Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller For Marine Water Box Connections, Add For 5 Year Parts Only Compressor Warranty, Add	318,650.59 4,451.16 13,698.00	7,936.73
23 64 16 16-0043	EA	210 To 260 Ton, Three Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller For 5 Year Parts Only Compressor Warranty, Add For Marine Water Box Connections, Add	321,112.81 20,547.00 4,451.16	7,512.53
23 64 16 16-0044	EA	355 To 405 Ton, Three Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller For 5 Year Parts Only Compressor Warranty, Add For Marine Water Box Connections, Add	481,761.09 20,547.00 4,451.16	9,950.19
23 64 16 16-0045	EA	299 To 340 Ton, Four Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller For Marine Water Box Connections, Add For 5 Year Parts Only Compressor Warranty, Add	426,816.81 6,199.83 25,113.00	9,241.47
23 64 16 16-0046	EA	540 Ton, Four Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller For Marine Water Box Connections, Add For 5 Year Parts Only Compressor Warranty, Add	593,039.32 6,199.83 25,113.00	11,961.38
23 64 16 16-0047	EA	425 Ton, Five Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller..... For 5 Year Parts Only Compressor Warranty, Add For Marine Water Box Connections, Add	531,233.24 29,679.00 6,199.83	10,443.15
23 64 16 16-0048	EA	650 Ton, Five Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller..... For 5 Year Parts Only Compressor Warranty, Add For Marine Water Box Connections, Add	711,017.95 29,679.00 6,199.83	12,825.55
23 64 16 16-0049	EA	510 Ton, Six Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller..... For Marine Water Box Connections, Add For 5 Year Parts Only Compressor Warranty, Add	632,555.25 6,517.77 34,245.00	11,551.75
23 64 16 16-0050	EA	800 Ton, Six Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller..... For Marine Water Box Connections, Add For 5 Year Parts Only Compressor Warranty, Add	815,006.97 6,517.77 34,245.00	14,794.36
23 64 23		Scroll Water Chillers (23 64)		
23 64 23 13		Air-Cooled Scroll Water Chillers (23 64 23)		
23 64 23 13-0001		Packaged Air-Cooled Scroll Water Chillers (23 64 23 13) Note: With integral heat exchanger. Rated by cooling capacity, tons. Units are factory assembled package type. Includes scroll compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3-valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, flow switch, operation and safety controls, isolation valves, factory wired and installed control panel, refrigerant charge, vibration eliminators, phase monitoring for 3 phase units, factory charge of refrigerant, freeze protection thermostat, start-up and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring. Excludes crane and associated personnel. See CSI section 01 22 23 00-0976 for crane lifting equipment.		
23 64 23 13-0002	EA	10 Ton Packaged Air-Cooled Scroll Water Chiller	29,326.12	1,812.09
23 64 23 13-0003	EA	15 Ton Packaged Air-Cooled Scroll Water Chiller	42,984.39	1,835.32
23 64 23 13-0004	EA	18 Ton Packaged Air-Cooled Scroll Water Chiller	46,912.82	1,963.09

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 60 Central Cooling Equipment****23 64 Packaged Water Chillers**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

23 64 23 13-0005	EA	22 Ton Packaged Air-Cooled Scroll Water Chiller	51,613.43	2,102.49
23 64 23 13-0006	EA	25 Ton Packaged Air-Cooled Scroll Water Chiller	52,452.09	2,241.88
23 64 23 13-0007	EA	30 Ton Packaged Air-Cooled Scroll Water Chiller	55,345.30	2,404.50
23 64 23 13-0008	EA	40 Ton Packaged Air-Cooled Scroll Water Chiller	63,287.76	2,601.97
23 64 23 13-0009	EA	45 Ton Packaged Air-Cooled Scroll Water Chiller	67,966.67	2,822.68
23 64 23 13-0010	EA	50 Ton Packaged Air-Cooled Scroll Water Chiller	71,773.13	2,903.98
23 64 23 13-0011	EA	55 Ton Packaged Air-Cooled Scroll Water Chiller	74,962.65	3,031.76
23 64 23 13-0012	EA	60 Ton Packaged Air-Cooled Scroll Water Chiller	77,480.37	3,136.31
23 64 23 13-0013	EA	70 Ton Packaged Air-Cooled Scroll Water Chiller	89,391.64	3,531.24
23 64 23 13-0014	EA	80 Ton Packaged Air-Cooled Scroll Water Chiller	96,219.75	3,868.11
23 64 23 13-0015	EA	90 Ton Packaged Air-Cooled Scroll Water Chiller	97,974.96	3,879.72
23 64 23 13-0016	EA	100 Ton Packaged Air-Cooled Scroll Water Chiller	103,671.96	3,891.34
23 64 23 13-0017	EA	110 Ton Packaged Air-Cooled Scroll Water Chiller	109,218.55	3,902.95
23 64 23 13-0018	EA	120 Ton Packaged Air-Cooled Scroll Water Chiller	114,834.11	3,914.57
23 64 23 13-0019	EA	130 Ton Packaged Air-Cooled Scroll Water Chiller	120,737.85	3,926.19

23 64 23 16 Water-Cooled Scroll Water Chillers (23 64 23)**23 64 23 16-0001 Packaged Water Cooled Scroll Water Chillers (23 64 23 16)**

Note: Integral heat exchanger. Rated by cooling capacity in tons. Units are factory assembled package type. Includes hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3 valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, flow switch, operation and safety controls, factory wired and installed control panel, refrigerant charge, vibration eliminators, phase monitoring for 3 phase units, start-up costs and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring.

23 64 23 16-0002	EA	20 Ton Packaged Water Cooled Scroll Water Chiller	28,257.07	2,226.50
23 64 23 16-0003	EA	25 Ton Packaged Water Cooled Scroll Water Chiller	32,424.54	2,293.76
23 64 23 16-0004	EA	30 Ton Packaged Water Cooled Scroll Water Chiller	35,962.33	2,518.08
23 64 23 16-0005	EA	40 Ton Packaged Water Cooled Scroll Water Chiller	44,255.09	3,201.64
23 64 23 16-0006	EA	50 Ton Packaged Water Cooled Scroll Water Chiller	48,946.41	3,508.67
23 64 23 16-0007	EA	60 Ton Packaged Water Cooled Scroll Water Chiller	51,496.74	3,876.63

23 64 26 Rotary-Screw Water Chillers (23 64)**23 64 26 13 Air-Cooled, Rotary-Screw Water Chillers (23 64 26)****23 64 26 13-0001 Packaged Air-Cooled Rotary-Screw Water Chillers (23 64 26 13)**

Note: Includes hermetic direct-drive compressors start-up, coil guards, copper fins, copper tubes, factory wired and installed control panel, refrigerant monitor with scanner, audible alarm, and lights, phase monitoring for 3 phase units, 440/460 voltage motor rating, motor starters, factory charge of refrigerant and equipment rigging. Units greater than 20 tons include dual compressors. Excludes crane and associated personnel. See CSI section 01 22 23 00-0976 for crane lifting equipment.

23 64 26 13-0002	EA	70 Ton Packaged Air-Cooled Rotary-Screw Water Chiller.....	107,403.90	4,448.90
		For Aluminum Fins Instead Of Copper, Deduct	-1,511.05	
		For 208/230 Voltage Motor Rating, Add	4,029.45	
23 64 26 13-0003	EA	80 Ton Packaged Air-Cooled Rotary-Screw Water Chiller.....	115,432.21	4,832.23
		For Aluminum Fins Instead Of Copper, Deduct	-1,622.93	
		For 208/230 Voltage Motor Rating, Add	4,327.82	
23 64 26 13-0004	EA	90 Ton Packaged Air-Cooled Rotary-Screw Water Chiller.....	121,425.05	5,041.31
		For Aluminum Fins Instead Of Copper, Deduct	-1,707.95	
		For 208/230 Voltage Motor Rating, Add	4,554.52	
23 64 26 13-0005	EA	100 Ton Packaged Air-Cooled Rotary-Screw Water Chiller.....	125,915.19	5,424.64
		For Aluminum Fins Instead Of Copper, Deduct	-1,766.76	
		For 208/230 Voltage Motor Rating, Add	4,711.36	
23 64 26 13-0006	EA	110 Ton Packaged Air-Cooled Rotary-Screw Water Chiller.....	135,133.09	5,691.81
		For Aluminum Fins Instead Of Copper, Deduct	-1,899.10	
		For 208/230 Voltage Motor Rating, Add	5,064.28	
23 64 26 13-0007	EA	120 Ton Packaged Air-Cooled Rotary-Screw Water Chiller.....	143,599.48	5,807.97
		For Aluminum Fins Instead Of Copper, Deduct	-2,023.31	
		For 208/230 Voltage Motor Rating, Add	5,395.50	
23 64 26 13-0008	EA	130 Ton Packaged Air-Cooled Rotary-Screw Water Chiller.....	151,583.02	6,005.44
		For Aluminum Fins Instead Of Copper, Deduct	-2,138.71	
		For 208/230 Voltage Motor Rating, Add	5,703.23	
23 64 26 13-0009	EA	140 Ton Packaged Air-Cooled Rotary-Screw Water Chiller.....	156,429.87	6,133.21
		For Aluminum Fins Instead Of Copper, Deduct	-2,208.45	
		For 208/230 Voltage Motor Rating, Add	5,889.20	
23 64 26 13-0010	EA	160 Ton Packaged Air-Cooled Rotary-Screw Water Chiller.....	165,178.31	6,260.99
		For Aluminum Fins Instead Of Copper, Deduct	-2,336.72	
		For 208/230 Voltage Motor Rating, Add	6,231.24	
23 64 26 13-0011	EA	170 Ton Packaged Air-Cooled Rotary-Screw Water Chiller.....	172,415.64	6,458.46
		For Aluminum Fins Instead Of Copper, Deduct	-2,440.92	
		For 208/230 Voltage Motor Rating, Add	6,509.12	
23 64 26 13-0012	EA	180 Ton Packaged Air-Cooled Rotary-Screw Water Chiller.....	181,811.00	6,714.01
		For Aluminum Fins Instead Of Copper, Deduct	-2,576.10	
		For 208/230 Voltage Motor Rating, Add	6,869.60	
23 64 26 13-0013	EA	200 Ton Packaged Air-Cooled Rotary-Screw Water Chiller.....	190,044.12	6,853.40
		For Aluminum Fins Instead Of Copper, Deduct	-2,696.63	
		For 208/230 Voltage Motor Rating, Add	7,191.03	
23 64 26 13-0014	EA	215 Ton Packaged Air-Cooled Rotary-Screw Water Chiller.....	203,713.15	6,969.56
		For Aluminum Fins Instead Of Copper, Deduct	-2,898.88	
		For 208/230 Voltage Motor Rating, Add	7,730.35	
23 64 26 13-0015	EA	225 Ton Packaged Air-Cooled Rotary-Screw Water Chiller.....	212,794.87	7,039.26
		For Aluminum Fins Instead Of Copper, Deduct	-3,033.71	
		For 208/230 Voltage Motor Rating, Add	8,089.90	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 26 13-0016 EA 240 Ton Packaged Air-Cooled Rotary-Screw Water Chiller For Aluminum Fins Instead Of Copper, Deduct For 208/230 Voltage Motor Rating, Add	221,876.58 -3,168.55 8,449.46	7,097.34
23 64 26 13-0017 EA 260 Ton Packaged Air-Cooled Rotary-Screw Water Chiller For Aluminum Fins Instead Of Copper, Deduct For 208/230 Voltage Motor Rating, Add	249,052.00 -3,573.04 9,528.11	7,236.72
23 64 26 13-0018 EA 280 Ton Packaged Air-Cooled Rotary-Screw Water Chiller For Aluminum Fins Instead Of Copper, Deduct For 208/230 Voltage Motor Rating, Add	262,732.65 -3,775.29 10,067.44	7,376.12
23 64 26 13-0019 EA 300 Ton Packaged Air-Cooled Rotary-Screw Water Chiller For Aluminum Fins Instead Of Copper, Deduct For 208/230 Voltage Motor Rating, Add	280,896.07 -4,044.95 10,786.54	7,492.28
23 64 26 13-0020 EA 325 Ton Packaged Air-Cooled Rotary-Screw Water Chiller For Aluminum Fins Instead Of Copper, Deduct For 208/230 Voltage Motor Rating, Add	308,048.27 -4,449.45 11,865.19	7,620.06
23 64 26 13-0021 EA 350 Ton Packaged Air-Cooled Rotary-Screw Water Chiller For Aluminum Fins Instead Of Copper, Deduct For 208/230 Voltage Motor Rating, Add	335,819.35 -4,863.75 12,970.00	7,712.98

23 64 26 16 Water-Cooled, Rotary-Screw Water Chillers (23 64 26)
23 64 26 16-0001 Packaged Water Cooled Helical Rotary Water Chillers (23 64 26 16)

Note: Integral heat exchanger. Rated by cooling capacity in tons. Factory assembled package type includes semi-hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gages, lead-lag switch, compressor unloaders, removable core filter dryer, 3-valve by-pass, sight glass, internal wiring, motor starters, insulation, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, full factory refrigerant charge, vibration eliminators, NEMA 1 flow switches, wye-delta starter, extended warranty on compressor(s), start-up costs and equipment rigging. Excludes piping and power wiring.

23 64 26 16-0002 EA 70 Ton Packaged Water Cooled Helical Rotary Water Chiller	70,820.52	5,418.38
23 64 26 16-0003 EA 80 Ton Packaged Water Cooled Helical Rotary Water Chiller	76,843.87	5,629.10
23 64 26 16-0004 EA 90 Ton Packaged Water Cooled Helical Rotary Water Chiller	82,077.63	5,779.60
23 64 26 16-0005 EA 100 Ton Packaged Water Cooled Helical Rotary Water Chiller	86,640.70	6,023.44
23 64 26 16-0006 EA 110 Ton Packaged Water Cooled Helical Rotary Water Chiller	91,167.70	6,188.99
23 64 26 16-0007 EA 125 Ton Packaged Water Cooled Helical Rotary Water Chiller	96,680.52	6,362.75
23 64 26 16-0008 EA 130 Ton Packaged Water Cooled Helical Rotary Water Chiller	130,333.30	6,540.59
23 64 26 16-0009 EA 150 Ton Packaged Water Cooled Helical Rotary Water Chiller	135,302.12	6,717.59
23 64 26 16-0010 EA 175 Ton Packaged Water Cooled Helical Rotary Water Chiller	139,024.15	6,883.87
23 64 26 16-0011 EA 190 Ton Packaged Water Cooled Helical Rotary Water Chiller	140,445.73	7,228.12
23 64 26 16-0012 EA 200 Ton Packaged Water Cooled Helical Rotary Water Chiller	139,483.94	7,576.70
23 64 26 16-0013 EA 210 Ton Packaged Water Cooled Helical Rotary Water Chiller	147,562.65	7,738.90
23 64 26 16-0014 EA 235 Ton Packaged Water Cooled Helical Rotary Water Chiller	160,342.95	7,908.19
23 64 26 16-0015 EA 255 Ton Packaged Water Cooled Helical Rotary Water Chiller	170,346.29	8,270.13
23 64 26 16-0016 EA 275 Ton Packaged Water Cooled Helical Rotary Water Chiller	179,809.82	8,604.87
23 64 26 16-0017 EA 300 Ton Packaged Water Cooled Helical Rotary Water Chiller	190,822.71	8,945.75
23 64 26 16-0018 EA 350 Ton Packaged Water Cooled Helical Rotary Water Chiller	209,482.07	9,738.64
23 64 26 16-0019 EA 400 Ton Packaged Water Cooled Helical Rotary Water Chiller	224,773.00	10,711.53
23 64 26 16-0020 EA 450 Ton Packaged Water Cooled Helical Rotary Water Chiller	236,712.95	11,783.18

23 65 Cooling Towers (23 60)
23 65 13 Forced-Draft Cooling Towers (23 65)
23 65 13 16 Closed-Circuit, Forced-Draft Cooling Towers (23 65 13)
23 65 13 16-0001 Closed-Circuit, Forced-Draft Cooling Towers (23 65 13 16)
23 65 13 16-0002 Blow-Thru Centrifugal Fan Type Galvanized Cooling Towers (23 65 13 16-0001)

Note: Including 2-speed motor internal piping, vibration switch, basin, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Rated by cooling capacity in tons. Design temperature 95 degree F in, 85 degree F out. Excludes crane and associated personnel.

23 65 13 16-0003 EA 50 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	20,860.29	1,928.25
For Stainless Steel Cooling Tower, Add	10,780.75	
23 65 13 16-0004 EA 75 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	28,755.47	2,358.04
For Stainless Steel Cooling Tower, Add	15,141.50	
23 65 13 16-0005 EA 100 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	36,054.98	2,962.06
For Stainless Steel Cooling Tower, Add	18,775.46	
23 65 13 16-0006 EA 125 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	41,582.80	3,310.55
For Stainless Steel Cooling Tower, Add	21,757.62	
23 65 13 16-0007 EA 150 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	47,524.80	3,728.71
For Stainless Steel Cooling Tower, Add	24,918.59	
23 65 13 16-0008 EA 175 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	53,436.36	4,181.74
For Stainless Steel Cooling Tower, Add	28,033.41	
23 65 13 16-0009 EA 200 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	59,971.20	4,657.99
For Stainless Steel Cooling Tower, Add	31,494.32	
23 65 13 16-0010 EA 225 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	65,538.26	5,250.41
For Stainless Steel Cooling Tower, Add	34,263.05	
23 65 13 16-0011 EA 250 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	71,401.35	5,831.20
For Stainless Steel Cooling Tower, Add	37,216.37	
23 65 13 16-0012 EA 275 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	78,184.90	6,899.87
For Stainless Steel Cooling Tower, Add	40,261.97	
23 65 13 16-0013 EA 300 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	84,968.87	7,643.29
For Stainless Steel Cooling Tower, Add	43,607.53	
23 65 13 16-0014 EA 325 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	89,534.52	8,131.15
For Stainless Steel Cooling Tower, Add	45,914.80	
23 65 13 16-0015 EA 350 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	94,877.67	8,607.41
For Stainless Steel Cooling Tower, Add	48,625.85	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 60 Central Cooling Equipment****23 65 Cooling Towers**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 65 13 16-0016	EA	375 Ton Blow-Thru Centrifugal Fan Type Cooling Tower.....	100,069.80	9,025.58
		<i>For Stainless Steel Cooling Tower, Add</i>	51,336.90	
23 65 13 16-0017	EA	400 Ton Blow-Thru Centrifugal Fan Type Cooling Tower.....	106,019.42	9,443.76
		<i>For Stainless Steel Cooling Tower, Add</i>	54,509.41	
23 65 13 16-0018	EA	425 Ton Blow-Thru Centrifugal Fan Type Cooling Tower.....	112,323.94	9,954.85
		<i>For Stainless Steel Cooling Tower, Add</i>	57,797.27	
23 65 13 16-0019	EA	450 Ton Blow-Thru Centrifugal Fan Type Cooling Tower.....	119,482.06	10,465.96
		<i>For Stainless Steel Cooling Tower, Add</i>	61,604.29	
23 65 13 16-0020	EA	475 Ton Blow-Thru Centrifugal Fan Type Cooling Tower.....	126,439.51	10,907.36
		<i>For Stainless Steel Cooling Tower, Add</i>	65,353.61	
23 65 13 16-0021	EA	500 Ton Blow-Thru Centrifugal Fan Type Cooling Tower.....	133,408.57	11,348.77
		<i>For Stainless Steel Cooling Tower, Add</i>	69,102.93	
23 65 13 16-0022	EA	550 Ton Blow-Thru Centrifugal Fan Type Cooling Tower.....	146,661.35	11,825.02
		<i>For Stainless Steel Cooling Tower, Add</i>	76,601.58	
23 65 13 16-0023	EA	600 Ton Blow-Thru Centrifugal Fan Type Cooling Tower.....	161,067.79	12,289.66
		<i>For Stainless Steel Cooling Tower, Add</i>	84,792.41	
23 65 13 16-0024	EA	650 Ton Blow-Thru Centrifugal Fan Type Cooling Tower.....	166,928.90	12,545.21
		<i>For Stainless Steel Cooling Tower, Add</i>	88,253.33	
23 65 13 16-0025	EA	700 Ton Blow-Thru Centrifugal Fan Type Cooling Tower.....	173,943.65	12,707.84
		<i>For Stainless Steel Cooling Tower, Add</i>	92,406.43	
23 65 13 16-0026	EA	750 Ton Blow-Thru Centrifugal Fan Type Cooling Tower.....	182,079.97	13,358.32
		<i>For Stainless Steel Cooling Tower, Add</i>	96,674.89	
23 65 13 16-0027	EA	800 Ton Blow-Thru Centrifugal Fan Type Cooling Tower.....	191,562.18	14,008.81
		<i>For Stainless Steel Cooling Tower, Add</i>	101,750.89	
23 65 13 16-0028	EA	850 Ton Blow-Thru Centrifugal Fan Type Cooling Tower.....	201,137.33	14,717.39
		<i>For Stainless Steel Cooling Tower, Add</i>	106,826.90	
23 65 13 16-0029	EA	900 Ton Blow-Thru Centrifugal Fan Type Cooling Tower.....	212,250.65	15,425.96
		<i>For Stainless Steel Cooling Tower, Add</i>	112,825.82	
23 65 13 16-0030	EA	950 Ton Blow-Thru Centrifugal Fan Type Cooling Tower.....	223,718.88	16,239.08
		<i>For Stainless Steel Cooling Tower, Add</i>	118,940.11	
23 65 13 16-0031	EA	1,000 Ton Centrifugal Type Cooling Tower	236,713.65	17,052.19
		<i>For Stainless Steel Cooling Tower, Add</i>	125,977.30	

23 65 14 Induced-Draft Cooling Towers (23 65)**23 65 14 13 Open-Circuit, Induced-Draft Counterflow Cooling Towers (23 65 14)****23 65 14 13-0001 Galvanized Induced Draft Axial Single Flow Propeller Type Cooling Towers**

(23 65 14 13)

Note: Includes internal piping, fan, motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping or power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 78 degree F wet bulb. 3 GPM/ton. Excludes crane and associated personnel.

23 65 14 13-0002	EA	10 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower.....	10,632.61	1,300.98
		<i>For Polymer Coating Over Galvanized Components, Add</i>	1,302.17	
		<i>For Stainless Steel Support Structure, Add</i>	2,604.34	
23 65 14 13-0003	EA	20 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower.....	12,612.21	1,405.53
		<i>For Polymer Coating Over Galvanized Components, Add</i>	1,574.72	
		<i>For Stainless Steel Support Structure, Add</i>	3,149.43	
23 65 14 13-0004	EA	30 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower.....	15,088.51	1,579.77
		<i>For Polymer Coating Over Galvanized Components, Add</i>	1,907.83	
		<i>For Stainless Steel Support Structure, Add</i>	3,815.66	
23 65 14 13-0005	EA	40 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower.....	16,745.65	1,742.39
		<i>For Polymer Coating Over Galvanized Components, Add</i>	2,119.81	
		<i>For Stainless Steel Support Structure, Add</i>	4,239.62	
23 65 14 13-0006	EA	50 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower.....	19,850.85	1,928.25
		<i>For Polymer Coating Over Galvanized Components, Add</i>	2,543.77	
		<i>For Stainless Steel Support Structure, Add</i>	5,087.54	
23 65 14 13-0007	EA	60 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower.....	23,109.06	2,079.25
		<i>For Polymer Coating Over Galvanized Components, Add</i>	2,999.40	
		<i>For Stainless Steel Support Structure, Add</i>	5,998.80	
23 65 14 13-0008	EA	75 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower.....	26,534.71	2,358.04
		<i>For Polymer Coating Over Galvanized Components, Add</i>	3,452.26	
		<i>For Stainless Steel Support Structure, Add</i>	6,904.52	
23 65 14 13-0009	EA	100 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower.....	33,026.68	2,962.06
		<i>For Polymer Coating Over Galvanized Components, Add</i>	4,239.62	
		<i>For Stainless Steel Support Structure, Add</i>	8,479.24	
23 65 14 13-0010	EA	125 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower.....	36,006.88	3,310.55
		<i>For Polymer Coating Over Galvanized Components, Add</i>	4,603.02	
		<i>For Stainless Steel Support Structure, Add</i>	9,206.03	
23 65 14 13-0011	EA	150 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower.....	55,094.90	3,728.71
		<i>For Polymer Coating Over Galvanized Components, Add</i>	7,365.16	
		<i>For Stainless Steel Support Structure, Add</i>	14,730.32	
23 65 14 13-0012	EA	200 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower.....	66,657.50	4,657.99
		<i>For Polymer Coating Over Galvanized Components, Add</i>	8,876.53	
		<i>For Stainless Steel Support Structure, Add</i>	17,753.05	
23 65 14 13-0013	EA	300 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower.....	86,110.59	7,643.29
		<i>For Polymer Coating Over Galvanized Components, Add</i>	11,073.14	
		<i>For Stainless Steel Support Structure, Add</i>	22,146.28	

23 65 14 13-0014 Galvanized Induced Draft Double Flow Propeller Type Packaged Cooling Towers (23 65 14 13)

Note: 3 GPM/ton draft. Includes internal piping, fan, 2-speed motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Excludes crane and associated personnel.

23 65 14 13-0015	EA	100 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	33,026.68	2,962.06
		<i>For Polymer Coating Over Galvanized Components, Add</i>	4,239.62	
		<i>For Stainless Steel Support Structure, Add</i>	8,479.24	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 14 13-0016	EA	150 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	44,015.81 5,703.30 11,406.60	3,728.71
23 65 14 13-0017	EA	200 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	55,933.47 7,267.92 14,535.84	4,657.99
23 65 14 13-0018	EA	250 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	66,344.57 8,545.58 17,091.15	5,831.20
23 65 14 13-0019	EA	300 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	78,787.29 9,974.64 19,949.29	7,643.29
23 65 14 13-0020	EA	350 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	87,811.63 11,096.56 22,193.12	8,607.41
23 65 14 13-0021	EA	400 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	97,943.96 12,416.03 24,832.07	9,443.76
23 65 14 13-0022	EA	450 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	111,022.04 14,132.07 28,264.14	10,465.96
23 65 14 13-0023	EA	500 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	125,236.97 16,049.99 32,099.99	11,348.77
23 65 14 13-0024	EA	550 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	134,163.60 17,275.73 34,551.47	11,964.41
23 65 14 13-0025	EA	600 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	143,815.13 18,610.20 37,220.41	12,289.66
23 65 14 13-0026	EA	700 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	163,272.49 21,500.93 43,001.87	12,707.84
23 65 14 13-0027	EA	800 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	179,064.44 23,563.06 47,126.12	14,008.81
23 65 14 13-0028	EA	900 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	197,830.17 26,043.38 52,086.77	15,425.96

23 65 14 14 Open-Circuit, Induced-Draft Crossflow Cooling Towers (23 65 14)

23 65 14 14-0001 Galvanized Induced Draft Crossflow Film Filled Propeller Type Cooling Towers (23 65 14 14)

Note: Includes fan, 2-speed motor, geared speed reducer, louvers, drift eliminators, hot water distribution system, cold water collection basin, float valve and access door, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Excludes crane and associated personnel. See CSI section 01 22 23 00-0976 for crane lifting equipment.

23 65 14 14-0002	EA	10 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	9,022.35 1,060.63 2,121.26	1,300.98
23 65 14 14-0003	EA	15 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	9,743.57 1,165.33 2,330.66	1,324.22
23 65 14 14-0004	EA	20 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	10,597.06 1,265.47 2,530.95	1,440.38
23 65 14 14-0005	EA	25 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	12,401.03 1,520.39 3,040.78	1,510.07
23 65 14 14-0006	EA	30 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	14,053.28 1,752.54 3,505.09	1,579.77
23 65 14 14-0007	EA	35 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	15,668.06 1,975.60 3,951.19	1,661.07
23 65 14 14-0008	EA	40 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	17,149.84 2,180.44 4,360.88	1,742.39
23 65 14 14-0009	EA	45 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	18,794.98 2,408.04 4,816.09	1,835.32
23 65 14 14-0010	EA	50 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	20,402.65 2,626.54 5,253.08	1,928.25
23 65 14 14-0011	EA	60 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	23,567.02 3,068.09 6,136.19	2,079.25
23 65 14 14-0012	EA	70 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	26,997.39 3,546.06 7,092.12	2,241.88
23 65 14 14-0013	EA	75 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	28,586.33 3,760.01 7,520.01	2,358.04
23 65 14 14-0014	EA	80 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	30,314.66 3,973.95 7,947.91	2,555.50

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 60 Central Cooling Equipment****23 65 Cooling Towers**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 65 14 14-0015	EA	90 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	31,587.79	2,752.97
		For Polymer Coating Over Galvanized Components, Add	4,119.62	
		For Stainless Steel Support Structure, Add	8,239.24	
23 65 14 14-0016	EA	100 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	33,956.45	2,962.06
		For Polymer Coating Over Galvanized Components, Add	4,379.09	
		For Stainless Steel Support Structure, Add	8,758.17	
23 65 14 14-0017	EA	125 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	35,333.38	3,310.55
		For Polymer Coating Over Galvanized Components, Add	4,501.99	
		For Stainless Steel Support Structure, Add	9,003.98	
23 65 14 14-0018	EA	150 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	41,044.72	3,728.71
		For Polymer Coating Over Galvanized Components, Add	5,257.64	
		For Stainless Steel Support Structure, Add	10,515.27	
23 65 14 14-0019	EA	175 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	45,345.87	4,181.74
		For Polymer Coating Over Galvanized Components, Add	5,794.78	
		For Stainless Steel Support Structure, Add	11,589.56	
23 65 14 14-0020	EA	200 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	47,720.91	4,657.99
		For Polymer Coating Over Galvanized Components, Add	6,036.04	
		For Stainless Steel Support Structure, Add	12,072.08	
23 65 14 14-0021	EA	225 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	55,167.70	5,250.41
		For Polymer Coating Over Galvanized Components, Add	7,010.18	
		For Stainless Steel Support Structure, Add	14,020.36	
23 65 14 14-0022	EA	250 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	60,478.59	5,831.20
		For Polymer Coating Over Galvanized Components, Add	7,665.68	
		For Stainless Steel Support Structure, Add	15,331.36	
23 65 14 14-0023	EA	275 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	64,644.24	6,899.87
		For Polymer Coating Over Galvanized Components, Add	8,034.39	
		For Stainless Steel Support Structure, Add	16,068.79	
23 65 14 14-0024	EA	300 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	69,736.72	7,643.29
		For Polymer Coating Over Galvanized Components, Add	8,617.06	
		For Stainless Steel Support Structure, Add	17,234.12	
23 65 14 14-0025	EA	350 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	79,718.13	8,607.41
		For Polymer Coating Over Galvanized Components, Add	9,882.53	
		For Stainless Steel Support Structure, Add	19,765.07	
23 65 14 14-0026	EA	400 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	87,882.06	9,443.76
		For Polymer Coating Over Galvanized Components, Add	10,906.75	
		For Stainless Steel Support Structure, Add	21,813.50	
23 65 14 14-0027	EA	450 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	97,137.02	10,465.96
		For Polymer Coating Over Galvanized Components, Add	12,049.32	
		For Stainless Steel Support Structure, Add	24,098.63	
23 65 14 14-0028	EA	500 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	105,849.10	11,348.77
		For Polymer Coating Over Galvanized Components, Add	13,141.81	
		For Stainless Steel Support Structure, Add	26,283.62	
23 65 14 14-0029	EA	600 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	121,015.37	12,289.66
		For Polymer Coating Over Galvanized Components, Add	15,190.24	
		For Stainless Steel Support Structure, Add	30,380.48	
23 65 14 14-0030	EA	700 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	135,798.17	12,707.84
		For Polymer Coating Over Galvanized Components, Add	17,379.78	
		For Stainless Steel Support Structure, Add	34,759.57	
23 65 14 14-0031	EA	800 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	151,802.25	14,008.81
		For Polymer Coating Over Galvanized Components, Add	19,473.73	
		For Stainless Steel Support Structure, Add	38,947.47	
23 65 14 14-0032	EA	900 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	167,324.53	15,425.96
		For Polymer Coating Over Galvanized Components, Add	21,467.54	
		For Stainless Steel Support Structure, Add	42,935.08	
23 65 14 14-0033	EA	1,000 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	182,523.15	17,052.19
		For Polymer Coating Over Galvanized Components, Add	23,365.75	
		For Stainless Steel Support Structure, Add	46,731.50	
23 65 14 14-0034	EA	1,100 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	199,805.44	17,876.93
		For Polymer Coating Over Galvanized Components, Add	25,764.69	
		For Stainless Steel Support Structure, Add	51,529.38	
23 65 14 14-0035	EA	1,200 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	216,471.82	18,643.59
		For Polymer Coating Over Galvanized Components, Add	28,081.69	
		For Stainless Steel Support Structure, Add	56,163.38	
23 65 14 14-0036	EA	1,300 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	230,239.61	20,246.57
		For Polymer Coating Over Galvanized Components, Add	29,770.50	
		For Stainless Steel Support Structure, Add	59,541.01	
23 65 14 14-0037	EA	1,400 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	243,556.00	21,965.73
		For Polymer Coating Over Galvanized Components, Add	31,363.73	
		For Stainless Steel Support Structure, Add	62,727.46	
23 65 14 14-0038	EA	1,500 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	256,386.10	23,777.81
		For Polymer Coating Over Galvanized Components, Add	32,861.36	
		For Stainless Steel Support Structure, Add	65,722.71	
23 65 14 14-0039	EA	1,600 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	268,227.84	25,415.67
		For Polymer Coating Over Galvanized Components, Add	34,254.29	
		For Stainless Steel Support Structure, Add	68,508.58	
23 65 14 14-0040	EA	1,700 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	279,785.23	27,285.82
		For Polymer Coating Over Galvanized Components, Add	35,547.08	
		For Stainless Steel Support Structure, Add	71,094.15	
23 65 14 14-0041	EA	1,800 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	291,169.95	29,446.41
		For Polymer Coating Over Galvanized Components, Add	36,744.27	
		For Stainless Steel Support Structure, Add	73,488.54	
23 65 14 14-0042	EA	1,900 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	301,845.15	31,606.95
		For Polymer Coating Over Galvanized Components, Add	37,836.77	
		For Stainless Steel Support Structure, Add	75,673.53	
23 65 14 14-0043	EA	2,000 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	313,114.32	34,557.41
		For Polymer Coating Over Galvanized Components, Add	38,833.67	
		For Stainless Steel Support Structure, Add	77,667.33	

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 65 14 14-0044		Induced Draft Crossflow Stainless Steel Propeller Type Cooling Towers (23 65 14 14)	
		Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-0976 for crane lifting equipment.	
23 65 14 14-0045	EA	100 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	91,235.88
		For Induced Draft Counter Flow Type, Add	4,323.67
23 65 14 14-0046	EA	125 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	103,410.75
		For Induced Draft Counter Flow Type, Add	4,904.53
23 65 14 14-0047	EA	150 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	113,012.50
		For Induced Draft Counter Flow Type, Add	5,350.93
23 65 14 14-0048	EA	200 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	125,614.11
		For Induced Draft Counter Flow Type, Add	5,906.67
23 65 14 14-0049	EA	250 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	142,262.31
		For Induced Draft Counter Flow Type, Add	6,644.41
23 65 14 14-0050	EA	300 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	163,301.09
		For Induced Draft Counter Flow Type, Add	7,550.57
23 65 14 14-0051	EA	350 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	177,903.03
		For Induced Draft Counter Flow Type, Add	8,203.42
23 65 14 14-0052	EA	400 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	192,295.88
		For Induced Draft Counter Flow Type, Add	8,856.27
23 65 14 14-0053	EA	500 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	221,933.80
		For Induced Draft Counter Flow Type, Add	10,184.84
23 65 14 14-0054	EA	600 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	250,698.45
		For Induced Draft Counter Flow Type, Add	11,547.57
23 65 14 14-0055	EA	750 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	310,525.70
		For Induced Draft Counter Flow Type, Add	14,422.77
23 65 14 14-0056	EA	1,000 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	403,099.34
		For Induced Draft Counter Flow Type, Add	18,817.39
23 65 14 16		Closed-Circuit, Induced-Draft Counterflow Cooling Towers (23 65 14 16)	
23 65 14 16-0001		Stainless Steel Packaged Propeller Type Cooling Towers (23 65 14 16)	
		Note: Including internal piping, fan, motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping or power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 79 degree F wet Bulb. 3 GPM/ton.	
23 65 14 16-0002		Draw-Thru Stainless Steel Propeller Type Cooling Towers (23 65 14 16-0001)	
		Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-0976 for crane lifting equipment.	
23 65 14 16-0003	EA	50 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	38,323.80
23 65 14 16-0004	EA	75 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	54,480.04
23 65 14 16-0005	EA	100 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	64,198.25
23 65 14 16-0006	EA	125 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	72,778.36
23 65 14 16-0007	EA	150 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	79,835.71
23 65 14 16-0008	EA	200 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	95,728.74
23 65 14 16-0009	EA	250 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	112,653.12
23 65 14 16-0010	EA	300 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	133,524.38
23 65 14 16-0011	EA	350 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	146,170.48
23 65 14 16-0012	EA	400 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	165,729.10
23 65 14 16-0013	EA	500 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	192,102.76
23 65 14 16-0014	EA	600 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	216,879.15
23 65 14 16-0015	EA	750 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	268,283.86
23 65 14 16-0016	EA	1,000 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	341,745.35
23 65 14 16-0017		Belt Driven Stainless Steel Propeller Type Cooling Towers (23 65 14 16-0001)	
		Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-0976 for crane lifting equipment.	
23 65 14 16-0018	EA	100 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	66,873.94
23 65 14 16-0019	EA	125 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	72,361.84
23 65 14 16-0020	EA	150 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	77,970.43
23 65 14 16-0021	EA	200 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	92,201.90
23 65 14 16-0022	EA	250 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	101,610.79
23 65 14 16-0023		Fiberglass Packaged Draw-Thru Propeller Type Cooling Towers (23 65 14 16)	
		Note: Includes internal piping, fan, 2-speed motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 78 degree F wet bulb. 3 GPM/ton. Excludes crane and associated personnel.	
23 65 14 16-0024	EA	5 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	4,514.43
23 65 14 16-0025	EA	8 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	4,751.86
23 65 14 16-0026	EA	10 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	5,506.43
23 65 14 16-0027	EA	15 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	6,208.85
23 65 14 16-0028	EA	20 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	8,099.93
23 65 14 16-0029	EA	25 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	8,565.74
23 65 14 16-0030	EA	30 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	9,667.41
23 65 14 16-0031	EA	40 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	11,139.67
23 65 14 16-0032	EA	50 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	12,430.03
23 65 14 16-0033	EA	60 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	13,922.42
23 65 14 16-0034	EA	70 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	16,044.98
23 65 14 16-0035	EA	80 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	17,477.84
23 65 14 16-0036	EA	100 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	21,165.10
23 65 14 16-0037	EA	125 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	26,129.54
23 65 14 16-0038	EA	150 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	29,346.64
23 65 14 16-0039	EA	175 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	35,601.56
23 65 14 16-0040	EA	200 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	39,706.39
23 65 14 16-0041	EA	225 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	43,895.92
23 65 14 16-0042	EA	250 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	47,900.44
23 65 14 16-0043	EA	300 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	57,449.04

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 60 Central Cooling Equipment****23 65 Cooling Towers**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 65 14 16-0044	EA	350 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	65,280.14	8,607.41
23 65 14 16-0045	EA	400 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	72,540.88	9,443.76
23 65 14 16-0046	EA	500 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	88,179.86	11,116.45
23 65 14 16-0047	EA	600 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	100,672.70	12,289.66
23 65 14 16-0048	EA	700 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	106,308.02	9,443.76
23 65 14 16-0049	EA	800 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	121,920.48	14,008.81
23 65 14 16-0050	EA	1,000 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	138,923.74	11,674.02

23 65 43 Cooling Tower Basins and Accessories ^(23 65)**23 65 43 00-0001 Fiberglass Cooling Tower Remote Sump Basins** ^(23 65 43)

Note: Includes one inlet sleeve. Excludes cover, excavation, backfill, concrete cut and concrete patch. Excludes crane and associated personnel. See CSI section 01 22 23 00-0976 for crane lifting equipment.

23 65 43 00-0002	EA	30" Diameter x 30" Depth, 92 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	1,382.77	
		For Anti-Flotation Flanges, Add	115.00	
		For Perforated Basins, Add	80.00	
23 65 43 00-0003	EA	30" Diameter x 36" Depth, 110 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	1,564.89	
		For Anti-Flotation Flanges, Add	115.00	
		For Perforated Basins, Add	80.00	
23 65 43 00-0004	EA	36" Diameter x 30" Depth, 132 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	1,536.79	
		For Anti-Flotation Flanges, Add	253.00	
		For Perforated Basins, Add	80.00	
23 65 43 00-0005	EA	36" Diameter x 36" Depth, 159 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	1,800.98	
		For Anti-Flotation Flanges, Add	253.00	
		For Perforated Basins, Add	80.00	
23 65 43 00-0006	EA	42" Diameter x 30" Depth, 180 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	1,953.11	
		For Perforated Basins, Add	100.00	
		For Anti-Flotation Flanges, Add	276.00	
23 65 43 00-0007	EA	42" Diameter x 36" Depth, 216 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	2,168.22	
		For Perforated Basins, Add	100.00	
		For Anti-Flotation Flanges, Add	276.00	
23 65 43 00-0008	EA	42" Diameter x 42" Depth, 252 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	2,383.32	
		For Perforated Basins, Add	100.00	
		For Anti-Flotation Flanges, Add	276.00	
23 65 43 00-0009	EA	48" Diameter x 36" Depth, 282 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	2,412.18	
		For Perforated Basins, Add	140.00	
		For Anti-Flotation Flanges, Add	294.00	
23 65 43 00-0010	EA	48" Diameter x 42" Depth, 329 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	2,666.26	
		For Perforated Basins, Add	140.00	
		For Anti-Flotation Flanges, Add	294.00	
23 65 43 00-0011	EA	48" Diameter x 48" Depth, 376 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	3,039.50	
		For Perforated Basins, Add	140.00	
		For Anti-Flotation Flanges, Add	294.00	
23 65 43 00-0012	EA	48" Diameter x 54" Depth, 423 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	3,415.73	
		For Perforated Basins, Add	140.00	
		For Anti-Flotation Flanges, Add	294.00	
23 65 43 00-0013	EA	48" Diameter x 60" Depth, 470 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	3,663.81	
		For Perforated Basins, Add	140.00	
		For Anti-Flotation Flanges, Add	294.00	

23 70 Central HVAC Equipment ⁽²³⁾

Note: New air filters shall be provided on HVAC equipment prior to turning over to owner. Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 26 05 19 16-0011 for electrical connection and termination, 26 05 83 00-0130 for terminations, 26 28 16 16-0001 for disconnect.

23 71 Thermal Storage ^(23 70)**23 71 13 Thermal Heat Storage** ^(23 71)**23 71 13 23 Pressurized-Water Thermal Storage Tanks** ^(23 71 13)**23 71 13 23-0001 Nickelshield Storage Tanks** ^(23 71 13 23)

23 71 13 23-0002	EA	325 Gallon Nickelshield Storage Tank	30,891.21	220.05
23 71 13 23-0003	EA	490 Gallon Nickelshield Storage Tank	43,109.39	291.76
23 71 13 23-0004	EA	605 Gallon Nickelshield Storage Tank	49,352.79	352.89
23 71 13 23-0005	EA	740 Gallon Nickelshield Storage Tank	58,433.03	441.10
23 71 13 23-0006	EA	940 Gallon Nickelshield Storage Tank	67,978.62	586.38
23 71 13 23-0007	EA	1,505 Gallon Nickelshield Storage Tank	87,823.72	882.32
23 71 13 23-0008	EA	1,615 Gallon Nickelshield Storage Tank	99,175.86	993.78
23 71 13 23-0009	EA	2,275 Gallon Nickelshield Storage Tank	136,197.91	1,320.00
23 71 13 23-0010	EA	3,815 Gallon Nickelshield Storage Tank	176,239.84	1,534.55

23 72 Air-To-Air Energy Recovery Equipment ^(23 70)**23 72 13 Heat-Wheel Air-To-Air Energy-Recovery Equipment** ^(23 72)**23 72 13 00-0001 Enthalpy Recovery Wheel** ^(23 72 13)

23 72 13 00-0002	EA	Up To 1,000 CFM Enthalpy Recovery Wheel	10,966.85	828.52
23 72 13 00-0003	EA	>1,000 To 2,000 CFM Enthalpy Recovery Wheel	12,175.95	994.47
23 72 13 00-0004	EA	>2,000 To 4,000 CFM Enthalpy Recovery Wheel	15,236.03	1,243.09
23 72 13 00-0005	EA	>4,000 To 6,000 CFM Enthalpy Recovery Wheel	17,816.70	1,420.22
23 72 13 00-0006	EA	>6,000 To 8,000 CFM Enthalpy Recovery Wheel	19,712.41	1,491.71
23 72 13 00-0007	EA	>8,000 To 10,000 CFM Enthalpy Recovery Wheel	23,955.74	1,657.65
23 72 13 00-0008	EA	>10,000 To 15,000 CFM Enthalpy Recovery Wheel	31,813.07	1,740.32
23 72 13 00-0009	EA	>15,000 To 20,000 CFM Enthalpy Recovery Wheel	39,619.20	1,864.63

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 72 13 00-0010	EA	>20,000 To 25,000 CFM Enthalpy Recovery Wheel.....	47,976.74	2,130.65
23 72 13 00-0011	EA	>25,000 To 30,000 CFM Enthalpy Recovery Wheel.....	53,772.33	2,734.79
23 72 13 00-0012	EA	>30,000 To 40,000 CFM Enthalpy Recovery Wheel.....	72,055.90	3,107.71
23 72 13 00-0013	EA	>40,000 To 50,000 CFM Enthalpy Recovery Wheel.....	85,705.58	3,729.25
23 72 16 Heat-Pipe Air-To-Air Energy-Recovery Equipment (23 72)				
23 72 16 00-0001		Glycol Heat Pipe Type, 50 Percent Efficient (23 72 16)		
23 72 16 00-0002	EA	100 MBH, 1,700 CFM Glycol Heat Recovery Unit.....	19,755.64	621.54
23 72 16 00-0003	EA	160 MBH, 2,700 CFM Glycol Heat Recovery Unit.....	31,059.73	828.76
23 72 16 00-0004	EA	620 MBH, 4,000 CFM Glycol Heat Recovery Unit.....	46,045.13	1,243.09
23 73 Indoor Central-Station Air-Handling Units (23 70)				
23 73 13		Modular Indoor Central-Station Air-Handling Units (23 73)		
Note: Sized by CFM. Includes motor drive vibration isolators. Use modifiers for Filters and heating and cooling coils. Includes double wall insulated casing, fan section, fan motor, internal dampers, starter, vibration isolators and equipment rigging. Variable speed drives are included on units with 10 HP or greater fans. Modifiers include cooling coil sections with 6 row aluminum fin coil and drain pan, heating coil section with 1 row aluminum fin coil, and filter section with replaceable filters.				
23 73 13 00-0001		Single Zone Units (23 73 13)		
Note: Horizontal/vertical draw-thru fan, motor and cabinet.				
23 73 13 00-0002	EA	300 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan.....	3,062.64	821.87
		For Economizer, Panel, Controls And Damper(s), Add	1,461.87	
		For Medium Capacity Filter Box And Throwaway Filters, Add	459.90	
		For Hot Water Heating Coil, Copper Fins, Add	778.40	
		For Chilled Water Cooling Coil, Copper Fins, Add	1,156.11	
		For Electric Heating Coil, Add	967.25	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	872.83	
		For Manual Roll Filter, Add	1,156.11	
		For Variable Air Volume, Add	264.40	
		For Hot Water Heating Coil, Aluminum Fins, Add	589.55	
		For Steam Heating Coil, Aluminum Fins, Add	778.40	
		For Flat Filter Box And Throwaway Filters, Add	247.56	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	625.27	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	967.25	
		For Automatic Roll Filter, Add	1,250.53	
		For Combination Filter Mixing Box And Throwaway Filters, Add	683.97	
		For 2 Coils, Independent Circuits, Add	344.03	
		For Direct Expansion Cooling Coil, Copper Fins, Add	1,061.68	
23 73 13 00-0003	EA	500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan.....	4,749.07	986.25
		For Economizer, Panel, Controls And Damper(s), Add	1,625.46	
		For Medium Capacity Filter Box And Throwaway Filters, Add	766.80	
		For Hot Water Heating Coil, Copper Fins, Add	1,310.22	
		For Chilled Water Cooling Coil, Copper Fins, Add	1,978.48	
		For Electric Heating Coil, Add	1,644.35	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	1,477.29	
		For Manual Roll Filter, Add	1,978.48	
		For Variable Air Volume, Add	467.78	
		For Hot Water Heating Coil, Aluminum Fins, Add	976.10	
		For Steam Heating Coil, Aluminum Fins, Add	1,310.22	
		For Flat Filter Box And Throwaway Filters, Add	404.52	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,072.77	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	1,644.35	
		For Automatic Roll Filter, Add	2,145.54	
		For Combination Filter Mixing Box And Throwaway Filters, Add	1,143.16	
		For 2 Coils, Independent Circuits, Add	541.73	
		For Direct Expansion Cooling Coil, Copper Fins, Add	1,811.42	
23 73 13 00-0004	EA	800 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan.....	5,352.93	1,059.18
		For Economizer, Panel, Controls And Damper(s), Add	1,699.11	
		For Medium Capacity Filter Box And Throwaway Filters, Add	873.89	
		For Hot Water Heating Coil, Copper Fins, Add	1,495.27	
		For Chilled Water Cooling Coil, Copper Fins, Add	2,263.25	
		For Electric Heating Coil, Add	1,879.26	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	1,687.27	
		For Manual Roll Filter, Add	2,263.25	
		For Variable Air Volume, Add	537.59	
		For Hot Water Heating Coil, Aluminum Fins, Add	1,111.28	
		For Steam Heating Coil, Aluminum Fins, Add	1,495.27	
		For Flat Filter Box And Throwaway Filters, Add	459.64	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,227.62	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	1,879.26	
		For Automatic Roll Filter, Add	2,455.25	
		For Combination Filter Mixing Box And Throwaway Filters, Add	1,303.28	
		For 2 Coils, Independent Circuits, Add	612.09	
		For Direct Expansion Cooling Coil, Copper Fins, Add	2,071.26	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 73 13 00-0005	EA	1,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	6,023.62	1,138.14
		For Economizer, Panel, Controls And Damper(s), Add	1,778.33	
		For Medium Capacity Filter Box And Throwaway Filters, Add	993.32	
		For Hot Water Heating Coil, Copper Fins, Add	1,701.72	
		For Chilled Water Cooling Coil, Copper Fins, Add	2,581.21	
		For Electric Heating Coil, Add	2,141.47	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	1,921.59	
		For Manual Roll Filter, Add	2,581.21	
		For Variable Air Volume, Add	615.64	
		For Hot Water Heating Coil, Aluminum Fins, Add	1,261.98	
		For Steam Heating Coil, Aluminum Fins, Add	1,701.72	
		For Flat Filter Box And Throwaway Filters, Add	521.05	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,400.54	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	2,141.47	
		For Automatic Roll Filter, Add	2,801.08	
		For Combination Filter Mixing Box And Throwaway Filters, Add	1,481.85	
		For 2 Coils, Independent Circuits, Add	690.31	
		For Direct Expansion Cooling Coil, Copper Fins, Add	2,361.34	
23 73 13 00-0006	EA	1,200 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	6,812.09	1,224.45
		For Economizer, Panel, Controls And Damper(s), Add	1,863.03	
		For Medium Capacity Filter Box And Throwaway Filters, Add	1,135.28	
		For Hot Water Heating Coil, Copper Fins, Add	1,947.44	
		For Chilled Water Cooling Coil, Copper Fins, Add	2,960.42	
		For Electric Heating Coil, Add	2,453.93	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	2,200.68	
		For Manual Roll Filter, Add	2,960.42	
		For Variable Air Volume, Add	709.09	
		For Hot Water Heating Coil, Aluminum Fins, Add	1,440.95	
		For Steam Heating Coil, Aluminum Fins, Add	1,947.44	
		For Flat Filter Box And Throwaway Filters, Add	593.85	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,606.83	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	2,453.93	
		For Automatic Roll Filter, Add	3,213.66	
		For Combination Filter Mixing Box And Throwaway Filters, Add	1,694.19	
		For 2 Coils, Independent Circuits, Add	782.51	
		For Direct Expansion Cooling Coil, Copper Fins, Add	2,707.17	
23 73 13 00-0007	EA	1,400 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	7,729.93	1,315.87
		For Economizer, Panel, Controls And Damper(s), Add	1,955.83	
		For Medium Capacity Filter Box And Throwaway Filters, Add	1,301.62	
		For Hot Water Heating Coil, Copper Fins, Add	2,235.54	
		For Chilled Water Cooling Coil, Copper Fins, Add	3,405.57	
		For Electric Heating Coil, Add	2,820.55	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	2,528.04	
		For Manual Roll Filter, Add	3,405.57	
		For Variable Air Volume, Add	819.02	
		For Hot Water Heating Coil, Aluminum Fins, Add	1,650.52	
		For Steam Heating Coil, Aluminum Fins, Add	2,235.54	
		For Flat Filter Box And Throwaway Filters, Add	679.01	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,849.04	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	2,820.55	
		For Automatic Roll Filter, Add	3,698.08	
		For Combination Filter Mixing Box And Throwaway Filters, Add	1,943.03	
		For 2 Coils, Independent Circuits, Add	890.00	
		For Direct Expansion Cooling Coil, Copper Fins, Add	3,113.06	
23 73 13 00-0008	EA	1,600 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	8,455.77	1,414.64
		For Economizer, Panel, Controls And Damper(s), Add	2,051.66	
		For Medium Capacity Filter Box And Throwaway Filters, Add	1,428.99	
		For Hot Water Heating Coil, Copper Fins, Add	2,455.35	
		For Chilled Water Cooling Coil, Copper Fins, Add	3,743.18	
		For Electric Heating Coil, Add	3,099.27	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	2,777.31	
		For Manual Roll Filter, Add	3,743.18	
		For Variable Air Volume, Add	901.48	
		For Hot Water Heating Coil, Aluminum Fins, Add	1,811.44	
		For Steam Heating Coil, Aluminum Fins, Add	2,455.35	
		For Flat Filter Box And Throwaway Filters, Add	744.74	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	2,032.57	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	3,099.27	
		For Automatic Roll Filter, Add	4,065.13	
		For Combination Filter Mixing Box And Throwaway Filters, Add	2,133.40	
		For 2 Coils, Independent Circuits, Add	974.36	
		For Direct Expansion Cooling Coil, Copper Fins, Add	3,421.22	
23 73 13 00-0009	EA	1,800 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	9,244.81	1,524.57
		For Medium Capacity Filter Box And Throwaway Filters, Add	1,565.89	
		For Hot Water Heating Coil, Copper Fins, Add	2,691.31	
		For Chilled Water Cooling Coil, Copper Fins, Add	4,104.78	
		For Electric Heating Coil, Add	3,398.04	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,044.68	
		For Manual Roll Filter, Add	4,104.78	
		For Variable Air Volume, Add	989.42	
		For Hot Water Heating Coil, Aluminum Fins, Add	1,984.58	
		For Steam Heating Coil, Aluminum Fins, Add	2,691.31	
		For Economizer, Panel, Controls And Damper(s), Add	1,947.62	
		For Flat Filter Box And Throwaway Filters, Add	815.61	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	2,229.07	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	3,398.04	
		For Automatic Roll Filter, Add	4,458.14	
		For Combination Filter Mixing Box And Throwaway Filters, Add	2,337.95	
		For 2 Coils, Independent Circuits, Add	1,065.83	
		For Direct Expansion Cooling Coil, Copper Fins, Add	3,751.41	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0010	EA	2,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	10,109.18	1,634.50
		For Medium Capacity Filter Box And Throwaway Filters, Add	1,718.27	
		For Hot Water Heating Coil, Copper Fins, Add	2,954.43	
		For Chilled Water Cooling Coil, Copper Fins, Add	4,509.24	
		For Electric Heating Coil, Add	3,731.84	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,343.13	
		For Manual Roll Filter, Add	4,509.24	
		For Variable Air Volume, Add	1,088.37	
		For Hot Water Heating Coil, Aluminum Fins, Add	2,177.03	
		For Steam Heating Coil, Aluminum Fins, Add	2,954.43	
		For Economizer, Panel, Controls And Damper(s), Add	2,034.32	
		For Flat Filter Box And Throwaway Filters, Add	894.16	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	2,448.97	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	3,731.84	
		For Automatic Roll Filter, Add	4,897.94	
		For Combination Filter Mixing Box And Throwaway Filters, Add	2,565.73	
		For 2 Coils, Independent Circuits, Add	1,166.40	
		For Direct Expansion Cooling Coil, Copper Fins, Add	4,120.54	
23 73 13 00-0011	EA	2,250 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	10,912.10	1,756.90
		For Medium Capacity Filter Box And Throwaway Filters, Add	1,856.14	
		For Hot Water Heating Coil, Copper Fins, Add	3,191.78	
		For Chilled Water Cooling Coil, Copper Fins, Add	4,872.23	
		For Electric Heating Coil, Add	4,032.00	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,611.89	
		For Manual Roll Filter, Add	4,872.23	
		For Variable Air Volume, Add	1,176.32	
		For Hot Water Heating Coil, Aluminum Fins, Add	2,351.55	
		For Steam Heating Coil, Aluminum Fins, Add	3,191.78	
		For Economizer, Panel, Controls And Damper(s), Add	2,130.41	
		For Flat Filter Box And Throwaway Filters, Add	965.72	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	2,646.17	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	4,032.00	
		For Automatic Roll Filter, Add	5,292.34	
		For Combination Filter Mixing Box And Throwaway Filters, Add	2,771.66	
		For 2 Coils, Independent Circuits, Add	1,259.26	
		For Direct Expansion Cooling Coil, Copper Fins, Add	4,452.11	
23 73 13 00-0012	EA	2,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	11,770.06	1,890.45
		For Medium Capacity Filter Box And Throwaway Filters, Add	2,002.97	
		For Hot Water Heating Coil, Copper Fins, Add	3,444.44	
		For Chilled Water Cooling Coil, Copper Fins, Add	5,258.38	
		For Electric Heating Coil, Add	4,351.41	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,897.93	
		For Manual Roll Filter, Add	5,258.38	
		For Variable Air Volume, Add	1,269.76	
		For Hot Water Heating Coil, Aluminum Fins, Add	2,537.47	
		For Steam Heating Coil, Aluminum Fins, Add	3,444.44	
		For Economizer, Panel, Controls And Damper(s), Add	2,235.18	
		For Flat Filter Box And Throwaway Filters, Add	1,041.99	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	2,855.94	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	4,351.41	
		For Automatic Roll Filter, Add	5,711.87	
		For Combination Filter Mixing Box And Throwaway Filters, Add	2,990.95	
		For 2 Coils, Independent Circuits, Add	1,358.40	
		For Direct Expansion Cooling Coil, Copper Fins, Add	4,804.90	
23 73 13 00-0013	EA	3,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	13,687.65	2,188.24
		For Medium Capacity Filter Box And Throwaway Filters, Add	2,331.16	
		For Hot Water Heating Coil, Copper Fins, Add	4,009.20	
		For Chilled Water Cooling Coil, Copper Fins, Add	6,121.54	
		For Electric Heating Coil, Add	5,065.37	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,537.28	
		For Manual Roll Filter, Add	6,121.54	
		For Variable Air Volume, Add	1,478.64	
		For Hot Water Heating Coil, Aluminum Fins, Add	2,953.02	
		For Steam Heating Coil, Aluminum Fins, Add	4,009.20	
		For Economizer, Panel, Controls And Damper(s), Add	2,469.26	
		For Flat Filter Box And Throwaway Filters, Add	1,212.47	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	3,324.81	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	5,065.37	
		For Automatic Roll Filter, Add	6,649.63	
		For Combination Filter Mixing Box And Throwaway Filters, Add	3,481.11	
		For 2 Coils, Independent Circuits, Add	1,580.00	
		For Direct Expansion Cooling Coil, Copper Fins, Add	5,593.45	
23 73 13 00-0014	EA	3,250 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	14,353.95	2,351.58
		For Medium Capacity Filter Box And Throwaway Filters, Add	2,433.95	
		For Hot Water Heating Coil, Copper Fins, Add	4,183.80	
		For Chilled Water Cooling Coil, Copper Fins, Add	6,382.52	
		For Electric Heating Coil, Add	5,283.16	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,733.48	
		For Manual Roll Filter, Add	6,382.52	
		For Variable Air Volume, Add	1,539.11	
		For Hot Water Heating Coil, Aluminum Fins, Add	3,084.44	
		For Steam Heating Coil, Aluminum Fins, Add	4,183.80	
		For Economizer, Panel, Controls And Damper(s), Add	2,598.19	
		For Flat Filter Box And Throwaway Filters, Add	1,267.38	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	3,466.10	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	5,283.16	
		For Automatic Roll Filter, Add	6,932.20	
		For Combination Filter Mixing Box And Throwaway Filters, Add	3,634.12	
		For 2 Coils, Independent Circuits, Add	1,655.27	
		For Direct Expansion Cooling Coil, Copper Fins, Add	5,832.84	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 73 13 00-0015	EA	3,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	15,035.90	2,527.25
		For Medium Capacity Filter Box And Throwaway Filters, Add	2,537.83	
		For Hot Water Heating Coil, Copper Fins, Add	4,359.97	
		For Chilled Water Cooling Coil, Copper Fins, Add	6,645.07	
		For Electric Heating Coil, Add	5,502.52	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,931.24	
		For Manual Roll Filter, Add	6,645.07	
		For Variable Air Volume, Add	1,599.57	
		For Hot Water Heating Coil, Aluminum Fins, Add	3,217.42	
		For Steam Heating Coil, Aluminum Fins, Add	4,359.97	
		For Economizer, Panel, Controls And Damper(s), Add	2,735.72	
		For Flat Filter Box And Throwaway Filters, Add	1,323.07	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	3,608.17	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	5,502.52	
		For Automatic Roll Filter, Add	7,216.34	
		For Combination Filter Mixing Box And Throwaway Filters, Add	3,788.69	
		For 2 Coils, Independent Circuits, Add	1,732.10	
		For Direct Expansion Cooling Coil, Copper Fins, Add	6,073.79	
23 73 13 00-0016	EA	4,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	16,537.20	2,917.64
		For Medium Capacity Filter Box And Throwaway Filters, Add	2,765.42	
		For Hot Water Heating Coil, Copper Fins, Add	4,745.67	
		For Chilled Water Cooling Coil, Copper Fins, Add	7,219.23	
		For Electric Heating Coil, Add	5,982.45	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	5,364.06	
		For Manual Roll Filter, Add	7,219.23	
		For Variable Air Volume, Add	1,731.49	
		For Hot Water Heating Coil, Aluminum Fins, Add	3,508.89	
		For Steam Heating Coil, Aluminum Fins, Add	4,745.67	
		For Flat Filter Box And Throwaway Filters, Add	1,445.25	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	3,918.81	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	5,982.45	
		For Automatic Roll Filter, Add	7,837.63	
		For Combination Filter Mixing Box And Throwaway Filters, Add	4,127.28	
		For 2 Coils, Independent Circuits, Add	1,901.08	
		For Direct Expansion Cooling Coil, Copper Fins, Add	6,600.84	
		For Economizer, Panel, Controls And Damper(s), Add	2,607.76	
23 73 13 00-0017	EA	4,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	16,537.20	2,917.64
		For Medium Capacity Filter Box And Throwaway Filters, Add	2,765.42	
		For Hot Water Heating Coil, Copper Fins, Add	4,745.67	
		For Chilled Water Cooling Coil, Copper Fins, Add	7,219.23	
		For Electric Heating Coil, Add	5,982.45	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	5,364.06	
		For Manual Roll Filter, Add	7,219.23	
		For Variable Air Volume, Add	1,731.49	
		For Hot Water Heating Coil, Aluminum Fins, Add	3,508.89	
		For Steam Heating Coil, Aluminum Fins, Add	4,745.67	
		For Flat Filter Box And Throwaway Filters, Add	1,445.25	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	3,918.81	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	5,982.45	
		For Automatic Roll Filter, Add	7,837.63	
		For Combination Filter Mixing Box And Throwaway Filters, Add	4,127.28	
		For 2 Coils, Independent Circuits, Add	1,901.08	
		For Direct Expansion Cooling Coil, Copper Fins, Add	6,600.84	
		For Economizer, Panel, Controls And Damper(s), Add	2,607.76	
23 73 13 00-0018	EA	5,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	18,176.98	3,351.17
		For Medium Capacity Filter Box And Throwaway Filters, Add	3,012.91	
		For Hot Water Heating Coil, Copper Fins, Add	5,164.86	
		For Chilled Water Cooling Coil, Copper Fins, Add	7,842.59	
		For Electric Heating Coil, Add	6,503.72	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	5,834.29	
		For Manual Roll Filter, Add	7,842.59	
		For Variable Air Volume, Add	1,874.41	
		For Hot Water Heating Coil, Aluminum Fins, Add	3,825.99	
		For Steam Heating Coil, Aluminum Fins, Add	5,164.86	
		For Flat Filter Box And Throwaway Filters, Add	1,578.28	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	4,256.01	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	6,503.72	
		For Automatic Roll Filter, Add	8,512.02	
		For Combination Filter Mixing Box And Throwaway Filters, Add	4,495.43	
		For 2 Coils, Independent Circuits, Add	2,085.47	
		For Direct Expansion Cooling Coil, Copper Fins, Add	7,173.15	
		For Economizer, Panel, Controls And Damper(s), Add	2,855.34	
23 73 13 00-0019	EA	5,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	19,133.46	3,635.75
		For Medium Capacity Filter Box And Throwaway Filters, Add	3,151.32	
		For Hot Water Heating Coil, Copper Fins, Add	5,397.93	
		For Chilled Water Cooling Coil, Copper Fins, Add	8,185.59	
		For Electric Heating Coil, Add	6,791.76	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	6,094.84	
		For Manual Roll Filter, Add	8,185.59	
		For Variable Air Volume, Add	1,951.36	
		For Hot Water Heating Coil, Aluminum Fins, Add	4,004.09	
		For Steam Heating Coil, Aluminum Fins, Add	5,397.93	
		For Flat Filter Box And Throwaway Filters, Add	1,653.59	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	4,441.25	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	6,791.76	
		For Automatic Roll Filter, Add	8,882.51	
		For Combination Filter Mixing Box And Throwaway Filters, Add	4,701.01	
		For 2 Coils, Independent Circuits, Add	2,192.11	
		For Direct Expansion Cooling Coil, Copper Fins, Add	7,488.67	
		For Economizer, Panel, Controls And Damper(s), Add	3,018.06	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0020	EA	6,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan.....	20,068.33	3,905.94
		For Medium Capacity Filter Box And Throwaway Filters, Add	3,288.22	
		For Hot Water Heating Coil, Copper Fins, Add	5,628.83	
		For Chilled Water Cooling Coil, Copper Fins, Add	8,526.43	
		For Electric Heating Coil, Add	7,077.63	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	6,353.23	
		For Manual Roll Filter, Add	8,526.43	
		For Variable Air Volume, Add	2,028.32	
		For Hot Water Heating Coil, Aluminum Fins, Add	4,180.03	
		For Steam Heating Coil, Aluminum Fins, Add	5,628.83	
		For Flat Filter Box And Throwaway Filters, Add	1,727.82	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	4,625.42	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	7,077.63	
		For Automatic Roll Filter, Add	9,250.83	
		For Combination Filter Mixing Box And Throwaway Filters, Add	4,904.43	
		For 2 Coils, Independent Circuits, Add	2,296.59	
		For Direct Expansion Cooling Coil, Copper Fins, Add	7,802.03	
		For Economizer, Panel, Controls And Damper(s), Add	3,172.13	
23 73 13 00-0021	EA	6,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan.....	21,009.72	4,181.27
		For Medium Capacity Filter Box And Throwaway Filters, Add	3,425.58	
		For Hot Water Heating Coil, Copper Fins, Add	5,860.39	
		For Chilled Water Cooling Coil, Copper Fins, Add	8,867.93	
		For Electric Heating Coil, Add	7,364.16	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	6,612.28	
		For Manual Roll Filter, Add	8,867.93	
		For Variable Air Volume, Add	2,105.28	
		For Hot Water Heating Coil, Aluminum Fins, Add	4,356.62	
		For Steam Heating Coil, Aluminum Fins, Add	5,860.39	
		For Flat Filter Box And Throwaway Filters, Add	1,802.37	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	4,809.91	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	7,364.16	
		For Automatic Roll Filter, Add	9,619.81	
		For Combination Filter Mixing Box And Throwaway Filters, Add	5,108.51	
		For 2 Coils, Independent Circuits, Add	2,401.73	
		For Direct Expansion Cooling Coil, Copper Fins, Add	8,116.04	
		For Economizer, Panel, Controls And Damper(s), Add	3,328.82	
23 73 13 00-0022	EA	7,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan.....	22,095.80	4,500.78
		For Medium Capacity Filter Box And Throwaway Filters, Add	3,583.27	
		For Hot Water Heating Coil, Copper Fins, Add	6,126.05	
		For Chilled Water Cooling Coil, Copper Fins, Add	9,259.23	
		For Electric Heating Coil, Add	7,692.64	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	6,909.35	
		For Manual Roll Filter, Add	9,259.23	
		For Variable Air Volume, Add	2,193.22	
		For Hot Water Heating Coil, Aluminum Fins, Add	4,559.46	
		For Steam Heating Coil, Aluminum Fins, Add	6,126.05	
		For Flat Filter Box And Throwaway Filters, Add	1,888.08	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	5,021.26	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	7,692.64	
		For Automatic Roll Filter, Add	10,042.53	
		For Combination Filter Mixing Box And Throwaway Filters, Add	5,342.76	
		For 2 Coils, Independent Circuits, Add	2,522.90	
		For Direct Expansion Cooling Coil, Copper Fins, Add	8,475.94	
		For Economizer, Panel, Controls And Damper(s), Add	3,511.96	
23 73 13 00-0023	EA	7,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan.....	23,200.58	4,822.32
		For Medium Capacity Filter Box And Throwaway Filters, Add	3,742.27	
		For Hot Water Heating Coil, Copper Fins, Add	6,393.58	
		For Chilled Water Cooling Coil, Copper Fins, Add	9,652.40	
		For Electric Heating Coil, Add	8,022.99	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	7,208.29	
		For Economizer, Panel, Controls And Damper(s), Add	3,251.94	
		For Manual Roll Filter, Add	9,652.40	
		For Variable Air Volume, Add	2,281.17	
		For Hot Water Heating Coil, Aluminum Fins, Add	4,764.17	
		For Steam Heating Coil, Aluminum Fins, Add	6,393.58	
		For Flat Filter Box And Throwaway Filters, Add	1,974.73	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	5,233.55	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	8,022.99	
		For Automatic Roll Filter, Add	10,467.11	
		For Combination Filter Mixing Box And Throwaway Filters, Add	5,578.88	
		For 2 Coils, Independent Circuits, Add	2,645.94	
		For Direct Expansion Cooling Coil, Copper Fins, Add	8,837.70	
23 73 13 00-0024	EA	8,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan.....	24,343.93	5,193.05
		For Medium Capacity Filter Box And Throwaway Filters, Add	3,903.97	
		For Hot Water Heating Coil, Copper Fins, Add	6,664.97	
		For Chilled Water Cooling Coil, Copper Fins, Add	10,049.43	
		For Electric Heating Coil, Add	8,357.20	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	7,511.08	
		For Economizer, Panel, Controls And Damper(s), Add	3,406.49	
		For Manual Roll Filter, Add	10,049.43	
		For Variable Air Volume, Add	2,369.12	
		For Hot Water Heating Coil, Aluminum Fins, Add	4,972.74	
		For Steam Heating Coil, Aluminum Fins, Add	6,664.97	
		For Flat Filter Box And Throwaway Filters, Add	2,063.31	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	5,447.77	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	8,357.20	
		For Automatic Roll Filter, Add	10,895.54	
		For Combination Filter Mixing Box And Throwaway Filters, Add	5,818.85	
		For 2 Coils, Independent Circuits, Add	2,772.84	
		For Direct Expansion Cooling Coil, Copper Fins, Add	9,203.31	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 73 13 00-0025	EA	9,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	25,648.86	5,625.70
		For Medium Capacity Filter Box And Throwaway Filters, Add	4,087.20	
		For Hot Water Heating Coil, Copper Fins, Add	6,972.15	
		For Chilled Water Cooling Coil, Copper Fins, Add	10,497.95	
		For Electric Heating Coil, Add	8,735.05	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	7,853.60	
		For Economizer, Panel, Controls And Damper(s), Add	3,585.95	
		For Manual Roll Filter, Add	10,497.95	
		For Variable Air Volume, Add	2,468.07	
		For Hot Water Heating Coil, Aluminum Fins, Add	5,209.24	
		For Steam Heating Coil, Aluminum Fins, Add	6,972.15	
		For Flat Filter Box And Throwaway Filters, Add	2,163.90	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	5,689.70	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	8,735.05	
		For Automatic Roll Filter, Add	11,379.41	
		For Combination Filter Mixing Box And Throwaway Filters, Add	6,090.69	
		For 2 Coils, Independent Circuits, Add	2,917.47	
		For Direct Expansion Cooling Coil, Copper Fins, Add	9,616.50	
23 73 13 00-0026	EA	10,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	26,918.39	6,006.41
		For Medium Capacity Filter Box And Throwaway Filters, Add	4,267.94	
		For Hot Water Heating Coil, Copper Fins, Add	7,275.78	
		For Chilled Water Cooling Coil, Copper Fins, Add	10,942.94	
		For Electric Heating Coil, Add	9,109.36	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	8,192.57	
		For Economizer, Panel, Controls And Damper(s), Add	3,754.79	
		For Manual Roll Filter, Add	10,942.94	
		For Variable Air Volume, Add	2,567.01	
		For Hot Water Heating Coil, Aluminum Fins, Add	5,442.20	
		For Steam Heating Coil, Aluminum Fins, Add	7,275.78	
		For Flat Filter Box And Throwaway Filters, Add	2,262.71	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	5,929.86	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	9,109.36	
		For Automatic Roll Filter, Add	11,859.72	
		For Combination Filter Mixing Box And Throwaway Filters, Add	6,358.99	
		For 2 Coils, Independent Circuits, Add	3,058.55	
		For Direct Expansion Cooling Coil, Copper Fins, Add	10,026.15	
23 73 13 00-0027	EA	11,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	26,969.11	5,815.76
		For Medium Capacity Filter Box And Throwaway Filters, Add	4,317.42	
		For Hot Water Heating Coil, Copper Fins, Add	7,369.19	
		For Chilled Water Cooling Coil, Copper Fins, Add	11,107.02	
		For Electric Heating Coil, Add	9,238.11	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	8,303.65	
		For Economizer, Panel, Controls And Damper(s), Add	3,663.99	
		For Manual Roll Filter, Add	11,107.02	
		For Variable Air Volume, Add	2,616.48	
		For Hot Water Heating Coil, Aluminum Fins, Add	5,500.28	
		For Steam Heating Coil, Aluminum Fins, Add	7,369.19	
		For Flat Filter Box And Throwaway Filters, Add	2,282.91	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	6,020.74	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	9,238.11	
		For Automatic Roll Filter, Add	12,041.48	
		For Combination Filter Mixing Box And Throwaway Filters, Add	6,434.74	
		For 2 Coils, Independent Circuits, Add	3,070.69	
		For Direct Expansion Cooling Coil, Copper Fins, Add	10,172.56	
23 73 13 00-0028	EA	12,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	28,258.37	6,452.43
		For Medium Capacity Filter Box And Throwaway Filters, Add	4,453.61	
		For Hot Water Heating Coil, Copper Fins, Add	7,586.46	
		For Chilled Water Cooling Coil, Copper Fins, Add	11,394.96	
		For Electric Heating Coil, Add	9,490.71	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	8,538.59	
		For Economizer, Panel, Controls And Damper(s), Add	3,944.76	
		For Manual Roll Filter, Add	11,394.96	
		For Variable Air Volume, Add	2,665.95	
		For Hot Water Heating Coil, Aluminum Fins, Add	5,682.21	
		For Steam Heating Coil, Aluminum Fins, Add	7,586.46	
		For Flat Filter Box And Throwaway Filters, Add	2,365.04	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	6,173.54	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	9,490.71	
		For Automatic Roll Filter, Add	12,347.09	
		For Combination Filter Mixing Box And Throwaway Filters, Add	6,634.34	
		For 2 Coils, Independent Circuits, Add	3,206.69	
		For Direct Expansion Cooling Coil, Copper Fins, Add	10,442.84	
23 73 13 00-0029	EA	13,700 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	29,726.66	6,711.60
		For Medium Capacity Filter Box And Throwaway Filters, Add	4,704.41	
		For Hot Water Heating Coil, Copper Fins, Add	8,017.95	
		For Chilled Water Cooling Coil, Copper Fins, Add	12,054.17	
		For Electric Heating Coil, Add	10,036.06	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	9,027.00	
		For Manual Roll Filter, Add	12,054.17	
		For Variable Air Volume, Add	2,825.36	
		For Hot Water Heating Coil, Aluminum Fins, Add	5,999.83	
		For Steam Heating Coil, Aluminum Fins, Add	8,017.95	
		For Flat Filter Box And Throwaway Filters, Add	2,495.39	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	6,531.61	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	10,036.06	
		For Automatic Roll Filter, Add	13,063.23	
		For Economizer, Panel, Controls And Damper(s), Add	3,309.11	
		For Combination Filter Mixing Box And Throwaway Filters, Add	7,008.89	
		For 2 Coils, Independent Circuits, Add	3,376.29	
		For Direct Expansion Cooling Coil, Copper Fins, Add	11,045.11	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0030	EA	15,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan.....	31,286.65	6,971.52
		For Medium Capacity Filter Box And Throwaway Filters, Add	4,961.63	
		For Hot Water Heating Coil, Copper Fins, Add	8,458.60	
		For Chilled Water Cooling Coil, Copper Fins, Add	12,722.55	
		For Electric Heating Coil, Add	10,590.58	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	9,524.59	
		For Manual Roll Filter, Add	12,722.55	
		For Variable Air Volume, Add	2,984.77	
		For Hot Water Heating Coil, Aluminum Fins, Add	6,326.63	
		For Steam Heating Coil, Aluminum Fins, Add	8,458.60	
		For Flat Filter Box And Throwaway Filters, Add	2,630.32	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	6,894.27	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	10,590.58	
		For Automatic Roll Filter, Add	13,788.54	
		For Economizer, Panel, Controls And Damper(s), Add	3,393.38	
		For Combination Filter Mixing Box And Throwaway Filters, Add	7,392.62	
		For 2 Coils, Independent Circuits, Add	3,555.06	
		For Direct Expansion Cooling Coil, Copper Fins, Add	11,656.57	
23 73 13 00-0031	EA	16,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan.....	32,918.57	7,239.66
		For Medium Capacity Filter Box And Throwaway Filters, Add	5,244.30	
		For Hot Water Heating Coil, Copper Fins, Add	8,945.71	
		For Chilled Water Cooling Coil, Copper Fins, Add	13,468.80	
		For Electric Heating Coil, Add	11,207.25	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	10,076.48	
		For Manual Roll Filter, Add	13,468.80	
		For Variable Air Volume, Add	3,166.16	
		For Hot Water Heating Coil, Aluminum Fins, Add	6,684.17	
		For Steam Heating Coil, Aluminum Fins, Add	8,945.71	
		For Flat Filter Box And Throwaway Filters, Add	2,776.70	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	7,299.78	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	11,207.25	
		For Automatic Roll Filter, Add	14,599.57	
		For Economizer, Panel, Controls And Damper(s), Add	3,460.63	
		For Combination Filter Mixing Box And Throwaway Filters, Add	7,814.94	
		For 2 Coils, Independent Circuits, Add	3,744.17	
		For Direct Expansion Cooling Coil, Copper Fins, Add	12,338.03	
23 73 13 00-0032	EA	17,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan.....	34,632.40	7,508.08
		For Medium Capacity Filter Box And Throwaway Filters, Add	5,532.71	
		For Hot Water Heating Coil, Copper Fins, Add	9,441.02	
		For Chilled Water Cooling Coil, Copper Fins, Add	14,223.24	
		For Electric Heating Coil, Add	11,832.13	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	10,636.57	
		For Manual Roll Filter, Add	14,223.24	
		For Variable Air Volume, Add	3,347.55	
		For Hot Water Heating Coil, Aluminum Fins, Add	7,049.91	
		For Steam Heating Coil, Aluminum Fins, Add	9,441.02	
		For Flat Filter Box And Throwaway Filters, Add	2,927.18	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	7,709.40	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	11,832.13	
		For Automatic Roll Filter, Add	15,418.79	
		For Economizer, Panel, Controls And Damper(s), Add	3,544.26	
		For Combination Filter Mixing Box And Throwaway Filters, Add	8,245.46	
		For 2 Coils, Independent Circuits, Add	3,941.46	
		For Direct Expansion Cooling Coil, Copper Fins, Add	13,027.68	
23 73 13 00-0033	EA	20,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan.....	38,518.64	8,049.20
		For Chilled Water Cooling Coil, Aluminum Fins, Add	11,955.72	
		For Direct Expansion Cooling Coil, Copper Fins, Add	13,306.37	
		For Chilled Water Cooling Coil, Copper Fins, Add	14,657.01	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	7,328.50	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	10,605.08	
		For Hot Water Heating Coil, Copper Fins, Add	10,605.08	
		For Variable Air Volume, Add	3,781.80	
		For Combination Filter Mixing Box And Throwaway Filters, Add	10,605.08	
		For Hot Water Heating Coil, Aluminum Fins, Add	6,553.15	
		For Manual Roll Filter, Add	15,197.27	
		For Steam Heating Coil, Aluminum Fins, Add	9,254.44	
		For Flat Filter Box And Throwaway Filters, Add	3,276.58	
		For Automatic Roll Filter, Add	16,007.65	
		For Medium Capacity Filter Box And Throwaway Filters, Add	6,207.98	
		For Electric Heating Coil, Add	7,093.41	
		For Economizer, Panel, Controls And Damper(s), Add	3,748.51	
		For 2 Coils, Independent Circuits, Add	4,392.12	
23 73 13 00-0034	EA	22,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan.....	42,669.94	8,674.85
		For Chilled Water Cooling Coil, Aluminum Fins, Add	13,336.72	
		For Direct Expansion Cooling Coil, Copper Fins, Add	14,848.34	
		For Chilled Water Cooling Coil, Copper Fins, Add	16,359.96	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	8,179.98	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	11,825.10	
		For Hot Water Heating Coil, Copper Fins, Add	11,825.10	
		For Variable Air Volume, Add	4,232.54	
		For Combination Filter Mixing Box And Throwaway Filters, Add	11,825.10	
		For Hot Water Heating Coil, Aluminum Fins, Add	7,290.24	
		For Manual Roll Filter, Add	16,964.61	
		For Steam Heating Coil, Aluminum Fins, Add	10,313.48	
		For Flat Filter Box And Throwaway Filters, Add	3,645.12	
		For Automatic Roll Filter, Add	17,871.58	
		For Medium Capacity Filter Box And Throwaway Filters, Add	6,917.11	
		For Electric Heating Coil, Add	7,894.88	
		For Economizer, Panel, Controls And Damper(s), Add	3,911.57	
		For 2 Coils, Independent Circuits, Add	4,871.64	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 73 13 00-0035	EA	25,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	47,172.25	9,294.92
		For Chilled Water Cooling Coil, Aluminum Fins, Add	14,882.39	
		For Direct Expansion Cooling Coil, Copper Fins, Add	16,576.58	
		For Chilled Water Cooling Coil, Copper Fins, Add	18,270.77	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	9,135.39	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	13,188.19	
		For Hot Water Heating Coil, Copper Fins, Add	13,188.19	
		For Variable Air Volume, Add	4,743.74	
		For Combination Filter Mixing Box And Throwaway Filters, Add	13,188.19	
		For Hot Water Heating Coil, Aluminum Fins, Add	8,105.61	
		For Manual Roll Filter, Add	18,948.45	
		For Steam Heating Coil, Aluminum Fins, Add	11,494.00	
		For Flat Filter Box And Throwaway Filters, Add	4,052.81	
		For Automatic Roll Filter, Add	19,964.97	
		For Medium Capacity Filter Box And Throwaway Filters, Add	7,706.96	
		For Electric Heating Coil, Add	8,783.29	
		For Economizer, Panel, Controls And Damper(s), Add	4,060.47	
		For 2 Coils, Independent Circuits, Add	5,394.90	
23 73 13 00-0036	EA	27,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	57,641.28	10,010.39
		For Chilled Water Cooling Coil, Aluminum Fins, Add	18,767.99	
		For Direct Expansion Cooling Coil, Copper Fins, Add	20,935.31	
		For Chilled Water Cooling Coil, Copper Fins, Add	23,102.62	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	11,551.31	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	16,600.68	
		For Hot Water Heating Coil, Copper Fins, Add	16,600.68	
		For Variable Air Volume, Add	6,068.47	
		For Combination Filter Mixing Box And Throwaway Filters, Add	16,600.68	
		For Hot Water Heating Coil, Aluminum Fins, Add	10,098.75	
		For Manual Roll Filter, Add	23,969.54	
		For Steam Heating Coil, Aluminum Fins, Add	14,433.37	
		For Flat Filter Box And Throwaway Filters, Add	5,049.38	
		For Automatic Roll Filter, Add	25,269.93	
		For Medium Capacity Filter Box And Throwaway Filters, Add	9,669.90	
		For Electric Heating Coil, Add	10,965.67	
		For Economizer, Panel, Controls And Damper(s), Add	4,236.64	
		For 2 Coils, Independent Circuits, Add	6,631.05	
23 73 13 00-0037	EA	30,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	64,252.53	10,684.61
		For Chilled Water Cooling Coil, Aluminum Fins, Add	21,125.28	
		For Direct Expansion Cooling Coil, Copper Fins, Add	23,575.28	
		For Chilled Water Cooling Coil, Copper Fins, Add	26,025.29	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	13,012.64	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	18,675.27	
		For Hot Water Heating Coil, Copper Fins, Add	18,675.27	
		For Variable Air Volume, Add	6,860.01	
		For Combination Filter Mixing Box And Throwaway Filters, Add	18,675.27	
		For Hot Water Heating Coil, Aluminum Fins, Add	11,325.26	
		For Manual Roll Filter, Add	27,005.29	
		For Steam Heating Coil, Aluminum Fins, Add	16,225.27	
		For Flat Filter Box And Throwaway Filters, Add	5,662.63	
		For Automatic Roll Filter, Add	28,475.29	
		For Medium Capacity Filter Box And Throwaway Filters, Add	10,867.69	
		For Electric Heating Coil, Add	12,305.26	
		For Economizer, Panel, Controls And Damper(s), Add	4,052.87	
		For 2 Coils, Independent Circuits, Add	7,405.25	
23 73 13 00-0038	EA	32,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	70,336.56	11,505.75
		For Chilled Water Cooling Coil, Aluminum Fins, Add	23,206.04	
		For Direct Expansion Cooling Coil, Copper Fins, Add	25,901.44	
		For Chilled Water Cooling Coil, Copper Fins, Add	28,596.83	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	14,298.42	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	20,510.64	
		For Hot Water Heating Coil, Copper Fins, Add	20,510.64	
		For Variable Air Volume, Add	7,547.11	
		For Combination Filter Mixing Box And Throwaway Filters, Add	20,510.64	
		For Hot Water Heating Coil, Aluminum Fins, Add	12,424.45	
		For Manual Roll Filter, Add	29,674.99	
		For Steam Heating Coil, Aluminum Fins, Add	17,815.24	
		For Flat Filter Box And Throwaway Filters, Add	6,212.23	
		For Automatic Roll Filter, Add	31,292.23	
		For Medium Capacity Filter Box And Throwaway Filters, Add	11,931.59	
		For Electric Heating Coil, Add	13,502.61	
		For Economizer, Panel, Controls And Damper(s), Add	4,229.29	
		For 2 Coils, Independent Circuits, Add	8,111.81	
23 73 13 00-0039	EA	35,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	77,136.52	10,123.36
		For Chilled Water Cooling Coil, Aluminum Fins, Add	25,499.74	
		For Direct Expansion Cooling Coil, Copper Fins, Add	28,464.09	
		For Chilled Water Cooling Coil, Copper Fins, Add	31,428.44	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	15,714.22	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	22,535.39	
		For Hot Water Heating Coil, Copper Fins, Add	22,535.39	
		For Variable Air Volume, Add	8,300.17	
		For Combination Filter Mixing Box And Throwaway Filters, Add	22,535.39	
		For Hot Water Heating Coil, Aluminum Fins, Add	13,642.35	
		For Manual Roll Filter, Add	32,614.18	
		For Steam Heating Coil, Aluminum Fins, Add	19,571.04	
		For Flat Filter Box And Throwaway Filters, Add	6,821.17	
		For Automatic Roll Filter, Add	34,392.78	
		For Medium Capacity Filter Box And Throwaway Filters, Add	13,106.86	
		For Electric Heating Coil, Add	14,828.09	
		For Economizer, Panel, Controls And Damper(s), Add	4,442.43	
		For 2 Coils, Independent Circuits, Add	8,899.39	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0040	EA	37,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan.....	82,961.33	13,252.81
		For Chilled Water Cooling Coil, Aluminum Fins, Add	27,507.46	
		For Direct Expansion Cooling Coil, Copper Fins, Add	30,709.35	
		For Chilled Water Cooling Coil, Copper Fins, Add	33,911.24	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	16,955.62	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	24,305.57	
		For Hot Water Heating Coil, Copper Fins, Add	24,305.57	
		For Variable Air Volume, Add	8,965.29	
		For Combination Filter Mixing Box And Throwaway Filters, Add	24,305.57	
		For Hot Water Heating Coil, Aluminum Fins, Add	14,699.91	
		For Manual Roll Filter, Add	35,191.99	
		For Steam Heating Coil, Aluminum Fins, Add	21,103.69	
		For Flat Filter Box And Throwaway Filters, Add	7,349.95	
		For Automatic Roll Filter, Add	37,113.13	
		For Medium Capacity Filter Box And Throwaway Filters, Add	14,132.20	
		For Electric Heating Coil, Add	15,980.66	
		For Economizer, Panel, Controls And Damper(s), Add	4,603.54	
		For 2 Coils, Independent Circuits, Add	9,576.89	
23 73 13 00-0041	EA	40,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan.....	89,463.00	14,177.27
		For Chilled Water Cooling Coil, Aluminum Fins, Add	29,688.88	
		For Direct Expansion Cooling Coil, Copper Fins, Add	33,145.98	
		For Chilled Water Cooling Coil, Copper Fins, Add	36,603.08	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	18,301.54	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	26,231.79	
		For Hot Water Heating Coil, Copper Fins, Add	26,231.79	
		For Variable Air Volume, Add	9,679.87	
		For Combination Filter Mixing Box And Throwaway Filters, Add	26,231.79	
		For Hot Water Heating Coil, Aluminum Fins, Add	15,860.49	
		For Manual Roll Filter, Add	37,985.91	
		For Steam Heating Coil, Aluminum Fins, Add	22,774.69	
		For Flat Filter Box And Throwaway Filters, Add	7,930.25	
		For Automatic Roll Filter, Add	40,060.17	
		For Medium Capacity Filter Box And Throwaway Filters, Add	15,250.86	
		For Electric Heating Coil, Add	17,243.33	
		For Economizer, Panel, Controls And Damper(s), Add	4,370.13	
		For 2 Coils, Independent Circuits, Add	10,329.14	
23 73 13 00-0042	EA	45,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan.....	96,546.67	15,307.50
		For Chilled Water Cooling Coil, Aluminum Fins, Add	32,058.07	
		For Direct Expansion Cooling Coil, Copper Fins, Add	35,791.97	
		For Chilled Water Cooling Coil, Copper Fins, Add	39,525.87	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	19,762.94	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	28,324.17	
		For Hot Water Heating Coil, Copper Fins, Add	28,324.17	
		For Variable Air Volume, Add	10,454.92	
		For Combination Filter Mixing Box And Throwaway Filters, Add	28,324.17	
		For Hot Water Heating Coil, Aluminum Fins, Add	17,122.47	
		For Manual Roll Filter, Add	41,019.43	
		For Steam Heating Coil, Aluminum Fins, Add	24,590.27	
		For Flat Filter Box And Throwaway Filters, Add	8,561.23	
		For Automatic Roll Filter, Add	43,259.77	
		For Medium Capacity Filter Box And Throwaway Filters, Add	16,466.41	
		For Electric Heating Coil, Add	18,616.03	
		For Economizer, Panel, Controls And Damper(s), Add	4,563.58	
		For 2 Coils, Independent Circuits, Add	11,148.23	
23 73 13 00-0043	EA	47,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan.....	100,592.77	16,026.49
		For Chilled Water Cooling Coil, Aluminum Fins, Add	33,381.43	
		For Direct Expansion Cooling Coil, Copper Fins, Add	37,268.46	
		For Chilled Water Cooling Coil, Copper Fins, Add	41,155.48	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	20,577.74	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	29,494.40	
		For Hot Water Heating Coil, Copper Fins, Add	29,494.40	
		For Variable Air Volume, Add	10,883.67	
		For Combination Filter Mixing Box And Throwaway Filters, Add	29,494.40	
		For Hot Water Heating Coil, Aluminum Fins, Add	17,833.33	
		For Manual Roll Filter, Add	42,710.29	
		For Steam Heating Coil, Aluminum Fins, Add	25,607.38	
		For Flat Filter Box And Throwaway Filters, Add	8,916.66	
		For Automatic Roll Filter, Add	45,042.51	
		For Medium Capacity Filter Box And Throwaway Filters, Add	17,147.76	
		For Electric Heating Coil, Add	19,388.14	
		For Economizer, Panel, Controls And Damper(s), Add	4,686.53	
		For 2 Coils, Independent Circuits, Add	11,614.09	
23 73 13 00-0044	EA	50,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan.....	104,402.58	16,642.89
		For Chilled Water Cooling Coil, Aluminum Fins, Add	34,634.05	
		For Direct Expansion Cooling Coil, Copper Fins, Add	38,666.34	
		For Chilled Water Cooling Coil, Copper Fins, Add	42,698.64	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	21,349.32	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	30,601.75	
		For Hot Water Heating Coil, Copper Fins, Add	30,601.75	
		For Variable Air Volume, Add	11,290.43	
		For Combination Filter Mixing Box And Throwaway Filters, Add	30,601.75	
		For Hot Water Heating Coil, Aluminum Fins, Add	18,504.85	
		For Manual Roll Filter, Add	44,311.56	
		For Steam Heating Coil, Aluminum Fins, Add	26,569.45	
		For Flat Filter Box And Throwaway Filters, Add	9,252.43	
		For Automatic Roll Filter, Add	46,730.94	
		For Medium Capacity Filter Box And Throwaway Filters, Add	17,792.16	
		For Electric Heating Coil, Add	20,117.77	
		For Economizer, Panel, Controls And Damper(s), Add	4,799.58	
		For 2 Coils, Independent Circuits, Add	12,053.18	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 73 13 00-0045	EA	55,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	112,525.59	17,772.96
		For Chilled Water Cooling Coil, Aluminum Fins, Add	37,389.86	
		For Direct Expansion Cooling Coil, Copper Fins, Add	41,746.08	
		For Chilled Water Cooling Coil, Copper Fins, Add	46,102.30	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	23,051.15	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	33,033.64	
		For Hot Water Heating Coil, Copper Fins, Add	33,033.64	
		For Variable Air Volume, Add	12,197.41	
		For Combination Filter Mixing Box And Throwaway Filters, Add	33,033.64	
		For Hot Water Heating Coil, Aluminum Fins, Add	19,964.99	
		For Manual Roll Filter, Add	47,844.78	
		For Steam Heating Coil, Aluminum Fins, Add	28,677.43	
		For Flat Filter Box And Throwaway Filters, Add	9,982.50	
		For Automatic Roll Filter, Add	50,458.51	
		For Medium Capacity Filter Box And Throwaway Filters, Add	19,202.96	
		For Electric Heating Coil, Add	21,707.48	
		For Economizer, Panel, Controls And Damper(s), Add	5,005.16	
		For 2 Coils, Independent Circuits, Add	12,995.05	
23 73 13 00-0046	EA	60,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	122,979.69	19,005.77
		For Chilled Water Cooling Coil, Aluminum Fins, Add	41,038.40	
		For Economizer, Panel, Controls And Damper(s), Add	4,617.83	
		For Direct Expansion Cooling Coil, Copper Fins, Add	45,828.47	
		For Chilled Water Cooling Coil, Copper Fins, Add	50,618.55	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	25,309.27	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	36,248.33	
		For Hot Water Heating Coil, Copper Fins, Add	36,248.33	
		For Variable Air Volume, Add	13,412.20	
		For Combination Filter Mixing Box And Throwaway Filters, Add	36,248.33	
		For Hot Water Heating Coil, Aluminum Fins, Add	21,878.11	
		For Manual Roll Filter, Add	52,534.57	
		For Steam Heating Coil, Aluminum Fins, Add	31,458.26	
		For Flat Filter Box And Throwaway Filters, Add	10,939.06	
		For Automatic Roll Filter, Add	55,408.62	
		For Medium Capacity Filter Box And Throwaway Filters, Add	21,062.77	
		For Electric Heating Coil, Add	23,794.14	
		For 2 Coils, Independent Circuits, Add	14,214.00	
23 73 13 00-0047	EA	65,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	134,734.12	20,546.77
		For Chilled Water Cooling Coil, Aluminum Fins, Add	45,087.89	
		For Economizer, Panel, Controls And Damper(s), Add	4,835.25	
		For Direct Expansion Cooling Coil, Copper Fins, Add	50,356.97	
		For Chilled Water Cooling Coil, Copper Fins, Add	55,626.04	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	27,813.02	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	39,818.81	
		For Hot Water Heating Coil, Copper Fins, Add	39,818.81	
		For Variable Air Volume, Add	14,753.42	
		For Combination Filter Mixing Box And Throwaway Filters, Add	39,818.81	
		For Hot Water Heating Coil, Aluminum Fins, Add	24,011.57	
		For Manual Roll Filter, Add	57,733.68	
		For Steam Heating Coil, Aluminum Fins, Add	34,549.73	
		For Flat Filter Box And Throwaway Filters, Add	12,005.79	
		For Automatic Roll Filter, Add	60,895.12	
		For Medium Capacity Filter Box And Throwaway Filters, Add	23,130.99	
		For Electric Heating Coil, Add	26,119.20	
		For 2 Coils, Independent Circuits, Add	15,581.04	
23 73 13 00-0048	EA	70,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	147,848.18	22,293.25
		For Chilled Water Cooling Coil, Aluminum Fins, Add	49,567.81	
		For Economizer, Panel, Controls And Damper(s), Add	5,090.49	
		For Direct Expansion Cooling Coil, Copper Fins, Add	55,364.97	
		For Chilled Water Cooling Coil, Copper Fins, Add	61,162.14	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	30,581.07	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	43,770.64	
		For Hot Water Heating Coil, Copper Fins, Add	43,770.64	
		For Variable Air Volume, Add	16,232.06	
		For Combination Filter Mixing Box And Throwaway Filters, Add	43,770.64	
		For Hot Water Heating Coil, Aluminum Fins, Add	26,379.15	
		For Manual Roll Filter, Add	63,481.00	
		For Steam Heating Coil, Aluminum Fins, Add	37,973.48	
		For Flat Filter Box And Throwaway Filters, Add	13,189.57	
		For Automatic Roll Filter, Add	66,959.30	
		For Medium Capacity Filter Box And Throwaway Filters, Add	25,422.00	
		For Electric Heating Coil, Add	28,698.01	
		For 2 Coils, Independent Circuits, Add	17,103.68	

23 73 13 00-0049 Multi-Zone Units (23 73 13)

Note: Horizontal/vertical blow-thru fan, motor and cabinet.

23 73 13 00-0050	EA	1,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	8,922.86	1,848.92
		For Combination Filter Mixing Box And Throwaway Filters, Add	1,834.60	
		For Direct Expansion Cooling Coil, Copper Fins, Add	3,719.21	
		For Medium Capacity Filter Box And Throwaway Filters, Add	1,441.27	
		For Chilled Water Cooling Coil, Copper Fins, Add	3,719.21	
		For Economizer, Panel, Controls And Damper(s), Add	2,488.56	
		For Automatic Roll Filter, Add	3,719.21	
		For Hot Water Heating Coil, Aluminum Fins, Add	892.29	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,091.01	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	3,091.01	
		For Manual Roll Filter, Add	3,719.21	
		For Electric Heating Coil, Add	1,017.93	
		For 2 Coils, Independent Circuits, Add	1,017.93	
		For Flat Filter Box And Throwaway Filters, Add	760.25	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0051	EA	1,200 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	11,122.51	2,316.35
		For Combination Filter Mixing Box And Throwaway Filters, Add	2,284.25	
		For Direct Expansion Cooling Coil, Copper Fins, Add	4,628.24	
		For Medium Capacity Filter Box And Throwaway Filters, Add	1,794.31	
		For Chilled Water Cooling Coil, Copper Fins, Add	4,628.24	
		For Economizer, Panel, Controls And Damper(s), Add	2,956.44	
		For Automatic Roll Filter, Add	4,628.24	
		For Hot Water Heating Coil, Aluminum Fins, Add	1,112.25	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,846.91	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	3,846.91	
		For Manual Roll Filter, Add	4,628.24	
		For Electric Heating Coil, Add	1,268.52	
		For 2 Coils, Independent Circuits, Add	1,268.52	
		For Flat Filter Box And Throwaway Filters, Add	946.79	
23 73 13 00-0052	EA	1,600 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	13,651.42	2,465.32
		For Combination Filter Mixing Box And Throwaway Filters, Add	2,884.62	
		For Direct Expansion Cooling Coil, Copper Fins, Add	5,923.56	
		For Medium Capacity Filter Box And Throwaway Filters, Add	2,272.48	
		For Chilled Water Cooling Coil, Copper Fins, Add	5,923.56	
		For Economizer, Panel, Controls And Damper(s), Add	3,105.12	
		For Automatic Roll Filter, Add	5,923.56	
		For Hot Water Heating Coil, Aluminum Fins, Add	1,365.14	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,910.58	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	4,910.58	
		For Manual Roll Filter, Add	5,923.56	
		For Electric Heating Coil, Add	1,567.74	
		For 2 Coils, Independent Circuits, Add	1,567.74	
		For Flat Filter Box And Throwaway Filters, Add	1,189.06	
23 73 13 00-0053	EA	2,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	14,214.33	2,639.97
		For Combination Filter Mixing Box And Throwaway Filters, Add	2,988.02	
		For Direct Expansion Cooling Coil, Copper Fins, Add	6,121.20	
		For Medium Capacity Filter Box And Throwaway Filters, Add	2,352.71	
		For Chilled Water Cooling Coil, Copper Fins, Add	6,121.20	
		For Economizer, Panel, Controls And Damper(s), Add	3,279.28	
		For Automatic Roll Filter, Add	6,121.20	
		For Hot Water Heating Coil, Aluminum Fins, Add	1,421.43	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	5,076.81	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	5,076.81	
		For Manual Roll Filter, Add	6,121.20	
		For Electric Heating Coil, Add	1,630.31	
		For 2 Coils, Independent Circuits, Add	1,630.31	
		For Flat Filter Box And Throwaway Filters, Add	1,232.91	
23 73 13 00-0054	EA	2,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	16,567.91	2,830.02
		For Combination Filter Mixing Box And Throwaway Filters, Add	3,535.52	
		For Direct Expansion Cooling Coil, Copper Fins, Add	7,292.98	
		For Medium Capacity Filter Box And Throwaway Filters, Add	2,787.99	
		For Chilled Water Cooling Coil, Copper Fins, Add	7,292.98	
		For Economizer, Panel, Controls And Damper(s), Add	3,470.14	
		For Automatic Roll Filter, Add	7,292.98	
		For Hot Water Heating Coil, Aluminum Fins, Add	1,656.79	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	6,040.49	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	6,040.49	
		For Manual Roll Filter, Add	7,292.98	
		For Electric Heating Coil, Add	1,907.29	
		For 2 Coils, Independent Circuits, Add	1,907.29	
		For Flat Filter Box And Throwaway Filters, Add	1,454.64	
23 73 13 00-0055	EA	3,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	17,482.35	3,030.65
		For Combination Filter Mixing Box And Throwaway Filters, Add	3,721.20	
		For Direct Expansion Cooling Coil, Copper Fins, Add	7,667.12	
		For Medium Capacity Filter Box And Throwaway Filters, Add	2,933.66	
		For Chilled Water Cooling Coil, Copper Fins, Add	7,667.12	
		For Economizer, Panel, Controls And Damper(s), Add	3,670.50	
		For Automatic Roll Filter, Add	7,667.12	
		For Hot Water Heating Coil, Aluminum Fins, Add	1,748.24	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	6,351.81	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	6,351.81	
		For Manual Roll Filter, Add	7,667.12	
		For Electric Heating Coil, Add	2,011.30	
		For 2 Coils, Independent Circuits, Add	2,011.30	
		For Flat Filter Box And Throwaway Filters, Add	1,531.77	
23 73 13 00-0056	EA	3,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	18,442.99	3,235.97
		For Combination Filter Mixing Box And Throwaway Filters, Add	3,917.38	
		For Direct Expansion Cooling Coil, Copper Fins, Add	8,063.54	
		For Medium Capacity Filter Box And Throwaway Filters, Add	3,087.68	
		For Chilled Water Cooling Coil, Copper Fins, Add	8,063.54	
		For Economizer, Panel, Controls And Damper(s), Add	3,875.72	
		For Automatic Roll Filter, Add	8,063.54	
		For Hot Water Heating Coil, Aluminum Fins, Add	1,844.30	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	6,681.49	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	6,681.49	
		For Manual Roll Filter, Add	8,063.54	
		For Electric Heating Coil, Add	2,120.71	
		For 2 Coils, Independent Circuits, Add	2,120.71	
		For Flat Filter Box And Throwaway Filters, Add	1,613.18	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 73 13 00-0057	EA	4,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	20,537.21	3,472.41
		For Combination Filter Mixing Box And Throwaway Filters, Add	4,391.83	
		For Direct Expansion Cooling Coil, Copper Fins, Add	9,068.04	
		For Medium Capacity Filter Box And Throwaway Filters, Add	3,463.96	
		For Chilled Water Cooling Coil, Copper Fins, Add	9,068.04	
		For Automatic Roll Filter, Add	9,068.04	
		For Hot Water Heating Coil, Aluminum Fins, Add	2,053.72	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	7,509.30	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	7,509.30	
		For Manual Roll Filter, Add	9,068.04	
		For Electric Heating Coil, Add	2,365.47	
		For 2 Coils, Independent Circuits, Add	2,365.47	
		For Flat Filter Box And Throwaway Filters, Add	1,806.23	
		For Economizer, Panel, Controls And Damper(s), Add	3,472.41	
23 73 13 00-0058	EA	4,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	22,431.30	3,718.67
		For Combination Filter Mixing Box And Throwaway Filters, Add	4,810.92	
		For Direct Expansion Cooling Coil, Copper Fins, Add	9,946.51	
		For Medium Capacity Filter Box And Throwaway Filters, Add	3,795.61	
		For Chilled Water Cooling Coil, Copper Fins, Add	9,946.51	
		For Automatic Roll Filter, Add	9,946.51	
		For Hot Water Heating Coil, Aluminum Fins, Add	2,243.13	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	8,234.65	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	8,234.65	
		For Manual Roll Filter, Add	9,946.51	
		For Electric Heating Coil, Add	2,585.50	
		For 2 Coils, Independent Circuits, Add	2,585.50	
		For Flat Filter Box And Throwaway Filters, Add	1,977.50	
		For Economizer, Panel, Controls And Damper(s), Add	3,671.97	
23 73 13 00-0059	EA	5,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	23,721.98	3,971.69
		For Combination Filter Mixing Box And Throwaway Filters, Add	5,081.34	
		For Direct Expansion Cooling Coil, Copper Fins, Add	10,499.62	
		For Medium Capacity Filter Box And Throwaway Filters, Add	4,008.46	
		For Chilled Water Cooling Coil, Copper Fins, Add	10,499.62	
		For Automatic Roll Filter, Add	10,499.62	
		For Hot Water Heating Coil, Aluminum Fins, Add	2,372.20	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	8,693.52	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	8,693.52	
		For Manual Roll Filter, Add	10,499.62	
		For Electric Heating Coil, Add	2,733.42	
		For 2 Coils, Independent Circuits, Add	2,733.42	
		For Flat Filter Box And Throwaway Filters, Add	2,089.15	
		For Economizer, Panel, Controls And Damper(s), Add	3,863.58	
23 73 13 00-0060	EA	5,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	26,127.91	4,243.20
		For Combination Filter Mixing Box And Throwaway Filters, Add	5,622.29	
		For Direct Expansion Cooling Coil, Copper Fins, Add	11,641.29	
		For Medium Capacity Filter Box And Throwaway Filters, Add	4,437.19	
		For Chilled Water Cooling Coil, Copper Fins, Add	11,641.29	
		For Automatic Roll Filter, Add	11,641.29	
		For Hot Water Heating Coil, Aluminum Fins, Add	2,612.79	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	9,634.96	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	9,634.96	
		For Manual Roll Filter, Add	11,641.29	
		For Electric Heating Coil, Add	3,014.06	
		For 2 Coils, Independent Circuits, Add	3,014.06	
		For Flat Filter Box And Throwaway Filters, Add	2,309.56	
		For Economizer, Panel, Controls And Damper(s), Add	4,085.52	
23 73 13 00-0061	EA	6,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	27,806.50	4,541.13
		For Combination Filter Mixing Box And Throwaway Filters, Add	5,978.61	
		For Direct Expansion Cooling Coil, Copper Fins, Add	12,374.54	
		For Medium Capacity Filter Box And Throwaway Filters, Add	4,718.02	
		For Chilled Water Cooling Coil, Copper Fins, Add	12,374.54	
		For Automatic Roll Filter, Add	12,374.54	
		For Hot Water Heating Coil, Aluminum Fins, Add	2,780.65	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	10,242.56	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	10,242.56	
		For Manual Roll Filter, Add	12,374.54	
		For Electric Heating Coil, Add	3,207.05	
		For 2 Coils, Independent Circuits, Add	3,207.05	
		For Flat Filter Box And Throwaway Filters, Add	2,456.31	
		For Economizer, Panel, Controls And Damper(s), Add	4,317.71	
23 73 13 00-0062	EA	6,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	30,478.92	4,931.22
		For Combination Filter Mixing Box And Throwaway Filters, Add	6,563.88	
		For Direct Expansion Cooling Coil, Copper Fins, Add	13,595.87	
		For Medium Capacity Filter Box And Throwaway Filters, Add	5,180.72	
		For Chilled Water Cooling Coil, Copper Fins, Add	13,595.87	
		For Automatic Roll Filter, Add	13,595.87	
		For Hot Water Heating Coil, Aluminum Fins, Add	3,047.89	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	11,251.87	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	11,251.87	
		For Manual Roll Filter, Add	13,595.87	
		For Electric Heating Coil, Add	3,516.69	
		For 2 Coils, Independent Circuits, Add	3,516.69	
		For Flat Filter Box And Throwaway Filters, Add	2,695.94	
		For Economizer, Panel, Controls And Damper(s), Add	4,621.44	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0063	EA	7,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	32,752.14	5,311.49
		For Combination Filter Mixing Box And Throwaway Filters, Add	7,050.34	
		For Direct Expansion Cooling Coil, Copper Fins, Add	14,600.59	
		For Medium Capacity Filter Box And Throwaway Filters, Add	5,564.43	
		For Chilled Water Cooling Coil, Copper Fins, Add	14,600.59	
		For Automatic Roll Filter, Add	14,600.59	
		For Hot Water Heating Coil, Aluminum Fins, Add	3,275.21	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	12,083.84	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	12,083.84	
		For Manual Roll Filter, Add	14,600.59	
		For Electric Heating Coil, Add	3,778.56	
		For 2 Coils, Independent Circuits, Add	3,778.56	
		For Flat Filter Box And Throwaway Filters, Add	2,895.98	
		For Economizer, Panel, Controls And Damper(s), Add	4,921.55	
23 73 13 00-0064	EA	7,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	34,415.20	5,742.83
		For Combination Filter Mixing Box And Throwaway Filters, Add	7,375.66	
		For Direct Expansion Cooling Coil, Copper Fins, Add	15,243.94	
		For Medium Capacity Filter Box And Throwaway Filters, Add	5,818.65	
		For Chilled Water Cooling Coil, Copper Fins, Add	15,243.94	
		For Automatic Roll Filter, Add	15,243.94	
		For Hot Water Heating Coil, Aluminum Fins, Add	3,441.52	
		For Economizer, Panel, Controls And Damper(s), Add	4,215.04	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	12,621.18	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	12,621.18	
		For Manual Roll Filter, Add	15,243.94	
		For Electric Heating Coil, Add	3,966.07	
		For 2 Coils, Independent Circuits, Add	3,966.07	
		For Flat Filter Box And Throwaway Filters, Add	3,032.14	
23 73 13 00-0065	EA	8,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	38,144.57	6,194.56
		For Combination Filter Mixing Box And Throwaway Filters, Add	8,207.97	
		For Direct Expansion Cooling Coil, Copper Fins, Add	16,995.01	
		For Medium Capacity Filter Box And Throwaway Filters, Add	6,477.83	
		For Chilled Water Cooling Coil, Copper Fins, Add	16,995.01	
		For Automatic Roll Filter, Add	16,995.01	
		For Hot Water Heating Coil, Aluminum Fins, Add	3,814.46	
		For Economizer, Panel, Controls And Damper(s), Add	4,481.78	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	14,066.00	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	14,066.00	
		For Manual Roll Filter, Add	16,995.01	
		For Electric Heating Coil, Add	4,400.26	
		For 2 Coils, Independent Circuits, Add	4,400.26	
		For Flat Filter Box And Throwaway Filters, Add	3,371.73	
23 73 13 00-0066	EA	8,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	40,209.85	6,677.40
		For Combination Filter Mixing Box And Throwaway Filters, Add	8,620.63	
		For Direct Expansion Cooling Coil, Copper Fins, Add	17,819.92	
		For Medium Capacity Filter Box And Throwaway Filters, Add	6,801.05	
		For Chilled Water Cooling Coil, Copper Fins, Add	17,819.92	
		For Automatic Roll Filter, Add	17,819.92	
		For Hot Water Heating Coil, Aluminum Fins, Add	4,020.99	
		For Economizer, Panel, Controls And Damper(s), Add	4,758.22	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	14,753.49	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	14,753.49	
		For Manual Roll Filter, Add	17,819.92	
		For Electric Heating Coil, Add	4,634.27	
		For 2 Coils, Independent Circuits, Add	4,634.27	
		For Flat Filter Box And Throwaway Filters, Add	3,543.71	
23 73 13 00-0067	EA	9,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	42,494.70	7,232.47
		For Combination Filter Mixing Box And Throwaway Filters, Add	9,078.81	
		For Direct Expansion Cooling Coil, Copper Fins, Add	18,737.48	
		For Medium Capacity Filter Box And Throwaway Filters, Add	7,160.05	
		For Chilled Water Cooling Coil, Copper Fins, Add	18,737.48	
		For Automatic Roll Filter, Add	18,737.48	
		For Hot Water Heating Coil, Aluminum Fins, Add	4,249.47	
		For Economizer, Panel, Controls And Damper(s), Add	5,059.65	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	15,517.92	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	15,517.92	
		For Manual Roll Filter, Add	18,737.48	
		For Electric Heating Coil, Add	4,893.38	
		For 2 Coils, Independent Circuits, Add	4,893.38	
		For Flat Filter Box And Throwaway Filters, Add	3,734.51	
23 73 13 00-0068	EA	10,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	44,966.00	7,807.33
		For Combination Filter Mixing Box And Throwaway Filters, Add	9,567.40	
		For Direct Expansion Cooling Coil, Copper Fins, Add	19,709.00	
		For Medium Capacity Filter Box And Throwaway Filters, Add	7,542.31	
		For Chilled Water Cooling Coil, Copper Fins, Add	19,709.00	
		For Automatic Roll Filter, Add	19,709.00	
		For Hot Water Heating Coil, Aluminum Fins, Add	4,496.60	
		For Economizer, Panel, Controls And Damper(s), Add	4,528.20	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	16,328.47	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	16,328.47	
		For Manual Roll Filter, Add	19,709.00	
		For Electric Heating Coil, Add	5,172.71	
		For 2 Coils, Independent Circuits, Add	5,172.71	
		For Flat Filter Box And Throwaway Filters, Add	3,938.57	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

23 73 13 00-0069	EA	11,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	46,256.39	8,105.70
		For Combination Filter Mixing Box And Throwaway Filters, Add	9,823.06	
		For Direct Expansion Cooling Coil, Copper Fins, Add	20,217.91	
		For Medium Capacity Filter Box And Throwaway Filters, Add	7,742.38	
		For Chilled Water Cooling Coil, Copper Fins, Add	20,217.91	
		For Automatic Roll Filter, Add	20,217.91	
		For Hot Water Heating Coil, Aluminum Fins, Add	4,625.64	
		For Economizer, Panel, Controls And Damper(s), Add	4,662.07	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	16,752.96	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	16,752.96	
		For Manual Roll Filter, Add	20,217.91	
		For Electric Heating Coil, Add	5,318.63	
		For 2 Coils, Independent Circuits, Add	5,318.63	
		For Flat Filter Box And Throwaway Filters, Add	4,045.29	
23 73 13 00-0070	EA	12,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	47,479.72	8,394.98
		For Combination Filter Mixing Box And Throwaway Filters, Add	10,072.02	
		For Direct Expansion Cooling Coil, Copper Fins, Add	20,720.11	
		For Medium Capacity Filter Box And Throwaway Filters, Add	7,937.75	
		For Chilled Water Cooling Coil, Copper Fins, Add	20,720.11	
		For Automatic Roll Filter, Add	20,720.11	
		For Hot Water Heating Coil, Aluminum Fins, Add	4,747.97	
		For Economizer, Panel, Controls And Damper(s), Add	4,775.82	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	17,170.75	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	17,170.75	
		For Manual Roll Filter, Add	20,720.11	
		For Electric Heating Coil, Add	5,457.85	
		For 2 Coils, Independent Circuits, Add	5,457.85	
		For Flat Filter Box And Throwaway Filters, Add	4,148.67	
23 73 13 00-0071	EA	13,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	53,498.63	8,732.38
		For Combination Filter Mixing Box And Throwaway Filters, Add	11,498.43	
		For Direct Expansion Cooling Coil, Copper Fins, Add	23,795.57	
		For Medium Capacity Filter Box And Throwaway Filters, Add	9,073.66	
		For Chilled Water Cooling Coil, Copper Fins, Add	23,795.57	
		For Automatic Roll Filter, Add	23,795.57	
		For Hot Water Heating Coil, Aluminum Fins, Add	5,349.86	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	19,696.52	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	19,696.52	
		For Manual Roll Filter, Add	23,795.57	
		For Electric Heating Coil, Add	6,169.67	
		For 2 Coils, Independent Circuits, Add	6,169.67	
		For Economizer, Panel, Controls And Damper(s), Add	3,901.64	
		For Flat Filter Box And Throwaway Filters, Add	4,724.45	
23 73 13 00-0072	EA	15,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	59,462.35	9,078.30
		For Combination Filter Mixing Box And Throwaway Filters, Add	12,919.32	
		For Direct Expansion Cooling Coil, Copper Fins, Add	26,865.50	
		For Medium Capacity Filter Box And Throwaway Filters, Add	10,205.71	
		For Chilled Water Cooling Coil, Copper Fins, Add	26,865.50	
		For Automatic Roll Filter, Add	26,865.50	
		For Hot Water Heating Coil, Aluminum Fins, Add	5,946.24	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	22,216.78	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	22,216.78	
		For Manual Roll Filter, Add	26,865.50	
		For Electric Heating Coil, Add	6,875.98	
		For 2 Coils, Independent Circuits, Add	6,875.98	
		For Flat Filter Box And Throwaway Filters, Add	5,297.48	
		For Economizer, Panel, Controls And Damper(s), Add	4,005.64	
23 73 13 00-0073	EA	16,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	68,124.32	9,420.70
		For Combination Filter Mixing Box And Throwaway Filters, Add	15,013.47	
		For Direct Expansion Cooling Coil, Copper Fins, Add	31,415.54	
		For Medium Capacity Filter Box And Throwaway Filters, Add	11,876.27	
		For Chilled Water Cooling Coil, Copper Fins, Add	31,415.54	
		For Automatic Roll Filter, Add	31,415.54	
		For Hot Water Heating Coil, Aluminum Fins, Add	6,812.43	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	25,948.18	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	25,948.18	
		For Manual Roll Filter, Add	31,415.54	
		For Electric Heating Coil, Add	7,905.90	
		For 2 Coils, Independent Circuits, Add	7,905.90	
		For Flat Filter Box And Throwaway Filters, Add	6,139.89	
		For Economizer, Panel, Controls And Damper(s), Add	4,088.88	
23 73 13 00-0074	EA	17,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	76,793.04	9,759.72
		For Combination Filter Mixing Box And Throwaway Filters, Add	17,108.29	
		For Direct Expansion Cooling Coil, Copper Fins, Add	35,966.25	
		For Medium Capacity Filter Box And Throwaway Filters, Add	13,547.30	
		For Chilled Water Cooling Coil, Copper Fins, Add	35,966.25	
		For Automatic Roll Filter, Add	35,966.25	
		For Hot Water Heating Coil, Aluminum Fins, Add	7,679.30	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	29,680.26	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	29,680.26	
		For Manual Roll Filter, Add	35,966.25	
		For Electric Heating Coil, Add	8,936.50	
		For 2 Coils, Independent Circuits, Add	8,936.50	
		For Flat Filter Box And Throwaway Filters, Add	6,982.65	
		For Economizer, Panel, Controls And Damper(s), Add	4,173.30	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0075	EA		20,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	86,139.45	10,581.59
			For Automatic Roll Filter, Add	37,024.57	
			For Steam Heating Coil, Aluminum Fins, Add	15,716.60	
			For Electric Heating Coil, Add	10,034.48	
			For Chilled Water Cooling Coil, Copper Fins, Add	37,024.57	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	29,921.91	
			For Flat Filter Box And Throwaway Filters, Add	7,858.30	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	29,921.91	
			For Hot Water Heating Coil, Aluminum Fins, Add	8,613.95	
			For Manual Roll Filter, Add	29,921.91	
			For Medium Capacity Filter Box And Throwaway Filters, Add	11,711.89	
			For Direct Expansion Cooling Coil, Copper Fins, Add	37,024.57	
			For 2 Coils, Independent Circuits, Add	10,034.48	
			For Combination Filter Mixing Box And Throwaway Filters, Add	19,267.93	
			For Economizer, Panel, Controls And Damper(s), Add	4,379.76	
23 73 13 00-0076	EA		22,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	92,909.93	11,506.19
			For Automatic Roll Filter, Add	39,916.04	
			For Steam Heating Coil, Aluminum Fins, Add	16,947.26	
			For Electric Heating Coil, Add	10,822.25	
			For Economizer, Panel, Controls And Damper(s), Add	4,217.10	
			For Chilled Water Cooling Coil, Copper Fins, Add	39,916.04	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	32,259.78	
			For Flat Filter Box And Throwaway Filters, Add	8,473.63	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	32,259.78	
			For Hot Water Heating Coil, Aluminum Fins, Add	9,290.99	
			For Manual Roll Filter, Add	32,259.78	
			For Medium Capacity Filter Box And Throwaway Filters, Add	12,628.70	
			For Direct Expansion Cooling Coil, Copper Fins, Add	39,916.04	
			For 2 Coils, Independent Circuits, Add	10,822.25	
			For Combination Filter Mixing Box And Throwaway Filters, Add	20,775.39	
23 73 13 00-0077	EA		25,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	110,571.05	12,430.36
			For Automatic Roll Filter, Add	48,184.09	
			For Steam Heating Coil, Aluminum Fins, Add	20,338.85	
			For Electric Heating Coil, Add	12,913.45	
			For Economizer, Panel, Controls And Damper(s), Add	4,428.04	
			For Chilled Water Cooling Coil, Copper Fins, Add	48,184.09	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	38,902.34	
			For Flat Filter Box And Throwaway Filters, Add	10,169.43	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	38,902.34	
			For Hot Water Heating Coil, Aluminum Fins, Add	11,057.11	
			For Manual Roll Filter, Add	38,902.34	
			For Medium Capacity Filter Box And Throwaway Filters, Add	15,165.37	
			For Direct Expansion Cooling Coil, Copper Fins, Add	48,184.09	
			For 2 Coils, Independent Circuits, Add	12,913.45	
			For Combination Filter Mixing Box And Throwaway Filters, Add	24,979.72	
23 73 13 00-0078	EA		27,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	124,855.04	13,458.13
			For Automatic Roll Filter, Add	54,748.07	
			For Steam Heating Coil, Aluminum Fins, Add	23,051.15	
			For Electric Heating Coil, Add	14,598.63	
			For Economizer, Panel, Controls And Damper(s), Add	4,644.79	
			For Chilled Water Cooling Coil, Copper Fins, Add	54,748.07	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	44,182.43	
			For Flat Filter Box And Throwaway Filters, Add	11,525.57	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	44,182.43	
			For Hot Water Heating Coil, Aluminum Fins, Add	12,485.50	
			For Manual Roll Filter, Add	44,182.43	
			For Medium Capacity Filter Box And Throwaway Filters, Add	17,192.37	
			For Direct Expansion Cooling Coil, Copper Fins, Add	54,748.07	
			For 2 Coils, Independent Circuits, Add	14,598.63	
			For Combination Filter Mixing Box And Throwaway Filters, Add	28,333.97	
23 73 13 00-0079	EA		30,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	135,311.59	14,485.92
			For Automatic Roll Filter, Add	59,374.50	
			For Steam Heating Coil, Aluminum Fins, Add	24,992.00	
			For Electric Heating Coil, Add	15,823.33	
			For Economizer, Panel, Controls And Damper(s), Add	4,870.48	
			For Chilled Water Cooling Coil, Copper Fins, Add	59,374.50	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	47,913.67	
			For Flat Filter Box And Throwaway Filters, Add	12,496.00	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	47,913.67	
			For Hot Water Heating Coil, Aluminum Fins, Add	13,531.16	
			For Manual Roll Filter, Add	47,913.67	
			For Medium Capacity Filter Box And Throwaway Filters, Add	18,640.48	
			For Direct Expansion Cooling Coil, Copper Fins, Add	59,374.50	
			For 2 Coils, Independent Circuits, Add	15,823.33	
			For Combination Filter Mixing Box And Throwaway Filters, Add	30,722.41	
23 73 13 00-0080	EA		32,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	151,403.38	16,950.65
			For Automatic Roll Filter, Add	66,025.04	
			For Steam Heating Coil, Aluminum Fins, Add	27,861.51	
			For Electric Heating Coil, Add	17,684.57	
			For Chilled Water Cooling Coil, Copper Fins, Add	66,025.04	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	53,303.86	
			For Economizer, Panel, Controls And Damper(s), Add	4,853.95	
			For Flat Filter Box And Throwaway Filters, Add	13,930.76	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	53,303.86	
			For Hot Water Heating Coil, Aluminum Fins, Add	15,140.34	
			For Manual Roll Filter, Add	53,303.86	
			For Medium Capacity Filter Box And Throwaway Filters, Add	20,775.18	
			For Direct Expansion Cooling Coil, Copper Fins, Add	66,025.04	
			For 2 Coils, Independent Circuits, Add	17,684.57	
			For Combination Filter Mixing Box And Throwaway Filters, Add	34,222.10	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 73 13 00-0081	EA	35,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	152,308.17	17,567.49
		For Automatic Roll Filter, Add	66,115.52	
		For Steam Heating Coil, Aluminum Fins, Add	27,951.99	
		For Electric Heating Coil, Add	17,775.05	
		For Chilled Water Cooling Coil, Copper Fins, Add	66,115.52	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	53,394.34	
		For Economizer, Panel, Controls And Damper(s), Add	4,967.05	
		For Flat Filter Box And Throwaway Filters, Add	13,976.00	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	53,394.34	
		For Hot Water Heating Coil, Aluminum Fins, Add	15,230.82	
		For Manual Roll Filter, Add	53,394.34	
		For Medium Capacity Filter Box And Throwaway Filters, Add	20,838.51	
		For Direct Expansion Cooling Coil, Copper Fins, Add	66,115.52	
		For 2 Coils, Independent Circuits, Add	17,775.05	
		For Combination Filter Mixing Box And Throwaway Filters, Add	34,312.58	
23 73 13 00-0082	EA	37,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	159,259.44	18,183.31
		For Automatic Roll Filter, Add	69,229.24	
		For Steam Heating Coil, Aluminum Fins, Add	29,251.77	
		For Electric Heating Coil, Add	18,591.11	
		For Chilled Water Cooling Coil, Copper Fins, Add	69,229.24	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	55,903.41	
		For Economizer, Panel, Controls And Damper(s), Add	5,080.15	
		For Flat Filter Box And Throwaway Filters, Add	14,625.88	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	55,903.41	
		For Hot Water Heating Coil, Aluminum Fins, Add	15,925.94	
		For Manual Roll Filter, Add	55,903.41	
		For Medium Capacity Filter Box And Throwaway Filters, Add	21,808.82	
		For Direct Expansion Cooling Coil, Copper Fins, Add	69,229.24	
		For 2 Coils, Independent Circuits, Add	18,591.11	
		For Combination Filter Mixing Box And Throwaway Filters, Add	35,914.68	
23 73 13 00-0083	EA	40,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	166,739.10	19,519.44
		For Automatic Roll Filter, Add	72,223.04	
		For Steam Heating Coil, Aluminum Fins, Add	30,561.19	
		For Electric Heating Coil, Add	19,451.37	
		For Chilled Water Cooling Coil, Copper Fins, Add	72,223.04	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	58,335.76	
		For Economizer, Panel, Controls And Damper(s), Add	5,313.29	
		For Flat Filter Box And Throwaway Filters, Add	15,280.60	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	58,335.76	
		For Hot Water Heating Coil, Aluminum Fins, Add	16,673.91	
		For Manual Roll Filter, Add	58,335.76	
		For Medium Capacity Filter Box And Throwaway Filters, Add	22,781.56	
		For Direct Expansion Cooling Coil, Copper Fins, Add	72,223.04	
		For 2 Coils, Independent Circuits, Add	19,451.37	
		For Combination Filter Mixing Box And Throwaway Filters, Add	37,504.83	
23 73 13 00-0084	EA	45,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	179,560.24	20,546.77
		For Automatic Roll Filter, Add	78,091.06	
		For Steam Heating Coil, Aluminum Fins, Add	32,989.78	
		For Electric Heating Coil, Add	20,962.78	
		For Chilled Water Cooling Coil, Copper Fins, Add	78,091.06	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	63,057.30	
		For Economizer, Panel, Controls And Damper(s), Add	5,482.83	
		For Flat Filter Box And Throwaway Filters, Add	16,494.89	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	63,057.30	
		For Hot Water Heating Coil, Aluminum Fins, Add	17,956.02	
		For Manual Roll Filter, Add	63,057.30	
		For Medium Capacity Filter Box And Throwaway Filters, Add	24,596.22	
		For Direct Expansion Cooling Coil, Copper Fins, Add	78,091.06	
		For 2 Coils, Independent Circuits, Add	20,962.78	
		For Combination Filter Mixing Box And Throwaway Filters, Add	40,506.66	
23 73 13 00-0085	EA	50,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	192,965.65	21,676.85
		For Automatic Roll Filter, Add	84,080.33	
		For Economizer, Panel, Controls And Damper(s), Add	5,000.63	
		For Steam Heating Coil, Aluminum Fins, Add	35,492.51	
		For Electric Heating Coil, Add	22,535.75	
		For Chilled Water Cooling Coil, Copper Fins, Add	84,080.33	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	67,884.39	
		For Flat Filter Box And Throwaway Filters, Add	17,746.25	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	67,884.39	
		For Hot Water Heating Coil, Aluminum Fins, Add	19,296.57	
		For Manual Roll Filter, Add	67,884.39	
		For Medium Capacity Filter Box And Throwaway Filters, Add	26,464.35	
		For Direct Expansion Cooling Coil, Copper Fins, Add	84,080.33	
		For 2 Coils, Independent Circuits, Add	22,535.75	
		For Combination Filter Mixing Box And Throwaway Filters, Add	43,590.48	
23 73 13 00-0086	EA	55,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	207,773.52	23,012.39
		For Automatic Roll Filter, Add	90,743.81	
		For Economizer, Panel, Controls And Damper(s), Add	5,185.74	
		For Steam Heating Coil, Aluminum Fins, Add	38,268.97	
		For Electric Heating Coil, Add	24,275.68	
		For Chilled Water Cooling Coil, Copper Fins, Add	90,743.81	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	73,252.20	
		For Flat Filter Box And Throwaway Filters, Add	19,134.48	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	73,252.20	
		For Hot Water Heating Coil, Aluminum Fins, Add	20,777.35	
		For Manual Roll Filter, Add	73,252.20	
		For Medium Capacity Filter Box And Throwaway Filters, Add	28,537.44	
		For Direct Expansion Cooling Coil, Copper Fins, Add	90,743.81	
		For 2 Coils, Independent Circuits, Add	24,275.68	
		For Combination Filter Mixing Box And Throwaway Filters, Add	47,014.77	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0087	EA	60,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan For Automatic Roll Filter, Add For Economizer, Panel, Controls And Damper(s), Add For Steam Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Copper Fins, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Flat Filter Box And Throwaway Filters, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Hot Water Heating Coil, Aluminum Fins, Add For Manual Roll Filter, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Direct Expansion Cooling Coil, Copper Fins, Add For 2 Coils, Independent Circuits, Add For Combination Filter Mixing Box And Throwaway Filters, Add	222,628.54 97,836.05 5,269.55 41,156.15 26,041.51 97,836.05 78,942.75 20,578.08 78,942.75 22,262.85 78,942.75 30,698.64 97,836.05 26,041.51 50,602.80	23,628.79
23 73 13 00-0088		Return/Supply Air Fan (23 73 13) Note: Includes vibration mounts.		
23 73 13 00-0089	EA	300 CFM Return Air Fan.....	3,879.78	821.72
23 73 13 00-0090	EA	500 CFM Return Air Fan.....	5,013.89	986.10
23 73 13 00-0091	EA	750 CFM Return Air Fan.....	5,236.55	1,027.19
23 73 13 00-0092	EA	1,000 CFM Return Air Fan.....	5,959.24	1,088.83
23 73 13 00-0093	EA	1,250 CFM Return Air Fan.....	6,144.56	1,140.20
23 73 13 00-0094	EA	1,500 CFM Return Air Fan.....	6,292.41	1,191.57
23 73 13 00-0095	EA	1,750 CFM Return Air Fan.....	6,604.57	1,253.21
23 73 13 00-0096	EA	2,000 CFM Return Air Fan.....	7,327.25	1,314.84
23 73 13 00-0097	EA	2,250 CFM Return Air Fan.....	7,676.58	1,376.48
23 73 13 00-0098	EA	2,500 CFM Return Air Fan.....	7,876.65	1,438.13
23 73 13 00-0099	EA	3,000 CFM Return Air Fan.....	8,357.62	1,592.23
23 73 13 00-0100	EA	3,500 CFM Return Air Fan.....	8,587.29	1,674.41
23 73 13 00-0101	EA	4,000 CFM Return Air Fan.....	8,801.94	1,746.33
23 73 13 00-0102	EA	4,500 CFM Return Air Fan.....	9,068.91	1,828.67
23 73 13 00-0103	EA	5,000 CFM Return Air Fan.....	9,312.78	1,921.13
23 73 13 00-0104	EA	5,500 CFM Return Air Fan.....	9,784.69	2,147.13
23 73 13 00-0105	EA	6,000 CFM Return Air Fan.....	11,140.75	2,547.80
23 73 13 00-0106	EA	6,500 CFM Return Air Fan.....	11,424.30	2,588.90
23 73 13 00-0107	EA	7,000 CFM Return Air Fan.....	11,550.30	2,599.17
23 73 13 00-0108	EA	8,000 CFM Return Air Fan.....	12,132.43	2,640.26
23 73 13 00-0109	EA	9,000 CFM Return Air Fan.....	12,395.55	2,671.08
23 73 13 00-0110	EA	10,000 CFM Return Air Fan.....	13,032.57	2,774.26
23 73 13 00-0111	EA	12,500 CFM Return Air Fan.....	13,849.79	2,825.03
23 73 13 00-0112	EA	15,000 CFM Return Air Fan.....	15,571.53	2,905.31
23 73 13 00-0113	EA	17,500 CFM Return Air Fan.....	16,951.19	3,061.33
23 73 13 00-0114	EA	20,000 CFM Return Air Fan.....	20,052.62	3,194.58
23 73 13 00-0115	EA	22,500 CFM Return Air Fan.....	21,005.67	3,305.98
23 73 13 00-0116	EA	25,000 CFM Return Air Fan.....	21,944.08	3,400.49
23 73 13 00-0117	EA	27,500 CFM Return Air Fan.....	23,292.46	3,739.52
23 73 13 00-0118	EA	30,000 CFM Return Air Fan.....	24,890.86	3,944.68
23 73 13 00-0119	EA	35,000 CFM Return Air Fan.....	28,001.08	4,108.91
23 73 13 00-0120	EA	40,000 CFM Return Air Fan.....	32,917.87	4,519.85
23 73 13 00-0121	EA	45,000 CFM Return Air Fan.....	40,403.40	5,136.25
23 73 13 00-0122	EA	50,000 CFM Return Air Fan.....	48,954.51	5,321.62
23 73 13 00-0123	EA	55,000 CFM Return Air Fan.....	51,219.73	5,475.28
23 73 13 00-0124	EA	60,000 CFM Return Air Fan.....	52,403.92	5,619.10
23 73 13 00-0125	EA	65,000 CFM Return Air Fan.....	54,949.47	5,865.52
23 73 13 00-0126	EA	70,000 CFM Return Air Fan.....	57,714.32	6,154.34
23 73 13 00-0127	EA	75,000 CFM Return Air Fan.....	62,037.74	6,456.24
23 73 13 00-0128	EA	80,000 CFM Return Air Fan.....	64,803.26	6,798.49
23 73 13 00-0129	EA	90,000 CFM Return Air Fan.....	66,951.75	7,185.65
23 73 13 00-0130	EA	100,000 CFM Return Air Fan.....	71,936.50	7,514.55
23 73 13 00-0131	EA	115,000 CFM Return Air Fan.....	77,339.37	7,873.97
23 73 13 00-0132	EA	130,000 CFM Return Air Fan.....	83,204.48	8,270.66
23 73 13 00-0133	EA	150,000 CFM Return Air Fan.....	90,958.17	8,711.25
23 73 13 00-0134		Removal And Reinstallation Of Air Handling Unit (23 73 13) Note: Air handling units with filter and coils. Includes storage and cleaning. Excludes ductwork.		
23 73 13 00-0135	EA	Removal And Reinstallation Of Up To 11,500 CFM Air Handling Unit.....	3,763.14	
23 73 13 00-0136	EA	Removal And Reinstallation Of >11,500 To 16,500 CFM Air Handling Unit	5,104.78	
23 73 13 00-0137	EA	Removal And Reinstallation Of >16,500 To 22,000 CFM Air Handling Unit	6,350.30	
23 73 13 00-0138	EA	Removal And Reinstallation Of >22,000 CFM Air Handling Unit	11,586.53	
23 74		Packaged Outdoor HVAC Equipment (23 70)		
23 74 16		Packaged Rooftop Air-Conditioning Units (23 74)		
23 74 16 13		Packaged, Large-Capacity, Rooftop Air-Conditioning Units (23 74 16)		
23 74 16 13-0001		Electric Cooling, Electric Heat, Self Contained Packaged Rooftop Air-Conditioning Units (23 74 16 13) Note: Electric heating capacity is approximately 1/2 the cooling capacity. Units < 5 tons have 14 SEER, units 5 to < 20 tons have 11 EER, and units 20 tons and over have 10 EER. Includes roof curb and economizer. Excludes crane and associated personnel. See CSI section 01 22 23 00-0976 for crane lifting equipment, 26 28 16 16-0001 for disconnects.		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 74 Packaged Outdoor HVAC Equipment**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 74 16 13-0002	EA	2 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	5,939.06	1,916.63
		For Unit Without Heat, Deduct	-424.73	
		For Unit Without Factory Installed Economizer, Deduct	-1,136.65	
		For Unit Without Roof Curb, Deduct	-764.13	
23 74 16 13-0003	EA	3 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	6,705.36	2,003.75
		For Unit Without Heat, Deduct	-468.85	
		For Unit Without Factory Installed Economizer, Deduct	-1,136.65	
		For Unit Without Roof Curb, Deduct	-764.13	
23 74 16 13-0004	EA	4 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	7,982.69	2,090.86
		For Unit Without Heat, Deduct	-538.53	
		For Unit Without Factory Installed Economizer, Deduct	-1,136.65	
		For Unit Without Roof Curb, Deduct	-764.13	
23 74 16 13-0005	EA	5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	9,516.68	2,221.55
		For Unit Without Heat, Deduct	-623.94	
		For Unit Without Factory Installed Economizer, Deduct	-1,136.65	
		For Unit Without Roof Curb, Deduct	-764.13	
23 74 16 13-0006	EA	6 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	10,304.58	2,352.22
		For Unit Without Heat, Deduct	-672.04	
		For Unit Without Factory Installed Economizer, Deduct	-1,136.65	
		For Unit Without Roof Curb, Deduct	-764.13	
23 74 16 13-0007	EA	7.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	11,974.07	2,526.46
		For Unit Without Heat, Deduct	-767.14	
		For Unit Without Factory Installed Economizer, Deduct	-1,160.14	
		For Unit Without Roof Curb, Deduct	-916.96	
23 74 16 13-0008	EA	8.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	14,329.62	2,657.15
		For Unit Without Heat, Deduct	-893.62	
		For Unit Without Factory Installed Economizer, Deduct	-1,160.14	
		For Unit Without Roof Curb, Deduct	-916.96	
23 74 16 13-0009	EA	10 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	15,109.83	2,831.38
		For Unit Without Heat, Deduct	-944.25	
		For Unit Without Factory Installed Economizer, Deduct	-1,186.42	
		For Unit Without Roof Curb, Deduct	-916.96	
23 74 16 13-0010	EA	12.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	18,517.79	3,059.63
		For Unit Without Heat, Deduct	-1,129.89	
		For Unit Without Factory Installed Economizer, Deduct	-1,281.34	
		For Unit Without Roof Curb, Deduct	-916.96	
23 74 16 13-0011	EA	15 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	20,102.76	3,288.76
		For Unit Without Heat, Deduct	-1,224.39	
		For Unit Without Factory Installed Economizer, Deduct	-2,422.12	
		For Unit Without Roof Curb, Deduct	-916.96	
23 74 16 13-0012	EA	17.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	22,955.68	3,517.31
		For Unit Without Heat, Deduct	-1,382.28	
		For Unit Without Factory Installed Economizer, Deduct	-2,422.12	
		For Unit Without Roof Curb, Deduct	-916.96	
23 74 16 13-0013	EA	20 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	25,873.95	3,746.14
		For Unit Without Heat, Deduct	-1,543.44	
		For Unit Without Factory Installed Economizer, Deduct	-2,422.12	
		For Unit Without Roof Curb, Deduct	-916.96	
23 74 16 13-0014	EA	22.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	28,795.55	4,127.15
		For Unit Without Heat, Deduct	-1,714.93	
		For Unit Without Factory Installed Economizer, Deduct	-2,422.12	
		For Unit Without Roof Curb, Deduct	-916.96	
23 74 16 13-0015	EA	25 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	30,728.25	4,508.43
		For Unit Without Heat, Deduct	-1,836.98	
		For Unit Without Factory Installed Economizer, Deduct	-2,422.12	
		For Unit Without Roof Curb, Deduct	-916.96	
23 74 16 13-0016	EA	27.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	33,017.13	4,933.29
		For Unit Without Heat, Deduct	-1,979.73	
		For Unit Without Factory Installed Economizer, Deduct	-2,422.12	
		For Unit Without Roof Curb, Deduct	-1,407.35	
23 74 16 13-0017	EA	30 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	36,049.04	5,357.85
		For Unit Without Heat, Deduct	-2,159.64	
		For Unit Without Factory Installed Economizer, Deduct	-2,422.12	
		For Unit Without Roof Curb, Deduct	-1,407.35	
23 74 16 13-0018	EA	35 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	41,802.62	6,250.82
		For Unit Without Heat, Deduct	-2,506.85	
		For Unit Without Factory Installed Economizer, Deduct	-2,422.12	
		For Unit Without Roof Curb, Deduct	-1,407.35	
23 74 16 13-0019	EA	40 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	47,979.32	7,143.80
		For Unit Without Heat, Deduct	-2,875.22	
		For Unit Without Factory Installed Economizer, Deduct	-2,422.12	
		For Unit Without Roof Curb, Deduct	-2,131.18	
23 74 16 13-0020	EA	45 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	52,510.36	8,058.56
		For Unit Without Heat, Deduct	-3,162.76	
		For Unit Without Factory Installed Economizer, Deduct	-2,422.12	
		For Unit Without Roof Curb, Deduct	-2,131.18	
23 74 16 13-0021	EA	50 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	60,528.41	8,973.32
		For Unit Without Heat, Deduct	-3,624.64	
		For Unit Without Factory Installed Economizer, Deduct	-2,422.12	
		For Unit Without Roof Curb, Deduct	-2,131.18	
23 74 16 13-0022	EA	55 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	67,394.51	9,844.51
		For Unit Without Heat, Deduct	-4,026.03	
		For Unit Without Factory Installed Economizer, Deduct	-2,422.12	
		For Unit Without Roof Curb, Deduct	-2,647.21	
23 74 16 13-0023	EA	60 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	72,880.65	10,715.70
		For Unit Without Heat, Deduct	-4,358.41	
		For Unit Without Factory Installed Economizer, Deduct	-2,422.12	
		For Unit Without Roof Curb, Deduct	-2,647.21	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0024	EA	65 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit <i>For Unit Without Heat, Deduct</i> <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	78,121.70 -4,678.55 -2,422.12 -2,694.78	11,586.90
23 74 16 13-0025	EA	70 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit <i>For Unit Without Heat, Deduct</i> <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	84,013.29 -5,031.20 -2,422.12 -2,694.78	12,458.09
23 74 16 13-0026	EA	75 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit <i>For Unit Without Heat, Deduct</i> <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	91,000.95 -5,444.47 -2,422.12 -2,999.49	13,416.40
23 74 16 13-0027 Electric Cooling, Gas Heat, Self Contained Packaged Rooftop Air-Conditioning Units (23 74 16 13) Note: Units < 5 tons have 14 SEER, units 5 to < 20 tons have 11 EER, and units 20 tons and over have 10 EER. Includes roof curb and economizer. Excludes crane and associated personnel. See CSI section 01 22 23 00-0976 for crane lifting equipment, 26 28 16 16-0001 for Disconnects.				
23 74 16 13-0028	EA	2 Ton Electric Cooling, 50 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	5,809.34 -1,136.65 -764.13	1,742.39
23 74 16 13-0029	EA	3 Ton Electric Cooling, 60 To 80 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	6,780.31 -1,136.65 -764.13	2,003.75
23 74 16 13-0030	EA	4 Ton Electric Cooling, 80 To 110 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	8,532.84 -1,136.65 -764.13	2,308.67
23 74 16 13-0031	EA	5 Ton Electric Cooling, 100 To 120 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	9,675.58 -1,136.65 -764.13	2,482.91
23 74 16 13-0032	EA	6 Ton Electric Cooling, 140 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	10,940.83 -1,136.65 -764.13	2,678.93
23 74 16 13-0033	EA	7.5 Ton Electric Cooling, 150 To 180 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	12,781.86 -1,160.14 -916.96	2,809.60
23 74 16 13-0034	EA	8.5 Ton Electric Cooling, 170 To 190 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	15,901.98 -1,160.14 -916.96	2,330.45
23 74 16 13-0035	EA	10 Ton Electric Cooling, 200 To 240 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	16,366.50 -1,186.42 -916.96	3,136.31
23 74 16 13-0036	EA	12.5 Ton Electric Cooling, 250 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	20,411.68 -1,281.34 -916.96	3,397.67
23 74 16 13-0037	EA	15 Ton Electric Cooling, 300 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	22,201.20 -2,422.12 -916.96	3,659.02
23 74 16 13-0038	EA	17.5 Ton Electric Cooling, 330 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	25,776.14 -2,422.12 -916.96	3,920.38
23 74 16 13-0039	EA	20 Ton Electric Cooling, 350 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	32,602.65 -2,422.12 -916.96	4,181.74
23 74 16 13-0040	EA	22.5 Ton Electric Cooling, 380 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	39,766.95 -2,422.12 -916.96	4,617.34
23 74 16 13-0041	EA	25 Ton Electric Cooling, 400 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	46,931.24 -2,422.12 -916.96	4,994.85
23 74 16 13-0042	EA	27.5 Ton Electric Cooling, 450 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	48,378.29 -2,422.12 -1,407.35	5,488.53
23 74 16 13-0043	EA	30 Ton Electric Cooling, 500 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	50,524.75 -2,422.12 -1,407.35	5,924.13
23 74 16 13-0044	EA	35 Ton Electric Cooling, 550 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	56,282.77 -2,422.12 -1,407.35	6,926.00
23 74 16 13-0045	EA	40 Ton Electric Cooling, 600 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	62,569.18 -2,422.12 -2,131.18	7,927.87
23 74 16 13-0046	EA	45 Ton Electric Cooling, 650 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	67,754.98 -2,422.12 -2,131.18	8,929.75
23 74 16 13-0047	EA	50 Ton Electric Cooling, 750 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	72,379.32 -2,422.12 -2,131.18	9,931.63
23 74 16 13-0048	EA	55 Ton Electric Cooling, 800 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	79,607.24 -2,422.12 -2,647.21	10,933.50
23 74 16 13-0049	EA	60 Ton Electric Cooling, 850 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	86,533.82 -2,422.12 -2,647.21	11,935.37
23 74 16 13-0050	EA	65 Ton Electric Cooling, 900 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	93,356.24 -2,422.12 -2,694.78	12,436.31

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 74 Packaged Outdoor HVAC Equipment**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 74 16 13-0051	EA	70 Ton Electric Cooling, 950 MBH Gas Heating, Self Contained Package Rooftop Unit.....	100,251.38	12,915.47
		<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,422.12	
		<i>For Unit Without Roof Curb, Deduct</i>	-2,694.78	
23 74 16 13-0052	EA	75 Ton Electric Cooling, 1,000 MBH Gas Heating, Self Contained Package Rooftop Unit.....	110,151.92	13,416.40
		<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,422.12	
		<i>For Unit Without Roof Curb, Deduct</i>	-2,999.49	
23 74 16 13-0053	EA	80 Ton Electric Cooling, 1,100 MBH Gas Heating, Self Contained Package Rooftop Unit.....	104,935.50	13,939.13
		<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,422.12	
		<i>For Unit Without Roof Curb, Deduct</i>	-2,999.49	
23 74 16 13-0054	EA	90 Ton Electric Cooling, 1,200 MBH Gas Heating, Self Contained Package Rooftop Unit.....	151,354.62	16,378.46
		<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,422.12	
		<i>For Unit Without Roof Curb, Deduct</i>	-2,999.49	
23 74 16 13-0055	EA	100 Ton Electric Cooling, 1,350 MBH Gas Heating, Self Contained Package Rooftop Unit.....	170,582.03	19,950.38
		<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,422.12	
		<i>For Unit Without Roof Curb, Deduct</i>	-2,999.49	

23 74 16 13-0056 Dedicated Outdoor Air Systems (DOAS) Rooftop Air-Conditioning Units ^{(23 74}
^{16 13)}

Note: Units < 5 tons have 14 SEER minimum, units 5 to < 20 tons have 11 EER minimum, and units 20 tons and over have 10 EER minimum. Excludes crane and associated personnel. See CSI section 01 22 23 00-0976 for crane lifting equipment, 07 72 13 00-0000 for roof curbs, 23 09 23 00-0000 for controls, 26 28 16 16-0001 for disconnects.

23 74 16 13-0057 AAON RQ Rooftop Units ^(23 74 16 13-0056)

Note: Includes 2" double wall foam panel construction, direct drive fan with VFD (or ECM motor), single stage on/off scroll compressor, terminal strip for field supplied thermostat, gas heat, manually adjustable OSA damper, microchannel condenser coils. Excludes economizer, controls, disconnect, roof curb, items not specifically mentioned above. Excludes crane and associated personnel. See CSI section 01 22 23 00-0976 for crane lifting equipment.

23 74 16 13-0058	EA	2 Ton, Air-Cooled Packaged Rooftop Units (AAON RQ-002).....	14,675.70	1,742.39
		<i>For Factory Installed And Wired Dry Bulb Economizer, Add</i>	1,564.12	
		<i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i>	1,696.97	
		<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	1,336.02	
		<i>For Factory Installed Non-Fused Disconnect, Add</i>	1,529.03	
		<i>For Factory Installed Exhaust Fan, Add</i>	7,795.53	
		<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	1,819.79	
23 74 16 13-0059	EA	3 Ton, Air-Cooled Packaged Rooftop Units (AAON RQ-003).....	16,001.76	2,003.75
		<i>For Factory Installed And Wired Dry Bulb Economizer, Add</i>	1,676.92	
		<i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i>	1,819.79	
		<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	1,431.27	
		<i>For Factory Installed Non-Fused Disconnect, Add</i>	1,639.32	
		<i>For Factory Installed Exhaust Fan, Add</i>	7,795.53	
		<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	1,819.79	
23 74 16 13-0060	EA	4 Ton, Air-Cooled Packaged Rooftop Units (AAON RQ-004).....	16,631.42	2,308.67
		<i>For Factory Installed And Wired Dry Bulb Economizer, Add</i>	1,676.92	
		<i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i>	1,819.79	
		<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	1,431.27	
		<i>For Factory Installed Non-Fused Disconnect, Add</i>	1,639.32	
		<i>For Factory Installed Exhaust Fan, Add</i>	7,795.53	
		<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	1,819.79	
23 74 16 13-0061	EA	5 Ton, Air-Cooled Packaged Rooftop Units (AAON RQ-005).....	17,061.76	2,482.91
		<i>For Factory Installed And Wired Dry Bulb Economizer, Add</i>	1,676.92	
		<i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i>	1,819.79	
		<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	1,431.27	
		<i>For Factory Installed Non-Fused Disconnect, Add</i>	1,639.32	
		<i>For Factory Installed Exhaust Fan, Add</i>	7,795.53	
		<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	1,819.79	
23 74 16 13-0062	EA	6 Ton, Air-Cooled Packaged Rooftop Units (AAON RQ-006).....	18,664.14	3,027.46
		<i>For Factory Installed And Wired Dry Bulb Economizer, Add</i>	1,676.92	
		<i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i>	1,819.79	
		<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	1,431.27	
		<i>For Factory Installed Non-Fused Disconnect, Add</i>	1,639.32	
		<i>For Factory Installed Exhaust Fan, Add</i>	7,795.53	
		<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	1,819.79	

23 74 16 13-0063 AAON RNA Rooftop Units ^(23 74 16 13-0056)

Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, single stage on/off compressor, terminal strip for field provided thermostat, gas heat, manually adjustable OSA damper. Excludes economizer, controls, disconnect, roof curb, items not specifically mentioned above. Excludes crane and associated personnel. See CSI section 01 22 23 00-0976 for crane lifting equipment.

23 74 16 13-0064	EA	6 Ton, Air-Cooled Packaged Rooftop Units (AAON RNA-006).....	22,576.94	2,678.98
		<i>For Factory Installed And Wired Dry Bulb Economizer, Add</i>	1,631.80	
		<i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i>	2,506.60	
		<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	1,671.90	
		<i>For Factory Installed Non-Fused Disconnect, Add</i>	1,544.07	
		<i>For Factory Installed Exhaust Fan, Add</i>	4,163.46	
		<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	1,418.74	
23 74 16 13-0065	EA	7 Ton, Air-Cooled Packaged Rooftop Units (AAON RNA-007).....	24,102.24	2,809.66
		<i>For Factory Installed And Wired Dry Bulb Economizer, Add</i>	1,631.80	
		<i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i>	2,506.60	
		<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	1,671.90	
		<i>For Factory Installed Non-Fused Disconnect, Add</i>	1,544.07	
		<i>For Factory Installed Exhaust Fan, Add</i>	4,163.46	
		<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	1,418.74	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0066	EA	8 Ton, Air-Cooled Packaged Rooftop Units (AAON RNA-008)..... For Factory Installed And Wired Dry Bulb Economizer, Add For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add For Factory Authorized Start Up, 4 Hour, One Trip, Add For Factory Installed Non-Fused Disconnect, Add For Factory Installed Exhaust Fan, Add For Hot Water Coil In Lieu Of Gas Heat, Add	27,671.27 1,631.80 2,506.60 1,671.90 1,544.07 4,163.46 1,418.74	3,027.46
23 74 16 13-0067	EA	10 Ton, Air-Cooled Packaged Rooftop Units (AAON RNA-010)..... For Factory Installed And Wired Dry Bulb Economizer, Add For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add For Factory Authorized Start Up, 4 Hour, One Trip, Add For Factory Installed Non-Fused Disconnect, Add For Factory Installed Exhaust Fan, Add For Hot Water Coil In Lieu Of Gas Heat, Add	27,949.32 1,631.80 2,506.60 1,671.90 1,544.07 4,163.46 1,418.74	3,136.31
23 74 16 13-0068		AAON RNB Rooftop Units (23 74 16 13-0056) Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (1) on/off scroll compressors, terminal strip for field provided thermostat, gas heat, factory installed 3 position economizer. Excludes controls, disconnect, roof curb, items not specifically mentioned above. Excludes crane and associated personnel. See CSI section 01 22 23 00-0976 for crane lifting equipment.		
23 74 16 13-0069	EA	9 Ton, Air-Cooled Packaged Rooftop Units (AAON RNB-009)..... For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add For Factory Authorized Start Up, 4 Hour, One Trip, Add For Factory Installed Non-Fused Disconnect, Add For Factory Installed Exhaust Fan, Add For Hot Water Coil In Lieu Of Gas Heat, Add	33,150.52 2,403.83 1,879.95 1,491.43 3,970.45 1,426.26	3,136.31
23 74 16 13-0070	EA	11 Ton, Air-Cooled Packaged Rooftop Units (AAON RNB-011)..... For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add For Factory Authorized Start Up, 4 Hour, One Trip, Add For Factory Installed Non-Fused Disconnect, Add For Factory Installed Exhaust Fan, Add For Hot Water Coil In Lieu Of Gas Heat, Add	33,402.83 2,403.83 1,879.95 1,491.43 3,970.45 1,426.26	3,049.19
23 74 16 13-0071	EA	13 Ton, Air-Cooled Packaged Rooftop Units (AAON RNB-013)..... For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add For Factory Authorized Start Up, 4 Hour, One Trip, Add For Factory Installed Non-Fused Disconnect, Add For Factory Installed Exhaust Fan, Add For Hot Water Coil In Lieu Of Gas Heat, Add	36,419.19 2,403.83 1,879.95 1,491.43 3,970.45 1,426.26	3,397.67
23 74 16 13-0072	EA	15 Ton, Air-Cooled Packaged Rooftop Units (AAON RNB-015)..... For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add For Factory Authorized Start Up, 4 Hour, One Trip, Add For Factory Installed Non-Fused Disconnect, Add For Factory Installed Exhaust Fan, Add For Hot Water Coil In Lieu Of Gas Heat, Add	37,349.19 2,403.83 1,879.95 1,491.43 3,970.45 1,426.26	3,659.02
23 74 16 13-0073		AAON RNC Rooftop Units (23 74 16 13-0056) Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (2) on/off scroll compressors, terminal strip for field provided thermostat, gas heat, factory installed 3 position economizer. Excludes controls, disconnect, roof curb, items not specifically mentioned above. Excludes crane and associated personnel.		
23 74 16 13-0074	EA	16 Ton, Air-Cooled Packaged Rooftop Units (AAON RNC-016)..... For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add For Factory Authorized Start Up, 4 Hour, One Trip, Add For Factory Installed Non-Fused Disconnect, Add For Factory Installed Exhaust Fan, Add For Hot Water Coil In Lieu Of Gas Heat, Add	48,107.51 3,549.35 2,506.60 1,491.43 7,281.67 649.21	3,659.02
23 74 16 13-0075	EA	18 Ton, Air-Cooled Packaged Rooftop Units (AAON RNC-018)..... For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add For Factory Authorized Start Up, 4 Hour, One Trip, Add For Factory Installed Non-Fused Disconnect, Add For Factory Installed Exhaust Fan, Add For Hot Water Coil In Lieu Of Gas Heat, Add	51,970.25 3,549.35 2,506.60 1,491.43 7,281.67 649.21	3,920.38
23 74 16 13-0076	EA	20 Ton, Air-Cooled Packaged Rooftop Units (AAON RNC-020)..... For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add For Factory Authorized Start Up, 4 Hour, One Trip, Add For Factory Installed Non-Fused Disconnect, Add For Factory Installed Exhaust Fan, Add For Hot Water Coil In Lieu Of Gas Heat, Add	55,068.47 3,549.35 2,506.60 1,491.43 7,281.67 649.21	4,181.74
23 74 16 13-0077	EA	25 Ton, Air-Cooled Packaged Rooftop Units (AAON RNC-025)..... For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add For Factory Authorized Start Up, 4 Hour, One Trip, Add For Factory Installed Non-Fused Disconnect, Add For Factory Installed Exhaust Fan, Add For Hot Water Coil In Lieu Of Gas Heat, Add	59,581.38 3,549.35 2,506.60 1,491.43 7,281.67 649.21	5,052.93
23 74 16 13-0078	EA	30 Ton, Air-Cooled Packaged Rooftop Units (AAON RNC-030)..... For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add For Factory Authorized Start Up, 4 Hour, One Trip, Add For Factory Installed Non-Fused Disconnect, Add For Factory Installed Exhaust Fan, Add For Hot Water Coil In Lieu Of Gas Heat, Add	67,573.46 3,549.35 2,506.60 1,491.43 7,281.67 649.21	5,924.13
23 74 16 13-0079		AAON RND Rooftop Units (23 74 16 13-0056) Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (2) variable capacity digital scroll compressor and (2) on/off compressor, VAV unit controller (varies fan speed and compressor capacity for energy savings year round), cooling only - no heat, factory installed economizer with powered exhaust fans with VFD's, (building static pressure control), factory installed non-fused disconnect and factory start up. Excludes roof curb, items not specifically mentioned above. Excludes crane and associated personnel.		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 74 Packaged Outdoor HVAC Equipment**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 74 16 13-0080	EA	26 Ton, Air-Cooled Packaged Rooftop Units (AAON RND-026).....	90,480.24	5,052.93
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	3,133.25	
		For Factory Installed Non-Fused Disconnect, Add	3,393.94	
		For Hot Water Coil In Lieu Of Gas Heat, Add	4,762.54	
23 74 16 13-0081	EA	31 Ton, Air-Cooled Packaged Rooftop Units (AAON RND-031).....	103,099.50	5,924.13
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	3,133.25	
		For Factory Installed Non-Fused Disconnect, Add	3,393.94	
		For Hot Water Coil In Lieu Of Gas Heat, Add	4,762.54	
23 74 16 13-0082	EA	40 Ton, Air-Cooled Packaged Rooftop Units (AAON RND-040).....	121,485.04	7,927.87
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	3,133.25	
		For Factory Installed Non-Fused Disconnect, Add	3,393.94	
		For Hot Water Coil In Lieu Of Gas Heat, Add	4,762.54	
23 74 16 13-0083	EA	50 Ton, Air-Cooled Packaged Rooftop Units (AAON RND-050).....	142,479.95	9,931.63
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	3,133.25	
		For Factory Installed Non-Fused Disconnect, Add	3,393.94	
		For Hot Water Coil In Lieu Of Gas Heat, Add	4,762.54	
23 74 16 13-0084	EA	60 Ton, Air-Cooled Packaged Rooftop Units (AAON RND-060).....	156,519.04	11,935.37
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	3,133.25	
		For Factory Installed Non-Fused Disconnect, Add	3,393.94	
		For Hot Water Coil In Lieu Of Gas Heat, Add	4,762.54	
23 74 16 13-0085	EA	70 Ton, Air-Cooled Packaged Rooftop Units (AAON RND-070).....	164,711.48	12,915.53
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	3,133.25	
		For Factory Installed Non-Fused Disconnect, Add	3,393.94	
		For Hot Water Coil In Lieu Of Gas Heat, Add	4,762.54	

23 74 16 13-0086 **AAON RNE Rooftop Units** (23 74 16 13-0086)

Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (1 or 2) variable speed VFD controlled scroll compressor and (1 or 2) on/off compressor, VAV unit controller (varies fan speed and compressor capacity for energy savings year round), cooling only - no heat, factory installed economizer with powered exhaust fans with VFD's, (building static pressure control), Microchannel condenser coils with VFD controlled condenser fans, factory installed non-fused disconnect and factory start up. Excludes roof curb, items not specifically mentioned above. Excludes crane and associated personnel.

23 74 16 13-0087	EA	55 Ton, Air-Cooled Packaged Rooftop Units (AAON RNE-055).....	152,085.05	10,933.50
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	3,539.32	
		For Factory Installed Non-Fused Disconnect, Add	5,083.38	
		For Hot Water Coil In Lieu Of Gas Heat, Add	6,767.82	
23 74 16 13-0088	EA	65 Ton, Air-Cooled Packaged Rooftop Units (AAON RNE-065).....	167,536.71	12,436.37
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	3,539.32	
		For Factory Installed Non-Fused Disconnect, Add	5,083.38	
		For Hot Water Coil In Lieu Of Gas Heat, Add	6,767.82	
23 74 16 13-0089	EA	75 Ton, Air-Cooled Packaged Rooftop Units (AAON RNE-075).....	178,140.49	13,416.40
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	3,539.32	
		For Factory Installed Non-Fused Disconnect, Add	5,083.38	
		For Hot Water Coil In Lieu Of Gas Heat, Add	6,767.82	
23 74 16 13-0090	EA	95 Ton, Air-Cooled Packaged Rooftop Units (AAON RNE-090).....	215,638.24	18,164.42
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	3,539.32	
		For Factory Installed Non-Fused Disconnect, Add	5,083.38	
		For Hot Water Coil In Lieu Of Gas Heat, Add	6,767.82	
23 74 16 13-0091	EA	105 Ton, Air-Cooled Packaged Rooftop Units (AAON RNE-105).....	233,595.71	20,734.45
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	3,539.32	
		For Factory Installed Non-Fused Disconnect, Add	5,083.38	
		For Hot Water Coil In Lieu Of Gas Heat, Add	6,767.82	
23 74 16 13-0092	EA	120 Ton, Air-Cooled Packaged Rooftop Units (AAON RNE-120).....	272,363.25	22,825.30
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	3,539.32	
		For Factory Installed Non-Fused Disconnect, Add	5,083.38	
		For Hot Water Coil In Lieu Of Gas Heat, Add	6,767.82	
23 74 16 13-0093	EA	130 Ton, Air-Cooled Packaged Rooftop Units (AAON RNE-130).....	279,052.02	24,219.22
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	3,539.32	
		For Factory Installed Non-Fused Disconnect, Add	5,083.38	
		For Hot Water Coil In Lieu Of Gas Heat, Add	6,767.82	
23 74 16 13-0094	EA	140 Ton, Air-Cooled Packaged Rooftop Units (AAON RNE-140).....	292,508.11	27,094.18
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	3,539.32	
		For Factory Installed Non-Fused Disconnect, Add	5,083.38	
		For Hot Water Coil In Lieu Of Gas Heat, Add	6,767.82	

23 74 16 13-0095 **Heat Pump, Packaged Rooftop Heat Pump Units** (23 74 16 13)

See CSI section 01 22 23 00-0976 for crane lifting equipment, 26 28 16 16-0001 for disconnects.

23 74 16 13-0096 **Packaged Rooftop Heat Pump Units** (23 74 16 13-0096)

Note: Includes evaporator and condenser coils, electric heat, thermostatic expansion valve, compressor, evaporator and condenser fans, refrigerant charge, filter section with filter, operation and safety controls, motors, condensate drain pan, condenser coil guards, manual outside air damper, and roof curb. Excludes crane and associated personnel.

23 74 16 13-0097	EA	2 Ton Packaged Rooftop Heat Pump	6,940.48	1,568.15
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	242.48	
		For Economizer With Outside Air Control, Add	2,063.85	
		For Unit Without Roof Curb, Deduct	-764.13	
23 74 16 13-0098	EA	2.5 Ton Packaged Rooftop Heat Pump	7,310.48	1,685.82
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	253.14	
		For Economizer With Outside Air Control, Add	2,187.03	
		For Unit Without Roof Curb, Deduct	-764.13	
23 74 16 13-0099	EA	3 Ton Packaged Rooftop Heat Pump	7,733.75	1,803.37
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	266.46	
		For Economizer With Outside Air Control, Add	2,321.39	
		For Unit Without Roof Curb, Deduct	-764.13	
23 74 16 13-0100	EA	3.5 Ton Packaged Rooftop Heat Pump	8,299.53	1,940.56
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	285.60	
		For Economizer With Outside Air Control, Add	2,264.78	
		For Unit Without Roof Curb, Deduct	-764.13	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0101	EA	4 Ton Packaged Rooftop Heat Pump For Upgrade Of Economizer To OS Air Enthalpy Control, Add For Economizer With Outside Air Control, Add For Unit Without Roof Curb, Deduct	8,865.55 304.76 2,421.38 -764.13	2,077.86
23 74 16 13-0102	EA	5 Ton Packaged Rooftop Heat Pump For Economizer With Outside Air Control, Add For Upgrade Of Economizer To OS Air Enthalpy Control, Add For Unit Without Roof Curb, Deduct	9,502.73 2,598.70 260.93 -764.13	2,234.67
23 74 16 13-0103	EA	6 Ton Packaged Rooftop Heat Pump For Upgrade Of Economizer To OS Air Enthalpy Control, Add For Economizer With Outside Air Control, Add For Unit Without Roof Curb, Deduct	10,683.02 224.05 2,876.97 -764.13	2,411.01
23 74 16 13-0104	EA	7.5 Ton Packaged Rooftop Heat Pump For Upgrade Of Economizer To OS Air Enthalpy Control, Add For Economizer With Outside Air Control, Add For Unit Without Roof Curb, Deduct	13,692.47 309.63 2,924.28 -916.96	2,528.67
23 74 16 13-0105	EA	8.5 Ton Packaged Rooftop Heat Pump For Upgrade Of Economizer To OS Air Enthalpy Control, Add For Economizer With Outside Air Control, Add For Unit Without Roof Curb, Deduct	15,307.14 350.23 3,100.61 -916.96	2,724.63
23 74 16 13-0106	EA	10 Ton Packaged Rooftop Heat Pump For Economizer With Outside Air Control, Add For Upgrade Of Economizer To OS Air Enthalpy Control, Add For Unit Without Roof Curb, Deduct	16,449.66 3,150.39 253.72 -916.96	2,822.68
23 74 16 13-0107	EA	12.5 Ton Packaged Rooftop Heat Pump For Economizer With Outside Air Control, Add For Upgrade Of Economizer To OS Air Enthalpy Control, Add For Unit Without Roof Curb, Deduct	19,065.71 3,537.45 299.77 -916.96	3,057.90
23 74 16 13-0108	EA	15 Ton Packaged Rooftop Heat Pump For Economizer With Outside Air Control, Add For Upgrade Of Economizer To OS Air Enthalpy Control, Add For Unit Without Roof Curb, Deduct	21,681.77 3,924.51 345.82 -916.96	3,293.12
23 74 16 13-0109	EA	17.5 Ton Packaged Rooftop Heat Pump For Economizer With Outside Air Control, Add For Upgrade Of Economizer To OS Air Enthalpy Control, Add For Unit Without Roof Curb, Deduct	24,270.54 4,308.84 391.32 -916.96	3,528.34
23 74 16 13-0110	EA	20 Ton Packaged Rooftop Heat Pump For Economizer With Outside Air Control, Add For Upgrade Of Economizer To OS Air Enthalpy Control, Add For Unit Without Roof Curb, Deduct	26,859.29 4,693.17 436.82 -916.96	3,763.56
23 74 16 13-0111 Heating Only Packaged Rooftop Units (23 74 16 13-0095)				
Note: Includes throwaway filters, filter rack, manual outside air damper, roof curbs and electric heat. Units are shipped fully factory assembled in one piece, prewired and include start-up. Excludes crane and associated personnel. See CSI section 01 22 23 00-0976 for crane lifting equipment, 26 28 16 16-0001 for disconnects.				
23 74 16 13-0112	EA	24 MBH Electric Heating Only, Self Contained Package Rooftop Unit For Gas Heat, Add For Unit Without Roof Curb, Deduct	7,037.89 450.84 -764.13	1,568.15
23 74 16 13-0113	EA	32 MBH Electric Heating Only, Self Contained Package Rooftop Unit For Gas Heat, Add For Unit Without Roof Curb, Deduct	8,265.98 530.53 -764.13	1,803.37
23 74 16 13-0114	EA	45 MBH Electric Heating Only, Self Contained Package Rooftop Unit For Gas Heat, Add For Unit Without Roof Curb, Deduct	11,285.29 734.56 -764.13	2,077.86
23 74 16 13-0115	EA	60 MBH Electric Heating Only, Self Contained Package Rooftop Unit For Gas Heat, Add For Unit Without Roof Curb, Deduct	12,723.64 831.07 -764.13	2,234.67
23 74 16 13-0116	EA	95 MBH Electric Heating Only, Self Contained Package Rooftop Unit For Gas Heat, Add For Unit Without Roof Curb, Deduct	14,944.58 978.69 -916.96	2,528.67
23 74 16 13-0117	EA	112 MBH Electric Heating Only, Self Contained Package Rooftop Unit For Gas Heat, Add For Unit Without Roof Curb, Deduct	16,824.97 1,105.09 -916.96	2,724.63
23 74 16 13-0118	EA	140 MBH Electric Heating Only, Self Contained Package Rooftop Unit For Gas Heat, Add For Unit Without Roof Curb, Deduct	19,881.88 1,316.46 -916.96	2,822.68
23 74 16 13-0119	EA	170 MBH Electric Heating Only, Self Contained Package Rooftop Unit For Gas Heat, Add For Unit Without Roof Curb, Deduct	25,797.97 1,718.04 -916.96	3,293.12
23 74 16 13-0120	EA	200 MBH Electric Heating Only, Self Contained Package Rooftop Unit For Gas Heat, Add For Unit Without Roof Curb, Deduct	34,011.86 2,286.74 -916.96	3,528.34
23 74 16 13-0121	EA	230 MBH Electric Heating Only, Self Contained Package Rooftop Unit For Gas Heat, Add For Unit Without Roof Curb, Deduct	39,677.28 2,677.05 -916.96	3,763.56
23 74 16 13-0122	EA	270 MBH Electric Heating Only, Self Contained Package Rooftop Unit For Gas Heat, Add For Unit Without Roof Curb, Deduct	51,539.18 3,496.93 -916.96	4,155.60
23 74 16 13-0123	EA	330 MBH Electric Heating Only, Self Contained Package Rooftop Unit For Gas Heat, Add For Unit Without Roof Curb, Deduct	64,436.51 4,378.83 -1,407.35	5,288.15
23 74 16 13-0124	EA	360 MBH Electric Heating Only, Self Contained Package Rooftop Unit For Gas Heat, Add For Unit Without Roof Curb, Deduct	79,230.65 5,403.97 -1,407.35	5,331.72
23 74 16 13-0125	EA	450 MBH Electric Heating Only, Self Contained Package Rooftop Unit For Gas Heat, Add For Unit Without Roof Curb, Deduct	96,488.27 6,587.95 -1,407.35	6,233.46

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 74 Packaged Outdoor HVAC Equipment**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 74 16 13-0126	EA	540 MBH Electric Heating Only, Self Contained Package Rooftop Unit	125,142.00	8,036.84
		<i>For Gas Heat, Add</i>	8,545.63	
		<i>For Unit Without Roof Curb, Deduct</i>	-2,131.18	

23 74 23 Packaged, Outdoor, Heating-Only Makeup-Air Units (23 74 23)**23 74 23 13 Packaged, Direct-Fired, Outdoor, Heating-Only Makeup-Air Units (23 74 23)****23 74 23 13-0001 Make-Up Air Units (23 74 23 13)**

Note: Units are shipped fully factory assembled in one piece, prewired, prepiped, charged with refrigerant. Includes throwaway filters and start-up. Excludes crane and associated personnel. See CSI section 01 22 23 00-0976 for crane lifting equipment.

23 74 23 13-0002 Gas-Fired Electric Spark Make-Up Air Units (23 74 23 13-0001)

Note: With 2-position damper curb filter and thermostat with capillary. Excludes crane and associated personnel. See CSI section 01 22 23 00-0977 for crane lifting equipment.

23 74 23 13-0003	EA	100,000 BTU 1/2 HP, 1,200 CFM, Make-up Air Unit, Gas Fired, Electric Spark	8,137.16	522.72
		<i>For Equipment Base Roof Curb, Add</i>	991.01	
		<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	2,179.79	
23 74 23 13-0004	EA	300,000 BTU 1-1/2 HP, 3,500 CFM, Make-up Air Unit, Gas Fired, Electric Spark	10,526.66	592.41
		<i>For Equipment Base Roof Curb, Add</i>	1,285.92	
		<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	2,858.89	
23 74 23 13-0005	EA	500,000 BTU 2 HP, 4,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark	14,663.63	696.96
		<i>For Equipment Base Roof Curb, Add</i>	1,798.11	
		<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	4,050.61	
23 74 23 13-0006	EA	670,000 BTU 3 HP, 6,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark	14,779.06	743.42
		<i>For Equipment Base Roof Curb, Add</i>	1,809.92	
		<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	4,059.10	
23 74 23 13-0007	EA	800,000 BTU 5 HP, 7,500 CFM, Make-up Air Unit, Gas Fired, Electric Spark	20,219.32	836.35
		<i>For Equipment Base Roof Curb, Add</i>	2,485.60	
		<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	5,647.62	
23 74 23 13-0008	EA	1,200,000 BTU 10 HP, 10,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark	30,684.52	1,045.43
		<i>For Equipment Base Roof Curb, Add</i>	3,783.29	
		<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	8,682.64	

23 74 23 13-0009 Electric Make-Up Air Units (23 74 23 13-0001)

Note: With 2-position damper curb filter and thermostat with capillary. Excludes crane and associated personnel. See CSI section 01 22 23 00-0977 for crane lifting equipment.

23 74 23 13-0010	EA	33 KW, 1/2 HP, 1,200 CFM Make-up Air Unit, Electric	16,869.49	522.72
		<i>For Equipment Base Roof Curb, Add</i>	2,082.55	
		<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	4,799.49	
23 74 23 13-0011	EA	100 KW, 1-1/2 HP, 3,500 CFM Make-up Air Unit, Electric	24,154.95	592.41
		<i>For Equipment Base Roof Curb, Add</i>	2,989.46	
		<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	6,947.38	
23 74 23 13-0012	EA	150 KW, 2 HP, 4,000 CFM Make-up Air Unit, Electric	29,936.89	696.96
		<i>For Equipment Base Roof Curb, Add</i>	3,707.26	
		<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	8,632.59	
23 74 23 13-0013	EA	250 KW, 5 HP, 7,500 CFM Make-up Air Unit, Electric	38,743.49	836.35
		<i>For Equipment Base Roof Curb, Add</i>	4,801.12	
		<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	11,204.87	
23 74 23 13-0014	EA	400 KW, 10 HP, 10,000 CFM Make-up Air Unit, Electric	62,713.16	1,045.43
		<i>For Equipment Base Roof Curb, Add</i>	7,786.87	
		<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	18,291.23	

23 76 Evaporative Air-Cooling Equipment (23 76)**23 76 13 Direct Evaporative Air-Coolers (23 76)****23 76 13 00-0001 Residential Side Or Down Draft Evaporative Cooling Unit (23 76 13)**

Note: Includes motor, belt and pads.

23 76 13 00-0002	EA	3,000 CFM, 1/3 HP Residential Side Or Down Draft Evaporative Cooling Unit	1,777.56	488.24
23 76 13 00-0003	EA	4,300 CFM, 1/3 HP Residential Side Or Down Draft Evaporative Cooling Unit	2,096.08	569.61
23 76 13 00-0004	EA	4,400 CFM, 1/2 HP Residential Side Or Down Draft Evaporative Cooling Unit	2,669.63	650.99
23 76 13 00-0005	EA	5,000 CFM, 3/4 HP Residential Side Or Down Draft Evaporative Cooling Unit	2,917.96	732.36
23 76 13 00-0006	EA	6,000 CFM, 3/4 HP Residential Side Or Down Draft Evaporative Cooling Unit	3,337.47	813.74
23 76 13 00-0007	EA	7,000 CFM, 1 HP Residential Side Or Down Draft Evaporative Cooling Unit	3,602.91	895.11

23 76 13 00-0008 Industrial Side Draft/Side Discharge Evaporative Coolers (23 76 13)

Note: Excludes motor starter, piping, power wiring and equipment rigging.

23 76 13 00-0009	EA	7,500 CFM, 3/4 HP Industrial Side Or Down Draft Evaporative Cooling Unit	2,897.65	346.53
23 76 13 00-0010	EA	8,500 CFM, 1 HP Industrial Side Or Down Draft Evaporative Cooling Unit	2,990.35	357.75
23 76 13 00-0011	EA	9,500 CFM, 1 1/2 HP Industrial Side Or Down Draft Evaporative Cooling Unit	3,559.59	496.84
23 76 13 00-0012	EA	11,375 CFM, 2 HP Industrial Side Or Down Draft Evaporative Cooling Unit	7,627.80	586.48
23 76 13 00-0013	EA	13,020 CFM, 3 HP Industrial Side Or Down Draft Evaporative Cooling Unit	8,250.78	858.59
23 76 13 00-0014	EA	16,267 CFM, 3 HP Industrial Side Or Down Draft Evaporative Cooling Unit	9,453.90	915.83
23 76 13 00-0015	EA	15,438 CFM, 5 HP Industrial Side Or Down Draft Evaporative Cooling Unit	8,679.80	1,030.31
23 76 13 00-0016	EA	19,286 CFM, 5 HP Industrial Side Or Down Draft Evaporative Cooling Unit	10,293.88	1,287.89
23 76 13 00-0017	EA	17,672 CFM, 7-1/2 HP Industrial Side Or Down Draft Evaporative Cooling Unit	10,325.13	1,683.52
23 76 13 00-0018	EA	22,077 CFM, 7-1/2 HP Industrial Side Or Down Draft Evaporative Cooling Unit	11,496.52	1,717.18
23 76 13 00-0019	EA	24,301 CFM, 10 HP Industrial Side Or Down Draft Evaporative Cooling Unit	12,105.78	1,908.02
23 76 13 00-0020	EA	30,000 CFM, 20 HP Industrial Side Or Down Draft Evaporative Cooling Unit	16,232.71	2,981.26
23 76 13 00-0021	EA	35,000 CFM, 20 HP Industrial Side Or Down Draft Evaporative Cooling Unit	18,203.65	3,110.85
23 76 13 00-0022	EA	40,000 CFM, 30 HP Industrial Side Or Down Draft Evaporative Cooling Unit	20,198.17	3,252.23

Heating, Ventilating, and Air-Conditioning (HVAC)			23
Decentralized Unitary HVAC Equipment			23 80
Evaporative Air-Cooling Equipment			23 76
MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	

23 80 Decentralized Unitary HVAC Equipment ⁽²³⁾

Note: Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 23 05 29 00-0000 for hangers and supports, 26 05 19 16-0011 for electrical connection and termination, 26 05 83 00-0130 for terminations, 26 28 16 16-0001 for disconnect.

23 81 Decentralized Unitary HVAC Equipment ^(23 80)

23 81 13 Packaged Terminal Air-Conditioners ^(23 81)

Note: Units consists of fresh air intake, throwaway filters, exhaust, automatic thermostat, hermetically sealed compressor with 5 year guarantee, "sleeve-type" construction, condensing fan motor enclosed, fan to be aluminum, three wire ground cord, multi speed fan, exposed steel parts to be phosphate bonderized with baked enamel finish and copper tubes mechanically expanded into aluminum of evaporator and condensing coils. Includes equipment rigging. Efficiency Rating (ER) not less than 9.

23 81 13 11 Packaged Terminal Air-Conditioners, Through-Wall Units ^(23 81 13)

23 81 13 11-0001 Packaged Terminal Air-Conditioners ^(23 81 13 11)

23 81 13 11-0002 Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioners ^(23 81 13 11-0001)

23 81 13 11-0003	EA	7,200 BTU, 13 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner.....	2,266.66	305.15
		For >35 To 70, Deduct	-49.69	
		For >100, Deduct	-115.95	
		For >70 To 100, Deduct	-82.82	
23 81 13 11-0004	EA	9,400 BTU, 12.1 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner.....	2,213.55	264.78
		For >35 To 70, Deduct	-50.54	
		For >100, Deduct	-117.92	
		For >70 To 100, Deduct	-84.23	
23 81 13 11-0005	EA	11,800 BTU, 11.6 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner.....	2,342.96	282.18
		For >35 To 70, Deduct	-53.34	
		For >100, Deduct	-124.45	
		For >70 To 100, Deduct	-88.90	
23 81 13 11-0006	EA	14,500 BTU, 10.4 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner.....	2,531.92	303.32
		For >35 To 70, Deduct	-57.77	
		For >100, Deduct	-134.79	
		For >70 To 100, Deduct	-96.28	

23 81 13 11-0007 Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioners ^(23 81 13 11-0001)

23 81 13 11-0008	EA	7,200 BTU, 13 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	2,240.31	234.95
		For >35 To 70, Deduct	-53.14	
		For >100, Deduct	-123.99	
		For >70 To 100, Deduct	-88.56	
23 81 13 11-0009	EA	9,400 BTU, 12.1 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	2,363.34	264.78
		For >35 To 70, Deduct	-55.03	
		For >100, Deduct	-128.41	
		For >70 To 100, Deduct	-91.72	
23 81 13 11-0010	EA	11,800 BTU, 11.6 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	2,451.51	282.18
		For >35 To 70, Deduct	-56.59	
		For >100, Deduct	-132.05	
		For >70 To 100, Deduct	-94.32	
23 81 13 11-0011	EA	14,500 BTU, 10.4 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	2,675.20	303.32
		For >35 To 70, Deduct	-62.06	
		For >100, Deduct	-144.82	
		For >70 To 100, Deduct	-103.44	

23 81 13 11-0012 Packaged Terminal Air-Conditioners, Through-Wall Unit Sleeve ^(23 81 13 11)

Note: Includes wall case, exterior grille, weather panel and steel closure panels. Includes bolts, nuts, washers, caulking and lintel supports. Not for use with new A/C units where wall sleeve is provided. Excludes cutting opening for unit or patching masonry or concrete.

23 81 13 11-0013	EA	Up To 10,000 BTU Unit, Thru Wall A/C Sleeve	118.35	
23 81 13 11-0014	EA	>10,000 To 20,000 BTU Unit, Thru Wall A/C Sleeve	132.65	
23 81 13 11-0015	EA	>20,000 To 30,000 BTU Unit, Thru Wall A/C Sleeve	146.95	

23 81 13 11-0016 Removal And Reinstallation Of Packaged Terminal Air-Conditioners, Through-Wall Units ^(23 81 13 11)

Note: Includes storage and cleaning.

23 81 13 11-0017	EA	Removal And Reinstallation Of Packaged Terminal Air-Conditioners, Through-Wall Units	325.50	
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23 81 13 13 Packaged Terminal Air-Conditioners, Outdoor, Wall-Mounted Units ^(23 81 13)

23 81 13 13-0001 Single Package Vertical Wall Cooling Unit ^(23 81 13 13)

Note: Air-to-air type with electric heat. Includes throwaway filters. Wall units are wired for 230/208 Volt, 1 phase, 60 HZ. With solid state electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls, insulated steel cabinet, with wall sleeve and outdoor grille and stainless steel drain pan. Excludes crane and associated personnel. See CSI section 01 22 23 00-0977 for crane lifting equipment.

23 81 13 13-0002	EA	1/2 Ton Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat.....	5,391.00	370.72
23 81 13 13-0003	EA	1 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat.....	8,221.77	388.37
23 81 13 13-0004	EA	1-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat.....	10,698.73	406.03
23 81 13 13-0005	EA	2 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat.....	12,290.37	441.34
23 81 13 13-0006	EA	2-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat.....	15,393.59	511.95
23 81 13 13-0007	EA	3 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat.....	16,561.35	635.52
23 81 13 13-0008	EA	3-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat.....	18,341.34	706.13
23 81 13 13-0009	EA	4 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat.....	20,201.38	794.41

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 81 Decentralized Unitary HVAC Equipment**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 81 13 13-0010	EA	5 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat.....	22,760.65	953.28
23 81 13 13-0011	EA	7-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat.....	29,401.43	1,182.78
23 81 13 13-0012	EA	10 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat.....	35,159.19	1,588.82
23 81 13 13-0013	EA	15 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat.....	49,151.94	1,941.88
23 81 13 13-0014	EA	20 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat.....	56,660.30	2,312.60
23 81 13 13-0015	EA	25 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat.....	67,632.24	2,595.06

23 81 16 Room Air-Conditioners (23 81)

Note: Units consists of fresh air intake, throwaway filters, exhaust, automatic thermostat, hermetically sealed compressor with 5 year guarantee, "sleeve-type" construction, condensing fan motor enclosed, fan to be aluminum, three wire ground cord, multi speed fan, exposed steel parts to be phosphate bonderized with baked enamel finish and copper tubes mechanically expanded into aluminum of evaporator and condensing coils. Includes equipment rigging. Efficiency Rating (ER) not less than 9.

23 81 16 00-0001 Window Unit, Room Air-Conditioners (23 81 16)**23 81 16 00-0002 Cooling Only, Window Unit, Room Air-Conditioners (23 81 16 00-0001)****23 81 16 00-0003 Cooling Only, Window Unit, Room Air-Conditioners (Frigidaire) (23 81 16 00-0002)**

23 81 16 00-0004	EA	5,000 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0533Q1)	601.35	170.88
		For>75 To 100, Deduct	-25.96	
		For>100, Deduct	-31.15	
		For>10 To 50, Deduct	-12.98	
		For>50 To 75, Deduct	-18.17	
23 81 16 00-0005	EA	6,000 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0633Q1)	627.43	170.88
		For>75 To 100, Deduct	-28.57	
		For>100, Deduct	-34.28	
		For>10 To 50, Deduct	-14.28	
		For>50 To 75, Deduct	-20.00	
23 81 16 00-0006	EA	8,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0833U1)	692.65	170.88
		For>75 To 100, Deduct	-35.09	
		For>100, Deduct	-42.11	
		For>10 To 50, Deduct	-17.54	
		For>50 To 75, Deduct	-24.56	
23 81 16 00-0007	EA	10,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1033U1)	783.96	170.88
		For>75 To 100, Deduct	-44.22	
		For>100, Deduct	-53.06	
		For>10 To 50, Deduct	-22.11	
		For>50 To 75, Deduct	-30.95	
23 81 16 00-0008	EA	12,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1233Q1)	901.36	170.88
		For>75 To 100, Deduct	-55.96	
		For>100, Deduct	-67.15	
		For>10 To 50, Deduct	-27.98	
		For>50 To 75, Deduct	-39.17	
23 81 16 00-0009	EA	15,100 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1533Q1)	1,031.80	170.88
		For>75 To 100, Deduct	-69.00	
		For>100, Deduct	-82.80	
		For>10 To 50, Deduct	-34.50	
		For>50 To 75, Deduct	-48.30	
23 81 16 00-0010	EA	8,000 BTU, 10.9 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRE0833Q1)	979.62	170.88
		For>75 To 100, Deduct	-63.79	
		For>100, Deduct	-76.54	
		For>10 To 50, Deduct	-31.89	
		For>50 To 75, Deduct	-44.65	
23 81 16 00-0011	EA	10,000 BTU, 9.5 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRE1022Q1)	1,044.84	170.88
		For>75 To 100, Deduct	-70.31	
		For>100, Deduct	-84.37	
		For>10 To 50, Deduct	-35.15	
		For>50 To 75, Deduct	-49.21	
23 81 16 00-0012	EA	12,000 BTU, 9.5 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRE1222Q1)	1,097.02	170.88
		For>75 To 100, Deduct	-75.53	
		For>100, Deduct	-90.63	
		For>10 To 50, Deduct	-37.76	
		For>50 To 75, Deduct	-52.87	
23 81 16 00-0013	EA	18,500 BTU, 11.2 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1833Q2)	1,149.19	170.88
		For>75 To 100, Deduct	-80.74	
		For>100, Deduct	-96.89	
		For>10 To 50, Deduct	-40.37	
		For>50 To 75, Deduct	-56.52	
23 81 16 00-0014	EA	22,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE2233S2)	1,253.55	170.88
		For>75 To 100, Deduct	-91.18	
		For>100, Deduct	-109.41	
		For>10 To 50, Deduct	-45.59	
		For>50 To 75, Deduct	-63.82	
23 81 16 00-0015	EA	25,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE2533S2)	1,266.59	170.88
		For>75 To 100, Deduct	-92.48	
		For>100, Deduct	-110.98	
		For>10 To 50, Deduct	-46.24	
		For>50 To 75, Deduct	-64.74	
23 81 16 00-0016	EA	28,000 BTU, 9.0 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRA2822R2)	2,068.41	170.88
		For>75 To 100, Deduct	-172.66	
		For>100, Deduct	-207.20	
		For>10 To 50, Deduct	-86.33	
		For>50 To 75, Deduct	-120.86	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 16 00-0017			Cooling Only, Window Unit, Room Air-Conditioners (Friedrich Kuhl) (23 81 16 00-0002)		
23 81 16 00-0018	EA		8,000 BTU, 12.2 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS08N10C)	2,188.83	170.88
23 81 16 00-0019	EA		10,000 BTU, 12.2 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS10N10C)	2,394.26	170.88
23 81 16 00-0020	EA		11,900 BTU, 12.2 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS12N10C)	2,487.64	170.88
23 81 16 00-0021	EA		12,000 BTU, 12.2 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS12N30C)	2,524.99	170.88
23 81 16 00-0022	EA		20,000 BTU, 10.4 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SM18N30C)	2,861.16	170.88
23 81 16 00-0023	EA		24,000 BTU, 10.4 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL24N30C)	3,701.58	170.88
23 81 16 00-0024	EA		28,000 BTU, 10.0 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL28N30C)	3,981.72	170.88
23 81 16 00-0025	EA		36,000 BTU, 9.0 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL36N30B)	4,355.24	170.88
23 81 16 00-0026			Heating And Cooling, Window Unit, Room Air-Conditioners (23 81 16 00-0001)		
23 81 16 00-0027			Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioners (Frigidaire) (23 81 16 00-0026)		
23 81 16 00-0028	EA		8,000 BTU, 9.8 EER, 115 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH0822R1)	1,097.02	170.88
			For >75 To 100, Deduct	-75.53	
			For >100, Deduct	-90.63	
			For >10 To 50, Deduct	-37.76	
			For >50 To 75, Deduct	-52.87	
23 81 16 00-0029	EA		12,000 BTU, 10.9 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH1222R2)	1,240.50	170.88
			For >75 To 100, Deduct	-89.87	
			For >100, Deduct	-107.85	
			For >10 To 50, Deduct	-44.94	
			For >50 To 75, Deduct	-62.91	
23 81 16 00-0030	EA		18,500 BTU, 10.7 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH1822R2)	1,318.77	170.88
			For >75 To 100, Deduct	-97.70	
			For >100, Deduct	-117.24	
			For >10 To 50, Deduct	-48.85	
			For >50 To 75, Deduct	-68.39	
23 81 16 00-0031	EA		25,000 BTU, 9.4 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH2522R2)	1,605.73	170.88
			For >75 To 100, Deduct	-126.40	
			For >100, Deduct	-151.68	
			For >10 To 50, Deduct	-63.20	
			For >50 To 75, Deduct	-88.48	
23 81 16 00-0032			Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioners (Friedrich) (23 81 16 00-0026)		
23 81 16 00-0033	EA		12,000 BTU, 11.3 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Friedrich ES12N33B)	2,618.37	170.88
23 81 16 00-0034			Accessories (23 81 16 00-0001)		
23 81 16 00-0035	SET		Aluminum Air Conditioner Unit Frame And Bracket Assembly	627.12	68.37
23 81 16 00-0036			Removal And Reinstallation Of Room Air-Conditioners (23 81 16)		
			Note: Includes storage and cleaning.		
23 81 16 00-0037	EA		Removal And Reinstallation Of Room Air-Conditioning Unit In Window Lower Sash	203.43	
23 81 16 00-0038	EA		Removal And Reinstallation Of Room Air-Conditioning Unit In Window Upper Sash	427.53	
23 81 16 00-0039			Through-The-Wall, Room Air-Conditioners (23 81 16)		
			Note: Base unit excludes wall sleeve.		
23 81 16 00-0040			Cooling Only, Through-The-Wall, Room Air-Conditioners (23 81 16 00-0039)		
23 81 16 00-0041			Cooling Only, Through-The-Wall, Room Air-Conditioners (Friedrich) (23 81 16 00-0040)		
23 81 16 00-0042	EA		8,000 BTU, 10.7 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS08D10A)	1,642.95	122.06
			For >75 To 100, Deduct	-139.88	
			For >100, Deduct	-167.86	
			For >10 To 50, Deduct	-69.94	
			For >50 To 75, Deduct	-97.92	
			For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	321.64	
23 81 16 00-0043	EA		9,800 BTU, 10.7 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS10D10B)	1,773.68	122.06
			For >75 To 100, Deduct	-152.96	
			For >100, Deduct	-183.55	
			For >10 To 50, Deduct	-76.48	
			For >50 To 75, Deduct	-107.07	
			For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	321.64	
23 81 16 00-0044	EA		12,000 BTU, 9.8 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS12D10A)	2,016.47	122.06
			For >75 To 100, Deduct	-177.24	
			For >100, Deduct	-212.68	
			For >10 To 50, Deduct	-88.62	
			For >50 To 75, Deduct	-124.06	
			For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	321.64	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 81 Decentralized Unitary HVAC Equipment**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
23 81 16 00-0045	EA 10,000 BTU, 10.7 EER, 230/208 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS10D30A).....	1,773.68		122.06
	For >75 To 100, Deduct	-152.96		
	For >100, Deduct	-183.55		
	For >10 To 50, Deduct	-76.48		
	For >50 To 75, Deduct	-107.07		
	For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	321.64		
23 81 16 00-0046	EA 12,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS12D30A).....	2,016.47		122.06
	For >75 To 100, Deduct	-177.24		
	For >100, Deduct	-212.68		
	For >10 To 50, Deduct	-88.62		
	For >50 To 75, Deduct	-124.06		
	For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	321.64		
23 81 16 00-0047	Heating And Cooling, Through-The-Wall, Room Air-Conditioners (23 81 16 00-0039)			
23 81 16 00-0048	Electric Heat, Heating And Cooling, Through-The-Wall, Room Air-Conditioners (Friedrich) (23 81 16 00-0047)			
23 81 16 00-0049	EA 10,000 BTU, 9.8 EER, 230/208 Volt, Heating And Cooling, Through-The-Wall, Room Air-Conditioner (Friedrich WE10D33).....	2,072.50		122.06
	For >75 To 100, Deduct	-182.84		
	For >100, Deduct	-219.41		
	For >10 To 50, Deduct	-91.42		
	For >50 To 75, Deduct	-127.99		
	For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	321.64		
23 81 16 00-0050	EA 12,000 BTU, 9.8 EER, 230/208 Volt, Heating And Cooling, Through-The-Wall, Room Air-Conditioner (Friedrich WE12D33).....	2,221.91		122.06
	For >75 To 100, Deduct	-197.78		
	For >100, Deduct	-237.33		
	For >10 To 50, Deduct	-98.89		
	For >50 To 75, Deduct	-138.45		
	For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	321.64		
23 81 23	Computer-Room Air-Conditioners (23 81)			
	Note: Includes equipment rigging. Indoor units include filters.			
23 81 23 12	Large-Capacity, Computer-Room Air-Conditioners, Floor Mounted Units (23 81 23)			
23 81 23 12-0001	Floor Mounted Air-Cooled Direct Expansion Type (23 81 23 12)			
	Note: Includes compressor sequence switch, mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand, and outdoor air-cooled condenser complete with fan speed control. Excludes precharged copper pipe.			
23 81 23 12-0002	EA 3 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type.....	42,150.43		3,473.67
	Note: Includes interior unit and remote condenser. Excludes piping.			
	For Liebert Unit, Add	4,616.77		
23 81 23 12-0003	EA 5 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type.....	46,516.57		3,799.32
	Note: Includes interior unit and remote condenser. Excludes piping.			
	For Liebert Unit, Add	5,098.26		
23 81 23 12-0004	EA 6 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type.....	64,102.31		4,342.09
	Note: Includes interior unit and remote condenser. Excludes piping.			
	For Liebert Unit, Add	7,205.51		
23 81 23 12-0005	EA 8 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type.....	70,125.38		4,613.47
	Note: Includes interior unit and remote condenser. Excludes piping.			
	For Liebert Unit, Add	7,907.94		
23 81 23 12-0006	EA 10 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type.....	76,148.44		4,884.85
	Note: Includes interior unit and remote condenser. Excludes piping.			
	For Liebert Unit, Add	8,610.37		
23 81 23 12-0007	EA 16 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type.....	85,454.27		5,861.81
	Note: Includes interior unit and remote condenser. Excludes piping.			
	For Liebert Unit, Add	9,576.17		
23 81 23 12-0008	EA 20 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type.....	96,493.43		6,513.13
	Note: Includes interior unit and remote condenser. Excludes piping.			
	For Liebert Unit, Add	10,850.76		
23 81 23 12-0009	EA 22 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type.....	100,941.29		6,727.95
	Note: Includes interior unit and remote condenser. Excludes piping.			
	For Liebert Unit, Add	11,360.44		
23 81 23 12-0010	EA 24 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type.....	109,799.47		6,947.33
	Note: Includes interior unit and remote condenser. Excludes piping.			
	For Liebert Unit, Add	12,420.87		
23 81 23 12-0011	EA 30 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type.....	118,824.43		7,815.75
	Note: Includes interior unit and remote condenser. Excludes piping.			
	For Liebert Unit, Add	13,399.96		
23 81 23 12-0012	Floor Mounted Chilled Water Type (23 81 23 12)			
	Note: Includes mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand. Excludes chilled water source. See CSI section 23 81 23 12-0020 for chilled water source.			
23 81 23 12-0013	EA 3 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source.....	25,209.07		2,380.18
	For Liebert Unit, Add	2,754.44		
23 81 23 12-0014	EA 5 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source.....	27,120.00		2,636.50
	For Liebert Unit, Add	2,950.59		
23 81 23 12-0015	EA 12 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source.....	33,828.69		4,015.77
	For Liebert Unit, Add	3,559.29		
23 81 23 12-0016	EA 16 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source.....	35,318.77		4,068.68
	For Liebert Unit, Add	3,736.81		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 23 12-0017	EA	20 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	36,685.11	4,231.42
		For Liebert Unit, Add	3,877.69	
23 81 23 12-0018	EA	22 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	37,656.75	4,638.29
		For Liebert Unit, Add	3,934.04	
23 81 23 12-0019	EA	31 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	39,988.96	5,045.15
		For Liebert Unit, Add	4,159.46	
23 81 23 12-0020		Floor Mounted Water Source (23 81 23 12)		
		Note: Includes mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand. Excludes water source.		
23 81 23 12-0021	EA	3 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit.....	19,745.06	2,171.04
		For Liebert Unit, Add	2,062.56	
23 81 23 12-0022	EA	5 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit.....	21,685.09	2,279.60
		For Liebert Unit, Add	2,284.69	
23 81 23 12-0023	EA	6 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit.....	27,875.53	2,388.15
		For Liebert Unit, Add	3,038.32	
23 81 23 12-0024	EA	8 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit.....	30,059.14	2,605.25
		For Liebert Unit, Add	3,268.37	
23 81 23 12-0025	EA	9 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit.....	31,618.34	2,714.13
		For Liebert Unit, Add	3,442.90	
23 81 23 12-0026	EA	10 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit.....	33,177.56	2,822.36
		For Liebert Unit, Add	3,617.42	
23 81 23 12-0027	EA	12 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit.....	34,526.31	3,039.46
		For Liebert Unit, Add	3,744.35	
23 81 23 12-0028	EA	16 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit.....	36,067.69	3,256.56
		For Liebert Unit, Add	3,903.01	
23 81 23 12-0029	EA	20 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit.....	37,192.24	3,473.67
		For Liebert Unit, Add	4,005.25	
23 81 23 12-0030	EA	25 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit.....	42,550.40	4,124.98
		For Liebert Unit, Add	4,548.22	
23 81 23 12-0031		Floor Mounted Glycol System Type (23 81 23 12)		
		Note: Includes mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand. Excludes chilled water source. See CSI section 23 81 23 12-0020 for water source.		
23 81 23 12-0032	EA	3 Ton Computer Room Air Conditioner, Glycol System Type.....	50,417.56	2,380.18
		For Drycooler, Add	18,122.18	
		Note: Installation is externally mounted.		
		For Integrated Fluid Econocoil (Economizer Functionality), Add	8,700.00	
23 81 23 12-0033	EA	5 Ton Computer Room Air Conditioner, Glycol System Type.....	54,274.68	2,636.50
		For Drycooler, Add	19,523.44	
		Note: Installation is externally mounted.		
		For Integrated Fluid Econocoil (Economizer Functionality), Add	8,700.00	
23 81 23 12-0034	EA	6 Ton Computer Room Air Conditioner, Glycol System Type.....	70,859.49	2,953.86
		For Drycooler, Add	25,391.59	
		Note: Installation is externally mounted.		
		For Integrated Fluid Econocoil (Economizer Functionality), Add	8,700.00	
23 81 23 12-0035	EA	8 Ton Computer Room Air Conditioner, Glycol System Type.....	81,940.99	3,271.22
		For Drycooler, Add	29,333.59	
		Note: Installation is externally mounted.		
		For Integrated Fluid Econocoil (Economizer Functionality), Add	8,700.00	
23 81 23 12-0036	EA	9 Ton Computer Room Air Conditioner, Glycol System Type.....	86,564.39	3,429.89
		For Drycooler, Add	30,983.52	
		Note: Installation is externally mounted.		
		For Integrated Fluid Econocoil (Economizer Functionality), Add	8,700.00	
23 81 23 12-0037	EA	10 Ton Computer Room Air Conditioner, Glycol System Type.....	92,424.92	3,588.56
		For Drycooler, Add	33,066.44	
		Note: Installation is externally mounted.		
		For Integrated Fluid Econocoil (Economizer Functionality), Add	8,700.00	
23 81 23 12-0038	EA	12 Ton Computer Room Air Conditioner, Glycol System Type.....	98,671.73	3,748.06
		For Drycooler, Add	35,284.56	
		Note: Installation is externally mounted.		
		For Integrated Fluid Econocoil (Economizer Functionality), Add	8,700.00	
23 81 23 12-0039	EA	15 Ton Computer Room Air Conditioner, Glycol System Type.....	105,917.50	3,889.65
		For Drycooler, Add	37,852.31	
		Note: Installation is externally mounted.		
		For Integrated Fluid Econocoil (Economizer Functionality), Add	8,700.00	
23 81 23 12-0040	EA	16 Ton Computer Room Air Conditioner, Glycol System Type.....	112,778.92	4,068.68
		For Drycooler, Add	40,290.42	
		Note: Installation is externally mounted.		
		For 10 HP Glycol Pump, Add	21,500.00	
		For Remote Pump Control Panel, Add	7,630.00	
		For Integrated Fluid Econocoil (Economizer Functionality), Add	8,700.00	
23 81 23 12-0041	EA	20 Ton Computer Room Air Conditioner, Glycol System Type.....	123,650.61	4,231.42
		For Drycooler, Add	44,127.25	
		Note: Installation is externally mounted.		
		For 10 HP Glycol Pump, Add	21,500.00	
		For Remote Pump Control Panel, Add	7,630.00	
		For Integrated Fluid Econocoil (Economizer Functionality), Add	8,700.00	
23 81 23 12-0042	EA	22 Ton Computer Room Air Conditioner, Glycol System Type.....	128,236.38	4,638.29
		For Drycooler, Add	45,810.40	
		Note: Installation is externally mounted.		
		For 10 HP Glycol Pump, Add	21,500.00	
		For Remote Pump Control Panel, Add	7,630.00	
		For Integrated Fluid Econocoil (Economizer Functionality), Add	8,700.00	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 81 Decentralized Unitary HVAC Equipment**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
23 81 23 12-0043	EA	30 Ton Computer Room Air Conditioner, Glycol System Type	.....	156,182.90	5,045.15
		For Drycooler, Add	.....	55,671.01	
		Note: Installation is externally mounted.			
		For 10 HP Glycol Pump, Add	.....	21,500.00	
		For Remote Pump Control Panel, Add	.....	7,630.00	
		For Integrated Fluid Econocoil (Economizer Functionality), Add	.....	8,700.00	
23 81 23 12-0044		Removal And Reinstallation Of Computer Room Unit (23 81 23 12)			
		Note: Includes storage and cleaning. Excludes main mechanical piping. Reconnection of existing valves are included.			
23 81 23 12-0045	EA	Removal And Reinstallation Up To 6 Ton, Floor Mounted Chilled Water Computer Room Unit	.....	3,254.94	
23 81 23 12-0046	EA	Removal And Reinstallation Up To 6 Ton Direct Expansion Computer Room Unit	.....	2,712.45	
23 81 23 13		Computer-Room Air-Conditioners, Ceiling Mounted Units (23 81 23)			
23 81 23 13-0001		Ceiling Mounted Packaged Computer Room Air Conditioner (23 81 23 13)			
		Note: Includes compressor sequence switch, mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquid sensors, floor stand, and outdoor air-cooled condenser complete with fan speed control.			
23 81 23 13-0002	EA	1 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System	.....	16,595.76	1,031.82
		For Liebert Unit, Add	.....	1,881.09	
23 81 23 13-0003	EA	1.5 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System	.....	18,385.19	1,239.15
		For Liebert Unit, Add	.....	2,065.92	
23 81 23 13-0004	EA	2 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System	.....	21,047.51	1,550.82
		For Liebert Unit, Add	.....	2,340.32	
23 81 23 13-0005	EA	3 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System	.....	25,825.47	1,809.26
		For Liebert Unit, Add	.....	2,889.13	
23 81 23 13-0006	EA	5 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System	.....	34,842.23	1,966.47
		For Liebert Unit, Add	.....	3,986.74	
23 81 26		Split-System Air-Conditioners (23 81)			
23 81 26 13		Small-Capacity Split-System Air-Conditioners (23 81 26)			
23 81 26 13-0001		Split System A/C Unit (23 81 26 13)			
		See CSI section 23 23 16 00-0001 for piping.			
23 81 26 13-0002		Ductless Split System Air Conditioners (23 81 26 13-0001)			
		Note: Excludes refrigerant piping, electrical, and pad. Panasonic units or equal. See CSI section 23 81 49 00-0025 for ductless heat pumps.			
23 81 26 13-0003		Wall Mounted Ductless Split System Air Conditioners (23 81 26 13-0002)			
23 81 26 13-0004	EA	9,000 BTU, 16 SEER, Wall Mounted Ductless Split System Air Conditioners	.....	2,531.33	537.06
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.			
23 81 26 13-0005	EA	11,900 BTU, 17 SEER, Wall Mounted Ductless Split System Air Conditioners	.....	2,751.23	585.88
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.			
23 81 26 13-0006	EA	17,500 BTU, 20 SEER, Wall Mounted Ductless Split System Air Conditioners	.....	3,390.68	650.99
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.			
23 81 26 13-0007	EA	24,200 BTU, 17 SEER, Wall Mounted Ductless Split System Air Conditioners	.....	3,769.78	716.09
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.			
23 81 26 13-0008	EA	25,200 BTU, 14.9 SEER, Wall Mounted Ductless Split System Air Conditioners	.....	5,577.77	781.19
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.			
23 81 26 13-0009	EA	29,800 BTU, 15 SEER, Wall Mounted Ductless Split System Air Conditioners	.....	6,426.10	813.74
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.			
23 81 26 13-0010	EA	31,400 BTU, 15.9 SEER, Wall Mounted Ductless Split System Air Conditioners	.....	7,032.94	867.44
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.			
23 81 26 13-0011		Dual and Tri Zone Wall Mounted Ductless Split System Air Conditioners (23 81 26 13-0002)			
		Note: Use this section only when matching indoor and outdoor capacity units are not used.			
23 81 26 13-0012	EA	7,500 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners	.....	1,109.75	260.40
		Note: Includes indoor unit and wireless thermostat.			
23 81 26 13-0013	EA	9,000 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners	.....	1,176.48	276.67
		Note: Includes indoor unit and wireless thermostat.			
23 81 26 13-0014	EA	11,900 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners	.....	1,244.10	292.95
		Note: Includes indoor unit and wireless thermostat.			
23 81 26 13-0015	EA	17,500 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners	.....	1,393.42	309.22
		Note: Includes indoor unit and wireless thermostat.			
23 81 26 13-0016	EA	24,200 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners	.....	1,488.87	325.50
		Note: Includes indoor unit and wireless thermostat.			
23 81 26 13-0017	EA	19,700 BTU, 16.5 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners	.....	2,865.34	390.59
		Note: Includes outdoor unit and refrigerant charge.			
23 81 26 13-0018	EA	25,400 BTU, 16.2 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners	.....	3,166.66	423.14
		Note: Includes outdoor unit and refrigerant charge.			
23 81 26 13-0019	EA	30,600 BTU, 17.6 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners	.....	4,850.48	455.69
		Note: Includes outdoor unit and refrigerant charge.			
23 81 26 13-0020		Suspended Ceiling Mounted Ductless Split System Air Conditioners (23 81 26 13-0002)			
		Note: Excludes hangers.			
23 81 26 13-0021	EA	24,400 BTU, 14.5 SEER, Ceiling Suspended Ductless Split System Air Conditioners	.....	5,930.88	781.19
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.			
23 81 26 13-0022	EA	31,200 BTU, 15.1 SEER, Ceiling Suspended Ductless Split System Air Conditioners	.....	7,229.44	932.54
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.			

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 26 13-0023	EA	39,000 BTU, 15.6 SEER, Ceiling Suspended Ductless Split System Air Conditioners..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	8,703.85	976.48
23 81 26 13-0024		Recessed Ceiling Mounted Ductless Split System Air Conditioners (23 81 26 13-0002) Note: Excludes hangers.		
23 81 26 13-0025	EA	11,900 BTU, 16 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,754.26	650.99
23 81 26 13-0026	EA	17,500 BTU, 16 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	4,354.21	716.09
23 81 26 13-0027	EA	24,800 BTU, 14.1 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,958.96	846.28
23 81 26 13-0028	EA	32,600 BTU, 14.6 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,870.35	932.54
23 81 26 13-0029	EA	39,500 BTU, 14.6 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	8,524.30	976.48
23 81 26 13-0030		Ductless Split System Accessories (23 81 26 13-0002)		
23 81 26 13-0031	LF	3" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	16.37	2.33
23 81 26 13-0032	LF	4" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	20.79	2.57
23 81 26 13-0033	LF	6" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	25.67	2.82
23 81 26 13-0034	EA	3" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers	27.75	4.38
23 81 26 13-0035	EA	4" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers	46.00	4.81
23 81 26 13-0036	EA	6" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers	52.30	5.29
23 81 26 13-0037	EA	3" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	67.61	8.75
23 81 26 13-0038	EA	4" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	108.95	9.62
23 81 26 13-0039	EA	6" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	121.53	10.59
23 81 26 13-0040	EA	3" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	88.72	9.33
23 81 26 13-0041	EA	4" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	103.63	10.27
23 81 26 13-0042	EA	6" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	157.53	11.29
23 81 26 13-0043	EA	3" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	67.61	8.75
23 81 26 13-0044	EA	4" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	108.95	9.62
23 81 26 13-0045	EA	6" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	121.53	10.59
23 81 26 13-0046	EA	3" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	90.11	14.59
23 81 26 13-0047	EA	4" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	128.39	16.04
23 81 26 13-0048	EA	6" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	152.60	17.65
23 81 26 13-0049	EA	2-1/2" Wall Sleeve, Rigid Polyvinyl Chloride (PVC) Line Set Covers	47.51	2.91
23 81 26 13-0050	EA	3" x 20" Flexible Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers	55.52	8.75
23 81 26 13-0051	EA	4" x 20" Flexible Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers	87.19	9.62
23 81 26 13-0052	EA	3" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers	50.68	8.75
23 81 26 13-0053	EA	4" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers	67.84	9.62
23 81 26 13-0054	EA	6" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers	73.17	10.59
23 81 26 13-0055	EA	4" T Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers	226.37	11.66
23 81 26 13-0056	EA	6" T Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers	256.50	12.84
23 81 26 13-0057	EA	14" Condensing Unit Mounting Blocks With End Caps	166.40	43.75
23 81 26 13-0058	EA	17" Condensing Unit Mounting Blocks With End Caps	182.50	46.67
23 81 26 13-0059	EA	36" Condensing Unit Mounting Blocks With End Caps	239.70	49.58
23 81 26 13-0060	EA	End Cap, Set of 4	24.16	
23 81 26 13-0061	EA	18" Condensing Unit Type 2 Wall Bracket, 165 Lb. Capacity	349.90	87.50
23 81 26 13-0062	EA	21" Condensing Unit Type 2 Wall Bracket, 220 Lb. Capacity	371.71	93.33
23 81 26 13-0063	LF	5/8" ID Condensate Drain Line	3.39	0.23
23 81 26 13-0064	LF	3/4" ID Condensate Drain Line	3.50	0.23
23 81 26 13-0065		Cased A/C Evaporator Coils (23 81 26 13-0001)		
23 81 26 13-0066		Vertical Cased A/C Evaporator Coils (23 81 26 13-0065)		
23 81 26 13-0067	EA	1-1/2 Ton Vertical Cased A/C Evaporator Coil	831.82	124.31
23 81 26 13-0068	EA	2 Ton Vertical Cased A/C Evaporator Coil	866.79	133.63
23 81 26 13-0069	EA	2-1/2 Ton Vertical Cased A/C Evaporator Coil	1,034.74	142.95
23 81 26 13-0070	EA	3 Ton Vertical Cased A/C Evaporator Coil	1,181.71	152.28
23 81 26 13-0071	EA	3-1/2 Ton Vertical Cased A/C Evaporator Coil	1,371.44	158.49
23 81 26 13-0072	EA	4 Ton Vertical Cased A/C Evaporator Coil	1,533.16	164.71
23 81 26 13-0073	EA	4-1/2 Ton Vertical Cased A/C Evaporator Coil	1,646.68	177.14
23 81 26 13-0074	EA	5 Ton Vertical Cased A/C Evaporator Coil	1,656.01	186.46
23 81 26 13-0075		"A" Style Horizontal Cased A/C Evaporator Coils (23 81 26 13-0065)		
23 81 26 13-0076	EA	2 Ton "A" Style Horizontal Cased A/C Evaporator Coil	1,024.67	127.42
23 81 26 13-0077	EA	2-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil	1,181.21	134.57
23 81 26 13-0078	EA	3 Ton "A" Style Horizontal Cased A/C Evaporator Coil	1,355.45	142.95
23 81 26 13-0079	EA	3-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil	1,404.33	148.11
23 81 26 13-0080	EA	4 Ton "A" Style Horizontal Cased A/C Evaporator Coil	1,470.20	155.39
23 81 26 13-0081	EA	4-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil	1,486.53	163.46
23 81 26 13-0082	EA	5 Ton "A" Style Horizontal Cased A/C Evaporator Coil	1,502.53	171.54
23 81 26 13-0083		Slab Style Horizontal Cased A/C Evaporator Coils (23 81 26 13-0065)		
23 81 26 13-0084	EA	2 Ton Slab Style Horizontal Cased A/C Evaporator Coil	891.70	127.42
23 81 26 13-0085	EA	3 Ton Slab Style Horizontal Cased A/C Evaporator Coil	1,073.17	142.95
23 81 26 13-0086	EA	4 Ton Slab Style Horizontal Cased A/C Evaporator Coil	1,241.57	155.39
23 81 26 13-0087	EA	5 Ton Slab Style Horizontal Cased A/C Evaporator Coil	1,500.20	171.54

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 81 Decentralized Unitary HVAC Equipment**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
23 81 26 16 Large-Capacity Split-System Air-Conditioners (23 81 26)

23 81 26 16-0001 Split System Air Conditioners, Variable Refrigerant Flow (Mitsubishi City Multi) (23 81 26 16)

23 81 26 16-0002 Outdoor Units (23 81 26 16-0001)

23 81 26 16-0003	EA	6 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P72YKMU-A).....	17,622.48	854.42
23 81 26 16-0004	EA	8 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P96YKMU-A).....	19,156.22	1,017.16
23 81 26 16-0005	EA	10 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P120YKMU-A).....	21,607.80	1,220.60
23 81 26 16-0006	EA	12 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P144YKMU-A).....	26,470.49	1,261.29
23 81 26 16-0007	EA	12 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P144YSKMU-A).....	35,009.53	1,301.97
23 81 26 16-0008	EA	14 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P168YSKMU-A).....	36,299.14	1,342.66
23 81 26 16-0009	EA	16 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P192YSKMU-A).....	37,588.75	1,383.35
23 81 26 16-0010	EA	18 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P216YSKMU-A).....	39,796.21	1,464.72
23 81 26 16-0011	EA	20 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P240YSKMU-A).....	42,003.68	1,546.10
23 81 26 16-0012	EA	22 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P264YSKMU-A).....	46,947.75	1,627.47
23 81 26 16-0013	EA	24 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P288YSKMU-A).....	51,891.81	1,708.84

23 81 26 16-0014 Indoor Units (23 81 26 16-0001)

23 81 26 16-0015	EA	6 MBH Cooling, 6.7 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P06NBMU-E2).....	1,923.04	264.47
23 81 26 16-0016	EA	8 MBH Cooling, 9 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P08NBMU-E2).....	2,025.69	284.81
23 81 26 16-0017	EA	12 MBH Cooling, 13.5 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P12NBMU-E2).....	2,118.02	305.15
23 81 26 16-0018	EA	15 MBH Cooling, 17 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P15NBMU-E2).....	2,225.83	325.50
23 81 26 16-0019	EA	18 MBH Cooling, 20 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P18NBMU-E2).....	2,430.51	386.52
23 81 26 16-0020	EA	24 MBH Cooling, 27 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P24NBMU-E2).....	2,734.72	467.90
23 81 26 16-0021	EA	30 MBH Cooling, 34 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P30NBMU-E2).....	2,963.77	508.58
23 81 26 16-0022	EA	6 MBH Cooling, 6.7 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P06NMAU-E3).....	2,734.96	290.91
23 81 26 16-0023	EA	8 MBH Cooling, 9 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P08NMAU-E3).....	2,836.51	313.29
23 81 26 16-0024	EA	12 MBH Cooling, 13.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P12NMAU-E3).....	2,994.88	335.67
23 81 26 16-0025	EA	15 MBH Cooling, 17 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P15NMAU-E3).....	3,246.16	358.04
23 81 26 16-0026	EA	18 MBH Cooling, 20 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P18NMAU-E3).....	3,452.71	425.18
23 81 26 16-0027	EA	24 MBH Cooling, 27 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P24NMAU-E3).....	3,817.61	514.68
23 81 26 16-0028	EA	27 MBH Cooling, 30 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P27NMAU-E3).....	4,012.11	537.06
23 81 26 16-0029	EA	30 MBH Cooling, 34 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P30NMAU-E3).....	4,227.27	559.44
23 81 26 16-0030	EA	36 MBH Cooling, 40 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P36NMAU-E3).....	4,685.09	615.39
23 81 26 16-0031	EA	48 MBH Cooling, 54 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P48NMAU-E3).....	5,190.27	676.92
23 81 26 16-0032	EA	54 MBH Cooling, 60 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P54NMAU-E3).....	5,625.13	744.62
23 81 26 16-0033	EA	72 MBH Cooling, 80 MBH Heating Ceiling Concealed High Static Ducted Indoor Unit (Mitsubishi PEFY-P72NMHSU-E).....	7,059.74	819.08
23 81 26 16-0034	EA	96 MBH Cooling, 108 MBH Heating Ceiling Concealed High Static Ducted Indoor Unit (Mitsubishi PEFY-P96NMHSU-E).....	7,998.08	900.98
23 81 26 16-0035	EA	12 MBH Cooling, 13.5 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP12NEMU-E).....	3,111.57	335.67
23 81 26 16-0036	EA	15 MBH Cooling, 17 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP15NEMU-E).....	3,283.34	358.04
23 81 26 16-0037	EA	18 MBH Cooling, 20 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP18NEMU-E).....	3,492.99	425.18
23 81 26 16-0038	EA	24 MBH Cooling, 27 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP24NEMU-E).....	3,937.40	514.68
23 81 26 16-0039	EA	30 MBH Cooling, 34 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP30NEMU-E).....	4,244.82	559.44
23 81 26 16-0040	EA	36 MBH Cooling, 40 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP36NEMU-E).....	5,154.96	615.40
23 81 26 16-0041	EA	6 MBH Cooling, 6.7 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P06NBMU-ER5).....	2,791.76	290.91
23 81 26 16-0042	EA	8 MBH Cooling, 9 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P08NBMU-ER5).....	2,939.78	313.29
23 81 26 16-0043	EA	12 MBH Cooling, 13.5 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P12NBMU-ER5).....	3,160.11	335.67
23 81 26 16-0044	EA	15 MBH Cooling, 17 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P15NBMU-ER5).....	3,328.78	358.04
23 81 26 16-0045	EA	8 MBH Cooling, 9 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P08NCMU-ER4).....	2,609.32	313.29
23 81 26 16-0046	EA	12 MBH Cooling, 13.5 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P12NCMU-ER4).....	2,747.03	335.67
23 81 26 16-0047	EA	15 MBH Cooling, 17 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P15NCMU-ER4).....	2,889.89	358.04

23 81 26 16-0048 Controllers For Outdoor Units (23 81 26 16-0001)

23 81 26 16-0049	EA	8 Branch (Main BC) (Mitsubishi CMB-P108NU-HA1).....	9,420.95	244.12
23 81 26 16-0050	EA	10 Branch (Main BC) (Mitsubishi CMB-P1010NU-HA1).....	10,896.44	284.81
23 81 26 16-0051	EA	13 Branch (Main BC) (Mitsubishi CMB-P1013NU-GA).....	12,046.64	325.50
23 81 26 16-0052	EA	16 Branch (Main BC) (Mitsubishi CMB-P1016NU-HA).....	14,286.32	366.18
23 81 26 16-0053	EA	4 Branch (Sub BC) (Mitsubishi CMB-P104NU-GB).....	5,266.89	162.74
23 81 26 16-0054	EA	8 Branch (Sub BC) (Mitsubishi CMB-P108NU-GB).....	8,109.44	244.12
23 81 26 16-0055	EA	16 Branch (Sub BC) (Mitsubishi CMB-P1016NU-HB).....	12,391.35	366.18

23 81 26 16-0056 Energy Recovery Units (23 81 26 16-0001)

23 81 26 16-0057	EA	36.2 MBH Cooling, 39.9 MBH Heating Hydronic Heat Exchanger Auxiliary Unit (Mitsubishi PWFY-P36NNU-E2-AU).....	6,704.99	244.12
23 81 26 16-0058	EA	39.9 MBH Hydronic Heat Exchanger Booster Unit (Mitsubishi PWFY-P36NNU-E-BU).....	12,570.63	244.12
23 81 26 16-0059	EA	112 MBH Cooling, 61.4 MBH Heating Reheat Unit (Mitsubishi LEFY-AF1200CFMR).....	12,770.76	284.81
23 81 26 16-0060	EA	Lossnay Energy Recovery Ventilator ERV, 300 CFM (Mitsubishi LGH-F300RX5-E).....	2,730.41	203.43
23 81 26 16-0061	EA	Lossnay Energy Recovery Ventilator ERV, 470 CFM (Mitsubishi LGH-F470RX5-E).....	3,454.06	211.57
23 81 26 16-0062	EA	Lossnay Energy Recovery Ventilator ERV, 600 CFM (Mitsubishi LGH-F600RX5-E).....	4,100.28	219.71

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 26 16-0063	EA	Lossnay Energy Recovery Ventilator ERV, 1,200 CFM (Mitsubishi LGH-F1200RX5-E1)	7,391.72	244.12
23 81 26 16-0064		Piping Specialties (23 81 26 16-0001)		
23 81 26 16-0065	EA	Maintenance Tool Interface (Mitsubishi CMS-MNG-E)	919.09	
23 81 26 16-0066	EA	Branch Joint (Mitsubishi CMY-Y102SS-G2)	248.09	47.22
23 81 26 16-0067	EA	Branch Joint (Mitsubishi CMY-Y102LS-G2)	248.09	47.22
23 81 26 16-0068	EA	Branch Joint (Mitsubishi CMY-Y202S-G2)	274.97	49.71
23 81 26 16-0069	EA	Branch Joint (Mitsubishi CMY-Y302S-G2)	344.18	55.92
23 81 26 16-0070	EA	Header - 4 Branch (Mitsubishi CMY-Y64-G-E)	450.69	80.77
23 81 26 16-0071	EA	Header - 8 Branch (Mitsubishi CMY-Y68-G-E)	767.13	161.54
23 81 26 16-0072	EA	Refrigeration Ball Valve-Flare/Schrader/Insulated - 3/8" (Mitsubishi BV38FFSI)	137.86	19.89
23 81 26 16-0073	EA	Refrigeration Ball Valve-Flare/Schrader/Insulated - 5/8" (Mitsubishi BV58FFSI)	155.88	27.33
23 81 26 16-0074		Split System Air Conditioners (Daikin VRV) (23 81 26 16)		
23 81 26 16-0075		Heat Pump Outdoor Units (23 81 26 16-0074)		
23 81 26 16-0076	EA	6 Ton Heat Pump Outdoor Unit (Daikin)	26,670.52	854.42
23 81 26 16-0077	EA	8 Ton Heat Pump Outdoor Unit (Daikin)	29,842.52	1,017.16
23 81 26 16-0078	EA	10 Ton Heat Pump Outdoor Unit (Daikin)	33,314.86	1,220.60
23 81 26 16-0079	EA	12 Ton Heat Pump Outdoor Unit (Daikin)	41,497.83	1,261.29
23 81 26 16-0080	EA	14 Ton Heat Pump Outdoor Unit (Daikin)	55,455.18	1,342.66
23 81 26 16-0081	EA	16 Ton Heat Pump Outdoor Unit (Daikin)	58,602.02	1,383.35
23 81 26 16-0082	EA	18 Ton Heat Pump Outdoor Unit (Daikin)	61,611.28	1,464.72
23 81 26 16-0083	EA	20 Ton Heat Pump Outdoor Unit (Daikin)	64,839.50	1,546.10
23 81 26 16-0084	EA	22 Ton Heat Pump Outdoor Unit (Daikin)	83,832.99	1,627.47
23 81 26 16-0085	EA	24 Ton Heat Pump Outdoor Unit (Daikin)	87,061.19	1,708.84
23 81 26 16-0086	EA	26 Ton Heat Pump Outdoor Unit (Daikin)	90,289.41	1,790.21
23 81 26 16-0087	EA	28 Ton Heat Pump Outdoor Unit (Daikin)	93,298.67	1,871.58
23 81 26 16-0088	EA	30 Ton Heat Pump Outdoor Unit (Daikin)	96,526.88	1,952.97
23 81 26 16-0089		Heat Recovery Heat Pump Outdoor Units (23 81 26 16-0074)		
23 81 26 16-0090	EA	6 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	34,163.10	1,110.75
23 81 26 16-0091	EA	8 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	37,310.87	1,322.32
23 81 26 16-0092	EA	10 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	41,054.00	1,586.78
23 81 26 16-0093	EA	12 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	51,451.01	1,639.68
23 81 26 16-0094	EA	14 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	69,398.51	1,745.46
23 81 26 16-0095	EA	16 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	74,759.38	1,798.35
23 81 26 16-0096	EA	18 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	77,598.50	1,904.13
23 81 26 16-0097	EA	20 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	80,437.61	2,009.93
23 81 26 16-0098	EA	22 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	105,720.34	2,115.71
23 81 26 16-0099	EA	24 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	108,559.45	2,221.49
23 81 26 16-0100	EA	26 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	114,026.12	2,327.28
23 81 26 16-0101	EA	28 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	116,865.23	2,433.07
23 81 26 16-0102		Indoor Units (23 81 26 16-0074)		
23 81 26 16-0103	EA	7.5 MBH Cooling, 8.5 MBH Heating Wall Mounted Indoor Unit (Daikin)	3,131.05	284.81
23 81 26 16-0104	EA	9.5 MBH Cooling, 10.5 MBH Heating Wall Mounted Indoor Unit (Daikin)	3,269.20	292.95
23 81 26 16-0105	EA	12 MBH Cooling, 13.5 MBH Heating Wall Mounted Indoor Unit (Daikin)	3,688.16	305.15
23 81 26 16-0106	EA	18 MBH Cooling, 20 MBH Heating Wall Mounted Indoor Unit (Daikin)	4,152.50	386.52
23 81 26 16-0107	EA	24 MBH Cooling, 26.5 MBH Heating Wall Mounted Indoor Unit (Daikin)	4,575.52	467.90
23 81 26 16-0108	EA	7.5 MBH Cooling, 8.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin)	4,543.10	313.29
23 81 26 16-0109	EA	9.5 MBH Cooling, 10.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin)	4,695.27	322.24
23 81 26 16-0110	EA	12 MBH Cooling, 13.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin)	4,930.77	179.02
23 81 26 16-0111	EA	18 MBH Cooling, 20 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin)	5,264.71	425.18
23 81 26 16-0112	EA	24 MBH Cooling, 27 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin)	6,243.15	514.68
23 81 26 16-0113	EA	30 MBH Cooling, 34 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin)	7,127.95	559.44
23 81 26 16-0114	EA	36 MBH Cooling, 40 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin)	7,624.05	615.39
23 81 26 16-0115	EA	48 MBH Cooling, 54 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin)	7,902.06	676.92
23 81 26 16-0116	EA	7.5 MBH Cooling, 8.7 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin)	5,067.78	313.29
23 81 26 16-0117	EA	9.5 MBH Cooling, 11.1 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin)	5,188.97	322.24
23 81 26 16-0118	EA	12 MBH Cooling, 14 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin)	5,515.36	335.67
23 81 26 16-0119	EA	18 MBH Cooling, 21 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin)	5,911.27	425.18
23 81 26 16-0120		Branch Selector Boxes (23 81 26 16-0074)		
23 81 26 16-0121	EA	144 MBH, 4 Branch, Multi Port Branch Selector Box (Daikin)	15,183.86	366.18
23 81 26 16-0122	EA	216 MBH, 6 Branch, Multi Port Branch Selector Box (Daikin)	22,434.76	488.24
23 81 26 16-0123	EA	36 MBH, 4 Branch, Single Port Branch Selector Box (Daikin)	3,031.54	162.74
23 81 26 16-0124	EA	60 MBH, 8 Branch, Single Port Branch Selector Box (Daikin)	4,096.98	244.12
23 81 26 16-0125	EA	96 MBH, 8 Branch, Single Port Branch Selector Box (Daikin)	5,111.60	366.18
23 81 26 16-0126		Controllers (23 81 26 16-0074)		
23 81 26 16-0127	EA	Up To 16 Units, Navigation Controller (Daikin)	996.85	32.55
23 81 26 16-0128	EA	Individual Zone Controller (Daikin)	740.70	32.55
23 81 26 16-0129	EA	Up To 16 Groups, Unified ON/OFF Controller (Daikin)	1,366.60	32.55
23 81 26 16-0130	EA	Up To 64 Units, Multizone Controller (Daikin)	1,885.09	32.55
23 81 26 16-0131	EA	I-Touch Manager Replaced Both Daikin IMP-128 thru 1024 and DCS601C71 (Daikin)	17,745.98	390.59
23 81 26 16-0132	EA	I-Touch Manager D3net Plus Adapter (Daikin)	3,217.45	32.55
23 81 26 16-0133	EA	24 Volt AC, Wired Thermostat For Split A/C Systems (Daikin))	717.14	57.45

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 81 Decentralized Unitary HVAC Equipment**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
23 81 26 16-0134 Energy Recovery Units (23 81 26 16-0074)

23 81 26 16-0135	EA	300 CFM Energy Recovery Unit (Daikin).....	5,279.81	203.43
23 81 26 16-0136	EA	470 CFM Energy Recovery Unit (Daikin).....	6,828.81	211.57
23 81 26 16-0137	EA	600 CFM Energy Recovery Unit (Daikin).....	8,158.87	219.71
23 81 26 16-0138	EA	1,200 CFM Energy Recovery Unit (Daikin).....	15,158.70	244.12

23 81 43 Air-Source Unitary Heat Pumps (23 81)**23 81 43 00-0001 Single Package Thru-Wall Heat Pumps (23 81 43)**

Note: Air-to-air type with electric heat. Includes throwaway filters. Through the wall units are wired for 230/208 Volt, 1 phase, 60 HZ. With electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls all mounted in a steel cabinet, wall sleeve and outdoor grille. Excludes crane and associated personnel. See CSI section 01 22 23 00-0977 for crane lifting equipment.

23 81 43 00-0002	EA	1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	2,381.31	264.80
		For Low Ambient Protection, 0 Degree F, Add	296.23	
		For >35 To 70, Deduct	-56.08	
		For >100, Deduct	-130.86	
		For Unit Economizer, Add	312.91	
		For >70 To 100, Deduct	-93.47	
23 81 43 00-0003	EA	1 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	2,624.33	282.46
		For Low Ambient Protection, 0 Degree F, Add	323.75	
		For >35 To 70, Deduct	-62.31	
		For >100, Deduct	-145.39	
		For Unit Economizer, Add	345.52	
		For >70 To 100, Deduct	-103.85	
23 81 43 00-0004	EA	1-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	4,369.07	282.46
		For Low Ambient Protection, 0 Degree F, Add	480.78	
		For >35 To 70, Deduct	-114.65	
		For >100, Deduct	-267.53	
		For Unit Economizer, Add	589.78	
		For >70 To 100, Deduct	-191.09	
23 81 43 00-0005	EA	2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	4,778.24	282.46
		For Low Ambient Protection, 0 Degree F, Add	271.51	
		For >35 To 70, Deduct	-125.87	
		For >100, Deduct	-293.70	
		For Unit Economizer, Add	645.65	
		For >70 To 100, Deduct	-209.78	
23 81 43 00-0006	EA	2-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	5,395.13	300.11
		For Low Ambient Protection, 0 Degree F, Add	297.79	
		For >35 To 70, Deduct	-143.32	
		For >100, Deduct	-334.41	
		For Unit Economizer, Add	730.60	
		For >70 To 100, Deduct	-238.86	
23 81 43 00-0007	EA	3 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	5,644.38	317.76
		For >35 To 70, Deduct	-150.80	
		For >100, Deduct	-351.86	
		For Low Ambient Protection, 0 Degree F, Add	807.91	
		For Unit Economizer, Add	765.50	
		For >70 To 100, Deduct	-251.33	
23 81 43 00-0008	EA	3-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	6,344.35	317.76
		For >35 To 70, Deduct	-170.74	
		For >100, Deduct	-398.38	
		For Low Ambient Protection, 0 Degree F, Add	903.15	
		For Unit Economizer, Add	862.08	
		For >70 To 100, Deduct	-284.56	
23 81 43 00-0009	EA	4 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	6,985.12	335.41
		For >35 To 70, Deduct	-189.43	
		For >100, Deduct	-442.00	
		For Low Ambient Protection, 0 Degree F, Add	988.57	
		For Unit Economizer, Add	951.08	
		For >70 To 100, Deduct	-315.71	
23 81 43 00-0010	EA	5 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	8,046.49	388.37
		For >35 To 70, Deduct	-218.09	
		For >100, Deduct	-508.88	
		For Low Ambient Protection, 0 Degree F, Add	1,139.25	
		For Unit Economizer, Add	1,095.44	
		For >70 To 100, Deduct	-363.49	
23 81 43 00-0011	EA	7-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	14,602.75	458.99
		For >35 To 70, Deduct	-410.01	
		For >100, Deduct	-956.70	
		For Low Ambient Protection, 0 Degree F, Add	2,010.63	
		For Unit Economizer, Add	2,006.96	
		For >70 To 100, Deduct	-683.36	
23 81 43 00-0012	EA	10 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	18,796.33	582.56
		For >35 To 70, Deduct	-528.41	
		For >100, Deduct	-1,232.95	
		For Unit Economizer, Add	2,584.18	
		For Low Ambient Protection, 0 Degree F, Add	471.83	
		For >70 To 100, Deduct	-880.68	
23 81 43 00-0013	EA	12-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	22,907.89	653.18
		For >35 To 70, Deduct	-648.05	
		For >100, Deduct	-1,512.11	
		For Unit Economizer, Add	3,154.85	
		For Low Ambient Protection, 0 Degree F, Add	542.61	
		For >70 To 100, Deduct	-1,080.08	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 43 00-0014	EA	15 Ton Single Package Heat Pump, Air To Air Type With Electric Heat..... For >35 To 70, Deduct For >100, Deduct For Unit Economizer, Add For Low Ambient Protection, 0 Degree F, Add For >70 To 100, Deduct	28,217.90 -802.58 -1,872.69 3,891.90 633.84 -1,337.63	741.45
23 81 43 00-0015	EA	20 Ton Single Package Heat Pump, Air To Air Type With Electric Heat..... For >35 To 70, Deduct For >100, Deduct For Unit Economizer, Add For Low Ambient Protection, 0 Degree F, Add For >70 To 100, Deduct	37,480.59 -1,076.75 -2,512.42 5,183.73 756.12 -1,794.59	794.41
23 81 43 00-0016	EA	25 Ton Single Package Heat Pump, Air To Air Type With Electric Heat..... For >35 To 70, Deduct For >100, Deduct For Unit Economizer, Add For Low Ambient Protection, 0 Degree F, Add For >70 To 100, Deduct	45,099.26 -1,301.08 -3,035.85 6,244.69 866.20 -2,168.46	865.02
23 81 43 00-0017		Single Package Vertical Wall Heat Pumps (23 81 43) Note: Air-to-air type with electric heat. Includes throwaway filters. Wall units are wired for 230/208 Volt, 1 phase, 60 HZ. With solid state electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls, insulated steel cabinet, with wall sleeve and outdoor grille and stainless steel drain pan. Excludes crane and associated personnel. See CSI section 01 22 23 00-0977 for crane lifting equipment.		
23 81 43 00-0018	EA	1/2 Ton Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	3,645.70	353.07
23 81 43 00-0019	EA	1 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	4,387.44	388.37
23 81 43 00-0020	EA	1-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	5,615.85	406.03
23 81 43 00-0021	EA	2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	6,424.29	441.34
23 81 43 00-0022	EA	2-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	8,009.80	511.95
23 81 43 00-0023	EA	3 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	8,572.93	582.56
23 81 43 00-0024	EA	3-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	9,328.37	653.18
23 81 43 00-0025	EA	4 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	10,490.00	723.80
23 81 43 00-0026	EA	5 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	11,855.67	865.02
23 81 43 00-0027		Heat Pump, Room Air-Conditioners (23 81 43) Note: Includes throwaway filters and supplemental heat.		
23 81 43 00-0028		Heat Pump, Window Unit, Room Air-Conditioners (23 81 43 00-0027)		
23 81 43 00-0029		Heat Pump, Window Unit, Room Air-Conditioners (Friedrich) (23 81 43 00-0028)		
23 81 43 00-0030	EA	10,000 BTU, 10.9 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YS10N10C)	2,674.40	170.88
		For >75 To 100, Deduct	-233.26	
		For >100, Deduct	-279.92	
		For >10 To 50, Deduct	-116.63	
		For >50 To 75, Deduct	-163.28	
23 81 43 00-0031	EA	12,000 BTU, 10.9 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YS12N33C)	3,010.57	170.88
		For >75 To 100, Deduct	-266.88	
		For >100, Deduct	-320.26	
		For >10 To 50, Deduct	-133.44	
		For >50 To 75, Deduct	-186.82	
23 81 43 00-0032	EA	17,500 BTU, 10.9 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich KHM18A34A).....	3,514.82	170.88
		For >75 To 100, Deduct	-317.31	
		For >100, Deduct	-380.77	
		For >10 To 50, Deduct	-158.65	
		For >50 To 75, Deduct	-222.11	
23 81 43 00-0033	EA	24,000 BTU, 10.3 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YL24N35D).....	4,075.10	170.88
		For >75 To 100, Deduct	-373.33	
		For >100, Deduct	-448.00	
		For >10 To 50, Deduct	-186.67	
		For >50 To 75, Deduct	-261.33	
23 81 43 00-0034		Heat Pump, Through-The-Wall, Room Air-Conditioners (23 81 43 00-0027) Note: Base unit excludes wall sleeve.		
23 81 43 00-0035		Heat Pump, Through-The-Wall, Room Air-Conditioners (Friedrich) (23 81 43 00-0034)		
23 81 43 00-0036	EA	9,300 BTU, 9.8 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich WY09C33D).....	2,670.13	122.06
		For >75 To 100, Deduct	-242.60	
		For >100, Deduct	-291.12	
		For >10 To 50, Deduct	-121.30	
		For >50 To 75, Deduct	-169.82	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	321.64	
23 81 43 00-0037	EA	11,300 BTU, 9.3 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich WY12D33A).....	2,670.13	122.06
		For >75 To 100, Deduct	-242.60	
		For >100, Deduct	-291.12	
		For >10 To 50, Deduct	-121.30	
		For >50 To 75, Deduct	-169.82	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	321.64	
23 81 46		Water-Source Unitary Heat Pumps (23 81)		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 81 Decentralized Unitary HVAC Equipment**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 81 46 00-0001	Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pumps (23 81 46)		
	Note: Includes rubber isolator hanger brackets. McQuay CCW Series.		
23 81 46 00-0002	EA 7 MBH, 300 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump.....	3,573.58	248.62
23 81 46 00-0003	EA 9 MBH, 300 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump.....	3,686.59	248.62
23 81 46 00-0004	EA 12 MBH, 400 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump.....	4,261.17	273.48
23 81 46 00-0005	EA 19 MBH, 630 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump.....	4,489.21	298.34
23 81 46 00-0006	EA 24 MBH, 800 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump.....	4,815.16	323.20
23 81 46 00-0007	EA 30 MBH, 1,000 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump.....	5,668.50	348.07
23 81 46 00-0008	EA 36 MBH, 1,200 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump.....	5,793.56	372.93
23 81 46 00-0009	EA 42 MBH, 1,400 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump.....	6,320.44	397.78
23 81 46 00-0010	EA 48 MBH, 1,600 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump.....	6,746.85	422.65
23 81 46 00-0011	EA 60 MBH, 2,000 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump.....	6,859.36	447.51

23 81 49 Split System Heat Pumps (23 81)

23 81 49 00-0001	Split System Heat Pump (23 81 49)		
	See CSI section 23 23 16 00-0001 for piping.		
23 81 49 00-0002	Air-Cooled, Outdoor Section (23 81 49 00-0001)		
	Note: Includes 20' length of piping (liquid line and insulated suction line). Excludes additional piping.		
23 81 49 00-0003	EA 1.5 Ton, 14 SEER, Outdoor Heat Pump Unit.....	4,499.21	524.31
	Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
	For 15 SEER, Add	666.86	
	For 16 SEER, Add	1,074.39	
	For 18 SEER, Add	1,630.11	
	For Low Ambient Protection, 0 Degree F, Add	828.42	
	For Winterstart Control, Add	227.63	
23 81 49 00-0004	EA 2 Ton, 14 SEER, Outdoor Heat Pump Unit.....	4,659.67	582.56
	Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
	For 15 SEER, Add	679.86	
	For 16 SEER, Add	1,095.33	
	For 18 SEER, Add	1,661.88	
	For Low Ambient Protection, 0 Degree F, Add	862.76	
	For Winterstart Control, Add	239.35	
23 81 49 00-0005	EA 2.5 Ton, 14 SEER, Outdoor Heat Pump Unit.....	5,109.64	676.12
	Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
	For 15 SEER, Add	735.43	
	For 16 SEER, Add	1,184.86	
	For 18 SEER, Add	1,797.73	
	For Low Ambient Protection, 0 Degree F, Add	950.55	
	For Winterstart Control, Add	265.82	
23 81 49 00-0006	EA 3 Ton, 14 SEER, Outdoor Heat Pump Unit.....	5,596.32	776.75
	Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
	For 15 SEER, Add	795.49	
	For 16 SEER, Add	1,281.62	
	For 18 SEER, Add	1,944.52	
	For Low Ambient Protection, 0 Degree F, Add	824.56	
	For Winterstart Control, Add	294.47	
23 81 49 00-0007	EA 3.5 Ton, 14 SEER, Outdoor Heat Pump Unit.....	5,775.95	806.77
	Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
	For 15 SEER, Add	819.69	
	For 16 SEER, Add	1,320.61	
	For 18 SEER, Add	2,003.68	
	For Low Ambient Protection, 0 Degree F, Add	851.99	
	For Winterstart Control, Add	304.37	
23 81 49 00-0008	EA 4 Ton, 14 SEER, Outdoor Heat Pump Unit.....	6,405.67	926.81
	Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
	For 15 SEER, Add	914.70	
	For 16 SEER, Add	1,473.68	
	For 18 SEER, Add	2,235.93	
	For Low Ambient Protection, 0 Degree F, Add	940.80	
	For Winterstart Control, Add	335.67	
23 81 49 00-0009	EA 5 Ton, 14 SEER, Outdoor Heat Pump Unit.....	7,277.54	1,019.48
	Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
	For 15 SEER, Add	1,047.80	
	For 16 SEER, Add	1,688.13	
	For 18 SEER, Add	2,561.30	
	For Winterstart Control, Add	203.85	
	For Low Ambient Protection, 0 Degree F, Add	655.16	
23 81 49 00-0010	EA 7.5 Ton, 11.5 EER, Outdoor Heat Pump Unit.....	8,056.40	1,139.23
	Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
	For Winterstart Control, Add	227.04	
	For Low Ambient Protection, 0 Degree F, Add	728.31	
23 81 49 00-0011	EA 10 Ton, 11.1 EER, Outdoor Heat Pump Unit.....	11,057.27	1,367.07
	Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
	For Low Ambient Protection, 0 Degree F, Add	569.62	
	For Winterstart Control, Add	286.62	
23 81 49 00-0012	EA 15 Ton, 10.9 EER, Outdoor Heat Pump Unit.....	14,455.45	1,594.92
	Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
	For Low Ambient Protection, 0 Degree F, Add	648.85	
	For Winterstart Control, Add	349.12	
23 81 49 00-0013	EA 20 Ton, 10.3 EER, Outdoor Heat Pump Unit.....	25,490.02	1,708.84
	Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
	For Low Ambient Protection, 0 Degree F, Add	690.78	
	For Winterstart Control, Add	474.56	

23 81 49 00-0014 Indoor Section, Horizontal Upflow (23 81 49 00-0001)

Note: Electric heat. Includes throwaway filters.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 49 00-0015	EA	2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat <i>For Additional 5 KW Electric Heat, Add</i>	1,413.85 123.89	174.14
23 81 49 00-0016	EA	2-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat <i>For Additional 5 KW Electric Heat, Add</i>	1,573.05 135.61	216.94
23 81 49 00-0017	EA	3 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat <i>For Additional 5 KW Electric Heat, Add</i>	1,664.05 140.16	262.02
23 81 49 00-0018	EA	3-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat <i>For Additional 5 KW Electric Heat, Add</i>	2,214.76 190.77	306.78
23 81 49 00-0019	EA	4 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat <i>For Additional 5 KW Electric Heat, Add</i>	2,293.16 194.69	345.84
23 81 49 00-0020	EA	5 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat <i>For Additional 5 KW Electric Heat, Add</i>	2,551.39 215.44	397.10
23 81 49 00-0021	EA	7-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat <i>For Additional 5 KW Electric Heat, Add</i>	5,326.30 467.53	650.99
23 81 49 00-0022	EA	10 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15 kW Electric Heat <i>For Additional 5 KW Electric Heat, Add</i>	7,715.91 698.36	732.36
23 81 49 00-0023	EA	15 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15KW Electric Heat <i>For Additional 5 KW Electric Heat, Add</i>	10,696.10 988.24	813.74
23 81 49 00-0024	EA	20 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15 KW Electric Heat <i>For Additional 5 KW Electric Heat, Add</i>	12,188.01 1,121.14	976.48
23 81 49 00-0025		Ductless Split System Heat Pumps (23 81 49 00-0001) Note: Excludes refrigerant piping, electrical, and pad. Sanyo units or equal. See CSI section 23 81 26 13-0030 for accessories.		
23 81 49 00-0026		Wall Mounted Ductless Split System Heat Pumps (23 81 49 00-0025)		
23 81 49 00-0027	EA	9,000 BTU Cooling, 12,200 BTU Heating, 16 SEER, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,710.88	537.06
23 81 49 00-0028	EA	11,900 BTU Cooling, 13,300 BTU Heating, 17 SEER, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,997.21	585.88
23 81 49 00-0029	EA	17,500 BTU Cooling, 20,400 BTU Heating, 20 SEER, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,620.50	650.99
23 81 49 00-0030	EA	24,200 BTU Cooling, 29,000 BTU Heating, 17 SEER, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	4,151.32	716.09
23 81 49 00-0031	EA	25,200 BTU Cooling, 29,200 BTU Heating, 14.9 SEER, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,720.81	781.19
23 81 49 00-0032	EA	29,800 BTU Cooling, 34,800 BTU Heating, 15 SEER, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,562.56	813.74
23 81 49 00-0033	EA	31,400 BTU Cooling, 36,400 BTU Heating, 15.9 SEER, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	7,181.07	867.44
23 81 49 00-0034		Dual and Tri Zone Wall Mounted Ductless Split System Heat Pumps (23 81 49 00-0025) Note: Use this section only when matching indoor and outdoor capacity units are not used.		
23 81 49 00-0035	EA	7,500 BTU Cooling, 8,500 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit and wireless thermostat.	1,149.25	260.40
23 81 49 00-0036	EA	9,000 BTU Cooling, 12,200 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit and wireless thermostat.	1,216.88	276.67
23 81 49 00-0037	EA	11,900 BTU Cooling, 14,300 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit and wireless thermostat.	1,285.40	292.95
23 81 49 00-0038	EA	17,500 BTU Cooling, 20,400 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit and wireless thermostat.	1,448.18	309.22
23 81 49 00-0039	EA	24,200 BTU Cooling, 29,000 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit and wireless thermostat.	1,542.73	325.50
23 81 49 00-0040	EA	19,700 BTU Cooling, 24,800 BTU Heating, 16.4 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes outdoor unit and refrigerant charge.	3,197.50	390.59
23 81 49 00-0041	EA	23,200 BTU Cooling, 29,200 BTU Heating, 16.5 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes outdoor unit and refrigerant charge.	3,763.65	423.14
23 81 49 00-0042	EA	30,600 BTU Cooling, 32,000 BTU Heating, 17.2 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes outdoor unit and refrigerant charge.	5,934.04	455.69
23 81 49 00-0043		Suspended Ceiling Mounted Ductless Split System Heat Pumps (23 81 49 00-0025) Note: Excludes hangers.		
23 81 49 00-0044	EA	24,400 BTU Cooling, 30,800 BTU Heating, 14.5 SEER, Ceiling Suspended Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,074.52	781.19
23 81 49 00-0045	EA	31,200 BTU Cooling, 37,400 BTU Heating, 15.1 SEER, Ceiling Suspended Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	7,377.57	932.54
23 81 49 00-0046	EA	39,000 BTU Cooling, 44,500 BTU Heating, 15.6 SEER, Ceiling Suspended Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	8,793.62	976.48
23 81 49 00-0047		Recessed Ceiling Mounted Ductless Split System Heat Pumps (23 81 49 00-0025) Note: Excludes hangers.		
23 81 49 00-0048	EA	11,900 BTU Cooling, 13,600 BTU Heating, 16 SEER, Ceiling Recessed Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	4,113.36	650.99
23 81 49 00-0049	EA	17,500 BTU Cooling, 20,400 BTU Heating, 16 SEER, Ceiling Recessed Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	4,656.74	716.09
23 81 49 00-0050	EA	24,800 BTU Cooling, 29,800 BTU Heating, 14.1 SEER, Ceiling Recessed Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,102.60	846.28
23 81 49 00-0051	EA	32,600 BTU Cooling, 37,600 BTU Heating, 14.6 SEER, Ceiling Recessed Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	7,018.48	932.54
23 81 49 00-0052	EA	39,500 BTU Cooling, 48,000 BTU Heating, 14.6 SEER, Ceiling Recessed Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	8,614.08	976.48

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 81 Decentralized Unitary HVAC Equipment**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
23 82 Convection Heating and Cooling Units (23 80)**23 82 16 Air Coils** (23 82)**23 82 16 11 Hydronic Air Coils** (23 82 16)**23 82 16 11-0001 Chilled Water Cooling Coils** (23 82 16 11)

Note: Flanged construction, 16 gauge galvanized steel casing.

23 82 16 11-0002 2 Row Chilled Water Cooling Coils (23 82 16 11-0001)

23 82 16 11-0003	EA	12" x 12" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	1,952.66	62.15
23 82 16 11-0004	EA	12" x 24" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	3,247.25	84.53
23 82 16 11-0005	EA	24" x 30" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	4,364.89	133.01
23 82 16 11-0006	EA	24" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	5,262.78	190.19
23 82 16 11-0007	EA	30" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	5,575.59	233.70
23 82 16 11-0008	EA	30" x 60" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	6,233.12	283.42
23 82 16 11-0009	EA	30" x 72" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	6,670.61	328.17
23 82 16 11-0010	EA	30" x 84" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	7,208.14	579.77
23 82 16 11-0011	EA	34" x 32" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	4,487.50	220.40
23 82 16 11-0012	EA	34" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	5,747.18	375.29
23 82 16 11-0013	EA	34" x 60" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	6,426.27	466.16
23 82 16 11-0014	EA	34" x 72" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	7,037.82	562.99
23 82 16 11-0015	EA	34" x 84" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	7,679.42	655.60
23 82 16 11-0016	SF	>20 SF, Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	387.20	33.05

23 82 16 11-0017 4 Row Chilled Water Cooling Coils (23 82 16 11-0001)

23 82 16 11-0018	EA	12" x 12" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	2,421.10	129.28
23 82 16 11-0019	EA	12" x 24" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	3,902.54	186.46
23 82 16 11-0020	EA	24" x 30" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	5,306.14	310.77
23 82 16 11-0021	EA	24" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	6,470.25	461.18
23 82 16 11-0022	EA	30" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	7,472.30	565.61
23 82 16 11-0023	EA	30" x 60" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	8,876.57	691.15
23 82 16 11-0024	EA	30" x 72" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	9,873.50	829.13
23 82 16 11-0025	EA	30" x 84" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	9,615.24	965.13
23 82 16 11-0026	EA	34" x 32" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	6,093.89	416.56
23 82 16 11-0027	EA	34" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	7,748.64	626.52
23 82 16 11-0028	EA	34" x 60" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	8,579.61	776.93
23 82 16 11-0029	EA	34" x 72" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	9,557.52	936.05
23 82 16 11-0030	EA	34" x 84" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	10,467.13	1,094.28

23 82 16 11-0031 6 Row Chilled Water Cooling Coils (23 82 16 11-0001)

23 82 16 11-0032	EA	12" x 12" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	3,426.17	164.09
23 82 16 11-0033	EA	12" x 24" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	4,018.96	243.64
23 82 16 11-0034	EA	24" x 30" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	5,441.25	415.19
23 82 16 11-0035	EA	24" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	7,369.10	621.54
23 82 16 11-0036	EA	30" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	9,697.84	776.93
23 82 16 11-0037	EA	30" x 60" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	10,993.35	955.93
23 82 16 11-0038	EA	30" x 72" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	12,782.49	1,129.96
23 82 16 11-0039	EA	30" x 84" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	12,092.16	1,316.80

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 11-0040	EA		34" x 32" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	7,613.04	569.21
23 82 16 11-0041	EA		34" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	9,701.96	853.75
23 82 16 11-0042	EA		34" x 60" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	10,884.19	1,069.05
23 82 16 11-0043	EA		34" x 72" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	12,027.28	1,284.24
23 82 16 11-0044	EA		34" x 84" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	13,177.17	1,494.06
23 82 16 11-0045			8 Row Chilled Water Cooling Coils (23 82 16 11-0001)		
23 82 16 11-0046	EA		12" x 12" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,286.45	197.65
23 82 16 11-0047	EA		12" x 24" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	5,218.91	303.32
23 82 16 11-0048	EA		24" x 30" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	7,747.48	540.74
23 82 16 11-0049	EA		24" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	10,233.86	829.13
23 82 16 11-0050	EA		30" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	12,269.82	1,036.74
23 82 16 11-0051	EA		30" x 60" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	14,233.71	1,243.09
23 82 16 11-0052	EA		30" x 72" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	16,383.78	1,381.07
23 82 16 11-0053	EA		30" x 84" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	13,844.63	1,601.97
23 82 16 11-0054	EA		34" x 32" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	8,671.43	693.64
23 82 16 11-0055	EA		34" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	11,079.46	1,042.83
23 82 16 11-0056	EA		34" x 60" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	12,449.08	1,299.02
23 82 16 11-0057	EA		34" x 72" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	13,749.00	1,553.85
23 82 16 11-0058	EA		34" x 84" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	15,118.83	1,828.08
23 82 16 11-0059			Hot Water Heating Coils (23 82 16 11)		
			Note: Flanged construction.		
23 82 16 11-0060			1 Row Hot Water Heating Coils (23 82 16 11-0059)		
23 82 16 11-0061	EA		12" x 12" Hot Water Heating Coil, 1 Row Flanged Construction	1,530.74	167.81
			For 10 Fins Per Inch, Add	23.90	
			For 230 PSIG Heavy-Duty, Add	339.75	
			For 12 Fins Per Inch, Add	59.74	
23 82 16 11-0062	EA		12" x 24" Hot Water Heating Coil, 1 Row Flanged Construction	2,275.11	215.05
			For 10 Fins Per Inch, Add	36.93	
			For 230 PSIG Heavy-Duty, Add	497.89	
			For 12 Fins Per Inch, Add	92.32	
23 82 16 11-0063	EA		24" x 30" Hot Water Heating Coil, 1 Row Flanged Construction	2,764.25	295.86
			For 10 Fins Per Inch, Add	43.45	
			For 230 PSIG Heavy-Duty, Add	612.04	
			For 12 Fins Per Inch, Add	108.62	
23 82 16 11-0064	EA		24" x 48" Hot Water Heating Coil, 1 Row Flanged Construction	3,272.57	415.19
			For 10 Fins Per Inch, Add	48.88	
			For 230 PSIG Heavy-Duty, Add	737.39	
			For 12 Fins Per Inch, Add	122.19	
23 82 16 11-0065	EA		30" x 48" Hot Water Heating Coil, 1 Row Flanged Construction	3,709.86	497.24
			For 10 Fins Per Inch, Add	54.31	
			For 230 PSIG Heavy-Duty, Add	841.42	
			For 12 Fins Per Inch, Add	135.77	
23 82 16 11-0066	EA		30" x 60" Hot Water Heating Coil, 1 Row Flanged Construction	4,338.63	621.54
			For 10 Fins Per Inch, Add	61.91	
			For 230 PSIG Heavy-Duty, Add	992.04	
			For 12 Fins Per Inch, Add	154.78	
23 82 16 11-0067	EA		30" x 72" Hot Water Heating Coil, 1 Row Flanged Construction	4,856.90	689.92
			For 10 Fins Per Inch, Add	69.51	
			For 230 PSIG Heavy-Duty, Add	1,109.50	
			For 12 Fins Per Inch, Add	173.78	
23 82 16 11-0068	EA		30" x 84" Hot Water Heating Coil, 1 Row Flanged Construction	6,015.81	802.16
			For 10 Fins Per Inch, Add	88.11	
			For 230 PSIG Heavy-Duty, Add	1,364.18	
			For 12 Fins Per Inch, Add	220.28	
23 82 16 11-0069	EA		34" x 32" Hot Water Heating Coil, 1 Row Flanged Construction	2,597.36	347.57
			For 10 Fins Per Inch, Add	38.04	
			For 230 PSIG Heavy-Duty, Add	589.00	
			For 12 Fins Per Inch, Add	95.11	
23 82 16 11-0070	EA		34" x 48" Hot Water Heating Coil, 1 Row Flanged Construction	3,896.02	521.48
			For 10 Fins Per Inch, Add	57.06	
			For 230 PSIG Heavy-Duty, Add	883.49	
			For 12 Fins Per Inch, Add	142.66	
23 82 16 11-0071	EA		34" x 72" Hot Water Heating Coil, 1 Row Flanged Construction	5,857.28	788.74
			For 10 Fins Per Inch, Add	85.60	
			For 230 PSIG Heavy-Duty, Add	1,329.21	
			For 12 Fins Per Inch, Add	213.99	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating and Cooling Units**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 82 16 11-0072	EA	34" x 84" Hot Water Heating Coil, 1 Row Flanged Construction.....	6,821.07	914.04
		For 10 Fins Per Inch, Add	99.86	
		For 230 PSIG Heavy-Duty, Add	1,547.02	
		For 12 Fins Per Inch, Add	249.65	
23 82 16 11-0073	SF	>15 SF Hot Water Heating Coil, 1 Row, Flanged Construction.....	310.64	45.99
		For 10 Fins Per Inch, Add	4.37	
		For 230 PSIG Heavy-Duty, Add	71.33	
		For 12 Fins Per Inch, Add	10.93	

23 82 16 11-0074 2 Row Hot Water Heating Coils (23 82 16 11-0059)

23 82 16 11-0075	EA	12" x 12" Hot Water Heating Coil, 2 Row Flanged Construction.....	2,478.06	207.59
		For 10 Fins Per Inch, Add	41.27	
		For 230 PSIG Heavy-Duty, Add	537.05	
		For 12 Fins Per Inch, Add	103.18	
23 82 16 11-0076	EA	12" x 24" Hot Water Heating Coil, 2 Row Flanged Construction.....	2,670.48	275.96
		For 10 Fins Per Inch, Add	42.36	
		For 230 PSIG Heavy-Duty, Add	589.34	
		For 12 Fins Per Inch, Add	105.90	
23 82 16 11-0077	EA	24" x 30" Hot Water Heating Coil, 2 Row Flanged Construction.....	3,598.41	415.19
		For 10 Fins Per Inch, Add	55.39	
		For 230 PSIG Heavy-Duty, Add	802.55	
		For 12 Fins Per Inch, Add	138.48	
23 82 16 11-0078	EA	24" x 48" Hot Water Heating Coil, 2 Row Flanged Construction.....	4,333.74	591.71
		For 10 Fins Per Inch, Add	63.00	
		For 230 PSIG Heavy-Duty, Add	985.14	
		For 12 Fins Per Inch, Add	157.49	
23 82 16 11-0079	EA	30" x 48" Hot Water Heating Coil, 2 Row Flanged Construction.....	4,992.46	730.93
		For 10 Fins Per Inch, Add	70.60	
		For 230 PSIG Heavy-Duty, Add	1,144.74	
		For 12 Fins Per Inch, Add	176.50	
23 82 16 11-0080	EA	30" x 60" Hot Water Heating Coil, 2 Row Flanged Construction.....	5,305.83	887.56
		For 10 Fins Per Inch, Add	70.60	
		For 230 PSIG Heavy-Duty, Add	1,238.75	
		For 12 Fins Per Inch, Add	176.50	
23 82 16 11-0081	EA	30" x 72" Hot Water Heating Coil, 2 Row Flanged Construction.....	5,981.97	1,036.74
		For 10 Fins Per Inch, Add	78.20	
		For 230 PSIG Heavy-Duty, Add	1,403.58	
		For 12 Fins Per Inch, Add	195.51	
23 82 16 11-0082	EA	30" x 84" Hot Water Heating Coil, 2 Row Flanged Construction.....	7,365.41	1,204.55
		For 10 Fins Per Inch, Add	99.13	
		For 230 PSIG Heavy-Duty, Add	1,713.99	
		For 12 Fins Per Inch, Add	247.82	
23 82 16 11-0083	EA	34" x 32" Hot Water Heating Coil, 2 Row Flanged Construction.....	3,179.23	519.74
		For 10 Fins Per Inch, Add	42.80	
		For 230 PSIG Heavy-Duty, Add	739.78	
		For 12 Fins Per Inch, Add	106.99	
23 82 16 11-0084	EA	34" x 48" Hot Water Heating Coil, 2 Row Flanged Construction.....	4,771.45	780.78
		For 10 Fins Per Inch, Add	64.20	
		For 230 PSIG Heavy-Duty, Add	1,110.46	
		For 12 Fins Per Inch, Add	160.49	
23 82 16 11-0085	EA	34" x 72" Hot Water Heating Coil, 2 Row Flanged Construction.....	7,169.00	1,177.20
		For 10 Fins Per Inch, Add	96.29	
		For 230 PSIG Heavy-Duty, Add	1,669.23	
		For 12 Fins Per Inch, Add	240.73	
23 82 16 11-0086	EA	34" x 84" Hot Water Heating Coil, 2 Row Flanged Construction.....	8,367.36	1,375.10
		For 10 Fins Per Inch, Add	112.34	
		For 230 PSIG Heavy-Duty, Add	1,948.49	
		For 12 Fins Per Inch, Add	280.86	

23 82 16 11-0087 Hot Water Preheat Coils For Multi-Zone Air Handling Units (23 82 16 11)

Note: 2 Row coils. Coils are sized by air handling unit capacity.

23 82 16 11-0088	EA	3,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	2,014.53	157.88
23 82 16 11-0089	EA	4,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	2,579.33	156.63
23 82 16 11-0090	EA	5,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	3,165.40	167.81
23 82 16 11-0091	EA	6,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	3,678.39	182.73
23 82 16 11-0092	EA	7,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	3,695.26	191.43
23 82 16 11-0093	EA	9,200 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	4,474.08	201.38
23 82 16 11-0094	EA	11,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	4,633.73	226.25
23 82 16 11-0095	EA	13,200 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	5,123.54	253.59
23 82 16 11-0096	EA	16,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	5,765.61	303.32
23 82 16 11-0097	EA	19,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	6,285.48	318.23
23 82 16 11-0098	EA	22,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	8,057.78	336.87
23 82 16 11-0099	EA	27,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	10,261.73	461.18
23 82 16 11-0100	EA	34,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	12,893.13	565.61
23 82 16 11-0101	EA	40,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	15,022.51	591.71
23 82 16 11-0102	EA	47,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	17,646.37	689.92

23 82 16 12 Steam Air Coils (23 82 16)**23 82 16 12-0001 Steam Heating Coils (23 82 16 12)**

Note: Flanged construction.

23 82 16 12-0002	EA	12" x 12" Steam Heating Coils, 1 Row Flanged Construction.....	2,385.66	116.85
		For 2 Row Coil, Add	762.17	
		For 4 Row Coil, Add	2,008.44	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 12-0003	EA		12" x 24" Steam Heating Coils, 1 Row Flanged Construction.....	2,630.00	161.60
			For 2 Row Coil, Add	853.58	
			For 4 Row Coil, Add	2,242.84	
23 82 16 12-0004	EA		24" x 30" Steam Heating Coils, 1 Row Flanged Construction.....	3,423.62	289.63
			For 2 Row Coil, Add	1,142.72	
			For 4 Row Coil, Add	2,987.51	
23 82 16 12-0005	EA		24" x 48" Steam Heating Coils, 1 Row Flanged Construction.....	4,289.39	415.19
			For 2 Row Coil, Add	1,452.56	
			For 4 Row Coil, Add	3,787.86	
23 82 16 12-0006	EA		30" x 48" Steam Heating Coils, 1 Row Flanged Construction.....	4,762.76	497.24
			For 2 Row Coil, Add	1,627.72	
			For 4 Row Coil, Add	4,237.83	
23 82 16 12-0007	EA		30" x 60" Steam Heating Coils, 1 Row Flanged Construction.....	5,318.99	621.54
			For 2 Row Coil, Add	1,844.32	
			For 4 Row Coil, Add	4,789.72	
23 82 16 12-0008	EA		30" x 72" Steam Heating Coils, 1 Row Flanged Construction.....	5,841.63	689.92
			For 2 Row Coil, Add	2,028.73	
			For 4 Row Coil, Add	5,267.22	
23 82 16 12-0009	EA		30" x 84" Steam Heating Coils, 1 Row Flanged Construction.....	7,263.97	805.14
			For 2 Row Coil, Add	2,501.23	
			For 4 Row Coil, Add	6,503.57	
23 82 16 12-0010	EA		34" x 32" Steam Heating Coils, 1 Row Flanged Construction.....	3,136.25	347.57
			For 2 Row Coil, Add	1,079.92	
			For 4 Row Coil, Add	2,807.95	
23 82 16 12-0011	EA		34" x 48" Steam Heating Coils, 1 Row Flanged Construction.....	4,704.37	521.48
			For 2 Row Coil, Add	1,619.88	
			For 4 Row Coil, Add	4,211.93	
23 82 16 12-0012	EA		34" x 72" Steam Heating Coils, 1 Row Flanged Construction.....	7,053.90	780.78
			For 2 Row Coil, Add	2,428.50	
			For 4 Row Coil, Add	6,314.64	
23 82 16 12-0013	EA		34" x 84" Steam Heating Coils, 1 Row Flanged Construction.....	8,235.69	914.04
			For 2 Row Coil, Add	2,836.32	
			For 4 Row Coil, Add	7,374.62	
23 82 16 13 Refrigerant Air Coils (23 82 16)					
23 82 16 13-0001			Direct Expansion Cooling Coils (23 82 16 13)		
			Note: Flanged construction 16 gauge galvanized steel casing.		
23 82 16 13-0002			2 Row Direct Expansion Cooling Coils (23 82 16 13-0001)		
23 82 16 13-0003	EA		12" x 12" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	1,873.91	93.23
			For 12 Fins Per Inch, Add	84.35	
			For 10 Fins Per Inch, Add	33.74	
23 82 16 13-0004	EA		12" x 24" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	3,630.28	128.03
			For 12 Fins Per Inch, Add	168.70	
			For 10 Fins Per Inch, Add	67.48	
23 82 16 13-0005	EA		24" x 30" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	4,994.27	201.38
			For 12 Fins Per Inch, Add	229.66	
			For 10 Fins Per Inch, Add	91.87	
23 82 16 13-0006	EA		24" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	6,006.59	289.63
			For 12 Fins Per Inch, Add	271.42	
			For 10 Fins Per Inch, Add	108.57	
23 82 16 13-0007	EA		30" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	6,973.88	354.28
			For 12 Fins Per Inch, Add	313.18	
			For 10 Fins Per Inch, Add	125.27	
23 82 16 13-0008	EA		30" x 60" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	7,788.96	428.86
			For 12 Fins Per Inch, Add	346.58	
			For 10 Fins Per Inch, Add	138.63	
23 82 16 13-0009	EA		30" x 72" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	8,928.30	497.24
			For 12 Fins Per Inch, Add	396.69	
			For 10 Fins Per Inch, Add	158.68	
23 82 16 13-0010	EA		30" x 84" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	11,216.09	579.77
			For 12 Fins Per Inch, Add	502.83	
			For 10 Fins Per Inch, Add	201.13	
23 82 16 13-0011	EA		34" x 32" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	4,307.11	220.40
			For 12 Fins Per Inch, Add	193.32	
			For 10 Fins Per Inch, Add	77.33	
23 82 16 13-0012	EA		34" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	5,524.43	375.29
			For 12 Fins Per Inch, Add	238.69	
			For 10 Fins Per Inch, Add	95.48	
23 82 16 13-0013	EA		34" x 72" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	6,774.29	562.99
			For 12 Fins Per Inch, Add	282.42	
			For 10 Fins Per Inch, Add	112.97	
23 82 16 13-0014	EA		34" x 84" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	7,395.37	655.60
			For 12 Fins Per Inch, Add	304.21	
			For 10 Fins Per Inch, Add	121.68	
23 82 16 13-0015			4 Row Direct Expansion Cooling Coils (23 82 16 13-0001)		
23 82 16 13-0016	EA		12" x 12" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	3,123.51	129.28
			For 12 Fins Per Inch, Add	143.23	
			For 10 Fins Per Inch, Add	57.29	
23 82 16 13-0017	EA		12" x 24" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	4,463.25	186.46
			For 12 Fins Per Inch, Add	204.61	
			For 10 Fins Per Inch, Add	81.84	
23 82 16 13-0018	EA		24" x 30" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	6,049.95	310.77
			For 12 Fins Per Inch, Add	271.42	
			For 10 Fins Per Inch, Add	108.57	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating and Cooling Units**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 82 16 13-0019	EA	24" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	7,351.38	461.18
		For 12 Fins Per Inch, Add	321.53	
		For 10 Fins Per Inch, Add	128.61	
23 82 16 13-0020	EA	30" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	8,479.31	565.61
		For 12 Fins Per Inch, Add	367.46	
		For 10 Fins Per Inch, Add	146.98	
23 82 16 13-0021	EA	30" x 60" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	10,066.66	691.15
		For 12 Fins Per Inch, Add	434.27	
		For 10 Fins Per Inch, Add	173.71	
23 82 16 13-0022	EA	30" x 72" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	11,178.03	829.13
		For 12 Fins Per Inch, Add	476.03	
		For 10 Fins Per Inch, Add	190.41	
23 82 16 13-0023	EA	30" x 84" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	10,835.45	965.13
		For 12 Fins Per Inch, Add	445.26	
		For 10 Fins Per Inch, Add	178.10	
23 82 16 13-0024	EA	34" x 32" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	6,929.18	416.56
		For 12 Fins Per Inch, Add	304.80	
		For 10 Fins Per Inch, Add	121.92	
23 82 16 13-0025	EA	34" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	8,779.98	626.52
		For 12 Fins Per Inch, Add	376.34	
		For 10 Fins Per Inch, Add	150.54	
23 82 16 13-0026	EA	34" x 72" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	13,172.18	1,102.00
		For 12 Fins Per Inch, Add	548.41	
		For 10 Fins Per Inch, Add	219.36	
23 82 16 13-0027	EA	34" x 84" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	15,069.28	1,284.24
		For 12 Fins Per Inch, Add	625.05	
		For 10 Fins Per Inch, Add	250.02	

23 82 16 13-0028 6 Row Direct Expansion Cooling Coils (23 82 16 13-0001)

23 82 16 13-0029	EA	12" x 12" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	4,001.75	162.85
		For 12 Fins Per Inch, Add	183.73	
		For 10 Fins Per Inch, Add	73.49	
23 82 16 13-0030	EA	12" x 24" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	4,579.67	243.64
		For 12 Fins Per Inch, Add	204.61	
		For 10 Fins Per Inch, Add	81.84	
23 82 16 13-0031	EA	24" x 30" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	6,591.19	415.19
		For 12 Fins Per Inch, Add	288.12	
		For 10 Fins Per Inch, Add	115.25	
23 82 16 13-0032	EA	24" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	8,341.78	621.54
		For 12 Fins Per Inch, Add	354.93	
		For 10 Fins Per Inch, Add	141.97	
23 82 16 13-0033	EA	30" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	10,990.93	776.93
		For 12 Fins Per Inch, Add	471.85	
		For 10 Fins Per Inch, Add	188.74	
23 82 16 13-0034	EA	30" x 60" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	12,435.20	955.93
		For 12 Fins Per Inch, Add	526.14	
		For 10 Fins Per Inch, Add	210.46	
23 82 16 13-0035	EA	30" x 72" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	14,453.20	1,129.96
		For 12 Fins Per Inch, Add	609.65	
		For 10 Fins Per Inch, Add	243.86	
23 82 16 13-0036	EA	30" x 84" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	13,593.96	1,316.80
		For 12 Fins Per Inch, Add	548.02	
		For 10 Fins Per Inch, Add	219.21	
23 82 16 13-0037	EA	34" x 32" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	8,641.08	569.21
		For 12 Fins Per Inch, Add	375.14	
		For 10 Fins Per Inch, Add	150.05	
23 82 16 13-0038	EA	34" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	10,971.29	853.75
		For 12 Fins Per Inch, Add	463.19	
		For 10 Fins Per Inch, Add	185.28	
23 82 16 13-0039	EA	34" x 72" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	13,508.10	1,273.66
		For 12 Fins Per Inch, Add	548.04	
		For 10 Fins Per Inch, Add	219.22	
23 82 16 13-0040	EA	34" x 84" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	14,794.96	1,494.06
		For 12 Fins Per Inch, Add	590.34	
		For 10 Fins Per Inch, Add	236.14	

23 82 16 13-0041 8 Row Direct Expansion Cooling Coils (23 82 16 13-0001)

23 82 16 13-0042	EA	12" x 12" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	4,987.90	196.41
		For 12 Fins Per Inch, Add	229.66	
		For 10 Fins Per Inch, Add	91.87	
23 82 16 13-0043	EA	12" x 24" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	5,951.27	303.32
		For 12 Fins Per Inch, Add	267.24	
		For 10 Fins Per Inch, Add	106.90	
23 82 16 13-0044	EA	24" x 30" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	8,805.98	540.74
		For 12 Fins Per Inch, Add	386.25	
		For 10 Fins Per Inch, Add	154.50	
23 82 16 13-0045	EA	24" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	11,595.60	829.13
		For 12 Fins Per Inch, Add	496.91	
		For 10 Fins Per Inch, Add	198.76	
23 82 16 13-0046	EA	30" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	13,889.04	1,036.74
		For 12 Fins Per Inch, Add	590.86	
		For 10 Fins Per Inch, Add	236.34	
23 82 16 13-0047	EA	30" x 60" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	16,098.96	1,243.09
		For 12 Fins Per Inch, Add	680.64	
		For 10 Fins Per Inch, Add	272.26	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 13-0048	EA	30" x 72" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing <i>For 12 Fins Per Inch, Add</i> <i>For 10 Fins Per Inch, Add</i>	18,546.55 789.21 315.68	1,381.07
23 82 16 13-0049	EA	30" x 84" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing <i>For 12 Fins Per Inch, Add</i> <i>For 10 Fins Per Inch, Add</i>	15,534.15 616.52 246.61	1,601.97
23 82 16 13-0050	EA	34" x 32" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing <i>For 12 Fins Per Inch, Add</i> <i>For 10 Fins Per Inch, Add</i>	9,827.98 422.03 168.81	693.64
23 82 16 13-0051	EA	34" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing <i>For 12 Fins Per Inch, Add</i> <i>For 10 Fins Per Inch, Add</i>	12,507.47 521.09 208.44	1,042.83
23 82 16 13-0052	EA	34" x 72" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing <i>For 12 Fins Per Inch, Add</i> <i>For 10 Fins Per Inch, Add</i>	15,469.99 616.54 246.62	1,569.52
23 82 16 13-0053	EA	34" x 84" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing <i>For 12 Fins Per Inch, Add</i> <i>For 10 Fins Per Inch, Add</i>	16,938.86 664.14 265.65	1,828.08
23 82 16 14 Electric-Resistance Air Coils (23 82 16)				
23 82 16 14-0001		Standard Electric Slip-In Blast Coil Heater (23 82 16 14)		
23 82 16 14-0002		Electric Slip-In Blast Coil Heater With Open Coil Element (23 82 16 14-0001)		
23 82 16 14-0003	EA	1/2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	682.76	125.32
23 82 16 14-0004	EA	1 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	703.63	135.08
23 82 16 14-0005	EA	2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	728.28	148.10
23 82 16 14-0006	EA	3 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	736.58	152.99
23 82 16 14-0007	EA	4 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	757.88	162.74
23 82 16 14-0008	EA	5 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	782.37	175.77
23 82 16 14-0009	EA	6 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	899.54	196.92
23 82 16 14-0010	EA	7 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	919.39	206.69
23 82 16 14-0011	EA	8 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	935.67	213.20
23 82 16 14-0012	EA	9 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	959.45	226.22
23 82 16 14-0013	EA	10 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	1,047.81	239.24
23 82 16 14-0014	EA	12-1/2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	1,094.14	262.02
23 82 16 14-0015	EA	15 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	1,140.19	284.81
23 82 16 14-0016	EA	20 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	1,187.70	307.59
23 82 16 14-0017	EA	30 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	1,603.99	429.65
23 82 16 14-0018	EA	40 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	2,805.90	457.32
23 82 16 14-0019	EA	50 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	3,088.15	524.05
23 82 16 14-0020	EA	60 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	3,641.64	581.01
23 82 16 14-0021	EA	70 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	3,825.16	631.46
23 82 16 14-0022	EA	80 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	4,191.35	693.30
23 82 16 14-0023	EA	90 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	5,128.52	740.50
23 82 16 14-0024	EA	100 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	5,630.80	795.83
23 82 16 14-0025	EA	125 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	6,817.01	859.30
23 82 16 14-0026	EA	150 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	7,671.45	934.16
23 82 16 14-0027		Electric Slip-In Blast Coil Heater With Finned Tubular Element (23 82 16 14-0001)		
23 82 16 14-0028	EA	1 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,063.36	179.02
23 82 16 14-0029	EA	2 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,099.71	195.29
23 82 16 14-0030	EA	3 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,111.60	195.29
23 82 16 14-0031	EA	4 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,202.96	214.82
23 82 16 14-0032	EA	5 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,252.86	214.82
23 82 16 14-0033	EA	6 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,279.42	214.82
23 82 16 14-0034	EA	8 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,348.38	239.24
23 82 16 14-0035	EA	9 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,413.95	268.54
23 82 16 14-0036	EA	10 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,440.51	268.54
23 82 16 14-0037	EA	15 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,623.59	307.59
23 82 16 14-0038	EA	20 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	2,048.07	307.59
23 82 16 14-0039	EA	25 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	2,177.83	333.63
23 82 16 14-0040	EA	30 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	2,550.79	358.04
23 82 16 14-0041	EA	40 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	3,007.59	358.04
23 82 16 14-0042	EA	45 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	3,277.22	374.32
23 82 16 14-0043	EA	50 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	3,435.60	374.32
23 82 19 Fan Coil Units (23 82)				
23 82 19 00-0001		Ceiling Suspended Horizontal Fan Coil Units (23 82 19)		
Note: Includes cabinet, chilled water coil, baked enamel finish, multispeed fan and fan switch with integral and/or remote thermostat to control valves and on/off and fan speeds. Excludes supports.				
23 82 19 00-0002		Horizontal Fan Coil Units With Electric Heating Coil (23 82 19 00-0001)		
23 82 19 00-0003	EA	200 CFM, 6 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	2,478.82 -55.05	201.38
23 82 19 00-0004	EA	300 CFM, 9 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	2,817.93 -58.45	234.95
23 82 19 00-0005	EA	400 CFM, 12 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	3,347.59 -61.45	264.78
23 82 19 00-0006	EA	600 CFM, 18 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	3,847.79 -65.32	303.32
23 82 19 00-0007	EA	800 CFM, 24 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	4,348.63 -112.81	318.23

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating and Cooling Units**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 82 19 00-0008	EA	1,000 CFM, 30 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	5,604.49	336.87
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-115.39	
23 82 19 00-0009	EA	1,200 CFM, 36 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	6,603.31	365.47
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-119.84	

23 82 19 00-0010 Horizontal Fan Coil Units With Hot Water Heating Coil (23 82 19 00-0001)

23 82 19 00-0011	EA	200 CFM, 6 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	3,634.33	201.38
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-55.05	
23 82 19 00-0012	EA	300 CFM, 9 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	4,090.42	234.95
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-58.45	
23 82 19 00-0013	EA	400 CFM, 12 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	5,055.63	264.78
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-61.45	
23 82 19 00-0014	EA	600 CFM, 18 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	5,467.51	303.32
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-65.32	
23 82 19 00-0015	EA	800 CFM, 24 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	5,833.09	319.48
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-112.81	
23 82 19 00-0016	EA	1,000 CFM, 30 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	7,784.96	336.87
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-115.39	
23 82 19 00-0017	EA	1,200 CFM, 36 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	9,137.92	365.47
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-119.84	
23 82 19 00-0018	EA	1,400 CFM, 42 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	9,745.93	379.14
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-121.87	
23 82 19 00-0019	EA	1,600 CFM, 48 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	10,885.84	394.68
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-124.20	
23 82 19 00-0020	EA	1,800 CFM, 54 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	11,712.92	410.22
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-126.53	

23 82 19 00-0021 Floor Mounted Vertical Fan Coil Units (23 82 19)

Note: Includes cabinet, chilled water coil, baked enamel finish, multispeed fan and fan switch with integral and/or remote thermostat to control valves and on/off and fan speeds.

23 82 19 00-0022 Vertical Fan Coil Units With Electric Heating Coil (23 82 19 00-0021)

23 82 19 00-0023	EA	200 CFM, 6 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	2,388.48	200.14
		<i>For Thru-Wall Sleeve, Add</i>	135.20	
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-55.05	
		<i>For Fan Coil Units Without Cabinet, Deduct</i>	-318.17	
23 82 19 00-0024	EA	300 CFM, 9 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	2,727.59	234.95
		<i>For Thru-Wall Sleeve, Add</i>	148.82	
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-58.45	
		<i>For Fan Coil Units Without Cabinet, Deduct</i>	-362.23	
23 82 19 00-0025	EA	400 CFM, 12 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	3,239.16	264.78
		<i>For Thru-Wall Sleeve, Add</i>	160.79	
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-61.45	
		<i>For Fan Coil Units Without Cabinet, Deduct</i>	-432.98	
23 82 19 00-0026	EA	600 CFM, 18 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	3,723.10	303.32
		<i>For Thru-Wall Sleeve, Add</i>	176.28	
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-65.32	
		<i>For Fan Coil Units Without Cabinet, Deduct</i>	-497.83	
23 82 19 00-0027	EA	800 CFM, 24 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	4,205.90	319.48
		<i>For Thru-Wall Sleeve, Add</i>	182.50	
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-112.81	
		<i>For Fan Coil Units Without Cabinet, Deduct</i>	-567.14	
23 82 19 00-0028	EA	1,000 CFM, 30 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	5,414.77	336.87
		<i>For Thru-Wall Sleeve, Add</i>	189.39	
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-115.39	
		<i>For Fan Coil Units Without Cabinet, Deduct</i>	-745.02	
23 82 19 00-0029	EA	1,200 CFM, 36 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	6,377.46	365.47
		<i>For Thru-Wall Sleeve, Add</i>	201.24	
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-119.84	
		<i>For Fan Coil Units Without Cabinet, Deduct</i>	-883.50	

23 82 19 00-0030 Vertical Fan Coil Units With Hot Water Heating Coil (23 82 19 00-0021)

23 82 19 00-0031	EA	200 CFM, 6 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	3,493.62	200.14
		<i>For Thru-Wall Sleeve, Add</i>	135.20	
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-55.05	
		<i>For Fan Coil Units Without Cabinet, Deduct</i>	-483.94	
23 82 19 00-0032	EA	300 CFM, 9 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	3,932.83	234.95
		<i>For Thru-Wall Sleeve, Add</i>	148.82	
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-58.45	
		<i>For Fan Coil Units Without Cabinet, Deduct</i>	-543.02	
23 82 19 00-0033	EA	400 CFM, 12 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	4,858.64	264.78
		<i>For Thru-Wall Sleeve, Add</i>	160.79	
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-61.45	
		<i>For Fan Coil Units Without Cabinet, Deduct</i>	-675.90	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 19 00-0034	EA	600 CFM, 18 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	5,554.58	303.32
		For Thru-Wall Sleeve, Add.....	176.28	
		For 2-Way Valve Instead Of 3-Way, Deduct.....	-65.32	
		For Fan Coil Units Without Cabinet, Deduct.....	-772.55	
23 82 19 00-0035	EA	800 CFM, 24 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	6,204.20	319.48
		For Thru-Wall Sleeve, Add.....	182.50	
		For 2-Way Valve Instead Of 3-Way, Deduct.....	-112.81	
		For Fan Coil Units Without Cabinet, Deduct.....	-866.88	
23 82 19 00-0036	EA	1,000 CFM, 30 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	7,475.70	336.87
		For Thru-Wall Sleeve, Add.....	189.39	
		For 2-Way Valve Instead Of 3-Way, Deduct.....	-115.39	
		For Fan Coil Units Without Cabinet, Deduct.....	-1,054.16	
23 82 19 00-0037	EA	1,200 CFM, 36 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	8,772.04	365.47
		For Thru-Wall Sleeve, Add.....	201.24	
		For 2-Way Valve Instead Of 3-Way, Deduct.....	-119.84	
		For Fan Coil Units Without Cabinet, Deduct.....	-1,242.68	
23 82 19 00-0038	EA	1,400 CFM, 42 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	9,618.03	379.14
		For Thru-Wall Sleeve, Add.....	206.66	
		For 2-Way Valve Instead Of 3-Way, Deduct.....	-121.87	
		For Fan Coil Units Without Cabinet, Deduct.....	-1,366.88	
23 82 19 00-0039	EA	1,600 CFM, 48 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	10,630.02	394.68
		For Thru-Wall Sleeve, Add.....	212.87	
		For 2-Way Valve Instead Of 3-Way, Deduct.....	-124.20	
		For Fan Coil Units Without Cabinet, Deduct.....	-1,515.57	
23 82 19 00-0040	EA	1,800 CFM, 54 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	11,339.97	394.68
		For Thru-Wall Sleeve, Add.....	219.09	
		For 2-Way Valve Instead Of 3-Way, Deduct.....	-126.53	
		For Fan Coil Units Without Cabinet, Deduct.....	-1,618.95	
23 82 19 00-0041		Hi-Wall Chilled Water Fan Coil Units (23 82 19)		
23 82 19 00-0042	EA	9,000 BTU Hi-Wall Chilled Water Fan Coil Unit (Multi aqua - MHWW-9).....	2,150.97	234.95
		Note: Includes LCD remote and wall bracket.		
23 82 19 00-0043	EA	12,000 BTU Hi-Wall Chilled Water Fan Coil Unit (Multi aqua - MHWW-12).....	2,421.09	264.78
		Note: Includes LCD remote and wall bracket.		
23 82 19 00-0044	EA	18,000 BTU Hi-Wall Chilled Water Fan Coil Unit (Multi aqua - MHWW-18).....	3,416.89	303.32
		Note: Includes LCD remote and wall bracket.		
23 82 19 00-0045	EA	24,000 BTU Hi-Wall Chilled Water Fan Coil Unit (Multi aqua - MHWW-24).....	3,768.88	319.48
		Note: Includes LCD remote and wall bracket.		
23 82 19 00-0046	EA	36,000 BTU Hi-Wall Chilled Water Fan Coil Unit (Multi aqua - MHWW-36).....	4,024.63	336.87
		Note: Includes LCD remote and wall bracket.		
23 82 19 00-0047		Removal And Reinstallation Of Fan Coil Units (23 82 19)		
		Note: Includes storage and cleaning. Excludes supports.		
23 82 19 00-0048	EA	Removal And Reinstallation Of Fan Coil Unit Horizontal Or Vertical.....	528.53	
23 82 29		Radiators (23 82)		
23 82 29 00-0001		Demolish Cast Iron Radiators (23 82 29)		
23 82 29 00-0002	LF	Demolish Cast Iron Radiator.....	37.28	
23 82 29 00-0003	EA	Cap Radiator.....	59.17	
23 82 29 00-0004		Cast Iron Radiator (23 82 29)		
23 82 29 00-0005	EA	19" High Cast Iron Radiator Section, Free Standing.....	62.32	
		For Wall Support Bracket, Add.....	29.70	
23 82 29 00-0006	EA	25" High Cast Iron Radiator Section, Free Standing.....	89.32	
		For Wall Support Bracket, Add.....	31.32	
23 82 29 00-0007	EA	30" High Cast Iron Radiator Section, Free Standing.....	104.25	
23 82 29 00-0008	EA	36" High Cast Iron Radiator Section, Free Standing.....	131.90	
23 82 29 00-0009	EA	20" High Cast Iron Radiator Section, Recessed With Grille.....	85.84	
23 82 29 00-0010		Radiator Covers (23 82 29)		
		Note: Includes field cutouts, vent grilles, and insulation backing. To calculate quantity, measure the surface area of front, top and sides.		
23 82 29 00-0011	SF	14 Gauge Stainless Steel Radiator Cover.....	141.73	8.84
23 82 29 00-0012	SF	Primed And Painted, Galvanized Steel Radiator Cover.....	90.04	8.84
23 82 29 00-0013		Radiator Shields (23 82 29)		
23 82 29 00-0014	SF	Stainless Steel Radiator Shield.....	63.38	8.84
23 82 29 00-0015	SF	Primed And Painted, Galvanized Steel Radiator Shield.....	54.82	8.84
23 82 29 00-0016		Removal And Reinstallation Of Radiator (23 82 29)		
		Note: Includes storage and cleaning.		
23 82 29 00-0017	LF	Removal And Reinstallation Of Cast Iron Radiator.....	93.23	
23 82 29 00-0018	LF	Removal And Reinstallation Of Electric Radiator.....	62.15	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating and Cooling Units**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
23 82 33 Convectors (23 82)**23 82 33 00-0001 Multi-Fin Convectors For Two-Pipe System (23 82 33)**

Note: Complete with 6-1/4" deep cabinet enclosure.

23 82 33 00-0002 20" High Multi-Fin Convectors For Two-Pipe System (23 82 33 00-0001)

23 82 33 00-0003	EA 20" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	597.35	136.74
	For 3 Tubes System, Add	136.56	
	For Metal Trim Strips, Add	68.15	
	For Knob Operated Damper, Add	15.00	
	For Air Chamber, Auto-vent, Add	18.00	
	For Access Doors Hinged, Add	15.00	
	For Snap-On Inlet Grille, Add	51.44	
23 82 33 00-0004	EA 20" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	702.89	149.17
	For 3 Tubes System, Add	166.91	
	For Metal Trim Strips, Add	73.80	
	For Knob Operated Damper, Add	15.00	
	For Air Chamber, Auto-vent, Add	18.00	
	For Access Doors Hinged, Add	15.00	
	For Snap-On Inlet Grille, Add	55.20	
23 82 33 00-0005	EA 20" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	809.12	176.52
	For 3 Tubes System, Add	189.67	
	For Metal Trim Strips, Add	86.16	
	For Knob Operated Damper, Add	15.00	
	For Air Chamber, Auto-vent, Add	18.00	
	For Access Doors Hinged, Add	15.00	
	For Snap-On Inlet Grille, Add	63.44	
23 82 33 00-0006	EA 20" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	968.37	205.11
	For 3 Tubes System, Add	230.17	
	For Metal Trim Strips, Add	99.22	
	For Knob Operated Damper, Add	15.00	
	For Air Chamber, Auto-vent, Add	18.00	
	For Access Doors Hinged, Add	15.00	
	For Snap-On Inlet Grille, Add	72.15	
23 82 33 00-0007	EA 20" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,154.91	246.13
	For 3 Tubes System, Add	273.72	
	For Metal Trim Strips, Add	117.86	
	For Knob Operated Damper, Add	15.00	
	For Air Chamber, Auto-vent, Add	18.00	
	For Access Doors Hinged, Add	15.00	
	For Snap-On Inlet Grille, Add	84.57	
23 82 33 00-0008	EA 20" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,298.79	270.75
	For 3 Tubes System, Add	311.04	
	For Metal Trim Strips, Add	129.03	
	For Knob Operated Damper, Add	15.00	
	For Air Chamber, Auto-vent, Add	18.00	
	For Access Doors Hinged, Add	15.00	
	For Snap-On Inlet Grille, Add	92.02	
23 82 33 00-0009	EA 20" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,510.18	328.17
	For 3 Tubes System, Add	354.59	
	For Metal Trim Strips, Add	155.12	
	For Knob Operated Damper, Add	15.00	
	For Air Chamber, Auto-vent, Add	18.00	
	For Access Doors Hinged, Add	15.00	
	For Snap-On Inlet Grille, Add	109.41	
23 82 33 00-0010	EA 20" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,647.91	348.68
	For 3 Tubes System, Add	391.91	
	For Metal Trim Strips, Add	164.45	
	For Knob Operated Damper, Add	15.00	
	For Air Chamber, Auto-vent, Add	18.00	
	For Access Doors Hinged, Add	15.00	
	For Snap-On Inlet Grille, Add	115.63	
23 82 33 00-0011	EA 20" High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,798.88	389.71
	For 3 Tubes System, Add	423.02	
	For Metal Trim Strips, Add	183.08	
	For Knob Operated Damper, Add	15.00	
	For Air Chamber, Auto-vent, Add	18.00	
	For Access Doors Hinged, Add	15.00	
	For Snap-On Inlet Grille, Add	128.05	
23 82 33 00-0012	EA 20" High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,985.51	430.73
	For 3 Tubes System, Add	466.56	
	For Metal Trim Strips, Add	201.74	
	For Knob Operated Damper, Add	15.00	
	For Air Chamber, Auto-vent, Add	18.00	
	For Access Doors Hinged, Add	15.00	
	For Snap-On Inlet Grille, Add	140.49	
23 82 33 00-0013	EA 20" High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,136.49	471.75
	For 3 Tubes System, Add	497.67	
	For Metal Trim Strips, Add	220.37	
	For Knob Operated Damper, Add	15.00	
	For Air Chamber, Auto-vent, Add	18.00	
	For Access Doors Hinged, Add	15.00	
	For Snap-On Inlet Grille, Add	152.92	

23 82 33 00-0014 26" High Multi-Fin Convectors For Two-Pipe System (23 82 33 00-0001)

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 33 00-0015	EA	26" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	703.30	179.87
		For 3 Tubes System, Add	151.74	
		For Metal Trim Strips, Add	86.93	
		For Knob Operated Damper, Add	15.00	
		For Air Chamber, Auto-vent, Add	18.00	
		For Access Doors Hinged, Add	15.00	
		For Snap-On Inlet Grille, Add	63.95	
23 82 33 00-0016	EA	26" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	825.62	208.96
		For 3 Tubes System, Add	179.32	
		For Metal Trim Strips, Add	99.98	
		For Knob Operated Damper, Add	15.00	
		For Air Chamber, Auto-vent, Add	18.00	
		For Access Doors Hinged, Add	15.00	
		For Snap-On Inlet Grille, Add	72.65	
23 82 33 00-0017	EA	26" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	998.37	245.39
		For 3 Tubes System, Add	220.71	
		For Metal Trim Strips, Add	116.33	
		For Knob Operated Damper, Add	15.00	
		For Air Chamber, Auto-vent, Add	18.00	
		For Access Doors Hinged, Add	15.00	
		For Snap-On Inlet Grille, Add	83.56	
23 82 33 00-0018	EA	26" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,169.26	273.61
		For 3 Tubes System, Add	265.74	
		For Metal Trim Strips, Add	129.00	
		For Knob Operated Damper, Add	15.00	
		For Air Chamber, Auto-vent, Add	18.00	
		For Access Doors Hinged, Add	15.00	
		For Snap-On Inlet Grille, Add	92.00	
23 82 33 00-0019	EA	26" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,364.00	307.67
		For 3 Tubes System, Add	316.02	
		For Metal Trim Strips, Add	144.32	
		For Knob Operated Damper, Add	15.00	
		For Air Chamber, Auto-vent, Add	18.00	
		For Access Doors Hinged, Add	15.00	
		For Snap-On Inlet Grille, Add	102.22	
23 82 33 00-0020	EA	26" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,525.68	333.27
		For 3 Tubes System, Add	359.12	
		For Metal Trim Strips, Add	155.89	
		For Knob Operated Damper, Add	15.00	
		For Air Chamber, Auto-vent, Add	18.00	
		For Access Doors Hinged, Add	15.00	
		For Snap-On Inlet Grille, Add	109.93	
23 82 33 00-0021	EA	26" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,739.93	379.76
		For 3 Tubes System, Add	409.40	
		For Metal Trim Strips, Add	177.07	
		For Knob Operated Damper, Add	15.00	
		For Air Chamber, Auto-vent, Add	18.00	
		For Access Doors Hinged, Add	15.00	
		For Snap-On Inlet Grille, Add	124.05	
23 82 33 00-0022	EA	26" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,897.43	403.01
		For 3 Tubes System, Add	452.49	
		For Metal Trim Strips, Add	187.38	
		For Knob Operated Damper, Add	15.00	
		For Air Chamber, Auto-vent, Add	18.00	
		For Access Doors Hinged, Add	15.00	
		For Snap-On Inlet Grille, Add	130.92	
23 82 33 00-0023	EA	26" High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,053.84	439.43
		For 3 Tubes System, Add	488.40	
		For Metal Trim Strips, Add	203.52	
		For Knob Operated Damper, Add	15.00	
		For Air Chamber, Auto-vent, Add	18.00	
		For Access Doors Hinged, Add	15.00	
		For Snap-On Inlet Grille, Add	141.68	
23 82 33 00-0024	EA	26" High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,251.85	475.11
		For 3 Tubes System, Add	538.67	
		For Metal Trim Strips, Add	219.83	
		For Knob Operated Damper, Add	15.00	
		For Air Chamber, Auto-vent, Add	18.00	
		For Access Doors Hinged, Add	15.00	
		For Snap-On Inlet Grille, Add	152.56	
23 82 33 00-0025	EA	26" High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,403.38	507.80
		For 3 Tubes System, Add	574.59	
		For Metal Trim Strips, Add	234.51	
		For Knob Operated Damper, Add	15.00	
		For Air Chamber, Auto-vent, Add	18.00	
		For Access Doors Hinged, Add	15.00	
		For Snap-On Inlet Grille, Add	162.34	
23 82 33 00-0026		32" High Multi-Fin Convectors For Two-Pipe System (23 82 33 00-0001)		
23 82 33 00-0027	EA	32" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	808.20	218.79
		For 3 Tubes System, Add	166.91	
		For Metal Trim Strips, Add	105.40	
		For Knob Operated Damper, Add	15.00	
		For Air Chamber, Auto-vent, Add	18.00	
		For Access Doors Hinged, Add	15.00	
		For Snap-On Inlet Grille, Add	76.26	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating and Cooling Units**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 82 33 00-0028	EA	32" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	964.59	264.78
		For 3 Tubes System, Add	197.26	
		For Metal Trim Strips, Add	126.30	
		For Knob Operated Damper, Add	15.00	
		For Air Chamber, Auto-vent, Add	18.00	
		For Access Doors Hinged, Add	15.00	
		For Snap-On Inlet Grille, Add	90.20	
23 82 33 00-0029	EA	32" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,162.37	309.53
		For 3 Tubes System, Add	242.77	
		For Metal Trim Strips, Add	146.62	
		For Knob Operated Damper, Add	15.00	
		For Air Chamber, Auto-vent, Add	18.00	
		For Access Doors Hinged, Add	15.00	
		For Snap-On Inlet Grille, Add	103.75	
23 82 33 00-0030	EA	32" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,344.82	336.38
		For 3 Tubes System, Add	292.32	
		For Metal Trim Strips, Add	158.89	
		For Knob Operated Damper, Add	15.00	
		For Air Chamber, Auto-vent, Add	18.00	
		For Access Doors Hinged, Add	15.00	
		For Snap-On Inlet Grille, Add	111.93	
23 82 33 00-0031	EA	32" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,543.43	363.48
		For 3 Tubes System, Add	347.62	
		For Metal Trim Strips, Add	171.07	
		For Knob Operated Damper, Add	15.00	
		For Air Chamber, Auto-vent, Add	18.00	
		For Access Doors Hinged, Add	15.00	
		For Snap-On Inlet Grille, Add	120.05	
23 82 33 00-0032	EA	32" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,718.90	389.71
		For 3 Tubes System, Add	395.02	
		For Metal Trim Strips, Add	183.08	
		For Knob Operated Damper, Add	15.00	
		For Air Chamber, Auto-vent, Add	18.00	
		For Access Doors Hinged, Add	15.00	
		For Snap-On Inlet Grille, Add	128.05	
23 82 33 00-0033	EA	32" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,926.89	422.52
		For 3 Tubes System, Add	450.33	
		For Metal Trim Strips, Add	198.07	
		For Knob Operated Damper, Add	15.00	
		For Air Chamber, Auto-vent, Add	18.00	
		For Access Doors Hinged, Add	15.00	
		For Snap-On Inlet Grille, Add	138.05	
23 82 33 00-0034	EA	32" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,103.61	449.62
		For 3 Tubes System, Add	497.73	
		For Metal Trim Strips, Add	210.46	
		For Knob Operated Damper, Add	15.00	
		For Air Chamber, Auto-vent, Add	18.00	
		For Access Doors Hinged, Add	15.00	
		For Snap-On Inlet Grille, Add	146.30	
23 82 33 00-0035	EA	32" High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,261.22	479.96
		For 3 Tubes System, Add	537.23	
		For Metal Trim Strips, Add	223.88	
		For Knob Operated Damper, Add	15.00	
		For Air Chamber, Auto-vent, Add	18.00	
		For Access Doors Hinged, Add	15.00	
		For Snap-On Inlet Grille, Add	155.25	
23 82 33 00-0036	EA	32" High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,463.91	508.67
		For 3 Tubes System, Add	592.54	
		For Metal Trim Strips, Add	237.29	
		For Knob Operated Damper, Add	15.00	
		For Air Chamber, Auto-vent, Add	18.00	
		For Access Doors Hinged, Add	15.00	
		For Snap-On Inlet Grille, Add	164.19	
23 82 33 00-0037	EA	32" High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,613.45	533.29
		For 3 Tubes System, Add	632.04	
		For Metal Trim Strips, Add	248.29	
		For Knob Operated Damper, Add	15.00	
		For Air Chamber, Auto-vent, Add	18.00	
		For Access Doors Hinged, Add	15.00	
		For Snap-On Inlet Grille, Add	171.52	

23 82 33 00-0038 Electric Convectors, Floor Standing Units (23 82 33)**23 82 33 00-0039 4" Deep Electric Convectors (23 82 33 00-0038)**

23 82 33 00-0040	EA	38" Long x 14" High x 4" Deep Electric Convectors, Floor Standing Units	700.99	174.77
23 82 33 00-0041	EA	50" Long x 14" High x 4" Deep Electric Convectors, Floor Standing Units	766.93	174.77

23 82 33 00-0042 6" Deep Electric Convectors (23 82 33 00-0038)

23 82 33 00-0043	EA	38" Long x 14" High x 6" Deep Electric Convectors, Floor Standing Units	797.36	174.77
23 82 33 00-0044	EA	50" Long x 14" High x 6" Deep Electric Convectors, Floor Standing Units	898.80	174.77
23 82 33 00-0045	EA	62" Long x 20" High x 6" Deep Electric Convectors, Floor Standing Units	987.56	174.77
23 82 33 00-0046	EA	74" Long x 20" High x 6" Deep Electric Convectors, Floor Standing Units	1,127.04	174.77

23 82 36 Finned-Tube Radiation Heaters (23 82)**23 82 36 00-0001 Finned Tube Baseboard Units (23 82 36)**

Note: Complete with steel enclosure. Single heating element.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 36 00-0002		3/4" IPS Steel Tube With Steel Fins (23 82 36 00-0001)		
23 82 36 00-0003	EA	4' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	386.27	48.48
		For 90 Degree Corner, Add	56.91	
		For Copper Tube With Aluminum Fins, Add	8.35	
		For Filler Piece, Add	49.91	
		For End Cap, Add	38.49	
		For Valve Enclosure, Add	56.91	
23 82 36 00-0004	EA	6' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	510.11	73.34
		For 90 Degree Corner, Add	66.50	
		For Copper Tube With Aluminum Fins, Add	12.52	
		For Filler Piece, Add	59.50	
		For End Cap, Add	44.73	
		For Valve Enclosure, Add	66.50	
23 82 36 00-0005	EA	8' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	614.23	96.96
		For 90 Degree Corner, Add	72.15	
		For Copper Tube With Aluminum Fins, Add	16.69	
		For Filler Piece, Add	65.15	
		For End Cap, Add	48.40	
		For Valve Enclosure, Add	72.15	
23 82 36 00-0006	EA	10' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	765.17	135.75
		For 90 Degree Corner, Add	87.57	
		For Copper Tube With Aluminum Fins, Add	20.75	
		For Filler Piece, Add	80.57	
		For End Cap, Add	58.42	
		For Valve Enclosure, Add	87.57	
23 82 36 00-0007	EA	12' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	915.34	163.09
		For 90 Degree Corner, Add	103.23	
		For Copper Tube With Aluminum Fins, Add	24.71	
		For Filler Piece, Add	96.23	
		For End Cap, Add	68.60	
		For Valve Enclosure, Add	103.23	
23 82 36 00-0008	EA	14' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	1,036.28	174.03
		For 90 Degree Corner, Add	109.45	
		For Copper Tube With Aluminum Fins, Add	29.65	
		For Filler Piece, Add	102.45	
		For End Cap, Add	72.64	
		For Valve Enclosure, Add	109.45	
23 82 36 00-0009	EA	16' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	1,142.41	192.31
		For 90 Degree Corner, Add	119.89	
		For Copper Tube With Aluminum Fins, Add	32.61	
		For Filler Piece, Add	112.89	
		For End Cap, Add	79.43	
		For Valve Enclosure, Add	119.89	
23 82 36 00-0010	EA	18' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	1,304.33	217.54
		For 90 Degree Corner, Add	134.31	
		For Copper Tube With Aluminum Fins, Add	37.55	
		For Filler Piece, Add	127.31	
		For End Cap, Add	88.80	
		For Valve Enclosure, Add	134.31	
23 82 36 00-0011	EA	20' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	1,438.42	239.29
		For 90 Degree Corner, Add	146.75	
		For Copper Tube With Aluminum Fins, Add	41.51	
		For Filler Piece, Add	139.75	
		For End Cap, Add	96.89	
		For Valve Enclosure, Add	146.75	
23 82 36 00-0012		1" IPS Steel Tube With Steel Fins (23 82 36 00-0001)		
23 82 36 00-0013	EA	4' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	451.30	48.48
		For 90 Degree Corner, Add	56.91	
		For Copper Tube With Aluminum Fins, Add	11.92	
		For Filler Piece, Add	49.91	
		For End Cap, Add	38.49	
		For Valve Enclosure, Add	56.91	
23 82 36 00-0014	EA	6' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	607.66	73.34
		For 90 Degree Corner, Add	66.50	
		For Copper Tube With Aluminum Fins, Add	17.88	
		For Filler Piece, Add	59.50	
		For End Cap, Add	44.73	
		For Valve Enclosure, Add	66.50	
23 82 36 00-0015	EA	8' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	744.30	96.96
		For 90 Degree Corner, Add	72.15	
		For Copper Tube With Aluminum Fins, Add	23.84	
		For Filler Piece, Add	65.15	
		For End Cap, Add	48.40	
		For Valve Enclosure, Add	72.15	
23 82 36 00-0016	EA	10' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	927.03	135.75
		For 90 Degree Corner, Add	87.60	
		For Copper Tube With Aluminum Fins, Add	29.65	
		For Filler Piece, Add	80.60	
		For End Cap, Add	58.44	
		For Valve Enclosure, Add	87.60	
23 82 36 00-0017	EA	12' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	1,107.65	163.09
		For 90 Degree Corner, Add	103.18	
		For Copper Tube With Aluminum Fins, Add	35.30	
		For Filler Piece, Add	96.18	
		For End Cap, Add	68.57	
		For Valve Enclosure, Add	103.18	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating and Cooling Units**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 82 36 00-0018	EA	14' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	1,267.32	174.03
		For 90 Degree Corner, Add	109.45	
		For Copper Tube With Aluminum Fins, Add	42.35	
		For Filler Piece, Add	102.45	
		For End Cap, Add	72.64	
		For Valve Enclosure, Add	109.45	
23 82 36 00-0019	EA	16' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	1,396.15	192.31
		For 90 Degree Corner, Add	119.81	
		For Copper Tube With Aluminum Fins, Add	46.59	
		For Filler Piece, Add	112.81	
		For End Cap, Add	79.38	
		For Valve Enclosure, Add	119.81	
23 82 36 00-0020	EA	18' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	1,596.97	217.54
		For 90 Degree Corner, Add	134.31	
		For Copper Tube With Aluminum Fins, Add	53.65	
		For Filler Piece, Add	127.31	
		For End Cap, Add	88.80	
		For Valve Enclosure, Add	134.31	
23 82 36 00-0021	EA	20' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	1,761.13	239.29
		For 90 Degree Corner, Add	146.60	
		For Copper Tube With Aluminum Fins, Add	59.30	
		For Filler Piece, Add	139.60	
		For End Cap, Add	96.79	
		For Valve Enclosure, Add	146.60	

23 82 36 00-0022 1-1/4" IPS Steel Tube With Steel Fins (23 82 36 00-0001)

23 82 36 00-0023	EA	4' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	516.33	48.48
		For 90 Degree Corner, Add	56.91	
		For Copper Tube With Aluminum Fins, Add	15.50	
		For Filler Piece, Add	49.91	
		For End Cap, Add	38.49	
		For Valve Enclosure, Add	56.91	
23 82 36 00-0024	EA	6' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	705.21	73.34
		For 90 Degree Corner, Add	66.50	
		For Copper Tube With Aluminum Fins, Add	23.25	
		For Filler Piece, Add	59.50	
		For End Cap, Add	44.73	
		For Valve Enclosure, Add	66.50	
23 82 36 00-0025	EA	8' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	874.35	96.96
		For 90 Degree Corner, Add	72.15	
		For Copper Tube With Aluminum Fins, Add	31.00	
		For Filler Piece, Add	65.15	
		For End Cap, Add	48.40	
		For Valve Enclosure, Add	72.15	
23 82 36 00-0026	EA	10' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	1,088.75	135.75
		For 90 Degree Corner, Add	87.60	
		For Copper Tube With Aluminum Fins, Add	38.54	
		For Filler Piece, Add	80.60	
		For End Cap, Add	58.44	
		For Valve Enclosure, Add	87.60	
23 82 36 00-0027	EA	12' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	1,300.17	163.09
		For 90 Degree Corner, Add	103.18	
		For Copper Tube With Aluminum Fins, Add	45.88	
		For Filler Piece, Add	96.18	
		For End Cap, Add	68.57	
		For Valve Enclosure, Add	103.18	
23 82 36 00-0028	EA	14' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	1,498.34	174.03
		For 90 Degree Corner, Add	109.45	
		For Copper Tube With Aluminum Fins, Add	55.06	
		For Filler Piece, Add	102.45	
		For End Cap, Add	72.64	
		For Valve Enclosure, Add	109.45	
23 82 36 00-0029	EA	16' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	1,650.27	192.31
		For 90 Degree Corner, Add	119.81	
		For Copper Tube With Aluminum Fins, Add	60.57	
		For Filler Piece, Add	112.81	
		For End Cap, Add	79.38	
		For Valve Enclosure, Add	119.81	
23 82 36 00-0030	EA	18' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	1,889.60	217.54
		For 90 Degree Corner, Add	134.31	
		For Copper Tube With Aluminum Fins, Add	69.74	
		For Filler Piece, Add	127.31	
		For End Cap, Add	88.80	
		For Valve Enclosure, Add	134.31	
23 82 36 00-0031	EA	20' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	2,084.56	239.29
		For 90 Degree Corner, Add	146.60	
		For Copper Tube With Aluminum Fins, Add	77.08	
		For Filler Piece, Add	139.60	
		For End Cap, Add	96.79	
		For Valve Enclosure, Add	146.60	

23 82 36 00-0032 Electric Baseboard Heating (23 82 36)
 Note: Includes 24 gauge steel enclosure and heating element
23 82 36 00-0033 Electric Wall Heating 10" Enclosure (23 82 36 00-0032)

23 82 36 00-0034	LF	Electric Wall Heating, 10" Enclosure, Low Capacity Electric Unit, Element <250 Watts/FT	193.12	97.10
23 82 36 00-0035	LF	Electric Wall Heating, 10" Enclosure, Low Capacity Electric Unit, Element >= 250 Watts/FT	196.17	97.10

MINOR		CSI UOM DESCRIPTION		TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
23 82 36 00-0036		Electric Wall Heating 16" Enclosure (23 82 36 00-0032)			
23 82 36 00-0037	LF	Electric Wall Heating, 16" Enclosure, Low Capacity Electric Unit, Element <350 Watts/FT		223.55	97.10
23 82 36 00-0038	LF	Electric Wall Heating, 16" Enclosure, Low Capacity Electric Unit, Element >= 350 Watts/FT		231.16	97.10
23 82 39		Unit Heaters (23 82)			
23 82 39 13		Cabinet Unit Heaters (23 82 39)			
23 82 39 13-0001		Electric Cabinet Unit Heaters (23 82 39 13)			
		Note: Can be mounted on the ceiling, floor or wall. Includes built-in thermostat. 208, 240/208, 277, or 480 Volt.			
23 82 39 13-0002		Electric Cabinet Unit Heaters, 35" Cabinet Length (23 82 39 13-0001)			
23 82 39 13-0003	EA	2 KW, 250 CFM, 35" Electric Cabinet Unit Heater		3,213.30	220.67
		Note: Wall or floor mounted.			
23 82 39 13-0004	EA	3 KW, 250 CFM, 35" Electric Cabinet Unit Heater		3,237.63	220.67
		Note: Wall or floor mounted.			
23 82 39 13-0005	EA	4 KW, 250 CFM, 35" Electric Cabinet Unit Heater		3,261.96	220.67
		Note: Wall or floor mounted.			
23 82 39 13-0006	EA	5 KW, 250 CFM, 35" Electric Cabinet Unit Heater		3,286.27	220.67
		Note: Wall or floor mounted.			
23 82 39 13-0007	EA	6 KW, 250 CFM, 35" Electric Cabinet Unit Heater		3,310.60	220.67
		Note: Wall or floor mounted.			
23 82 39 13-0008	EA	7 KW, 250 CFM, 35" Electric Cabinet Unit Heater		3,334.93	220.67
		Note: Wall or floor mounted.			
23 82 39 13-0009	EA	8 KW, 250 CFM, 35" Electric Cabinet Unit Heater		3,360.22	220.67
23 82 39 13-0010	EA	For Ceiling Installation of 35" Cabinet Unit Heater, Add		294.81	146.53
23 82 39 13-0011		Electric Cabinet Unit Heaters, 45" Cabinet Length (23 82 39 13-0001)			
23 82 39 13-0012	EA	4 KW, 500 CFM, 45" Electric Cabinet Unit Heater		3,432.92	264.80
		Note: Wall or floor mounted.			
23 82 39 13-0013	EA	6 KW, 500 CFM, 45" Electric Cabinet Unit Heater		3,481.58	264.80
		Note: Wall or floor mounted.			
23 82 39 13-0014	EA	8 KW, 500 CFM, 45" Electric Cabinet Unit Heater		3,530.21	264.80
		Note: Wall or floor mounted.			
23 82 39 13-0015	EA	10 KW, 500 CFM, 45" Electric Cabinet Unit Heater		3,578.87	264.80
		Note: Wall or floor mounted.			
23 82 39 13-0016	EA	12 KW, 500 CFM, 45" Electric Cabinet Unit Heater		3,627.51	264.80
		Note: Wall or floor mounted.			
23 82 39 13-0017	EA	14 KW, 500 CFM, 45" Electric Cabinet Unit Heater		3,676.17	264.80
		Note: Wall or floor mounted.			
23 82 39 13-0018	EA	16 KW, 500 CFM, 45" Electric Cabinet Unit Heater		3,724.81	264.80
		Note: Wall or floor mounted.			
23 82 39 13-0019	EA	For Ceiling Installation of 45" Cabinet Unit Heater, Add		353.07	176.54
23 82 39 13-0020		Electric Cabinet Unit Heaters, 58" Cabinet Length (23 82 39 13-0001)			
23 82 39 13-0021	EA	6 KW, 750 CFM, 58" Electric Cabinet Unit Heater		4,322.63	353.07
		Note: Wall or floor mounted.			
23 82 39 13-0022	EA	8 KW, 750 CFM, 58" Electric Cabinet Unit Heater		4,371.26	353.07
		Note: Wall or floor mounted.			
23 82 39 13-0023	EA	10 KW, 750 CFM, 58" Electric Cabinet Unit Heater		4,419.92	353.07
		Note: Wall or floor mounted.			
23 82 39 13-0024	EA	12 KW, 750 CFM, 58" Electric Cabinet Unit Heater		4,468.56	353.07
		Note: Wall or floor mounted.			
23 82 39 13-0025	EA	14 KW, 750 CFM, 58" Electric Cabinet Unit Heater		4,517.22	353.07
		Note: Wall or floor mounted.			
23 82 39 13-0026	EA	16 KW, 750 CFM, 58" Electric Cabinet Unit Heater		4,565.86	353.07
		Note: Wall or floor mounted.			
23 82 39 13-0027	EA	For Ceiling Installation of 58" Cabinet Unit Heater, Add		441.34	220.67
23 82 39 13-0028		Electric Cabinet Unit Heaters, 68" Cabinet Length (23 82 39 13-0001)			
23 82 39 13-0029	EA	6 KW, 750 CFM, 68" Electric Cabinet Unit Heater		5,115.06	441.34
		Note: Wall or floor mounted.			
23 82 39 13-0030	EA	9 KW, 750 CFM, 68" Electric Cabinet Unit Heater		5,188.03	441.34
		Note: Wall or floor mounted.			
23 82 39 13-0031	EA	12 KW, 750 CFM, 68" Electric Cabinet Unit Heater		5,260.99	441.34
		Note: Wall or floor mounted.			
23 82 39 13-0032	EA	15 KW, 750 CFM, 68" Electric Cabinet Unit Heater		5,333.96	441.34
		Note: Wall or floor mounted.			
23 82 39 13-0033	EA	18 KW, 750 CFM, 68" Electric Cabinet Unit Heater		5,406.95	441.34
		Note: Wall or floor mounted.			
23 82 39 13-0034	EA	21 KW, 750 CFM, 68" Electric Cabinet Unit Heater		5,479.92	441.34
		Note: Wall or floor mounted.			
23 82 39 13-0035	EA	24 KW, 750 CFM, 68" Electric Cabinet Unit Heater		5,552.88	441.34
		Note: Wall or floor mounted.			
23 82 39 13-0036	EA	For Ceiling Installation of 68" Cabinet Unit Heater, Add		589.63	294.81
23 82 39 13-0037		Electric Cabinet Unit Heaters, 78" Cabinet Length (23 82 39 13-0001)			
23 82 39 13-0038	EA	8 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater		6,004.77	529.61
		Note: Wall or floor mounted.			
23 82 39 13-0039	EA	12 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater		6,102.07	529.61
		Note: Wall or floor mounted.			

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating and Cooling Units**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 82 39 13-0040	EA	16 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	6,199.36	529.61
23 82 39 13-0041	EA	20 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	6,296.66	529.61
23 82 39 13-0042	EA	24 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	6,393.95	529.61
23 82 39 13-0043	EA	28 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	6,491.25	529.61
23 82 39 13-0044	EA	32 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	6,588.55	529.61
23 82 39 13-0045	EA	For Ceiling Installation of 78" Cabinet Unit Heater, Add	706.13	353.07

23 82 39 13-0046 Removal and Reinstallation of Cabinet Unit Heaters (23 82 39 13)

Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.

23 82 39 13-0047	EA	Removal And Reinstallation Of Up To 58" Cabinet Unit Heater, Floor or Wall.....	341.85	
23 82 39 13-0048	EA	Removal And Reinstallation Of >58" Cabinet Unit Heater, Floor or Wall	590.48	
23 82 39 13-0049	EA	Removal And Reinstallation Of Up To 58" Cabinet Unit Heater, Ceiling	704.83	
23 82 39 13-0050	EA	Removal And Reinstallation Of >58" Cabinet Unit Heater, Ceiling	953.44	

23 82 39 16 Propeller Unit Heaters (23 82 39)**23 82 39 16-0001 Hydronic Unit Heaters Using Steam Or Hot Water (23 82 39 16)**

Note: For use with either steam or heating hot water. Heating output capacities for both are listed.

23 82 39 16-0002 Horizontal Hydronic Unit Heaters, Fan Propelled, 115 Volt (23 82 39 16-0001)

23 82 39 16-0003	EA	18 MBH Steam, 13 MBH Hot Water, 395 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,322.38	124.31
23 82 39 16-0004	EA	24 MBH Steam, 17.4 MBH Hot Water, 450 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,325.31	124.31
23 82 39 16-0005	EA	36 MBH Steam, 26.1 MBH Hot Water, 550 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,493.66	124.31
23 82 39 16-0006	EA	48 MBH Steam, 34.8 MBH Hot Water, 750 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,793.18	186.46
23 82 39 16-0007	EA	60 MBH Steam, 43.6 MBH Hot Water, 900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,879.31	186.46
23 82 39 16-0008	EA	72 MBH Steam, 52.3 MBH Hot Water, 1,100 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	2,007.57	186.46
23 82 39 16-0009	EA	84 MBH Steam, 61 MBH Hot Water, 2,400 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	2,384.38	248.62
23 82 39 16-0010	EA	96 MBH Steam, 69.7 MBH Hot Water, 2,400 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	2,642.78	248.62
23 82 39 16-0011	EA	108 MBH Steam, 78.4 MBH Hot Water, 2,800 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	2,807.22	248.62
23 82 39 16-0012	EA	120 MBH Steam, 87.1 MBH Hot Water, 2,900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	2,940.34	248.62
23 82 39 16-0013	EA	132 MBH Steam, 95.8 MBH Hot Water, 2,000 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	3,287.81	310.77
23 82 39 16-0014	EA	144 MBH Steam, 104 MBH Hot Water, 2,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	3,332.85	310.77
23 82 39 16-0015	EA	156 MBH Steam, 113 MBH Hot Water, 2,600 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	3,375.92	310.77
23 82 39 16-0016	EA	180 MBH Steam, 118 MBH Hot Water, 2,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	3,553.01	372.93
23 82 39 16-0017	EA	204 MBH Steam, 148 MBH Hot Water, 2,900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	3,889.72	372.93
23 82 39 16-0018	EA	240 MBH Steam, 174 MBH Hot Water, 3,500 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	4,427.26	435.08
23 82 39 16-0019	EA	280 MBH Steam, 209.1 MBH Hot Water, 4,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	5,646.84	435.08
23 82 39 16-0020	EA	300 MBH Steam, 230 MBH Hot Water, 5,000 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	5,970.72	497.24
23 82 39 16-0021	EA	360 MBH Steam, 261.3 MBH Hot Water, 5,500 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	7,223.59	497.24
23 82 39 16-0022	EA	Fan Guard For Fan Propelled Steam Unit Heater, Horizontal.....	273.35	31.08

Note: Required only for unit heaters located within 7' of a working surface.

23 82 39 16-0023 Vertical Hydronic Unit Heaters, Fan Propelled, 115 Volt (23 82 39 16-0001)

23 82 39 16-0024	EA	41.3 MBH Steam, 22.7 MBH Hot Water, 595 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	1,908.70	124.31
23 82 39 16-0025	EA	65.5 MBH Steam, 39.6 MBH Hot Water, 989 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	2,001.67	186.46
23 82 39 16-0026	EA	80.6 MBH Steam, 48.4 MBH Hot Water, 1,200 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	2,171.02	186.46
23 82 39 16-0027	EA	101.8 MBH Steam, 68.3 MBH Hot Water, 1,490 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	2,648.68	248.62
23 82 39 16-0028	EA	124.4 MBH Steam, 83.7 MBH Hot Water, 1,790 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	2,815.05	248.62
23 82 39 16-0029	EA	152 MBH Steam, 105.2 MBH Hot Water, 2,220 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	3,251.53	372.93
23 82 39 16-0030	EA	173 MBH Steam, 118.6 MBH Hot Water, 2,620 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	3,506.02	372.93
23 82 39 16-0031	EA	210.2 MBH Steam, 139.7 MBH Hot Water, 3,200 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	3,719.42	372.93
23 82 39 16-0032	EA	249.8 MBH Steam, 180.1 MBH Hot Water, 4,180 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	4,135.56	435.08
23 82 39 16-0033	EA	283.8 MBH Steam, 205.4 MBH Hot Water, 4,430 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	4,388.11	435.08
23 82 39 16-0034	EA	333.4 MBH Steam, 242.9 MBH Hot Water, 5,210 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	4,899.03	435.08
23 82 39 16-0035	EA	386 MBH Steam, 280.8 MBH Hot Water, 6,140 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	5,613.46	559.38
23 82 39 16-0036	EA	496 MBH Steam, 368.1 MBH Hot Water, 8,020 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	7,312.67	559.38
23 82 39 16-0037	EA	585 MBH Steam, 431.1 MBH Hot Water, 9,450 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	7,833.39	559.38
23 82 39 16-0038	EA	705 MBH Steam, 519.4 MBH Hot Water, 11,000 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	8,932.59	621.54
23 82 39 16-0039	EA	Fan Guard For Fan Propelled Steam Unit Heater, Vertical.....	375.85	31.08

Note: Required only for unit heaters located within 7' of a working surface.

23 82 39 16-0040 Removal and Reinstallation of Propeller Unit Heaters (23 82 39 16)

Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.

23 82 39 16-0041	EA	Removal And Reinstallation Of Up To 120 MBH Steam, 87.1 MBH Hot Water Hydronic Unit Heater, Horizontal or Vertical.....	745.85	
23 82 39 16-0042	EA	Removal And Reinstallation Of >120 MBH Steam, 87.1 MBH Hot Water Hydronic Unit Heater, Horizontal or Vertical.....	994.47	

23 82 39 19 Wall and Ceiling Unit Heaters (23 82 39)**23 82 39 19-0001 Electric Unit Heaters (23 82 39 19)**

Note: May be mounted both vertically and horizontally.

23 82 39 19-0002	EA	3 KW, 350 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	1,002.39	176.54
23 82 39 19-0003	EA	5 KW, 350 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	1,002.39	176.54
23 82 39 19-0004	EA	7.5 KW, 650 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	1,335.10	220.67

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 39 19-0005	EA	10 KW, 650 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	1,538.16	264.80
23 82 39 19-0006	EA	15 KW, 910 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	2,224.84	353.07
23 82 39 19-0007	EA	20 KW, 1,320 CFM Electric Unit Heater, 208, 240/208, 277, or 480 Volt	3,198.02	441.34
23 82 39 19-0008	EA	30 KW, 2,100 CFM Electric Unit Heater, Two speed; 208, 240/208, 277, or 480 Volt	4,367.42	529.61
23 82 39 19-0009	EA	50 KW, 3,000 CFM Electric Unit Heater, Two speed; 208, 240/208, 277, or 480 Volt	6,292.35	617.87
23 82 39 19-0010	EA	3 KW, 350 CFM Electric Unit Heater - 480 Volt	1,213.48	176.54
23 82 39 19-0011	EA	5 KW, 350 CFM Electric Unit Heater - 480 Volt	1,172.27	176.54
23 82 39 19-0012	EA	7.5 KW, 650 CFM Electric Unit Heater - 480 Volt	1,395.43	220.67
23 82 39 19-0013	EA	10 KW, 650 CFM Electric Unit Heater - 480 Volt	1,616.64	264.80
23 82 39 19-0014	EA	15 KW, 910 CFM Electric Unit Heater - 480 Volt	2,381.81	353.07
23 82 39 19-0015 Electric Ceiling and Wall Heaters (23 82 39 19)				
Note: The "/" between wattages indicates two or three speed operation. 120, 240/208 or 277 Volt.				
23 82 39 19-0016	EA	1,000, 1,500 Or 2,000 Watt Recessed Electric Wall Heater	475.76	110.34
23 82 39 19-0017	EA	1,500/750 Or 2,000/1,000 Watt Recessed Electric Wall Heater	553.37	123.57
23 82 39 19-0018	EA	3,000, 3,600, 4,000 Or 4,800 Watt Recessed Electric Wall Heater	823.91	123.57
23 82 39 19-0019	EA	1,000, 1,500 Or 2,000 Watt Surface Mounted Electric Wall Heater	531.32	110.34
23 82 39 19-0020	EA	1,500/750 Or 2,000/1,000 Watt Surface Mounted Electric Wall Heater	641.06	123.57
23 82 39 19-0021	EA	3,000, 3,600, 4,000 Or 4,800 Watt Surface Mounted Electric Wall Heater	926.91	123.57
23 82 39 19-0022	EA	1,000, 1,500 Or 2,000/1,500 Watt Recessed Electric Ceiling Heater	699.10	145.64
23 82 39 19-0023	EA	3,000, 4,000 Or 4,000/3,000 Watt Recessed Electric Ceiling Heater	1,233.41	154.46
23 82 39 19-0024	EA	4,800/3,600 Watt Recessed Electric Ceiling Heater	1,376.38	154.46
23 82 39 19-0025	EA	4,000/3,000/2,000 Watt Recessed Or Surface Mounted Electric Ceiling Heater	1,588.13	163.30
23 82 39 19-0026	EA	5,000/3,800/2,500 Watt Recessed Or Surface Mounted Electric Ceiling Heater	1,713.67	163.30
23 82 39 19-0027	EA	1,000, 1,500 Or 2,000/1,500 Watt Surface Mounted Electric Ceiling Heater	773.36	145.64
23 82 39 19-0028	EA	3,000, 4,000 Or 4,000/3,000 Watt Surface Mounted Electric Ceiling Heater	1,350.39	154.46
23 82 39 19-0029	EA	4,800/3,600 Watt Surface Mounted Electric Ceiling Heater	1,493.36	154.46
23 82 39 19-0030	EA	Selectable Wattage (500 Or 750 Or 1000 Or 1,250 Or 1,500 Or 1,750 Or 2,250 Watt), 240 Volt, Surface Mounted, Electric Wall Heater (Markel Series 305 - Model H30522T2DWB)	740.54	110.34
23 82 39 19-0031 Removal And Reinstallation Of Electric Unit Heaters (23 82 39 19)				
Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.				
23 82 39 19-0032	EA	Removal And Reinstallation Of Up To 15KW Electric Unit Heater	447.54	
23 82 39 19-0033	EA	Removal And Reinstallation Of >15 KW Electric Unit Heater	919.99	
23 83 Radiant Heating Units (23 80)				
23 83 13 Radiant-Heating Electric Cables (23 83)				
23 83 13 13 Radiant-Heating Electric Cables (23 83 13)				
23 83 13 13-0001 Self Regulating Heating Cable (23 83 13 13)				
23 83 13 13-0002	LF	3 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable	9.07	0.82
Note: Tinned copper braid, at 50 Degrees F.				
23 83 13 13-0003	LF	5 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable	9.68	0.82
Note: Tinned copper braid, at 50 degrees F.				
23 83 13 13-0004	LF	8 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable	10.11	0.82
Note: Tinned copper braid, at 50 degrees F.				
23 83 13 13-0005	LF	3 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable	9.07	0.82
Note: Tinned copper braid, at 50 degrees F.				
23 83 13 13-0006	LF	5 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable	10.71	0.82
Note: Tinned copper braid, at 50 degrees F				
23 83 13 13-0007	LF	8 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable	11.32	0.82
Note: Tinned copper braid, at 50 degrees F.				
23 83 13 13-0008	LF	3 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions	11.30	0.82
Note: Tinned copper braid, at 50 Degrees F.				
23 83 13 13-0009	LF	5 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions	11.59	0.82
Note: Tinned copper braid, at 50 degrees F.				
23 83 13 13-0010	LF	8 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions	11.87	0.82
Note: Tinned copper braid, at 50 degrees F.				
23 83 13 13-0011	LF	3 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions	11.30	0.82
Note: Tinned copper braid, at 50 degrees F.				
23 83 13 13-0012	LF	5 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions	11.59	0.82
Note: Tinned copper braid, at 50 degrees F				
23 83 13 13-0013	LF	8 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions	11.87	0.82
Note: Tinned copper braid, at 50 degrees F.				
23 83 13 13-0014	LF	3 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments	14.11	0.82
Note: Tinned copper braid, at 50 Degrees F.				
23 83 13 13-0015	LF	5 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments	14.67	0.82
Note: Tinned copper braid, at 50 degrees F.				
23 83 13 13-0016	LF	8 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments	14.95	0.82
Note: Tinned copper braid, at 50 degrees F.				
23 83 13 13-0017	LF	3 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments	14.11	0.82
Note: Tinned copper braid, at 50 degrees F.				

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 83 Radiant Heating Units**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 83 13 13-0018	LF	5 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments.....	14.67	0.82
		Note: Tinned copper braid, at 50 degrees F		
23 83 13 13-0019	LF	8 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments.....	14.95	0.82
		Note: Tinned copper braid, at 50 degrees F.		
23 83 13 13-0020	EA	Power Connection Kit With Pre-set Thermostat For Self Regulating Low Temperature Heating Cable	326.05	64.67
23 83 13 13-0021	EA	Splice And Tee Kit For Self Regulating Low Temperature Heating Cable	326.05	64.67
23 83 13 13-0022	EA	End Seal Kit For Self Regulating Low Temperature Heating Cable	220.24	11.76
23 83 13 13-0023	EA	Ambient Air Sensing Thermostat For Self Regulating Low Temperature Heating Cable	597.47	29.40
23 83 13 13-0024	EA	Mechanical Or Electrical Line Sensing Thermostat For Self Regulating Low Temperature Heating Cable	658.66	29.40

23 84 Humidity Control Equipment (23 80)**23 84 13 Humidifiers (23 84)****23 84 13 16 Wetted-Element Humidifiers (23 84 13)**

23 84 13 16-0001		Electric Steam Humidifiers, Self-Steam Producing (23 84 13 16)		
		Note: Electronic modulating duct or air handling unit installation 208V-108V with 12" to 72" manifolds included.		
23 84 13 16-0002	EA	1-96 Lb./Hour Electric Steam Humidifier, Self-Steam Producing With 12-72" Manifold	13,423.45	512.16
23 84 13 16-0003	EA	20-168 Lb./Hour Electric Steam Humidifier, Self-Steam Producing With 12-72" Manifold	17,023.06	513.39

23 84 13 23 Direct-Steam-Injection Humidifiers (23 84 13)

23 84 13 23-0001		Steam Type Pneumatically Controlled (23 84 13 23)		
		Note: For duct or air handling installation standard unit with integral operator distribution manifold strainer trap and pneumatic modulating valve. Excludes humidistat and piping.		
23 84 13 23-0002	EA	3-191 Lb./Hour Steam Humidifier, 24" Manifold, Pneumatic Controls.....	2,163.03	328.17
		For Electrically Controlled Unit, Add	700.00	
		For Each Additional Manifold, Add	665.48	
23 84 13 23-0003	EA	3-191 Lb./Hour Steam Humidifier, 48" Manifold, Pneumatic Controls.....	2,163.03	328.17
		For Electrically Controlled Unit, Add	700.00	
		For Each Additional Manifold, Add	665.48	
23 84 13 23-0004	EA	65-334 Lb./Hour Steam Humidifier, 36" Manifold, Pneumatic Controls.....	3,110.10	328.17
		For Electrically Controlled Unit, Add	700.00	
		For Each Additional Manifold, Add	949.60	
23 84 13 23-0005	EA	65-334 Lb./Hour Steam Humidifier, 72" Manifold, Pneumatic Controls.....	3,234.40	410.22
		For Electrically Controlled Unit, Add	700.00	
		For Each Additional Manifold, Add	991.04	
23 84 13 23-0006	EA	100-690 Lb./Hour Steam Humidifier, 48" Manifold, Pneumatic Controls.....	4,667.33	328.17
		For Electrically Controlled Unit, Add	700.00	
		For Each Additional Manifold, Add	1,416.77	
23 84 13 23-0007	EA	100-690 Lb./Hour Steam Humidifier, 84" Manifold, Pneumatic Controls.....	4,791.63	410.22
		For Electrically Controlled Unit, Add	700.00	
		For Each Additional Manifold, Add	1,458.21	
23 84 13 23-0008	EA	220-2,000 Lb./Hour Steam Humidifier, 72" Manifold, Pneumatic Controls.....	7,224.80	410.22
		For Electrically Controlled Unit, Add	700.00	
		For Each Additional Manifold, Add	2,188.16	
23 84 13 23-0009	EA	220-2,000 Lb./Hour Steam Humidifier, 144" Manifold, Pneumatic Controls.....	7,380.19	513.39
		For Electrically Controlled Unit, Add	700.00	
		For Each Additional Manifold, Add	2,239.95	

23 84 13 29 Self-Contained Steam Humidifiers (23 84 13)

23 84 13 29-0001		Residential Humidifiers (23 84 13 29)		
		Note: Includes solenoid valve and flow through water supply.		
23 84 13 29-0002	EA	Duct Or Furnace Mounted Humidifier, Residential Type.....	622.95	62.15

23 84 16 Mechanical Dehumidification Units (23 84)**23 84 16 16 Indoor, Mechanical Dehumidification Units (23 84 16)**

23 84 16 16-0001		Mechanical Dehumidification Units (23 84 16 16)		
		Note: Sized by moisture removal per 24 hours.		
23 84 16 16-0002	EA	65 Pint Per Day, 160 CFM, 8" Duct Connection, Refrigerant Dehumidifier	2,458.43	88.26
23 84 16 16-0003	EA	90 Pint Per Day, 235 CFM, 10"/6" Duct Connection, Refrigerant Dehumidifier	3,087.26	102.97
23 84 16 16-0004	EA	120 Pint Per Day, 350 CFM, 10"/6" Duct Connection, Refrigerant Dehumidifier	4,123.65	117.69

23 84 16 33 Portable Dehumidifiers (23 84 16)

23 84 16 33-0001		Self Contained Free Standing Unit (23 84 16 33)		
		Note: Sized by moisture removal per 24 hours.		
23 84 16 33-0002	EA	30 Pint/24 Hour Dehumidifier	619.04	190.91
23 84 16 33-0003	EA	50 Pint/24 Hour Dehumidifier	729.53	190.91
23 84 16 33-0004	EA	70 Pint/24 Hour Dehumidifier	795.82	190.91

END OF SECTION 23

Integrated Automation		25	25
Integrated Automation Facility Controls		25 50	
Integrated Automation Control of HVAC		25 55	
MINOR	TOTAL DIRECT	DEMOLITION	
CSI UOM DESCRIPTION	UNIT COST	UNIT COST	

25 Integrated Automation

25 50 Integrated Automation Facility Controls (25)

25 55 Integrated Automation Control of HVAC (25 50)
See CSI section 23 09 00 00-0000 for Instrumentation And Control For HVAC.

END OF SECTION 25

25	25	Integrated Automation	
	25 50	Integrated Automation Facility Controls	
	25 55	Integrated Automation Control of HVAC	



MINOR				TOTAL DIRECT		DEMOLITION
CSI UOM DESCRIPTION				UNIT COST		UNIT COST

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26 Electrical

Note: Termination costs are included with all electrical equipment, panel boards, fixtures and devices. Terminations are not included with patch panels. Electrical equipment and lighting shall conform to California Title 24.

26 01 Operation and Maintenance of Electrical Systems ⁽²⁶⁾

26 01 10 Operation and Maintenance of Medium-Voltage Electrical Distribution ^(26 01)

26 01 10 91 Medium-Voltage Electrical Distribution Restoration ^(26 01 10)

26 01 10 91-0001	Retrofit Distribution Enclosures ^(26 01 10 91)	
	Note: Includes removal of equipment housing, punch or drill hole for window, touch-up area, and reinstallation of equipment housing.	
26 01 10 91-0002	EA 2" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-2C)	525.31
	Note: 2mm thick, aluminum frame, hinged cover.	
	For Up To 20, Add	113.21
	For >20 To 50, Add	90.57
	For >50 To 100, Add	45.28
26 01 10 91-0003	EA 3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-3C)	687.61
	Note: 2mm thick, aluminum frame, hinged cover.	
	For Up To 20, Add	153.78
	For >20 To 50, Add	123.03
	For >50 To 100, Add	61.51
26 01 10 91-0004	EA 4" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-4C)	1,044.68
	Note: 4mm thick, aluminum frame, hinged cover.	
	For Up To 20, Add	243.05
	For >20 To 50, Add	194.44
	For >50 To 100, Add	97.22
26 01 10 91-0005	EA 2" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-2)	523.54
	Note: 2mm thick, aluminum frame, twist cover.	
	For Up To 20, Add	112.77
	For >20 To 50, Add	90.21
	For >50 To 100, Add	45.11
26 01 10 91-0006	EA 3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-3)	674.39
	Note: 2mm thick, aluminum frame, twist cover.	
	For Up To 20, Add	150.48
	For >20 To 50, Add	120.38
	For >50 To 100, Add	60.19
26 01 10 91-0007	EA 4" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-4)	1,015.33
	Note: 4mm thick, aluminum frame, twist cover.	
	For Up To 20, Add	235.71
	For >20 To 50, Add	188.57
	For >50 To 100, Add	94.29
26 01 10 91-0008	EA 2" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VPFR)	408.45
	Note: 0.25mm thick, composite frame, metal grille reinforced polymer.	
	For Up To 20, Add	83.99
	For >20 To 50, Add	67.19
	For >50 To 100, Add	33.60
26 01 10 91-0009	EA 3" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VPFR)	583.74
	Note: 0.25mm thick, composite frame, metal grille reinforced polymer.	
	For Up To 20, Add	127.82
	For >20 To 50, Add	102.25
	For >50 To 100, Add	51.13
26 01 10 91-0010	EA 4" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VPFR)	839.37
	Note: 0.25mm thick, composite frame, metal grille reinforced polymer.	
	For Up To 20, Add	191.72
	For >20 To 50, Add	153.38
	For >50 To 100, Add	76.69
26 01 10 91-0011	EA 2" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR)	763.52
	Note: 4mm thick, aluminum frame, magnetic cover.	
	For Up To 20, Add	172.76
	For >20 To 50, Add	138.21
	For >50 To 100, Add	69.10
26 01 10 91-0012	EA 3" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR)	1,056.79
	Note: 4mm thick, aluminum frame, magnetic cover.	
	For Up To 20, Add	246.08
	For >20 To 50, Add	196.86
	For >50 To 100, Add	98.43
26 01 10 91-0013	EA 4" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR)	1,952.52
	Note: 4mm thick, aluminum frame, magnetic cover.	
	For Up To 20, Add	470.01
	For >20 To 50, Add	376.01
	For >50 To 100, Add	188.00
26 01 10 91-0014	EA 3" Infrared Window Installed In Medium Voltage Equipment, Shortwave, NEMA Type 4 Rated (Schneider Electric IRHVIR)	880.08
	Note: 4mm thick, aluminum frame, magnetic cover.	
	For Up To 20, Add	201.90
	For >20 To 50, Add	161.52
	For >50 To 100, Add	80.76

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 10 Operation and Maintenance of Medium-Voltage Electrical Distribution**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 01 10 91-0015	EA	4" Infrared Window Installed In Medium Voltage Equipment, Shortwave, NEMA Type 4 Rated (Schneider Electric IRHVIR)	1,304.72
		Note: 4mm thick, aluminum frame, magnetic cover.	
		For Up To 20, Add	308.06
		For >20 To 50, Add	246.45
		For >50 To 100, Add	123.22

26 01 20 Operation and Maintenance of Low-Voltage Electrical Distribution ^(26 01)

26 01 20 91 Low-Voltage Electrical Distribution Restoration ^(26 01 20)

26 01 20 91-0001		Lock Out/Tag Out Devices ^(26 01 20 91)	
		Note: Includes following OSHA procedures and completing Owner's paperwork. Excludes circuit tracing.	
26 01 20 91-0002	EA	Lock Out/Tag Out Local Disconnect	42.33
		Note: Excludes tag or padlock See CSI section 26 01 20 91-0004 for padlock, 26 01 20 91-0005 for tag(s).	
26 01 20 91-0003	EA	Lock Out/Tag Out Breaker Or Motor Starter	42.33
		Note: Excludes tag or padlock See CSI section 26 01 20 91-0004 for padlock, 26 01 20 91-0005 for tag(s).	
26 01 20 91-0004	EA	Lock Out Padlock Device	11.76
		Note: Includes the installation and removal of pad lock when required	
26 01 20 91-0005	EA	Lock Out Tags	4.91
		Note: Includes filling out tag information, installation and removal of identifying tags.	
26 01 20 91-0006		Existing Circuit Tracing ^(26 01 20 91)	
26 01 20 91-0007	EA	Motors, Disconnects And Other Single Source Devices, Existing Circuit Tracing Per Device	24.46
26 01 20 91-0008	EA	Lighting, Existing Circuit Tracing Per Circuit	24.46

26 01 26 Maintenance Testing of Electrical Systems ^(26 01)

26 01 26 00-0001		NETA Electrical Maintenance Testing ^(26 01 26)	
26 01 26 00-0002	EA	600 Volt Cable Insulation NETA Electrical Maintenance Testing Per Conductor	359.80
26 01 26 00-0003	EA	NETA Field Maintenance Testing Of Aged Medium Voltage (5 KV - 15 KV) Cables, Per Cable	479.73
		Note: Provide test equipment, labor, and technical personnel as necessary to perform the electrical maintenance tests. Perform Full Dielectric-Absorption (Megger) test, DC High Potential test and provide "Final Test Report".	
26 01 26 00-0004	EA	Panel Board NETA Electrical Maintenance Testing	359.80
		Note: Excludes metering and CT's.	
26 01 26 00-0005	EA	Primary Injection Breaker NETA Electrical Maintenance Testing	539.70
		Note: Includes setting breaker 3 phase from 400 amperes to 1,200 amperes.	
26 01 26 00-0006	EA	Primary Injection Breaker NETA Electrical Maintenance Testing	719.60
		Note: Includes setting breaker 3 phase from 1,200 amperes to 2,000 amperes.	
26 01 26 00-0007	EA	Primary And Secondary Injection Low Voltage Air Circuit Breaker NETA Electrical Maintenance Testing	1,079.40
		Note: Includes CT ratio test to include setting breaker 3 phase 400A to 2000A. Excludes breaker removal from gear.	
26 01 26 00-0008	EA	Single, Primary And Secondary Acceptance Test, 400 Amperes Circuit Breaker NETA Electrical Maintenance Testing	719.60
		Note: Includes CT ratio test to include setting breaker 3 phase 400 Amperes to 2000 Amperes. Excludes breaker removal from gear.	
26 01 26 00-0009	EA	2 To 3, Primary And Secondary Acceptance Test, 400 Amperes Circuit Breaker NETA Electrical Maintenance Testing	449.75
		Note: Includes CT ratio test to include setting breaker 3 phase 400 Amperes to 2,000 Amperes. Excludes breaker removal from gear.	
26 01 26 00-0010	EA	4 Or More, Primary And Secondary Acceptance Test, 400 Amperes Circuit Breaker NETA Electrical Maintenance Testing	314.82
		Note: Includes CT ratio test to include setting breaker 3 phase 400 Amperes to 2000 Amperes. Excludes breaker removal from gear.	
26 01 26 00-0011		TTR Maintenance Testing Or Meggar Maintenance Testing of Transformers ^(26 01 26)	
		Note: Includes all required small tools and equipment. Use other MRO tasks required to remove equipment cover.	
26 01 26 00-0012		TTR Maintenance Testing Or Meggar Maintenance Testing of Transformers, Not Connected ^(26 01 26 00-0011)	
26 01 26 00-0013	EA	TTR Or Meggar Maintenance Testing Of Up To 15 KVA, Single Phase Transformer, Not Connected	29.35
26 01 26 00-0014	EA	TTR Or Meggar Maintenance Testing Of >15 To 50 KVA, Single Phase Transformer, Not Connected	48.90
26 01 26 00-0015	EA	TTR Or Meggar Maintenance Testing Of 75 KVA, Single Phase Transformer, Not Connected	68.47
26 01 26 00-0016	EA	TTR Or Meggar Maintenance Testing Of 100 KVA, Single Phase Transformer, Not Connected	88.03
26 01 26 00-0017	EA	TTR Or Meggar Maintenance Testing Of 150 KVA, Single Phase Transformer, Not Connected	107.60
26 01 26 00-0018	EA	TTR Or Meggar Maintenance Testing Of 167 KVA, Single Phase Transformer, Not Connected	127.15
26 01 26 00-0019	EA	TTR Or Meggar Maintenance Testing Of 200 KVA, Single Phase Transformer, Not Connected	136.93
26 01 26 00-0020	EA	TTR Or Meggar Maintenance Testing Of 250 KVA, Single Phase Transformer, Not Connected	146.71
26 01 26 00-0021	EA	TTR Or Meggar Maintenance Testing Of Up To 15 KVA, Three Phase Transformer, Not Connected	48.90
26 01 26 00-0022	EA	TTR Or Meggar Maintenance Testing Of >15 To 45 KVA, Three Phase Transformer, Not Connected	68.47
26 01 26 00-0023	EA	TTR Or Meggar Maintenance Testing Of 75 KVA, Three Phase Transformer, Not Connected	88.03
26 01 26 00-0024	EA	TTR Or Meggar Maintenance Testing Of 112.5 KVA, Three Phase Transformer, Not Connected	97.81
26 01 26 00-0025	EA	TTR Or Meggar Maintenance Testing Of 150 KVA, Three Phase Transformer, Not Connected	136.93
26 01 26 00-0026	EA	TTR Or Meggar Maintenance Testing Of 225 KVA, Three Phase Transformer, Not Connected	156.50
26 01 26 00-0027	EA	TTR Or Meggar Maintenance Testing Of 300 KVA, Three Phase Transformer, Not Connected	176.06
26 01 26 00-0028		TTR Maintenance Testing Or Meggar Maintenance Testing of Transformers, Connected ^(26 01 26 00-0011)	
26 01 26 00-0029	EA	TTR Or Meggar Maintenance Testing Of Up To 15 KVA, Single Phase Transformer, Connected	48.90

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST

26 01 26 00-0030	EA		TTR Or Megger Maintenance Testing Of >15 To 50 KVA, Single Phase Transformer, Connected.....	68.47	
26 01 26 00-0031	EA		TTR Or Megger Maintenance Testing Of 75 KVA, Single Phase Transformer, Connected.....	78.25	
26 01 26 00-0032	EA		TTR Or Megger Maintenance Testing Of 100 KVA, Single Phase Transformer, Connected.....	97.81	
26 01 26 00-0033	EA		TTR Or Megger Maintenance Testing Of 150 KVA, Single Phase Transformer, Connected.....	136.93	
26 01 26 00-0034	EA		TTR Or Megger Maintenance Testing Of 167 KVA, Single Phase Transformer, Connected.....	166.28	
26 01 26 00-0035	EA		TTR Or Megger Maintenance Testing Of 200 KVA, Single Phase Transformer, Connected.....	176.06	
26 01 26 00-0036	EA		TTR Or Megger Maintenance Testing Of 250 KVA, Single Phase Transformer, Connected.....	185.83	
26 01 26 00-0037	EA		TTR Or Megger Maintenance Testing Of Up To 15 KVA, Three Phase Transformer, Connected.....	68.47	
26 01 26 00-0038	EA		TTR Or Megger Maintenance Testing Of >15 To 45 KVA, Three Phase Transformer, Connected.....	88.03	
26 01 26 00-0039	EA		TTR Or Megger Maintenance Testing Of 75 KVA, Three Phase Transformer, Connected.....	117.37	
26 01 26 00-0040	EA		TTR Or Megger Maintenance Testing Of 112.5 KVA, Three Phase Transformer, Connected.....	156.50	
26 01 26 00-0041	EA		TTR Or Megger Maintenance Testing Of 150 KVA, Three Phase Transformer, Connected.....	176.06	
26 01 26 00-0042	EA		TTR Or Megger Maintenance Testing Of 225 KVA, Three Phase Transformer, Connected.....	205.40	
26 01 26 00-0043	EA		TTR Or Megger Maintenance Testing Of 300 KVA, Three Phase Transformer, Connected.....	264.08	

26 01 30 Operation and Maintenance of Facility Electrical Power Generating and Storing Equipment (26 01)

26 01 30 91 Facility Electrical Power Generating and Storing Equipment Restoration (26 01 30)

26 01 30 91-0001			Emergency Generator Permits (26 01 30 91)		
26 01 30 91-0002			Air Pollution Control Board (26 01 30 91-0001)		
26 01 30 91-0003	EA		APCD Permit To Construct And Operate Emergency Generator.....	5,052.51	

26 01 50 Operation and Maintenance of Lighting (26 01)

26 01 50 51 Luminaire Relamping (26 01 50)

26 01 50 51-0001			Replace Lamps In Existing Fixtures (26 01 50 51)		
			Note: Includes removal of existing lamp from fixture and installation of new lamp. Excludes disposal of hazardous lamps.		
26 01 50 51-0002			Halogen Lamps (26 01 50 51-0001)		
26 01 50 51-0003	EA		300 Watt, T3, Tungsten Halogen Lamp.....	53.31	
26 01 50 51-0004	EA		500 Watt, T3, Tungsten Halogen Lamp.....	68.89	
26 01 50 51-0005	EA		1,000 Watt, T3, Tungsten Halogen Lamp.....	103.07	
26 01 50 51-0006	EA		60 Watt, PAR38, Halogen Lamp.....	25.94	
26 01 50 51-0007	EA		75 Watt, PAR38, Halogen Lamp.....	25.94	
26 01 50 51-0008	EA		90 Watt, PAR38, Halogen Lamp.....	24.55	
26 01 50 51-0009	EA		100 Watt, PAR38, Halogen Lamp.....	24.55	
26 01 50 51-0010	EA		60 Watt, PAR38, Halogen IR Reflective Lamp.....	36.83	
26 01 50 51-0011	EA		67 Watt, PAR38, Halogen IR Reflective Lamp.....	40.56	
26 01 50 51-0012	EA		70 Watt, PAR38, Halogen IR Reflective Lamp.....	39.60	
26 01 50 51-0013	EA		90 Watt, PAR38, Halogen IR Reflective Lamp.....	42.45	
26 01 50 51-0014	EA		100 Watt, PAR38, Halogen IR Reflective Lamp.....	43.05	
26 01 50 51-0015	EA		12 Watt, 10 Degree Beam, Base B01, Halogen Lamp (Sora MR16-65-B01-12-830-10).....	21.56	
26 01 50 51-0016	EA		12 Watt, 20 Degree Beam, Base B01, Halogen Lamp (Sora MR16-75-B01-12-830-20).....	21.56	
26 01 50 51-0017	EA		12 Watt, 25 Degree Beam, Base B01, Halogen Lamp (Sora MR16-75-B01-12-830-25).....	23.56	
26 01 50 51-0018	EA		12 Watt, 36 Degree Beam, Base B01, Halogen Lamp (Sora MR16-75-B01-12-830-36).....	23.56	

26 01 50 51-0019 Incandescent Lamps (26 01 50 51-0001)

26 01 50 51-0020	EA		100 Watt, Frosted, Interior Incandescent Lamp.....	6.75	
			For Removal Of Multiple Lamps In A Fixture, Deduct.....	-1.95	
26 01 50 51-0021	EA		150 Watt, Frosted, Interior Incandescent Lamp.....	8.51	
			For Removal Of Multiple Lamps In A Fixture, Deduct.....	-1.95	
26 01 50 51-0022	EA		200 Watt, Frosted, Interior Incandescent Lamp.....	10.48	
			For Removal Of Multiple Lamps In A Fixture, Deduct.....	-1.95	
26 01 50 51-0023	EA		300 Watt, PS25, Interior Incandescent Lamp.....	12.97	
			For Removal Of Multiple Lamps In A Fixture, Deduct.....	-1.95	
26 01 50 51-0024	EA		60 Watt, G25, Clear, Interior Incandescent Lamp.....	9.62	
			For Removal Of Multiple Lamps In A Fixture, Deduct.....	-1.95	
26 01 50 51-0025	EA		75 Watt, R20, Interior Incandescent Lamp.....	15.40	
			For Removal Of Multiple Lamps In A Fixture, Deduct.....	-2.34	
26 01 50 51-0026	EA		75 Watt, PAR38, Exterior Incandescent Lamp.....	18.88	
			For Removal Of Multiple Lamps In A Fixture, Deduct.....	-2.34	
26 01 50 51-0027	EA		100 Watt, PAR38, Exterior Incandescent Lamp.....	17.49	
			For Removal Of Multiple Lamps In A Fixture, Deduct.....	-2.34	
26 01 50 51-0028	EA		150 Watt, PAR38, Exterior Incandescent Lamp.....	30.69	
			For Removal Of Multiple Lamps In A Fixture, Deduct.....	-2.34	
26 01 50 51-0029	EA		250 Watt, PAR38, Exterior Incandescent Lamp.....	63.85	
			For Removal Of Multiple Lamps In A Fixture, Deduct.....	-2.72	
26 01 50 51-0030	EA		300 Watt, PAR56, Exterior Incandescent Lamp.....	73.54	
			For Removal Of Multiple Lamps In A Fixture, Deduct.....	-2.72	

26 01 50 51-0031 Exit Light Lamps (26 01 50 51-0001)

26 01 50 51-0032	EA		Convert Exit Light Lamps To Red LED Lamps.....	113.36	
			For Green LED Lamps, Add.....	25.00	
26 01 50 51-0033	EA		Fluorescent Lamp For Exit Light.....	32.32	
			For Removal Of Multiple Lamps In A Fixture, Deduct.....	-7.78	
26 01 50 51-0034	EA		Lamp Replacement For Emergency Lights On Exit Sign.....	43.39	
			For Removal Of Multiple Lamps In A Fixture, Deduct.....	-3.89	

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 01 50 51-0035		Fluorescent Lamps (26 01 50 51-0001)	
26 01 50 51-0036	EA 18", 15 Watt, T8 Fluorescent Lamp	.....	12.59
	For Removal Of Multiple Lamps In A Fixture, Deduct	.....	-3.11
26 01 50 51-0037	EA 2', 17 Watt, T8 Fluorescent Lamp	.....	15.32
	For Removal Of Multiple Lamps In A Fixture, Deduct	.....	-3.11
26 01 50 51-0038	EA 3', 25 Watt, T8 Fluorescent Lamp	.....	17.62
	For Removal Of Multiple Lamps In A Fixture, Deduct	.....	-3.50
26 01 50 51-0039	EA 4', 28 Watt, Rapid Start T8 Fluorescent Lamp	.....	18.40
	For Removal Of Multiple Lamps In A Fixture, Deduct	.....	-3.50
26 01 50 51-0040	EA 4', 32 Watt, T8 Fluorescent Lamp	.....	17.39
	For Removal Of Multiple Lamps In A Fixture, Deduct	.....	-3.50
26 01 50 51-0041	EA 4', 30 Watt, T8 Fluorescent Lamp	.....	22.33
	For Removal Of Multiple Lamps In A Fixture, Deduct	.....	-3.50
26 01 50 51-0042	EA 4', 28 Watt, T8 Fluorescent Lamp	.....	19.46
	For Removal Of Multiple Lamps In A Fixture, Deduct	.....	-3.50
26 01 50 51-0043	EA 4', 25 Watt, T8 Fluorescent Lamp	.....	19.35
	For Removal Of Multiple Lamps In A Fixture, Deduct	.....	-3.50
26 01 50 51-0044	EA 4', 44 Watt, T8HO Fluorescent Lamp	.....	31.69
	For Removal Of Multiple Lamps In A Fixture, Deduct	.....	-3.50
26 01 50 51-0045	EA 8', 59 Watt, T8 Fluorescent Lamp	.....	23.94
	For Removal Of Multiple Lamps In A Fixture, Deduct	.....	-3.50
26 01 50 51-0046	EA 18", 15 Watt, T12 Fluorescent Lamp	.....	19.47
	For Removal Of Multiple Lamps In A Fixture, Deduct	.....	-3.11
26 01 50 51-0047	EA 2', 20 Watt, T12 Fluorescent Lamp	.....	14.54
	For Removal Of Multiple Lamps In A Fixture, Deduct	.....	-3.11
26 01 50 51-0048	EA 3', 30 Watt, T12 Fluorescent Lamp	.....	16.32
	For Removal Of Multiple Lamps In A Fixture, Deduct	.....	-3.50
26 01 50 51-0049	EA 4', 34 Watt, T12 Fluorescent Lamp	.....	16.41
	For Removal Of Multiple Lamps In A Fixture, Deduct	.....	-3.50
26 01 50 51-0050	EA 4', 40 Watt, T12 Fluorescent Lamp	.....	16.05
	For Removal Of Multiple Lamps In A Fixture, Deduct	.....	-3.50
26 01 50 51-0051	EA 8', 60 Watt, T12 Fluorescent Lamp	.....	24.57
	For Removal Of Multiple Lamps In A Fixture, Deduct	.....	-3.50
26 01 50 51-0052	EA 8', 75 Watt, T12 Fluorescent Lamp	.....	20.60
	For Removal Of Multiple Lamps In A Fixture, Deduct	.....	-3.50
26 01 50 51-0053	EA 8', 95 Watt, Instant Start T12 Fluorescent Lamp	.....	35.36
26 01 50 51-0054	EA 6" Diameter, 20 Watt, Circular T9 Fluorescent Lamp	.....	19.71
	For Removal Of Multiple Lamps In A Fixture, Deduct	.....	-3.11
26 01 50 51-0055	EA 8" Diameter, 22 Watt, Circular T9 Fluorescent Lamp	.....	16.06
	For Removal Of Multiple Lamps In A Fixture, Deduct	.....	-3.11
26 01 50 51-0056	EA 12" Diameter, 32 Watt, Circular T9 Fluorescent Lamp	.....	15.50
	For Removal Of Multiple Lamps In A Fixture, Deduct	.....	-3.11
26 01 50 51-0057	EA 16" Diameter, 40 Watt, Circular T9 Fluorescent Lamp	.....	17.25
	For Removal Of Multiple Lamps In A Fixture, Deduct	.....	-3.11
26 01 50 51-0058	EA 32 Watt, Rapid Start, U-Shaped T8 Fluorescent Lamp	.....	28.86
	For Removal Of Multiple Lamps In A Fixture, Deduct	.....	-3.89
26 01 50 51-0059	EA 40 Watt, Rapid Start, U-Shaped T12 Fluorescent Lamp	.....	27.79
	For Removal Of Multiple Lamps In A Fixture, Deduct	.....	-3.89
26 01 50 51-0060	EA 6", 4 Watt, T5 Fluorescent Lamp	.....	14.07
	For Removal Of Multiple Lamps In A Fixture, Deduct	.....	-3.11
26 01 50 51-0061	EA 9", 6 Watt, T5 Fluorescent Lamp	.....	13.82
	For Removal Of Multiple Lamps In A Fixture, Deduct	.....	-3.11
26 01 50 51-0062	EA 12", 8 Watt, T5 Fluorescent Lamp	.....	14.29
	For Removal Of Multiple Lamps In A Fixture, Deduct	.....	-3.11
26 01 50 51-0063	EA 21", 13 Watt, T5 Fluorescent Lamp	.....	14.99
	For Removal Of Multiple Lamps In A Fixture, Deduct	.....	-3.11
26 01 50 51-0064	EA 24", 14 Watt, T5 Fluorescent Lamp	.....	17.41
	For Removal Of Multiple Lamps In A Fixture, Deduct	.....	-3.11
26 01 50 51-0065	EA 34", 21 Watt, T5 Fluorescent Lamp	.....	18.90
	For Removal Of Multiple Lamps In A Fixture, Deduct	.....	-3.50
26 01 50 51-0066	EA 46", 28 Watt, T5 Fluorescent Lamp	.....	18.27
	For Removal Of Multiple Lamps In A Fixture, Deduct	.....	-3.50
26 01 50 51-0067	EA 46", 54 Watt, T5HO Fluorescent Lamp	.....	20.09
	For Removal Of Multiple Lamps In A Fixture, Deduct	.....	-3.50
26 01 50 51-0068	EA 46", 54 Watt T5 Fluorescent Lamp	.....	17.51
26 01 50 51-0069	EA 5-13 Watt, 2-Pin Compact Fluorescent Lamp	.....	11.28
	For Removal Of Multiple Lamps In A Fixture, Deduct	.....	-1.95
26 01 50 51-0070	EA 9-26 Watt, 4-Pin Compact Fluorescent Lamp	.....	12.53
	For Removal Of Multiple Lamps In A Fixture, Deduct	.....	-1.95
26 01 50 51-0071	EA 27-55 Watt, 4-Pin Compact Fluorescent Lamp	.....	26.36
	For Removal Of Multiple Lamps In A Fixture, Deduct	.....	-1.95
26 01 50 51-0072	EA Compact Fluorescent 13 Watt, 4-Pin Lamps CF13DD/E/827, Dulux	.....	34.20
26 01 50 51-0073	EA Compact Fluorescent 18 Watt, 4-Pin Lamps CF18DD/E/827, Dulux	.....	34.20
26 01 50 51-0074	EA 32 Watt 2D (DoubleD) Fluorescent Lamp, 4-Pin	.....	65.61
26 01 50 51-0075	EA 26 Watt (1,600 Lumens) 4-pin Quad Tube PL Lamp	.....	23.43
26 01 50 51-0076	EA <9 Watt, Screw-In, Spiral Compact Fluorescent Lamps	.....	11.62
26 01 50 51-0077	EA 9 To 27 Watt, Screw-In, Spiral Compact Fluorescent Lamps	.....	9.97
26 01 50 51-0078	EA 29 To 32 Watt, Screw-In, Spiral Compact Fluorescent Lamps	.....	10.48
26 01 50 51-0079	EA 33 To 42 Watt, Screw-In, Spiral Compact Fluorescent Lamps	.....	44.68
26 01 50 51-0080	EA 43 To 65 Watt, Screw-In, Spiral Compact Fluorescent Lamps	.....	48.78
26 01 50 51-0081	EA 85 Watt, Screw-In, Spiral Compact Fluorescent Lamps	.....	93.34
26 01 50 51-0082	EA 105 Watt, Screw-In, Spiral Compact Fluorescent Lamps	.....	111.91
26 01 50 51-0083	EA 200 Watt, Screw-In, Spiral Compact Fluorescent Lamps	.....	115.68
26 01 50 51-0084	EA 11 Watt, Screw-In, Compact Fluorescent Reflector Lamps	.....	41.55
26 01 50 51-0085	EA 15 Watt, Screw-In, Compact Fluorescent Reflector Lamps	.....	43.37
26 01 50 51-0086	EA 20 To 28 Watt, Screw-In, Compact Fluorescent Reflector Lamps	.....	50.17

26 01 50 51-0087 Metal Halide Lamps (26 01 50 51-0001)			
26 01 50 51-0088	EA	50 Watt, Pulse Start Metal Halide Lamp	49.93
26 01 50 51-0089	EA	70 Watt, Pulse Start Metal Halide Lamp	47.70
26 01 50 51-0090	EA	100 Watt, Pulse Start Metal Halide Lamp	54.76
26 01 50 51-0091	EA	150 Watt, Pulse Start Metal Halide Lamp	53.16
26 01 50 51-0092	EA	175 Watt, Pulse Start Metal Halide Lamp	52.70
26 01 50 51-0093	EA	250 Watt, Pulse Start Metal Halide Lamp	53.01
26 01 50 51-0094	EA	400 Watt, Pulse Start Metal Halide Lamp	64.28
26 01 50 51-0095	EA	1,000 Watt, Pulse Start Metal Halide Lamp	75.08
26 01 50 51-0096	EA	1,500 Watt, Pulse Start Metal Halide Lamp	74.63
26 01 50 51-0097 High Pressure Sodium Lamps (26 01 50 51-0001)			
26 01 50 51-0098	EA	35 Watt, High Pressure Sodium Lamp.....	40.82
		<i>For Enclosed And Gasket Light Fixtures, Add</i>	<i>2.99</i>
26 01 50 51-0099	EA	50 Watt, High Pressure Sodium Lamp.....	40.82
		<i>For Enclosed And Gasket Light Fixtures, Add</i>	<i>2.99</i>
26 01 50 51-0100	EA	70 Watt, High Pressure Sodium Lamp.....	41.79
		<i>For Enclosed And Gasket Light Fixtures, Add</i>	<i>2.99</i>
26 01 50 51-0101	EA	100 Watt, High Pressure Sodium Lamp.....	43.62
		<i>For Enclosed And Gasket Light Fixtures, Add</i>	<i>2.99</i>
26 01 50 51-0102	EA	150 Watt, High Pressure Sodium Lamp.....	41.79
		<i>For Enclosed And Gasket Light Fixtures, Add</i>	<i>2.99</i>
26 01 50 51-0103	EA	250 Watt, High Pressure Sodium Lamp.....	41.79
		<i>For Enclosed And Gasket Light Fixtures, Add</i>	<i>2.99</i>
26 01 50 51-0104	EA	400 Watt, High Pressure Sodium Lamp.....	39.05
		<i>For Enclosed And Gasket Light Fixtures, Add</i>	<i>2.99</i>
26 01 50 51-0105	EA	1,000 Watt, High Pressure Sodium Lamp.....	93.02
26 01 50 51-0106 Low Pressure Sodium Lamps (26 01 50 51-0001)			
26 01 50 51-0107	EA	35 Watt, Low Pressure Sodium Lamp	107.18
26 01 50 51-0108	EA	55 Watt, Low Pressure Sodium Lamp	119.85
26 01 50 51-0109	EA	70 Watt, Low Pressure Sodium Lamp	122.70
26 01 50 51-0110	EA	90 Watt, Low Pressure Sodium Lamp	125.55
26 01 50 51-0111	EA	135 Watt, Low Pressure Sodium Lamp	136.97
26 01 50 51-0112	EA	180 Watt, Low Pressure Sodium Lamp	188.34
26 01 50 51-0113 LED Lamps (26 01 50 51-0001)			
26 01 50 51-0114 LED Lamps, Candelabra Base, CA10 (26 01 50 51-0113)			
26 01 50 51-0115	EA	3 Watt (25 Watt Incandescent Equivalent), Candelabra Base, CA10, Dimmable LED Lamp (Energy Star)	22.61
26 01 50 51-0116 LED Lamps, Medium Base, A19 Or A21 (26 01 50 51-0113)			
26 01 50 51-0117	EA	6 Watt (40 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star)	31.88
26 01 50 51-0118	EA	11 Watt (60 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star)	31.88
26 01 50 51-0119	EA	14 Watt (75 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star)	56.78
26 01 50 51-0120	EA	17 Watt (75 Watt Incandescent Equivalent), Medium Base, A21, Dimmable LED Lamp (Energy Star)	38.17
26 01 50 51-0121	EA	18 Watt (100 Watt Incandescent Equivalent), Medium Base, A21, Dimmable LED Lamp (Energy Star)	72.34
26 01 50 51-0122	EA	16.5 Watt, Medium Base, A21 LED Lamp (Green Creative 58239 16.5A21/840/277V)	50.06
		<i>For >25 To 50, Deduct</i>	<i>-2.50</i>
		<i>For >50 To 100, Deduct</i>	<i>-4.11</i>
		<i>For >100, Deduct</i>	<i>-6.42</i>
26 01 50 51-0123	EA	14 Watt, Medium Base, A19, LED Lamp (Sylvania LED14A19/F/835/10YV/RP)	15.79
		<i>For >25 To 50, Deduct</i>	<i>-0.79</i>
		<i>For >50 To 100, Deduct</i>	<i>-1.36</i>
		<i>For >100, Deduct</i>	<i>-2.29</i>
26 01 50 51-0124	EA	16.5 Watt, Medium Base, A21, LED Lamp (GreenCreative 16.5A21/840/277V/R).....	33.62
		<i>For >25 To 50, Deduct</i>	<i>-1.68</i>
		<i>For >50 To 100, Deduct</i>	<i>-2.70</i>
		<i>For >100, Deduct</i>	<i>-4.07</i>
26 01 50 51-0125 LED Lamps, Medium Base, BR30 Or BR40 (26 01 50 51-0113)			
26 01 50 51-0126	EA	9.5 Watt (65 Watt Incandescent Equivalent), Medium Base, BR30, Dimmable LED Lamp (Energy Star).....	42.29
26 01 50 51-0127	EA	14 Watt (85 Watt Incandescent Equivalent), Medium Base, BR30, Dimmable LED Lamp (Energy Star).....	37.03
26 01 50 51-0128	EA	11 Watt (65 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star).....	51.01
26 01 50 51-0129	EA	14.5 Watt (75 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star).....	41.70
26 01 50 51-0130	EA	14 Watt (85 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star).....	57.23
26 01 50 51-0131	EA	18 Watt (90 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star).....	41.70
26 01 50 51-0132 LED Lamps, Medium Base, PAR (26 01 50 51-0113)			
26 01 50 51-0133	EA	7 Watt (45 Watt Halogen Equivalent), Medium Base, PAR20, Dimmable LED Lamp (Energy Star).....	47.27
26 01 50 51-0134	EA	12 Watt (60 Watt Halogen Equivalent), Medium Base, Short Neck Par30, Dimmable LED Lamp (Energy Star)	66.60
26 01 50 51-0135	EA	16.3 Watt (65 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star).....	66.60
26 01 50 51-0136	EA	15.6 Watt (70 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star).....	63.49
26 01 50 51-0137	EA	12 Watt (50 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star).....	60.38
26 01 50 51-0138	EA	15 Watt (75 Watt Halogen Equivalent), Medium Base, Long Neck PAR30, Dimmable LED Lamp (Energy Star)	60.38
26 01 50 51-0139	EA	18 Watt (90 Watt Halogen Equivalent), Medium Base, Long Neck PAR30, Dimmable LED Lamp (Energy Star)	123.24
26 01 50 51-0140	EA	15 Watt (75 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star)	66.60

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 01 50 51-0141	EA	18 Watt (90 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star)	63.49
26 01 50 51-0142	EA	19 Watt (120 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star)	66.60
26 01 50 51-0143	EA	24 Watt (120 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star)	66.60

26 01 50 51-0144 LED Lamps, GU Base, MR16 (26 01 50 51-0113)

26 01 50 51-0145	EA	4 Watt (20 Watt Halogen Equivalent), GU5.3 Base, MR16, LED Lamp (Energy Star)	30.81
26 01 50 51-0146	EA	6 Watt (30 Watt Halogen Equivalent), GU10 Base, MR16, Dimmable LED Lamp (Energy Star)	42.29
26 01 50 51-0147	EA	8 Watt (50 Watt Halogen Equivalent), GU5.3 Base, MR16, Dimmable LED Lamp (Energy Star)	47.27

26 01 50 51-0148 LED Lamps, PL Series (26 01 50 51-0113)

26 01 50 51-0149	EA	3.5 Watt, 2-Pin CFL G23 Base , Hybrid Lamp (GreenCreative PLS 3.5 HYB G23)	15.82
26 01 50 51-0150	EA	26 Watt, 2700K CCT, PL EDGE DiRect Series (Green Creative 9.5PLH/827/DIR)	21.06
26 01 50 51-0151	EA	26 Watt, 3000K CCT, PL EDGE DiRect Series (Green Creative 9.5PLH/830/DIR)	18.06
26 01 50 51-0152	EA	26 Watt, 3500K CCT, PL EDGE DiRect Series (Green Creative 9.5PLH/835/DIR)	19.94
26 01 50 51-0153	EA	26 Watt, 4000K CCT, PL EDGE DiRect Series (Green Creative 9.5PLH/840/DIR)	19.94
26 01 50 51-0154	EA	26 Watt, 3000K CCT, High CRI, PL EDGE DiRect Series (Green Creative 10.5PLH/930/DIR)	23.31
26 01 50 51-0155	EA	13-18 Watt, 2700K CCT, PL EDGE DiRect Series (Green Creative 5.5PLH/827/DIR)	19.94
26 01 50 51-0156	EA	13-18 Watt, 3000K CCT, PL EDGE DiRect Series (Green Creative 5.5PLH/830/DIR)	19.94
26 01 50 51-0157	EA	13-18 Watt, 3500K CCT, PL EDGE DiRect Series (Green Creative 5.5PLH/835/DIR)	19.94
26 01 50 51-0158	EA	13-18 Watt, 4000K CCT, PL EDGE DiRect Series (Green Creative 5.5PLH/840/DIR)	19.94
26 01 50 51-0159	EA	26 Watt, 2700K CCT, PL EDGE DiRect Series (Green Creative 10PLV/827/DIR)	22.19
26 01 50 51-0160	EA	26 Watt, 3000K CCT, PL EDGE DiRect Series (Green Creative 10PLV/830/DIR)	22.19
26 01 50 51-0161	EA	26 Watt, 3500K CCT, PL EDGE DiRect Series (Green Creative 10PLV/835/DIR)	22.19
26 01 50 51-0162	EA	26 Watt, 4000K CCT, PL EDGE DiRect Series (Green Creative 10PLV/840/DIR)	22.19
26 01 50 51-0163	EA	26 Watt, 3000K CCT, High CRI, PL EDGE DiRect Series (Green Creative 11PLV/930/DIR)	21.06
26 01 50 51-0164	EA	13-18 Watt, 2700K CCT, PL EDGE DiRect Series (Green Creative 6.5PLV/827/DIR)	21.06
26 01 50 51-0165	EA	13-18 Watt, 3000K CCT, PL EDGE DiRect Series (Green Creative 6.5PLV/830/DIR)	21.06
26 01 50 51-0166	EA	13-18 Watt, 3500K CCT, PL EDGE DiRect Series (Green Creative 6.5PLV/835/DIR)	21.81
26 01 50 51-0167	EA	13-18 Watt, 4000K CCT, PL EDGE DiRect Series (Green Creative 6.5PLV/840/DIR)	21.81
26 01 50 51-0168	EA	26 Watt, 2700K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/827/BYP)	21.98
26 01 50 51-0169	EA	26 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/830/BYP)	21.98
26 01 50 51-0170	EA	26 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/835/BYP)	21.98
26 01 50 51-0171	EA	26 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/840/BYP)	21.98
26 01 50 51-0172	EA	13-18 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 6PLH/835/BYP)	22.56
26 01 50 51-0173	EA	13-18 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/840/BYP)	22.56
26 01 50 51-0174	EA	13 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/830/BYP/E26)	22.56
26 01 50 51-0175	EA	13 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 6PLH/835/BYP/E26)	22.56
26 01 50 51-0176	EA	13 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/840/BYP/E26)	22.56
26 01 50 51-0177	EA	13 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/830/BYP/GU24)	22.56
26 01 50 51-0178	EA	13 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 6PLH/835/BYP/GU24)	22.56
26 01 50 51-0179	EA	13 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/840/BYP/GU24)	22.56
26 01 50 51-0180	EA	26 Watt, 2700K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/827/BYP)	28.42
26 01 50 51-0181	EA	26 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/830/BYP)	28.42
26 01 50 51-0182	EA	26 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/835/BYP)	28.42
26 01 50 51-0183	EA	26 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/840/BYP)	27.07
26 01 50 51-0184	EA	13-18 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 7PLV/835/BYP)	27.07
26 01 50 51-0185	EA	13-18 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 7PLV/840/BYP)	27.07
26 01 50 51-0186	EA	4 Pin, 6 Watt, 560 Lumens 4000K CCT, Horizontal Mount LED PL Lamp (Green Creative 57898)	26.65

26 01 50 51-0187 HID LED Lamps, Medium Base E26 (26 01 50 51-0113)

26 01 50 51-0188	EA	27 Watt, 4000K CCT, Medium Base E26, LED Lamp (Green Creative 27HID/840/277V/E26)	52.94
26 01 50 51-0189	EA	27 Watt, 5000K CCT, Medium Base E26, LED Lamp (Green Creative 27HID/850/277V/E26)	52.94
26 01 50 51-0190	EA	45 Watt, 4000K CCT, Medium Base E26, LED Lamp (Green Creative 45HID/840/277V/E26)	66.80
26 01 50 51-0191	EA	45 Watt, 5000K CCT, Medium Base E26, LED Lamp (Green Creative 45HID/850/277V/E26)	66.80
26 01 50 51-0192	EA	10 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-3026)	47.30
26 01 50 51-0193	EA	10 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-4026)	47.30
26 01 50 51-0194	EA	10 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-5026)	47.30
26 01 50 51-0195	EA	10 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-6026)	47.30
26 01 50 51-0196	EA	15 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-3026)	48.80
26 01 50 51-0197	EA	15 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-4026)	48.80
26 01 50 51-0198	EA	15 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-5026)	48.80
26 01 50 51-0199	EA	15 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-6026)	48.80
26 01 50 51-0200	EA	20 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-3026)	54.80
26 01 50 51-0201	EA	20 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-4026)	54.80
26 01 50 51-0202	EA	20 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-5026)	54.80
26 01 50 51-0203	EA	20 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-6026)	54.80
26 01 50 51-0204	EA	25 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-3026)	62.30
26 01 50 51-0205	EA	25 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-4026)	62.30
26 01 50 51-0206	EA	25 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-5026)	62.30
26 01 50 51-0207	EA	25 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-6026)	62.30
26 01 50 51-0208	EA	30 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-3026)	78.79
26 01 50 51-0209	EA	30 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-4026)	78.79
26 01 50 51-0210	EA	30 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-5026)	78.79
26 01 50 51-0211	EA	30 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-6026)	78.79
26 01 50 51-0212	EA	40 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-3026)	93.04
26 01 50 51-0213	EA	40 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-4026)	93.04
26 01 50 51-0214	EA	40 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-5026)	93.04
26 01 50 51-0215	EA	40 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-6026)	93.04
26 01 50 51-0216	EA	60 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-3026)	102.79
26 01 50 51-0217	EA	60 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-4026)	102.79
26 01 50 51-0218	EA	60 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-5026)	102.79
26 01 50 51-0219	EA	60 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-6026)	102.79

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0220	EA	80 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-3026)	138.03	
26 01 50 51-0221	EA	80 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-4026)	138.03	
26 01 50 51-0222	EA	80 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-5026)	138.03	
26 01 50 51-0223	EA	80 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-6026)	138.03	
26 01 50 51-0224	EA	100 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-3026)	142.53	
26 01 50 51-0225	EA	100 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-4026)	142.53	
26 01 50 51-0226	EA	100 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-5026)	142.53	
26 01 50 51-0227	EA	100 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-6026)	142.53	
26 01 50 51-0228	EA	120 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-3026)	168.77	
26 01 50 51-0229	EA	120 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-4026)	168.77	
26 01 50 51-0230	EA	120 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-5026)	168.77	
26 01 50 51-0231	EA	120 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-6026)	168.77	
26 01 50 51-0232	EA	150 Watt, 3000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED150-3026)	200.26	
26 01 50 51-0233	EA	150 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED150-4026)	200.26	
26 01 50 51-0234	EA	150 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED150-5026)	200.26	
26 01 50 51-0235	EA	150 Watt, 6000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED150-6026)	200.26	
26 01 50 51-0236	EA	20 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED20WPT40KMED-G6)	65.28	
26 01 50 51-0237	EA	20 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED20WPT50KMED-G6)	70.53	
26 01 50 51-0238	EA	27 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED27WPT40KMED-G5)	70.53	
26 01 50 51-0239	EA	27 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED27WPT50KMED-G5)	65.28	
26 01 50 51-0240	EA	36 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED36WPT40KMED-G5)	81.77	
26 01 50 51-0241	EA	36 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED36WPT50KMED-G5)	75.03	
26 01 50 51-0242	EA	45 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED45WPT40KMED-G5)	90.02	
26 01 50 51-0243	EA	45 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED45WPT50KMED-G5)	89.14	
26 01 50 51-0244	EA	54 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED54WPT40KMED-G5)	91.15	
26 01 50 51-0245	EA	54 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED54WPT50KMED-G5)	91.15	
26 01 50 51-0246	EA	27 Watt, 4000K CCT, Medium Base E26, LED Lamp (EiKO industries LED27WPT40KMED-G7)	55.55	
26 01 50 51-0247	EA	27 Watt, 5000K CCT, Medium Base E26, LED Lamp (EiKO industries LED27WPT50KMED-G7)	55.55	
26 01 50 51-0248	EA	36 Watt, 4000K CCT, Medium Base E26, LED Lamp (EiKO industries LED36WPT40KMED-G7)	62.49	
26 01 50 51-0249	EA	36 Watt, 5000K CCT, Medium Base E26, LED Lamp (EiKO industries LED36WPT50KMED-G7)	62.49	
26 01 50 51-0250	EA	45 Watt, 4000K CCT, Medium Base E26, LED Lamp (EiKO industries LED45WPT40KMED-G7)	67.10	
26 01 50 51-0251	EA	45 Watt, 5000K CCT, Medium Base E26, LED Lamp (EiKO industries LED45WPT50KMED-G7)	67.10	
26 01 50 51-0252	EA	54 Watt, 4000K CCT, Medium Base E26, LED Lamp (EiKO industries LED54WPT40KMED-G7)	74.03	
26 01 50 51-0253	EA	54 Watt, 5000K CCT, Medium Base E26, LED Lamp (EiKO industries LED54WPT50KMED-G7)	74.03	
26 01 50 51-0254	EA	20 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-20W8-55K-E26)	74.39	
26 01 50 51-0255	EA	30 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-30W8-55K-E26)	80.54	
26 01 50 51-0256	EA	40 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-40W8-55K-E26)	99.96	
26 01 50 51-0257	EA	50 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-50W8-55K-E26)	110.00	
26 01 50 51-0258	EA	10 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-10W12-55K-E26)	43.80	
26 01 50 51-0259	EA	15 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-15W12-55K-E26)	49.19	
26 01 50 51-0260	EA	20 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-20W12-55K-E26)	51.89	
26 01 50 51-0261	EA	25 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-25W12-55K-E26)	56.92	
26 01 50 51-0262	EA	15 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148015-UNV)	68.25	
26 01 50 51-0263	EA	20 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148020-UNV)	79.79	
26 01 50 51-0264	EA	25 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148025-UNV)	108.63	
26 01 50 51-0265	EA	30 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148030-UNV)	114.40	
26 01 50 51-0266	EA	35 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148035-UNV)	123.63	
26 01 50 51-0267	EA	40 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148040-UNV)	129.39	
26 01 50 51-0268	EA	60 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148060-UNV)	185.92	
26 01 50 51-0269	EA	20 Watt, 5000K CCT, 120-277 Volt, E26 (Medium) Base, LED Retrofit Omni-Directional Lamp (HYLITE HL-IOD-20W-E26-50K)	66.78	
26 01 50 51-0270		HID LED Lamps, Mogul Base E39 Or EX39 (26 01 50 51-0113)		
26 01 50 51-0271	EA	120 Watt, 2700K CCT, Mogul Base EX39, HID LED Lamp (Green Creative 120HID/827/277V/EX39)	178.13	
26 01 50 51-0272	EA	120 Watt, 5000K CCT, Mogul Base EX39, HID LED Lamp (Green Creative 120HID/850/277V/EX39)	178.13	
26 01 50 51-0273	EA	120 Watt, 5700 CCT, Mogul Base EX39, HID LED Lamp (Green Creative 120HID/857/277V/EX39)	178.13	
26 01 50 51-0274	EA	27 Watt, 3000K CCT, Mogul Base E39, LED Lamp (Green Creative 27HID/830/277V/EX39)	52.94	
26 01 50 51-0275	EA	27 Watt, 4000K CCT, Mogul Base E39, LED Lamp (Green Creative 27HID/840/277V/EX39/R)	52.94	
26 01 50 51-0276	EA	27 Watt, 5000K CCT, Mogul Base E39, LED Lamp (Green Creative 27HID/850/277V/EX39)	52.94	
26 01 50 51-0277	EA	45 Watt, 3000K CCT, Mogul Base E39, LED Lamp (Green Creative 45HID/830/277V/EX39)	66.80	
26 01 50 51-0278	EA	45 Watt, 4000K CCT, Mogul Base E39, LED Lamp (Green Creative 45HID/840/277V/EX39/R)	66.80	
26 01 50 51-0279	EA	45 Watt, 5000K CCT, Mogul Base E39, LED Lamp (Green Creative 45HID/850/277V/EX39)	66.80	
26 01 50 51-0280	EA	80 Watt, 5000K CCT, Mogul Base E39, LED Lamp (Green Creative 80HID/850/277V/EX39)	123.04	
26 01 50 51-0281	EA	80 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-3039)	138.03	
26 01 50 51-0282	EA	80 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-4039)	138.03	
26 01 50 51-0283	EA	80 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-5039)	138.03	
26 01 50 51-0284	EA	80 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-6039)	138.03	
26 01 50 51-0285	EA	100 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-3039)	142.53	
26 01 50 51-0286	EA	100 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-4039)	142.53	
26 01 50 51-0287	EA	100 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-5039)	142.53	
26 01 50 51-0288	EA	100 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-6039)	142.53	
26 01 50 51-0289	EA	120 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-3039)	168.77	
26 01 50 51-0290	EA	120 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-4039)	168.77	
26 01 50 51-0291	EA	120 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-5039)	168.77	
26 01 50 51-0292	EA	120 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-6039)	168.77	
26 01 50 51-0293	EA	150 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-3039)	200.26	
26 01 50 51-0294	EA	150 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-4039)	200.26	
26 01 50 51-0295	EA	150 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-5039)	200.26	
26 01 50 51-0296	EA	150 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-6039)	200.26	
26 01 50 51-0297	EA	27 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED27WPT40KMOG-G5)	70.53	
26 01 50 51-0298	EA	27 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED27WPT50KMOG-G5)	70.53	
26 01 50 51-0299	EA	36 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED36WPT40KMOG-G5)	81.77	
26 01 50 51-0300	EA	36 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED36WPT50KMOG-G5)	80.74	
26 01 50 51-0301	EA	45 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED45WPT40KMOG-G5)	90.02	

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 01 50 51-0302	EA	45 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (Eiko industries LED45WPT50KMOG-G5).....	89.14
26 01 50 51-0303	EA	54 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (Eiko industries LED54WPT40KMOG-G5).....	91.15
26 01 50 51-0304	EA	54 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (Eiko industries LED54WPT50KMOG-G5).....	88.54
26 01 50 51-0305	EA	100 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (Eiko industries LED100WPT40KMOG-G5).....	190.49
26 01 50 51-0306	EA	20 Watt, 4000K CCT, Mogul Base E39, Horizontal LED Lamp (Eiko industries LED20WPT/180/40KMOG-G7).....	70.50
26 01 50 51-0307	EA	20 Watt, 5000K CCT, Mogul Base E39, Horizontal LED Lamp (Eiko industries LED20WPT/180/50KMOG-G7).....	70.50
26 01 50 51-0308	EA	30 Watt, 4000K CCT, Mogul Base E39, Horizontal LED Lamp (Eiko industries LED30WPT/180/40KMOG-G7).....	79.83
26 01 50 51-0309	EA	30 Watt, 5000K CCT, Mogul Base E39, Horizontal LED Lamp (Eiko industries LED30WPT/180/50KMOG-G7).....	79.83
26 01 50 51-0310	EA	40 Watt, 4000K CCT, Mogul Base E39, Horizontal LED Lamp (Eiko industries LED40WPT/180/40KMOG-G7).....	85.44
26 01 50 51-0311	EA	40 Watt, 5000K CCT, Mogul Base E39, Horizontal LED Lamp (Eiko industries LED40WPT/180/50KMOG-G7).....	85.44
26 01 50 51-0312	EA	27 Watt, 4000K CCT, Mogul Base E39, LED Lamp (Eiko industries LED27WPT40KMOG-G7).....	55.46
26 01 50 51-0313	EA	27 Watt, 5000K CCT, Mogul Base E39, LED Lamp (Eiko industries LED27WPT50KMOG-G7).....	55.46
26 01 50 51-0314	EA	36 Watt, 4000K CCT, Mogul Base E39, LED Lamp (Eiko industries LED36WPT40KMOG-G7).....	62.49
26 01 50 51-0315	EA	36 Watt, 5000K CCT, Mogul Base E39, LED Lamp (Eiko industries LED36WPT50KMOG-G7).....	62.49
26 01 50 51-0316	EA	45 Watt, 4000K CCT, Mogul Base E39, LED Lamp (Eiko industries LED45WPT40KMOG-G7).....	67.10
26 01 50 51-0317	EA	45 Watt, 5000K CCT, Mogul Base E39, LED Lamp (Eiko industries LED45WPT50KMOG-G7).....	67.10
26 01 50 51-0318	EA	54 Watt, 4000K CCT, Mogul Base E39, LED Lamp (Eiko industries LED54WPT40KMOG-G7).....	74.03
26 01 50 51-0319	EA	54 Watt, 5000K CCT, Mogul Base E39, LED Lamp (Eiko industries LED54WPT50KMOG-G7).....	74.03
26 01 50 51-0320	EA	65 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-65W8-55K-E39).....	132.42
26 01 50 51-0321	EA	80 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-80W8-55K-E39).....	152.97
26 01 50 51-0322	EA	100 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-100W8-55K-E39).....	182.21
26 01 50 51-0323	EA	120 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-120W8-55K-E39).....	354.41
26 01 50 51-0324	EA	150 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-150W8-55K-E39).....	334.74
26 01 50 51-0325	EA	200 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-200W8-55K-E39).....	354.41
26 01 50 51-0326	EA	250 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-250W8-55K-E39).....	355.94
26 01 50 51-0327	EA	24 Watt, 3000K CCT, Mogul Base E39, LED Lamp (Light Efficient Design LED-8029M30-A).....	55.12
26 01 50 51-0328	EA	24 Watt, 4000K CCT, Mogul Base E39, LED Lamp (Light Efficient Design LED-8029M40-A).....	55.12
26 01 50 51-0329	EA	24 Watt, 5700K CCT, Mogul Base E39, LED Lamp (Light Efficient Design LED-8029M57-A).....	55.12
26 01 50 51-0330	EA	100 Watt, Mogul Base E39, LED Area Lamp (MaxLite AR100LED50).....	161.20
26 01 50 51-0331	EA	115 Watt, 4000K CCT, Mogul Base EX39, HID LED Lamp (Keystone KT-LED115HID-V-EX39-840-D).....	421.61
26 01 50 51-0332	EA	40 Watt, 120-277 Volt, 5000K CCT, E39 Base, LED Arc-Cob Lamp (HYLITE HL-AC-40W-E39-50K).....	178.73
26 01 50 51-0333	EA	100 Watt, 480 Volt, 5000K CCT, E39 Base, LED Omni-Cob Lamp (HYLITE HL-OC-100W-E39-50K).....	210.73
26 01 50 51-0334	EA	45 Watt, 120-277 Volt, 5000K CCT, E39 Base, LED Omni-Cob Lamp (HYLITE HL-OC-45W-E39-50K).....	92.37
26 01 50 51-0335	EA	40 Watt, 5680 Lumens, Mogul Base E39, LED Directional Flood Lamp (HYLITE HL-IDL-40W-E39-50K).....	293.25

26 01 50 51-0336 LED Lamps, 2G11 Base (26 01 50 51-0113)

26 01 50 51-0337	EA	19 Watt, 1550 Lumens, 3500K CCT, 2G11 Base, Dimmable LED Lamp (Green Creative 14.5PLL/835/DIR).....	49.06
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26 01 50 51-0338 LED Lamps, GX23 Or G23 Base (26 01 50 51-0113)

26 01 50 51-0339	EA	5 Watt, 580 Lumens, 2 Pin GX23 Base, Dimmable LED Lamp (Lunera HN-H-GX23-U-5W-840-G4).....	23.87
26 01 50 51-0340	EA	5.5 Watt, GX23 Base, LED Lamp (GreenCreative 5.5PLS/840/HYB/GX23).....	20.34
		For >25 To 50, Deduct	-1.02
		For >50 To 100, Deduct	-1.70
		For >100, Deduct	-2.74
26 01 50 51-0341	EA	5.5 Watt, GX23 Base, LED Lamp (GreenCreative 5.5PLSH/840/HYB/GX23).....	22.52
		For >25 To 50, Deduct	-1.13
		For >50 To 100, Deduct	-1.87
		For >100, Deduct	-2.96
26 01 50 51-0342	EA	5.5 Watt, GX23 Base, LED Lamp (GreenCreative 5.5PLSH/835/HYB/GX23).....	22.52
		For >25 To 50, Deduct	-1.13
		For >50 To 100, Deduct	-1.87
		For >100, Deduct	-2.96
26 01 50 51-0343	EA	3.5 Watt, G23 Base, LED Lamp (GreenCreative 3.5PLS/835/HYB/G23).....	20.34
		For >25 To 50, Deduct	-1.02
		For >50 To 100, Deduct	-1.70
		For >100, Deduct	-2.74
26 01 50 51-0344	EA	3.5 Watt, G23 Base, LED Lamp (GreenCreative 3.5PLS/840/HYB/G23).....	20.34
		For >25 To 50, Deduct	-1.02
		For >50 To 100, Deduct	-1.70
		For >100, Deduct	-2.74

26 01 50 51-0345 LED Lamps, G24 Base (26 01 50 51-0113)

26 01 50 51-0346	EA	5.5 Watt, 500 Lumens, G24 Base, LED Lamp (Green Creative 5.5PLH/835/DIR/R).....	31.17
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26 01 50 51-0347 LED Tubes (Fluorescent Lamp Replacement) (26 01 50 51-0113)

26 01 50 51-0348	EA	2', 1,250 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-24IN-4000K).....	42.78
		For Removal Of Multiple Lamps In A Fixture, Deduct	-3.11
26 01 50 51-0349	EA	2', 1,900 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-24INU-4000K).....	55.90
		For Removal Of Multiple Lamps In A Fixture, Deduct	-3.11
26 01 50 51-0350	EA	3', 1,900 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-36IN-4000K).....	46.10
		For Removal Of Multiple Lamps In A Fixture, Deduct	-3.31
26 01 50 51-0351	EA	4', 1,900 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-48IN-4000K).....	50.52
		For Removal Of Multiple Lamps In A Fixture, Deduct	-3.50
26 01 50 51-0352	EA	4', 2,200 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2HO-T8-48IN-4000K).....	55.44
		For Removal Of Multiple Lamps In A Fixture, Deduct	-3.50
26 01 50 51-0353	EA	4', 2,539 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Carson Technology CT-D02018TBN).....	34.51
		For Removal Of Multiple Lamps In A Fixture, Deduct	-3.50

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0354 EA 2', 1,348 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Carson Technology CT-D02010TBN) .....33.33 <i>For Removal Of Multiple Lamps In A Fixture, Deduct</i> .....-3.11		
26 01 50 51-0355 EA 2', 1,100 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED9T8/L24/FG/835/BF).....30.29 <i>For Removal Of Multiple Lamps In A Fixture, Deduct</i> .....-3.11		
26 01 50 51-0356 EA 3', 1,650 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED12T8/L36/FG/835/BF).....30.78 <i>For Removal Of Multiple Lamps In A Fixture, Deduct</i> .....-3.31		
26 01 50 51-0357 EA 4', 1,700 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED14T8/L48/FG/835/BF).....30.73 <i>For Removal Of Multiple Lamps In A Fixture, Deduct</i> .....-3.50		
26 01 50 51-0358 EA 4', 2,100 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED17T8/L48/FG/835/BF).....31.89 <i>For Removal Of Multiple Lamps In A Fixture, Deduct</i> .....-3.50		
26 01 50 51-0359 EA 4' LED Lamp Replacement For T8 Fluorescents (Philips 14T8 PRO LED/48-3500) .....21.04 <i>For Removal Of Multiple Lamps In A Fixture, Deduct</i> .....-3.50 <i>For >25 To 50, Deduct</i> .....-1.05 <i>For >50 To 100, Deduct</i> .....-1.84 <i>For >100, Deduct</i> .....-3.17		
26 01 50 51-0360 Filament LED Lamps (26 01 50 51-0113)		
26 01 50 51-0361 EA 7.5 Watt, 2700K CCT, Clear A19 Filament LED Lamp (Green Creative 7.5FA19DIM/827) .....17.57		
26 01 50 51-0362 EA 4.5 Watt, 2700K CCT, Clear A19 Filament LED Lamp (Green Creative 4.5A19DIM/827/R) .....17.57		
26 01 50 51-0363 EA 4.5 Watt, 2700K CCT, Clear A19 Filament LED Lamp (Green Creative 4.5FA19DIM/827).....16.82		
26 01 50 51-0364 EA 4.5 Watt, 2400 CCT, Amber A19 Filament LED Lamp (Green Creative 4.5FA19DIM/824/A).....16.82		
26 01 50 51-0365 EA 4.5 Watt, 2700K CCT, Clear G25 Globe Filament LED Lamp (Green Creative 4.5FG25DIM/827) .....18.02		
26 01 50 51-0366 EA 4.5 Watt, 2400 CCT, Amber G25 Globe Filament LED Lamp (Green Creative 4.5FG25DIM/824/A) .....18.02		
26 01 50 51-0367 EA 3.5 Watt, 2700K CCT, Clear B10 Candle Filament LED Lamp (Green Creative 3.5FB10DIM/827) .....15.32		
26 01 50 51-0368 EA 3.5 Watt, 2700K CCT, Clear B11 Candle Filament LED Lamp (Green Creative 3.5FB11DIM/827/E26) .....15.32		
26 01 50 51-0369 EA 3.5 Watt, 2400 CCT, Amber B10 Candle Filament LED Lamp (Green Creative 3.5FBA10DIM/824/FT/A).....15.77		
26 01 50 51-0370 EA 3.5 Watt, 2400 CCT, Amber ST19 Filament LED Lamp (Green Creative 5FST19DIM/824/A) .....19.07		
26 01 50 51-0371 EA 4.5 Watt, 120 Volt 450 Lumens ULTRA LED Filament Lamp (Sylvania 79521) .....23.12		
26 01 50 51-0372 Other Lamps (26 01 50 51-0113)		
26 01 50 51-0373 EA 8 Watt, Medium Base, A19, A-Shape Dimmable LED Lamp (Philips 8A19/END/2700 DIM 6/1) .....16.70		
26 01 50 51-0374 EA 8 Watt, Medium Base, A19, A-Shape Dimmable LED Lamp (Philips 7A19/2700 DIM).....16.70		
26 01 50 51-0375 EA 11 Watt, Medium Base, A19, A-Shape Dimmable LED Lamp (Philips 11A19/2700 DIM).....16.70		
26 01 50 51-0376 EA 12 Watt, Medium Base, Dimmable BR40 LED Lamp (Philips 12BR40/F90 2700 DIM AF 6/1).....17.45		
26 01 50 51-0377 EA 13 Watt, Medium Base, Dimmable PAR38 LED Single Optic Lamp (Philips 13PAR38/S15 4000 DIM AF SO 6/1) .....17.45		
26 01 50 51-0378 EA 8 Watt, Medium Base, Dimmable PAR20 LED Lamp (Philips 8PAR20/END/F36 3000 DIM 6/1).....17.45		
26 01 50 51-0379 LED Lamps, Light Engines, Round, LER Series (26 01 50 51-0113)		
26 01 50 51-0380 EA 5.5" Diameter, 17 Watt, 3000K CCT, Round LED Light Engine (Maxlite LER5.5A1730).....55.63		
26 01 50 51-0381 EA 9 Watt, 120 Volt, 800 Lumens, 2700K, Omnidirectional Ultra LED A-line Lamp (Sylvania LED9A19/DIM/O/827/U).....31.34		
26 01 50 51-0382 Remove Hazardous Lamps From Fixture For Recycling (26 01 50 51) Note: Excludes containers, shipping costs and recycling fees. See CSI section 26 01 50 51-0391 for recycling hazardous lamps.		
26 01 50 51-0383 EA Removal Of 2' Length Linear Fluorescent Lamps .....4.13 <i>For Removal Of Multiple Lamps In A Fixture, Deduct</i> .....-1.36		
26 01 50 51-0384 EA Removal Of 3' Length Linear Fluorescent Lamps .....4.71 <i>For Removal Of Multiple Lamps In A Fixture, Deduct</i> .....-1.55		
26 01 50 51-0385 EA Removal Of 4' Length Linear Fluorescent Lamps .....5.30 <i>For Removal Of Multiple Lamps In A Fixture, Deduct</i> .....-1.75		
26 01 50 51-0386 EA Removal Of 6' Length Linear Fluorescent Lamps .....5.90 <i>For Removal Of Multiple Lamps In A Fixture, Deduct</i> .....-1.95		
26 01 50 51-0387 EA Removal Of 8' Length Linear Fluorescent Lamps .....6.48 <i>For Removal Of Multiple Lamps In A Fixture, Deduct</i> .....-2.14		
26 01 50 51-0388 EA Removal Of Compact Fluorescent Lamps .....3.53 <i>For >25 To 40, Deduct</i> .....-0.35 <i>For >40, Deduct</i> .....-0.71		
26 01 50 51-0389 EA Removal Of U-Shaped Or Circular Fluorescent Lamps .....5.60 <i>For >25 To 40, Deduct</i> .....-0.56 <i>For >40, Deduct</i> .....-1.12		
26 01 50 51-0390 EA Removal Of High Intensity Discharge (HID) Or Metal Halide Lamps .....10.02 <i>For >25 To 40, Deduct</i> .....-1.00 <i>For >40, Deduct</i> .....-2.00		
26 01 50 51-0391 Recycle Hazardous Lamps (26 01 50 51) Note: Includes containers, shipping costs and recycling fees. Excludes lamp removal. See CSI section 26 01 50 51-0001 for removal of lamps from fixtures.		
26 01 50 51-0392 EA Recycle 2' Length Linear Fluorescent Lamps .....1.79		
26 01 50 51-0393 EA Recycle 3' Length Linear Fluorescent Lamps .....2.29		
26 01 50 51-0394 EA Recycle 4' Length Linear Fluorescent Lamps .....2.79		
26 01 50 51-0395 EA Recycle 6' Length Linear Fluorescent Lamps .....3.95		
26 01 50 51-0396 EA Recycle 8' Length Linear Fluorescent Lamps .....4.95		
26 01 50 51-0397 EA Recycle Compact Fluorescent Lamps .....4.56		
26 01 50 51-0398 EA Recycle U-Shaped Or Circular Fluorescent Lamps .....4.56		
26 01 50 51-0399 EA Recycle High Intensity Discharge (HID) Lamps .....7.20		
26 01 50 52 Ballasts Replacement (26 01 50)		
26 01 50 52-0001 Lighting Ballasts (26 01 50 52) Note: Excludes recycling fees. See CSI section 02 84 16 00-0003 for ballast recycling.		

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 01 50 52-0002	Fluorescent Ballasts (26 01 50 52-0001)		
26 01 50 52-0003	T5 Fluorescent Ballasts (26 01 50 52-0002)		
26 01 50 52-0004	T5 Fluorescent Electronic Ballasts (26 01 50 52-0003)		
Note: Includes 120/277 Volt and normal ballast factor.			
26 01 50 52-0005	14 Watt, T5 Fluorescent Electronic Ballasts (26 01 50 52-0004)		
26 01 50 52-0006	EA 1 Lamp, 14 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	140.37	23.58
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.07	
	For High Ballast Factor, Add	8.20	
26 01 50 52-0007	EA 2 Lamp, 14 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	146.26	29.47
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.84	
	For High Ballast Factor, Add	8.20	
26 01 50 52-0008	21 Watt, T5 Fluorescent Electronic Ballasts (26 01 50 52-0004)		
26 01 50 52-0009	EA 1 Lamp, 21 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	140.37	23.58
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.07	
	For High Ballast Factor, Add	8.20	
26 01 50 52-0010	EA 2 Lamp, 21 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	146.26	29.47
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.84	
	For High Ballast Factor, Add	8.20	
26 01 50 52-0011	28 Watt, T5 Fluorescent Electronic Ballasts (26 01 50 52-0004)		
26 01 50 52-0012	EA 1 Lamp, 28 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	140.37	23.58
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.07	
	For High Ballast Factor, Add	8.20	
26 01 50 52-0013	EA 2 Lamp, 28 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	146.26	29.47
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.84	
	For High Ballast Factor, Add	8.20	
26 01 50 52-0014	35 Watt, T5 Fluorescent Electronic Ballasts (26 01 50 52-0004)		
26 01 50 52-0015	EA 1 Lamp, 35 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	140.37	23.58
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.07	
26 01 50 52-0016	EA 2 Lamp, 35 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	146.26	29.47
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.84	
26 01 50 52-0017	54 Watt, T5 Fluorescent Electronic Ballasts (26 01 50 52-0004)		
26 01 50 52-0018	EA 1 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	140.21	23.58
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.07	
26 01 50 52-0019	EA 2 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	146.10	29.47
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.84	
26 01 50 52-0020	EA 3 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	201.04	35.36
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.61	
26 01 50 52-0021	EA 4 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	206.94	41.26
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.38	
26 01 50 52-0022	High-Output, T5HO Fluorescent Electronic Ballasts (26 01 50 52-0003)		
Note: Includes 120/277 Volt and normal ballast factor.			
26 01 50 52-0023	12 Watt, High-Output, T5HO Fluorescent Electronic Ballasts (26 01 50 52-0022)		
26 01 50 52-0024	EA 1 Lamp, 12 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast.....	117.08	23.58
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.07	
26 01 50 52-0025	EA 2 Lamp, 12 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast.....	122.97	29.47
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.84	
26 01 50 52-0026	24 Watt, High-Output, T5HO Fluorescent Electronic Ballasts (26 01 50 52-0022)		
26 01 50 52-0027	EA 1 Lamp, 24 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast.....	154.32	23.58
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.07	
26 01 50 52-0028	EA 2 Lamp, 24 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast.....	160.21	29.47
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.84	
26 01 50 52-0029	39 Watt, High-Output, T5HO Fluorescent Electronic Ballasts (26 01 50 52-0022)		
26 01 50 52-0030	EA 1 Lamp, 39 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast.....	154.32	23.58
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.07	
26 01 50 52-0031	EA 2 Lamp, 39 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast.....	160.21	29.47
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.84	
26 01 50 52-0032	54 Watt, High-Output, T5HO Fluorescent Electronic Ballasts (26 01 50 52-0022)		
26 01 50 52-0033	EA 1 Lamp, 54 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast.....	117.08	23.58
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.07	
26 01 50 52-0034	EA 2 Lamp, 54 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast.....	122.97	29.47
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.84	
26 01 50 52-0035	Dimming, T5 Fluorescent Electronic Ballasts (26 01 50 52-0003)		
26 01 50 52-0036	Step Dimming, T5 Fluorescent Electronic Ballasts (26 01 50 52-0035)		
Note: Includes 120/277 Volt and normal ballast factor.			

26 01 50 52-0037	28 Watt, Step Dimming, T5 Fluorescent Electronic Ballast (26 01 50 52-0036)		
26 01 50 52-0038	EA 2 Lamp, 28 Watt, Programmed Start, Step Dimming, T5 Fluorescent Electronic Ballast.....	124.90	29.47
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.84	
26 01 50 52-0039	Dimming To 5%, T5 Fluorescent Electronic Ballasts (26 01 50 52-0035)		
	Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0040	54 Watt, Dimming To 5%, High-Output, T5HO Fluorescent Electronic Ballasts (26 01 50 52-0039)		
26 01 50 52-0041	EA 1 Lamp, 54 Watt, Programmed Start, Dimming To 5%, High-Output, T5HO Fluorescent Electronic Ballast	507.06	23.58
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.07	
26 01 50 52-0042	EA 2 Lamp, 54 Watt, Programmed Start, Dimming To 5%, High-Output, T5HO Fluorescent Electronic Ballast	498.88	29.47
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.84	
26 01 50 52-0043	T8 Fluorescent Ballasts (26 01 50 52-0002)		
26 01 50 52-0044	T8 Fluorescent Electronic Ballasts (26 01 50 52-0043)		
	Note: Includes 120/277 Volt and low or normal ballast factor.		
26 01 50 52-0045	17 Watt, T8 Fluorescent Electronic Ballasts (26 01 50 52-0044)		
26 01 50 52-0046	EA 1 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast	59.24	23.58
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.07	
	For High Ballast Factor, Add	19.95	
26 01 50 52-0047	EA 1 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	107.24	23.58
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.07	
	For High Ballast Factor, Add	13.12	
26 01 50 52-0048	EA 2 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast	65.13	29.47
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.84	
	For High Ballast Factor, Add	19.95	
26 01 50 52-0049	EA 2 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	113.13	29.47
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.84	
	For High Ballast Factor, Add	13.12	
26 01 50 52-0050	EA 3 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast	79.45	35.36
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.61	
	For High Ballast Factor, Add	19.42	
26 01 50 52-0051	EA 3 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	126.40	35.36
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.61	
	For High Ballast Factor, Add	11.15	
26 01 50 52-0052	EA 4 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast	90.83	41.26
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.38	
	For High Ballast Factor, Add	49.18	
26 01 50 52-0053	EA 4 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	138.04	41.26
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.38	
	For High Ballast Factor, Add	28.71	
26 01 50 52-0054	25 Watt, T8 Fluorescent Electronic Ballasts (26 01 50 52-0044)		
26 01 50 52-0055	EA 1 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast	59.24	23.58
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.07	
	For High Ballast Factor, Add	19.95	
26 01 50 52-0056	EA 1 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	107.24	23.58
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.07	
	For High Ballast Factor, Add	13.12	
26 01 50 52-0057	EA 2 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast	65.13	29.47
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.84	
	For High Ballast Factor, Add	19.95	
26 01 50 52-0058	EA 2 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	113.13	29.47
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.84	
	For High Ballast Factor, Add	13.12	
26 01 50 52-0059	EA 3 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast	79.45	35.36
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.61	
	For High Ballast Factor, Add	19.42	
26 01 50 52-0060	EA 3 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	126.40	35.36
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.61	
	For High Ballast Factor, Add	11.15	
26 01 50 52-0061	EA 4 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast	90.83	41.26
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.38	
	For High Ballast Factor, Add	49.18	
26 01 50 52-0062	EA 4 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	138.04	41.26
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.38	
	For High Ballast Factor, Add	28.71	
26 01 50 52-0063	28 Watt, T8 Fluorescent Electronic Ballasts (26 01 50 52-0044)		
26 01 50 52-0064	EA 1 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast	59.24	23.58
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.07	
	For High Ballast Factor, Add	19.95	
26 01 50 52-0065	EA 1 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	107.24	23.58
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.07	
	For High Ballast Factor, Add	13.12	
26 01 50 52-0066	EA 2 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast	65.13	29.47
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.84	
	For High Ballast Factor, Add	19.95	
26 01 50 52-0067	EA 2 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	113.13	29.47
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.84	
	For High Ballast Factor, Add	13.12	

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
26 01 50 52-0068	EA 3 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	79.45 10.61 19.42		35.36	
26 01 50 52-0069	EA 3 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	126.40 10.61 11.15		35.36	
26 01 50 52-0070	EA 4 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	90.83 12.38 49.18		41.26	
26 01 50 52-0071	EA 4 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	138.04 12.38 28.71		41.26	
26 01 50 52-0072	32 Watt, T8 Fluorescent Electronic Ballasts (26 01 50 52-0044)				
26 01 50 52-0073	EA 1 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	59.24 7.07 19.95		23.58	
26 01 50 52-0074	EA 1 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	107.24 7.07 13.12		23.58	
26 01 50 52-0075	EA 2 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	65.13 8.84 19.95		29.47	
26 01 50 52-0076	EA 2 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	113.13 8.84 13.12		29.47	
26 01 50 52-0077	EA 3 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	79.45 10.61 19.42		35.36	
26 01 50 52-0078	EA 3 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	126.40 10.61 11.15		35.36	
26 01 50 52-0079	EA 4 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	90.83 12.38 49.18		41.26	
26 01 50 52-0080	EA 4 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	138.04 12.38 28.71		41.26	
26 01 50 52-0081	40 Watt, T8 Fluorescent Electronic Ballasts (26 01 50 52-0044)				
26 01 50 52-0082	EA 1 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	97.07 7.07 8.53		23.58	
26 01 50 52-0083	EA 1 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	107.24 7.07 13.12		23.58	
26 01 50 52-0084	EA 2 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	102.96 8.84 8.53		29.47	
26 01 50 52-0085	EA 2 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	113.13 8.84 13.12		29.47	
26 01 50 52-0086	EA 3 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	128.86 10.61 5.25		35.36	
26 01 50 52-0087	EA 3 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	126.40 10.61		35.36	
26 01 50 52-0088	EA 4 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	134.76 12.38 5.25		41.26	
26 01 50 52-0089	EA 4 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	138.04 12.38		41.26	
26 01 50 52-0090	96 Watt, T8 Fluorescent Electronic Ballasts (26 01 50 52-0044)				
26 01 50 52-0091	EA 1 Lamp, 96 Watt, Instant Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	117.08 7.07 18.27		23.58	
26 01 50 52-0092	EA 2 Lamp, 96 Watt, Instant Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	122.97 8.84 18.27		29.47	
26 01 50 52-0093	High-Output, T8HO Fluorescent Electronic Ballasts (26 01 50 52-0043) Note: Includes 120/277 Volt and normal ballast factor.				
26 01 50 52-0094	48 Watt, High-Output, T8HO Fluorescent Electronic Ballasts (26 01 50 52-0093)				
26 01 50 52-0095	EA 1 Lamp, 48 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	142.83 7.07		23.58	
26 01 50 52-0096	EA 1 Lamp, 48 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	187.32 7.07		23.58	
26 01 50 52-0097	EA 2 Lamp, 48 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	148.72 8.84		29.47	
26 01 50 52-0098	EA 2 Lamp, 48 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	193.21 8.84		29.47	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0178 EA 5 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast.....	151.72	47.15
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.15	
26 01 50 52-0179 EA 6 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast.....	157.62	53.05
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.92	
26 01 50 52-0180 40 Watt, Step Dimming, T8 Fluorescent Electronic Ballasts (26 01 50 52-0151)		
26 01 50 52-0181 EA 1 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast.....	69.77	23.58
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.07	
26 01 50 52-0182 EA 2 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast.....	75.66	29.47
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.84	
26 01 50 52-0183 EA 3 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast.....	84.58	35.36
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.61	
26 01 50 52-0184 EA 4 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast.....	105.10	41.26
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.38	
26 01 50 52-0185 EA 5 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast.....	151.72	47.15
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.15	
26 01 50 52-0186 EA 6 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast.....	157.62	53.05
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.92	
26 01 50 52-0187 Dimming To 3%, T8 Fluorescent Electronic Ballasts (26 01 50 52-0114)		
Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0188 17 Watt, Dimming To 3%, T8 Fluorescent Electronic Ballasts (26 01 50 52-0187)		
26 01 50 52-0189 EA 1 Lamp, 17 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	176.95	23.58
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.07	
26 01 50 52-0190 EA 2 Lamp, 17 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	182.84	29.47
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.84	
26 01 50 52-0191 EA 3 Lamp, 17 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	218.42	35.36
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.61	
26 01 50 52-0192 EA 4 Lamp, 17 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	224.32	41.26
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.38	
26 01 50 52-0193 25 Watt, Dimming To 3%, T8 Fluorescent Electronic Ballasts (26 01 50 52-0187)		
26 01 50 52-0194 EA 1 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	176.95	23.58
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.07	
26 01 50 52-0195 EA 2 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	182.84	29.47
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.84	
26 01 50 52-0196 EA 3 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	218.42	35.36
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.61	
26 01 50 52-0197 EA 4 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	224.32	41.26
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.38	
26 01 50 52-0198 28 Watt, Dimming To 3%, T8 Fluorescent Electronic Ballasts (26 01 50 52-0187)		
26 01 50 52-0199 EA 1 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	176.95	23.58
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.07	
26 01 50 52-0200 EA 2 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	182.84	29.47
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.84	
26 01 50 52-0201 EA 3 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	218.42	35.36
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.61	
26 01 50 52-0202 EA 4 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	224.32	41.26
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.38	
26 01 50 52-0203 32 Watt, Dimming To 3%, T8 Fluorescent Electronic Ballasts (26 01 50 52-0187)		
26 01 50 52-0204 EA 1 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	176.95	23.58
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.07	
26 01 50 52-0205 EA 2 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	182.84	29.47
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.84	
26 01 50 52-0206 EA 3 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	218.42	35.36
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.61	
26 01 50 52-0207 EA 4 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	224.32	41.26
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.38	
26 01 50 52-0208 T10 Fluorescent Ballasts (26 01 50 52-0002)		
26 01 50 52-0209 T10 Fluorescent Electronic Ballasts (26 01 50 52-0208)		
Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0210 40 Watt, T10 Fluorescent Electronic Ballasts (26 01 50 52-0209)		
26 01 50 52-0211 EA 1 Lamp, 40 Watt, Program/Rapid Start, T10 Fluorescent Electronic Ballast.....	85.59	23.58
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.07	
26 01 50 52-0212 EA 2 Lamp, 40 Watt, Program/Rapid Start, T10 Fluorescent Electronic Ballast.....	91.48	29.47
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.84	
26 01 50 52-0213 EA 3 Lamp, 40 Watt, Program/Rapid Start, T10 Fluorescent Electronic Ballast.....	112.29	35.36
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.61	
26 01 50 52-0214 T12 Fluorescent Ballasts (26 01 50 52-0002)		
26 01 50 52-0215 T12 Fluorescent Electronic Ballasts (26 01 50 52-0214)		
Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0216 25 Watt, T12 Fluorescent Electronic Ballasts (26 01 50 52-0215)		

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
26 01 50 52-0217	EA 1 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	59.24 7.07		23.58	
26 01 50 52-0218	EA 1 Lamp, 25 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	85.59 7.07		23.58	
26 01 50 52-0219	EA 2 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	65.13 8.84		29.47	
26 01 50 52-0220	EA 2 Lamp, 25 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	91.48 8.84		29.47	
26 01 50 52-0221	EA 3 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	79.45 10.61		35.36	
26 01 50 52-0222	EA 4 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	90.83 12.38		41.26	
26 01 50 52-0223	30 Watt, T12 Fluorescent Electronic Ballasts (26 01 50 52-0215)				
26 01 50 52-0224	EA 1 Lamp, 30 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	85.59 7.07		23.58	
26 01 50 52-0225	EA 2 Lamp, 30 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	91.48 8.84		29.47	
26 01 50 52-0226	EA 3 Lamp, 30 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	112.29 10.61		35.36	
26 01 50 52-0227	34 Watt, T12 Fluorescent Electronic Ballasts (26 01 50 52-0215)				
26 01 50 52-0228	EA 1 Lamp, 34 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	85.59 7.07		23.58	
26 01 50 52-0229	EA 2 Lamp, 34 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	91.48 8.84		29.47	
26 01 50 52-0230	EA 3 Lamp, 34 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	112.29 10.61		35.36	
26 01 50 52-0231	40 Watt, T12 Fluorescent Electronic Ballasts (26 01 50 52-0215)				
26 01 50 52-0232	EA 1 Lamp, 40 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	85.59 7.07		23.58	
26 01 50 52-0233	EA 2 Lamp, 40 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	91.48 8.84		29.47	
26 01 50 52-0234	EA 3 Lamp, 40 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	112.29 10.61		35.36	
26 01 50 52-0235	96 Watt, T12 Fluorescent Electronic Ballasts (26 01 50 52-0215)				
26 01 50 52-0236	EA 1 Lamp, 96 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	108.39 7.07		23.58	
26 01 50 52-0237	EA 2 Lamp, 96 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	122.97 8.84		29.47	
26 01 50 52-0238	High-Output, T12HO Fluorescent Electronic Ballasts (26 01 50 52-0214) Note: Includes 120/277 Volt and normal ballast factor.				
26 01 50 52-0239	48 Watt, High-Output, T12HO Fluorescent Electronic Ballasts (26 01 50 52-0238)				
26 01 50 52-0240	EA 1 Lamp, 48 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	143.33 7.07		23.58	
26 01 50 52-0241	EA 2 Lamp, 48 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	149.22 8.84		29.47	
26 01 50 52-0242	60 Watt, High-Output, T12HO Fluorescent Electronic Ballasts (26 01 50 52-0238)				
26 01 50 52-0243	EA 1 Lamp, 60 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	143.33 7.07		23.58	
26 01 50 52-0244	EA 2 Lamp, 60 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	149.22 8.84		29.47	
26 01 50 52-0245	72 Watt, High-Output, T12HO Fluorescent Electronic Ballasts (26 01 50 52-0238)				
26 01 50 52-0246	EA 1 Lamp, 72 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	143.33 7.07		23.58	
26 01 50 52-0247	EA 2 Lamp, 72 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	149.22 8.84		29.47	
26 01 50 52-0248	96 Watt, High-Output, T12HO Fluorescent Electronic Ballasts (26 01 50 52-0238)				
26 01 50 52-0249	EA 2 Lamp, 96 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	143.33 7.07		23.58	
26 01 50 52-0250	EA 2 Lamp, 96 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	149.22 8.84		29.47	
26 01 50 52-0251	Emergency Fluorescent Ballasts (26 01 50 52-0002) Note: 120/277 Volt.				
26 01 50 52-0252	EA 350 To 450 Lumens, One Lamp, Code Compliance, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B100)..... <i>For Factory Installation In New Fixtures, Deduct</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	222.41 -47.15 14.15		23.58	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0253	EA	600 To 700 Lumens, Two Lamp, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B60)	373.09	29.47
		<i>For Factory Installation In New Fixtures, Deduct</i>	-49.51	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.85	
26 01 50 52-0254	EA	1,100 To 1,400 Lumens, One Or Two Lamp, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B50)	466.62	29.47
		<i>For Factory Installation In New Fixtures, Deduct</i>	-49.51	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.85	
26 01 50 52-0255	EA	600 To 700 Lumens, One Or Two Lamp, Two Hour Illumination, Emergency Fluorescent Ballast (Bodine B70A)	341.82	29.47
		<i>For Factory Installation In New Fixtures, Deduct</i>	-49.51	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.85	
26 01 50 52-0256	EA	2,700 To 3,400 Lumens, Two Or Three Lamp, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B33)	1,648.99	35.36
		<i>For Factory Installation In New Fixtures, Deduct</i>	-51.87	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.56	
26 01 50 52-0257	EA	225 To 450 Lumens, One Lamp, Four Hour Illumination, Emergency Fluorescent Ballast (Bodine B54)	474.10	23.58
		<i>For Factory Installation In New Fixtures, Deduct</i>	-47.15	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.15	
26 01 50 52-0258	EA	325 To 1,000 Lumens, One Or Two Lamp, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine B84CG)	802.11	29.47
		<i>For Factory Installation In New Fixtures, Deduct</i>	-49.51	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.85	
26 01 50 52-0259	EA	300 To 750 Lumens, One Or Two Lamp, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine B94CG)	435.82	29.47
		<i>For Factory Installation In New Fixtures, Deduct</i>	-49.51	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.85	
26 01 50 52-0260	EA	200 To 625 Lumens, One Lamp, Ninety Minute Illumination, Damp Location, Emergency Compact Fluorescent Ballast (Bodine B413)	599.46	23.58
		<i>For Factory Installation In New Fixtures, Deduct</i>	-47.15	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.15	
26 01 50 52-0261	EA	300 To 650 Lumens, One Lamp, Damp Location, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine B463)	462.16	23.58
		<i>For Factory Installation In New Fixtures, Deduct</i>	-47.15	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.15	
26 01 50 52-0262	EA	450 To 950 Lumens, One Or Two Lamp, Ninety Minute Illumination, Damp Location, Emergency Compact Fluorescent Ballast (Bodine B426)	522.95	29.47
		<i>For Factory Installation In New Fixtures, Deduct</i>	-49.51	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.85	
26 01 50 52-0263	EA	1,100 To 1,400 Lumens, One Or Two Lamp, Ninety Minute Illumination, Damp Location, Emergency Fluorescent Ballast (Bodine BDL500)	566.95	29.47
		<i>For Factory Installation In New Fixtures, Deduct</i>	-49.51	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.85	
26 01 50 52-0264	EA	600 To 700 Lumens, Two Lamp, Damp Location, Emergency Fluorescent Ballast (Bodine BDL600)	475.18	29.47
		<i>For Factory Installation In New Fixtures, Deduct</i>	-49.51	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.85	
26 01 50 52-0265	EA	600 To 700 Lumens, One Lamp, Two Hour Illumination, Emergency Fluorescent Ballast (Bodine BDL700)	483.22	23.58
		<i>For Factory Installation In New Fixtures, Deduct</i>	-47.15	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.15	
26 01 50 52-0266	EA	500 To 600 Lumens, One Lamp, Damp Location, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine BDL900)	419.61	23.58
		<i>For Factory Installation In New Fixtures, Deduct</i>	-47.15	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.15	
26 01 50 52-0267	EA	300 To 750 Lumens, One Or Two Lamp, Damp Location, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine BDL94C)	435.82	29.47
		<i>For Factory Installation In New Fixtures, Deduct</i>	-49.51	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.85	
26 01 50 52-0268	EA	450 Lumens, One Lamp, Low Profile, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine LP400)	426.47	23.58
		<i>For Factory Installation In New Fixtures, Deduct</i>	-47.15	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.15	
26 01 50 52-0269	EA	1,100 To 1,400 Lumens, One Or Two Lamp, Self Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B50ST)	789.31	29.47
		<i>For Factory Installation In New Fixtures, Deduct</i>	-49.51	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.85	
26 01 50 52-0270	EA	1,800 To 3,500 Lumens, One Or Two Lamp, Self Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B30ST)	990.00	29.47
		<i>For Factory Installation In New Fixtures, Deduct</i>	-49.51	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.85	
26 01 50 52-0271	EA	1,450 To 3,500 Lumens, One Or Two Lamp, Remote Control Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B30RCT)	1,862.93	29.47
		<i>For Factory Installation In New Fixtures, Deduct</i>	-49.51	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.85	
26 01 50 52-0272	EA	1,100 To 1,400 Lumens, One Or Two Lamp, Remote Control Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B50RCT)	1,290.44	29.47
		<i>For Factory Installation In New Fixtures, Deduct</i>	-49.51	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.85	
26 01 50 52-0273	EA	1,100 To 3,100 Lumens, One Or Two Lamp, Central Battery, Emergency Fluorescent Ballast With Voltage Sensing Circuit (Bodine CB90-48)	650.37	29.47
		<i>For Factory Installation In New Fixtures, Deduct</i>	-49.51	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.85	
26 01 50 52-0274	EA	1,050 To 3,200 Lumens, One Lamp, Interim Lighting For Generator Backup, Five Minute Illumination, Emergency Fluorescent Ballast (Bodine GEN1)	847.25	23.58
		<i>For Factory Installation In New Fixtures, Deduct</i>	-47.15	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.15	
26 01 50 52-0275	EA	250 Watt, Self-Diagnostic, Ninety Minute Illumination, Fluorescent Emergency Lighting Inverter (Bodine ELI-250-SD)	4,792.55	29.47
		<i>For Factory Installation In New Fixtures, Deduct</i>	-47.15	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.15	

26 01 50 52-0276 LED Emergency Ballasts (26 01 50 52-0001)

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 01 50 52-0277	EA Up To 520 Lumens, Ninety Minute Illumination, 120-277 Volt, 4 Watt Output, Emergency LED Driver (Bodine BSL4L).....	165.73		23.58
	For Factory Installation In New Fixtures, Deduct.....	-47.15		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	14.15		
26 01 50 52-0278	EA Up To 780 Lumens, Ninety Minute Illumination, 120-277 Volt, 6 Watt Output, Emergency LED Driver (Bodine BSL6LST).....	253.69		23.58
	For Factory Installation In New Fixtures, Deduct.....	-47.15		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	14.15		
26 01 50 52-0279	EA Up To 975 Lumens, Ninety Minute Illumination, 120-277 Volt, 7.5 Watt Output, Emergency LED Driver (Bodine BSL17C).....	306.44		23.58
	For Factory Installation In New Fixtures, Deduct.....	-47.15		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	14.15		
26 01 50 52-0280	EA Up To 1,300 Lumens, Ninety Minute Illumination, 120-277 Volt, 10 Watt Output, Emergency LED Driver (Bodine BSL310).....	344.10		23.58
	For Factory Installation In New Fixtures, Deduct.....	-47.15		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	14.15		
26 01 50 52-0281	EA Up To 2,200 Lumens, Ninety Minute Illumination, 120-277 Volt, 18 Watt Output, Emergency LED Driver (Bodine BSL718).....	353.62		23.58
	For Factory Installation In New Fixtures, Deduct.....	-47.15		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	14.15		
26 01 50 52-0282	EA Up To 2,600 Lumens, Ninety Minute Illumination, 120-277 Volt, 20 Watt Output, Emergency LED Driver (Bodine BSL20LV).....	463.87		23.58
	For Factory Installation In New Fixtures, Deduct.....	-47.15		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	14.15		
26 01 50 52-0283	EA Up To 2,300 Lumens, Ninety Minute Illumination, 120-277 Volt, 23 Watt LED Emergency Battery Backup (LiteTronics EB23UQ).....	552.32		23.58
	For Factory Installation In New Fixtures, Deduct.....	-47.15		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	14.15		
26 01 50 52-0284	Compact Fluorescent Ballasts (26 01 50 52-0001)			
26 01 50 52-0285	Compact Fluorescent Electronic Ballasts (26 01 50 52-0284)			
	Note: Includes 120/277 Volt and normal ballast factor.			
26 01 50 52-0286	18 Watt, Compact Fluorescent Electronic Ballasts (26 01 50 52-0285)			
26 01 50 52-0287	EA 1 Lamp, 18 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	132.50		23.58
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	7.07		
26 01 50 52-0288	EA 2 Lamp, 18 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	138.39		29.47
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	8.84		
26 01 50 52-0289	26 Watt, Compact Fluorescent Electronic Ballasts (26 01 50 52-0285)			
26 01 50 52-0290	EA 1 Lamp, 26 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	132.50		23.58
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	7.07		
26 01 50 52-0291	EA 2 Lamp, 26 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	138.39		29.47
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	8.84		
26 01 50 52-0292	32 Watt, Compact Fluorescent Electronic Ballasts (26 01 50 52-0285)			
26 01 50 52-0293	EA 1 Lamp, 32 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	165.47		23.58
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	7.07		
26 01 50 52-0294	EA 2 Lamp, 32 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	171.36		29.47
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	8.84		
26 01 50 52-0295	40 Watt, Compact Fluorescent Electronic Ballasts (26 01 50 52-0285)			
26 01 50 52-0296	EA 1 Lamp, 40 Watt, Instant Start, Compact Fluorescent Electronic Ballast.....	128.56		23.58
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	7.07		
26 01 50 52-0297	EA 1 Lamp, 40 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	165.47		23.58
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	7.07		
26 01 50 52-0298	EA 2 Lamp, 40 Watt, Instant Start, Compact Fluorescent Electronic Ballast.....	245.22		29.47
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	8.84		
26 01 50 52-0299	EA 2 Lamp, 40 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	171.36		29.47
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	8.84		
26 01 50 52-0300	EA 3 Lamp, 40 Watt, Instant Start, Compact Fluorescent Electronic Ballast.....	289.69		35.36
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	10.61		
26 01 50 52-0301	42 Watt, Compact Fluorescent Electronic Ballasts (26 01 50 52-0285)			
26 01 50 52-0302	EA 1 Lamp, 42 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	165.47		23.58
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	7.07		
26 01 50 52-0303	EA 2 Lamp, 42 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	171.36		29.47
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	8.84		
26 01 50 52-0304	55 Watt, Compact Fluorescent Electronic Ballasts (26 01 50 52-0285)			
26 01 50 52-0305	EA 1 Lamp, 55 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	165.47		23.58
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	7.07		
26 01 50 52-0306	EA 2 Lamp, 55 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	171.36		29.47
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	8.84		
26 01 50 52-0307	Dimming, Compact Fluorescent Electronic Ballasts (26 01 50 52-0284)			
26 01 50 52-0308	Dimming To 5%, Compact Fluorescent Electronic Ballasts (26 01 50 52-0307)			
	Note: Includes 120/277 Volt and normal ballast factor.			

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0309 18 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts (26 01 50 52-0308)		
26 01 50 52-0310 EA 1 Lamp, 18 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	249.79 7.07	23.58
26 01 50 52-0311 EA 2 Lamp, 18 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	255.68 8.84	29.47
26 01 50 52-0312 26 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts (26 01 50 52-0308)		
26 01 50 52-0313 EA 1 Lamp, 26 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	249.79 7.07	23.58
26 01 50 52-0314 EA 2 Lamp, 26 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	255.68 8.84	29.47
26 01 50 52-0315 32 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts (26 01 50 52-0308)		
26 01 50 52-0316 EA 1 Lamp, 32 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	249.79 7.07	23.58
26 01 50 52-0317 EA 2 Lamp, 32 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	273.88 8.84	29.47
26 01 50 52-0318 40 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts (26 01 50 52-0308)		
26 01 50 52-0319 EA 2 Lamp, 40 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	273.88 8.84	29.47
26 01 50 52-0320 42 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts (26 01 50 52-0308)		
26 01 50 52-0321 EA 1 Lamp, 42 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	249.79 7.07	23.58
26 01 50 52-0322 EA 2 Lamp, 42 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	273.88 8.84	29.47
26 01 50 52-0323 55 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts (26 01 50 52-0308)		
26 01 50 52-0324 EA 1 Lamp, 55 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	402.34 7.07	23.58
26 01 50 52-0325 EA 2 Lamp, 55 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	451.04 8.84	29.47
26 01 50 52-0326 High Intensity Discharge (HID) Ballasts (26 01 50 52-0001)		
26 01 50 52-0327 Magnetic High Intensity Discharge (HID) Ballasts (26 01 50 52-0326)		
26 01 50 52-0328 Core And Coil High Intensity Discharge (HID) Ballasts (26 01 50 52-0327)		
26 01 50 52-0329 Metal Halide, Core And Coil High Intensity Discharge (HID) Ballasts (26 01 50 52-0328)		
26 01 50 52-0330 EA 1 Lamp, 100 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	165.59 12.38	29.47
26 01 50 52-0331 EA 1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	169.61 12.38	29.47
26 01 50 52-0332 EA 1 Lamp, 250 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	169.61 12.38	29.47
26 01 50 52-0333 EA 1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	158.16 12.38	29.47
26 01 50 52-0334 EA 1 Lamp, 400 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	158.16 12.38	29.47
26 01 50 52-0335 EA 1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	234.87 12.38	29.47
26 01 50 52-0336 EA 1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	234.87 12.38	29.47
26 01 50 52-0337 EA 1 Lamp, 1,500 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	302.44 12.38	29.47
26 01 50 52-0338 EA 1 Lamp, 1,500 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	336.90 12.38	29.47
26 01 50 52-0339 High Pressure Sodium, Core And Coil High Intensity Discharge (HID) Ballasts (26 01 50 52-0328)		
26 01 50 52-0340 EA 1 Lamp, 50 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	149.70 12.38	29.47
26 01 50 52-0341 EA 1 Lamp, 70 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	158.69 12.38	29.47
26 01 50 52-0342 EA 1 Lamp, 100 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	154.81 12.38	29.47
26 01 50 52-0343 EA 1 Lamp, 150 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	181.83 12.38	29.47
26 01 50 52-0344 EA 1 Lamp, 150 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	177.97 12.38	29.47
26 01 50 52-0345 EA 1 Lamp, 250 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	203.04 12.38	29.47
26 01 50 52-0346 EA 1 Lamp, 250 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	203.04 12.38	29.47

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
26 01 50 52-0347	EA 1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	244.74 12.38		29.47	
26 01 50 52-0348	EA 1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	244.74 12.38		29.47	
26 01 50 52-0349	EA 1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	391.07 12.38		29.47	
26 01 50 52-0350	EA 1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	391.07 12.38		29.47	
26 01 50 52-0351 Mounting Brackets For Core And Coil High Intensity Discharge (HID) Ballasts (26 01 50 52-0328)					
26 01 50 52-0352	EA Single Mounting Bracket For Core And Coil Type <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.93 3.54			
26 01 50 52-0353	EA Double Mounting Bracket For Core And Coil Type <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.03 5.31			
26 01 50 52-0354 F-Can High Intensity Discharge (HID) Ballasts (26 01 50 52-0327)					
26 01 50 52-0355 Metal Halide, F-Can High Intensity Discharge (HID) Ballasts (26 01 50 52-0354)					
26 01 50 52-0356	EA 1 Lamp, 70 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast..... <i>For Pulse Start Ballast, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	209.87 16.86 12.38		29.47	
26 01 50 52-0357	EA 1 Lamp, 100 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast..... <i>For Pulse Start Ballast, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	221.02 17.98 12.38		29.47	
26 01 50 52-0358	EA 1 Lamp, 175 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast..... <i>For Pulse Start Ballast, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	201.42 16.02 12.38		29.47	
26 01 50 52-0359	EA 1 Lamp, 250 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast..... <i>For Pulse Start Ballast, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	233.63 19.24 12.38		29.47	
26 01 50 52-0360	EA 1 Lamp, 400 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast..... <i>For Pulse Start Ballast, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	323.88 28.26 12.38		29.47	
26 01 50 52-0361 High Pressure Sodium, F-Can High Intensity Discharge (HID) Ballasts (26 01 50 52-0354)					
26 01 50 52-0362	EA 1 Lamp, 70 Watt High Pressure Sodium, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	252.13 12.38		29.47	
26 01 50 52-0363	EA 1 Lamp, 100 Watt High Pressure Sodium, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	269.52 12.38		29.47	
26 01 50 52-0364 Postline High Intensity Discharge (HID) Ballasts (26 01 50 52-0327)					
26 01 50 52-0365 Metal Halide, Postline High Intensity Discharge (HID) Ballasts (26 01 50 52-0364)					
26 01 50 52-0366	EA 1 Lamp, 50 Watt Metal Halide, 120 Volt, Postline High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	418.79 12.38		29.47	
26 01 50 52-0367 High Pressure Sodium, Postline High Intensity Discharge (HID) Ballasts (26 01 50 52-0364)					
26 01 50 52-0368	EA 1 Lamp, 70 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	644.48 12.35		29.40	
26 01 50 52-0369	EA 1 Lamp, 100 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	718.59 12.35		29.40	
26 01 50 52-0370	EA 1 Lamp, 150 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	692.95 12.35		29.40	
26 01 50 52-0371 Indoor Enclosed High Intensity Discharge (HID) Ballasts (26 01 50 52-0327)					
26 01 50 52-0372 Metal Halide, Indoor Enclosed High Intensity Discharge (HID) Ballasts (26 01 50 52-0371)					
26 01 50 52-0373	EA 1 Lamp, 175 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	515.33 12.38		29.47	
26 01 50 52-0374	EA 1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	584.72 12.38		29.47	
26 01 50 52-0375	EA 1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	771.88 12.38		29.47	
26 01 50 52-0376	EA 1 Lamp, 400 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	767.85 12.38		29.47	
26 01 50 52-0377	EA 2 Lamp, 400 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,075.37 13.09		31.83	
26 01 50 52-0378	EA 2 Lamp, 400 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,075.37 13.09		31.83	
26 01 50 52-0379	EA 1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	740.31 12.38		29.47	
26 01 50 52-0380	EA 1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	870.75 12.38		29.47	
26 01 50 52-0381 High Pressure Sodium, Indoor Enclosed High Intensity Discharge (HID) Ballasts (26 01 50 52-0371)					

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0382	EA	1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	960.44 12.38	29.47
26 01 50 52-0383	EA	1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	914.47 12.38	29.47
26 01 50 52-0384	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,175.10 12.38	29.47
26 01 50 52-0385	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,175.10 12.38	29.47
26 01 50 52-0386 Outdoor Weatherproof High Intensity Discharge (HID) Ballasts (26 01 50 52-0327)				
26 01 50 52-0387 Metal Halide, Outdoor Weatherproof High Intensity Discharge (HID) Ballasts (26 01 50 52-0386)				
26 01 50 52-0388	EA	1 Lamp, 175 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	578.92 12.38	29.47
26 01 50 52-0389	EA	1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	625.24 12.38	29.47
26 01 50 52-0390	EA	1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	620.68 12.38	29.47
26 01 50 52-0391	EA	1 Lamp, 400 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	651.71 12.38	29.47
26 01 50 52-0392	EA	2 Lamp, 400 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,034.90 13.09	31.83
26 01 50 52-0393	EA	2 Lamp, 400 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,271.86 13.09	31.83
26 01 50 52-0394	EA	1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	965.83 12.38	29.47
26 01 50 52-0395	EA	1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	879.43 12.38	29.47
26 01 50 52-0396 High Pressure Sodium, Outdoor Weatherproof High Intensity Discharge (HID) Ballasts (26 01 50 52-0386)				
26 01 50 52-0397	EA	1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	746.99 12.38	29.47
26 01 50 52-0398	EA	1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	805.41 12.38	29.47
26 01 50 52-0399	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,202.06 12.38	29.47
26 01 50 52-0400	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,034.47 12.38	29.47
26 01 50 52-0401 Electronic High Intensity Discharge (HID) Ballasts (26 01 50 52-0326)				
26 01 50 52-0402 Electronic Low Frequency High Intensity Discharge (HID) Ballasts (26 01 50 52-0401)				
26 01 50 52-0403	EA	1 Lamp, 70 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	232.08 12.38	29.47
26 01 50 52-0404	EA	1 Lamp, 100 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	232.08 12.38	29.47
26 01 50 52-0405	EA	1 Lamp, 150 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	261.36 12.38	29.47
26 01 50 52-0406	EA	1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	671.68 12.38	29.47
26 01 50 52-0407	EA	1 Lamp, 300 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	671.68 12.38	29.47
26 01 50 52-0408	EA	1 Lamp, 320 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	671.68 12.38	29.47
26 01 50 52-0409	EA	1 Lamp, 350 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	671.68 12.38	29.47
26 01 50 52-0410	EA	1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	671.68 12.38	29.47
26 01 50 52-0411 Owner Supplied Ballasts (26 01 50 52-0001)				
26 01 50 52-0412	EA	Install Owner Supplied, 1 Lamp Fluorescent Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.58 7.07	
26 01 50 52-0413	EA	Install Owner Supplied, 2 Lamp Fluorescent Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.47 8.84	
26 01 50 52-0414	EA	Install Owner Supplied, 3 Lamp Fluorescent Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.19 10.26	
26 01 50 52-0415	EA	Install Owner Supplied, 4 Lamp Fluorescent Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.54 10.96	
26 01 50 52-0416	EA	Install Owner Supplied, 1 Lamp High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41.26 12.38	
26 01 50 52-0417	EA	Install Owner Supplied, 2 Lamp High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.62 13.09	
26 01 50 53 Lens and Accessory Replacement (26 01 50)				
26 01 50 53-0001 Lens and Accessory Replacement (26 01 50 53)				
26 01 50 53-0002	EA	Removal And Replacement Of Parabolic Aluminum Louver.....	83.80	

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 01 50 53-0003	EA	Removal And Replacement Of Visor For Fixtures	184.19
26 01 50 53-0004	EA	Removal And Replacement Of Globe On Pole	208.83
26 01 50 53-0005	EA	Removal And Replacement Of Lenses For Flat Top Pole Fixtures	87.60
26 01 50 53-0006	EA	Removal And Replacement Of 1' x 4' Diffuser With 0.125" Thick Prismatic Acrylic Diffuser	30.03
26 01 50 53-0007	EA	Removal And Replacement Of 2' x 2' Diffuser With 0.125" Thick Prismatic Acrylic Diffuser	31.08
26 01 50 53-0008	EA	Removal And Replacement Of 2' x 4' Diffuser With 0.125" Thick Prismatic Acrylic Diffuser	35.62
26 01 50 53-0009	EA	Removal And Replacement Of Slide-On Lampholder	13.40
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.53
26 01 50 53-0010	EA	Removal And Replacement Of Screw Mount Lampholder	13.57
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.53
26 01 50 53-0011	EA	Removal And Replacement Of Medium Bi-Pin Lampholder	14.95
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.53
26 01 50 53-0012	EA	Removal And Replacement Of Fixed High Output Lampholder, Recessed, Double Contact Double Pedestal Type	17.08
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.53
26 01 50 53-0013	EA	Removal And Replacement Of Plunger High Output Lampholder, Recessed, Double Contact Double Pedestal Type	18.47
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.53
26 01 50 53-0014	EA	Removal And Replacement Of Compact Twin-Tube Lampholder, Snap-in	14.74
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.53
26 01 50 53-0015	EA	Removal And Replacement Of Exterior Light Globes	59.73

26 01 50 81 Luminaire Replacement (26 01 50)26 01 50 81-0001 Retrofit Lighting Fixtures (26 01 50 81)26 01 50 81-0002 LED Lighting Retrofits For Existing Fixtures (26 01 50 81-0001)26 01 50 81-0003 LED Lighting Retrofits For Existing Downlight Fixtures (GreenCreative) (26 01 50 81-0002)

Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.

26 01 50 81-0004	EA	7" Round Downlight, 15 Watt, 2700K CCT, LED Retrofit (GreenCreative 15SMPR7DIM/927)	100.86
26 01 50 81-0005	EA	7" Round Downlight, 15 Watt, 3000K CCT, LED Retrofit (GreenCreative 15SMPR7DIM/930)	100.86
26 01 50 81-0006	EA	7" Round Downlight, 15 Watt, 4000K CCT, LED Retrofit (GreenCreative 15SMPR7DIM/940)	100.86
26 01 50 81-0007	EA	4" Diameter, 8.5 Watt, 2700K CCT, THINFIT LED Downlight, (GreenCreative 8.5DLNC4DIM/827)	83.97
26 01 50 81-0008	EA	4" Diameter, 8.5 Watt, 3000K CCT, THINFIT LED Downlight, (GreenCreative 8.5DLNC4DIM/830)	83.97
26 01 50 81-0009	EA	4" Diameter, 8.5 Watt, 4000K CCT, THINFIT LED Downlight, (GreenCreative 8.5DLNC4DIM/840)	83.97
26 01 50 81-0010	EA	6" Diameter, 11.6 Watt, 2700K CCT, THINFIT LED Downlight, (GreenCreative 11.6DLNC6DIM/827)	91.08
26 01 50 81-0011	EA	6" Diameter, 11.6 Watt, 3000K CCT, THINFIT LED Downlight, (GreenCreative 11.6DLNC6DIM/830)	91.08
26 01 50 81-0012	EA	6" Diameter, 11.6 Watt, 4000K CCT, THINFIT LED Downlight, (GreenCreative 11.6DLNC6DIM/840)	91.08

26 01 50 81-0013 LED Lighting Retrofits For Existing Site Fixtures (Daylight Technology) (26 01 50 81-0002)

Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.

26 01 50 81-0014	EA	2,300 Lumens, 23 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-20w)	287.82
26 01 50 81-0015	EA	3,300 Lumens, 33 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-30w)	298.49
26 01 50 81-0016	EA	4,400 Lumens, 44 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-40w)	309.15
26 01 50 81-0017	EA	5,400 Lumens, 54 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-50w)	322.16
26 01 50 81-0018	EA	6,500 Lumens, 65 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-60w)	353.27
26 01 50 81-0019	EA	7,600 Lumens, 75 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-70w)	366.28
26 01 50 81-0020	EA	8,600 Lumens, 86 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-80w)	395.61
26 01 50 81-0021	EA	9,600 Lumens, 96 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-90w)	406.27
26 01 50 81-0022	EA	10,700 Lumens, 107 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-100w)	419.30
26 01 50 81-0023	EA	11,700 Lumens, 117 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-110w)	438.85
26 01 50 81-0024	EA	12,800 Lumens, 128 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-120w)	459.86
26 01 50 81-0025	EA	13,800 Lumens, 138 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-130w)	480.30
26 01 50 81-0026	EA	14,900 Lumens, 149 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-140w)	490.97
26 01 50 81-0027	EA	16,100 Lumens, 161 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-150w)	508.74
26 01 50 81-0028	EA	17,200 Lumens, 172 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-160w)	530.04
26 01 50 81-0029	EA	18,200 Lumens, 182 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-170w)	552.25
26 01 50 81-0030	EA	19,300 Lumens, 193 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-180w)	586.02
26 01 50 81-0031	EA	20,300 Lumens, 203 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-190w)	601.13
26 01 50 81-0032	EA	21,400 Lumens, 214 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-200w)	627.48
26 01 50 81-0033	EA	22,400 Lumens, 224 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-210w)	662.14
26 01 50 81-0034	EA	23,500 Lumens, 235 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-220w)	679.91
26 01 50 81-0035	EA	24,500 Lumens, 245 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-230w)	722.54
26 01 50 81-0036	EA	25,600 Lumens, 256 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-240w)	761.65
26 01 50 81-0037	EA	26,600 Lumens, 266 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-250w)	788.88
26 01 50 81-0038	EA	27,700 Lumens, 277 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-260w)	827.09
26 01 50 81-0039	EA	28,700 Lumens, 287 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-270w)	901.43
26 01 50 81-0040	EA	29,800 Lumens, 298 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-280w)	910.32
26 01 50 81-0041	EA	31,900 Lumens, 319 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-300w)	933.40

26 01 50 81-0042 LED Lighting Retrofits For Existing Fixtures (Optilumen) (26 01 50 81-0002)

Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.

26 01 50 81-0043	EA	20 Watt, 1 x 42", 3500L CCT, LED Retrofit Kit (Optilumen RKT1418M-35)	124.54
		Note: Fits 1' x 4' Troffer/Strip	
26 01 50 81-0044	EA	20 Watt, 1 x 42", 4000L CCT, LED Retrofit Kit (Optilumen RKT1418M-40)	124.54
		Note: Fits 1' x 4' Troffer/Strip	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0045	EA	20 Watt, 1 x 42", 5000L CCT, LED Retrofit Kit (Optilumen RKT1418M-50)..... Note: Fits 1' x 4' Troffer/Strip	124.54	
26 01 50 81-0046	EA	30 Watt, 2 x 42", 3500L CCT, LED Retrofit Kit (Optilumen RKT2415M-35)..... Note: Fits 2' x 4' Troffer/Strip	128.99	
26 01 50 81-0047	EA	2 x 42", 30 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT2415M-40) Note: Fits 2' x 4' Troffer/Strip	128.99	
26 01 50 81-0048	EA	2 x 42", 30 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT2415M-50) Note: Fits 2' x 4' Troffer/Strip	128.99	
26 01 50 81-0049	EA	2 x 42", 40 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT2418M-35) Note: Fits 2' x 4' Troffer/Strip	137.87	
26 01 50 81-0050	EA	2 x 42", 40 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT2418M-40) Note: Fits 2' x 4' Troffer/Strip	137.87	
26 01 50 81-0051	EA	2 x 42", 40 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT2418M-50) Note: Fits 2' x 4' Troffer/Strip	137.87	
26 01 50 81-0052	EA	3 x 42", 30 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3415M-35) Note: Fits 2' x 4' Troffer/Strip	128.99	
26 01 50 81-0053	EA	3 x 42", 30 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3415M-40) Note: Fits 2' x 4' Troffer/Strip	128.99	
26 01 50 81-0054	EA	3 x 42", 30 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3415M-50) Note: Fits 2' x 4' Troffer/Strip	128.99	
26 01 50 81-0055	EA	3 x 42", 40 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3418M-35) Note: Fits 2' x 4' Troffer/Strip	137.87	
26 01 50 81-0056	EA	3 x 42", 40 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3418M-40) Note: Fits 2' x 4' Troffer/Strip	137.87	
26 01 50 81-0057	EA	3 x 42", 40 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3418M-50) Note: Fits 2' x 4' Troffer/Strip	137.87	
26 01 50 81-0058	EA	3 x 42", 60 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3424M-35) Note: Fits 2' x 4' Troffer/Strip	155.65	
26 01 50 81-0059	EA	3 x 42", 60 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3424M-40) Note: Fits 2' x 4' Troffer/Strip	155.65	
26 01 50 81-0060	EA	3 x 42", 60 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3424M-50) Note: Fits 2' x 4' Troffer/Strip	155.65	
26 01 50 81-0061	EA	1 x 21", 10 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT1209M-35) Note: Fits 1' x 2' Troffer/Strip	124.54	
26 01 50 81-0062	EA	1 x 21", 10 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT1209M-40) Note: Fits 1' x 2' Troffer/Strip	124.54	
26 01 50 81-0063	EA	1 x 21", 10 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT1209M-50) Note: Fits 1' x 2' Troffer/Strip	124.54	
26 01 50 81-0064	EA	2 x 21", 22 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT2209M-35) Note: Fits 2' x 2' Troffer/Strip	124.54	
26 01 50 81-0065	EA	2 x 21", 22 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT2209M-40) Note: Fits 2' x 2' Troffer/Strip	124.54	
26 01 50 81-0066	EA	2 x 21", 22 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT2209M-50) Note: Fits 2' x 2' Troffer/Strip	124.54	
26 01 50 81-0067	EA	3 x 21", 20 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3209M-35) Note: Fits 2' x 2' Troffer/Strip	128.99	
26 01 50 81-0068	EA	3 x 21", 20 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3209M-40) Note: Fits 2' x 2' Troffer/Strip	128.99	
26 01 50 81-0069	EA	3 x 21", 20 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3209M-50) Note: Fits 2' x 2' Troffer/Strip	128.99	
26 01 50 81-0070	EA	3 x 21", 30 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3210M-35) Note: Fits 2' x 2' Troffer/Strip	134.32	
26 01 50 81-0071	EA	3 x 21", 30 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3210M-40) Note: Fits 2' x 2' Troffer/Strip	134.32	
26 01 50 81-0072	EA	3 x 21", 30 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3210M-50) Note: Fits 2' x 2' Troffer/Strip	134.32	
26 01 50 81-0073		LED Lighting Retrofits For Existing Lay-In/Troffer Fixtures (LG) (26 01 50 81-0002) Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.		
26 01 50 81-0074	EA	34 Watt, 3500K CCT, 2' x 4", Retrofit Troffer LED Fixture With Sensor (LG LGE-2X4RT-34-35-4400-R(W)-SN).....	271.33	
26 01 50 81-0075	EA	34 Watt, 4000K CCT, 2' x 4", Retrofit Troffer LED Fixture With Sensor (LG LGE-2X4RT-34-40-4500-R(W)-SN).....	271.33	
26 01 50 81-0076	EA	26 Watt, 3500K CCT, 2' x 2", Retrofit Troffer LED Fixture With Sensor (LG LGE-2X2RT-26-35-3400-R(W)-SN).....	245.56	
26 01 50 81-0077	EA	26 Watt, 4000K CCT, 2' x 2", Retrofit Troffer LED Fixture With Sensor (LG LGE-2X2RT-26-40-3400-R(W)-SN).....	245.56	
26 01 50 81-0078	EA	25 Watt, 3,250 Lumens, 3500K CCT, Lay-In Retrofit 2' x 2' Troffer (LG LGE-2X2SI-25-35-3200-RV) Note: No sensor, ZigBee ready driver	125.78	
26 01 50 81-0079	EA	25 Watt, 3,250 Lumens, 4000K CCT, Lay-In Retrofit 2' x 2' Troffer (LG LGE-2X2SI-25-40-3200-RV) Note: No sensor, ZigBee ready driver	125.78	
26 01 50 81-0080	EA	31 Watt, 4,050 Lumens, 3500K CCT, Lay-In Retrofit 2' x 4' Troffer (LG LGE-2X2SI-31-35-3200-RV) Note: No sensor, ZigBee ready driver	142.67	
26 01 50 81-0081	EA	31 Watt, 4,050 Lumens, 4000K CCT, Lay-In Retrofit 2' x 4' Troffer (LG LGE-2X2SI-31-40-3200-RV) Note: No sensor, ZigBee ready driver	142.67	
26 01 50 81-0082	EA	25 Watt, 3,250 Lumens, 3500K CCT, Lay-In Retrofit 2' x 2' Troffer With Sensor Connect (LG LGE-2X2SC-25-35-3200-RV) Note: Factory installed sensor and ZigBee dongle	155.11	
26 01 50 81-0083	EA	25 Watt, 3,250 Lumens, 4000K CCT, Lay-In Retrofit 2' x 2' Troffer With Sensor Connect (LG LGE-2X2SC-25-40-3200-RV) Note: Factory installed sensor and ZigBee dongle	155.11	
26 01 50 81-0084	EA	31 Watt, 3,250 Lumens, 3500K CCT, Lay-In Retrofit 2' x 4' Troffer With Sensor Connect (LG LGE-2X2SC-31-35-3200-RV) Note: Factory installed sensor and ZigBee dongle	159.55	
26 01 50 81-0085	EA	31 Watt, 3,250 Lumens, 4000K CCT, Lay-In Retrofit 2' x 4' Troffer With Sensor Connect (LG LGE-2X2SC-31-40-3200-RV) Note: Factory installed sensor and ZigBee dongle	159.55	
26 01 50 81-0086	EA	2' x 2' 2-Board, 25 Watt, 3,120 Lumens, 3500K CCT, Retrofit Board Kits (LG LGE-2BDK-25-35-3120) Note: No sensor, ZigBee ready driver	100.01	

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 01 50 81-0087	EA	2' x 2' 2-Board, 25 Watt, 3,120 Lumens, 4000K CCT, Retrofit Board Kits (LG LGE-2BDK-25-40-3120).....	100.01	
		Note: No sensor, ZigBee ready driver		
26 01 50 81-0088	EA	2' x 4' 4-Board, 31 Watt, 3,120 Lumens, 3500K CCT, Retrofit Board Kits (LG LGE-4BDK-31-35-3880).....	110.68	
		Note: No sensor, ZigBee ready driver		
26 01 50 81-0089	EA	2' x 4' 4-Board, 31 Watt, 3,120 Lumens, 4000K CCT, Retrofit Board Kits (LG LGE-4BDK-31-40-3880).....	110.68	
		Note: No sensor, ZigBee ready driver		
26 01 50 81-0090	EA	2' x 2' 2-Board, 25 Watt, 3,120 Lumens, 3500K CCT, With Lens Retrofit Board Kits (LG LGE-2BDK-25-35-3120-L).....	102.68	
		Note: No sensor, ZigBee ready driver		
26 01 50 81-0091	EA	2' x 2' 2-Board, 25 Watt, 3,120 Lumens, 4000K CCT, With Lens Retrofit Board Kits (LG LGE-2BDK-25-40-3120-L).....	102.68	
		Note: No sensor, ZigBee ready driver		
26 01 50 81-0092	EA	2' x 4' 4-Board, 31 Watt, 3,120 Lumens, 3500K CCT, With Lens Retrofit Board Kits (LG LGE-4BDK-31-35-3880-L).....	113.34	
		Note: No sensor, ZigBee ready driver		
26 01 50 81-0093	EA	2' x 4' 4-Board, 31 Watt, 3,120 Lumens, 4000K CCT, With Lens Retrofit Board Kits (LG LGE-4BDK-31-40-3880-L).....	113.34	
		Note: No sensor, ZigBee ready driver		
26 01 50 81-0094	EA	6" Diameter, 16 Watt, 1,450 Lumens, 3500K CCT, Comm Retrofit Downlight (LG LGE-CRDL-16-35-1450).....	101.79	
		Note: No sensor, ZigBee ready driver		
26 01 50 81-0095	EA	6" Diameter, 16 Watt, 1,450 Lumens, 4000K CCT, Comm Retrofit Downlight (LG LGE-CRDL-16-40-1450).....	101.79	
		Note: No sensor, ZigBee ready driver		
26 01 50 81-0096	EA	8" Diameter, 22 Watt, 2,000 Lumens, 3500K CCT, Comm Retrofit Downlight (LG LGE-CRDL-22-35-2000).....	109.79	
		Note: No sensor, ZigBee ready driver		
26 01 50 81-0097	EA	8" Diameter, 22 Watt, 2,000 Lumens, 4000K CCT, Comm Retrofit Downlight (LG LGE-CRDL-22-40-2000).....	109.79	
		Note: No sensor, ZigBee ready driver		

26 01 50 81-0098 LED Lighting Retrofit Accessories (LG) (26 01 50 81-0002)

See CSI section 02 84 16 00-0003 for ballast recycling.

26 01 50 81-0099	EA	Dongle (LG LGE-DONGLE).....	25.45	
26 01 50 81-0100	EA	1-group On/Off/Dim, 2-Button, Wireless Switch (LG LGE-SWITCH-BAT-2B).....	139.31	13.41
26 01 50 81-0101	EA	2-group On/Off/Dim, 4-Button, Wireless Switch (LG LGE-SWITCH-BAT-4B).....	144.66	16.08
26 01 50 81-0102	EA	1-group On/Off/Dim, 2-Button, AC Powered Switch (LG LGE-SWITCH-AC-2B).....	179.49	13.41
26 01 50 81-0103	EA	2-group On/Off/Dim, 4-Button, AC Powered Switch (LG LGE-SWITCH-AC-4B).....	184.84	16.08
26 01 50 81-0104	EA	Photo, Motion Sensor With ZigBee Dongle plugin (LG LGE-MULTI-SENSOR).....	91.76	10.72
26 01 50 81-0105	EA	Tube Clip For Multi Sensor (LG LGE-TUBE-CLIP).....	29.73	10.72
26 01 50 81-0106	EA	Ceiling Plate For Multi Sensor (LG LGE-CEILING-PLATE).....	32.08	10.72
26 01 50 81-0107	EA	Wireless Interface Module (LG PIHN-W005A).....	85.40	16.08
		Note: includes dongle		

26 01 50 81-0108 Retrofit Existing (T12) Fluorescent Fixtures (26 01 50 81-0001)

Note: Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 02 84 16 00-0008 for leaking ballast disposal.

26 01 50 81-0109 Retrofit Existing (T12) Strip Style Fluorescent Fixtures Without Reflector (26 01 50 81-0108)

Note: Includes ballast, white reflective ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.

26 01 50 81-0110	EA	Retrofit An Existing 4' (T12) Strip Style Fixture Without Reflector To Operate One 4' (T8) Lamp.....	111.40	
		For Specular Ballast Cover, Add	14.05	
26 01 50 81-0111	EA	Retrofit An Existing 4' (T12) Strip Style Fixture Without Reflector To Operate Two 4' (T8) Lamps.....	118.36	
		For Specular Ballast Cover, Add	15.44	
26 01 50 81-0112	EA	Retrofit An Existing 8' (T12) Strip Style Fixture Without Reflector To Operate Two 4' (T8) Lamps.....	161.05	
		For Specular Ballast Cover, Add	23.98	
26 01 50 81-0113	EA	Retrofit An Existing 8' (T12) Strip Style Fixture Without Reflector To Operate Four 4' (T8) Lamps.....	186.38	
		For Specular Ballast Cover, Add	29.05	

26 01 50 81-0114 Retrofit Existing (T12) Strip Style Fluorescent Fixtures With Reflector (26 01 50 81-0108)

Note: Includes ballast, white reflector and ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.

26 01 50 81-0115	EA	Retrofit An Existing 4' (T12) Strip Style Fixture With Reflector To Operate One 4' (T8) Lamp.....	117.68	
		For Specular Reflector, Add	17.05	
26 01 50 81-0116	EA	Retrofit An Existing 4' (T12) Strip Style Fixture With Reflector To Operate Two 4' (T8) Lamps.....	125.39	
		For Specular Reflector, Add	17.05	
26 01 50 81-0117	EA	Retrofit An Existing 8' (T12) Strip Style Fixture With Reflector To Operate Two 4' (T8) Lamps.....	169.84	
		For Specular Reflector, Add	17.05	
26 01 50 81-0118	EA	Retrofit An Existing 8' (T12) Strip Style Fixture With Reflector To Operate Four 4' (T8) Lamps.....	220.34	
		For Specular Reflector, Add	17.05	

26 01 50 81-0119 Retrofit Existing (T12) Troffer Style Fluorescent Fixtures (26 01 50 81-0108)

Note: Includes ballast, white reflector and ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.

26 01 50 81-0120	EA	Retrofit An Existing 1 x 4 (T12) Troffer Style Fixture To Operate One 4' (T8) Lamps.....	145.76	
		For Specular Reflector, Add	17.05	
26 01 50 81-0121	EA	Retrofit An Existing 1 x 4 (T12) Troffer Style Fixture To Operate Two 4' (T8) Lamps.....	152.72	
		For Specular Reflector, Add	17.05	
26 01 50 81-0122	EA	Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Two 2' (T8) Lamps.....	155.61	
		For Specular Reflector, Add	17.05	
26 01 50 81-0123	EA	Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Three 2' (T8) Lamps.....	174.95	
		For Specular Reflector, Add	17.05	
26 01 50 81-0124	EA	Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Four 2' (T8) Lamps.....	215.26	
		For Specular Reflector, Add	17.05	
26 01 50 81-0125	EA	Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Two 4' (T8) Lamps.....	160.26	
		For Specular Reflector, Add	17.05	
26 01 50 81-0126	EA	Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Three 4' (T8) Lamps.....	176.91	
		For Specular Reflector, Add	17.05	
26 01 50 81-0127	EA	Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Four 4' (T8) Lamps.....	190.60	
		For Specular Reflector, Add	17.05	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 01 50 81-0128		Retrofit Existing Recessed Lay-In/Troffer Fixtures (26 01 50 81-0001)		
26 01 50 81-0129		Fluorescent Volumetric Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Lithonia) (26 01 50 81-0128) Note: Includes removing existing lamps and ballast. Includes installing adaptor frame, volumetric reflectors, lamps and ballasts. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.		
26 01 50 81-0130	EA	2 T8 Lamps, 0.78 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	164.79	
26 01 50 81-0131	EA	2 T8 Lamps, 0.88 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	164.79	
26 01 50 81-0132	EA	2 T8 Lamps, 1.20 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	164.79	
26 01 50 81-0133	EA	2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	178.97	
26 01 50 81-0134	EA	2 T8 Lamps, 0.78 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	164.79	
26 01 50 81-0135	EA	2 T8 Lamps, 0.88 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	164.79	
26 01 50 81-0136	EA	2 T8 Lamps, 1.20 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	164.79	
26 01 50 81-0137	EA	2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	178.97	
26 01 50 81-0138	EA	2 T8 Lamps, 0.78 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	165.81	
26 01 50 81-0139	EA	2 T8 Lamps, 0.88 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	165.81	
26 01 50 81-0140	EA	2 T8 Lamps, 1.20 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	165.81	
26 01 50 81-0141	EA	2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	180.00	
26 01 50 81-0142	EA	2 T8 Lamps, 0.78 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	165.81	
26 01 50 81-0143	EA	2 T8 Lamps, 0.88 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	165.81	
26 01 50 81-0144	EA	2 T8 Lamps, 1.20 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	165.81	
26 01 50 81-0145	EA	2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	180.00	
26 01 50 81-0146		LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (PlanLED) (26 01 50 81-0128) Note: Includes adaptor frame, optical system, LEDs and driver. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.		
26 01 50 81-0147	EA	2,400 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (PlanLED FR3E-025)	226.65	
26 01 50 81-0148	EA	4,300 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (PlanLED FR3E-045)	236.30	
26 01 50 81-0149		LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Raffino™) (26 01 50 81-0128) Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.		
26 01 50 81-0150	EA	1,800 Lumens, 1' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR14-1800L)	359.08	
26 01 50 81-0151	EA	2,600 Lumens, 1' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR14-2700L)	367.83	
26 01 50 81-0152	EA	2,200 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR22-2200L)	359.08	
26 01 50 81-0153	EA	3,300 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR22-3300L)	367.83	
26 01 50 81-0154	EA	3,300 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-3000L)	411.57	
26 01 50 81-0155	EA	4,150 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-4000L)	424.69	
26 01 50 81-0156	EA	5,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-5000L)	455.31	
26 01 50 81-0157		LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Orion) (26 01 50 81-0128) Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.		
26 01 50 81-0158	EA	3,000 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-030L-FO-UNV-FDX-840-22-1P-CT-M-ST)	332.31	
26 01 50 81-0159	EA	3,500 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-035L-FO-UNV-FDX-840-22-1P-CT-M-ST)	344.52	
26 01 50 81-0160	EA	3,200 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-032L-FO-UNV-FDX-840-24-1P-CT-M-ST)	348.17	
26 01 50 81-0161	EA	3,800 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-038L-FO-UNV-FDX-840-24-1P-CT-M-ST)	360.37	

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 01 50 81-0162	EA	2,000 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1A1UNVFDSX84022MST).....	249.95	
26 01 50 81-0163	EA	4,000 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1B1UNVFDSX84022MST).....	255.75	
26 01 50 81-0164	EA	3,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1D1UNVFDSX84024MST).....	265.02	
26 01 50 81-0165	EA	4,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1E1UNVFDSX84024MST).....	270.82	
26 01 50 81-0166	EA	6,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1F1UNVFDSX84024MST).....	335.73	
26 01 50 81-0167	EA	8,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (ORION LDRE1G1UNVFDSX84024MST).....	400.63	

26 01 50 81-0168 Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components) (26 01 50 81-0128)

Note: Includes adaptor frame, optical system, lamps and ballasts. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.

26 01 50 81-0169	EA	1 T5 Lamp, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	312.75	
26 01 50 81-0170	EA	1 T8 Lamp, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	224.55	
26 01 50 81-0171	EA	2 T5 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	320.83	
26 01 50 81-0172	EA	2 T8 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	232.56	
26 01 50 81-0173	EA	3 T5 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	335.49	
26 01 50 81-0174	EA	3 T8 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	254.48	
26 01 50 81-0175	EA	1 T5 Lamp, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	367.41	
26 01 50 81-0176	EA	1 T8 Lamp, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	279.02	
26 01 50 81-0177	EA	2 T5 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	374.99	
26 01 50 81-0178	EA	2 T8 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	286.65	
26 01 50 81-0179	EA	3 T5 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	389.48	
26 01 50 81-0180	EA	3 T8 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	308.47	

26 01 50 81-0181 LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL2R/RT) (26 01 50 81-0128)

Note: Includes removing existing lamps and ballast. Includes installing LED light engine assembly, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.

26 01 50 81-0182	EA	3,300 Lumens, 2' x 2', LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL2R/RT).....	666.72	
26 01 50 81-0183	EA	4,800 Lumens, 2' x 4', LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL4R/RT).....	741.32	

26 01 50 81-0184 Retrofit Existing HID Fixtures (26 01 50 81-0001)

26 01 50 81-0185	EA	Tear Drop LED Retrofit Kit (Holophane LTDRL2 P35S 40K AS BK TDRD 3 P).....	1,511.85	
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26 01 50 81-0186 Retrofit Existing Recessed Can Fixtures (26 01 50 81-0001)

26 01 50 81-0187	EA	8" LED Can Retrofit Kit, 2400 Lumens, 3500K, 277 Volt, 0-10 Volt, Open Reflector, Haze Trim (Juno Lighting JCLR8L 24LM 35K 80CRI MVOLT ZT HZWH).....	257.42	32.16
		For >25 To 50, Deduct	-12.87	
		For >50 To 100, Deduct	-20.51	
		For >100, Deduct	-30.57	
26 01 50 81-0188	EA	6" Round, 1,500 Lumens, 3500K CCT, LED Recessed Can Retrofit Kit (Lithonia LDN6RV 35/15 LR 6 AR LD MVOLT EZ1 LH NLTAIR2).....	282.98	
		For >25 To 50, Deduct	-14.15	
		For >50 To 100, Deduct	-22.69	
		For >100, Deduct	-34.17	
26 01 50 81-0189	EA	6" Round, 1,500 Lumens, 3500K CCT, LED Recessed Can Retrofit Kit (Lithonia LDN6RV 35/15 LRW 6 AR LD MVOLT EZ1 LH).....	282.98	
		For >25 To 50, Deduct	-14.15	
		For >50 To 100, Deduct	-22.69	
		For >100, Deduct	-34.17	
26 01 50 81-0190	EA	6" Round, 1,500 Lumens, 3500K CCT, LED Recessed Can Retrofit Kit (Lithonia LDN6RV 35/15 LR6 LD MVOLT EZ1 NLTAIR2).....	247.55	
		For >25 To 50, Deduct	-12.38	
		For >50 To 100, Deduct	-20.03	
		For >100, Deduct	-30.62	
26 01 50 81-0191	EA	6" Round, 800 Lumens, 3500K CCT, Recessed Can LED Retrofit Kit (Acuity Lighting LRT6-08LM35K277G4-80CRI-ZT-F-P-PF).....	297.17	
		For >25 To 50, Deduct	-14.86	
		For >50 To 100, Deduct	-23.49	
		For >100, Deduct	-34.54	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0192	EA		8" Round, 1,500 Lumens, 3500K CCT, LED Recessed Can Retrofit Kit (Lithonia LDN8RV 35/15 LR 8 AR LD MVOLT EZ1 LH NLTAIR2)	280.69	
			For >25 To 50, Deduct	-14.03	
			For >50 To 100, Deduct	-22.52	
			For >100, Deduct	-33.94	
26 01 50 81-0193	EA		8" Round, 1,500 Lumens, 3500K CCT, LED Recessed Can Retrofit Kit (Lithonia LDN8RV 35/15 LR 8 AR LD MVOLT EZ1 LH).....	328.32	
			For >25 To 50, Deduct	-16.42	
			For >50 To 100, Deduct	-26.09	
			For >100, Deduct	-38.70	
26 01 50 81-0194	EA		8" Round, 1,500 Lumens, 4000K CCT, LED Recessed Can Retrofit Kit (Lithonia LDN8RV 40/15 LR 8 AR LD MVOLT EZ1 LH).....	328.32	
			For >25 To 50, Deduct	-16.42	
			For >50 To 100, Deduct	-26.09	
			For >100, Deduct	-38.70	
26 01 50 81-0195	EA		8" Round, 1,500 Lumens, 3500K CCT, LED Recessed Can Retrofit Kit (Lithonia LDN8RV 35/15 LRW 8 AR LD MVOLT EZ1 LH NLTAIR2)	282.98	
			For >25 To 50, Deduct	-14.15	
			For >50 To 100, Deduct	-22.69	
			For >100, Deduct	-34.17	
26 01 50 81-0196	EA		8" Round, 2,500 Lumens, 3500K CCT, LED Recessed Can Retrofit Kit (Lithonia LDN8RV 35/25 LRW 8 AR LD MVOLT GZ1 LH)	268.07	
			For >25 To 50, Deduct	-13.40	
			For >50 To 100, Deduct	-21.57	
			For >100, Deduct	-32.68	
26 01 50 81-0197	EA		8" Round, 1,500 Lumens, 3500K CCT, LED Recessed Can Retrofit Kit (Lithonia LDN8RV 35/15 LR8 LD MVOLT EZ1 NLTAIR2).....	282.98	
			For >25 To 50, Deduct	-14.15	
			For >50 To 100, Deduct	-22.69	
			For >100, Deduct	-34.17	
26 01 50 81-0198	EA		8" Round, 1,500 Lumens, 4000K CCT, LED Recessed Can Retrofit Kit (Lithonia LDN8RV 40/15 LR8 LD MVOLT EZ1 NLTAIR2).....	328.32	
			For >25 To 50, Deduct	-16.42	
			For >50 To 100, Deduct	-26.09	
			For >100, Deduct	-38.70	
26 01 50 81-0199	EA		12" Round, 1,300 Lumens, 4000K CCT, Recessed Can LED Retrofit Kit (Lithonia LRT12 13LM 40K MVOLT 80CRI ZT HN CD PF).....	460.47	
			For >25 To 50, Deduct	-23.02	
			For >50 To 100, Deduct	-36.00	
			For >100, Deduct	-51.93	
26 01 50 81-0200			LED Lighting Retrofits For Existing Fluorescent Fixtures (26 01 50 81-0001) Note: Excludes recycling or disposal of lamps and ballasts.		
26 01 50 81-0201			LED Lightbar Retrofit For Existing Fluorescent Fixtures (Lithonia) (26 01 50 81-0200)		
26 01 50 81-0202	EA		2' Length, 2 Bar, 2,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 2FT 2 2000LMHE 80CRI 35K MIN10 GZT MVOLT).....	113.63	
			For >25 To 50, Deduct	-5.68	
			For >50 To 100, Deduct	-9.85	
			For >100, Deduct	-16.65	
26 01 50 81-0203	EA		2' Length, 4 Bar, 8,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 2FT 4 8000LMHE 80CRI MIN10 GZT MVOLT)	165.68	
			For >25 To 50, Deduct	-8.28	
			For >50 To 100, Deduct	-13.75	
			For >100, Deduct	-21.86	
26 01 50 81-0204	EA		3' Length, 2 Bar, 4,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 3FT 2 4000LMHE 80CRI 35K MIN10 GZT MVOLT).....	123.63	
			For >25 To 50, Deduct	-6.18	
			For >50 To 100, Deduct	-10.67	
			For >100, Deduct	-17.95	
26 01 50 81-0205	EA		3' Length, 1 Bar, 1,600 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 3FT 1 1600LMHE 80CRI 35K MIN10 GZT MVOLT).....	113.47	
			For >25 To 50, Deduct	-5.67	
			For >50 To 100, Deduct	-9.91	
			For >100, Deduct	-16.93	
26 01 50 81-0206	EA		4' Length, 2 Bar, 6,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 2 6000LMHE 80CRI 35K MIN10 GZT MVOLT).....	149.00	
			For >25 To 50, Deduct	-7.45	
			For >50 To 100, Deduct	-12.64	
			For >100, Deduct	-20.78	
26 01 50 81-0207	EA		4' Length, 4 Bar, 6,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 4 6000LMHE 80CRI 35K MIN10 GZT MVOLT).....	194.11	
			For >25 To 50, Deduct	-9.71	
			For >50 To 100, Deduct	-16.03	
			For >100, Deduct	-25.29	
26 01 50 81-0208	EA		4' Length, 1 Bar, 3,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 1 3000LMHE 80CRI 35K MIN10 GZT MVOLT).....	122.68	
			For >25 To 50, Deduct	-6.13	
			For >50 To 100, Deduct	-10.67	
			For >100, Deduct	-18.15	
26 01 50 81-0209	EA		4' Length, 1 Bar, 4,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 1 4000LMHE 80CRI 35K MIN10 GZT MVOLT).....	122.68	
			For >25 To 50, Deduct	-6.13	
			For >50 To 100, Deduct	-10.67	
			For >100, Deduct	-18.15	
26 01 50 81-0210	EA		4' Length, 4 Bar, 8,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 4 8000LMHE 80CRI 35K MIN10 GZT MVOLT).....	158.02	
			For >25 To 50, Deduct	-7.90	
			For >50 To 100, Deduct	-13.32	
			For >100, Deduct	-21.68	

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
26 01 50 81-0211	EA 4' Length, 2 Bar, 4,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 2 4000LMHE 80CRI 35K MIN10 GZT MVOLT).....	133.96			
	For >25 To 50, Deduct	-6.70			
	For >50 To 100, Deduct	-11.52			
	For >100, Deduct	-19.27			
26 01 50 81-0212	EA 4' Length, 2 Bar, 3,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 2 3000LMHE 80CRI 35K MIN10 GZT MVOLT).....	133.96			
	For >25 To 50, Deduct	-6.70			
	For >50 To 100, Deduct	-11.52			
	For >100, Deduct	-19.27			
26 01 50 81-0213 LED Retrofit For Existing Fluorescent Fixtures (Lithonia) (26 01 50 81-0200)					
26 01 50 81-0214	EA 1'x 4', 4,000 Lumens, 3500K CCT, Square Smooth Diffuser, Dimming LED Relight Assembly (Lithonia BLT4R F 40LHE SDSMT MVOLT EZ1 LP835 NLTAIR2).....	271.96			
	For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add	179.91			
	For nLight AIR radio module without sensor (nLight RIO), Add	116.95			
	For >25 To 50, Deduct	-13.60			
	For >50 To 100, Deduct	-21.87			
	For >100, Deduct	-33.07			
26 01 50 81-0215	EA 1'x 4', 4,800 Lumens, 3500K CCT, Curved Smooth Diffuser, Dimming LED Relight Assembly (Lithonia BLT4R 48LHE ADSMT MVOLT EZ1 LP835 NLTAIR2).....	293.30			
	For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add	179.91			
	For nLight AIR radio module without sensor (nLight RIO), Add	116.95			
	For >25 To 50, Deduct	-14.67			
	For >50 To 100, Deduct	-23.47			
	For >100, Deduct	-35.21			
26 01 50 81-0216	EA 2'x 2', 3,300 Lumens, 3500K CCT, Square Smooth Diffuser, Dimming LED Relight Assembly (Lithonia 2BLT2R 33LHE SDSMT MVOLT EZ1 LP835 NLTAIR2).....	309.25			
	For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add	179.91			
	For nLight AIR radio module without sensor (nLight RIO), Add	116.95			
	For >25 To 50, Deduct	-15.46			
	For >50 To 100, Deduct	-24.66			
	For >100, Deduct	-36.80			
26 01 50 81-0217	EA 2'x 2', 4,000 Lumens, 3500K CCT, Square Smooth Diffuser, Dimming LED Relight Assembly (Lithonia 2BLT2R F 40LHE SDSMT MVOLT EZ1 LP835 NLTAIR2).....	334.17			
	For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add	179.91			
	For nLight AIR radio module without sensor (nLight RIO), Add	116.95			
	For >25 To 50, Deduct	-16.71			
	For >50 To 100, Deduct	-26.53			
	For >100, Deduct	-39.30			
26 01 50 81-0218	EA 2'x 4', 4,000 Lumens, 3500K CCT, Curved Smooth Diffuser, Dimming LED Relight Assembly (Lithonia 2BLT4R 40LHE ADSMT MVOLT EZ1 LP835 NLTAIR2 RIO).....	358.20			
	For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add	179.91			
	For nLight AIR radio module without sensor (nLight RIO), Add	116.95			
	For >25 To 50, Deduct	-17.91			
	For >50 To 100, Deduct	-28.63			
	For >100, Deduct	-42.87			
26 01 50 81-0219	EA 2'x 4', 4,800 Lumens, 3500K CCT, Curved Smooth Diffuser, Dimming LED Relight Assembly (Lithonia 2BLT4R 48LHE ADSMT MVOLT EZ1 LP835 NLTAIR2 RIO).....	387.14			
	For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add	179.91			
	For nLight AIR radio module without sensor (nLight RIO), Add	116.95			
	For >25 To 50, Deduct	-19.36			
	For >50 To 100, Deduct	-30.80			
	For >100, Deduct	-45.77			
26 01 50 81-0220 LED Lighting Retrofits For Existing Fluorescent Fixtures (ELED Lights) (26 01 50 81-0200)					
Note: Includes removal of existing fluorescent lamps, installing LED strip lighting and trim. Excludes recycling or disposal of lamps. See CSI section 02 84 16 00-0003 for ballast recycling.					
26 01 50 81-0221	EA 2' Dimmable, 20 Watts, 2,900 Lumens, 4000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X2STRPD20W40).....	105.86			
	Note: Kit contains two 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver				
	For >25 To 50, Deduct	-5.29			
	For >50 To 100, Deduct	-9.26			
	For >100, Deduct	-15.88			
26 01 50 81-0222	EA 2' Dimmable, 20 Watts, 2,900 Lumens, 5000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X2STRPD20W50).....	105.86			
	Note: Kit contains two 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver				
	For >25 To 50, Deduct	-5.29			
	For >50 To 100, Deduct	-9.26			
	For >100, Deduct	-15.88			
26 01 50 81-0223	EA 4' Dimmable, 32 Watts, 5,000 Lumens, 4000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X4STRPD32W40).....	140.09			
	Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver				
	For >25 To 50, Deduct	-7.00			
	For >50 To 100, Deduct	-11.98			
	For >100, Deduct	-19.89			
26 01 50 81-0224	EA 4' Dimmable, 32 Watts, 5,000 Lumens, 5000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X4STRPD32W50).....	140.09			
	Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver				
	For >25 To 50, Deduct	-7.00			
	For >50 To 100, Deduct	-11.98			
	For >100, Deduct	-19.89			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0225	EA		4' Dimmable, 35 Watts, 5,500 Lumens, 3000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN30).....	140.21	
			Note: Kit contains four 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
			For >25 To 50, Deduct	-7.01	
			For >50 To 100, Deduct	-11.99	
			For >100, Deduct	-19.90	
26 01 50 81-0226	EA		4' Dimmable, 35 Watts, 5,500 Lumens, 3000K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN30F).....	153.25	
			Note: Kit contains four 2-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
			For >25 To 50, Deduct	-7.66	
			For >50 To 100, Deduct	-12.96	
			For >100, Deduct	-21.20	
26 01 50 81-0227	EA		4' Dimmable, 35 Watts, 5500 Lumens, 3500K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN35).....	140.21	
			Note: Kit contains four 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
			For >25 To 50, Deduct	-7.01	
			For >50 To 100, Deduct	-11.99	
			For >100, Deduct	-19.90	
26 01 50 81-0228	EA		4' Dimmable, 35 Watts, 5500 Lumens, 3500K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN35F).....	153.25	
			Note: Kit contains four 2-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
			For >25 To 50, Deduct	-7.66	
			For >50 To 100, Deduct	-12.96	
			For >100, Deduct	-21.20	
26 01 50 81-0229	EA		4' Dimmable, 35 Watts, 5,500 Lumens, 4000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN40).....	140.21	
			Note: Kit contains four 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
			For >25 To 50, Deduct	-7.01	
			For >50 To 100, Deduct	-11.99	
			For >100, Deduct	-19.90	
26 01 50 81-0230	EA		4' Dimmable, 35 Watts, 5,500 Lumens, 4000K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN40F).....	153.25	
			Note: Kit contains four 2-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
			For >25 To 50, Deduct	-7.66	
			For >50 To 100, Deduct	-12.96	
			For >100, Deduct	-21.20	
26 01 50 81-0231	EA		4' Dimmable, 35 Watts, 5,500 Lumens, 5000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN50).....	140.21	
			Note: Kit contains four 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
			For >25 To 50, Deduct	-7.01	
			For >50 To 100, Deduct	-11.99	
			For >100, Deduct	-19.90	
26 01 50 81-0232	EA		4' Dimmable, 35 Watts, 5,500 Lumens, 5000K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN50F).....	153.25	
			Note: Kit contains four 2-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
			For >25 To 50, Deduct	-7.66	
			For >50 To 100, Deduct	-12.96	
			For >100, Deduct	-21.20	
26 01 50 81-0233	EA		4' Dimmable, 46 Watts, 6,800 Lumens, 5000K, Ultra High Lumen Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X4STRPD46W50).....	153.14	
			Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
			For >25 To 50, Deduct	-7.66	
			For >50 To 100, Deduct	-12.96	
			For >100, Deduct	-21.19	
26 01 50 81-0234	EA		4' Dimmable, 31 Watts, 5,730 Lumens, 4000K, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD40).....	181.04	
			Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
			For >25 To 50, Deduct	-9.05	
			For >50 To 100, Deduct	-15.05	
			For >100, Deduct	-23.98	
26 01 50 81-0235	EA		4' Dimmable, 31 Watts, 5,730 Lumens, 4000K, Frosted Lens, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD40F).....	197.35	
			Note: Kit contains two 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
			For >25 To 50, Deduct	-9.87	
			For >50 To 100, Deduct	-16.27	
			For >100, Deduct	-25.61	
26 01 50 81-0236	EA		4' Dimmable, 31 Watts, 5,730 Lumens, 5000K, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD50).....	181.04	
			Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
			For >25 To 50, Deduct	-9.05	
			For >50 To 100, Deduct	-15.05	
			For >100, Deduct	-23.98	
26 01 50 81-0237	EA		4' Dimmable, 31 Watts, 5,730 Lumens, 5000K, Frosted Lens, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD50F).....	197.35	
			Note: Kit contains two 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
			For >25 To 50, Deduct	-9.87	
			For >50 To 100, Deduct	-16.27	
			For >100, Deduct	-25.61	
26 01 50 81-0238	EA		20 Watts, Emergency Battery Backup, For Use With 2' And 4' Linear LED Retrofit Kits (ELEDLIGHTS BLD- AM20D-480800).....	199.23	
			Note: 90-minute emergency battery with DIP switch-selectable power output of 10 Watts, 15 Watts, or 20 Watts		
			For >25 To 50, Deduct	-9.96	
			For >50 To 100, Deduct	-15.24	
			For >100, Deduct	-21.10	

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 01 50 81-0239	EA	20 Watts, Emergency Battery Backup, For Use With 2' And 4' Linear LED Retrofit Kits (ELEDLIGHTS EM-HM-20W).....	182.74	
		Note: 90-minute emergency battery with power output of 20 Watts		
		For >25 To 50, Deduct	-9.14	
		For >50 To 100, Deduct	-14.00	
		For >100, Deduct	-19.45	
26 01 50 81-0240	EA	8' Dimmable, 46 Watts, 7,400 Lumens, 5000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4X4STRPD46W50).....	182.19	
		Note: Kit contains four 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	-9.11	
		For >50 To 100, Deduct	-15.57	
		For >100, Deduct	-25.86	
26 01 50 81-0241	EA	8' Dimmable, 49 Watts, 6,680 Lumens, 5000K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4X4STRPD49W50F).....	190.34	
		Note: Kit contains four 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	-9.52	
		For >50 To 100, Deduct	-16.19	
		For >100, Deduct	-26.68	
26 01 50 81-0242	EA	8' Dimmable, 64 Watts, 11,850 Lumens, 4000K, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD40).....	270.41	
		Note: Kit contains four 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	-13.52	
		For >50 To 100, Deduct	-22.19	
		For >100, Deduct	-34.68	
26 01 50 81-0243	EA	8' Dimmable, 64 Watts, 11,850 Lumens, 4000K, Frosted Lens, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD40F).....	303.02	
		Note: Kit contains four 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	-15.15	
		For >50 To 100, Deduct	-24.64	
		For >100, Deduct	-37.94	
26 01 50 81-0244	EA	8' Dimmable, 64 Watts, 11,850 Lumens, 5000K, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD50).....	270.41	
		Note: Kit contains four 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	-13.52	
		For >50 To 100, Deduct	-22.19	
		For >100, Deduct	-34.68	
26 01 50 81-0245	EA	8' Dimmable, 64 Watts, 11,850 Lumens, 5000K, Frosted Lens, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD50F).....	303.02	
		Note: Kit contains four 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	-15.15	
		For >50 To 100, Deduct	-24.64	
		For >100, Deduct	-37.94	

26 05 Common Work Results for Electrical ⁽²⁶⁾**26 05 13 Medium-Voltage Cables** ^(26 05)**26 05 13 16 Medium-Voltage, Single-and Multi-Conductor Cables** ^(26 05 13)**26 05 13 16-0001 Wire And Cable** ^(26 05 13 16)

Note: Pulled in conduit except as noted. Includes pull wires, pulling branch circuit conductors, testing, and splicing (#8 and lighter). All conductors are copper except as otherwise noted. No special set-up is required. Excludes terminations.

26 05 13 16-0002 5 KV Cable ^(26 05 13 16-0001)**26 05 13 16-0003 Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed In Duct** ^(26 05 13 16-0002)

26 05 13 16-0004	MLF	#6 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	3,603.63	915.12
26 05 13 16-0005	MLF	#4 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	4,277.00	999.23
26 05 13 16-0006	MLF	#2 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	5,113.19	1,128.96
26 05 13 16-0007	MLF	1/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	6,645.32	1,390.94
26 05 13 16-0008	MLF	2/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	7,571.27	1,566.31
26 05 13 16-0009	MLF	3/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	9,317.98	1,738.57
26 05 13 16-0010	MLF	4/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	10,488.81	1,953.46
26 05 13 16-0011	MLF	250 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	12,471.18	2,173.30
26 05 13 16-0012	MLF	350 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	14,529.43	2,594.87
26 05 13 16-0013	MLF	500 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	18,348.25	3,050.21
26 05 13 16-0014	MLF	750 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	27,469.14	3,595.01
26 05 13 16-0015	MLF	1,000 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	36,595.77	4,139.55

26 05 13 16-0016 Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Direct Burial ^(26 05 13 16-0002)

Note: Excludes excavation.

26 05 13 16-0017	MLF	#6 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	3,489.24	
26 05 13 16-0018	MLF	#4 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	3,952.28	
26 05 13 16-0019	MLF	#2 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	4,464.05	
26 05 13 16-0020	MLF	1/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	5,556.29	
26 05 13 16-0021	MLF	2/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	6,043.69	
26 05 13 16-0022	MLF	3/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	7,574.17	
26 05 13 16-0023	MLF	4/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	8,207.79	
26 05 13 16-0024	MLF	250 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	9,860.46	
26 05 13 16-0025	MLF	350 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	10,978.92	
26 05 13 16-0026	MLF	500 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	13,762.29	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 13 16-0027	Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed On Poles (Aerial) (26 05 13 16-0002)	
26 05 13 16-0028	MLF #6 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	574.98
26 05 13 16-0029	MLF #4 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	616.51
26 05 13 16-0030	MLF #2 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	779.63
26 05 13 16-0031	MLF 1/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	946.45
26 05 13 16-0032	MLF 2/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	1,111.05
26 05 13 16-0033	MLF 3/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	1,270.59
26 05 13 16-0034	MLF 4/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	1,474.24
26 05 13 16-0035	MLF 250 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	1,854.70
26 05 13 16-0036	MLF 350 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	2,346.76
26 05 13 16-0037	MLF 500 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	2,948.49
26 05 13 16-0038	5 KV Non-Shielded Single Copper Conductor (26 05 13 16-0002)	
26 05 13 16-0039	MLF 1/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	1,823.71
26 05 13 16-0040	MLF 2/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	1,849.93
26 05 13 16-0041	MLF 3/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	1,876.13
26 05 13 16-0042	MLF 4/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	1,917.60
26 05 13 16-0043	MLF 350 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	1,990.76
26 05 13 16-0044	MLF 500 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	2,086.34
26 05 13 16-0045	MLF 750 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	2,607.92
26 05 13 16-0046	MLF 1,000 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	3,477.26
26 05 13 16-0047	Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed In Duct (26 05 13 16-0002)	
26 05 13 16-0048	MLF #6 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	915.12
26 05 13 16-0049	MLF #4 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	999.23
26 05 13 16-0050	MLF #2 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	1,128.96
26 05 13 16-0051	MLF #1 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	1,259.88
26 05 13 16-0052	MLF 1/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	1,390.94
26 05 13 16-0053	MLF 2/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	1,566.31
26 05 13 16-0054	MLF 3/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	1,738.57
26 05 13 16-0055	MLF 4/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	1,953.46
26 05 13 16-0056	MLF 250 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	2,173.30
26 05 13 16-0057	MLF 350 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	2,594.87
26 05 13 16-0058	MLF 500 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	3,050.21
26 05 13 16-0059	MLF 750 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	3,595.01
26 05 13 16-0060	MLF 1,000 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	4,139.55
26 05 13 16-0061	Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Direct Burial (26 05 13 16-0002)	
	Note: Excludes excavation.	
26 05 13 16-0062	MLF #6 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	3,726.12
26 05 13 16-0063	MLF #4 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	4,272.50
26 05 13 16-0064	MLF #2 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	4,876.39
26 05 13 16-0065	MLF #1 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	5,501.96
26 05 13 16-0066	MLF 1/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	6,126.54
26 05 13 16-0067	MLF 2/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	6,701.68
26 05 13 16-0068	MLF 3/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	8,469.04
26 05 13 16-0069	MLF 4/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	9,216.71
26 05 13 16-0070	MLF 250 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	11,127.31
26 05 13 16-0071	MLF 350 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	12,426.50
26 05 13 16-0072	MLF 500 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	15,692.38
26 05 13 16-0073	Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed On Poles (Aerial) (26 05 13 16-0002)	
26 05 13 16-0074	MLF #6 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	574.98
26 05 13 16-0075	MLF #4 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	616.51
26 05 13 16-0076	MLF #2 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	779.63
26 05 13 16-0077	MLF #1 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	862.42
26 05 13 16-0078	MLF 1/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	946.45
26 05 13 16-0079	MLF 2/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	1,111.05
26 05 13 16-0080	MLF 3/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	1,270.59
26 05 13 16-0081	MLF 4/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	1,474.24
26 05 13 16-0082	MLF 250 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	1,854.70
26 05 13 16-0083	MLF 350 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	2,346.76
26 05 13 16-0084	MLF 500 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	2,948.49
26 05 13 16-0085	15 KV Cable (26 05 13 16-0001)	
26 05 13 16-0086	Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable (26 05 13 16-0085)	
26 05 13 16-0087	Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct (26 05 13 16-0086)	
26 05 13 16-0088	MLF #4 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	1,823.71

26 Electrical**26 05 Common Work Results for Electrical****26 05 13 Medium-Voltage Cables**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 13 16-0089	MLF	#2 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	8,308.16	1,823.71
26 05 13 16-0090	MLF	#1 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	8,549.88	1,823.71
26 05 13 16-0091	MLF	1/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	9,337.32	1,823.71
26 05 13 16-0092	MLF	2/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	10,084.72	1,823.71
26 05 13 16-0093	MLF	3/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	11,538.97	1,903.65
26 05 13 16-0094	MLF	4/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	11,832.59	1,903.65
26 05 13 16-0095	MLF	250 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	13,652.14	1,990.76
26 05 13 16-0096	MLF	350 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	15,490.48	2,037.44
26 05 13 16-0097	MLF	500 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	19,110.56	2,294.97

26 05 13 16-0098 Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial (26 05 13 16-0086)

Note: Excludes excavation.

26 05 13 16-0099	MLF	#1 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	6,588.11	
26 05 13 16-0100	MLF	1/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	7,375.55	
26 05 13 16-0101	MLF	2/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	8,122.95	
26 05 13 16-0102	MLF	3/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	9,602.42	
26 05 13 16-0103	MLF	4/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	9,896.03	
26 05 13 16-0104	MLF	250 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	11,823.44	
26 05 13 16-0105	MLF	350 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	13,664.94	
26 05 13 16-0106	MLF	500 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	17,024.25	

26 05 13 16-0107 Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) (26 05 13 16-0086)

26 05 13 16-0108	MLF	#1 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	6,142.74	821.40
26 05 13 16-0109	MLF	1/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	7,257.87	946.45
26 05 13 16-0110	MLF	2/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	8,436.55	1,111.05
26 05 13 16-0111	MLF	3/0 AWG, XLP, 15 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation Cable.....	10,109.29	1,270.59
26 05 13 16-0112	MLF	4/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	10,936.44	1,474.24
26 05 13 16-0113	MLF	250 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	13,172.23	1,716.22
26 05 13 16-0114	MLF	350 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	15,636.90	1,999.82
26 05 13 16-0115	MLF	500 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	19,460.04	2,322.99

26 05 13 16-0116 Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable (26 05 13 16-0085)

26 05 13 16-0117 Ethylene-Propylene Rubber (EPR), 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct (26 05 13 16-0116)

26 05 13 16-0118	MLF	#4 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	8,235.17	1,823.71
26 05 13 16-0119	MLF	#2 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	8,982.95	1,823.71
26 05 13 16-0120	MLF	#1 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	9,268.18	1,823.71
26 05 13 16-0121	MLF	1/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	10,197.37	1,823.71
26 05 13 16-0122	MLF	2/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	11,079.30	1,823.71
26 05 13 16-0123	MLF	3/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	12,759.37	1,903.65
26 05 13 16-0124	MLF	4/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	13,105.84	1,903.65
26 05 13 16-0125	MLF	250 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	15,213.67	1,990.76
26 05 13 16-0126	MLF	350 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	17,361.92	2,037.44
26 05 13 16-0127	MLF	500 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	21,517.72	2,294.97

26 05 13 16-0128 Ethylene-Propylene Rubber (EPR), 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial (26 05 13 16-0116)

Note: Excludes excavation.

26 05 13 16-0129	MLF	#1 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	7,306.42	
26 05 13 16-0130	MLF	1/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	8,235.60	
26 05 13 16-0131	MLF	2/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	9,117.53	
26 05 13 16-0132	MLF	3/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	10,822.82	
26 05 13 16-0133	MLF	4/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	11,169.28	
26 05 13 16-0134	MLF	250 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	13,380.43	
26 05 13 16-0135	MLF	350 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	15,528.22	
26 05 13 16-0136	MLF	500 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	19,431.41	

26 05 13 16-0137 Ethylene-Propylene Rubber (EPR), 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) (26 05 13 16-0116)

26 05 13 16-0138	MLF	#1 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	6,861.05	821.40
26 05 13 16-0139	MLF	1/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	8,117.92	946.45
26 05 13 16-0140	MLF	2/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	9,431.13	1,111.05
26 05 13 16-0141	MLF	3/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	11,329.69	1,270.59
26 05 13 16-0142	MLF	4/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	12,209.69	1,474.24
26 05 13 16-0143	MLF	250 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	14,733.77	1,716.22
26 05 13 16-0144	MLF	350 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	17,508.34	1,999.82
26 05 13 16-0145	MLF	500 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	21,867.20	2,322.99

26 05 13 16-0146 15 KV Non-Shielded Single Copper Conductor (26 05 13 16-0085)

26 05 13 16-0147	MLF	1/0 AWG, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	11,059.98	1,830.11
26 05 13 16-0148	MLF	2/0 AWG, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	9,548.14	1,873.85
26 05 13 16-0149	MLF	3/0 AWG, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	14,400.91	1,917.60
26 05 13 16-0150	MLF	350 MCM, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	19,829.00	2,045.38

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0151			Shielded, Armored Copper, 15 KV, 3 Conductor Cable (26 05 13 16-0085) Note: Laid in cable tray or hung in vertical cable shaft.		
26 05 13 16-0152			Galvanized Steel Interlocked Armor Cable (26 05 13 16-0151)		
26 05 13 16-0153	LF		3 Conductors, #2 AWG, TC, 15 KV, Galvanized Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically.....	52.22	13.95
26 05 13 16-0154	LF		3 Conductors, 1/0 AWG, TC, 15 KV, Galvanized Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically.....	62.52	14.87
26 05 13 16-0155			Aluminum Interlocked Armor Cable (26 05 13 16-0151)		
26 05 13 16-0156	LF		3 Conductors, #2 AWG, TC, 15 KV, Aluminum Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically.....	52.22	13.95
26 05 13 16-0157	LF		3 Conductor, 1/0 AWG, TC, 15 KV, Aluminum Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically	62.52	14.87
26 05 13 16-0158			Type URD, 15 KV Primary Concentric UD Cable (26 05 13 16-0085) Note: 0.175" XLPE insulation, copper conductor.		
26 05 13 16-0159	MLF		#4 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	3,798.57	915.12
26 05 13 16-0160	MLF		#2 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	4,540.54	999.23
26 05 13 16-0161	MLF		#1 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	5,452.54	1,128.96
26 05 13 16-0162	MLF		1/0 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	7,105.37	1,387.15
26 05 13 16-0163	MLF		2/0 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	8,101.06	1,561.62
26 05 13 16-0164	MLF		3/0 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	10,054.43	1,738.57
26 05 13 16-0165	MLF		4/0 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	11,300.91	1,946.16
26 05 13 16-0166			15 KV, URD Copper Cable, Direct Burial (26 05 13 16-0085)		
26 05 13 16-0167	MLF		3 Conductors, #6 AWG, 15 KV, URD Copper Cable, Direct Burial	18,733.80	
26 05 13 16-0168			Wire Connections (26 05 13 16-0001)		
26 05 13 16-0169			Medium Voltage Up To 5 KV (26 05 13 16-0168)		
26 05 13 16-0170			Shielded One Conductor Cable Splice (26 05 13 16-0169)		
26 05 13 16-0171	EA		#6 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	439.31	117.37
26 05 13 16-0172	EA		#2 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	644.47	117.37
26 05 13 16-0173	EA		1/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	644.47	117.37
26 05 13 16-0174	EA		2/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	679.40	140.85
26 05 13 16-0175	EA		3/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	679.40	140.85
26 05 13 16-0176	EA		4/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	679.40	140.85
26 05 13 16-0177	EA		250 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	725.97	164.33
26 05 13 16-0178	EA		350 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	725.97	164.33
26 05 13 16-0179	EA		500 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	725.97	164.33
26 05 13 16-0180			Cable Termination Without Stress Cone (26 05 13 16-0169)		
26 05 13 16-0181	EA		#6 To 4/0 AWG Cable Termination Without Stress Cone, Medium Voltage To 5 KV	714.92	140.85
26 05 13 16-0182	EA		250 To 500 MCM Cable Termination Without Stress Cone, Medium Voltage To 5 KV	822.65	164.33
26 05 13 16-0183			Cable Termination With Stress Cone (26 05 13 16-0169)		
26 05 13 16-0184	EA		#6 To 4/0 AWG Cable Termination With Stress Cone, Medium Voltage To 5 KV	2,322.02	281.69
26 05 13 16-0185	EA		250 To 500 MCM Cable Termination With Stress Cone, Medium Voltage To 5 KV	3,182.11	387.32
26 05 13 16-0186			Connect To Pothead, Pothead Included (26 05 13 16-0169)		
26 05 13 16-0187	EA		#6 To 4/0 AWG Connection To Pothead (Included) Medium Voltage To 5 KV	2,445.94	281.69
26 05 13 16-0188	EA		250 To 500 MCM Connection To Pothead (Included) Medium Voltage To 5 KV	3,175.65	322.78
26 05 13 16-0189			Two Conductor Pothead (26 05 13 16-0169) Note: Includes 5 KV pothead.		
26 05 13 16-0190	EA		#6 To 4/0 AWG, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	1,528.95	387.32
26 05 13 16-0191	EA		250 To 350 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	2,097.78	492.97
26 05 13 16-0192	EA		400 To 700 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	3,466.02	558.93
26 05 13 16-0193	EA		750 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	6,000.52	652.12
26 05 13 16-0194	EA		1,000 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	11,348.98	978.06
26 05 13 16-0195			Three Conductor Pothead (26 05 13 16-0169) Note: Includes 5 KV pothead.		
26 05 13 16-0196	EA		#6 To 4/0 AWG, Three Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	7,657.68	563.39
26 05 13 16-0197	EA		250 To 500 MCM, Three Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	8,328.40	657.28
26 05 13 16-0198			Copper Cable Splice, Crimp Compression Connection (26 05 13 16-0169) Note: For bare wire.		
26 05 13 16-0199	EA		#6 AWG Crimp Compression Connection For Bare Copper Wire.....	80.15	
26 05 13 16-0200	EA		#4 AWG Crimp Compression Connection For Bare Copper Wire.....	89.36	
26 05 13 16-0201	EA		#3 AWG Crimp Compression Connection For Bare Copper Wire.....	104.13	
26 05 13 16-0202	EA		#2 AWG Crimp Compression Connection For Bare Copper Wire.....	117.18	
26 05 13 16-0203	EA		#1 AWG Crimp Compression Connection For Bare Copper Wire.....	132.66	
26 05 13 16-0204	EA		1/0 AWG Crimp Compression Connection For Bare Copper Wire.....	147.19	
26 05 13 16-0205	EA		2/0 AWG Crimp Compression Connection For Bare Copper Wire.....	161.30	

26 Electrical**26 05 Common Work Results for Electrical****26 05 13 Medium-Voltage Cables**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 13 16-0206	EA	3/0 AWG Crimp Compression Connection For Bare Copper Wire.....	177.06	
26 05 13 16-0207	EA	4/0 AWG Crimp Compression Connection For Bare Copper Wire.....	191.85	
26 05 13 16-0208	EA	250 MCM Crimp Compression Connection For Bare Copper Wire.....	207.37	
26 05 13 16-0209	EA	300 MCM Crimp Compression Connection For Bare Copper Wire.....	223.84	
26 05 13 16-0210	EA	350 MCM Crimp Compression Connection For Bare Copper Wire.....	238.03	
26 05 13 16-0211	EA	400 MCM Crimp Compression Connection For Bare Copper Wire.....	270.40	
26 05 13 16-0212	EA	500 MCM Crimp Compression Connection For Bare Copper Wire.....	305.03	

26 05 13 16-0213 Aluminum Cable Splice, Crimp Compression Connection (26 05 13 16-0169)
 Note: For bare wire.

26 05 13 16-0214	EA	#6 AWG Crimp Compression Connection For Bare Aluminum Wire	84.58	
26 05 13 16-0215	EA	#4 AWG Crimp Compression Connection For Bare Aluminum Wire	91.80	
26 05 13 16-0216	EA	#2 AWG Crimp Compression Connection For Bare Aluminum Wire	125.24	
26 05 13 16-0217	EA	#1 AWG Crimp Compression Connection For Bare Aluminum Wire	153.17	
26 05 13 16-0218	EA	1/0 AWG Crimp Compression Connection For Bare Aluminum Wire	166.54	
26 05 13 16-0219	EA	2/0 AWG Crimp Compression Connection For Bare Aluminum Wire	179.78	
26 05 13 16-0220	EA	3/0 AWG Crimp Compression Connection For Bare Aluminum Wire	198.52	
26 05 13 16-0221	EA	4/0 AWG Crimp Compression Connection For Bare Aluminum Wire	214.55	
26 05 13 16-0222	EA	250 MCM Crimp Compression Connection For Bare Aluminum Wire.....	229.53	
26 05 13 16-0223	EA	300 MCM Crimp Compression Connection For Bare Aluminum Wire.....	245.50	
26 05 13 16-0224	EA	350 MCM Crimp Compression Connection For Bare Aluminum Wire.....	260.77	
26 05 13 16-0225	EA	400 MCM Crimp Compression Connection For Bare Aluminum Wire.....	302.98	
26 05 13 16-0226	EA	500 MCM Crimp Compression Connection For Bare Aluminum Wire.....	345.67	

26 05 13 16-0227 15 KV (26 05 13 16-0168)

26 05 13 16-0228 Single Conductor Pothead On Racks (26 05 13 16-0227)
 Note: Includes pothead.

26 05 13 16-0229	EA	#2 To 4/0 AWG, Single Conductor, 15 KV Pothead (Included), On Racks	1,838.92	492.97
26 05 13 16-0230	EA	250 To 500 MCM, Single Conductor, 15 KV Pothead (Included), On Racks	2,363.65	610.33

26 05 13 16-0231 Two Conductor Pothead On Rack (26 05 13 16-0227)
 Note: Includes pothead.

26 05 13 16-0232	EA	#2 To 4/0 AWG, Two Conductors, 15 KV Pothead (Included), On Racks.....	2,665.76	751.18
26 05 13 16-0233	EA	250 To 500 MCM, Two Conductors, 15 KV Pothead (Included), On Racks.....	3,227.04	892.03

26 05 13 16-0234 Three Conductor Pothead On Rack (26 05 13 16-0227)
 Note: Includes pothead.

26 05 13 16-0235	EA	#2 To 4/0 AWG, Three Conductors, 15 KV Pothead (Included), On Racks	3,379.78	974.19
26 05 13 16-0236	EA	250 To 500 MCM, Three Conductors, 15 KV Pothead (Included), On Racks	4,204.76	1,220.67

26 05 13 16-0237 Stress Relief Cone On Rack (26 05 13 16-0227)

26 05 13 16-0238	EA	#2 To 4/0 AWG Stress Relief Cone, On Rack	1,689.21	492.97
26 05 13 16-0239	EA	250 To 500 MCM Stress Relief Cone, On Rack	2,195.33	610.33

26 05 13 16-0240 Grounded, Shielded Cable Splice (26 05 13 16-0227)

26 05 13 16-0241	EA	#2 To 4/0 AWG Cable Splice, Grounded, Shielded, 15 KV.....	1,127.65	363.85
26 05 13 16-0242	EA	250 To 500 MCM Cable Splice, Grounded, Shielded, 15 KV.....	1,440.29	469.49
26 05 13 16-0243	EA	3/0 To 500 MCM 15 KV Splice Kit, Cable Splice, Grounded, Shielded, Universal Mechanical Type CE - CE 2-Way	8,238.49	1,291.10
26 05 13 16-0244	EA	3/0 To 500 MCM 15 KV Splice Kit, Cable Splice, Grounded, Shielded, Universal Mechanical Type CE - CE 2-Way	10,918.89	1,408.47

26 05 13 16-0245 Cable Termination (26 05 13 16-0227)

26 05 13 16-0246	EA	#2 To 3/0 AWG Cable Termination 15 KV	797.23	205.40
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	123.24	
26 05 13 16-0247	EA	4/0 To 250 MCM Cable Termination 15 KV	1,000.97	264.08
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	158.45	
26 05 13 16-0248	EA	350 To 500 MCM Cable Termination 15 KV	1,247.24	322.78
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	193.66	
26 05 13 16-0249	EA	#2 To 3/0 AWG Cable Elbow Termination 15 KV	526.24	117.37
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	70.43	

26 05 13 16-0250 Stress Cones, 5-15 KV, 4 Skirted (26 05 13 16-0227)

26 05 13 16-0251	EA	#4 To 1/0 AWG Stress Cones, 5-15 KV, 4 Skirted.....	1,167.18	152.59
26 05 13 16-0252	EA	2/0 To 3/0 AWG Stress Cones, 5-15 KV, 4 Skirted.....	1,336.85	168.64
26 05 13 16-0253	EA	4/0 To 350 MCM Stress Cones, 5-15 KV, 4 Skirted.....	1,609.13	184.55
26 05 13 16-0254	EA	400 To 500 MCM Stress Cones, 5-15 KV, 4 Skirted.....	2,103.40	212.64

26 05 13 16-0255 Stress Cones, 5-15 KV, 6 Skirted (26 05 13 16-0227)

26 05 13 16-0256	EA	#4 To 1/0 AWG Stress Cones, 5-15 KV, 6 Skirted.....	2,334.40	305.69
26 05 13 16-0257	EA	2/0 To 3/0 AWG Stress Cones, 5-15 KV, 6 Skirted.....	2,674.07	337.28
26 05 13 16-0258	EA	4/0 To 350 MCM Stress Cones, 5-15 KV, 6 Skirted.....	3,204.56	362.26
26 05 13 16-0259	EA	400 To 500 MCM Stress Cones, 5-15 KV, 6 Skirted.....	4,206.80	425.26

26 05 13 16-0260 35 KV (26 05 13 16-0168)

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 13 16-0261	35 KV One Conductor Splice (26 05 13 16-0260)		
26 05 13 16-0262	EA #1 Stranded To 4/0 Stranded, 35 KV, Cable Splicing	2,830.05	
26 05 13 16-0263	Cable Termination (26 05 13 16-0260)		
26 05 13 16-0264	EA #2 To 3/0 AWG Cable Termination, 35 KV	748.21	140.96
26 05 13 16-0265	EA 3/0 AWG To 250 MCM, 35 KV, Cable Termination.....	995.82	212.68
26 05 13 16-0266	EA 350 To 500 MCM Cable Termination 35 KV	1,181.07	227.47
26 05 13 16-0267	EA #2 To 3/0 AWG Cable Elbow Termination 35 KV	586.52	117.37
26 05 13 16-0268	70 KV (26 05 13 16-0168)		
26 05 13 16-0269	Cable Splice (26 05 13 16-0268)		
26 05 13 16-0270	EA 350 MCM, 70 KV, Cable Splicing.....	19,746.83	
26 05 13 16-0271	EA #2 To 4/0, 70 KV, Cable Splicing	2,981.50	

26 05 19 Low-Voltage Electrical Power Conductors and Cables (26 05)

26 05 19 13 Undercarpet Electrical Power Cables (26 05 19)

26 05 19 13-0001	Under Carpet Power System (26 05 19 13)		
	Note: Includes laying out, floor prep, taping, drill floor, folds, identifying, tagging and testing		
26 05 19 13-0002	LF 3-Conductor, #12 Flat Cable With Attached Bottom Shield	6.51	0.53
26 05 19 13-0003	LF Steel, Top Shield	15.33	0.53
26 05 19 13-0004	EA 3-Conductor, Splice	35.80	9.11
26 05 19 13-0005	EA Splice Top Shield For 3 Conductor	10.03	4.29
26 05 19 13-0006	EA 3-Conductor, Tap.....	44.77	10.72
26 05 19 13-0007	EA Insulating Patch, Splice Tap And End.....	71.25	9.11
26 05 19 13-0008	EA 3-Conductor, Transition Block Assembly	46.59	5.36
26 05 19 13-0009	EA Single, Direct Connected, Receptacle With Box.....	140.34	17.15
26 05 19 13-0010	EA Dual, Direct Connected, Receptacle With Box.....	234.23	26.81
26 05 19 13-0011	EA Floor Mounted Box With Cover.....	234.42	21.45
26 05 19 13-0012	LF 5-Conductor, #12 Cable With Attached Bottom Shield	10.43	0.53
26 05 19 13-0013	LF Steel, Top Shield For 5-Conductor Cable	10.35	0.53
26 05 19 13-0014	EA 5-Conductor, Splice	36.30	9.11
26 05 19 13-0015	EA 5-Conductor, Transition Block Assembly	61.97	5.36
26 05 19 13-0016	EA Box, Wall, Flush With Cover	102.98	21.45
26 05 19 13-0017	EA Telephone, Transition Fitting Wall Box	67.19	17.70
26 05 19 13-0018	EA RJ-45, Telephone Fitting With Duplex Jack And Cover.....	88.99	20.37
26 05 19 13-0019	EA Miniature Telephone With Duplex RJ-45	38.43	8.04
26 05 19 13-0020	LF 4-Pair, Level 5, Under Carpet Telephone Wire	2.21	0.53
26 05 19 13-0021	EA BNC, Coax Plug, Connector	29.84	10.72
26 05 19 13-0022	EA TNC, Coax Plug, Connector	29.84	10.72
26 05 19 13-0023	CLF Under Carpet Power System; Flat RG A/U 59, 75 Ohm, RG A/U 62, 93 Ohm, RG A/U 58, 50 Ohm	157.44	53.61

26 05 19 16 Low-Voltage, Single-and Multi-Conductor Cables (26 05 19)

26 05 19 16-0001	Cable Installation Methods (26 05 19 16)		
26 05 19 16-0002	Pull Cord (26 05 19 16-0001)		
	Note: Left in conduit for others to pull cable. Not to be used when contractor has priced new wire in a conduit. Priced when owner wants a pull cord left in a conduit for owner to pull wire at a later time.		
26 05 19 16-0003	LF Pull String Installed To Remain In Place, In Existing Conduit.....	0.37	
26 05 19 16-0004	LF Pull String Installed To Remain In Place, In New Conduits	0.20	
26 05 19 16-0005	LF 1/4" Nylon Pull Cord Installed To Remain In Place, In Existing Conduit.....	0.66	
26 05 19 16-0006	LF 1/4" Nylon Pull Cord Installed To Remain In Place, In New Conduits.....	0.42	
26 05 19 16-0007	Bore Conduit Into Dirt Or Sand (26 05 19 16-0001)		
	Note: For installation under roads, driveways or other structures up to 20'.		
26 05 19 16-0008	LF Bore 1" To 4" Conduit Into Dirt Or Sand	3.43	
26 05 19 16-0009	LF Bore 5" To 8" Conduit Into Dirt Or Sand	4.37	
26 05 19 16-0010	EA Boring Minimum Set-Up Charge	480.39	
	Note: For projects where the total boring charge is less than the minimum set-up charge. Use this item exclusively. This item should not be used in conjunction with any other items in this section.		
26 05 19 16-0011	Wire and Cable (26 05 19 16)		
	Note: Pulled in conduit except as noted. Includes pull wires, pulling branch circuit conductors, splicing (#8 and lighter), identifying, tagging and testing. All conductors are copper except as otherwise noted. No special set-up is required. For tasks installed in conduit, tasks exclude conduit. Excludes terminations. See CSI section 26 05 33 13-0058 for various conduit types.		
26 05 19 16-0012	600 Volt Wire (26 05 19 16-0011)		
26 05 19 16-0013	Single Solid Conductor, Copper (26 05 19 16-0012)		
26 05 19 16-0014	MLF #14 AWG, Type THHN-THWN, 600 Volt, Copper, Single Solid Cable, Installed In Conduit.....	664.26	260.25
26 05 19 16-0015	MLF #12 AWG, Type THHN-THWN, 600 Volt, Copper, Single Solid Cable, Installed In Conduit.....	835.77	306.14
26 05 19 16-0016	MLF #10 AWG, Type THHN-THWN, 600 Volt, Copper, Single Solid Cable, Installed In Conduit.....	1,041.12	374.34
26 05 19 16-0017	MLF #14 AWG, Type XHHW, 600 Volt, Copper, Single Solid Cable, Installed In Conduit.....	831.63	260.25
26 05 19 16-0018	MLF #12 AWG, Type XHHW, 600 Volt, Copper, Single Solid Cable, Installed In Conduit.....	1,005.37	306.14
26 05 19 16-0019	MLF #10 AWG, Type XHHW, 600 Volt, Copper, Single Solid Cable, Installed In Conduit.....	1,206.47	374.34

26 Electrical**26 05 Common Work Results for Electrical****26 05 19 Low-Voltage Electrical Power Conductors and Cables**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 19 16-0020	Power Cable, Stranded Conductor, Copper (26 05 19 16-0012)				
26 05 19 16-0021	Power Cable, Stranded, Single Conductor, XHHW-2 (26 05 19 16-0020)				
26 05 19 16-0022	MLF	#16 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	688.95		214.46
26 05 19 16-0023	MLF	#14 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	812.33		257.35
26 05 19 16-0024	MLF	#12 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	1,003.90		300.25
26 05 19 16-0025	MLF	#10 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	1,241.51		343.14
26 05 19 16-0026	MLF	#8 AWG, XLP (XHHW-2), 600 Volt, Copper, Single Stranded, Power Cable, Installed In Conduit.....	1,661.57		428.92
26 05 19 16-0027	MLF	#6 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	2,261.04		514.71
26 05 19 16-0028	MLF	#4 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	3,110.87		643.39
26 05 19 16-0029	MLF	#3 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	3,688.77		729.17
26 05 19 16-0030	MLF	#2 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	4,380.00		814.96
26 05 19 16-0031	MLF	#1 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	5,457.46		900.74
26 05 19 16-0032	MLF	1/0 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	6,560.69		1,029.41
26 05 19 16-0033	MLF	2/0 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	7,878.11		1,158.09
26 05 19 16-0034	MLF	3/0 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	9,454.94		1,286.76
26 05 19 16-0035	MLF	4/0 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	11,362.27		1,415.44
26 05 19 16-0036	MLF	250 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	12,030.16		1,544.12
26 05 19 16-0037	MLF	300 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	14,304.73		1,672.80
26 05 19 16-0038	MLF	350 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	15,255.59		1,801.47
26 05 19 16-0039	MLF	400 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	17,085.89		1,930.15
26 05 19 16-0040	MLF	500 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	19,829.18		2,058.83
26 05 19 16-0041	MLF	600 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	22,871.84		2,230.40
26 05 19 16-0042	MLF	750 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	34,995.51		2,487.75
26 05 19 16-0043	MLF	1,000 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	49,511.32		2,916.67
26 05 19 16-0044	Power Cable, Stranded, Multi Conductor, XHHW-2 (26 05 19 16-0020)				
26 05 19 16-0045	MLF	2 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	1,624.63		514.60
26 05 19 16-0046	MLF	3 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	2,008.04		600.60
26 05 19 16-0047	MLF	4 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	2,498.79		729.17
26 05 19 16-0048	MLF	6 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	2,996.54		793.18
26 05 19 16-0049	MLF	7 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	3,273.33		836.29
26 05 19 16-0050	MLF	9 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	3,825.29		921.97
26 05 19 16-0051	MLF	10 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	2,571.32		961.00
26 05 19 16-0052	MLF	12 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	4,654.45		1,050.86
26 05 19 16-0053	MLF	14 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	5,153.59		1,115.42
26 05 19 16-0054	MLF	24 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	7,593.40		1,415.55
26 05 19 16-0055	MLF	37 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	11,505.08		2,101.72
26 05 19 16-0056	MLF	2 Conductors, #12 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	2,008.06		600.60
26 05 19 16-0057	MLF	3 Conductors, #12 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	2,582.89		729.17
26 05 19 16-0058	MLF	4 Conductors, #12 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	3,157.74		857.85
26 05 19 16-0059	MLF	2 Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	2,696.64		771.73
26 05 19 16-0060	MLF	3 Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	3,508.03		942.77
26 05 19 16-0061	MLF	4 Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	4,537.62		1,201.20
26 05 19 16-0062	MLF	6 Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	6,163.59		1,544.66
26 05 19 16-0063	MLF	9 Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	8,385.76		1,973.15
26 05 19 16-0064	MLF	2 Conductors, #8 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	3,376.77		879.30
26 05 19 16-0065	MLF	3 Conductors, #8 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	4,341.35		1,029.41
26 05 19 16-0066	MLF	4 Conductors, #8 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	5,627.62		1,308.21
26 05 19 16-0067	MLF	2 Conductors, #6 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	4,414.97		986.52
26 05 19 16-0068	MLF	3 Conductors, #6 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	5,978.91		1,222.43
26 05 19 16-0069	MLF	4 Conductors, #6 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	7,666.28		1,507.66
26 05 19 16-0070	MLF	2 Conductors, #4 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	5,997.02		1,196.91
26 05 19 16-0071	MLF	3 Conductors, #4 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	7,929.81		1,369.01
26 05 19 16-0072	MLF	4 Conductors, #4 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	10,280.55		1,708.40
26 05 19 16-0073	MLF	2 Conductors, #2 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	8,329.99		1,457.90
26 05 19 16-0074	MLF	3 Conductors, #2 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	11,103.67		1,630.34
26 05 19 16-0075	MLF	4 Conductors, #2 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	14,732.02		2,144.61
26 05 19 16-0076	MLF	3 Conductors, #1 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	14,763.02		2,058.51
26 05 19 16-0077	MLF	4 Conductors, #1 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	19,253.52		2,572.47
26 05 19 16-0078	MLF	3 Conductors, 1/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	17,538.44		2,230.83
26 05 19 16-0079	MLF	3 Conductors, 2/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	21,379.74		2,572.47
26 05 19 16-0080	MLF	3 Conductors, 3/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	26,216.97		3,001.17
26 05 19 16-0081	MLF	4 Conductors, 3/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	34,598.68		3,858.69
26 05 19 16-0082	MLF	3 Conductors, 4/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	32,056.82		3,434.28
26 05 19 16-0083	MLF	3 Conductors, 250 MCM, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	34,156.17		3,858.69
26 05 19 16-0084	MLF	3 Conductors, 350 MCM, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	42,978.73		4,289.23
26 05 19 16-0085	MLF	3 Conductors, 500 MCM, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	55,831.53		4,714.07
26 05 19 16-0086	Underground Feeder And Branch Circuit Suitable, Single Stranded Copper				
	(26 05 19 16-0012)				
	Note: Direct bury.				
26 05 19 16-0087	MLF	#14 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,001.83		
26 05 19 16-0088	MLF	#12 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,180.29		
26 05 19 16-0089	MLF	#10 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,495.12		
26 05 19 16-0090	MLF	#8 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,977.67		
26 05 19 16-0091	MLF	#6 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	2,808.00		
26 05 19 16-0092	MLF	#4 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	3,715.00		
26 05 19 16-0093	MLF	#2 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	5,422.76		
26 05 19 16-0094	MLF	#1 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	6,796.33		
26 05 19 16-0095	MLF	1/0 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	8,370.08		
26 05 19 16-0096	MLF	2/0 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	10,181.61		
26 05 19 16-0097	MLF	3/0 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	12,322.17		

	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 19 16-0098	MLF	4/0 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	13,936.71	
26 05 19 16-0099	MLF	250 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	15,087.26	
26 05 19 16-0100	MLF	300 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	18,140.38	
26 05 19 16-0101	MLF	350 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	20,312.15	
26 05 19 16-0102	MLF	400 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	22,862.09	
26 05 19 16-0103	MLF	500 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	27,178.13	
26 05 19 16-0104	MLF	600 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	32,168.74	
26 05 19 16-0105	MLF	750 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	51,625.10	
26 05 19 16-0106	MLF	#14 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	805.48	
26 05 19 16-0107	MLF	#12 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	967.58	
26 05 19 16-0108	MLF	#10 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,162.23	
26 05 19 16-0109	MLF	#8 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,423.76	
26 05 19 16-0110	MLF	#6 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,839.60	
26 05 19 16-0111	MLF	#4 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	2,455.62	
26 05 19 16-0112	MLF	#2 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	3,347.34	
26 05 19 16-0113	MLF	#1 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	3,974.95	
26 05 19 16-0114	MLF	1/0 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	4,497.23	
26 05 19 16-0115	MLF	2/0 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	5,069.13	
26 05 19 16-0116	MLF	3/0 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	5,904.07	
26 05 19 16-0117	MLF	4/0 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	6,919.62	
26 05 19 16-0118	MLF	250 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	7,862.77	
26 05 19 16-0119	MLF	300 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	8,859.22	
26 05 19 16-0120	MLF	350 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	9,943.23	
26 05 19 16-0121	MLF	400 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	11,065.37	
26 05 19 16-0122	MLF	500 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	12,930.82	
26 05 19 16-0123	MLF	750 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	21,841.88	
26 05 19 16-0124	MLF	#14 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	678.61	
26 05 19 16-0125	MLF	#12 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	847.20	
26 05 19 16-0126	MLF	#10 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,056.78	
26 05 19 16-0127	MLF	#8 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,498.00	
26 05 19 16-0128	MLF	#6 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	2,060.67	
26 05 19 16-0129	MLF	#4 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	2,751.99	
26 05 19 16-0130	MLF	#2 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	3,960.01	
26 05 19 16-0131	MLF	#1 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	4,740.02	
26 05 19 16-0132	MLF	1/0 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	5,516.22	
26 05 19 16-0133	MLF	2/0 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	6,278.44	
26 05 19 16-0134	MLF	3/0 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	7,494.46	
26 05 19 16-0135	MLF	4/0 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	8,966.59	
26 05 19 16-0136	MLF	250 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	10,563.72	
26 05 19 16-0137	MLF	300 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	12,230.11	
26 05 19 16-0138	MLF	350 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	14,025.39	
26 05 19 16-0139	MLF	400 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	15,755.66	
26 05 19 16-0140	MLF	500 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	18,794.63	
26 05 19 16-0141	MLF	600 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	22,665.80	
26 05 19 16-0142	MLF	750 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	36,247.62	
26 05 19 16-0143	MLF	#2 AWG, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	5,991.53	
26 05 19 16-0144	MLF	1/0 AWG, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	8,650.34	
26 05 19 16-0145	MLF	2/0 AWG, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	9,599.08	
26 05 19 16-0146	MLF	3/0 AWG, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	10,912.87	
26 05 19 16-0147	MLF	4/0 AWG, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	12,133.45	
26 05 19 16-0148	MLF	250 MCM, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	13,069.39	
26 05 19 16-0149	MLF	350 MCM, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	18,881.57	
26 05 19 16-0150	MLF	400 MCM, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	20,536.54	
26 05 19 16-0151	MLF	500 MCM, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	23,470.78	

26 05 19 16-0152 600 Volt, Armored Cable, Copper Conductors (26 05 19 16-0012)

26 05 19 16-0153 ACTHH, Solid (26 05 19 16-0152)

26 05 19 16-0154	MLF	1 Conductor, #8 AWG, Type ACT, Solid, Armored Cable.....	2,657.67	704.24
26 05 19 16-0155	MLF	1 Conductor, #6 AWG, Type ACT, Solid, Armored Cable.....	3,071.82	798.13
26 05 19 16-0156	MLF	1 Conductor, #4 AWG, Type ACT, Solid, Armored Cable.....	3,547.17	845.08
26 05 19 16-0157	MLF	2 Conductors, #14 AWG, Type ACTHH, Solid, Armored Cable.....	3,758.06	1,173.72
26 05 19 16-0158	MLF	2 Conductors, #12 AWG, Type ACTHH, Solid, Armored Cable.....	3,999.65	1,314.33
26 05 19 16-0159	MLF	2 Conductors, #10 AWG, Type ACTHH, Solid, Armored Cable.....	5,161.88	1,456.23
26 05 19 16-0160	MLF	2 Conductors, #8 AWG, Type ACTHH, Solid, Armored Cable.....	6,891.42	1,596.85
26 05 19 16-0161	MLF	3 Conductors, #14 AWG, Type ACTHH, Solid, Armored Cable.....	4,593.79	1,314.33
26 05 19 16-0162	MLF	3 Conductors, #12 AWG, Type ACTHH, Solid, Armored Cable.....	4,775.16	1,456.23
26 05 19 16-0163	MLF	3 Conductors, #10 AWG, Type ACTHH, Solid, Armored Cable.....	6,209.17	1,643.91
26 05 19 16-0164	MLF	3 Conductors, #8 AWG, Type ACTHH, Solid, Armored Cable.....	8,231.69	1,783.82
26 05 19 16-0165	MLF	4 Conductors, #14 AWG, Type ACTHH, Solid, Armored Cable.....	5,530.12	1,456.23
26 05 19 16-0166	MLF	4 Conductors, #12 AWG, Type ACTHH, Solid, Armored Cable.....	6,037.11	1,643.91
26 05 19 16-0167	MLF	4 Conductors, #10 AWG, Type ACTHH, Solid, Armored Cable.....	7,805.00	1,831.12

26 Electrical**26 05 Common Work Results for Electrical****26 05 19 Low-Voltage Electrical Power Conductors and Cables**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 19 16-0168 MLF 4 Conductors, #8 AWG, Type ACTHH, Solid, Armored Cable 10,314.61 1,972.67

26 05 19 16-0169 ACTHH, Stranded (26 05 19 16-0152)

 26 05 19 16-0170 MLF 2 Conductors, #8 AWG, Type ACTHH, Stranded, Armored Cable 7,127.28 1,691.22
 26 05 19 16-0171 MLF 2 Conductors, #6 AWG, Type ACTHH, Stranded, Armored Cable 8,759.28 1,924.08
 26 05 19 16-0172 MLF 3 Conductors, #8 AWG, Type ACTHH, Stranded, Armored Cable 8,467.15 1,877.96
 26 05 19 16-0173 MLF 3 Conductors, #6 AWG, Type ACTHH, Stranded, Armored Cable 10,739.71 2,111.06
 26 05 19 16-0174 MLF 3 Conductors, #4 AWG, Type ACTHH, Stranded, Armored Cable 13,751.54 2,347.45
 26 05 19 16-0175 MLF 3 Conductors, #3 AWG, Type ACTHH, Stranded, Armored Cable 15,869.30 2,579.61
 26 05 19 16-0176 MLF 3 Conductors, #2 AWG, Type ACTHH, Stranded, Armored Cable 18,254.77 2,814.70
 26 05 19 16-0177 MLF 4 Conductors, #8 AWG, Type ACTHH, Stranded, Armored Cable 11,015.07 2,252.84
 26 05 19 16-0178 MLF 4 Conductors, #6 AWG, Type ACTHH, Stranded, Armored Cable 13,456.05 2,486.65
 26 05 19 16-0179 MLF 4 Conductors, #4 AWG, Type ACTHH, Stranded, Armored Cable 17,547.78 2,723.27
 26 05 19 16-0180 MLF 4 Conductors, #3 AWG, Type ACTHH, Stranded, Armored Cable 19,244.84 2,956.49
 26 05 19 16-0181 MLF 4 Conductors, #2 AWG, Type ACTHH, Stranded, Armored Cable 22,992.77 3,189.47

26 05 19 16-0182 HCFC, Solid (26 05 19 16-0152)

 26 05 19 16-0183 MLF 2 Conductors, #14 AWG, Type HCF, Solid, Armored Cable 4,275.48 1,173.72
 26 05 19 16-0184 MLF 2 Conductors, #12 AWG, Type HCF, Solid, Armored Cable 4,664.52 1,318.79
 26 05 19 16-0185 MLF 2 Conductors, #10 AWG, Type HCF, Solid, Armored Cable 5,226.23 1,449.08
 26 05 19 16-0186 MLF 3 Conductors, #14 AWG, Type HCF, Solid, Armored Cable 5,234.72 1,318.79
 26 05 19 16-0187 MLF 3 Conductors, #12 AWG, Type HCF, Solid, Armored Cable 5,599.34 1,449.08
 26 05 19 16-0188 MLF 3 Conductors, #10 AWG, Type HCF, Solid, Armored Cable 7,443.85 1,653.18
 26 05 19 16-0189 MLF 4 Conductors, #14 AWG, Type HCF, Solid, Armored Cable 6,517.19 1,449.08
 26 05 19 16-0190 MLF 4 Conductors, #12 AWG, Type HCF, Solid, Armored Cable 7,085.91 1,653.18
 26 05 19 16-0191 MLF 4 Conductors, #10 AWG, Type HCF, Solid, Armored Cable 9,899.05 1,833.95

26 05 19 16-0192 MC, Solid Or Stranded, Galvanized Steel Armor (26 05 19 16-0152)

 26 05 19 16-0193 MLF 2 Conductors, #14 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable 3,736.38 1,173.72
 26 05 19 16-0194 MLF 2 Conductors, #12 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable 4,169.33 1,318.79
 26 05 19 16-0195 MLF 2 Conductors, #10 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable 5,081.30 1,449.08
 26 05 19 16-0196 MLF 2 Conductors, #8 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable 6,653.76 1,548.49
 26 05 19 16-0197 MLF 2 Conductors, #6 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable 8,430.82 1,641.57
 26 05 19 16-0198 MLF 3 Conductors, #14 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable 4,334.32 1,318.79
 26 05 19 16-0199 MLF 3 Conductors, #12 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable 4,910.19 1,449.08
 26 05 19 16-0200 MLF 3 Conductors, #10 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable 6,335.84 1,653.18
 26 05 19 16-0201 MLF 3 Conductors, #8 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable 8,420.58 1,783.82
 26 05 19 16-0202 MLF 3 Conductors, #6 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable 9,930.75 1,924.08
 26 05 19 16-0203 MLF 3 Conductors, #4 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable 12,450.95 2,066.46
 26 05 19 16-0204 MLF 3 Conductors, #2 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable 17,559.17 2,206.25
 26 05 19 16-0205 MLF 4 Conductors, #14 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable 5,066.32 1,449.08
 26 05 19 16-0206 MLF 4 Conductors, #12 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable 5,807.54 1,653.18
 26 05 19 16-0207 MLF 4 Conductors, #10 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable 9,119.89 1,833.95
 26 05 19 16-0208 MLF 4 Conductors, #8 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable 12,612.80 2,020.21
 26 05 19 16-0209 MLF 4 Conductors, #6 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable 15,575.64 2,161.52
 26 05 19 16-0210 MLF 4 Conductors, #4 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable 20,841.60 2,301.43
 26 05 19 16-0211 MLF 4 Conductors, #2 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable 27,204.77 2,440.17

26 05 19 16-0212 MC, Solid Or Stranded, Aluminum Armor (26 05 19 16-0152)

 26 05 19 16-0213 MLF 2 Conductors, #14 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable 3,700.87 1,173.72
 26 05 19 16-0214 MLF 2 Conductors, #12 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable 4,077.26 1,318.79
 26 05 19 16-0215 MLF 2 Conductors, #10 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable 4,999.87 1,449.08
 26 05 19 16-0216 MLF 3 Conductors, #14 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable 4,482.61 1,318.79
 26 05 19 16-0217 MLF 3 Conductors, #12 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable 4,828.39 1,449.08
 26 05 19 16-0218 MLF 3 Conductors, #10 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable 6,271.15 1,653.18
 26 05 19 16-0219 MLF 4 Conductors, #14 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable 5,771.29 1,449.08
 26 05 19 16-0220 MLF 4 Conductors, #12 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable 6,318.48 1,653.18
 26 05 19 16-0221 MLF 4 Conductors, #10 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable 9,119.89 1,833.95

26 05 19 16-0222 BX, Solid (26 05 19 16-0152)

 26 05 19 16-0223 MLF #14 AWG Cable - Type BX, 2 Conductors, Solid Copper, Armored Cable 5,067.39 1,564.92
 26 05 19 16-0224 MLF #12 AWG Cable - Type BX, 2 Conductors, Solid Copper, Armored Cable 5,642.15 1,778.42
 26 05 19 16-0225 MLF #10 AWG Cable - Type BX, 2 Conductors, Solid Copper, Armored Cable 7,343.54 2,095.91
 26 05 19 16-0226 MLF #14 AWG Cable - Type BX, 3 Conductors, Solid Copper, Armored Cable 5,751.34 1,701.07
 26 05 19 16-0227 MLF #12 AWG Cable - Type BX, 3 Conductors, Solid Copper, Armored Cable 6,986.05 2,095.91
 26 05 19 16-0228 MLF #10 AWG Cable - Type BX, 3 Conductors, Solid Copper, Armored Cable 8,993.15 2,497.33
 26 05 19 16-0229 MLF #14 AWG Cable - Type BX, 4 Conductors, Solid Copper, Armored Cable 6,678.84 1,863.05
 26 05 19 16-0230 MLF #12 AWG Cable - Type BX, 4 Conductors, Solid Copper, Armored Cable 7,687.29 2,095.91
 26 05 19 16-0231 MLF #10 AWG Cable - Type BX, 4 Conductors, Solid Copper, Armored Cable 10,821.29 2,667.52

26 05 19 16-0232 FPLP Solid TFN Red Armored Cable (26 05 19 16-0152)

Note: Color coded red.

 26 05 19 16-0233 MLF #18/2 With Bare #18 Ground Type TFN FPLP Red Armored Cable 3,981.77 892.03
 26 05 19 16-0234 MLF #18/4 With Bare #18 Ground Type TFN FPLP Red Armored Cable 4,511.37 1,032.88
 26 05 19 16-0235 MLF #18/6 With Bare #18 Ground Type TFN FPLP Red Armored Cable 5,647.98 1,173.72
 26 05 19 16-0236 MLF #18/8 With Bare #18 Ground Type TFN FPLP Red Armored Cable 6,494.72 1,314.57
 26 05 19 16-0237 MLF #16/2 With Bare #16 Ground Type TFN FPLP Red Armored Cable 4,522.92 1,032.88
 26 05 19 16-0238 MLF #16/4 With Bare #16 Ground Type TFN FPLP Red Armored Cable 5,370.73 1,173.72

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0239	MLF	#16/6 With Bare #16 Ground Type TFN FPLP Red Armored Cable.....	6,827.63	1,314.57
26 05 19 16-0240	MLF	#16/8 With Bare #16 Ground Type TFN FPLP Red Armored Cable.....	7,787.80	1,455.41
26 05 19 16-0241 FPLP Solid THHN Red Armored Cable (26 05 19 16-0152)				
Note: Color coded red.				
26 05 19 16-0242	MLF	#14/2 With #14 Ground Type THHN FPLP Red Armored Cable	5,010.52	1,173.72
26 05 19 16-0243	MLF	#14/4 With #14 Ground Type THHN FPLP Red Armored Cable	6,296.24	1,314.57
26 05 19 16-0244	MLF	#14/6 With #14 Ground Type THHN FPLP Red Armored Cable	8,530.28	1,455.41
26 05 19 16-0245	MLF	#14/8 With #14 Ground Type THHN FPLP Red Armored Cable	9,937.83	1,596.26
26 05 19 16-0246	MLF	#12/2 With #12 Ground Type THHN FPLP Red Armored Cable	6,407.56	1,314.57
26 05 19 16-0247	MLF	#12/4 With #12 Ground Type THHN FPLP Red Armored Cable	7,920.12	1,455.41
26 05 19 16-0248 FPLP Twisted Shielded Pair Red Armored Cable (26 05 19 16-0152)				
Note: Color coded red.				
26 05 19 16-0249	MLF	#18/2 With #18 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable.....	4,359.83	892.03
26 05 19 16-0250	MLF	#18/2 With #18 Tinned Ground And #14/2 With #14 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable.....	7,046.06	1,314.57
26 05 19 16-0251	MLF	#16/2 With #16 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable.....	5,395.62	1,032.88
26 05 19 16-0252	MLF	#16/4 With Two #16 Tinned Grounds FPLP Twisted Shielded Pair Red Armored Cable	6,397.80	1,173.72
26 05 19 16-0253	MLF	#16/2 With #16 Tinned Ground And #12/2 With #12 Ground FPLP Twisted Shielded Pair Red Armored Cable	8,989.21	1,455.41
26 05 19 16-0254	MLF	#14/2 With One #16 Tinned Ground And One #14 Ground FPLP Twisted Shielded Pair Red Armored Cable	6,314.59	1,220.67
26 05 19 16-0255	MLF	#14/4 With Two #16 Tinned Ground And One #14 Ground FPLP Twisted Shielded Pair Red Armored Cable	7,853.16	1,408.47
26 05 19 16-0256 Armored Cable Connectors (26 05 19 16-0152)				
26 05 19 16-0257	EA	3/4" Armored Cable Connector.....	7.22	2.58
		For Work In Restricted Working Space, Add	1.93	
		For Elevated Installation >10' To 15', Add	0.64	
		For Elevated Installation >15' To 20', Add	1.29	
		For Elevated Installation >20' To 25', Add	1.61	
		For Elevated Installation >25' To 30', Add	2.25	
		For Elevated Installation >30' To 35', Add	2.58	
		For Elevated Installation >35' To 40', Add	3.22	
		For Elevated Installation >40', Add	3.54	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.93	
26 05 19 16-0258	EA	1" Armored Cable Connector.....	9.64	3.43
		For Work In Restricted Working Space, Add	2.57	
		For Elevated Installation >10' To 15', Add	0.86	
		For Elevated Installation >15' To 20', Add	1.72	
		For Elevated Installation >20' To 25', Add	2.15	
		For Elevated Installation >25' To 30', Add	3.00	
		For Elevated Installation >30' To 35', Add	3.43	
		For Elevated Installation >35' To 40', Add	4.29	
		For Elevated Installation >40', Add	4.72	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.57	
26 05 19 16-0259	EA	1-1/4" Armored Cable Connector.....	12.11	4.29
		For Work In Restricted Working Space, Add	3.22	
		For Elevated Installation >10' To 15', Add	1.07	
		For Elevated Installation >15' To 20', Add	2.14	
		For Elevated Installation >20' To 25', Add	2.68	
		For Elevated Installation >25' To 30', Add	3.75	
		For Elevated Installation >30' To 35', Add	4.29	
		For Elevated Installation >35' To 40', Add	5.36	
		For Elevated Installation >40', Add	5.90	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.22	
26 05 19 16-0260 600 Volt, Feeder Wire, Single Stranded Copper (26 05 19 16-0012)				
26 05 19 16-0261	MLF	#14 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	917.33	171.89
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	95.88	
		For EPR Insulation, Add	41.09	
26 05 19 16-0262	MLF	#12 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	1,029.87	190.34
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	97.74	
		For EPR Insulation, Add	41.89	
26 05 19 16-0263	MLF	#10 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	1,265.56	237.94
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	142.70	
		For EPR Insulation, Add	61.16	
26 05 19 16-0264	MLF	#8 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	1,742.57	378.52
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	234.59	
		For EPR Insulation, Add	100.54	
26 05 19 16-0265	MLF	#6 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	2,413.07	454.23
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	394.21	
		For EPR Insulation, Add	168.95	
26 05 19 16-0266	MLF	#4 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	3,312.43	527.36
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	596.39	
		For EPR Insulation, Add	255.60	
26 05 19 16-0267	MLF	#3 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	3,781.20	603.60
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	685.40	
		For EPR Insulation, Add	293.74	
26 05 19 16-0268	MLF	#2 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	4,804.85	679.84
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	968.61	
		For EPR Insulation, Add	415.12	
26 05 19 16-0269	MLF	#1 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	5,991.15	757.16
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	1,308.76	
		For EPR Insulation, Add	560.90	

26 Electrical**26 05 Common Work Results for Electrical****26 05 19 Low-Voltage Electrical Power Conductors and Cables**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 19 16-0270	MLF 1/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	7,243.67	854.20
	For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	1,634.55	
	For EPR Insulation, Add	700.52	
26 05 19 16-0271	MLF 2/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	8,765.69	947.27
	For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	2,054.66	
	For EPR Insulation, Add	880.57	
26 05 19 16-0272	MLF 3/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	10,552.78	1,057.51
	For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	2,567.55	
	For EPR Insulation, Add	1,100.38	
26 05 19 16-0273	MLF 4/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	11,916.13	1,175.78
	For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	2,932.13	
	For EPR Insulation, Add	1,256.63	
26 05 19 16-0274	MLF 250 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	12,676.67	1,289.55
	For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	3,085.73	
	For EPR Insulation, Add	1,322.46	
26 05 19 16-0275	MLF 300 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	15,011.48	1,417.59
	For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	3,790.32	
	For EPR Insulation, Add	1,624.42	
26 05 19 16-0276	MLF 350 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	16,768.54	1,502.84
	For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	4,292.70	
	For EPR Insulation, Add	1,839.73	
26 05 19 16-0277	MLF 400 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	18,818.96	1,679.67
	For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	4,897.75	
	For EPR Insulation, Add	2,099.04	
26 05 19 16-0278	MLF 500 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	21,555.90	1,868.07
	For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	5,743.09	
	For EPR Insulation, Add	2,461.32	
26 05 19 16-0279	MLF 600 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	25,302.53	1,943.56
	For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	6,904.29	
	For EPR Insulation, Add	2,958.98	
26 05 19 16-0280	MLF 750 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	41,446.84	2,018.93
	For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	12,329.61	
	For EPR Insulation, Add	5,284.12	
26 05 19 16-0281	MLF 1,000 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	52,354.68	2,157.27
	For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	15,997.23	
	For EPR Insulation, Add	6,855.96	
26 05 19 16-0282	MLF #16 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,603.85	385.81
26 05 19 16-0283	MLF #14 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,021.15	428.92
26 05 19 16-0284	MLF #12 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,543.55	515.13
26 05 19 16-0285	MLF #10 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	3,018.36	600.27
26 05 19 16-0286	MLF #8 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	4,569.44	642.74
26 05 19 16-0287	MLF #18 AWG, Type TFFN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	516.41	214.46
26 05 19 16-0288	MLF #16 AWG, Type TFFN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	643.85	235.91
26 05 19 16-0289	MLF #14 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	671.83	172.00
26 05 19 16-0290	MLF #12 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	837.49	205.03
26 05 19 16-0291	MLF #10 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,042.23	257.89
26 05 19 16-0292	MLF #8 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,472.62	339.92
26 05 19 16-0293	MLF #6 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,018.71	410.48
26 05 19 16-0294	MLF #4 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,687.33	485.11
26 05 19 16-0295	MLF #3 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	3,218.46	549.13
26 05 19 16-0296	MLF #2 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	3,858.24	614.96
26 05 19 16-0297	MLF #1 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	4,611.32	694.00
26 05 19 16-0298	MLF 1/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	5,365.88	759.94
26 05 19 16-0299	MLF 2/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	6,102.02	839.83
26 05 19 16-0300	MLF 3/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	7,270.34	888.30
26 05 19 16-0301	MLF 4/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	8,687.69	999.39
26 05 19 16-0302	MLF 250 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	10,224.08	1,063.19
26 05 19 16-0303	MLF 300 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	11,826.44	1,204.09
26 05 19 16-0304	MLF 350 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	13,551.57	1,332.55
26 05 19 16-0305	MLF 400 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	15,214.77	1,369.01
26 05 19 16-0306	MLF 500 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	18,124.32	1,448.37
26 05 19 16-0307	MLF 600 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	22,558.57	1,704.43
26 05 19 16-0308	MLF 750 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	34,797.26	2,018.93
26 05 19 16-0309	MLF 1,000 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	41,723.24	2,437.56
26 05 19 16-0310	MLF #16 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,849.31	515.13
26 05 19 16-0311	MLF #14 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	3,157.28	600.27
26 05 19 16-0312	MLF #12 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	3,661.73	686.81
26 05 19 16-0313	MLF #10 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	4,798.57	771.73
26 05 19 16-0314	MLF #8 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	5,443.33	857.85
26 05 19 16-0315	MLF #6 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	6,992.48	942.77

26 05 19 16-0316 600 Volt, Feeder Wire, Single Stranded Aluminum (26 05 19 16-0012)

26 05 19 16-0317	MLF #6 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,271.36	329.36
26 05 19 16-0318	MLF #4 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,509.61	382.98
26 05 19 16-0319	MLF #2 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,978.48	491.62
26 05 19 16-0320	MLF #1 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,470.01	548.98
26 05 19 16-0321	MLF 1/0 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,863.51	618.50
26 05 19 16-0322	MLF 2/0 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,263.23	682.65
26 05 19 16-0323	MLF 3/0 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,859.78	770.41
26 05 19 16-0324	MLF 4/0 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	4,273.69	849.97
26 05 19 16-0325	MLF 250 MCM, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	4,959.22	934.39
26 05 19 16-0326	MLF 300 MCM, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	6,163.71	1,016.13
26 05 19 16-0327	MLF 350 MCM, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	6,427.97	1,097.85
26 05 19 16-0328	MLF 400 MCM, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	7,359.13	1,221.11
26 05 19 16-0329	MLF 500 MCM, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	8,110.75	1,344.32
26 05 19 16-0330	MLF 600 MCM, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	9,933.16	1,565.99

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0331 MLF 700 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	11,239.41	1,716.76
26 05 19 16-0332 MLF 750 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	11,469.25	1,780.41
26 05 19 16-0333 MLF 1,000 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	15,848.26	2,159.73
26 05 19 16-0334 MLF #8 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,523.59	380.78
26 05 19 16-0335 MLF #6 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,712.84	428.92
26 05 19 16-0336 MLF #4 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,108.71	527.68
26 05 19 16-0337 MLF #2 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,688.88	646.82
26 05 19 16-0338 MLF #1 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,473.20	761.45
26 05 19 16-0339 MLF 1/0 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	4,029.06	858.17
26 05 19 16-0340 MLF 2/0 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	4,608.88	953.17
26 05 19 16-0341 MLF 3/0 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	5,364.92	1,039.93
26 05 19 16-0342 MLF 4/0 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	5,839.48	1,106.72
26 05 19 16-0343 MLF 250 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	6,711.48	1,184.15
26 05 19 16-0344 MLF 300 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	8,353.95	1,269.08
26 05 19 16-0345 MLF 350 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	8,694.16	1,370.95
26 05 19 16-0346 MLF 400 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	9,895.37	1,495.01
26 05 19 16-0347 MLF 500 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	11,081.36	1,715.69
26 05 19 16-0348 MLF 600 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	13,119.84	1,805.55
26 05 19 16-0349 MLF 700 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	14,693.50	1,903.56
26 05 19 16-0350 MLF 750 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	15,093.61	2,023.02
26 05 19 16-0351 MLF 1,000 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	22,029.27	2,835.18
26 05 19 16-0352 MLF #6 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,564.36	428.92
26 05 19 16-0353 MLF #4 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,951.45	527.57
26 05 19 16-0354 MLF #2 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,434.64	647.67
26 05 19 16-0355 MLF #1 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,059.66	757.16
26 05 19 16-0356 MLF 1/0 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,456.98	854.20
26 05 19 16-0357 MLF 2/0 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,914.69	947.27
26 05 19 16-0358 MLF 3/0 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	4,539.99	1,039.93
26 05 19 16-0359 MLF 4/0 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	4,960.04	1,106.72
26 05 19 16-0360 MLF 250 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	5,629.70	1,183.39
26 05 19 16-0361 MLF 300 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	6,832.00	1,270.68
26 05 19 16-0362 MLF 350 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	7,227.86	1,372.77
26 05 19 16-0363 MLF 400 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	8,002.96	1,491.58
26 05 19 16-0364 MLF 500 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	9,209.82	1,715.69
26 05 19 16-0365 MLF 600 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	10,547.06	1,800.72
26 05 19 16-0366 MLF 700 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	11,704.07	1,903.56
26 05 19 16-0367 MLF 750 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	12,156.09	2,016.90

26 05 19 16-0368 Non-Metallic Sheathed Cable (26 05 19 16-0012)

26 05 19 16-0369 Indoor Installation (26 05 19 16-0368)

Note: For NM, NM-B, NMC-B and NMS-B.

26 05 19 16-0370 MLF #14 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	3,049.31	814.85
For Installation In Wood Stud Wall (Includes Drilling), Add	305.56	
26 05 19 16-0371 MLF #14 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	3,854.18	986.52
For Installation In Wood Stud Wall (Includes Drilling), Add	369.96	
26 05 19 16-0372 MLF #14 AWG, 4 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	5,965.54	1,091.60
For Installation In Wood Stud Wall (Includes Drilling), Add	409.35	
26 05 19 16-0373 MLF #12 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	3,945.54	926.47
For Installation In Wood Stud Wall (Includes Drilling), Add	329.73	
26 05 19 16-0374 MLF #12 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	5,875.10	1,029.20
For Installation In Wood Stud Wall (Includes Drilling), Add	385.96	
26 05 19 16-0375 MLF #12 AWG, 4 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	7,980.57	1,149.51
For Installation In Wood Stud Wall (Includes Drilling), Add	431.07	
26 05 19 16-0376 MLF #10 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	4,985.18	1,029.74
For Installation In Wood Stud Wall (Includes Drilling), Add	386.16	
26 05 19 16-0377 MLF #10 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	8,263.21	1,201.20
For Installation In Wood Stud Wall (Includes Drilling), Add	450.45	
26 05 19 16-0378 MLF #10 AWG, 4 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	9,900.93	1,372.55
For Installation In Wood Stud Wall (Includes Drilling), Add	514.71	
26 05 19 16-0379 MLF #8 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	10,019.69	1,233.15
For Installation In Wood Stud Wall (Includes Drilling), Add	439.11	
26 05 19 16-0380 MLF #8 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	12,864.56	1,490.51
For Installation In Wood Stud Wall (Includes Drilling), Add	530.79	
26 05 19 16-0381 MLF #6 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	13,305.94	1,404.72
For Installation In Wood Stud Wall (Includes Drilling), Add	498.62	
26 05 19 16-0382 MLF #6 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	17,907.18	1,694.24
For Installation In Wood Stud Wall (Includes Drilling), Add	603.17	
26 05 19 16-0383 MLF #4 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	43,044.20	1,865.81
For Installation In Wood Stud Wall (Includes Drilling), Add	663.49	
26 05 19 16-0384 MLF #2 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	50,329.88	2,026.66
For Installation In Wood Stud Wall (Includes Drilling), Add	723.80	

26 05 19 16-0385 Direct Burial Cable (26 05 19 16-0368)

Note: Excludes trench and backfill. For NM, NM-B, NMC-B and NMS-B. Copper.

26 05 19 16-0386 MLF #14 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	2,414.46	
26 05 19 16-0387 MLF #14 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	3,143.26	
26 05 19 16-0388 MLF #12 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	3,059.90	
26 05 19 16-0389 MLF #12 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	3,905.47	
26 05 19 16-0390 MLF #10 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	3,318.64	

26 Electrical**26 05 Common Work Results for Electrical****26 05 19 Low-Voltage Electrical Power Conductors and Cables**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 19 16-0391	MLF	#10 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench.....	4,734.28	
26 05 19 16-0392	MLF	#8 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench.....	5,088.97	
26 05 19 16-0393	MLF	#8 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench.....	6,499.83	
26 05 19 16-0394	MLF	#6 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench.....	6,402.71	
26 05 19 16-0395	MLF	#6 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench.....	8,399.99	

26 05 19 16-0396 SEU Cable Copper, 3 Conductor (26 05 19 16-0368)

26 05 19 16-0397	MLF	12-12-12 Cable SEU Copper.....	3,236.10	1,033.23
26 05 19 16-0398	MLF	10-10-10 Cable SEU Copper.....	4,101.79	1,173.72
26 05 19 16-0399	MLF	8-8-8 Cable SEU Copper.....	5,152.01	1,314.33
26 05 19 16-0400	MLF	6-6-8 Cable SEU Copper.....	6,281.07	1,409.06
26 05 19 16-0401	MLF	6-6-6 Cable SEU Copper.....	6,776.50	1,456.23
26 05 19 16-0402	MLF	4-4-6 Cable SEU Copper.....	8,320.38	1,596.85
26 05 19 16-0403	MLF	4-4-4 Cable SEU Copper.....	8,991.10	1,643.91
26 05 19 16-0404	MLF	3-3-5 Cable SEU Copper.....	10,512.63	1,783.82
26 05 19 16-0405	MLF	3-3-3 Cable SEU Copper.....	11,171.89	1,877.96
26 05 19 16-0406	MLF	2-2-4 Cable SEU Copper.....	11,945.99	1,972.67
26 05 19 16-0407	MLF	2-2-2 Cable SEU Copper.....	12,786.46	2,066.46
26 05 19 16-0408	MLF	1-1-1 Cable SEU Copper.....	15,713.66	2,347.45
26 05 19 16-0409	MLF	1/0-1/0-1/0 Cable SEU Copper.....	18,756.20	2,631.72
26 05 19 16-0410	MLF	2/0-2/0-2/0 Cable SEU Copper.....	22,656.90	2,964.01
26 05 19 16-0411	MLF	3/0-3/0-3/0 Cable SEU Copper.....	27,352.02	3,296.99
26 05 19 16-0412	MLF	4/0-4/0-4/0 Cable SEU Copper.....	30,569.17	3,679.39

26 05 19 16-0413 SEU Cable Aluminum, 3 Conductor (26 05 19 16-0368)

26 05 19 16-0414	MLF	8-8-8 Cable SEU Aluminum.....	4,210.93	1,318.79
26 05 19 16-0415	MLF	6-6-6 Cable SEU Aluminum.....	4,797.66	1,449.08
26 05 19 16-0416	MLF	4-4-6 Cable SEU Aluminum.....	5,386.00	1,586.17
26 05 19 16-0417	MLF	4-4-4 Cable SEU Aluminum.....	5,639.38	1,653.18
26 05 19 16-0418	MLF	2-2-4 Cable SEU Aluminum.....	6,746.33	1,956.25
26 05 19 16-0419	MLF	2-2-2 Cable SEU Aluminum.....	7,160.59	2,059.18
26 05 19 16-0420	MLF	1-1-1 Cable SEU Aluminum.....	8,596.11	2,347.45
26 05 19 16-0421	MLF	1/0-1/0-2 Cable SEU Aluminum.....	9,098.86	2,471.04
26 05 19 16-0422	MLF	1/0-1/0-1/0 Cable SEU Aluminum.....	11,042.97	2,608.24
26 05 19 16-0423	MLF	2/0-2/0-1 Cable SEU Aluminum.....	10,273.35	2,794.63
26 05 19 16-0424	MLF	2/0-2/0-2/0 Cable SEU Aluminum.....	10,852.04	2,934.31
26 05 19 16-0425	MLF	3/0-3/0-1/0 Cable SEU Aluminum.....	11,816.78	3,072.57
26 05 19 16-0426	MLF	3/0-3/0-3/0 Cable SEU Aluminum.....	12,640.92	3,260.36
26 05 19 16-0427	MLF	4/0-4/0-2/0 Cable SEU Aluminum.....	13,349.17	3,524.69
26 05 19 16-0428	MLF	4/0-4/0-4/0 Cable SEU Aluminum.....	14,096.36	3,667.88

26 05 19 16-0429 SER Cable Copper, 4 Conductor (26 05 19 16-0368)

26 05 19 16-0430	MLF	6-6-6-6 Cable SER Copper.....	10,703.15	1,691.22
26 05 19 16-0431	MLF	4-4-4-6 Cable SER Copper.....	11,744.15	1,831.12
26 05 19 16-0432	MLF	3-3-3-5 Cable SER Copper.....	14,618.87	2,066.46
26 05 19 16-0433	MLF	2-2-2-4 Cable SER Copper.....	16,772.21	2,252.84
26 05 19 16-0434	MLF	1-1-1-3 Cable SER Copper.....	19,563.42	2,579.61
26 05 19 16-0435	MLF	1/0-1/0-1/0-2 Cable SER Copper.....	23,886.85	2,956.49
26 05 19 16-0436	MLF	2/0-2/0-2/0-1 Cable SER Copper.....	30,093.19	3,189.47
26 05 19 16-0437	MLF	3/0-3/0-3/0-1/0 Cable SER Copper.....	34,796.56	3,567.53

26 05 19 16-0438 SER Cable Aluminum, 4 Conductor (26 05 19 16-0368)

26 05 19 16-0439	MLF	8-8-8-8 Cable SER Aluminum.....	5,010.14	1,578.54
26 05 19 16-0440	MLF	6-6-6-6 Cable SER Aluminum.....	5,447.25	1,691.22
26 05 19 16-0441	MLF	4-4-4-6 Cable SER Aluminum.....	6,066.31	1,831.12
26 05 19 16-0442	MLF	2-2-2-4 Cable SER Aluminum.....	7,614.60	2,252.84
26 05 19 16-0443	MLF	1-1-1-3 Cable SER Aluminum.....	9,100.76	2,579.61
26 05 19 16-0444	MLF	1/0-1/0-1/0-2 Cable SER Aluminum.....	10,302.58	2,956.49
26 05 19 16-0445	MLF	2/0-2/0-2/0-1 Cable SER Aluminum.....	11,467.76	3,189.47
26 05 19 16-0446	MLF	3/0-3/0-3/0-1/0 Cable SER Aluminum.....	13,023.88	3,567.53
26 05 19 16-0447	MLF	4/0-4/0-4/0-2/0 Cable SER Aluminum.....	14,751.62	3,975.28

26 05 19 16-0448 Mineral Insulated Cable, 2 Hour Fire Rated, 600 Volt (26 05 19 16-0012)

Note: Metal sheath, magnesium oxide insulation.

26 05 19 16-0449 One Conductor Mineral Insulated Cable (26 05 19 16-0448)

26 05 19 16-0450	MLF	1 Conductor, #12 AWG, 600 Volt Copper, Mineral Insulated Cable.....	5,272.41	1,032.88
		Note: 2 Hour Fire Rated, Metal Sheath Magnesium Oxide Insulation.		
		For Pair Of Pyropack With 36" Tails, Add	16.86	
		Note: 2 Terminations Per Kit		
		For Brass Plates At The Connection Box, Per Hole In The Plate (Brass Plates Excludes Holes), Add	20.00	
		For Factory Installed Fire-Rated Joint, Add	450.00	
		Note: For run lengths longer than nominal coil.		
26 05 19 16-0451	MLF	1 Conductor, #10 AWG, 600 Volt Copper, Mineral Insulated Cable.....	6,866.17	1,173.72
		Note: 2 Hour Fire Rated, Metal Sheath Magnesium Oxide Insulation.		
		For Pair Of Pyropack With 36" Tails, Add	16.86	
		Note: 2 Terminations Per Kit		
		For Brass Plates At The Connection Box, Per Hole In The Plate (Brass Plates Excludes Holes), Add	20.00	
		For Factory Installed Fire-Rated Joint, Add	450.00	
		Note: For run lengths longer than nominal coil.		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0452 MLF 1 Conductor, #8 AWG, 600 Volt Copper, Mineral Insulated Cable Note: 2 Hour Fire Rated, Metal Sheath Magnesium Oxide Insulation. For Pair Of Pyropack With 36" Tails, Add Note: 2 Terminations Per Kit For Brass Plates At The Connection Box, Per Hole In The Plate (Brass Plates Excludes Holes), Add For Factory Installed Fire-Rated Joint, Add Note: For run lengths longer than nominal coil.	8,597.67 16.86 20.00 450.00	1,220.67
26 05 19 16-0453 MLF 1 Conductor, #6 AWG, 600 Volt Copper, Mineral Insulated Cable Note: 2 Hour Fire Rated, Metal Sheath Magnesium Oxide Insulation. For Quick Termination Kit With 36" Tail, Add Note: 2 Termination Per Kit For Brass Plates At The Connection Box, Per Hole In The Plate (Brass Plates Excludes Holes), Add For Factory Installed Fire-Rated Joint, Add Note: For run lengths longer than nominal coil.	10,620.36 35.98 20.00 450.00	1,314.57
26 05 19 16-0454 MLF 1 Conductor, #4 AWG, 600 Volt Copper, Mineral Insulated Cable Note: 2 Hour Fire Rated, Metal Sheath Magnesium Oxide Insulation. For Quick Termination Kit With 36" Tail, Add Note: 2 Termination Per Kit For Brass Plates At The Connection Box, Per Hole In The Plate (Brass Plates Excludes Holes), Add For Factory Installed Fire-Rated Joint, Add Note: For run lengths longer than nominal coil.	12,875.76 35.98 20.00 450.00	1,502.37
26 05 19 16-0455 MLF 1 Conductor, #3 AWG, 600 Volt Copper, Mineral Insulated Cable Note: 2 Hour Fire Rated, Metal Sheath Magnesium Oxide Insulation. For Quick Termination Kit With 36" Tail, Add Note: 2 Termination Per Kit For Brass Plates At The Connection Box, Per Hole In The Plate (Brass Plates Excludes Holes), Add For Factory Installed Fire-Rated Joint, Add Note: For run lengths longer than nominal coil.	14,896.42 35.98 20.00 450.00	1,596.26
26 05 19 16-0456 MLF 1 Conductor, #2 AWG, 600 Volt Copper, Mineral Insulated Cable Note: 2 Hour Fire Rated, Metal Sheath Magnesium Oxide Insulation. For Quick Termination Kit With 36" Tail, Add Note: 2 Termination Per Kit For Brass Plates At The Connection Box, Per Hole In The Plate (Brass Plates Excludes Holes), Add For Factory Installed Fire-Rated Joint, Add Note: For run lengths longer than nominal coil.	17,796.56 35.98 20.00 450.00	1,690.16
26 05 19 16-0457 MLF 1 Conductor, #1 AWG, 600 Volt Copper, Mineral Insulated Cable Note: 2 Hour Fire Rated, Metal Sheath Magnesium Oxide Insulation. For Quick Termination Kit With 36" Tail, Add Note: 2 Termination Per Kit For Brass Plates At The Connection Box, Per Hole In The Plate (Brass Plates Excludes Holes), Add For Factory Installed Fire-Rated Joint, Add Note: For run lengths longer than nominal coil.	20,696.69 35.98 20.00 450.00	1,784.06
26 05 19 16-0458 MLF 1 Conductor, 1/0 AWG, 600 Volt Copper, Mineral Insulated Cable Note: 2 Hour Fire Rated, Metal Sheath Magnesium Oxide Insulation. For Quick Termination Kit With 36" Tail, Add Note: 2 Termination Per Kit For Brass Plates At The Connection Box, Per Hole In The Plate (Brass Plates Excludes Holes), Add For Factory Installed Fire-Rated Joint, Add Note: For run lengths longer than nominal coil.	23,596.79 35.98 20.00 450.00	1,877.96
26 05 19 16-0459 MLF 1 Conductor, 2/0 AWG, 600 Volt Copper, Mineral Insulated Cable Note: 2 Hour Fire Rated, Metal Sheath Magnesium Oxide Insulation. For Quick Termination Kit With 36" Tail, Add Note: 2 Termination Per Kit For Brass Plates At The Connection Box, Per Hole In The Plate (Brass Plates Excludes Holes), Add For Factory Installed Fire-Rated Joint, Add Note: For run lengths longer than nominal coil.	26,614.26 35.98 20.00 450.00	2,018.80
26 05 19 16-0460 MLF 1 Conductor, 3/0 AWG, 600 Volt Copper, Mineral Insulated Cable Note: 2 Hour Fire Rated, Metal Sheath Magnesium Oxide Insulation. For Quick Termination Kit With 36" Tail, Add Note: 2 Termination Per Kit For Brass Plates At The Connection Box, Per Hole In The Plate (Brass Plates Excludes Holes), Add For Factory Installed Fire-Rated Joint, Add Note: For run lengths longer than nominal coil.	29,631.77 35.98 20.00 450.00	2,159.65
26 05 19 16-0461 Two Conductor Mineral Insulated Cable (26 05 19 16-0448)		
26 05 19 16-0462 MLF 2 Conductors, #12 AWG, 600 Volt Copper, Mineral Insulated Cable Note: 2 Hour Fire Rated, Metal Sheath Magnesium Oxide Insulation. For Pair Of Pyropack With 36" Tails, Add Note: 2 Terminations Per Kit For Factory Installed Fire-Rated Joint, Add Note: For run lengths longer than nominal coil.	9,805.02 25.39 450.00	1,314.57
26 05 19 16-0463 MLF 2 Conductors, #10 AWG, 600 Volt Copper, Mineral Insulated Cable Note: 2 Hour Fire Rated, Metal Sheath Magnesium Oxide Insulation. For Pair Of Pyropack With 36" Tails, Add Note: 2 Terminations Per Kit For Factory Installed Fire-Rated Joint, Add Note: For run lengths longer than nominal coil.	12,692.17 25.39 450.00	1,455.41
26 05 19 16-0464 MLF 2 Conductors, #8 AWG, 600 Volt Copper, Mineral Insulated Cable Note: 2 Hour Fire Rated, Metal Sheath Magnesium Oxide Insulation. For Pair Of Pyropack With 36" Tails, Add Note: 2 Terminations Per Kit For Factory Installed Fire-Rated Joint, Add Note: For run lengths longer than nominal coil.	15,461.90 25.39 450.00	1,549.32
26 05 19 16-0465 MLF 2 Conductors, #6 AWG, 600 Volt Copper, Mineral Insulated Cable Note: 2 Hour Fire Rated, Metal Sheath Magnesium Oxide Insulation. For Pair Of Pyropack With 36" Tails, Add Note: 2 Terminations Per Kit For Factory Installed Fire-Rated Joint, Add Note: For run lengths longer than nominal coil.	20,766.68 56.28 450.00	1,643.21

26 Electrical**26 05 Common Work Results for Electrical****26 05 19 Low-Voltage Electrical Power Conductors and Cables**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
26 05 19 16-0466	MLF 2 Conductors, #4 AWG, 600 Volt Copper, Mineral Insulated Cable..... Note: 2 Hour Fire Rated, Metal Sheath Magnesium Oxide Insulation. <i>For Pair Of Pyropack With 36" Tails, Add</i> Note: 2 Terminations Per Kit <i>For Factory Installed Fire-Rated Joint, Add</i> Note: <i>For run lengths longer than nominal coil.</i>	26,188.88 56.28 450.00		4,507.10	
26 05 19 16-0467	MLF 2 Conductors, #3 AWG, 600 Volt Copper, Mineral Insulated Cable..... Note: 2 Hour Fire Rated, Metal Sheath Magnesium Oxide Insulation. <i>For Pair Of Pyropack With 36" Tails, Add</i> Note: 2 Terminations Per Kit <i>For Factory Installed Fire-Rated Joint, Add</i> Note: <i>For run lengths longer than nominal coil.</i>	31,493.62 56.28 450.00		1,877.96	
26 05 19 16-0468 Three Conductor Mineral Insulated Cable (26 05 19 16-0448)					
26 05 19 16-0469	MLF 3 Conductors, #12 AWG, 600 Volt Copper, Mineral Insulated Cable..... Note: 2 Hour Fire Rated, Metal Sheath Magnesium Oxide Insulation. <i>For Pair Of Pyropack With 36" Tail, Add</i> Note: 2 Terminations Per Kit <i>For Factory Installed Fire-Rated Joint, Add</i> Note: <i>For run lengths longer than nominal coil.</i>	11,758.88 25.39 450.00		1,455.41	
26 05 19 16-0470	MLF 3 Conductors, #10 AWG, 600 Volt Copper, Mineral Insulated Cable..... Note: 2 Hour Fire Rated, Metal Sheath Magnesium Oxide Insulation. <i>For Pair Of Pyropack With 36" Tail, Add</i> Note: 2 Terminations Per Kit <i>For Factory Installed Fire-Rated Joint, Add</i> Note: <i>For run lengths longer than nominal coil.</i>	15,328.30 25.39 450.00		1,643.21	
26 05 19 16-0471	MLF 3 Conductors, #8 AWG, 600 Volt Copper, Mineral Insulated Cable..... Note: 2 Hour Fire Rated, Metal Sheath Magnesium Oxide Insulation. <i>For Pair Of Pyropack With 36" Tail, Add</i> Note: 2 Terminations Per Kit <i>For Factory Installed Fire-Rated Joint, Add</i> Note: <i>For run lengths longer than nominal coil.</i>	18,780.43 25.39 450.00		1,784.06	
26 05 19 16-0472	MLF 3 Conductors, #6 AWG, 600 Volt Copper, Mineral Insulated Cable..... Note: 2 Hour Fire Rated, Metal Sheath Magnesium Oxide Insulation. <i>For Pair Of Pyropack With 36" Tail, Add</i> Note: 2 Terminations Per Kit <i>For Factory Installed Fire-Rated Joint, Add</i> Note: <i>For run lengths longer than nominal coil.</i>	25,336.54 100.74 450.00		1,924.90	
26 05 19 16-0473	MLF 3 Conductors, #4 AWG, 600 Volt Copper, Mineral Insulated Cable..... Note: 2 Hour Fire Rated, Metal Sheath Magnesium Oxide Insulation. <i>For Pair Of Pyropack With 36" Tail, Add</i> Note: 2 Terminations Per Kit <i>For Factory Installed Fire-Rated Joint, Add</i> Note: <i>For run lengths longer than nominal coil.</i>	31,888.63 100.74 450.00		2,065.76	
26 05 19 16-0474	MLF 3 Conductors, #3 AWG, 600 Volt Copper, Mineral Insulated Cable..... Note: 2 Hour Fire Rated, Metal Sheath Magnesium Oxide Insulation. <i>For Pair Of Pyropack With 36" Tail, Add</i> Note: 2 Terminations Per Kit <i>For Factory Installed Fire-Rated Joint, Add</i> Note: <i>For run lengths longer than nominal coil.</i>	38,440.69 100.74 450.00		2,206.60	
26 05 19 16-0475 Four Conductor Mineral Insulated Cable (26 05 19 16-0448)					
26 05 19 16-0476	MLF 4 Conductors, #12 AWG, 600 Volt Copper, Mineral Insulated Cable..... Note: 2 hour fire rated, metal sheath magnesium oxide insulation. <i>For Pair Of Pyropack With 36" Tails, Add</i> Note: 2 Terminations Per Kit <i>For Factory Installed Fire-Rated Joint, Add</i> Note: <i>For run lengths longer than nominal coil.</i>	14,868.89 28.17 450.00		1,643.21	
26 05 19 16-0477	MLF 4 Conductors, #10 AWG, 600 Volt Copper, Mineral Insulated Cable..... Note: 2 hour fire rated, metal sheath magnesium oxide insulation. <i>For Pair Of Pyropack With 36" Tails, Add</i> Note: 2 Terminations Per Kit <i>For Factory Installed Fire-Rated Joint, Add</i> Note: <i>For run lengths longer than nominal coil.</i>	18,297.61 28.17 450.00		1,831.01	
26 05 19 16-0478	MLF 4 Conductors, #8 AWG, 600 Volt Copper, Mineral Insulated Cable..... Note: 2 hour fire rated, metal sheath magnesium oxide insulation. <i>For Pair Of Pyropack With 36" Tails, Add</i> Note: 2 Terminations Per Kit <i>For Factory Installed Fire-Rated Joint, Add</i> Note: <i>For run lengths longer than nominal coil.</i>	21,726.33 28.17 450.00		2,018.80	
26 05 19 16-0479	MLF 4 Conductors, #6 AWG, 600 Volt Copper, Mineral Insulated Cable..... Note: 2 hour fire rated, metal sheath magnesium oxide insulation. <i>For Pair Of Pyropack With 36" Tails, Add</i> Note: 2 Terminations Per Kit <i>For Factory Installed Fire-Rated Joint, Add</i> Note: <i>For run lengths longer than nominal coil.</i>	25,037.71 28.17 450.00		2,159.65	
26 05 19 16-0480 Seven Conductor Mineral Insulated Cable (26 05 19 16-0448)					
26 05 19 16-0481	MLF 7 Conductors, #12 AWG, 600 Volt Copper, Mineral Insulated Cable..... Note: 2 Hour Fire Rated, Metal Sheath Magnesium Oxide Insulation. <i>For Pair Of Pyropack With 36" Tails, Add</i> Note: 2 Terminations Per Kit <i>For Factory Installed Fire-Rated Joint, Add</i> Note: <i>For run lengths longer than nominal coil.</i>	18,497.79 59.11 450.00		1,877.96	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0482 MLF 7 Conductors, #10 AWG, 600 Volt Copper, Mineral Insulated Cable..... Note: 2 Hour Fire Rated, Metal Sheath Magnesium Oxide Insulation. For Pair Of Pyropack With 36" Tails, Add Note: 2 Terminations Per Kit For Factory Installed Fire-Rated Joint, Add Note: For run lengths longer than nominal coil.	22,774.99 59.11 450.00	2,065.76
26 05 19 16-0483 MLF 7 Conductors, #8 AWG, 600 Volt Copper, Mineral Insulated Cable..... Note: 2 Hour Fire Rated, Metal Sheath Magnesium Oxide Insulation. For Pair Of Pyropack With 36" Tails, Add Note: 2 Terminations Per Kit For Factory Installed Fire-Rated Joint, Add Note: For run lengths longer than nominal coil.	27,052.19 59.11 450.00	2,253.54
26 05 19 16-0484 Control Tray Cable, Low Voltage (26 05 19 16-0011) Note: Type "TC" multi-conductor (individually numbered conductors) control cables installed in conduit.		
26 05 19 16-0485 MLF 2 Conductor #18 AWG, Stranded, Type TC Control Cable..... For Work In Restricted Working Space, Add	1,095.37 260.09	520.17
26 05 19 16-0486 MLF 3 Conductor #18 AWG, Stranded, Type TC Control Cable..... For Work In Restricted Working Space, Add	1,263.46 290.94	581.88
26 05 19 16-0487 MLF 4 Conductor #18 AWG, Stranded, Type TC Control Cable..... For Work In Restricted Working Space, Add	1,323.29 290.94	581.84
26 05 19 16-0488 MLF 5 Conductor #18 AWG, Stranded, Type TC Control Cable..... For Work In Restricted Working Space, Add	1,656.83 364.90	729.79
26 05 19 16-0489 MLF 7 Conductor #18 AWG, Stranded, Type TC Control Cable..... For Work In Restricted Working Space, Add	2,085.86 444.66	889.31
26 05 19 16-0490 MLF 9 Conductor #18 AWG, Stranded, Type TC Control Cable..... For Work In Restricted Working Space, Add	2,380.40 488.97	977.94
26 05 19 16-0491 MLF 12 Conductor #18 AWG, Stranded, Type TC Control Cable..... For Work In Restricted Working Space, Add	2,830.89 555.59	1,111.18
26 05 19 16-0492 MLF 15 Conductor #18 AWG, Stranded, Type TC Control Cable..... For Work In Restricted Working Space, Add	3,579.73 679.09	1,358.18
26 05 19 16-0493 MLF 19 Conductor #18 AWG, Stranded, Type TC Control Cable..... For Work In Restricted Working Space, Add	4,090.16 740.86	1,481.72
26 05 19 16-0494 MLF 25 Conductor #18 AWG, Stranded, Type TC Control Cable..... For Work In Restricted Working Space, Add	4,841.73 764.02	1,528.04
26 05 19 16-0495 MLF 30 Conductor #18 AWG, Stranded, Type TC Control Cable..... For Work In Restricted Working Space, Add	5,938.80 954.46	1,908.92
26 05 19 16-0496 MLF 37 Conductor #18 AWG, Stranded, Type TC Control Cable..... For Work In Restricted Working Space, Add	7,122.66 1,115.47	2,230.93
26 05 19 16-0497 MLF 2 Conductor #16 AWG, Stranded, Type TC Control Cable..... For Work In Restricted Working Space, Add	1,198.05 273.76	547.95
26 05 19 16-0498 MLF 3 Conductor #16 AWG, Stranded, Type TC Control Cable..... For Work In Restricted Working Space, Add	1,387.93 306.25	612.51
26 05 19 16-0499 MLF 4 Conductor #16 AWG, Stranded, Type TC Control Cable..... For Work In Restricted Working Space, Add	1,617.12 352.58	705.15
26 05 19 16-0500 MLF 5 Conductor #16 AWG, Stranded, Type TC Control Cable..... For Work In Restricted Working Space, Add	1,830.98 384.10	768.20
26 05 19 16-0501 MLF 7 Conductor #16 AWG, Stranded, Type TC Control Cable..... For Work In Restricted Working Space, Add	2,314.78 468.06	936.13
26 05 19 16-0502 MLF 9 Conductor #16 AWG, Stranded, Type TC Control Cable..... For Work In Restricted Working Space, Add	2,653.81 514.71	1,029.41
26 05 19 16-0503 MLF 12 Conductor #16 AWG, Stranded, Type TC Control Cable..... For Work In Restricted Working Space, Add	3,173.09 584.84	1,169.67
26 05 19 16-0504 MLF 15 Conductor #16 AWG, Stranded, Type TC Control Cable..... For Work In Restricted Working Space, Add	4,027.79 714.80	1,429.60
26 05 19 16-0505 MLF 19 Conductor #16 AWG, Stranded, Type TC Control Cable..... For Work In Restricted Working Space, Add	4,625.07 779.78	1,559.56
26 05 19 16-0506 MLF 25 Conductor #16 AWG, Stranded, Type TC Control Cable..... For Work In Restricted Working Space, Add	5,549.53 804.23	1,608.46
26 05 19 16-0507 MLF 30 Conductor #16 AWG, Stranded, Type TC Control Cable..... For Work In Restricted Working Space, Add	6,795.40 1,004.64	2,009.29
26 05 19 16-0508 MLF 37 Conductor #16 AWG, Stranded, Type TC Control Cable..... For Work In Restricted Working Space, Add	8,169.46 1,174.17	2,348.35
26 05 19 16-0509 MLF 2 Conductor #14 AWG, Stranded, Type TC Control Cable..... For Work In Restricted Working Space, Add	1,299.98 285.98	571.97
26 05 19 16-0510 MLF 3 Conductor #14 AWG, Stranded, Type TC Control Cable..... For Work In Restricted Working Space, Add	1,554.96 321.69	643.39
26 05 19 16-0511 MLF 4 Conductor #14 AWG, Stranded, Type TC Control Cable..... For Work In Restricted Working Space, Add	1,823.86 367.69	735.39
26 05 19 16-0512 MLF 5 Conductor #14 AWG, Stranded, Type TC Control Cable..... For Work In Restricted Working Space, Add	2,054.19 396.00	792.01
26 05 19 16-0513 MLF 7 Conductor #14 AWG, Stranded, Type TC Control Cable..... For Work In Restricted Working Space, Add	2,739.78 485.43	970.87
26 05 19 16-0514 MLF 9 Conductor #14 AWG, Stranded, Type TC Control Cable..... For Work In Restricted Working Space, Add	3,160.74 536.26	1,072.30
26 05 19 16-0515 MLF 12 Conductor #14 AWG, Stranded, Type TC Control Cable..... For Work In Restricted Working Space, Add	3,884.33 598.35	1,196.70
26 05 19 16-0516 MLF 15 Conductor #14 AWG, Stranded, Type TC Control Cable..... For Work In Restricted Working Space, Add	4,639.61 714.80	1,429.39
26 05 19 16-0517 MLF 19 Conductor #14 AWG, Stranded, Type TC Control Cable..... For Work In Restricted Working Space, Add	7,879.72 830.29	1,661.01
26 05 19 16-0518 MLF 25 Conductor #14 AWG, Stranded, Type TC Control Cable..... For Work In Restricted Working Space, Add	6,962.59 971.19	1,941.94
26 05 19 16-0519 MLF 30 Conductor #14 AWG, Stranded, Type TC Control Cable..... For Work In Restricted Working Space, Add	8,097.45 1,085.07	2,170.13
26 05 19 16-0520 MLF 37 Conductor #14 AWG, Stranded, Type TC Control Cable..... For Work In Restricted Working Space, Add	9,759.25 1,268.11	2,536.22

26 Electrical**26 05 Common Work Results for Electrical****26 05 19 Low-Voltage Electrical Power Conductors and Cables**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 05 19 16-0521	MLF 2 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	1,517.09 306.25		612.51
26 05 19 16-0522	MLF 3 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	1,815.74 338.74		677.70
26 05 19 16-0523	MLF 4 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	2,210.57 389.89		779.79
26 05 19 16-0524	MLF 5 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	2,504.95 414.98		829.97
26 05 19 16-0525	MLF 7 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	3,307.92 494.76		989.53
26 05 19 16-0526	MLF 9 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	4,084.02 584.84		1,169.67
26 05 19 16-0527	MLF 12 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	4,972.88 659.79		1,319.58
26 05 19 16-0528	MLF 15 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	5,922.14 756.94		1,513.88
26 05 19 16-0529	MLF 19 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	7,006.62 857.95		1,715.90
26 05 19 16-0530	MLF 25 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	8,984.72 1,002.71		2,005.43
26 05 19 16-0531	MLF 30 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	10,403.22 1,171.92		2,343.85
26 05 19 16-0532	MLF 37 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	12,587.59 1,369.76		2,739.52
26 05 19 16-0533	MLF 2 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	1,813.28 321.69		643.39
26 05 19 16-0534	MLF 3 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	2,269.73 352.58		705.58
26 05 19 16-0535	MLF 4 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	2,767.97 402.12		804.23
26 05 19 16-0536	MLF 5 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	3,221.52 436.21		872.43
26 05 19 16-0537	MLF 7 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	4,367.52 547.52		1,095.04
26 05 19 16-0538	MLF 9 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	5,183.43 612.83		1,225.64
26 05 19 16-0539	MLF 12 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	6,039.99 714.80		1,429.60
26 05 19 16-0540	MLF 15 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	7,143.43 817.42		1,634.84
26 05 19 16-0541	MLF 19 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	8,479.05 926.47		1,852.95
26 05 19 16-0542	MLF 25 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	10,944.43 1,082.82		2,165.63
26 05 19 16-0543	MLF 30 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	12,664.31 1,265.54		2,531.07
26 05 19 16-0544	MLF 37 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	15,359.75 1,479.46		2,958.92
26 05 19 16-0545	ACSR (Aluminum Conductor Steel Reinforced) (26 05 19 16-0011) Note: Concentric lay stranded Class A galvanizing installed on poles, aerially.			
26 05 19 16-0546	ACSR Cable (26 05 19 16-0545)			
26 05 19 16-0547	MLF #4 AWG, ACSR Cable Swan 6/1, Aluminum Cable, Installed On Poles (Aerial).....	1,821.80		533.22
26 05 19 16-0548	MLF #4 AWG, ACSR Cable Swanate 7/1, Aluminum Cable, Installed On Poles (Aerial).....	1,961.33		553.67
26 05 19 16-0549	MLF #2 AWG, ACSR Cable Sparrow 6/1, Aluminum Cable, Installed On Poles (Aerial).....	2,165.84		574.98
26 05 19 16-0550	MLF #2 AWG, ACSR Cable Sparate 7/1, Aluminum Cable, Installed On Poles (Aerial).....	2,305.55		595.81
26 05 19 16-0551	MLF 1/0 AWG, ACSR Cable Raven 6/1, Aluminum Cable, Installed On Poles (Aerial).....	2,664.78		616.01
26 05 19 16-0552	MLF 2/0 AWG, ACSR Cable Quail 6/1, Aluminum Cable, Installed On Poles (Aerial).....	3,144.16		698.32
26 05 19 16-0553	MLF 3/0 AWG, ACSR Cable Pigeon 6/1, Aluminum Cable, Installed On Poles (Aerial).....	3,695.11		778.77
26 05 19 16-0554	MLF 4/0 AWG, ACSR Cable Penguin 6/1, Aluminum Cable, Installed On Poles (Aerial).....	4,321.43		860.33
26 05 19 16-0555	MLF 336 AWG ACSR Cable Merlin 18/1, Aluminum Cable, Installed On Poles (Aerial).....	4,864.14		1,105.62
26 05 19 16-0556	MLF 477 AWG, ACSR Cable Hawk 26/1, Aluminum Cable, Installed On Poles (Aerial).....	5,511.37		1,268.25
26 05 19 16-0557	All Aluminum Conductors (26 05 19 16-0545)			
26 05 19 16-0558	MLF 795.0 ACSR Conductor Aluminum	36,618.38		10,431.67
26 05 19 16-0559	Single Conductor Installed On Poles (26 05 19 16-0011)			
26 05 19 16-0560	Bare Stranded Conductor (26 05 19 16-0559)			
26 05 19 16-0561	MLF #12 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	1,339.32		451.79
26 05 19 16-0562	MLF #10 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	1,565.34		492.45
26 05 19 16-0563	MLF #8 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	1,792.69		533.59
26 05 19 16-0564	MLF #6 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	2,187.99		574.98
26 05 19 16-0565	MLF #4 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	2,651.72		616.51
26 05 19 16-0566	MLF #2 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	3,782.81		739.46
26 05 19 16-0567	MLF #1 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	4,344.06		821.40
26 05 19 16-0568	MLF 1/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	4,953.58		901.85
26 05 19 16-0569	MLF 2/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	6,628.68		1,069.65
26 05 19 16-0570	MLF 3/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	8,036.70		1,229.81
26 05 19 16-0571	MLF 4/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	8,633.74		1,393.80
26 05 19 16-0572	MLF 250 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	10,915.89		1,642.67
26 05 19 16-0573	MLF 300 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	11,171.32		1,729.15
26 05 19 16-0574	MLF 350 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	13,911.06		1,810.84

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0575	MLF	400 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	15,360.88	1,885.13
26 05 19 16-0576	MLF	500 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	17,883.43	1,965.58
26 05 19 16-0577 Insulated Stranded Conductor (26 05 19 16-0559)				
26 05 19 16-0578	MLF	#12 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	1,444.21	451.79
26 05 19 16-0579	MLF	#10 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	1,700.68	492.45
26 05 19 16-0580	MLF	#8 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	2,059.87	533.59
26 05 19 16-0581	MLF	#6 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	2,238.57	574.98
26 05 19 16-0582	MLF	#4 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	2,728.88	616.51
26 05 19 16-0583	MLF	#2 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	3,671.38	739.46
26 05 19 16-0584	MLF	#1 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	4,332.94	821.40
26 05 19 16-0585	MLF	1/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	5,108.72	901.85
26 05 19 16-0586	MLF	2/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	6,152.23	1,069.65
26 05 19 16-0587	MLF	3/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	7,372.59	1,229.81
26 05 19 16-0588	MLF	4/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	8,685.55	1,393.80
26 05 19 16-0589	MLF	250 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	10,598.90	1,642.67
26 05 19 16-0590	MLF	300 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	12,010.39	1,729.15
26 05 19 16-0591	MLF	350 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	13,162.58	1,810.84
26 05 19 16-0592	MLF	400 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	14,740.30	1,885.13
26 05 19 16-0593	MLF	500 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	16,563.46	1,965.58
26 05 19 16-0594 Bare Solid Conductor (26 05 19 16-0559)				
26 05 19 16-0595	MLF	#12 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles.....	1,339.32	451.79
26 05 19 16-0596	MLF	#8 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles.....	1,792.69	533.59
26 05 19 16-0597	MLF	#6 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles.....	2,187.99	574.98
26 05 19 16-0598	MLF	#4 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles.....	2,619.84	616.51
26 05 19 16-0599 Multi-Conductor Cords, Cables And Associated Equipment (26 05 19 16-0011)				
26 05 19 16-0600 Multi-Conductor Cords (26 05 19 16-0599)				
Note: Includes installation in cable tray, surface mounting or installation between junction boxes. Excludes strain relief devices, plugs and connector bodies.				
26 05 19 16-0601 Multi-Conductor Type SOOW And SJOOW Cord (26 05 19 16-0600)				
Note: Includes ethylene propylene diene monomer (EPDM) rubber insulation.				
26 05 19 16-0602 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (26 05 19 16-0601)				
26 05 19 16-0603 #18 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (26 05 19 16-0602)				
26 05 19 16-0604	LF	2 Conductors, #18 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.06	0.47
26 05 19 16-0605	LF	3 Conductors, #18 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.10	0.47
26 05 19 16-0606	LF	4 Conductors, #18 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.20	0.47
26 05 19 16-0607 #16 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (26 05 19 16-0602)				
26 05 19 16-0608	LF	2 Conductors, #16 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.24	0.47
26 05 19 16-0609	LF	3 Conductors, #16 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.30	0.47
26 05 19 16-0610	LF	4 Conductors, #16 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.38	0.47
26 05 19 16-0611 #14 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (26 05 19 16-0602)				
26 05 19 16-0612	LF	2 Conductors, #14 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.35	0.47
26 05 19 16-0613	LF	3 Conductors, #14 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.45	0.47
26 05 19 16-0614	LF	4 Conductors, #14 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.63	0.47
26 05 19 16-0615 #12 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (26 05 19 16-0602)				
26 05 19 16-0616	LF	2 Conductors, #12 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.51	0.47
26 05 19 16-0617	LF	3 Conductors, #12 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.62	0.47
26 05 19 16-0618	LF	4 Conductors, #12 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.78	0.47
26 05 19 16-0619 #10 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (26 05 19 16-0602)				
26 05 19 16-0620	LF	2 Conductors, #10 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.88	0.59
26 05 19 16-0621	LF	3 Conductors, #10 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.96	0.59
26 05 19 16-0622	LF	4 Conductors, #10 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	2.08	0.59
26 05 19 16-0623 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0601)				
26 05 19 16-0624 #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0623)				
26 05 19 16-0625	LF	2 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.10	0.47
26 05 19 16-0626	LF	3 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.17	0.47
26 05 19 16-0627	LF	4 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.26	0.47
26 05 19 16-0628	LF	5 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.04	0.63
26 05 19 16-0629	LF	6 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.20	0.65

26 Electrical**26 05 Common Work Results for Electrical****26 05 19 Low-Voltage Electrical Power Conductors and Cables**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 19 16-0630	LF	7 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.33	0.67
26 05 19 16-0631	LF	8 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.53	0.69
26 05 19 16-0632	LF	10 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.87	0.72
26 05 19 16-0633	LF	12 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.23	0.74
26 05 19 16-0634	LF	14 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.14	0.76
26 05 19 16-0635	LF	16 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.22	0.77
26 05 19 16-0636	LF	18 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.33	0.79
26 05 19 16-0637	LF	20 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.78	0.81
26 05 19 16-0638	LF	24 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.92	0.83
26 05 19 16-0639	LF	30 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.18	0.88

26 05 19 16-0640 #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord

(26 05 19 16-0623)

26 05 19 16-0641	LF	2 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.30	0.47
26 05 19 16-0642	LF	3 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.36	0.47
26 05 19 16-0643	LF	4 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.47	0.47
26 05 19 16-0644	LF	5 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.11	0.63
26 05 19 16-0645	LF	6 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.30	0.65
26 05 19 16-0646	LF	7 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.49	0.67
26 05 19 16-0647	LF	8 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.73	0.69
26 05 19 16-0648	LF	9 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.84	0.70
26 05 19 16-0649	LF	10 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.12	0.72
26 05 19 16-0650	LF	12 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.59	0.74
26 05 19 16-0651	LF	14 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.83	0.76
26 05 19 16-0652	LF	16 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.28	0.77
26 05 19 16-0653	LF	18 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.89	0.79
26 05 19 16-0654	LF	20 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.44	0.81
26 05 19 16-0655	LF	24 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.49	0.83
26 05 19 16-0656	LF	26 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	7.10	0.84
26 05 19 16-0657	LF	30 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	8.20	0.88

26 05 19 16-0658 #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord

(26 05 19 16-0623)

26 05 19 16-0659	LF	2 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.46	0.47
26 05 19 16-0660	LF	3 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.53	0.47
26 05 19 16-0661	LF	4 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.70	0.47
26 05 19 16-0662	LF	5 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.64	0.63
26 05 19 16-0663	LF	6 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.10	0.65
26 05 19 16-0664	LF	7 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.27	0.67
26 05 19 16-0665	LF	8 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.64	0.69
26 05 19 16-0666	LF	9 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.90	0.70
26 05 19 16-0667	LF	10 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.32	0.72
26 05 19 16-0668	LF	12 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.72	0.74
26 05 19 16-0669	LF	14 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.18	0.76
26 05 19 16-0670	LF	16 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.15	0.77
26 05 19 16-0671	LF	20 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.87	0.81
26 05 19 16-0672	LF	24 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	8.03	0.83
26 05 19 16-0673	LF	30 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	9.44	0.88

26 05 19 16-0674 #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord

(26 05 19 16-0623)

26 05 19 16-0675	LF	2 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.63	0.47
26 05 19 16-0676	LF	3 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.76	0.47
26 05 19 16-0677	LF	4 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.88	0.47
26 05 19 16-0678	LF	5 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.97	0.63
26 05 19 16-0679	LF	6 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.40	0.65
26 05 19 16-0680	LF	7 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.84	0.67
26 05 19 16-0681	LF	8 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.31	0.69
26 05 19 16-0682	LF	9 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.65	0.70
26 05 19 16-0683	LF	10 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.23	0.72

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0684	LF	12 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.91	0.74
26 05 19 16-0685	LF	14 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.54	0.76
26 05 19 16-0686	LF	16 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	7.17	0.77
26 05 19 16-0687	LF	18 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	7.48	0.79
26 05 19 16-0688	LF	20 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	8.57	0.81
26 05 19 16-0689	LF	24 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	9.68	0.83
26 05 19 16-0690	LF	26 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	10.80	0.84
26 05 19 16-0691	LF	28 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	11.15	0.86
26 05 19 16-0692	LF	30 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	11.55	0.88
26 05 19 16-0693 #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord				
(26 05 19 16-0623)				
26 05 19 16-0694	LF	2 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.85	0.59
26 05 19 16-0695	LF	3 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.96	0.59
26 05 19 16-0696	LF	4 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	2.07	0.59
26 05 19 16-0697	LF	5 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.62	0.63
26 05 19 16-0698	LF	6 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.08	0.65
26 05 19 16-0699	LF	7 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.74	0.67
26 05 19 16-0700	LF	10 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.04	0.72
26 05 19 16-0701	LF	12 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.87	0.74
26 05 19 16-0702	LF	16 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	8.67	0.77
26 05 19 16-0703	LF	20 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	12.44	0.81
26 05 19 16-0704 #8 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord				
(26 05 19 16-0623)				
26 05 19 16-0705	LF	3 Conductors, #8 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	3.50	0.70
26 05 19 16-0706	LF	4 Conductors, #8 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	3.78	0.82
26 05 19 16-0707	LF	5 Conductors, #8 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	5.00	0.82
26 05 19 16-0708 #6 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord				
(26 05 19 16-0623)				
26 05 19 16-0709	LF	3 Conductors, #6 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	4.85	0.82
26 05 19 16-0710	LF	4 Conductors, #6 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	5.84	0.94
26 05 19 16-0711	LF	5 Conductors, #6 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	7.01	1.17
26 05 19 16-0712 #4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord				
(26 05 19 16-0623)				
26 05 19 16-0713	LF	3 Conductors, #4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	7.64	1.17
26 05 19 16-0714	LF	4 Conductors, #4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	8.36	1.29
26 05 19 16-0715	LF	5 Conductors, #4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	10.01	1.41
26 05 19 16-0716 #2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord				
(26 05 19 16-0623)				
26 05 19 16-0717	LF	3 Conductors, #2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	11.87	2.35
26 05 19 16-0718	LF	4 Conductors, #2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	15.08	2.94
26 05 19 16-0719	LF	5 Conductors, #2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	18.50	3.87
26 05 19 16-0720 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord				
(26 05 19 16-0601)				
26 05 19 16-0721 #18 AWG, 300 Volt, Multi-Conductor Type SJOOW Cord				
(26 05 19 16-0720)				
26 05 19 16-0722	LF	2 Conductors, #18 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	1.39	0.47
26 05 19 16-0723	LF	3 Conductors, #18 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	1.49	0.47
26 05 19 16-0724	LF	4 Conductors, #18 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	1.69	0.47
26 05 19 16-0725 #16 AWG, 300 Volt, Multi-Conductor Type SJOOW Cord				
(26 05 19 16-0720)				
26 05 19 16-0726	LF	2 Conductors, #16 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	1.45	0.47
26 05 19 16-0727	LF	3 Conductors, #16 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	1.62	0.47
26 05 19 16-0728	LF	4 Conductors, #16 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	1.70	0.47
26 05 19 16-0729 #14 AWG, 300 Volt, Multi-Conductor Type SJOOW Cord				
(26 05 19 16-0720)				

26 Electrical**26 05 Common Work Results for Electrical****26 05 19 Low-Voltage Electrical Power Conductors and Cables**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 05 19 16-0730	LF	2 Conductors, #14 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	1.87	0.47	
26 05 19 16-0731	LF	3 Conductors, #14 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	2.56	0.47	
26 05 19 16-0732	LF	4 Conductors, #14 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	3.20	0.59	
26 05 19 16-0733		600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0601)			
26 05 19 16-0734		#18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0733)			
26 05 19 16-0735	LF	2 Conductors, #18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	1.82	0.47	
26 05 19 16-0736	LF	3 Conductors, #18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	2.11	0.47	
26 05 19 16-0737	LF	4 Conductors, #18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	2.41	0.47	
26 05 19 16-0738		#16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0733)			
26 05 19 16-0739	LF	2 Conductors, #16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	1.92	0.47	
26 05 19 16-0740	LF	3 Conductors, #16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	2.22	0.47	
26 05 19 16-0741	LF	4 Conductors, #16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	2.68	0.47	
26 05 19 16-0742	LF	5 Conductors, #16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	2.90	0.59	
26 05 19 16-0743		#14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0733)			
26 05 19 16-0744	LF	3 Conductors, #14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	2.29	0.47	
26 05 19 16-0745	LF	4 Conductors, #14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	2.67	0.47	
26 05 19 16-0746	LF	5 Conductors, #14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	2.96	0.59	
26 05 19 16-0747		#12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0733)			
26 05 19 16-0748	LF	3 Conductors, #12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	2.64	0.47	
26 05 19 16-0749	LF	4 Conductors, #12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	2.98	0.47	
26 05 19 16-0750	LF	5 Conductors, #12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	3.31	0.59	
26 05 19 16-0751		#10 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0733)			
26 05 19 16-0752	LF	3 Conductors, #10 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	3.00	0.59	
26 05 19 16-0753	LF	4 Conductors, #10 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	3.30	0.59	
26 05 19 16-0754	LF	5 Conductors, #10 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	3.63	0.59	
26 05 19 16-0755		Multi-Conductor Type SEOW Cord (26 05 19 16-0600) Note: Includes thermoplastic elastomeric (TPE) insulation.			
26 05 19 16-0756		600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord (26 05 19 16-0755)			
26 05 19 16-0757		#16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord (26 05 19 16-0756)			
26 05 19 16-0758	LF	3 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	1.46	0.47	
26 05 19 16-0759	LF	4 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	1.58	0.47	
26 05 19 16-0760	LF	5 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	2.24	0.59	
26 05 19 16-0761		#14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord (26 05 19 16-0756)			
26 05 19 16-0762	LF	3 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	1.81	0.47	
26 05 19 16-0763	LF	4 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	2.03	0.47	
26 05 19 16-0764	LF	5 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	2.79	0.59	
26 05 19 16-0765		#12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord (26 05 19 16-0756)			
26 05 19 16-0766	LF	3 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	2.17	0.47	
26 05 19 16-0767	LF	4 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	2.46	0.47	
26 05 19 16-0768	LF	5 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	3.02	0.59	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0769 #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord (26 05 19 16-0756)		
26 05 19 16-0770 LF 3 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	2.68	0.59
26 05 19 16-0771 LF 4 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	3.02	0.59
26 05 19 16-0772 LF 5 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	3.24	0.59
26 05 19 16-0773 Multi-Conductor Type W Cord (26 05 19 16-0600) Note: Includes ethylene propylene diene monomer (EPDM) rubber insulation.		
26 05 19 16-0774 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (26 05 19 16-0773)		
26 05 19 16-0775 #8 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (26 05 19 16-0774)		
26 05 19 16-0776 LF 3 Conductors, #8 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	3.79	0.70
26 05 19 16-0777 LF 4 Conductors, #8 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	4.05	0.82
26 05 19 16-0778 LF 5 Conductors, #8 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	4.73	0.82
26 05 19 16-0779 #6 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (26 05 19 16-0774)		
26 05 19 16-0780 LF 3 Conductors, #6 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	4.08	0.82
26 05 19 16-0781 LF 4 Conductors, #6 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	4.85	0.94
26 05 19 16-0782 LF 5 Conductors, #6 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	6.01	1.17
26 05 19 16-0783 #4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (26 05 19 16-0774)		
26 05 19 16-0784 LF 3 Conductors, #4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	5.34	0.82
26 05 19 16-0785 LF 4 Conductors, #4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	6.31	0.94
26 05 19 16-0786 LF 5 Conductors, #4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	8.05	1.17
26 05 19 16-0787 Cord Grips, Cable Reels, Extension Cords, And Accessories (26 05 19 16-0599)		
26 05 19 16-0788 Cord Grips (26 05 19 16-0787)		
26 05 19 16-0789 EA Cord Grip With Watertight Connector For 1/2" NPT Zinc Plated Steel.....	74.91	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.34	
26 05 19 16-0790 EA Cord Grip With Watertight Connector For 3/4" NPT Zinc Plated Steel.....	75.33	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.34	
26 05 19 16-0791 Cable Reels (26 05 19 16-0787) Note: Includes handling, mounting, electrical connections and installing cord.		
26 05 19 16-0792 EA 30', 16-3, SJO, Extension Cord Reel (Cox Reels PC10-3016-A).....	646.40	58.68
26 05 19 16-0793 EA 50', 10-4, SEOW, Extension Cord Reel (Reelcraft L 7050 104 X 1).....	1,783.06	58.68
26 05 19 16-0794 EA 50', 16-3, SOOW, Extension Cord Reel (KH Industries RTFD3L-WW-B16K).....	1,333.75	58.68
26 05 19 16-0795 Extension Cords For Cable Reel (26 05 19 16-0787)		
26 05 19 16-0796 EA 100 LF, 120 Volt, 12 Gauge, 3 Wire, Extension Cord.....	210.22	
26 05 19 16-0797 EA 100 LF, 240 Volt, 10 Gauge, 3 Wire, Extension Cord.....	300.31	
26 05 19 16-0798 Plugs And Connector Bodies (26 05 19 16-0787) Note: Up to 277 volt		
26 05 19 16-0799 NEMA Twist-Lock Plugs (26 05 19 16-0798)		
26 05 19 16-0800 EA 15 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Plug (Hubbell HBL7545C).....	78.01	
26 05 19 16-0801 EA 15 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL4770CBK).....	79.49	
26 05 19 16-0802 EA 20 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Plug (Hubbell HBL7102C).....	73.24	
26 05 19 16-0803 EA 20 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL2331).....	77.82	
26 05 19 16-0804 EA 20 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2411).....	99.31	
26 05 19 16-0805 EA 20 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2441).....	105.14	
26 05 19 16-0806 EA 20 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Plug (Hubbell HBL2511BK).....	110.83	
26 05 19 16-0807 EA 30 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL2611BK).....	100.18	
26 05 19 16-0808 EA 30 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2711BK).....	114.18	
26 05 19 16-0809 EA 30 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2761).....	116.90	
26 05 19 16-0810 EA 30 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Plug (Hubbell HBL2811BK).....	120.37	
26 05 19 16-0811 NEMA Twist-Lock Connector Bodies (26 05 19 16-0798)		
26 05 19 16-0812 EA 15 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL7506C).....	82.22	
26 05 19 16-0813 EA 15 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL4779C).....	87.48	
26 05 19 16-0814 EA 20 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL7101C).....	76.39	
26 05 19 16-0815 EA 20 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2323BK).....	100.18	
26 05 19 16-0816 EA 20 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2413BK).....	115.54	
26 05 19 16-0817 EA 20 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2443).....	122.97	
26 05 19 16-0818 EA 20 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2513BK).....	148.00	
26 05 19 16-0819 EA 30 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2623BK).....	141.68	
26 05 19 16-0820 EA 30 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2713BK).....	173.02	
26 05 19 16-0821 EA 30 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2753).....	181.32	
26 05 19 16-0822 EA 30 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2813BK).....	172.28	

26 Electrical**26 05 Common Work Results for Electrical****26 05 19 Low-Voltage Electrical Power Conductors and Cables**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
26 05 19 16-0823 Watertight Pin And Sleeve Plug (26 05 19 16-0798)

26 05 19 16-0824	EA	20 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P4W).....	271.70	35.21
26 05 19 16-0825	EA	20 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P6W).....	274.62	35.21
26 05 19 16-0826	EA	20 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P7W).....	297.29	35.21
26 05 19 16-0827	EA	20 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P12W).....	297.51	38.73
26 05 19 16-0828	EA	20 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P9W).....	293.11	38.73
26 05 19 16-0829	EA	20 Amperes, Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P7W).....	294.42	38.73
26 05 19 16-0830	EA	30 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P4W).....	415.29	43.31
26 05 19 16-0831	EA	30 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P6W).....	404.34	43.31
26 05 19 16-0832	EA	30 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P7W).....	451.38	43.31
26 05 19 16-0833	EA	30 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P12W).....	443.08	47.54
26 05 19 16-0834	EA	30 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P9W).....	424.06	47.54
26 05 19 16-0835	EA	30 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P7W).....	437.14	47.54
26 05 19 16-0836	EA	60 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P4W).....	564.47	56.34
26 05 19 16-0837	EA	60 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P6W).....	574.90	56.34
26 05 19 16-0838	EA	60 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P7W).....	550.17	56.34
26 05 19 16-0839	EA	60 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P12W).....	626.68	62.67
26 05 19 16-0840	EA	60 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P9W).....	610.45	62.67
26 05 19 16-0841	EA	60 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P7W).....	617.47	62.67
26 05 19 16-0842	EA	100 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 3100P6W).....	775.19	70.42
26 05 19 16-0843	EA	100 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 3100P7W).....	815.47	70.42
26 05 19 16-0844	EA	100 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P12W).....	794.34	77.47
26 05 19 16-0845	EA	100 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P9W).....	780.58	77.47
26 05 19 16-0846	EA	100 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P7W).....	788.01	77.47

26 05 19 16-0847 Watertight Pin And Sleeve Connector (26 05 19 16-0798)

26 05 19 16-0848	EA	20 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C4W).....	288.49	35.21
26 05 19 16-0849	EA	20 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C6W).....	290.51	35.21
26 05 19 16-0850	EA	20 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C7W).....	342.71	35.21
26 05 19 16-0851	EA	20 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C12W).....	339.81	38.73
26 05 19 16-0852	EA	20 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C9W).....	334.51	38.73
26 05 19 16-0853	EA	20 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C7W).....	339.30	38.73
26 05 19 16-0854	EA	30 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C4W).....	425.32	43.31
26 05 19 16-0855	EA	30 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C6W).....	425.21	43.31
26 05 19 16-0856	EA	30 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C7W).....	443.22	43.31
26 05 19 16-0857	EA	30 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C12W).....	438.19	47.54
26 05 19 16-0858	EA	30 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C9W).....	441.90	47.54
26 05 19 16-0859	EA	30 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C7W).....	437.98	47.54
26 05 19 16-0860	EA	60 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C4W).....	667.36	56.34
26 05 19 16-0861	EA	60 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C6W).....	645.31	56.34
26 05 19 16-0862	EA	60 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C7W).....	632.17	56.34
26 05 19 16-0863	EA	60 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C12W).....	687.92	62.67
26 05 19 16-0864	EA	60 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C9W).....	707.08	62.67
26 05 19 16-0865	EA	60 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C7W).....	708.49	62.67
26 05 19 16-0866	EA	100 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 3100C6W).....	888.05	70.42
26 05 19 16-0867	EA	100 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 3100C7W).....	913.34	70.42
26 05 19 16-0868	EA	100 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C12W).....	986.83	77.47
26 05 19 16-0869	EA	100 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C9W).....	952.09	77.47
26 05 19 16-0870	EA	100 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C7W).....	963.93	77.47

26 05 19 16-0871 Accessories (26 05 19 16-0787)

26 05 19 16-0872	EA	1/2" Straight Steel Cord Connector.....	62.89	11.74
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>7.04</i>	
26 05 19 16-0873	EA	1/2" Straight Nylon Cord Connector.....	37.32	8.80
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>5.28</i>	
26 05 19 16-0874	EA	1/2" 90 Degree Steel Cord Connector.....	71.71	14.67
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>8.81</i>	
26 05 19 16-0875	EA	1/2" 90 Degree Nylon Cord Connector.....	44.65	11.74
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>7.04</i>	
26 05 19 16-0876	EA	1/2" Straight Steel Cord Connector With Strain Relief Mesh.....	70.74	14.67
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>8.81</i>	
26 05 19 16-0877	EA	1/2" 90 Degree Steel Cord Connector With Strain Relief Mesh.....	124.17	17.61
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>10.56</i>	
26 05 19 16-0878	EA	1/2" Straight Nylon Cord Connector With Strain Relief Mesh.....	43.89	11.74
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>7.04</i>	
26 05 19 16-0879	EA	1/2" 90 Degree Nylon Cord Connector With Strain Relief Mesh.....	75.30	14.67
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>8.81</i>	
26 05 19 16-0880	EA	3/4" Straight Steel Cord Connector.....	65.66	11.74
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>7.04</i>	
26 05 19 16-0881	EA	3/4" Straight Nylon Cord Connector.....	38.70	8.80
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>5.28</i>	
26 05 19 16-0882	EA	3/4" 90 Degree Steel Cord Connector.....	80.37	14.67
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>8.80</i>	
26 05 19 16-0883	EA	3/4" 90 Degree Nylon Cord Connector.....	48.98	11.74
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>7.04</i>	
26 05 19 16-0884	EA	3/4" Straight Steel Cord Connector With Strain Relief Mesh.....	79.51	17.61
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>10.56</i>	
26 05 19 16-0885	EA	3/4" 90 Degree Steel Cord Connector With Strain Relief Mesh.....	94.66	20.54
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>12.32</i>	
26 05 19 16-0886	EA	3/4" Straight Nylon Cord Connector With Strain Relief Mesh.....	52.69	14.67
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>8.81</i>	
26 05 19 16-0887	EA	3/4" 90 Degree Nylon Cord Connector With Strain Relief Mesh.....	63.66	17.61
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>10.56</i>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0888	EA		1" Straight Steel Cord Connector.....	83.46	11.74
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.04	
26 05 19 16-0889	EA		1" Straight Nylon Cord Connector.....	47.60	8.80
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.28	
26 05 19 16-0890	EA		1" 90 Degree Steel Cord Connector.....	92.13	14.67
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.80	
26 05 19 16-0891	EA		1" 90 Degree Nylon Cord Connector.....	54.86	11.74
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.04	
26 05 19 16-0892	EA		1" Straight Steel Cord Connector With Strain Relief Mesh.....	98.20	17.61
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.56	
26 05 19 16-0893	EA		1" 90 Degree Steel Cord Connector With Strain Relief Mesh.....	107.00	20.54
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.32	
26 05 19 16-0894	EA		1" Straight Nylon Cord Connector With Strain Relief Mesh.....	62.17	14.67
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.81	
26 05 19 16-0895	EA		1" 90 Degree Nylon Cord Connector With Strain Relief Mesh.....	71.68	17.61
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.56	

26 05 23 Control-Voltage Electrical Power Cables (26 05)

26 05 23 00-0001 Cable For HVAC System Controls (26 05 23)
 26 05 23 00-0002 Low Voltage Thermostat Cable To 300 Volt (26 05 23 00-0001)
 Note: For surface or conduit installation.

26 05 23 00-0003	MLF	#20/2 Conductor, Low Volt Thermostat Cable.....	463.98	136.72
26 05 23 00-0004	MLF	#20/3 Conductor, Low Volt Thermostat Cable.....	529.50	144.01
26 05 23 00-0005	MLF	#20/4 Conductor, Low Volt Thermostat Cable.....	573.83	152.27
26 05 23 00-0006	MLF	#20/5 Conductor, Low Volt Thermostat Cable.....	687.22	158.71
26 05 23 00-0007	MLF	#20/6 Conductor, Low Volt Thermostat Cable.....	720.41	166.21
26 05 23 00-0008	MLF	#20/7 Conductor, Low Volt Thermostat Cable.....	792.62	173.12
26 05 23 00-0009	MLF	#20/8 Conductor, Low Volt Thermostat Cable.....	855.35	180.04
26 05 23 00-0010	MLF	#20/9 Conductor, Low Volt Thermostat Cable.....	928.53	187.22
26 05 23 00-0011	MLF	#20/10 Conductor, Low Volt Thermostat Cable.....	998.83	192.85
26 05 23 00-0012	MLF	#18/2 Conductor, Low Volt Thermostat Cable.....	503.71	136.72
26 05 23 00-0013	MLF	#18/3 Conductor, Low Volt Thermostat Cable.....	600.38	144.01
26 05 23 00-0014	MLF	#18/4 Conductor, Low Volt Thermostat Cable.....	686.28	152.27
26 05 23 00-0015	MLF	#18/5 Conductor, Low Volt Thermostat Cable.....	733.64	158.71
26 05 23 00-0016	MLF	#18/6 Conductor, Low Volt Thermostat Cable.....	813.66	166.21
26 05 23 00-0017	MLF	#18/7 Conductor, Low Volt Thermostat Cable.....	835.44	173.12
26 05 23 00-0018	MLF	#18/8 Conductor, Low Volt Thermostat Cable.....	920.69	180.04
26 05 23 00-0019	MLF	#18/9 Conductor, Low Volt Thermostat Cable.....	1,085.31	187.22
26 05 23 00-0020	MLF	#18/10 Conductor, Low Volt Thermostat Cable.....	1,192.20	192.85

26 05 26 Grounding and Bonding for Electrical Systems (26 05)

26 05 26 00-0001 Conductors, Straps And Conduit Jumpers (26 05 26)
 26 05 26 00-0002 Single Conductor (26 05 26 00-0001)
 26 05 26 00-0003 Copper Bare Stranded Conductors (26 05 26 00-0002)

26 05 26 00-0004	MLF	12 AWG Copper Bare Single Stranded Conductor.....	603.55	222.95
26 05 26 00-0005	MLF	10 AWG Copper Bare Single Stranded Conductor.....	799.70	222.95
26 05 26 00-0006	MLF	8 AWG Copper Bare Single Stranded Conductor.....	996.75	268.57
26 05 26 00-0007	MLF	6 AWG Copper Bare Single Stranded Conductor.....	1,375.28	268.57
26 05 26 00-0008	MLF	4 AWG Copper Bare Single Stranded Conductor.....	1,850.37	324.30
26 05 26 00-0009	MLF	2 AWG Copper Bare Single Stranded Conductor.....	2,917.36	324.30
26 05 26 00-0010	MLF	1 AWG Copper Bare Single Stranded Conductor.....	3,378.31	390.17
26 05 26 00-0011	MLF	1/0 AWG Copper Bare Single Stranded Conductor.....	3,963.43	390.17
26 05 26 00-0012	MLF	2/0 AWG Copper Bare Single Stranded Conductor.....	5,560.58	491.52
26 05 26 00-0013	MLF	3/0 AWG Copper Bare Single Stranded Conductor.....	6,858.68	491.52
26 05 26 00-0014	MLF	4/0 AWG Copper Bare Single Stranded Conductor.....	7,272.26	653.67
26 05 26 00-0015	MLF	250 MCM Copper Bare Single Stranded Conductor.....	9,345.64	653.67
26 05 26 00-0016	MLF	300 MCM Copper Bare Single Stranded Conductor.....	9,373.00	755.01
26 05 26 00-0017	MLF	350 MCM Copper Bare Single Stranded Conductor.....	12,642.40	755.01
26 05 26 00-0018	MLF	500 MCM Copper Bare Single Stranded Conductor.....	17,264.81	932.36

26 05 26 00-0019 Copper Insulated Single Stranded Conductors (26 05 26 00-0002)

26 05 26 00-0020	MLF	12 AWG Copper Insulated Single Stranded Conductor.....	1,140.44	304.03
26 05 26 00-0021	MLF	10 AWG Copper Insulated Single Stranded Conductor.....	1,211.54	304.03
26 05 26 00-0022	MLF	8 AWG Copper Insulated Single Stranded Conductor.....	1,556.50	304.03
26 05 26 00-0023	MLF	6 AWG Copper Insulated Single Stranded Conductor.....	1,763.51	526.98
26 05 26 00-0024	MLF	4 AWG Copper Insulated Single Stranded Conductor.....	2,391.84	526.98
26 05 26 00-0025	MLF	2 AWG Copper Insulated Single Stranded Conductor.....	3,388.07	526.98
26 05 26 00-0026	MLF	1 AWG Copper Insulated Single Stranded Conductor.....	4,100.84	922.23
26 05 26 00-0027	MLF	1/0 AWG Copper Insulated Single Stranded Conductor.....	5,008.99	922.23
26 05 26 00-0028	MLF	2/0 AWG Copper Insulated Single Stranded Conductor.....	5,879.92	922.23
26 05 26 00-0029	MLF	3/0 AWG Copper Insulated Single Stranded Conductor.....	7,014.44	922.23
26 05 26 00-0030	MLF	4/0 AWG Copper Insulated Single Stranded Conductor.....	8,282.13	1,205.99
26 05 26 00-0031	MLF	250 MCM Copper Insulated Single Stranded Conductor.....	10,027.85	1,205.99
26 05 26 00-0032	MLF	300 MCM Copper Insulated Single Stranded Conductor.....	11,689.71	1,205.99
26 05 26 00-0033	MLF	350 MCM Copper Insulated Single Stranded Conductor.....	13,663.94	1,874.86
26 05 26 00-0034	MLF	500 MCM Copper Insulated Single Stranded Conductor.....	17,866.76	1,874.86

26 Electrical**26 05 Common Work Results for Electrical****26 05 26 Grounding and Bonding for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 26 00-0035 Copper Bare Single Solid Conductors (26 05 26 00-0002)			
26 05 26 00-0036	MLF	12 AWG Copper Bare Single Solid Conductor.....	603.55 222.95
26 05 26 00-0037	MLF	10 AWG Copper Bare Single Solid Conductor.....	799.70 222.95
26 05 26 00-0038	MLF	8 AWG Copper Bare Single Solid Conductor.....	996.75 268.57
26 05 26 00-0039	MLF	6 AWG Copper Bare Single Solid Conductor.....	1,375.28 268.57
26 05 26 00-0040	MLF	4 AWG Copper Bare Single Solid Conductor.....	1,850.37 324.30
26 05 26 00-0041	MLF	2 AWG Copper Bare Single Solid Conductor.....	2,917.36 324.30
26 05 26 00-0042	MLF	1/0 AWG Copper Bare Single Solid Conductor.....	3,963.43 390.17
26 05 26 00-0043	MLF	4/0 AWG Copper Bare Single Solid Conductor.....	7,272.26 516.85
26 05 26 00-0044 Aluminum Bare Single Stranded Conductors (26 05 26 00-0002)			
26 05 26 00-0045	MLF	8 AWG Aluminum Bare Single Stranded Conductor.....	771.43 268.57
26 05 26 00-0046	MLF	6 AWG Aluminum Bare Single Stranded Conductor.....	859.83 268.57
26 05 26 00-0047	MLF	4 AWG Aluminum Bare Single Stranded Conductor.....	997.71 324.30
26 05 26 00-0048	MLF	2 AWG Aluminum Bare Single Stranded Conductor.....	1,283.51 324.30
26 05 26 00-0049	MLF	1 AWG Aluminum Bare Single Stranded Conductor.....	1,519.19 390.17
26 05 26 00-0050	MLF	1/0 AWG Aluminum Bare Single Stranded Conductor.....	1,740.71 390.17
26 05 26 00-0051	MLF	2/0 AWG Aluminum Bare Single Stranded Conductor.....	1,997.86 491.52
26 05 26 00-0052	MLF	3/0 AWG Aluminum Bare Single Stranded Conductor.....	2,321.30 491.52
26 05 26 00-0053	MLF	4/0 AWG Aluminum Bare Single Stranded Conductor.....	2,753.91 653.67
26 05 26 00-0054	MLF	250 MCM Aluminum Bare Single Stranded Conductor.....	3,115.89 653.67
26 05 26 00-0055	MLF	300 MCM Aluminum Bare Single Stranded Conductor.....	3,794.76 755.01
26 05 26 00-0056	MLF	350 MCM Aluminum Bare Single Stranded Conductor.....	4,365.83 755.01
26 05 26 00-0057	MLF	500 MCM Aluminum Bare Single Stranded Conductor.....	5,117.76 932.36
26 05 26 00-0058 Aluminum Bare Single Solid Conductors (26 05 26 00-0002)			
26 05 26 00-0059	MLF	8 AWG Aluminum Bare Single Solid Conductor.....	771.43 268.57
26 05 26 00-0060	MLF	6 AWG Aluminum Bare Single Solid Conductor.....	859.83 268.57
26 05 26 00-0061	MLF	4 AWG Aluminum Bare Single Solid Conductor.....	997.71 324.30
26 05 26 00-0062	MLF	2 AWG Aluminum Bare Single Solid Conductor.....	1,283.51 324.30
26 05 26 00-0063	MLF	1 AWG Aluminum Bare Single Solid Conductor.....	1,478.29 516.85
26 05 26 00-0064	MLF	1/0 AWG Aluminum Bare Single Solid Conductor.....	1,740.71 516.85
26 05 26 00-0065	MLF	2/0 AWG Aluminum Bare Single Solid Conductor.....	1,896.54 491.52
26 05 26 00-0066	MLF	3/0 AWG Aluminum Bare Single Solid Conductor.....	2,117.29 491.52
26 05 26 00-0067	MLF	4/0 AWG Aluminum Bare Single Solid Conductor.....	2,753.91 653.67
26 05 26 00-0068	MLF	250 MCM Aluminum Bare Single Solid Conductor.....	3,115.89 653.67
26 05 26 00-0069	MLF	300 MCM Aluminum Bare Single Solid Conductor.....	3,794.76 755.01
26 05 26 00-0070	MLF	350 MCM Aluminum Bare Single Solid Conductor.....	4,365.83 755.01
26 05 26 00-0071	MLF	500 MCM Aluminum Bare Single Solid Conductor.....	5,117.76 932.36
26 05 26 00-0072 Aluminum Smooth Woven Conductors (26 05 26 00-0002)			
26 05 26 00-0073	LF	10 Strand x 14 AWG Smooth Weave Aluminum Conductor.....	2.87 0.81
26 05 26 00-0074	LF	16 Strand x 14 AWG Smooth Weave Aluminum Conductor.....	3.18 0.89
26 05 26 00-0075	LF	24 Strand x 14 AWG Smooth Weave Aluminum Conductor.....	3.78 1.02
26 05 26 00-0076	LF	26 Strand x 14 AWG Smooth Weave Aluminum Conductor.....	3.80 1.04
26 05 26 00-0077	LF	28 Strand x 14 AWG Smooth Weave Aluminum Conductor.....	4.00 1.09
26 05 26 00-0078 Copper Flexible Braid Connector Jumper Strap (26 05 26 00-0001)			
Note: Manufactured from flat extra flexible tinned braid. Ferrules are tin plated pure electrolytic copper with 2 holes, on each end.			
26 05 26 00-0079	EA	100 Amperes, Copper Flexible Braid Jumper Strap, 12" Length.....	137.80 29.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	17.60
26 05 26 00-0080	EA	225 Amperes, Copper Flexible Braid Jumper Strap, 12" Length.....	238.55 35.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	21.13
26 05 26 00-0081	EA	225 Amperes, Copper Flexible Braid Jumper Strap, 18" Length.....	305.86 35.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	21.13
26 05 26 00-0082	EA	225 Amperes, Copper Flexible Braid Jumper Strap, 24" Length.....	372.26 35.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	21.13
26 05 26 00-0083	EA	400 Amperes, Copper Flexible Braid Jumper Strap, 12" Length.....	321.33 38.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	26.41
26 05 26 00-0084	EA	400 Amperes, Copper Flexible Braid Jumper Strap, 18" Length.....	418.17 38.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	26.41
26 05 26 00-0085	EA	400 Amperes, Copper Flexible Braid Jumper Strap, 24" Length.....	502.31 38.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	26.41
26 05 26 00-0086	EA	600 Amperes, Copper Flexible Braid Jumper Strap, 12" Length.....	418.71 48.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	29.05
26 05 26 00-0087	EA	800 Amperes, Copper Flexible Braid Jumper Strap, 12" Length.....	503.50 58.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	35.21
26 05 26 00-0088 Bonding Jumper For Metallic Conduit (26 05 26 00-0001)			
26 05 26 00-0089	EA	1/2" To 1" Conductor, Bonding Jumper, Metallic Conduit.....	182.64 64.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	36.68
26 05 26 00-0090	EA	1-1/4" To 2" Conductor, Bonding Jumper, Metallic Conduit.....	225.01 64.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	45.14
26 05 26 00-0091	EA	2-1/2" To 4" Conductor, Bonding Jumper, Metallic Conduit.....	330.93 99.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	53.35
26 05 26 00-0092	EA	5" To 6" Conductor, Bonding Jumper, Metallic Conduit.....	490.54 99.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	65.21

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0093			Ground Rods (26 05 26)		
26 05 26 00-0094			Copper-Clad Ground Rods (26 05 26 00-0093)		
26 05 26 00-0095	EA		1/2" Diameter x 8' Long Copper-Clad Ground Rods.....	101.85	88.03
26 05 26 00-0096	EA		5/8" Diameter x 8' Long Copper-Clad Ground Rods.....	106.42	88.03
26 05 26 00-0097	EA		3/4" Diameter x 8' Long Copper-Clad Ground Rods.....	124.85	88.03
26 05 26 00-0098	EA		1/2" Diameter x 10' Long Copper-Clad Ground Rods.....	119.99	88.03
26 05 26 00-0099	EA		5/8" Diameter x 10' Long Copper-Clad Ground Rods.....	125.70	88.03
26 05 26 00-0100	EA		3/4" Diameter x 10' Long Copper-Clad Ground Rods.....	148.74	88.03
26 05 26 00-0101			Copper Grounding Shaft (26 05 26 00-0093)		
26 05 26 00-0102	EA		2-1/8" Diameter x 10' Long Copper Grounding Shaft.....	321.83	88.03
26 05 26 00-0103	EA		2-1/8" Diameter "L" Shaped; 3' Riser x 10' Horizontal Copper Grounding Shaft.....	399.61	88.03
26 05 26 00-0104	EA		2-1/8" Diameter "L" Shaped; 3' Riser x 20' Horizontal Copper Grounding Shaft.....	615.80	88.03
26 05 26 00-0105			Ground Access Wells (26 05 26 00-0093)		
26 05 26 00-0106			Precast Ground Access Wells (26 05 26 00-0105)		
26 05 26 00-0107	EA		8" Diameter x 24" Deep Precast Ground Access Well..... Note: With cast iron grate.	292.94	
26 05 26 00-0108	EA		10" Diameter x 24" Deep Precast Ground Access Well..... Note: With cast iron grate.	303.48	
26 05 26 00-0109	EA		12" Diameter x 24" Deep Precast Ground Access Well..... Note: With cast iron grate.	889.03	
26 05 26 00-0110	EA		18" Diameter x 24" Deep Precast Ground Access Well..... Note: With cast iron grate.	899.57	
26 05 26 00-0111			Polyvinyl Chloride (PVC) Ground Access Well (26 05 26 00-0105)		
26 05 26 00-0112	EA		10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well..... Note: Schedule 40 with cast iron grated cover.	580.14	
26 05 26 00-0113	EA		12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well..... Note: Schedule 40 with cast iron grated cover.	707.00	
26 05 26 00-0114	EA		18" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well..... Note: Schedule 40 with cast iron grated cover.	1,557.87	
26 05 26 00-0115	EA		10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well..... Note: Schedule 40 with flat steel cover.	439.35	
26 05 26 00-0116	EA		12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well..... Note: Schedule 40 with flat steel cover.	531.90	
26 05 26 00-0117	EA		18" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well..... Note: Schedule 40 with flat steel cover.	1,393.43	
26 05 26 00-0118	EA		8" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well..... Note: Schedule 40 with flat steel cover.	251.89	
26 05 26 00-0119	EA		10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well..... Note: Schedule 40 with flat steel cover.	347.07	
26 05 26 00-0120	EA		12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well..... Note: Schedule 40 with flat steel cover.	413.60	
26 05 26 00-0121	EA		8" Diameter x 24" Deep Schedule 40 Polyvinyl Chloride (PVC) Ground Access Well, Plastic Cover.....	204.57	
26 05 26 00-0122	EA		10" Diameter x 24" Deep Schedule 40 Polyvinyl Chloride (PVC) Ground Access Well, Plastic Cover.....	319.86	
26 05 26 00-0123	EA		8" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well..... Note: Schedule 40 with flat steel cover.	479.48	
26 05 26 00-0124	EA		10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well..... Note: Schedule 40 with flat steel cover.	662.21	
26 05 26 00-0125	EA		8" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well..... Note: Schedule 40 with plastic cover.	459.37	
26 05 26 00-0126	EA		10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well..... Note: Schedule 40 with plastic cover.	494.21	
26 05 26 00-0127	EA		10" Diameter x 36" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well..... Note: With cast iron cover, heavy-duty.	887.73	
26 05 26 00-0128	EA		10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well..... Note: With cast iron cover, heavy-duty.	1,121.23	
26 05 26 00-0129	EA		12" Diameter x 12" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well..... Note: With cast iron cover, heavy-duty.	492.59	
26 05 26 00-0130	EA		12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well..... Note: With cast iron cover, heavy-duty.	672.69	
26 05 26 00-0131	EA		12" Diameter x 30" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well..... Note: With cast iron cover, heavy-duty.	664.67	
26 05 26 00-0132			Polymer Concrete Ground Access Well (26 05 26 00-0105)		
26 05 26 00-0133	EA		12" x 12" x 12" Polymer Concrete Ground Access Well.....	560.26	
26 05 26 00-0134	EA		12" x 12" x 12" Heavy-Duty Polymer Concrete Ground Access Well.....	614.90	
26 05 26 00-0135	EA		12" x 12" x 18" Polymer Concrete Ground Access Well.....	617.53	
26 05 26 00-0136	EA		12" x 12" x 18" Heavy-Duty Polymer Concrete Ground Access Well.....	677.67	
26 05 26 00-0137	EA		12" x 12" x 24" Polymer Concrete Ground Access Well.....	677.02	
26 05 26 00-0138	EA		12" x 12" x 24" Heavy-Duty Polymer Concrete Ground Access Well.....	743.17	
26 05 26 00-0139	EA		13" x 24" x 18" Polymer Concrete Ground Access Well.....	904.37	
26 05 26 00-0140	EA		13" x 24" x 18" Heavy-Duty Polymer Concrete Ground Access Well.....	994.62	
26 05 26 00-0141			High-Density Polyethylene (HDPE) Ground Access Well (26 05 26 00-0105)		
26 05 26 00-0142	EA		9" Diameter x 10" Deep High-Density Polyethylene (HDPE) Ground Access Well..... Note: With cover.	202.58	

26 Electrical**26 05 Common Work Results for Electrical****26 05 26 Grounding and Bonding for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 05 26 00-0143	EA	14" Diameter x 18" Deep High-Density Polyethylene (HDPE) Ground Access Well Note: With cover.	282.78		
26 05 26 00-0144		Clay Tile Ground Access Wells (26 05 26 00-0105)			
26 05 26 00-0145	EA	8" Diameter x 24" Deep Clay Tile Ground Access Well With Concrete Cover	320.44		
26 05 26 00-0146	EA	8" Diameter x 24" Deep Clay Tile Ground Access Well With Cast Iron Grated Cover	337.20		
26 05 26 00-0147	EA	Concrete Cover For 8" Diameter x 24" Deep Clay Tile Ground Access Well	102.93		
26 05 26 00-0148		Ground Rod Clamps And Fittings (26 05 26)			
26 05 26 00-0149		Bronze Ground Rod Clamp (26 05 26 00-0148)			
26 05 26 00-0150	EA	1/2" Bronze Ground Rod Clamp	24.07	13.26	
26 05 26 00-0151	EA	5/8" Bronze Ground Rod Clamp	25.22	13.26	
26 05 26 00-0152	EA	3/4" Bronze Ground Rod Clamp	26.86	13.26	
26 05 26 00-0153		Bronze Pipe Clamps (26 05 26 00-0148)			
26 05 26 00-0154	EA	1/2" To 1" Bronze Pipe Ground Clamps.....	31.52	22.07	
26 05 26 00-0155	EA	1-1/4" To 2" Bronze Ground Clamps For Pipe	40.03	26.41	
26 05 26 00-0156	EA	2-1/2" To 3" Bronze Ground Clamps For Pipe	59.16	30.87	
26 05 26 00-0157	EA	2-1/2" To 4" Bronze Ground Clamps For Pipe	72.45	39.67	
26 05 26 00-0158	EA	4" To 6" Bronze Ground Clamps For Pipe	110.74	57.28	
26 05 26 00-0159		Grounding Fittings (26 05 26 00-0148)			
26 05 26 00-0160		Embedded Fittings (26 05 26 00-0159)			
26 05 26 00-0161	EA	Ground Insert With Two 3/8 x 16 Holes #2 To 250 MCM Cable Range, Embedded	162.15		
26 05 26 00-0162	EA	Ground Insert With Four 3/8 x 16 Holes #2 To 250 MCM Cable Range, Embedded	172.58		
26 05 26 00-0163	EA	Ground Insert With Four 3/8 x 16 Holes 250 To 500 MCM Cable Range, Embedded	191.09		
26 05 26 00-0164	EA	#8 To 1 AWG, Copper To Aluminum, Grounding Wire Splice.....	155.78		
26 05 26 00-0165	EA	1/0 To 3/0 AWG, Copper To Aluminum, Grounding Wire Splice.....	186.63		
26 05 26 00-0166	EA	4/0 To 300 MCM, Copper To Aluminum, Grounding Wire Splice.....	219.01		
26 05 26 00-0167	EA	350 To 500 MCM, Copper To Aluminum, Grounding Wire Splice.....	247.00		
26 05 26 00-0168		Ground Rod Receptacle (26 05 26 00-0159)			
26 05 26 00-0169	EA	1/2" Ground Rod Receptacle	350.44	122.07	
26 05 26 00-0170	EA	5/8" Ground Rod Receptacle	366.55	125.51	
26 05 26 00-0171	EA	3/4" Ground Rod Receptacle	383.02	128.92	
26 05 26 00-0172		Ground Kits For Circuit Breaker Panels (26 05 26 00-0159)			
26 05 26 00-0173	EA	14-8 AWG Copper Ground Kit	78.33	29.35	
26 05 26 00-0174	EA	12-8 AWG Aluminum Ground Kit	85.08	29.35	
26 05 26 00-0175	EA	14-4 AWG Copper Ground Kit	87.10	29.35	
26 05 26 00-0176	EA	12-4 AWG Aluminum Ground Kit	103.55	29.35	
26 05 26 00-0177		Insulated Grounding Bars (26 05 26 00-0148)			
26 05 26 00-0178	EA	1/2" x 4" x 10" Insulated Ground Bar	330.37	29.46	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	52.82		
26 05 26 00-0179	EA	Insulated Ground Bar SK 9560 1/2" x 4" x 20"	347.32	29.46	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	52.82		
26 05 26 00-0180		Ground Conductor Bonding (26 05 26)			
26 05 26 00-0181		Ground Conductor Bonding (26 05 26 00-0180)			
26 05 26 00-0182		Splice, Lug, Ground Rod, Rebar Or Structural Steel Cadweld (26 05 26 00-0181)			
26 05 26 00-0183	EA	Up To #6 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel	137.84		
		Note: Includes molds, materials and all necessary tools to make connections.			
26 05 26 00-0184	EA	#4 To #1 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel.....	149.58		
		Note: Includes molds, materials and all necessary tools to make connections.			
26 05 26 00-0185	EA	1/0 To 4/0 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel.....	161.32		
		Note: Includes molds, materials and all necessary tools to make connections.			
26 05 26 00-0186	EA	250 To 1,000 MCM AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel	231.74		
		Note: Includes molds, materials and all necessary tools to make connections.			
26 05 26 00-0187		Tee, Wye Or Cross Cadweld (26 05 26 00-0181)			
26 05 26 00-0188	EA	Up To #6 AWG Cadweld Connection For Tee, Wye Or Cross.....	155.45		
		Note: Includes molds, materials and all necessary tools to make connections.			
26 05 26 00-0189	EA	#4 To #1 AWG Cadweld Connection For Tee, Wye Or Cross	178.92		
		Note: Includes molds, materials and all necessary tools to make connections.			
26 05 26 00-0190	EA	1/0 To 4/0 AWG Cadweld Connection For Tee, Wye Or Cross	220.01		
		Note: Includes molds, materials and all necessary tools to make connections.			
26 05 26 00-0191	EA	250 To 1,000 MCM AWG Cadweld Connection For Tee, Wye Or Cross.....	266.94		
		Note: Includes molds, materials and all necessary tools to make connections.			
26 05 26 00-0192		Grounding Equipment (26 05 26)			

	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 26 00-0193			Special Grounding Equipment (26 05 26 00-0192)		
26 05 26 00-0194			Ground Reels And Ground Bus (26 05 26 00-0193)		
26 05 26 00-0195	EA		Ground Reel With 50' Of Galvanized Steel Cable	780.85	
26 05 26 00-0196			Copper Bars (26 05 26 00-0193)		
26 05 26 00-0197	LF		1/4" x 2" Copper Bar	44.98	
26 05 26 00-0198			Phenolic Insulators (26 05 26 00-0193)		
26 05 26 00-0199	EA		2" x 2" x 1" Long Phenolic Insulators	31.33	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.04	
26 05 26 00-0200			Grounding Studs (26 05 26 00-0193)		
26 05 26 00-0201	EA		Ball Grounding Stud	45.32	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.51	
26 05 26 00-0202			Equipment Ground Bar Kits (26 05 26 00-0193)		
26 05 26 00-0203	EA		Switch Rating 30 Ground Bar Kit	35.26	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.04	
26 05 26 00-0204	EA		Switch Rating 60 Ground Bar Kit	45.23	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.75	
26 05 26 00-0205	EA		Switch Rating 100 Ground Bar Kit	52.75	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.81	
26 05 26 00-0206	EA		Switch Rating 200 Ground Bar Kit	92.17	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.56	
26 05 26 00-0207			Panelboard Ground Bar Kits (26 05 26 00-0193)		
26 05 26 00-0208	EA		Panelboard Ground Bar Kit	134.57	8.80
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.81	
26 05 26 00-0209			Circuit Breaker Ground Bar Kits (26 05 26 00-0193)		
26 05 26 00-0210	EA		3 Circuit, Ground Bar Kit	29.40	5.28
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.28	
26 05 26 00-0211	EA		4 Circuit, Ground Bar Kit	28.86	5.28
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.28	
26 05 26 00-0212	EA		7 Circuit, Ground Bar Kit	29.76	5.28
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.28	
26 05 26 00-0213	EA		12 Circuit, Ground Bar Kit	33.75	5.98
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.99	
26 05 26 00-0214	EA		20 Circuit, Ground Bar Kit	38.45	6.69
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.69	
26 05 26 00-0215	EA		24 Circuit, Ground Bar Kit	42.43	7.40
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.40	
26 05 26 00-0216	EA		30 Circuit, Ground Bar Kit	47.39	8.45
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.45	
26 05 26 00-0217	EA		54 Circuit, Ground Bar Kit	54.82	9.86
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.86	
26 05 26 00-0218	EA		24 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug	60.75	7.40
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.40	
26 05 26 00-0219	EA		30 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug	67.16	8.45
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.45	
26 05 26 00-0220	EA		54 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug	74.78	9.86
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.86	

26 05 29 Hangers and Supports for Electrical Systems (26 05)

26 05 29 00-0001			Metal Framing Channel And Fittings (26 05 29)		
			See CSI section 05 43 00 00-0001 for additional unistrut fittings.		
26 05 29 00-0002			Metal Framing Channel (26 05 29 00-0001)		
			Note: Excludes fasteners and accessories.		
26 05 29 00-0003			14 Gauge Metal Framing Channels (26 05 29 00-0002)		
26 05 29 00-0004			14 Gauge, Steel Unistrut Channel (26 05 29 00-0003)		
26 05 29 00-0005	EA		Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	22.62	6.44
26 05 29 00-0006	EA		>1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	27.01	6.44
26 05 29 00-0007	LF		>2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	12.45	2.42
26 05 29 00-0008			14 Gauge, 304 Stainless Steel Unistrut Channel (26 05 29 00-0003)		
26 05 29 00-0009	EA		Up To 1' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	41.10	6.44
26 05 29 00-0010	EA		Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	45.89	6.44
26 05 29 00-0011	EA		>1' To 2' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	63.97	6.44
26 05 29 00-0012	EA		>1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	73.55	6.44
26 05 29 00-0013	LF		>2' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	30.92	2.43
26 05 29 00-0014	LF		>2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	35.71	2.43

26 Electrical**26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 29 00-0015		14 Gauge, 316 Stainless Steel Unistrut Channel (26 05 29 00-0003)		
26 05 29 00-0016	EA	Up To 1' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel	61.78	6.44
26 05 29 00-0017	EA	>1' To 2' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel	105.33	6.44
26 05 29 00-0018	LF	>2' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel	51.60	2.43
26 05 29 00-0019		12 Gauge Metal Framing Channels (26 05 29 00-0002)		
26 05 29 00-0020		12 Gauge, Steel Unistrut Channel (26 05 29 00-0019)		
26 05 29 00-0021	EA	Up To 1' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	24.48	6.44
26 05 29 00-0022	EA	Up To 1' Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	23.85	6.44
26 05 29 00-0023	EA	Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	23.44	6.44
26 05 29 00-0024	EA	>1' To 2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	30.72	6.44
26 05 29 00-0025	EA	>1' To 2' Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	29.47	6.44
26 05 29 00-0026	EA	>1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	28.65	6.44
26 05 29 00-0027	LF	>2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	14.31	2.42
26 05 29 00-0028	LF	>2' Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	13.68	2.42
26 05 29 00-0029	LF	>2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	13.27	2.42
26 05 29 00-0030		12 Gauge, 304 Stainless Steel Unistrut Channel (26 05 29 00-0019)		
26 05 29 00-0031	EA	Up To 1' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	47.48	6.44
26 05 29 00-0032	EA	Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	55.74	6.44
26 05 29 00-0033	EA	>1' To 2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	76.73	6.44
26 05 29 00-0034	EA	>1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	93.25	6.44
26 05 29 00-0035	LF	>2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	37.31	2.42
26 05 29 00-0036	LF	>2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	45.57	2.42
26 05 29 00-0037		Metal Framing Channel Fittings (26 05 29 00-0001)		
26 05 29 00-0038		Unistrut Channel Closure Strips And Caps (26 05 29 00-0037)		
26 05 29 00-0039		Steel Unistrut Channel Closure Strips And Caps (26 05 29 00-0038)		
26 05 29 00-0040	LF	Steel Raceway Closure Strip, Unistrut Channel Fittings	7.51	0.59
26 05 29 00-0041	EA	Steel End Cap, Unistrut Channel Fittings	5.44	1.47
26 05 29 00-0042		Stainless Steel Unistrut Channel Closure Strips And Caps (26 05 29 00-0038)		
26 05 29 00-0043	EA	Stainless Steel End Cap For Unistrut Channel	15.31	1.47
26 05 29 00-0044		Flat Splice Plate, Unistrut Channel Fittings (26 05 29 00-0037)		
26 05 29 00-0045		Steel Flat Splice Plate, Unistrut Channel Fittings (26 05 29 00-0044)		
26 05 29 00-0046	EA	2-Hole, 3-1/4" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting	7.28	
26 05 29 00-0047	EA	3-Hole, 5-3/8" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting	7.24	
26 05 29 00-0048	EA	4-Hole, 7-1/4" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting	8.87	
26 05 29 00-0049		Stainless Steel Flat Splice Plate, Unistrut Channel Fittings (26 05 29 00-0044)		
26 05 29 00-0050	EA	2-Hole, 3-1/2" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting	22.47	
26 05 29 00-0051	EA	3-Hole, 5-3/8" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting	33.71	
26 05 29 00-0052	EA	4-Hole, 7-1/4" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting	43.22	
26 05 29 00-0053		90 Degree Angle, Unistrut Channel Fittings (26 05 29 00-0037)		
26 05 29 00-0054		Steel 90 Degree Angle, Unistrut Channel Fittings (26 05 29 00-0053)		
26 05 29 00-0055	EA	2-Hole, 1-7/8" x 2", 90 Degree Angle, Steel, Unistrut Channel Fitting	7.04	
26 05 29 00-0056	EA	2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, Steel, Unistrut Channel Fitting	5.84	
26 05 29 00-0057	EA	3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, Steel, Unistrut Channel Fitting	10.32	
26 05 29 00-0058	EA	3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, Steel, Unistrut Channel Fitting	10.17	
26 05 29 00-0059		Stainless Steel 90 Degree Angle, Unistrut Channel Fittings (26 05 29 00-0053)		
26 05 29 00-0060	EA	2-Hole, 1-7/8" x 2", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting	12.62	
26 05 29 00-0061	EA	2-Hole, 1-7/8" x 2", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting	15.92	
26 05 29 00-0062	EA	2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting	13.42	
26 05 29 00-0063	EA	2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting	19.30	
26 05 29 00-0064	EA	3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting	17.59	
26 05 29 00-0065	EA	3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting	32.93	
26 05 29 00-0066	EA	3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting	18.52	
26 05 29 00-0067	EA	3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting	27.11	
26 05 29 00-0068		60 Degree Angle, Unistrut Channel Fittings (26 05 29 00-0037)		
26 05 29 00-0069		Steel 60 Degree Angle, Unistrut Channel Fittings (26 05 29 00-0068)		
26 05 29 00-0070	EA	2-Hole, 1-7/8" x 3-3/8", 60 Degree Angle, Steel, Unistrut Channel Fitting	14.90	
26 05 29 00-0071		U-Connector, Unistrut Channel Fittings (26 05 29 00-0037)		
26 05 29 00-0072		Steel, U-Connector, Unistrut Channel Fittings (26 05 29 00-0071)		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0073	EA	3-Hole, 1-5/8" x 13/16", U-Connector, Steel, Unistrut Channel Fitting	5.06	
26 05 29 00-0074	EA	5-Hole, 1-5/8" x 1-5/8", U-Connector, Steel, Unistrut Channel Fitting	5.68	
26 05 29 00-0075		Stainless Steel, U-Connector, Unistrut Channel Fittings (26 05 29 00-0071)		
26 05 29 00-0076	EA	5-Hole, 1-5/8" x 1-5/8", U-Connector, 304 Stainless Steel, Unistrut Channel Fitting	26.92	
26 05 29 00-0077		Z-Bracket, Unistrut Channel Fittings (26 05 29 00-0037)		
26 05 29 00-0078		Steel Z-Bracket, Unistrut Channel Fittings (26 05 29 00-0077)		
26 05 29 00-0079	EA	3-Hole, Z-Bracket, Steel, Unistrut Channel Fitting	15.30	
26 05 29 00-0080		Stainless Steel Z-Bracket, Unistrut Channel Fittings (26 05 29 00-0077)		
26 05 29 00-0081	EA	3-Hole, Z-Bracket, 304 Stainless Steel, Unistrut Channel Fitting	52.89	
26 05 29 00-0082		Standard Pipe And Rigid Conduit Clamps For Unistrut Channel (26 05 29 00-0037) Note: Includes hex screw and nut.		
26 05 29 00-0083		Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel (26 05 29 00-0082) Note: Includes hex screw and nut.		
26 05 29 00-0084	EA	1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	5.28	1.77
26 05 29 00-0085	EA	3/4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	5.31	1.77
26 05 29 00-0086	EA	1" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	5.45	1.77
26 05 29 00-0087	EA	1-1/4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	6.82	2.35
26 05 29 00-0088	EA	1-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	7.54	2.35
26 05 29 00-0089	EA	2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	7.61	2.35
26 05 29 00-0090	EA	2-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	9.31	2.94
26 05 29 00-0091	EA	3" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	9.94	2.94
26 05 29 00-0092	EA	3-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	10.55	2.94
26 05 29 00-0093	EA	4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	10.77	2.94
26 05 29 00-0094		304 Stainless Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel (26 05 29 00-0082) Note: Includes hex screw and nut.		
26 05 29 00-0095	EA	1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	9.55	1.77
26 05 29 00-0096	EA	3/4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	10.80	1.77
26 05 29 00-0097	EA	1" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	12.05	1.77
26 05 29 00-0098	EA	1-1/4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	14.88	2.35
26 05 29 00-0099	EA	1-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	18.36	2.35
26 05 29 00-0100	EA	2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	19.28	2.35
26 05 29 00-0101	EA	2-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	23.07	2.94
26 05 29 00-0102	EA	3" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	26.17	2.94
26 05 29 00-0103	EA	3-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	27.50	2.94
26 05 29 00-0104	EA	4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	32.42	2.94
26 05 29 00-0105		316 Stainless Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel (26 05 29 00-0082) Note: Includes hex screw and nut.		
26 05 29 00-0106	EA	1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	10.31	1.77
26 05 29 00-0107	EA	3/4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	12.09	1.77
26 05 29 00-0108	EA	1" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	12.59	1.77
26 05 29 00-0109	EA	1-1/4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	15.13	2.35
26 05 29 00-0110	EA	1-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	21.22	2.35
26 05 29 00-0111	EA	2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	21.53	2.35
26 05 29 00-0112	EA	2-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	25.42	2.94
26 05 29 00-0113	EA	3" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	27.00	2.94
26 05 29 00-0114	EA	3-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	38.22	2.94
26 05 29 00-0115	EA	4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	45.07	2.94
26 05 29 00-0116		Beam Clamps, Unistrut Channel Fittings (26 05 29 00-0037)		
26 05 29 00-0117		Steel Beam Clamps, Unistrut Channel Fittings (26 05 29 00-0116)		
26 05 29 00-0118	EA	Set Screw Beam Clamp, Steel Unistrut Channel Fitting	39.95	10.72
26 05 29 00-0119	EA	"C" Beam Clamp Use With 1/2" Rod, Steel Unistrut Channel Fittings	25.71	10.72
26 05 29 00-0120	EA	"U" Bolt Beam Clamp, Steel Unistrut Channel Fitting	38.51	10.72
26 05 29 00-0121		304 Stainless Steel Beam Clamps, Unistrut Channel Fittings (26 05 29 00-0116)		
26 05 29 00-0122	EA	"U" Bolt Beam Clamp, 304 Stainless Steel Unistrut Channel Fitting	58.56	10.72
26 05 29 00-0123		Square Washers For Unistrut Channel (26 05 29 00-0037)		
26 05 29 00-0124		Steel Square Washers For Unistrut Channel (26 05 29 00-0123)		
26 05 29 00-0125	EA	1/2" Bolt Size, Steel, Square Washer For Unistrut Channel	5.10	
26 05 29 00-0126		Stainless Steel Square Washers For Unistrut Channel (26 05 29 00-0123)		

26 Electrical**26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 05 29 00-0127	EA	1/2" Bolt Size, 304 Stainless Steel, Square Washer For Unistrut Channel	6.08		
26 05 29 00-0128	EA	1/2" Bolt Size, 316 Stainless Steel, Square Washer For Unistrut Channel	7.79		
26 05 29 00-0129		Strut Braces, Unistrut Channel Fittings (26 05 29 00-0037)			
26 05 29 00-0130	EA	16" Diagonal Steel Bar Brace For Unistrut Channel	42.58		
26 05 29 00-0131		Trolley Hangers, Unistrut Channel Fittings (26 05 29 00-0037)			
26 05 29 00-0132	EA	Steel Trolley Track Hanger For Unistrut Channel	52.74		
26 05 29 00-0133		Lock Nuts With Spring For Unistrut Channel (26 05 29 00-0037)			
		Note: Includes hex bolt.			
26 05 29 00-0134		Steel Lock Nuts With Spring For Unistrut Channel (26 05 29 00-0133)			
		Note: Includes hex bolt.			
26 05 29 00-0135	EA	1/4-20, Steel Lock Nut With Spring For Unistrut Channel.....	8.33		
26 05 29 00-0136	EA	3/8-16, Steel Lock Nut With Spring For Unistrut Channel.....	9.20		
26 05 29 00-0137	EA	1/2-13, Steel Lock Nut With Spring For Unistrut Channel.....	9.86		
26 05 29 00-0138	EA	5/8-11, Steel Lock Nut With Spring For Unistrut Channel.....	13.38		
26 05 29 00-0139		Stainless Steel Lock Nuts With Spring For Unistrut Channel (26 05 29 00-0133)			
		Note: Includes hex bolt.			
26 05 29 00-0140	EA	1/4-20, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	17.45		
26 05 29 00-0141	EA	3/8-16, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	18.62		
26 05 29 00-0142	EA	1/2-13, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	26.63		
26 05 29 00-0143	EA	5/8-11, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	46.05		
26 05 29 00-0144		Lock Nuts Without Spring For Unistrut Channel (26 05 29 00-0037)			
		Note: Includes hex bolt.			
26 05 29 00-0145		Steel Lock Nuts Without Spring For Unistrut Channel (26 05 29 00-0144)			
		Note: Includes hex bolt.			
26 05 29 00-0146	EA	1/4-20, Steel Lock Nut Without Spring For Unistrut Channel	8.36		
26 05 29 00-0147	EA	3/8-16, Steel Lock Nut Without Spring For Unistrut Channel	9.32		
26 05 29 00-0148	EA	1/2-13, Steel Lock Nut Without Spring For Unistrut Channel	9.91		
26 05 29 00-0149	EA	5/8-11, Steel Lock Nut Without Spring For Unistrut Channel	14.39		
26 05 29 00-0150		Stainless Steel Lock Nuts Without Spring For Unistrut Channel (26 05 29 00-0144)			
		Note: Includes hex bolt.			
26 05 29 00-0151	EA	1/4-20, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....	12.31		
26 05 29 00-0152	EA	3/8-16, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....	14.98		
26 05 29 00-0153	EA	1/2-13, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....	16.39		
26 05 29 00-0154	EA	5/8-11, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....	44.85		
26 05 29 00-0155		Mounting Assemblies (26 05 29)			
26 05 29 00-0156		Galvanized Steel Mounting Assemblies (26 05 29 00-0155)			
26 05 29 00-0157		Galvanized Steel Back Plate (26 05 29 00-0156)			
26 05 29 00-0158	EA	1/4" x 4' x 4', Galvanized Steel Back Plate, Painted	550.42	70.42	
26 05 29 00-0159	EA	3/8" x 14" x 16", Galvanized Steel Back Plate, Painted	134.14	23.47	
26 05 29 00-0160	EA	3/16" x 30" x 48", Galvanized Steel Back Plate, Painted	339.89	58.68	
26 05 29 00-0161		Aluminum Mounting Assemblies (26 05 29 00-0155)			
26 05 29 00-0162		Aluminum Back Plate (26 05 29 00-0161)			
26 05 29 00-0163	EA	3/16" x 2' x 2' Aluminum Back Plate.....	457.13	88.03	
26 05 29 00-0164	EA	3/16" x 4' x 4' Aluminum Back Plate.....	1,328.37	88.03	
26 05 29 00-0165		Supports (26 05 29)			
26 05 29 00-0166		One Hole Steel Conduit Straps (26 05 29 00-0165)			
26 05 29 00-0167	EA	1/2", One Hole Steel Conduit Strap	4.30		
		For Work In Restricted Working Space, Add	1.13		
		For Installation On Concrete (Includes Drilling And Fastener), Add	1.04		
		For >500, Deduct	-1.18		
		For >50 To 100, Deduct	-0.20		
		For >250 To 500, Deduct	-0.79		
		For >100 To 250, Deduct	-0.40		
26 05 29 00-0168	EA	3/4", One Hole Steel Conduit Strap	4.35		
		For Work In Restricted Working Space, Add	1.13		
		For Installation On Concrete (Includes Drilling And Fastener), Add	1.04		
		For >500, Deduct	-1.19		
		For >50 To 100, Deduct	-0.20		
		For >250 To 500, Deduct	-0.80		
		For >100 To 250, Deduct	-0.41		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0169	EA		1", One Hole Steel Conduit Strap	4.60	
			For Work In Restricted Working Space, Add	1.13	
			For Installation On Concrete (Includes Drilling And Fastener), Add	1.04	
			For >500, Deduct	-1.21	
			For >50 To 100, Deduct	-0.21	
			For >250 To 500, Deduct	-0.82	
			For >100 To 250, Deduct	-0.42	
26 05 29 00-0170	EA		1-1/4", One Hole Steel Conduit Strap	4.78	
			For Work In Restricted Working Space, Add	1.13	
			For Installation On Concrete (Includes Drilling And Fastener), Add	1.04	
			For >500, Deduct	-1.23	
			For >50 To 100, Deduct	-0.21	
			For >250 To 500, Deduct	-0.83	
			For >100 To 250, Deduct	-0.43	
26 05 29 00-0171	EA		1-1/2", One Hole Steel Conduit Strap	4.90	
			For Work In Restricted Working Space, Add	1.13	
			For Installation On Concrete (Includes Drilling And Fastener), Add	1.04	
			For >500, Deduct	-1.24	
			For >50 To 100, Deduct	-0.22	
			For >250 To 500, Deduct	-0.84	
			For >100 To 250, Deduct	-0.43	
26 05 29 00-0172	EA		2", One Hole Steel Conduit Strap	5.66	
			For Work In Restricted Working Space, Add	1.13	
			For Installation On Concrete (Includes Drilling And Fastener), Add	1.04	
			For >500, Deduct	-1.32	
			For >50 To 100, Deduct	-0.24	
			For >250 To 500, Deduct	-0.89	
			For >100 To 250, Deduct	-0.47	
26 05 29 00-0173	EA		2-1/2", One Hole Steel Conduit Strap	6.43	
			For Work In Restricted Working Space, Add	1.13	
			For Installation On Concrete (Includes Drilling And Fastener), Add	1.04	
			For >500, Deduct	-1.40	
			For >50 To 100, Deduct	-0.25	
			For >250 To 500, Deduct	-0.95	
			For >100 To 250, Deduct	-0.51	
26 05 29 00-0174	EA		3", One Hole Steel Conduit Strap	6.68	
			For Work In Restricted Working Space, Add	1.13	
			For Installation On Concrete (Includes Drilling And Fastener), Add	1.04	
			For >500, Deduct	-1.42	
			For >50 To 100, Deduct	-0.26	
			For >250 To 500, Deduct	-0.97	
			For >100 To 250, Deduct	-0.52	
26 05 29 00-0175	EA		3-1/2", One Hole Steel Conduit Strap	7.95	
			For Work In Restricted Working Space, Add	1.13	
			For Installation On Concrete (Includes Drilling And Fastener), Add	1.04	
			For >500, Deduct	-1.55	
			For >50 To 100, Deduct	-0.29	
			For >250 To 500, Deduct	-1.07	
			For >100 To 250, Deduct	-0.59	
26 05 29 00-0176	EA		4", One Hole Steel Conduit Strap	8.96	
			For Work In Restricted Working Space, Add	1.13	
			For Installation On Concrete (Includes Drilling And Fastener), Add	1.04	
			For >500, Deduct	-1.65	
			For >50 To 100, Deduct	-0.32	
			For >250 To 500, Deduct	-1.14	
			For >100 To 250, Deduct	-0.64	
26 05 29 00-0177 One Hole Iron Conduit Straps (26 05 29 00-0185)					
26 05 29 00-0178	EA		1/2", One Hole Iron Conduit Strap	4.42	
			For Work In Restricted Working Space, Add	1.13	
			For Installation On Concrete (Includes Drilling And Fastener), Add	1.04	
			For >500, Deduct	-1.19	
			For >50 To 100, Deduct	-0.20	
			For >250 To 500, Deduct	-0.80	
			For >100 To 250, Deduct	-0.41	
26 05 29 00-0179	EA		3/4", One Hole Iron Conduit Strap	4.54	
			For Work In Restricted Working Space, Add	1.13	
			For Installation On Concrete (Includes Drilling And Fastener), Add	1.04	
			For >500, Deduct	-1.21	
			For >50 To 100, Deduct	-0.21	
			For >250 To 500, Deduct	-0.81	
			For >100 To 250, Deduct	-0.42	
26 05 29 00-0180	EA		1", One Hole Iron Conduit Strap	4.76	
			For Work In Restricted Working Space, Add	1.13	
			For Installation On Concrete (Includes Drilling And Fastener), Add	1.04	
			For >500, Deduct	-1.23	
			For >50 To 100, Deduct	-0.21	
			For >250 To 500, Deduct	-0.83	
			For >100 To 250, Deduct	-0.43	
26 05 29 00-0181	EA		1-1/4", One Hole Iron Conduit Strap	5.29	
			For Work In Restricted Working Space, Add	1.13	
			For Installation On Concrete (Includes Drilling And Fastener), Add	1.04	
			For >500, Deduct	-1.28	
			For >50 To 100, Deduct	-0.23	
			For >250 To 500, Deduct	-0.87	
			For >100 To 250, Deduct	-0.45	

26 Electrical**26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 29 00-0182	EA	1-1/2", One Hole Iron Conduit Strap	5.50	
		For Work In Restricted Working Space, Add	1.13	
		For Installation On Concrete (Includes Drilling And Fastener), Add	1.04	
		For >500, Deduct	-1.30	
		For >50 To 100, Deduct	-0.23	
		For >250 To 500, Deduct	-0.88	
		For >100 To 250, Deduct	-0.46	
26 05 29 00-0183	EA	2", One Hole Iron Conduit Strap	6.83	
		For Work In Restricted Working Space, Add	1.13	
		For Installation On Concrete (Includes Drilling And Fastener), Add	1.04	
		For >500, Deduct	-1.44	
		For >50 To 100, Deduct	-0.26	
		For >250 To 500, Deduct	-0.98	
		For >100 To 250, Deduct	-0.53	
26 05 29 00-0184	EA	2-1/2", One Hole Iron Conduit Strap	9.69	
		For Work In Restricted Working Space, Add	1.13	
		For Installation On Concrete (Includes Drilling And Fastener), Add	1.04	
		For >500, Deduct	-1.72	
		For >50 To 100, Deduct	-0.34	
		For >250 To 500, Deduct	-1.20	
		For >100 To 250, Deduct	-0.67	
26 05 29 00-0185	EA	3", One Hole Iron Conduit Strap	12.08	
		For Work In Restricted Working Space, Add	1.13	
		For Installation On Concrete (Includes Drilling And Fastener), Add	1.04	
		For >500, Deduct	-1.96	
		For >50 To 100, Deduct	-0.40	
		For >250 To 500, Deduct	-1.38	
		For >100 To 250, Deduct	-0.79	
26 05 29 00-0186	EA	3-1/2", One Hole Iron Conduit Strap	15.57	
		For Work In Restricted Working Space, Add	1.13	
		For Installation On Concrete (Includes Drilling And Fastener), Add	1.04	
		For >500, Deduct	-2.31	
		For >50 To 100, Deduct	-0.48	
		For >250 To 500, Deduct	-1.64	
		For >100 To 250, Deduct	-0.97	
26 05 29 00-0187	EA	4", One Hole Iron Conduit Strap	29.54	
		For Work In Restricted Working Space, Add	1.13	
		For Installation On Concrete (Includes Drilling And Fastener), Add	1.04	
		For >500, Deduct	-3.71	
		For >50 To 100, Deduct	-0.83	
		For >250 To 500, Deduct	-2.69	
		For >100 To 250, Deduct	-1.67	
26 05 29 00-0188	EA	5", One Hole Iron Conduit Strap	37.06	
		For Work In Restricted Working Space, Add	1.13	
		For Installation On Concrete (Includes Drilling And Fastener), Add	1.04	
		For >500, Deduct	-4.46	
		For >50 To 100, Deduct	-1.02	
		For >250 To 500, Deduct	-3.25	
		For >100 To 250, Deduct	-2.04	

26 05 29 00-0189 Two Hole Steel Conduit Straps (26 05 29 00-0165)

26 05 29 00-0190	EA	1/2", Two Hole Steel Conduit Strap	5.01	
		For Work In Restricted Working Space, Add	1.27	
		For Installation On Concrete (Includes Drilling And Fastener), Add	1.26	
		For >500, Deduct	-1.35	
		For >50 To 100, Deduct	-0.23	
		For >250 To 500, Deduct	-0.90	
		For >100 To 250, Deduct	-0.46	
26 05 29 00-0191	EA	3/4", Two Hole Steel Conduit Strap	5.10	
		For Work In Restricted Working Space, Add	1.27	
		For Installation On Concrete (Includes Drilling And Fastener), Add	1.26	
		For >500, Deduct	-1.36	
		For >50 To 100, Deduct	-0.23	
		For >250 To 500, Deduct	-0.91	
		For >100 To 250, Deduct	-0.47	
26 05 29 00-0192	EA	1", Two Hole Steel Conduit Strap	5.14	
		For Work In Restricted Working Space, Add	1.27	
		For Installation On Concrete (Includes Drilling And Fastener), Add	1.26	
		For >500, Deduct	-1.36	
		For >50 To 100, Deduct	-0.23	
		For >250 To 500, Deduct	-0.91	
		For >100 To 250, Deduct	-0.47	
26 05 29 00-0193	EA	1-1/4", Two Hole Steel Conduit Strap	5.20	
		For Work In Restricted Working Space, Add	1.27	
		For Installation On Concrete (Includes Drilling And Fastener), Add	1.26	
		For >500, Deduct	-1.37	
		For >50 To 100, Deduct	-0.24	
		For >250 To 500, Deduct	-0.92	
		For >100 To 250, Deduct	-0.47	
26 05 29 00-0194	EA	1-1/2", Two Hole Steel Conduit Strap	5.24	
		For Work In Restricted Working Space, Add	1.27	
		For Installation On Concrete (Includes Drilling And Fastener), Add	1.26	
		For >500, Deduct	-1.37	
		For >50 To 100, Deduct	-0.24	
		For >250 To 500, Deduct	-0.92	
		For >100 To 250, Deduct	-0.47	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0195	EA		2", Two Hole Steel Conduit Strap	5.34	
			For Work In Restricted Working Space, Add	1.27	
			For Installation On Concrete (Includes Drilling And Fastener), Add	1.26	
			For >500, Deduct	-1.38	
			For >50 To 100, Deduct	-0.24	
			For >250 To 500, Deduct	-0.93	
			For >100 To 250, Deduct	-0.48	
26 05 29 00-0196	EA		2-1/2", Two Hole Steel Conduit Strap	5.92	
			For Work In Restricted Working Space, Add	1.27	
			For Installation On Concrete (Includes Drilling And Fastener), Add	1.26	
			For >500, Deduct	-1.44	
			For >50 To 100, Deduct	-0.25	
			For >250 To 500, Deduct	-0.97	
			For >100 To 250, Deduct	-0.51	
26 05 29 00-0197	EA		3", Two Hole Steel Conduit Strap	6.04	
			For Work In Restricted Working Space, Add	1.27	
			For Installation On Concrete (Includes Drilling And Fastener), Add	1.26	
			For >500, Deduct	-1.45	
			For >50 To 100, Deduct	-0.26	
			For >250 To 500, Deduct	-0.98	
			For >100 To 250, Deduct	-0.51	
26 05 29 00-0198	EA		3-1/2", Two Hole Steel Conduit Strap	6.49	
			For Work In Restricted Working Space, Add	1.27	
			For Installation On Concrete (Includes Drilling And Fastener), Add	1.26	
			For >500, Deduct	-1.50	
			For >50 To 100, Deduct	-0.27	
			For >250 To 500, Deduct	-1.02	
			For >100 To 250, Deduct	-0.54	
26 05 29 00-0199	EA		4", Two Hole Steel Conduit Strap	6.80	
			For Work In Restricted Working Space, Add	1.27	
			For Installation On Concrete (Includes Drilling And Fastener), Add	1.26	
			For >500, Deduct	-1.53	
			For >50 To 100, Deduct	-0.28	
			For >250 To 500, Deduct	-1.04	
			For >100 To 250, Deduct	-0.55	
26 05 29 00-0200	EA		5", Two Hole Steel Conduit Strap	7.21	
			For Work In Restricted Working Space, Add	1.27	
			For Installation On Concrete (Includes Drilling And Fastener), Add	1.26	
			For >500, Deduct	-1.57	
			For >50 To 100, Deduct	-0.29	
			For >250 To 500, Deduct	-1.07	
			For >100 To 250, Deduct	-0.57	
26 05 29 00-0201			Clamp Back Spacers (26 05 29 00-0165)		
26 05 29 00-0202	EA		1/2" Conduit, Clamp Back Spacer	4.09	
			For Work In Restricted Working Space, Add	0.88	
			For Installation On Concrete (Includes Drilling And Fastener), Add	0.84	
			For >500, Deduct	-1.00	
			For >50 To 100, Deduct	-0.18	
			For >250 To 500, Deduct	-0.67	
			For >100 To 250, Deduct	-0.35	
26 05 29 00-0203	EA		3/4" Conduit, Clamp Back Spacer	4.47	
			For Work In Restricted Working Space, Add	0.88	
			For Installation On Concrete (Includes Drilling And Fastener), Add	0.84	
			For >500, Deduct	-1.04	
			For >50 To 100, Deduct	-0.19	
			For >250 To 500, Deduct	-0.70	
			For >100 To 250, Deduct	-0.37	
26 05 29 00-0204	EA		1" Conduit, Clamp Back Spacer	4.82	
			For Work In Restricted Working Space, Add	0.88	
			For Installation On Concrete (Includes Drilling And Fastener), Add	0.84	
			For >500, Deduct	-1.07	
			For >50 To 100, Deduct	-0.19	
			For >250 To 500, Deduct	-0.73	
			For >100 To 250, Deduct	-0.39	
26 05 29 00-0205	EA		1-1/4" Conduit, Clamp Back Spacer	6.21	
			For Work In Restricted Working Space, Add	0.88	
			For Installation On Concrete (Includes Drilling And Fastener), Add	0.84	
			For >500, Deduct	-1.21	
			For >50 To 100, Deduct	-0.23	
			For >250 To 500, Deduct	-0.83	
			For >100 To 250, Deduct	-0.46	
26 05 29 00-0206	EA		1-1/2" Conduit, Clamp Back Spacer	7.32	
			For Work In Restricted Working Space, Add	0.88	
			For Installation On Concrete (Includes Drilling And Fastener), Add	0.84	
			For >500, Deduct	-1.32	
			For >50 To 100, Deduct	-0.26	
			For >250 To 500, Deduct	-0.92	
			For >100 To 250, Deduct	-0.51	
26 05 29 00-0207	EA		2" Conduit, Clamp Back Spacer	8.49	
			For Work In Restricted Working Space, Add	0.88	
			For Installation On Concrete (Includes Drilling And Fastener), Add	0.84	
			For >500, Deduct	-1.44	
			For >50 To 100, Deduct	-0.29	
			For >250 To 500, Deduct	-1.00	
			For >100 To 250, Deduct	-0.57	

26 Electrical**26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 29 00-0208	EA	2-1/2" Conduit, Clamp Back Spacer	13.25	
		For Work In Restricted Working Space, Add	0.88	
		For Installation On Concrete (Includes Drilling And Fastener), Add	0.84	
		For >500, Deduct	-1.91	
		For >50 To 100, Deduct	-0.40	
		For >250 To 500, Deduct	-1.36	
		For >100 To 250, Deduct	-0.81	
26 05 29 00-0209	EA	3" Conduit, Clamp Back Spacer	18.93	
		For Work In Restricted Working Space, Add	0.88	
		For Installation On Concrete (Includes Drilling And Fastener), Add	0.84	
		For >500, Deduct	-2.48	
		For >50 To 100, Deduct	-0.55	
		For >250 To 500, Deduct	-1.79	
		For >100 To 250, Deduct	-1.09	
26 05 29 00-0210	EA	3-1/2" Conduit, Clamp Back Spacer	24.45	
		For Work In Restricted Working Space, Add	0.88	
		For Installation On Concrete (Includes Drilling And Fastener), Add	0.84	
		For >500, Deduct	-3.03	
		For >50 To 100, Deduct	-0.68	
		For >250 To 500, Deduct	-2.20	
		For >100 To 250, Deduct	-1.37	
26 05 29 00-0211	EA	4" Conduit, Clamp Back Spacer	50.37	
		For Work In Restricted Working Space, Add	0.88	
		For Installation On Concrete (Includes Drilling And Fastener), Add	0.84	
		For >500, Deduct	-5.63	
		For >50 To 100, Deduct	-1.33	
		For >250 To 500, Deduct	-4.15	
		For >100 To 250, Deduct	-2.67	
26 05 29 00-0212	EA	5" Conduit, Clamp Back Spacer	94.12	
		For Work In Restricted Working Space, Add	0.88	
		For Installation On Concrete (Includes Drilling And Fastener), Add	0.84	
		For >500, Deduct	-10.00	
		For >50 To 100, Deduct	-2.43	
		For >250 To 500, Deduct	-7.43	
		For >100 To 250, Deduct	-4.85	

26 05 29 00-0213 Conduit Clips (26 05 29 00-0165)
 Note: Push in or clip.

26 05 29 00-0214	EA	1/2" Conduit Clip	4.96	
		For Installation On Concrete (Includes Drilling And Fastener), Add	1.04	
		For >500, Deduct	-1.25	
		For >50 To 100, Deduct	-0.22	
		For >250 To 500, Deduct	-0.84	
		For >100 To 250, Deduct	-0.44	
26 05 29 00-0215	EA	3/4" Conduit Clip	4.96	
		For Installation On Concrete (Includes Drilling And Fastener), Add	1.04	
		For >500, Deduct	-1.25	
		For >50 To 100, Deduct	-0.22	
		For >250 To 500, Deduct	-0.84	
		For >100 To 250, Deduct	-0.44	
26 05 29 00-0216	EA	1" Conduit Clip	4.87	
		For Installation On Concrete (Includes Drilling And Fastener), Add	1.04	
		For >500, Deduct	-1.24	
		For >50 To 100, Deduct	-0.22	
		For >250 To 500, Deduct	-0.84	
		For >100 To 250, Deduct	-0.43	
26 05 29 00-0217	EA	1-1/4" Conduit Clip	5.09	
		For Installation On Concrete (Includes Drilling And Fastener), Add	1.04	
		For >500, Deduct	-1.26	
		For >50 To 100, Deduct	-0.22	
		For >250 To 500, Deduct	-0.85	
		For >100 To 250, Deduct	-0.44	

26 05 29 00-0218 Bolt And Nut Conduit Clips (26 05 29 00-0165)

26 05 29 00-0219	EA	3/4" Bolt And Nut Conduit Clip (Minerallac 1B)	6.15	
		For Installation On Concrete (Includes Drilling And Fastener), Add	1.27	
		For >500, Deduct	-1.55	
		For >50 To 100, Deduct	-0.27	
		For >250 To 500, Deduct	-1.05	
		For >100 To 250, Deduct	-0.54	
26 05 29 00-0220	EA	1" Bolt And Nut Conduit Clip (Minerallac 2B)	6.38	
		For Installation On Concrete (Includes Drilling And Fastener), Add	1.27	
		For >500, Deduct	-1.58	
		For >50 To 100, Deduct	-0.28	
		For >250 To 500, Deduct	-1.06	
		For >100 To 250, Deduct	-0.55	
26 05 29 00-0221	EA	1-1/4" Bolt And Nut Conduit Clip (Minerallac 2-1/2B)	6.81	
		For Installation On Concrete (Includes Drilling And Fastener), Add	1.35	
		For >500, Deduct	-1.68	
		For >50 To 100, Deduct	-0.30	
		For >250 To 500, Deduct	-1.13	
		For >100 To 250, Deduct	-0.59	
26 05 29 00-0222	EA	1-1/2" Bolt And Nut Conduit Clip (Minerallac 3B)	6.94	
		For Installation On Concrete (Includes Drilling And Fastener), Add	1.35	
		For >500, Deduct	-1.69	
		For >50 To 100, Deduct	-0.30	
		For >250 To 500, Deduct	-1.14	
		For >100 To 250, Deduct	-0.60	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0223	EA		2" Bolt And Nut Conduit Clip (Minerallac 5B).....	7.82	
			For Installation On Concrete (Includes Drilling And Fastener), Add	1.35	
			For >500, Deduct	-1.78	
			For >50 To 100, Deduct	-0.32	
			For >250 To 500, Deduct	-1.21	
			For >100 To 250, Deduct	-0.64	
26 05 29 00-0224	EA		2-1/2" Bolt And Nut Conduit Clip (Minerallac 6B).....	8.49	
			For Installation On Concrete (Includes Drilling And Fastener), Add	1.42	
			For >500, Deduct	-1.91	
			For >50 To 100, Deduct	-0.34	
			For >250 To 500, Deduct	-1.30	
			For >100 To 250, Deduct	-0.69	
26 05 29 00-0225	EA		3" Bolt And Nut Conduit Clip (Minerallac 7B).....	9.28	
			For Installation On Concrete (Includes Drilling And Fastener), Add	1.42	
			For >500, Deduct	-1.98	
			For >50 To 100, Deduct	-0.36	
			For >250 To 500, Deduct	-1.36	
			For >100 To 250, Deduct	-0.73	
26 05 29 00-0226	EA		4" Bolt And Nut Conduit Clip (Minerallac 9B).....	17.28	
			For Installation On Concrete (Includes Drilling And Fastener), Add	1.57	
			For >500, Deduct	-2.90	
			For >50 To 100, Deduct	-0.58	
			For >250 To 500, Deduct	-2.03	
			For >100 To 250, Deduct	-1.16	
26 05 29 00-0227 Conduit Hanger From Flange, Wire Or Rod (26 05 29 00-0165)					
Note: Bat wing.					
26 05 29 00-0228	EA		1/2", Conduit Hanger From Flange, Wire Or Rod	3.57	
			For Installation On Concrete (Includes Drilling And Fastener), Add	0.81	
			For >500, Deduct	-0.92	
			For >50 To 100, Deduct	-0.16	
			For >250 To 500, Deduct	-0.62	
			For >100 To 250, Deduct	-0.32	
26 05 29 00-0229	EA		3/4", Conduit Hanger From Flange, Wire Or Rod	3.63	
			For Installation On Concrete (Includes Drilling And Fastener), Add	0.81	
			For >500, Deduct	-0.93	
			For >50 To 100, Deduct	-0.16	
			For >250 To 500, Deduct	-0.62	
			For >100 To 250, Deduct	-0.32	
26 05 29 00-0230	EA		1", Conduit Hanger From Flange, Wire Or Rod	3.81	
			For Installation On Concrete (Includes Drilling And Fastener), Add	0.81	
			For >500, Deduct	-0.95	
			For >50 To 100, Deduct	-0.17	
			For >250 To 500, Deduct	-0.64	
			For >100 To 250, Deduct	-0.33	
26 05 29 00-0231	EA		1-1/4", Conduit Hanger From Flange, Wire Or Rod	4.25	
			For Installation On Concrete (Includes Drilling And Fastener), Add	0.81	
			For >500, Deduct	-0.99	
			For >50 To 100, Deduct	-0.18	
			For >250 To 500, Deduct	-0.67	
			For >100 To 250, Deduct	-0.35	
26 05 29 00-0232 Beam Flange Clamps (26 05 29 00-0165)					
Note: For threaded rod, nut not required.					
26 05 29 00-0233	EA		1/8" To 1/4" Flange Thickness, Beam Clamp (Caddy 6TA24)	5.43	
			For >500, Deduct	-1.13	
			For >50 To 100, Deduct	-0.21	
			For >250 To 500, Deduct	-0.77	
			For >100 To 250, Deduct	-0.42	
26 05 29 00-0234	EA		5/16" To 1/2" Flange Thickness, Beam Clamp (Caddy 6TA58)	5.31	
			For >500, Deduct	-1.12	
			For >50 To 100, Deduct	-0.21	
			For >250 To 500, Deduct	-0.77	
			For >100 To 250, Deduct	-0.41	
26 05 29 00-0235	EA		9/16" To 3/4" Flange Thickness, Beam Clamp (Caddy 6TA912)	6.00	
			For >500, Deduct	-1.19	
			For >50 To 100, Deduct	-0.22	
			For >250 To 500, Deduct	-0.82	
			For >100 To 250, Deduct	-0.45	
26 05 29 00-0236 T-Bar Support Clips (26 05 29 00-0165)					
26 05 29 00-0237	EA		9/16" Grid Size, Independent T-Bar Support Clip (Caddy IDS95).....	8.88	
			For >500, Deduct	-2.06	
			For >50 To 100, Deduct	-0.37	
			For >250 To 500, Deduct	-1.40	
			For >100 To 250, Deduct	-0.74	
26 05 29 00-0238	EA		15/16" Grid Size, Independent T-Bar Support Clip (Caddy IDS).....	8.35	
			For >500, Deduct	-2.01	
			For >50 To 100, Deduct	-0.36	
			For >250 To 500, Deduct	-1.36	
			For >100 To 250, Deduct	-0.71	
26 05 29 00-0239	EA		15/16 Grid Size, Twist On T-Bar Support Clip (Caddy 4G16).....	3.31	
			For >500, Deduct	-0.62	
			For >50 To 100, Deduct	-0.12	
			For >250 To 500, Deduct	-0.43	
			For >100 To 250, Deduct	-0.24	

26 Electrical**26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 29 00-0240	EA	24" Long Snap On T-Bar Electrical Box Hanger (Caddy 512).....	28.95	
		For >500, Deduct	-3.37	
		For >50 To 100, Deduct	-0.78	
		For >250 To 500, Deduct	-2.47	
		For >100 To 250, Deduct	-1.57	

26 05 29 00-0241 Switch And Outlet Box Type Supports (26 05 29 00-0165)

26 05 29 00-0242	EA	1/4" To 3/4" Drywall Thickness, Adjustable Switch And Outlet Box Support (Caddy MFS)	6.89	
		For >500, Deduct	-1.16	
		For >50 To 100, Deduct	-0.23	
		For >250 To 500, Deduct	-0.81	
		For >100 To 250, Deduct	-0.46	
26 05 29 00-0243	EA	1/2" Drywall Thickness, Riveted Switch And Outlet Box Support (Caddy MF500).....	5.77	
		For >500, Deduct	-1.05	
		For >50 To 100, Deduct	-0.20	
		For >250 To 500, Deduct	-0.73	
		For >100 To 250, Deduct	-0.41	
26 05 29 00-0244	EA	Flush, Riveted Switch And Outlet Box Support (Caddy MFO)	6.73	
		For >500, Deduct	-1.14	
		For >50 To 100, Deduct	-0.23	
		For >250 To 500, Deduct	-0.80	
		For >100 To 250, Deduct	-0.45	
26 05 29 00-0245	EA	Snap On, Switch And Outlet Box Support (Caddy MSF)	4.18	
		For >500, Deduct	-0.89	
		For >50 To 100, Deduct	-0.16	
		For >250 To 500, Deduct	-0.61	
		For >100 To 250, Deduct	-0.33	
26 05 29 00-0246	EA	1/4-20 Thread Impression, Switch And Outlet Box Support (Caddy MFI).....	4.38	
		For >500, Deduct	-0.91	
		For >50 To 100, Deduct	-0.17	
		For >250 To 500, Deduct	-0.62	
		For >100 To 250, Deduct	-0.34	

26 05 29 00-0247 Lighting Fixture Hanger (26 05 29 00-0165)

Note: For existing or owner furnished fixtures.

26 05 29 00-0248	EA	Lay-In/Troffer, Straight Lip Type Fixture Support Clip (Caddy 515)	5.78	
		For >500, Deduct	-1.52	
		For >50 To 100, Deduct	-0.26	
		For >250 To 500, Deduct	-1.02	
		For >100 To 250, Deduct	-0.52	
26 05 29 00-0249	PR	Support Bars For Recessed "High Hat" Light Fixtures (Caddy 517)	22.38	
		For >500, Deduct	-3.18	
		For >50 To 100, Deduct	-0.68	
		For >250 To 500, Deduct	-2.26	
		For >100 To 250, Deduct	-1.35	
26 05 29 00-0250	PR	Support Bars For Recessed "Lightolier" Light Fixtures (Caddy 520)	31.10	
		For >500, Deduct	-4.05	
		For >50 To 100, Deduct	-0.89	
		For >250 To 500, Deduct	-2.92	
		For >100 To 250, Deduct	-1.79	

26 05 29 00-0251 Rigid Steel Conduit Clamps For Unistrut Channel (26 05 29 00-0165)

26 05 29 00-0252	EA	1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	5.28	
		For >500, Deduct	-1.23	
		For Work In Restricted Working Space, Add	1.06	
		For >50 To 100, Deduct	-0.22	
		For >250 To 500, Deduct	-0.84	
		For >100 To 250, Deduct	-0.44	
26 05 29 00-0253	EA	3/4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	5.31	
		For >500, Deduct	-1.24	
		For Work In Restricted Working Space, Add	1.06	
		For >50 To 100, Deduct	-0.22	
		For >250 To 500, Deduct	-0.84	
		For >100 To 250, Deduct	-0.44	
26 05 29 00-0254	EA	1" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	5.45	
		For >500, Deduct	-1.25	
		For Work In Restricted Working Space, Add	1.06	
		For >50 To 100, Deduct	-0.22	
		For >250 To 500, Deduct	-0.85	
		For >100 To 250, Deduct	-0.45	
26 05 29 00-0255	EA	1-1/4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	6.81	
		For >500, Deduct	-1.62	
		For Work In Restricted Working Space, Add	1.41	
		For >50 To 100, Deduct	-0.29	
		For >250 To 500, Deduct	-1.10	
		For >100 To 250, Deduct	-0.58	
26 05 29 00-0256	EA	1-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	7.53	
		For >500, Deduct	-1.69	
		For Work In Restricted Working Space, Add	1.41	
		For >50 To 100, Deduct	-0.31	
		For >250 To 500, Deduct	-1.15	
		For >100 To 250, Deduct	-0.61	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0257	EA		2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel.....	7.60	
			For >500, Deduct	-1.70	
			For Work In Restricted Working Space, Add	1.41	
			For >50 To 100, Deduct	-0.31	
			For >250 To 500, Deduct	-1.16	
			For >100 To 250, Deduct	-0.61	
26 05 29 00-0258	EA		2-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel.....	9.30	
			For >500, Deduct	-2.10	
			For Work In Restricted Working Space, Add	1.76	
			For >50 To 100, Deduct	-0.38	
			For >250 To 500, Deduct	-1.43	
			For >100 To 250, Deduct	-0.76	
26 05 29 00-0259	EA		3" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel.....	9.93	
			For >500, Deduct	-2.17	
			For Work In Restricted Working Space, Add	1.76	
			For >50 To 100, Deduct	-0.40	
			For >250 To 500, Deduct	-1.48	
			For >100 To 250, Deduct	-0.79	
26 05 29 00-0260	EA		3-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel.....	10.54	
			For >500, Deduct	-2.23	
			For Work In Restricted Working Space, Add	1.76	
			For >50 To 100, Deduct	-0.41	
			For >250 To 500, Deduct	-1.52	
			For >100 To 250, Deduct	-0.82	
26 05 29 00-0261	EA		4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel.....	10.76	
			For >500, Deduct	-2.25	
			For Work In Restricted Working Space, Add	1.76	
			For >50 To 100, Deduct	-0.42	
			For >250 To 500, Deduct	-1.54	
			For >100 To 250, Deduct	-0.83	
26 05 29 00-0262			Electrical Metallic Tubing (EMT) Conduit Clamps For Unistrut Channel (26 05 29 00-0165)		
26 05 29 00-0263	EA		1/2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel.....	5.75	
			For >500, Deduct	-1.28	
			For Work In Restricted Working Space, Add	1.06	
			For >50 To 100, Deduct	-0.23	
			For >250 To 500, Deduct	-0.87	
			For >100 To 250, Deduct	-0.46	
26 05 29 00-0264	EA		3/4" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel.....	5.69	
			For >500, Deduct	-1.27	
			For Work In Restricted Working Space, Add	1.06	
			For >50 To 100, Deduct	-0.23	
			For >250 To 500, Deduct	-0.87	
			For >100 To 250, Deduct	-0.46	
26 05 29 00-0265	EA		1" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel.....	5.62	
			For >500, Deduct	-1.27	
			For Work In Restricted Working Space, Add	1.06	
			For >50 To 100, Deduct	-0.23	
			For >250 To 500, Deduct	-0.86	
			For >100 To 250, Deduct	-0.46	
26 05 29 00-0266	EA		1-1/4" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel.....	7.38	
			For >500, Deduct	-1.68	
			For Work In Restricted Working Space, Add	1.41	
			For >50 To 100, Deduct	-0.30	
			For >250 To 500, Deduct	-1.14	
			For >100 To 250, Deduct	-0.60	
26 05 29 00-0267	EA		1-1/2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel.....	8.63	
			For >500, Deduct	-1.80	
			For Work In Restricted Working Space, Add	1.41	
			For >50 To 100, Deduct	-0.33	
			For >250 To 500, Deduct	-1.23	
			For >100 To 250, Deduct	-0.67	
26 05 29 00-0268	EA		2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel.....	8.70	
			For >500, Deduct	-1.81	
			For Work In Restricted Working Space, Add	1.41	
			For >50 To 100, Deduct	-0.33	
			For >250 To 500, Deduct	-1.24	
			For >100 To 250, Deduct	-0.67	
26 05 29 00-0269			"J" Type Conduit Hangers (26 05 29 00-0165)		
26 05 29 00-0270	EA		1/2", "J" Type Conduit Hanger (Unistrut J1205).....	26.53	
			For >500, Deduct	-4.30	
			For Work In Restricted Working Space, Add	2.47	
			For >50 To 100, Deduct	-0.87	
			For >250 To 500, Deduct	-3.02	
			For >100 To 250, Deduct	-1.74	
26 05 29 00-0271	EA		3/4", "J" Type Conduit Hanger (Unistrut J1207).....	26.85	
			For >500, Deduct	-4.33	
			For Work In Restricted Working Space, Add	2.47	
			For >50 To 100, Deduct	-0.88	
			For >250 To 500, Deduct	-3.04	
			For >100 To 250, Deduct	-1.75	
26 05 29 00-0272	EA		1", "J" Type Conduit Hanger (Unistrut J1210).....	28.32	
			For >500, Deduct	-4.71	
			For Work In Restricted Working Space, Add	2.82	
			For >50 To 100, Deduct	-0.94	
			For >250 To 500, Deduct	-3.30	
			For >100 To 250, Deduct	-1.89	

26 Electrical**26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 29 00-0273	EA	1-1/4", "J" Type Conduit Hanger (Unistrut J1212).....	28.66	
		For >500, Deduct	-4.74	
		For Work In Restricted Working Space, Add	2.82	
		For >50 To 100, Deduct	-0.95	
		For >250 To 500, Deduct	-3.32	
		For >100 To 250, Deduct	-1.90	
26 05 29 00-0274	EA	1-1/2", "J" Type Conduit Hanger (Unistrut J1215).....	30.06	
		For >500, Deduct	-5.12	
		For Work In Restricted Working Space, Add	3.17	
		For >50 To 100, Deduct	-1.02	
		For >250 To 500, Deduct	-3.57	
		For >100 To 250, Deduct	-2.03	
26 05 29 00-0275	EA	2", "J" Type Conduit Hanger (Unistrut J1220).....	31.36	
		For >500, Deduct	-5.25	
		For Work In Restricted Working Space, Add	3.17	
		For >50 To 100, Deduct	-1.05	
		For >250 To 500, Deduct	-3.67	
		For >100 To 250, Deduct	-2.10	
26 05 29 00-0276	EA	2-1/2", "J" Type Conduit Hanger (Unistrut J1225).....	51.12	
		For >500, Deduct	-7.46	
		For Work In Restricted Working Space, Add	3.52	
		For >50 To 100, Deduct	-1.57	
		For >250 To 500, Deduct	-5.30	
		For >100 To 250, Deduct	-3.14	
26 05 29 00-0277	EA	3", "J" Type Conduit Hanger (Unistrut J1230).....	54.26	
		For >500, Deduct	-8.01	
		For Work In Restricted Working Space, Add	3.87	
		For >50 To 100, Deduct	-1.68	
		For >250 To 500, Deduct	-5.68	
		For >100 To 250, Deduct	-3.36	
26 05 29 00-0278	EA	3-1/2", "J" Type Conduit Hanger (Unistrut J1235).....	58.37	
		For >500, Deduct	-8.65	
		For Work In Restricted Working Space, Add	4.22	
		For >50 To 100, Deduct	-1.81	
		For >250 To 500, Deduct	-6.14	
		For >100 To 250, Deduct	-3.62	
26 05 29 00-0279	EA	4", "J" Type Conduit Hanger (Unistrut J1240).....	78.53	
		For >500, Deduct	-10.67	
		For Work In Restricted Working Space, Add	4.22	
		For >50 To 100, Deduct	-2.32	
		For >250 To 500, Deduct	-7.65	
		For >100 To 250, Deduct	-4.63	
26 05 29 00-0280	EA	5", "J" Type Conduit Hanger (Unistrut J1250).....	86.32	
		For >500, Deduct	-11.68	
		For Work In Restricted Working Space, Add	4.58	
		For >50 To 100, Deduct	-2.54	
		For >250 To 500, Deduct	-8.38	
		For >100 To 250, Deduct	-5.08	
26 05 29 00-0281	EA	6", "J" Type Conduit Hanger (Unistrut J1260).....	122.47	
		For >500, Deduct	-15.77	
		For Work In Restricted Working Space, Add	5.28	
		For >50 To 100, Deduct	-3.50	
		For >250 To 500, Deduct	-11.39	
		For >100 To 250, Deduct	-7.00	

26 05 29 00-0282 Between Studs Box Brackets (26 05 29 00-0165)

26 05 29 00-0283	EA	16" Stud Spacing, 1-1/2" Or 2-1/8" Box Depth, Screw Gun Between Studs Box Bracket (Caddy SGB16A)	9.46	
		For >500, Deduct	-1.65	
		For Work In Restricted Working Space, Add	1.06	
		For >50 To 100, Deduct	-0.32	
		For >250 To 500, Deduct	-1.15	
		For >100 To 250, Deduct	-0.65	
26 05 29 00-0284	EA	24" Stud Spacing, 1-1/2" Or 2-1/8" Box Depth, Screw Gun Between Studs Box Bracket (Caddy SGB24A)	11.51	
		For >500, Deduct	-1.86	
		For Work In Restricted Working Space, Add	1.06	
		For >50 To 100, Deduct	-0.38	
		For >250 To 500, Deduct	-1.30	
		For >100 To 250, Deduct	-0.75	

26 05 29 00-0285 Hangers And Brackets (26 05 29 00-0165)

26 05 29 00-0286	EA	Rod Hangers Only With 1/4" Thread Impression (Caddy 4TI)	3.13	
		For >500, Deduct	-0.78	
		For >50 To 100, Deduct	-0.14	
		For >250 To 500, Deduct	-0.53	
		For >100 To 250, Deduct	-0.27	
26 05 29 00-0287	EA	Angle Bracket Only With 1/4" Hole (Caddy AB)	3.01	
		For >500, Deduct	-0.77	
		For >50 To 100, Deduct	-0.13	
		For >250 To 500, Deduct	-0.52	
		For >100 To 250, Deduct	-0.27	
26 05 29 00-0288	EA	Offset Bracket Only With 1/4" Hole (Caddy AO)	3.01	
		For >500, Deduct	-0.77	
		For >50 To 100, Deduct	-0.13	
		For >250 To 500, Deduct	-0.52	
		For >100 To 250, Deduct	-0.27	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0289	EA		Angle Bracket Mount, 1/4" Threaded Rod Hanger With Thread Impression (Caddy 4TIB).....	4.24	
			For >500, Deduct	-0.89	
			For >50 To 100, Deduct	-0.16	
			For >250 To 500, Deduct	-0.61	
			For >100 To 250, Deduct	-0.33	
26 05 29 00-0290	EA		Angle Bracket Mount, 3/8" Threaded Rod Hanger With Thread Impression (Caddy 6TIB).....	4.27	
			For >500, Deduct	-0.90	
			For >50 To 100, Deduct	-0.17	
			For >250 To 500, Deduct	-0.61	
			For >100 To 250, Deduct	-0.33	
26 05 29 00-0291	EA		Angle Bracket Mount, 1/4" Or 3/8" Threaded Rod Hanger With Nut (Caddy 6TB).....	4.13	
			For >500, Deduct	-0.88	
			For >50 To 100, Deduct	-0.16	
			For >250 To 500, Deduct	-0.60	
			For >100 To 250, Deduct	-0.32	
26 05 29 00-0292	EA		Offset Bracket Mount, 1/4" Threaded Rod Hanger With Thread Impression (Caddy 4TIO).....	4.24	
			For >500, Deduct	-0.89	
			For >50 To 100, Deduct	-0.16	
			For >250 To 500, Deduct	-0.61	
			For >100 To 250, Deduct	-0.33	
26 05 29 00-0293	EA		Offset Bracket Mount, 3/8" Threaded Rod Hanger With Thread Impression (Caddy 6TIO).....	4.27	
			For >500, Deduct	-0.90	
			For >50 To 100, Deduct	-0.17	
			For >250 To 500, Deduct	-0.61	
			For >100 To 250, Deduct	-0.33	
26 05 29 00-0294 Clips And Accessories (26 05 29 00-0165)					
26 05 29 00-0295	EA		1/2" Diameter Center, Bridle Ring (Caddy 2BR).....	2.14	
			For >500, Deduct	-0.51	
			For >50 To 100, Deduct	-0.09	
			For >250 To 500, Deduct	-0.34	
			For >100 To 250, Deduct	-0.18	
26 05 29 00-0296	EA		3/4" Diameter Center, Bridle Ring (Caddy 2BR12).....	2.19	
			For >500, Deduct	-0.51	
			For >50 To 100, Deduct	-0.09	
			For >250 To 500, Deduct	-0.35	
			For >100 To 250, Deduct	-0.18	
26 05 29 00-0297	EA		1-1/4" Diameter Center, Bridle Ring (Caddy 2BR20).....	2.37	
			For >500, Deduct	-0.53	
			For >50 To 100, Deduct	-0.10	
			For >250 To 500, Deduct	-0.36	
			For >100 To 250, Deduct	-0.19	
26 05 29 00-0298	EA		2" Diameter Center, Bridle Ring (Caddy 2BR32).....	2.76	
			For >500, Deduct	-0.57	
			For >50 To 100, Deduct	-0.11	
			For >250 To 500, Deduct	-0.39	
			For >100 To 250, Deduct	-0.21	
26 05 29 00-0299 Wire Ties (26 05 29 00-0165)					
Note: Per hundred (C).					
26 05 29 00-0300	C		3" Length, 18 Lb. Tensile Strength, Nylon Cable Ties	30.39	
			For Up To 0.1, Add	24.50	
			For >0.1 To 0.25, Add	12.25	
			For >0.25 To 0.75, Add	6.13	
			For >2.0, Deduct	-2.45	
			For UV Black, Add	0.88	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.35	
26 05 29 00-0301	C		4" Length, 18 Lb. Tensile Strength, Nylon Cable Ties	30.62	
			For Up To 0.1, Add	24.50	
			For >0.1 To 0.25, Add	12.25	
			For >0.25 To 0.75, Add	6.13	
			For >2.0, Deduct	-2.45	
			For UV Black, Add	0.92	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.35	
26 05 29 00-0302	C		4-3/4" Length, 18 Lb. Tensile Strength, Nylon Cable Ties	30.78	
			For Up To 0.1, Add	24.50	
			For >0.1 To 0.25, Add	12.25	
			For >0.25 To 0.75, Add	6.13	
			For >2.0, Deduct	-2.45	
			For UV Black, Add	0.94	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.35	
26 05 29 00-0303	C		5-1/2" Length, 18 Lb. Tensile Strength, Nylon Cable Ties	30.85	
			For Up To 0.1, Add	24.50	
			For >0.1 To 0.25, Add	12.25	
			For >0.25 To 0.75, Add	6.13	
			For >2.0, Deduct	-2.45	
			For UV Black, Add	0.95	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.35	
26 05 29 00-0304	C		6-1/2" Length, 18 Lb. Tensile Strength, Nylon Cable Ties	31.98	
			For Up To 0.1, Add	25.56	
			For >0.1 To 0.25, Add	12.78	
			For >0.25 To 0.75, Add	6.39	
			For >2.0, Deduct	-2.56	
			For UV Black, Add	0.96	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.67	

26 Electrical**26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 05 29 00-0305	C 8" Length, 18 Lb. Tensile Strength, Nylon Cable Ties	38.11		
	For Up To 0.1, Add	26.72		
	For >0.1 To 0.25, Add	13.36		
	For >0.25 To 0.75, Add	6.68		
	For >2.0, Deduct	-2.67		
	For UV Black, Add	1.71		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.02		
26 05 29 00-0306	C 4-3/4" Length, 40 Lb. Tensile Strength, Nylon Cable Ties	36.71		
	For Up To 0.1, Add	24.50		
	For >0.1 To 0.25, Add	12.25		
	For >0.25 To 0.75, Add	6.13		
	For >2.0, Deduct	-2.45		
	For UV Black, Add	1.83		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.35		
26 05 29 00-0307	C 6" Length, 40 Lb. Tensile Strength, Nylon Cable Ties	37.87		
	For Up To 0.1, Add	25.56		
	For >0.1 To 0.25, Add	12.78		
	For >0.25 To 0.75, Add	6.39		
	For >2.0, Deduct	-2.56		
	For UV Black, Add	1.85		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.67		
26 05 29 00-0308	C 8" Length, 40 Lb. Tensile Strength, Nylon Cable Ties	39.09		
	For Up To 0.1, Add	26.72		
	For >0.1 To 0.25, Add	13.36		
	For >0.25 To 0.75, Add	6.68		
	For >2.0, Deduct	-2.67		
	For UV Black, Add	1.86		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.02		
26 05 29 00-0309	C 10" Length, 40 Lb. Tensile Strength, Nylon Cable Ties	57.35		
	For Up To 0.1, Add	28.81		
	For >0.1 To 0.25, Add	14.41		
	For >0.25 To 0.75, Add	7.20		
	For >2.0, Deduct	-2.88		
	For UV Black, Add	4.28		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.64		
26 05 29 00-0310	C 11-1/2" Length, 40 Lb. Tensile Strength, Nylon Cable Ties	59.93		
	For Up To 0.1, Add	28.81		
	For >0.1 To 0.25, Add	14.41		
	For >0.25 To 0.75, Add	7.20		
	For >2.0, Deduct	-2.88		
	For UV Black, Add	4.67		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.64		
26 05 29 00-0311	C 7" Length, 50 Lb. Tensile Strength, Nylon Cable Ties	40.90		
	For Up To 0.1, Add	26.72		
	For >0.1 To 0.25, Add	13.36		
	For >0.25 To 0.75, Add	6.68		
	For >2.0, Deduct	-2.67		
	For UV Black, Add	2.13		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.02		
26 05 29 00-0312	C 8" Length, 50 Lb. Tensile Strength, Nylon Cable Ties	38.61		
	For Up To 0.1, Add	26.72		
	For >0.1 To 0.25, Add	13.36		
	For >0.25 To 0.75, Add	6.68		
	For >2.0, Deduct	-2.67		
	For UV Black, Add	1.78		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.02		
26 05 29 00-0313	C 11" Length, 50 Lb. Tensile Strength, Nylon Cable Ties	58.06		
	For Up To 0.1, Add	28.81		
	For >0.1 To 0.25, Add	14.41		
	For >0.25 To 0.75, Add	7.20		
	For >2.0, Deduct	-2.88		
	For UV Black, Add	4.39		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.64		
26 05 29 00-0314	C 14-1/2" Length, 50 Lb. Tensile Strength, Nylon Cable Ties	66.58		
	For Up To 0.1, Add	30.62		
	For >0.1 To 0.25, Add	15.31		
	For >0.25 To 0.75, Add	7.66		
	For >2.0, Deduct	-3.06		
	For UV Black, Add	5.39		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.19		
26 05 29 00-0315	C 8" Length, 120 Lb. Tensile Strength, Nylon Cable Ties	65.30		
	For Up To 0.1, Add	26.72		
	For >0.1 To 0.25, Add	13.36		
	For >0.25 To 0.75, Add	6.68		
	For >2.0, Deduct	-2.67		
	For UV Black, Add	5.79		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.02		
26 05 29 00-0316	C 11" Length, 120 Lb. Tensile Strength, Nylon Cable Ties	71.52		
	For Up To 0.1, Add	28.81		
	For >0.1 To 0.25, Add	14.41		
	For >0.25 To 0.75, Add	7.20		
	For >2.0, Deduct	-2.88		
	For UV Black, Add	6.41		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.64		
26 05 29 00-0317	C 15" Length, 120 Lb. Tensile Strength, Nylon Cable Ties	86.80		
	For Up To 0.1, Add	30.62		
	For >0.1 To 0.25, Add	15.31		
	For >0.25 To 0.75, Add	7.66		
	For >2.0, Deduct	-3.06		
	For UV Black, Add	8.43		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.19		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0318	C		17" Length, 120 Lb. Tensile Strength, Nylon Cable Ties	124.71	
			For Up To 0.1, Add	32.66	
			For >0.1 To 0.25, Add	16.33	
			For >0.25 To 0.75, Add	8.17	
			For >2.0, Deduct	-3.27	
			For UV Black, Add	13.81	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.80	
26 05 29 00-0319	C		17-3/4" Length, 175 Lb. Tensile Strength, Nylon Cable Ties	120.78	
			For Up To 0.1, Add	32.66	
			For >0.1 To 0.25, Add	16.33	
			For >0.25 To 0.75, Add	8.17	
			For >2.0, Deduct	-3.27	
			For UV Black, Add	13.22	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.80	
26 05 29 00-0320	C		21-11/16" Length, 175 Lb. Tensile Strength, Nylon Cable Ties	147.42	
			For Up To 0.1, Add	34.18	
			For >0.1 To 0.25, Add	17.09	
			For >0.25 To 0.75, Add	8.55	
			For >2.0, Deduct	-3.42	
			For UV Black, Add	16.99	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.25	
26 05 29 00-0321	C		30" Length, 175 Lb. Tensile Strength, Nylon Cable Ties	170.81	
			For Up To 0.1, Add	35.84	
			For >0.1 To 0.25, Add	17.92	
			For >0.25 To 0.75, Add	8.96	
			For >2.0, Deduct	-3.58	
			For UV Black, Add	20.25	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.75	
26 05 29 00-0322	C		46" Length, 175 Lb. Tensile Strength, Nylon Cable Ties	234.78	
			For Up To 0.1, Add	38.67	
			For >0.1 To 0.25, Add	19.34	
			For >0.25 To 0.75, Add	9.67	
			For >2.0, Deduct	-3.87	
			For UV Black, Add	29.42	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.60	
26 05 29 00-0323	C		3/4" x 3/4" Self Adhesive Tie Mounts	39.63	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.03	
26 05 29 00-0324	C		1.1" x 1.1" Tie Mounts With Screw	78.50	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.04	
26 05 29 00-0325	EA		6" Length x 1/2" Width, Velcro Grip Cable Tie	2.44	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.18	
26 05 29 00-0326	EA		8" Length x 1/2" Width, Velcro Grip Cable Tie	2.45	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.15	
26 05 29 00-0327	EA		12" Length x 1/2" Width, Velcro Grip Cable Tie	3.02	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.15	
26 05 29 00-0328	EA		15" Length x 3/4" Width, Velcro Grip Cable Tie	4.26	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.15	
26 05 29 00-0329	EA		180" Length x 3/4" Width, Velcro Grip Cable Tie Roll	109.94	
			Note: Cut to length.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.10	
26 05 29 00-0330			Fastening Devices For Wireway And Conduit (26 05 29)		
			Note: Includes drilling of holes with power tools in concrete, brick, concrete block, wood, tile or steel and alignment of hangers and supports for bolts.		
26 05 29 00-0331			Toggle Bolts (26 05 29 00-0330)		
			Note: Includes machine screw, toggle wing and drilling in concrete, concrete block, wood or steel.		
26 05 29 00-0332	EA		1/8" Diameter, 3" Length, Zinc Plated Steel, Toggle Bolt	9.20	
			For >100 To 250, Deduct	-1.75	
			For >500, Deduct	-4.35	
			For >250 To 500, Deduct	-3.05	
			For >50 To 100, Deduct	-0.87	
26 05 29 00-0333	EA		1/8" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt	9.45	
			For >100 To 250, Deduct	-1.79	
			For >500, Deduct	-4.46	
			For >250 To 500, Deduct	-3.13	
			For >50 To 100, Deduct	-0.90	
26 05 29 00-0334	EA		3/16" Diameter, 3" Length, Zinc Plated Steel, Toggle Bolt	9.99	
			For >100 To 250, Deduct	-1.85	
			For >500, Deduct	-4.60	
			For >250 To 500, Deduct	-3.22	
			For >50 To 100, Deduct	-0.92	
26 05 29 00-0335	EA		3/16" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt	10.25	
			For >100 To 250, Deduct	-1.90	
			For >500, Deduct	-4.71	
			For >250 To 500, Deduct	-3.30	
			For >50 To 100, Deduct	-0.95	
26 05 29 00-0336	EA		1/4" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt	10.48	
			For >100 To 250, Deduct	-1.94	
			For >500, Deduct	-4.82	
			For >250 To 500, Deduct	-3.38	
			For >50 To 100, Deduct	-0.97	
26 05 29 00-0337	EA		5/16" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt	12.03	
			For >100 To 250, Deduct	-2.05	
			For >500, Deduct	-5.07	
			For >250 To 500, Deduct	-3.56	
			For >50 To 100, Deduct	-1.03	

26 Electrical**26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 29 00-0338	EA	3/8" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt.....	12.54
		For >100 To 250, Deduct	-2.11
		For >500, Deduct	-5.20
		For >250 To 500, Deduct	-3.65
		For >50 To 100, Deduct	-1.05

26 05 29 00-0339 Machine Screws (26 05 29 00-0330)

Note: Includes drilling in concrete, concrete block, wood or steel.

26 05 29 00-0340	EA	#8 Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	2.71
		For >100 To 250, Deduct	-0.53
		For >500, Deduct	-1.32
		For >250 To 500, Deduct	-0.92
		For >50 To 100, Deduct	-0.26
26 05 29 00-0341	EA	#10 Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	2.76
		For >100 To 250, Deduct	-0.53
		For >500, Deduct	-1.32
		For >250 To 500, Deduct	-0.92
		For >50 To 100, Deduct	-0.26
26 05 29 00-0342	EA	1/4" Diameter, 2" Length, Zinc Plated Steel, Machine Screw	3.46
		For >100 To 250, Deduct	-0.66
		For >500, Deduct	-1.65
		For >250 To 500, Deduct	-1.16
		For >50 To 100, Deduct	-0.33
26 05 29 00-0343	EA	5/16" Diameter, 2" Length, Zinc Plated Steel, Machine Screw	3.64
		For >100 To 250, Deduct	-0.67
		For >500, Deduct	-1.67
		For >250 To 500, Deduct	-1.17
		For >50 To 100, Deduct	-0.34
26 05 29 00-0344	EA	3/8" Diameter, 2" Length, Zinc Plated Steel, Machine Screw	4.50
		For >100 To 250, Deduct	-0.81
		For >500, Deduct	-2.01
		For >250 To 500, Deduct	-1.41
		For >50 To 100, Deduct	-0.41

26 05 29 00-0345 Hex Lag Bolts With Lag Shield Expansion Anchors (26 05 29 00-0330)

Note: Includes lag bolt, lag shield expansion anchor and drilling in concrete, concrete block, wood or steel.

26 05 29 00-0346	EA	1/4" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	4.57
		For >100 To 250, Deduct	-0.72
		For >500, Deduct	-1.77
		For >250 To 500, Deduct	-1.24
		For >50 To 100, Deduct	-0.36
26 05 29 00-0347	EA	5/16" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	4.50
		For >100 To 250, Deduct	-0.72
		For >500, Deduct	-1.76
		For >250 To 500, Deduct	-1.24
		For >50 To 100, Deduct	-0.36
26 05 29 00-0348	EA	3/8" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	6.48
		For >100 To 250, Deduct	-0.91
		For >500, Deduct	-2.21
		For >250 To 500, Deduct	-1.56
		For >50 To 100, Deduct	-0.45
26 05 29 00-0349	EA	1/2" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	8.33
		For >100 To 250, Deduct	-1.10
		For >500, Deduct	-2.65
		For >250 To 500, Deduct	-1.87
		For >50 To 100, Deduct	-0.55

26 05 29 00-0350 Hanger Lag Bolts With Hex Nuts (26 05 29 00-0330)

Note: Includes hanger lag bolt (threaded one side), hex nut and drilling in concrete, concrete block, wood or steel.

26 05 29 00-0351	EA	1/4" Diameter, 2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut.....	3.39
		For >100 To 250, Deduct	-0.56
		For >500, Deduct	-1.38
		For >250 To 500, Deduct	-0.97
		For >50 To 100, Deduct	-0.28
26 05 29 00-0352	EA	5/16" Diameter, 2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut.....	3.45
		For >100 To 250, Deduct	-0.56
		For >500, Deduct	-1.39
		For >250 To 500, Deduct	-0.98
		For >50 To 100, Deduct	-0.28
26 05 29 00-0353	EA	3/8" Diameter, 2-1/2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut.....	4.11
		For >100 To 250, Deduct	-0.64
		For >500, Deduct	-1.58
		For >250 To 500, Deduct	-1.11
		For >50 To 100, Deduct	-0.32

26 05 29 00-0354 Hollow Wall Screw Anchors (26 05 29 00-0330)

26 05 29 00-0355	EA	6-32 Screw Size, 5/16" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	1.99
		For >100 To 250, Deduct	-0.33
		For >500, Deduct	-0.82
		For >250 To 500, Deduct	-0.58
		For >50 To 100, Deduct	-0.17

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
26 05 29 00-0356	EA		6-32 Screw Size, 5/16" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	2.06	
			For >100 To 250, Deduct	-0.34	
			For >500, Deduct	-0.83	
			For >250 To 500, Deduct	-0.58	
			For >50 To 100, Deduct	-0.17	
26 05 29 00-0357	EA		6-32 Screw Size, 5/16" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	2.16	
			For >100 To 250, Deduct	-0.34	
			For >500, Deduct	-0.84	
			For >250 To 500, Deduct	-0.59	
			For >50 To 100, Deduct	-0.17	
26 05 29 00-0358	EA		10-24 Screw Size, 3/8" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	2.77	
			For >100 To 250, Deduct	-0.41	
			For >500, Deduct	-1.01	
			For >250 To 500, Deduct	-0.71	
			For >50 To 100, Deduct	-0.21	
26 05 29 00-0359	EA		10-24 Screw Size, 3/8" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	2.92	
			For >100 To 250, Deduct	-0.42	
			For >500, Deduct	-1.02	
			For >250 To 500, Deduct	-0.72	
			For >50 To 100, Deduct	-0.21	
26 05 29 00-0360	EA		10-24 Screw Size, 3/8" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	2.96	
			For >100 To 250, Deduct	-0.42	
			For >500, Deduct	-1.02	
			For >250 To 500, Deduct	-0.72	
			For >50 To 100, Deduct	-0.21	
26 05 29 00-0361	EA		1/4-20 Screw Size, 7/16" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	2.99	
			For >100 To 250, Deduct	-0.42	
			For >500, Deduct	-1.03	
			For >250 To 500, Deduct	-0.72	
			For >50 To 100, Deduct	-0.21	
26 05 29 00-0362	EA		1/4-20 Screw Size, 7/16" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	3.21	
			For >100 To 250, Deduct	-0.43	
			For >500, Deduct	-1.05	
			For >250 To 500, Deduct	-0.74	
			For >50 To 100, Deduct	-0.22	
26 05 29 00-0363	EA		1/4-20 Screw Size, 7/16" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	3.29	
			For >100 To 250, Deduct	-0.44	
			For >500, Deduct	-1.06	
			For >250 To 500, Deduct	-0.75	
			For >50 To 100, Deduct	-0.22	
26 05 29 00-0364			Lead Screw Anchors (26 05 29 00-0330)		
			Note: Includes screw.		
26 05 29 00-0365	EA		#6-8 Screw Size, 1/4" Hole Diameter, Lead Screw Anchor With Screw.....	4.56	
			For >100 To 250, Deduct	-0.83	
			For >500, Deduct	-2.06	
			For >250 To 500, Deduct	-1.44	
			For >50 To 100, Deduct	-0.41	
26 05 29 00-0366	EA		#10-14 Screw Size, 5/16" Hole Diameter, Lead Screw Anchor With Screw.....	5.44	
			For >100 To 250, Deduct	-0.97	
			For >500, Deduct	-2.39	
			For >250 To 500, Deduct	-1.68	
			For >50 To 100, Deduct	-0.48	
26 05 29 00-0367	EA		#16-18 Screw Size, 5/16" Hole Diameter, Lead Screw Anchor With Screw.....	7.42	
			For >100 To 250, Deduct	-1.25	
			For >500, Deduct	-3.09	
			For >250 To 500, Deduct	-2.17	
			For >50 To 100, Deduct	-0.63	
26 05 29 00-0368			Acoustical T-Bar Clips (26 05 29 00-0330)		
			Note: For conduit installation above suspended ceilings up to 15' height.		
26 05 29 00-0369	EA		1/2" Conduit, Push-In Acoustical T-Bar Clip.....	7.74	
			For >100 To 250, Deduct	-1.14	
			For >500, Deduct	-2.77	
			For >250 To 500, Deduct	-1.95	
			For >50 To 100, Deduct	-0.57	
26 05 29 00-0370	EA		3/4" Conduit, Push-In Acoustical T-Bar Clip.....	8.12	
			For >100 To 250, Deduct	-1.20	
			For >500, Deduct	-2.92	
			For >250 To 500, Deduct	-2.06	
			For >50 To 100, Deduct	-0.60	
26 05 29 00-0371	EA		1" Conduit, Push-In Acoustical T-Bar Clip.....	8.87	
			For >100 To 250, Deduct	-1.28	
			For >500, Deduct	-3.11	
			For >250 To 500, Deduct	-2.19	
			For >50 To 100, Deduct	-0.64	
26 05 29 00-0372			Threaded Rod, Accessories And Attachments (26 05 29)		
26 05 29 00-0373			Threaded Rod And Rod Accessories (26 05 29 00-0372)		
26 05 29 00-0374			Carbon Steel Threaded Rod (26 05 29 00-0373)		
			Note: Includes plain finish.		
26 05 29 00-0375	LF		3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod.....	4.47	0.74
			For Zinc Coated, Add	0.86	
			For Galvanized, Add	1.20	

26 Electrical**26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 05 29 00-0376	LF 1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod <i>For Zinc Coated, Add</i> <i>For Galvanized, Add</i>	6.34 1.36 1.91		0.78
26 05 29 00-0377	LF 5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod <i>For Zinc Coated, Add</i> <i>For Galvanized, Add</i>	9.02 2.11 2.96		0.81
26 05 29 00-0378	LF 3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod <i>For Zinc Coated, Add</i> <i>For Galvanized, Add</i>	15.10 3.83 5.37		0.83
26 05 29 00-0379	LF 7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod <i>For Zinc Coated, Add</i> <i>For Galvanized, Add</i>	16.49 4.21 5.90		0.86
26 05 29 00-0380	LF 1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod <i>For Zinc Coated, Add</i> <i>For Galvanized, Add</i>	22.68 5.91 8.29		0.97
26 05 29 00-0381	LF 1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod <i>For Zinc Coated, Add</i> <i>For Galvanized, Add</i>	28.32 7.45 10.46		1.08

26 05 29 00-0382 Threaded Rod Couplings (26 05 29 00-0373)

26 05 29 00-0383	EA 3/8" Diameter, Threaded Rod Coupling Nut.....	9.65		
26 05 29 00-0384	EA 1/2" Diameter, Threaded Rod Coupling Nut.....	10.96		
26 05 29 00-0385	EA 5/8" Diameter, Threaded Rod Coupling Nut.....	13.81		
26 05 29 00-0386	EA 3/4" Diameter, Threaded Rod Coupling Nut.....	16.97		
26 05 29 00-0387	EA 7/8" Diameter, Threaded Rod Coupling Nut.....	25.29		
26 05 29 00-0388	EA 1" Diameter, Threaded Rod Coupling Nut.....	30.01		
26 05 29 00-0389	EA 1-1/8" Diameter, Threaded Rod Coupling Nut.....	58.56		

26 05 29 00-0390 Flat Washers (26 05 29 00-0373)

26 05 29 00-0391	EA 3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer..... <i>For Galvanized, Add</i>	0.83 0.04		0.29
26 05 29 00-0392	EA 1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer..... <i>For Galvanized, Add</i>	1.07 0.09		0.29
26 05 29 00-0393	EA 5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer..... <i>For Galvanized, Add</i>	1.43 0.17		0.29
26 05 29 00-0394	EA 3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer..... <i>For Galvanized, Add</i>	1.76 0.24		0.59
26 05 29 00-0395	EA 7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer..... <i>For Galvanized, Add</i>	1.99 0.28		0.59
26 05 29 00-0396	EA 1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer..... <i>For Galvanized, Add</i>	2.37 0.35		0.59
26 05 29 00-0397	EA 1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer..... <i>For Galvanized, Add</i>	2.65 0.39		0.59

26 05 29 00-0398 Malleable Iron Eye Sockets (26 05 29 00-0373)

Note: Type 16.

26 05 29 00-0399	EA 3/8" Rod Size, Malleable Iron Eye Socket.....	13.30		
26 05 29 00-0400	EA 1/2" Rod Size, Malleable Iron Eye Socket.....	16.05		
26 05 29 00-0401	EA 5/8" Rod Size, Malleable Iron Eye Socket.....	28.87		
26 05 29 00-0402	EA 3/4" Rod Size, Malleable Iron Eye Socket.....	41.66		
26 05 29 00-0403	EA 7/8" Rod Size, Malleable Iron Eye Socket.....	44.28		

26 05 29 00-0404 Hex Nuts (26 05 29 00-0373)

26 05 29 00-0405	EA 3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut..... <i>For Galvanized, Add</i>	0.80 0.03		0.29
26 05 29 00-0406	EA 1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut..... <i>For Galvanized, Add</i>	1.02 0.07		0.29
26 05 29 00-0407	EA 5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut..... <i>For Galvanized, Add</i>	1.43 0.17		0.29
26 05 29 00-0408	EA 3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut..... <i>For Galvanized, Add</i>	1.70 0.22		0.59
26 05 29 00-0409	EA 7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut..... <i>For Galvanized, Add</i>	2.54 0.42		0.59
26 05 29 00-0410	EA 1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut..... <i>For Galvanized, Add</i>	3.25 0.57		0.59
26 05 29 00-0411	EA 1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut..... <i>For Galvanized, Add</i>	5.38 1.08		0.59

26 05 29 00-0412 Forged Steel Turnbuckles (26 05 29 00-0373)

Note: Type 13.

26 05 29 00-0413	EA 3/8" Thread Diameter, Forged Steel Turnbuckle Body.....	31.96		
26 05 29 00-0414	EA 1/2" Thread Diameter, Forged Steel Turnbuckle Body.....	39.90		
26 05 29 00-0415	EA 5/8" Thread Diameter, Forged Steel Turnbuckle Body.....	54.24		
26 05 29 00-0416	EA 3/4" Thread Diameter, Forged Steel Turnbuckle Body.....	67.51		
26 05 29 00-0417	EA 7/8" Thread Diameter, Forged Steel Turnbuckle Body.....	172.42		
26 05 29 00-0418	EA 1" Thread Diameter, Forged Steel Turnbuckle Body.....	111.75		
26 05 29 00-0419	EA 1-1/4" Thread Diameter, Forged Steel Turnbuckle Body.....	229.84		

26 05 29 00-0420 Attachments (26 05 29 00-0372)

MINOR		DESCRIPTION	TOTAL DIRECT		DEMOLITION
CSI	UOM		UNIT COST	UNIT COST	
26 05 29 00-0421		Welded Beam Attachments (26 05 29 00-0420) Note: Type 22.			
26 05 29 00-0422	EA	3/8" Rod Size, Welded Beam Attachment	58.14		11.74
26 05 29 00-0423	EA	1/2" Rod Size, Welded Beam Attachment	62.10		12.33
26 05 29 00-0424	EA	5/8" Rod Size, Welded Beam Attachment	66.16		13.03
26 05 29 00-0425	EA	3/4" Rod Size, Welded Beam Attachment	85.67		13.85
26 05 29 00-0426	EA	7/8" Rod Size, Welded Beam Attachment	103.64		14.67
26 05 29 00-0427	EA	1" Rod Size, Welded Beam Attachment	146.96		16.79
26 05 29 00-0428	EA	1-1/8" Rod Size, Welded Beam Attachment	210.82		17.61
26 05 29 00-0429		C-Clamp Style Beam Clamps (26 05 29 00-0420) Note: Type 23. Top or bottom flange mount.			
26 05 29 00-0430	EA	3/8" Rod Size, C-Clamp Style Beam Clamp	18.94		8.82
26 05 29 00-0431	EA	1/2" Rod Size, C-Clamp Style Beam Clamp	23.01		9.41
26 05 29 00-0432	EA	5/8" Rod Size, C-Clamp Style Beam Clamp	26.34		10.08
26 05 29 00-0433	EA	3/4" Rod Size, C-Clamp Style Beam Clamp	34.65		10.85
26 05 29 00-0434	EA	7/8" Rod Size, C-Clamp Style Beam Clamp	51.77		11.76
26 05 29 00-0435		Bottom Mount I-Beam Clamps (26 05 29 00-0420) Note: Type 21. For attaching threaded rod centered under beam flanges.			
26 05 29 00-0436	EA	3/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	56.83		11.76
26 05 29 00-0437	EA	1/2" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	85.16		12.83
26 05 29 00-0438	EA	5/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	123.25		14.11
26 05 29 00-0439	EA	3/4" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	147.97		15.67
26 05 29 00-0440	EA	1" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	365.86		17.64
26 05 29 00-0441		Steel U-Bolts (26 05 29 00-0420) Note: Type 24. Includes plate and nuts.			
26 05 29 00-0442	EA	1/2" Pipe Size, Zinc Plated Steel, U-Bolt	15.49		7.06
26 05 29 00-0443	EA	3/4" Pipe Size, Zinc Plated Steel, U-Bolt	16.89		7.43
26 05 29 00-0444	EA	1" Pipe Size, Zinc Plated Steel, U-Bolt	18.23		7.84
26 05 29 00-0445	EA	1-1/4" Pipe Size, Zinc Plated Steel, U-Bolt	20.95		8.30
26 05 29 00-0446	EA	1-1/2" Pipe Size, Zinc Plated Steel, U-Bolt	21.55		8.82
26 05 29 00-0447	EA	2" Pipe Size, Zinc Plated Steel, U-Bolt	23.07		9.41
26 05 29 00-0448	EA	2-1/2" Pipe Size, Zinc Plated Steel, U-Bolt	34.53		10.08
26 05 29 00-0449	EA	3" Pipe Size, Zinc Plated Steel, U-Bolt	38.16		10.85
26 05 29 00-0450	EA	4" Pipe Size, Zinc Plated Steel, U-Bolt	46.60		11.76
26 05 29 00-0451		Stainless Steel Threaded Rod (26 05 29 00-0372)			
26 05 29 00-0452	LF	1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	3.83		0.59
		For 316 Stainless Steel, Add	1.08		
26 05 29 00-0453	LF	5/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	5.85		0.64
		For 316 Stainless Steel, Add	1.84		
26 05 29 00-0454	LF	3/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	7.54		0.74
		For 316 Stainless Steel, Add	2.46		
26 05 29 00-0455	LF	7/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	10.55		0.76
		For 316 Stainless Steel, Add	3.66		
26 05 29 00-0456	LF	1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod	12.69		0.78
		For 316 Stainless Steel, Add	4.50		
26 05 29 00-0457	LF	5/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	19.13		0.79
		For 316 Stainless Steel, Add	7.10		
26 05 29 00-0458	LF	3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	26.86		0.81
		For 316 Stainless Steel, Add	10.22		
26 05 29 00-0459	LF	7/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	37.02		0.83
		For 316 Stainless Steel, Add	14.32		
26 05 29 00-0460	LF	1" Diameter, 304/18-8 Stainless Steel Threaded Rod	47.60		0.97
		For 316 Stainless Steel, Add	18.48		
26 05 29 00-0461	LF	1-1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	100.99		1.17
		For 316 Stainless Steel, Add	39.91		
26 05 29 00-0462		Polyvinyl Chloride (PVC) Coated Supports (26 05 29) Note: Includes stainless steel and/or Polyvinyl Chloride (PVC) coated hardware.			
26 05 29 00-0463		Polyvinyl Chloride (PVC) Coated Beam Clamps (26 05 29 00-0462)			
26 05 29 00-0464		Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamps (26 05 29 00-0463)			
26 05 29 00-0465	EA	1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	62.76		23.47
26 05 29 00-0466	EA	3/4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	68.21		25.59
26 05 29 00-0467	EA	1", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	72.79		28.16
26 05 29 00-0468	EA	1-1/4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	87.30		31.34
26 05 29 00-0469	EA	1-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	100.83		35.21
26 05 29 00-0470	EA	2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	120.59		38.73
26 05 29 00-0471	EA	2-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	131.87		42.26
26 05 29 00-0472	EA	3", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	145.21		45.77
26 05 29 00-0473	EA	3-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	153.38		49.29
26 05 29 00-0474	EA	4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	165.77		52.82
26 05 29 00-0475		Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamps (26 05 29 00-0463)			
26 05 29 00-0476	EA	1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	67.33		23.47
26 05 29 00-0477	EA	3/4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	71.31		25.59

26 Electrical**26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 29 00-0478	EA	1", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	82.05	28.16
26 05 29 00-0479	EA	1-1/4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	90.59	31.34
26 05 29 00-0480	EA	1-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	102.10	35.21
26 05 29 00-0481	EA	2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	118.41	38.73
26 05 29 00-0482	EA	2-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	136.00	42.26
26 05 29 00-0483	EA	3", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	150.69	45.77
26 05 29 00-0484	EA	3-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	160.25	49.29
26 05 29 00-0485	EA	4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	166.69	52.82

26 05 29 00-0486 Edge, Polyvinyl Chloride (PVC) Coated Beam Clamps (26 05 29 00-0463)

26 05 29 00-0487	EA	1/2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	63.60	23.24
26 05 29 00-0488	EA	3/4", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	68.41	25.35
26 05 29 00-0489	EA	1", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	77.44	28.16
26 05 29 00-0490	EA	1-1/4", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	90.84	30.99
26 05 29 00-0491	EA	1-1/2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	118.28	35.21
26 05 29 00-0492	EA	2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	129.70	38.73

26 05 29 00-0493 Polyvinyl Chloride (PVC) Coated Conduit Straps (26 05 29 00-0462)**26 05 29 00-0494 One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Straps** (26 05 29 00-0493)

26 05 29 00-0495	EA	1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	7.67	0.70
26 05 29 00-0496	EA	3/4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	8.33	0.70
26 05 29 00-0497	EA	1", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	12.23	0.70
26 05 29 00-0498	EA	1-1/4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	14.87	0.70
26 05 29 00-0499	EA	1-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	19.57	0.70
26 05 29 00-0500	EA	2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	29.38	0.70
26 05 29 00-0501	EA	2-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	39.13	0.70
26 05 29 00-0502	EA	3", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	52.41	0.70
26 05 29 00-0503	EA	3-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	92.74	0.70
26 05 29 00-0504	EA	4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	98.56	0.70

26 05 29 00-0505 Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Straps (26 05 29 00-0493)

26 05 29 00-0506	EA	1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	15.13	1.41
26 05 29 00-0507	EA	3/4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	15.19	1.41
26 05 29 00-0508	EA	1", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	15.59	1.41
26 05 29 00-0509	EA	1-1/4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	19.61	1.41
26 05 29 00-0510	EA	1-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	20.15	1.41
26 05 29 00-0511	EA	2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	23.12	1.41
26 05 29 00-0512	EA	2-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	25.99	1.41
26 05 29 00-0513	EA	3", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	27.18	1.41
26 05 29 00-0514	EA	3-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	29.02	1.41
26 05 29 00-0515	EA	4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	31.48	1.41

26 05 29 00-0516 Polyvinyl Chloride (PVC) Coated Clamp Back Spacer (26 05 29 00-0462)**26 05 29 00-0517 Polyvinyl Chloride (PVC) Coated Clamp Back Spacer** (26 05 29 00-0516)

26 05 29 00-0518	EA	1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	13.72	1.41
26 05 29 00-0519	EA	3/4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	15.96	1.41
26 05 29 00-0520	EA	1" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	20.07	1.41
26 05 29 00-0521	EA	1-1/4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	23.47	1.41
26 05 29 00-0522	EA	1-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	31.42	1.41
26 05 29 00-0523	EA	2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	53.84	1.41
26 05 29 00-0524	EA	2-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	77.12	1.41
26 05 29 00-0525	EA	3" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	105.31	1.41
26 05 29 00-0526	EA	3-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	184.32	1.41
26 05 29 00-0527	EA	4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	184.32	1.41

26 05 29 00-0528 Polyvinyl Chloride (PVC) Coated Threaded Rod And Accessories (26 05 29 00-0462)**26 05 29 00-0529 Polyvinyl Chloride (PVC) Coated Threaded Rod** (26 05 29 00-0528)

26 05 29 00-0530	LF	3/8" Diameter, Polyvinyl Chloride (PVC) Coated Threaded Rod	9.46	0.94
26 05 29 00-0531	LF	1/2" Diameter, Polyvinyl Chloride (PVC) Coated Threaded Rod	11.65	1.05

26 05 29 00-0532 Attachments (26 05 29 00-0462)**26 05 29 00-0533 Polyvinyl Chloride (PVC) Coated U-Bolts And Encapsulation Nuts** (26 05 29 00-0532)

26 05 29 00-0534	EA	1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	18.52	7.06
26 05 29 00-0535	EA	3/4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	19.14	7.41
26 05 29 00-0536	EA	1" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	20.15	7.88
26 05 29 00-0537	EA	1-1/4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	21.45	8.34
26 05 29 00-0538	EA	1-1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	22.84	8.82
26 05 29 00-0539	EA	2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	25.66	9.41
26 05 29 00-0540	EA	2-1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	36.98	10.11
26 05 29 00-0541	EA	3" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	38.79	10.81
26 05 29 00-0542	EA	4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	41.36	11.76
26 05 29 00-0543	EA	5" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	67.35	13.40
26 05 29 00-0544	EA	6" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	83.44	15.52

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST

26 05 29 00-0545			Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamps (26 05 29 00-0532)		
26 05 29 00-0546	EA		1/4", 20 Hole, 15/16" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	64.28	23.24
26 05 29 00-0547	EA		5/16", 18 Hole, 7/8" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	75.15	23.24
26 05 29 00-0548	EA		3/8", 16 Hole, 1" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	79.63	23.24
26 05 29 00-0549	EA		1/2", 13 Hole, 1" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	87.84	24.65
26 05 29 00-0550	EA		1/2", 13 Hole, 2-1/8" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	102.84	28.16

26 05 29 00-0551			Polyvinyl Chloride (PVC) Coated Pipe Straps (26 05 29 00-0532)		
			Note: Includes stainless steel nuts and bolts.		
26 05 29 00-0552	EA		1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap	23.23	7.75
26 05 29 00-0553	EA		3/4" Polyvinyl Chloride (PVC) Coated Pipe Strap	24.42	8.45
26 05 29 00-0554	EA		1" Polyvinyl Chloride (PVC) Coated Pipe Strap	26.61	9.15
26 05 29 00-0555	EA		1-1/4" Polyvinyl Chloride (PVC) Coated Pipe Strap	29.96	10.56
26 05 29 00-0556	EA		1-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap	34.29	11.97
26 05 29 00-0557	EA		2" Polyvinyl Chloride (PVC) Coated Pipe Strap	38.13	12.68
26 05 29 00-0558	EA		2-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap	42.13	14.08
26 05 29 00-0559	EA		3" Polyvinyl Chloride (PVC) Coated Pipe Strap	50.12	15.50
26 05 29 00-0560	EA		3-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap	54.80	16.20
26 05 29 00-0561	EA		4" Polyvinyl Chloride (PVC) Coated Pipe Strap	57.58	17.61
26 05 29 00-0562	EA		5" Polyvinyl Chloride (PVC) Coated Pipe Strap	61.52	19.71

26 05 29 00-0563			Polyvinyl Chloride (PVC) Coated Channel (26 05 29 00-0462)		
26 05 29 00-0564	LF		A12, Polyvinyl Chloride (PVC) Coated Channel	24.11	3.52
26 05 29 00-0565	LF		A12A, Polyvinyl Chloride (PVC) Coated Channel	42.69	4.93
26 05 29 00-0566	LF		A12P, Polyvinyl Chloride (PVC) Coated Channel	25.74	3.52
26 05 29 00-0567	LF		C14, Polyvinyl Chloride (PVC) Coated Channel	19.08	3.52
26 05 29 00-0568	LF		C14P, Polyvinyl Chloride (PVC) Coated Channel	20.10	3.52

26 05 29 00-0569			Right-Angle Wall Brackets (26 05 29)		
26 05 29 00-0570	EA		Right Angle Wall Mount (Oberon 1029-00)	390.59	117.57

26 05 29 00-0571			Polymer Concrete Pads (26 05 29)		
			Note: Excludes excavation and backfill.		

26 05 29 00-0572			Polymer Concrete, Box Pads (26 05 29 00-0571)		
26 05 29 00-0573	EA		24" x 36", 18" Depth, Polymer Concrete, Box Pad	1,411.51	128.58
26 05 29 00-0574	EA		25" x 25", 24" Depth, Polymer Concrete, Box Pad	1,459.20	128.58
26 05 29 00-0575	EA		40" x 44", 15" Depth, Polymer Concrete, Box Pad	1,897.51	128.58
26 05 29 00-0576	EA		40" x 44", 24" Depth, Polymer Concrete, Box Pad	1,970.19	128.58
26 05 29 00-0577	EA		52" x 36", 18" Depth, Polymer Concrete, Box Pad	1,829.86	128.58
26 05 29 00-0578	EA		44" x 44", 32" Depth, Polymer Concrete, Box Pad	2,173.06	128.58
26 05 29 00-0579	EA		40" x 58", 24" Depth, Polymer Concrete, Box Pad	2,436.22	128.58
26 05 29 00-0580	EA		52" x 50", 18" Depth, Polymer Concrete, Box Pad	2,328.39	160.74
26 05 29 00-0581	EA		74" x 76", 36" Depth, Polymer Concrete, Box Pad	3,557.95	160.74
26 05 29 00-0582	EA		93" x 93", 36" Depth, Polymer Concrete, Box Pad	4,793.59	160.74

26 05 29 00-0583			Polymer Concrete, Telecommunications Equipment Pads (26 05 29 00-0571)		
26 05 29 00-0584	EA		42" x 42", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad	674.12	67.25
26 05 29 00-0585	EA		48" x 46", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad	804.42	67.25
26 05 29 00-0586	EA		60" x 42", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad	1,047.08	96.44
26 05 29 00-0587	EA		54" x 48", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	1,095.51	96.44
26 05 29 00-0588	EA		57" x 60", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	1,588.48	96.44
26 05 29 00-0589	EA		72" x 60", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	1,657.00	96.44
26 05 29 00-0590	EA		64" x 72", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	1,784.67	96.44
26 05 29 00-0591	EA		72" x 64", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	1,784.67	96.44
26 05 29 00-0592	EA		76" x 84", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	3,388.57	96.44
26 05 29 00-0593	EA		96" x 84", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	3,846.23	96.44

26 05 29 00-0594			Polymer Concrete, Electrical Equipment Pads (26 05 29 00-0571)		
26 05 29 00-0595	EA		24" x 25", 2" Thick, Polymer Concrete, Electrical Equipment Pad	398.15	67.25
26 05 29 00-0596	EA		24" x 36", 2" Thick, Polymer Concrete, Electrical Equipment Pad	431.64	67.25
26 05 29 00-0597	EA		24" x 44", 2" Thick, Polymer Concrete, Electrical Equipment Pad	462.16	67.25
26 05 29 00-0598	EA		24" x 58", 2" Thick, Polymer Concrete, Electrical Equipment Pad	563.51	67.25
26 05 29 00-0599	EA		40" x 40", 3" Thick, Polymer Concrete, Electrical Equipment Pad	518.28	67.25
26 05 29 00-0600	EA		42" x 42", 3" Thick, Polymer Concrete, Electrical Equipment Pad	539.60	67.25
26 05 29 00-0601	EA		48" x 42", 4" Thick, Polymer Concrete, Electrical Equipment Pad	594.85	67.25
26 05 29 00-0602	EA		48" x 46", 3" Thick, Polymer Concrete, Electrical Equipment Pad	627.08	67.25
26 05 29 00-0603	EA		54" x 48", 4" Thick, Polymer Concrete, Electrical Equipment Pad	734.73	67.25
26 05 29 00-0604	EA		56" x 44", 3" Thick, Polymer Concrete, Electrical Equipment Pad	912.04	67.25
26 05 29 00-0605	EA		64" x 64", 4" Thick, Polymer Concrete, Electrical Equipment Pad	1,350.99	96.44
26 05 29 00-0606	EA		66" x 72", 4" Thick, Polymer Concrete, Electrical Equipment Pad	1,415.79	96.44
26 05 29 00-0607	EA		75" x 52", 4" Thick, Polymer Concrete, Electrical Equipment Pad	1,436.24	96.44
26 05 29 00-0608	EA		90" x 48", 4" Thick, Polymer Concrete, Electrical Equipment Pad	1,572.48	96.44
26 05 29 00-0609	EA		84" x 96", 4" Thick, Polymer Concrete, Electrical Equipment Pad	3,394.72	96.44
26 05 29 00-0610	EA		96" x 80", 4" Thick, Polymer Concrete, Electrical Equipment Pad	4,005.09	96.44

26 05 33 Raceway and Boxes for Electrical Systems (26 05)

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
26 05 33 13 Conduit for Electrical Systems (26 05 33)**26 05 33 13-0001 Conduit Assemblies With Wire (26 05 33 13)**

Note: Includes conduit, field bending conduit up to and including 1", fittings and wire. Excludes hangers or supports.

26 05 33 13-0002 Electrical Metallic Tubing (EMT) Conduit Assemblies (26 05 33 13-0001)

Note: Includes conduit, field bends, fittings, set screw connectors, set screw couplings, straps, and copper wire as indicated. Per CLF. See CSI section 26 05 19 16-0260 for larger copper conductor, 26 05 33 13-0599 for larger EMT conduit.

26 05 33 13-0003	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	886.41	262.07
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	224.67	
		For 2 #12 THWN Conductor Instead Of THHN, Add	1.94	
26 05 33 13-0004	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	970.16	284.59
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	243.97	
		For 3 #12 THWN Conductor Instead Of THHN, Add	2.91	
26 05 33 13-0005	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,053.91	307.11
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	263.27	
		For 4 #12 THWN Conductor Instead Of THHN, Add	3.88	
26 05 33 13-0006	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	938.10	273.33
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	234.32	
		For 2 #10 THWN Conductor Instead Of THHN, Add	2.91	
26 05 33 13-0007	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,042.32	299.61
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	256.84	
		For 3 #10 THWN Conductor Instead Of THHN, Add	4.36	
26 05 33 13-0008	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,146.54	325.87
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	279.36	
		For 4 #10 THWN Conductor Instead Of THHN, Add	5.82	
26 05 33 13-0009	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor	1,055.37	295.85
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	253.62	
		For 2 #8 THWN Conductor Instead Of THHN, Add	5.08	
26 05 33 13-0010	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	986.39	282.55
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	242.17	
		For 2 #12 THWN Conductor Instead Of THHN, Add	1.94	
26 05 33 13-0011	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,070.13	305.07
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	261.47	
		For 3 #12 THWN Conductor Instead Of THHN, Add	2.91	
26 05 33 13-0012	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,153.87	327.59
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	280.77	
26 05 33 13-0013	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,237.62	350.11
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	300.07	
		For 5 #12 THWN Conductor Instead Of THHN, Add	4.85	
26 05 33 13-0014	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,038.05	293.81
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	251.82	
		For 2 #10 THWN Conductor Instead Of THHN, Add	2.91	
26 05 33 13-0015	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,142.27	320.08
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	274.34	
		For 3 #10 THWN Conductor Instead Of THHN, Add	4.36	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0016	CLF		3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 4 #10 THWN Conductor Instead Of THHN, Add</i>	1,246.51 296.86 5.82	346.36
26 05 33 13-0017	CLF		3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 5 #10 THWN Conductor Instead Of THHN, Add</i>	1,350.72 319.37 7.27	372.63
26 05 33 13-0018	CLF		3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #8 THWN Conductor Instead Of THHN, Add</i>	1,302.59 300.07 7.61	350.11
26 05 33 13-0019	CLF		3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 4 #8 THWN Conductor Instead Of THHN, Add</i>	1,449.86 329.03 10.15	383.89
26 05 33 13-0020	CLF		3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #6 THWN Conductor Instead Of THHN, Add</i>	1,307.59 290.42 8.39	338.85
26 05 33 13-0021	CLF		3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #6 THWN Conductor Instead Of THHN, Add</i>	1,509.46 325.81 12.59	380.14
26 05 33 13-0022	CLF		1" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #12 THWN Conductor Instead Of THHN, Add</i>	1,126.52 260.70 1.94	304.11
26 05 33 13-0023	CLF		1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #12 THWN Conductor Instead Of THHN, Add</i>	1,210.27 280.00 2.91	326.63
26 05 33 13-0024	CLF		1" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	1,294.02 299.30	349.15
26 05 33 13-0025	CLF		1" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 5 #12 THWN Conductor Instead Of THHN, Add</i>	1,377.77 318.61 4.65	371.66
26 05 33 13-0026	CLF		1" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #10 THWN Conductor Instead Of THHN, Add</i>	1,178.18 270.35 2.91	315.37
26 05 33 13-0027	CLF		1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #10 THWN Conductor Instead Of THHN, Add</i>	1,282.41 292.87 4.36	341.64
26 05 33 13-0028	CLF		1" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 4 #10 THWN Conductor Instead Of THHN, Add</i>	1,386.63 315.39 5.82	367.90
26 05 33 13-0029	CLF		1" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 5 #10 THWN Conductor Instead Of THHN, Add</i>	1,490.85 337.91 7.27	394.18
26 05 33 13-0030	CLF		1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #8 THWN Conductor Instead Of THHN, Add</i>	1,442.73 318.61 7.61	371.66

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-0031	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor	1,649.59	401.68
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	344.34	
		<i>For 3 #6 THWN Conductor Instead Of THHN, Add</i>	12.59	
26 05 33 13-0032	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor	1,851.46	442.97
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	379.73	
		<i>For 4 #6 THWN Conductor Instead Of THHN, Add</i>	16.78	

26 05 33 13-0033 Rigid Galvanized Steel (RGS) Conduit Assemblies (26 05 33 13-0001)

Note: Includes conduit, field bends, fittings, terminations, straps, and copper wire as indicated. Per CLF. See CSI section 26 05 19 16-0260 for larger copper conductor, 26 05 33 13-0060 for larger RGS conduit.

26 05 33 13-0034	CLF	1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,179.79	298.31
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	255.68	
		<i>For 2 #12 THWN Conductor Instead Of THHN, Add</i>	1.94	
26 05 33 13-0035	CLF	1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,263.53	320.83
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	274.98	
		<i>For 3 #12 THWN Conductor Instead Of THHN, Add</i>	2.91	
26 05 33 13-0036	CLF	1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,231.46	309.57
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	265.33	
		<i>For 2 #10 THWN Conductor Instead Of THHN, Add</i>	2.91	
26 05 33 13-0037	CLF	1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,335.68	335.85
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	287.85	
		<i>For 3 #10 THWN Conductor Instead Of THHN, Add</i>	4.36	
26 05 33 13-0038	CLF	1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor	1,348.74	332.09
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	284.63	
		<i>For 2 #8 THWN Conductor Instead Of THHN, Add</i>	5.08	
26 05 33 13-0039	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,299.29	318.15
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	272.66	
		<i>For 2 #12 THWN Conductor Instead Of THHN, Add</i>	1.94	
26 05 33 13-0040	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,383.04	340.67
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	291.97	
		<i>For 3 #12 THWN Conductor Instead Of THHN, Add</i>	2.91	
26 05 33 13-0041	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,466.79	363.19
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	311.27	
26 05 33 13-0042	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,350.97	329.41
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	282.32	
		<i>For 2 #10 THWN Conductor Instead Of THHN, Add</i>	2.91	
26 05 33 13-0043	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,455.19	355.68
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	304.83	
		<i>For 3 #10 THWN Conductor Instead Of THHN, Add</i>	4.36	
26 05 33 13-0044	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,559.42	381.95
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	327.35	
		<i>For 4 #10 THWN Conductor Instead Of THHN, Add</i>	5.82	
26 05 33 13-0045	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor	1,615.51	385.71
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	330.57	
		<i>For 3 #8 THWN Conductor Instead Of THHN, Add</i>	7.61	
26 05 33 13-0046	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor	1,762.77	419.49
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	359.52	
		<i>For 4 #8 THWN Conductor Instead Of THHN, Add</i>	10.15	
26 05 33 13-0047	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor	1,620.51	374.45
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	320.92	
		<i>For 2 #6 THWN Conductor Instead Of THHN, Add</i>	8.39	
26 05 33 13-0048	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor	1,822.37	415.73
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	356.30	
		<i>For 3 #6 THWN Conductor Instead Of THHN, Add</i>	12.59	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0049	CLF		1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. For Work In Restricted Working Space, Add For 3 #12 THWN Conductor Instead Of THHN, Add	1,676.79 325.65 2.91	379.92
26 05 33 13-0050	CLF		1" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. For Work In Restricted Working Space, Add	1,760.54 344.95	402.44
26 05 33 13-0051	CLF		1" Rigid Galvanized Steel (RGS) Conduit Assembly With 5 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. For Work In Restricted Working Space, Add For 5 #12 THWN Conductor Instead Of THHN, Add	1,844.28 364.25 4.85	424.95
26 05 33 13-0052	CLF		1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. For Work In Restricted Working Space, Add For 3 #10 THWN Conductor Instead Of THHN, Add	1,748.94 338.52 4.36	394.93
26 05 33 13-0053	CLF		1" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. For Work In Restricted Working Space, Add For 4 #10 THWN Conductor Instead Of THHN, Add	1,853.16 361.04 5.82	421.20
26 05 33 13-0054	CLF		1" Rigid Galvanized Steel (RGS) Conduit Assembly With 5 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. For Work In Restricted Working Space, Add For 5 #10 THWN Conductor Instead Of THHN, Add	1,957.38 383.55 7.27	447.47
26 05 33 13-0055	CLF		1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. For Work In Restricted Working Space, Add For 3 #8 THWN Conductor Instead Of THHN, Add	1,909.25 364.25 7.61	424.95
26 05 33 13-0056	CLF		1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. For Work In Restricted Working Space, Add For 3 #6 THWN Conductor Instead Of THHN, Add	2,116.12 389.99 12.59	454.98
26 05 33 13-0057	CLF		1" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. For Work In Restricted Working Space, Add For 4 #6 THWN Conductor Instead Of THHN, Add	2,317.99 425.37 16.78	496.26
26 05 33 13-0058			Conduit (26 05 33 13) Note: Where 4-1/2" conduit is required, use tasks for 5" conduit. Add couplings as required at each fitting.		
26 05 33 13-0059			Conduit Installed Above Grade (26 05 33 13-0058)		
26 05 33 13-0060			Rigid Galvanized Steel (RGS) Or Galvanized Rigid Steel Conduit (GRC) Conduit (26 05 33 13-0059) Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-0061			Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling (26 05 33 13-0060) Note: Includes field bending conduit up to and including 1". See CSI section 26 05 33 13-2319 for field bending >1".		
26 05 33 13-0062	LF		1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling For Work In Restricted Working Space, Add For >500 To 1,000, Deduct For >250 To 500, Deduct For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add For >1,000, Deduct For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Installation In Metal Stud Wall, Add For Installation In Wood Stud Wall (Includes Drilling), Add	8.48 1.77 -0.49 -0.13 0.89 -0.70 0.59 1.18 1.48 2.07 2.36 2.95 3.25 0.59 1.48	2.36
26 05 33 13-0063	LF		3/4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling For Work In Restricted Working Space, Add For >500 To 1,000, Deduct For >250 To 500, Deduct For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add For >1,000, Deduct For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Installation In Metal Stud Wall, Add For Installation In Wood Stud Wall (Includes Drilling), Add	10.04 2.06 -0.58 -0.16 1.03 -0.83 0.69 1.37 1.72 2.40 2.74 3.43 3.77 0.69 1.72	2.58

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 05 33 13-0064	LF 1" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	14.14		3.00
	For Work In Restricted Working Space, Add	2.77		
	For >500 To 1,000, Deduct	-0.83		
	For >250 To 500, Deduct	-0.25		
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.38		
	For >1,000, Deduct	-1.18		
	For Elevated Installation >10' To 15', Add	0.92		
	For Elevated Installation >15' To 20', Add	1.84		
	For Elevated Installation >20' To 25', Add	2.31		
	For Elevated Installation >25' To 30', Add	3.23		
	For Elevated Installation >30' To 35', Add	3.69		
	For Elevated Installation >35' To 40', Add	4.61		
	For Elevated Installation >40', Add	5.07		
	For Installation In Metal Stud Wall, Add	0.92		
	For Installation In Wood Stud Wall (Includes Drilling), Add	2.31		
26 05 33 13-0065	LF 1-1/4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	16.32		3.43
	For Work In Restricted Working Space, Add	2.93		
	For >500 To 1,000, Deduct	-0.98		
	For >250 To 500, Deduct	-0.33		
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.46		
	For >1,000, Deduct	-1.39		
	For Elevated Installation >10' To 15', Add	0.98		
	For Elevated Installation >15' To 20', Add	1.95		
	For Elevated Installation >20' To 25', Add	2.44		
	For Elevated Installation >25' To 30', Add	3.42		
	For Elevated Installation >30' To 35', Add	3.90		
	For Elevated Installation >35' To 40', Add	4.88		
	For Elevated Installation >40', Add	5.37		
	For Installation In Metal Stud Wall, Add	0.98		
	For Installation In Wood Stud Wall (Includes Drilling), Add	2.44		
26 05 33 13-0066	LF 1-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	18.75		3.86
	For Work In Restricted Working Space, Add	3.22		
	For >500 To 1,000, Deduct	-1.14		
	For >250 To 500, Deduct	-0.40		
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.61		
	For >1,000, Deduct	-1.61		
	For Elevated Installation >10' To 15', Add	1.07		
	For Elevated Installation >15' To 20', Add	2.14		
	For Elevated Installation >20' To 25', Add	2.68		
	For Elevated Installation >25' To 30', Add	3.75		
	For Elevated Installation >30' To 35', Add	4.29		
	For Elevated Installation >35' To 40', Add	5.36		
	For Elevated Installation >40', Add	5.90		
	For Installation In Metal Stud Wall, Add	1.07		
	For Installation In Wood Stud Wall (Includes Drilling), Add	2.68		
26 05 33 13-0067	LF 2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	23.92		4.72
	For Work In Restricted Working Space, Add	3.95		
	For >500 To 1,000, Deduct	-1.46		
	For >250 To 500, Deduct	-0.54		
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.98		
	For >1,000, Deduct	-2.06		
	For Elevated Installation >10' To 15', Add	1.32		
	For Elevated Installation >15' To 20', Add	2.64		
	For Elevated Installation >20' To 25', Add	3.30		
	For Elevated Installation >25' To 30', Add	4.61		
	For Elevated Installation >30' To 35', Add	5.27		
	For Elevated Installation >35' To 40', Add	6.59		
	For Elevated Installation >40', Add	7.25		
	For Installation In Metal Stud Wall, Add	1.32		
	For Installation In Wood Stud Wall (Includes Drilling), Add	3.30		
26 05 33 13-0068	LF 2-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	35.71		6.44
	For Work In Restricted Working Space, Add	5.37		
	For >500 To 1,000, Deduct	-2.23		
	For >250 To 500, Deduct	-0.89		
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.69		
	For >1,000, Deduct	-3.12		
	For Elevated Installation >10' To 15', Add	1.79		
	For Elevated Installation >15' To 20', Add	3.58		
	For Elevated Installation >20' To 25', Add	4.48		
	For Elevated Installation >25' To 30', Add	6.27		
	For Elevated Installation >30' To 35', Add	7.16		
	For Elevated Installation >35' To 40', Add	8.96		
	For Elevated Installation >40', Add	9.85		
	For Installation In Metal Stud Wall, Add	1.79		
	For Installation In Wood Stud Wall (Includes Drilling), Add	4.48		
26 05 33 13-0069	LF 3" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	46.77		8.58
	For Work In Restricted Working Space, Add	7.24		
	For >500 To 1,000, Deduct	-2.90		
	For >250 To 500, Deduct	-1.13		
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	3.62		
	For >1,000, Deduct	-4.07		
	For Elevated Installation >10' To 15', Add	2.41		
	For Elevated Installation >15' To 20', Add	4.82		
	For Elevated Installation >20' To 25', Add	6.03		
	For Elevated Installation >25' To 30', Add	8.44		
	For Elevated Installation >30' To 35', Add	9.65		
	For Elevated Installation >35' To 40', Add	12.06		
	For Elevated Installation >40', Add	13.27		
	For Installation In Metal Stud Wall, Add	2.41		
	For Installation In Wood Stud Wall (Includes Drilling), Add	6.03		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0070	LF		3-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	56.28	10.72
			For Work In Restricted Working Space, Add	8.59	
			For >500 To 1,000, Deduct	-3.51	
			For >250 To 500, Deduct	-1.38	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	4.30	
			For >1,000, Deduct	-4.91	
			For Elevated Installation >10' To 15', Add	2.86	
			For Elevated Installation >15' To 20', Add	5.73	
			For Elevated Installation >20' To 25', Add	7.16	
			For Elevated Installation >25' To 30', Add	10.02	
			For Elevated Installation >30' To 35', Add	11.46	
			For Elevated Installation >35' To 40', Add	14.32	
			For Elevated Installation >40', Add	15.75	
			For Installation In Metal Stud Wall, Add	2.86	
			For Installation In Wood Stud Wall (Includes Drilling), Add	7.16	
26 05 33 13-0071	LF		4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	66.80	12.86
			For Work In Restricted Working Space, Add	9.91	
			For >500 To 1,000, Deduct	-4.18	
			For >250 To 500, Deduct	-1.69	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	4.95	
			For >1,000, Deduct	-5.85	
			For Elevated Installation >10' To 15', Add	3.30	
			For Elevated Installation >15' To 20', Add	6.61	
			For Elevated Installation >20' To 25', Add	8.26	
			For Elevated Installation >25' To 30', Add	11.56	
			For Elevated Installation >30' To 35', Add	13.21	
			For Elevated Installation >35' To 40', Add	16.52	
			For Elevated Installation >40', Add	18.17	
			For Installation In Metal Stud Wall, Add	3.30	
			For Installation In Wood Stud Wall (Includes Drilling), Add	8.26	
26 05 33 13-0072	LF		5" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	105.94	16.30
			For Work In Restricted Working Space, Add	12.23	
			For >500 To 1,000, Deduct	-6.93	
			For >250 To 500, Deduct	-3.26	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	6.11	
			For >1,000, Deduct	-9.58	
			For Elevated Installation >10' To 15', Add	4.08	
			For Elevated Installation >15' To 20', Add	8.15	
			For Elevated Installation >20' To 25', Add	10.19	
			For Elevated Installation >25' To 30', Add	14.26	
			For Elevated Installation >30' To 35', Add	16.30	
			For Elevated Installation >35' To 40', Add	20.38	
			For Elevated Installation >40', Add	22.41	
			For Installation In Metal Stud Wall, Add	4.08	
			For Installation In Wood Stud Wall (Includes Drilling), Add	10.19	
26 05 33 13-0073	LF		6" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	143.10	20.58
			For Work In Restricted Working Space, Add	15.44	
			For >500 To 1,000, Deduct	-9.45	
			For >250 To 500, Deduct	-4.58	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	7.72	
			For >1,000, Deduct	-13.02	
			For Elevated Installation >10' To 15', Add	5.15	
			For Elevated Installation >15' To 20', Add	10.30	
			For Elevated Installation >20' To 25', Add	12.87	
			For Elevated Installation >25' To 30', Add	18.02	
			For Elevated Installation >30' To 35', Add	20.59	
			For Elevated Installation >35' To 40', Add	25.74	
			For Elevated Installation >40', Add	28.31	
			For Installation In Metal Stud Wall, Add	5.15	
			For Installation In Wood Stud Wall (Includes Drilling), Add	12.87	
26 05 33 13-0074			Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow (26 05 33 13-0060) See CSI section 26 05 33 13-2319 for conduit field bending.		
26 05 33 13-0075	EA		1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	32.39	10.62
			For Work In Restricted Working Space, Add	7.99	
			For Elevated Installation >10' To 15', Add	2.66	
			For Elevated Installation >15' To 20', Add	5.33	
			For Elevated Installation >20' To 25', Add	6.66	
			For Elevated Installation >25' To 30', Add	9.32	
			For Elevated Installation >30' To 35', Add	10.65	
			For Elevated Installation >35' To 40', Add	13.32	
			For Elevated Installation >40', Add	14.65	
26 05 33 13-0076	EA		3/4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	40.70	13.18
			For Work In Restricted Working Space, Add	9.93	
			For Elevated Installation >10' To 15', Add	3.31	
			For Elevated Installation >15' To 20', Add	6.62	
			For Elevated Installation >20' To 25', Add	8.28	
			For Elevated Installation >25' To 30', Add	11.59	
			For Elevated Installation >30' To 35', Add	13.24	
			For Elevated Installation >35' To 40', Add	16.55	
			For Elevated Installation >40', Add	18.21	
26 05 33 13-0077	EA		1" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	52.06	16.19
			For Work In Restricted Working Space, Add	12.11	
			For Elevated Installation >10' To 15', Add	4.04	
			For Elevated Installation >15' To 20', Add	8.07	
			For Elevated Installation >20' To 25', Add	10.09	
			For Elevated Installation >25' To 30', Add	14.13	
			For Elevated Installation >30' To 35', Add	16.15	
			For Elevated Installation >35' To 40', Add	20.19	
			For Elevated Installation >40', Add	22.20	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 05 33 13-0078	EA 1-1/4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	66.86		18.77
	For Work In Restricted Working Space, Add	14.06		
	For Elevated Installation >10' To 15', Add	4.69		
	For Elevated Installation >15' To 20', Add	9.37		
	For Elevated Installation >20' To 25', Add	11.72		
	For Elevated Installation >25' To 30', Add	16.40		
	For Elevated Installation >30' To 35', Add	18.75		
	For Elevated Installation >35' To 40', Add	23.44		
	For Elevated Installation >40', Add	25.78		
26 05 33 13-0079	EA 1-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	77.64		21.56
	For Work In Restricted Working Space, Add	16.14		
	For Elevated Installation >10' To 15', Add	5.38		
	For Elevated Installation >15' To 20', Add	10.76		
	For Elevated Installation >20' To 25', Add	13.45		
	For Elevated Installation >25' To 30', Add	18.83		
	For Elevated Installation >30' To 35', Add	21.52		
	For Elevated Installation >35' To 40', Add	26.90		
	For Elevated Installation >40', Add	29.59		
26 05 33 13-0080	EA 2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	91.97		23.70
	For Work In Restricted Working Space, Add	17.76		
	For Elevated Installation >10' To 15', Add	5.92		
	For Elevated Installation >15' To 20', Add	11.84		
	For Elevated Installation >20' To 25', Add	14.80		
	For Elevated Installation >25' To 30', Add	20.72		
	For Elevated Installation >30' To 35', Add	23.68		
	For Elevated Installation >35' To 40', Add	29.60		
	For Elevated Installation >40', Add	32.55		
26 05 33 13-0081	EA 2-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	132.39		29.60
	For Work In Restricted Working Space, Add	22.19		
	For Elevated Installation >10' To 15', Add	7.40		
	For Elevated Installation >15' To 20', Add	14.80		
	For Elevated Installation >20' To 25', Add	18.50		
	For Elevated Installation >25' To 30', Add	25.89		
	For Elevated Installation >30' To 35', Add	29.59		
	For Elevated Installation >35' To 40', Add	36.99		
	For Elevated Installation >40', Add	40.69		
26 05 33 13-0082	EA 3" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	187.75		40.32
	For Work In Restricted Working Space, Add	30.23		
	For Elevated Installation >10' To 15', Add	10.08		
	For Elevated Installation >15' To 20', Add	20.16		
	For Elevated Installation >20' To 25', Add	25.20		
	For Elevated Installation >25' To 30', Add	35.27		
	For Elevated Installation >30' To 35', Add	40.31		
	For Elevated Installation >35' To 40', Add	50.39		
	For Elevated Installation >40', Add	55.43		
26 05 33 13-0083	EA 3-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	249.64		45.47
	For Work In Restricted Working Space, Add	34.10		
	For Elevated Installation >10' To 15', Add	11.37		
	For Elevated Installation >15' To 20', Add	22.74		
	For Elevated Installation >20' To 25', Add	28.42		
	For Elevated Installation >25' To 30', Add	39.79		
	For Elevated Installation >30' To 35', Add	45.47		
	For Elevated Installation >35' To 40', Add	56.84		
	For Elevated Installation >40', Add	62.52		
26 05 33 13-0084	EA 4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	304.64		59.20
	For Work In Restricted Working Space, Add	44.39		
	For Elevated Installation >10' To 15', Add	14.80		
	For Elevated Installation >15' To 20', Add	29.59		
	For Elevated Installation >20' To 25', Add	36.99		
	For Elevated Installation >25' To 30', Add	51.78		
	For Elevated Installation >30' To 35', Add	59.18		
	For Elevated Installation >35' To 40', Add	73.98		
	For Elevated Installation >40', Add	81.37		
26 05 33 13-0085	EA 5" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	498.38		96.50
	For Work In Restricted Working Space, Add	72.38		
	For Elevated Installation >10' To 15', Add	24.13		
	For Elevated Installation >15' To 20', Add	48.26		
	For Elevated Installation >20' To 25', Add	60.32		
	For Elevated Installation >25' To 30', Add	84.45		
	For Elevated Installation >30' To 35', Add	96.51		
	For Elevated Installation >35' To 40', Add	120.64		
	For Elevated Installation >40', Add	132.70		
26 05 33 13-0086	EA 6" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	749.26		144.98
	For Work In Restricted Working Space, Add	108.72		
	For Elevated Installation >10' To 15', Add	36.24		
	For Elevated Installation >15' To 20', Add	72.48		
	For Elevated Installation >20' To 25', Add	90.60		
	For Elevated Installation >25' To 30', Add	126.84		
	For Elevated Installation >30' To 35', Add	144.96		
	For Elevated Installation >35' To 40', Add	181.21		
	For Elevated Installation >40', Add	199.33		

26 05 33 13-0087 Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow (26 05 33 13-0060)
See CSI section 26 05 33 13-2319 for conduit field bending.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0088	EA	1/2"	Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow 32.39	10.62	
			For Work In Restricted Working Space, Add	7.99	
			For Elevated Installation >10' To 15', Add	2.66	
			For Elevated Installation >15' To 20', Add	5.33	
			For Elevated Installation >20' To 25', Add	6.66	
			For Elevated Installation >25' To 30', Add	9.32	
			For Elevated Installation >30' To 35', Add	10.65	
			For Elevated Installation >35' To 40', Add	13.32	
			For Elevated Installation >40', Add	14.65	
26 05 33 13-0089	EA	3/4"	Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow 40.70	13.18	
			For Work In Restricted Working Space, Add	9.93	
			For Elevated Installation >10' To 15', Add	3.31	
			For Elevated Installation >15' To 20', Add	6.62	
			For Elevated Installation >20' To 25', Add	8.28	
			For Elevated Installation >25' To 30', Add	11.59	
			For Elevated Installation >30' To 35', Add	13.24	
			For Elevated Installation >35' To 40', Add	16.55	
			For Elevated Installation >40', Add	18.21	
26 05 33 13-0090	EA	1"	Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow 52.06	16.19	
			For Work In Restricted Working Space, Add	12.11	
			For Elevated Installation >10' To 15', Add	4.04	
			For Elevated Installation >15' To 20', Add	8.07	
			For Elevated Installation >20' To 25', Add	10.09	
			For Elevated Installation >25' To 30', Add	14.13	
			For Elevated Installation >30' To 35', Add	16.15	
			For Elevated Installation >35' To 40', Add	20.19	
			For Elevated Installation >40', Add	22.20	
26 05 33 13-0091	EA	1-1/4"	Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow 66.86	18.77	
			For Work In Restricted Working Space, Add	14.06	
			For Elevated Installation >10' To 15', Add	4.69	
			For Elevated Installation >15' To 20', Add	9.37	
			For Elevated Installation >20' To 25', Add	11.72	
			For Elevated Installation >25' To 30', Add	16.40	
			For Elevated Installation >30' To 35', Add	18.75	
			For Elevated Installation >35' To 40', Add	23.44	
			For Elevated Installation >40', Add	25.78	
26 05 33 13-0092	EA	1-1/2"	Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow 77.65	21.56	
			For Work In Restricted Working Space, Add	16.14	
			For Elevated Installation >10' To 15', Add	5.38	
			For Elevated Installation >15' To 20', Add	10.76	
			For Elevated Installation >20' To 25', Add	13.45	
			For Elevated Installation >25' To 30', Add	18.83	
			For Elevated Installation >30' To 35', Add	21.52	
			For Elevated Installation >35' To 40', Add	26.90	
			For Elevated Installation >40', Add	29.59	
26 05 33 13-0093	EA	2"	Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow 91.97	23.70	
			For Work In Restricted Working Space, Add	17.76	
			For Elevated Installation >10' To 15', Add	5.92	
			For Elevated Installation >15' To 20', Add	11.84	
			For Elevated Installation >20' To 25', Add	14.80	
			For Elevated Installation >25' To 30', Add	20.72	
			For Elevated Installation >30' To 35', Add	23.68	
			For Elevated Installation >35' To 40', Add	29.60	
			For Elevated Installation >40', Add	32.55	
26 05 33 13-0094	EA	2-1/2"	Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow 130.02	29.60	
			For Work In Restricted Working Space, Add	22.19	
			For Elevated Installation >10' To 15', Add	7.40	
			For Elevated Installation >15' To 20', Add	14.80	
			For Elevated Installation >20' To 25', Add	18.50	
			For Elevated Installation >25' To 30', Add	25.89	
			For Elevated Installation >30' To 35', Add	29.59	
			For Elevated Installation >35' To 40', Add	36.99	
			For Elevated Installation >40', Add	40.69	
26 05 33 13-0095	EA	3"	Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow 178.51	40.32	
			For Work In Restricted Working Space, Add	30.23	
			For Elevated Installation >10' To 15', Add	10.08	
			For Elevated Installation >15' To 20', Add	20.16	
			For Elevated Installation >20' To 25', Add	25.20	
			For Elevated Installation >25' To 30', Add	35.27	
			For Elevated Installation >30' To 35', Add	40.31	
			For Elevated Installation >35' To 40', Add	50.39	
			For Elevated Installation >40', Add	55.43	
26 05 33 13-0096	EA	3-1/2"	Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow 236.65	45.47	
			For Work In Restricted Working Space, Add	34.10	
			For Elevated Installation >10' To 15', Add	11.37	
			For Elevated Installation >15' To 20', Add	22.74	
			For Elevated Installation >20' To 25', Add	28.42	
			For Elevated Installation >25' To 30', Add	39.79	
			For Elevated Installation >30' To 35', Add	45.47	
			For Elevated Installation >35' To 40', Add	56.84	
			For Elevated Installation >40', Add	62.52	
26 05 33 13-0097	EA	4"	Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow 287.36	59.20	
			For Work In Restricted Working Space, Add	44.39	
			For Elevated Installation >10' To 15', Add	14.80	
			For Elevated Installation >15' To 20', Add	29.59	
			For Elevated Installation >20' To 25', Add	36.99	
			For Elevated Installation >25' To 30', Add	51.78	
			For Elevated Installation >30' To 35', Add	59.18	
			For Elevated Installation >35' To 40', Add	73.98	
			For Elevated Installation >40', Add	81.37	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 05 33 13-0098	EA 5" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	498.38 72.38 24.13 48.26 60.32 84.45 96.51 120.64 132.70		96.50
26 05 33 13-0099	EA 6" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	749.26 108.72 36.24 72.48 90.60 126.84 144.96 181.21 199.33		144.98
26 05 33 13-0100 Rigid Galvanized Steel (RGS) 12" Large Radius Elbow (26 05 33 13-0060)				
See CSI section 26 05 33 13-2319 for conduit field bending.				
26 05 33 13-0101	EA 1" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	80.81 15.89 5.30 10.59 13.24 18.54 21.19 26.49 29.13		26.49
26 05 33 13-0102	EA 1-1/4" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	93.12 18.40 6.13 12.27 15.34 21.47 24.54 30.67 33.74		30.67
26 05 33 13-0103	EA 1-1/2" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	107.77 20.91 6.97 13.94 17.43 24.40 27.88 34.85 38.34		34.85
26 05 33 13-0104	EA 2" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	121.53 23.00 7.67 15.33 19.17 26.83 30.67 38.34 42.17		38.33
26 05 33 13-0105 Rigid Galvanized Steel (RGS) 15" Large Radius Elbow (26 05 33 13-0060)				
See CSI section 26 05 33 13-2319 for conduit field bending.				
26 05 33 13-0106	EA 1" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	88.04 15.89 5.30 10.59 13.24 18.54 21.19 26.49 29.13		26.49
26 05 33 13-0107	EA 1-1/4" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	102.40 18.40 6.13 12.27 15.34 21.47 24.54 30.67 33.74		30.67
26 05 33 13-0108	EA 1-1/2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	112.00 20.91 6.97 13.94 17.43 24.40 27.88 34.85 38.34		34.85

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0109	EA	2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow.....	126.25	38.33
		For Work In Restricted Working Space, Add	23.00	
		For Elevated Installation >10' To 15', Add	7.67	
		For Elevated Installation >15' To 20', Add	15.33	
		For Elevated Installation >20' To 25', Add	19.17	
		For Elevated Installation >25' To 30', Add	26.83	
		For Elevated Installation >30' To 35', Add	30.67	
		For Elevated Installation >35' To 40', Add	38.34	
		For Elevated Installation >40', Add	42.17	
26 05 33 13-0110	EA	2-1/2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow.....	168.14	48.10
		For Work In Restricted Working Space, Add	28.85	
		For Elevated Installation >10' To 15', Add	9.62	
		For Elevated Installation >15' To 20', Add	19.24	
		For Elevated Installation >20' To 25', Add	24.05	
		For Elevated Installation >25' To 30', Add	33.66	
		For Elevated Installation >30' To 35', Add	38.47	
		For Elevated Installation >35' To 40', Add	48.09	
		For Elevated Installation >40', Add	52.90	
26 05 33 13-0111	EA	3" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow.....	226.20	65.52
		For Work In Restricted Working Space, Add	39.31	
		For Elevated Installation >10' To 15', Add	13.10	
		For Elevated Installation >15' To 20', Add	26.21	
		For Elevated Installation >20' To 25', Add	32.76	
		For Elevated Installation >25' To 30', Add	45.86	
		For Elevated Installation >30' To 35', Add	52.41	
		For Elevated Installation >35' To 40', Add	65.52	
		For Elevated Installation >40', Add	72.07	
26 05 33 13-0112		Rigid Galvanized Steel (RGS) 18" Large Radius Elbow (26 05 33 13-0060)		
		See CSI section 26 05 33 13-2319 for conduit field bending.		
26 05 33 13-0113	EA	1" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	88.38	26.49
		For Work In Restricted Working Space, Add	15.89	
		For Elevated Installation >10' To 15', Add	5.30	
		For Elevated Installation >15' To 20', Add	10.59	
		For Elevated Installation >20' To 25', Add	13.24	
		For Elevated Installation >25' To 30', Add	18.54	
		For Elevated Installation >30' To 35', Add	21.19	
		For Elevated Installation >35' To 40', Add	26.49	
		For Elevated Installation >40', Add	29.13	
26 05 33 13-0114	EA	1-1/4" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	101.49	30.67
		For Work In Restricted Working Space, Add	18.40	
		For Elevated Installation >10' To 15', Add	6.13	
		For Elevated Installation >15' To 20', Add	12.27	
		For Elevated Installation >20' To 25', Add	15.34	
		For Elevated Installation >25' To 30', Add	21.47	
		For Elevated Installation >30' To 35', Add	24.54	
		For Elevated Installation >35' To 40', Add	30.67	
		For Elevated Installation >40', Add	33.74	
26 05 33 13-0115	EA	1-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	116.57	34.85
		For Work In Restricted Working Space, Add	20.91	
		For Elevated Installation >10' To 15', Add	6.97	
		For Elevated Installation >15' To 20', Add	13.94	
		For Elevated Installation >20' To 25', Add	17.43	
		For Elevated Installation >25' To 30', Add	24.40	
		For Elevated Installation >30' To 35', Add	27.88	
		For Elevated Installation >35' To 40', Add	34.85	
		For Elevated Installation >40', Add	38.34	
26 05 33 13-0116	EA	2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	136.48	38.33
		For Work In Restricted Working Space, Add	23.00	
		For Elevated Installation >10' To 15', Add	7.67	
		For Elevated Installation >15' To 20', Add	15.33	
		For Elevated Installation >20' To 25', Add	19.17	
		For Elevated Installation >25' To 30', Add	26.83	
		For Elevated Installation >30' To 35', Add	30.67	
		For Elevated Installation >35' To 40', Add	38.34	
		For Elevated Installation >40', Add	42.17	
26 05 33 13-0117	EA	2-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	177.67	48.10
		For Work In Restricted Working Space, Add	28.85	
		For Elevated Installation >10' To 15', Add	9.62	
		For Elevated Installation >15' To 20', Add	19.24	
		For Elevated Installation >20' To 25', Add	24.05	
		For Elevated Installation >25' To 30', Add	33.66	
		For Elevated Installation >30' To 35', Add	38.47	
		For Elevated Installation >35' To 40', Add	48.09	
		For Elevated Installation >40', Add	52.90	
26 05 33 13-0118	EA	3" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	233.89	65.52
		For Work In Restricted Working Space, Add	39.31	
		For Elevated Installation >10' To 15', Add	13.10	
		For Elevated Installation >15' To 20', Add	26.21	
		For Elevated Installation >20' To 25', Add	32.76	
		For Elevated Installation >25' To 30', Add	45.86	
		For Elevated Installation >30' To 35', Add	52.41	
		For Elevated Installation >35' To 40', Add	65.52	
		For Elevated Installation >40', Add	72.07	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-0119	EA	3-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	293.16	73.88
		For Work In Restricted Working Space, Add	44.33	
		For Elevated Installation >10' To 15', Add	14.78	
		For Elevated Installation >15' To 20', Add	29.55	
		For Elevated Installation >20' To 25', Add	36.94	
		For Elevated Installation >25' To 30', Add	51.72	
		For Elevated Installation >30' To 35', Add	59.11	
		For Elevated Installation >35' To 40', Add	73.89	
		For Elevated Installation >40', Add	81.27	
26 05 33 13-0120	EA	4" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	354.82	96.18
		For Work In Restricted Working Space, Add	57.71	
		For Elevated Installation >10' To 15', Add	19.24	
		For Elevated Installation >15' To 20', Add	38.47	
		For Elevated Installation >20' To 25', Add	48.09	
		For Elevated Installation >25' To 30', Add	67.33	
		For Elevated Installation >30' To 35', Add	76.95	
		For Elevated Installation >35' To 40', Add	96.19	
		For Elevated Installation >40', Add	105.80	

26 05 33 13-0121 Rigid Galvanized Steel (RGS) 24" Large Radius Elbow (26 05 33 13-0060)
 See CSI section 26 05 33 13-2319 for conduit field bending.

26 05 33 13-0122	EA	1" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	99.89	26.49
		For Work In Restricted Working Space, Add	15.89	
		For Elevated Installation >10' To 15', Add	5.30	
		For Elevated Installation >15' To 20', Add	10.59	
		For Elevated Installation >20' To 25', Add	13.24	
		For Elevated Installation >25' To 30', Add	18.54	
		For Elevated Installation >30' To 35', Add	21.19	
		For Elevated Installation >35' To 40', Add	26.49	
		For Elevated Installation >40', Add	29.13	
26 05 33 13-0123	EA	1-1/4" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	112.78	30.67
		For Work In Restricted Working Space, Add	18.40	
		For Elevated Installation >10' To 15', Add	6.13	
		For Elevated Installation >15' To 20', Add	12.27	
		For Elevated Installation >20' To 25', Add	15.34	
		For Elevated Installation >25' To 30', Add	21.47	
		For Elevated Installation >30' To 35', Add	24.54	
		For Elevated Installation >35' To 40', Add	30.67	
		For Elevated Installation >40', Add	33.74	
26 05 33 13-0124	EA	1-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	125.03	34.85
		For Work In Restricted Working Space, Add	20.91	
		For Elevated Installation >10' To 15', Add	6.97	
		For Elevated Installation >15' To 20', Add	13.94	
		For Elevated Installation >20' To 25', Add	17.43	
		For Elevated Installation >25' To 30', Add	24.40	
		For Elevated Installation >30' To 35', Add	27.88	
		For Elevated Installation >35' To 40', Add	34.85	
		For Elevated Installation >40', Add	38.34	
26 05 33 13-0125	EA	2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	148.95	38.33
		For Work In Restricted Working Space, Add	23.00	
		For Elevated Installation >10' To 15', Add	7.67	
		For Elevated Installation >15' To 20', Add	15.33	
		For Elevated Installation >20' To 25', Add	19.17	
		For Elevated Installation >25' To 30', Add	26.83	
		For Elevated Installation >30' To 35', Add	30.67	
		For Elevated Installation >35' To 40', Add	38.34	
		For Elevated Installation >40', Add	42.17	
26 05 33 13-0126	EA	2-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	194.68	48.10
		For Work In Restricted Working Space, Add	28.85	
		For Elevated Installation >10' To 15', Add	9.62	
		For Elevated Installation >15' To 20', Add	19.24	
		For Elevated Installation >20' To 25', Add	24.05	
		For Elevated Installation >25' To 30', Add	33.66	
		For Elevated Installation >30' To 35', Add	38.47	
		For Elevated Installation >35' To 40', Add	48.09	
		For Elevated Installation >40', Add	52.90	
26 05 33 13-0127	EA	3" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	260.55	65.52
		For Work In Restricted Working Space, Add	39.31	
		For Elevated Installation >10' To 15', Add	13.10	
		For Elevated Installation >15' To 20', Add	26.21	
		For Elevated Installation >20' To 25', Add	32.76	
		For Elevated Installation >25' To 30', Add	45.86	
		For Elevated Installation >30' To 35', Add	52.41	
		For Elevated Installation >35' To 40', Add	65.52	
		For Elevated Installation >40', Add	72.07	
26 05 33 13-0128	EA	3-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	319.08	73.88
		For Work In Restricted Working Space, Add	44.33	
		For Elevated Installation >10' To 15', Add	14.78	
		For Elevated Installation >15' To 20', Add	29.55	
		For Elevated Installation >20' To 25', Add	36.94	
		For Elevated Installation >25' To 30', Add	51.72	
		For Elevated Installation >30' To 35', Add	59.11	
		For Elevated Installation >35' To 40', Add	73.89	
		For Elevated Installation >40', Add	81.27	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0129	EA		4" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	375.49	96.18
			For Work In Restricted Working Space, Add	57.71	
			For Elevated Installation >10' To 15', Add	19.24	
			For Elevated Installation >15' To 20', Add	38.47	
			For Elevated Installation >20' To 25', Add	48.09	
			For Elevated Installation >25' To 30', Add	67.33	
			For Elevated Installation >30' To 35', Add	76.95	
			For Elevated Installation >35' To 40', Add	96.19	
			For Elevated Installation >40', Add	105.80	
26 05 33 13-0130			Rigid Galvanized Steel (RGS) 30" Large Radius Elbow (26 05 33 13-0060) See CSI section 26 05 33 13-2319 for conduit field bending.		
26 05 33 13-0131	EA		1" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	99.19	26.49
			For Work In Restricted Working Space, Add	15.89	
			For Elevated Installation >10' To 15', Add	5.30	
			For Elevated Installation >15' To 20', Add	10.59	
			For Elevated Installation >20' To 25', Add	13.24	
			For Elevated Installation >25' To 30', Add	18.54	
			For Elevated Installation >30' To 35', Add	21.19	
			For Elevated Installation >35' To 40', Add	26.49	
			For Elevated Installation >40', Add	29.13	
26 05 33 13-0132	EA		1-1/4" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	121.18	30.67
			For Work In Restricted Working Space, Add	18.40	
			For Elevated Installation >10' To 15', Add	6.13	
			For Elevated Installation >15' To 20', Add	12.27	
			For Elevated Installation >20' To 25', Add	15.34	
			For Elevated Installation >25' To 30', Add	21.47	
			For Elevated Installation >30' To 35', Add	24.54	
			For Elevated Installation >35' To 40', Add	30.67	
			For Elevated Installation >40', Add	33.74	
26 05 33 13-0133	EA		1-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	134.13	34.85
			For Work In Restricted Working Space, Add	20.91	
			For Elevated Installation >10' To 15', Add	6.97	
			For Elevated Installation >15' To 20', Add	13.94	
			For Elevated Installation >20' To 25', Add	17.43	
			For Elevated Installation >25' To 30', Add	24.40	
			For Elevated Installation >30' To 35', Add	27.88	
			For Elevated Installation >35' To 40', Add	34.85	
			For Elevated Installation >40', Add	38.34	
26 05 33 13-0134	EA		2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	160.84	38.33
			For Work In Restricted Working Space, Add	23.00	
			For Elevated Installation >10' To 15', Add	7.67	
			For Elevated Installation >15' To 20', Add	15.33	
			For Elevated Installation >20' To 25', Add	19.17	
			For Elevated Installation >25' To 30', Add	26.83	
			For Elevated Installation >30' To 35', Add	30.67	
			For Elevated Installation >35' To 40', Add	38.34	
			For Elevated Installation >40', Add	42.17	
26 05 33 13-0135	EA		2-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	211.00	48.10
			For Work In Restricted Working Space, Add	28.85	
			For Elevated Installation >10' To 15', Add	9.62	
			For Elevated Installation >15' To 20', Add	19.24	
			For Elevated Installation >20' To 25', Add	24.05	
			For Elevated Installation >25' To 30', Add	33.66	
			For Elevated Installation >30' To 35', Add	38.47	
			For Elevated Installation >35' To 40', Add	48.09	
			For Elevated Installation >40', Add	52.90	
26 05 33 13-0136	EA		3" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	281.61	65.52
			For Work In Restricted Working Space, Add	39.31	
			For Elevated Installation >10' To 15', Add	13.10	
			For Elevated Installation >15' To 20', Add	26.21	
			For Elevated Installation >20' To 25', Add	32.76	
			For Elevated Installation >25' To 30', Add	45.86	
			For Elevated Installation >30' To 35', Add	52.41	
			For Elevated Installation >35' To 40', Add	65.52	
			For Elevated Installation >40', Add	72.07	
26 05 33 13-0137	EA		3-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	344.71	73.88
			For Work In Restricted Working Space, Add	44.33	
			For Elevated Installation >10' To 15', Add	14.78	
			For Elevated Installation >15' To 20', Add	29.55	
			For Elevated Installation >20' To 25', Add	36.94	
			For Elevated Installation >25' To 30', Add	51.72	
			For Elevated Installation >30' To 35', Add	59.11	
			For Elevated Installation >35' To 40', Add	73.89	
			For Elevated Installation >40', Add	81.27	
26 05 33 13-0138	EA		4" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	413.42	96.18
			For Work In Restricted Working Space, Add	57.71	
			For Elevated Installation >10' To 15', Add	19.24	
			For Elevated Installation >15' To 20', Add	38.47	
			For Elevated Installation >20' To 25', Add	48.09	
			For Elevated Installation >25' To 30', Add	67.33	
			For Elevated Installation >30' To 35', Add	76.95	
			For Elevated Installation >35' To 40', Add	96.19	
			For Elevated Installation >40', Add	105.80	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-0139	EA	5" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	597.58	156.82
		For Work In Restricted Working Space, Add	94.10	
		For Elevated Installation >10' To 15', Add	31.37	
		For Elevated Installation >15' To 20', Add	62.73	
		For Elevated Installation >20' To 25', Add	78.41	
		For Elevated Installation >25' To 30', Add	109.78	
		For Elevated Installation >30' To 35', Add	125.46	
		For Elevated Installation >35' To 40', Add	156.83	
		For Elevated Installation >40', Add	172.51	
26 05 33 13-0140		Rigid Galvanized Steel (RGS) 36" Large Radius Elbow (26 05 33 13-0060)		
		See CSI section 26 05 33 13-2319 for conduit field bending.		
26 05 33 13-0141	EA	1" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	105.34	26.49
		For Work In Restricted Working Space, Add	15.89	
		For Elevated Installation >10' To 15', Add	5.30	
		For Elevated Installation >15' To 20', Add	10.59	
		For Elevated Installation >20' To 25', Add	13.24	
		For Elevated Installation >25' To 30', Add	18.54	
		For Elevated Installation >30' To 35', Add	21.19	
		For Elevated Installation >35' To 40', Add	26.49	
		For Elevated Installation >40', Add	29.13	
26 05 33 13-0142	EA	1-1/4" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	125.32	30.67
		For Work In Restricted Working Space, Add	18.40	
		For Elevated Installation >10' To 15', Add	6.13	
		For Elevated Installation >15' To 20', Add	12.27	
		For Elevated Installation >20' To 25', Add	15.34	
		For Elevated Installation >25' To 30', Add	21.47	
		For Elevated Installation >30' To 35', Add	24.54	
		For Elevated Installation >35' To 40', Add	30.67	
		For Elevated Installation >40', Add	33.74	
26 05 33 13-0143	EA	1-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	150.06	34.85
		For Work In Restricted Working Space, Add	20.91	
		For Elevated Installation >10' To 15', Add	6.97	
		For Elevated Installation >15' To 20', Add	13.94	
		For Elevated Installation >20' To 25', Add	17.43	
		For Elevated Installation >25' To 30', Add	24.40	
		For Elevated Installation >30' To 35', Add	27.88	
		For Elevated Installation >35' To 40', Add	34.85	
		For Elevated Installation >40', Add	38.34	
26 05 33 13-0144	EA	2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	170.12	38.33
		For Work In Restricted Working Space, Add	23.00	
		For Elevated Installation >10' To 15', Add	7.67	
		For Elevated Installation >15' To 20', Add	15.33	
		For Elevated Installation >20' To 25', Add	19.17	
		For Elevated Installation >25' To 30', Add	26.83	
		For Elevated Installation >30' To 35', Add	30.67	
		For Elevated Installation >35' To 40', Add	38.34	
		For Elevated Installation >40', Add	42.17	
26 05 33 13-0145	EA	2-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	230.35	48.10
		For Work In Restricted Working Space, Add	28.85	
		For Elevated Installation >10' To 15', Add	9.62	
		For Elevated Installation >15' To 20', Add	19.24	
		For Elevated Installation >20' To 25', Add	24.05	
		For Elevated Installation >25' To 30', Add	33.66	
		For Elevated Installation >30' To 35', Add	38.47	
		For Elevated Installation >35' To 40', Add	48.09	
		For Elevated Installation >40', Add	52.90	
26 05 33 13-0146	EA	3" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	299.62	65.52
		For Work In Restricted Working Space, Add	39.31	
		For Elevated Installation >10' To 15', Add	13.10	
		For Elevated Installation >15' To 20', Add	26.21	
		For Elevated Installation >20' To 25', Add	32.76	
		For Elevated Installation >25' To 30', Add	45.86	
		For Elevated Installation >30' To 35', Add	52.41	
		For Elevated Installation >35' To 40', Add	65.52	
		For Elevated Installation >40', Add	72.07	
26 05 33 13-0147	EA	3-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	377.81	73.88
		For Work In Restricted Working Space, Add	44.33	
		For Elevated Installation >10' To 15', Add	14.78	
		For Elevated Installation >15' To 20', Add	29.55	
		For Elevated Installation >20' To 25', Add	36.94	
		For Elevated Installation >25' To 30', Add	51.72	
		For Elevated Installation >30' To 35', Add	59.11	
		For Elevated Installation >35' To 40', Add	73.89	
		For Elevated Installation >40', Add	81.27	
26 05 33 13-0148	EA	4" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	431.27	96.18
		For Work In Restricted Working Space, Add	57.71	
		For Elevated Installation >10' To 15', Add	19.24	
		For Elevated Installation >15' To 20', Add	38.47	
		For Elevated Installation >20' To 25', Add	48.09	
		For Elevated Installation >25' To 30', Add	67.33	
		For Elevated Installation >30' To 35', Add	76.95	
		For Elevated Installation >35' To 40', Add	96.19	
		For Elevated Installation >40', Add	105.80	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0149	EA		5" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	743.19	156.82
			For Work In Restricted Working Space, Add	94.10	
			For Elevated Installation >10' To 15', Add	31.37	
			For Elevated Installation >15' To 20', Add	62.73	
			For Elevated Installation >20' To 25', Add	78.41	
			For Elevated Installation >25' To 30', Add	109.78	
			For Elevated Installation >30' To 35', Add	125.46	
			For Elevated Installation >35' To 40', Add	156.83	
			For Elevated Installation >40', Add	172.51	
26 05 33 13-0150	EA		6" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	943.07	235.59
			For Work In Restricted Working Space, Add	141.35	
			For Elevated Installation >10' To 15', Add	47.12	
			For Elevated Installation >15' To 20', Add	94.23	
			For Elevated Installation >20' To 25', Add	117.79	
			For Elevated Installation >25' To 30', Add	164.91	
			For Elevated Installation >30' To 35', Add	188.47	
			For Elevated Installation >35' To 40', Add	235.59	
			For Elevated Installation >40', Add	259.14	
26 05 33 13-0151 Rigid Galvanized Steel (RGS) 42" Large Radius Elbow (26 05 33 13-0060)					
See CSI section 26 05 33 13-2319 for conduit field bending.					
26 05 33 13-0152	EA		1" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	114.35	26.49
			For Work In Restricted Working Space, Add	15.89	
			For Elevated Installation >10' To 15', Add	5.30	
			For Elevated Installation >15' To 20', Add	10.59	
			For Elevated Installation >20' To 25', Add	13.24	
			For Elevated Installation >25' To 30', Add	18.54	
			For Elevated Installation >30' To 35', Add	21.19	
			For Elevated Installation >35' To 40', Add	26.49	
			For Elevated Installation >40', Add	29.13	
26 05 33 13-0153	EA		1-1/4" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	136.32	30.67
			For Work In Restricted Working Space, Add	18.40	
			For Elevated Installation >10' To 15', Add	6.13	
			For Elevated Installation >15' To 20', Add	12.27	
			For Elevated Installation >20' To 25', Add	15.34	
			For Elevated Installation >25' To 30', Add	21.47	
			For Elevated Installation >30' To 35', Add	24.54	
			For Elevated Installation >35' To 40', Add	30.67	
			For Elevated Installation >40', Add	33.74	
26 05 33 13-0154	EA		1-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	161.76	34.85
			For Work In Restricted Working Space, Add	20.91	
			For Elevated Installation >10' To 15', Add	6.97	
			For Elevated Installation >15' To 20', Add	13.94	
			For Elevated Installation >20' To 25', Add	17.43	
			For Elevated Installation >25' To 30', Add	24.40	
			For Elevated Installation >30' To 35', Add	27.88	
			For Elevated Installation >35' To 40', Add	34.85	
			For Elevated Installation >40', Add	38.34	
26 05 33 13-0155	EA		2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	182.35	38.33
			For Work In Restricted Working Space, Add	23.00	
			For Elevated Installation >10' To 15', Add	7.67	
			For Elevated Installation >15' To 20', Add	15.33	
			For Elevated Installation >20' To 25', Add	19.17	
			For Elevated Installation >25' To 30', Add	26.83	
			For Elevated Installation >30' To 35', Add	30.67	
			For Elevated Installation >35' To 40', Add	38.34	
			For Elevated Installation >40', Add	42.17	
26 05 33 13-0156	EA		2-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	245.16	48.10
			For Work In Restricted Working Space, Add	28.86	
			For Elevated Installation >10' To 15', Add	9.62	
			For Elevated Installation >15' To 20', Add	19.24	
			For Elevated Installation >20' To 25', Add	24.05	
			For Elevated Installation >25' To 30', Add	33.67	
			For Elevated Installation >30' To 35', Add	38.48	
			For Elevated Installation >35' To 40', Add	48.10	
			For Elevated Installation >40', Add	52.90	
26 05 33 13-0157	EA		3" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	326.00	65.52
			For Work In Restricted Working Space, Add	39.31	
			For Elevated Installation >10' To 15', Add	13.10	
			For Elevated Installation >15' To 20', Add	26.21	
			For Elevated Installation >20' To 25', Add	32.76	
			For Elevated Installation >25' To 30', Add	45.86	
			For Elevated Installation >30' To 35', Add	52.41	
			For Elevated Installation >35' To 40', Add	65.52	
			For Elevated Installation >40', Add	72.07	
26 05 33 13-0158	EA		3-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	404.27	73.88
			For Work In Restricted Working Space, Add	44.33	
			For Elevated Installation >10' To 15', Add	14.78	
			For Elevated Installation >15' To 20', Add	29.55	
			For Elevated Installation >20' To 25', Add	36.94	
			For Elevated Installation >25' To 30', Add	51.72	
			For Elevated Installation >30' To 35', Add	59.11	
			For Elevated Installation >35' To 40', Add	73.89	
			For Elevated Installation >40', Add	81.27	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-0159	EA	4" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	507.41	96.18
		For Work In Restricted Working Space, Add	57.71	
		For Elevated Installation >10' To 15', Add	19.24	
		For Elevated Installation >15' To 20', Add	38.47	
		For Elevated Installation >20' To 25', Add	48.09	
		For Elevated Installation >25' To 30', Add	67.33	
		For Elevated Installation >30' To 35', Add	76.95	
		For Elevated Installation >35' To 40', Add	96.19	
		For Elevated Installation >40', Add	105.80	
26 05 33 13-0160	EA	5" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	848.23	156.82
		For Work In Restricted Working Space, Add	94.10	
		For Elevated Installation >10' To 15', Add	31.37	
		For Elevated Installation >15' To 20', Add	62.73	
		For Elevated Installation >20' To 25', Add	78.41	
		For Elevated Installation >25' To 30', Add	109.78	
		For Elevated Installation >30' To 35', Add	125.46	
		For Elevated Installation >35' To 40', Add	156.83	
		For Elevated Installation >40', Add	172.51	
26 05 33 13-0161	EA	6" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	1,034.03	235.59
		For Work In Restricted Working Space, Add	141.35	
		For Elevated Installation >10' To 15', Add	47.12	
		For Elevated Installation >15' To 20', Add	94.23	
		For Elevated Installation >20' To 25', Add	117.79	
		For Elevated Installation >25' To 30', Add	164.91	
		For Elevated Installation >30' To 35', Add	188.47	
		For Elevated Installation >35' To 40', Add	235.59	
		For Elevated Installation >40', Add	259.14	

26 05 33 13-0162 Rigid Galvanized Steel (RGS) 48" Large Radius Elbow (26 05 33 13-0060)

See CSI section 26 05 33 13-2319 for conduit field bending.

26 05 33 13-0163	EA	1" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	121.85	26.49
		For Work In Restricted Working Space, Add	15.89	
		For Elevated Installation >10' To 15', Add	5.30	
		For Elevated Installation >15' To 20', Add	10.59	
		For Elevated Installation >20' To 25', Add	13.24	
		For Elevated Installation >25' To 30', Add	18.54	
		For Elevated Installation >30' To 35', Add	21.19	
		For Elevated Installation >35' To 40', Add	26.49	
		For Elevated Installation >40', Add	29.13	
26 05 33 13-0164	EA	1-1/4" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	144.80	30.67
		For Work In Restricted Working Space, Add	18.40	
		For Elevated Installation >10' To 15', Add	6.13	
		For Elevated Installation >15' To 20', Add	12.27	
		For Elevated Installation >20' To 25', Add	15.34	
		For Elevated Installation >25' To 30', Add	21.47	
		For Elevated Installation >30' To 35', Add	24.54	
		For Elevated Installation >35' To 40', Add	30.67	
		For Elevated Installation >40', Add	33.74	
26 05 33 13-0165	EA	1-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	169.15	34.85
		For Work In Restricted Working Space, Add	20.91	
		For Elevated Installation >10' To 15', Add	6.97	
		For Elevated Installation >15' To 20', Add	13.94	
		For Elevated Installation >20' To 25', Add	17.43	
		For Elevated Installation >25' To 30', Add	24.40	
		For Elevated Installation >30' To 35', Add	27.88	
		For Elevated Installation >35' To 40', Add	34.85	
		For Elevated Installation >40', Add	38.34	
26 05 33 13-0166	EA	2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	205.19	38.33
		For Work In Restricted Working Space, Add	23.00	
		For Elevated Installation >10' To 15', Add	7.67	
		For Elevated Installation >15' To 20', Add	15.33	
		For Elevated Installation >20' To 25', Add	19.17	
		For Elevated Installation >25' To 30', Add	26.83	
		For Elevated Installation >30' To 35', Add	30.67	
		For Elevated Installation >35' To 40', Add	38.34	
		For Elevated Installation >40', Add	42.17	
26 05 33 13-0167	EA	2-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	272.46	48.10
		For Work In Restricted Working Space, Add	28.86	
		For Elevated Installation >10' To 15', Add	9.62	
		For Elevated Installation >15' To 20', Add	19.24	
		For Elevated Installation >20' To 25', Add	24.05	
		For Elevated Installation >25' To 30', Add	33.67	
		For Elevated Installation >30' To 35', Add	38.48	
		For Elevated Installation >35' To 40', Add	48.10	
		For Elevated Installation >40', Add	52.90	
26 05 33 13-0168	EA	3" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	352.59	65.52
		For Work In Restricted Working Space, Add	39.31	
		For Elevated Installation >10' To 15', Add	13.10	
		For Elevated Installation >15' To 20', Add	26.21	
		For Elevated Installation >20' To 25', Add	32.76	
		For Elevated Installation >25' To 30', Add	45.86	
		For Elevated Installation >30' To 35', Add	52.41	
		For Elevated Installation >35' To 40', Add	65.52	
		For Elevated Installation >40', Add	72.07	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0169	EA	3-1/2"	Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	437.54	73.88
			For Work In Restricted Working Space, Add	44.33	
			For Elevated Installation >10' To 15', Add	14.78	
			For Elevated Installation >15' To 20', Add	29.55	
			For Elevated Installation >20' To 25', Add	36.94	
			For Elevated Installation >25' To 30', Add	51.72	
			For Elevated Installation >30' To 35', Add	59.11	
			For Elevated Installation >35' To 40', Add	73.89	
			For Elevated Installation >40', Add	81.27	
26 05 33 13-0170	EA	4"	Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	547.83	96.18
			For Work In Restricted Working Space, Add	57.71	
			For Elevated Installation >10' To 15', Add	19.24	
			For Elevated Installation >15' To 20', Add	38.47	
			For Elevated Installation >20' To 25', Add	48.09	
			For Elevated Installation >25' To 30', Add	67.33	
			For Elevated Installation >30' To 35', Add	76.95	
			For Elevated Installation >35' To 40', Add	96.19	
			For Elevated Installation >40', Add	105.80	
26 05 33 13-0171	EA	5"	Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	881.12	156.82
			For Work In Restricted Working Space, Add	94.10	
			For Elevated Installation >10' To 15', Add	31.37	
			For Elevated Installation >15' To 20', Add	62.73	
			For Elevated Installation >20' To 25', Add	78.41	
			For Elevated Installation >25' To 30', Add	109.78	
			For Elevated Installation >30' To 35', Add	125.46	
			For Elevated Installation >35' To 40', Add	156.83	
			For Elevated Installation >40', Add	172.51	
26 05 33 13-0172	EA	6"	Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	1,052.43	235.59
			For Work In Restricted Working Space, Add	141.35	
			For Elevated Installation >10' To 15', Add	47.12	
			For Elevated Installation >15' To 20', Add	94.23	
			For Elevated Installation >20' To 25', Add	117.79	
			For Elevated Installation >25' To 30', Add	164.91	
			For Elevated Installation >30' To 35', Add	188.47	
			For Elevated Installation >35' To 40', Add	235.59	
			For Elevated Installation >40', Add	259.14	
26 05 33 13-0173 Rigid Galvanized Steel (RGS) Plastic Insulating Bushing (26 05 33 13-0060)					
26 05 33 13-0174	EA	1/2"	Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	14.09	6.84
			For Work In Restricted Working Space, Add	4.10	
			For Elevated Installation >10' To 15', Add	1.37	
			For Elevated Installation >15' To 20', Add	2.74	
			For Elevated Installation >20' To 25', Add	3.42	
			For Elevated Installation >25' To 30', Add	4.79	
			For Elevated Installation >30' To 35', Add	5.47	
			For Elevated Installation >35' To 40', Add	6.84	
			For Elevated Installation >40', Add	7.52	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.10	
26 05 33 13-0175	EA	3/4"	Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	15.13	7.29
			For Work In Restricted Working Space, Add	4.38	
			For Elevated Installation >10' To 15', Add	1.46	
			For Elevated Installation >15' To 20', Add	2.92	
			For Elevated Installation >20' To 25', Add	3.65	
			For Elevated Installation >25' To 30', Add	5.11	
			For Elevated Installation >30' To 35', Add	5.84	
			For Elevated Installation >35' To 40', Add	7.30	
			For Elevated Installation >40', Add	8.02	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.38	
26 05 33 13-0176	EA	1"	Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	17.21	8.20
			For Work In Restricted Working Space, Add	4.92	
			For Elevated Installation >10' To 15', Add	1.64	
			For Elevated Installation >15' To 20', Add	3.28	
			For Elevated Installation >20' To 25', Add	4.10	
			For Elevated Installation >25' To 30', Add	5.74	
			For Elevated Installation >30' To 35', Add	6.56	
			For Elevated Installation >35' To 40', Add	8.20	
			For Elevated Installation >40', Add	9.02	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.92	
26 05 33 13-0177	EA	1-1/4"	Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	19.41	9.11
			For Work In Restricted Working Space, Add	5.47	
			For Elevated Installation >10' To 15', Add	1.82	
			For Elevated Installation >15' To 20', Add	3.65	
			For Elevated Installation >20' To 25', Add	4.56	
			For Elevated Installation >25' To 30', Add	6.38	
			For Elevated Installation >30' To 35', Add	7.29	
			For Elevated Installation >35' To 40', Add	9.12	
			For Elevated Installation >40', Add	10.03	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.47	
26 05 33 13-0178	EA	1-1/2"	Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	24.40	11.39
			For Work In Restricted Working Space, Add	6.84	
			For Elevated Installation >10' To 15', Add	2.28	
			For Elevated Installation >15' To 20', Add	4.56	
			For Elevated Installation >20' To 25', Add	5.70	
			For Elevated Installation >25' To 30', Add	7.98	
			For Elevated Installation >30' To 35', Add	9.12	
			For Elevated Installation >35' To 40', Add	11.40	
			For Elevated Installation >40', Add	12.53	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.84	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-0179	EA	2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	30.33	13.68
		For Work In Restricted Working Space, Add	8.20	
		For Elevated Installation >10' To 15', Add	2.73	
		For Elevated Installation >15' To 20', Add	5.47	
		For Elevated Installation >20' To 25', Add	6.84	
		For Elevated Installation >25' To 30', Add	9.57	
		For Elevated Installation >30' To 35', Add	10.94	
		For Elevated Installation >35' To 40', Add	13.67	
		For Elevated Installation >40', Add	15.04	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.20	
26 05 33 13-0180	EA	2-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	38.50	15.95
		For Work In Restricted Working Space, Add	9.57	
		For Elevated Installation >10' To 15', Add	3.19	
		For Elevated Installation >15' To 20', Add	6.38	
		For Elevated Installation >20' To 25', Add	7.98	
		For Elevated Installation >25' To 30', Add	11.17	
		For Elevated Installation >30' To 35', Add	12.76	
		For Elevated Installation >35' To 40', Add	15.95	
		For Elevated Installation >40', Add	17.55	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.57	
26 05 33 13-0181	EA	3" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	43.42	18.23
		For Work In Restricted Working Space, Add	10.94	
		For Elevated Installation >10' To 15', Add	3.65	
		For Elevated Installation >15' To 20', Add	7.29	
		For Elevated Installation >20' To 25', Add	9.12	
		For Elevated Installation >25' To 30', Add	12.76	
		For Elevated Installation >30' To 35', Add	14.58	
		For Elevated Installation >35' To 40', Add	18.23	
		For Elevated Installation >40', Add	20.05	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.94	
26 05 33 13-0182	EA	3-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	50.68	17.15
		For Work In Restricted Working Space, Add	12.31	
		For Elevated Installation >10' To 15', Add	4.10	
		For Elevated Installation >15' To 20', Add	8.20	
		For Elevated Installation >20' To 25', Add	10.26	
		For Elevated Installation >25' To 30', Add	14.36	
		For Elevated Installation >30' To 35', Add	16.41	
		For Elevated Installation >35' To 40', Add	20.51	
		For Elevated Installation >40', Add	22.56	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.31	
26 05 33 13-0183	EA	4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	56.22	22.79
		For Work In Restricted Working Space, Add	13.67	
		For Elevated Installation >10' To 15', Add	4.56	
		For Elevated Installation >15' To 20', Add	9.11	
		For Elevated Installation >20' To 25', Add	11.39	
		For Elevated Installation >25' To 30', Add	15.95	
		For Elevated Installation >30' To 35', Add	18.23	
		For Elevated Installation >35' To 40', Add	22.79	
		For Elevated Installation >40', Add	25.06	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.67	
26 05 33 13-0184	EA	5" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	68.28	25.07
		For Work In Restricted Working Space, Add	15.04	
		For Elevated Installation >10' To 15', Add	5.01	
		For Elevated Installation >15' To 20', Add	10.03	
		For Elevated Installation >20' To 25', Add	12.53	
		For Elevated Installation >25' To 30', Add	17.55	
		For Elevated Installation >30' To 35', Add	20.05	
		For Elevated Installation >35' To 40', Add	25.07	
		For Elevated Installation >40', Add	27.57	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.04	
26 05 33 13-0185	EA	6" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	100.63	27.34
		For Work In Restricted Working Space, Add	16.40	
		For Elevated Installation >10' To 15', Add	5.47	
		For Elevated Installation >15' To 20', Add	10.94	
		For Elevated Installation >20' To 25', Add	13.67	
		For Elevated Installation >25' To 30', Add	19.14	
		For Elevated Installation >30' To 35', Add	21.87	
		For Elevated Installation >35' To 40', Add	27.34	
		For Elevated Installation >40', Add	30.07	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.40	

26 05 33 13-0186 Rigid Galvanized Steel (RGS) Steel Bushing (26 05 33 13-0060)

26 05 33 13-0187	EA	1/2" Rigid Galvanized Steel (RGS) Steel Bushing	17.09	8.04
		For Work In Restricted Working Space, Add	4.82	
		For Elevated Installation >10' To 15', Add	1.61	
		For Elevated Installation >15' To 20', Add	3.22	
		For Elevated Installation >20' To 25', Add	4.02	
		For Elevated Installation >25' To 30', Add	5.63	
		For Elevated Installation >30' To 35', Add	6.43	
		For Elevated Installation >35' To 40', Add	8.04	
		For Elevated Installation >40', Add	8.84	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.82	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0188	EA	3/4"	Rigid Galvanized Steel (RGS) Steel Bushing	18.62	8.58
			For Work In Restricted Working Space, Add	5.15	
			For Elevated Installation >10' To 15', Add	1.72	
			For Elevated Installation >15' To 20', Add	3.43	
			For Elevated Installation >20' To 25', Add	4.29	
			For Elevated Installation >25' To 30', Add	6.00	
			For Elevated Installation >30' To 35', Add	6.86	
			For Elevated Installation >35' To 40', Add	8.58	
			For Elevated Installation >40', Add	9.43	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.15	
26 05 33 13-0189	EA	1"	Rigid Galvanized Steel (RGS) Steel Bushing	21.86	9.66
			For Work In Restricted Working Space, Add	5.79	
			For Elevated Installation >10' To 15', Add	1.93	
			For Elevated Installation >15' To 20', Add	3.86	
			For Elevated Installation >20' To 25', Add	4.83	
			For Elevated Installation >25' To 30', Add	6.76	
			For Elevated Installation >30' To 35', Add	7.72	
			For Elevated Installation >35' To 40', Add	9.65	
			For Elevated Installation >40', Add	10.62	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.79	
26 05 33 13-0190	EA	1-1/4"	Rigid Galvanized Steel (RGS) Steel Bushing	24.61	10.72
			For Work In Restricted Working Space, Add	6.44	
			For Elevated Installation >10' To 15', Add	2.15	
			For Elevated Installation >15' To 20', Add	4.29	
			For Elevated Installation >20' To 25', Add	5.36	
			For Elevated Installation >25' To 30', Add	7.51	
			For Elevated Installation >30' To 35', Add	8.58	
			For Elevated Installation >35' To 40', Add	10.73	
			For Elevated Installation >40', Add	11.80	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.44	
26 05 33 13-0191	EA	1-1/2"	Rigid Galvanized Steel (RGS) Steel Bushing	31.49	13.41
			For Work In Restricted Working Space, Add	8.04	
			For Elevated Installation >10' To 15', Add	2.68	
			For Elevated Installation >15' To 20', Add	5.36	
			For Elevated Installation >20' To 25', Add	6.70	
			For Elevated Installation >25' To 30', Add	9.38	
			For Elevated Installation >30' To 35', Add	10.72	
			For Elevated Installation >35' To 40', Add	13.41	
			For Elevated Installation >40', Add	14.75	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.04	
26 05 33 13-0192	EA	2"	Rigid Galvanized Steel (RGS) Steel Bushing	37.19	16.08
			For Work In Restricted Working Space, Add	9.65	
			For Elevated Installation >10' To 15', Add	3.22	
			For Elevated Installation >15' To 20', Add	6.43	
			For Elevated Installation >20' To 25', Add	8.04	
			For Elevated Installation >25' To 30', Add	11.26	
			For Elevated Installation >30' To 35', Add	12.86	
			For Elevated Installation >35' To 40', Add	16.08	
			For Elevated Installation >40', Add	17.69	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.65	
26 05 33 13-0193	EA	2-1/2"	Rigid Galvanized Steel (RGS) Steel Bushing	53.33	18.77
			For Work In Restricted Working Space, Add	11.26	
			For Elevated Installation >10' To 15', Add	3.75	
			For Elevated Installation >15' To 20', Add	7.51	
			For Elevated Installation >20' To 25', Add	9.38	
			For Elevated Installation >25' To 30', Add	13.14	
			For Elevated Installation >30' To 35', Add	15.01	
			For Elevated Installation >35' To 40', Add	18.77	
			For Elevated Installation >40', Add	20.64	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.26	
26 05 33 13-0194	EA	3"	Rigid Galvanized Steel (RGS) Steel Bushing	63.62	21.45
			For Work In Restricted Working Space, Add	12.87	
			For Elevated Installation >10' To 15', Add	4.29	
			For Elevated Installation >15' To 20', Add	8.58	
			For Elevated Installation >20' To 25', Add	10.72	
			For Elevated Installation >25' To 30', Add	15.01	
			For Elevated Installation >30' To 35', Add	17.16	
			For Elevated Installation >35' To 40', Add	21.45	
			For Elevated Installation >40', Add	23.59	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.87	
26 05 33 13-0195	EA	3-1/2"	Rigid Galvanized Steel (RGS) Steel Bushing	96.67	24.12
			For Work In Restricted Working Space, Add	14.48	
			For Elevated Installation >10' To 15', Add	4.83	
			For Elevated Installation >15' To 20', Add	9.65	
			For Elevated Installation >20' To 25', Add	12.07	
			For Elevated Installation >25' To 30', Add	16.89	
			For Elevated Installation >30' To 35', Add	19.30	
			For Elevated Installation >35' To 40', Add	24.13	
			For Elevated Installation >40', Add	26.54	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.48	
26 05 33 13-0196	EA	4"	Rigid Galvanized Steel (RGS) Steel Bushing	132.12	26.81
			For Work In Restricted Working Space, Add	16.08	
			For Elevated Installation >10' To 15', Add	5.36	
			For Elevated Installation >15' To 20', Add	10.72	
			For Elevated Installation >20' To 25', Add	13.40	
			For Elevated Installation >25' To 30', Add	18.76	
			For Elevated Installation >30' To 35', Add	21.44	
			For Elevated Installation >35' To 40', Add	26.81	
			For Elevated Installation >40', Add	29.49	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.08	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-0197	EA	5" Rigid Galvanized Steel (RGS) Steel Bushing	178.06	29.49
		For Work In Restricted Working Space, Add	17.69	
		For Elevated Installation >10' To 15', Add	5.90	
		For Elevated Installation >15' To 20', Add	11.79	
		For Elevated Installation >20' To 25', Add	14.74	
		For Elevated Installation >25' To 30', Add	20.64	
		For Elevated Installation >30' To 35', Add	23.59	
		For Elevated Installation >35' To 40', Add	29.49	
		For Elevated Installation >40', Add	32.43	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.69	
26 05 33 13-0198	EA	6" Rigid Galvanized Steel (RGS) Steel Bushing	265.34	32.16
		For Work In Restricted Working Space, Add	19.30	
		For Elevated Installation >10' To 15', Add	6.43	
		For Elevated Installation >15' To 20', Add	12.87	
		For Elevated Installation >20' To 25', Add	16.09	
		For Elevated Installation >25' To 30', Add	22.52	
		For Elevated Installation >30' To 35', Add	25.74	
		For Elevated Installation >35' To 40', Add	32.17	
		For Elevated Installation >40', Add	35.39	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.30	
26 05 33 13-0199 Rigid Galvanized Steel (RGS) Steel Insulated Bushing (26 05 33 13-0060)				
26 05 33 13-0200	EA	1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	18.28	8.04
		For Work In Restricted Working Space, Add	4.82	
		For Elevated Installation >10' To 15', Add	1.61	
		For Elevated Installation >15' To 20', Add	3.22	
		For Elevated Installation >20' To 25', Add	4.02	
		For Elevated Installation >25' To 30', Add	5.63	
		For Elevated Installation >30' To 35', Add	6.43	
		For Elevated Installation >35' To 40', Add	8.04	
		For Elevated Installation >40', Add	8.84	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.82	
26 05 33 13-0201	EA	3/4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	20.42	8.58
		For Work In Restricted Working Space, Add	5.15	
		For Elevated Installation >10' To 15', Add	1.72	
		For Elevated Installation >15' To 20', Add	3.43	
		For Elevated Installation >20' To 25', Add	4.29	
		For Elevated Installation >25' To 30', Add	6.00	
		For Elevated Installation >30' To 35', Add	6.86	
		For Elevated Installation >35' To 40', Add	8.58	
		For Elevated Installation >40', Add	9.43	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.15	
26 05 33 13-0202	EA	1" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	24.12	9.66
		For Work In Restricted Working Space, Add	5.79	
		For Elevated Installation >10' To 15', Add	1.93	
		For Elevated Installation >15' To 20', Add	3.86	
		For Elevated Installation >20' To 25', Add	4.83	
		For Elevated Installation >25' To 30', Add	6.76	
		For Elevated Installation >30' To 35', Add	7.72	
		For Elevated Installation >35' To 40', Add	9.65	
		For Elevated Installation >40', Add	10.62	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.79	
26 05 33 13-0203	EA	1-1/4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	28.43	10.72
		For Work In Restricted Working Space, Add	6.44	
		For Elevated Installation >10' To 15', Add	2.15	
		For Elevated Installation >15' To 20', Add	4.29	
		For Elevated Installation >20' To 25', Add	5.36	
		For Elevated Installation >25' To 30', Add	7.51	
		For Elevated Installation >30' To 35', Add	8.58	
		For Elevated Installation >35' To 40', Add	10.73	
		For Elevated Installation >40', Add	11.80	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.44	
26 05 33 13-0204	EA	1-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	35.46	13.41
		For Work In Restricted Working Space, Add	8.04	
		For Elevated Installation >10' To 15', Add	2.68	
		For Elevated Installation >15' To 20', Add	5.36	
		For Elevated Installation >20' To 25', Add	6.70	
		For Elevated Installation >25' To 30', Add	9.38	
		For Elevated Installation >30' To 35', Add	10.72	
		For Elevated Installation >35' To 40', Add	13.41	
		For Elevated Installation >40', Add	14.75	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.04	
26 05 33 13-0205	EA	2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	44.24	16.08
		For Work In Restricted Working Space, Add	9.65	
		For Elevated Installation >10' To 15', Add	3.22	
		For Elevated Installation >15' To 20', Add	6.43	
		For Elevated Installation >20' To 25', Add	8.04	
		For Elevated Installation >25' To 30', Add	11.26	
		For Elevated Installation >30' To 35', Add	12.86	
		For Elevated Installation >35' To 40', Add	16.08	
		For Elevated Installation >40', Add	17.69	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.65	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0206	EA	2-1/2"	Rigid Galvanized Steel (RGS) Steel Insulated Bushing	62.89	18.77
			For Work In Restricted Working Space, Add	11.26	
			For Elevated Installation >10' To 15', Add	3.75	
			For Elevated Installation >15' To 20', Add	7.51	
			For Elevated Installation >20' To 25', Add	9.38	
			For Elevated Installation >25' To 30', Add	13.14	
			For Elevated Installation >30' To 35', Add	15.01	
			For Elevated Installation >35' To 40', Add	18.77	
			For Elevated Installation >40', Add	20.64	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.26	
26 05 33 13-0207	EA	3"	Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	74.83	21.45
			For Work In Restricted Working Space, Add	12.87	
			For Elevated Installation >10' To 15', Add	4.29	
			For Elevated Installation >15' To 20', Add	8.58	
			For Elevated Installation >20' To 25', Add	10.72	
			For Elevated Installation >25' To 30', Add	15.01	
			For Elevated Installation >30' To 35', Add	17.16	
			For Elevated Installation >35' To 40', Add	21.45	
			For Elevated Installation >40', Add	23.59	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.87	
26 05 33 13-0208	EA	3-1/2"	Rigid Galvanized Steel (RGS) Steel Insulated Bushing	98.76	24.12
			For Work In Restricted Working Space, Add	14.48	
			For Elevated Installation >10' To 15', Add	4.83	
			For Elevated Installation >15' To 20', Add	9.65	
			For Elevated Installation >20' To 25', Add	12.07	
			For Elevated Installation >25' To 30', Add	16.89	
			For Elevated Installation >30' To 35', Add	19.30	
			For Elevated Installation >35' To 40', Add	24.13	
			For Elevated Installation >40', Add	26.54	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.48	
26 05 33 13-0209	EA	4"	Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	141.47	26.81
			For Work In Restricted Working Space, Add	16.08	
			For Elevated Installation >10' To 15', Add	5.36	
			For Elevated Installation >15' To 20', Add	10.72	
			For Elevated Installation >20' To 25', Add	13.40	
			For Elevated Installation >25' To 30', Add	18.76	
			For Elevated Installation >30' To 35', Add	21.44	
			For Elevated Installation >35' To 40', Add	26.81	
			For Elevated Installation >40', Add	29.49	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.08	
26 05 33 13-0210	EA	5"	Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	188.24	29.49
			For Work In Restricted Working Space, Add	17.69	
			For Elevated Installation >10' To 15', Add	5.90	
			For Elevated Installation >15' To 20', Add	11.79	
			For Elevated Installation >20' To 25', Add	14.74	
			For Elevated Installation >25' To 30', Add	20.64	
			For Elevated Installation >30' To 35', Add	23.59	
			For Elevated Installation >35' To 40', Add	29.49	
			For Elevated Installation >40', Add	32.43	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.69	
26 05 33 13-0211	EA	6"	Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	268.92	32.16
			For Work In Restricted Working Space, Add	19.30	
			For Elevated Installation >10' To 15', Add	6.43	
			For Elevated Installation >15' To 20', Add	12.87	
			For Elevated Installation >20' To 25', Add	16.09	
			For Elevated Installation >25' To 30', Add	22.52	
			For Elevated Installation >30' To 35', Add	25.74	
			For Elevated Installation >35' To 40', Add	32.17	
			For Elevated Installation >40', Add	35.39	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.30	
26 05 33 13-0212			Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing (26 05 33 13-0060)		
26 05 33 13-0213	EA	1/2"	Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	28.17	9.66
			For Work In Restricted Working Space, Add	5.79	
			For Elevated Installation >10' To 15', Add	1.93	
			For Elevated Installation >15' To 20', Add	3.86	
			For Elevated Installation >20' To 25', Add	4.83	
			For Elevated Installation >25' To 30', Add	6.76	
			For Elevated Installation >30' To 35', Add	7.72	
			For Elevated Installation >35' To 40', Add	9.65	
			For Elevated Installation >40', Add	10.62	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.79	
26 05 33 13-0214	EA	3/4"	Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	31.58	10.72
			For Work In Restricted Working Space, Add	6.44	
			For Elevated Installation >10' To 15', Add	2.15	
			For Elevated Installation >15' To 20', Add	4.29	
			For Elevated Installation >20' To 25', Add	5.36	
			For Elevated Installation >25' To 30', Add	7.51	
			For Elevated Installation >30' To 35', Add	8.58	
			For Elevated Installation >35' To 40', Add	10.73	
			For Elevated Installation >40', Add	11.80	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.44	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
26 05 33 13-0215	EA 1" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	36.22		11.79	
	For Work In Restricted Working Space, Add	7.08			
	For Elevated Installation >10' To 15', Add	2.36			
	For Elevated Installation >15' To 20', Add	4.72			
	For Elevated Installation >20' To 25', Add	5.90			
	For Elevated Installation >25' To 30', Add	8.26			
	For Elevated Installation >30' To 35', Add	9.44			
	For Elevated Installation >35' To 40', Add	11.80			
	For Elevated Installation >40', Add	12.97			
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.08			
26 05 33 13-0216	EA 1-1/4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	43.15		13.41	
	For Work In Restricted Working Space, Add	8.04			
	For Elevated Installation >10' To 15', Add	2.68			
	For Elevated Installation >15' To 20', Add	5.36			
	For Elevated Installation >20' To 25', Add	6.70			
	For Elevated Installation >25' To 30', Add	9.38			
	For Elevated Installation >30' To 35', Add	10.72			
	For Elevated Installation >35' To 40', Add	13.41			
	For Elevated Installation >40', Add	14.75			
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.04			
26 05 33 13-0217	EA 2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	52.10		16.62	
	For Work In Restricted Working Space, Add	9.97			
	For Elevated Installation >10' To 15', Add	3.32			
	For Elevated Installation >15' To 20', Add	6.65			
	For Elevated Installation >20' To 25', Add	8.31			
	For Elevated Installation >25' To 30', Add	11.63			
	For Elevated Installation >30' To 35', Add	13.30			
	For Elevated Installation >35' To 40', Add	16.62			
	For Elevated Installation >40', Add	18.28			
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.97			
26 05 33 13-0218	EA 2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	65.87		19.84	
	For Work In Restricted Working Space, Add	11.90			
	For Elevated Installation >10' To 15', Add	3.97			
	For Elevated Installation >15' To 20', Add	7.93			
	For Elevated Installation >20' To 25', Add	9.92			
	For Elevated Installation >25' To 30', Add	13.88			
	For Elevated Installation >30' To 35', Add	15.87			
	For Elevated Installation >35' To 40', Add	19.84			
	For Elevated Installation >40', Add	21.82			
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.90			
26 05 33 13-0219	EA 2-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	88.91		23.05	
	For Work In Restricted Working Space, Add	13.83			
	For Elevated Installation >10' To 15', Add	4.61			
	For Elevated Installation >15' To 20', Add	9.22			
	For Elevated Installation >20' To 25', Add	11.53			
	For Elevated Installation >25' To 30', Add	16.14			
	For Elevated Installation >30' To 35', Add	18.44			
	For Elevated Installation >35' To 40', Add	23.06			
	For Elevated Installation >40', Add	25.36			
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.83			
26 05 33 13-0220	EA 3" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	97.77		26.81	
	For Work In Restricted Working Space, Add	16.08			
	For Elevated Installation >10' To 15', Add	5.36			
	For Elevated Installation >15' To 20', Add	10.72			
	For Elevated Installation >20' To 25', Add	13.40			
	For Elevated Installation >25' To 30', Add	18.76			
	For Elevated Installation >30' To 35', Add	21.44			
	For Elevated Installation >35' To 40', Add	26.81			
	For Elevated Installation >40', Add	29.49			
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.08			
26 05 33 13-0221	EA 3-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	110.62		30.03	
	For Work In Restricted Working Space, Add	18.02			
	For Elevated Installation >10' To 15', Add	6.01			
	For Elevated Installation >15' To 20', Add	12.01			
	For Elevated Installation >20' To 25', Add	15.01			
	For Elevated Installation >25' To 30', Add	21.02			
	For Elevated Installation >30' To 35', Add	24.02			
	For Elevated Installation >35' To 40', Add	30.03			
	For Elevated Installation >40', Add	33.03			
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.02			
26 05 33 13-0222	EA 4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	143.89		33.24	
	For Work In Restricted Working Space, Add	19.94			
	For Elevated Installation >10' To 15', Add	6.65			
	For Elevated Installation >15' To 20', Add	13.30			
	For Elevated Installation >20' To 25', Add	16.62			
	For Elevated Installation >25' To 30', Add	23.27			
	For Elevated Installation >30' To 35', Add	26.59			
	For Elevated Installation >35' To 40', Add	33.24			
	For Elevated Installation >40', Add	36.56			
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.94			
26 05 33 13-0223	EA 5" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	206.17		36.46	
	For Work In Restricted Working Space, Add	21.88			
	For Elevated Installation >10' To 15', Add	7.29			
	For Elevated Installation >15' To 20', Add	14.58			
	For Elevated Installation >20' To 25', Add	18.23			
	For Elevated Installation >25' To 30', Add	25.52			
	For Elevated Installation >30' To 35', Add	29.17			
	For Elevated Installation >35' To 40', Add	36.46			
	For Elevated Installation >40', Add	40.11			
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.88			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0224	EA		6" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	285.82	40.22
			For Work In Restricted Working Space, Add	24.13	
			For Elevated Installation >10' To 15', Add	8.04	
			For Elevated Installation >15' To 20', Add	16.08	
			For Elevated Installation >20' To 25', Add	20.11	
			For Elevated Installation >25' To 30', Add	28.15	
			For Elevated Installation >30' To 35', Add	32.17	
			For Elevated Installation >35' To 40', Add	40.21	
			For Elevated Installation >40', Add	44.23	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.13	
26 05 33 13-0225			Rigid Galvanized Steel (RGS) Box Connectors With Set Screw (26 05 33 13-0060)		
26 05 33 13-0226	EA		1/2" Rigid Galvanized Steel (RGS) Box Connector With Set Screw	16.38	4.93
			For Work In Restricted Working Space, Add	3.67	
			For Elevated Installation >10' To 15', Add	1.22	
			For Elevated Installation >15' To 20', Add	2.45	
			For Elevated Installation >20' To 25', Add	3.06	
			For Elevated Installation >25' To 30', Add	4.28	
			For Elevated Installation >30' To 35', Add	4.90	
			For Elevated Installation >35' To 40', Add	6.12	
			For Elevated Installation >40', Add	6.73	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.67	
26 05 33 13-0227	EA		3/4" Rigid Galvanized Steel (RGS) Box Connector With Set Screw	19.91	5.68
			For Work In Restricted Working Space, Add	4.25	
			For Elevated Installation >10' To 15', Add	1.42	
			For Elevated Installation >15' To 20', Add	2.83	
			For Elevated Installation >20' To 25', Add	3.54	
			For Elevated Installation >25' To 30', Add	4.96	
			For Elevated Installation >30' To 35', Add	5.67	
			For Elevated Installation >35' To 40', Add	7.09	
			For Elevated Installation >40', Add	7.79	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.25	
26 05 33 13-0228	EA		1" Rigid Galvanized Steel (RGS) Box Connector With Set Screw	26.24	6.86
			For Work In Restricted Working Space, Add	5.12	
			For Elevated Installation >10' To 15', Add	1.71	
			For Elevated Installation >15' To 20', Add	3.42	
			For Elevated Installation >20' To 25', Add	4.27	
			For Elevated Installation >25' To 30', Add	5.98	
			For Elevated Installation >30' To 35', Add	6.83	
			For Elevated Installation >35' To 40', Add	8.54	
			For Elevated Installation >40', Add	9.39	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.12	
26 05 33 13-0229	EA		1-1/4" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	39.20	8.47
			For Work In Restricted Working Space, Add	6.38	
			For Elevated Installation >10' To 15', Add	2.13	
			For Elevated Installation >15' To 20', Add	4.25	
			For Elevated Installation >20' To 25', Add	5.31	
			For Elevated Installation >25' To 30', Add	7.44	
			For Elevated Installation >30' To 35', Add	8.50	
			For Elevated Installation >35' To 40', Add	10.63	
			For Elevated Installation >40', Add	11.69	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.38	
26 05 33 13-0230	EA		1-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	53.10	11.37
			For Work In Restricted Working Space, Add	8.53	
			For Elevated Installation >10' To 15', Add	2.84	
			For Elevated Installation >15' To 20', Add	5.69	
			For Elevated Installation >20' To 25', Add	7.11	
			For Elevated Installation >25' To 30', Add	9.95	
			For Elevated Installation >30' To 35', Add	11.38	
			For Elevated Installation >35' To 40', Add	14.22	
			For Elevated Installation >40', Add	15.64	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.53	
26 05 33 13-0231	EA		2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	90.94	17.04
			For Work In Restricted Working Space, Add	12.78	
			For Elevated Installation >10' To 15', Add	4.26	
			For Elevated Installation >15' To 20', Add	8.52	
			For Elevated Installation >20' To 25', Add	10.65	
			For Elevated Installation >25' To 30', Add	14.91	
			For Elevated Installation >30' To 35', Add	17.04	
			For Elevated Installation >35' To 40', Add	21.30	
			For Elevated Installation >40', Add	23.43	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.78	
26 05 33 13-0232	EA		2-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	166.81	18.87
			For Work In Restricted Working Space, Add	14.15	
			For Elevated Installation >10' To 15', Add	4.72	
			For Elevated Installation >15' To 20', Add	9.44	
			For Elevated Installation >20' To 25', Add	11.80	
			For Elevated Installation >25' To 30', Add	16.51	
			For Elevated Installation >30' To 35', Add	18.87	
			For Elevated Installation >35' To 40', Add	23.59	
			For Elevated Installation >40', Add	25.95	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.15	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-0233	EA	3" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	198.75	22.84
		For Work In Restricted Working Space, Add	17.15	
		For Elevated Installation >10' To 15', Add	5.72	
		For Elevated Installation >15' To 20', Add	11.43	
		For Elevated Installation >20' To 25', Add	14.29	
		For Elevated Installation >25' To 30', Add	20.00	
		For Elevated Installation >30' To 35', Add	22.86	
		For Elevated Installation >35' To 40', Add	28.58	
		For Elevated Installation >40', Add	31.43	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.15	
26 05 33 13-0234	EA	3-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	269.30	28.64
		For Work In Restricted Working Space, Add	21.46	
		For Elevated Installation >10' To 15', Add	7.15	
		For Elevated Installation >15' To 20', Add	14.31	
		For Elevated Installation >20' To 25', Add	17.89	
		For Elevated Installation >25' To 30', Add	25.04	
		For Elevated Installation >30' To 35', Add	28.62	
		For Elevated Installation >35' To 40', Add	35.77	
		For Elevated Installation >40', Add	39.35	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.46	
26 05 33 13-0235	EA	4" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	315.28	34.31
		For Work In Restricted Working Space, Add	25.73	
		For Elevated Installation >10' To 15', Add	8.58	
		For Elevated Installation >15' To 20', Add	17.16	
		For Elevated Installation >20' To 25', Add	21.45	
		For Elevated Installation >25' To 30', Add	30.02	
		For Elevated Installation >30' To 35', Add	34.31	
		For Elevated Installation >35' To 40', Add	42.89	
		For Elevated Installation >40', Add	47.18	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.73	
26 05 33 13-0236	EA	5" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	559.21	38.17
		For Work In Restricted Working Space, Add	28.60	
		For Elevated Installation >10' To 15', Add	9.53	
		For Elevated Installation >15' To 20', Add	19.07	
		For Elevated Installation >20' To 25', Add	23.83	
		For Elevated Installation >25' To 30', Add	33.37	
		For Elevated Installation >30' To 35', Add	38.13	
		For Elevated Installation >35' To 40', Add	47.67	
		For Elevated Installation >40', Add	52.43	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.60	
26 05 33 13-0237	EA	6" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	668.75	42.89
		For Work In Restricted Working Space, Add	32.16	
		For Elevated Installation >10' To 15', Add	10.72	
		For Elevated Installation >15' To 20', Add	21.44	
		For Elevated Installation >20' To 25', Add	26.80	
		For Elevated Installation >25' To 30', Add	37.52	
		For Elevated Installation >30' To 35', Add	42.88	
		For Elevated Installation >35' To 40', Add	53.61	
		For Elevated Installation >40', Add	58.97	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.16	

26 05 33 13-0238 Rigid Galvanized Steel (RGS) Nipples (26 05 33 13-0060)

26 05 33 13-0239	EA	1/2" x 2" Long, Rigid Galvanized Steel (RGS) Nipple	15.80	6.97
		For Work In Restricted Working Space, Add	4.18	
		For Elevated Installation >10' To 15', Add	1.39	
		For Elevated Installation >15' To 20', Add	2.79	
		For Elevated Installation >20' To 25', Add	3.49	
		For Elevated Installation >25' To 30', Add	4.88	
		For Elevated Installation >30' To 35', Add	5.58	
		For Elevated Installation >35' To 40', Add	6.97	
		For Elevated Installation >40', Add	7.67	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.18	
26 05 33 13-0240	EA	3/4" x 2" Long, Rigid Galvanized Steel (RGS) Nipple	18.17	8.04
		For Work In Restricted Working Space, Add	4.82	
		For Elevated Installation >10' To 15', Add	1.61	
		For Elevated Installation >15' To 20', Add	3.22	
		For Elevated Installation >20' To 25', Add	4.02	
		For Elevated Installation >25' To 30', Add	5.63	
		For Elevated Installation >30' To 35', Add	6.43	
		For Elevated Installation >35' To 40', Add	8.04	
		For Elevated Installation >40', Add	8.84	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.82	
26 05 33 13-0241	EA	1" x 2" Long, Rigid Galvanized Steel (RGS) Nipple	23.29	10.19
		For Work In Restricted Working Space, Add	6.11	
		For Elevated Installation >10' To 15', Add	2.04	
		For Elevated Installation >15' To 20', Add	4.07	
		For Elevated Installation >20' To 25', Add	5.09	
		For Elevated Installation >25' To 30', Add	7.13	
		For Elevated Installation >30' To 35', Add	8.15	
		For Elevated Installation >35' To 40', Add	10.19	
		For Elevated Installation >40', Add	11.20	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.11	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0242	EA	1-1/4" x 2" Long, Rigid Galvanized Steel (RGS) Nipple.....	27.30	11.79	
		For Work In Restricted Working Space, Add	7.08		
		For Elevated Installation >10' To 15', Add	2.36		
		For Elevated Installation >15' To 20', Add	4.72		
		For Elevated Installation >20' To 25', Add	5.90		
		For Elevated Installation >25' To 30', Add	8.26		
		For Elevated Installation >30' To 35', Add	9.44		
		For Elevated Installation >35' To 40', Add	11.80		
		For Elevated Installation >40', Add	12.97		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.08		
26 05 33 13-0243	EA	1-1/2" x 2" Long, Rigid Galvanized Steel (RGS) Nipple.....	31.21	13.41	
		For Work In Restricted Working Space, Add	8.04		
		For Elevated Installation >10' To 15', Add	2.68		
		For Elevated Installation >15' To 20', Add	5.36		
		For Elevated Installation >20' To 25', Add	6.70		
		For Elevated Installation >25' To 30', Add	9.38		
		For Elevated Installation >30' To 35', Add	10.72		
		For Elevated Installation >35' To 40', Add	13.41		
		For Elevated Installation >40', Add	14.75		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.04		
26 05 33 13-0244	EA	1/2" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	15.94	6.97	
		For Work In Restricted Working Space, Add	4.18		
		For Elevated Installation >10' To 15', Add	1.39		
		For Elevated Installation >15' To 20', Add	2.79		
		For Elevated Installation >20' To 25', Add	3.49		
		For Elevated Installation >25' To 30', Add	4.88		
		For Elevated Installation >30' To 35', Add	5.58		
		For Elevated Installation >35' To 40', Add	6.97		
		For Elevated Installation >40', Add	7.67		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.18		
26 05 33 13-0245	EA	3/4" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	18.40	8.04	
		For Work In Restricted Working Space, Add	4.82		
		For Elevated Installation >10' To 15', Add	1.61		
		For Elevated Installation >15' To 20', Add	3.22		
		For Elevated Installation >20' To 25', Add	4.02		
		For Elevated Installation >25' To 30', Add	5.63		
		For Elevated Installation >30' To 35', Add	6.43		
		For Elevated Installation >35' To 40', Add	8.04		
		For Elevated Installation >40', Add	8.84		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.82		
26 05 33 13-0246	EA	1" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	23.54	10.19	
		For Work In Restricted Working Space, Add	6.11		
		For Elevated Installation >10' To 15', Add	2.04		
		For Elevated Installation >15' To 20', Add	4.07		
		For Elevated Installation >20' To 25', Add	5.09		
		For Elevated Installation >25' To 30', Add	7.13		
		For Elevated Installation >30' To 35', Add	8.15		
		For Elevated Installation >35' To 40', Add	10.19		
		For Elevated Installation >40', Add	11.20		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.11		
26 05 33 13-0247	EA	1-1/4" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	27.65	11.79	
		For Work In Restricted Working Space, Add	7.08		
		For Elevated Installation >10' To 15', Add	2.36		
		For Elevated Installation >15' To 20', Add	4.72		
		For Elevated Installation >20' To 25', Add	5.90		
		For Elevated Installation >25' To 30', Add	8.26		
		For Elevated Installation >30' To 35', Add	9.44		
		For Elevated Installation >35' To 40', Add	11.80		
		For Elevated Installation >40', Add	12.97		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.08		
26 05 33 13-0248	EA	1-1/2" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	31.77	13.41	
		For Work In Restricted Working Space, Add	8.04		
		For Elevated Installation >10' To 15', Add	2.68		
		For Elevated Installation >15' To 20', Add	5.36		
		For Elevated Installation >20' To 25', Add	6.70		
		For Elevated Installation >25' To 30', Add	9.38		
		For Elevated Installation >30' To 35', Add	10.72		
		For Elevated Installation >35' To 40', Add	13.41		
		For Elevated Installation >40', Add	14.75		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.04		
26 05 33 13-0249	EA	2" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	36.02	15.01	
		For Work In Restricted Working Space, Add	9.01		
		For Elevated Installation >10' To 15', Add	3.00		
		For Elevated Installation >15' To 20', Add	6.01		
		For Elevated Installation >20' To 25', Add	7.51		
		For Elevated Installation >25' To 30', Add	10.51		
		For Elevated Installation >30' To 35', Add	12.01		
		For Elevated Installation >35' To 40', Add	15.02		
		For Elevated Installation >40', Add	16.52		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.01		
26 05 33 13-0250	EA	1/2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple.....	16.11	6.97	
		For Work In Restricted Working Space, Add	4.18		
		For Elevated Installation >10' To 15', Add	1.39		
		For Elevated Installation >15' To 20', Add	2.79		
		For Elevated Installation >20' To 25', Add	3.49		
		For Elevated Installation >25' To 30', Add	4.88		
		For Elevated Installation >30' To 35', Add	5.58		
		For Elevated Installation >35' To 40', Add	6.97		
		For Elevated Installation >40', Add	7.67		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.18		

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 05 33 13-0251	EA 3/4" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	18.61		8.04
	For Work In Restricted Working Space, Add	4.82		
	For Elevated Installation >10' To 15', Add	1.61		
	For Elevated Installation >15' To 20', Add	3.22		
	For Elevated Installation >20' To 25', Add	4.02		
	For Elevated Installation >25' To 30', Add	5.63		
	For Elevated Installation >30' To 35', Add	6.43		
	For Elevated Installation >35' To 40', Add	8.04		
	For Elevated Installation >40', Add	8.84		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.82		
26 05 33 13-0252	EA 1" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	23.90		10.19
	For Work In Restricted Working Space, Add	6.11		
	For Elevated Installation >10' To 15', Add	2.04		
	For Elevated Installation >15' To 20', Add	4.07		
	For Elevated Installation >20' To 25', Add	5.09		
	For Elevated Installation >25' To 30', Add	7.13		
	For Elevated Installation >30' To 35', Add	8.15		
	For Elevated Installation >35' To 40', Add	10.19		
	For Elevated Installation >40', Add	11.20		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.11		
26 05 33 13-0253	EA 1-1/4" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	27.97		11.79
	For Work In Restricted Working Space, Add	7.08		
	For Elevated Installation >10' To 15', Add	2.36		
	For Elevated Installation >15' To 20', Add	4.72		
	For Elevated Installation >20' To 25', Add	5.90		
	For Elevated Installation >25' To 30', Add	8.26		
	For Elevated Installation >30' To 35', Add	9.44		
	For Elevated Installation >35' To 40', Add	11.80		
	For Elevated Installation >40', Add	12.97		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.08		
26 05 33 13-0254	EA 1-1/2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	32.15		13.41
	For Work In Restricted Working Space, Add	8.04		
	For Elevated Installation >10' To 15', Add	2.68		
	For Elevated Installation >15' To 20', Add	5.36		
	For Elevated Installation >20' To 25', Add	6.70		
	For Elevated Installation >25' To 30', Add	9.38		
	For Elevated Installation >30' To 35', Add	10.72		
	For Elevated Installation >35' To 40', Add	13.41		
	For Elevated Installation >40', Add	14.75		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.04		
26 05 33 13-0255	EA 2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	36.95		15.01
	For Work In Restricted Working Space, Add	9.01		
	For Elevated Installation >10' To 15', Add	3.00		
	For Elevated Installation >15' To 20', Add	6.00		
	For Elevated Installation >20' To 25', Add	7.51		
	For Elevated Installation >25' To 30', Add	10.51		
	For Elevated Installation >30' To 35', Add	12.01		
	For Elevated Installation >35' To 40', Add	15.01		
	For Elevated Installation >40', Add	16.51		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.01		
26 05 33 13-0256	EA 2-1/2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	50.77		18.23
	For Work In Restricted Working Space, Add	10.94		
	For Elevated Installation >10' To 15', Add	3.65		
	For Elevated Installation >15' To 20', Add	7.29		
	For Elevated Installation >20' To 25', Add	9.12		
	For Elevated Installation >25' To 30', Add	12.76		
	For Elevated Installation >30' To 35', Add	14.58		
	For Elevated Installation >35' To 40', Add	18.23		
	For Elevated Installation >40', Add	20.05		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.94		
26 05 33 13-0257	EA 3" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	67.98		25.20
	For Work In Restricted Working Space, Add	15.12		
	For Elevated Installation >10' To 15', Add	5.04		
	For Elevated Installation >15' To 20', Add	10.08		
	For Elevated Installation >20' To 25', Add	12.60		
	For Elevated Installation >25' To 30', Add	17.64		
	For Elevated Installation >30' To 35', Add	20.16		
	For Elevated Installation >35' To 40', Add	25.20		
	For Elevated Installation >40', Add	27.71		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.12		
26 05 33 13-0258	EA 1/2" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	16.32		6.97
	For Work In Restricted Working Space, Add	4.18		
	For Elevated Installation >10' To 15', Add	1.39		
	For Elevated Installation >15' To 20', Add	2.79		
	For Elevated Installation >20' To 25', Add	3.49		
	For Elevated Installation >25' To 30', Add	4.88		
	For Elevated Installation >30' To 35', Add	5.58		
	For Elevated Installation >35' To 40', Add	6.97		
	For Elevated Installation >40', Add	7.67		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.18		
26 05 33 13-0259	EA 3/4" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	18.72		8.04
	For Work In Restricted Working Space, Add	4.82		
	For Elevated Installation >10' To 15', Add	1.61		
	For Elevated Installation >15' To 20', Add	3.22		
	For Elevated Installation >20' To 25', Add	4.02		
	For Elevated Installation >25' To 30', Add	5.63		
	For Elevated Installation >30' To 35', Add	6.43		
	For Elevated Installation >35' To 40', Add	8.04		
	For Elevated Installation >40', Add	8.84		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.82		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0260	EA	1" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	24.38	10.19	
		For Work In Restricted Working Space, Add	6.11		
		For Elevated Installation >10' To 15', Add	2.04		
		For Elevated Installation >15' To 20', Add	4.07		
		For Elevated Installation >20' To 25', Add	5.09		
		For Elevated Installation >25' To 30', Add	7.13		
		For Elevated Installation >30' To 35', Add	8.15		
		For Elevated Installation >35' To 40', Add	10.19		
		For Elevated Installation >40', Add	11.20		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.11		
26 05 33 13-0261	EA	1-1/4" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	28.57	11.79	
		For Work In Restricted Working Space, Add	7.08		
		For Elevated Installation >10' To 15', Add	2.36		
		For Elevated Installation >15' To 20', Add	4.72		
		For Elevated Installation >20' To 25', Add	5.90		
		For Elevated Installation >25' To 30', Add	8.26		
		For Elevated Installation >30' To 35', Add	9.44		
		For Elevated Installation >35' To 40', Add	11.80		
		For Elevated Installation >40', Add	12.97		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.08		
26 05 33 13-0262	EA	1-1/2" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	32.95	13.41	
		For Work In Restricted Working Space, Add	8.04		
		For Elevated Installation >10' To 15', Add	2.68		
		For Elevated Installation >15' To 20', Add	5.36		
		For Elevated Installation >20' To 25', Add	6.70		
		For Elevated Installation >25' To 30', Add	9.38		
		For Elevated Installation >30' To 35', Add	10.72		
		For Elevated Installation >35' To 40', Add	13.41		
		For Elevated Installation >40', Add	14.75		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.04		
26 05 33 13-0263	EA	2" x 3-1/2" Long, Rigid Galvanized Steel (RGS), Nipple.....	37.91	15.01	
		For Work In Restricted Working Space, Add	9.01		
		For Elevated Installation >10' To 15', Add	3.00		
		For Elevated Installation >15' To 20', Add	6.00		
		For Elevated Installation >20' To 25', Add	7.51		
		For Elevated Installation >25' To 30', Add	10.51		
		For Elevated Installation >30' To 35', Add	12.01		
		For Elevated Installation >35' To 40', Add	15.01		
		For Elevated Installation >40', Add	16.51		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.01		
26 05 33 13-0264	EA	2-1/2" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	53.38	18.23	
		For Work In Restricted Working Space, Add	10.94		
		For Elevated Installation >10' To 15', Add	3.65		
		For Elevated Installation >15' To 20', Add	7.29		
		For Elevated Installation >20' To 25', Add	9.12		
		For Elevated Installation >25' To 30', Add	12.76		
		For Elevated Installation >30' To 35', Add	14.58		
		For Elevated Installation >35' To 40', Add	18.23		
		For Elevated Installation >40', Add	20.05		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.94		
26 05 33 13-0265	EA	3" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	70.24	25.20	
		For Work In Restricted Working Space, Add	15.12		
		For Elevated Installation >10' To 15', Add	5.04		
		For Elevated Installation >15' To 20', Add	10.08		
		For Elevated Installation >20' To 25', Add	12.60		
		For Elevated Installation >25' To 30', Add	17.64		
		For Elevated Installation >30' To 35', Add	20.16		
		For Elevated Installation >35' To 40', Add	25.20		
		For Elevated Installation >40', Add	27.71		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.12		
26 05 33 13-0266	EA	1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple.....	16.51	6.97	
		For Work In Restricted Working Space, Add	4.18		
		For Elevated Installation >10' To 15', Add	1.39		
		For Elevated Installation >15' To 20', Add	2.79		
		For Elevated Installation >20' To 25', Add	3.49		
		For Elevated Installation >25' To 30', Add	4.88		
		For Elevated Installation >30' To 35', Add	5.58		
		For Elevated Installation >35' To 40', Add	6.97		
		For Elevated Installation >40', Add	7.67		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.18		
26 05 33 13-0267	EA	3/4" x 4" Long, Rigid Galvanized Steel (RGS) Nipple.....	19.08	8.04	
		For Work In Restricted Working Space, Add	4.82		
		For Elevated Installation >10' To 15', Add	1.61		
		For Elevated Installation >15' To 20', Add	3.22		
		For Elevated Installation >20' To 25', Add	4.02		
		For Elevated Installation >25' To 30', Add	5.63		
		For Elevated Installation >30' To 35', Add	6.43		
		For Elevated Installation >35' To 40', Add	8.04		
		For Elevated Installation >40', Add	8.84		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.82		
26 05 33 13-0268	EA	1" x 4" Long, Rigid Galvanized Steel (RGS) Nipple.....	24.67	10.19	
		For Work In Restricted Working Space, Add	6.11		
		For Elevated Installation >10' To 15', Add	2.04		
		For Elevated Installation >15' To 20', Add	4.07		
		For Elevated Installation >20' To 25', Add	5.09		
		For Elevated Installation >25' To 30', Add	7.13		
		For Elevated Installation >30' To 35', Add	8.15		
		For Elevated Installation >35' To 40', Add	10.19		
		For Elevated Installation >40', Add	11.20		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.11		

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 05 33 13-0269	EA 1-1/4" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	28.86		11.79
	For Work In Restricted Working Space, Add	7.08		
	For Elevated Installation >10' To 15', Add	2.36		
	For Elevated Installation >15' To 20', Add	4.72		
	For Elevated Installation >20' To 25', Add	5.90		
	For Elevated Installation >25' To 30', Add	8.26		
	For Elevated Installation >30' To 35', Add	9.44		
	For Elevated Installation >35' To 40', Add	11.80		
	For Elevated Installation >40', Add	12.97		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.08		
26 05 33 13-0270	EA 1-1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	33.49		13.41
	For Work In Restricted Working Space, Add	8.04		
	For Elevated Installation >10' To 15', Add	2.68		
	For Elevated Installation >15' To 20', Add	5.36		
	For Elevated Installation >20' To 25', Add	6.70		
	For Elevated Installation >25' To 30', Add	9.38		
	For Elevated Installation >30' To 35', Add	10.72		
	For Elevated Installation >35' To 40', Add	13.41		
	For Elevated Installation >40', Add	14.75		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.04		
26 05 33 13-0271	EA 2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	38.73		15.01
	For Work In Restricted Working Space, Add	9.01		
	For Elevated Installation >10' To 15', Add	3.00		
	For Elevated Installation >15' To 20', Add	6.00		
	For Elevated Installation >20' To 25', Add	7.51		
	For Elevated Installation >25' To 30', Add	10.51		
	For Elevated Installation >30' To 35', Add	12.01		
	For Elevated Installation >35' To 40', Add	15.01		
	For Elevated Installation >40', Add	16.51		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.01		
26 05 33 13-0272	EA 2-1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	54.18		18.23
	For Work In Restricted Working Space, Add	10.94		
	For Elevated Installation >10' To 15', Add	3.65		
	For Elevated Installation >15' To 20', Add	7.29		
	For Elevated Installation >20' To 25', Add	9.12		
	For Elevated Installation >25' To 30', Add	12.76		
	For Elevated Installation >30' To 35', Add	14.58		
	For Elevated Installation >35' To 40', Add	18.23		
	For Elevated Installation >40', Add	20.05		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.94		
26 05 33 13-0273	EA 3" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	71.91		25.20
	For Work In Restricted Working Space, Add	15.12		
	For Elevated Installation >10' To 15', Add	5.04		
	For Elevated Installation >15' To 20', Add	10.08		
	For Elevated Installation >20' To 25', Add	12.60		
	For Elevated Installation >25' To 30', Add	17.64		
	For Elevated Installation >30' To 35', Add	20.16		
	For Elevated Installation >35' To 40', Add	25.20		
	For Elevated Installation >40', Add	27.71		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.12		
26 05 33 13-0274	EA 3-1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	83.02		28.41
	For Work In Restricted Working Space, Add	17.05		
	For Elevated Installation >10' To 15', Add	5.68		
	For Elevated Installation >15' To 20', Add	11.37		
	For Elevated Installation >20' To 25', Add	14.21		
	For Elevated Installation >25' To 30', Add	19.89		
	For Elevated Installation >30' To 35', Add	22.73		
	For Elevated Installation >35' To 40', Add	28.42		
	For Elevated Installation >40', Add	31.26		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.05		
26 05 33 13-0275	EA 4" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	103.39		37.00
	For Work In Restricted Working Space, Add	22.19		
	For Elevated Installation >10' To 15', Add	7.40		
	For Elevated Installation >15' To 20', Add	14.80		
	For Elevated Installation >20' To 25', Add	18.50		
	For Elevated Installation >25' To 30', Add	25.89		
	For Elevated Installation >30' To 35', Add	29.59		
	For Elevated Installation >35' To 40', Add	36.99		
	For Elevated Installation >40', Add	40.69		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.19		
26 05 33 13-0276	EA 1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	16.82		6.97
	For Work In Restricted Working Space, Add	4.18		
	For Elevated Installation >10' To 15', Add	1.39		
	For Elevated Installation >15' To 20', Add	2.79		
	For Elevated Installation >20' To 25', Add	3.49		
	For Elevated Installation >25' To 30', Add	4.88		
	For Elevated Installation >30' To 35', Add	5.58		
	For Elevated Installation >35' To 40', Add	6.97		
	For Elevated Installation >40', Add	7.67		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.18		
26 05 33 13-0277	EA 3/4" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	19.53		8.04
	For Work In Restricted Working Space, Add	4.82		
	For Elevated Installation >10' To 15', Add	1.61		
	For Elevated Installation >15' To 20', Add	3.22		
	For Elevated Installation >20' To 25', Add	4.02		
	For Elevated Installation >25' To 30', Add	5.63		
	For Elevated Installation >30' To 35', Add	6.43		
	For Elevated Installation >35' To 40', Add	8.04		
	For Elevated Installation >40', Add	8.84		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.82		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0278	EA	1" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	.....	25.24	10.19
		For Work In Restricted Working Space, Add	6.11		
		For Elevated Installation >10' To 15', Add	2.04		
		For Elevated Installation >15' To 20', Add	4.07		
		For Elevated Installation >20' To 25', Add	5.09		
		For Elevated Installation >25' To 30', Add	7.13		
		For Elevated Installation >30' To 35', Add	8.15		
		For Elevated Installation >35' To 40', Add	10.19		
		For Elevated Installation >40', Add	11.20		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.11		
26 05 33 13-0279	EA	1-1/4" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	.....	29.70	11.79
		For Work In Restricted Working Space, Add	7.08		
		For Elevated Installation >10' To 15', Add	2.36		
		For Elevated Installation >15' To 20', Add	4.72		
		For Elevated Installation >20' To 25', Add	5.90		
		For Elevated Installation >25' To 30', Add	8.26		
		For Elevated Installation >30' To 35', Add	9.44		
		For Elevated Installation >35' To 40', Add	11.80		
		For Elevated Installation >40', Add	12.97		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.08		
26 05 33 13-0280	EA	1-1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	.....	34.30	13.41
		For Work In Restricted Working Space, Add	8.04		
		For Elevated Installation >10' To 15', Add	2.68		
		For Elevated Installation >15' To 20', Add	5.36		
		For Elevated Installation >20' To 25', Add	6.70		
		For Elevated Installation >25' To 30', Add	9.38		
		For Elevated Installation >30' To 35', Add	10.72		
		For Elevated Installation >35' To 40', Add	13.41		
		For Elevated Installation >40', Add	14.75		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.04		
26 05 33 13-0281	EA	2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	.....	40.19	15.01
		For Work In Restricted Working Space, Add	9.01		
		For Elevated Installation >10' To 15', Add	3.00		
		For Elevated Installation >15' To 20', Add	6.00		
		For Elevated Installation >20' To 25', Add	7.51		
		For Elevated Installation >25' To 30', Add	10.51		
		For Elevated Installation >30' To 35', Add	12.01		
		For Elevated Installation >35' To 40', Add	15.01		
		For Elevated Installation >40', Add	16.51		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.01		
26 05 33 13-0282	EA	2-1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	.....	57.40	18.23
		For Work In Restricted Working Space, Add	10.94		
		For Elevated Installation >10' To 15', Add	3.65		
		For Elevated Installation >15' To 20', Add	7.29		
		For Elevated Installation >20' To 25', Add	9.12		
		For Elevated Installation >25' To 30', Add	12.76		
		For Elevated Installation >30' To 35', Add	14.58		
		For Elevated Installation >35' To 40', Add	18.23		
		For Elevated Installation >40', Add	20.05		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.94		
26 05 33 13-0283	EA	3" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	.....	75.41	25.20
		For Work In Restricted Working Space, Add	15.12		
		For Elevated Installation >10' To 15', Add	5.04		
		For Elevated Installation >15' To 20', Add	10.08		
		For Elevated Installation >20' To 25', Add	12.60		
		For Elevated Installation >25' To 30', Add	17.64		
		For Elevated Installation >30' To 35', Add	20.16		
		For Elevated Installation >35' To 40', Add	25.20		
		For Elevated Installation >40', Add	27.71		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.12		
26 05 33 13-0284	EA	3-1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	.....	86.50	28.41
		For Work In Restricted Working Space, Add	17.05		
		For Elevated Installation >10' To 15', Add	5.68		
		For Elevated Installation >15' To 20', Add	11.37		
		For Elevated Installation >20' To 25', Add	14.21		
		For Elevated Installation >25' To 30', Add	19.89		
		For Elevated Installation >30' To 35', Add	22.73		
		For Elevated Installation >35' To 40', Add	28.42		
		For Elevated Installation >40', Add	31.26		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.05		
26 05 33 13-0285	EA	4" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	.....	108.46	37.00
		For Work In Restricted Working Space, Add	22.19		
		For Elevated Installation >10' To 15', Add	7.40		
		For Elevated Installation >15' To 20', Add	14.80		
		For Elevated Installation >20' To 25', Add	18.50		
		For Elevated Installation >25' To 30', Add	25.89		
		For Elevated Installation >30' To 35', Add	29.59		
		For Elevated Installation >35' To 40', Add	36.99		
		For Elevated Installation >40', Add	40.69		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.19		
26 05 33 13-0286	EA	5" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	.....	168.80	50.93
		For Work In Restricted Working Space, Add	30.56		
		For Elevated Installation >10' To 15', Add	10.19		
		For Elevated Installation >15' To 20', Add	20.37		
		For Elevated Installation >20' To 25', Add	25.47		
		For Elevated Installation >25' To 30', Add	35.65		
		For Elevated Installation >30' To 35', Add	40.75		
		For Elevated Installation >35' To 40', Add	50.94		
		For Elevated Installation >40', Add	56.03		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.56		

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-0287	EA 6" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	214.10	65.30
	For Work In Restricted Working Space, Add	39.21	
	For Elevated Installation >10' To 15', Add	13.07	
	For Elevated Installation >15' To 20', Add	26.14	
	For Elevated Installation >20' To 25', Add	32.67	
	For Elevated Installation >25' To 30', Add	45.74	
	For Elevated Installation >30' To 35', Add	52.28	
	For Elevated Installation >35' To 40', Add	65.35	
	For Elevated Installation >40', Add	71.88	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	39.21	
26 05 33 13-0288	EA 1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	17.38	6.97
	For Work In Restricted Working Space, Add	4.18	
	For Elevated Installation >10' To 15', Add	1.39	
	For Elevated Installation >15' To 20', Add	2.79	
	For Elevated Installation >20' To 25', Add	3.49	
	For Elevated Installation >25' To 30', Add	4.88	
	For Elevated Installation >30' To 35', Add	5.58	
	For Elevated Installation >35' To 40', Add	6.97	
	For Elevated Installation >40', Add	7.67	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.18	
26 05 33 13-0289	EA 3/4" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	20.10	8.04
	For Work In Restricted Working Space, Add	4.82	
	For Elevated Installation >10' To 15', Add	1.61	
	For Elevated Installation >15' To 20', Add	3.22	
	For Elevated Installation >20' To 25', Add	4.02	
	For Elevated Installation >25' To 30', Add	5.63	
	For Elevated Installation >30' To 35', Add	6.43	
	For Elevated Installation >35' To 40', Add	8.04	
	For Elevated Installation >40', Add	8.84	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.82	
26 05 33 13-0290	EA 1" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	25.70	10.19
	For Work In Restricted Working Space, Add	6.11	
	For Elevated Installation >10' To 15', Add	2.04	
	For Elevated Installation >15' To 20', Add	4.07	
	For Elevated Installation >20' To 25', Add	5.09	
	For Elevated Installation >25' To 30', Add	7.13	
	For Elevated Installation >30' To 35', Add	8.15	
	For Elevated Installation >35' To 40', Add	10.19	
	For Elevated Installation >40', Add	11.20	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.11	
26 05 33 13-0291	EA 1-1/4" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	30.46	11.79
	For Work In Restricted Working Space, Add	7.08	
	For Elevated Installation >10' To 15', Add	2.36	
	For Elevated Installation >15' To 20', Add	4.72	
	For Elevated Installation >20' To 25', Add	5.90	
	For Elevated Installation >25' To 30', Add	8.26	
	For Elevated Installation >30' To 35', Add	9.44	
	For Elevated Installation >35' To 40', Add	11.80	
	For Elevated Installation >40', Add	12.97	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.08	
26 05 33 13-0292	EA 1-1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	36.02	13.41
	For Work In Restricted Working Space, Add	8.04	
	For Elevated Installation >10' To 15', Add	2.68	
	For Elevated Installation >15' To 20', Add	5.36	
	For Elevated Installation >20' To 25', Add	6.70	
	For Elevated Installation >25' To 30', Add	9.38	
	For Elevated Installation >30' To 35', Add	10.72	
	For Elevated Installation >35' To 40', Add	13.41	
	For Elevated Installation >40', Add	14.75	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.04	
26 05 33 13-0293	EA 2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	41.65	15.01
	For Work In Restricted Working Space, Add	9.01	
	For Elevated Installation >10' To 15', Add	3.00	
	For Elevated Installation >15' To 20', Add	6.00	
	For Elevated Installation >20' To 25', Add	7.51	
	For Elevated Installation >25' To 30', Add	10.51	
	For Elevated Installation >30' To 35', Add	12.01	
	For Elevated Installation >35' To 40', Add	15.01	
	For Elevated Installation >40', Add	16.51	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.01	
26 05 33 13-0294	EA 2-1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	60.23	18.23
	For Work In Restricted Working Space, Add	10.94	
	For Elevated Installation >10' To 15', Add	3.65	
	For Elevated Installation >15' To 20', Add	7.29	
	For Elevated Installation >20' To 25', Add	9.12	
	For Elevated Installation >25' To 30', Add	12.76	
	For Elevated Installation >30' To 35', Add	14.58	
	For Elevated Installation >35' To 40', Add	18.23	
	For Elevated Installation >40', Add	20.05	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.94	
26 05 33 13-0295	EA 3" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	78.96	25.20
	For Work In Restricted Working Space, Add	15.12	
	For Elevated Installation >10' To 15', Add	5.04	
	For Elevated Installation >15' To 20', Add	10.08	
	For Elevated Installation >20' To 25', Add	12.60	
	For Elevated Installation >25' To 30', Add	17.64	
	For Elevated Installation >30' To 35', Add	20.16	
	For Elevated Installation >35' To 40', Add	25.20	
	For Elevated Installation >40', Add	27.71	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0296	EA	3-1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple.....	90.74	28.41	
		For Work In Restricted Working Space, Add	17.05		
		For Elevated Installation >10' To 15', Add	5.68		
		For Elevated Installation >15' To 20', Add	11.37		
		For Elevated Installation >20' To 25', Add	14.21		
		For Elevated Installation >25' To 30', Add	19.89		
		For Elevated Installation >30' To 35', Add	22.73		
		For Elevated Installation >35' To 40', Add	28.42		
		For Elevated Installation >40', Add	31.26		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.05		
26 05 33 13-0297	EA	4" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	112.49	37.00	
		For Work In Restricted Working Space, Add	22.19		
		For Elevated Installation >10' To 15', Add	7.40		
		For Elevated Installation >15' To 20', Add	14.80		
		For Elevated Installation >20' To 25', Add	18.50		
		For Elevated Installation >25' To 30', Add	25.89		
		For Elevated Installation >30' To 35', Add	29.59		
		For Elevated Installation >35' To 40', Add	36.99		
		For Elevated Installation >40', Add	40.69		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.19		
26 05 33 13-0298	EA	5" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	174.70	50.93	
		For Work In Restricted Working Space, Add	30.56		
		For Elevated Installation >10' To 15', Add	10.19		
		For Elevated Installation >15' To 20', Add	20.37		
		For Elevated Installation >20' To 25', Add	25.47		
		For Elevated Installation >25' To 30', Add	35.65		
		For Elevated Installation >30' To 35', Add	40.75		
		For Elevated Installation >35' To 40', Add	50.94		
		For Elevated Installation >40', Add	56.03		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.56		
26 05 33 13-0299	EA	6" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	222.73	65.30	
		For Work In Restricted Working Space, Add	39.21		
		For Elevated Installation >10' To 15', Add	13.07		
		For Elevated Installation >15' To 20', Add	26.14		
		For Elevated Installation >20' To 25', Add	32.67		
		For Elevated Installation >25' To 30', Add	45.74		
		For Elevated Installation >30' To 35', Add	52.28		
		For Elevated Installation >35' To 40', Add	65.35		
		For Elevated Installation >40', Add	71.88		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	39.21		
26 05 33 13-0300	EA	1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	19.42	6.97	
		For Work In Restricted Working Space, Add	4.18		
		For Elevated Installation >10' To 15', Add	1.39		
		For Elevated Installation >15' To 20', Add	2.79		
		For Elevated Installation >20' To 25', Add	3.49		
		For Elevated Installation >25' To 30', Add	4.88		
		For Elevated Installation >30' To 35', Add	5.58		
		For Elevated Installation >35' To 40', Add	6.97		
		For Elevated Installation >40', Add	7.67		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.18		
26 05 33 13-0301	EA	3/4" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	22.72	8.04	
		For Work In Restricted Working Space, Add	4.82		
		For Elevated Installation >10' To 15', Add	1.61		
		For Elevated Installation >15' To 20', Add	3.22		
		For Elevated Installation >20' To 25', Add	4.02		
		For Elevated Installation >25' To 30', Add	5.63		
		For Elevated Installation >30' To 35', Add	6.43		
		For Elevated Installation >35' To 40', Add	8.04		
		For Elevated Installation >40', Add	8.84		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.82		
26 05 33 13-0302	EA	1" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	28.77	10.19	
		For Work In Restricted Working Space, Add	6.11		
		For Elevated Installation >10' To 15', Add	2.04		
		For Elevated Installation >15' To 20', Add	4.07		
		For Elevated Installation >20' To 25', Add	5.09		
		For Elevated Installation >25' To 30', Add	7.13		
		For Elevated Installation >30' To 35', Add	8.15		
		For Elevated Installation >35' To 40', Add	10.19		
		For Elevated Installation >40', Add	11.20		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.11		
26 05 33 13-0303	EA	1-1/4" x 8" Long, Rigid Galvanized Steel (RGS) Nipple.....	34.84	11.79	
		For Work In Restricted Working Space, Add	7.08		
		For Elevated Installation >10' To 15', Add	2.36		
		For Elevated Installation >15' To 20', Add	4.72		
		For Elevated Installation >20' To 25', Add	5.90		
		For Elevated Installation >25' To 30', Add	8.26		
		For Elevated Installation >30' To 35', Add	9.44		
		For Elevated Installation >35' To 40', Add	11.80		
		For Elevated Installation >40', Add	12.97		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.08		
26 05 33 13-0304	EA	1-1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple.....	40.90	13.41	
		For Work In Restricted Working Space, Add	8.04		
		For Elevated Installation >10' To 15', Add	2.68		
		For Elevated Installation >15' To 20', Add	5.36		
		For Elevated Installation >20' To 25', Add	6.70		
		For Elevated Installation >25' To 30', Add	9.38		
		For Elevated Installation >30' To 35', Add	10.72		
		For Elevated Installation >35' To 40', Add	13.41		
		For Elevated Installation >40', Add	14.75		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.04		

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 05 33 13-0305	EA 2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	46.79		15.01
	For Work In Restricted Working Space, Add	9.01		
	For Elevated Installation >10' To 15', Add	3.00		
	For Elevated Installation >15' To 20', Add	6.00		
	For Elevated Installation >20' To 25', Add	7.51		
	For Elevated Installation >25' To 30', Add	10.51		
	For Elevated Installation >30' To 35', Add	12.01		
	For Elevated Installation >35' To 40', Add	15.01		
	For Elevated Installation >40', Add	16.51		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.01		
26 05 33 13-0306	EA 2-1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	67.72		18.23
	For Work In Restricted Working Space, Add	10.94		
	For Elevated Installation >10' To 15', Add	3.65		
	For Elevated Installation >15' To 20', Add	7.29		
	For Elevated Installation >20' To 25', Add	9.12		
	For Elevated Installation >25' To 30', Add	12.76		
	For Elevated Installation >30' To 35', Add	14.58		
	For Elevated Installation >35' To 40', Add	18.23		
	For Elevated Installation >40', Add	20.05		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.94		
26 05 33 13-0307	EA 3" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	87.56		25.20
	For Work In Restricted Working Space, Add	15.12		
	For Elevated Installation >10' To 15', Add	5.04		
	For Elevated Installation >15' To 20', Add	10.08		
	For Elevated Installation >20' To 25', Add	12.60		
	For Elevated Installation >25' To 30', Add	17.64		
	For Elevated Installation >30' To 35', Add	20.16		
	For Elevated Installation >35' To 40', Add	25.20		
	For Elevated Installation >40', Add	27.71		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.12		
26 05 33 13-0308	EA 3-1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	99.31		28.41
	For Work In Restricted Working Space, Add	17.05		
	For Elevated Installation >10' To 15', Add	5.68		
	For Elevated Installation >15' To 20', Add	11.37		
	For Elevated Installation >20' To 25', Add	14.21		
	For Elevated Installation >25' To 30', Add	19.89		
	For Elevated Installation >30' To 35', Add	22.73		
	For Elevated Installation >35' To 40', Add	28.42		
	For Elevated Installation >40', Add	31.26		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.05		
26 05 33 13-0309	EA 4" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	121.97		37.00
	For Work In Restricted Working Space, Add	22.19		
	For Elevated Installation >10' To 15', Add	7.40		
	For Elevated Installation >15' To 20', Add	14.80		
	For Elevated Installation >20' To 25', Add	18.50		
	For Elevated Installation >25' To 30', Add	25.89		
	For Elevated Installation >30' To 35', Add	29.59		
	For Elevated Installation >35' To 40', Add	36.99		
	For Elevated Installation >40', Add	40.69		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.19		
26 05 33 13-0310	EA 5" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	188.37		50.93
	For Work In Restricted Working Space, Add	30.56		
	For Elevated Installation >10' To 15', Add	10.19		
	For Elevated Installation >15' To 20', Add	20.37		
	For Elevated Installation >20' To 25', Add	25.47		
	For Elevated Installation >25' To 30', Add	35.65		
	For Elevated Installation >30' To 35', Add	40.75		
	For Elevated Installation >35' To 40', Add	50.94		
	For Elevated Installation >40', Add	56.03		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.56		
26 05 33 13-0311	EA 6" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	238.09		65.30
	For Work In Restricted Working Space, Add	39.21		
	For Elevated Installation >10' To 15', Add	13.07		
	For Elevated Installation >15' To 20', Add	26.14		
	For Elevated Installation >20' To 25', Add	32.67		
	For Elevated Installation >25' To 30', Add	45.74		
	For Elevated Installation >30' To 35', Add	52.28		
	For Elevated Installation >35' To 40', Add	65.35		
	For Elevated Installation >40', Add	71.88		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	39.21		
26 05 33 13-0312	EA 1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	20.80		6.97
	For Work In Restricted Working Space, Add	4.18		
	For Elevated Installation >10' To 15', Add	1.39		
	For Elevated Installation >15' To 20', Add	2.79		
	For Elevated Installation >20' To 25', Add	3.49		
	For Elevated Installation >25' To 30', Add	4.88		
	For Elevated Installation >30' To 35', Add	5.58		
	For Elevated Installation >35' To 40', Add	6.97		
	For Elevated Installation >40', Add	7.67		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.18		
26 05 33 13-0313	EA 3/4" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	24.05		8.04
	For Work In Restricted Working Space, Add	4.82		
	For Elevated Installation >10' To 15', Add	1.61		
	For Elevated Installation >15' To 20', Add	3.22		
	For Elevated Installation >20' To 25', Add	4.02		
	For Elevated Installation >25' To 30', Add	5.63		
	For Elevated Installation >30' To 35', Add	6.43		
	For Elevated Installation >35' To 40', Add	8.04		
	For Elevated Installation >40', Add	8.84		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.82		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0314	EA	1" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	.....	31.22	10.19
		For Work In Restricted Working Space, Add	6.11		
		For Elevated Installation >10' To 15', Add	2.04		
		For Elevated Installation >15' To 20', Add	4.07		
		For Elevated Installation >20' To 25', Add	5.09		
		For Elevated Installation >25' To 30', Add	7.13		
		For Elevated Installation >30' To 35', Add	8.15		
		For Elevated Installation >35' To 40', Add	10.19		
		For Elevated Installation >40', Add	11.20		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.11		
26 05 33 13-0315	EA	1-1/4" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	.....	37.75	11.79
		For Work In Restricted Working Space, Add	7.08		
		For Elevated Installation >10' To 15', Add	2.36		
		For Elevated Installation >15' To 20', Add	4.72		
		For Elevated Installation >20' To 25', Add	5.90		
		For Elevated Installation >25' To 30', Add	8.26		
		For Elevated Installation >30' To 35', Add	9.44		
		For Elevated Installation >35' To 40', Add	11.80		
		For Elevated Installation >40', Add	12.97		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.08		
26 05 33 13-0316	EA	1-1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	.....	43.76	13.41
		For Work In Restricted Working Space, Add	8.04		
		For Elevated Installation >10' To 15', Add	2.68		
		For Elevated Installation >15' To 20', Add	5.36		
		For Elevated Installation >20' To 25', Add	6.70		
		For Elevated Installation >25' To 30', Add	9.38		
		For Elevated Installation >30' To 35', Add	10.72		
		For Elevated Installation >35' To 40', Add	13.41		
		For Elevated Installation >40', Add	14.75		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.04		
26 05 33 13-0317	EA	2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	.....	50.11	15.01
		For Work In Restricted Working Space, Add	9.01		
		For Elevated Installation >10' To 15', Add	3.00		
		For Elevated Installation >15' To 20', Add	6.00		
		For Elevated Installation >20' To 25', Add	7.51		
		For Elevated Installation >25' To 30', Add	10.51		
		For Elevated Installation >30' To 35', Add	12.01		
		For Elevated Installation >35' To 40', Add	15.01		
		For Elevated Installation >40', Add	16.51		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.01		
26 05 33 13-0318	EA	2-1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	.....	72.76	18.23
		For Work In Restricted Working Space, Add	10.94		
		For Elevated Installation >10' To 15', Add	3.65		
		For Elevated Installation >15' To 20', Add	7.29		
		For Elevated Installation >20' To 25', Add	9.12		
		For Elevated Installation >25' To 30', Add	12.76		
		For Elevated Installation >30' To 35', Add	14.58		
		For Elevated Installation >35' To 40', Add	18.23		
		For Elevated Installation >40', Add	20.05		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.94		
26 05 33 13-0319	EA	3" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	.....	94.32	25.20
		For Work In Restricted Working Space, Add	15.12		
		For Elevated Installation >10' To 15', Add	5.04		
		For Elevated Installation >15' To 20', Add	10.08		
		For Elevated Installation >20' To 25', Add	12.60		
		For Elevated Installation >25' To 30', Add	17.64		
		For Elevated Installation >30' To 35', Add	20.16		
		For Elevated Installation >35' To 40', Add	25.20		
		For Elevated Installation >40', Add	27.71		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.12		
26 05 33 13-0320	EA	3-1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	.....	108.22	28.41
		For Work In Restricted Working Space, Add	17.05		
		For Elevated Installation >10' To 15', Add	5.68		
		For Elevated Installation >15' To 20', Add	11.37		
		For Elevated Installation >20' To 25', Add	14.21		
		For Elevated Installation >25' To 30', Add	19.89		
		For Elevated Installation >30' To 35', Add	22.73		
		For Elevated Installation >35' To 40', Add	28.42		
		For Elevated Installation >40', Add	31.26		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.05		
26 05 33 13-0321	EA	4" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	.....	133.25	37.00
		For Work In Restricted Working Space, Add	22.19		
		For Elevated Installation >10' To 15', Add	7.40		
		For Elevated Installation >15' To 20', Add	14.80		
		For Elevated Installation >20' To 25', Add	18.50		
		For Elevated Installation >25' To 30', Add	25.89		
		For Elevated Installation >30' To 35', Add	29.59		
		For Elevated Installation >35' To 40', Add	36.99		
		For Elevated Installation >40', Add	40.69		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.19		
26 05 33 13-0322	EA	5" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	.....	203.28	50.93
		For Work In Restricted Working Space, Add	30.56		
		For Elevated Installation >10' To 15', Add	10.19		
		For Elevated Installation >15' To 20', Add	20.37		
		For Elevated Installation >20' To 25', Add	25.47		
		For Elevated Installation >25' To 30', Add	35.65		
		For Elevated Installation >30' To 35', Add	40.75		
		For Elevated Installation >35' To 40', Add	50.94		
		For Elevated Installation >40', Add	56.03		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.56		

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-0323	EA 6" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	264.92	65.30
	For Work In Restricted Working Space, Add	39.21	
	For Elevated Installation >10' To 15', Add	13.07	
	For Elevated Installation >15' To 20', Add	26.14	
	For Elevated Installation >20' To 25', Add	32.67	
	For Elevated Installation >25' To 30', Add	45.74	
	For Elevated Installation >30' To 35', Add	52.28	
	For Elevated Installation >35' To 40', Add	65.35	
	For Elevated Installation >40', Add	71.88	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	39.21	
26 05 33 13-0324	EA 1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	21.85	6.97
	For Work In Restricted Working Space, Add	4.18	
	For Elevated Installation >10' To 15', Add	1.39	
	For Elevated Installation >15' To 20', Add	2.79	
	For Elevated Installation >20' To 25', Add	3.49	
	For Elevated Installation >25' To 30', Add	4.88	
	For Elevated Installation >30' To 35', Add	5.58	
	For Elevated Installation >35' To 40', Add	6.97	
	For Elevated Installation >40', Add	7.67	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.18	
26 05 33 13-0325	EA 3/4" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	25.03	8.04
	For Work In Restricted Working Space, Add	4.82	
	For Elevated Installation >10' To 15', Add	1.61	
	For Elevated Installation >15' To 20', Add	3.22	
	For Elevated Installation >20' To 25', Add	4.02	
	For Elevated Installation >25' To 30', Add	5.63	
	For Elevated Installation >30' To 35', Add	6.43	
	For Elevated Installation >35' To 40', Add	8.04	
	For Elevated Installation >40', Add	8.84	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.82	
26 05 33 13-0326	EA 1" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	32.68	10.19
	For Work In Restricted Working Space, Add	6.11	
	For Elevated Installation >10' To 15', Add	2.04	
	For Elevated Installation >15' To 20', Add	4.07	
	For Elevated Installation >20' To 25', Add	5.09	
	For Elevated Installation >25' To 30', Add	7.13	
	For Elevated Installation >30' To 35', Add	8.15	
	For Elevated Installation >35' To 40', Add	10.19	
	For Elevated Installation >40', Add	11.20	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.11	
26 05 33 13-0327	EA 1-1/4" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	40.07	11.79
	For Work In Restricted Working Space, Add	7.08	
	For Elevated Installation >10' To 15', Add	2.36	
	For Elevated Installation >15' To 20', Add	4.72	
	For Elevated Installation >20' To 25', Add	5.90	
	For Elevated Installation >25' To 30', Add	8.26	
	For Elevated Installation >30' To 35', Add	9.44	
	For Elevated Installation >35' To 40', Add	11.80	
	For Elevated Installation >40', Add	12.97	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.08	
26 05 33 13-0328	EA 1-1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	45.20	13.41
	For Work In Restricted Working Space, Add	8.04	
	For Elevated Installation >10' To 15', Add	2.68	
	For Elevated Installation >15' To 20', Add	5.36	
	For Elevated Installation >20' To 25', Add	6.70	
	For Elevated Installation >25' To 30', Add	9.38	
	For Elevated Installation >30' To 35', Add	10.72	
	For Elevated Installation >35' To 40', Add	13.41	
	For Elevated Installation >40', Add	14.75	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.04	
26 05 33 13-0329	EA 2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	52.89	15.01
	For Work In Restricted Working Space, Add	9.01	
	For Elevated Installation >10' To 15', Add	3.00	
	For Elevated Installation >15' To 20', Add	6.00	
	For Elevated Installation >20' To 25', Add	7.51	
	For Elevated Installation >25' To 30', Add	10.51	
	For Elevated Installation >30' To 35', Add	12.01	
	For Elevated Installation >35' To 40', Add	15.01	
	For Elevated Installation >40', Add	16.51	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.01	
26 05 33 13-0330	EA 2-1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	78.68	18.23
	For Work In Restricted Working Space, Add	10.94	
	For Elevated Installation >10' To 15', Add	3.65	
	For Elevated Installation >15' To 20', Add	7.29	
	For Elevated Installation >20' To 25', Add	9.12	
	For Elevated Installation >25' To 30', Add	12.76	
	For Elevated Installation >30' To 35', Add	14.58	
	For Elevated Installation >35' To 40', Add	18.23	
	For Elevated Installation >40', Add	20.05	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.94	
26 05 33 13-0331	EA 3" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	103.73	25.20
	For Work In Restricted Working Space, Add	15.12	
	For Elevated Installation >10' To 15', Add	5.04	
	For Elevated Installation >15' To 20', Add	10.08	
	For Elevated Installation >20' To 25', Add	12.60	
	For Elevated Installation >25' To 30', Add	17.64	
	For Elevated Installation >30' To 35', Add	20.16	
	For Elevated Installation >35' To 40', Add	25.20	
	For Elevated Installation >40', Add	27.71	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0332	EA	3-1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	.....	116.89	28.41
		For Work In Restricted Working Space, Add	.....	17.05	
		For Elevated Installation >10' To 15', Add	.....	5.68	
		For Elevated Installation >15' To 20', Add	.....	11.37	
		For Elevated Installation >20' To 25', Add	.....	14.21	
		For Elevated Installation >25' To 30', Add	.....	19.89	
		For Elevated Installation >30' To 35', Add	.....	22.73	
		For Elevated Installation >35' To 40', Add	.....	28.42	
		For Elevated Installation >40', Add	.....	31.26	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	.....	17.05	
26 05 33 13-0333	EA	4" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	.....	144.54	37.00
		For Work In Restricted Working Space, Add	.....	22.19	
		For Elevated Installation >10' To 15', Add	.....	7.40	
		For Elevated Installation >15' To 20', Add	.....	14.80	
		For Elevated Installation >20' To 25', Add	.....	18.50	
		For Elevated Installation >25' To 30', Add	.....	25.89	
		For Elevated Installation >30' To 35', Add	.....	29.59	
		For Elevated Installation >35' To 40', Add	.....	36.99	
		For Elevated Installation >40', Add	.....	40.69	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	.....	22.19	
26 05 33 13-0334	EA	5" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	.....	224.71	50.93
		For Work In Restricted Working Space, Add	.....	30.56	
		For Elevated Installation >10' To 15', Add	.....	10.19	
		For Elevated Installation >15' To 20', Add	.....	20.37	
		For Elevated Installation >20' To 25', Add	.....	25.47	
		For Elevated Installation >25' To 30', Add	.....	35.65	
		For Elevated Installation >30' To 35', Add	.....	40.75	
		For Elevated Installation >35' To 40', Add	.....	50.94	
		For Elevated Installation >40', Add	.....	56.03	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	.....	30.56	
26 05 33 13-0335	EA	6" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	.....	279.83	65.30
		For Work In Restricted Working Space, Add	.....	39.21	
		For Elevated Installation >10' To 15', Add	.....	13.07	
		For Elevated Installation >15' To 20', Add	.....	26.14	
		For Elevated Installation >20' To 25', Add	.....	32.67	
		For Elevated Installation >25' To 30', Add	.....	45.74	
		For Elevated Installation >30' To 35', Add	.....	52.28	
		For Elevated Installation >35' To 40', Add	.....	65.35	
		For Elevated Installation >40', Add	.....	71.88	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	.....	39.21	
26 05 33 13-0336		Rigid Galvanized Steel (RGS) Off-Set Nipples (26 05 33 13-0060)			
26 05 33 13-0337	EA	1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple	.....	16.26	5.57
		For Work In Restricted Working Space, Add	.....	4.22	
		For Elevated Installation >10' To 15', Add	.....	1.41	
		For Elevated Installation >15' To 20', Add	.....	2.81	
		For Elevated Installation >20' To 25', Add	.....	3.51	
		For Elevated Installation >25' To 30', Add	.....	4.92	
		For Elevated Installation >30' To 35', Add	.....	5.62	
		For Elevated Installation >35' To 40', Add	.....	7.03	
		For Elevated Installation >40', Add	.....	7.73	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	.....	4.22	
26 05 33 13-0338	EA	3/4" Rigid Galvanized Steel (RGS) Off-Set Nipple	.....	19.36	6.44
		For Work In Restricted Working Space, Add	.....	4.80	
		For Elevated Installation >10' To 15', Add	.....	1.60	
		For Elevated Installation >15' To 20', Add	.....	3.20	
		For Elevated Installation >20' To 25', Add	.....	4.00	
		For Elevated Installation >25' To 30', Add	.....	5.60	
		For Elevated Installation >30' To 35', Add	.....	6.40	
		For Elevated Installation >35' To 40', Add	.....	8.00	
		For Elevated Installation >40', Add	.....	8.79	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	.....	4.80	
26 05 33 13-0339	EA	1" Rigid Galvanized Steel (RGS) Off-Set Nipple	.....	24.30	8.15
		For Work In Restricted Working Space, Add	.....	6.14	
		For Elevated Installation >10' To 15', Add	.....	2.05	
		For Elevated Installation >15' To 20', Add	.....	4.09	
		For Elevated Installation >20' To 25', Add	.....	5.11	
		For Elevated Installation >25' To 30', Add	.....	7.16	
		For Elevated Installation >30' To 35', Add	.....	8.18	
		For Elevated Installation >35' To 40', Add	.....	10.23	
		For Elevated Installation >40', Add	.....	11.25	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	.....	6.14	
26 05 33 13-0340	EA	1-1/4" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	.....	30.73	9.76
		For Work In Restricted Working Space, Add	.....	7.35	
		For Elevated Installation >10' To 15', Add	.....	2.45	
		For Elevated Installation >15' To 20', Add	.....	4.90	
		For Elevated Installation >20' To 25', Add	.....	6.13	
		For Elevated Installation >25' To 30', Add	.....	8.58	
		For Elevated Installation >30' To 35', Add	.....	9.80	
		For Elevated Installation >35' To 40', Add	.....	12.26	
		For Elevated Installation >40', Add	.....	13.48	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	.....	7.35	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 13-0341	EA	1-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	33.66	10.72
		For Work In Restricted Working Space, Add	8.05	
		For Elevated Installation >10' To 15', Add	2.68	
		For Elevated Installation >15' To 20', Add	5.37	
		For Elevated Installation >20' To 25', Add	6.71	
		For Elevated Installation >25' To 30', Add	9.39	
		For Elevated Installation >30' To 35', Add	10.73	
		For Elevated Installation >35' To 40', Add	13.42	
		For Elevated Installation >40', Add	14.76	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.05	
26 05 33 13-0342	EA	2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	43.89	13.18
		For Work In Restricted Working Space, Add	9.92	
		For Elevated Installation >10' To 15', Add	3.31	
		For Elevated Installation >15' To 20', Add	6.61	
		For Elevated Installation >20' To 25', Add	8.26	
		For Elevated Installation >25' To 30', Add	11.57	
		For Elevated Installation >30' To 35', Add	13.22	
		For Elevated Installation >35' To 40', Add	16.53	
		For Elevated Installation >40', Add	18.18	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.92	
26 05 33 13-0343	EA	2-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	71.68	21.45
		For Work In Restricted Working Space, Add	16.08	
		For Elevated Installation >10' To 15', Add	5.36	
		For Elevated Installation >15' To 20', Add	10.72	
		For Elevated Installation >20' To 25', Add	13.40	
		For Elevated Installation >25' To 30', Add	18.76	
		For Elevated Installation >30' To 35', Add	21.44	
		For Elevated Installation >35' To 40', Add	26.81	
		For Elevated Installation >40', Add	29.49	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.08	
26 05 33 13-0344	EA	3" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	115.02	29.60
		For Work In Restricted Working Space, Add	22.19	
		For Elevated Installation >10' To 15', Add	7.40	
		For Elevated Installation >15' To 20', Add	14.80	
		For Elevated Installation >20' To 25', Add	18.50	
		For Elevated Installation >25' To 30', Add	25.89	
		For Elevated Installation >30' To 35', Add	29.59	
		For Elevated Installation >35' To 40', Add	36.99	
		For Elevated Installation >40', Add	40.69	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.19	
26 05 33 13-0345	EA	3-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	142.32	34.96
		For Work In Restricted Working Space, Add	26.07	
		For Elevated Installation >10' To 15', Add	8.69	
		For Elevated Installation >15' To 20', Add	17.38	
		For Elevated Installation >20' To 25', Add	21.73	
		For Elevated Installation >25' To 30', Add	30.42	
		For Elevated Installation >30' To 35', Add	34.76	
		For Elevated Installation >35' To 40', Add	43.46	
		For Elevated Installation >40', Add	47.80	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.07	
26 05 33 13-0346	EA	4" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	170.52	40.32
		For Work In Restricted Working Space, Add	30.24	
		For Elevated Installation >10' To 15', Add	10.08	
		For Elevated Installation >15' To 20', Add	20.16	
		For Elevated Installation >20' To 25', Add	25.20	
		For Elevated Installation >25' To 30', Add	35.28	
		For Elevated Installation >30' To 35', Add	40.32	
		For Elevated Installation >35' To 40', Add	50.41	
		For Elevated Installation >40', Add	55.45	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.24	
26 05 33 13-0347		Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (26 05 33 13-0060)		
		Note: Erickson fittings.		
26 05 33 13-0348	EA	1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	45.71	17.15
		For Work In Restricted Working Space, Add	12.88	
		For Elevated Installation >10' To 15', Add	4.29	
		For Elevated Installation >15' To 20', Add	8.59	
		For Elevated Installation >20' To 25', Add	10.74	
		For Elevated Installation >25' To 30', Add	15.03	
		For Elevated Installation >30' To 35', Add	17.18	
		For Elevated Installation >35' To 40', Add	21.47	
		For Elevated Installation >40', Add	23.62	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.88	
26 05 33 13-0349	EA	3/4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	51.48	19.19
		For Work In Restricted Working Space, Add	14.38	
		For Elevated Installation >10' To 15', Add	4.79	
		For Elevated Installation >15' To 20', Add	9.59	
		For Elevated Installation >20' To 25', Add	11.98	
		For Elevated Installation >25' To 30', Add	16.78	
		For Elevated Installation >30' To 35', Add	19.17	
		For Elevated Installation >35' To 40', Add	23.97	
		For Elevated Installation >40', Add	26.36	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.38	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0350	EA	1"	Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson) .....59.94		21.34
			For Work In Restricted Working Space, Add	16.02	
			For Elevated Installation >10' To 15', Add	5.34	
			For Elevated Installation >15' To 20', Add	10.68	
			For Elevated Installation >20' To 25', Add	13.35	
			For Elevated Installation >25' To 30', Add	18.69	
			For Elevated Installation >30' To 35', Add	21.36	
			For Elevated Installation >35' To 40', Add	26.70	
			For Elevated Installation >40', Add	29.36	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.02	
26 05 33 13-0351	EA	1-1/4"	Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson) .....72.40		23.38
			For Work In Restricted Working Space, Add	17.53	
			For Elevated Installation >10' To 15', Add	5.84	
			For Elevated Installation >15' To 20', Add	11.68	
			For Elevated Installation >20' To 25', Add	14.61	
			For Elevated Installation >25' To 30', Add	20.45	
			For Elevated Installation >30' To 35', Add	23.37	
			For Elevated Installation >35' To 40', Add	29.21	
			For Elevated Installation >40', Add	32.13	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.53	
26 05 33 13-0352	EA	1-1/2"	Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson) .....80.67		25.52
			For Work In Restricted Working Space, Add	19.18	
			For Elevated Installation >10' To 15', Add	6.39	
			For Elevated Installation >15' To 20', Add	12.78	
			For Elevated Installation >20' To 25', Add	15.98	
			For Elevated Installation >25' To 30', Add	22.37	
			For Elevated Installation >30' To 35', Add	25.57	
			For Elevated Installation >35' To 40', Add	31.96	
			For Elevated Installation >40', Add	35.16	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.18	
26 05 33 13-0353	EA	2"	Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson) .....102.77		27.66
			For Work In Restricted Working Space, Add	20.77	
			For Elevated Installation >10' To 15', Add	6.92	
			For Elevated Installation >15' To 20', Add	13.84	
			For Elevated Installation >20' To 25', Add	17.31	
			For Elevated Installation >25' To 30', Add	24.23	
			For Elevated Installation >30' To 35', Add	27.69	
			For Elevated Installation >35' To 40', Add	34.61	
			For Elevated Installation >40', Add	38.07	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.77	
26 05 33 13-0354	EA	2-1/2"	Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson) .....163.49		34.31
			For Work In Restricted Working Space, Add	25.73	
			For Elevated Installation >10' To 15', Add	8.58	
			For Elevated Installation >15' To 20', Add	17.16	
			For Elevated Installation >20' To 25', Add	21.45	
			For Elevated Installation >25' To 30', Add	30.02	
			For Elevated Installation >30' To 35', Add	34.31	
			For Elevated Installation >35' To 40', Add	42.89	
			For Elevated Installation >40', Add	47.18	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.73	
26 05 33 13-0355	EA	3"	Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson) .....225.18		42.89
			For Work In Restricted Working Space, Add	32.17	
			For Elevated Installation >10' To 15', Add	10.72	
			For Elevated Installation >15' To 20', Add	21.45	
			For Elevated Installation >20' To 25', Add	26.81	
			For Elevated Installation >25' To 30', Add	37.53	
			For Elevated Installation >30' To 35', Add	42.89	
			For Elevated Installation >35' To 40', Add	53.62	
			For Elevated Installation >40', Add	58.98	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.17	
26 05 33 13-0356	EA	3-1/2"	Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson) .....325.18		51.48
			For Work In Restricted Working Space, Add	38.62	
			For Elevated Installation >10' To 15', Add	12.87	
			For Elevated Installation >15' To 20', Add	25.74	
			For Elevated Installation >20' To 25', Add	32.18	
			For Elevated Installation >25' To 30', Add	45.05	
			For Elevated Installation >30' To 35', Add	51.49	
			For Elevated Installation >35' To 40', Add	64.36	
			For Elevated Installation >40', Add	70.80	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.62	
26 05 33 13-0357	EA	4"	Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson) .....370.42		55.76
			For Work In Restricted Working Space, Add	41.82	
			For Elevated Installation >10' To 15', Add	13.94	
			For Elevated Installation >15' To 20', Add	27.88	
			For Elevated Installation >20' To 25', Add	34.85	
			For Elevated Installation >25' To 30', Add	48.79	
			For Elevated Installation >30' To 35', Add	55.76	
			For Elevated Installation >35' To 40', Add	69.70	
			For Elevated Installation >40', Add	76.66	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	41.82	
26 05 33 13-0358	EA	5"	Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson) .....645.71		68.63
			For Work In Restricted Working Space, Add	51.47	
			For Elevated Installation >10' To 15', Add	17.16	
			For Elevated Installation >15' To 20', Add	34.31	
			For Elevated Installation >20' To 25', Add	42.89	
			For Elevated Installation >25' To 30', Add	60.04	
			For Elevated Installation >30' To 35', Add	68.62	
			For Elevated Installation >35' To 40', Add	85.78	
			For Elevated Installation >40', Add	94.35	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	51.47	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-0359	EA	6" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	830.37	79.35
		<i>For Work In Restricted Working Space, Add</i>	59.51	
		<i>For Elevated Installation >10' To 15', Add</i>	19.84	
		<i>For Elevated Installation >15' To 20', Add</i>	39.67	
		<i>For Elevated Installation >20' To 25', Add</i>	49.59	
		<i>For Elevated Installation >25' To 30', Add</i>	69.42	
		<i>For Elevated Installation >30' To 35', Add</i>	79.34	
		<i>For Elevated Installation >35' To 40', Add</i>	99.18	
		<i>For Elevated Installation >40', Add</i>	109.09	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	59.51	

26 05 33 13-0360 Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connectors
(26 05 33 13-0060)

26 05 33 13-0361	EA	1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	27.37	8.58
		<i>For Work In Restricted Working Space, Add</i>	6.44	
		<i>For Elevated Installation >10' To 15', Add</i>	2.15	
		<i>For Elevated Installation >15' To 20', Add</i>	4.29	
		<i>For Elevated Installation >20' To 25', Add</i>	5.36	
		<i>For Elevated Installation >25' To 30', Add</i>	7.51	
		<i>For Elevated Installation >30' To 35', Add</i>	8.58	
		<i>For Elevated Installation >35' To 40', Add</i>	10.73	
		<i>For Elevated Installation >40', Add</i>	11.80	
26 05 33 13-0362	EA	3/4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	30.59	9.43
		<i>For Work In Restricted Working Space, Add</i>	7.08	
		<i>For Elevated Installation >10' To 15', Add</i>	2.36	
		<i>For Elevated Installation >15' To 20', Add</i>	4.72	
		<i>For Elevated Installation >20' To 25', Add</i>	5.90	
		<i>For Elevated Installation >25' To 30', Add</i>	8.26	
		<i>For Elevated Installation >30' To 35', Add</i>	9.44	
		<i>For Elevated Installation >35' To 40', Add</i>	11.80	
		<i>For Elevated Installation >40', Add</i>	12.97	
26 05 33 13-0363	EA	1" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	35.15	10.72
		<i>For Work In Restricted Working Space, Add</i>	8.04	
		<i>For Elevated Installation >10' To 15', Add</i>	2.68	
		<i>For Elevated Installation >15' To 20', Add</i>	5.36	
		<i>For Elevated Installation >20' To 25', Add</i>	6.70	
		<i>For Elevated Installation >25' To 30', Add</i>	9.38	
		<i>For Elevated Installation >30' To 35', Add</i>	10.72	
		<i>For Elevated Installation >35' To 40', Add</i>	13.41	
		<i>For Elevated Installation >40', Add</i>	14.75	
26 05 33 13-0364	EA	1-1/4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	39.95	11.58
		<i>For Work In Restricted Working Space, Add</i>	8.69	
		<i>For Elevated Installation >10' To 15', Add</i>	2.90	
		<i>For Elevated Installation >15' To 20', Add</i>	5.79	
		<i>For Elevated Installation >20' To 25', Add</i>	7.24	
		<i>For Elevated Installation >25' To 30', Add</i>	10.13	
		<i>For Elevated Installation >30' To 35', Add</i>	11.58	
		<i>For Elevated Installation >35' To 40', Add</i>	14.48	
		<i>For Elevated Installation >40', Add</i>	15.92	
26 05 33 13-0365	EA	1-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	47.51	12.86
		<i>For Work In Restricted Working Space, Add</i>	9.65	
		<i>For Elevated Installation >10' To 15', Add</i>	3.22	
		<i>For Elevated Installation >15' To 20', Add</i>	6.43	
		<i>For Elevated Installation >20' To 25', Add</i>	8.04	
		<i>For Elevated Installation >25' To 30', Add</i>	11.26	
		<i>For Elevated Installation >30' To 35', Add</i>	12.87	
		<i>For Elevated Installation >35' To 40', Add</i>	16.09	
		<i>For Elevated Installation >40', Add</i>	17.69	
26 05 33 13-0366	EA	2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	58.06	14.16
		<i>For Work In Restricted Working Space, Add</i>	10.62	
		<i>For Elevated Installation >10' To 15', Add</i>	3.54	
		<i>For Elevated Installation >15' To 20', Add</i>	7.08	
		<i>For Elevated Installation >20' To 25', Add</i>	8.85	
		<i>For Elevated Installation >25' To 30', Add</i>	12.39	
		<i>For Elevated Installation >30' To 35', Add</i>	14.16	
		<i>For Elevated Installation >35' To 40', Add</i>	17.70	
		<i>For Elevated Installation >40', Add</i>	19.46	
26 05 33 13-0367	EA	2-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	79.24	17.15
		<i>For Work In Restricted Working Space, Add</i>	12.87	
		<i>For Elevated Installation >10' To 15', Add</i>	4.29	
		<i>For Elevated Installation >15' To 20', Add</i>	8.58	
		<i>For Elevated Installation >20' To 25', Add</i>	10.72	
		<i>For Elevated Installation >25' To 30', Add</i>	15.01	
		<i>For Elevated Installation >30' To 35', Add</i>	17.16	
		<i>For Elevated Installation >35' To 40', Add</i>	21.45	
		<i>For Elevated Installation >40', Add</i>	23.59	
26 05 33 13-0368	EA	3" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	97.96	21.45
		<i>For Work In Restricted Working Space, Add</i>	16.08	
		<i>For Elevated Installation >10' To 15', Add</i>	5.36	
		<i>For Elevated Installation >15' To 20', Add</i>	10.72	
		<i>For Elevated Installation >20' To 25', Add</i>	13.40	
		<i>For Elevated Installation >25' To 30', Add</i>	18.76	
		<i>For Elevated Installation >30' To 35', Add</i>	21.44	
		<i>For Elevated Installation >35' To 40', Add</i>	26.81	
		<i>For Elevated Installation >40', Add</i>	29.49	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0369	EA		3-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector.....	117.69	25.74
			For Work In Restricted Working Space, Add	19.30	
			For Elevated Installation >10' To 15', Add	6.43	
			For Elevated Installation >15' To 20', Add	12.87	
			For Elevated Installation >20' To 25', Add	16.09	
			For Elevated Installation >25' To 30', Add	22.52	
			For Elevated Installation >30' To 35', Add	25.74	
			For Elevated Installation >35' To 40', Add	32.17	
			For Elevated Installation >40', Add	35.39	
26 05 33 13-0370	EA		4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector.....	133.05	27.88
			For Work In Restricted Working Space, Add	20.91	
			For Elevated Installation >10' To 15', Add	6.97	
			For Elevated Installation >15' To 20', Add	13.94	
			For Elevated Installation >20' To 25', Add	17.43	
			For Elevated Installation >25' To 30', Add	24.40	
			For Elevated Installation >30' To 35', Add	27.88	
			For Elevated Installation >35' To 40', Add	34.85	
			For Elevated Installation >40', Add	38.34	
26 05 33 13-0371 Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs (26 05 33 13-0060)					
26 05 33 13-0372	EA		1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs.....	24.18	9.66
			For Work In Restricted Working Space, Add	5.79	
			For Elevated Installation >10' To 15', Add	1.93	
			For Elevated Installation >15' To 20', Add	3.86	
			For Elevated Installation >20' To 25', Add	4.83	
			For Elevated Installation >25' To 30', Add	6.76	
			For Elevated Installation >30' To 35', Add	7.72	
			For Elevated Installation >35' To 40', Add	9.65	
			For Elevated Installation >40', Add	10.62	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.79	
26 05 33 13-0373	EA		3/4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs.....	26.96	10.72
			For Work In Restricted Working Space, Add	6.44	
			For Elevated Installation >10' To 15', Add	2.15	
			For Elevated Installation >15' To 20', Add	4.29	
			For Elevated Installation >20' To 25', Add	5.36	
			For Elevated Installation >25' To 30', Add	7.51	
			For Elevated Installation >30' To 35', Add	8.58	
			For Elevated Installation >35' To 40', Add	10.73	
			For Elevated Installation >40', Add	11.80	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.44	
26 05 33 13-0374	EA		1" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs.....	33.27	13.41
			For Work In Restricted Working Space, Add	8.04	
			For Elevated Installation >10' To 15', Add	2.68	
			For Elevated Installation >15' To 20', Add	5.36	
			For Elevated Installation >20' To 25', Add	6.70	
			For Elevated Installation >25' To 30', Add	9.38	
			For Elevated Installation >30' To 35', Add	10.72	
			For Elevated Installation >35' To 40', Add	13.41	
			For Elevated Installation >40', Add	14.75	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.04	
26 05 33 13-0375	EA		1-1/4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs.....	40.94	16.08
			For Work In Restricted Working Space, Add	9.65	
			For Elevated Installation >10' To 15', Add	3.22	
			For Elevated Installation >15' To 20', Add	6.43	
			For Elevated Installation >20' To 25', Add	8.04	
			For Elevated Installation >25' To 30', Add	11.26	
			For Elevated Installation >30' To 35', Add	12.86	
			For Elevated Installation >35' To 40', Add	16.08	
			For Elevated Installation >40', Add	17.69	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.65	
26 05 33 13-0376	EA		1-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs.....	52.54	21.45
			For Work In Restricted Working Space, Add	12.87	
			For Elevated Installation >10' To 15', Add	4.29	
			For Elevated Installation >15' To 20', Add	8.58	
			For Elevated Installation >20' To 25', Add	10.72	
			For Elevated Installation >25' To 30', Add	15.01	
			For Elevated Installation >30' To 35', Add	17.16	
			For Elevated Installation >35' To 40', Add	21.45	
			For Elevated Installation >40', Add	23.59	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.87	
26 05 33 13-0377	EA		2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs.....	61.15	24.12
			For Work In Restricted Working Space, Add	14.48	
			For Elevated Installation >10' To 15', Add	4.83	
			For Elevated Installation >15' To 20', Add	9.65	
			For Elevated Installation >20' To 25', Add	12.07	
			For Elevated Installation >25' To 30', Add	16.89	
			For Elevated Installation >30' To 35', Add	19.30	
			For Elevated Installation >35' To 40', Add	24.13	
			For Elevated Installation >40', Add	26.54	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.48	
26 05 33 13-0378	EA		2-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs.....	75.50	26.81
			For Work In Restricted Working Space, Add	16.08	
			For Elevated Installation >10' To 15', Add	5.36	
			For Elevated Installation >15' To 20', Add	10.72	
			For Elevated Installation >20' To 25', Add	13.40	
			For Elevated Installation >25' To 30', Add	18.76	
			For Elevated Installation >30' To 35', Add	21.44	
			For Elevated Installation >35' To 40', Add	26.81	
			For Elevated Installation >40', Add	29.49	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.08	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-0379	EA	3" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	101.88	33.78
		For Work In Restricted Working Space, Add	20.27	
		For Elevated Installation >10' To 15', Add	6.76	
		For Elevated Installation >15' To 20', Add	13.51	
		For Elevated Installation >20' To 25', Add	16.89	
		For Elevated Installation >25' To 30', Add	23.65	
		For Elevated Installation >30' To 35', Add	27.02	
		For Elevated Installation >35' To 40', Add	33.78	
		For Elevated Installation >40', Add	37.16	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.27	
26 05 33 13-0380	EA	3-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	120.89	40.75
		For Work In Restricted Working Space, Add	24.45	
		For Elevated Installation >10' To 15', Add	8.15	
		For Elevated Installation >15' To 20', Add	16.30	
		For Elevated Installation >20' To 25', Add	20.37	
		For Elevated Installation >25' To 30', Add	28.52	
		For Elevated Installation >30' To 35', Add	32.60	
		For Elevated Installation >35' To 40', Add	40.75	
		For Elevated Installation >40', Add	44.82	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.45	
26 05 33 13-0381	EA	4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	148.45	48.26
		For Work In Restricted Working Space, Add	28.95	
		For Elevated Installation >10' To 15', Add	9.65	
		For Elevated Installation >15' To 20', Add	19.30	
		For Elevated Installation >20' To 25', Add	24.13	
		For Elevated Installation >25' To 30', Add	33.78	
		For Elevated Installation >30' To 35', Add	38.60	
		For Elevated Installation >35' To 40', Add	48.25	
		For Elevated Installation >40', Add	53.08	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.95	
26 05 33 13-0382 Rigid Galvanized Steel (RGS) Expansion Fittings, 4" Conduit Movement ^(26 05 33 13-0060)				
Note: Type AX				
26 05 33 13-0383	EA	1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	107.46	17.15
		For Work In Restricted Working Space, Add	12.87	
		For Elevated Installation >10' To 15', Add	4.29	
		For Elevated Installation >15' To 20', Add	8.58	
		For Elevated Installation >20' To 25', Add	10.73	
		For Elevated Installation >25' To 30', Add	15.02	
		For Elevated Installation >30' To 35', Add	17.16	
		For Elevated Installation >35' To 40', Add	21.45	
		For Elevated Installation >40', Add	23.60	
26 05 33 13-0384	EA	3/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	121.96	19.30
		For Work In Restricted Working Space, Add	14.48	
		For Elevated Installation >10' To 15', Add	4.83	
		For Elevated Installation >15' To 20', Add	9.65	
		For Elevated Installation >20' To 25', Add	12.07	
		For Elevated Installation >25' To 30', Add	16.89	
		For Elevated Installation >30' To 35', Add	19.30	
		For Elevated Installation >35' To 40', Add	24.13	
		For Elevated Installation >40', Add	26.54	
26 05 33 13-0385	EA	1" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	144.29	21.45
		For Work In Restricted Working Space, Add	16.09	
		For Elevated Installation >10' To 15', Add	5.36	
		For Elevated Installation >15' To 20', Add	10.72	
		For Elevated Installation >20' To 25', Add	13.41	
		For Elevated Installation >25' To 30', Add	18.77	
		For Elevated Installation >30' To 35', Add	21.45	
		For Elevated Installation >35' To 40', Add	26.81	
		For Elevated Installation >40', Add	29.49	
26 05 33 13-0386	EA	1-1/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	176.42	23.59
		For Work In Restricted Working Space, Add	17.69	
		For Elevated Installation >10' To 15', Add	5.90	
		For Elevated Installation >15' To 20', Add	11.80	
		For Elevated Installation >20' To 25', Add	14.75	
		For Elevated Installation >25' To 30', Add	20.64	
		For Elevated Installation >30' To 35', Add	23.59	
		For Elevated Installation >35' To 40', Add	29.49	
		For Elevated Installation >40', Add	32.44	
26 05 33 13-0387	EA	1-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	221.29	25.74
		For Work In Restricted Working Space, Add	19.30	
		For Elevated Installation >10' To 15', Add	6.43	
		For Elevated Installation >15' To 20', Add	12.87	
		For Elevated Installation >20' To 25', Add	16.09	
		For Elevated Installation >25' To 30', Add	22.52	
		For Elevated Installation >30' To 35', Add	25.74	
		For Elevated Installation >35' To 40', Add	32.17	
		For Elevated Installation >40', Add	35.39	
26 05 33 13-0388	EA	2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	305.11	27.88
		For Work In Restricted Working Space, Add	20.91	
		For Elevated Installation >10' To 15', Add	6.97	
		For Elevated Installation >15' To 20', Add	13.94	
		For Elevated Installation >20' To 25', Add	17.42	
		For Elevated Installation >25' To 30', Add	24.39	
		For Elevated Installation >30' To 35', Add	27.88	
		For Elevated Installation >35' To 40', Add	34.85	
		For Elevated Installation >40', Add	38.33	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0389	EA	2-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	466.34	34.31
		For Work In Restricted Working Space, Add	25.73	
		For Elevated Installation >10' To 15', Add	8.58	
		For Elevated Installation >15' To 20', Add	17.16	
		For Elevated Installation >20' To 25', Add	21.45	
		For Elevated Installation >25' To 30', Add	30.02	
		For Elevated Installation >30' To 35', Add	34.31	
		For Elevated Installation >35' To 40', Add	42.89	
		For Elevated Installation >40', Add	47.18	
26 05 33 13-0390	EA	3" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	597.38	42.89
		For Work In Restricted Working Space, Add	32.17	
		For Elevated Installation >10' To 15', Add	10.72	
		For Elevated Installation >15' To 20', Add	21.45	
		For Elevated Installation >20' To 25', Add	26.81	
		For Elevated Installation >25' To 30', Add	37.53	
		For Elevated Installation >30' To 35', Add	42.89	
		For Elevated Installation >35' To 40', Add	53.62	
		For Elevated Installation >40', Add	58.98	
26 05 33 13-0391	EA	3-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	870.94	51.48
		For Work In Restricted Working Space, Add	38.61	
		For Elevated Installation >10' To 15', Add	12.87	
		For Elevated Installation >15' To 20', Add	25.74	
		For Elevated Installation >20' To 25', Add	32.17	
		For Elevated Installation >25' To 30', Add	45.04	
		For Elevated Installation >30' To 35', Add	51.48	
		For Elevated Installation >35' To 40', Add	64.35	
		For Elevated Installation >40', Add	70.78	
26 05 33 13-0392	EA	4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	928.50	55.76
		For Work In Restricted Working Space, Add	41.82	
		For Elevated Installation >10' To 15', Add	13.94	
		For Elevated Installation >15' To 20', Add	27.88	
		For Elevated Installation >20' To 25', Add	34.85	
		For Elevated Installation >25' To 30', Add	48.79	
		For Elevated Installation >30' To 35', Add	55.76	
		For Elevated Installation >35' To 40', Add	69.70	
		For Elevated Installation >40', Add	76.66	
26 05 33 13-0393	EA	5" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	1,420.46	68.63
		For Work In Restricted Working Space, Add	51.47	
		For Elevated Installation >10' To 15', Add	17.16	
		For Elevated Installation >15' To 20', Add	34.31	
		For Elevated Installation >20' To 25', Add	42.89	
		For Elevated Installation >25' To 30', Add	60.05	
		For Elevated Installation >30' To 35', Add	68.63	
		For Elevated Installation >35' To 40', Add	85.79	
		For Elevated Installation >40', Add	94.36	
26 05 33 13-0394	EA	6" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	1,744.08	76.13
		For Work In Restricted Working Space, Add	57.13	
		For Elevated Installation >10' To 15', Add	19.04	
		For Elevated Installation >15' To 20', Add	38.09	
		For Elevated Installation >20' To 25', Add	47.61	
		For Elevated Installation >25' To 30', Add	66.65	
		For Elevated Installation >30' To 35', Add	76.18	
		For Elevated Installation >35' To 40', Add	95.22	
		For Elevated Installation >40', Add	104.74	
26 05 33 13-0395		Rigid Galvanized Steel (RGS) Expansion Fittings, 8" Conduit Movement (26 05		
		33 13-0080)		
		Note: Type AX-8		
26 05 33 13-0396	EA	1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	118.25	17.15
		For Work In Restricted Working Space, Add	12.87	
		For Elevated Installation >10' To 15', Add	4.29	
		For Elevated Installation >15' To 20', Add	8.58	
		For Elevated Installation >20' To 25', Add	10.73	
		For Elevated Installation >25' To 30', Add	15.02	
		For Elevated Installation >30' To 35', Add	17.16	
		For Elevated Installation >35' To 40', Add	21.45	
		For Elevated Installation >40', Add	23.60	
26 05 33 13-0397	EA	3/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	131.52	19.30
		For Work In Restricted Working Space, Add	14.48	
		For Elevated Installation >10' To 15', Add	4.83	
		For Elevated Installation >15' To 20', Add	9.65	
		For Elevated Installation >20' To 25', Add	12.07	
		For Elevated Installation >25' To 30', Add	16.89	
		For Elevated Installation >30' To 35', Add	19.30	
		For Elevated Installation >35' To 40', Add	24.13	
		For Elevated Installation >40', Add	26.54	
26 05 33 13-0398	EA	1" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	159.29	21.45
		For Work In Restricted Working Space, Add	16.09	
		For Elevated Installation >10' To 15', Add	5.36	
		For Elevated Installation >15' To 20', Add	10.72	
		For Elevated Installation >20' To 25', Add	13.41	
		For Elevated Installation >25' To 30', Add	18.77	
		For Elevated Installation >30' To 35', Add	21.45	
		For Elevated Installation >35' To 40', Add	26.81	
		For Elevated Installation >40', Add	29.49	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

26 05 33 13-0399	EA 1-1/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	200.05	23.59
	For Work In Restricted Working Space, Add	17.69	
	For Elevated Installation >10' To 15', Add	5.90	
	For Elevated Installation >15' To 20', Add	11.80	
	For Elevated Installation >20' To 25', Add	14.75	
	For Elevated Installation >25' To 30', Add	20.64	
	For Elevated Installation >30' To 35', Add	23.59	
	For Elevated Installation >35' To 40', Add	29.49	
	For Elevated Installation >40', Add	32.44	
26 05 33 13-0400	EA 1-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	268.24	25.74
	For Work In Restricted Working Space, Add	19.30	
	For Elevated Installation >10' To 15', Add	6.43	
	For Elevated Installation >15' To 20', Add	12.87	
	For Elevated Installation >20' To 25', Add	16.09	
	For Elevated Installation >25' To 30', Add	22.52	
	For Elevated Installation >30' To 35', Add	25.74	
	For Elevated Installation >35' To 40', Add	32.17	
	For Elevated Installation >40', Add	35.39	
26 05 33 13-0401	EA 2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement.....	327.54	27.88
	For Work In Restricted Working Space, Add	20.91	
	For Elevated Installation >10' To 15', Add	6.97	
	For Elevated Installation >15' To 20', Add	13.94	
	For Elevated Installation >20' To 25', Add	17.42	
	For Elevated Installation >25' To 30', Add	24.39	
	For Elevated Installation >30' To 35', Add	27.88	
	For Elevated Installation >35' To 40', Add	34.85	
	For Elevated Installation >40', Add	38.33	
26 05 33 13-0402	EA 2-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	611.79	34.31
	For Work In Restricted Working Space, Add	25.73	
	For Elevated Installation >10' To 15', Add	8.58	
	For Elevated Installation >15' To 20', Add	17.16	
	For Elevated Installation >20' To 25', Add	21.45	
	For Elevated Installation >25' To 30', Add	30.02	
	For Elevated Installation >30' To 35', Add	34.31	
	For Elevated Installation >35' To 40', Add	42.89	
	For Elevated Installation >40', Add	47.18	
26 05 33 13-0403	EA 3" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement.....	696.70	42.89
	For Work In Restricted Working Space, Add	32.17	
	For Elevated Installation >10' To 15', Add	10.72	
	For Elevated Installation >15' To 20', Add	21.45	
	For Elevated Installation >20' To 25', Add	26.81	
	For Elevated Installation >25' To 30', Add	37.53	
	For Elevated Installation >30' To 35', Add	42.89	
	For Elevated Installation >35' To 40', Add	53.62	
	For Elevated Installation >40', Add	58.98	
26 05 33 13-0404	EA 3-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	1,067.22	51.48
	For Work In Restricted Working Space, Add	38.61	
	For Elevated Installation >10' To 15', Add	12.87	
	For Elevated Installation >15' To 20', Add	25.74	
	For Elevated Installation >20' To 25', Add	32.17	
	For Elevated Installation >25' To 30', Add	45.04	
	For Elevated Installation >30' To 35', Add	51.48	
	For Elevated Installation >35' To 40', Add	64.35	
	For Elevated Installation >40', Add	70.78	
26 05 33 13-0405	EA 4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement.....	1,155.37	55.76
	For Work In Restricted Working Space, Add	41.82	
	For Elevated Installation >10' To 15', Add	13.94	
	For Elevated Installation >15' To 20', Add	27.88	
	For Elevated Installation >20' To 25', Add	34.85	
	For Elevated Installation >25' To 30', Add	48.79	
	For Elevated Installation >30' To 35', Add	55.76	
	For Elevated Installation >35' To 40', Add	69.70	
	For Elevated Installation >40', Add	76.66	
26 05 33 13-0406	EA 5" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement.....	1,611.69	68.63
	For Work In Restricted Working Space, Add	51.47	
	For Elevated Installation >10' To 15', Add	17.16	
	For Elevated Installation >15' To 20', Add	34.31	
	For Elevated Installation >20' To 25', Add	42.89	
	For Elevated Installation >25' To 30', Add	60.05	
	For Elevated Installation >30' To 35', Add	68.63	
	For Elevated Installation >35' To 40', Add	85.79	
	For Elevated Installation >40', Add	94.36	
26 05 33 13-0407	EA 6" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement.....	1,990.12	76.13
	For Work In Restricted Working Space, Add	57.13	
	For Elevated Installation >10' To 15', Add	19.04	
	For Elevated Installation >15' To 20', Add	38.09	
	For Elevated Installation >20' To 25', Add	47.61	
	For Elevated Installation >25' To 30', Add	66.65	
	For Elevated Installation >30' To 35', Add	76.18	
	For Elevated Installation >35' To 40', Add	95.22	
	For Elevated Installation >40', Add	104.74	

26 05 33 13-0408 Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fittings, 8" Conduit Movement (26 05 33 13-0060)

Note: Type EX

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0409	EA	1/2"	Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	134.05	17.15
			For Work In Restricted Working Space, Add	12.87	
			For Elevated Installation >10' To 15', Add	4.29	
			For Elevated Installation >15' To 20', Add	8.58	
			For Elevated Installation >20' To 25', Add	10.73	
			For Elevated Installation >25' To 30', Add	15.02	
			For Elevated Installation >30' To 35', Add	17.16	
			For Elevated Installation >35' To 40', Add	21.45	
			For Elevated Installation >40', Add	23.60	
26 05 33 13-0410	EA	3/4"	Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	168.76	19.30
			For Work In Restricted Working Space, Add	14.48	
			For Elevated Installation >10' To 15', Add	4.83	
			For Elevated Installation >15' To 20', Add	9.65	
			For Elevated Installation >20' To 25', Add	12.07	
			For Elevated Installation >25' To 30', Add	16.89	
			For Elevated Installation >30' To 35', Add	19.30	
			For Elevated Installation >35' To 40', Add	24.13	
			For Elevated Installation >40', Add	26.54	
26 05 33 13-0411	EA	1"	Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	209.60	21.45
			For Work In Restricted Working Space, Add	16.09	
			For Elevated Installation >10' To 15', Add	5.36	
			For Elevated Installation >15' To 20', Add	10.72	
			For Elevated Installation >20' To 25', Add	13.41	
			For Elevated Installation >25' To 30', Add	18.77	
			For Elevated Installation >30' To 35', Add	21.45	
			For Elevated Installation >35' To 40', Add	26.81	
			For Elevated Installation >40', Add	29.49	
26 05 33 13-0412	EA	1-1/4"	Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	254.52	23.59
			For Work In Restricted Working Space, Add	17.69	
			For Elevated Installation >10' To 15', Add	5.90	
			For Elevated Installation >15' To 20', Add	11.80	
			For Elevated Installation >20' To 25', Add	14.75	
			For Elevated Installation >25' To 30', Add	20.64	
			For Elevated Installation >30' To 35', Add	23.59	
			For Elevated Installation >35' To 40', Add	29.49	
			For Elevated Installation >40', Add	32.44	
26 05 33 13-0413	EA	1-1/2"	Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	342.01	25.74
			For Work In Restricted Working Space, Add	19.30	
			For Elevated Installation >10' To 15', Add	6.43	
			For Elevated Installation >15' To 20', Add	12.87	
			For Elevated Installation >20' To 25', Add	16.09	
			For Elevated Installation >25' To 30', Add	22.52	
			For Elevated Installation >30' To 35', Add	25.74	
			For Elevated Installation >35' To 40', Add	32.17	
			For Elevated Installation >40', Add	35.39	
26 05 33 13-0414	EA	2"	Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	470.09	27.88
			For Work In Restricted Working Space, Add	20.91	
			For Elevated Installation >10' To 15', Add	6.97	
			For Elevated Installation >15' To 20', Add	13.94	
			For Elevated Installation >20' To 25', Add	17.42	
			For Elevated Installation >25' To 30', Add	24.39	
			For Elevated Installation >30' To 35', Add	27.88	
			For Elevated Installation >35' To 40', Add	34.85	
			For Elevated Installation >40', Add	38.33	
26 05 33 13-0415	EA	2-1/2"	Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	729.15	34.31
			For Work In Restricted Working Space, Add	25.73	
			For Elevated Installation >10' To 15', Add	8.58	
			For Elevated Installation >15' To 20', Add	17.16	
			For Elevated Installation >20' To 25', Add	21.45	
			For Elevated Installation >25' To 30', Add	30.02	
			For Elevated Installation >30' To 35', Add	34.31	
			For Elevated Installation >35' To 40', Add	42.89	
			For Elevated Installation >40', Add	47.18	
26 05 33 13-0416	EA	3"	Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	982.44	42.89
			For Work In Restricted Working Space, Add	32.17	
			For Elevated Installation >10' To 15', Add	10.72	
			For Elevated Installation >15' To 20', Add	21.45	
			For Elevated Installation >20' To 25', Add	26.81	
			For Elevated Installation >25' To 30', Add	37.53	
			For Elevated Installation >30' To 35', Add	42.89	
			For Elevated Installation >35' To 40', Add	53.62	
			For Elevated Installation >40', Add	58.98	
26 05 33 13-0417	EA	3-1/2"	Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	1,473.63	51.48
			For Work In Restricted Working Space, Add	38.61	
			For Elevated Installation >10' To 15', Add	12.87	
			For Elevated Installation >15' To 20', Add	25.74	
			For Elevated Installation >20' To 25', Add	32.17	
			For Elevated Installation >25' To 30', Add	45.04	
			For Elevated Installation >30' To 35', Add	51.48	
			For Elevated Installation >35' To 40', Add	64.35	
			For Elevated Installation >40', Add	70.78	
26 05 33 13-0418	EA	4"	Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	1,525.55	55.76
			For Work In Restricted Working Space, Add	41.82	
			For Elevated Installation >10' To 15', Add	13.94	
			For Elevated Installation >15' To 20', Add	27.88	
			For Elevated Installation >20' To 25', Add	34.85	
			For Elevated Installation >25' To 30', Add	48.79	
			For Elevated Installation >30' To 35', Add	55.76	
			For Elevated Installation >35' To 40', Add	69.70	
			For Elevated Installation >40', Add	76.66	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-0419	EA	5" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	2,294.06	68.63
		For Work In Restricted Working Space, Add	51.47	
		For Elevated Installation >10' To 15', Add	17.16	
		For Elevated Installation >15' To 20', Add	34.31	
		For Elevated Installation >20' To 25', Add	42.89	
		For Elevated Installation >25' To 30', Add	60.05	
		For Elevated Installation >30' To 35', Add	68.63	
		For Elevated Installation >35' To 40', Add	85.79	
		For Elevated Installation >40', Add	94.36	
26 05 33 13-0420	EA	6" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	2,842.87	76.13
		For Work In Restricted Working Space, Add	57.13	
		For Elevated Installation >10' To 15', Add	19.04	
		For Elevated Installation >15' To 20', Add	38.09	
		For Elevated Installation >20' To 25', Add	47.61	
		For Elevated Installation >25' To 30', Add	66.65	
		For Elevated Installation >30' To 35', Add	76.18	
		For Elevated Installation >35' To 40', Add	95.22	
		For Elevated Installation >40', Add	104.74	

26 05 33 13-0421 Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fittings

(26 05 33 13-0060)

Note: Type DX

26 05 33 13-0422	EA	1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	231.45	17.15
		For Work In Restricted Working Space, Add	12.87	
		For Elevated Installation >10' To 15', Add	4.29	
		For Elevated Installation >15' To 20', Add	8.58	
		For Elevated Installation >20' To 25', Add	10.73	
		For Elevated Installation >25' To 30', Add	15.02	
		For Elevated Installation >30' To 35', Add	17.16	
		For Elevated Installation >35' To 40', Add	21.45	
		For Elevated Installation >40', Add	23.60	
26 05 33 13-0423	EA	3/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	275.58	19.30
		For Work In Restricted Working Space, Add	14.48	
		For Elevated Installation >10' To 15', Add	4.83	
		For Elevated Installation >15' To 20', Add	9.65	
		For Elevated Installation >20' To 25', Add	12.07	
		For Elevated Installation >25' To 30', Add	16.89	
		For Elevated Installation >30' To 35', Add	19.30	
		For Elevated Installation >35' To 40', Add	24.13	
		For Elevated Installation >40', Add	26.54	
26 05 33 13-0424	EA	1" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	332.87	21.45
		For Work In Restricted Working Space, Add	16.09	
		For Elevated Installation >10' To 15', Add	5.36	
		For Elevated Installation >15' To 20', Add	10.72	
		For Elevated Installation >20' To 25', Add	13.41	
		For Elevated Installation >25' To 30', Add	18.77	
		For Elevated Installation >30' To 35', Add	21.45	
		For Elevated Installation >35' To 40', Add	26.81	
		For Elevated Installation >40', Add	29.49	
26 05 33 13-0425	EA	1-1/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	391.11	23.59
		For Work In Restricted Working Space, Add	17.69	
		For Elevated Installation >10' To 15', Add	5.90	
		For Elevated Installation >15' To 20', Add	11.80	
		For Elevated Installation >20' To 25', Add	14.75	
		For Elevated Installation >25' To 30', Add	20.64	
		For Elevated Installation >30' To 35', Add	23.59	
		For Elevated Installation >35' To 40', Add	29.49	
		For Elevated Installation >40', Add	32.44	
26 05 33 13-0426	EA	1-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	432.47	25.74
		For Work In Restricted Working Space, Add	19.30	
		For Elevated Installation >10' To 15', Add	6.43	
		For Elevated Installation >15' To 20', Add	12.87	
		For Elevated Installation >20' To 25', Add	16.09	
		For Elevated Installation >25' To 30', Add	22.52	
		For Elevated Installation >30' To 35', Add	25.74	
		For Elevated Installation >35' To 40', Add	32.17	
		For Elevated Installation >40', Add	35.39	
26 05 33 13-0427	EA	2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	533.97	27.88
		For Work In Restricted Working Space, Add	20.91	
		For Elevated Installation >10' To 15', Add	6.97	
		For Elevated Installation >15' To 20', Add	13.94	
		For Elevated Installation >20' To 25', Add	17.42	
		For Elevated Installation >25' To 30', Add	24.39	
		For Elevated Installation >30' To 35', Add	27.88	
		For Elevated Installation >35' To 40', Add	34.85	
		For Elevated Installation >40', Add	38.33	
26 05 33 13-0428	EA	2-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	705.43	34.31
		For Work In Restricted Working Space, Add	25.73	
		For Elevated Installation >10' To 15', Add	8.58	
		For Elevated Installation >15' To 20', Add	17.16	
		For Elevated Installation >20' To 25', Add	21.45	
		For Elevated Installation >25' To 30', Add	30.02	
		For Elevated Installation >30' To 35', Add	34.31	
		For Elevated Installation >35' To 40', Add	42.89	
		For Elevated Installation >40', Add	47.18	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0429	EA	3" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	894.55	42.89
		For Work In Restricted Working Space, Add	32.17	
		For Elevated Installation >10' To 15', Add	10.72	
		For Elevated Installation >15' To 20', Add	21.45	
		For Elevated Installation >20' To 25', Add	26.61	
		For Elevated Installation >25' To 30', Add	37.53	
		For Elevated Installation >30' To 35', Add	42.89	
		For Elevated Installation >35' To 40', Add	53.62	
		For Elevated Installation >40', Add	58.98	
26 05 33 13-0430	EA	3-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	1,006.96	51.48
		For Work In Restricted Working Space, Add	38.61	
		For Elevated Installation >10' To 15', Add	12.87	
		For Elevated Installation >15' To 20', Add	25.74	
		For Elevated Installation >20' To 25', Add	32.17	
		For Elevated Installation >25' To 30', Add	45.04	
		For Elevated Installation >30' To 35', Add	51.48	
		For Elevated Installation >35' To 40', Add	64.35	
		For Elevated Installation >40', Add	70.78	
26 05 33 13-0431	EA	4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	1,220.20	55.76
		For Work In Restricted Working Space, Add	41.82	
		For Elevated Installation >10' To 15', Add	13.94	
		For Elevated Installation >15' To 20', Add	27.88	
		For Elevated Installation >20' To 25', Add	34.85	
		For Elevated Installation >25' To 30', Add	48.79	
		For Elevated Installation >30' To 35', Add	55.76	
		For Elevated Installation >35' To 40', Add	69.70	
		For Elevated Installation >40', Add	76.66	
26 05 33 13-0432	EA	5" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	2,083.50	68.63
		For Work In Restricted Working Space, Add	51.47	
		For Elevated Installation >10' To 15', Add	17.16	
		For Elevated Installation >15' To 20', Add	34.31	
		For Elevated Installation >20' To 25', Add	42.89	
		For Elevated Installation >25' To 30', Add	60.05	
		For Elevated Installation >30' To 35', Add	68.63	
		For Elevated Installation >35' To 40', Add	85.79	
		For Elevated Installation >40', Add	94.36	
26 05 33 13-0433	EA	6" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	3,308.53	76.13
		For Work In Restricted Working Space, Add	57.13	
		For Elevated Installation >10' To 15', Add	19.04	
		For Elevated Installation >15' To 20', Add	38.09	
		For Elevated Installation >20' To 25', Add	47.61	
		For Elevated Installation >25' To 30', Add	66.65	
		For Elevated Installation >30' To 35', Add	76.18	
		For Elevated Installation >35' To 40', Add	95.22	
		For Elevated Installation >40', Add	104.74	
26 05 33 13-0434		Rigid Galvanized Steel (RGS) Conduit Bonding Jumpers (26 05 33 13-0060)		
26 05 33 13-0435	EA	1/2" To 3/4" Conduit, 14" Bonding Jumper	60.32	8.58
		For Work In Restricted Working Space, Add	6.44	
		For Elevated Installation >10' To 15', Add	2.15	
		For Elevated Installation >15' To 20', Add	4.29	
		For Elevated Installation >20' To 25', Add	5.36	
		For Elevated Installation >25' To 30', Add	7.51	
		For Elevated Installation >30' To 35', Add	8.58	
		For Elevated Installation >35' To 40', Add	10.73	
		For Elevated Installation >40', Add	11.80	
26 05 33 13-0436	EA	1" To 1-1/4" Conduit, 14" Bonding Jumper	69.61	10.72
		For Work In Restricted Working Space, Add	8.04	
		For Elevated Installation >10' To 15', Add	2.68	
		For Elevated Installation >15' To 20', Add	5.36	
		For Elevated Installation >20' To 25', Add	6.70	
		For Elevated Installation >25' To 30', Add	9.38	
		For Elevated Installation >30' To 35', Add	10.72	
		For Elevated Installation >35' To 40', Add	13.41	
		For Elevated Installation >40', Add	14.75	
26 05 33 13-0437	EA	1-1/2" To 2" Conduit, 14" Bonding Jumper	85.76	12.86
		For Work In Restricted Working Space, Add	9.65	
		For Elevated Installation >10' To 15', Add	3.22	
		For Elevated Installation >15' To 20', Add	6.43	
		For Elevated Installation >20' To 25', Add	8.04	
		For Elevated Installation >25' To 30', Add	11.26	
		For Elevated Installation >30' To 35', Add	12.86	
		For Elevated Installation >35' To 40', Add	16.08	
		For Elevated Installation >40', Add	17.69	
26 05 33 13-0438	EA	2-1/2" To 3" Conduit, 14" Bonding Jumper	120.35	17.15
		For Work In Restricted Working Space, Add	12.87	
		For Elevated Installation >10' To 15', Add	4.29	
		For Elevated Installation >15' To 20', Add	8.58	
		For Elevated Installation >20' To 25', Add	10.72	
		For Elevated Installation >25' To 30', Add	15.01	
		For Elevated Installation >30' To 35', Add	17.16	
		For Elevated Installation >35' To 40', Add	21.45	
		For Elevated Installation >40', Add	23.59	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-0439	EA 3-1/2" To 4" Conduit, 14" Bonding Jumper	182.32	25.74
	For Work In Restricted Working Space, Add	19.31	
	For Elevated Installation >10' To 15', Add	6.44	
	For Elevated Installation >15' To 20', Add	12.87	
	For Elevated Installation >20' To 25', Add	16.09	
	For Elevated Installation >25' To 30', Add	22.52	
	For Elevated Installation >30' To 35', Add	25.74	
	For Elevated Installation >35' To 40', Add	32.18	
	For Elevated Installation >40', Add	35.39	
26 05 33 13-0440	EA 5" To 6" Conduit, 14" Bonding Jumper	309.91	34.31
	For Work In Restricted Working Space, Add	25.73	
	For Elevated Installation >10' To 15', Add	8.58	
	For Elevated Installation >15' To 20', Add	17.16	
	For Elevated Installation >20' To 25', Add	21.45	
	For Elevated Installation >25' To 30', Add	30.02	
	For Elevated Installation >30' To 35', Add	34.31	
	For Elevated Installation >35' To 40', Add	42.89	
	For Elevated Installation >40', Add	47.18	
26 05 33 13-0441	EA 1/2" To 3/4" Conduit, 24" Bonding Jumper	66.98	8.58
	For Work In Restricted Working Space, Add	6.44	
	For Elevated Installation >10' To 15', Add	2.15	
	For Elevated Installation >15' To 20', Add	4.29	
	For Elevated Installation >20' To 25', Add	5.36	
	For Elevated Installation >25' To 30', Add	7.51	
	For Elevated Installation >30' To 35', Add	8.58	
	For Elevated Installation >35' To 40', Add	10.73	
	For Elevated Installation >40', Add	11.80	
26 05 33 13-0442	EA 1" To 1-1/4" Conduit, 24" Bonding Jumper	78.03	10.72
	For Work In Restricted Working Space, Add	8.04	
	For Elevated Installation >10' To 15', Add	2.68	
	For Elevated Installation >15' To 20', Add	5.36	
	For Elevated Installation >20' To 25', Add	6.70	
	For Elevated Installation >25' To 30', Add	9.38	
	For Elevated Installation >30' To 35', Add	10.72	
	For Elevated Installation >35' To 40', Add	13.41	
	For Elevated Installation >40', Add	14.75	
26 05 33 13-0443	EA 1-1/2" To 2" Conduit, 24" Bonding Jumper	93.47	12.86
	For Work In Restricted Working Space, Add	9.65	
	For Elevated Installation >10' To 15', Add	3.22	
	For Elevated Installation >15' To 20', Add	6.43	
	For Elevated Installation >20' To 25', Add	8.04	
	For Elevated Installation >25' To 30', Add	11.26	
	For Elevated Installation >30' To 35', Add	12.86	
	For Elevated Installation >35' To 40', Add	16.08	
	For Elevated Installation >40', Add	17.69	
26 05 33 13-0444	EA 2-1/2" To 3" Conduit, 24" Bonding Jumper	130.58	17.15
	For Work In Restricted Working Space, Add	12.87	
	For Elevated Installation >10' To 15', Add	4.29	
	For Elevated Installation >15' To 20', Add	8.58	
	For Elevated Installation >20' To 25', Add	10.72	
	For Elevated Installation >25' To 30', Add	15.01	
	For Elevated Installation >30' To 35', Add	17.16	
	For Elevated Installation >35' To 40', Add	21.45	
	For Elevated Installation >40', Add	23.59	
26 05 33 13-0445	EA 3-1/2" To 4" Conduit, 24" Bonding Jumper	195.89	25.74
	For Work In Restricted Working Space, Add	19.31	
	For Elevated Installation >10' To 15', Add	6.44	
	For Elevated Installation >15' To 20', Add	12.87	
	For Elevated Installation >20' To 25', Add	16.09	
	For Elevated Installation >25' To 30', Add	22.52	
	For Elevated Installation >30' To 35', Add	25.74	
	For Elevated Installation >35' To 40', Add	32.18	
	For Elevated Installation >40', Add	35.39	
26 05 33 13-0446	EA 5" To 6" Conduit, 24" Bonding Jumper	353.68	34.31
	For Work In Restricted Working Space, Add	25.73	
	For Elevated Installation >10' To 15', Add	8.58	
	For Elevated Installation >15' To 20', Add	17.16	
	For Elevated Installation >20' To 25', Add	21.45	
	For Elevated Installation >25' To 30', Add	30.02	
	For Elevated Installation >30' To 35', Add	34.31	
	For Elevated Installation >35' To 40', Add	42.89	
	For Elevated Installation >40', Add	47.18	

26 05 33 13-0447 Rigid Galvanized Steel (RGS) Sealing Fittings, Vertical/Horizontal (26 05 33 13-0060)

26 05 33 13-0448	EA 1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	94.67	26.81
	For Work In Restricted Working Space, Add	16.08	
	For Elevated Installation >10' To 15', Add	5.36	
	For Elevated Installation >15' To 20', Add	10.72	
	For Elevated Installation >20' To 25', Add	13.40	
	For Elevated Installation >25' To 30', Add	18.76	
	For Elevated Installation >30' To 35', Add	21.44	
	For Elevated Installation >35' To 40', Add	26.81	
	For Elevated Installation >40', Add	29.49	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.08	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0449	EA	3/4"	Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	112.56	32.16
			For Work In Restricted Working Space, Add	19.30	
			For Elevated Installation >10' To 15', Add	6.43	
			For Elevated Installation >15' To 20', Add	12.87	
			For Elevated Installation >20' To 25', Add	16.09	
			For Elevated Installation >25' To 30', Add	22.52	
			For Elevated Installation >30' To 35', Add	25.74	
			For Elevated Installation >35' To 40', Add	32.17	
			For Elevated Installation >40', Add	35.39	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.30	
26 05 33 13-0450	EA	1"	Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	137.03	37.53
			For Work In Restricted Working Space, Add	22.52	
			For Elevated Installation >10' To 15', Add	7.51	
			For Elevated Installation >15' To 20', Add	15.01	
			For Elevated Installation >20' To 25', Add	18.77	
			For Elevated Installation >25' To 30', Add	26.27	
			For Elevated Installation >30' To 35', Add	30.02	
			For Elevated Installation >35' To 40', Add	37.53	
			For Elevated Installation >40', Add	41.28	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.52	
26 05 33 13-0451	EA	1-1/4"	Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	161.04	42.89
			For Work In Restricted Working Space, Add	25.73	
			For Elevated Installation >10' To 15', Add	8.58	
			For Elevated Installation >15' To 20', Add	17.16	
			For Elevated Installation >20' To 25', Add	21.45	
			For Elevated Installation >25' To 30', Add	30.02	
			For Elevated Installation >30' To 35', Add	34.31	
			For Elevated Installation >35' To 40', Add	42.89	
			For Elevated Installation >40', Add	47.18	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.73	
26 05 33 13-0452	EA	1-1/2"	Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	209.81	48.26
			For Work In Restricted Working Space, Add	28.95	
			For Elevated Installation >10' To 15', Add	9.65	
			For Elevated Installation >15' To 20', Add	19.30	
			For Elevated Installation >20' To 25', Add	24.13	
			For Elevated Installation >25' To 30', Add	33.78	
			For Elevated Installation >30' To 35', Add	38.60	
			For Elevated Installation >35' To 40', Add	48.25	
			For Elevated Installation >40', Add	53.08	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.95	
26 05 33 13-0453	EA	2"	Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	254.03	53.61
			For Work In Restricted Working Space, Add	32.17	
			For Elevated Installation >10' To 15', Add	10.72	
			For Elevated Installation >15' To 20', Add	21.45	
			For Elevated Installation >20' To 25', Add	26.81	
			For Elevated Installation >25' To 30', Add	37.53	
			For Elevated Installation >30' To 35', Add	42.89	
			For Elevated Installation >35' To 40', Add	53.62	
			For Elevated Installation >40', Add	58.98	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.17	
26 05 33 13-0454	EA	2-1/2"	Rigid Galvanized Steel (RGS) Conduit Sealing Fitting, Vertical/Horizontal	356.76	64.34
			For Work In Restricted Working Space, Add	38.60	
			For Elevated Installation >10' To 15', Add	12.87	
			For Elevated Installation >15' To 20', Add	25.74	
			For Elevated Installation >20' To 25', Add	32.17	
			For Elevated Installation >25' To 30', Add	45.04	
			For Elevated Installation >30' To 35', Add	51.47	
			For Elevated Installation >35' To 40', Add	64.34	
			For Elevated Installation >40', Add	70.77	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.60	
26 05 33 13-0455	EA	3"	Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	428.73	75.06
			For Work In Restricted Working Space, Add	45.04	
			For Elevated Installation >10' To 15', Add	15.01	
			For Elevated Installation >15' To 20', Add	30.02	
			For Elevated Installation >20' To 25', Add	37.53	
			For Elevated Installation >25' To 30', Add	52.54	
			For Elevated Installation >30' To 35', Add	60.05	
			For Elevated Installation >35' To 40', Add	75.06	
			For Elevated Installation >40', Add	82.57	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	45.04	
26 05 33 13-0456	EA	3-1/2"	Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	975.11	85.78
			For Work In Restricted Working Space, Add	51.47	
			For Elevated Installation >10' To 15', Add	17.16	
			For Elevated Installation >15' To 20', Add	34.31	
			For Elevated Installation >20' To 25', Add	42.89	
			For Elevated Installation >25' To 30', Add	60.05	
			For Elevated Installation >30' To 35', Add	68.63	
			For Elevated Installation >35' To 40', Add	85.79	
			For Elevated Installation >40', Add	94.36	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	51.47	
26 05 33 13-0457	EA	4"	Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	1,123.00	96.50
			For Work In Restricted Working Space, Add	57.91	
			For Elevated Installation >10' To 15', Add	19.30	
			For Elevated Installation >15' To 20', Add	38.60	
			For Elevated Installation >20' To 25', Add	48.26	
			For Elevated Installation >25' To 30', Add	67.56	
			For Elevated Installation >30' To 35', Add	77.21	
			For Elevated Installation >35' To 40', Add	96.51	
			For Elevated Installation >40', Add	106.16	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	57.91	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-0458	Rigid Galvanized Steel (RGS) Threaded Couplings (26 05 33 13-0060)		
26 05 33 13-0459	EA 1/2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	14.31	6.44
	For Work In Restricted Working Space, Add	3.86	
	For Elevated Installation >10' To 15', Add	1.29	
	For Elevated Installation >15' To 20', Add	2.57	
	For Elevated Installation >20' To 25', Add	3.22	
	For Elevated Installation >25' To 30', Add	4.50	
	For Elevated Installation >30' To 35', Add	5.14	
	For Elevated Installation >35' To 40', Add	6.43	
	For Elevated Installation >40', Add	7.07	
26 05 33 13-0460	EA 3/4" Rigid Galvanized Steel (RGS) Threaded Coupling.....	20.05	9.11
	For Work In Restricted Working Space, Add	5.47	
	For Elevated Installation >10' To 15', Add	1.82	
	For Elevated Installation >15' To 20', Add	3.65	
	For Elevated Installation >20' To 25', Add	4.56	
	For Elevated Installation >25' To 30', Add	6.38	
	For Elevated Installation >30' To 35', Add	7.29	
	For Elevated Installation >35' To 40', Add	9.12	
	For Elevated Installation >40', Add	10.03	
26 05 33 13-0461	EA 1" Rigid Galvanized Steel (RGS) Threaded Coupling.....	26.36	11.79
	For Work In Restricted Working Space, Add	7.08	
	For Elevated Installation >10' To 15', Add	2.36	
	For Elevated Installation >15' To 20', Add	4.72	
	For Elevated Installation >20' To 25', Add	5.90	
	For Elevated Installation >25' To 30', Add	8.26	
	For Elevated Installation >30' To 35', Add	9.44	
	For Elevated Installation >35' To 40', Add	11.80	
	For Elevated Installation >40', Add	12.97	
26 05 33 13-0462	EA 1-1/4" Rigid Galvanized Steel (RGS) Threaded Coupling.....	30.31	13.41
	For Work In Restricted Working Space, Add	8.04	
	For Elevated Installation >10' To 15', Add	2.68	
	For Elevated Installation >15' To 20', Add	5.36	
	For Elevated Installation >20' To 25', Add	6.70	
	For Elevated Installation >25' To 30', Add	9.38	
	For Elevated Installation >30' To 35', Add	10.72	
	For Elevated Installation >35' To 40', Add	13.41	
	For Elevated Installation >40', Add	14.75	
26 05 33 13-0463	EA 1-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	36.54	16.08
	For Work In Restricted Working Space, Add	9.65	
	For Elevated Installation >10' To 15', Add	3.22	
	For Elevated Installation >15' To 20', Add	6.43	
	For Elevated Installation >20' To 25', Add	8.04	
	For Elevated Installation >25' To 30', Add	11.26	
	For Elevated Installation >30' To 35', Add	12.86	
	For Elevated Installation >35' To 40', Add	16.08	
	For Elevated Installation >40', Add	17.69	
26 05 33 13-0464	EA 2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	42.99	18.23
	For Work In Restricted Working Space, Add	10.94	
	For Elevated Installation >10' To 15', Add	3.65	
	For Elevated Installation >15' To 20', Add	7.29	
	For Elevated Installation >20' To 25', Add	9.12	
	For Elevated Installation >25' To 30', Add	12.76	
	For Elevated Installation >30' To 35', Add	14.58	
	For Elevated Installation >35' To 40', Add	18.23	
	For Elevated Installation >40', Add	20.05	
26 05 33 13-0465	EA 2-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	55.41	20.37
	For Work In Restricted Working Space, Add	12.23	
	For Elevated Installation >10' To 15', Add	4.08	
	For Elevated Installation >15' To 20', Add	8.15	
	For Elevated Installation >20' To 25', Add	10.19	
	For Elevated Installation >25' To 30', Add	14.26	
	For Elevated Installation >30' To 35', Add	16.30	
	For Elevated Installation >35' To 40', Add	20.38	
	For Elevated Installation >40', Add	22.41	
26 05 33 13-0466	EA 3" Rigid Galvanized Steel (RGS) Threaded Coupling.....	65.17	23.05
	For Work In Restricted Working Space, Add	13.83	
	For Elevated Installation >10' To 15', Add	4.61	
	For Elevated Installation >15' To 20', Add	9.22	
	For Elevated Installation >20' To 25', Add	11.53	
	For Elevated Installation >25' To 30', Add	16.14	
	For Elevated Installation >30' To 35', Add	18.44	
	For Elevated Installation >35' To 40', Add	23.06	
	For Elevated Installation >40', Add	25.36	
26 05 33 13-0467	EA 3-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	76.15	25.20
	For Work In Restricted Working Space, Add	15.12	
	For Elevated Installation >10' To 15', Add	5.04	
	For Elevated Installation >15' To 20', Add	10.08	
	For Elevated Installation >20' To 25', Add	12.60	
	For Elevated Installation >25' To 30', Add	17.64	
	For Elevated Installation >30' To 35', Add	20.16	
	For Elevated Installation >35' To 40', Add	25.20	
	For Elevated Installation >40', Add	27.72	
26 05 33 13-0468	EA 4" Threaded Rigid Galvanized Steel (RGS) Coupling.....	80.43	26.81
	For Work In Restricted Working Space, Add	16.08	
	For Elevated Installation >10' To 15', Add	5.36	
	For Elevated Installation >15' To 20', Add	10.72	
	For Elevated Installation >20' To 25', Add	13.40	
	For Elevated Installation >25' To 30', Add	18.76	
	For Elevated Installation >30' To 35', Add	21.44	
	For Elevated Installation >35' To 40', Add	26.81	
	For Elevated Installation >40', Add	29.49	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 13-0469 Rigid Galvanized Steel (RGS) Sealing Locknut (26 05 33 13-0060)					
26 05 33 13-0470	EA		1/2" Rigid Galvanized Steel (RGS) Sealing Locknut.....	3.43	1.07
26 05 33 13-0471	EA		3/4" Rigid Galvanized Steel (RGS) Sealing Locknut.....	4.70	1.60
26 05 33 13-0472	EA		1" Rigid Galvanized Steel (RGS) Sealing Locknut.....	7.80	2.68
26 05 33 13-0473	EA		1-1/4" Rigid Galvanized Steel (RGS) Sealing Locknut	11.32	3.75
26 05 33 13-0474	EA		1-1/2" Rigid Galvanized Steel (RGS) Sealing Locknut	13.61	4.29
26 05 33 13-0475	EA		2" Rigid Galvanized Steel (RGS) Sealing Locknut.....	16.07	4.82
26 05 33 13-0476 Rigid Galvanized Steel (RGS) Fire Stop Fittings (26 05 33 13-0060)					
26 05 33 13-0477	EA		1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	196.12	13.01
			For Work In Restricted Working Space, Add	9.76	
			For Elevated Installation >10' To 15', Add	3.25	
			For Elevated Installation >15' To 20', Add	6.51	
			For Elevated Installation >20' To 25', Add	8.14	
			For Elevated Installation >25' To 30', Add	11.39	
			For Elevated Installation >30' To 35', Add	13.02	
			For Elevated Installation >35' To 40', Add	16.27	
			For Elevated Installation >40', Add	17.90	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.76	
26 05 33 13-0478	EA		3/4" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	199.25	14.26
			For Work In Restricted Working Space, Add	10.70	
			For Elevated Installation >10' To 15', Add	3.57	
			For Elevated Installation >15' To 20', Add	7.13	
			For Elevated Installation >20' To 25', Add	8.92	
			For Elevated Installation >25' To 30', Add	12.48	
			For Elevated Installation >30' To 35', Add	14.27	
			For Elevated Installation >35' To 40', Add	17.84	
			For Elevated Installation >40', Add	19.62	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.70	
26 05 33 13-0479	EA		1" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	239.26	15.65
			For Work In Restricted Working Space, Add	11.72	
			For Elevated Installation >10' To 15', Add	3.91	
			For Elevated Installation >15' To 20', Add	7.81	
			For Elevated Installation >20' To 25', Add	9.77	
			For Elevated Installation >25' To 30', Add	13.67	
			For Elevated Installation >30' To 35', Add	15.62	
			For Elevated Installation >35' To 40', Add	19.53	
			For Elevated Installation >40', Add	21.48	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.72	
26 05 33 13-0480	EA		1-1/4" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	262.66	17.15
			For Work In Restricted Working Space, Add	12.88	
			For Elevated Installation >10' To 15', Add	4.29	
			For Elevated Installation >15' To 20', Add	8.59	
			For Elevated Installation >20' To 25', Add	10.73	
			For Elevated Installation >25' To 30', Add	15.03	
			For Elevated Installation >30' To 35', Add	17.17	
			For Elevated Installation >35' To 40', Add	21.47	
			For Elevated Installation >40', Add	23.61	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.88	
26 05 33 13-0481	EA		1-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	299.73	19.30
			For Work In Restricted Working Space, Add	14.48	
			For Elevated Installation >10' To 15', Add	4.83	
			For Elevated Installation >15' To 20', Add	9.65	
			For Elevated Installation >20' To 25', Add	12.07	
			For Elevated Installation >25' To 30', Add	16.89	
			For Elevated Installation >30' To 35', Add	19.30	
			For Elevated Installation >35' To 40', Add	24.13	
			For Elevated Installation >40', Add	26.54	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.48	
26 05 33 13-0482	EA		2" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	444.27	21.45
			For Work In Restricted Working Space, Add	16.09	
			For Elevated Installation >10' To 15', Add	5.36	
			For Elevated Installation >15' To 20', Add	10.73	
			For Elevated Installation >20' To 25', Add	13.41	
			For Elevated Installation >25' To 30', Add	18.77	
			For Elevated Installation >30' To 35', Add	21.46	
			For Elevated Installation >35' To 40', Add	26.82	
			For Elevated Installation >40', Add	29.50	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.09	
26 05 33 13-0483	EA		2-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	510.99	28.64
			For Work In Restricted Working Space, Add	21.46	
			For Elevated Installation >10' To 15', Add	7.15	
			For Elevated Installation >15' To 20', Add	14.31	
			For Elevated Installation >20' To 25', Add	17.88	
			For Elevated Installation >25' To 30', Add	25.04	
			For Elevated Installation >30' To 35', Add	28.61	
			For Elevated Installation >35' To 40', Add	35.77	
			For Elevated Installation >40', Add	39.34	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.46	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-0484	EA	3" Rigid Galvanized Steel (RGS) Fire Stop Fitting	566.89	31.42
		For Work In Restricted Working Space, Add	23.58	
		For Elevated Installation >10' To 15', Add	7.86	
		For Elevated Installation >15' To 20', Add	15.72	
		For Elevated Installation >20' To 25', Add	19.65	
		For Elevated Installation >25' To 30', Add	27.51	
		For Elevated Installation >30' To 35', Add	31.44	
		For Elevated Installation >35' To 40', Add	39.30	
		For Elevated Installation >40', Add	43.23	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.58	
26 05 33 13-0485	EA	3-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	659.53	34.31
		For Work In Restricted Working Space, Add	25.74	
		For Elevated Installation >10' To 15', Add	8.58	
		For Elevated Installation >15' To 20', Add	17.16	
		For Elevated Installation >20' To 25', Add	21.45	
		For Elevated Installation >25' To 30', Add	30.03	
		For Elevated Installation >30' To 35', Add	34.32	
		For Elevated Installation >35' To 40', Add	42.90	
		For Elevated Installation >40', Add	47.18	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.74	
26 05 33 13-0486	EA	4" Rigid Galvanized Steel (RGS) Fire Stop Fitting	743.49	38.60
		For Work In Restricted Working Space, Add	28.95	
		For Elevated Installation >10' To 15', Add	9.65	
		For Elevated Installation >15' To 20', Add	19.30	
		For Elevated Installation >20' To 25', Add	24.13	
		For Elevated Installation >25' To 30', Add	33.78	
		For Elevated Installation >30' To 35', Add	38.60	
		For Elevated Installation >35' To 40', Add	48.25	
		For Elevated Installation >40', Add	53.08	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.95	
26 05 33 13-0487	EA	5" Rigid Galvanized Steel (RGS) Fire Stop Fitting	998.36	42.89
		For Work In Restricted Working Space, Add	32.17	
		For Elevated Installation >10' To 15', Add	10.72	
		For Elevated Installation >15' To 20', Add	21.45	
		For Elevated Installation >20' To 25', Add	26.81	
		For Elevated Installation >25' To 30', Add	37.53	
		For Elevated Installation >30' To 35', Add	42.89	
		For Elevated Installation >35' To 40', Add	53.62	
		For Elevated Installation >40', Add	58.98	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.17	
26 05 33 13-0488	EA	6" Rigid Galvanized Steel (RGS) Fire Stop Fitting	1,242.09	47.61
		For Work In Restricted Working Space, Add	35.71	
		For Elevated Installation >10' To 15', Add	11.90	
		For Elevated Installation >15' To 20', Add	23.80	
		For Elevated Installation >20' To 25', Add	29.76	
		For Elevated Installation >25' To 30', Add	41.66	
		For Elevated Installation >30' To 35', Add	47.61	
		For Elevated Installation >35' To 40', Add	59.51	
		For Elevated Installation >40', Add	65.46	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.71	

26 05 33 13-0489 Rigid Galvanized Steel (RGS) Reducing Bushings (26 05 33 13-0060)

26 05 33 13-0490	EA	3/4" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	17.61	8.31
		For Work In Restricted Working Space, Add	4.99	
		For Elevated Installation >10' To 15', Add	1.66	
		For Elevated Installation >15' To 20', Add	3.32	
		For Elevated Installation >20' To 25', Add	4.16	
		For Elevated Installation >25' To 30', Add	5.82	
		For Elevated Installation >30' To 35', Add	6.65	
		For Elevated Installation >35' To 40', Add	8.31	
		For Elevated Installation >40', Add	9.14	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.99	
26 05 33 13-0491	EA	1" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	19.52	8.84
		For Work In Restricted Working Space, Add	5.31	
		For Elevated Installation >10' To 15', Add	1.77	
		For Elevated Installation >15' To 20', Add	3.54	
		For Elevated Installation >20' To 25', Add	4.43	
		For Elevated Installation >25' To 30', Add	6.20	
		For Elevated Installation >30' To 35', Add	7.08	
		For Elevated Installation >35' To 40', Add	8.85	
		For Elevated Installation >40', Add	9.74	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.31	
26 05 33 13-0492	EA	1" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing	20.05	9.11
		For Work In Restricted Working Space, Add	5.47	
		For Elevated Installation >10' To 15', Add	1.82	
		For Elevated Installation >15' To 20', Add	3.65	
		For Elevated Installation >20' To 25', Add	4.56	
		For Elevated Installation >25' To 30', Add	6.38	
		For Elevated Installation >30' To 35', Add	7.29	
		For Elevated Installation >35' To 40', Add	9.12	
		For Elevated Installation >40', Add	10.03	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.47	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0493	EA	1-1/4" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	.....	23.49	9.38
		For Work In Restricted Working Space, Add	.....	5.63	
		For Elevated Installation >10' To 15', Add	.....	1.88	
		For Elevated Installation >15' To 20', Add	.....	3.75	
		For Elevated Installation >20' To 25', Add	.....	4.69	
		For Elevated Installation >25' To 30', Add	.....	6.57	
		For Elevated Installation >30' To 35', Add	.....	7.51	
		For Elevated Installation >35' To 40', Add	.....	9.39	
		For Elevated Installation >40', Add	.....	10.32	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	.....	5.63	
26 05 33 13-0494	EA	1-1/4" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing	.....	24.02	9.66
		For Work In Restricted Working Space, Add	.....	5.79	
		For Elevated Installation >10' To 15', Add	.....	1.93	
		For Elevated Installation >15' To 20', Add	.....	3.86	
		For Elevated Installation >20' To 25', Add	.....	4.83	
		For Elevated Installation >25' To 30', Add	.....	6.76	
		For Elevated Installation >30' To 35', Add	.....	7.72	
		For Elevated Installation >35' To 40', Add	.....	9.65	
		For Elevated Installation >40', Add	.....	10.62	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	.....	5.79	
26 05 33 13-0495	EA	1-1/4" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing	.....	25.09	10.19
		For Work In Restricted Working Space, Add	.....	6.11	
		For Elevated Installation >10' To 15', Add	.....	2.04	
		For Elevated Installation >15' To 20', Add	.....	4.07	
		For Elevated Installation >20' To 25', Add	.....	5.09	
		For Elevated Installation >25' To 30', Add	.....	7.13	
		For Elevated Installation >30' To 35', Add	.....	8.15	
		For Elevated Installation >35' To 40', Add	.....	10.19	
		For Elevated Installation >40', Add	.....	11.20	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	.....	6.11	
26 05 33 13-0496	EA	1-1/2" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	.....	27.17	10.72
		For Work In Restricted Working Space, Add	.....	6.44	
		For Elevated Installation >10' To 15', Add	.....	2.15	
		For Elevated Installation >15' To 20', Add	.....	4.29	
		For Elevated Installation >20' To 25', Add	.....	5.36	
		For Elevated Installation >25' To 30', Add	.....	7.51	
		For Elevated Installation >30' To 35', Add	.....	8.58	
		For Elevated Installation >35' To 40', Add	.....	10.73	
		For Elevated Installation >40', Add	.....	11.80	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	.....	6.44	
26 05 33 13-0497	EA	1-1/2" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing	.....	27.70	10.99
		For Work In Restricted Working Space, Add	.....	6.59	
		For Elevated Installation >10' To 15', Add	.....	2.20	
		For Elevated Installation >15' To 20', Add	.....	4.40	
		For Elevated Installation >20' To 25', Add	.....	5.50	
		For Elevated Installation >25' To 30', Add	.....	7.69	
		For Elevated Installation >30' To 35', Add	.....	8.79	
		For Elevated Installation >35' To 40', Add	.....	10.99	
		For Elevated Installation >40', Add	.....	12.09	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	.....	6.59	
26 05 33 13-0498	EA	1-1/2" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing	.....	28.77	11.53
		For Work In Restricted Working Space, Add	.....	6.92	
		For Elevated Installation >10' To 15', Add	.....	2.31	
		For Elevated Installation >15' To 20', Add	.....	4.61	
		For Elevated Installation >20' To 25', Add	.....	5.76	
		For Elevated Installation >25' To 30', Add	.....	8.07	
		For Elevated Installation >30' To 35', Add	.....	9.22	
		For Elevated Installation >35' To 40', Add	.....	11.53	
		For Elevated Installation >40', Add	.....	12.68	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	.....	6.92	
26 05 33 13-0499	EA	1-1/2" x 1-1/4" Rigid Galvanized Steel (RGS) Reducing Bushing	.....	29.84	12.06
		For Work In Restricted Working Space, Add	.....	7.24	
		For Elevated Installation >10' To 15', Add	.....	2.41	
		For Elevated Installation >15' To 20', Add	.....	4.82	
		For Elevated Installation >20' To 25', Add	.....	6.03	
		For Elevated Installation >25' To 30', Add	.....	8.44	
		For Elevated Installation >30' To 35', Add	.....	9.65	
		For Elevated Installation >35' To 40', Add	.....	12.06	
		For Elevated Installation >40', Add	.....	13.27	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	.....	7.24	
26 05 33 13-0500	EA	2" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	.....	36.68	12.06
		For Work In Restricted Working Space, Add	.....	7.24	
		For Elevated Installation >10' To 15', Add	.....	2.41	
		For Elevated Installation >15' To 20', Add	.....	4.82	
		For Elevated Installation >20' To 25', Add	.....	6.03	
		For Elevated Installation >25' To 30', Add	.....	8.44	
		For Elevated Installation >30' To 35', Add	.....	9.65	
		For Elevated Installation >35' To 40', Add	.....	12.06	
		For Elevated Installation >40', Add	.....	13.27	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	.....	7.24	
26 05 33 13-0501	EA	2" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing	.....	37.22	12.33
		For Work In Restricted Working Space, Add	.....	7.40	
		For Elevated Installation >10' To 15', Add	.....	2.47	
		For Elevated Installation >15' To 20', Add	.....	4.93	
		For Elevated Installation >20' To 25', Add	.....	6.17	
		For Elevated Installation >25' To 30', Add	.....	8.63	
		For Elevated Installation >30' To 35', Add	.....	9.86	
		For Elevated Installation >35' To 40', Add	.....	12.33	
		For Elevated Installation >40', Add	.....	13.56	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	.....	7.40	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-0502	EA	2" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing	38.30	12.86
		For Work In Restricted Working Space, Add	7.72	
		For Elevated Installation >10' To 15', Add	2.57	
		For Elevated Installation >15' To 20', Add	5.15	
		For Elevated Installation >20' To 25', Add	6.44	
		For Elevated Installation >25' To 30', Add	9.01	
		For Elevated Installation >30' To 35', Add	10.30	
		For Elevated Installation >35' To 40', Add	12.87	
		For Elevated Installation >40', Add	14.16	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.72	
26 05 33 13-0503	EA	2" x 1-1/4" Rigid Galvanized Steel (RGS) Reducing Bushing	39.37	13.41
		For Work In Restricted Working Space, Add	8.04	
		For Elevated Installation >10' To 15', Add	2.68	
		For Elevated Installation >15' To 20', Add	5.36	
		For Elevated Installation >20' To 25', Add	6.70	
		For Elevated Installation >25' To 30', Add	9.38	
		For Elevated Installation >30' To 35', Add	10.72	
		For Elevated Installation >35' To 40', Add	13.41	
		For Elevated Installation >40', Add	14.75	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.04	
26 05 33 13-0504	EA	2" x 1-1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	42.05	14.75
		For Work In Restricted Working Space, Add	8.85	
		For Elevated Installation >10' To 15', Add	2.95	
		For Elevated Installation >15' To 20', Add	5.90	
		For Elevated Installation >20' To 25', Add	7.37	
		For Elevated Installation >25' To 30', Add	10.32	
		For Elevated Installation >30' To 35', Add	11.80	
		For Elevated Installation >35' To 40', Add	14.75	
		For Elevated Installation >40', Add	16.22	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.85	
26 05 33 13-0505	EA	2-1/2" x 2" Rigid Galvanized Steel (RGS) Reducing Bushing	53.46	17.43
		For Work In Restricted Working Space, Add	10.46	
		For Elevated Installation >10' To 15', Add	3.49	
		For Elevated Installation >15' To 20', Add	6.97	
		For Elevated Installation >20' To 25', Add	8.71	
		For Elevated Installation >25' To 30', Add	12.20	
		For Elevated Installation >30' To 35', Add	13.94	
		For Elevated Installation >35' To 40', Add	17.43	
		For Elevated Installation >40', Add	19.17	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.46	

26 05 33 13-0506 Rigid Galvanized Steel (RGS) Locknuts (26 05 33 13-0060)

26 05 33 13-0507	EA	1/2" Rigid Galvanized Steel (RGS) Locknuts	2.24	1.07
		For Work In Restricted Working Space, Add	0.65	
		For Elevated Installation >10' To 15', Add	0.22	
		For Elevated Installation >15' To 20', Add	0.43	
		For Elevated Installation >20' To 25', Add	0.54	
		For Elevated Installation >25' To 30', Add	0.75	
		For Elevated Installation >30' To 35', Add	0.86	
		For Elevated Installation >35' To 40', Add	1.08	
		For Elevated Installation >40', Add	1.18	
26 05 33 13-0508	EA	3/4" Rigid Galvanized Steel (RGS) Locknuts	3.35	1.60
		For Work In Restricted Working Space, Add	0.97	
		For Elevated Installation >10' To 15', Add	0.32	
		For Elevated Installation >15' To 20', Add	0.64	
		For Elevated Installation >20' To 25', Add	0.81	
		For Elevated Installation >25' To 30', Add	1.13	
		For Elevated Installation >30' To 35', Add	1.29	
		For Elevated Installation >35' To 40', Add	1.61	
		For Elevated Installation >40', Add	1.77	
26 05 33 13-0509	EA	1" Rigid Galvanized Steel (RGS) Locknuts	5.57	2.68
		For Work In Restricted Working Space, Add	1.61	
		For Elevated Installation >10' To 15', Add	0.54	
		For Elevated Installation >15' To 20', Add	1.07	
		For Elevated Installation >20' To 25', Add	1.34	
		For Elevated Installation >25' To 30', Add	1.88	
		For Elevated Installation >30' To 35', Add	2.14	
		For Elevated Installation >35' To 40', Add	2.68	
		For Elevated Installation >40', Add	2.95	
26 05 33 13-0510	EA	1-1/4" Rigid Galvanized Steel (RGS) Locknuts	7.86	3.75
		For Work In Restricted Working Space, Add	2.25	
		For Elevated Installation >10' To 15', Add	0.75	
		For Elevated Installation >15' To 20', Add	1.50	
		For Elevated Installation >20' To 25', Add	1.88	
		For Elevated Installation >25' To 30', Add	2.63	
		For Elevated Installation >30' To 35', Add	3.00	
		For Elevated Installation >35' To 40', Add	3.76	
		For Elevated Installation >40', Add	4.13	
26 05 33 13-0511	EA	1-1/2" Rigid Galvanized Steel (RGS) Locknuts	9.03	4.29
		For Work In Restricted Working Space, Add	2.57	
		For Elevated Installation >10' To 15', Add	0.86	
		For Elevated Installation >15' To 20', Add	1.72	
		For Elevated Installation >20' To 25', Add	2.15	
		For Elevated Installation >25' To 30', Add	3.00	
		For Elevated Installation >30' To 35', Add	3.43	
		For Elevated Installation >35' To 40', Add	4.29	
		For Elevated Installation >40', Add	4.72	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0512	EA	2" Rigid Galvanized Steel (RGS) Locknuts.....	10.22	4.82
		For Work In Restricted Working Space, Add	2.90	
		For Elevated Installation >10' To 15', Add	0.97	
		For Elevated Installation >15' To 20', Add	1.93	
		For Elevated Installation >20' To 25', Add	2.42	
		For Elevated Installation >25' To 30', Add	3.38	
		For Elevated Installation >30' To 35', Add	3.86	
		For Elevated Installation >35' To 40', Add	4.83	
		For Elevated Installation >40', Add	5.31	
26 05 33 13-0513	EA	2-1/2" Rigid Galvanized Steel (RGS) Locknuts.....	14.35	6.44
		For Work In Restricted Working Space, Add	3.86	
		For Elevated Installation >10' To 15', Add	1.29	
		For Elevated Installation >15' To 20', Add	2.57	
		For Elevated Installation >20' To 25', Add	3.22	
		For Elevated Installation >25' To 30', Add	4.50	
		For Elevated Installation >30' To 35', Add	5.14	
		For Elevated Installation >35' To 40', Add	6.43	
		For Elevated Installation >40', Add	7.07	
26 05 33 13-0514	EA	3" Rigid Galvanized Steel (RGS) Locknuts.....	17.72	8.04
		For Work In Restricted Working Space, Add	4.82	
		For Elevated Installation >10' To 15', Add	1.61	
		For Elevated Installation >15' To 20', Add	3.22	
		For Elevated Installation >20' To 25', Add	4.02	
		For Elevated Installation >25' To 30', Add	5.63	
		For Elevated Installation >30' To 35', Add	6.43	
		For Elevated Installation >35' To 40', Add	8.04	
		For Elevated Installation >40', Add	8.84	
26 05 33 13-0515	EA	3-1/2" Rigid Galvanized Steel (RGS) Locknuts.....	20.96	9.11
		For Work In Restricted Working Space, Add	5.47	
		For Elevated Installation >10' To 15', Add	1.82	
		For Elevated Installation >15' To 20', Add	3.65	
		For Elevated Installation >20' To 25', Add	4.56	
		For Elevated Installation >25' To 30', Add	6.38	
		For Elevated Installation >30' To 35', Add	7.29	
		For Elevated Installation >35' To 40', Add	9.12	
		For Elevated Installation >40', Add	10.03	
26 05 33 13-0516	EA	4" Rigid Galvanized Steel (RGS) Locknuts.....	23.51	10.19
		For Work In Restricted Working Space, Add	6.11	
		For Elevated Installation >10' To 15', Add	2.04	
		For Elevated Installation >15' To 20', Add	4.07	
		For Elevated Installation >20' To 25', Add	5.09	
		For Elevated Installation >25' To 30', Add	7.13	
		For Elevated Installation >30' To 35', Add	8.15	
		For Elevated Installation >35' To 40', Add	10.19	
		For Elevated Installation >40', Add	11.20	
26 05 33 13-0517		Rigid Galvanized Steel (RGS) Grounding Locknuts (26 05 33 13-0060)		
26 05 33 13-0518	EA	1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts.....	3.51	1.07
		For Work In Restricted Working Space, Add	0.65	
		For Elevated Installation >10' To 15', Add	0.22	
		For Elevated Installation >15' To 20', Add	0.43	
		For Elevated Installation >20' To 25', Add	0.54	
		For Elevated Installation >25' To 30', Add	0.75	
		For Elevated Installation >30' To 35', Add	0.86	
		For Elevated Installation >35' To 40', Add	1.08	
		For Elevated Installation >40', Add	1.18	
26 05 33 13-0519	EA	3/4" Rigid Galvanized Steel (RGS) Grounding Locknuts.....	4.85	1.60
		For Work In Restricted Working Space, Add	0.97	
		For Elevated Installation >10' To 15', Add	0.32	
		For Elevated Installation >15' To 20', Add	0.64	
		For Elevated Installation >20' To 25', Add	0.81	
		For Elevated Installation >25' To 30', Add	1.13	
		For Elevated Installation >30' To 35', Add	1.29	
		For Elevated Installation >35' To 40', Add	1.61	
		For Elevated Installation >40', Add	1.77	
26 05 33 13-0520	EA	1" Rigid Galvanized Steel (RGS) Grounding Locknuts.....	7.70	2.68
		For Work In Restricted Working Space, Add	1.61	
		For Elevated Installation >10' To 15', Add	0.54	
		For Elevated Installation >15' To 20', Add	1.07	
		For Elevated Installation >20' To 25', Add	1.34	
		For Elevated Installation >25' To 30', Add	1.88	
		For Elevated Installation >30' To 35', Add	2.14	
		For Elevated Installation >35' To 40', Add	2.68	
		For Elevated Installation >40', Add	2.95	
26 05 33 13-0521	EA	1-1/4" Rigid Galvanized Steel (RGS) Grounding Locknuts.....	10.76	3.75
		For Work In Restricted Working Space, Add	2.25	
		For Elevated Installation >10' To 15', Add	0.75	
		For Elevated Installation >15' To 20', Add	1.50	
		For Elevated Installation >20' To 25', Add	1.88	
		For Elevated Installation >25' To 30', Add	2.63	
		For Elevated Installation >30' To 35', Add	3.00	
		For Elevated Installation >35' To 40', Add	3.76	
		For Elevated Installation >40', Add	4.13	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-0522	EA	1-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts	12.14	4.29
		For Work In Restricted Working Space, Add	2.57	
		For Elevated Installation >10' To 15', Add	0.86	
		For Elevated Installation >15' To 20', Add	1.72	
		For Elevated Installation >20' To 25', Add	2.15	
		For Elevated Installation >25' To 30', Add	3.00	
		For Elevated Installation >30' To 35', Add	3.43	
		For Elevated Installation >35' To 40', Add	4.29	
		For Elevated Installation >40', Add	4.72	
26 05 33 13-0523	EA	2" Rigid Galvanized Steel (RGS) Grounding Locknuts	14.31	4.82
		For Work In Restricted Working Space, Add	2.90	
		For Elevated Installation >10' To 15', Add	0.97	
		For Elevated Installation >15' To 20', Add	1.93	
		For Elevated Installation >20' To 25', Add	2.42	
		For Elevated Installation >25' To 30', Add	3.38	
		For Elevated Installation >30' To 35', Add	3.86	
		For Elevated Installation >35' To 40', Add	4.83	
		For Elevated Installation >40', Add	5.31	
26 05 33 13-0524	EA	2-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts	21.49	6.44
		For Work In Restricted Working Space, Add	3.86	
		For Elevated Installation >10' To 15', Add	1.29	
		For Elevated Installation >15' To 20', Add	2.57	
		For Elevated Installation >20' To 25', Add	3.22	
		For Elevated Installation >25' To 30', Add	4.50	
		For Elevated Installation >30' To 35', Add	5.14	
		For Elevated Installation >35' To 40', Add	6.43	
		For Elevated Installation >40', Add	7.07	
26 05 33 13-0525	EA	3" Rigid Galvanized Steel (RGS) Grounding Locknuts	27.04	8.04
		For Work In Restricted Working Space, Add	4.82	
		For Elevated Installation >10' To 15', Add	1.61	
		For Elevated Installation >15' To 20', Add	3.22	
		For Elevated Installation >20' To 25', Add	4.02	
		For Elevated Installation >25' To 30', Add	5.63	
		For Elevated Installation >30' To 35', Add	6.43	
		For Elevated Installation >35' To 40', Add	8.04	
		For Elevated Installation >40', Add	8.84	
26 05 33 13-0526	EA	3-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts	36.02	9.11
		For Work In Restricted Working Space, Add	5.47	
		For Elevated Installation >10' To 15', Add	1.82	
		For Elevated Installation >15' To 20', Add	3.65	
		For Elevated Installation >20' To 25', Add	4.56	
		For Elevated Installation >25' To 30', Add	6.38	
		For Elevated Installation >30' To 35', Add	7.29	
		For Elevated Installation >35' To 40', Add	9.12	
		For Elevated Installation >40', Add	10.03	
26 05 33 13-0527	EA	4" Rigid Galvanized Steel (RGS) Grounding Locknuts	43.32	10.19
		For Work In Restricted Working Space, Add	6.11	
		For Elevated Installation >10' To 15', Add	2.04	
		For Elevated Installation >15' To 20', Add	4.07	
		For Elevated Installation >20' To 25', Add	5.09	
		For Elevated Installation >25' To 30', Add	7.13	
		For Elevated Installation >30' To 35', Add	8.15	
		For Elevated Installation >35' To 40', Add	10.19	
		For Elevated Installation >40', Add	11.20	

26 05 33 13-0528 Rigid Galvanized Steel (RGS) Insulated Ground Bushing (26 05 33 13-0060)

26 05 33 13-0529	EA	1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	9.84	3.22
		For Work In Restricted Working Space, Add	1.93	
		For Elevated Installation >10' To 15', Add	0.64	
		For Elevated Installation >15' To 20', Add	1.29	
		For Elevated Installation >20' To 25', Add	1.61	
		For Elevated Installation >25' To 30', Add	2.25	
		For Elevated Installation >30' To 35', Add	2.58	
		For Elevated Installation >35' To 40', Add	3.22	
		For Elevated Installation >40', Add	3.54	
26 05 33 13-0530	EA	3/4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	12.28	4.29
		For Work In Restricted Working Space, Add	2.57	
		For Elevated Installation >10' To 15', Add	0.86	
		For Elevated Installation >15' To 20', Add	1.72	
		For Elevated Installation >20' To 25', Add	2.15	
		For Elevated Installation >25' To 30', Add	3.00	
		For Elevated Installation >30' To 35', Add	3.43	
		For Elevated Installation >35' To 40', Add	4.29	
		For Elevated Installation >40', Add	4.72	
26 05 33 13-0531	EA	1" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	15.70	5.36
		For Work In Restricted Working Space, Add	3.22	
		For Elevated Installation >10' To 15', Add	1.07	
		For Elevated Installation >15' To 20', Add	2.14	
		For Elevated Installation >20' To 25', Add	2.68	
		For Elevated Installation >25' To 30', Add	3.75	
		For Elevated Installation >30' To 35', Add	4.29	
		For Elevated Installation >35' To 40', Add	5.36	
		For Elevated Installation >40', Add	5.90	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0532	EA	1-1/4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing.....	22.71	8.58
		For Work In Restricted Working Space, Add	5.15	
		For Elevated Installation >10' To 15', Add	1.72	
		For Elevated Installation >15' To 20', Add	3.43	
		For Elevated Installation >20' To 25', Add	4.29	
		For Elevated Installation >25' To 30', Add	6.00	
		For Elevated Installation >30' To 35', Add	6.86	
		For Elevated Installation >35' To 40', Add	8.58	
		For Elevated Installation >40', Add	9.43	
26 05 33 13-0533	EA	1-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing.....	25.59	9.66
		For Work In Restricted Working Space, Add	5.79	
		For Elevated Installation >10' To 15', Add	1.93	
		For Elevated Installation >15' To 20', Add	3.86	
		For Elevated Installation >20' To 25', Add	4.83	
		For Elevated Installation >25' To 30', Add	6.76	
		For Elevated Installation >30' To 35', Add	7.72	
		For Elevated Installation >35' To 40', Add	9.65	
		For Elevated Installation >40', Add	10.62	
26 05 33 13-0534	EA	2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing.....	29.16	10.72
		For Work In Restricted Working Space, Add	6.44	
		For Elevated Installation >10' To 15', Add	2.15	
		For Elevated Installation >15' To 20', Add	4.29	
		For Elevated Installation >20' To 25', Add	5.36	
		For Elevated Installation >25' To 30', Add	7.51	
		For Elevated Installation >30' To 35', Add	8.58	
		For Elevated Installation >35' To 40', Add	10.73	
		For Elevated Installation >40', Add	11.80	
26 05 33 13-0535	EA	2-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing.....	40.64	12.86
		For Work In Restricted Working Space, Add	7.72	
		For Elevated Installation >10' To 15', Add	2.57	
		For Elevated Installation >15' To 20', Add	5.15	
		For Elevated Installation >20' To 25', Add	6.44	
		For Elevated Installation >25' To 30', Add	9.01	
		For Elevated Installation >30' To 35', Add	10.30	
		For Elevated Installation >35' To 40', Add	12.87	
		For Elevated Installation >40', Add	14.16	
26 05 33 13-0536	EA	3" Rigid Galvanized Steel (RGS) Insulated Ground Bushing.....	49.23	16.08
		For Work In Restricted Working Space, Add	9.65	
		For Elevated Installation >10' To 15', Add	3.22	
		For Elevated Installation >15' To 20', Add	6.43	
		For Elevated Installation >20' To 25', Add	8.04	
		For Elevated Installation >25' To 30', Add	11.26	
		For Elevated Installation >30' To 35', Add	12.86	
		For Elevated Installation >35' To 40', Add	16.08	
		For Elevated Installation >40', Add	17.69	
26 05 33 13-0537	EA	3-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing.....	60.52	21.45
		For Work In Restricted Working Space, Add	12.87	
		For Elevated Installation >10' To 15', Add	4.29	
		For Elevated Installation >15' To 20', Add	8.58	
		For Elevated Installation >20' To 25', Add	10.72	
		For Elevated Installation >25' To 30', Add	15.01	
		For Elevated Installation >30' To 35', Add	17.16	
		For Elevated Installation >35' To 40', Add	21.45	
		For Elevated Installation >40', Add	23.59	
26 05 33 13-0538	EA	4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing.....	73.54	26.81
		For Work In Restricted Working Space, Add	16.08	
		For Elevated Installation >10' To 15', Add	5.36	
		For Elevated Installation >15' To 20', Add	10.72	
		For Elevated Installation >20' To 25', Add	13.40	
		For Elevated Installation >25' To 30', Add	18.76	
		For Elevated Installation >30' To 35', Add	21.44	
		For Elevated Installation >35' To 40', Add	26.81	
		For Elevated Installation >40', Add	29.49	
26 05 33 13-0539		Rigid Galvanized Steel (RGS) Threadless Compression Connectors (26 05 33 13-0000)		
26 05 33 13-0540	EA	1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors.....	22.92	9.66
		For Work In Restricted Working Space, Add	5.79	
		For Elevated Installation >10' To 15', Add	1.93	
		For Elevated Installation >15' To 20', Add	3.86	
		For Elevated Installation >20' To 25', Add	4.83	
		For Elevated Installation >25' To 30', Add	6.76	
		For Elevated Installation >30' To 35', Add	7.72	
		For Elevated Installation >35' To 40', Add	9.65	
		For Elevated Installation >40', Add	10.62	
26 05 33 13-0541	EA	3/4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors.....	27.28	10.72
		For Work In Restricted Working Space, Add	6.44	
		For Elevated Installation >10' To 15', Add	2.15	
		For Elevated Installation >15' To 20', Add	4.29	
		For Elevated Installation >20' To 25', Add	5.36	
		For Elevated Installation >25' To 30', Add	7.51	
		For Elevated Installation >30' To 35', Add	8.58	
		For Elevated Installation >35' To 40', Add	10.73	
		For Elevated Installation >40', Add	11.80	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-0542	EA	1" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	35.91	13.41
		For Work In Restricted Working Space, Add	8.04	
		For Elevated Installation >10' To 15', Add	2.68	
		For Elevated Installation >15' To 20', Add	5.36	
		For Elevated Installation >20' To 25', Add	6.70	
		For Elevated Installation >25' To 30', Add	9.38	
		For Elevated Installation >30' To 35', Add	10.72	
		For Elevated Installation >35' To 40', Add	13.41	
		For Elevated Installation >40', Add	14.75	
26 05 33 13-0543	EA	1-1/4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	49.29	16.08
		For Work In Restricted Working Space, Add	9.65	
		For Elevated Installation >10' To 15', Add	3.22	
		For Elevated Installation >15' To 20', Add	6.43	
		For Elevated Installation >20' To 25', Add	8.04	
		For Elevated Installation >25' To 30', Add	11.26	
		For Elevated Installation >30' To 35', Add	12.86	
		For Elevated Installation >35' To 40', Add	16.08	
		For Elevated Installation >40', Add	17.69	
26 05 33 13-0544	EA	1-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	66.61	21.45
		For Work In Restricted Working Space, Add	12.87	
		For Elevated Installation >10' To 15', Add	4.29	
		For Elevated Installation >15' To 20', Add	8.58	
		For Elevated Installation >20' To 25', Add	10.72	
		For Elevated Installation >25' To 30', Add	15.01	
		For Elevated Installation >30' To 35', Add	17.16	
		For Elevated Installation >35' To 40', Add	21.45	
		For Elevated Installation >40', Add	23.59	
26 05 33 13-0545	EA	2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	99.13	26.81
		For Work In Restricted Working Space, Add	16.08	
		For Elevated Installation >10' To 15', Add	5.36	
		For Elevated Installation >15' To 20', Add	10.72	
		For Elevated Installation >20' To 25', Add	13.40	
		For Elevated Installation >25' To 30', Add	18.76	
		For Elevated Installation >30' To 35', Add	21.44	
		For Elevated Installation >35' To 40', Add	26.81	
		For Elevated Installation >40', Add	29.49	
26 05 33 13-0546	EA	2-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	169.34	32.16
		For Work In Restricted Working Space, Add	19.30	
		For Elevated Installation >10' To 15', Add	6.43	
		For Elevated Installation >15' To 20', Add	12.87	
		For Elevated Installation >20' To 25', Add	16.09	
		For Elevated Installation >25' To 30', Add	22.52	
		For Elevated Installation >30' To 35', Add	25.74	
		For Elevated Installation >35' To 40', Add	32.17	
		For Elevated Installation >40', Add	35.39	
26 05 33 13-0547	EA	3" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	214.27	37.53
		For Work In Restricted Working Space, Add	22.52	
		For Elevated Installation >10' To 15', Add	7.51	
		For Elevated Installation >15' To 20', Add	15.01	
		For Elevated Installation >20' To 25', Add	18.77	
		For Elevated Installation >25' To 30', Add	26.27	
		For Elevated Installation >30' To 35', Add	30.02	
		For Elevated Installation >35' To 40', Add	37.53	
		For Elevated Installation >40', Add	41.28	
26 05 33 13-0548	EA	3-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	273.07	45.57
		For Work In Restricted Working Space, Add	27.35	
		For Elevated Installation >10' To 15', Add	9.12	
		For Elevated Installation >15' To 20', Add	18.23	
		For Elevated Installation >20' To 25', Add	22.79	
		For Elevated Installation >25' To 30', Add	31.90	
		For Elevated Installation >30' To 35', Add	36.46	
		For Elevated Installation >35' To 40', Add	45.58	
		For Elevated Installation >40', Add	50.13	
26 05 33 13-0549	EA	4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	329.94	53.61
		For Work In Restricted Working Space, Add	32.17	
		For Elevated Installation >10' To 15', Add	10.72	
		For Elevated Installation >15' To 20', Add	21.45	
		For Elevated Installation >20' To 25', Add	26.81	
		For Elevated Installation >25' To 30', Add	37.53	
		For Elevated Installation >30' To 35', Add	42.89	
		For Elevated Installation >35' To 40', Add	53.62	
		For Elevated Installation >40', Add	58.98	

26 05 33 13-0550 Rigid Galvanized Steel (RGS) Compression Coupling (26 05 33 13-0060)

26 05 33 13-0551	EA	1/2" Rigid Galvanized Steel (RGS) Compression Coupling	32.65	13.41
		For Work In Restricted Working Space, Add	8.04	
		For Elevated Installation >10' To 15', Add	2.68	
		For Elevated Installation >15' To 20', Add	5.36	
		For Elevated Installation >20' To 25', Add	6.70	
		For Elevated Installation >25' To 30', Add	9.38	
		For Elevated Installation >30' To 35', Add	10.72	
		For Elevated Installation >35' To 40', Add	13.41	
		For Elevated Installation >40', Add	14.75	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0552	EA	3/4" Rigid Galvanized Steel (RGS) Compression Coupling	41.52	16.08
		For Work In Restricted Working Space, Add	9.65	
		For Elevated Installation >10' To 15', Add	3.22	
		For Elevated Installation >15' To 20', Add	6.43	
		For Elevated Installation >20' To 25', Add	8.04	
		For Elevated Installation >25' To 30', Add	11.26	
		For Elevated Installation >30' To 35', Add	12.86	
		For Elevated Installation >35' To 40', Add	16.08	
		For Elevated Installation >40', Add	17.69	
26 05 33 13-0553	EA	1" Rigid Galvanized Steel (RGS) Compression Coupling	59.22	21.45
		For Work In Restricted Working Space, Add	12.87	
		For Elevated Installation >10' To 15', Add	4.29	
		For Elevated Installation >15' To 20', Add	8.58	
		For Elevated Installation >20' To 25', Add	10.72	
		For Elevated Installation >25' To 30', Add	15.01	
		For Elevated Installation >30' To 35', Add	17.16	
		For Elevated Installation >35' To 40', Add	21.45	
		For Elevated Installation >40', Add	23.59	
26 05 33 13-0554	EA	1-1/4" Rigid Galvanized Steel (RGS) Compression Coupling	77.79	26.81
		For Work In Restricted Working Space, Add	16.08	
		For Elevated Installation >10' To 15', Add	5.36	
		For Elevated Installation >15' To 20', Add	10.72	
		For Elevated Installation >20' To 25', Add	13.40	
		For Elevated Installation >25' To 30', Add	18.76	
		For Elevated Installation >30' To 35', Add	21.44	
		For Elevated Installation >35' To 40', Add	26.81	
		For Elevated Installation >40', Add	29.49	
26 05 33 13-0555	EA	1-1/2" Rigid Galvanized Steel (RGS) Compression Coupling	95.81	32.16
		For Work In Restricted Working Space, Add	19.30	
		For Elevated Installation >10' To 15', Add	6.43	
		For Elevated Installation >15' To 20', Add	12.87	
		For Elevated Installation >20' To 25', Add	16.09	
		For Elevated Installation >25' To 30', Add	22.52	
		For Elevated Installation >30' To 35', Add	25.74	
		For Elevated Installation >35' To 40', Add	32.17	
		For Elevated Installation >40', Add	35.39	
26 05 33 13-0556	EA	2" Rigid Galvanized Steel (RGS) Compression Coupling	143.90	37.53
		For Work In Restricted Working Space, Add	22.52	
		For Elevated Installation >10' To 15', Add	7.51	
		For Elevated Installation >15' To 20', Add	15.01	
		For Elevated Installation >20' To 25', Add	18.77	
		For Elevated Installation >25' To 30', Add	26.27	
		For Elevated Installation >30' To 35', Add	30.02	
		For Elevated Installation >35' To 40', Add	37.53	
		For Elevated Installation >40', Add	41.28	
26 05 33 13-0557	EA	2-1/2" Rigid Galvanized Steel (RGS) Compression Coupling	230.78	42.89
		For Work In Restricted Working Space, Add	25.73	
		For Elevated Installation >10' To 15', Add	8.58	
		For Elevated Installation >15' To 20', Add	17.16	
		For Elevated Installation >20' To 25', Add	21.45	
		For Elevated Installation >25' To 30', Add	30.02	
		For Elevated Installation >30' To 35', Add	34.31	
		For Elevated Installation >35' To 40', Add	42.89	
		For Elevated Installation >40', Add	47.18	
26 05 33 13-0558	EA	3" Rigid Galvanized Steel (RGS) Compression Coupling	266.09	37.00
		For Work In Restricted Working Space, Add	22.20	
		For Elevated Installation >10' To 15', Add	7.40	
		For Elevated Installation >15' To 20', Add	14.80	
		For Elevated Installation >20' To 25', Add	18.50	
		For Elevated Installation >25' To 30', Add	25.90	
		For Elevated Installation >30' To 35', Add	29.60	
		For Elevated Installation >35' To 40', Add	37.00	
		For Elevated Installation >40', Add	40.69	
26 05 33 13-0559	EA	3-1/2" Rigid Galvanized Steel (RGS) Compression Coupling	365.49	56.30
		For Work In Restricted Working Space, Add	33.78	
		For Elevated Installation >10' To 15', Add	11.26	
		For Elevated Installation >15' To 20', Add	22.52	
		For Elevated Installation >20' To 25', Add	28.15	
		For Elevated Installation >25' To 30', Add	39.41	
		For Elevated Installation >30' To 35', Add	45.04	
		For Elevated Installation >35' To 40', Add	56.30	
		For Elevated Installation >40', Add	61.93	
26 05 33 13-0560	EA	4" Rigid Galvanized Steel (RGS) Compression Coupling	452.27	64.34
		For Work In Restricted Working Space, Add	38.60	
		For Elevated Installation >10' To 15', Add	12.87	
		For Elevated Installation >15' To 20', Add	25.74	
		For Elevated Installation >20' To 25', Add	32.17	
		For Elevated Installation >25' To 30', Add	45.04	
		For Elevated Installation >30' To 35', Add	51.47	
		For Elevated Installation >35' To 40', Add	64.34	
		For Elevated Installation >40', Add	70.77	

26 05 33 13-0561 Zinc Plated Steel Snap-in Knock Out Seal (26 05 33 13-0060)

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-0562	EA	1/2" Zinc Plated Steel Snap-in Knock Out Seal	5.65	2.68
		For Work In Restricted Working Space, Add	1.61	
		For Elevated Installation >10' To 15', Add	0.54	
		For Elevated Installation >15' To 20', Add	1.07	
		For Elevated Installation >20' To 25', Add	1.34	
		For Elevated Installation >25' To 30', Add	1.88	
		For Elevated Installation >30' To 35', Add	2.14	
		For Elevated Installation >35' To 40', Add	2.68	
		For Elevated Installation >40', Add	2.95	
26 05 33 13-0563	EA	3/4" Zinc Plated Steel Snap-in Knock Out Seal	6.82	3.22
		For Work In Restricted Working Space, Add	1.93	
		For Elevated Installation >10' To 15', Add	0.64	
		For Elevated Installation >15' To 20', Add	1.29	
		For Elevated Installation >20' To 25', Add	1.61	
		For Elevated Installation >25' To 30', Add	2.25	
		For Elevated Installation >30' To 35', Add	2.58	
		For Elevated Installation >35' To 40', Add	3.22	
		For Elevated Installation >40', Add	3.54	
26 05 33 13-0564	EA	1" Zinc Plated Steel Snap-in Knock Out Seal	8.11	3.75
		For Work In Restricted Working Space, Add	2.25	
		For Elevated Installation >10' To 15', Add	0.75	
		For Elevated Installation >15' To 20', Add	1.50	
		For Elevated Installation >20' To 25', Add	1.88	
		For Elevated Installation >25' To 30', Add	2.63	
		For Elevated Installation >30' To 35', Add	3.00	
		For Elevated Installation >35' To 40', Add	3.76	
		For Elevated Installation >40', Add	4.13	
26 05 33 13-0565	EA	1-1/4" Zinc Plated Steel Snap-in Knock Out Seal	10.45	4.82
		For Work In Restricted Working Space, Add	2.90	
		For Elevated Installation >10' To 15', Add	0.97	
		For Elevated Installation >15' To 20', Add	1.93	
		For Elevated Installation >20' To 25', Add	2.42	
		For Elevated Installation >25' To 30', Add	3.38	
		For Elevated Installation >30' To 35', Add	3.86	
		For Elevated Installation >35' To 40', Add	4.83	
		For Elevated Installation >40', Add	5.31	
26 05 33 13-0566	EA	1-1/2" Zinc Plated Steel Snap-in Knock Out Seal	11.82	5.36
		For Work In Restricted Working Space, Add	3.22	
		For Elevated Installation >10' To 15', Add	1.07	
		For Elevated Installation >15' To 20', Add	2.14	
		For Elevated Installation >20' To 25', Add	2.68	
		For Elevated Installation >25' To 30', Add	3.75	
		For Elevated Installation >30' To 35', Add	4.29	
		For Elevated Installation >35' To 40', Add	5.36	
		For Elevated Installation >40', Add	5.90	
26 05 33 13-0567	EA	2" Zinc Plated Steel Snap-in Knock Out Seal	14.40	6.44
		For Work In Restricted Working Space, Add	3.86	
		For Elevated Installation >10' To 15', Add	1.29	
		For Elevated Installation >15' To 20', Add	2.57	
		For Elevated Installation >20' To 25', Add	3.22	
		For Elevated Installation >25' To 30', Add	4.50	
		For Elevated Installation >30' To 35', Add	5.14	
		For Elevated Installation >35' To 40', Add	6.43	
		For Elevated Installation >40', Add	7.07	
26 05 33 13-0568		Zinc Plated Steel 3-Piece Knock Out Seal (26 05 33 13-0060)		
26 05 33 13-0569	EA	1/2" Zinc Plated Steel 3-Piece Knock Out Seal	7.09	2.68
		For Work In Restricted Working Space, Add	1.61	
		For Elevated Installation >10' To 15', Add	0.54	
		For Elevated Installation >15' To 20', Add	1.07	
		For Elevated Installation >20' To 25', Add	1.34	
		For Elevated Installation >25' To 30', Add	1.88	
		For Elevated Installation >30' To 35', Add	2.14	
		For Elevated Installation >35' To 40', Add	2.68	
		For Elevated Installation >40', Add	2.95	
26 05 33 13-0570	EA	3/4" Zinc Plated Steel 3-Piece Knock Out Seal	8.45	3.22
		For Work In Restricted Working Space, Add	1.93	
		For Elevated Installation >10' To 15', Add	0.64	
		For Elevated Installation >15' To 20', Add	1.29	
		For Elevated Installation >20' To 25', Add	1.61	
		For Elevated Installation >25' To 30', Add	2.25	
		For Elevated Installation >30' To 35', Add	2.58	
		For Elevated Installation >35' To 40', Add	3.22	
		For Elevated Installation >40', Add	3.54	
26 05 33 13-0571	EA	1" Zinc Plated Steel 3-Piece Knock Out Seal	10.29	3.75
		For Work In Restricted Working Space, Add	2.25	
		For Elevated Installation >10' To 15', Add	0.75	
		For Elevated Installation >15' To 20', Add	1.50	
		For Elevated Installation >20' To 25', Add	1.88	
		For Elevated Installation >25' To 30', Add	2.63	
		For Elevated Installation >30' To 35', Add	3.00	
		For Elevated Installation >35' To 40', Add	3.76	
		For Elevated Installation >40', Add	4.13	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
26 05 33 13-0572	EA	1-1/4"	Zinc Plated Steel 3-Piece Knock Out Seal	13.23	4.82
			For Work In Restricted Working Space, Add	2.90	
			For Elevated Installation >10' To 15', Add	0.97	
			For Elevated Installation >15' To 20', Add	1.93	
			For Elevated Installation >20' To 25', Add	2.42	
			For Elevated Installation >25' To 30', Add	3.38	
			For Elevated Installation >30' To 35', Add	3.86	
			For Elevated Installation >35' To 40', Add	4.83	
			For Elevated Installation >40', Add	5.31	
26 05 33 13-0573	EA	1-1/2"	Zinc Plated Steel 3-Piece Knock Out Seal	16.42	5.36
			For Work In Restricted Working Space, Add	3.22	
			For Elevated Installation >10' To 15', Add	1.07	
			For Elevated Installation >15' To 20', Add	2.14	
			For Elevated Installation >20' To 25', Add	2.68	
			For Elevated Installation >25' To 30', Add	3.75	
			For Elevated Installation >30' To 35', Add	4.29	
			For Elevated Installation >35' To 40', Add	5.36	
			For Elevated Installation >40', Add	5.90	
26 05 33 13-0574	EA	2"	Zinc Plated Steel 3-Piece Knock Out Seal	19.87	6.44
			For Work In Restricted Working Space, Add	3.86	
			For Elevated Installation >10' To 15', Add	1.29	
			For Elevated Installation >15' To 20', Add	2.57	
			For Elevated Installation >20' To 25', Add	3.22	
			For Elevated Installation >25' To 30', Add	4.50	
			For Elevated Installation >30' To 35', Add	5.14	
			For Elevated Installation >35' To 40', Add	6.43	
			For Elevated Installation >40', Add	7.07	
26 05 33 13-0575	EA	2-1/2"	Zinc Plated Steel 3-Piece Knock Out Seal	24.34	8.04
			For Work In Restricted Working Space, Add	4.82	
			For Elevated Installation >10' To 15', Add	1.61	
			For Elevated Installation >15' To 20', Add	3.22	
			For Elevated Installation >20' To 25', Add	4.02	
			For Elevated Installation >25' To 30', Add	5.63	
			For Elevated Installation >30' To 35', Add	6.43	
			For Elevated Installation >35' To 40', Add	8.04	
			For Elevated Installation >40', Add	8.84	
26 05 33 13-0576	EA	3"	Zinc Plated Steel 3-Piece Knock Out Seal	28.54	9.11
			For Work In Restricted Working Space, Add	5.47	
			For Elevated Installation >10' To 15', Add	1.82	
			For Elevated Installation >15' To 20', Add	3.65	
			For Elevated Installation >20' To 25', Add	4.56	
			For Elevated Installation >25' To 30', Add	6.38	
			For Elevated Installation >30' To 35', Add	7.29	
			For Elevated Installation >35' To 40', Add	9.12	
			For Elevated Installation >40', Add	10.03	
26 05 33 13-0577	EA	3-1/2"	Zinc Plated Steel 3-Piece Knock Out Seal	34.89	10.19
			For Work In Restricted Working Space, Add	6.11	
			For Elevated Installation >10' To 15', Add	2.04	
			For Elevated Installation >15' To 20', Add	4.07	
			For Elevated Installation >20' To 25', Add	5.09	
			For Elevated Installation >25' To 30', Add	7.13	
			For Elevated Installation >30' To 35', Add	8.15	
			For Elevated Installation >35' To 40', Add	10.19	
			For Elevated Installation >40', Add	11.20	
26 05 33 13-0578	EA	4"	Zinc Plated Steel 3-Piece Knock Out Seal	41.15	11.26
			For Work In Restricted Working Space, Add	6.76	
			For Elevated Installation >10' To 15', Add	2.25	
			For Elevated Installation >15' To 20', Add	4.50	
			For Elevated Installation >20' To 25', Add	5.63	
			For Elevated Installation >25' To 30', Add	7.88	
			For Elevated Installation >30' To 35', Add	9.01	
			For Elevated Installation >35' To 40', Add	11.26	
			For Elevated Installation >40', Add	12.39	
26 05 33 13-0579			Rigid Galvanized Steel (RGS) Chase Nipples (26 05 33 13-0060)		
26 05 33 13-0580	EA	1/2"	Rigid Galvanized Steel (RGS) Chase Nipple.....	13.30	6.44
			For Work In Restricted Working Space, Add	3.86	
			For Elevated Installation >10' To 15', Add	1.29	
			For Elevated Installation >15' To 20', Add	2.57	
			For Elevated Installation >20' To 25', Add	3.22	
			For Elevated Installation >25' To 30', Add	4.50	
			For Elevated Installation >30' To 35', Add	5.14	
			For Elevated Installation >35' To 40', Add	6.43	
			For Elevated Installation >40', Add	7.07	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.86	
26 05 33 13-0581	EA	3/4"	Rigid Galvanized Steel (RGS) Chase Nipple.....	15.75	7.51
			For Work In Restricted Working Space, Add	4.50	
			For Elevated Installation >10' To 15', Add	1.50	
			For Elevated Installation >15' To 20', Add	3.00	
			For Elevated Installation >20' To 25', Add	3.75	
			For Elevated Installation >25' To 30', Add	5.25	
			For Elevated Installation >30' To 35', Add	6.00	
			For Elevated Installation >35' To 40', Add	7.51	
			For Elevated Installation >40', Add	8.26	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.50	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 13-0582	EA 1" Rigid Galvanized Steel (RGS) Chase Nipple.....	19.84	9.11
	For Work In Restricted Working Space, Add	5.47	
	For Elevated Installation >10' To 15', Add	1.82	
	For Elevated Installation >15' To 20', Add	3.65	
	For Elevated Installation >20' To 25', Add	4.56	
	For Elevated Installation >25' To 30', Add	6.38	
	For Elevated Installation >30' To 35', Add	7.29	
	For Elevated Installation >35' To 40', Add	9.12	
	For Elevated Installation >40', Add	10.03	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.47	
26 05 33 13-0583	EA 1-1/4" Rigid Galvanized Steel (RGS) Chase Nipple.....	24.25	10.72
	For Work In Restricted Working Space, Add	6.44	
	For Elevated Installation >10' To 15', Add	2.15	
	For Elevated Installation >15' To 20', Add	4.29	
	For Elevated Installation >20' To 25', Add	5.36	
	For Elevated Installation >25' To 30', Add	7.51	
	For Elevated Installation >30' To 35', Add	8.58	
	For Elevated Installation >35' To 40', Add	10.73	
	For Elevated Installation >40', Add	11.80	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.44	
26 05 33 13-0584	EA 2" Rigid Galvanized Steel (RGS) Chase Nipple.....	30.41	13.41
	For Work In Restricted Working Space, Add	8.04	
	For Elevated Installation >10' To 15', Add	2.68	
	For Elevated Installation >15' To 20', Add	5.36	
	For Elevated Installation >20' To 25', Add	6.70	
	For Elevated Installation >25' To 30', Add	9.38	
	For Elevated Installation >30' To 35', Add	10.72	
	For Elevated Installation >35' To 40', Add	13.41	
	For Elevated Installation >40', Add	14.75	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.04	
26 05 33 13-0585	EA 2" Rigid Galvanized Steel (RGS) Chase Nipple.....	38.01	16.08
	For Work In Restricted Working Space, Add	9.65	
	For Elevated Installation >10' To 15', Add	3.22	
	For Elevated Installation >15' To 20', Add	6.43	
	For Elevated Installation >20' To 25', Add	8.04	
	For Elevated Installation >25' To 30', Add	11.26	
	For Elevated Installation >30' To 35', Add	12.86	
	For Elevated Installation >35' To 40', Add	16.08	
	For Elevated Installation >40', Add	17.69	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.65	
26 05 33 13-0586	EA 2-1/2" Rigid Galvanized Steel (RGS) Chase Nipple.....	48.65	18.77
	For Work In Restricted Working Space, Add	11.26	
	For Elevated Installation >10' To 15', Add	3.75	
	For Elevated Installation >15' To 20', Add	7.51	
	For Elevated Installation >20' To 25', Add	9.38	
	For Elevated Installation >25' To 30', Add	13.14	
	For Elevated Installation >30' To 35', Add	15.01	
	For Elevated Installation >35' To 40', Add	18.77	
	For Elevated Installation >40', Add	20.64	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.26	
26 05 33 13-0587	EA 3" Rigid Galvanized Steel (RGS) Chase Nipple.....	54.30	21.45
	For Work In Restricted Working Space, Add	12.87	
	For Elevated Installation >10' To 15', Add	4.29	
	For Elevated Installation >15' To 20', Add	8.58	
	For Elevated Installation >20' To 25', Add	10.72	
	For Elevated Installation >25' To 30', Add	15.01	
	For Elevated Installation >30' To 35', Add	17.16	
	For Elevated Installation >35' To 40', Add	21.45	
	For Elevated Installation >40', Add	23.59	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.87	
26 05 33 13-0588	EA 3-1/2" Rigid Galvanized Steel (RGS) Chase Nipple.....	68.43	24.12
	For Work In Restricted Working Space, Add	14.48	
	For Elevated Installation >10' To 15', Add	4.83	
	For Elevated Installation >15' To 20', Add	9.65	
	For Elevated Installation >20' To 25', Add	12.07	
	For Elevated Installation >25' To 30', Add	16.89	
	For Elevated Installation >30' To 35', Add	19.30	
	For Elevated Installation >35' To 40', Add	24.13	
	For Elevated Installation >40', Add	26.54	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.48	
26 05 33 13-0589	EA 4" Rigid Galvanized Steel (RGS) Chase Nipple.....	95.87	26.81
	For Work In Restricted Working Space, Add	16.08	
	For Elevated Installation >10' To 15', Add	5.36	
	For Elevated Installation >15' To 20', Add	10.72	
	For Elevated Installation >20' To 25', Add	13.40	
	For Elevated Installation >25' To 30', Add	18.76	
	For Elevated Installation >30' To 35', Add	21.44	
	For Elevated Installation >35' To 40', Add	26.81	
	For Elevated Installation >40', Add	29.49	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.08	

26 05 33 13-0590 Rigid Galvanized Steel (RGS) Pulling Elbow (26 05 33 13-0060)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0591	EA		1/2" Rigid Galvanized Steel (RGS) Pulling Elbow.....	26.97	9.66
			For Work In Restricted Working Space, Add	5.79	
			For Elevated Installation >10' To 15', Add	1.93	
			For Elevated Installation >15' To 20', Add	3.86	
			For Elevated Installation >20' To 25', Add	4.83	
			For Elevated Installation >25' To 30', Add	6.76	
			For Elevated Installation >30' To 35', Add	7.72	
			For Elevated Installation >35' To 40', Add	9.65	
			For Elevated Installation >40', Add	10.62	
26 05 33 13-0592	EA		3/4" Rigid Galvanized Steel (RGS) Pulling Elbow.....	31.32	11.26
			For Work In Restricted Working Space, Add	6.76	
			For Elevated Installation >10' To 15', Add	2.25	
			For Elevated Installation >15' To 20', Add	4.50	
			For Elevated Installation >20' To 25', Add	5.63	
			For Elevated Installation >25' To 30', Add	7.88	
			For Elevated Installation >30' To 35', Add	9.01	
			For Elevated Installation >35' To 40', Add	11.26	
			For Elevated Installation >40', Add	12.39	
26 05 33 13-0593	EA		1" Rigid Galvanized Steel (RGS) Pulling Elbow.....	40.35	12.86
			For Work In Restricted Working Space, Add	7.72	
			For Elevated Installation >10' To 15', Add	2.57	
			For Elevated Installation >15' To 20', Add	5.15	
			For Elevated Installation >20' To 25', Add	6.44	
			For Elevated Installation >25' To 30', Add	9.01	
			For Elevated Installation >30' To 35', Add	10.30	
			For Elevated Installation >35' To 40', Add	12.87	
			For Elevated Installation >40', Add	14.16	
26 05 33 13-0594	EA		1-1/4" Rigid Galvanized Steel (RGS) Pulling Elbow	51.83	16.08
			For Work In Restricted Working Space, Add	9.65	
			For Elevated Installation >10' To 15', Add	3.22	
			For Elevated Installation >15' To 20', Add	6.43	
			For Elevated Installation >20' To 25', Add	8.04	
			For Elevated Installation >25' To 30', Add	11.26	
			For Elevated Installation >30' To 35', Add	12.86	
			For Elevated Installation >35' To 40', Add	16.08	
			For Elevated Installation >40', Add	17.69	
26 05 33 13-0595	EA		1-1/2" Rigid Galvanized Steel (RGS) Pulling Elbow	69.83	19.30
			For Work In Restricted Working Space, Add	11.58	
			For Elevated Installation >10' To 15', Add	3.86	
			For Elevated Installation >15' To 20', Add	7.72	
			For Elevated Installation >20' To 25', Add	9.65	
			For Elevated Installation >25' To 30', Add	13.51	
			For Elevated Installation >30' To 35', Add	15.44	
			For Elevated Installation >35' To 40', Add	19.30	
			For Elevated Installation >40', Add	21.23	
26 05 33 13-0596	EA		2" Rigid Galvanized Steel (RGS) Pulling Elbow.....	94.47	22.52
			For Work In Restricted Working Space, Add	13.51	
			For Elevated Installation >10' To 15', Add	4.50	
			For Elevated Installation >15' To 20', Add	9.01	
			For Elevated Installation >20' To 25', Add	11.26	
			For Elevated Installation >25' To 30', Add	15.76	
			For Elevated Installation >30' To 35', Add	18.02	
			For Elevated Installation >35' To 40', Add	22.52	
			For Elevated Installation >40', Add	24.77	
26 05 33 13-0597	EA		2-1/2" Rigid Galvanized Steel (RGS) Pulling Elbow	133.08	25.74
			For Work In Restricted Working Space, Add	15.44	
			For Elevated Installation >10' To 15', Add	5.15	
			For Elevated Installation >15' To 20', Add	10.30	
			For Elevated Installation >20' To 25', Add	12.87	
			For Elevated Installation >25' To 30', Add	18.02	
			For Elevated Installation >30' To 35', Add	20.59	
			For Elevated Installation >35' To 40', Add	25.74	
			For Elevated Installation >40', Add	28.31	
26 05 33 13-0598	EA		3" Rigid Galvanized Steel (RGS) Pulling Elbow.....	237.20	32.16
			For Work In Restricted Working Space, Add	19.30	
			For Elevated Installation >10' To 15', Add	6.43	
			For Elevated Installation >15' To 20', Add	12.87	
			For Elevated Installation >20' To 25', Add	16.09	
			For Elevated Installation >25' To 30', Add	22.52	
			For Elevated Installation >30' To 35', Add	25.74	
			For Elevated Installation >35' To 40', Add	32.17	
			For Elevated Installation >40', Add	35.39	

- 26 05 33 13-0599 Electrical Metallic Tubing (EMT) Thinwall Conduit (26 05 33 13-0059)
Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.
- 26 05 33 13-0600 Electrical Metallic Tubing (EMT) Thinwall Conduit (26 05 33 13-0599)
Note: Includes field bending conduit up to and including 1". See CSI section 26 05 33 13-2319 for field bending >1".

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 05 33 13-0601	LF 1/2" Electrical Metallic Tubing (EMT) Conduit.....	5.52		1.94
	For Work In Restricted Working Space, Add	1.45		
	For >1,000, Deduct	-0.43		
	For Installation In Wood Stud Wall (Includes Drilling), Add	1.21		
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.72		
	For >500 To 1,000, Deduct	-0.29		
	For Installation In Metal Stud Wall, Add	0.48		
	For Elevated Installation >10' To 15', Add	0.48		
	For Elevated Installation >15' To 20', Add	0.96		
	For Elevated Installation >20' To 25', Add	1.21		
	For Elevated Installation >25' To 30', Add	1.69		
	For Elevated Installation >30' To 35', Add	1.93		
	For Elevated Installation >35' To 40', Add	2.41		
	For Elevated Installation >40', Add	2.65		
	For >250 To 500, Deduct	-0.04		
	For Factory Applied Color Coating, Add	0.21		
26 05 33 13-0602	LF 3/4" Electrical Metallic Tubing (EMT) Conduit.....	6.46		2.15
	For Work In Restricted Working Space, Add	1.61		
	For >1,000, Deduct	-0.51		
	For Installation In Wood Stud Wall (Includes Drilling), Add	1.34		
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.80		
	For >500 To 1,000, Deduct	-0.35		
	For Installation In Metal Stud Wall, Add	0.54		
	For Elevated Installation >10' To 15', Add	0.54		
	For Elevated Installation >15' To 20', Add	1.07		
	For Elevated Installation >20' To 25', Add	1.34		
	For Elevated Installation >25' To 30', Add	1.88		
	For Elevated Installation >30' To 35', Add	2.14		
	For Elevated Installation >35' To 40', Add	2.68		
	For Elevated Installation >40', Add	2.95		
	For >250 To 500, Deduct	-0.06		
	For Factory Applied Color Coating, Add	0.33		
26 05 33 13-0603	LF 1" Electrical Metallic Tubing (EMT) Conduit.....	7.73		2.36
	For Work In Restricted Working Space, Add	1.77		
	For >1,000, Deduct	-0.63		
	For Installation In Wood Stud Wall (Includes Drilling), Add	1.48		
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.89		
	For >500 To 1,000, Deduct	-0.43		
	For Installation In Metal Stud Wall, Add	0.59		
	For Elevated Installation >10' To 15', Add	0.59		
	For Elevated Installation >15' To 20', Add	1.18		
	For Elevated Installation >20' To 25', Add	1.48		
	For Elevated Installation >25' To 30', Add	2.07		
	For Elevated Installation >30' To 35', Add	2.36		
	For Elevated Installation >35' To 40', Add	2.95		
	For Elevated Installation >40', Add	3.25		
	For >250 To 500, Deduct	-0.09		
	For Factory Applied Color Coating, Add	0.55		
26 05 33 13-0604	LF 1-1/4" Electrical Metallic Tubing (EMT) Conduit.....	9.54		2.66
	For Work In Restricted Working Space, Add	2.00		
	For >1,000, Deduct	-0.79		
	For Installation In Wood Stud Wall (Includes Drilling), Add	1.66		
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.00		
	For >500 To 1,000, Deduct	-0.55		
	For Installation In Metal Stud Wall, Add	0.67		
	For Elevated Installation >10' To 15', Add	0.67		
	For Elevated Installation >15' To 20', Add	1.33		
	For Elevated Installation >20' To 25', Add	1.66		
	For Elevated Installation >25' To 30', Add	2.33		
	For Elevated Installation >30' To 35', Add	2.66		
	For Elevated Installation >35' To 40', Add	3.33		
	For Elevated Installation >40', Add	3.66		
	For >250 To 500, Deduct	-0.14		
	For Factory Applied Color Coating, Add	0.87		
26 05 33 13-0605	LF 1-1/2" Electrical Metallic Tubing (EMT) Conduit.....	11.10		3.00
	For Work In Restricted Working Space, Add	2.25		
	For >1,000, Deduct	-0.92		
	For Installation In Wood Stud Wall (Includes Drilling), Add	1.88		
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.13		
	For >500 To 1,000, Deduct	-0.64		
	For Installation In Metal Stud Wall, Add	0.75		
	For Elevated Installation >10' To 15', Add	0.75		
	For Elevated Installation >15' To 20', Add	1.50		
	For Elevated Installation >20' To 25', Add	1.88		
	For Elevated Installation >25' To 30', Add	2.63		
	For Elevated Installation >30' To 35', Add	3.00		
	For Elevated Installation >35' To 40', Add	3.76		
	For Elevated Installation >40', Add	4.13		
	For >250 To 500, Deduct	-0.18		
	For Factory Applied Color Coating, Add	1.08		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0606	LF	2" Electrical Metallic Tubing (EMT) Conduit.....	12.84	3.43
		For Work In Restricted Working Space, Add	2.57	
		For >1,000, Deduct	-1.07	
		For Installation In Wood Stud Wall (Includes Drilling), Add	2.15	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.29	
		For >500 To 1,000, Deduct	-0.75	
		For Installation In Metal Stud Wall, Add	0.86	
		For Elevated Installation >10' To 15', Add	0.86	
		For Elevated Installation >15' To 20', Add	1.72	
		For Elevated Installation >20' To 25', Add	2.15	
		For Elevated Installation >25' To 30', Add	3.00	
		For Elevated Installation >30' To 35', Add	3.43	
		For Elevated Installation >35' To 40', Add	4.29	
		For Elevated Installation >40', Add	4.72	
		For >250 To 500, Deduct	-0.21	
		For Factory Applied Color Coating, Add	1.28	
26 05 33 13-0607	LF	2-1/2" Electrical Metallic Tubing (EMT) Conduit	16.50	4.07
		For Work In Restricted Working Space, Add	3.06	
		For >1,000, Deduct	-1.40	
		For Installation In Wood Stud Wall (Includes Drilling), Add	2.55	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.53	
		For >500 To 1,000, Deduct	-0.98	
		For Installation In Metal Stud Wall, Add	1.02	
		For Elevated Installation >10' To 15', Add	1.02	
		For Elevated Installation >15' To 20', Add	2.04	
		For Elevated Installation >20' To 25', Add	2.55	
		For Elevated Installation >25' To 30', Add	3.57	
		For Elevated Installation >30' To 35', Add	4.08	
		For Elevated Installation >35' To 40', Add	5.10	
		For Elevated Installation >40', Add	5.60	
		For >250 To 500, Deduct	-0.32	
		For Factory Applied Color Coating, Add	1.89	
26 05 33 13-0608	LF	3" Electrical Metallic Tubing (EMT) Conduit.....	19.69	4.72
		For Work In Restricted Working Space, Add	3.54	
		For >1,000, Deduct	-1.67	
		For Installation In Wood Stud Wall (Includes Drilling), Add	2.95	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.77	
		For >500 To 1,000, Deduct	-1.18	
		For Installation In Metal Stud Wall, Add	1.18	
		For Elevated Installation >10' To 15', Add	1.18	
		For Elevated Installation >15' To 20', Add	2.36	
		For Elevated Installation >20' To 25', Add	2.95	
		For Elevated Installation >25' To 30', Add	4.13	
		For Elevated Installation >30' To 35', Add	4.72	
		For Elevated Installation >35' To 40', Add	5.90	
		For Elevated Installation >40', Add	6.48	
		For >250 To 500, Deduct	-0.40	
		For Factory Applied Color Coating, Add	2.37	
26 05 33 13-0609	LF	3-1/2" Electrical Metallic Tubing (EMT) Conduit	24.50	5.57
		For Work In Restricted Working Space, Add	4.18	
		For >1,000, Deduct	-2.10	
		For Installation In Wood Stud Wall (Includes Drilling), Add	3.49	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.09	
		For >500 To 1,000, Deduct	-1.49	
		For Installation In Metal Stud Wall, Add	1.39	
		For Elevated Installation >10' To 15', Add	1.39	
		For Elevated Installation >15' To 20', Add	2.79	
		For Elevated Installation >20' To 25', Add	3.49	
		For Elevated Installation >25' To 30', Add	4.88	
		For Elevated Installation >30' To 35', Add	5.58	
		For Elevated Installation >35' To 40', Add	6.97	
		For Elevated Installation >40', Add	7.67	
		For >250 To 500, Deduct	-0.53	
		For Factory Applied Color Coating, Add	3.17	
26 05 33 13-0610	LF	4" Electrical Metallic Tubing (EMT) Conduit.....	32.76	8.35
		For Work In Restricted Working Space, Add	6.26	
		For >1,000, Deduct	-2.75	
		For Installation In Wood Stud Wall (Includes Drilling), Add	5.22	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	3.13	
		For >500 To 1,000, Deduct	-1.94	
		For Installation In Metal Stud Wall, Add	2.09	
		For Elevated Installation >10' To 15', Add	2.09	
		For Elevated Installation >15' To 20', Add	4.17	
		For Elevated Installation >20' To 25', Add	5.22	
		For Elevated Installation >25' To 30', Add	7.30	
		For Elevated Installation >30' To 35', Add	8.34	
		For Elevated Installation >35' To 40', Add	10.43	
		For Elevated Installation >40', Add	11.47	
		For >250 To 500, Deduct	-0.60	
		For Factory Applied Color Coating, Add	3.57	

26 05 33 13-0611 Electrical Metallic Tubing (EMT) 90 Degree Elbows (26 05 33 13-0599)
See CSI section 26 05 33 13-2319 for conduit field bending.

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 05 33 13-0612	EA 1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow.....	14.03		4.72
	For Work In Restricted Working Space, Add	3.54		
	For Elevated Installation >10' To 15', Add	1.18		
	For Elevated Installation >15' To 20', Add	2.36		
	For Elevated Installation >20' To 25', Add	2.95		
	For Elevated Installation >25' To 30', Add	4.13		
	For Elevated Installation >30' To 35', Add	4.72		
	For Elevated Installation >35' To 40', Add	5.90		
	For Elevated Installation >40', Add	6.48		
26 05 33 13-0613	EA 3/4" Electrical Metallic Tubing (EMT) 90 Degree Elbow.....	14.85		5.14
	For Work In Restricted Working Space, Add	3.86		
	For Elevated Installation >10' To 15', Add	1.29		
	For Elevated Installation >15' To 20', Add	2.57		
	For Elevated Installation >20' To 25', Add	3.22		
	For Elevated Installation >25' To 30', Add	4.50		
	For Elevated Installation >30' To 35', Add	5.14		
	For Elevated Installation >35' To 40', Add	6.43		
	For Elevated Installation >40', Add	7.07		
26 05 33 13-0614	EA 1" Electrical Metallic Tubing (EMT) 90 Degree Elbow.....	18.14		6.01
	For Work In Restricted Working Space, Add	4.50		
	For Elevated Installation >10' To 15', Add	1.50		
	For Elevated Installation >15' To 20', Add	3.00		
	For Elevated Installation >20' To 25', Add	3.75		
	For Elevated Installation >25' To 30', Add	5.25		
	For Elevated Installation >30' To 35', Add	6.00		
	For Elevated Installation >35' To 40', Add	7.51		
	For Elevated Installation >40', Add	8.26		
26 05 33 13-0615	EA 1-1/4" Electrical Metallic Tubing (EMT) 90 Degree Elbow	19.97		6.44
	For Work In Restricted Working Space, Add	4.82		
	For Elevated Installation >10' To 15', Add	1.61		
	For Elevated Installation >15' To 20', Add	3.22		
	For Elevated Installation >20' To 25', Add	4.02		
	For Elevated Installation >25' To 30', Add	5.63		
	For Elevated Installation >30' To 35', Add	6.43		
	For Elevated Installation >35' To 40', Add	8.04		
	For Elevated Installation >40', Add	8.84		
26 05 33 13-0616	EA 1-1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow	23.67		7.72
	For Work In Restricted Working Space, Add	5.79		
	For Elevated Installation >10' To 15', Add	1.93		
	For Elevated Installation >15' To 20', Add	3.86		
	For Elevated Installation >20' To 25', Add	4.83		
	For Elevated Installation >25' To 30', Add	6.76		
	For Elevated Installation >30' To 35', Add	7.72		
	For Elevated Installation >35' To 40', Add	9.65		
	For Elevated Installation >40', Add	10.62		
26 05 33 13-0617	EA 2" Electrical Metallic Tubing (EMT) 90 Degree Elbow.....	31.12		9.87
	For Work In Restricted Working Space, Add	7.40		
	For Elevated Installation >10' To 15', Add	2.47		
	For Elevated Installation >15' To 20', Add	4.93		
	For Elevated Installation >20' To 25', Add	6.17		
	For Elevated Installation >25' To 30', Add	8.63		
	For Elevated Installation >30' To 35', Add	9.86		
	For Elevated Installation >35' To 40', Add	12.33		
	For Elevated Installation >40', Add	13.56		
26 05 33 13-0618	EA 2-1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow	42.14		11.15
	For Work In Restricted Working Space, Add	8.36		
	For Elevated Installation >10' To 15', Add	2.79		
	For Elevated Installation >15' To 20', Add	5.57		
	For Elevated Installation >20' To 25', Add	6.97		
	For Elevated Installation >25' To 30', Add	9.75		
	For Elevated Installation >30' To 35', Add	11.15		
	For Elevated Installation >35' To 40', Add	13.94		
	For Elevated Installation >40', Add	15.33		
26 05 33 13-0619	EA 3" Electrical Metallic Tubing (EMT) 90 Degree Elbow.....	54.15		12.44
	For Work In Restricted Working Space, Add	9.33		
	For Elevated Installation >10' To 15', Add	3.11		
	For Elevated Installation >15' To 20', Add	6.22		
	For Elevated Installation >20' To 25', Add	7.78		
	For Elevated Installation >25' To 30', Add	10.89		
	For Elevated Installation >30' To 35', Add	12.44		
	For Elevated Installation >35' To 40', Add	15.55		
	For Elevated Installation >40', Add	17.11		
26 05 33 13-0620	EA 3-1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow	61.57		13.73
	For Work In Restricted Working Space, Add	10.29		
	For Elevated Installation >10' To 15', Add	3.43		
	For Elevated Installation >15' To 20', Add	6.86		
	For Elevated Installation >20' To 25', Add	8.58		
	For Elevated Installation >25' To 30', Add	12.01		
	For Elevated Installation >30' To 35', Add	13.72		
	For Elevated Installation >35' To 40', Add	17.16		
	For Elevated Installation >40', Add	18.87		
26 05 33 13-0621	EA 4" Electrical Metallic Tubing (EMT) 90 Degree Elbow.....	128.32		36.51
	For Work In Restricted Working Space, Add	27.38		
	For Elevated Installation >10' To 15', Add	9.13		
	For Elevated Installation >15' To 20', Add	18.25		
	For Elevated Installation >20' To 25', Add	22.82		
	For Elevated Installation >25' To 30', Add	31.94		
	For Elevated Installation >30' To 35', Add	36.51		
	For Elevated Installation >35' To 40', Add	45.64		
	For Elevated Installation >40', Add	50.20		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0622		Electrical Metallic Tubing (EMT) 45 Degree Elbows (26 05 33 13-0599) See CSI section 26 05 33 13-2319 for conduit field bending.		
26 05 33 13-0623	EA	1/2" Electrical Metallic Tubing (EMT) 45 Degree Elbow.....	13.79	4.72
		For Work In Restricted Working Space, Add	3.54	
		For Elevated Installation >10' To 15', Add	1.18	
		For Elevated Installation >15' To 20', Add	2.36	
		For Elevated Installation >20' To 25', Add	2.95	
		For Elevated Installation >25' To 30', Add	4.13	
		For Elevated Installation >30' To 35', Add	4.72	
		For Elevated Installation >35' To 40', Add	5.90	
		For Elevated Installation >40', Add	6.48	
26 05 33 13-0624	EA	3/4" Electrical Metallic Tubing (EMT) 45 Degree Elbow.....	14.99	5.14
		For Work In Restricted Working Space, Add	3.86	
		For Elevated Installation >10' To 15', Add	1.29	
		For Elevated Installation >15' To 20', Add	2.57	
		For Elevated Installation >20' To 25', Add	3.22	
		For Elevated Installation >25' To 30', Add	4.50	
		For Elevated Installation >30' To 35', Add	5.14	
		For Elevated Installation >35' To 40', Add	6.43	
		For Elevated Installation >40', Add	7.07	
26 05 33 13-0625	EA	1" Electrical Metallic Tubing (EMT) 45 Degree Elbow.....	18.45	6.01
		For Work In Restricted Working Space, Add	4.50	
		For Elevated Installation >10' To 15', Add	1.50	
		For Elevated Installation >15' To 20', Add	3.00	
		For Elevated Installation >20' To 25', Add	3.75	
		For Elevated Installation >25' To 30', Add	5.25	
		For Elevated Installation >30' To 35', Add	6.00	
		For Elevated Installation >35' To 40', Add	7.51	
		For Elevated Installation >40', Add	8.26	
26 05 33 13-0626	EA	1-1/4" Electrical Metallic Tubing (EMT) 45 Degree Elbow	20.56	6.44
		For Work In Restricted Working Space, Add	4.62	
		For Elevated Installation >10' To 15', Add	1.61	
		For Elevated Installation >15' To 20', Add	3.22	
		For Elevated Installation >20' To 25', Add	4.02	
		For Elevated Installation >25' To 30', Add	5.63	
		For Elevated Installation >30' To 35', Add	6.43	
		For Elevated Installation >35' To 40', Add	8.04	
		For Elevated Installation >40', Add	8.84	
26 05 33 13-0627	EA	1-1/2" Electrical Metallic Tubing (EMT) 45 Degree Elbow	24.42	7.72
		For Work In Restricted Working Space, Add	5.79	
		For Elevated Installation >10' To 15', Add	1.93	
		For Elevated Installation >15' To 20', Add	3.86	
		For Elevated Installation >20' To 25', Add	4.83	
		For Elevated Installation >25' To 30', Add	6.76	
		For Elevated Installation >30' To 35', Add	7.72	
		For Elevated Installation >35' To 40', Add	9.65	
		For Elevated Installation >40', Add	10.62	
26 05 33 13-0628	EA	2" Electrical Metallic Tubing (EMT) 45 Degree Elbow.....	30.88	9.87
		For Work In Restricted Working Space, Add	7.40	
		For Elevated Installation >10' To 15', Add	2.47	
		For Elevated Installation >15' To 20', Add	4.93	
		For Elevated Installation >20' To 25', Add	6.17	
		For Elevated Installation >25' To 30', Add	8.63	
		For Elevated Installation >30' To 35', Add	9.86	
		For Elevated Installation >35' To 40', Add	12.33	
		For Elevated Installation >40', Add	13.56	
26 05 33 13-0629	EA	2-1/2" Electrical Metallic Tubing (EMT) 45 Degree Elbow	44.33	11.15
		For Work In Restricted Working Space, Add	8.36	
		For Elevated Installation >10' To 15', Add	2.79	
		For Elevated Installation >15' To 20', Add	5.57	
		For Elevated Installation >20' To 25', Add	6.97	
		For Elevated Installation >25' To 30', Add	9.75	
		For Elevated Installation >30' To 35', Add	11.15	
		For Elevated Installation >35' To 40', Add	13.94	
		For Elevated Installation >40', Add	15.33	
26 05 33 13-0630	EA	3" Electrical Metallic Tubing (EMT) 45 Degree Elbow.....	55.88	12.44
		For Work In Restricted Working Space, Add	9.33	
		For Elevated Installation >10' To 15', Add	3.11	
		For Elevated Installation >15' To 20', Add	6.22	
		For Elevated Installation >20' To 25', Add	7.78	
		For Elevated Installation >25' To 30', Add	10.89	
		For Elevated Installation >30' To 35', Add	12.44	
		For Elevated Installation >35' To 40', Add	15.55	
		For Elevated Installation >40', Add	17.11	
26 05 33 13-0631	EA	3-1/2" Electrical Metallic Tubing (EMT) 45 Degree Elbow	66.28	13.73
		For Work In Restricted Working Space, Add	10.29	
		For Elevated Installation >10' To 15', Add	3.43	
		For Elevated Installation >15' To 20', Add	6.86	
		For Elevated Installation >20' To 25', Add	8.58	
		For Elevated Installation >25' To 30', Add	12.01	
		For Elevated Installation >30' To 35', Add	13.72	
		For Elevated Installation >35' To 40', Add	17.16	
		For Elevated Installation >40', Add	18.87	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-0632	EA	4" Electrical Metallic Tubing (EMT) 45 Degree Elbow.....	125.02	36.51
		<i>For Work In Restricted Working Space, Add</i>	27.38	
		<i>For Elevated Installation >10' To 15', Add</i>	9.13	
		<i>For Elevated Installation >15' To 20', Add</i>	18.25	
		<i>For Elevated Installation >20' To 25', Add</i>	22.82	
		<i>For Elevated Installation >25' To 30', Add</i>	31.94	
		<i>For Elevated Installation >30' To 35', Add</i>	36.51	
		<i>For Elevated Installation >35' To 40', Add</i>	45.64	
		<i>For Elevated Installation >40', Add</i>	50.20	

26 05 33 13-0633 Electrical Metallic Tubing (EMT) Set Screw Couplings (26 05 33 13-0599)

26 05 33 13-0634	EA	1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	5.62	2.58
		<i>For Work In Restricted Working Space, Add</i>	1.61	
		<i>For Elevated Installation >10' To 15', Add</i>	0.54	
		<i>For Elevated Installation >15' To 20', Add</i>	1.07	
		<i>For Elevated Installation >20' To 25', Add</i>	1.34	
		<i>For Elevated Installation >25' To 30', Add</i>	1.88	
		<i>For Elevated Installation >30' To 35', Add</i>	2.14	
		<i>For Elevated Installation >35' To 40', Add</i>	2.68	
		<i>For Elevated Installation >40', Add</i>	2.95	
26 05 33 13-0635	EA	3/4" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	6.82	2.58
		<i>For Work In Restricted Working Space, Add</i>	1.93	
		<i>For Elevated Installation >10' To 15', Add</i>	0.64	
		<i>For Elevated Installation >15' To 20', Add</i>	1.29	
		<i>For Elevated Installation >20' To 25', Add</i>	1.61	
		<i>For Elevated Installation >25' To 30', Add</i>	2.25	
		<i>For Elevated Installation >30' To 35', Add</i>	2.58	
		<i>For Elevated Installation >35' To 40', Add</i>	3.22	
		<i>For Elevated Installation >40', Add</i>	3.54	
26 05 33 13-0636	EA	1" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	8.08	3.00
		<i>For Work In Restricted Working Space, Add</i>	2.25	
		<i>For Elevated Installation >10' To 15', Add</i>	0.75	
		<i>For Elevated Installation >15' To 20', Add</i>	1.50	
		<i>For Elevated Installation >20' To 25', Add</i>	1.88	
		<i>For Elevated Installation >25' To 30', Add</i>	2.63	
		<i>For Elevated Installation >30' To 35', Add</i>	3.00	
		<i>For Elevated Installation >35' To 40', Add</i>	3.75	
		<i>For Elevated Installation >40', Add</i>	4.13	
26 05 33 13-0637	EA	1-1/4" Electrical Metallic Tubing (EMT) Set Screw Coupling	10.91	3.86
		<i>For Work In Restricted Working Space, Add</i>	2.90	
		<i>For Elevated Installation >10' To 15', Add</i>	0.97	
		<i>For Elevated Installation >15' To 20', Add</i>	1.93	
		<i>For Elevated Installation >20' To 25', Add</i>	2.41	
		<i>For Elevated Installation >25' To 30', Add</i>	3.38	
		<i>For Elevated Installation >30' To 35', Add</i>	3.86	
		<i>For Elevated Installation >35' To 40', Add</i>	4.83	
		<i>For Elevated Installation >40', Add</i>	5.31	
26 05 33 13-0638	EA	1-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling	13.46	4.72
		<i>For Work In Restricted Working Space, Add</i>	3.54	
		<i>For Elevated Installation >10' To 15', Add</i>	1.18	
		<i>For Elevated Installation >15' To 20', Add</i>	2.36	
		<i>For Elevated Installation >20' To 25', Add</i>	2.95	
		<i>For Elevated Installation >25' To 30', Add</i>	4.13	
		<i>For Elevated Installation >30' To 35', Add</i>	4.72	
		<i>For Elevated Installation >35' To 40', Add</i>	5.90	
		<i>For Elevated Installation >40', Add</i>	6.49	
26 05 33 13-0639	EA	2" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	18.30	6.44
		<i>For Work In Restricted Working Space, Add</i>	4.82	
		<i>For Elevated Installation >10' To 15', Add</i>	1.61	
		<i>For Elevated Installation >15' To 20', Add</i>	3.22	
		<i>For Elevated Installation >20' To 25', Add</i>	4.02	
		<i>For Elevated Installation >25' To 30', Add</i>	5.63	
		<i>For Elevated Installation >30' To 35', Add</i>	6.43	
		<i>For Elevated Installation >35' To 40', Add</i>	8.04	
		<i>For Elevated Installation >40', Add</i>	8.84	
26 05 33 13-0640	EA	2-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling	25.33	8.58
		<i>For Work In Restricted Working Space, Add</i>	6.44	
		<i>For Elevated Installation >10' To 15', Add</i>	2.15	
		<i>For Elevated Installation >15' To 20', Add</i>	4.29	
		<i>For Elevated Installation >20' To 25', Add</i>	5.36	
		<i>For Elevated Installation >25' To 30', Add</i>	7.51	
		<i>For Elevated Installation >30' To 35', Add</i>	8.58	
		<i>For Elevated Installation >35' To 40', Add</i>	10.73	
		<i>For Elevated Installation >40', Add</i>	11.80	
26 05 33 13-0641	EA	3" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	32.84	9.87
		<i>For Work In Restricted Working Space, Add</i>	8.04	
		<i>For Elevated Installation >10' To 15', Add</i>	2.68	
		<i>For Elevated Installation >15' To 20', Add</i>	5.36	
		<i>For Elevated Installation >20' To 25', Add</i>	6.70	
		<i>For Elevated Installation >25' To 30', Add</i>	9.38	
		<i>For Elevated Installation >30' To 35', Add</i>	10.72	
		<i>For Elevated Installation >35' To 40', Add</i>	13.41	
		<i>For Elevated Installation >40', Add</i>	14.75	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0642	EA		3-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling	36.94	10.72
			For Work In Restricted Working Space, Add	9.65	
			For Elevated Installation >10' To 15', Add	3.22	
			For Elevated Installation >15' To 20', Add	6.43	
			For Elevated Installation >20' To 25', Add	8.04	
			For Elevated Installation >25' To 30', Add	11.26	
			For Elevated Installation >30' To 35', Add	12.86	
			For Elevated Installation >35' To 40', Add	16.08	
			For Elevated Installation >40', Add	17.69	
26 05 33 13-0643	EA		4" Electrical Metallic Tubing (EMT) Set Screw Coupling	106.44	30.25
			For Work In Restricted Working Space, Add	29.38	
			For Elevated Installation >10' To 15', Add	9.79	
			For Elevated Installation >15' To 20', Add	19.59	
			For Elevated Installation >20' To 25', Add	24.48	
			For Elevated Installation >25' To 30', Add	34.28	
			For Elevated Installation >30' To 35', Add	39.17	
			For Elevated Installation >35' To 40', Add	48.97	
			For Elevated Installation >40', Add	53.86	
26 05 33 13-0644 Electrical Metallic Tubing (EMT) Compression Couplings (26 05 33 13-0599)					
26 05 33 13-0645	EA		1/2 Electrical Metallic Tubing (EMT) Compression Coupling	7.08	2.58
			For Work In Restricted Working Space, Add	1.93	
			For Elevated Installation >10' To 15', Add	0.64	
			For Elevated Installation >15' To 20', Add	1.29	
			For Elevated Installation >20' To 25', Add	1.61	
			For Elevated Installation >25' To 30', Add	2.25	
			For Elevated Installation >30' To 35', Add	2.58	
			For Elevated Installation >35' To 40', Add	3.22	
			For Elevated Installation >40', Add	3.54	
26 05 33 13-0646	EA		3/4" Electrical Metallic Tubing (EMT) Compression Coupling	8.21	3.00
			For Work In Restricted Working Space, Add	2.25	
			For Elevated Installation >10' To 15', Add	0.75	
			For Elevated Installation >15' To 20', Add	1.50	
			For Elevated Installation >20' To 25', Add	1.88	
			For Elevated Installation >25' To 30', Add	2.63	
			For Elevated Installation >30' To 35', Add	3.00	
			For Elevated Installation >35' To 40', Add	3.76	
			For Elevated Installation >40', Add	4.13	
26 05 33 13-0647	EA		1" Electrical Metallic Tubing (EMT) Compression Coupling	11.69	4.29
			For Work In Restricted Working Space, Add	3.22	
			For Elevated Installation >10' To 15', Add	1.07	
			For Elevated Installation >15' To 20', Add	2.14	
			For Elevated Installation >20' To 25', Add	2.68	
			For Elevated Installation >25' To 30', Add	3.75	
			For Elevated Installation >30' To 35', Add	4.29	
			For Elevated Installation >35' To 40', Add	5.36	
			For Elevated Installation >40', Add	5.90	
26 05 33 13-0648	EA		1-1/4" Electrical Metallic Tubing (EMT) Compression Coupling	14.90	5.14
			For Work In Restricted Working Space, Add	3.86	
			For Elevated Installation >10' To 15', Add	1.29	
			For Elevated Installation >15' To 20', Add	2.57	
			For Elevated Installation >20' To 25', Add	3.22	
			For Elevated Installation >25' To 30', Add	4.50	
			For Elevated Installation >30' To 35', Add	5.14	
			For Elevated Installation >35' To 40', Add	6.43	
			For Elevated Installation >40', Add	7.07	
26 05 33 13-0649	EA		1-1/2" Electrical Metallic Tubing (EMT) Compression Coupling	17.88	6.01
			For Work In Restricted Working Space, Add	4.50	
			For Elevated Installation >10' To 15', Add	1.50	
			For Elevated Installation >15' To 20', Add	3.00	
			For Elevated Installation >20' To 25', Add	3.75	
			For Elevated Installation >25' To 30', Add	5.25	
			For Elevated Installation >30' To 35', Add	6.00	
			For Elevated Installation >35' To 40', Add	7.51	
			For Elevated Installation >40', Add	8.26	
26 05 33 13-0650	EA		2" Electrical Metallic Tubing (EMT) Compression Coupling	23.81	7.72
			For Work In Restricted Working Space, Add	5.79	
			For Elevated Installation >10' To 15', Add	1.93	
			For Elevated Installation >15' To 20', Add	3.86	
			For Elevated Installation >20' To 25', Add	4.83	
			For Elevated Installation >25' To 30', Add	6.76	
			For Elevated Installation >30' To 35', Add	7.72	
			For Elevated Installation >35' To 40', Add	9.65	
			For Elevated Installation >40', Add	10.62	
26 05 33 13-0651	EA		2-1/2" Electrical Metallic Tubing (EMT) Compression Coupling	37.52	10.30
			For Work In Restricted Working Space, Add	7.72	
			For Elevated Installation >10' To 15', Add	2.57	
			For Elevated Installation >15' To 20', Add	5.15	
			For Elevated Installation >20' To 25', Add	6.44	
			For Elevated Installation >25' To 30', Add	9.01	
			For Elevated Installation >30' To 35', Add	10.30	
			For Elevated Installation >35' To 40', Add	12.87	
			For Elevated Installation >40', Add	14.16	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-0652	EA	3" Electrical Metallic Tubing (EMT) Compression Coupling.....	43.42	12.01
		<i>For Work In Restricted Working Space, Add</i>	9.01	
		<i>For Elevated Installation >10' To 15', Add</i>	3.00	
		<i>For Elevated Installation >15' To 20', Add</i>	6.01	
		<i>For Elevated Installation >20' To 25', Add</i>	7.51	
		<i>For Elevated Installation >25' To 30', Add</i>	10.51	
		<i>For Elevated Installation >30' To 35', Add</i>	12.01	
		<i>For Elevated Installation >35' To 40', Add</i>	15.02	
		<i>For Elevated Installation >40', Add</i>	16.52	
26 05 33 13-0653	EA	3-1/2" Electrical Metallic Tubing (EMT) Compression Coupling.....	54.28	15.01
		<i>For Work In Restricted Working Space, Add</i>	11.26	
		<i>For Elevated Installation >10' To 15', Add</i>	3.75	
		<i>For Elevated Installation >15' To 20', Add</i>	7.51	
		<i>For Elevated Installation >20' To 25', Add</i>	9.38	
		<i>For Elevated Installation >25' To 30', Add</i>	13.14	
		<i>For Elevated Installation >30' To 35', Add</i>	15.01	
		<i>For Elevated Installation >35' To 40', Add</i>	18.77	
		<i>For Elevated Installation >40', Add</i>	20.64	
26 05 33 13-0654	EA	4" Electrical Metallic Tubing (EMT) Compression Coupling.....	69.62	19.30
		<i>For Work In Restricted Working Space, Add</i>	14.48	
		<i>For Elevated Installation >10' To 15', Add</i>	4.83	
		<i>For Elevated Installation >15' To 20', Add</i>	9.65	
		<i>For Elevated Installation >20' To 25', Add</i>	12.07	
		<i>For Elevated Installation >25' To 30', Add</i>	16.89	
		<i>For Elevated Installation >30' To 35', Add</i>	19.30	
		<i>For Elevated Installation >35' To 40', Add</i>	24.13	
		<i>For Elevated Installation >40', Add</i>	26.54	

26 05 33 13-0655 Electrical Metallic Tubing (EMT) Raintight Compression Couplings (26 05 33 13-0599)

26 05 33 13-0656	EA	1/2 Electrical Metallic Tubing (EMT) Raintight Compression Coupling.....	7.99	2.58
		<i>For Work In Restricted Working Space, Add</i>	1.93	
		<i>For Elevated Installation >10' To 15', Add</i>	0.64	
		<i>For Elevated Installation >15' To 20', Add</i>	1.29	
		<i>For Elevated Installation >20' To 25', Add</i>	1.61	
		<i>For Elevated Installation >25' To 30', Add</i>	2.25	
		<i>For Elevated Installation >30' To 35', Add</i>	2.58	
		<i>For Elevated Installation >35' To 40', Add</i>	3.22	
		<i>For Elevated Installation >40', Add</i>	3.54	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.93	
26 05 33 13-0657	EA	3/4" Electrical Metallic Tubing (EMT) Raintight Compression Coupling.....	9.21	3.00
		<i>For Work In Restricted Working Space, Add</i>	2.25	
		<i>For Elevated Installation >10' To 15', Add</i>	0.75	
		<i>For Elevated Installation >15' To 20', Add</i>	1.50	
		<i>For Elevated Installation >20' To 25', Add</i>	1.88	
		<i>For Elevated Installation >25' To 30', Add</i>	2.63	
		<i>For Elevated Installation >30' To 35', Add</i>	3.00	
		<i>For Elevated Installation >35' To 40', Add</i>	3.76	
		<i>For Elevated Installation >40', Add</i>	4.13	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.25	
26 05 33 13-0658	EA	1" Electrical Metallic Tubing (EMT) Raintight Compression Coupling.....	13.61	4.29
		<i>For Work In Restricted Working Space, Add</i>	3.22	
		<i>For Elevated Installation >10' To 15', Add</i>	1.07	
		<i>For Elevated Installation >15' To 20', Add</i>	2.15	
		<i>For Elevated Installation >20' To 25', Add</i>	2.68	
		<i>For Elevated Installation >25' To 30', Add</i>	3.76	
		<i>For Elevated Installation >30' To 35', Add</i>	4.29	
		<i>For Elevated Installation >35' To 40', Add</i>	5.37	
		<i>For Elevated Installation >40', Add</i>	5.90	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.22	
26 05 33 13-0659	EA	1-1/4" Electrical Metallic Tubing (EMT) Raintight Compression Coupling.....	17.21	5.14
		<i>For Work In Restricted Working Space, Add</i>	3.86	
		<i>For Elevated Installation >10' To 15', Add</i>	1.29	
		<i>For Elevated Installation >15' To 20', Add</i>	2.57	
		<i>For Elevated Installation >20' To 25', Add</i>	3.22	
		<i>For Elevated Installation >25' To 30', Add</i>	4.50	
		<i>For Elevated Installation >30' To 35', Add</i>	5.14	
		<i>For Elevated Installation >35' To 40', Add</i>	6.43	
		<i>For Elevated Installation >40', Add</i>	7.07	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.86	
26 05 33 13-0660	EA	1-1/2" Electrical Metallic Tubing (EMT) Raintight Compression Coupling.....	21.99	6.01
		<i>For Work In Restricted Working Space, Add</i>	4.50	
		<i>For Elevated Installation >10' To 15', Add</i>	1.50	
		<i>For Elevated Installation >15' To 20', Add</i>	3.00	
		<i>For Elevated Installation >20' To 25', Add</i>	3.75	
		<i>For Elevated Installation >25' To 30', Add</i>	5.25	
		<i>For Elevated Installation >30' To 35', Add</i>	6.00	
		<i>For Elevated Installation >35' To 40', Add</i>	7.51	
		<i>For Elevated Installation >40', Add</i>	8.26	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.50	
26 05 33 13-0661	EA	2" Electrical Metallic Tubing (EMT) Raintight Compression Coupling.....	26.80	7.29
		<i>For Work In Restricted Working Space, Add</i>	5.47	
		<i>For Elevated Installation >10' To 15', Add</i>	1.82	
		<i>For Elevated Installation >15' To 20', Add</i>	3.65	
		<i>For Elevated Installation >20' To 25', Add</i>	4.56	
		<i>For Elevated Installation >25' To 30', Add</i>	6.38	
		<i>For Elevated Installation >30' To 35', Add</i>	7.29	
		<i>For Elevated Installation >35' To 40', Add</i>	9.12	
		<i>For Elevated Installation >40', Add</i>	10.03	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.47	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0662	EA	2-1/2"	Electrical Metallic Tubing (EMT) Raintight Compression Coupling.....	36.07	9.87
			For Work In Restricted Working Space, Add	7.40	
			For Elevated Installation >10' To 15', Add	2.47	
			For Elevated Installation >15' To 20', Add	4.93	
			For Elevated Installation >20' To 25', Add	6.17	
			For Elevated Installation >25' To 30', Add	8.63	
			For Elevated Installation >30' To 35', Add	9.86	
			For Elevated Installation >35' To 40', Add	12.33	
			For Elevated Installation >40', Add	13.56	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.40	
26 05 33 13-0663	EA	3"	Electrical Metallic Tubing (EMT) Raintight Compression Coupling.....	45.53	12.01
			For Work In Restricted Working Space, Add	9.01	
			For Elevated Installation >10' To 15', Add	3.00	
			For Elevated Installation >15' To 20', Add	6.01	
			For Elevated Installation >20' To 25', Add	7.51	
			For Elevated Installation >25' To 30', Add	10.51	
			For Elevated Installation >30' To 35', Add	12.01	
			For Elevated Installation >35' To 40', Add	15.02	
			For Elevated Installation >40', Add	16.52	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.01	
26 05 33 13-0664	EA	3-1/2"	Electrical Metallic Tubing (EMT) Raintight Compression Coupling.....	59.96	15.01
			For Work In Restricted Working Space, Add	11.26	
			For Elevated Installation >10' To 15', Add	3.75	
			For Elevated Installation >15' To 20', Add	7.51	
			For Elevated Installation >20' To 25', Add	9.38	
			For Elevated Installation >25' To 30', Add	13.14	
			For Elevated Installation >30' To 35', Add	15.01	
			For Elevated Installation >35' To 40', Add	18.77	
			For Elevated Installation >40', Add	20.64	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.26	
26 05 33 13-0665	EA	4"	Electrical Metallic Tubing (EMT) Raintight Compression Coupling.....	73.33	19.30
			For Work In Restricted Working Space, Add	14.48	
			For Elevated Installation >10' To 15', Add	4.83	
			For Elevated Installation >15' To 20', Add	9.65	
			For Elevated Installation >20' To 25', Add	12.07	
			For Elevated Installation >25' To 30', Add	16.89	
			For Elevated Installation >30' To 35', Add	19.30	
			For Elevated Installation >35' To 40', Add	24.13	
			For Elevated Installation >40', Add	26.54	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.48	
26 05 33 13-0666			Electrical Metallic Tubing (EMT) Insulated Bushing (26 05 33 13-0599)		
26 05 33 13-0667	EA	1/2"	Electrical Metallic Tubing (EMT) Insulated Bushing.....	7.28	2.90
			For Work In Restricted Working Space, Add	2.16	
			For Elevated Installation >10' To 15', Add	0.72	
			For Elevated Installation >15' To 20', Add	1.44	
			For Elevated Installation >20' To 25', Add	1.80	
			For Elevated Installation >25' To 30', Add	2.52	
			For Elevated Installation >30' To 35', Add	2.88	
			For Elevated Installation >35' To 40', Add	3.60	
			For Elevated Installation >40', Add	3.95	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.16	
26 05 33 13-0668	EA	3/4"	Electrical Metallic Tubing (EMT) Insulated Bushing.....	7.97	3.11
			For Work In Restricted Working Space, Add	2.35	
			For Elevated Installation >10' To 15', Add	0.78	
			For Elevated Installation >15' To 20', Add	1.57	
			For Elevated Installation >20' To 25', Add	1.96	
			For Elevated Installation >25' To 30', Add	2.74	
			For Elevated Installation >30' To 35', Add	3.13	
			For Elevated Installation >35' To 40', Add	3.92	
			For Elevated Installation >40', Add	4.31	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.35	
26 05 33 13-0669	EA	1"	Electrical Metallic Tubing (EMT) Insulated Bushing.....	9.97	3.86
			For Work In Restricted Working Space, Add	2.86	
			For Elevated Installation >10' To 15', Add	0.95	
			For Elevated Installation >15' To 20', Add	1.91	
			For Elevated Installation >20' To 25', Add	2.39	
			For Elevated Installation >25' To 30', Add	3.34	
			For Elevated Installation >30' To 35', Add	3.82	
			For Elevated Installation >35' To 40', Add	4.77	
			For Elevated Installation >40', Add	5.25	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.86	
26 05 33 13-0670	EA	1-1/4"	Electrical Metallic Tubing (EMT) Insulated Bushing	12.75	4.93
			For Work In Restricted Working Space, Add	3.67	
			For Elevated Installation >10' To 15', Add	1.22	
			For Elevated Installation >15' To 20', Add	2.44	
			For Elevated Installation >20' To 25', Add	3.06	
			For Elevated Installation >25' To 30', Add	4.28	
			For Elevated Installation >30' To 35', Add	4.89	
			For Elevated Installation >35' To 40', Add	6.11	
			For Elevated Installation >40', Add	6.72	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.67	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-0671	EA	1-1/2" Electrical Metallic Tubing (EMT) Insulated Bushing	15.10	5.68
		For Work In Restricted Working Space, Add	4.28	
		For Elevated Installation >10' To 15', Add	1.43	
		For Elevated Installation >15' To 20', Add	2.85	
		For Elevated Installation >20' To 25', Add	3.57	
		For Elevated Installation >25' To 30', Add	4.99	
		For Elevated Installation >30' To 35', Add	5.70	
		For Elevated Installation >35' To 40', Add	7.13	
		For Elevated Installation >40', Add	7.84	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.28	
26 05 33 13-0672	EA	2" Electrical Metallic Tubing (EMT) Insulated Bushing.....	18.55	6.86
		For Work In Restricted Working Space, Add	5.15	
		For Elevated Installation >10' To 15', Add	1.72	
		For Elevated Installation >15' To 20', Add	3.43	
		For Elevated Installation >20' To 25', Add	4.29	
		For Elevated Installation >25' To 30', Add	6.00	
		For Elevated Installation >30' To 35', Add	6.86	
		For Elevated Installation >35' To 40', Add	8.58	
		For Elevated Installation >40', Add	9.43	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.15	
26 05 33 13-0673	EA	2-1/2" Electrical Metallic Tubing (EMT) Insulated Bushing	26.82	9.54
		For Work In Restricted Working Space, Add	7.14	
		For Elevated Installation >10' To 15', Add	2.38	
		For Elevated Installation >15' To 20', Add	4.76	
		For Elevated Installation >20' To 25', Add	5.95	
		For Elevated Installation >25' To 30', Add	8.33	
		For Elevated Installation >30' To 35', Add	9.52	
		For Elevated Installation >35' To 40', Add	11.90	
		For Elevated Installation >40', Add	13.09	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.14	
26 05 33 13-0674	EA	3" Electrical Metallic Tubing (EMT) Insulated Bushing.....	35.59	12.65
		For Work In Restricted Working Space, Add	9.52	
		For Elevated Installation >10' To 15', Add	3.17	
		For Elevated Installation >15' To 20', Add	6.35	
		For Elevated Installation >20' To 25', Add	7.94	
		For Elevated Installation >25' To 30', Add	11.11	
		For Elevated Installation >30' To 35', Add	12.70	
		For Elevated Installation >35' To 40', Add	15.87	
		For Elevated Installation >40', Add	17.46	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.52	
26 05 33 13-0675	EA	3-1/2" Electrical Metallic Tubing (EMT) Insulated Bushing	45.61	16.30
		For Work In Restricted Working Space, Add	12.26	
		For Elevated Installation >10' To 15', Add	4.09	
		For Elevated Installation >15' To 20', Add	8.17	
		For Elevated Installation >20' To 25', Add	10.22	
		For Elevated Installation >25' To 30', Add	14.30	
		For Elevated Installation >30' To 35', Add	16.34	
		For Elevated Installation >35' To 40', Add	20.43	
		For Elevated Installation >40', Add	22.47	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.26	
26 05 33 13-0676	EA	4" Electrical Metallic Tubing (EMT) Insulated Bushing.....	58.90	21.45
		For Work In Restricted Working Space, Add	16.08	
		For Elevated Installation >10' To 15', Add	5.36	
		For Elevated Installation >15' To 20', Add	10.72	
		For Elevated Installation >20' To 25', Add	13.40	
		For Elevated Installation >25' To 30', Add	18.76	
		For Elevated Installation >30' To 35', Add	21.44	
		For Elevated Installation >35' To 40', Add	26.81	
		For Elevated Installation >40', Add	29.49	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.08	
26 05 33 13-0677		Electrical Metallic Tubing (EMT) Straight Box Connectors With Set Screw ⁽²⁶⁾		
26 05 33 13-0678	EA	1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	5.57	2.15
		For Work In Restricted Working Space, Add	1.61	
		For Elevated Installation >10' To 15', Add	0.54	
		For Elevated Installation >15' To 20', Add	1.07	
		For Elevated Installation >20' To 25', Add	1.34	
		For Elevated Installation >25' To 30', Add	1.88	
		For Elevated Installation >30' To 35', Add	2.14	
		For Elevated Installation >35' To 40', Add	2.68	
		For Elevated Installation >40', Add	2.95	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.61	
26 05 33 13-0679	EA	3/4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	6.77	2.58
		For Work In Restricted Working Space, Add	1.93	
		For Elevated Installation >10' To 15', Add	0.64	
		For Elevated Installation >15' To 20', Add	1.29	
		For Elevated Installation >20' To 25', Add	1.61	
		For Elevated Installation >25' To 30', Add	2.25	
		For Elevated Installation >30' To 35', Add	2.58	
		For Elevated Installation >35' To 40', Add	3.22	
		For Elevated Installation >40', Add	3.54	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.93	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0680	EA	1"	Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	8.09	3.00
			For Work In Restricted Working Space, Add	2.25	
			For Elevated Installation >10' To 15', Add	0.75	
			For Elevated Installation >15' To 20', Add	1.50	
			For Elevated Installation >20' To 25', Add	1.88	
			For Elevated Installation >25' To 30', Add	2.63	
			For Elevated Installation >30' To 35', Add	3.00	
			For Elevated Installation >35' To 40', Add	3.76	
			For Elevated Installation >40', Add	4.13	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.25	
26 05 33 13-0681	EA	1-1/4"	Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	11.78	4.29
			For Work In Restricted Working Space, Add	3.22	
			For Elevated Installation >10' To 15', Add	1.07	
			For Elevated Installation >15' To 20', Add	2.14	
			For Elevated Installation >20' To 25', Add	2.68	
			For Elevated Installation >25' To 30', Add	3.75	
			For Elevated Installation >30' To 35', Add	4.29	
			For Elevated Installation >35' To 40', Add	5.36	
			For Elevated Installation >40', Add	5.90	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.22	
26 05 33 13-0682	EA	1-1/2"	Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	14.40	5.14
			For Work In Restricted Working Space, Add	3.86	
			For Elevated Installation >10' To 15', Add	1.29	
			For Elevated Installation >15' To 20', Add	2.57	
			For Elevated Installation >20' To 25', Add	3.22	
			For Elevated Installation >25' To 30', Add	4.50	
			For Elevated Installation >30' To 35', Add	5.14	
			For Elevated Installation >35' To 40', Add	6.43	
			For Elevated Installation >40', Add	7.07	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.86	
26 05 33 13-0683	EA	2"	Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	18.36	6.44
			For Work In Restricted Working Space, Add	4.82	
			For Elevated Installation >10' To 15', Add	1.61	
			For Elevated Installation >15' To 20', Add	3.22	
			For Elevated Installation >20' To 25', Add	4.02	
			For Elevated Installation >25' To 30', Add	5.63	
			For Elevated Installation >30' To 35', Add	6.43	
			For Elevated Installation >35' To 40', Add	8.04	
			For Elevated Installation >40', Add	8.84	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.82	
26 05 33 13-0684	EA	2-1/2"	Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	27.81	8.58
			For Work In Restricted Working Space, Add	6.44	
			For Elevated Installation >10' To 15', Add	2.15	
			For Elevated Installation >15' To 20', Add	4.29	
			For Elevated Installation >20' To 25', Add	5.36	
			For Elevated Installation >25' To 30', Add	7.51	
			For Elevated Installation >30' To 35', Add	8.58	
			For Elevated Installation >35' To 40', Add	10.73	
			For Elevated Installation >40', Add	11.80	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.44	
26 05 33 13-0685	EA	3"	Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	34.59	10.72
			For Work In Restricted Working Space, Add	8.04	
			For Elevated Installation >10' To 15', Add	2.68	
			For Elevated Installation >15' To 20', Add	5.36	
			For Elevated Installation >20' To 25', Add	6.70	
			For Elevated Installation >25' To 30', Add	9.38	
			For Elevated Installation >30' To 35', Add	10.72	
			For Elevated Installation >35' To 40', Add	13.41	
			For Elevated Installation >40', Add	14.75	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.04	
26 05 33 13-0686	EA	3-1/2"	Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	40.90	12.86
			For Work In Restricted Working Space, Add	9.65	
			For Elevated Installation >10' To 15', Add	3.22	
			For Elevated Installation >15' To 20', Add	6.43	
			For Elevated Installation >20' To 25', Add	8.04	
			For Elevated Installation >25' To 30', Add	11.26	
			For Elevated Installation >30' To 35', Add	12.86	
			For Elevated Installation >35' To 40', Add	16.08	
			For Elevated Installation >40', Add	17.69	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.65	
26 05 33 13-0687	EA	4"	Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	47.65	15.01
			For Work In Restricted Working Space, Add	11.26	
			For Elevated Installation >10' To 15', Add	3.75	
			For Elevated Installation >15' To 20', Add	7.51	
			For Elevated Installation >20' To 25', Add	9.38	
			For Elevated Installation >25' To 30', Add	13.14	
			For Elevated Installation >30' To 35', Add	15.01	
			For Elevated Installation >35' To 40', Add	18.77	
			For Elevated Installation >40', Add	20.64	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.26	

26 05 33 13-0688 Electrical Metallic Tubing (EMT) Insulated Straight Box Connectors With Set Screw (26 05 33 13-0599)

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 13-0689	EA 1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	7.53	2.90
	For Work In Restricted Working Space, Add	2.16	
	For Elevated Installation >10' To 15', Add	0.72	
	For Elevated Installation >15' To 20', Add	1.44	
	For Elevated Installation >20' To 25', Add	1.80	
	For Elevated Installation >25' To 30', Add	2.52	
	For Elevated Installation >30' To 35', Add	2.88	
	For Elevated Installation >35' To 40', Add	3.60	
	For Elevated Installation >40', Add	3.95	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.16	
26 05 33 13-0690	EA 3/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	8.37	3.11
	For Work In Restricted Working Space, Add	2.35	
	For Elevated Installation >10' To 15', Add	0.78	
	For Elevated Installation >15' To 20', Add	1.57	
	For Elevated Installation >20' To 25', Add	1.96	
	For Elevated Installation >25' To 30', Add	2.74	
	For Elevated Installation >30' To 35', Add	3.13	
	For Elevated Installation >35' To 40', Add	3.92	
	For Elevated Installation >40', Add	4.31	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.35	
26 05 33 13-0691	EA 1" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	10.51	3.86
	For Work In Restricted Working Space, Add	2.86	
	For Elevated Installation >10' To 15', Add	0.95	
	For Elevated Installation >15' To 20', Add	1.91	
	For Elevated Installation >20' To 25', Add	2.39	
	For Elevated Installation >25' To 30', Add	3.34	
	For Elevated Installation >30' To 35', Add	3.82	
	For Elevated Installation >35' To 40', Add	4.77	
	For Elevated Installation >40', Add	5.25	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.86	
26 05 33 13-0692	EA 1-1/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	13.83	4.93
	For Work In Restricted Working Space, Add	3.67	
	For Elevated Installation >10' To 15', Add	1.22	
	For Elevated Installation >15' To 20', Add	2.44	
	For Elevated Installation >20' To 25', Add	3.06	
	For Elevated Installation >25' To 30', Add	4.28	
	For Elevated Installation >30' To 35', Add	4.89	
	For Elevated Installation >35' To 40', Add	6.11	
	For Elevated Installation >40', Add	6.72	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.67	
26 05 33 13-0693	EA 1-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	16.40	5.68
	For Work In Restricted Working Space, Add	4.28	
	For Elevated Installation >10' To 15', Add	1.43	
	For Elevated Installation >15' To 20', Add	2.85	
	For Elevated Installation >20' To 25', Add	3.57	
	For Elevated Installation >25' To 30', Add	4.99	
	For Elevated Installation >30' To 35', Add	5.70	
	For Elevated Installation >35' To 40', Add	7.13	
	For Elevated Installation >40', Add	7.84	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.28	
26 05 33 13-0694	EA 2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	20.09	6.86
	For Work In Restricted Working Space, Add	5.15	
	For Elevated Installation >10' To 15', Add	1.72	
	For Elevated Installation >15' To 20', Add	3.43	
	For Elevated Installation >20' To 25', Add	4.29	
	For Elevated Installation >25' To 30', Add	6.00	
	For Elevated Installation >30' To 35', Add	6.86	
	For Elevated Installation >35' To 40', Add	8.58	
	For Elevated Installation >40', Add	9.43	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.15	
26 05 33 13-0695	EA 2-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	33.44	9.54
	For Work In Restricted Working Space, Add	7.14	
	For Elevated Installation >10' To 15', Add	2.38	
	For Elevated Installation >15' To 20', Add	4.76	
	For Elevated Installation >20' To 25', Add	5.95	
	For Elevated Installation >25' To 30', Add	8.33	
	For Elevated Installation >30' To 35', Add	9.52	
	For Elevated Installation >35' To 40', Add	11.90	
	For Elevated Installation >40', Add	13.09	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.14	
26 05 33 13-0696	EA 3" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	43.27	12.65
	For Work In Restricted Working Space, Add	9.52	
	For Elevated Installation >10' To 15', Add	3.17	
	For Elevated Installation >15' To 20', Add	6.35	
	For Elevated Installation >20' To 25', Add	7.94	
	For Elevated Installation >25' To 30', Add	11.11	
	For Elevated Installation >30' To 35', Add	12.70	
	For Elevated Installation >35' To 40', Add	15.87	
	For Elevated Installation >40', Add	17.46	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.52	
26 05 33 13-0697	EA 3-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	55.27	16.30
	For Work In Restricted Working Space, Add	12.26	
	For Elevated Installation >10' To 15', Add	4.09	
	For Elevated Installation >15' To 20', Add	8.17	
	For Elevated Installation >20' To 25', Add	10.22	
	For Elevated Installation >25' To 30', Add	14.30	
	For Elevated Installation >30' To 35', Add	16.34	
	For Elevated Installation >35' To 40', Add	20.43	
	For Elevated Installation >40', Add	22.47	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.26	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0698	EA		4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	69.47	21.45
			For Work In Restricted Working Space, Add	16.08	
			For Elevated Installation >10' To 15', Add	5.36	
			For Elevated Installation >15' To 20', Add	10.72	
			For Elevated Installation >20' To 25', Add	13.40	
			For Elevated Installation >25' To 30', Add	18.76	
			For Elevated Installation >30' To 35', Add	21.44	
			For Elevated Installation >35' To 40', Add	26.81	
			For Elevated Installation >40', Add	29.49	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.08	
26 05 33 13-0699			Electrical Metallic Tubing (EMT) Straight Box Compression Connectors (26 05 33 13-0599)		
26 05 33 13-0700	EA		1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	6.77	2.58
			For Work In Restricted Working Space, Add	1.93	
			For Elevated Installation >10' To 15', Add	0.64	
			For Elevated Installation >15' To 20', Add	1.29	
			For Elevated Installation >20' To 25', Add	1.61	
			For Elevated Installation >25' To 30', Add	2.25	
			For Elevated Installation >30' To 35', Add	2.58	
			For Elevated Installation >35' To 40', Add	3.22	
			For Elevated Installation >40', Add	3.54	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.93	
26 05 33 13-0701	EA		3/4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	8.01	3.00
			For Work In Restricted Working Space, Add	2.25	
			For Elevated Installation >10' To 15', Add	0.75	
			For Elevated Installation >15' To 20', Add	1.50	
			For Elevated Installation >20' To 25', Add	1.88	
			For Elevated Installation >25' To 30', Add	2.63	
			For Elevated Installation >30' To 35', Add	3.00	
			For Elevated Installation >35' To 40', Add	3.76	
			For Elevated Installation >40', Add	4.13	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.25	
26 05 33 13-0702	EA		1" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	11.43	4.29
			For Work In Restricted Working Space, Add	3.22	
			For Elevated Installation >10' To 15', Add	1.07	
			For Elevated Installation >15' To 20', Add	2.14	
			For Elevated Installation >20' To 25', Add	2.68	
			For Elevated Installation >25' To 30', Add	3.75	
			For Elevated Installation >30' To 35', Add	4.29	
			For Elevated Installation >35' To 40', Add	5.36	
			For Elevated Installation >40', Add	5.90	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.22	
26 05 33 13-0703	EA		1-1/4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	14.20	5.14
			For Work In Restricted Working Space, Add	3.86	
			For Elevated Installation >10' To 15', Add	1.29	
			For Elevated Installation >15' To 20', Add	2.57	
			For Elevated Installation >20' To 25', Add	3.22	
			For Elevated Installation >25' To 30', Add	4.50	
			For Elevated Installation >30' To 35', Add	5.14	
			For Elevated Installation >35' To 40', Add	6.43	
			For Elevated Installation >40', Add	7.07	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.86	
26 05 33 13-0704	EA		1-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	16.90	6.01
			For Work In Restricted Working Space, Add	4.50	
			For Elevated Installation >10' To 15', Add	1.50	
			For Elevated Installation >15' To 20', Add	3.00	
			For Elevated Installation >20' To 25', Add	3.75	
			For Elevated Installation >25' To 30', Add	5.25	
			For Elevated Installation >30' To 35', Add	6.00	
			For Elevated Installation >35' To 40', Add	7.51	
			For Elevated Installation >40', Add	8.26	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.50	
26 05 33 13-0705	EA		2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	22.04	7.72
			For Work In Restricted Working Space, Add	5.79	
			For Elevated Installation >10' To 15', Add	1.93	
			For Elevated Installation >15' To 20', Add	3.86	
			For Elevated Installation >20' To 25', Add	4.83	
			For Elevated Installation >25' To 30', Add	6.76	
			For Elevated Installation >30' To 35', Add	7.72	
			For Elevated Installation >35' To 40', Add	9.65	
			For Elevated Installation >40', Add	10.62	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.79	
26 05 33 13-0706	EA		2-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	33.98	10.30
			For Work In Restricted Working Space, Add	7.72	
			For Elevated Installation >10' To 15', Add	2.57	
			For Elevated Installation >15' To 20', Add	5.15	
			For Elevated Installation >20' To 25', Add	6.44	
			For Elevated Installation >25' To 30', Add	9.01	
			For Elevated Installation >30' To 35', Add	10.30	
			For Elevated Installation >35' To 40', Add	12.87	
			For Elevated Installation >40', Add	14.16	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.72	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-0707	EA	3" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	42.94	12.86
		For Work In Restricted Working Space, Add	9.65	
		For Elevated Installation >10' To 15', Add	3.22	
		For Elevated Installation >15' To 20', Add	6.43	
		For Elevated Installation >20' To 25', Add	8.04	
		For Elevated Installation >25' To 30', Add	11.26	
		For Elevated Installation >30' To 35', Add	12.86	
		For Elevated Installation >35' To 40', Add	16.08	
		For Elevated Installation >40', Add	17.69	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.65	
26 05 33 13-0708	EA	3-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	54.14	15.01
		For Work In Restricted Working Space, Add	11.26	
		For Elevated Installation >10' To 15', Add	3.75	
		For Elevated Installation >15' To 20', Add	7.51	
		For Elevated Installation >20' To 25', Add	9.38	
		For Elevated Installation >25' To 30', Add	13.14	
		For Elevated Installation >30' To 35', Add	15.01	
		For Elevated Installation >35' To 40', Add	18.77	
		For Elevated Installation >40', Add	20.64	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.26	
26 05 33 13-0709	EA	4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	60.90	17.15
		For Work In Restricted Working Space, Add	12.87	
		For Elevated Installation >10' To 15', Add	4.29	
		For Elevated Installation >15' To 20', Add	8.58	
		For Elevated Installation >20' To 25', Add	10.72	
		For Elevated Installation >25' To 30', Add	15.01	
		For Elevated Installation >30' To 35', Add	17.16	
		For Elevated Installation >35' To 40', Add	21.45	
		For Elevated Installation >40', Add	23.59	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.87	

26 05 33 13-0710 Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connectors

(26 05 33 13-0599)

26 05 33 13-0711	EA	1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	7.76	2.90
		For Work In Restricted Working Space, Add	2.16	
		For Elevated Installation >10' To 15', Add	0.72	
		For Elevated Installation >15' To 20', Add	1.44	
		For Elevated Installation >20' To 25', Add	1.80	
		For Elevated Installation >25' To 30', Add	2.52	
		For Elevated Installation >30' To 35', Add	2.88	
		For Elevated Installation >35' To 40', Add	3.60	
		For Elevated Installation >40', Add	3.95	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.16	
26 05 33 13-0712	EA	3/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	8.61	3.11
		For Work In Restricted Working Space, Add	2.35	
		For Elevated Installation >10' To 15', Add	0.78	
		For Elevated Installation >15' To 20', Add	1.57	
		For Elevated Installation >20' To 25', Add	1.96	
		For Elevated Installation >25' To 30', Add	2.74	
		For Elevated Installation >30' To 35', Add	3.13	
		For Elevated Installation >35' To 40', Add	3.92	
		For Elevated Installation >40', Add	4.31	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.35	
26 05 33 13-0713	EA	1" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	10.71	3.86
		For Work In Restricted Working Space, Add	2.86	
		For Elevated Installation >10' To 15', Add	0.95	
		For Elevated Installation >15' To 20', Add	1.91	
		For Elevated Installation >20' To 25', Add	2.39	
		For Elevated Installation >25' To 30', Add	3.34	
		For Elevated Installation >30' To 35', Add	3.82	
		For Elevated Installation >35' To 40', Add	4.77	
		For Elevated Installation >40', Add	5.25	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.86	
26 05 33 13-0714	EA	1-1/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	14.40	4.93
		For Work In Restricted Working Space, Add	3.67	
		For Elevated Installation >10' To 15', Add	1.22	
		For Elevated Installation >15' To 20', Add	2.44	
		For Elevated Installation >20' To 25', Add	3.06	
		For Elevated Installation >25' To 30', Add	4.28	
		For Elevated Installation >30' To 35', Add	4.89	
		For Elevated Installation >35' To 40', Add	6.11	
		For Elevated Installation >40', Add	6.72	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.67	
26 05 33 13-0715	EA	1-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	17.34	5.68
		For Work In Restricted Working Space, Add	4.28	
		For Elevated Installation >10' To 15', Add	1.43	
		For Elevated Installation >15' To 20', Add	2.85	
		For Elevated Installation >20' To 25', Add	3.57	
		For Elevated Installation >25' To 30', Add	4.99	
		For Elevated Installation >30' To 35', Add	5.70	
		For Elevated Installation >35' To 40', Add	7.13	
		For Elevated Installation >40', Add	7.84	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.28	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0716	EA	2"	Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.46 5.15 1.72 3.43 4.29 6.00 6.86 8.58 9.43 5.15	6.86
26 05 33 13-0717	EA	2-1/2"	Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.41 7.14 2.38 4.76 5.95 8.33 9.52 11.90 13.09 7.14	9.54
26 05 33 13-0718	EA	3"	Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	51.61 9.52 3.17 6.35 7.94 11.11 12.70 15.87 17.46 9.52	12.65
26 05 33 13-0719	EA	3-1/2"	Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	69.91 12.26 4.09 8.17 10.22 14.30 16.34 20.43 22.47 12.26	16.30
26 05 33 13-0720	EA	4"	Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	87.58 16.08 5.36 10.72 13.40 18.76 21.44 26.81 29.49 16.08	21.45
26 05 33 13-0721 Electrical Metallic Tubing (EMT) Expansion Coupling (26 05 33 13-0599)					
Note: Excludes jumper.					
26 05 33 13-0722	EA	1/2"	Electrical Metallic Tubing (EMT) Expansion Coupling For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	58.73 10.71 3.57 7.14 8.92 12.49 14.28 17.85 19.63	14.26
26 05 33 13-0723	EA	3/4"	Electrical Metallic Tubing (EMT) Expansion Coupling For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	70.74 12.98 4.33 8.65 10.82 15.14 17.30 21.63 23.79	17.27
26 05 33 13-0724	EA	1"	Electrical Metallic Tubing (EMT) Expansion Coupling For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	86.88 16.22 5.41 10.81 13.52 18.92 21.63 27.04 29.74	21.66
26 05 33 13-0725	EA	1-1/4"	Electrical Metallic Tubing (EMT) Expansion Coupling For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	112.49 19.96 6.65 13.30 16.63 23.28 26.61 33.26 36.59	26.59

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

26 05 33 13-0726	EA	1-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling	139.96	31.20
		For Work In Restricted Working Space, Add	23.40	
		For Elevated Installation >10' To 15', Add	7.80	
		For Elevated Installation >15' To 20', Add	15.60	
		For Elevated Installation >20' To 25', Add	19.50	
		For Elevated Installation >25' To 30', Add	27.30	
		For Elevated Installation >30' To 35', Add	31.20	
		For Elevated Installation >35' To 40', Add	39.01	
		For Elevated Installation >40', Add	42.91	
26 05 33 13-0727	EA	2" Electrical Metallic Tubing (EMT) Expansion Coupling	175.55	37.96
		For Work In Restricted Working Space, Add	28.50	
		For Elevated Installation >10' To 15', Add	9.50	
		For Elevated Installation >15' To 20', Add	19.00	
		For Elevated Installation >20' To 25', Add	23.75	
		For Elevated Installation >25' To 30', Add	33.25	
		For Elevated Installation >30' To 35', Add	38.00	
		For Elevated Installation >35' To 40', Add	47.50	
		For Elevated Installation >40', Add	52.24	
26 05 33 13-0728	EA	2-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling	337.63	48.79
		For Work In Restricted Working Space, Add	36.60	
		For Elevated Installation >10' To 15', Add	12.20	
		For Elevated Installation >15' To 20', Add	24.40	
		For Elevated Installation >20' To 25', Add	30.50	
		For Elevated Installation >25' To 30', Add	42.70	
		For Elevated Installation >30' To 35', Add	48.80	
		For Elevated Installation >35' To 40', Add	61.00	
		For Elevated Installation >40', Add	67.10	
26 05 33 13-0729	EA	3" Electrical Metallic Tubing (EMT) Expansion Coupling	413.24	57.05
		For Work In Restricted Working Space, Add	42.80	
		For Elevated Installation >10' To 15', Add	14.27	
		For Elevated Installation >15' To 20', Add	28.53	
		For Elevated Installation >20' To 25', Add	35.67	
		For Elevated Installation >25' To 30', Add	49.93	
		For Elevated Installation >30' To 35', Add	57.06	
		For Elevated Installation >35' To 40', Add	71.33	
		For Elevated Installation >40', Add	78.46	
26 05 33 13-0730	EA	3-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling	508.36	62.19
		For Work In Restricted Working Space, Add	46.66	
		For Elevated Installation >10' To 15', Add	15.55	
		For Elevated Installation >15' To 20', Add	31.11	
		For Elevated Installation >20' To 25', Add	38.88	
		For Elevated Installation >25' To 30', Add	54.44	
		For Elevated Installation >30' To 35', Add	62.21	
		For Elevated Installation >35' To 40', Add	77.77	
		For Elevated Installation >40', Add	85.54	
26 05 33 13-0731	EA	4" Electrical Metallic Tubing (EMT) Expansion Coupling	550.08	68.63
		For Work In Restricted Working Space, Add	51.49	
		For Elevated Installation >10' To 15', Add	17.16	
		For Elevated Installation >15' To 20', Add	34.32	
		For Elevated Installation >20' To 25', Add	42.91	
		For Elevated Installation >25' To 30', Add	60.07	
		For Elevated Installation >30' To 35', Add	68.65	
		For Elevated Installation >35' To 40', Add	85.81	
		For Elevated Installation >40', Add	94.39	

26 05 33 13-0732 Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapters

(26 05 33 13-0599)

26 05 33 13-0733	EA	1/2" To 3/8" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	10.91	3.86
		For Work In Restricted Working Space, Add	2.86	
		For Elevated Installation >10' To 15', Add	0.95	
		For Elevated Installation >15' To 20', Add	1.90	
		For Elevated Installation >20' To 25', Add	2.38	
		For Elevated Installation >25' To 30', Add	3.33	
		For Elevated Installation >30' To 35', Add	3.81	
		For Elevated Installation >35' To 40', Add	4.76	
		For Elevated Installation >40', Add	5.24	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.86	
26 05 33 13-0734	EA	1/2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	11.66	3.86
		For Work In Restricted Working Space, Add	2.86	
		For Elevated Installation >10' To 15', Add	0.95	
		For Elevated Installation >15' To 20', Add	1.90	
		For Elevated Installation >20' To 25', Add	2.38	
		For Elevated Installation >25' To 30', Add	3.33	
		For Elevated Installation >30' To 35', Add	3.81	
		For Elevated Installation >35' To 40', Add	4.76	
		For Elevated Installation >40', Add	5.24	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.86	
26 05 33 13-0735	EA	3/4" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	13.04	4.18
		For Work In Restricted Working Space, Add	3.17	
		For Elevated Installation >10' To 15', Add	1.06	
		For Elevated Installation >15' To 20', Add	2.12	
		For Elevated Installation >20' To 25', Add	2.65	
		For Elevated Installation >25' To 30', Add	3.70	
		For Elevated Installation >30' To 35', Add	4.23	
		For Elevated Installation >35' To 40', Add	5.29	
		For Elevated Installation >40', Add	5.82	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.17	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0736	EA		1" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter.....	15.20	4.82
			For Work In Restricted Working Space, Add	3.61	
			For Elevated Installation >10' To 15', Add	1.20	
			For Elevated Installation >15' To 20', Add	2.41	
			For Elevated Installation >20' To 25', Add	3.01	
			For Elevated Installation >25' To 30', Add	4.21	
			For Elevated Installation >30' To 35', Add	4.82	
			For Elevated Installation >35' To 40', Add	6.02	
			For Elevated Installation >40', Add	6.62	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.61	
26 05 33 13-0737	EA		1-1/4" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	21.71	5.80
			For Work In Restricted Working Space, Add	4.37	
			For Elevated Installation >10' To 15', Add	1.46	
			For Elevated Installation >15' To 20', Add	2.91	
			For Elevated Installation >20' To 25', Add	3.64	
			For Elevated Installation >25' To 30', Add	5.10	
			For Elevated Installation >30' To 35', Add	5.82	
			For Elevated Installation >35' To 40', Add	7.28	
			For Elevated Installation >40', Add	8.01	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.37	
26 05 33 13-0738	EA		1-1/2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	26.59	6.65
			For Work In Restricted Working Space, Add	4.99	
			For Elevated Installation >10' To 15', Add	1.66	
			For Elevated Installation >15' To 20', Add	3.33	
			For Elevated Installation >20' To 25', Add	4.16	
			For Elevated Installation >25' To 30', Add	5.82	
			For Elevated Installation >30' To 35', Add	6.66	
			For Elevated Installation >35' To 40', Add	8.32	
			For Elevated Installation >40', Add	9.15	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.99	
26 05 33 13-0739	EA		2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter.....	34.68	8.36
			For Work In Restricted Working Space, Add	6.24	
			For Elevated Installation >10' To 15', Add	2.08	
			For Elevated Installation >15' To 20', Add	4.16	
			For Elevated Installation >20' To 25', Add	5.20	
			For Elevated Installation >25' To 30', Add	7.28	
			For Elevated Installation >30' To 35', Add	8.32	
			For Elevated Installation >35' To 40', Add	10.40	
			For Elevated Installation >40', Add	11.44	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.24	
26 05 33 13-0740			Electrical Metallic Tubing (EMT) Pulling Elbows (26 05 33 13-0599)		
26 05 33 13-0741	EA		1/2" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws	22.91	9.66
			For Work In Restricted Working Space, Add	5.79	
			For Elevated Installation >15' To 20', Add	3.86	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.79	
26 05 33 13-0742	EA		3/4" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws	26.71	11.26
			For Work In Restricted Working Space, Add	6.76	
			For Elevated Installation >15' To 20', Add	4.50	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.76	
26 05 33 13-0743	EA		1" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws	33.22	12.86
			For Work In Restricted Working Space, Add	7.72	
			For Elevated Installation >15' To 20', Add	5.15	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.72	
26 05 33 13-0744	EA		1-1/4" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws	42.46	16.08
			For Work In Restricted Working Space, Add	9.65	
			For Elevated Installation >15' To 20', Add	6.43	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.65	
26 05 33 13-0745			Intermediate Metal Conduit (IMC) (26 05 33 13-0059)		
			Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-0746			Intermediate Metal Conduit (IMC) Conduit (26 05 33 13-0745)		
			Note: Includes field bending conduit up to and including 1". See CSI section 26 05 33 13-2319 for field bending >1".		
26 05 33 13-0747	LF		1/2" Intermediate Metal Conduit (IMC) Conduit	8.20	2.15
			For Installation In Metal Stud Wall, Add	0.56	
			For >1,000, Deduct	-0.26	
			For Elevated Installation >10' To 15', Add	0.56	
			For Elevated Installation >15' To 20', Add	1.11	
			For Elevated Installation >20' To 25', Add	1.39	
			For Elevated Installation >25' To 30', Add	1.95	
			For Elevated Installation >30' To 35', Add	2.23	
			For Elevated Installation >35' To 40', Add	2.79	
			For Elevated Installation >40', Add	3.06	
			For Work In Restricted Working Space, Add	1.67	
			For >500 To 1,000, Deduct	-0.20	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.84	
			For Installation In Wood Stud Wall (Includes Drilling), Add	1.39	
			For >250 To 500, Deduct	-0.13	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-0748	LF	3/4" Intermediate Metal Conduit (IMC) Conduit	9.78	2.36
		For Installation In Metal Stud Wall, Add	0.67	
		For >1,000, Deduct	-0.31	
		For Elevated Installation >10' To 15', Add	0.67	
		For Elevated Installation >15' To 20', Add	1.33	
		For Elevated Installation >20' To 25', Add	1.66	
		For Elevated Installation >25' To 30', Add	2.33	
		For Elevated Installation >30' To 35', Add	2.66	
		For Elevated Installation >35' To 40', Add	3.33	
		For Elevated Installation >40', Add	3.66	
		For Work In Restricted Working Space, Add	2.00	
		For >500 To 1,000, Deduct	-0.23	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.00	
		For Installation In Wood Stud Wall (Includes Drilling), Add	1.66	
		For >250 To 500, Deduct	-0.16	
26 05 33 13-0749	LF	1" Intermediate Metal Conduit (IMC) Conduit	13.20	2.58
		For Installation In Metal Stud Wall, Add	0.84	
		For >1,000, Deduct	-0.48	
		For Elevated Installation >10' To 15', Add	0.84	
		For Elevated Installation >15' To 20', Add	1.67	
		For Elevated Installation >20' To 25', Add	2.09	
		For Elevated Installation >25' To 30', Add	2.93	
		For Elevated Installation >30' To 35', Add	3.34	
		For Elevated Installation >35' To 40', Add	4.18	
		For Elevated Installation >40', Add	4.60	
		For Work In Restricted Working Space, Add	2.51	
		For >500 To 1,000, Deduct	-0.36	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.25	
		For Installation In Wood Stud Wall (Includes Drilling), Add	2.09	
		For >250 To 500, Deduct	-0.24	
26 05 33 13-0750	LF	1-1/4" Intermediate Metal Conduit (IMC) Conduit	15.35	5.14
		For Installation In Metal Stud Wall, Add	0.92	
		For >1,000, Deduct	-0.61	
		For Elevated Installation >10' To 15', Add	0.92	
		For Elevated Installation >15' To 20', Add	1.84	
		For Elevated Installation >20' To 25', Add	2.31	
		For Elevated Installation >25' To 30', Add	3.23	
		For Elevated Installation >30' To 35', Add	3.69	
		For Elevated Installation >35' To 40', Add	4.61	
		For Elevated Installation >40', Add	5.07	
		For Work In Restricted Working Space, Add	2.77	
		For >500 To 1,000, Deduct	-0.46	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.38	
		For Installation In Wood Stud Wall (Includes Drilling), Add	2.31	
		For >250 To 500, Deduct	-0.31	
26 05 33 13-0751	LF	1-1/2" Intermediate Metal Conduit (IMC) Conduit	17.32	3.43
		For Installation In Metal Stud Wall, Add	1.01	
		For >1,000, Deduct	-0.72	
		For Elevated Installation >10' To 15', Add	1.01	
		For Elevated Installation >15' To 20', Add	2.02	
		For Elevated Installation >20' To 25', Add	2.52	
		For Elevated Installation >25' To 30', Add	3.53	
		For Elevated Installation >30' To 35', Add	4.03	
		For Elevated Installation >35' To 40', Add	5.04	
		For Elevated Installation >40', Add	5.54	
		For Work In Restricted Working Space, Add	3.02	
		For >500 To 1,000, Deduct	-0.54	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.51	
		For Installation In Wood Stud Wall (Includes Drilling), Add	2.52	
		For >250 To 500, Deduct	-0.36	
26 05 33 13-0752	LF	2" Intermediate Metal Conduit (IMC) Conduit	22.04	3.86
		For Installation In Metal Stud Wall, Add	1.22	
		For >1,000, Deduct	-0.98	
		For Elevated Installation >10' To 15', Add	1.22	
		For Elevated Installation >15' To 20', Add	2.44	
		For Elevated Installation >20' To 25', Add	3.06	
		For Elevated Installation >25' To 30', Add	4.28	
		For Elevated Installation >30' To 35', Add	4.89	
		For Elevated Installation >35' To 40', Add	6.11	
		For Elevated Installation >40', Add	6.72	
		For Work In Restricted Working Space, Add	3.67	
		For >500 To 1,000, Deduct	-0.74	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.83	
		For Installation In Wood Stud Wall (Includes Drilling), Add	3.06	
		For >250 To 500, Deduct	-0.49	
26 05 33 13-0753	LF	2-1/2" Intermediate Metal Conduit (IMC) Conduit	37.95	5.14
		For Installation In Metal Stud Wall, Add	1.62	
		For >1,000, Deduct	-2.18	
		For Elevated Installation >10' To 15', Add	1.62	
		For Elevated Installation >15' To 20', Add	3.24	
		For Elevated Installation >20' To 25', Add	4.05	
		For Elevated Installation >25' To 30', Add	5.67	
		For Elevated Installation >30' To 35', Add	6.48	
		For Elevated Installation >35' To 40', Add	8.10	
		For Elevated Installation >40', Add	8.90	
		For Work In Restricted Working Space, Add	4.86	
		For >500 To 1,000, Deduct	-1.63	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.43	
		For Installation In Wood Stud Wall (Includes Drilling), Add	4.05	
		For >250 To 500, Deduct	-1.09	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0754	LF		3" Intermediate Metal Conduit (IMC) Conduit	48.24	6.44
			For Installation In Metal Stud Wall, Add	2.15	
			For >1,000, Deduct	-2.68	
			For Elevated Installation >10' To 15', Add	2.15	
			For Elevated Installation >15' To 20', Add	4.29	
			For Elevated Installation >20' To 25', Add	5.36	
			For Elevated Installation >25' To 30', Add	7.51	
			For Elevated Installation >30' To 35', Add	8.58	
			For Elevated Installation >35' To 40', Add	10.73	
			For Elevated Installation >40', Add	11.80	
			For Work In Restricted Working Space, Add	6.44	
			For >500 To 1,000, Deduct	-2.01	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	3.22	
			For Installation In Wood Stud Wall (Includes Drilling), Add	5.36	
			For >250 To 500, Deduct	-1.34	
26 05 33 13-0755	LF		3-1/2" Intermediate Metal Conduit (IMC) Conduit	55.58	7.72
			For Installation In Metal Stud Wall, Add	2.46	
			For >1,000, Deduct	-3.10	
			For Elevated Installation >10' To 15', Add	2.46	
			For Elevated Installation >15' To 20', Add	4.91	
			For Elevated Installation >20' To 25', Add	6.14	
			For Elevated Installation >25' To 30', Add	8.59	
			For Elevated Installation >30' To 35', Add	9.82	
			For Elevated Installation >35' To 40', Add	12.28	
			For Elevated Installation >40', Add	13.50	
			For Work In Restricted Working Space, Add	7.37	
			For >500 To 1,000, Deduct	-2.33	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	3.68	
			For Installation In Wood Stud Wall (Includes Drilling), Add	6.14	
			For >250 To 500, Deduct	-1.55	
26 05 33 13-0756	LF		4" Intermediate Metal Conduit (IMC) Conduit	65.15	9.00
			For Installation In Metal Stud Wall, Add	2.86	
			For >1,000, Deduct	-3.65	
			For Elevated Installation >10' To 15', Add	2.86	
			For Elevated Installation >15' To 20', Add	5.73	
			For Elevated Installation >20' To 25', Add	7.16	
			For Elevated Installation >25' To 30', Add	10.02	
			For Elevated Installation >30' To 35', Add	11.46	
			For Elevated Installation >35' To 40', Add	14.32	
			For Elevated Installation >40', Add	15.75	
			For Work In Restricted Working Space, Add	8.59	
			For >500 To 1,000, Deduct	-2.74	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	4.30	
			For Installation In Wood Stud Wall (Includes Drilling), Add	7.16	
			For >250 To 500, Deduct	-1.83	
26 05 33 13-0757			Intermediate Metal Conduit (IMC) 90 Degree Elbows (26 05 33 13-0745)		
			See CSI section 26 05 33 13-2319 for conduit field bending.		
26 05 33 13-0758	EA		1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	38.11	10.62
			For Elevated Installation >10' To 15', Add	2.66	
			For Elevated Installation >15' To 20', Add	5.33	
			For Elevated Installation >20' To 25', Add	6.66	
			For Elevated Installation >25' To 30', Add	9.32	
			For Elevated Installation >30' To 35', Add	10.65	
			For Elevated Installation >35' To 40', Add	13.32	
			For Elevated Installation >40', Add	14.65	
			For Work In Restricted Working Space, Add	7.99	
26 05 33 13-0759	EA		3/4" Intermediate Metal Conduit (IMC) 90 Degree Elbow	45.99	13.18
			For Elevated Installation >10' To 15', Add	3.31	
			For Elevated Installation >15' To 20', Add	6.62	
			For Elevated Installation >20' To 25', Add	8.28	
			For Elevated Installation >25' To 30', Add	11.59	
			For Elevated Installation >30' To 35', Add	13.24	
			For Elevated Installation >35' To 40', Add	16.56	
			For Elevated Installation >40', Add	18.21	
			For Work In Restricted Working Space, Add	9.93	
26 05 33 13-0760	EA		1" Intermediate Metal Conduit (IMC) 90 Degree Elbow	58.67	16.19
			For Elevated Installation >10' To 15', Add	4.04	
			For Elevated Installation >15' To 20', Add	8.07	
			For Elevated Installation >20' To 25', Add	10.09	
			For Elevated Installation >25' To 30', Add	14.13	
			For Elevated Installation >30' To 35', Add	16.15	
			For Elevated Installation >35' To 40', Add	20.19	
			For Elevated Installation >40', Add	22.20	
			For Work In Restricted Working Space, Add	12.11	
26 05 33 13-0761	EA		1-1/4" Intermediate Metal Conduit (IMC) 90 Degree Elbow	72.53	18.77
			For Elevated Installation >10' To 15', Add	4.69	
			For Elevated Installation >15' To 20', Add	9.37	
			For Elevated Installation >20' To 25', Add	11.72	
			For Elevated Installation >25' To 30', Add	16.40	
			For Elevated Installation >30' To 35', Add	18.75	
			For Elevated Installation >35' To 40', Add	23.44	
			For Elevated Installation >40', Add	25.78	
			For Work In Restricted Working Space, Add	14.06	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-0762	EA	1-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	86.26	21.56
		For Elevated Installation >10' To 15', Add	5.38	
		For Elevated Installation >15' To 20', Add	10.76	
		For Elevated Installation >20' To 25', Add	13.45	
		For Elevated Installation >25' To 30', Add	18.83	
		For Elevated Installation >30' To 35', Add	21.52	
		For Elevated Installation >35' To 40', Add	26.90	
		For Elevated Installation >40', Add	29.59	
		For Work In Restricted Working Space, Add	16.14	
26 05 33 13-0763	EA	2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	105.90	23.70
		For Elevated Installation >10' To 15', Add	5.92	
		For Elevated Installation >15' To 20', Add	11.84	
		For Elevated Installation >20' To 25', Add	14.80	
		For Elevated Installation >25' To 30', Add	20.71	
		For Elevated Installation >30' To 35', Add	23.67	
		For Elevated Installation >35' To 40', Add	29.59	
		For Elevated Installation >40', Add	32.55	
		For Work In Restricted Working Space, Add	17.75	
26 05 33 13-0764	EA	2-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	153.31	29.60
		For Elevated Installation >10' To 15', Add	7.40	
		For Elevated Installation >15' To 20', Add	14.80	
		For Elevated Installation >20' To 25', Add	18.50	
		For Elevated Installation >25' To 30', Add	25.89	
		For Elevated Installation >30' To 35', Add	29.59	
		For Elevated Installation >35' To 40', Add	36.99	
		For Elevated Installation >40', Add	40.69	
		For Work In Restricted Working Space, Add	22.19	
26 05 33 13-0765	EA	3" Intermediate Metal Conduit (IMC) 90 Degree Elbow	222.23	40.32
		For Elevated Installation >10' To 15', Add	10.08	
		For Elevated Installation >15' To 20', Add	20.16	
		For Elevated Installation >20' To 25', Add	25.20	
		For Elevated Installation >25' To 30', Add	35.27	
		For Elevated Installation >30' To 35', Add	40.31	
		For Elevated Installation >35' To 40', Add	50.39	
		For Elevated Installation >40', Add	55.43	
		For Work In Restricted Working Space, Add	30.23	
26 05 33 13-0766	EA	3-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	328.08	45.47
		For Elevated Installation >10' To 15', Add	11.37	
		For Elevated Installation >15' To 20', Add	22.74	
		For Elevated Installation >20' To 25', Add	28.42	
		For Elevated Installation >25' To 30', Add	39.79	
		For Elevated Installation >30' To 35', Add	45.47	
		For Elevated Installation >35' To 40', Add	56.84	
		For Elevated Installation >40', Add	62.52	
		For Work In Restricted Working Space, Add	34.10	
26 05 33 13-0767	EA	4" Intermediate Metal Conduit (IMC) 90 Degree Elbow	396.65	59.20
		For Elevated Installation >10' To 15', Add	14.80	
		For Elevated Installation >15' To 20', Add	29.59	
		For Elevated Installation >20' To 25', Add	36.99	
		For Elevated Installation >25' To 30', Add	51.78	
		For Elevated Installation >30' To 35', Add	59.18	
		For Elevated Installation >35' To 40', Add	73.98	
		For Elevated Installation >40', Add	81.37	
		For Work In Restricted Working Space, Add	44.39	

26 05 33 13-0768 Intermediate Metal Conduit (IMC) Bushing Sets With Locknut (26 05 33 13-0745)

26 05 33 13-0769	EA	1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut.....	14.74	5.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.19	
26 05 33 13-0770	EA	3/4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut.....	17.44	0.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.82	
26 05 33 13-0771	EA	1" Intermediate Metal Conduit (IMC) Bushing Set With Locknut.....	22.63	8.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.11	
26 05 33 13-0772	EA	1-1/4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut.....	27.68	9.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.40	
26 05 33 13-0773	EA	1-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut.....	31.11	10.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.04	
26 05 33 13-0774	EA	2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut.....	40.33	13.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.97	
26 05 33 13-0775	EA	2-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut.....	75.74	21.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.09	
26 05 33 13-0776	EA	3" Intermediate Metal Conduit (IMC) Bushing Set With Locknut.....	92.58	29.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.88	
26 05 33 13-0777	EA	3-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut.....	122.41	34.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.06	
26 05 33 13-0778	EA	4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut.....	144.76	40.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.24	

26 05 33 13-0779 Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fittings (26 05 33 13-0745)

Note: 3-Piece coupling.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0780	EA	1/2"	Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	49.09	17.15
			For Elevated Installation >10' To 15', Add	4.29	
			For Elevated Installation >15' To 20', Add	8.59	
			For Elevated Installation >20' To 25', Add	10.74	
			For Elevated Installation >25' To 30', Add	15.03	
			For Elevated Installation >30' To 35', Add	17.18	
			For Elevated Installation >35' To 40', Add	21.47	
			For Elevated Installation >40', Add	23.62	
			For Work In Restricted Working Space, Add	12.88	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.88	
26 05 33 13-0781	EA	3/4"	Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	55.86	19.19
			For Elevated Installation >10' To 15', Add	4.79	
			For Elevated Installation >15' To 20', Add	9.59	
			For Elevated Installation >20' To 25', Add	11.98	
			For Elevated Installation >25' To 30', Add	16.78	
			For Elevated Installation >30' To 35', Add	19.17	
			For Elevated Installation >35' To 40', Add	23.97	
			For Elevated Installation >40', Add	26.36	
			For Work In Restricted Working Space, Add	14.38	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.38	
26 05 33 13-0782	EA	1"	Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	68.67	21.34
			For Elevated Installation >10' To 15', Add	5.34	
			For Elevated Installation >15' To 20', Add	10.68	
			For Elevated Installation >20' To 25', Add	13.35	
			For Elevated Installation >25' To 30', Add	18.69	
			For Elevated Installation >30' To 35', Add	21.36	
			For Elevated Installation >35' To 40', Add	26.70	
			For Elevated Installation >40', Add	29.36	
			For Work In Restricted Working Space, Add	16.02	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.02	
26 05 33 13-0783	EA	1-1/4"	Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	86.54	23.38
			For Elevated Installation >10' To 15', Add	5.84	
			For Elevated Installation >15' To 20', Add	11.68	
			For Elevated Installation >20' To 25', Add	14.61	
			For Elevated Installation >25' To 30', Add	20.45	
			For Elevated Installation >30' To 35', Add	23.37	
			For Elevated Installation >35' To 40', Add	29.21	
			For Elevated Installation >40', Add	32.13	
			For Work In Restricted Working Space, Add	17.53	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.53	
26 05 33 13-0784	EA	1-1/2"	Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	99.21	25.52
			For Elevated Installation >10' To 15', Add	6.39	
			For Elevated Installation >15' To 20', Add	12.78	
			For Elevated Installation >20' To 25', Add	15.98	
			For Elevated Installation >25' To 30', Add	22.37	
			For Elevated Installation >30' To 35', Add	25.57	
			For Elevated Installation >35' To 40', Add	31.96	
			For Elevated Installation >40', Add	35.16	
			For Work In Restricted Working Space, Add	19.18	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.18	
26 05 33 13-0785	EA	2"	Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	139.79	27.66
			For Elevated Installation >10' To 15', Add	6.92	
			For Elevated Installation >15' To 20', Add	13.84	
			For Elevated Installation >20' To 25', Add	17.31	
			For Elevated Installation >25' To 30', Add	24.23	
			For Elevated Installation >30' To 35', Add	27.69	
			For Elevated Installation >35' To 40', Add	34.61	
			For Elevated Installation >40', Add	38.07	
			For Work In Restricted Working Space, Add	20.77	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.77	
26 05 33 13-0786	EA	2-1/2"	Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	236.74	34.31
			For Elevated Installation >10' To 15', Add	8.58	
			For Elevated Installation >15' To 20', Add	17.16	
			For Elevated Installation >20' To 25', Add	21.45	
			For Elevated Installation >25' To 30', Add	30.02	
			For Elevated Installation >30' To 35', Add	34.31	
			For Elevated Installation >35' To 40', Add	42.89	
			For Elevated Installation >40', Add	47.18	
			For Work In Restricted Working Space, Add	25.73	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.73	
26 05 33 13-0787	EA	3"	Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	337.44	42.89
			For Elevated Installation >10' To 15', Add	10.72	
			For Elevated Installation >15' To 20', Add	21.45	
			For Elevated Installation >20' To 25', Add	26.81	
			For Elevated Installation >25' To 30', Add	37.53	
			For Elevated Installation >30' To 35', Add	42.89	
			For Elevated Installation >35' To 40', Add	53.62	
			For Elevated Installation >40', Add	58.98	
			For Work In Restricted Working Space, Add	32.17	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.17	
26 05 33 13-0788	EA	3-1/2"	Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	498.57	51.48
			For Elevated Installation >10' To 15', Add	12.87	
			For Elevated Installation >15' To 20', Add	25.74	
			For Elevated Installation >20' To 25', Add	32.18	
			For Elevated Installation >25' To 30', Add	45.05	
			For Elevated Installation >30' To 35', Add	51.49	
			For Elevated Installation >35' To 40', Add	64.36	
			For Elevated Installation >40', Add	70.80	
			For Work In Restricted Working Space, Add	38.62	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.62	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-0789	EA	4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	577.17	55.76
		For Elevated Installation >10' To 15', Add	13.94	
		For Elevated Installation >15' To 20', Add	27.88	
		For Elevated Installation >20' To 25', Add	34.85	
		For Elevated Installation >25' To 30', Add	48.79	
		For Elevated Installation >30' To 35', Add	55.76	
		For Elevated Installation >35' To 40', Add	69.70	
		For Elevated Installation >40', Add	76.66	
		For Work In Restricted Working Space, Add	41.82	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	41.82	

26 05 33 13-0790 Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connectors
(26 05 33 13-0745)

26 05 33 13-0791	EA	1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	28.15	8.58
		For Elevated Installation >10' To 15', Add	2.15	
		For Elevated Installation >15' To 20', Add	4.29	
		For Elevated Installation >20' To 25', Add	5.36	
		For Elevated Installation >25' To 30', Add	7.51	
		For Elevated Installation >30' To 35', Add	8.58	
		For Elevated Installation >35' To 40', Add	10.73	
		For Elevated Installation >40', Add	11.80	
		For Work In Restricted Working Space, Add	6.44	
26 05 33 13-0792	EA	3/4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	31.52	9.43
		For Elevated Installation >10' To 15', Add	2.36	
		For Elevated Installation >15' To 20', Add	4.72	
		For Elevated Installation >20' To 25', Add	5.90	
		For Elevated Installation >25' To 30', Add	8.26	
		For Elevated Installation >30' To 35', Add	9.44	
		For Elevated Installation >35' To 40', Add	11.80	
		For Elevated Installation >40', Add	12.97	
		For Work In Restricted Working Space, Add	7.08	
26 05 33 13-0793	EA	1" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	36.24	10.72
		For Elevated Installation >10' To 15', Add	2.68	
		For Elevated Installation >15' To 20', Add	5.36	
		For Elevated Installation >20' To 25', Add	6.70	
		For Elevated Installation >25' To 30', Add	9.38	
		For Elevated Installation >30' To 35', Add	10.72	
		For Elevated Installation >35' To 40', Add	13.41	
		For Elevated Installation >40', Add	14.75	
		For Work In Restricted Working Space, Add	8.04	
26 05 33 13-0794	EA	1-1/4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	41.40	11.58
		For Elevated Installation >10' To 15', Add	2.90	
		For Elevated Installation >15' To 20', Add	5.79	
		For Elevated Installation >20' To 25', Add	7.24	
		For Elevated Installation >25' To 30', Add	10.13	
		For Elevated Installation >30' To 35', Add	11.58	
		For Elevated Installation >35' To 40', Add	14.48	
		For Elevated Installation >40', Add	15.92	
		For Work In Restricted Working Space, Add	8.69	
26 05 33 13-0795	EA	1-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	49.53	12.86
		For Elevated Installation >10' To 15', Add	3.22	
		For Elevated Installation >15' To 20', Add	6.43	
		For Elevated Installation >20' To 25', Add	8.04	
		For Elevated Installation >25' To 30', Add	11.26	
		For Elevated Installation >30' To 35', Add	12.87	
		For Elevated Installation >35' To 40', Add	16.09	
		For Elevated Installation >40', Add	17.69	
		For Work In Restricted Working Space, Add	9.65	
26 05 33 13-0796	EA	2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	61.05	14.16
		For Elevated Installation >10' To 15', Add	3.54	
		For Elevated Installation >15' To 20', Add	7.08	
		For Elevated Installation >20' To 25', Add	8.85	
		For Elevated Installation >25' To 30', Add	12.39	
		For Elevated Installation >30' To 35', Add	14.16	
		For Elevated Installation >35' To 40', Add	17.70	
		For Elevated Installation >40', Add	19.46	
		For Work In Restricted Working Space, Add	10.62	
26 05 33 13-0797	EA	2-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	84.03	17.15
		For Elevated Installation >10' To 15', Add	4.29	
		For Elevated Installation >15' To 20', Add	8.58	
		For Elevated Installation >20' To 25', Add	10.72	
		For Elevated Installation >25' To 30', Add	15.01	
		For Elevated Installation >30' To 35', Add	17.16	
		For Elevated Installation >35' To 40', Add	21.45	
		For Elevated Installation >40', Add	23.59	
		For Work In Restricted Working Space, Add	12.87	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0798	EA		3" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	103.81	21.45
			For Elevated Installation >10' To 15', Add	5.36	
			For Elevated Installation >15' To 20', Add	10.72	
			For Elevated Installation >20' To 25', Add	13.40	
			For Elevated Installation >25' To 30', Add	18.76	
			For Elevated Installation >30' To 35', Add	21.44	
			For Elevated Installation >35' To 40', Add	26.81	
			For Elevated Installation >40', Add	29.49	
			For Work In Restricted Working Space, Add	16.08	
26 05 33 13-0799	EA		3-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	124.72	25.74
			For Elevated Installation >10' To 15', Add	6.43	
			For Elevated Installation >15' To 20', Add	12.87	
			For Elevated Installation >20' To 25', Add	16.09	
			For Elevated Installation >25' To 30', Add	22.52	
			For Elevated Installation >30' To 35', Add	25.74	
			For Elevated Installation >35' To 40', Add	32.17	
			For Elevated Installation >40', Add	35.39	
			For Work In Restricted Working Space, Add	19.30	
26 05 33 13-0800	EA		4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	141.40	27.88
			For Elevated Installation >10' To 15', Add	6.97	
			For Elevated Installation >15' To 20', Add	13.94	
			For Elevated Installation >20' To 25', Add	17.43	
			For Elevated Installation >25' To 30', Add	24.40	
			For Elevated Installation >30' To 35', Add	27.88	
			For Elevated Installation >35' To 40', Add	34.85	
			For Elevated Installation >40', Add	38.34	
			For Work In Restricted Working Space, Add	20.91	
26 05 33 13-0801 Intermediate Metal Conduit (IMC) Rain Tight Threaded Hubs (26 05 33 13-0745)					
26 05 33 13-0802	EA		1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	24.24	8.58
			For Elevated Installation >10' To 15', Add	2.15	
			For Elevated Installation >15' To 20', Add	4.29	
			For Elevated Installation >20' To 25', Add	5.36	
			For Elevated Installation >25' To 30', Add	7.51	
			For Elevated Installation >30' To 35', Add	8.58	
			For Elevated Installation >35' To 40', Add	10.73	
			For Elevated Installation >40', Add	11.80	
			For Work In Restricted Working Space, Add	6.44	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.44	
26 05 33 13-0803	EA		3/4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	31.00	10.72
			For Elevated Installation >10' To 15', Add	2.68	
			For Elevated Installation >15' To 20', Add	5.36	
			For Elevated Installation >20' To 25', Add	6.70	
			For Elevated Installation >25' To 30', Add	9.38	
			For Elevated Installation >30' To 35', Add	10.72	
			For Elevated Installation >35' To 40', Add	13.41	
			For Elevated Installation >40', Add	14.75	
			For Work In Restricted Working Space, Add	8.04	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.04	
26 05 33 13-0804	EA		1" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	38.36	12.86
			For Elevated Installation >10' To 15', Add	3.22	
			For Elevated Installation >15' To 20', Add	6.43	
			For Elevated Installation >20' To 25', Add	8.04	
			For Elevated Installation >25' To 30', Add	11.26	
			For Elevated Installation >30' To 35', Add	12.87	
			For Elevated Installation >35' To 40', Add	16.09	
			For Elevated Installation >40', Add	17.69	
			For Work In Restricted Working Space, Add	9.65	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.65	
26 05 33 13-0805	EA		1-1/4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	46.30	15.01
			For Elevated Installation >10' To 15', Add	3.75	
			For Elevated Installation >15' To 20', Add	7.51	
			For Elevated Installation >20' To 25', Add	9.39	
			For Elevated Installation >25' To 30', Add	13.14	
			For Elevated Installation >30' To 35', Add	15.02	
			For Elevated Installation >35' To 40', Add	18.77	
			For Elevated Installation >40', Add	20.65	
			For Work In Restricted Working Space, Add	11.26	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.26	
26 05 33 13-0806	EA		1-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	54.17	17.15
			For Elevated Installation >10' To 15', Add	4.29	
			For Elevated Installation >15' To 20', Add	8.58	
			For Elevated Installation >20' To 25', Add	10.72	
			For Elevated Installation >25' To 30', Add	15.01	
			For Elevated Installation >30' To 35', Add	17.16	
			For Elevated Installation >35' To 40', Add	21.45	
			For Elevated Installation >40', Add	23.59	
			For Work In Restricted Working Space, Add	12.87	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.87	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-0807	EA 2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	64.55	19.30
	For Elevated Installation >10' To 15', Add	4.83	
	For Elevated Installation >15' To 20', Add	9.65	
	For Elevated Installation >20' To 25', Add	12.06	
	For Elevated Installation >25' To 30', Add	16.89	
	For Elevated Installation >30' To 35', Add	19.30	
	For Elevated Installation >35' To 40', Add	24.13	
	For Elevated Installation >40', Add	26.54	
	For Work In Restricted Working Space, Add	14.48	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.48	
26 05 33 13-0808	EA 2-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	80.93	21.45
	For Elevated Installation >10' To 15', Add	5.36	
	For Elevated Installation >15' To 20', Add	10.72	
	For Elevated Installation >20' To 25', Add	13.40	
	For Elevated Installation >25' To 30', Add	18.76	
	For Elevated Installation >30' To 35', Add	21.44	
	For Elevated Installation >35' To 40', Add	26.81	
	For Elevated Installation >40', Add	29.49	
	For Work In Restricted Working Space, Add	16.08	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.08	
26 05 33 13-0809	EA 3" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	95.77	23.59
	For Elevated Installation >10' To 15', Add	5.90	
	For Elevated Installation >15' To 20', Add	11.79	
	For Elevated Installation >20' To 25', Add	14.74	
	For Elevated Installation >25' To 30', Add	20.64	
	For Elevated Installation >30' To 35', Add	23.59	
	For Elevated Installation >35' To 40', Add	29.49	
	For Elevated Installation >40', Add	32.43	
	For Work In Restricted Working Space, Add	17.69	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.69	
26 05 33 13-0810	EA 3-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	117.40	27.88
	For Elevated Installation >10' To 15', Add	6.97	
	For Elevated Installation >15' To 20', Add	13.94	
	For Elevated Installation >20' To 25', Add	17.43	
	For Elevated Installation >25' To 30', Add	24.40	
	For Elevated Installation >30' To 35', Add	27.88	
	For Elevated Installation >35' To 40', Add	34.85	
	For Elevated Installation >40', Add	38.34	
	For Work In Restricted Working Space, Add	20.91	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.91	
26 05 33 13-0811	EA 4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	135.24	30.03
	For Elevated Installation >10' To 15', Add	7.51	
	For Elevated Installation >15' To 20', Add	15.01	
	For Elevated Installation >20' To 25', Add	18.76	
	For Elevated Installation >25' To 30', Add	26.27	
	For Elevated Installation >30' To 35', Add	30.02	
	For Elevated Installation >35' To 40', Add	37.53	
	For Elevated Installation >40', Add	41.28	
	For Work In Restricted Working Space, Add	22.52	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.52	

26 05 33 13-0812 Intermediate Metal Conduit (IMC) Expansion Fittings (26 05 33 13-0745)

26 05 33 13-0813	EA 1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	163.67	17.15
	For Elevated Installation >10' To 15', Add	4.29	
	For Elevated Installation >15' To 20', Add	8.58	
	For Elevated Installation >20' To 25', Add	10.73	
	For Elevated Installation >25' To 30', Add	15.02	
	For Elevated Installation >30' To 35', Add	17.16	
	For Elevated Installation >35' To 40', Add	21.45	
	For Elevated Installation >40', Add	23.60	
	For Work In Restricted Working Space, Add	12.87	
26 05 33 13-0814	EA 3/4" Intermediate Metal Conduit (IMC) Expansion Fitting	181.10	19.30
	For Elevated Installation >10' To 15', Add	4.83	
	For Elevated Installation >15' To 20', Add	9.65	
	For Elevated Installation >20' To 25', Add	12.07	
	For Elevated Installation >25' To 30', Add	16.89	
	For Elevated Installation >30' To 35', Add	19.30	
	For Elevated Installation >35' To 40', Add	24.13	
	For Elevated Installation >40', Add	26.54	
	For Work In Restricted Working Space, Add	14.48	
26 05 33 13-0815	EA 1" Intermediate Metal Conduit (IMC) Expansion Fitting	201.26	21.45
	For Elevated Installation >10' To 15', Add	5.36	
	For Elevated Installation >15' To 20', Add	10.72	
	For Elevated Installation >20' To 25', Add	13.41	
	For Elevated Installation >25' To 30', Add	18.77	
	For Elevated Installation >30' To 35', Add	21.45	
	For Elevated Installation >35' To 40', Add	26.81	
	For Elevated Installation >40', Add	29.49	
	For Work In Restricted Working Space, Add	16.09	
26 05 33 13-0816	EA 1-1/4" Intermediate Metal Conduit (IMC) Expansion Fitting	243.15	23.59
	For Elevated Installation >10' To 15', Add	5.90	
	For Elevated Installation >15' To 20', Add	11.80	
	For Elevated Installation >20' To 25', Add	14.75	
	For Elevated Installation >25' To 30', Add	20.64	
	For Elevated Installation >30' To 35', Add	23.59	
	For Elevated Installation >35' To 40', Add	29.49	
	For Elevated Installation >40', Add	32.44	
	For Work In Restricted Working Space, Add	17.69	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0817	EA	1-1/2"	Intermediate Metal Conduit (IMC) Expansion Fitting For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	297.95 6.43 12.87 16.09 22.52 25.74 32.17 35.39 19.30	25.74
26 05 33 13-0818	EA	2"	Intermediate Metal Conduit (IMC) Expansion Fitting For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	391.83 6.97 13.94 17.42 24.39 27.88 34.85 38.33 20.91	27.88
26 05 33 13-0819	EA	2-1/2"	Intermediate Metal Conduit (IMC) Expansion Fitting For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	591.79 8.58 17.16 21.45 30.02 34.31 42.89 47.18 25.73	34.31
26 05 33 13-0820	EA	3"	Intermediate Metal Conduit (IMC) Expansion Fitting For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	711.44 10.72 21.45 26.81 37.53 42.89 53.62 58.98 32.17	42.89
26 05 33 13-0821	EA	3-1/2"	Intermediate Metal Conduit (IMC) Expansion Fitting For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	991.87 12.87 25.74 32.17 45.04 51.48 64.35 70.78 38.61	51.48
26 05 33 13-0822	EA	4"	Intermediate Metal Conduit (IMC) Expansion Fitting For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	1,147.18 13.94 27.88 34.85 48.79 55.76 69.70 76.66 41.82	55.76
26 05 33 13-0823 Intermediate Metal Conduit (IMC) Sealing Fittings, Vertical/Horizontal (26 05 33 13-0745)					
26 05 33 13-0824	EA	1/2"	Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	100.08 5.36 10.72 13.40 18.76 21.44 26.81 29.49 16.08 16.08	26.81
26 05 33 13-0825	EA	3/4"	Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	118.92 6.43 12.87 16.09 22.52 25.74 32.17 35.39 19.30 19.30	32.16
26 05 33 13-0826	EA	1"	Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	145.20 7.51 15.01 18.77 26.27 30.02 37.53 41.28 22.52 22.52	37.53

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-0827	EA	1-1/4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	170.96	42.89
		For Elevated Installation >10' To 15', Add	8.58	
		For Elevated Installation >15' To 20', Add	17.16	
		For Elevated Installation >20' To 25', Add	21.45	
		For Elevated Installation >25' To 30', Add	30.02	
		For Elevated Installation >30' To 35', Add	34.31	
		For Elevated Installation >35' To 40', Add	42.89	
		For Elevated Installation >40', Add	47.18	
		For Work In Restricted Working Space, Add	25.73	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.73	
26 05 33 13-0828	EA	1-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	224.74	48.26
		For Elevated Installation >10' To 15', Add	9.65	
		For Elevated Installation >15' To 20', Add	19.30	
		For Elevated Installation >20' To 25', Add	24.13	
		For Elevated Installation >25' To 30', Add	33.78	
		For Elevated Installation >30' To 35', Add	38.60	
		For Elevated Installation >35' To 40', Add	48.25	
		For Elevated Installation >40', Add	53.08	
		For Work In Restricted Working Space, Add	28.95	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.95	
26 05 33 13-0829	EA	2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	273.38	53.61
		For Elevated Installation >10' To 15', Add	10.72	
		For Elevated Installation >15' To 20', Add	21.45	
		For Elevated Installation >20' To 25', Add	26.81	
		For Elevated Installation >25' To 30', Add	37.53	
		For Elevated Installation >30' To 35', Add	42.89	
		For Elevated Installation >35' To 40', Add	53.62	
		For Elevated Installation >40', Add	58.98	
		For Work In Restricted Working Space, Add	32.17	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.17	
26 05 33 13-0830	EA	2-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	386.83	64.34
		For Elevated Installation >10' To 15', Add	12.87	
		For Elevated Installation >15' To 20', Add	25.74	
		For Elevated Installation >20' To 25', Add	32.17	
		For Elevated Installation >25' To 30', Add	45.04	
		For Elevated Installation >30' To 35', Add	51.47	
		For Elevated Installation >35' To 40', Add	64.34	
		For Elevated Installation >40', Add	70.77	
		For Work In Restricted Working Space, Add	38.60	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.60	
26 05 33 13-0831	EA	3" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	465.46	75.06
		For Elevated Installation >10' To 15', Add	15.01	
		For Elevated Installation >15' To 20', Add	30.02	
		For Elevated Installation >20' To 25', Add	37.53	
		For Elevated Installation >25' To 30', Add	52.54	
		For Elevated Installation >30' To 35', Add	60.05	
		For Elevated Installation >35' To 40', Add	75.06	
		For Elevated Installation >40', Add	82.57	
		For Work In Restricted Working Space, Add	45.04	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	45.04	
26 05 33 13-0832	EA	3-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	1,081.03	85.78
		For Elevated Installation >10' To 15', Add	17.16	
		For Elevated Installation >15' To 20', Add	34.31	
		For Elevated Installation >20' To 25', Add	42.89	
		For Elevated Installation >25' To 30', Add	60.05	
		For Elevated Installation >30' To 35', Add	68.63	
		For Elevated Installation >35' To 40', Add	85.79	
		For Elevated Installation >40', Add	94.36	
		For Work In Restricted Working Space, Add	51.47	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	51.47	
26 05 33 13-0833	EA	4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	1,245.58	96.50
		For Elevated Installation >10' To 15', Add	19.30	
		For Elevated Installation >15' To 20', Add	38.60	
		For Elevated Installation >20' To 25', Add	48.26	
		For Elevated Installation >25' To 30', Add	67.56	
		For Elevated Installation >30' To 35', Add	77.21	
		For Elevated Installation >35' To 40', Add	96.51	
		For Elevated Installation >40', Add	106.16	
		For Work In Restricted Working Space, Add	57.91	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	57.91	

26 05 33 13-0834 Intermediate Metal Conduit (IMC) Threaded Couplings (26 05 33 13-0745)

26 05 33 13-0835	EA	1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	14.45	5.14
		For Elevated Installation >10' To 15', Add	1.29	
		For Elevated Installation >15' To 20', Add	2.57	
		For Elevated Installation >20' To 25', Add	3.22	
		For Elevated Installation >25' To 30', Add	4.50	
		For Elevated Installation >30' To 35', Add	5.14	
		For Elevated Installation >35' To 40', Add	6.43	
		For Elevated Installation >40', Add	7.07	
		For Work In Restricted Working Space, Add	3.86	
26 05 33 13-0836	EA	3/4" Intermediate Metal Conduit (IMC) Threaded Coupling	20.16	7.29
		For Elevated Installation >10' To 15', Add	1.82	
		For Elevated Installation >15' To 20', Add	3.65	
		For Elevated Installation >20' To 25', Add	4.56	
		For Elevated Installation >25' To 30', Add	6.38	
		For Elevated Installation >30' To 35', Add	7.30	
		For Elevated Installation >35' To 40', Add	9.12	
		For Elevated Installation >40', Add	10.03	
		For Work In Restricted Working Space, Add	5.47	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0837	EA	1" Intermediate Metal Conduit (IMC) Threaded Coupling	26.44	9.43
		For Elevated Installation >10' To 15', Add	2.36	
		For Elevated Installation >15' To 20', Add	4.71	
		For Elevated Installation >20' To 25', Add	5.89	
		For Elevated Installation >25' To 30', Add	8.25	
		For Elevated Installation >30' To 35', Add	9.43	
		For Elevated Installation >35' To 40', Add	11.79	
		For Elevated Installation >40', Add	12.96	
		For Work In Restricted Working Space, Add	7.07	
26 05 33 13-0838	EA	1-1/4" Intermediate Metal Conduit (IMC) Threaded Coupling	30.40	10.72
		For Elevated Installation >10' To 15', Add	2.68	
		For Elevated Installation >15' To 20', Add	5.36	
		For Elevated Installation >20' To 25', Add	6.70	
		For Elevated Installation >25' To 30', Add	9.38	
		For Elevated Installation >30' To 35', Add	10.72	
		For Elevated Installation >35' To 40', Add	13.41	
		For Elevated Installation >40', Add	14.75	
		For Work In Restricted Working Space, Add	8.04	
26 05 33 13-0839	EA	1-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	36.68	12.86
		For Elevated Installation >10' To 15', Add	3.22	
		For Elevated Installation >15' To 20', Add	6.43	
		For Elevated Installation >20' To 25', Add	8.04	
		For Elevated Installation >25' To 30', Add	11.25	
		For Elevated Installation >30' To 35', Add	12.86	
		For Elevated Installation >35' To 40', Add	16.08	
		For Elevated Installation >40', Add	17.68	
		For Work In Restricted Working Space, Add	9.65	
26 05 33 13-0840	EA	2" Intermediate Metal Conduit (IMC) Threaded Coupling	42.44	14.59
		For Elevated Installation >10' To 15', Add	3.65	
		For Elevated Installation >15' To 20', Add	7.30	
		For Elevated Installation >20' To 25', Add	9.12	
		For Elevated Installation >25' To 30', Add	12.77	
		For Elevated Installation >30' To 35', Add	14.59	
		For Elevated Installation >35' To 40', Add	18.24	
		For Elevated Installation >40', Add	20.06	
		For Work In Restricted Working Space, Add	10.94	
26 05 33 13-0841	EA	2-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	53.95	16.30
		For Elevated Installation >10' To 15', Add	4.07	
		For Elevated Installation >15' To 20', Add	8.15	
		For Elevated Installation >20' To 25', Add	10.19	
		For Elevated Installation >25' To 30', Add	14.26	
		For Elevated Installation >30' To 35', Add	16.30	
		For Elevated Installation >35' To 40', Add	20.37	
		For Elevated Installation >40', Add	22.41	
		For Work In Restricted Working Space, Add	12.22	
26 05 33 13-0842	EA	3" Intermediate Metal Conduit (IMC) Threaded Coupling	64.15	18.45
		For Elevated Installation >10' To 15', Add	4.61	
		For Elevated Installation >15' To 20', Add	9.22	
		For Elevated Installation >20' To 25', Add	11.53	
		For Elevated Installation >25' To 30', Add	16.14	
		For Elevated Installation >30' To 35', Add	18.44	
		For Elevated Installation >35' To 40', Add	23.06	
		For Elevated Installation >40', Add	25.36	
		For Work In Restricted Working Space, Add	13.83	
26 05 33 13-0843	EA	3-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	74.53	20.16
		For Elevated Installation >10' To 15', Add	5.04	
		For Elevated Installation >15' To 20', Add	10.08	
		For Elevated Installation >20' To 25', Add	12.60	
		For Elevated Installation >25' To 30', Add	17.64	
		For Elevated Installation >30' To 35', Add	20.16	
		For Elevated Installation >35' To 40', Add	25.21	
		For Elevated Installation >40', Add	27.73	
		For Work In Restricted Working Space, Add	15.12	
26 05 33 13-0844	EA	4" Intermediate Metal Conduit (IMC) Threaded Coupling	77.90	21.45
		For Elevated Installation >10' To 15', Add	5.36	
		For Elevated Installation >15' To 20', Add	10.72	
		For Elevated Installation >20' To 25', Add	13.40	
		For Elevated Installation >25' To 30', Add	18.76	
		For Elevated Installation >30' To 35', Add	21.44	
		For Elevated Installation >35' To 40', Add	26.80	
		For Elevated Installation >40', Add	29.48	
		For Work In Restricted Working Space, Add	16.08	
26 05 33 13-0845		Intermediate Metal Conduit (IMC) Reducer Bushings (26 05 33 13-0745)		
26 05 33 13-0846	EA	1/2" To 3/4" Intermediate Metal Conduit (IMC) Reducing Bushing	7.13	2.15
		For Elevated Installation >10' To 15', Add	0.54	
		For Elevated Installation >15' To 20', Add	1.07	
		For Elevated Installation >20' To 25', Add	1.34	
		For Elevated Installation >25' To 30', Add	1.88	
		For Elevated Installation >30' To 35', Add	2.14	
		For Elevated Installation >35' To 40', Add	2.68	
		For Elevated Installation >40', Add	2.95	
		For Work In Restricted Working Space, Add	1.61	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-0847	EA	3/4" To 1" Intermediate Metal Conduit (IMC) Reducing Bushing	8.15	2.15
		For Elevated Installation >10' To 15', Add	0.54	
		For Elevated Installation >15' To 20', Add	1.07	
		For Elevated Installation >20' To 25', Add	1.34	
		For Elevated Installation >25' To 30', Add	1.88	
		For Elevated Installation >30' To 35', Add	2.14	
		For Elevated Installation >35' To 40', Add	2.68	
		For Elevated Installation >40', Add	2.95	
		For Work In Restricted Working Space, Add	1.61	
26 05 33 13-0848		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit (26 05 33 13-0059)		
		Note: 40 mil polyvinyl chloride (PVC) coated, 2 mil urethane lined (Ocal Blue, Crouse-Hinds, Appleton or O-Z/Gedney). Used in hazardous locations. Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-0849		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit (26 05 33 13-0848)		
		Note: Includes field bending conduit up to and including 1". See CSI section 26 05 33 13-2319 for field bending >1".		
26 05 33 13-0850	LF	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	13.45	3.00
		For >500 To 1,000, Deduct	-0.82	
		For Elevated Installation >10' To 15', Add	0.75	
		For Elevated Installation >15' To 20', Add	1.50	
		For Elevated Installation >20' To 25', Add	1.88	
		For Elevated Installation >25' To 30', Add	2.63	
		For Elevated Installation >30' To 35', Add	3.00	
		For Elevated Installation >35' To 40', Add	3.76	
		For Elevated Installation >40', Add	4.13	
		For Work In Restricted Working Space, Add	2.25	
		For >1,000, Deduct	-1.16	
		For >250 To 500, Deduct	-0.48	
26 05 33 13-0851	LF	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	15.46	3.43
		For >500 To 1,000, Deduct	-0.95	
		For Elevated Installation >10' To 15', Add	0.86	
		For Elevated Installation >15' To 20', Add	1.72	
		For Elevated Installation >20' To 25', Add	2.15	
		For Elevated Installation >25' To 30', Add	3.00	
		For Elevated Installation >30' To 35', Add	3.43	
		For Elevated Installation >35' To 40', Add	4.29	
		For Elevated Installation >40', Add	4.72	
		For Work In Restricted Working Space, Add	2.57	
		For >1,000, Deduct	-1.33	
		For >250 To 500, Deduct	-0.56	
26 05 33 13-0852	LF	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	19.63	4.29
		For >500 To 1,000, Deduct	-1.20	
		For Elevated Installation >10' To 15', Add	1.07	
		For Elevated Installation >15' To 20', Add	2.14	
		For Elevated Installation >20' To 25', Add	2.68	
		For Elevated Installation >25' To 30', Add	3.75	
		For Elevated Installation >30' To 35', Add	4.29	
		For Elevated Installation >35' To 40', Add	5.36	
		For Elevated Installation >40', Add	5.90	
		For Work In Restricted Working Space, Add	3.22	
		For >1,000, Deduct	-1.70	
		For >250 To 500, Deduct	-0.71	
26 05 33 13-0853	LF	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	24.16	5.14
		For >500 To 1,000, Deduct	-1.49	
		For Elevated Installation >10' To 15', Add	1.29	
		For Elevated Installation >15' To 20', Add	2.57	
		For Elevated Installation >20' To 25', Add	3.22	
		For Elevated Installation >25' To 30', Add	4.50	
		For Elevated Installation >30' To 35', Add	5.14	
		For Elevated Installation >35' To 40', Add	6.43	
		For Elevated Installation >40', Add	7.07	
		For Work In Restricted Working Space, Add	3.86	
		For >1,000, Deduct	-2.09	
		For >250 To 500, Deduct	-0.89	
26 05 33 13-0854	LF	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	29.81	6.44
		For >500 To 1,000, Deduct	-1.83	
		For Elevated Installation >10' To 15', Add	1.61	
		For Elevated Installation >15' To 20', Add	3.22	
		For Elevated Installation >20' To 25', Add	4.02	
		For Elevated Installation >25' To 30', Add	5.63	
		For Elevated Installation >30' To 35', Add	6.43	
		For Elevated Installation >35' To 40', Add	8.04	
		For Elevated Installation >40', Add	8.84	
		For Work In Restricted Working Space, Add	4.82	
		For >1,000, Deduct	-2.58	
		For >250 To 500, Deduct	-1.09	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0855	LF	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	37.20	7.72
		For >500 To 1,000, Deduct	-2.31	
		For Elevated Installation >10' To 15', Add	1.93	
		For Elevated Installation >15' To 20', Add	3.86	
		For Elevated Installation >20' To 25', Add	4.63	
		For Elevated Installation >25' To 30', Add	6.76	
		For Elevated Installation >30' To 35', Add	7.72	
		For Elevated Installation >35' To 40', Add	9.65	
		For Elevated Installation >40', Add	10.62	
		For Work In Restricted Working Space, Add	5.79	
		For >1,000, Deduct	-3.24	
		For >250 To 500, Deduct	-1.38	
26 05 33 13-0856	LF	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	49.66	9.00
		For >500 To 1,000, Deduct	-3.16	
		For Elevated Installation >10' To 15', Add	2.25	
		For Elevated Installation >15' To 20', Add	4.50	
		For Elevated Installation >20' To 25', Add	5.63	
		For Elevated Installation >25' To 30', Add	7.88	
		For Elevated Installation >30' To 35', Add	9.01	
		For Elevated Installation >35' To 40', Add	11.26	
		For Elevated Installation >40', Add	12.39	
		For Work In Restricted Working Space, Add	6.76	
		For >1,000, Deduct	-4.40	
		For >250 To 500, Deduct	-1.92	
26 05 33 13-0857	LF	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	62.10	11.15
		For >500 To 1,000, Deduct	-3.96	
		For Elevated Installation >10' To 15', Add	2.79	
		For Elevated Installation >15' To 20', Add	5.58	
		For Elevated Installation >20' To 25', Add	6.97	
		For Elevated Installation >25' To 30', Add	9.76	
		For Elevated Installation >30' To 35', Add	11.15	
		For Elevated Installation >35' To 40', Add	13.94	
		For Elevated Installation >40', Add	15.33	
		For Work In Restricted Working Space, Add	8.36	
		For >1,000, Deduct	-5.51	
		For >250 To 500, Deduct	-2.41	
26 05 33 13-0858	LF	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	76.17	13.73
		For >500 To 1,000, Deduct	-4.86	
		For Elevated Installation >10' To 15', Add	3.43	
		For Elevated Installation >15' To 20', Add	6.86	
		For Elevated Installation >20' To 25', Add	8.58	
		For Elevated Installation >25' To 30', Add	12.01	
		For Elevated Installation >30' To 35', Add	13.72	
		For Elevated Installation >35' To 40', Add	17.16	
		For Elevated Installation >40', Add	18.87	
		For Work In Restricted Working Space, Add	10.29	
		For >1,000, Deduct	-6.76	
		For >250 To 500, Deduct	-2.95	
26 05 33 13-0859	LF	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	90.10	16.30
		For >500 To 1,000, Deduct	-5.74	
		For Elevated Installation >10' To 15', Add	4.08	
		For Elevated Installation >15' To 20', Add	8.15	
		For Elevated Installation >20' To 25', Add	10.19	
		For Elevated Installation >25' To 30', Add	14.26	
		For Elevated Installation >30' To 35', Add	16.30	
		For Elevated Installation >35' To 40', Add	20.38	
		For Elevated Installation >40', Add	22.41	
		For Work In Restricted Working Space, Add	12.23	
		For >1,000, Deduct	-7.99	
		For >250 To 500, Deduct	-3.49	
26 05 33 13-0860	LF	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	135.71	19.30
		For >500 To 1,000, Deduct	-8.97	
		For Elevated Installation >10' To 15', Add	4.83	
		For Elevated Installation >15' To 20', Add	9.65	
		For Elevated Installation >20' To 25', Add	12.07	
		For Elevated Installation >25' To 30', Add	16.89	
		For Elevated Installation >30' To 35', Add	19.30	
		For Elevated Installation >35' To 40', Add	24.13	
		For Elevated Installation >40', Add	26.54	
		For Work In Restricted Working Space, Add	14.48	
		For >1,000, Deduct	-12.36	
		For >250 To 500, Deduct	-5.58	
26 05 33 13-0861	LF	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	184.19	25.74
		For >500 To 1,000, Deduct	-12.21	
		For Elevated Installation >10' To 15', Add	6.43	
		For Elevated Installation >15' To 20', Add	12.87	
		For Elevated Installation >20' To 25', Add	16.09	
		For Elevated Installation >25' To 30', Add	22.52	
		For Elevated Installation >30' To 35', Add	25.74	
		For Elevated Installation >35' To 40', Add	32.17	
		For Elevated Installation >40', Add	35.39	
		For Work In Restricted Working Space, Add	19.30	
		For >1,000, Deduct	-16.81	
		For >250 To 500, Deduct	-7.60	

26 05 33 13-0862 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel
(RGS) Couplings (26 05 33 13-0848)

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-0863	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	19.13	6.44
		For Elevated Installation >10' To 15', Add	1.29	
		For Elevated Installation >15' To 20', Add	2.57	
		For Elevated Installation >20' To 25', Add	3.22	
		For Elevated Installation >25' To 30', Add	4.50	
		For Elevated Installation >30' To 35', Add	5.14	
		For Elevated Installation >35' To 40', Add	6.43	
		For Elevated Installation >40', Add	7.07	
		For Work In Restricted Working Space, Add	3.86	
26 05 33 13-0864	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	24.80	9.11
		For Elevated Installation >10' To 15', Add	1.82	
		For Elevated Installation >15' To 20', Add	3.65	
		For Elevated Installation >20' To 25', Add	4.56	
		For Elevated Installation >25' To 30', Add	6.38	
		For Elevated Installation >30' To 35', Add	7.29	
		For Elevated Installation >35' To 40', Add	9.12	
		For Elevated Installation >40', Add	10.03	
		For Work In Restricted Working Space, Add	5.47	
26 05 33 13-0865	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	32.12	11.79
		For Elevated Installation >10' To 15', Add	2.36	
		For Elevated Installation >15' To 20', Add	4.72	
		For Elevated Installation >20' To 25', Add	5.90	
		For Elevated Installation >25' To 30', Add	8.26	
		For Elevated Installation >30' To 35', Add	9.44	
		For Elevated Installation >35' To 40', Add	11.80	
		For Elevated Installation >40', Add	12.97	
		For Work In Restricted Working Space, Add	7.08	
26 05 33 13-0866	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	36.76	13.41
		For Elevated Installation >10' To 15', Add	2.68	
		For Elevated Installation >15' To 20', Add	5.36	
		For Elevated Installation >20' To 25', Add	6.70	
		For Elevated Installation >25' To 30', Add	9.38	
		For Elevated Installation >30' To 35', Add	10.72	
		For Elevated Installation >35' To 40', Add	13.41	
		For Elevated Installation >40', Add	14.75	
		For Work In Restricted Working Space, Add	8.04	
26 05 33 13-0867	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	43.99	16.08
		For Elevated Installation >10' To 15', Add	3.22	
		For Elevated Installation >15' To 20', Add	6.43	
		For Elevated Installation >20' To 25', Add	8.04	
		For Elevated Installation >25' To 30', Add	11.26	
		For Elevated Installation >30' To 35', Add	12.86	
		For Elevated Installation >35' To 40', Add	16.08	
		For Elevated Installation >40', Add	17.69	
		For Work In Restricted Working Space, Add	9.65	
26 05 33 13-0868	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	53.77	18.23
		For Elevated Installation >10' To 15', Add	3.65	
		For Elevated Installation >15' To 20', Add	7.29	
		For Elevated Installation >20' To 25', Add	9.12	
		For Elevated Installation >25' To 30', Add	12.76	
		For Elevated Installation >30' To 35', Add	14.58	
		For Elevated Installation >35' To 40', Add	18.23	
		For Elevated Installation >40', Add	20.05	
		For Work In Restricted Working Space, Add	10.94	
26 05 33 13-0869	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	83.60	18.23
		For Elevated Installation >10' To 15', Add	4.08	
		For Elevated Installation >15' To 20', Add	8.15	
		For Elevated Installation >20' To 25', Add	10.19	
		For Elevated Installation >25' To 30', Add	14.26	
		For Elevated Installation >30' To 35', Add	16.30	
		For Elevated Installation >35' To 40', Add	20.38	
		For Elevated Installation >40', Add	22.41	
		For Work In Restricted Working Space, Add	12.23	
26 05 33 13-0870	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	98.15	25.20
		For Elevated Installation >10' To 15', Add	4.61	
		For Elevated Installation >15' To 20', Add	9.22	
		For Elevated Installation >20' To 25', Add	11.53	
		For Elevated Installation >25' To 30', Add	16.14	
		For Elevated Installation >30' To 35', Add	18.44	
		For Elevated Installation >35' To 40', Add	23.06	
		For Elevated Installation >40', Add	25.36	
		For Work In Restricted Working Space, Add	13.83	
26 05 33 13-0871	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	117.16	25.20
		For Elevated Installation >10' To 15', Add	5.04	
		For Elevated Installation >15' To 20', Add	10.08	
		For Elevated Installation >20' To 25', Add	12.60	
		For Elevated Installation >25' To 30', Add	17.64	
		For Elevated Installation >30' To 35', Add	20.16	
		For Elevated Installation >35' To 40', Add	25.20	
		For Elevated Installation >40', Add	27.72	
		For Work In Restricted Working Space, Add	15.12	
26 05 33 13-0872	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	131.67	26.81
		For Elevated Installation >10' To 15', Add	5.36	
		For Elevated Installation >15' To 20', Add	10.72	
		For Elevated Installation >20' To 25', Add	13.40	
		For Elevated Installation >25' To 30', Add	18.76	
		For Elevated Installation >30' To 35', Add	21.44	
		For Elevated Installation >35' To 40', Add	26.81	
		For Elevated Installation >40', Add	29.49	
		For Work In Restricted Working Space, Add	16.08	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0873	EA	5"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	318.70	32.16
			For Elevated Installation >10' To 15', Add	6.43	
			For Elevated Installation >15' To 20', Add	12.87	
			For Elevated Installation >20' To 25', Add	16.09	
			For Elevated Installation >25' To 30', Add	22.52	
			For Elevated Installation >30' To 35', Add	25.74	
			For Elevated Installation >35' To 40', Add	32.17	
			For Elevated Installation >40', Add	35.39	
			For Work In Restricted Working Space, Add	19.30	
26 05 33 13-0874	EA	6"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	359.20	37.53
			For Elevated Installation >10' To 15', Add	7.51	
			For Elevated Installation >15' To 20', Add	15.01	
			For Elevated Installation >20' To 25', Add	18.77	
			For Elevated Installation >25' To 30', Add	26.27	
			For Elevated Installation >30' To 35', Add	30.02	
			For Elevated Installation >35' To 40', Add	37.53	
			For Elevated Installation >40', Add	41.28	
			For Work In Restricted Working Space, Add	22.52	
26 05 33 13-0875 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbows (26 05 33 13-0848)					
Note: 90, 45, or 30-degree.					
26 05 33 13-0876	EA	1/2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	56.83	17.43
			For Elevated Installation >10' To 15', Add	3.49	
			For Elevated Installation >15' To 20', Add	6.97	
			For Elevated Installation >20' To 25', Add	8.71	
			For Elevated Installation >25' To 30', Add	12.20	
			For Elevated Installation >30' To 35', Add	13.94	
			For Elevated Installation >35' To 40', Add	17.43	
			For Elevated Installation >40', Add	19.17	
			For Work In Restricted Working Space, Add	10.46	
26 05 33 13-0877	EA	3/4"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	66.03	21.61
			For Elevated Installation >10' To 15', Add	4.32	
			For Elevated Installation >15' To 20', Add	8.64	
			For Elevated Installation >20' To 25', Add	10.80	
			For Elevated Installation >25' To 30', Add	15.12	
			For Elevated Installation >30' To 35', Add	17.28	
			For Elevated Installation >35' To 40', Add	21.61	
			For Elevated Installation >40', Add	23.77	
			For Work In Restricted Working Space, Add	12.96	
26 05 33 13-0878	EA	1"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	79.14	26.49
			For Elevated Installation >10' To 15', Add	5.30	
			For Elevated Installation >15' To 20', Add	10.59	
			For Elevated Installation >20' To 25', Add	13.24	
			For Elevated Installation >25' To 30', Add	18.54	
			For Elevated Installation >30' To 35', Add	21.19	
			For Elevated Installation >35' To 40', Add	26.49	
			For Elevated Installation >40', Add	29.13	
			For Work In Restricted Working Space, Add	15.89	
26 05 33 13-0879	EA	1-1/4"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	93.50	30.67
			For Elevated Installation >10' To 15', Add	6.13	
			For Elevated Installation >15' To 20', Add	12.27	
			For Elevated Installation >20' To 25', Add	15.34	
			For Elevated Installation >25' To 30', Add	21.47	
			For Elevated Installation >30' To 35', Add	24.54	
			For Elevated Installation >35' To 40', Add	30.67	
			For Elevated Installation >40', Add	33.74	
			For Work In Restricted Working Space, Add	18.40	
26 05 33 13-0880	EA	1-1/2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	109.23	34.85
			For Elevated Installation >10' To 15', Add	6.97	
			For Elevated Installation >15' To 20', Add	13.94	
			For Elevated Installation >20' To 25', Add	17.43	
			For Elevated Installation >25' To 30', Add	24.40	
			For Elevated Installation >30' To 35', Add	27.88	
			For Elevated Installation >35' To 40', Add	34.85	
			For Elevated Installation >40', Add	38.34	
			For Work In Restricted Working Space, Add	20.91	
26 05 33 13-0881	EA	2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	131.83	38.33
			For Elevated Installation >10' To 15', Add	7.67	
			For Elevated Installation >15' To 20', Add	15.33	
			For Elevated Installation >20' To 25', Add	19.17	
			For Elevated Installation >25' To 30', Add	26.83	
			For Elevated Installation >30' To 35', Add	30.67	
			For Elevated Installation >35' To 40', Add	38.34	
			For Elevated Installation >40', Add	42.17	
			For Work In Restricted Working Space, Add	23.00	
26 05 33 13-0882	EA	2-1/2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	200.11	48.10
			For Elevated Installation >10' To 15', Add	9.62	
			For Elevated Installation >15' To 20', Add	19.24	
			For Elevated Installation >20' To 25', Add	24.05	
			For Elevated Installation >25' To 30', Add	33.66	
			For Elevated Installation >30' To 35', Add	38.47	
			For Elevated Installation >35' To 40', Add	48.09	
			For Elevated Installation >40', Add	52.90	
			For Work In Restricted Working Space, Add	28.85	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-0883	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	297.10	65.52
		For Elevated Installation >10' To 15', Add	13.10	
		For Elevated Installation >15' To 20', Add	26.21	
		For Elevated Installation >20' To 25', Add	32.76	
		For Elevated Installation >25' To 30', Add	45.86	
		For Elevated Installation >30' To 35', Add	52.41	
		For Elevated Installation >35' To 40', Add	65.52	
		For Elevated Installation >40', Add	72.07	
		For Work In Restricted Working Space, Add	39.31	
26 05 33 13-0884	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	365.68	73.88
		For Elevated Installation >10' To 15', Add	14.78	
		For Elevated Installation >15' To 20', Add	29.55	
		For Elevated Installation >20' To 25', Add	36.94	
		For Elevated Installation >25' To 30', Add	51.72	
		For Elevated Installation >30' To 35', Add	59.11	
		For Elevated Installation >35' To 40', Add	73.89	
		For Elevated Installation >40', Add	81.27	
		For Work In Restricted Working Space, Add	44.33	
26 05 33 13-0885	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	422.72	96.18
		For Elevated Installation >10' To 15', Add	19.24	
		For Elevated Installation >15' To 20', Add	38.47	
		For Elevated Installation >20' To 25', Add	48.09	
		For Elevated Installation >25' To 30', Add	67.33	
		For Elevated Installation >30' To 35', Add	76.95	
		For Elevated Installation >35' To 40', Add	96.19	
		For Elevated Installation >40', Add	105.80	
		For Work In Restricted Working Space, Add	57.71	
26 05 33 13-0886	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	868.75	156.82
		For Elevated Installation >10' To 15', Add	31.37	
		For Elevated Installation >15' To 20', Add	62.73	
		For Elevated Installation >20' To 25', Add	78.41	
		For Elevated Installation >25' To 30', Add	109.78	
		For Elevated Installation >30' To 35', Add	125.46	
		For Elevated Installation >35' To 40', Add	156.83	
		For Elevated Installation >40', Add	172.51	
		For Work In Restricted Working Space, Add	94.10	
26 05 33 13-0887	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	1,363.46	235.59
		For Elevated Installation >10' To 15', Add	47.12	
		For Elevated Installation >15' To 20', Add	94.24	
		For Elevated Installation >20' To 25', Add	117.80	
		For Elevated Installation >25' To 30', Add	164.91	
		For Elevated Installation >30' To 35', Add	188.47	
		For Elevated Installation >35' To 40', Add	235.59	
		For Elevated Installation >40', Add	259.15	
		For Work In Restricted Working Space, Add	141.35	

26 05 33 13-0888 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbows

(26 05 33 13-0848)

26 05 33 13-0889	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	130.95	26.49
		For Elevated Installation >10' To 15', Add	5.30	
		For Elevated Installation >15' To 20', Add	10.59	
		For Elevated Installation >20' To 25', Add	13.24	
		For Elevated Installation >25' To 30', Add	18.54	
		For Elevated Installation >30' To 35', Add	21.19	
		For Elevated Installation >35' To 40', Add	26.49	
		For Elevated Installation >40', Add	29.13	
		For Work In Restricted Working Space, Add	15.89	
26 05 33 13-0890	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	147.60	30.67
		For Elevated Installation >10' To 15', Add	6.13	
		For Elevated Installation >15' To 20', Add	12.27	
		For Elevated Installation >20' To 25', Add	15.34	
		For Elevated Installation >25' To 30', Add	21.47	
		For Elevated Installation >30' To 35', Add	24.54	
		For Elevated Installation >35' To 40', Add	30.67	
		For Elevated Installation >40', Add	33.74	
		For Work In Restricted Working Space, Add	18.40	
26 05 33 13-0891	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	168.45	34.85
		For Elevated Installation >10' To 15', Add	6.97	
		For Elevated Installation >15' To 20', Add	13.94	
		For Elevated Installation >20' To 25', Add	17.43	
		For Elevated Installation >25' To 30', Add	24.40	
		For Elevated Installation >30' To 35', Add	27.88	
		For Elevated Installation >35' To 40', Add	34.85	
		For Elevated Installation >40', Add	38.34	
		For Work In Restricted Working Space, Add	20.91	
26 05 33 13-0892	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	200.17	38.33
		For Elevated Installation >10' To 15', Add	7.67	
		For Elevated Installation >15' To 20', Add	15.33	
		For Elevated Installation >20' To 25', Add	19.17	
		For Elevated Installation >25' To 30', Add	26.83	
		For Elevated Installation >30' To 35', Add	30.67	
		For Elevated Installation >35' To 40', Add	38.34	
		For Elevated Installation >40', Add	42.17	
		For Work In Restricted Working Space, Add	23.00	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0893	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow.....	277.46	48.10
		For Elevated Installation >10' To 15', Add	9.62	
		For Elevated Installation >15' To 20', Add	19.24	
		For Elevated Installation >20' To 25', Add	24.05	
		For Elevated Installation >25' To 30', Add	33.66	
		For Elevated Installation >30' To 35', Add	38.47	
		For Elevated Installation >35' To 40', Add	48.09	
		For Elevated Installation >40', Add	52.90	
		For Work In Restricted Working Space, Add	28.85	
26 05 33 13-0894		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbows (26 05 33 13-0848)		
26 05 33 13-0895	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	144.97	26.49
		For Elevated Installation >10' To 15', Add	5.30	
		For Elevated Installation >15' To 20', Add	10.59	
		For Elevated Installation >20' To 25', Add	13.24	
		For Elevated Installation >25' To 30', Add	18.54	
		For Elevated Installation >30' To 35', Add	21.19	
		For Elevated Installation >35' To 40', Add	26.49	
		For Elevated Installation >40', Add	29.13	
		For Work In Restricted Working Space, Add	15.89	
26 05 33 13-0896	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	170.75	30.67
		For Elevated Installation >10' To 15', Add	6.13	
		For Elevated Installation >15' To 20', Add	12.27	
		For Elevated Installation >20' To 25', Add	15.34	
		For Elevated Installation >25' To 30', Add	21.47	
		For Elevated Installation >30' To 35', Add	24.54	
		For Elevated Installation >35' To 40', Add	30.67	
		For Elevated Installation >40', Add	33.74	
		For Work In Restricted Working Space, Add	18.40	
26 05 33 13-0897	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	185.05	34.85
		For Elevated Installation >10' To 15', Add	6.97	
		For Elevated Installation >15' To 20', Add	13.94	
		For Elevated Installation >20' To 25', Add	17.43	
		For Elevated Installation >25' To 30', Add	24.40	
		For Elevated Installation >30' To 35', Add	27.88	
		For Elevated Installation >35' To 40', Add	34.85	
		For Elevated Installation >40', Add	38.34	
		For Work In Restricted Working Space, Add	20.91	
26 05 33 13-0898	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	236.37	38.33
		For Elevated Installation >10' To 15', Add	7.67	
		For Elevated Installation >15' To 20', Add	15.33	
		For Elevated Installation >20' To 25', Add	19.17	
		For Elevated Installation >25' To 30', Add	26.83	
		For Elevated Installation >30' To 35', Add	30.67	
		For Elevated Installation >35' To 40', Add	38.34	
		For Elevated Installation >40', Add	42.17	
		For Work In Restricted Working Space, Add	23.00	
26 05 33 13-0899	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	312.36	48.10
		For Elevated Installation >10' To 15', Add	9.62	
		For Elevated Installation >15' To 20', Add	19.24	
		For Elevated Installation >20' To 25', Add	24.05	
		For Elevated Installation >25' To 30', Add	33.66	
		For Elevated Installation >30' To 35', Add	38.47	
		For Elevated Installation >35' To 40', Add	48.09	
		For Elevated Installation >40', Add	52.90	
		For Work In Restricted Working Space, Add	28.85	
26 05 33 13-0900	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	400.62	65.52
		For Elevated Installation >10' To 15', Add	13.10	
		For Elevated Installation >15' To 20', Add	26.21	
		For Elevated Installation >20' To 25', Add	32.76	
		For Elevated Installation >25' To 30', Add	45.86	
		For Elevated Installation >30' To 35', Add	52.41	
		For Elevated Installation >35' To 40', Add	65.52	
		For Elevated Installation >40', Add	72.07	
		For Work In Restricted Working Space, Add	39.31	
26 05 33 13-0901		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbows (26 05 33 13-0848)		
26 05 33 13-0902	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	161.72	26.49
		For Elevated Installation >10' To 15', Add	5.30	
		For Elevated Installation >15' To 20', Add	10.59	
		For Elevated Installation >20' To 25', Add	13.24	
		For Elevated Installation >25' To 30', Add	18.54	
		For Elevated Installation >30' To 35', Add	21.19	
		For Elevated Installation >35' To 40', Add	26.49	
		For Elevated Installation >40', Add	29.13	
		For Work In Restricted Working Space, Add	15.89	
26 05 33 13-0903	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	182.81	30.67
		For Elevated Installation >10' To 15', Add	6.13	
		For Elevated Installation >15' To 20', Add	12.27	
		For Elevated Installation >20' To 25', Add	15.34	
		For Elevated Installation >25' To 30', Add	21.47	
		For Elevated Installation >30' To 35', Add	24.54	
		For Elevated Installation >35' To 40', Add	30.67	
		For Elevated Installation >40', Add	33.74	
		For Work In Restricted Working Space, Add	18.40	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-0904	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	206.35	34.85
		For Elevated Installation >10' To 15', Add	6.97	
		For Elevated Installation >15' To 20', Add	13.94	
		For Elevated Installation >20' To 25', Add	17.43	
		For Elevated Installation >25' To 30', Add	24.40	
		For Elevated Installation >30' To 35', Add	27.88	
		For Elevated Installation >35' To 40', Add	34.85	
		For Elevated Installation >40', Add	38.34	
		For Work In Restricted Working Space, Add	20.91	
26 05 33 13-0905	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	248.38	38.33
		For Elevated Installation >10' To 15', Add	7.67	
		For Elevated Installation >15' To 20', Add	15.33	
		For Elevated Installation >20' To 25', Add	19.17	
		For Elevated Installation >25' To 30', Add	26.83	
		For Elevated Installation >30' To 35', Add	30.67	
		For Elevated Installation >35' To 40', Add	38.34	
		For Elevated Installation >40', Add	42.17	
		For Work In Restricted Working Space, Add	23.00	
26 05 33 13-0906	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	352.47	48.10
		For Elevated Installation >10' To 15', Add	9.62	
		For Elevated Installation >15' To 20', Add	19.24	
		For Elevated Installation >20' To 25', Add	24.05	
		For Elevated Installation >25' To 30', Add	33.66	
		For Elevated Installation >30' To 35', Add	38.47	
		For Elevated Installation >35' To 40', Add	48.09	
		For Elevated Installation >40', Add	52.90	
		For Work In Restricted Working Space, Add	28.85	
26 05 33 13-0907	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	447.71	65.52
		For Elevated Installation >10' To 15', Add	13.10	
		For Elevated Installation >15' To 20', Add	26.21	
		For Elevated Installation >20' To 25', Add	32.76	
		For Elevated Installation >25' To 30', Add	45.86	
		For Elevated Installation >30' To 35', Add	52.41	
		For Elevated Installation >35' To 40', Add	65.52	
		For Elevated Installation >40', Add	72.07	
		For Work In Restricted Working Space, Add	39.31	
26 05 33 13-0908	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	562.90	73.88
		For Elevated Installation >10' To 15', Add	14.78	
		For Elevated Installation >15' To 20', Add	29.55	
		For Elevated Installation >20' To 25', Add	36.94	
		For Elevated Installation >25' To 30', Add	51.72	
		For Elevated Installation >30' To 35', Add	59.11	
		For Elevated Installation >35' To 40', Add	73.89	
		For Elevated Installation >40', Add	81.27	
		For Work In Restricted Working Space, Add	44.33	
26 05 33 13-0909	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	637.58	96.18
		For Elevated Installation >10' To 15', Add	19.24	
		For Elevated Installation >15' To 20', Add	38.47	
		For Elevated Installation >20' To 25', Add	48.09	
		For Elevated Installation >25' To 30', Add	67.33	
		For Elevated Installation >30' To 35', Add	76.95	
		For Elevated Installation >35' To 40', Add	96.19	
		For Elevated Installation >40', Add	105.80	
		For Work In Restricted Working Space, Add	57.71	

26 05 33 13-0910 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbows

26 05 33 13-0911	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	190.66	26.49
		For Elevated Installation >10' To 15', Add	5.30	
		For Elevated Installation >15' To 20', Add	10.59	
		For Elevated Installation >20' To 25', Add	13.24	
		For Elevated Installation >25' To 30', Add	18.54	
		For Elevated Installation >30' To 35', Add	21.19	
		For Elevated Installation >35' To 40', Add	26.49	
		For Elevated Installation >40', Add	29.13	
		For Work In Restricted Working Space, Add	15.89	
26 05 33 13-0912	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	211.11	30.67
		For Elevated Installation >10' To 15', Add	6.13	
		For Elevated Installation >15' To 20', Add	12.27	
		For Elevated Installation >20' To 25', Add	15.34	
		For Elevated Installation >25' To 30', Add	21.47	
		For Elevated Installation >30' To 35', Add	24.54	
		For Elevated Installation >35' To 40', Add	30.67	
		For Elevated Installation >40', Add	33.74	
		For Work In Restricted Working Space, Add	18.40	
26 05 33 13-0913	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	238.49	34.85
		For Elevated Installation >10' To 15', Add	6.97	
		For Elevated Installation >15' To 20', Add	13.94	
		For Elevated Installation >20' To 25', Add	17.43	
		For Elevated Installation >25' To 30', Add	24.40	
		For Elevated Installation >30' To 35', Add	27.88	
		For Elevated Installation >35' To 40', Add	34.85	
		For Elevated Installation >40', Add	38.34	
		For Work In Restricted Working Space, Add	20.91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 13-0914	EA	2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow 294.66	38.33	
			For Elevated Installation >10' To 15', Add	7.67	
			For Elevated Installation >15' To 20', Add	15.33	
			For Elevated Installation >20' To 25', Add	19.17	
			For Elevated Installation >25' To 30', Add	26.63	
			For Elevated Installation >30' To 35', Add	30.67	
			For Elevated Installation >35' To 40', Add	38.34	
			For Elevated Installation >40', Add	42.17	
			For Work In Restricted Working Space, Add	23.00	
26 05 33 13-0915	EA	2-1/2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow 424.26	48.10	
			For Elevated Installation >10' To 15', Add	9.62	
			For Elevated Installation >15' To 20', Add	19.24	
			For Elevated Installation >20' To 25', Add	24.05	
			For Elevated Installation >25' To 30', Add	33.66	
			For Elevated Installation >30' To 35', Add	38.47	
			For Elevated Installation >35' To 40', Add	48.09	
			For Elevated Installation >40', Add	52.90	
			For Work In Restricted Working Space, Add	28.85	
26 05 33 13-0916	EA	3"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow 527.50	65.52	
			For Elevated Installation >10' To 15', Add	13.10	
			For Elevated Installation >15' To 20', Add	26.21	
			For Elevated Installation >20' To 25', Add	32.76	
			For Elevated Installation >25' To 30', Add	45.86	
			For Elevated Installation >30' To 35', Add	52.41	
			For Elevated Installation >35' To 40', Add	65.52	
			For Elevated Installation >40', Add	72.07	
			For Work In Restricted Working Space, Add	39.31	
26 05 33 13-0917	EA	3-1/2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow 611.61	73.88	
			For Elevated Installation >10' To 15', Add	14.78	
			For Elevated Installation >15' To 20', Add	29.55	
			For Elevated Installation >20' To 25', Add	36.94	
			For Elevated Installation >25' To 30', Add	51.72	
			For Elevated Installation >30' To 35', Add	59.11	
			For Elevated Installation >35' To 40', Add	73.89	
			For Elevated Installation >40', Add	81.27	
			For Work In Restricted Working Space, Add	44.33	
26 05 33 13-0918	EA	4"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow 727.01	96.18	
			For Elevated Installation >10' To 15', Add	19.24	
			For Elevated Installation >15' To 20', Add	38.47	
			For Elevated Installation >20' To 25', Add	48.09	
			For Elevated Installation >25' To 30', Add	67.33	
			For Elevated Installation >30' To 35', Add	76.95	
			For Elevated Installation >35' To 40', Add	96.19	
			For Elevated Installation >40', Add	105.80	
			For Work In Restricted Working Space, Add	57.71	
26 05 33 13-0919			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbows (26 05 33 13-0848)		
26 05 33 13-0920	EA	1"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow 213.18	26.49	
			For Elevated Installation >10' To 15', Add	5.30	
			For Elevated Installation >15' To 20', Add	10.59	
			For Elevated Installation >20' To 25', Add	13.24	
			For Elevated Installation >25' To 30', Add	18.54	
			For Elevated Installation >30' To 35', Add	21.19	
			For Elevated Installation >35' To 40', Add	26.49	
			For Elevated Installation >40', Add	29.13	
			For Work In Restricted Working Space, Add	15.89	
26 05 33 13-0921	EA	1-1/4"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow 237.46	30.67	
			For Elevated Installation >10' To 15', Add	6.13	
			For Elevated Installation >15' To 20', Add	12.27	
			For Elevated Installation >20' To 25', Add	15.34	
			For Elevated Installation >25' To 30', Add	21.47	
			For Elevated Installation >30' To 35', Add	24.54	
			For Elevated Installation >35' To 40', Add	30.67	
			For Elevated Installation >40', Add	33.74	
			For Work In Restricted Working Space, Add	18.40	
26 05 33 13-0922	EA	1-1/2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow 270.12	34.85	
			For Elevated Installation >10' To 15', Add	6.97	
			For Elevated Installation >15' To 20', Add	13.94	
			For Elevated Installation >20' To 25', Add	17.43	
			For Elevated Installation >25' To 30', Add	24.40	
			For Elevated Installation >30' To 35', Add	27.88	
			For Elevated Installation >35' To 40', Add	34.85	
			For Elevated Installation >40', Add	38.34	
			For Work In Restricted Working Space, Add	20.91	
26 05 33 13-0923	EA	2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow 334.94	38.33	
			For Elevated Installation >10' To 15', Add	7.67	
			For Elevated Installation >15' To 20', Add	15.33	
			For Elevated Installation >20' To 25', Add	19.17	
			For Elevated Installation >25' To 30', Add	26.63	
			For Elevated Installation >30' To 35', Add	30.67	
			For Elevated Installation >35' To 40', Add	38.34	
			For Elevated Installation >40', Add	42.17	
			For Work In Restricted Working Space, Add	23.00	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-0924	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	463.43	48.10
		For Elevated Installation >10' To 15', Add	9.62	
		For Elevated Installation >15' To 20', Add	19.24	
		For Elevated Installation >20' To 25', Add	24.05	
		For Elevated Installation >25' To 30', Add	33.66	
		For Elevated Installation >30' To 35', Add	38.47	
		For Elevated Installation >35' To 40', Add	48.09	
		For Elevated Installation >40', Add	52.90	
		For Work In Restricted Working Space, Add	28.85	
26 05 33 13-0925	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	591.32	65.52
		For Elevated Installation >10' To 15', Add	13.10	
		For Elevated Installation >15' To 20', Add	26.21	
		For Elevated Installation >20' To 25', Add	32.76	
		For Elevated Installation >25' To 30', Add	45.86	
		For Elevated Installation >30' To 35', Add	52.41	
		For Elevated Installation >35' To 40', Add	65.52	
		For Elevated Installation >40', Add	72.07	
		For Work In Restricted Working Space, Add	39.31	
26 05 33 13-0926	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	730.06	73.88
		For Elevated Installation >10' To 15', Add	14.78	
		For Elevated Installation >15' To 20', Add	29.55	
		For Elevated Installation >20' To 25', Add	36.94	
		For Elevated Installation >25' To 30', Add	51.72	
		For Elevated Installation >30' To 35', Add	59.11	
		For Elevated Installation >35' To 40', Add	73.89	
		For Elevated Installation >40', Add	81.27	
		For Work In Restricted Working Space, Add	44.33	
26 05 33 13-0927	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	809.11	96.18
		For Elevated Installation >10' To 15', Add	19.24	
		For Elevated Installation >15' To 20', Add	38.47	
		For Elevated Installation >20' To 25', Add	48.09	
		For Elevated Installation >25' To 30', Add	67.33	
		For Elevated Installation >30' To 35', Add	76.95	
		For Elevated Installation >35' To 40', Add	96.19	
		For Elevated Installation >40', Add	105.80	
		For Work In Restricted Working Space, Add	57.71	
26 05 33 13-0928	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	1,348.03	156.82
		For Elevated Installation >10' To 15', Add	31.37	
		For Elevated Installation >15' To 20', Add	62.73	
		For Elevated Installation >20' To 25', Add	78.41	
		For Elevated Installation >25' To 30', Add	109.78	
		For Elevated Installation >30' To 35', Add	125.46	
		For Elevated Installation >35' To 40', Add	156.83	
		For Elevated Installation >40', Add	172.51	
		For Work In Restricted Working Space, Add	94.10	

26 05 33 13-0929 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbows

(26 05 33 13-0848)

26 05 33 13-0930	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	242.63	26.49
		For Elevated Installation >10' To 15', Add	5.30	
		For Elevated Installation >15' To 20', Add	10.59	
		For Elevated Installation >20' To 25', Add	13.24	
		For Elevated Installation >25' To 30', Add	18.54	
		For Elevated Installation >30' To 35', Add	21.19	
		For Elevated Installation >35' To 40', Add	26.49	
		For Elevated Installation >40', Add	29.13	
		For Work In Restricted Working Space, Add	15.89	
26 05 33 13-0931	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	269.30	30.67
		For Elevated Installation >10' To 15', Add	6.13	
		For Elevated Installation >15' To 20', Add	12.27	
		For Elevated Installation >20' To 25', Add	15.34	
		For Elevated Installation >25' To 30', Add	21.47	
		For Elevated Installation >30' To 35', Add	24.54	
		For Elevated Installation >35' To 40', Add	30.67	
		For Elevated Installation >40', Add	33.74	
		For Work In Restricted Working Space, Add	18.40	
26 05 33 13-0932	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	304.80	34.85
		For Elevated Installation >10' To 15', Add	6.97	
		For Elevated Installation >15' To 20', Add	13.94	
		For Elevated Installation >20' To 25', Add	17.43	
		For Elevated Installation >25' To 30', Add	24.40	
		For Elevated Installation >30' To 35', Add	27.88	
		For Elevated Installation >35' To 40', Add	34.85	
		For Elevated Installation >40', Add	38.34	
		For Work In Restricted Working Space, Add	20.91	
26 05 33 13-0933	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	379.62	38.33
		For Elevated Installation >10' To 15', Add	7.67	
		For Elevated Installation >15' To 20', Add	15.33	
		For Elevated Installation >20' To 25', Add	19.17	
		For Elevated Installation >25' To 30', Add	26.83	
		For Elevated Installation >30' To 35', Add	30.67	
		For Elevated Installation >35' To 40', Add	38.34	
		For Elevated Installation >40', Add	42.17	
		For Work In Restricted Working Space, Add	23.00	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0934	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	528.70	48.10
		For Elevated Installation >10' To 15', Add	9.62	
		For Elevated Installation >15' To 20', Add	19.24	
		For Elevated Installation >20' To 25', Add	24.05	
		For Elevated Installation >25' To 30', Add	33.66	
		For Elevated Installation >30' To 35', Add	38.47	
		For Elevated Installation >35' To 40', Add	48.09	
		For Elevated Installation >40', Add	52.90	
		For Work In Restricted Working Space, Add	28.85	
26 05 33 13-0935	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	672.63	65.52
		For Elevated Installation >10' To 15', Add	13.10	
		For Elevated Installation >15' To 20', Add	26.21	
		For Elevated Installation >20' To 25', Add	32.76	
		For Elevated Installation >25' To 30', Add	45.86	
		For Elevated Installation >30' To 35', Add	52.41	
		For Elevated Installation >35' To 40', Add	65.52	
		For Elevated Installation >40', Add	72.07	
		For Work In Restricted Working Space, Add	39.31	
26 05 33 13-0936	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	789.41	73.88
		For Elevated Installation >10' To 15', Add	14.78	
		For Elevated Installation >15' To 20', Add	29.55	
		For Elevated Installation >20' To 25', Add	36.94	
		For Elevated Installation >25' To 30', Add	51.72	
		For Elevated Installation >30' To 35', Add	59.11	
		For Elevated Installation >35' To 40', Add	73.89	
		For Elevated Installation >40', Add	81.27	
		For Work In Restricted Working Space, Add	44.33	
26 05 33 13-0937	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	915.10	96.18
		For Elevated Installation >10' To 15', Add	19.24	
		For Elevated Installation >15' To 20', Add	38.47	
		For Elevated Installation >20' To 25', Add	48.09	
		For Elevated Installation >25' To 30', Add	67.33	
		For Elevated Installation >30' To 35', Add	76.95	
		For Elevated Installation >35' To 40', Add	96.19	
		For Elevated Installation >40', Add	105.80	
		For Work In Restricted Working Space, Add	57.71	
26 05 33 13-0938	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	1,422.31	156.82
		For Elevated Installation >10' To 15', Add	31.37	
		For Elevated Installation >15' To 20', Add	62.73	
		For Elevated Installation >20' To 25', Add	78.41	
		For Elevated Installation >25' To 30', Add	109.78	
		For Elevated Installation >30' To 35', Add	125.46	
		For Elevated Installation >35' To 40', Add	156.83	
		For Elevated Installation >40', Add	172.51	
		For Work In Restricted Working Space, Add	94.10	
26 05 33 13-0939	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	1,950.37	235.59
		For Elevated Installation >10' To 15', Add	47.12	
		For Elevated Installation >15' To 20', Add	94.24	
		For Elevated Installation >20' To 25', Add	117.80	
		For Elevated Installation >25' To 30', Add	164.91	
		For Elevated Installation >30' To 35', Add	188.47	
		For Elevated Installation >35' To 40', Add	235.59	
		For Elevated Installation >40', Add	259.15	
		For Work In Restricted Working Space, Add	141.35	
26 05 33 13-0940 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbows (26 05 33 13-0848)				
26 05 33 13-0941	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	283.62	26.49
		For Elevated Installation >10' To 15', Add	5.30	
		For Elevated Installation >15' To 20', Add	10.59	
		For Elevated Installation >20' To 25', Add	13.24	
		For Elevated Installation >25' To 30', Add	18.54	
		For Elevated Installation >30' To 35', Add	21.19	
		For Elevated Installation >35' To 40', Add	26.49	
		For Elevated Installation >40', Add	29.13	
		For Work In Restricted Working Space, Add	15.89	
26 05 33 13-0942	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	297.68	30.67
		For Elevated Installation >10' To 15', Add	6.13	
		For Elevated Installation >15' To 20', Add	12.27	
		For Elevated Installation >20' To 25', Add	15.34	
		For Elevated Installation >25' To 30', Add	21.47	
		For Elevated Installation >30' To 35', Add	24.54	
		For Elevated Installation >35' To 40', Add	30.67	
		For Elevated Installation >40', Add	33.74	
		For Work In Restricted Working Space, Add	18.40	
26 05 33 13-0943	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	351.20	34.85
		For Elevated Installation >10' To 15', Add	6.97	
		For Elevated Installation >15' To 20', Add	13.94	
		For Elevated Installation >20' To 25', Add	17.43	
		For Elevated Installation >25' To 30', Add	24.40	
		For Elevated Installation >30' To 35', Add	27.88	
		For Elevated Installation >35' To 40', Add	34.85	
		For Elevated Installation >40', Add	38.34	
		For Work In Restricted Working Space, Add	20.91	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-0944	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	441.82	38.33
		For Elevated Installation >10' To 15', Add	7.67	
		For Elevated Installation >15' To 20', Add	15.33	
		For Elevated Installation >20' To 25', Add	19.17	
		For Elevated Installation >25' To 30', Add	26.83	
		For Elevated Installation >30' To 35', Add	30.67	
		For Elevated Installation >35' To 40', Add	38.34	
		For Elevated Installation >40', Add	42.17	
		For Work In Restricted Working Space, Add	23.00	
26 05 33 13-0945	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	616.72	48.10
		For Elevated Installation >10' To 15', Add	9.62	
		For Elevated Installation >15' To 20', Add	19.24	
		For Elevated Installation >20' To 25', Add	24.05	
		For Elevated Installation >25' To 30', Add	33.67	
		For Elevated Installation >30' To 35', Add	38.48	
		For Elevated Installation >35' To 40', Add	48.10	
		For Elevated Installation >40', Add	52.90	
		For Work In Restricted Working Space, Add	28.86	
26 05 33 13-0946	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	782.24	65.52
		For Elevated Installation >10' To 15', Add	13.10	
		For Elevated Installation >15' To 20', Add	26.21	
		For Elevated Installation >20' To 25', Add	32.76	
		For Elevated Installation >25' To 30', Add	45.86	
		For Elevated Installation >30' To 35', Add	52.41	
		For Elevated Installation >35' To 40', Add	65.52	
		For Elevated Installation >40', Add	72.07	
		For Work In Restricted Working Space, Add	39.31	
26 05 33 13-0947	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	954.42	73.88
		For Elevated Installation >10' To 15', Add	14.78	
		For Elevated Installation >15' To 20', Add	29.55	
		For Elevated Installation >20' To 25', Add	36.94	
		For Elevated Installation >25' To 30', Add	51.72	
		For Elevated Installation >30' To 35', Add	59.11	
		For Elevated Installation >35' To 40', Add	73.89	
		For Elevated Installation >40', Add	81.27	
		For Work In Restricted Working Space, Add	44.33	
26 05 33 13-0948	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	1,121.28	96.18
		For Elevated Installation >10' To 15', Add	19.24	
		For Elevated Installation >15' To 20', Add	38.47	
		For Elevated Installation >20' To 25', Add	48.09	
		For Elevated Installation >25' To 30', Add	67.33	
		For Elevated Installation >30' To 35', Add	76.95	
		For Elevated Installation >35' To 40', Add	96.19	
		For Elevated Installation >40', Add	105.80	
		For Work In Restricted Working Space, Add	57.71	
26 05 33 13-0949	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	1,664.59	156.82
		For Elevated Installation >10' To 15', Add	31.37	
		For Elevated Installation >15' To 20', Add	62.73	
		For Elevated Installation >20' To 25', Add	78.41	
		For Elevated Installation >25' To 30', Add	109.78	
		For Elevated Installation >30' To 35', Add	125.46	
		For Elevated Installation >35' To 40', Add	156.83	
		For Elevated Installation >40', Add	172.51	
		For Work In Restricted Working Space, Add	94.10	
26 05 33 13-0950	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	2,061.58	235.59
		For Elevated Installation >10' To 15', Add	47.12	
		For Elevated Installation >15' To 20', Add	94.24	
		For Elevated Installation >20' To 25', Add	117.80	
		For Elevated Installation >25' To 30', Add	164.91	
		For Elevated Installation >30' To 35', Add	188.47	
		For Elevated Installation >35' To 40', Add	235.59	
		For Elevated Installation >40', Add	259.15	
		For Work In Restricted Working Space, Add	141.35	

26 05 33 13-0951 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbows

(26 05 33 13-0948)

26 05 33 13-0952	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	293.50	26.49
		For Elevated Installation >10' To 15', Add	5.30	
		For Elevated Installation >15' To 20', Add	10.59	
		For Elevated Installation >20' To 25', Add	13.24	
		For Elevated Installation >25' To 30', Add	18.54	
		For Elevated Installation >30' To 35', Add	21.19	
		For Elevated Installation >35' To 40', Add	26.49	
		For Elevated Installation >40', Add	29.13	
		For Work In Restricted Working Space, Add	15.89	
26 05 33 13-0953	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	345.68	30.67
		For Elevated Installation >10' To 15', Add	6.13	
		For Elevated Installation >15' To 20', Add	12.27	
		For Elevated Installation >20' To 25', Add	15.34	
		For Elevated Installation >25' To 30', Add	21.47	
		For Elevated Installation >30' To 35', Add	24.54	
		For Elevated Installation >35' To 40', Add	30.67	
		For Elevated Installation >40', Add	33.74	
		For Work In Restricted Working Space, Add	18.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0954	EA	1-1/2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	391.33	34.85
			For Elevated Installation >10' To 15', Add	6.97	
			For Elevated Installation >15' To 20', Add	13.94	
			For Elevated Installation >20' To 25', Add	17.43	
			For Elevated Installation >25' To 30', Add	24.40	
			For Elevated Installation >30' To 35', Add	27.88	
			For Elevated Installation >35' To 40', Add	34.85	
			For Elevated Installation >40', Add	38.34	
			For Work In Restricted Working Space, Add	20.91	
26 05 33 13-0955	EA	2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	460.52	38.33
			For Elevated Installation >10' To 15', Add	7.67	
			For Elevated Installation >15' To 20', Add	15.33	
			For Elevated Installation >20' To 25', Add	19.17	
			For Elevated Installation >25' To 30', Add	26.83	
			For Elevated Installation >30' To 35', Add	30.67	
			For Elevated Installation >35' To 40', Add	38.34	
			For Elevated Installation >40', Add	42.17	
			For Work In Restricted Working Space, Add	23.00	
26 05 33 13-0956	EA	2-1/2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	638.70	48.10
			For Elevated Installation >10' To 15', Add	9.62	
			For Elevated Installation >15' To 20', Add	19.24	
			For Elevated Installation >20' To 25', Add	24.05	
			For Elevated Installation >25' To 30', Add	33.67	
			For Elevated Installation >30' To 35', Add	38.48	
			For Elevated Installation >35' To 40', Add	48.10	
			For Elevated Installation >40', Add	52.90	
			For Work In Restricted Working Space, Add	28.86	
26 05 33 13-0957	EA	3"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	815.96	65.52
			For Elevated Installation >10' To 15', Add	13.10	
			For Elevated Installation >15' To 20', Add	26.21	
			For Elevated Installation >20' To 25', Add	32.76	
			For Elevated Installation >25' To 30', Add	45.86	
			For Elevated Installation >30' To 35', Add	52.41	
			For Elevated Installation >35' To 40', Add	65.52	
			For Elevated Installation >40', Add	72.07	
			For Work In Restricted Working Space, Add	39.31	
26 05 33 13-0958	EA	3-1/2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	1,044.28	73.88
			For Elevated Installation >10' To 15', Add	14.78	
			For Elevated Installation >15' To 20', Add	29.55	
			For Elevated Installation >20' To 25', Add	36.94	
			For Elevated Installation >25' To 30', Add	51.72	
			For Elevated Installation >30' To 35', Add	59.11	
			For Elevated Installation >35' To 40', Add	73.89	
			For Elevated Installation >40', Add	81.27	
			For Work In Restricted Working Space, Add	44.33	
26 05 33 13-0959	EA	4"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	1,168.04	96.18
			For Elevated Installation >10' To 15', Add	19.24	
			For Elevated Installation >15' To 20', Add	38.47	
			For Elevated Installation >20' To 25', Add	48.09	
			For Elevated Installation >25' To 30', Add	67.33	
			For Elevated Installation >30' To 35', Add	76.95	
			For Elevated Installation >35' To 40', Add	96.19	
			For Elevated Installation >40', Add	105.80	
			For Work In Restricted Working Space, Add	57.71	
26 05 33 13-0960	EA	5"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	1,729.68	156.82
			For Elevated Installation >10' To 15', Add	31.37	
			For Elevated Installation >15' To 20', Add	62.73	
			For Elevated Installation >20' To 25', Add	78.41	
			For Elevated Installation >25' To 30', Add	109.78	
			For Elevated Installation >30' To 35', Add	125.46	
			For Elevated Installation >35' To 40', Add	156.83	
			For Elevated Installation >40', Add	172.51	
			For Work In Restricted Working Space, Add	94.10	
26 05 33 13-0961	EA	6"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	2,118.09	235.59
			For Elevated Installation >10' To 15', Add	47.12	
			For Elevated Installation >15' To 20', Add	94.24	
			For Elevated Installation >20' To 25', Add	117.80	
			For Elevated Installation >25' To 30', Add	164.91	
			For Elevated Installation >30' To 35', Add	188.47	
			For Elevated Installation >35' To 40', Add	235.59	
			For Elevated Installation >40', Add	259.15	
			For Work In Restricted Working Space, Add	141.35	
26 05 33 13-0962			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealight Fittings (26 05 33 13-0848)		
26 05 33 13-0963	EA	1/2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealight Fitting.....	108.77	17.43
			For Elevated Installation >10' To 15', Add	3.49	
			For Elevated Installation >15' To 20', Add	6.97	
			For Elevated Installation >20' To 25', Add	8.71	
			For Elevated Installation >25' To 30', Add	12.20	
			For Elevated Installation >30' To 35', Add	13.94	
			For Elevated Installation >35' To 40', Add	17.43	
			For Elevated Installation >40', Add	19.17	
			For Work In Restricted Working Space, Add	10.46	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.46	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-0964	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting.....	133.17	23.00
		For Elevated Installation >10' To 15', Add	4.60	
		For Elevated Installation >15' To 20', Add	9.20	
		For Elevated Installation >20' To 25', Add	11.50	
		For Elevated Installation >25' To 30', Add	16.10	
		For Elevated Installation >30' To 35', Add	18.40	
		For Elevated Installation >35' To 40', Add	23.00	
		For Elevated Installation >40', Add	25.30	
		For Work In Restricted Working Space, Add	13.80	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.80	
26 05 33 13-0965	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting.....	177.46	26.49
		For Elevated Installation >10' To 15', Add	5.30	
		For Elevated Installation >15' To 20', Add	10.59	
		For Elevated Installation >20' To 25', Add	13.24	
		For Elevated Installation >25' To 30', Add	18.54	
		For Elevated Installation >30' To 35', Add	21.19	
		For Elevated Installation >35' To 40', Add	26.49	
		For Elevated Installation >40', Add	29.13	
		For Work In Restricted Working Space, Add	15.89	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.89	
26 05 33 13-0966	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting.....	291.20	30.67
		For Elevated Installation >10' To 15', Add	6.13	
		For Elevated Installation >15' To 20', Add	12.27	
		For Elevated Installation >20' To 25', Add	15.33	
		For Elevated Installation >25' To 30', Add	21.47	
		For Elevated Installation >30' To 35', Add	24.53	
		For Elevated Installation >35' To 40', Add	30.67	
		For Elevated Installation >40', Add	33.73	
		For Work In Restricted Working Space, Add	18.40	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.40	
26 05 33 13-0967	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting.....	321.55	34.85
		For Elevated Installation >10' To 15', Add	6.97	
		For Elevated Installation >15' To 20', Add	13.94	
		For Elevated Installation >20' To 25', Add	17.43	
		For Elevated Installation >25' To 30', Add	24.40	
		For Elevated Installation >30' To 35', Add	27.88	
		For Elevated Installation >35' To 40', Add	34.85	
		For Elevated Installation >40', Add	38.34	
		For Work In Restricted Working Space, Add	20.91	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.91	
26 05 33 13-0968	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting.....	406.17	38.33
		For Elevated Installation >10' To 15', Add	7.67	
		For Elevated Installation >15' To 20', Add	15.33	
		For Elevated Installation >20' To 25', Add	19.17	
		For Elevated Installation >25' To 30', Add	26.83	
		For Elevated Installation >30' To 35', Add	30.67	
		For Elevated Installation >35' To 40', Add	38.34	
		For Elevated Installation >40', Add	42.17	
		For Work In Restricted Working Space, Add	23.00	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.00	
26 05 33 13-0969	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting.....	1,105.53	48.10
		For Elevated Installation >10' To 15', Add	9.62	
		For Elevated Installation >15' To 20', Add	19.24	
		For Elevated Installation >20' To 25', Add	24.05	
		For Elevated Installation >25' To 30', Add	33.66	
		For Elevated Installation >30' To 35', Add	38.47	
		For Elevated Installation >35' To 40', Add	48.09	
		For Elevated Installation >40', Add	52.90	
		For Work In Restricted Working Space, Add	28.85	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.85	
26 05 33 13-0970	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting.....	1,319.67	65.52
		For Elevated Installation >10' To 15', Add	13.10	
		For Elevated Installation >15' To 20', Add	26.21	
		For Elevated Installation >20' To 25', Add	32.76	
		For Elevated Installation >25' To 30', Add	45.86	
		For Elevated Installation >30' To 35', Add	52.42	
		For Elevated Installation >35' To 40', Add	65.52	
		For Elevated Installation >40', Add	72.07	
		For Work In Restricted Working Space, Add	39.31	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	39.31	
26 05 33 13-0971	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting.....	1,753.62	96.18
		For Elevated Installation >10' To 15', Add	19.24	
		For Elevated Installation >15' To 20', Add	38.47	
		For Elevated Installation >20' To 25', Add	48.09	
		For Elevated Installation >25' To 30', Add	67.33	
		For Elevated Installation >30' To 35', Add	76.94	
		For Elevated Installation >35' To 40', Add	96.18	
		For Elevated Installation >40', Add	105.80	
		For Work In Restricted Working Space, Add	57.71	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	57.71	

 26 05 33 13-0972 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel
 (RGS) 90 Degree Sealtight Fittings (26 05 33 13-0848)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0973	EA	1/2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting.....	104.28	17.43
			For Elevated Installation >10' To 15', Add	3.49	
			For Elevated Installation >15' To 20', Add	6.97	
			For Elevated Installation >20' To 25', Add	8.71	
			For Elevated Installation >25' To 30', Add	12.20	
			For Elevated Installation >30' To 35', Add	13.94	
			For Elevated Installation >35' To 40', Add	17.43	
			For Elevated Installation >40', Add	19.17	
			For Work In Restricted Working Space, Add	10.46	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.46	
26 05 33 13-0974	EA	3/4"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting.....	128.10	23.00
			For Elevated Installation >10' To 15', Add	4.60	
			For Elevated Installation >15' To 20', Add	9.20	
			For Elevated Installation >20' To 25', Add	11.50	
			For Elevated Installation >25' To 30', Add	16.10	
			For Elevated Installation >30' To 35', Add	18.40	
			For Elevated Installation >35' To 40', Add	23.00	
			For Elevated Installation >40', Add	25.30	
			For Work In Restricted Working Space, Add	13.80	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.80	
26 05 33 13-0975	EA	1"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting.....	177.46	26.49
			For Elevated Installation >10' To 15', Add	5.30	
			For Elevated Installation >15' To 20', Add	10.59	
			For Elevated Installation >20' To 25', Add	13.24	
			For Elevated Installation >25' To 30', Add	18.54	
			For Elevated Installation >30' To 35', Add	21.19	
			For Elevated Installation >35' To 40', Add	26.49	
			For Elevated Installation >40', Add	29.13	
			For Work In Restricted Working Space, Add	15.89	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.89	
26 05 33 13-0976	EA	1-1/4"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting.....	288.58	30.67
			For Elevated Installation >10' To 15', Add	6.13	
			For Elevated Installation >15' To 20', Add	12.27	
			For Elevated Installation >20' To 25', Add	15.33	
			For Elevated Installation >25' To 30', Add	21.47	
			For Elevated Installation >30' To 35', Add	24.53	
			For Elevated Installation >35' To 40', Add	30.67	
			For Elevated Installation >40', Add	33.73	
			For Work In Restricted Working Space, Add	18.40	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.40	
26 05 33 13-0977	EA	1-1/2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting.....	311.01	34.85
			For Elevated Installation >10' To 15', Add	6.97	
			For Elevated Installation >15' To 20', Add	13.94	
			For Elevated Installation >20' To 25', Add	17.43	
			For Elevated Installation >25' To 30', Add	24.40	
			For Elevated Installation >30' To 35', Add	27.88	
			For Elevated Installation >35' To 40', Add	34.85	
			For Elevated Installation >40', Add	38.34	
			For Work In Restricted Working Space, Add	20.91	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.91	
26 05 33 13-0978	EA	2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting.....	406.30	38.33
			For Elevated Installation >10' To 15', Add	7.67	
			For Elevated Installation >15' To 20', Add	15.33	
			For Elevated Installation >20' To 25', Add	19.17	
			For Elevated Installation >25' To 30', Add	26.83	
			For Elevated Installation >30' To 35', Add	30.67	
			For Elevated Installation >35' To 40', Add	38.34	
			For Elevated Installation >40', Add	42.17	
			For Work In Restricted Working Space, Add	23.00	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.00	
26 05 33 13-0979	EA	2-1/2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting.....	1,060.58	48.10
			For Elevated Installation >10' To 15', Add	9.62	
			For Elevated Installation >15' To 20', Add	19.24	
			For Elevated Installation >20' To 25', Add	24.05	
			For Elevated Installation >25' To 30', Add	33.66	
			For Elevated Installation >30' To 35', Add	38.47	
			For Elevated Installation >35' To 40', Add	48.09	
			For Elevated Installation >40', Add	52.90	
			For Work In Restricted Working Space, Add	28.85	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.85	
26 05 33 13-0980	EA	3"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting.....	1,286.87	65.52
			For Elevated Installation >10' To 15', Add	13.10	
			For Elevated Installation >15' To 20', Add	26.21	
			For Elevated Installation >20' To 25', Add	32.76	
			For Elevated Installation >25' To 30', Add	45.86	
			For Elevated Installation >30' To 35', Add	52.42	
			For Elevated Installation >35' To 40', Add	65.52	
			For Elevated Installation >40', Add	72.07	
			For Work In Restricted Working Space, Add	39.31	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	39.31	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-0981	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	1,753.54	96.18
		For Elevated Installation >10' To 15', Add	19.24	
		For Elevated Installation >15' To 20', Add	38.47	
		For Elevated Installation >20' To 25', Add	48.09	
		For Elevated Installation >25' To 30', Add	67.33	
		For Elevated Installation >30' To 35', Add	76.94	
		For Elevated Installation >35' To 40', Add	96.18	
		For Elevated Installation >40', Add	105.80	
		For Work In Restricted Working Space, Add	57.71	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	57.71	

26 05 33 13-0982 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fittings

(26 05 33 13-0848)

26 05 33 13-0983	EA	3/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	94.33	17.43
		For Elevated Installation >10' To 15', Add	3.49	
		For Elevated Installation >15' To 20', Add	6.97	
		For Elevated Installation >20' To 25', Add	8.71	
		For Elevated Installation >25' To 30', Add	12.20	
		For Elevated Installation >30' To 35', Add	13.94	
		For Elevated Installation >35' To 40', Add	17.43	
		For Elevated Installation >40', Add	19.17	
		For Work In Restricted Working Space, Add	10.46	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.46	
26 05 33 13-0984	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	112.99	23.00
		For Elevated Installation >10' To 15', Add	4.60	
		For Elevated Installation >15' To 20', Add	9.20	
		For Elevated Installation >20' To 25', Add	11.50	
		For Elevated Installation >25' To 30', Add	16.10	
		For Elevated Installation >30' To 35', Add	18.40	
		For Elevated Installation >35' To 40', Add	23.00	
		For Elevated Installation >40', Add	25.30	
		For Work In Restricted Working Space, Add	13.80	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.80	
26 05 33 13-0985	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	133.32	26.49
		For Elevated Installation >10' To 15', Add	5.30	
		For Elevated Installation >15' To 20', Add	10.59	
		For Elevated Installation >20' To 25', Add	13.24	
		For Elevated Installation >25' To 30', Add	18.54	
		For Elevated Installation >30' To 35', Add	21.19	
		For Elevated Installation >35' To 40', Add	26.49	
		For Elevated Installation >40', Add	29.13	
		For Work In Restricted Working Space, Add	15.89	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.89	
26 05 33 13-0986	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	189.25	30.67
		For Elevated Installation >10' To 15', Add	6.13	
		For Elevated Installation >15' To 20', Add	12.27	
		For Elevated Installation >20' To 25', Add	15.33	
		For Elevated Installation >25' To 30', Add	21.47	
		For Elevated Installation >30' To 35', Add	24.53	
		For Elevated Installation >35' To 40', Add	30.67	
		For Elevated Installation >40', Add	33.73	
		For Work In Restricted Working Space, Add	18.40	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.40	
26 05 33 13-0987	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	221.05	34.85
		For Elevated Installation >10' To 15', Add	6.97	
		For Elevated Installation >15' To 20', Add	13.94	
		For Elevated Installation >20' To 25', Add	17.43	
		For Elevated Installation >25' To 30', Add	24.40	
		For Elevated Installation >30' To 35', Add	27.88	
		For Elevated Installation >35' To 40', Add	34.85	
		For Elevated Installation >40', Add	38.34	
		For Work In Restricted Working Space, Add	20.91	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.91	
26 05 33 13-0988	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	341.29	38.33
		For Elevated Installation >10' To 15', Add	7.67	
		For Elevated Installation >15' To 20', Add	15.33	
		For Elevated Installation >20' To 25', Add	19.17	
		For Elevated Installation >25' To 30', Add	26.83	
		For Elevated Installation >30' To 35', Add	30.67	
		For Elevated Installation >35' To 40', Add	38.34	
		For Elevated Installation >40', Add	42.17	
		For Work In Restricted Working Space, Add	23.00	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.00	
26 05 33 13-0989	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	935.37	48.10
		For Elevated Installation >10' To 15', Add	9.62	
		For Elevated Installation >15' To 20', Add	19.24	
		For Elevated Installation >20' To 25', Add	24.05	
		For Elevated Installation >25' To 30', Add	33.66	
		For Elevated Installation >30' To 35', Add	38.47	
		For Elevated Installation >35' To 40', Add	48.09	
		For Elevated Installation >40', Add	52.90	
		For Work In Restricted Working Space, Add	28.85	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.85	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0990	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	1,053.02	65.52
		For Elevated Installation >10' To 15', Add	13.10	
		For Elevated Installation >15' To 20', Add	26.21	
		For Elevated Installation >20' To 25', Add	32.76	
		For Elevated Installation >25' To 30', Add	45.86	
		For Elevated Installation >30' To 35', Add	52.42	
		For Elevated Installation >35' To 40', Add	65.52	
		For Elevated Installation >40', Add	72.07	
		For Work In Restricted Working Space, Add	39.31	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	39.31	
26 05 33 13-0991	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	1,344.94	96.18
		For Elevated Installation >10' To 15', Add	19.24	
		For Elevated Installation >15' To 20', Add	38.47	
		For Elevated Installation >20' To 25', Add	48.09	
		For Elevated Installation >25' To 30', Add	67.33	
		For Elevated Installation >30' To 35', Add	76.94	
		For Elevated Installation >35' To 40', Add	96.18	
		For Elevated Installation >40', Add	105.80	
		For Work In Restricted Working Space, Add	57.71	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	57.71	
26 05 33 13-0992		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fittings (26 05 33 13-0848)		
26 05 33 13-0993	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	160.89	17.43
		For Elevated Installation >10' To 15', Add	3.49	
		For Elevated Installation >15' To 20', Add	6.97	
		For Elevated Installation >20' To 25', Add	8.71	
		For Elevated Installation >25' To 30', Add	12.20	
		For Elevated Installation >30' To 35', Add	13.94	
		For Elevated Installation >35' To 40', Add	17.43	
		For Elevated Installation >40', Add	19.17	
		For Work In Restricted Working Space, Add	10.46	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.46	
26 05 33 13-0994	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	242.43	23.00
		For Elevated Installation >10' To 15', Add	4.60	
		For Elevated Installation >15' To 20', Add	9.20	
		For Elevated Installation >20' To 25', Add	11.50	
		For Elevated Installation >25' To 30', Add	16.10	
		For Elevated Installation >30' To 35', Add	18.40	
		For Elevated Installation >35' To 40', Add	23.00	
		For Elevated Installation >40', Add	25.30	
		For Work In Restricted Working Space, Add	13.80	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.80	
26 05 33 13-0995	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	304.74	26.49
		For Elevated Installation >10' To 15', Add	5.30	
		For Elevated Installation >15' To 20', Add	10.59	
		For Elevated Installation >20' To 25', Add	13.24	
		For Elevated Installation >25' To 30', Add	18.54	
		For Elevated Installation >30' To 35', Add	21.19	
		For Elevated Installation >35' To 40', Add	26.49	
		For Elevated Installation >40', Add	29.13	
		For Work In Restricted Working Space, Add	15.89	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.89	
26 05 33 13-0996	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	351.77	30.67
		For Elevated Installation >10' To 15', Add	6.13	
		For Elevated Installation >15' To 20', Add	12.27	
		For Elevated Installation >20' To 25', Add	15.33	
		For Elevated Installation >25' To 30', Add	21.47	
		For Elevated Installation >30' To 35', Add	24.53	
		For Elevated Installation >35' To 40', Add	30.67	
		For Elevated Installation >40', Add	33.73	
		For Work In Restricted Working Space, Add	18.40	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.40	
26 05 33 13-0997	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	399.51	34.85
		For Elevated Installation >10' To 15', Add	6.97	
		For Elevated Installation >15' To 20', Add	13.94	
		For Elevated Installation >20' To 25', Add	17.43	
		For Elevated Installation >25' To 30', Add	24.40	
		For Elevated Installation >30' To 35', Add	27.88	
		For Elevated Installation >35' To 40', Add	34.85	
		For Elevated Installation >40', Add	38.34	
		For Work In Restricted Working Space, Add	20.91	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.91	
26 05 33 13-0998	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	525.64	38.33
		For Elevated Installation >10' To 15', Add	7.67	
		For Elevated Installation >15' To 20', Add	15.33	
		For Elevated Installation >20' To 25', Add	19.17	
		For Elevated Installation >25' To 30', Add	26.83	
		For Elevated Installation >30' To 35', Add	30.67	
		For Elevated Installation >35' To 40', Add	38.34	
		For Elevated Installation >40', Add	42.17	
		For Work In Restricted Working Space, Add	23.00	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.00	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-0999	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded		
		Sealtight Fitting.....	1,652.79	48.10
		For Elevated Installation >10' To 15', Add	9.62	
		For Elevated Installation >15' To 20', Add	19.24	
		For Elevated Installation >20' To 25', Add	24.05	
		For Elevated Installation >25' To 30', Add	33.66	
		For Elevated Installation >30' To 35', Add	38.47	
		For Elevated Installation >35' To 40', Add	48.09	
		For Elevated Installation >40', Add	52.90	
		For Work In Restricted Working Space, Add	28.85	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.85	
26 05 33 13-1000	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded		
		Sealtight Fitting.....	1,930.01	65.52
		For Elevated Installation >10' To 15', Add	13.10	
		For Elevated Installation >15' To 20', Add	26.21	
		For Elevated Installation >20' To 25', Add	32.76	
		For Elevated Installation >25' To 30', Add	45.86	
		For Elevated Installation >30' To 35', Add	52.42	
		For Elevated Installation >35' To 40', Add	65.52	
		For Elevated Installation >40', Add	72.07	
		For Work In Restricted Working Space, Add	39.31	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	39.31	
26 05 33 13-1001	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded		
		Sealtight Fitting.....	2,373.26	96.18
		For Elevated Installation >10' To 15', Add	19.24	
		For Elevated Installation >15' To 20', Add	38.47	
		For Elevated Installation >20' To 25', Add	48.09	
		For Elevated Installation >25' To 30', Add	67.33	
		For Elevated Installation >30' To 35', Add	76.94	
		For Elevated Installation >35' To 40', Add	96.18	
		For Elevated Installation >40', Add	105.80	
		For Work In Restricted Working Space, Add	57.71	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	57.71	
26 05 33 13-1002		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fittings (26 05 33 13-0848)		
26 05 33 13-1003	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded		
		Sealtight Fitting.....	178.56	17.43
		For Elevated Installation >10' To 15', Add	3.49	
		For Elevated Installation >15' To 20', Add	6.97	
		For Elevated Installation >20' To 25', Add	8.71	
		For Elevated Installation >25' To 30', Add	12.20	
		For Elevated Installation >30' To 35', Add	13.94	
		For Elevated Installation >35' To 40', Add	17.43	
		For Elevated Installation >40', Add	19.17	
		For Work In Restricted Working Space, Add	10.46	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.46	
26 05 33 13-1004	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded		
		Sealtight Fitting.....	259.11	23.00
		For Elevated Installation >10' To 15', Add	4.60	
		For Elevated Installation >15' To 20', Add	9.20	
		For Elevated Installation >20' To 25', Add	11.50	
		For Elevated Installation >25' To 30', Add	16.10	
		For Elevated Installation >30' To 35', Add	18.40	
		For Elevated Installation >35' To 40', Add	23.00	
		For Elevated Installation >40', Add	25.30	
		For Work In Restricted Working Space, Add	13.80	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.80	
26 05 33 13-1005	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded		
		Sealtight Fitting.....	307.92	26.49
		For Elevated Installation >10' To 15', Add	5.30	
		For Elevated Installation >15' To 20', Add	10.59	
		For Elevated Installation >20' To 25', Add	13.24	
		For Elevated Installation >25' To 30', Add	18.54	
		For Elevated Installation >30' To 35', Add	21.19	
		For Elevated Installation >35' To 40', Add	26.49	
		For Elevated Installation >40', Add	29.13	
		For Work In Restricted Working Space, Add	15.89	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.89	
26 05 33 13-1006	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded		
		Sealtight Fitting.....	356.99	30.67
		For Elevated Installation >10' To 15', Add	6.13	
		For Elevated Installation >15' To 20', Add	12.27	
		For Elevated Installation >20' To 25', Add	15.33	
		For Elevated Installation >25' To 30', Add	21.47	
		For Elevated Installation >30' To 35', Add	24.53	
		For Elevated Installation >35' To 40', Add	30.67	
		For Elevated Installation >40', Add	33.73	
		For Work In Restricted Working Space, Add	18.40	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 13-1007	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting.....	413.85	34.85
			For Elevated Installation >10' To 15', Add	6.97	
			For Elevated Installation >15' To 20', Add	13.94	
			For Elevated Installation >20' To 25', Add	17.43	
			For Elevated Installation >25' To 30', Add	24.40	
			For Elevated Installation >30' To 35', Add	27.88	
			For Elevated Installation >35' To 40', Add	34.85	
			For Elevated Installation >40', Add	38.34	
			For Work In Restricted Working Space, Add	20.91	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.91	
26 05 33 13-1008	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting.....	651.70	38.33
			For Elevated Installation >10' To 15', Add	7.67	
			For Elevated Installation >15' To 20', Add	15.33	
			For Elevated Installation >20' To 25', Add	19.17	
			For Elevated Installation >25' To 30', Add	26.83	
			For Elevated Installation >30' To 35', Add	30.67	
			For Elevated Installation >35' To 40', Add	38.34	
			For Elevated Installation >40', Add	42.17	
			For Work In Restricted Working Space, Add	23.00	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.00	
26 05 33 13-1009	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting.....	1,843.01	48.10
			For Elevated Installation >10' To 15', Add	9.62	
			For Elevated Installation >15' To 20', Add	19.24	
			For Elevated Installation >20' To 25', Add	24.05	
			For Elevated Installation >25' To 30', Add	33.66	
			For Elevated Installation >30' To 35', Add	38.47	
			For Elevated Installation >35' To 40', Add	48.09	
			For Elevated Installation >40', Add	52.90	
			For Work In Restricted Working Space, Add	28.85	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.85	
26 05 33 13-1010	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting.....	2,594.10	65.52
			For Elevated Installation >10' To 15', Add	13.10	
			For Elevated Installation >15' To 20', Add	26.21	
			For Elevated Installation >20' To 25', Add	32.76	
			For Elevated Installation >25' To 30', Add	45.86	
			For Elevated Installation >30' To 35', Add	52.42	
			For Elevated Installation >35' To 40', Add	65.52	
			For Elevated Installation >40', Add	72.07	
			For Work In Restricted Working Space, Add	39.31	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	39.31	
26 05 33 13-1011	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting.....	2,709.44	96.18
			For Elevated Installation >10' To 15', Add	19.24	
			For Elevated Installation >15' To 20', Add	38.47	
			For Elevated Installation >20' To 25', Add	48.09	
			For Elevated Installation >25' To 30', Add	67.33	
			For Elevated Installation >30' To 35', Add	76.94	
			For Elevated Installation >35' To 40', Add	96.18	
			For Elevated Installation >40', Add	105.80	
			For Work In Restricted Working Space, Add	57.71	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	57.71	
26 05 33 13-1012			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fittings (26 05 33 13-0848)		
26 05 33 13-1013	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	141.42	17.43
			For Elevated Installation >10' To 15', Add	3.49	
			For Elevated Installation >15' To 20', Add	6.97	
			For Elevated Installation >20' To 25', Add	8.71	
			For Elevated Installation >25' To 30', Add	12.20	
			For Elevated Installation >30' To 35', Add	13.94	
			For Elevated Installation >35' To 40', Add	17.43	
			For Elevated Installation >40', Add	19.17	
			For Work In Restricted Working Space, Add	10.46	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.46	
26 05 33 13-1014	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	178.46	23.00
			For Elevated Installation >10' To 15', Add	4.60	
			For Elevated Installation >15' To 20', Add	9.20	
			For Elevated Installation >20' To 25', Add	11.50	
			For Elevated Installation >25' To 30', Add	16.10	
			For Elevated Installation >30' To 35', Add	18.40	
			For Elevated Installation >35' To 40', Add	23.00	
			For Elevated Installation >40', Add	25.30	
			For Work In Restricted Working Space, Add	13.80	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.80	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-1015	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	213.79	26.49
		For Elevated Installation >10' To 15', Add	5.30	
		For Elevated Installation >15' To 20', Add	10.59	
		For Elevated Installation >20' To 25', Add	13.24	
		For Elevated Installation >25' To 30', Add	18.54	
		For Elevated Installation >30' To 35', Add	21.19	
		For Elevated Installation >35' To 40', Add	26.49	
		For Elevated Installation >40', Add	29.13	
		For Work In Restricted Working Space, Add	15.89	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.89	
26 05 33 13-1016	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	236.92	30.67
		For Elevated Installation >10' To 15', Add	6.13	
		For Elevated Installation >15' To 20', Add	12.27	
		For Elevated Installation >20' To 25', Add	15.33	
		For Elevated Installation >25' To 30', Add	21.47	
		For Elevated Installation >30' To 35', Add	24.53	
		For Elevated Installation >35' To 40', Add	30.67	
		For Elevated Installation >40', Add	33.73	
		For Work In Restricted Working Space, Add	18.40	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.40	
26 05 33 13-1017	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	318.91	34.85
		For Elevated Installation >10' To 15', Add	6.97	
		For Elevated Installation >15' To 20', Add	13.94	
		For Elevated Installation >20' To 25', Add	17.43	
		For Elevated Installation >25' To 30', Add	24.40	
		For Elevated Installation >30' To 35', Add	27.88	
		For Elevated Installation >35' To 40', Add	34.85	
		For Elevated Installation >40', Add	38.34	
		For Work In Restricted Working Space, Add	20.91	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.91	
26 05 33 13-1018	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	450.50	38.33
		For Elevated Installation >10' To 15', Add	7.67	
		For Elevated Installation >15' To 20', Add	15.33	
		For Elevated Installation >20' To 25', Add	19.17	
		For Elevated Installation >25' To 30', Add	26.83	
		For Elevated Installation >30' To 35', Add	30.67	
		For Elevated Installation >35' To 40', Add	38.34	
		For Elevated Installation >40', Add	42.17	
		For Work In Restricted Working Space, Add	23.00	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.00	
26 05 33 13-1019	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	1,495.25	48.10
		For Elevated Installation >10' To 15', Add	9.62	
		For Elevated Installation >15' To 20', Add	19.24	
		For Elevated Installation >20' To 25', Add	24.05	
		For Elevated Installation >25' To 30', Add	33.66	
		For Elevated Installation >30' To 35', Add	38.47	
		For Elevated Installation >35' To 40', Add	48.09	
		For Elevated Installation >40', Add	52.90	
		For Work In Restricted Working Space, Add	28.85	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.85	
26 05 33 13-1020	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	1,683.67	65.52
		For Elevated Installation >10' To 15', Add	13.10	
		For Elevated Installation >15' To 20', Add	26.21	
		For Elevated Installation >20' To 25', Add	32.76	
		For Elevated Installation >25' To 30', Add	45.86	
		For Elevated Installation >30' To 35', Add	52.42	
		For Elevated Installation >35' To 40', Add	65.52	
		For Elevated Installation >40', Add	72.07	
		For Work In Restricted Working Space, Add	39.31	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	39.31	
26 05 33 13-1021	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	2,001.31	96.18
		For Elevated Installation >10' To 15', Add	19.24	
		For Elevated Installation >15' To 20', Add	38.47	
		For Elevated Installation >20' To 25', Add	48.09	
		For Elevated Installation >25' To 30', Add	67.33	
		For Elevated Installation >30' To 35', Add	76.94	
		For Elevated Installation >35' To 40', Add	96.18	
		For Elevated Installation >40', Add	105.80	
		For Work In Restricted Working Space, Add	57.71	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	57.71	

26 05 33 13-1022 Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover (26 05 33 13-0848)
 Note: Suitable for use in hazardous locations. Class I, Div 2.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1023	EA	1/2"	Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	128.48	33.46
			For Elevated Installation >10' To 15', Add	6.69	
			For Elevated Installation >15' To 20', Add	13.38	
			For Elevated Installation >20' To 25', Add	16.73	
			For Elevated Installation >25' To 30', Add	23.42	
			For Elevated Installation >30' To 35', Add	26.77	
			For Elevated Installation >35' To 40', Add	33.46	
			For Elevated Installation >40', Add	36.81	
			For Work In Restricted Working Space, Add	20.08	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.08	
26 05 33 13-1024	EA	3/4"	Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	144.93	38.33
			For Elevated Installation >10' To 15', Add	7.67	
			For Elevated Installation >15' To 20', Add	15.33	
			For Elevated Installation >20' To 25', Add	19.17	
			For Elevated Installation >25' To 30', Add	26.63	
			For Elevated Installation >30' To 35', Add	30.67	
			For Elevated Installation >35' To 40', Add	38.34	
			For Elevated Installation >40', Add	42.17	
			For Work In Restricted Working Space, Add	23.00	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.00	
26 05 33 13-1025	EA	1"	Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	179.16	43.92
			For Elevated Installation >10' To 15', Add	8.78	
			For Elevated Installation >15' To 20', Add	17.56	
			For Elevated Installation >20' To 25', Add	21.96	
			For Elevated Installation >25' To 30', Add	30.74	
			For Elevated Installation >30' To 35', Add	35.13	
			For Elevated Installation >35' To 40', Add	43.91	
			For Elevated Installation >40', Add	48.30	
			For Work In Restricted Working Space, Add	26.35	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.35	
26 05 33 13-1026	EA	1-1/4"	Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	234.35	50.88
			For Elevated Installation >10' To 15', Add	10.18	
			For Elevated Installation >15' To 20', Add	20.35	
			For Elevated Installation >20' To 25', Add	25.44	
			For Elevated Installation >25' To 30', Add	35.62	
			For Elevated Installation >30' To 35', Add	40.70	
			For Elevated Installation >35' To 40', Add	50.88	
			For Elevated Installation >40', Add	55.97	
			For Work In Restricted Working Space, Add	30.53	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.53	
26 05 33 13-1027	EA	1-1/2"	Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	273.43	55.76
			For Elevated Installation >10' To 15', Add	11.15	
			For Elevated Installation >15' To 20', Add	22.30	
			For Elevated Installation >20' To 25', Add	27.88	
			For Elevated Installation >25' To 30', Add	39.03	
			For Elevated Installation >30' To 35', Add	44.61	
			For Elevated Installation >35' To 40', Add	55.76	
			For Elevated Installation >40', Add	61.34	
			For Work In Restricted Working Space, Add	33.46	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.46	
26 05 33 13-1028	EA	2"	Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	372.53	66.92
			For Elevated Installation >10' To 15', Add	13.38	
			For Elevated Installation >15' To 20', Add	26.77	
			For Elevated Installation >20' To 25', Add	33.46	
			For Elevated Installation >25' To 30', Add	46.64	
			For Elevated Installation >30' To 35', Add	53.53	
			For Elevated Installation >35' To 40', Add	66.92	
			For Elevated Installation >40', Add	73.61	
			For Work In Restricted Working Space, Add	40.15	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.15	
26 05 33 13-1029	EA	2-1/2"	Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	626.24	94.10
			For Elevated Installation >10' To 15', Add	18.82	
			For Elevated Installation >15' To 20', Add	37.64	
			For Elevated Installation >20' To 25', Add	47.05	
			For Elevated Installation >25' To 30', Add	65.87	
			For Elevated Installation >30' To 35', Add	75.28	
			For Elevated Installation >35' To 40', Add	94.10	
			For Elevated Installation >40', Add	103.50	
			For Work In Restricted Working Space, Add	56.46	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	56.46	
26 05 33 13-1030	EA	3"	Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	801.97	125.46
			For Elevated Installation >10' To 15', Add	25.09	
			For Elevated Installation >15' To 20', Add	50.19	
			For Elevated Installation >20' To 25', Add	62.73	
			For Elevated Installation >25' To 30', Add	87.83	
			For Elevated Installation >30' To 35', Add	100.37	
			For Elevated Installation >35' To 40', Add	125.47	
			For Elevated Installation >40', Add	138.01	
			For Work In Restricted Working Space, Add	75.28	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	75.28	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-1031	EA	3-1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	1,114.26	156.82
		For Elevated Installation >10' To 15', Add	31.37	
		For Elevated Installation >15' To 20', Add	62.73	
		For Elevated Installation >20' To 25', Add	78.41	
		For Elevated Installation >25' To 30', Add	109.78	
		For Elevated Installation >30' To 35', Add	125.46	
		For Elevated Installation >35' To 40', Add	156.83	
		For Elevated Installation >40', Add	172.51	
		For Work In Restricted Working Space, Add	94.10	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	94.10	
26 05 33 13-1032	EA	4" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	1,279.39	190.98
		For Elevated Installation >10' To 15', Add	38.20	
		For Elevated Installation >15' To 20', Add	76.39	
		For Elevated Installation >20' To 25', Add	95.49	
		For Elevated Installation >25' To 30', Add	133.69	
		For Elevated Installation >30' To 35', Add	152.78	
		For Elevated Installation >35' To 40', Add	190.98	
		For Elevated Installation >40', Add	210.08	
		For Work In Restricted Working Space, Add	114.59	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	114.59	

26 05 33 13-1033 Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover

(26 05 33 13-0848)

Note: Suitable for use in hazardous locations. Class I, Div 2.

26 05 33 13-1034	EA	1/2" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	167.86	43.92
		For Elevated Installation >10' To 15', Add	8.78	
		For Elevated Installation >15' To 20', Add	17.56	
		For Elevated Installation >20' To 25', Add	21.96	
		For Elevated Installation >25' To 30', Add	30.74	
		For Elevated Installation >30' To 35', Add	35.13	
		For Elevated Installation >35' To 40', Add	43.91	
		For Elevated Installation >40', Add	48.30	
		For Work In Restricted Working Space, Add	26.35	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.35	
26 05 33 13-1035	EA	3/4" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	191.30	48.79
		For Elevated Installation >10' To 15', Add	9.76	
		For Elevated Installation >15' To 20', Add	19.52	
		For Elevated Installation >20' To 25', Add	24.40	
		For Elevated Installation >25' To 30', Add	34.15	
		For Elevated Installation >30' To 35', Add	39.03	
		For Elevated Installation >35' To 40', Add	48.79	
		For Elevated Installation >40', Add	53.67	
		For Work In Restricted Working Space, Add	29.27	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.27	
26 05 33 13-1036	EA	1" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	233.57	53.67
		For Elevated Installation >10' To 15', Add	10.73	
		For Elevated Installation >15' To 20', Add	21.47	
		For Elevated Installation >20' To 25', Add	26.83	
		For Elevated Installation >25' To 30', Add	37.57	
		For Elevated Installation >30' To 35', Add	42.93	
		For Elevated Installation >35' To 40', Add	53.67	
		For Elevated Installation >40', Add	59.03	
		For Work In Restricted Working Space, Add	32.20	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.20	
26 05 33 13-1037	EA	1-1/4" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	313.95	61.34
		For Elevated Installation >10' To 15', Add	12.27	
		For Elevated Installation >15' To 20', Add	24.53	
		For Elevated Installation >20' To 25', Add	30.67	
		For Elevated Installation >25' To 30', Add	42.93	
		For Elevated Installation >30' To 35', Add	49.07	
		For Elevated Installation >35' To 40', Add	61.34	
		For Elevated Installation >40', Add	67.47	
		For Work In Restricted Working Space, Add	36.80	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.80	
26 05 33 13-1038	EA	1-1/2" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	370.92	66.92
		For Elevated Installation >10' To 15', Add	13.38	
		For Elevated Installation >15' To 20', Add	26.76	
		For Elevated Installation >20' To 25', Add	33.46	
		For Elevated Installation >25' To 30', Add	46.84	
		For Elevated Installation >30' To 35', Add	53.53	
		For Elevated Installation >35' To 40', Add	66.91	
		For Elevated Installation >40', Add	73.60	
		For Work In Restricted Working Space, Add	40.15	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.15	
26 05 33 13-1039	EA	2" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	505.06	82.25
		For Elevated Installation >10' To 15', Add	16.45	
		For Elevated Installation >15' To 20', Add	32.90	
		For Elevated Installation >20' To 25', Add	41.12	
		For Elevated Installation >25' To 30', Add	57.57	
		For Elevated Installation >30' To 35', Add	65.80	
		For Elevated Installation >35' To 40', Add	82.25	
		For Elevated Installation >40', Add	90.47	
		For Work In Restricted Working Space, Add	49.35	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	49.35	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 13-1040 Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover (26 05 33 13-0848)

Note: Suitable for use in hazardous locations. Class I, Div 2.

26 05 33 13-1041	EA	1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	147.72	38.33
		For Elevated Installation >10' To 15', Add	7.67	
		For Elevated Installation >15' To 20', Add	15.33	
		For Elevated Installation >20' To 25', Add	19.17	
		For Elevated Installation >25' To 30', Add	26.83	
		For Elevated Installation >30' To 35', Add	30.67	
		For Elevated Installation >35' To 40', Add	38.34	
		For Elevated Installation >40', Add	42.17	
		For Work In Restricted Working Space, Add	23.00	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.00	
26 05 33 13-1042	EA	3/4" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	168.57	44.61
		For Elevated Installation >10' To 15', Add	8.92	
		For Elevated Installation >15' To 20', Add	17.84	
		For Elevated Installation >20' To 25', Add	22.30	
		For Elevated Installation >25' To 30', Add	31.22	
		For Elevated Installation >30' To 35', Add	35.68	
		For Elevated Installation >35' To 40', Add	44.61	
		For Elevated Installation >40', Add	49.07	
		For Work In Restricted Working Space, Add	26.76	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.76	
26 05 33 13-1043	EA	1" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	203.89	48.79
		For Elevated Installation >10' To 15', Add	9.76	
		For Elevated Installation >15' To 20', Add	19.52	
		For Elevated Installation >20' To 25', Add	24.40	
		For Elevated Installation >25' To 30', Add	34.15	
		For Elevated Installation >30' To 35', Add	39.03	
		For Elevated Installation >35' To 40', Add	48.79	
		For Elevated Installation >40', Add	53.67	
		For Work In Restricted Working Space, Add	29.27	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.27	
26 05 33 13-1044	EA	1-1/4" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	261.19	55.76
		For Elevated Installation >10' To 15', Add	11.15	
		For Elevated Installation >15' To 20', Add	22.30	
		For Elevated Installation >20' To 25', Add	27.88	
		For Elevated Installation >25' To 30', Add	39.03	
		For Elevated Installation >30' To 35', Add	44.61	
		For Elevated Installation >35' To 40', Add	55.76	
		For Elevated Installation >40', Add	61.34	
		For Work In Restricted Working Space, Add	33.46	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.46	
26 05 33 13-1045	EA	1-1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	309.58	61.34
		For Elevated Installation >10' To 15', Add	12.27	
		For Elevated Installation >15' To 20', Add	24.53	
		For Elevated Installation >20' To 25', Add	30.67	
		For Elevated Installation >25' To 30', Add	42.93	
		For Elevated Installation >30' To 35', Add	49.07	
		For Elevated Installation >35' To 40', Add	61.34	
		For Elevated Installation >40', Add	67.47	
		For Work In Restricted Working Space, Add	36.80	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.80	
26 05 33 13-1046	EA	2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	415.00	71.79
		For Elevated Installation >10' To 15', Add	14.36	
		For Elevated Installation >15' To 20', Add	28.72	
		For Elevated Installation >20' To 25', Add	35.90	
		For Elevated Installation >25' To 30', Add	50.25	
		For Elevated Installation >30' To 35', Add	57.43	
		For Elevated Installation >35' To 40', Add	71.79	
		For Elevated Installation >40', Add	78.97	
		For Work In Restricted Working Space, Add	43.07	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	43.07	
26 05 33 13-1047	EA	2-1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	667.60	104.55
		For Elevated Installation >10' To 15', Add	20.91	
		For Elevated Installation >15' To 20', Add	41.82	
		For Elevated Installation >20' To 25', Add	52.28	
		For Elevated Installation >25' To 30', Add	73.19	
		For Elevated Installation >30' To 35', Add	83.64	
		For Elevated Installation >35' To 40', Add	104.56	
		For Elevated Installation >40', Add	115.01	
		For Work In Restricted Working Space, Add	62.73	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	62.73	
26 05 33 13-1048	EA	3" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	883.64	135.92
		For Elevated Installation >10' To 15', Add	27.18	
		For Elevated Installation >15' To 20', Add	54.36	
		For Elevated Installation >20' To 25', Add	67.96	
		For Elevated Installation >25' To 30', Add	95.14	
		For Elevated Installation >30' To 35', Add	108.73	
		For Elevated Installation >35' To 40', Add	135.91	
		For Elevated Installation >40', Add	149.50	
		For Work In Restricted Working Space, Add	81.55	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	81.55	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-1049	EA	3-1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	1,213.94	167.28
		For Elevated Installation >10' To 15', Add	33.46	
		For Elevated Installation >15' To 20', Add	66.91	
		For Elevated Installation >20' To 25', Add	83.64	
		For Elevated Installation >25' To 30', Add	117.10	
		For Elevated Installation >30' To 35', Add	133.82	
		For Elevated Installation >35' To 40', Add	167.28	
		For Elevated Installation >40', Add	184.01	
		For Work In Restricted Working Space, Add	100.37	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	100.37	
26 05 33 13-1050	EA	4" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	1,356.89	201.43
		For Elevated Installation >10' To 15', Add	40.29	
		For Elevated Installation >15' To 20', Add	80.58	
		For Elevated Installation >20' To 25', Add	100.72	
		For Elevated Installation >25' To 30', Add	141.01	
		For Elevated Installation >30' To 35', Add	161.15	
		For Elevated Installation >35' To 40', Add	201.44	
		For Elevated Installation >40', Add	221.58	
		For Work In Restricted Working Space, Add	120.86	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	120.86	

26 05 33 13-1051 Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined

(26 05 33 13-0848)

26 05 33 13-1052	EA	1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	30.19	4.18
		For Elevated Installation >10' To 15', Add	0.84	
		For Elevated Installation >15' To 20', Add	1.67	
		For Elevated Installation >20' To 25', Add	2.09	
		For Elevated Installation >25' To 30', Add	2.93	
		For Elevated Installation >30' To 35', Add	3.34	
		For Elevated Installation >35' To 40', Add	4.18	
		For Elevated Installation >40', Add	4.60	
		For Work In Restricted Working Space, Add	2.51	
26 05 33 13-1053	EA	3/4" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	33.88	4.88
		For Elevated Installation >10' To 15', Add	0.98	
		For Elevated Installation >15' To 20', Add	1.95	
		For Elevated Installation >20' To 25', Add	2.44	
		For Elevated Installation >25' To 30', Add	3.42	
		For Elevated Installation >30' To 35', Add	3.90	
		For Elevated Installation >35' To 40', Add	4.88	
		For Elevated Installation >40', Add	5.37	
		For Work In Restricted Working Space, Add	2.93	
26 05 33 13-1054	EA	1" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	44.17	6.28
		For Elevated Installation >10' To 15', Add	1.25	
		For Elevated Installation >15' To 20', Add	2.51	
		For Elevated Installation >20' To 25', Add	3.14	
		For Elevated Installation >25' To 30', Add	4.39	
		For Elevated Installation >30' To 35', Add	5.02	
		For Elevated Installation >35' To 40', Add	6.27	
		For Elevated Installation >40', Add	6.90	
		For Work In Restricted Working Space, Add	3.76	
26 05 33 13-1055	EA	1-1/4" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	56.81	7.67
		For Elevated Installation >10' To 15', Add	1.53	
		For Elevated Installation >15' To 20', Add	3.07	
		For Elevated Installation >20' To 25', Add	3.83	
		For Elevated Installation >25' To 30', Add	5.37	
		For Elevated Installation >30' To 35', Add	6.13	
		For Elevated Installation >35' To 40', Add	7.67	
		For Elevated Installation >40', Add	8.43	
		For Work In Restricted Working Space, Add	4.60	
26 05 33 13-1056	EA	1-1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	63.61	9.06
		For Elevated Installation >10' To 15', Add	1.81	
		For Elevated Installation >15' To 20', Add	3.62	
		For Elevated Installation >20' To 25', Add	4.53	
		For Elevated Installation >25' To 30', Add	6.34	
		For Elevated Installation >30' To 35', Add	7.25	
		For Elevated Installation >35' To 40', Add	9.06	
		For Elevated Installation >40', Add	9.97	
		For Work In Restricted Working Space, Add	5.44	
26 05 33 13-1057	EA	2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	78.74	10.46
		For Elevated Installation >10' To 15', Add	2.09	
		For Elevated Installation >15' To 20', Add	4.18	
		For Elevated Installation >20' To 25', Add	5.23	
		For Elevated Installation >25' To 30', Add	7.32	
		For Elevated Installation >30' To 35', Add	8.36	
		For Elevated Installation >35' To 40', Add	10.46	
		For Elevated Installation >40', Add	11.50	
		For Work In Restricted Working Space, Add	6.27	
26 05 33 13-1058	EA	2-1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	101.89	11.85
		For Elevated Installation >10' To 15', Add	2.37	
		For Elevated Installation >15' To 20', Add	4.74	
		For Elevated Installation >20' To 25', Add	5.93	
		For Elevated Installation >25' To 30', Add	8.30	
		For Elevated Installation >30' To 35', Add	9.48	
		For Elevated Installation >35' To 40', Add	11.85	
		For Elevated Installation >40', Add	13.04	
		For Work In Restricted Working Space, Add	7.11	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1059	EA		3" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	111.65	16.72
			For Elevated Installation >10' To 15', Add	3.35	
			For Elevated Installation >15' To 20', Add	6.69	
			For Elevated Installation >20' To 25', Add	8.37	
			For Elevated Installation >25' To 30', Add	11.71	
			For Elevated Installation >30' To 35', Add	13.38	
			For Elevated Installation >35' To 40', Add	16.73	
			For Elevated Installation >40', Add	18.40	
			For Work In Restricted Working Space, Add	10.04	
26 05 33 13-1060	EA		3-1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	135.68	18.82
			For Elevated Installation >10' To 15', Add	3.76	
			For Elevated Installation >15' To 20', Add	7.53	
			For Elevated Installation >20' To 25', Add	9.41	
			For Elevated Installation >25' To 30', Add	13.17	
			For Elevated Installation >30' To 35', Add	15.06	
			For Elevated Installation >35' To 40', Add	18.82	
			For Elevated Installation >40', Add	20.70	
			For Work In Restricted Working Space, Add	11.29	
26 05 33 13-1061	EA		4" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	145.43	23.70
			For Elevated Installation >10' To 15', Add	4.74	
			For Elevated Installation >15' To 20', Add	9.48	
			For Elevated Installation >20' To 25', Add	11.85	
			For Elevated Installation >25' To 30', Add	16.59	
			For Elevated Installation >30' To 35', Add	18.96	
			For Elevated Installation >35' To 40', Add	23.70	
			For Elevated Installation >40', Add	26.06	
			For Work In Restricted Working Space, Add	14.22	
26 05 33 13-1062			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Bodies (26 05 33 13-0848)		
26 05 33 13-1063	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	145.03	33.46
			For Elevated Installation >10' To 15', Add	6.69	
			For Elevated Installation >15' To 20', Add	13.38	
			For Elevated Installation >20' To 25', Add	16.73	
			For Elevated Installation >25' To 30', Add	23.42	
			For Elevated Installation >30' To 35', Add	26.77	
			For Elevated Installation >35' To 40', Add	33.46	
			For Elevated Installation >40', Add	36.81	
			For Work In Restricted Working Space, Add	20.08	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.08	
26 05 33 13-1064	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	160.67	38.33
			For Elevated Installation >10' To 15', Add	7.67	
			For Elevated Installation >15' To 20', Add	15.33	
			For Elevated Installation >20' To 25', Add	19.17	
			For Elevated Installation >25' To 30', Add	26.83	
			For Elevated Installation >30' To 35', Add	30.67	
			For Elevated Installation >35' To 40', Add	38.34	
			For Elevated Installation >40', Add	42.17	
			For Work In Restricted Working Space, Add	23.00	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.00	
26 05 33 13-1065	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	187.61	43.92
			For Elevated Installation >10' To 15', Add	8.78	
			For Elevated Installation >15' To 20', Add	17.56	
			For Elevated Installation >20' To 25', Add	21.96	
			For Elevated Installation >25' To 30', Add	30.74	
			For Elevated Installation >30' To 35', Add	35.13	
			For Elevated Installation >35' To 40', Add	43.91	
			For Elevated Installation >40', Add	48.30	
			For Work In Restricted Working Space, Add	26.35	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.35	
26 05 33 13-1066	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	222.63	50.88
			For Elevated Installation >10' To 15', Add	10.18	
			For Elevated Installation >15' To 20', Add	20.35	
			For Elevated Installation >20' To 25', Add	25.44	
			For Elevated Installation >25' To 30', Add	35.62	
			For Elevated Installation >30' To 35', Add	40.71	
			For Elevated Installation >35' To 40', Add	50.89	
			For Elevated Installation >40', Add	55.97	
			For Work In Restricted Working Space, Add	30.53	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.53	
26 05 33 13-1067	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	276.73	55.76
			For Elevated Installation >10' To 15', Add	11.15	
			For Elevated Installation >15' To 20', Add	22.30	
			For Elevated Installation >20' To 25', Add	27.88	
			For Elevated Installation >25' To 30', Add	39.03	
			For Elevated Installation >30' To 35', Add	44.61	
			For Elevated Installation >35' To 40', Add	55.76	
			For Elevated Installation >40', Add	61.34	
			For Work In Restricted Working Space, Add	33.46	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.46	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-1068	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	335.33	66.92
		For Elevated Installation >10' To 15', Add	13.38	
		For Elevated Installation >15' To 20', Add	26.76	
		For Elevated Installation >20' To 25', Add	33.46	
		For Elevated Installation >25' To 30', Add	46.84	
		For Elevated Installation >30' To 35', Add	53.53	
		For Elevated Installation >35' To 40', Add	66.91	
		For Elevated Installation >40', Add	73.60	
		For Work In Restricted Working Space, Add	40.15	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.15	
26 05 33 13-1069	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	485.48	94.10
		For Elevated Installation >10' To 15', Add	18.82	
		For Elevated Installation >15' To 20', Add	37.64	
		For Elevated Installation >20' To 25', Add	47.05	
		For Elevated Installation >25' To 30', Add	65.87	
		For Elevated Installation >30' To 35', Add	75.28	
		For Elevated Installation >35' To 40', Add	94.10	
		For Elevated Installation >40', Add	103.50	
		For Work In Restricted Working Space, Add	56.46	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	56.46	
26 05 33 13-1070	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	622.74	125.46
		For Elevated Installation >10' To 15', Add	25.09	
		For Elevated Installation >15' To 20', Add	50.18	
		For Elevated Installation >20' To 25', Add	62.73	
		For Elevated Installation >25' To 30', Add	87.82	
		For Elevated Installation >30' To 35', Add	100.37	
		For Elevated Installation >35' To 40', Add	125.46	
		For Elevated Installation >40', Add	138.01	
		For Work In Restricted Working Space, Add	75.28	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	75.28	
26 05 33 13-1071	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	1,241.19	156.82
		For Elevated Installation >10' To 15', Add	31.37	
		For Elevated Installation >15' To 20', Add	62.73	
		For Elevated Installation >20' To 25', Add	78.41	
		For Elevated Installation >25' To 30', Add	109.78	
		For Elevated Installation >30' To 35', Add	125.46	
		For Elevated Installation >35' To 40', Add	156.83	
		For Elevated Installation >40', Add	172.51	
		For Work In Restricted Working Space, Add	94.10	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	94.10	
26 05 33 13-1072	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	1,815.73	190.98
		For Elevated Installation >10' To 15', Add	38.20	
		For Elevated Installation >15' To 20', Add	76.39	
		For Elevated Installation >20' To 25', Add	95.49	
		For Elevated Installation >25' To 30', Add	133.69	
		For Elevated Installation >30' To 35', Add	152.78	
		For Elevated Installation >35' To 40', Add	190.98	
		For Elevated Installation >40', Add	210.08	
		For Work In Restricted Working Space, Add	114.59	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	114.59	

26 05 33 13-1073 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Bodies
(26 05 33 13-0848)

26 05 33 13-1074	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body.....	246.70	33.46
		For Elevated Installation >10' To 15', Add	6.69	
		For Elevated Installation >15' To 20', Add	13.38	
		For Elevated Installation >20' To 25', Add	16.73	
		For Elevated Installation >25' To 30', Add	23.42	
		For Elevated Installation >30' To 35', Add	26.77	
		For Elevated Installation >35' To 40', Add	33.46	
		For Elevated Installation >40', Add	36.81	
		For Work In Restricted Working Space, Add	20.08	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.08	
26 05 33 13-1075	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body.....	265.79	38.33
		For Elevated Installation >10' To 15', Add	7.67	
		For Elevated Installation >15' To 20', Add	15.33	
		For Elevated Installation >20' To 25', Add	19.17	
		For Elevated Installation >25' To 30', Add	26.83	
		For Elevated Installation >30' To 35', Add	30.67	
		For Elevated Installation >35' To 40', Add	38.34	
		For Elevated Installation >40', Add	42.17	
		For Work In Restricted Working Space, Add	23.00	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.00	
26 05 33 13-1076	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body.....	303.52	43.92
		For Elevated Installation >10' To 15', Add	8.78	
		For Elevated Installation >15' To 20', Add	17.56	
		For Elevated Installation >20' To 25', Add	21.96	
		For Elevated Installation >25' To 30', Add	30.74	
		For Elevated Installation >30' To 35', Add	35.13	
		For Elevated Installation >35' To 40', Add	43.91	
		For Elevated Installation >40', Add	48.30	
		For Work In Restricted Working Space, Add	26.35	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.35	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1077	EA	1-1/4"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	339.86 10.18 20.35 25.44 35.62 40.71 50.89 55.97 30.53 30.53	50.88
26 05 33 13-1078	EA	1-1/2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	411.68 11.15 22.30 27.88 39.03 44.61 55.76 61.34 33.46 33.46	55.76
26 05 33 13-1079	EA	2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	463.70 13.38 26.76 33.46 46.84 53.53 66.91 73.60 40.15 40.15	66.92
26 05 33 13-1080	EA	2-1/2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	652.39 18.82 37.64 47.05 65.87 75.28 94.10 103.50 56.46 56.46	94.10
26 05 33 13-1081	EA	3"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	908.58 25.09 50.18 62.73 87.82 100.37 125.46 138.01 75.28 75.28	125.46
26 05 33 13-1082	EA	3-1/2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,324.20 31.37 62.73 78.41 109.78 125.46 156.83 172.51 94.10 94.10	156.82
26 05 33 13-1083	EA	4"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,924.36 38.20 76.39 95.49 133.69 152.78 190.98 210.08 114.59 114.59	190.98
26 05 33 13-1084			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Bodies (26 05 33 13-0848)		
26 05 33 13-1085	EA	1/2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	197.76 6.69 13.38 16.73 23.42 26.77 33.46 36.81 20.08 20.08	33.46

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-1086	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	210.98	38.33
		For Elevated Installation >10' To 15', Add	7.67	
		For Elevated Installation >15' To 20', Add	15.33	
		For Elevated Installation >20' To 25', Add	19.17	
		For Elevated Installation >25' To 30', Add	26.83	
		For Elevated Installation >30' To 35', Add	30.67	
		For Elevated Installation >35' To 40', Add	38.34	
		For Elevated Installation >40', Add	42.17	
		For Work In Restricted Working Space, Add	23.00	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.00	
26 05 33 13-1087	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	242.39	43.92
		For Elevated Installation >10' To 15', Add	8.78	
		For Elevated Installation >15' To 20', Add	17.56	
		For Elevated Installation >20' To 25', Add	21.96	
		For Elevated Installation >25' To 30', Add	30.74	
		For Elevated Installation >30' To 35', Add	35.13	
		For Elevated Installation >35' To 40', Add	43.91	
		For Elevated Installation >40', Add	48.30	
		For Work In Restricted Working Space, Add	26.35	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.35	
26 05 33 13-1088	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	270.53	50.88
		For Elevated Installation >10' To 15', Add	10.18	
		For Elevated Installation >15' To 20', Add	20.35	
		For Elevated Installation >20' To 25', Add	25.44	
		For Elevated Installation >25' To 30', Add	35.62	
		For Elevated Installation >30' To 35', Add	40.71	
		For Elevated Installation >35' To 40', Add	50.89	
		For Elevated Installation >40', Add	55.97	
		For Work In Restricted Working Space, Add	30.53	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.53	
26 05 33 13-1089	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	371.32	55.76
		For Elevated Installation >10' To 15', Add	11.15	
		For Elevated Installation >15' To 20', Add	22.30	
		For Elevated Installation >20' To 25', Add	27.88	
		For Elevated Installation >25' To 30', Add	39.03	
		For Elevated Installation >30' To 35', Add	44.61	
		For Elevated Installation >35' To 40', Add	55.76	
		For Elevated Installation >40', Add	61.34	
		For Work In Restricted Working Space, Add	33.46	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.46	
26 05 33 13-1090	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	466.14	66.92
		For Elevated Installation >10' To 15', Add	13.38	
		For Elevated Installation >15' To 20', Add	26.76	
		For Elevated Installation >20' To 25', Add	33.46	
		For Elevated Installation >25' To 30', Add	46.84	
		For Elevated Installation >30' To 35', Add	53.53	
		For Elevated Installation >35' To 40', Add	66.91	
		For Elevated Installation >40', Add	73.60	
		For Work In Restricted Working Space, Add	40.15	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.15	
26 05 33 13-1091	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	723.37	94.10
		For Elevated Installation >10' To 15', Add	18.82	
		For Elevated Installation >15' To 20', Add	37.64	
		For Elevated Installation >20' To 25', Add	47.05	
		For Elevated Installation >25' To 30', Add	65.87	
		For Elevated Installation >30' To 35', Add	75.28	
		For Elevated Installation >35' To 40', Add	94.10	
		For Elevated Installation >40', Add	103.50	
		For Work In Restricted Working Space, Add	56.46	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	56.46	
26 05 33 13-1092	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	1,053.00	125.46
		For Elevated Installation >10' To 15', Add	25.09	
		For Elevated Installation >15' To 20', Add	50.18	
		For Elevated Installation >20' To 25', Add	62.73	
		For Elevated Installation >25' To 30', Add	87.82	
		For Elevated Installation >30' To 35', Add	100.37	
		For Elevated Installation >35' To 40', Add	125.46	
		For Elevated Installation >40', Add	138.01	
		For Work In Restricted Working Space, Add	75.28	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	75.28	
26 05 33 13-1093	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	1,324.20	156.82
		For Elevated Installation >10' To 15', Add	31.37	
		For Elevated Installation >15' To 20', Add	62.73	
		For Elevated Installation >20' To 25', Add	78.41	
		For Elevated Installation >25' To 30', Add	109.78	
		For Elevated Installation >30' To 35', Add	125.46	
		For Elevated Installation >35' To 40', Add	156.83	
		For Elevated Installation >40', Add	172.51	
		For Work In Restricted Working Space, Add	94.10	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	94.10	

26 05 33 13-1094 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel
 (RGS) EZD Sealing Conduit Bodies (26 05 33 13-0848)

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1095	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body.....	261.07	33.46
		For Elevated Installation >10' To 15', Add	6.69	
		For Elevated Installation >15' To 20', Add	13.38	
		For Elevated Installation >20' To 25', Add	16.73	
		For Elevated Installation >25' To 30', Add	23.42	
		For Elevated Installation >30' To 35', Add	26.77	
		For Elevated Installation >35' To 40', Add	33.46	
		For Elevated Installation >40', Add	36.81	
		For Work In Restricted Working Space, Add	20.08	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.08	
26 05 33 13-1096	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body.....	289.76	38.33
		For Elevated Installation >10' To 15', Add	7.67	
		For Elevated Installation >15' To 20', Add	15.33	
		For Elevated Installation >20' To 25', Add	19.17	
		For Elevated Installation >25' To 30', Add	26.83	
		For Elevated Installation >30' To 35', Add	30.67	
		For Elevated Installation >35' To 40', Add	38.34	
		For Elevated Installation >40', Add	42.17	
		For Work In Restricted Working Space, Add	23.00	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.00	
26 05 33 13-1097	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body.....	358.96	43.92
		For Elevated Installation >10' To 15', Add	8.78	
		For Elevated Installation >15' To 20', Add	17.56	
		For Elevated Installation >20' To 25', Add	21.96	
		For Elevated Installation >25' To 30', Add	30.74	
		For Elevated Installation >30' To 35', Add	35.13	
		For Elevated Installation >35' To 40', Add	43.91	
		For Elevated Installation >40', Add	48.30	
		For Work In Restricted Working Space, Add	26.35	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.35	
26 05 33 13-1098	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body.....	442.39	50.88
		For Elevated Installation >10' To 15', Add	10.18	
		For Elevated Installation >15' To 20', Add	20.35	
		For Elevated Installation >20' To 25', Add	25.44	
		For Elevated Installation >25' To 30', Add	35.62	
		For Elevated Installation >30' To 35', Add	40.71	
		For Elevated Installation >35' To 40', Add	50.89	
		For Elevated Installation >40', Add	55.97	
		For Work In Restricted Working Space, Add	30.53	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.53	
26 05 33 13-1099	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body.....	614.13	55.76
		For Elevated Installation >10' To 15', Add	11.15	
		For Elevated Installation >15' To 20', Add	22.30	
		For Elevated Installation >20' To 25', Add	27.88	
		For Elevated Installation >25' To 30', Add	39.03	
		For Elevated Installation >30' To 35', Add	44.61	
		For Elevated Installation >35' To 40', Add	55.76	
		For Elevated Installation >40', Add	61.34	
		For Work In Restricted Working Space, Add	33.46	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.46	
26 05 33 13-1100	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body.....	736.02	66.92
		For Elevated Installation >10' To 15', Add	13.38	
		For Elevated Installation >15' To 20', Add	26.76	
		For Elevated Installation >20' To 25', Add	33.46	
		For Elevated Installation >25' To 30', Add	46.84	
		For Elevated Installation >30' To 35', Add	53.53	
		For Elevated Installation >35' To 40', Add	66.91	
		For Elevated Installation >40', Add	73.60	
		For Work In Restricted Working Space, Add	40.15	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.15	
26 05 33 13-1101		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Couplings (26 05 33 13-0848)		
26 05 33 13-1102	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling.....	50.60	13.41
		For Elevated Installation >10' To 15', Add	2.68	
		For Elevated Installation >15' To 20', Add	5.36	
		For Elevated Installation >20' To 25', Add	6.70	
		For Elevated Installation >25' To 30', Add	9.38	
		For Elevated Installation >30' To 35', Add	10.72	
		For Elevated Installation >35' To 40', Add	13.41	
		For Elevated Installation >40', Add	14.75	
		For Work In Restricted Working Space, Add	8.04	
26 05 33 13-1103	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling.....	67.01	16.08
		For Elevated Installation >10' To 15', Add	3.22	
		For Elevated Installation >15' To 20', Add	6.43	
		For Elevated Installation >20' To 25', Add	8.04	
		For Elevated Installation >25' To 30', Add	11.26	
		For Elevated Installation >30' To 35', Add	12.86	
		For Elevated Installation >35' To 40', Add	16.08	
		For Elevated Installation >40', Add	17.69	
		For Work In Restricted Working Space, Add	9.65	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 05 33 13-1104	EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	85.21		21.45
	For Elevated Installation >10' To 15', Add	4.29		
	For Elevated Installation >15' To 20', Add	8.58		
	For Elevated Installation >20' To 25', Add	10.72		
	For Elevated Installation >25' To 30', Add	15.01		
	For Elevated Installation >30' To 35', Add	17.16		
	For Elevated Installation >35' To 40', Add	21.45		
	For Elevated Installation >40', Add	23.59		
	For Work In Restricted Working Space, Add	12.87		
26 05 33 13-1105	EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	117.12		26.81
	For Elevated Installation >10' To 15', Add	5.36		
	For Elevated Installation >15' To 20', Add	10.72		
	For Elevated Installation >20' To 25', Add	13.40		
	For Elevated Installation >25' To 30', Add	18.76		
	For Elevated Installation >30' To 35', Add	21.44		
	For Elevated Installation >35' To 40', Add	26.81		
	For Elevated Installation >40', Add	29.49		
	For Work In Restricted Working Space, Add	16.08		
26 05 33 13-1106	EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	153.57		32.16
	For Elevated Installation >10' To 15', Add	6.43		
	For Elevated Installation >15' To 20', Add	12.87		
	For Elevated Installation >20' To 25', Add	16.09		
	For Elevated Installation >25' To 30', Add	22.52		
	For Elevated Installation >30' To 35', Add	25.74		
	For Elevated Installation >35' To 40', Add	32.17		
	For Elevated Installation >40', Add	35.39		
	For Work In Restricted Working Space, Add	19.30		
26 05 33 13-1107	EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	263.73		37.53
	For Elevated Installation >10' To 15', Add	7.51		
	For Elevated Installation >15' To 20', Add	15.01		
	For Elevated Installation >20' To 25', Add	18.77		
	For Elevated Installation >25' To 30', Add	26.27		
	For Elevated Installation >30' To 35', Add	30.02		
	For Elevated Installation >35' To 40', Add	37.53		
	For Elevated Installation >40', Add	41.28		
	For Work In Restricted Working Space, Add	22.52		
26 05 33 13-1108	EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	382.82		42.89
	For Elevated Installation >10' To 15', Add	8.58		
	For Elevated Installation >15' To 20', Add	17.16		
	For Elevated Installation >20' To 25', Add	21.45		
	For Elevated Installation >25' To 30', Add	30.02		
	For Elevated Installation >30' To 35', Add	34.31		
	For Elevated Installation >35' To 40', Add	42.89		
	For Elevated Installation >40', Add	47.18		
	For Work In Restricted Working Space, Add	25.73		
26 05 33 13-1109	EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	477.41		48.26
	For Elevated Installation >10' To 15', Add	9.65		
	For Elevated Installation >15' To 20', Add	19.30		
	For Elevated Installation >20' To 25', Add	24.13		
	For Elevated Installation >25' To 30', Add	33.78		
	For Elevated Installation >30' To 35', Add	38.60		
	For Elevated Installation >35' To 40', Add	48.25		
	For Elevated Installation >40', Add	53.08		
	For Work In Restricted Working Space, Add	28.95		
26 05 33 13-1110	EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	664.15		56.30
	For Elevated Installation >10' To 15', Add	11.26		
	For Elevated Installation >15' To 20', Add	22.52		
	For Elevated Installation >20' To 25', Add	28.15		
	For Elevated Installation >25' To 30', Add	39.41		
	For Elevated Installation >30' To 35', Add	45.04		
	For Elevated Installation >35' To 40', Add	56.30		
	For Elevated Installation >40', Add	61.93		
	For Work In Restricted Working Space, Add	33.78		
26 05 33 13-1111	EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	806.24		64.34
	For Elevated Installation >10' To 15', Add	12.87		
	For Elevated Installation >15' To 20', Add	25.74		
	For Elevated Installation >20' To 25', Add	32.17		
	For Elevated Installation >25' To 30', Add	45.04		
	For Elevated Installation >30' To 35', Add	51.47		
	For Elevated Installation >35' To 40', Add	64.34		
	For Elevated Installation >40', Add	70.77		
	For Work In Restricted Working Space, Add	38.60		
26 05 33 13-1112	EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	1,290.36		101.87
	For Elevated Installation >10' To 15', Add	20.37		
	For Elevated Installation >15' To 20', Add	40.75		
	For Elevated Installation >20' To 25', Add	50.93		
	For Elevated Installation >25' To 30', Add	71.31		
	For Elevated Installation >30' To 35', Add	81.49		
	For Elevated Installation >35' To 40', Add	101.87		
	For Elevated Installation >40', Add	112.05		
	For Work In Restricted Working Space, Add	61.12		
26 05 33 13-1113	EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	1,764.49		155.49
	For Elevated Installation >10' To 15', Add	31.10		
	For Elevated Installation >15' To 20', Add	62.19		
	For Elevated Installation >20' To 25', Add	77.74		
	For Elevated Installation >25' To 30', Add	108.84		
	For Elevated Installation >30' To 35', Add	124.39		
	For Elevated Installation >35' To 40', Add	155.49		
	For Elevated Installation >40', Add	171.03		
	For Work In Restricted Working Space, Add	93.29		

26 05 33 13-1114	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbows (26 05 33 13-0848)		
26 05 33 13-1115	EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	186.59	33.46
	For Elevated Installation >10' To 15', Add	6.69	
	For Elevated Installation >15' To 20', Add	13.38	
	For Elevated Installation >20' To 25', Add	16.73	
	For Elevated Installation >25' To 30', Add	23.42	
	For Elevated Installation >30' To 35', Add	26.77	
	For Elevated Installation >35' To 40', Add	33.46	
	For Elevated Installation >40', Add	36.81	
	For Work In Restricted Working Space, Add	20.08	
26 05 33 13-1116	EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	220.48	36.94
	For Elevated Installation >10' To 15', Add	7.39	
	For Elevated Installation >15' To 20', Add	14.78	
	For Elevated Installation >20' To 25', Add	18.47	
	For Elevated Installation >25' To 30', Add	25.86	
	For Elevated Installation >30' To 35', Add	29.55	
	For Elevated Installation >35' To 40', Add	36.94	
	For Elevated Installation >40', Add	40.63	
	For Work In Restricted Working Space, Add	22.16	
26 05 33 13-1117	EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	243.41	43.92
	For Elevated Installation >10' To 15', Add	8.78	
	For Elevated Installation >15' To 20', Add	17.56	
	For Elevated Installation >20' To 25', Add	21.96	
	For Elevated Installation >25' To 30', Add	30.74	
	For Elevated Installation >30' To 35', Add	35.13	
	For Elevated Installation >35' To 40', Add	43.91	
	For Elevated Installation >40', Add	48.30	
	For Work In Restricted Working Space, Add	26.35	
26 05 33 13-1118	EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	349.35	50.88
	For Elevated Installation >10' To 15', Add	10.18	
	For Elevated Installation >15' To 20', Add	20.35	
	For Elevated Installation >20' To 25', Add	25.44	
	For Elevated Installation >25' To 30', Add	35.62	
	For Elevated Installation >30' To 35', Add	40.71	
	For Elevated Installation >35' To 40', Add	50.89	
	For Elevated Installation >40', Add	55.97	
	For Work In Restricted Working Space, Add	30.53	
26 05 33 13-1119	EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	460.39	55.76
	For Elevated Installation >10' To 15', Add	11.15	
	For Elevated Installation >15' To 20', Add	22.30	
	For Elevated Installation >20' To 25', Add	27.88	
	For Elevated Installation >25' To 30', Add	39.03	
	For Elevated Installation >30' To 35', Add	44.61	
	For Elevated Installation >35' To 40', Add	55.76	
	For Elevated Installation >40', Add	61.34	
	For Work In Restricted Working Space, Add	33.46	
26 05 33 13-1120	EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	497.19	66.92
	For Elevated Installation >10' To 15', Add	13.38	
	For Elevated Installation >15' To 20', Add	26.76	
	For Elevated Installation >20' To 25', Add	33.46	
	For Elevated Installation >25' To 30', Add	46.84	
	For Elevated Installation >30' To 35', Add	53.53	
	For Elevated Installation >35' To 40', Add	66.91	
	For Elevated Installation >40', Add	73.60	
	For Work In Restricted Working Space, Add	40.15	
26 05 33 13-1121	EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	1,171.94	92.70
	For Elevated Installation >10' To 15', Add	18.54	
	For Elevated Installation >15' To 20', Add	37.08	
	For Elevated Installation >20' To 25', Add	46.35	
	For Elevated Installation >25' To 30', Add	64.89	
	For Elevated Installation >30' To 35', Add	74.16	
	For Elevated Installation >35' To 40', Add	92.71	
	For Elevated Installation >40', Add	101.98	
	For Work In Restricted Working Space, Add	55.62	
26 05 33 13-1122	EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	1,237.69	125.46
	For Elevated Installation >10' To 15', Add	25.09	
	For Elevated Installation >15' To 20', Add	50.19	
	For Elevated Installation >20' To 25', Add	62.73	
	For Elevated Installation >25' To 30', Add	87.83	
	For Elevated Installation >30' To 35', Add	100.37	
	For Elevated Installation >35' To 40', Add	125.47	
	For Elevated Installation >40', Add	138.01	
	For Work In Restricted Working Space, Add	75.28	
26 05 33 13-1123	EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	2,022.89	156.82
	For Elevated Installation >10' To 15', Add	31.37	
	For Elevated Installation >15' To 20', Add	62.73	
	For Elevated Installation >20' To 25', Add	78.42	
	For Elevated Installation >25' To 30', Add	109.78	
	For Elevated Installation >30' To 35', Add	125.46	
	For Elevated Installation >35' To 40', Add	156.83	
	For Elevated Installation >40', Add	172.51	
	For Work In Restricted Working Space, Add	94.10	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-1124	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	2,107.79	190.98
		For Elevated Installation >10' To 15', Add	38.20	
		For Elevated Installation >15' To 20', Add	76.40	
		For Elevated Installation >20' To 25', Add	95.50	
		For Elevated Installation >25' To 30', Add	133.69	
		For Elevated Installation >30' To 35', Add	152.79	
		For Elevated Installation >35' To 40', Add	190.99	
		For Elevated Installation >40', Add	210.09	
		For Work In Restricted Working Space, Add	114.59	

26 05 33 13-1125 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbows

(26 05 33 13-0848)

26 05 33 13-1126	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	271.76	33.46
		For Elevated Installation >10' To 15', Add	6.69	
		For Elevated Installation >15' To 20', Add	13.38	
		For Elevated Installation >20' To 25', Add	16.73	
		For Elevated Installation >25' To 30', Add	23.42	
		For Elevated Installation >30' To 35', Add	26.77	
		For Elevated Installation >35' To 40', Add	33.46	
		For Elevated Installation >40', Add	36.81	
		For Work In Restricted Working Space, Add	20.08	
26 05 33 13-1127	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	309.58	38.33
		For Elevated Installation >10' To 15', Add	7.67	
		For Elevated Installation >15' To 20', Add	15.33	
		For Elevated Installation >20' To 25', Add	19.17	
		For Elevated Installation >25' To 30', Add	26.83	
		For Elevated Installation >30' To 35', Add	30.67	
		For Elevated Installation >35' To 40', Add	38.34	
		For Elevated Installation >40', Add	42.17	
		For Work In Restricted Working Space, Add	23.00	
26 05 33 13-1128	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	609.80	43.92
		For Elevated Installation >10' To 15', Add	8.78	
		For Elevated Installation >15' To 20', Add	17.56	
		For Elevated Installation >20' To 25', Add	21.96	
		For Elevated Installation >25' To 30', Add	30.74	
		For Elevated Installation >30' To 35', Add	35.13	
		For Elevated Installation >35' To 40', Add	43.91	
		For Elevated Installation >40', Add	48.30	
		For Work In Restricted Working Space, Add	26.35	
26 05 33 13-1129	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	639.87	50.88
		For Elevated Installation >10' To 15', Add	10.18	
		For Elevated Installation >15' To 20', Add	20.35	
		For Elevated Installation >20' To 25', Add	25.44	
		For Elevated Installation >25' To 30', Add	35.62	
		For Elevated Installation >30' To 35', Add	40.71	
		For Elevated Installation >35' To 40', Add	50.89	
		For Elevated Installation >40', Add	55.97	
		For Work In Restricted Working Space, Add	30.53	
26 05 33 13-1130	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	874.23	55.76
		For Elevated Installation >10' To 15', Add	11.15	
		For Elevated Installation >15' To 20', Add	22.30	
		For Elevated Installation >20' To 25', Add	27.88	
		For Elevated Installation >25' To 30', Add	39.03	
		For Elevated Installation >30' To 35', Add	44.61	
		For Elevated Installation >35' To 40', Add	55.76	
		For Elevated Installation >40', Add	61.34	
		For Work In Restricted Working Space, Add	33.46	
26 05 33 13-1131	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	932.70	66.92
		For Elevated Installation >10' To 15', Add	13.38	
		For Elevated Installation >15' To 20', Add	26.76	
		For Elevated Installation >20' To 25', Add	33.46	
		For Elevated Installation >25' To 30', Add	46.84	
		For Elevated Installation >30' To 35', Add	53.53	
		For Elevated Installation >35' To 40', Add	66.91	
		For Elevated Installation >40', Add	73.60	
		For Work In Restricted Working Space, Add	40.15	
26 05 33 13-1132	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	1,792.33	94.10
		For Elevated Installation >10' To 15', Add	18.82	
		For Elevated Installation >15' To 20', Add	37.64	
		For Elevated Installation >20' To 25', Add	47.05	
		For Elevated Installation >25' To 30', Add	65.87	
		For Elevated Installation >30' To 35', Add	75.28	
		For Elevated Installation >35' To 40', Add	94.10	
		For Elevated Installation >40', Add	103.50	
		For Work In Restricted Working Space, Add	56.46	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1133	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	1,886.76	125.46
			For Elevated Installation >10' To 15', Add	25.09	
			For Elevated Installation >15' To 20', Add	50.18	
			For Elevated Installation >20' To 25', Add	62.73	
			For Elevated Installation >25' To 30', Add	87.82	
			For Elevated Installation >30' To 35', Add	100.37	
			For Elevated Installation >35' To 40', Add	125.46	
			For Elevated Installation >40', Add	138.01	
			For Work In Restricted Working Space, Add	75.28	
26 05 33 13-1134	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	2,763.28	156.82
			For Elevated Installation >10' To 15', Add	31.37	
			For Elevated Installation >15' To 20', Add	62.73	
			For Elevated Installation >20' To 25', Add	78.41	
			For Elevated Installation >25' To 30', Add	109.78	
			For Elevated Installation >30' To 35', Add	125.46	
			For Elevated Installation >35' To 40', Add	156.83	
			For Elevated Installation >40', Add	172.51	
			For Work In Restricted Working Space, Add	94.10	
26 05 33 13-1135	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	3,129.36	190.98
			For Elevated Installation >10' To 15', Add	38.20	
			For Elevated Installation >15' To 20', Add	76.39	
			For Elevated Installation >20' To 25', Add	95.49	
			For Elevated Installation >25' To 30', Add	133.69	
			For Elevated Installation >30' To 35', Add	152.78	
			For Elevated Installation >35' To 40', Add	190.98	
			For Elevated Installation >40', Add	210.08	
			For Work In Restricted Working Space, Add	114.59	
26 05 33 13-1136 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbows (26 05 33 13-0848)					
26 05 33 13-1137	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow.....	104.38	17.43
			For Elevated Installation >10' To 15', Add	3.49	
			For Elevated Installation >15' To 20', Add	6.97	
			For Elevated Installation >20' To 25', Add	8.71	
			For Elevated Installation >25' To 30', Add	12.20	
			For Elevated Installation >30' To 35', Add	13.94	
			For Elevated Installation >35' To 40', Add	17.43	
			For Elevated Installation >40', Add	19.17	
			For Work In Restricted Working Space, Add	10.46	
26 05 33 13-1138	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow.....	121.50	21.61
			For Elevated Installation >10' To 15', Add	4.32	
			For Elevated Installation >15' To 20', Add	8.64	
			For Elevated Installation >20' To 25', Add	10.80	
			For Elevated Installation >25' To 30', Add	15.12	
			For Elevated Installation >30' To 35', Add	17.28	
			For Elevated Installation >35' To 40', Add	21.61	
			For Elevated Installation >40', Add	23.77	
			For Work In Restricted Working Space, Add	12.96	
26 05 33 13-1139	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow.....	144.76	26.49
			For Elevated Installation >10' To 15', Add	5.30	
			For Elevated Installation >15' To 20', Add	10.59	
			For Elevated Installation >20' To 25', Add	13.24	
			For Elevated Installation >25' To 30', Add	18.54	
			For Elevated Installation >30' To 35', Add	21.19	
			For Elevated Installation >35' To 40', Add	26.49	
			For Elevated Installation >40', Add	29.13	
			For Work In Restricted Working Space, Add	15.89	
26 05 33 13-1140	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow.....	170.88	30.67
			For Elevated Installation >10' To 15', Add	6.13	
			For Elevated Installation >15' To 20', Add	12.27	
			For Elevated Installation >20' To 25', Add	15.34	
			For Elevated Installation >25' To 30', Add	21.47	
			For Elevated Installation >30' To 35', Add	24.54	
			For Elevated Installation >35' To 40', Add	30.67	
			For Elevated Installation >40', Add	33.74	
			For Work In Restricted Working Space, Add	18.40	
26 05 33 13-1141 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbows (26 05 33 13-0848)					
26 05 33 13-1142	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	82.19	17.43
			For Elevated Installation >10' To 15', Add	3.49	
			For Elevated Installation >15' To 20', Add	6.97	
			For Elevated Installation >20' To 25', Add	8.71	
			For Elevated Installation >25' To 30', Add	12.20	
			For Elevated Installation >30' To 35', Add	13.94	
			For Elevated Installation >35' To 40', Add	17.43	
			For Elevated Installation >40', Add	19.17	
			For Work In Restricted Working Space, Add	10.46	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-1143	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	94.87	21.61
		For Elevated Installation >10' To 15', Add	4.32	
		For Elevated Installation >15' To 20', Add	8.64	
		For Elevated Installation >20' To 25', Add	10.80	
		For Elevated Installation >25' To 30', Add	15.12	
		For Elevated Installation >30' To 35', Add	17.28	
		For Elevated Installation >35' To 40', Add	21.61	
		For Elevated Installation >40', Add	23.77	
		For Work In Restricted Working Space, Add	12.96	
26 05 33 13-1144	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	131.79	26.49
		For Elevated Installation >10' To 15', Add	5.30	
		For Elevated Installation >15' To 20', Add	10.59	
		For Elevated Installation >20' To 25', Add	13.24	
		For Elevated Installation >25' To 30', Add	18.54	
		For Elevated Installation >30' To 35', Add	21.19	
		For Elevated Installation >35' To 40', Add	26.49	
		For Elevated Installation >40', Add	29.13	
		For Work In Restricted Working Space, Add	15.89	
26 05 33 13-1145	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	170.98	30.67
		For Elevated Installation >10' To 15', Add	6.13	
		For Elevated Installation >15' To 20', Add	12.27	
		For Elevated Installation >20' To 25', Add	15.34	
		For Elevated Installation >25' To 30', Add	21.47	
		For Elevated Installation >30' To 35', Add	24.54	
		For Elevated Installation >35' To 40', Add	30.67	
		For Elevated Installation >40', Add	33.74	
		For Work In Restricted Working Space, Add	18.40	
26 05 33 13-1146	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	208.36	34.85
		For Elevated Installation >10' To 15', Add	6.97	
		For Elevated Installation >15' To 20', Add	13.94	
		For Elevated Installation >20' To 25', Add	17.43	
		For Elevated Installation >25' To 30', Add	24.40	
		For Elevated Installation >30' To 35', Add	27.88	
		For Elevated Installation >35' To 40', Add	34.85	
		For Elevated Installation >40', Add	38.34	
		For Work In Restricted Working Space, Add	20.91	
26 05 33 13-1147	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	299.61	38.33
		For Elevated Installation >10' To 15', Add	7.67	
		For Elevated Installation >15' To 20', Add	15.33	
		For Elevated Installation >20' To 25', Add	19.17	
		For Elevated Installation >25' To 30', Add	26.83	
		For Elevated Installation >30' To 35', Add	30.67	
		For Elevated Installation >35' To 40', Add	38.34	
		For Elevated Installation >40', Add	42.17	
		For Work In Restricted Working Space, Add	23.00	
26 05 33 13-1148	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	409.44	48.10
		For Elevated Installation >10' To 15', Add	9.62	
		For Elevated Installation >15' To 20', Add	19.24	
		For Elevated Installation >20' To 25', Add	24.05	
		For Elevated Installation >25' To 30', Add	33.66	
		For Elevated Installation >30' To 35', Add	38.47	
		For Elevated Installation >35' To 40', Add	48.09	
		For Elevated Installation >40', Add	52.90	
		For Work In Restricted Working Space, Add	28.85	

26 05 33 13-1149 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbows

(26 05 33 13-0848)

26 05 33 13-1150	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow.....	104.43	17.43
		For Elevated Installation >10' To 15', Add	3.49	
		For Elevated Installation >15' To 20', Add	6.97	
		For Elevated Installation >20' To 25', Add	8.71	
		For Elevated Installation >25' To 30', Add	12.20	
		For Elevated Installation >30' To 35', Add	13.94	
		For Elevated Installation >35' To 40', Add	17.43	
		For Elevated Installation >40', Add	19.17	
		For Work In Restricted Working Space, Add	10.46	
26 05 33 13-1151	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow.....	124.57	21.61
		For Elevated Installation >10' To 15', Add	4.32	
		For Elevated Installation >15' To 20', Add	8.64	
		For Elevated Installation >20' To 25', Add	10.80	
		For Elevated Installation >25' To 30', Add	15.12	
		For Elevated Installation >30' To 35', Add	17.28	
		For Elevated Installation >35' To 40', Add	21.61	
		For Elevated Installation >40', Add	23.77	
		For Work In Restricted Working Space, Add	12.96	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1152	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow	144.79	26.49
			For Elevated Installation >10' To 15', Add	5.30	
			For Elevated Installation >15' To 20', Add	10.59	
			For Elevated Installation >20' To 25', Add	13.24	
			For Elevated Installation >25' To 30', Add	18.54	
			For Elevated Installation >30' To 35', Add	21.19	
			For Elevated Installation >35' To 40', Add	26.49	
			For Elevated Installation >40', Add	29.13	
			For Work In Restricted Working Space, Add	15.89	
26 05 33 13-1153	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow	170.93	30.67
			For Elevated Installation >10' To 15', Add	6.13	
			For Elevated Installation >15' To 20', Add	12.27	
			For Elevated Installation >20' To 25', Add	15.34	
			For Elevated Installation >25' To 30', Add	21.47	
			For Elevated Installation >30' To 35', Add	24.54	
			For Elevated Installation >35' To 40', Add	30.67	
			For Elevated Installation >40', Add	33.74	
			For Work In Restricted Working Space, Add	18.40	
26 05 33 13-1154 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbows (26 05 33 13-0848)					
26 05 33 13-1155	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	82.27	17.43
			For Elevated Installation >10' To 15', Add	3.49	
			For Elevated Installation >15' To 20', Add	6.97	
			For Elevated Installation >20' To 25', Add	8.71	
			For Elevated Installation >25' To 30', Add	12.20	
			For Elevated Installation >30' To 35', Add	13.94	
			For Elevated Installation >35' To 40', Add	17.43	
			For Elevated Installation >40', Add	19.17	
			For Work In Restricted Working Space, Add	10.46	
26 05 33 13-1156	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	94.87	21.61
			For Elevated Installation >10' To 15', Add	4.32	
			For Elevated Installation >15' To 20', Add	8.64	
			For Elevated Installation >20' To 25', Add	10.80	
			For Elevated Installation >25' To 30', Add	15.12	
			For Elevated Installation >30' To 35', Add	17.28	
			For Elevated Installation >35' To 40', Add	21.61	
			For Elevated Installation >40', Add	23.77	
			For Work In Restricted Working Space, Add	12.96	
26 05 33 13-1157	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	122.60	26.49
			For Elevated Installation >10' To 15', Add	5.30	
			For Elevated Installation >15' To 20', Add	10.59	
			For Elevated Installation >20' To 25', Add	13.24	
			For Elevated Installation >25' To 30', Add	18.54	
			For Elevated Installation >30' To 35', Add	21.19	
			For Elevated Installation >35' To 40', Add	26.49	
			For Elevated Installation >40', Add	29.13	
			For Work In Restricted Working Space, Add	15.89	
26 05 33 13-1158	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	153.13	30.67
			For Elevated Installation >10' To 15', Add	6.13	
			For Elevated Installation >15' To 20', Add	12.27	
			For Elevated Installation >20' To 25', Add	15.34	
			For Elevated Installation >25' To 30', Add	21.47	
			For Elevated Installation >30' To 35', Add	24.54	
			For Elevated Installation >35' To 40', Add	30.67	
			For Elevated Installation >40', Add	33.74	
			For Work In Restricted Working Space, Add	18.40	
26 05 33 13-1159	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	179.29	34.85
			For Elevated Installation >10' To 15', Add	6.97	
			For Elevated Installation >15' To 20', Add	13.94	
			For Elevated Installation >20' To 25', Add	17.43	
			For Elevated Installation >25' To 30', Add	24.40	
			For Elevated Installation >30' To 35', Add	27.88	
			For Elevated Installation >35' To 40', Add	34.85	
			For Elevated Installation >40', Add	38.34	
			For Work In Restricted Working Space, Add	20.91	
26 05 33 13-1160	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	206.52	38.33
			For Elevated Installation >10' To 15', Add	7.67	
			For Elevated Installation >15' To 20', Add	15.33	
			For Elevated Installation >20' To 25', Add	19.17	
			For Elevated Installation >25' To 30', Add	26.83	
			For Elevated Installation >30' To 35', Add	30.67	
			For Elevated Installation >35' To 40', Add	38.34	
			For Elevated Installation >40', Add	42.17	
			For Work In Restricted Working Space, Add	23.00	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-1161	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	385.70	48.10
		For Elevated Installation >10' To 15', Add	9.62	
		For Elevated Installation >15' To 20', Add	19.24	
		For Elevated Installation >20' To 25', Add	24.05	
		For Elevated Installation >25' To 30', Add	33.66	
		For Elevated Installation >30' To 35', Add	38.47	
		For Elevated Installation >35' To 40', Add	48.09	
		For Elevated Installation >40', Add	52.90	
		For Work In Restricted Working Space, Add	28.85	
26 05 33 13-1162	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	442.05	65.52
		For Elevated Installation >10' To 15', Add	13.10	
		For Elevated Installation >15' To 20', Add	26.21	
		For Elevated Installation >20' To 25', Add	32.76	
		For Elevated Installation >25' To 30', Add	45.86	
		For Elevated Installation >30' To 35', Add	52.41	
		For Elevated Installation >35' To 40', Add	65.52	
		For Elevated Installation >40', Add	72.07	
		For Work In Restricted Working Space, Add	39.31	
26 05 33 13-1163	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	476.94	73.88
		For Elevated Installation >10' To 15', Add	14.78	
		For Elevated Installation >15' To 20', Add	29.55	
		For Elevated Installation >20' To 25', Add	36.94	
		For Elevated Installation >25' To 30', Add	51.72	
		For Elevated Installation >30' To 35', Add	59.11	
		For Elevated Installation >35' To 40', Add	73.89	
		For Elevated Installation >40', Add	81.27	
		For Work In Restricted Working Space, Add	44.33	
26 05 33 13-1164	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	588.41	96.18
		For Elevated Installation >10' To 15', Add	19.24	
		For Elevated Installation >15' To 20', Add	38.47	
		For Elevated Installation >20' To 25', Add	48.09	
		For Elevated Installation >25' To 30', Add	67.33	
		For Elevated Installation >30' To 35', Add	76.95	
		For Elevated Installation >35' To 40', Add	96.19	
		For Elevated Installation >40', Add	105.80	
		For Work In Restricted Working Space, Add	57.71	

26 05 33 13-1165 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbows

(26 05 33 13-0848)

26 05 33 13-1166	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	172.22	33.46
		For Elevated Installation >10' To 15', Add	6.69	
		For Elevated Installation >15' To 20', Add	13.38	
		For Elevated Installation >20' To 25', Add	16.73	
		For Elevated Installation >25' To 30', Add	23.42	
		For Elevated Installation >30' To 35', Add	26.77	
		For Elevated Installation >35' To 40', Add	33.46	
		For Elevated Installation >40', Add	36.81	
		For Work In Restricted Working Space, Add	20.08	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.08	
26 05 33 13-1167	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	186.11	38.33
		For Elevated Installation >10' To 15', Add	7.67	
		For Elevated Installation >15' To 20', Add	15.33	
		For Elevated Installation >20' To 25', Add	19.17	
		For Elevated Installation >25' To 30', Add	26.83	
		For Elevated Installation >30' To 35', Add	30.67	
		For Elevated Installation >35' To 40', Add	38.34	
		For Elevated Installation >40', Add	42.17	
		For Work In Restricted Working Space, Add	23.00	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.00	
26 05 33 13-1168	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	203.73	43.92
		For Elevated Installation >10' To 15', Add	8.78	
		For Elevated Installation >15' To 20', Add	17.56	
		For Elevated Installation >20' To 25', Add	21.96	
		For Elevated Installation >25' To 30', Add	30.74	
		For Elevated Installation >30' To 35', Add	35.13	
		For Elevated Installation >35' To 40', Add	43.91	
		For Elevated Installation >40', Add	48.30	
		For Work In Restricted Working Space, Add	26.35	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.35	
26 05 33 13-1169	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	273.63	50.88
		For Elevated Installation >10' To 15', Add	10.18	
		For Elevated Installation >15' To 20', Add	20.35	
		For Elevated Installation >20' To 25', Add	25.44	
		For Elevated Installation >25' To 30', Add	35.62	
		For Elevated Installation >30' To 35', Add	40.71	
		For Elevated Installation >35' To 40', Add	50.89	
		For Elevated Installation >40', Add	55.97	
		For Work In Restricted Working Space, Add	30.53	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1170	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow.....	348.14	55.76
			For Elevated Installation >10' To 15', Add	11.15	
			For Elevated Installation >15' To 20', Add	22.30	
			For Elevated Installation >20' To 25', Add	27.88	
			For Elevated Installation >25' To 30', Add	39.03	
			For Elevated Installation >30' To 35', Add	44.61	
			For Elevated Installation >35' To 40', Add	55.76	
			For Elevated Installation >40', Add	61.34	
			For Work In Restricted Working Space, Add	33.46	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.46	
26 05 33 13-1171			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Boxes With Cast Iron Cover		
26 05 33 13-1172	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover	207.38	33.46
			For Elevated Installation >10' To 15', Add	6.69	
			For Elevated Installation >15' To 20', Add	13.38	
			For Elevated Installation >20' To 25', Add	16.73	
			For Elevated Installation >25' To 30', Add	23.42	
			For Elevated Installation >30' To 35', Add	26.77	
			For Elevated Installation >35' To 40', Add	33.46	
			For Elevated Installation >40', Add	36.81	
			For Work In Restricted Working Space, Add	20.08	
26 05 33 13-1173	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover	223.42	38.33
			For Elevated Installation >10' To 15', Add	7.67	
			For Elevated Installation >15' To 20', Add	15.33	
			For Elevated Installation >20' To 25', Add	19.17	
			For Elevated Installation >25' To 30', Add	26.83	
			For Elevated Installation >30' To 35', Add	30.67	
			For Elevated Installation >35' To 40', Add	38.34	
			For Elevated Installation >40', Add	42.17	
			For Work In Restricted Working Space, Add	23.00	
26 05 33 13-1174	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover	261.15	43.92
			For Elevated Installation >10' To 15', Add	8.78	
			For Elevated Installation >15' To 20', Add	17.56	
			For Elevated Installation >20' To 25', Add	21.96	
			For Elevated Installation >25' To 30', Add	30.74	
			For Elevated Installation >30' To 35', Add	35.13	
			For Elevated Installation >35' To 40', Add	43.91	
			For Elevated Installation >40', Add	48.30	
			For Work In Restricted Working Space, Add	26.35	
26 05 33 13-1175	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover	373.29	50.88
			For Elevated Installation >10' To 15', Add	10.18	
			For Elevated Installation >15' To 20', Add	20.35	
			For Elevated Installation >20' To 25', Add	25.44	
			For Elevated Installation >25' To 30', Add	35.62	
			For Elevated Installation >30' To 35', Add	40.71	
			For Elevated Installation >35' To 40', Add	50.89	
			For Elevated Installation >40', Add	55.97	
			For Work In Restricted Working Space, Add	30.53	
26 05 33 13-1176	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover	606.39	55.76
			For Elevated Installation >10' To 15', Add	11.15	
			For Elevated Installation >15' To 20', Add	22.30	
			For Elevated Installation >20' To 25', Add	27.88	
			For Elevated Installation >25' To 30', Add	39.03	
			For Elevated Installation >30' To 35', Add	44.61	
			For Elevated Installation >35' To 40', Add	55.76	
			For Elevated Installation >40', Add	61.34	
			For Work In Restricted Working Space, Add	33.46	
26 05 33 13-1177	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover	655.21	66.92
			For Elevated Installation >10' To 15', Add	13.38	
			For Elevated Installation >15' To 20', Add	26.76	
			For Elevated Installation >20' To 25', Add	33.46	
			For Elevated Installation >25' To 30', Add	46.84	
			For Elevated Installation >30' To 35', Add	53.53	
			For Elevated Installation >35' To 40', Add	66.91	
			For Elevated Installation >40', Add	73.60	
			For Work In Restricted Working Space, Add	40.15	
26 05 33 13-1178			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Boxes With Cast Iron Cover		
26 05 33 13-1179	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	227.33	33.46
			For Elevated Installation >10' To 15', Add	6.69	
			For Elevated Installation >15' To 20', Add	13.38	
			For Elevated Installation >20' To 25', Add	16.73	
			For Elevated Installation >25' To 30', Add	23.42	
			For Elevated Installation >30' To 35', Add	26.77	
			For Elevated Installation >35' To 40', Add	33.46	
			For Elevated Installation >40', Add	36.81	
			For Work In Restricted Working Space, Add	20.08	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-1180	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	256.70	38.33
		For Elevated Installation >10' To 15', Add	7.67	
		For Elevated Installation >15' To 20', Add	15.33	
		For Elevated Installation >20' To 25', Add	19.17	
		For Elevated Installation >25' To 30', Add	26.83	
		For Elevated Installation >30' To 35', Add	30.67	
		For Elevated Installation >35' To 40', Add	38.34	
		For Elevated Installation >40', Add	42.17	
		For Work In Restricted Working Space, Add	23.00	
26 05 33 13-1181	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	280.14	43.92
		For Elevated Installation >10' To 15', Add	8.78	
		For Elevated Installation >15' To 20', Add	17.56	
		For Elevated Installation >20' To 25', Add	21.96	
		For Elevated Installation >25' To 30', Add	30.74	
		For Elevated Installation >30' To 35', Add	35.13	
		For Elevated Installation >35' To 40', Add	43.91	
		For Elevated Installation >40', Add	48.30	
		For Work In Restricted Working Space, Add	26.35	
26 05 33 13-1182	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	392.59	50.88
		For Elevated Installation >10' To 15', Add	10.18	
		For Elevated Installation >15' To 20', Add	20.35	
		For Elevated Installation >20' To 25', Add	25.44	
		For Elevated Installation >25' To 30', Add	35.62	
		For Elevated Installation >30' To 35', Add	40.71	
		For Elevated Installation >35' To 40', Add	50.89	
		For Elevated Installation >40', Add	55.97	
		For Work In Restricted Working Space, Add	30.53	
26 05 33 13-1183	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	652.41	55.76
		For Elevated Installation >10' To 15', Add	11.15	
		For Elevated Installation >15' To 20', Add	22.30	
		For Elevated Installation >20' To 25', Add	27.88	
		For Elevated Installation >25' To 30', Add	39.03	
		For Elevated Installation >30' To 35', Add	44.61	
		For Elevated Installation >35' To 40', Add	55.76	
		For Elevated Installation >40', Add	61.34	
		For Work In Restricted Working Space, Add	33.46	
26 05 33 13-1184	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	697.45	66.92
		For Elevated Installation >10' To 15', Add	13.38	
		For Elevated Installation >15' To 20', Add	26.76	
		For Elevated Installation >20' To 25', Add	33.46	
		For Elevated Installation >25' To 30', Add	46.84	
		For Elevated Installation >30' To 35', Add	53.53	
		For Elevated Installation >35' To 40', Add	66.91	
		For Elevated Installation >40', Add	73.60	
		For Work In Restricted Working Space, Add	40.15	

26 05 33 13-1185 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Boxes With Cast Iron Cover

(26 05 33 13-0848)

26 05 33 13-1186	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	227.48	33.46
		For Elevated Installation >10' To 15', Add	6.69	
		For Elevated Installation >15' To 20', Add	13.38	
		For Elevated Installation >20' To 25', Add	16.73	
		For Elevated Installation >25' To 30', Add	23.42	
		For Elevated Installation >30' To 35', Add	26.77	
		For Elevated Installation >35' To 40', Add	33.46	
		For Elevated Installation >40', Add	36.81	
		For Work In Restricted Working Space, Add	20.08	
26 05 33 13-1187	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	250.81	38.33
		For Elevated Installation >10' To 15', Add	7.67	
		For Elevated Installation >15' To 20', Add	15.33	
		For Elevated Installation >20' To 25', Add	19.17	
		For Elevated Installation >25' To 30', Add	26.83	
		For Elevated Installation >30' To 35', Add	30.67	
		For Elevated Installation >35' To 40', Add	38.34	
		For Elevated Installation >40', Add	42.17	
		For Work In Restricted Working Space, Add	23.00	
26 05 33 13-1188	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	298.47	43.92
		For Elevated Installation >10' To 15', Add	8.78	
		For Elevated Installation >15' To 20', Add	17.56	
		For Elevated Installation >20' To 25', Add	21.96	
		For Elevated Installation >25' To 30', Add	30.74	
		For Elevated Installation >30' To 35', Add	35.13	
		For Elevated Installation >35' To 40', Add	43.91	
		For Elevated Installation >40', Add	48.30	
		For Work In Restricted Working Space, Add	26.35	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1189	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	407.28	50.88
			For Elevated Installation >10' To 15', Add	10.18	
			For Elevated Installation >15' To 20', Add	20.35	
			For Elevated Installation >20' To 25', Add	25.44	
			For Elevated Installation >25' To 30', Add	35.62	
			For Elevated Installation >30' To 35', Add	40.71	
			For Elevated Installation >35' To 40', Add	50.89	
			For Elevated Installation >40', Add	55.97	
			For Work In Restricted Working Space, Add	30.53	
26 05 33 13-1190	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	674.34	55.76
			For Elevated Installation >10' To 15', Add	11.15	
			For Elevated Installation >15' To 20', Add	22.30	
			For Elevated Installation >20' To 25', Add	27.88	
			For Elevated Installation >25' To 30', Add	39.03	
			For Elevated Installation >30' To 35', Add	44.61	
			For Elevated Installation >35' To 40', Add	55.76	
			For Elevated Installation >40', Add	61.34	
			For Work In Restricted Working Space, Add	33.46	
26 05 33 13-1191	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	724.49	66.92
			For Elevated Installation >10' To 15', Add	13.38	
			For Elevated Installation >15' To 20', Add	26.76	
			For Elevated Installation >20' To 25', Add	33.46	
			For Elevated Installation >25' To 30', Add	46.84	
			For Elevated Installation >30' To 35', Add	53.53	
			For Elevated Installation >35' To 40', Add	66.91	
			For Elevated Installation >40', Add	73.60	
			For Work In Restricted Working Space, Add	40.15	
26 05 33 13-1192 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Boxes With Cast Iron Cover (26 05 33 13-0848)					
26 05 33 13-1193	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover	282.72	33.46
			For Elevated Installation >10' To 15', Add	6.69	
			For Elevated Installation >15' To 20', Add	13.38	
			For Elevated Installation >20' To 25', Add	16.73	
			For Elevated Installation >25' To 30', Add	23.42	
			For Elevated Installation >30' To 35', Add	26.77	
			For Elevated Installation >35' To 40', Add	33.46	
			For Elevated Installation >40', Add	36.81	
			For Work In Restricted Working Space, Add	20.08	
26 05 33 13-1194	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover	312.22	38.33
			For Elevated Installation >10' To 15', Add	7.67	
			For Elevated Installation >15' To 20', Add	15.33	
			For Elevated Installation >20' To 25', Add	19.17	
			For Elevated Installation >25' To 30', Add	26.83	
			For Elevated Installation >30' To 35', Add	30.67	
			For Elevated Installation >35' To 40', Add	38.34	
			For Elevated Installation >40', Add	42.17	
			For Work In Restricted Working Space, Add	23.00	
26 05 33 13-1195	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover	338.40	43.92
			For Elevated Installation >10' To 15', Add	8.78	
			For Elevated Installation >15' To 20', Add	17.56	
			For Elevated Installation >20' To 25', Add	21.96	
			For Elevated Installation >25' To 30', Add	30.74	
			For Elevated Installation >30' To 35', Add	35.13	
			For Elevated Installation >35' To 40', Add	43.91	
			For Elevated Installation >40', Add	48.30	
			For Work In Restricted Working Space, Add	26.35	
26 05 33 13-1196	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover	853.71	50.88
			For Elevated Installation >10' To 15', Add	10.18	
			For Elevated Installation >15' To 20', Add	20.35	
			For Elevated Installation >20' To 25', Add	25.44	
			For Elevated Installation >25' To 30', Add	35.62	
			For Elevated Installation >30' To 35', Add	40.71	
			For Elevated Installation >35' To 40', Add	50.89	
			For Elevated Installation >40', Add	55.97	
			For Work In Restricted Working Space, Add	30.53	
26 05 33 13-1197 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Boxes (26 05 33 13-0848)					
Note: Excludes cover.					
26 05 33 13-1198	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	135.44	33.46
			For Elevated Installation >10' To 15', Add	6.69	
			For Elevated Installation >15' To 20', Add	13.38	
			For Elevated Installation >20' To 25', Add	16.73	
			For Elevated Installation >25' To 30', Add	23.42	
			For Elevated Installation >30' To 35', Add	26.77	
			For Elevated Installation >35' To 40', Add	33.46	
			For Elevated Installation >40', Add	36.81	
			For Work In Restricted Working Space, Add	20.08	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-1199	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	148.89	38.33
		For Elevated Installation >10' To 15', Add	7.67	
		For Elevated Installation >15' To 20', Add	15.33	
		For Elevated Installation >20' To 25', Add	19.17	
		For Elevated Installation >25' To 30', Add	26.83	
		For Elevated Installation >30' To 35', Add	30.67	
		For Elevated Installation >35' To 40', Add	38.34	
		For Elevated Installation >40', Add	42.17	
		For Work In Restricted Working Space, Add	23.00	
26 05 33 13-1200	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	166.24	43.92
		For Elevated Installation >10' To 15', Add	8.78	
		For Elevated Installation >15' To 20', Add	17.56	
		For Elevated Installation >20' To 25', Add	21.96	
		For Elevated Installation >25' To 30', Add	30.74	
		For Elevated Installation >30' To 35', Add	35.13	
		For Elevated Installation >35' To 40', Add	43.91	
		For Elevated Installation >40', Add	48.30	
		For Work In Restricted Working Space, Add	26.35	
26 05 33 13-1201	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	150.41	33.46
		For Elevated Installation >10' To 15', Add	6.69	
		For Elevated Installation >15' To 20', Add	13.38	
		For Elevated Installation >20' To 25', Add	16.73	
		For Elevated Installation >25' To 30', Add	23.42	
		For Elevated Installation >30' To 35', Add	26.77	
		For Elevated Installation >35' To 40', Add	33.46	
		For Elevated Installation >40', Add	36.81	
		For Work In Restricted Working Space, Add	20.08	
26 05 33 13-1202	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	161.99	38.33
		For Elevated Installation >10' To 15', Add	7.67	
		For Elevated Installation >15' To 20', Add	15.33	
		For Elevated Installation >20' To 25', Add	19.17	
		For Elevated Installation >25' To 30', Add	26.83	
		For Elevated Installation >30' To 35', Add	30.67	
		For Elevated Installation >35' To 40', Add	38.34	
		For Elevated Installation >40', Add	42.17	
		For Work In Restricted Working Space, Add	23.00	
26 05 33 13-1203	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	184.44	43.92
		For Elevated Installation >10' To 15', Add	8.78	
		For Elevated Installation >15' To 20', Add	17.56	
		For Elevated Installation >20' To 25', Add	21.96	
		For Elevated Installation >25' To 30', Add	30.74	
		For Elevated Installation >30' To 35', Add	35.13	
		For Elevated Installation >35' To 40', Add	43.91	
		For Elevated Installation >40', Add	48.30	
		For Work In Restricted Working Space, Add	26.35	

26 05 33 13-1204 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Boxes

(26 05 33 13-0848)

Note: Excludes cover.

26 05 33 13-1205	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	142.52	33.46
		For Elevated Installation >10' To 15', Add	6.69	
		For Elevated Installation >15' To 20', Add	13.38	
		For Elevated Installation >20' To 25', Add	16.73	
		For Elevated Installation >25' To 30', Add	23.42	
		For Elevated Installation >30' To 35', Add	26.77	
		For Elevated Installation >35' To 40', Add	33.46	
		For Elevated Installation >40', Add	36.81	
		For Work In Restricted Working Space, Add	20.08	
26 05 33 13-1206	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	156.86	38.33
		For Elevated Installation >10' To 15', Add	7.67	
		For Elevated Installation >15' To 20', Add	15.33	
		For Elevated Installation >20' To 25', Add	19.17	
		For Elevated Installation >25' To 30', Add	26.83	
		For Elevated Installation >30' To 35', Add	30.67	
		For Elevated Installation >35' To 40', Add	38.34	
		For Elevated Installation >40', Add	42.17	
		For Work In Restricted Working Space, Add	23.00	
26 05 33 13-1207	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	171.74	43.92
		For Elevated Installation >10' To 15', Add	8.78	
		For Elevated Installation >15' To 20', Add	17.56	
		For Elevated Installation >20' To 25', Add	21.96	
		For Elevated Installation >25' To 30', Add	30.74	
		For Elevated Installation >30' To 35', Add	35.13	
		For Elevated Installation >35' To 40', Add	43.91	
		For Elevated Installation >40', Add	48.30	
		For Work In Restricted Working Space, Add	26.35	
26 05 33 13-1208	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	160.54	33.46
		For Elevated Installation >10' To 15', Add	6.69	
		For Elevated Installation >15' To 20', Add	13.38	
		For Elevated Installation >20' To 25', Add	16.73	
		For Elevated Installation >25' To 30', Add	23.42	
		For Elevated Installation >30' To 35', Add	26.77	
		For Elevated Installation >35' To 40', Add	33.46	
		For Elevated Installation >40', Add	36.81	
		For Work In Restricted Working Space, Add	20.08	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1209	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box.....	175.06	38.33
			For Elevated Installation >10' To 15', Add	7.67	
			For Elevated Installation >15' To 20', Add	15.33	
			For Elevated Installation >20' To 25', Add	19.17	
			For Elevated Installation >25' To 30', Add	26.63	
			For Elevated Installation >30' To 35', Add	30.67	
			For Elevated Installation >35' To 40', Add	38.34	
			For Elevated Installation >40', Add	42.17	
			For Work In Restricted Working Space, Add	23.00	
26 05 33 13-1210	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box.....	197.89	43.92
			For Elevated Installation >10' To 15', Add	8.78	
			For Elevated Installation >15' To 20', Add	17.56	
			For Elevated Installation >20' To 25', Add	21.96	
			For Elevated Installation >25' To 30', Add	30.74	
			For Elevated Installation >30' To 35', Add	35.13	
			For Elevated Installation >35' To 40', Add	43.91	
			For Elevated Installation >40', Add	48.30	
			For Work In Restricted Working Space, Add	26.35	
26 05 33 13-1211 Polyvinyl Chloride (PVC) Coated, Urethane Lined, FS And FD Series Covers					
			(26 05 33 13-0848)		
26 05 33 13-1212	EA		Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS23, FS And FD Series Cover	50.75	4.18
			For Elevated Installation >10' To 15', Add	0.84	
			For Elevated Installation >15' To 20', Add	1.67	
			For Elevated Installation >20' To 25', Add	2.09	
			For Elevated Installation >25' To 30', Add	2.93	
			For Elevated Installation >30' To 35', Add	3.34	
			For Elevated Installation >35' To 40', Add	4.18	
			For Elevated Installation >40', Add	4.60	
			For Work In Restricted Working Space, Add	2.51	
26 05 33 13-1213	EA		Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS21G, FS And FD Series Cover.....	69.06	4.88
			For Elevated Installation >10' To 15', Add	0.98	
			For Elevated Installation >15' To 20', Add	1.95	
			For Elevated Installation >20' To 25', Add	2.44	
			For Elevated Installation >25' To 30', Add	3.42	
			For Elevated Installation >30' To 35', Add	3.90	
			For Elevated Installation >35' To 40', Add	4.88	
			For Elevated Installation >40', Add	5.37	
			For Work In Restricted Working Space, Add	2.93	
26 05 33 13-1214	EA		Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS32G, FS And FD Series Cover.....	65.18	4.88
			For Elevated Installation >10' To 15', Add	0.98	
			For Elevated Installation >15' To 20', Add	1.95	
			For Elevated Installation >20' To 25', Add	2.44	
			For Elevated Installation >25' To 30', Add	3.42	
			For Elevated Installation >30' To 35', Add	3.90	
			For Elevated Installation >35' To 40', Add	4.88	
			For Elevated Installation >40', Add	5.37	
			For Work In Restricted Working Space, Add	2.93	
26 05 33 13-1215	EA		Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS100G, FS And FD Series Cover.....	57.92	4.88
			For Elevated Installation >10' To 15', Add	0.98	
			For Elevated Installation >15' To 20', Add	1.95	
			For Elevated Installation >20' To 25', Add	2.44	
			For Elevated Installation >25' To 30', Add	3.42	
			For Elevated Installation >30' To 35', Add	3.90	
			For Elevated Installation >35' To 40', Add	4.88	
			For Elevated Installation >40', Add	5.37	
			For Work In Restricted Working Space, Add	2.93	
26 05 33 13-1216	EA		Polyvinyl Chloride (PVC) Coated, Urethane Lined, WLRD1, FS And FD Series Cover	283.03	6.97
			For Elevated Installation >10' To 15', Add	1.39	
			For Elevated Installation >15' To 20', Add	2.79	
			For Elevated Installation >20' To 25', Add	3.49	
			For Elevated Installation >25' To 30', Add	4.88	
			For Elevated Installation >30' To 35', Add	5.58	
			For Elevated Installation >35' To 40', Add	6.97	
			For Elevated Installation >40', Add	7.67	
			For Work In Restricted Working Space, Add	4.18	
26 05 33 13-1217	EA		Polyvinyl Chloride (PVC) Coated, Urethane Lined, WLRS1, FS And FD Series Cover	251.55	6.97
			For Elevated Installation >10' To 15', Add	1.39	
			For Elevated Installation >15' To 20', Add	2.79	
			For Elevated Installation >20' To 25', Add	3.49	
			For Elevated Installation >25' To 30', Add	4.88	
			For Elevated Installation >30' To 35', Add	5.58	
			For Elevated Installation >35' To 40', Add	6.97	
			For Elevated Installation >40', Add	7.67	
			For Work In Restricted Working Space, Add	4.18	
26 05 33 13-1218 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Mogul Conduit Bodies					
			(26 05 33 13-0848)		
			Note: Includes covers.		
26 05 33 13-1219	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	294.41	43.92
			For Elevated Installation >10' To 15', Add	8.78	
			For Elevated Installation >15' To 20', Add	17.56	
			For Elevated Installation >20' To 25', Add	21.96	
			For Elevated Installation >25' To 30', Add	30.74	
			For Elevated Installation >30' To 35', Add	35.13	
			For Elevated Installation >35' To 40', Add	43.91	
			For Elevated Installation >40', Add	48.30	
			For Work In Restricted Working Space, Add	26.35	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 05 33 13-1220	EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	330.65		50.88
	For Elevated Installation >10' To 15', Add	10.18		
	For Elevated Installation >15' To 20', Add	20.35		
	For Elevated Installation >20' To 25', Add	25.44		
	For Elevated Installation >25' To 30', Add	35.62		
	For Elevated Installation >30' To 35', Add	40.71		
	For Elevated Installation >35' To 40', Add	50.89		
	For Elevated Installation >40', Add	55.97		
	For Work In Restricted Working Space, Add	30.53		
26 05 33 13-1221	EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	457.04		55.76
	For Elevated Installation >10' To 15', Add	11.15		
	For Elevated Installation >15' To 20', Add	22.30		
	For Elevated Installation >20' To 25', Add	27.88		
	For Elevated Installation >25' To 30', Add	39.03		
	For Elevated Installation >30' To 35', Add	44.61		
	For Elevated Installation >35' To 40', Add	55.76		
	For Elevated Installation >40', Add	61.34		
	For Work In Restricted Working Space, Add	33.46		
26 05 33 13-1222	EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	544.58		66.92
	For Elevated Installation >10' To 15', Add	13.38		
	For Elevated Installation >15' To 20', Add	26.76		
	For Elevated Installation >20' To 25', Add	33.46		
	For Elevated Installation >25' To 30', Add	46.84		
	For Elevated Installation >30' To 35', Add	53.53		
	For Elevated Installation >35' To 40', Add	66.91		
	For Elevated Installation >40', Add	73.60		
	For Work In Restricted Working Space, Add	40.15		
26 05 33 13-1223	EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	786.83		94.10
	For Elevated Installation >10' To 15', Add	18.82		
	For Elevated Installation >15' To 20', Add	37.64		
	For Elevated Installation >20' To 25', Add	47.05		
	For Elevated Installation >25' To 30', Add	65.87		
	For Elevated Installation >30' To 35', Add	75.28		
	For Elevated Installation >35' To 40', Add	94.10		
	For Elevated Installation >40', Add	103.50		
	For Work In Restricted Working Space, Add	56.46		
26 05 33 13-1224	EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	992.58		125.46
	For Elevated Installation >10' To 15', Add	25.09		
	For Elevated Installation >15' To 20', Add	50.18		
	For Elevated Installation >20' To 25', Add	62.73		
	For Elevated Installation >25' To 30', Add	87.82		
	For Elevated Installation >30' To 35', Add	100.37		
	For Elevated Installation >35' To 40', Add	125.46		
	For Elevated Installation >40', Add	138.01		
	For Work In Restricted Working Space, Add	75.28		
26 05 33 13-1225	EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	1,455.90		156.82
	For Elevated Installation >10' To 15', Add	31.37		
	For Elevated Installation >15' To 20', Add	62.73		
	For Elevated Installation >20' To 25', Add	78.41		
	For Elevated Installation >25' To 30', Add	109.78		
	For Elevated Installation >30' To 35', Add	125.46		
	For Elevated Installation >35' To 40', Add	156.83		
	For Elevated Installation >40', Add	172.51		
	For Work In Restricted Working Space, Add	94.10		
26 05 33 13-1226	EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	1,806.62		190.98
	For Elevated Installation >10' To 15', Add	38.20		
	For Elevated Installation >15' To 20', Add	76.39		
	For Elevated Installation >20' To 25', Add	95.49		
	For Elevated Installation >25' To 30', Add	133.69		
	For Elevated Installation >30' To 35', Add	152.78		
	For Elevated Installation >35' To 40', Add	190.98		
	For Elevated Installation >40', Add	210.08		
	For Work In Restricted Working Space, Add	114.59		
26 05 33 13-1227	EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	294.41		43.92
	For Elevated Installation >10' To 15', Add	8.78		
	For Elevated Installation >15' To 20', Add	17.56		
	For Elevated Installation >20' To 25', Add	21.96		
	For Elevated Installation >25' To 30', Add	30.74		
	For Elevated Installation >30' To 35', Add	35.13		
	For Elevated Installation >35' To 40', Add	43.91		
	For Elevated Installation >40', Add	48.30		
	For Work In Restricted Working Space, Add	26.35		
26 05 33 13-1228	EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	330.65		50.88
	For Elevated Installation >10' To 15', Add	10.18		
	For Elevated Installation >15' To 20', Add	20.35		
	For Elevated Installation >20' To 25', Add	25.44		
	For Elevated Installation >25' To 30', Add	35.62		
	For Elevated Installation >30' To 35', Add	40.71		
	For Elevated Installation >35' To 40', Add	50.89		
	For Elevated Installation >40', Add	55.97		
	For Work In Restricted Working Space, Add	30.53		
26 05 33 13-1229	EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	455.77		55.76
	For Elevated Installation >10' To 15', Add	11.15		
	For Elevated Installation >15' To 20', Add	22.30		
	For Elevated Installation >20' To 25', Add	27.88		
	For Elevated Installation >25' To 30', Add	39.03		
	For Elevated Installation >30' To 35', Add	44.61		
	For Elevated Installation >35' To 40', Add	55.76		
	For Elevated Installation >40', Add	61.34		
	For Work In Restricted Working Space, Add	33.46		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1230	EA	2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body 531.76	66.92	
			For Elevated Installation >10' To 15', Add	13.38	
			For Elevated Installation >15' To 20', Add	26.76	
			For Elevated Installation >20' To 25', Add	33.46	
			For Elevated Installation >25' To 30', Add	46.84	
			For Elevated Installation >30' To 35', Add	53.53	
			For Elevated Installation >35' To 40', Add	66.91	
			For Elevated Installation >40', Add	73.60	
			For Work In Restricted Working Space, Add	40.15	
26 05 33 13-1231	EA	2-1/2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body 798.64	94.10	
			For Elevated Installation >10' To 15', Add	18.82	
			For Elevated Installation >15' To 20', Add	37.64	
			For Elevated Installation >20' To 25', Add	47.05	
			For Elevated Installation >25' To 30', Add	65.87	
			For Elevated Installation >30' To 35', Add	75.28	
			For Elevated Installation >35' To 40', Add	94.10	
			For Elevated Installation >40', Add	103.50	
			For Work In Restricted Working Space, Add	56.46	
26 05 33 13-1232	EA	3"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body 1,045.54	125.46	
			For Elevated Installation >10' To 15', Add	25.09	
			For Elevated Installation >15' To 20', Add	50.18	
			For Elevated Installation >20' To 25', Add	62.73	
			For Elevated Installation >25' To 30', Add	87.82	
			For Elevated Installation >30' To 35', Add	100.37	
			For Elevated Installation >35' To 40', Add	125.46	
			For Elevated Installation >40', Add	138.01	
			For Work In Restricted Working Space, Add	75.28	
26 05 33 13-1233	EA	3-1/2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body 1,519.82	156.82	
			For Elevated Installation >10' To 15', Add	31.37	
			For Elevated Installation >15' To 20', Add	62.73	
			For Elevated Installation >20' To 25', Add	78.41	
			For Elevated Installation >25' To 30', Add	109.78	
			For Elevated Installation >30' To 35', Add	125.46	
			For Elevated Installation >35' To 40', Add	156.83	
			For Elevated Installation >40', Add	172.51	
			For Work In Restricted Working Space, Add	94.10	
26 05 33 13-1234	EA	4"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body 1,846.42	190.98	
			For Elevated Installation >10' To 15', Add	38.20	
			For Elevated Installation >15' To 20', Add	76.39	
			For Elevated Installation >20' To 25', Add	95.49	
			For Elevated Installation >25' To 30', Add	133.69	
			For Elevated Installation >30' To 35', Add	152.78	
			For Elevated Installation >35' To 40', Add	190.98	
			For Elevated Installation >40', Add	210.08	
			For Work In Restricted Working Space, Add	114.59	
26 05 33 13-1235	EA	1"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body 294.41	43.92	
			For Elevated Installation >10' To 15', Add	8.78	
			For Elevated Installation >15' To 20', Add	17.56	
			For Elevated Installation >20' To 25', Add	21.96	
			For Elevated Installation >25' To 30', Add	30.74	
			For Elevated Installation >30' To 35', Add	35.13	
			For Elevated Installation >35' To 40', Add	43.91	
			For Elevated Installation >40', Add	48.30	
			For Work In Restricted Working Space, Add	26.35	
26 05 33 13-1236	EA	1-1/4"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body 330.65	50.88	
			For Elevated Installation >10' To 15', Add	10.18	
			For Elevated Installation >15' To 20', Add	20.35	
			For Elevated Installation >20' To 25', Add	25.44	
			For Elevated Installation >25' To 30', Add	35.62	
			For Elevated Installation >30' To 35', Add	40.71	
			For Elevated Installation >35' To 40', Add	50.89	
			For Elevated Installation >40', Add	55.97	
			For Work In Restricted Working Space, Add	30.53	
26 05 33 13-1237	EA	1-1/2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body 455.77	55.76	
			For Elevated Installation >10' To 15', Add	11.15	
			For Elevated Installation >15' To 20', Add	22.30	
			For Elevated Installation >20' To 25', Add	27.88	
			For Elevated Installation >25' To 30', Add	39.03	
			For Elevated Installation >30' To 35', Add	44.61	
			For Elevated Installation >35' To 40', Add	55.76	
			For Elevated Installation >40', Add	61.34	
			For Work In Restricted Working Space, Add	33.46	
26 05 33 13-1238	EA	2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body 531.76	66.92	
			For Elevated Installation >10' To 15', Add	13.38	
			For Elevated Installation >15' To 20', Add	26.76	
			For Elevated Installation >20' To 25', Add	33.46	
			For Elevated Installation >25' To 30', Add	46.84	
			For Elevated Installation >30' To 35', Add	53.53	
			For Elevated Installation >35' To 40', Add	66.91	
			For Elevated Installation >40', Add	73.60	
			For Work In Restricted Working Space, Add	40.15	
26 05 33 13-1239	EA	2-1/2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body 798.64	94.10	
			For Elevated Installation >10' To 15', Add	18.82	
			For Elevated Installation >15' To 20', Add	37.64	
			For Elevated Installation >20' To 25', Add	47.05	
			For Elevated Installation >25' To 30', Add	65.87	
			For Elevated Installation >30' To 35', Add	75.28	
			For Elevated Installation >35' To 40', Add	94.10	
			For Elevated Installation >40', Add	103.50	
			For Work In Restricted Working Space, Add	56.46	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

26 05 33 13-1240	EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	1,045.54	125.46
	For Elevated Installation >10' To 15', Add	25.09	
	For Elevated Installation >15' To 20', Add	50.18	
	For Elevated Installation >20' To 25', Add	62.73	
	For Elevated Installation >25' To 30', Add	87.82	
	For Elevated Installation >30' To 35', Add	100.37	
	For Elevated Installation >35' To 40', Add	125.46	
	For Elevated Installation >40', Add	138.01	
	For Work In Restricted Working Space, Add	75.28	
26 05 33 13-1241	EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	1,519.82	156.82
	For Elevated Installation >10' To 15', Add	31.37	
	For Elevated Installation >15' To 20', Add	62.73	
	For Elevated Installation >20' To 25', Add	78.41	
	For Elevated Installation >25' To 30', Add	109.78	
	For Elevated Installation >30' To 35', Add	125.46	
	For Elevated Installation >35' To 40', Add	156.83	
	For Elevated Installation >40', Add	172.51	
	For Work In Restricted Working Space, Add	94.10	
26 05 33 13-1242	EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	1,846.42	190.98
	For Elevated Installation >10' To 15', Add	38.20	
	For Elevated Installation >15' To 20', Add	76.39	
	For Elevated Installation >20' To 25', Add	95.49	
	For Elevated Installation >25' To 30', Add	133.69	
	For Elevated Installation >30' To 35', Add	152.78	
	For Elevated Installation >35' To 40', Add	190.98	
	For Elevated Installation >40', Add	210.08	
	For Work In Restricted Working Space, Add	114.59	
26 05 33 13-1243	EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	294.41	43.92
	For Elevated Installation >10' To 15', Add	8.78	
	For Elevated Installation >15' To 20', Add	17.56	
	For Elevated Installation >20' To 25', Add	21.96	
	For Elevated Installation >25' To 30', Add	30.74	
	For Elevated Installation >30' To 35', Add	35.13	
	For Elevated Installation >35' To 40', Add	43.91	
	For Elevated Installation >40', Add	48.30	
	For Work In Restricted Working Space, Add	26.35	
26 05 33 13-1244	EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	330.65	50.88
	For Elevated Installation >10' To 15', Add	10.18	
	For Elevated Installation >15' To 20', Add	20.35	
	For Elevated Installation >20' To 25', Add	25.44	
	For Elevated Installation >25' To 30', Add	35.62	
	For Elevated Installation >30' To 35', Add	40.71	
	For Elevated Installation >35' To 40', Add	50.89	
	For Elevated Installation >40', Add	55.97	
	For Work In Restricted Working Space, Add	30.53	
26 05 33 13-1245	EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	457.04	55.76
	For Elevated Installation >10' To 15', Add	11.15	
	For Elevated Installation >15' To 20', Add	22.30	
	For Elevated Installation >20' To 25', Add	27.88	
	For Elevated Installation >25' To 30', Add	39.03	
	For Elevated Installation >30' To 35', Add	44.61	
	For Elevated Installation >35' To 40', Add	55.76	
	For Elevated Installation >40', Add	61.34	
	For Work In Restricted Working Space, Add	33.46	
26 05 33 13-1246	EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	538.67	66.92
	For Elevated Installation >10' To 15', Add	13.38	
	For Elevated Installation >15' To 20', Add	26.76	
	For Elevated Installation >20' To 25', Add	33.46	
	For Elevated Installation >25' To 30', Add	46.84	
	For Elevated Installation >30' To 35', Add	53.53	
	For Elevated Installation >35' To 40', Add	66.91	
	For Elevated Installation >40', Add	73.60	
	For Work In Restricted Working Space, Add	40.15	
26 05 33 13-1247	EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	786.83	94.10
	For Elevated Installation >10' To 15', Add	18.82	
	For Elevated Installation >15' To 20', Add	37.64	
	For Elevated Installation >20' To 25', Add	47.05	
	For Elevated Installation >25' To 30', Add	65.87	
	For Elevated Installation >30' To 35', Add	75.28	
	For Elevated Installation >35' To 40', Add	94.10	
	For Elevated Installation >40', Add	103.50	
	For Work In Restricted Working Space, Add	56.46	
26 05 33 13-1248	EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	992.58	125.46
	For Elevated Installation >10' To 15', Add	25.09	
	For Elevated Installation >15' To 20', Add	50.18	
	For Elevated Installation >20' To 25', Add	62.73	
	For Elevated Installation >25' To 30', Add	87.82	
	For Elevated Installation >30' To 35', Add	100.37	
	For Elevated Installation >35' To 40', Add	125.46	
	For Elevated Installation >40', Add	138.01	
	For Work In Restricted Working Space, Add	75.28	
26 05 33 13-1249	EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	1,455.90	156.82
	For Elevated Installation >10' To 15', Add	31.37	
	For Elevated Installation >15' To 20', Add	62.73	
	For Elevated Installation >20' To 25', Add	78.41	
	For Elevated Installation >25' To 30', Add	109.78	
	For Elevated Installation >30' To 35', Add	125.46	
	For Elevated Installation >35' To 40', Add	156.83	
	For Elevated Installation >40', Add	172.51	
	For Work In Restricted Working Space, Add	94.10	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1250	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body.....	1,823.20	190.98
		For Elevated Installation >10' To 15', Add	38.20	
		For Elevated Installation >15' To 20', Add	76.39	
		For Elevated Installation >20' To 25', Add	95.49	
		For Elevated Installation >25' To 30', Add	133.69	
		For Elevated Installation >30' To 35', Add	152.78	
		For Elevated Installation >35' To 40', Add	190.98	
		For Elevated Installation >40', Add	210.08	
		For Work In Restricted Working Space, Add	114.59	
26 05 33 13-1251		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Covers (26 05 33 13-0848)		
26 05 33 13-1252	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover.....	147.13	6.28
		For Elevated Installation >10' To 15', Add	1.25	
		For Elevated Installation >15' To 20', Add	2.51	
		For Elevated Installation >20' To 25', Add	3.14	
		For Elevated Installation >25' To 30', Add	4.39	
		For Elevated Installation >30' To 35', Add	5.02	
		For Elevated Installation >35' To 40', Add	6.27	
		For Elevated Installation >40', Add	6.90	
		For Work In Restricted Working Space, Add	3.76	
26 05 33 13-1253	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover.....	148.53	6.97
		For Elevated Installation >10' To 15', Add	1.39	
		For Elevated Installation >15' To 20', Add	2.79	
		For Elevated Installation >20' To 25', Add	3.49	
		For Elevated Installation >25' To 30', Add	4.88	
		For Elevated Installation >30' To 35', Add	5.58	
		For Elevated Installation >35' To 40', Add	6.97	
		For Elevated Installation >40', Add	7.67	
		For Work In Restricted Working Space, Add	4.18	
26 05 33 13-1254	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover.....	209.98	9.76
		For Elevated Installation >10' To 15', Add	1.95	
		For Elevated Installation >15' To 20', Add	3.90	
		For Elevated Installation >20' To 25', Add	4.88	
		For Elevated Installation >25' To 30', Add	6.83	
		For Elevated Installation >30' To 35', Add	7.80	
		For Elevated Installation >35' To 40', Add	9.76	
		For Elevated Installation >40', Add	10.73	
		For Work In Restricted Working Space, Add	5.85	
26 05 33 13-1255	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover.....	212.78	11.15
		For Elevated Installation >10' To 15', Add	2.23	
		For Elevated Installation >15' To 20', Add	4.46	
		For Elevated Installation >20' To 25', Add	5.58	
		For Elevated Installation >25' To 30', Add	7.81	
		For Elevated Installation >30' To 35', Add	8.92	
		For Elevated Installation >35' To 40', Add	11.16	
		For Elevated Installation >40', Add	12.27	
		For Work In Restricted Working Space, Add	6.69	
26 05 33 13-1256	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover.....	372.11	13.24
		For Elevated Installation >10' To 15', Add	2.65	
		For Elevated Installation >15' To 20', Add	5.30	
		For Elevated Installation >20' To 25', Add	6.62	
		For Elevated Installation >25' To 30', Add	9.27	
		For Elevated Installation >30' To 35', Add	10.60	
		For Elevated Installation >35' To 40', Add	13.25	
		For Elevated Installation >40', Add	14.57	
		For Work In Restricted Working Space, Add	7.95	
26 05 33 13-1257	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover.....	379.08	16.72
		For Elevated Installation >10' To 15', Add	3.35	
		For Elevated Installation >15' To 20', Add	6.69	
		For Elevated Installation >20' To 25', Add	8.37	
		For Elevated Installation >25' To 30', Add	11.71	
		For Elevated Installation >30' To 35', Add	13.38	
		For Elevated Installation >35' To 40', Add	16.73	
		For Elevated Installation >40', Add	18.40	
		For Work In Restricted Working Space, Add	10.04	
26 05 33 13-1258	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover.....	571.27	18.82
		For Elevated Installation >10' To 15', Add	3.76	
		For Elevated Installation >15' To 20', Add	7.53	
		For Elevated Installation >20' To 25', Add	9.41	
		For Elevated Installation >25' To 30', Add	13.17	
		For Elevated Installation >30' To 35', Add	15.06	
		For Elevated Installation >35' To 40', Add	18.82	
		For Elevated Installation >40', Add	20.70	
		For Work In Restricted Working Space, Add	11.29	
26 05 33 13-1259	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover.....	582.42	24.39
		For Elevated Installation >10' To 15', Add	4.88	
		For Elevated Installation >15' To 20', Add	9.76	
		For Elevated Installation >20' To 25', Add	12.20	
		For Elevated Installation >25' To 30', Add	17.08	
		For Elevated Installation >30' To 35', Add	19.52	
		For Elevated Installation >35' To 40', Add	24.40	
		For Elevated Installation >40', Add	26.83	
		For Work In Restricted Working Space, Add	14.64	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-1260 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fittings (26 05 33 13-0848)			
26 05 33 13-1261	EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	253.06	17.43
	For Elevated Installation >10' To 15', Add	3.49	
	For Elevated Installation >15' To 20', Add	6.97	
	For Elevated Installation >20' To 25', Add	8.71	
	For Elevated Installation >25' To 30', Add	12.20	
	For Elevated Installation >30' To 35', Add	13.94	
	For Elevated Installation >35' To 40', Add	17.43	
	For Elevated Installation >40', Add	19.17	
	For Work In Restricted Working Space, Add	10.46	
26 05 33 13-1262	EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	298.94	21.61
	For Elevated Installation >10' To 15', Add	4.32	
	For Elevated Installation >15' To 20', Add	8.64	
	For Elevated Installation >20' To 25', Add	10.80	
	For Elevated Installation >25' To 30', Add	15.12	
	For Elevated Installation >30' To 35', Add	17.28	
	For Elevated Installation >35' To 40', Add	21.61	
	For Elevated Installation >40', Add	23.77	
	For Work In Restricted Working Space, Add	12.96	
26 05 33 13-1263	EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	353.81	26.49
	For Elevated Installation >10' To 15', Add	5.30	
	For Elevated Installation >15' To 20', Add	10.59	
	For Elevated Installation >20' To 25', Add	13.24	
	For Elevated Installation >25' To 30', Add	18.54	
	For Elevated Installation >30' To 35', Add	21.19	
	For Elevated Installation >35' To 40', Add	26.49	
	For Elevated Installation >40', Add	29.13	
	For Work In Restricted Working Space, Add	15.89	
26 05 33 13-1264	EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	435.98	30.67
	For Elevated Installation >10' To 15', Add	6.13	
	For Elevated Installation >15' To 20', Add	12.27	
	For Elevated Installation >20' To 25', Add	15.34	
	For Elevated Installation >25' To 30', Add	21.47	
	For Elevated Installation >30' To 35', Add	24.54	
	For Elevated Installation >35' To 40', Add	30.67	
	For Elevated Installation >40', Add	33.74	
	For Work In Restricted Working Space, Add	18.40	
26 05 33 13-1265	EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	583.12	34.85
	For Elevated Installation >10' To 15', Add	6.97	
	For Elevated Installation >15' To 20', Add	13.94	
	For Elevated Installation >20' To 25', Add	17.43	
	For Elevated Installation >25' To 30', Add	24.40	
	For Elevated Installation >30' To 35', Add	27.88	
	For Elevated Installation >35' To 40', Add	34.85	
	For Elevated Installation >40', Add	38.34	
	For Work In Restricted Working Space, Add	20.91	
26 05 33 13-1266	EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	807.85	38.33
	For Elevated Installation >10' To 15', Add	7.67	
	For Elevated Installation >15' To 20', Add	15.33	
	For Elevated Installation >20' To 25', Add	19.17	
	For Elevated Installation >25' To 30', Add	26.83	
	For Elevated Installation >30' To 35', Add	30.67	
	For Elevated Installation >35' To 40', Add	38.34	
	For Elevated Installation >40', Add	42.17	
	For Work In Restricted Working Space, Add	23.00	
26 05 33 13-1267	EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	1,154.07	48.10
	For Elevated Installation >10' To 15', Add	9.62	
	For Elevated Installation >15' To 20', Add	19.24	
	For Elevated Installation >20' To 25', Add	24.05	
	For Elevated Installation >25' To 30', Add	33.66	
	For Elevated Installation >30' To 35', Add	38.47	
	For Elevated Installation >35' To 40', Add	48.09	
	For Elevated Installation >40', Add	52.90	
	For Work In Restricted Working Space, Add	28.85	
26 05 33 13-1268	EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	1,434.73	65.52
	For Elevated Installation >10' To 15', Add	13.10	
	For Elevated Installation >15' To 20', Add	26.21	
	For Elevated Installation >20' To 25', Add	32.76	
	For Elevated Installation >25' To 30', Add	45.86	
	For Elevated Installation >30' To 35', Add	52.41	
	For Elevated Installation >35' To 40', Add	65.52	
	For Elevated Installation >40', Add	72.07	
	For Work In Restricted Working Space, Add	39.31	
26 05 33 13-1269	EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	2,013.91	73.88
	For Elevated Installation >10' To 15', Add	14.78	
	For Elevated Installation >15' To 20', Add	29.55	
	For Elevated Installation >20' To 25', Add	36.94	
	For Elevated Installation >25' To 30', Add	51.72	
	For Elevated Installation >30' To 35', Add	59.11	
	For Elevated Installation >35' To 40', Add	73.89	
	For Elevated Installation >40', Add	81.27	
	For Work In Restricted Working Space, Add	44.33	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1270	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	2,320.54	96.18
			For Elevated Installation >10' To 15', Add	19.24	
			For Elevated Installation >15' To 20', Add	38.47	
			For Elevated Installation >20' To 25', Add	48.09	
			For Elevated Installation >25' To 30', Add	67.33	
			For Elevated Installation >30' To 35', Add	76.95	
			For Elevated Installation >35' To 40', Add	96.19	
			For Elevated Installation >40', Add	105.80	
			For Work In Restricted Working Space, Add	57.71	
26 05 33 13-1271			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fittings With Bonding Jumper (26 05 33 13-0848)		
26 05 33 13-1272	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	402.56	17.43
			For Elevated Installation >10' To 15', Add	3.49	
			For Elevated Installation >15' To 20', Add	6.97	
			For Elevated Installation >20' To 25', Add	8.71	
			For Elevated Installation >25' To 30', Add	12.20	
			For Elevated Installation >30' To 35', Add	13.94	
			For Elevated Installation >35' To 40', Add	17.43	
			For Elevated Installation >40', Add	19.17	
			For Work In Restricted Working Space, Add	10.46	
26 05 33 13-1273	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	417.85	21.61
			For Elevated Installation >10' To 15', Add	4.32	
			For Elevated Installation >15' To 20', Add	8.64	
			For Elevated Installation >20' To 25', Add	10.80	
			For Elevated Installation >25' To 30', Add	15.12	
			For Elevated Installation >30' To 35', Add	17.28	
			For Elevated Installation >35' To 40', Add	21.61	
			For Elevated Installation >40', Add	23.77	
			For Work In Restricted Working Space, Add	12.96	
26 05 33 13-1274	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	469.19	26.49
			For Elevated Installation >10' To 15', Add	5.30	
			For Elevated Installation >15' To 20', Add	10.59	
			For Elevated Installation >20' To 25', Add	13.24	
			For Elevated Installation >25' To 30', Add	18.54	
			For Elevated Installation >30' To 35', Add	21.19	
			For Elevated Installation >35' To 40', Add	26.49	
			For Elevated Installation >40', Add	29.13	
			For Work In Restricted Working Space, Add	15.89	
26 05 33 13-1275	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	567.83	30.67
			For Elevated Installation >10' To 15', Add	6.13	
			For Elevated Installation >15' To 20', Add	12.27	
			For Elevated Installation >20' To 25', Add	15.34	
			For Elevated Installation >25' To 30', Add	21.47	
			For Elevated Installation >30' To 35', Add	24.54	
			For Elevated Installation >35' To 40', Add	30.67	
			For Elevated Installation >40', Add	33.74	
			For Work In Restricted Working Space, Add	18.40	
26 05 33 13-1276	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	688.40	34.85
			For Elevated Installation >10' To 15', Add	6.97	
			For Elevated Installation >15' To 20', Add	13.94	
			For Elevated Installation >20' To 25', Add	17.43	
			For Elevated Installation >25' To 30', Add	24.40	
			For Elevated Installation >30' To 35', Add	27.88	
			For Elevated Installation >35' To 40', Add	34.85	
			For Elevated Installation >40', Add	38.34	
			For Work In Restricted Working Space, Add	20.91	
26 05 33 13-1277	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	880.32	38.33
			For Elevated Installation >10' To 15', Add	7.67	
			For Elevated Installation >15' To 20', Add	15.33	
			For Elevated Installation >20' To 25', Add	19.17	
			For Elevated Installation >25' To 30', Add	26.83	
			For Elevated Installation >30' To 35', Add	30.67	
			For Elevated Installation >35' To 40', Add	38.34	
			For Elevated Installation >40', Add	42.17	
			For Work In Restricted Working Space, Add	23.00	
26 05 33 13-1278	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	1,300.06	48.10
			For Elevated Installation >10' To 15', Add	9.62	
			For Elevated Installation >15' To 20', Add	19.24	
			For Elevated Installation >20' To 25', Add	24.05	
			For Elevated Installation >25' To 30', Add	33.66	
			For Elevated Installation >30' To 35', Add	38.47	
			For Elevated Installation >35' To 40', Add	48.09	
			For Elevated Installation >40', Add	52.90	
			For Work In Restricted Working Space, Add	28.85	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-1279	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	1,629.82	65.52
		For Elevated Installation >10' To 15', Add	13.10	
		For Elevated Installation >15' To 20', Add	26.21	
		For Elevated Installation >20' To 25', Add	32.76	
		For Elevated Installation >25' To 30', Add	45.86	
		For Elevated Installation >30' To 35', Add	52.41	
		For Elevated Installation >35' To 40', Add	65.52	
		For Elevated Installation >40', Add	72.07	
		For Work In Restricted Working Space, Add	39.31	
26 05 33 13-1280	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	2,076.89	73.88
		For Elevated Installation >10' To 15', Add	14.78	
		For Elevated Installation >15' To 20', Add	29.55	
		For Elevated Installation >20' To 25', Add	36.94	
		For Elevated Installation >25' To 30', Add	51.72	
		For Elevated Installation >30' To 35', Add	59.11	
		For Elevated Installation >35' To 40', Add	73.89	
		For Elevated Installation >40', Add	81.27	
		For Work In Restricted Working Space, Add	44.33	
26 05 33 13-1281	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	2,599.48	96.18
		For Elevated Installation >10' To 15', Add	19.24	
		For Elevated Installation >15' To 20', Add	38.47	
		For Elevated Installation >20' To 25', Add	48.09	
		For Elevated Installation >25' To 30', Add	67.33	
		For Elevated Installation >30' To 35', Add	76.95	
		For Elevated Installation >35' To 40', Add	96.19	
		For Elevated Installation >40', Add	105.80	
		For Work In Restricted Working Space, Add	57.71	

26 05 33 13-1282 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STG Knockout Hubs

26 05 33 13-1283	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	83.48	8.36
		For Elevated Installation >10' To 15', Add	1.67	
		For Elevated Installation >15' To 20', Add	3.34	
		For Elevated Installation >20' To 25', Add	4.18	
		For Elevated Installation >25' To 30', Add	5.85	
		For Elevated Installation >30' To 35', Add	6.69	
		For Elevated Installation >35' To 40', Add	8.36	
		For Elevated Installation >40', Add	9.20	
		For Work In Restricted Working Space, Add	5.02	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.02	
26 05 33 13-1284	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	90.49	10.46
		For Elevated Installation >10' To 15', Add	2.09	
		For Elevated Installation >15' To 20', Add	4.18	
		For Elevated Installation >20' To 25', Add	5.23	
		For Elevated Installation >25' To 30', Add	7.32	
		For Elevated Installation >30' To 35', Add	8.36	
		For Elevated Installation >35' To 40', Add	10.46	
		For Elevated Installation >40', Add	11.50	
		For Work In Restricted Working Space, Add	6.27	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.27	
26 05 33 13-1285	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	99.53	12.54
		For Elevated Installation >10' To 15', Add	2.51	
		For Elevated Installation >15' To 20', Add	5.02	
		For Elevated Installation >20' To 25', Add	6.28	
		For Elevated Installation >25' To 30', Add	8.79	
		For Elevated Installation >30' To 35', Add	10.04	
		For Elevated Installation >35' To 40', Add	12.55	
		For Elevated Installation >40', Add	13.81	
		For Work In Restricted Working Space, Add	7.53	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.53	
26 05 33 13-1286	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	112.56	15.33
		For Elevated Installation >10' To 15', Add	3.07	
		For Elevated Installation >15' To 20', Add	6.13	
		For Elevated Installation >20' To 25', Add	7.67	
		For Elevated Installation >25' To 30', Add	10.73	
		For Elevated Installation >30' To 35', Add	12.27	
		For Elevated Installation >35' To 40', Add	15.34	
		For Elevated Installation >40', Add	16.87	
		For Work In Restricted Working Space, Add	9.20	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.20	
26 05 33 13-1287	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	151.50	17.43
		For Elevated Installation >10' To 15', Add	3.49	
		For Elevated Installation >15' To 20', Add	6.97	
		For Elevated Installation >20' To 25', Add	8.71	
		For Elevated Installation >25' To 30', Add	12.20	
		For Elevated Installation >30' To 35', Add	13.94	
		For Elevated Installation >35' To 40', Add	17.43	
		For Elevated Installation >40', Add	19.17	
		For Work In Restricted Working Space, Add	10.46	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.46	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1288	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	185.17	19.51
		For Elevated Installation >10' To 15', Add	3.90	
		For Elevated Installation >15' To 20', Add	7.81	
		For Elevated Installation >20' To 25', Add	9.76	
		For Elevated Installation >25' To 30', Add	13.66	
		For Elevated Installation >30' To 35', Add	15.61	
		For Elevated Installation >35' To 40', Add	19.52	
		For Elevated Installation >40', Add	21.47	
		For Work In Restricted Working Space, Add	11.71	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.71	
26 05 33 13-1289	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	265.18	24.39
		For Elevated Installation >10' To 15', Add	4.88	
		For Elevated Installation >15' To 20', Add	9.76	
		For Elevated Installation >20' To 25', Add	12.20	
		For Elevated Installation >25' To 30', Add	17.08	
		For Elevated Installation >30' To 35', Add	19.52	
		For Elevated Installation >35' To 40', Add	24.40	
		For Elevated Installation >40', Add	26.83	
		For Work In Restricted Working Space, Add	14.64	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.64	
26 05 33 13-1290	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	346.16	32.76
		For Elevated Installation >10' To 15', Add	6.55	
		For Elevated Installation >15' To 20', Add	13.10	
		For Elevated Installation >20' To 25', Add	16.38	
		For Elevated Installation >25' To 30', Add	22.93	
		For Elevated Installation >30' To 35', Add	26.21	
		For Elevated Installation >35' To 40', Add	32.76	
		For Elevated Installation >40', Add	36.04	
		For Work In Restricted Working Space, Add	19.66	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.66	
26 05 33 13-1291	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	442.12	36.94
		For Elevated Installation >10' To 15', Add	7.39	
		For Elevated Installation >15' To 20', Add	14.78	
		For Elevated Installation >20' To 25', Add	18.47	
		For Elevated Installation >25' To 30', Add	25.86	
		For Elevated Installation >30' To 35', Add	29.55	
		For Elevated Installation >35' To 40', Add	36.94	
		For Elevated Installation >40', Add	40.63	
		For Work In Restricted Working Space, Add	22.16	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.16	
26 05 33 13-1292	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	556.01	48.10
		For Elevated Installation >10' To 15', Add	9.62	
		For Elevated Installation >15' To 20', Add	19.24	
		For Elevated Installation >20' To 25', Add	24.05	
		For Elevated Installation >25' To 30', Add	33.66	
		For Elevated Installation >30' To 35', Add	38.47	
		For Elevated Installation >35' To 40', Add	48.09	
		For Elevated Installation >40', Add	52.90	
		For Work In Restricted Working Space, Add	28.85	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.85	
26 05 33 13-1293	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	690.90	78.06
		For Elevated Installation >10' To 15', Add	15.61	
		For Elevated Installation >15' To 20', Add	31.23	
		For Elevated Installation >20' To 25', Add	39.03	
		For Elevated Installation >25' To 30', Add	54.65	
		For Elevated Installation >30' To 35', Add	62.45	
		For Elevated Installation >35' To 40', Add	78.07	
		For Elevated Installation >40', Add	85.87	
		For Work In Restricted Working Space, Add	46.84	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	46.84	
26 05 33 13-1294	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	1,041.99	117.79
		For Elevated Installation >10' To 15', Add	23.56	
		For Elevated Installation >15' To 20', Add	47.12	
		For Elevated Installation >20' To 25', Add	58.90	
		For Elevated Installation >25' To 30', Add	82.46	
		For Elevated Installation >30' To 35', Add	94.24	
		For Elevated Installation >35' To 40', Add	117.80	
		For Elevated Installation >40', Add	129.57	
		For Work In Restricted Working Space, Add	70.68	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	70.68	
26 05 33 13-1295		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STTB Knockout Hubs (26 05 33 13-0848)		
26 05 33 13-1296	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	125.95	8.36
		For Elevated Installation >10' To 15', Add	1.67	
		For Elevated Installation >15' To 20', Add	3.34	
		For Elevated Installation >20' To 25', Add	4.18	
		For Elevated Installation >25' To 30', Add	5.85	
		For Elevated Installation >30' To 35', Add	6.69	
		For Elevated Installation >35' To 40', Add	8.36	
		For Elevated Installation >40', Add	9.20	
		For Work In Restricted Working Space, Add	5.02	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.02	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 05 33 13-1297	EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	133.27		10.46
	For Elevated Installation >10' To 15', Add	2.09		
	For Elevated Installation >15' To 20', Add	4.18		
	For Elevated Installation >20' To 25', Add	5.23		
	For Elevated Installation >25' To 30', Add	7.32		
	For Elevated Installation >30' To 35', Add	8.36		
	For Elevated Installation >35' To 40', Add	10.46		
	For Elevated Installation >40', Add	11.50		
	For Work In Restricted Working Space, Add	6.27		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.27		
26 05 33 13-1298	EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	143.24		12.54
	For Elevated Installation >10' To 15', Add	2.51		
	For Elevated Installation >15' To 20', Add	5.02		
	For Elevated Installation >20' To 25', Add	6.28		
	For Elevated Installation >25' To 30', Add	8.79		
	For Elevated Installation >30' To 35', Add	10.04		
	For Elevated Installation >35' To 40', Add	12.55		
	For Elevated Installation >40', Add	13.81		
	For Work In Restricted Working Space, Add	7.53		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.53		
26 05 33 13-1299	EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	163.54		15.33
	For Elevated Installation >10' To 15', Add	3.07		
	For Elevated Installation >15' To 20', Add	6.13		
	For Elevated Installation >20' To 25', Add	7.67		
	For Elevated Installation >25' To 30', Add	10.73		
	For Elevated Installation >30' To 35', Add	12.27		
	For Elevated Installation >35' To 40', Add	15.34		
	For Elevated Installation >40', Add	16.87		
	For Work In Restricted Working Space, Add	9.20		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.20		
26 05 33 13-1300	EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	175.56		17.43
	For Elevated Installation >10' To 15', Add	3.49		
	For Elevated Installation >15' To 20', Add	6.97		
	For Elevated Installation >20' To 25', Add	8.71		
	For Elevated Installation >25' To 30', Add	12.20		
	For Elevated Installation >30' To 35', Add	13.94		
	For Elevated Installation >35' To 40', Add	17.43		
	For Elevated Installation >40', Add	19.17		
	For Work In Restricted Working Space, Add	10.46		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.46		
26 05 33 13-1301	EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	198.58		19.51
	For Elevated Installation >10' To 15', Add	3.90		
	For Elevated Installation >15' To 20', Add	7.81		
	For Elevated Installation >20' To 25', Add	9.76		
	For Elevated Installation >25' To 30', Add	13.66		
	For Elevated Installation >30' To 35', Add	15.61		
	For Elevated Installation >35' To 40', Add	19.52		
	For Elevated Installation >40', Add	21.47		
	For Work In Restricted Working Space, Add	11.71		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.71		
26 05 33 13-1302	EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	302.80		24.39
	For Elevated Installation >10' To 15', Add	4.88		
	For Elevated Installation >15' To 20', Add	9.76		
	For Elevated Installation >20' To 25', Add	12.20		
	For Elevated Installation >25' To 30', Add	17.08		
	For Elevated Installation >30' To 35', Add	19.52		
	For Elevated Installation >35' To 40', Add	24.40		
	For Elevated Installation >40', Add	26.83		
	For Work In Restricted Working Space, Add	14.64		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.64		
26 05 33 13-1303	EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	362.38		32.76
	For Elevated Installation >10' To 15', Add	6.55		
	For Elevated Installation >15' To 20', Add	13.10		
	For Elevated Installation >20' To 25', Add	16.38		
	For Elevated Installation >25' To 30', Add	22.93		
	For Elevated Installation >30' To 35', Add	26.21		
	For Elevated Installation >35' To 40', Add	32.76		
	For Elevated Installation >40', Add	36.04		
	For Work In Restricted Working Space, Add	19.66		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.66		
26 05 33 13-1304	EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	445.63		36.94
	For Elevated Installation >10' To 15', Add	7.39		
	For Elevated Installation >15' To 20', Add	14.78		
	For Elevated Installation >20' To 25', Add	18.47		
	For Elevated Installation >25' To 30', Add	25.86		
	For Elevated Installation >30' To 35', Add	29.55		
	For Elevated Installation >35' To 40', Add	36.94		
	For Elevated Installation >40', Add	40.63		
	For Work In Restricted Working Space, Add	22.16		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.16		
26 05 33 13-1305	EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	578.63		48.10
	For Elevated Installation >10' To 15', Add	9.62		
	For Elevated Installation >15' To 20', Add	19.24		
	For Elevated Installation >20' To 25', Add	24.05		
	For Elevated Installation >25' To 30', Add	33.66		
	For Elevated Installation >30' To 35', Add	38.47		
	For Elevated Installation >35' To 40', Add	48.09		
	For Elevated Installation >40', Add	52.90		
	For Work In Restricted Working Space, Add	28.85		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.85		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 13-1306	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	900.08	78.06
		For Elevated Installation >10' To 15', Add	15.61	
		For Elevated Installation >15' To 20', Add	31.23	
		For Elevated Installation >20' To 25', Add	39.03	
		For Elevated Installation >25' To 30', Add	54.65	
		For Elevated Installation >30' To 35', Add	62.45	
		For Elevated Installation >35' To 40', Add	78.07	
		For Elevated Installation >40', Add	85.87	
		For Work In Restricted Working Space, Add	46.84	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	46.84	
26 05 33 13-1307	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	1,473.06	117.79
		For Elevated Installation >10' To 15', Add	23.56	
		For Elevated Installation >15' To 20', Add	47.12	
		For Elevated Installation >20' To 25', Add	58.90	
		For Elevated Installation >25' To 30', Add	82.46	
		For Elevated Installation >30' To 35', Add	94.24	
		For Elevated Installation >35' To 40', Add	117.80	
		For Elevated Installation >40', Add	129.57	
		For Work In Restricted Working Space, Add	70.68	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	70.68	

26 05 33 13-1308 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STTB Knockout Hubs (26 05 33 13-0848)

26 05 33 13-1309	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	135.40	8.36
		For Elevated Installation >10' To 15', Add	1.67	
		For Elevated Installation >15' To 20', Add	3.34	
		For Elevated Installation >20' To 25', Add	4.18	
		For Elevated Installation >25' To 30', Add	5.85	
		For Elevated Installation >30' To 35', Add	6.69	
		For Elevated Installation >35' To 40', Add	8.36	
		For Elevated Installation >40', Add	9.20	
		For Work In Restricted Working Space, Add	5.02	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.02	
26 05 33 13-1310	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	142.23	10.46
		For Elevated Installation >10' To 15', Add	2.09	
		For Elevated Installation >15' To 20', Add	4.18	
		For Elevated Installation >20' To 25', Add	5.23	
		For Elevated Installation >25' To 30', Add	7.32	
		For Elevated Installation >30' To 35', Add	8.36	
		For Elevated Installation >35' To 40', Add	10.46	
		For Elevated Installation >40', Add	11.50	
		For Work In Restricted Working Space, Add	6.27	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.27	
26 05 33 13-1311	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	152.61	12.54
		For Elevated Installation >10' To 15', Add	2.51	
		For Elevated Installation >15' To 20', Add	5.02	
		For Elevated Installation >20' To 25', Add	6.28	
		For Elevated Installation >25' To 30', Add	8.79	
		For Elevated Installation >30' To 35', Add	10.04	
		For Elevated Installation >35' To 40', Add	12.55	
		For Elevated Installation >40', Add	13.81	
		For Work In Restricted Working Space, Add	7.53	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.53	
26 05 33 13-1312	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	191.97	15.33
		For Elevated Installation >10' To 15', Add	3.07	
		For Elevated Installation >15' To 20', Add	6.13	
		For Elevated Installation >20' To 25', Add	7.67	
		For Elevated Installation >25' To 30', Add	10.73	
		For Elevated Installation >30' To 35', Add	12.27	
		For Elevated Installation >35' To 40', Add	15.34	
		For Elevated Installation >40', Add	16.87	
		For Work In Restricted Working Space, Add	9.20	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.20	
26 05 33 13-1313	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	209.88	17.43
		For Elevated Installation >10' To 15', Add	3.49	
		For Elevated Installation >15' To 20', Add	6.97	
		For Elevated Installation >20' To 25', Add	8.71	
		For Elevated Installation >25' To 30', Add	12.20	
		For Elevated Installation >30' To 35', Add	13.94	
		For Elevated Installation >35' To 40', Add	17.43	
		For Elevated Installation >40', Add	19.17	
		For Work In Restricted Working Space, Add	10.46	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.46	
26 05 33 13-1314	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	222.26	19.51
		For Elevated Installation >10' To 15', Add	3.90	
		For Elevated Installation >15' To 20', Add	7.81	
		For Elevated Installation >20' To 25', Add	9.76	
		For Elevated Installation >25' To 30', Add	13.66	
		For Elevated Installation >30' To 35', Add	15.61	
		For Elevated Installation >35' To 40', Add	19.52	
		For Elevated Installation >40', Add	21.47	
		For Work In Restricted Working Space, Add	11.71	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.71	

26 05 33 13-1315 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNF Conduit Unions (26 05 33 13-0848)

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 05 33 13-1316	EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	100.37		17.43
	For Elevated Installation >10' To 15', Add	3.49		
	For Elevated Installation >15' To 20', Add	6.97		
	For Elevated Installation >20' To 25', Add	8.71		
	For Elevated Installation >25' To 30', Add	12.20		
	For Elevated Installation >30' To 35', Add	13.94		
	For Elevated Installation >35' To 40', Add	17.43		
	For Elevated Installation >40', Add	19.17		
	For Work In Restricted Working Space, Add	10.46		
26 05 33 13-1317	EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	109.92		21.61
	For Elevated Installation >10' To 15', Add	4.32		
	For Elevated Installation >15' To 20', Add	8.64		
	For Elevated Installation >20' To 25', Add	10.80		
	For Elevated Installation >25' To 30', Add	15.12		
	For Elevated Installation >30' To 35', Add	17.28		
	For Elevated Installation >35' To 40', Add	21.61		
	For Elevated Installation >40', Add	23.77		
	For Work In Restricted Working Space, Add	12.96		
26 05 33 13-1318	EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	142.40		26.49
	For Elevated Installation >10' To 15', Add	5.30		
	For Elevated Installation >15' To 20', Add	10.59		
	For Elevated Installation >20' To 25', Add	13.24		
	For Elevated Installation >25' To 30', Add	18.54		
	For Elevated Installation >30' To 35', Add	21.19		
	For Elevated Installation >35' To 40', Add	26.49		
	For Elevated Installation >40', Add	29.13		
	For Work In Restricted Working Space, Add	15.89		
26 05 33 13-1319	EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	205.28		30.67
	For Elevated Installation >10' To 15', Add	6.13		
	For Elevated Installation >15' To 20', Add	12.27		
	For Elevated Installation >20' To 25', Add	15.34		
	For Elevated Installation >25' To 30', Add	21.47		
	For Elevated Installation >30' To 35', Add	24.54		
	For Elevated Installation >35' To 40', Add	30.67		
	For Elevated Installation >40', Add	33.74		
	For Work In Restricted Working Space, Add	18.40		
26 05 33 13-1320	EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	243.31		34.85
	For Elevated Installation >10' To 15', Add	6.97		
	For Elevated Installation >15' To 20', Add	13.94		
	For Elevated Installation >20' To 25', Add	17.43		
	For Elevated Installation >25' To 30', Add	24.40		
	For Elevated Installation >30' To 35', Add	27.88		
	For Elevated Installation >35' To 40', Add	34.85		
	For Elevated Installation >40', Add	38.34		
	For Work In Restricted Working Space, Add	20.91		
26 05 33 13-1321	EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	308.03		38.33
	For Elevated Installation >10' To 15', Add	7.67		
	For Elevated Installation >15' To 20', Add	15.33		
	For Elevated Installation >20' To 25', Add	19.17		
	For Elevated Installation >25' To 30', Add	26.83		
	For Elevated Installation >30' To 35', Add	30.67		
	For Elevated Installation >35' To 40', Add	38.34		
	For Elevated Installation >40', Add	42.17		
	For Work In Restricted Working Space, Add	23.00		
26 05 33 13-1322	EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	409.41		48.10
	For Elevated Installation >10' To 15', Add	9.62		
	For Elevated Installation >15' To 20', Add	19.24		
	For Elevated Installation >20' To 25', Add	24.05		
	For Elevated Installation >25' To 30', Add	33.66		
	For Elevated Installation >30' To 35', Add	38.47		
	For Elevated Installation >35' To 40', Add	48.09		
	For Elevated Installation >40', Add	52.90		
	For Work In Restricted Working Space, Add	28.85		
26 05 33 13-1323	EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	528.01		48.10
	For Elevated Installation >10' To 15', Add	9.62		
	For Elevated Installation >15' To 20', Add	19.24		
	For Elevated Installation >20' To 25', Add	24.05		
	For Elevated Installation >25' To 30', Add	33.66		
	For Elevated Installation >30' To 35', Add	38.47		
	For Elevated Installation >35' To 40', Add	48.09		
	For Elevated Installation >40', Add	52.90		
	For Work In Restricted Working Space, Add	28.85		
26 05 33 13-1324	EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	683.43		73.88
	For Elevated Installation >10' To 15', Add	14.78		
	For Elevated Installation >15' To 20', Add	29.55		
	For Elevated Installation >20' To 25', Add	36.94		
	For Elevated Installation >25' To 30', Add	51.72		
	For Elevated Installation >30' To 35', Add	59.11		
	For Elevated Installation >35' To 40', Add	73.89		
	For Elevated Installation >40', Add	81.27		
	For Work In Restricted Working Space, Add	44.33		
26 05 33 13-1325	EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	880.17		96.18
	For Elevated Installation >10' To 15', Add	19.24		
	For Elevated Installation >15' To 20', Add	38.47		
	For Elevated Installation >20' To 25', Add	48.09		
	For Elevated Installation >25' To 30', Add	67.33		
	For Elevated Installation >30' To 35', Add	76.95		
	For Elevated Installation >35' To 40', Add	96.19		
	For Elevated Installation >40', Add	105.80		
	For Work In Restricted Working Space, Add	57.71		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1326	EA	5"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	1,599.22 31.37 62.73 78.41 109.78 125.46 156.83 172.51 94.10	156.82
26 05 33 13-1327	EA	6"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	2,002.28 47.12 94.24 117.80 164.91 188.47 235.59 259.15 141.35	235.59
26 05 33 13-1328 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNY Conduit Unions (26 05 33 13-0848)					
26 05 33 13-1329	EA	1/2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	102.58 3.49 6.97 8.71 12.20 13.94 17.43 19.17 10.46	17.43
26 05 33 13-1330	EA	3/4"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	118.35 4.32 8.64 10.80 15.12 17.28 21.61 23.77 12.96	21.61
26 05 33 13-1331	EA	1"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	146.90 5.30 10.59 13.24 18.54 21.19 26.49 29.13 15.89	26.49
26 05 33 13-1332	EA	1-1/4"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	213.53 6.13 12.27 15.34 21.47 24.54 30.67 33.74 18.40	30.67
26 05 33 13-1333	EA	1-1/2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	254.76 6.97 13.94 17.43 24.40 27.88 34.85 38.34 20.91	34.85
26 05 33 13-1334	EA	2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	332.76 7.67 15.33 19.17 26.83 30.67 38.34 42.17 23.00	38.33
26 05 33 13-1335	EA	2-1/2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	462.32 9.62 19.24 24.05 33.66 38.47 48.09 52.90 28.85	48.10

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-1336	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union.....	581.80	48.10
		For Elevated Installation >10' To 15', Add	9.62	
		For Elevated Installation >15' To 20', Add	19.24	
		For Elevated Installation >20' To 25', Add	24.05	
		For Elevated Installation >25' To 30', Add	33.66	
		For Elevated Installation >30' To 35', Add	38.47	
		For Elevated Installation >35' To 40', Add	48.09	
		For Elevated Installation >40', Add	52.90	
		For Work In Restricted Working Space, Add	28.85	
26 05 33 13-1337	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union.....	780.68	73.88
		For Elevated Installation >10' To 15', Add	14.78	
		For Elevated Installation >15' To 20', Add	29.55	
		For Elevated Installation >20' To 25', Add	36.94	
		For Elevated Installation >25' To 30', Add	51.72	
		For Elevated Installation >30' To 35', Add	59.11	
		For Elevated Installation >35' To 40', Add	73.89	
		For Elevated Installation >40', Add	81.27	
		For Work In Restricted Working Space, Add	44.33	
26 05 33 13-1338	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union.....	977.06	96.18
		For Elevated Installation >10' To 15', Add	19.24	
		For Elevated Installation >15' To 20', Add	38.47	
		For Elevated Installation >20' To 25', Add	48.09	
		For Elevated Installation >25' To 30', Add	67.33	
		For Elevated Installation >30' To 35', Add	76.95	
		For Elevated Installation >35' To 40', Add	96.19	
		For Elevated Installation >40', Add	105.80	
		For Work In Restricted Working Space, Add	57.71	
26 05 33 13-1339	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union.....	1,776.85	156.82
		For Elevated Installation >10' To 15', Add	31.37	
		For Elevated Installation >15' To 20', Add	62.73	
		For Elevated Installation >20' To 25', Add	78.41	
		For Elevated Installation >25' To 30', Add	109.78	
		For Elevated Installation >30' To 35', Add	125.46	
		For Elevated Installation >35' To 40', Add	156.83	
		For Elevated Installation >40', Add	172.51	
		For Work In Restricted Working Space, Add	94.10	
26 05 33 13-1340	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union.....	2,289.09	235.59
		For Elevated Installation >10' To 15', Add	47.12	
		For Elevated Installation >15' To 20', Add	94.24	
		For Elevated Installation >20' To 25', Add	117.80	
		For Elevated Installation >25' To 30', Add	164.91	
		For Elevated Installation >30' To 35', Add	188.47	
		For Elevated Installation >35' To 40', Add	235.59	
		For Elevated Installation >40', Add	259.15	
		For Work In Restricted Working Space, Add	141.35	

26 05 33 13-1341 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Reducing Couplings

(26 05 33 13-0848)

26 05 33 13-1342	EA	3/4" x 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	55.47	5.57
		For Elevated Installation >10' To 15', Add	1.12	
		For Elevated Installation >15' To 20', Add	2.23	
		For Elevated Installation >20' To 25', Add	2.79	
		For Elevated Installation >25' To 30', Add	3.90	
		For Elevated Installation >30' To 35', Add	4.46	
		For Elevated Installation >35' To 40', Add	5.58	
		For Elevated Installation >40', Add	6.13	
		For Work In Restricted Working Space, Add	3.35	
26 05 33 13-1343	EA	1" x 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	60.94	6.97
		For Elevated Installation >10' To 15', Add	1.40	
		For Elevated Installation >15' To 20', Add	2.79	
		For Elevated Installation >20' To 25', Add	3.49	
		For Elevated Installation >25' To 30', Add	4.88	
		For Elevated Installation >30' To 35', Add	5.58	
		For Elevated Installation >35' To 40', Add	6.98	
		For Elevated Installation >40', Add	7.67	
		For Work In Restricted Working Space, Add	4.19	
26 05 33 13-1344	EA	1" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	69.21	6.97
		For Elevated Installation >10' To 15', Add	1.40	
		For Elevated Installation >15' To 20', Add	2.79	
		For Elevated Installation >20' To 25', Add	3.49	
		For Elevated Installation >25' To 30', Add	4.88	
		For Elevated Installation >30' To 35', Add	5.58	
		For Elevated Installation >35' To 40', Add	6.98	
		For Elevated Installation >40', Add	7.67	
		For Work In Restricted Working Space, Add	4.19	
26 05 33 13-1345	EA	1-1/4" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	85.44	7.67
		For Elevated Installation >10' To 15', Add	1.53	
		For Elevated Installation >15' To 20', Add	3.07	
		For Elevated Installation >20' To 25', Add	3.83	
		For Elevated Installation >25' To 30', Add	5.37	
		For Elevated Installation >30' To 35', Add	6.13	
		For Elevated Installation >35' To 40', Add	7.67	
		For Elevated Installation >40', Add	8.43	
		For Work In Restricted Working Space, Add	4.60	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1346	EA	1-1/4" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	90.22	7.67	
		For Elevated Installation >10' To 15', Add	1.53		
		For Elevated Installation >15' To 20', Add	3.07		
		For Elevated Installation >20' To 25', Add	3.83		
		For Elevated Installation >25' To 30', Add	5.37		
		For Elevated Installation >30' To 35', Add	6.13		
		For Elevated Installation >35' To 40', Add	7.67		
		For Elevated Installation >40', Add	8.43		
		For Work In Restricted Working Space, Add	4.60		
26 05 33 13-1347	EA	1-1/2" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	77.71	9.06	
		For Elevated Installation >10' To 15', Add	1.81		
		For Elevated Installation >15' To 20', Add	3.63		
		For Elevated Installation >20' To 25', Add	4.53		
		For Elevated Installation >25' To 30', Add	6.35		
		For Elevated Installation >30' To 35', Add	7.25		
		For Elevated Installation >35' To 40', Add	9.07		
		For Elevated Installation >40', Add	9.97		
		For Work In Restricted Working Space, Add	5.44		
26 05 33 13-1348	EA	1-1/2" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	88.37	9.06	
		For Elevated Installation >10' To 15', Add	1.81		
		For Elevated Installation >15' To 20', Add	3.63		
		For Elevated Installation >20' To 25', Add	4.53		
		For Elevated Installation >25' To 30', Add	6.35		
		For Elevated Installation >30' To 35', Add	7.25		
		For Elevated Installation >35' To 40', Add	9.07		
		For Elevated Installation >40', Add	9.97		
		For Work In Restricted Working Space, Add	5.44		
26 05 33 13-1349	EA	1-1/2" x 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	136.33	9.06	
		For Elevated Installation >10' To 15', Add	1.81		
		For Elevated Installation >15' To 20', Add	3.63		
		For Elevated Installation >20' To 25', Add	4.53		
		For Elevated Installation >25' To 30', Add	6.35		
		For Elevated Installation >30' To 35', Add	7.25		
		For Elevated Installation >35' To 40', Add	9.07		
		For Elevated Installation >40', Add	9.97		
		For Work In Restricted Working Space, Add	5.44		
26 05 33 13-1350	EA	2" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	151.57	10.46	
		For Elevated Installation >10' To 15', Add	2.09		
		For Elevated Installation >15' To 20', Add	4.18		
		For Elevated Installation >20' To 25', Add	5.23		
		For Elevated Installation >25' To 30', Add	7.32		
		For Elevated Installation >30' To 35', Add	8.36		
		For Elevated Installation >35' To 40', Add	10.46		
		For Elevated Installation >40', Add	11.50		
		For Work In Restricted Working Space, Add	6.27		
26 05 33 13-1351	EA	2" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	147.43	10.46	
		For Elevated Installation >10' To 15', Add	2.09		
		For Elevated Installation >15' To 20', Add	4.18		
		For Elevated Installation >20' To 25', Add	5.23		
		For Elevated Installation >25' To 30', Add	7.32		
		For Elevated Installation >30' To 35', Add	8.36		
		For Elevated Installation >35' To 40', Add	10.46		
		For Elevated Installation >40', Add	11.50		
		For Work In Restricted Working Space, Add	6.27		
26 05 33 13-1352	EA	2" x 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	155.12	10.46	
		For Elevated Installation >10' To 15', Add	2.09		
		For Elevated Installation >15' To 20', Add	4.18		
		For Elevated Installation >20' To 25', Add	5.23		
		For Elevated Installation >25' To 30', Add	7.32		
		For Elevated Installation >30' To 35', Add	8.36		
		For Elevated Installation >35' To 40', Add	10.46		
		For Elevated Installation >40', Add	11.50		
		For Work In Restricted Working Space, Add	6.27		
26 05 33 13-1353	EA	2" x 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	174.47	10.46	
		For Elevated Installation >10' To 15', Add	2.09		
		For Elevated Installation >15' To 20', Add	4.18		
		For Elevated Installation >20' To 25', Add	5.23		
		For Elevated Installation >25' To 30', Add	7.32		
		For Elevated Installation >30' To 35', Add	8.36		
		For Elevated Installation >35' To 40', Add	10.46		
		For Elevated Installation >40', Add	11.50		
		For Work In Restricted Working Space, Add	6.27		
26 05 33 13-1354	EA	2-1/2" x 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	173.44	12.54	
		For Elevated Installation >10' To 15', Add	2.51		
		For Elevated Installation >15' To 20', Add	5.02		
		For Elevated Installation >20' To 25', Add	6.27		
		For Elevated Installation >25' To 30', Add	8.78		
		For Elevated Installation >30' To 35', Add	10.04		
		For Elevated Installation >35' To 40', Add	12.55		
		For Elevated Installation >40', Add	13.80		
		For Work In Restricted Working Space, Add	7.53		
26 05 33 13-1355	EA	3" x 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	221.28	17.43	
		For Elevated Installation >10' To 15', Add	3.49		
		For Elevated Installation >15' To 20', Add	6.97		
		For Elevated Installation >20' To 25', Add	8.71		
		For Elevated Installation >25' To 30', Add	12.20		
		For Elevated Installation >30' To 35', Add	13.94		
		For Elevated Installation >35' To 40', Add	17.43		
		For Elevated Installation >40', Add	19.17		
		For Work In Restricted Working Space, Add	10.46		

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-1356	EA	3-1/2" x 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	325.38	20.21
		For Elevated Installation >10' To 15', Add	4.04	
		For Elevated Installation >15' To 20', Add	8.09	
		For Elevated Installation >20' To 25', Add	10.11	
		For Elevated Installation >25' To 30', Add	14.15	
		For Elevated Installation >30' To 35', Add	16.17	
		For Elevated Installation >35' To 40', Add	20.22	
		For Elevated Installation >40', Add	22.24	
		For Work In Restricted Working Space, Add	12.13	
26 05 33 13-1357	EA	4" x 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	435.41	27.88
		For Elevated Installation >10' To 15', Add	5.58	
		For Elevated Installation >15' To 20', Add	11.15	
		For Elevated Installation >20' To 25', Add	13.94	
		For Elevated Installation >25' To 30', Add	19.52	
		For Elevated Installation >30' To 35', Add	22.31	
		For Elevated Installation >35' To 40', Add	27.89	
		For Elevated Installation >40', Add	30.67	
		For Work In Restricted Working Space, Add	16.73	
26 05 33 13-1358	EA	5" x 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	544.75	38.33
		For Elevated Installation >10' To 15', Add	7.67	
		For Elevated Installation >15' To 20', Add	15.33	
		For Elevated Installation >20' To 25', Add	19.17	
		For Elevated Installation >25' To 30', Add	26.83	
		For Elevated Installation >30' To 35', Add	30.67	
		For Elevated Installation >35' To 40', Add	38.34	
		For Elevated Installation >40', Add	42.17	
		For Work In Restricted Working Space, Add	23.00	

26 05 33 13-1359 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Nipples

(26 05 33 13-0848)

26 05 33 13-1360	EA	1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	35.30	8.36
		For Elevated Installation >10' To 15', Add	1.67	
		For Elevated Installation >15' To 20', Add	3.34	
		For Elevated Installation >20' To 25', Add	4.18	
		For Elevated Installation >25' To 30', Add	5.85	
		For Elevated Installation >30' To 35', Add	6.69	
		For Elevated Installation >35' To 40', Add	8.36	
		For Elevated Installation >40', Add	9.20	
		For Work In Restricted Working Space, Add	5.02	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.02	
26 05 33 13-1361	EA	3/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	39.85	10.46
		For Elevated Installation >10' To 15', Add	2.09	
		For Elevated Installation >15' To 20', Add	4.18	
		For Elevated Installation >20' To 25', Add	5.23	
		For Elevated Installation >25' To 30', Add	7.32	
		For Elevated Installation >30' To 35', Add	8.36	
		For Elevated Installation >35' To 40', Add	10.46	
		For Elevated Installation >40', Add	11.50	
		For Work In Restricted Working Space, Add	6.27	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.27	
26 05 33 13-1362	EA	1" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	46.47	13.24
		For Elevated Installation >10' To 15', Add	2.65	
		For Elevated Installation >15' To 20', Add	5.30	
		For Elevated Installation >20' To 25', Add	6.62	
		For Elevated Installation >25' To 30', Add	9.27	
		For Elevated Installation >30' To 35', Add	10.60	
		For Elevated Installation >35' To 40', Add	13.25	
		For Elevated Installation >40', Add	14.57	
		For Work In Restricted Working Space, Add	7.95	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.95	
26 05 33 13-1363	EA	1-1/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	55.24	15.33
		For Elevated Installation >10' To 15', Add	3.07	
		For Elevated Installation >15' To 20', Add	6.13	
		For Elevated Installation >20' To 25', Add	7.67	
		For Elevated Installation >25' To 30', Add	10.73	
		For Elevated Installation >30' To 35', Add	12.27	
		For Elevated Installation >35' To 40', Add	15.34	
		For Elevated Installation >40', Add	16.87	
		For Work In Restricted Working Space, Add	9.20	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.20	
26 05 33 13-1364	EA	1-1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	60.23	17.43
		For Elevated Installation >10' To 15', Add	3.49	
		For Elevated Installation >15' To 20', Add	6.97	
		For Elevated Installation >20' To 25', Add	8.71	
		For Elevated Installation >25' To 30', Add	12.20	
		For Elevated Installation >30' To 35', Add	13.94	
		For Elevated Installation >35' To 40', Add	17.43	
		For Elevated Installation >40', Add	19.17	
		For Work In Restricted Working Space, Add	10.46	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.46	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1365	EA	1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	39.09	9.06	
		For Elevated Installation >10' To 15', Add	1.81		
		For Elevated Installation >15' To 20', Add	3.62		
		For Elevated Installation >20' To 25', Add	4.53		
		For Elevated Installation >25' To 30', Add	6.34		
		For Elevated Installation >30' To 35', Add	7.25		
		For Elevated Installation >35' To 40', Add	9.06		
		For Elevated Installation >40', Add	9.97		
		For Work In Restricted Working Space, Add	5.44		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.44		
26 05 33 13-1366	EA	3/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	42.39	10.46	
		For Elevated Installation >10' To 15', Add	2.09		
		For Elevated Installation >15' To 20', Add	4.18		
		For Elevated Installation >20' To 25', Add	5.23		
		For Elevated Installation >25' To 30', Add	7.32		
		For Elevated Installation >30' To 35', Add	8.36		
		For Elevated Installation >35' To 40', Add	10.46		
		For Elevated Installation >40', Add	11.50		
		For Work In Restricted Working Space, Add	6.27		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.27		
26 05 33 13-1367	EA	1" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	49.03	13.24	
		For Elevated Installation >10' To 15', Add	2.65		
		For Elevated Installation >15' To 20', Add	5.30		
		For Elevated Installation >20' To 25', Add	6.62		
		For Elevated Installation >25' To 30', Add	9.27		
		For Elevated Installation >30' To 35', Add	10.60		
		For Elevated Installation >35' To 40', Add	13.25		
		For Elevated Installation >40', Add	14.57		
		For Work In Restricted Working Space, Add	7.95		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.95		
26 05 33 13-1368	EA	1-1/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	57.96	15.33	
		For Elevated Installation >10' To 15', Add	3.07		
		For Elevated Installation >15' To 20', Add	6.13		
		For Elevated Installation >20' To 25', Add	7.67		
		For Elevated Installation >25' To 30', Add	10.73		
		For Elevated Installation >30' To 35', Add	12.27		
		For Elevated Installation >35' To 40', Add	15.34		
		For Elevated Installation >40', Add	16.87		
		For Work In Restricted Working Space, Add	9.20		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.20		
26 05 33 13-1369	EA	1-1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	63.15	17.43	
		For Elevated Installation >10' To 15', Add	3.49		
		For Elevated Installation >15' To 20', Add	6.97		
		For Elevated Installation >20' To 25', Add	8.71		
		For Elevated Installation >25' To 30', Add	12.20		
		For Elevated Installation >30' To 35', Add	13.94		
		For Elevated Installation >35' To 40', Add	17.43		
		For Elevated Installation >40', Add	19.17		
		For Work In Restricted Working Space, Add	10.46		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.46		
26 05 33 13-1370	EA	2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	68.60	19.51	
		For Elevated Installation >10' To 15', Add	3.90		
		For Elevated Installation >15' To 20', Add	7.81		
		For Elevated Installation >20' To 25', Add	9.76		
		For Elevated Installation >25' To 30', Add	13.66		
		For Elevated Installation >30' To 35', Add	15.61		
		For Elevated Installation >35' To 40', Add	19.52		
		For Elevated Installation >40', Add	21.47		
		For Work In Restricted Working Space, Add	11.71		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.71		
26 05 33 13-1371	EA	1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	39.27	9.06	
		For Elevated Installation >10' To 15', Add	1.81		
		For Elevated Installation >15' To 20', Add	3.62		
		For Elevated Installation >20' To 25', Add	4.53		
		For Elevated Installation >25' To 30', Add	6.34		
		For Elevated Installation >30' To 35', Add	7.25		
		For Elevated Installation >35' To 40', Add	9.06		
		For Elevated Installation >40', Add	9.97		
		For Work In Restricted Working Space, Add	5.44		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.44		
26 05 33 13-1372	EA	3/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	42.55	10.46	
		For Elevated Installation >10' To 15', Add	2.09		
		For Elevated Installation >15' To 20', Add	4.18		
		For Elevated Installation >20' To 25', Add	5.23		
		For Elevated Installation >25' To 30', Add	7.32		
		For Elevated Installation >30' To 35', Add	8.36		
		For Elevated Installation >35' To 40', Add	10.45		
		For Elevated Installation >40', Add	11.50		
		For Work In Restricted Working Space, Add	6.27		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.27		
26 05 33 13-1373	EA	1" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	49.35	13.24	
		For Elevated Installation >10' To 15', Add	2.65		
		For Elevated Installation >15' To 20', Add	5.30		
		For Elevated Installation >20' To 25', Add	6.62		
		For Elevated Installation >25' To 30', Add	9.27		
		For Elevated Installation >30' To 35', Add	10.59		
		For Elevated Installation >35' To 40', Add	13.24		
		For Elevated Installation >40', Add	14.56		
		For Work In Restricted Working Space, Add	7.94		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.94		

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 05 33 13-1374	EA 1-1/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	58.31		15.33
	For Elevated Installation >10' To 15', Add	3.07		
	For Elevated Installation >15' To 20', Add	6.13		
	For Elevated Installation >20' To 25', Add	7.67		
	For Elevated Installation >25' To 30', Add	10.73		
	For Elevated Installation >30' To 35', Add	12.27		
	For Elevated Installation >35' To 40', Add	15.34		
	For Elevated Installation >40', Add	16.87		
	For Work In Restricted Working Space, Add	9.20		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.20		
26 05 33 13-1375	EA 1-1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	63.51		17.43
	For Elevated Installation >10' To 15', Add	3.49		
	For Elevated Installation >15' To 20', Add	6.97		
	For Elevated Installation >20' To 25', Add	8.71		
	For Elevated Installation >25' To 30', Add	12.20		
	For Elevated Installation >30' To 35', Add	13.94		
	For Elevated Installation >35' To 40', Add	17.43		
	For Elevated Installation >40', Add	19.17		
	For Work In Restricted Working Space, Add	10.46		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.46		
26 05 33 13-1376	EA 2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	69.52		19.51
	For Elevated Installation >10' To 15', Add	3.90		
	For Elevated Installation >15' To 20', Add	7.81		
	For Elevated Installation >20' To 25', Add	9.76		
	For Elevated Installation >25' To 30', Add	13.66		
	For Elevated Installation >30' To 35', Add	15.61		
	For Elevated Installation >35' To 40', Add	19.52		
	For Elevated Installation >40', Add	21.47		
	For Work In Restricted Working Space, Add	11.71		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.71		
26 05 33 13-1377	EA 1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	41.68		9.06
	For Elevated Installation >10' To 15', Add	1.81		
	For Elevated Installation >15' To 20', Add	3.62		
	For Elevated Installation >20' To 25', Add	4.53		
	For Elevated Installation >25' To 30', Add	6.34		
	For Elevated Installation >30' To 35', Add	7.25		
	For Elevated Installation >35' To 40', Add	9.06		
	For Elevated Installation >40', Add	9.97		
	For Work In Restricted Working Space, Add	5.44		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.44		
26 05 33 13-1378	EA 3/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	44.97		10.46
	For Elevated Installation >10' To 15', Add	2.09		
	For Elevated Installation >15' To 20', Add	4.18		
	For Elevated Installation >20' To 25', Add	5.23		
	For Elevated Installation >25' To 30', Add	7.32		
	For Elevated Installation >30' To 35', Add	8.36		
	For Elevated Installation >35' To 40', Add	10.45		
	For Elevated Installation >40', Add	11.50		
	For Work In Restricted Working Space, Add	6.27		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.27		
26 05 33 13-1379	EA 1" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	51.94		13.24
	For Elevated Installation >10' To 15', Add	2.65		
	For Elevated Installation >15' To 20', Add	5.30		
	For Elevated Installation >20' To 25', Add	6.62		
	For Elevated Installation >25' To 30', Add	9.27		
	For Elevated Installation >30' To 35', Add	10.59		
	For Elevated Installation >35' To 40', Add	13.24		
	For Elevated Installation >40', Add	14.56		
	For Work In Restricted Working Space, Add	7.94		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.94		
26 05 33 13-1380	EA 1-1/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	59.79		15.33
	For Elevated Installation >10' To 15', Add	3.07		
	For Elevated Installation >15' To 20', Add	6.13		
	For Elevated Installation >20' To 25', Add	7.67		
	For Elevated Installation >25' To 30', Add	10.73		
	For Elevated Installation >30' To 35', Add	12.27		
	For Elevated Installation >35' To 40', Add	15.34		
	For Elevated Installation >40', Add	16.87		
	For Work In Restricted Working Space, Add	9.20		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.20		
26 05 33 13-1381	EA 1-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	65.13		17.43
	For Elevated Installation >10' To 15', Add	3.49		
	For Elevated Installation >15' To 20', Add	6.97		
	For Elevated Installation >20' To 25', Add	8.71		
	For Elevated Installation >25' To 30', Add	12.20		
	For Elevated Installation >30' To 35', Add	13.94		
	For Elevated Installation >35' To 40', Add	17.43		
	For Elevated Installation >40', Add	19.17		
	For Work In Restricted Working Space, Add	10.46		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.46		
26 05 33 13-1382	EA 2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	72.36		19.51
	For Elevated Installation >10' To 15', Add	3.90		
	For Elevated Installation >15' To 20', Add	7.81		
	For Elevated Installation >20' To 25', Add	9.76		
	For Elevated Installation >25' To 30', Add	13.66		
	For Elevated Installation >30' To 35', Add	15.61		
	For Elevated Installation >35' To 40', Add	19.52		
	For Elevated Installation >40', Add	21.47		
	For Work In Restricted Working Space, Add	11.71		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.71		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
26 05 33 13-1383	EA	2-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	100.29	23.70	
		For Elevated Installation >10' To 15', Add	4.74		
		For Elevated Installation >15' To 20', Add	9.48		
		For Elevated Installation >20' To 25', Add	11.85		
		For Elevated Installation >25' To 30', Add	16.59		
		For Elevated Installation >30' To 35', Add	18.96		
		For Elevated Installation >35' To 40', Add	23.70		
		For Elevated Installation >40', Add	26.06		
		For Work In Restricted Working Space, Add	14.22		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.22		
26 05 33 13-1384	EA	3" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	130.24	32.76	
		For Elevated Installation >10' To 15', Add	6.55		
		For Elevated Installation >15' To 20', Add	13.10		
		For Elevated Installation >20' To 25', Add	16.38		
		For Elevated Installation >25' To 30', Add	22.93		
		For Elevated Installation >30' To 35', Add	26.20		
		For Elevated Installation >35' To 40', Add	32.76		
		For Elevated Installation >40', Add	36.03		
		For Work In Restricted Working Space, Add	19.65		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.65		
26 05 33 13-1385	EA	1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	41.86	9.06	
		For Elevated Installation >10' To 15', Add	1.81		
		For Elevated Installation >15' To 20', Add	3.62		
		For Elevated Installation >20' To 25', Add	4.53		
		For Elevated Installation >25' To 30', Add	6.34		
		For Elevated Installation >30' To 35', Add	7.25		
		For Elevated Installation >35' To 40', Add	9.06		
		For Elevated Installation >40', Add	9.97		
		For Work In Restricted Working Space, Add	5.44		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.44		
26 05 33 13-1386	EA	3/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	45.30	10.46	
		For Elevated Installation >10' To 15', Add	2.09		
		For Elevated Installation >15' To 20', Add	4.18		
		For Elevated Installation >20' To 25', Add	5.23		
		For Elevated Installation >25' To 30', Add	7.32		
		For Elevated Installation >30' To 35', Add	8.36		
		For Elevated Installation >35' To 40', Add	10.45		
		For Elevated Installation >40', Add	11.50		
		For Work In Restricted Working Space, Add	6.27		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.27		
26 05 33 13-1387	EA	1" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	52.30	13.24	
		For Elevated Installation >10' To 15', Add	2.65		
		For Elevated Installation >15' To 20', Add	5.30		
		For Elevated Installation >20' To 25', Add	6.62		
		For Elevated Installation >25' To 30', Add	9.27		
		For Elevated Installation >30' To 35', Add	10.59		
		For Elevated Installation >35' To 40', Add	13.24		
		For Elevated Installation >40', Add	14.56		
		For Work In Restricted Working Space, Add	7.94		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.94		
26 05 33 13-1388	EA	1-1/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	61.26	15.33	
		For Elevated Installation >10' To 15', Add	3.07		
		For Elevated Installation >15' To 20', Add	6.13		
		For Elevated Installation >20' To 25', Add	7.67		
		For Elevated Installation >25' To 30', Add	10.73		
		For Elevated Installation >30' To 35', Add	12.27		
		For Elevated Installation >35' To 40', Add	15.34		
		For Elevated Installation >40', Add	16.87		
		For Work In Restricted Working Space, Add	9.20		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.20		
26 05 33 13-1389	EA	1-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	66.76	17.43	
		For Elevated Installation >10' To 15', Add	3.49		
		For Elevated Installation >15' To 20', Add	6.97		
		For Elevated Installation >20' To 25', Add	8.71		
		For Elevated Installation >25' To 30', Add	12.20		
		For Elevated Installation >30' To 35', Add	13.94		
		For Elevated Installation >35' To 40', Add	17.43		
		For Elevated Installation >40', Add	19.17		
		For Work In Restricted Working Space, Add	10.46		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.46		
26 05 33 13-1390	EA	2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	75.20	19.51	
		For Elevated Installation >10' To 15', Add	3.90		
		For Elevated Installation >15' To 20', Add	7.81		
		For Elevated Installation >20' To 25', Add	9.76		
		For Elevated Installation >25' To 30', Add	13.66		
		For Elevated Installation >30' To 35', Add	15.61		
		For Elevated Installation >35' To 40', Add	19.52		
		For Elevated Installation >40', Add	21.47		
		For Work In Restricted Working Space, Add	11.71		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.71		
26 05 33 13-1391	EA	2-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	102.81	23.70	
		For Elevated Installation >10' To 15', Add	4.74		
		For Elevated Installation >15' To 20', Add	9.48		
		For Elevated Installation >20' To 25', Add	11.85		
		For Elevated Installation >25' To 30', Add	16.59		
		For Elevated Installation >30' To 35', Add	18.96		
		For Elevated Installation >35' To 40', Add	23.70		
		For Elevated Installation >40', Add	26.06		
		For Work In Restricted Working Space, Add	14.22		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.22		

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 05 33 13-1392	EA 3" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	135.65		32.76
	For Elevated Installation >10' To 15', Add	6.55		
	For Elevated Installation >15' To 20', Add	13.10		
	For Elevated Installation >20' To 25', Add	16.38		
	For Elevated Installation >25' To 30', Add	22.93		
	For Elevated Installation >30' To 35', Add	26.20		
	For Elevated Installation >35' To 40', Add	32.76		
	For Elevated Installation >40', Add	36.03		
	For Work In Restricted Working Space, Add	19.65		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.65		
26 05 33 13-1393	EA 3-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	161.35		36.94
	For Elevated Installation >10' To 15', Add	7.39		
	For Elevated Installation >15' To 20', Add	14.77		
	For Elevated Installation >20' To 25', Add	18.47		
	For Elevated Installation >25' To 30', Add	25.85		
	For Elevated Installation >30' To 35', Add	29.55		
	For Elevated Installation >35' To 40', Add	36.94		
	For Elevated Installation >40', Add	40.63		
	For Work In Restricted Working Space, Add	22.16		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.16		
26 05 33 13-1394	EA 4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	189.78		48.10
	For Elevated Installation >10' To 15', Add	9.62		
	For Elevated Installation >15' To 20', Add	19.24		
	For Elevated Installation >20' To 25', Add	24.05		
	For Elevated Installation >25' To 30', Add	33.66		
	For Elevated Installation >30' To 35', Add	38.47		
	For Elevated Installation >35' To 40', Add	48.09		
	For Elevated Installation >40', Add	52.90		
	For Work In Restricted Working Space, Add	28.85		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.85		
26 05 33 13-1395	EA 1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	42.19		9.06
	For Elevated Installation >10' To 15', Add	1.81		
	For Elevated Installation >15' To 20', Add	3.62		
	For Elevated Installation >20' To 25', Add	4.53		
	For Elevated Installation >25' To 30', Add	6.34		
	For Elevated Installation >30' To 35', Add	7.25		
	For Elevated Installation >35' To 40', Add	9.06		
	For Elevated Installation >40', Add	9.97		
	For Work In Restricted Working Space, Add	5.44		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.44		
26 05 33 13-1396	EA 3/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	45.65		10.46
	For Elevated Installation >10' To 15', Add	2.09		
	For Elevated Installation >15' To 20', Add	4.18		
	For Elevated Installation >20' To 25', Add	5.23		
	For Elevated Installation >25' To 30', Add	7.32		
	For Elevated Installation >30' To 35', Add	8.36		
	For Elevated Installation >35' To 40', Add	10.45		
	For Elevated Installation >40', Add	11.50		
	For Work In Restricted Working Space, Add	6.27		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.27		
26 05 33 13-1397	EA 1" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	52.68		13.24
	For Elevated Installation >10' To 15', Add	2.65		
	For Elevated Installation >15' To 20', Add	5.30		
	For Elevated Installation >20' To 25', Add	6.62		
	For Elevated Installation >25' To 30', Add	9.27		
	For Elevated Installation >30' To 35', Add	10.59		
	For Elevated Installation >35' To 40', Add	13.24		
	For Elevated Installation >40', Add	14.56		
	For Work In Restricted Working Space, Add	7.94		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.94		
26 05 33 13-1398	EA 1-1/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	61.94		15.33
	For Elevated Installation >10' To 15', Add	3.07		
	For Elevated Installation >15' To 20', Add	6.13		
	For Elevated Installation >20' To 25', Add	7.67		
	For Elevated Installation >25' To 30', Add	10.73		
	For Elevated Installation >30' To 35', Add	12.27		
	For Elevated Installation >35' To 40', Add	15.34		
	For Elevated Installation >40', Add	16.87		
	For Work In Restricted Working Space, Add	9.20		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.20		
26 05 33 13-1399	EA 1-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	67.47		17.43
	For Elevated Installation >10' To 15', Add	3.49		
	For Elevated Installation >15' To 20', Add	6.97		
	For Elevated Installation >20' To 25', Add	8.71		
	For Elevated Installation >25' To 30', Add	12.20		
	For Elevated Installation >30' To 35', Add	13.94		
	For Elevated Installation >35' To 40', Add	17.43		
	For Elevated Installation >40', Add	19.17		
	For Work In Restricted Working Space, Add	10.46		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.46		
26 05 33 13-1400	EA 2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	76.75		19.51
	For Elevated Installation >10' To 15', Add	3.90		
	For Elevated Installation >15' To 20', Add	7.81		
	For Elevated Installation >20' To 25', Add	9.76		
	For Elevated Installation >25' To 30', Add	13.66		
	For Elevated Installation >30' To 35', Add	15.61		
	For Elevated Installation >35' To 40', Add	19.52		
	For Elevated Installation >40', Add	21.47		
	For Work In Restricted Working Space, Add	11.71		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.71		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1401	EA	2-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	112.81	23.70	
		For Elevated Installation >10' To 15', Add	4.74		
		For Elevated Installation >15' To 20', Add	9.48		
		For Elevated Installation >20' To 25', Add	11.85		
		For Elevated Installation >25' To 30', Add	16.59		
		For Elevated Installation >30' To 35', Add	18.96		
		For Elevated Installation >35' To 40', Add	23.70		
		For Elevated Installation >40', Add	26.06		
		For Work In Restricted Working Space, Add	14.22		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.22		
26 05 33 13-1402	EA	3" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	143.75	32.76	
		For Elevated Installation >10' To 15', Add	6.55		
		For Elevated Installation >15' To 20', Add	13.10		
		For Elevated Installation >20' To 25', Add	16.38		
		For Elevated Installation >25' To 30', Add	22.93		
		For Elevated Installation >30' To 35', Add	26.20		
		For Elevated Installation >35' To 40', Add	32.76		
		For Elevated Installation >40', Add	36.03		
		For Work In Restricted Working Space, Add	19.65		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.65		
26 05 33 13-1403	EA	3-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	163.07	36.94	
		For Elevated Installation >10' To 15', Add	7.39		
		For Elevated Installation >15' To 20', Add	14.77		
		For Elevated Installation >20' To 25', Add	18.47		
		For Elevated Installation >25' To 30', Add	25.85		
		For Elevated Installation >30' To 35', Add	29.55		
		For Elevated Installation >35' To 40', Add	36.94		
		For Elevated Installation >40', Add	40.63		
		For Work In Restricted Working Space, Add	22.16		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.16		
26 05 33 13-1404	EA	4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	194.40	48.10	
		For Elevated Installation >10' To 15', Add	9.62		
		For Elevated Installation >15' To 20', Add	19.24		
		For Elevated Installation >20' To 25', Add	24.05		
		For Elevated Installation >25' To 30', Add	33.66		
		For Elevated Installation >30' To 35', Add	38.47		
		For Elevated Installation >35' To 40', Add	48.09		
		For Elevated Installation >40', Add	52.90		
		For Work In Restricted Working Space, Add	28.85		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.85		
26 05 33 13-1405	EA	5" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	285.19	66.21	
		For Elevated Installation >10' To 15', Add	13.24		
		For Elevated Installation >15' To 20', Add	26.48		
		For Elevated Installation >20' To 25', Add	33.11		
		For Elevated Installation >25' To 30', Add	46.35		
		For Elevated Installation >30' To 35', Add	52.97		
		For Elevated Installation >35' To 40', Add	66.21		
		For Elevated Installation >40', Add	72.83		
		For Work In Restricted Working Space, Add	39.73		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	39.73		
26 05 33 13-1406	EA	1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	42.82	9.06	
		For Elevated Installation >10' To 15', Add	1.81		
		For Elevated Installation >15' To 20', Add	3.62		
		For Elevated Installation >20' To 25', Add	4.53		
		For Elevated Installation >25' To 30', Add	6.34		
		For Elevated Installation >30' To 35', Add	7.25		
		For Elevated Installation >35' To 40', Add	9.06		
		For Elevated Installation >40', Add	9.97		
		For Work In Restricted Working Space, Add	5.44		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.44		
26 05 33 13-1407	EA	3/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	46.29	10.46	
		For Elevated Installation >10' To 15', Add	2.09		
		For Elevated Installation >15' To 20', Add	4.18		
		For Elevated Installation >20' To 25', Add	5.23		
		For Elevated Installation >25' To 30', Add	7.32		
		For Elevated Installation >30' To 35', Add	8.36		
		For Elevated Installation >35' To 40', Add	10.45		
		For Elevated Installation >40', Add	11.50		
		For Work In Restricted Working Space, Add	6.27		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.27		
26 05 33 13-1408	EA	1" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	53.36	13.24	
		For Elevated Installation >10' To 15', Add	2.65		
		For Elevated Installation >15' To 20', Add	5.30		
		For Elevated Installation >20' To 25', Add	6.62		
		For Elevated Installation >25' To 30', Add	9.27		
		For Elevated Installation >30' To 35', Add	10.59		
		For Elevated Installation >35' To 40', Add	13.24		
		For Elevated Installation >40', Add	14.56		
		For Work In Restricted Working Space, Add	7.94		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.94		
26 05 33 13-1409	EA	1-1/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	63.21	15.33	
		For Elevated Installation >10' To 15', Add	3.07		
		For Elevated Installation >15' To 20', Add	6.13		
		For Elevated Installation >20' To 25', Add	7.67		
		For Elevated Installation >25' To 30', Add	10.73		
		For Elevated Installation >30' To 35', Add	12.27		
		For Elevated Installation >35' To 40', Add	15.34		
		For Elevated Installation >40', Add	16.87		
		For Work In Restricted Working Space, Add	9.20		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.20		

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 05 33 13-1410	EA 1-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	68.99		17.43
	For Elevated Installation >10' To 15', Add	3.49		
	For Elevated Installation >15' To 20', Add	6.97		
	For Elevated Installation >20' To 25', Add	8.71		
	For Elevated Installation >25' To 30', Add	12.20		
	For Elevated Installation >30' To 35', Add	13.94		
	For Elevated Installation >35' To 40', Add	17.43		
	For Elevated Installation >40', Add	19.17		
	For Work In Restricted Working Space, Add	10.46		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.46		
26 05 33 13-1411	EA 2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	78.30		19.51
	For Elevated Installation >10' To 15', Add	3.90		
	For Elevated Installation >15' To 20', Add	7.81		
	For Elevated Installation >20' To 25', Add	9.76		
	For Elevated Installation >25' To 30', Add	13.66		
	For Elevated Installation >30' To 35', Add	15.61		
	For Elevated Installation >35' To 40', Add	19.52		
	For Elevated Installation >40', Add	21.47		
	For Work In Restricted Working Space, Add	11.71		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.71		
26 05 33 13-1412	EA 2-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	122.96		23.70
	For Elevated Installation >10' To 15', Add	4.74		
	For Elevated Installation >15' To 20', Add	9.48		
	For Elevated Installation >20' To 25', Add	11.85		
	For Elevated Installation >25' To 30', Add	16.59		
	For Elevated Installation >30' To 35', Add	18.96		
	For Elevated Installation >35' To 40', Add	23.70		
	For Elevated Installation >40', Add	26.06		
	For Work In Restricted Working Space, Add	14.22		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.22		
26 05 33 13-1413	EA 3" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	154.51		32.76
	For Elevated Installation >10' To 15', Add	6.55		
	For Elevated Installation >15' To 20', Add	13.10		
	For Elevated Installation >20' To 25', Add	16.38		
	For Elevated Installation >25' To 30', Add	22.93		
	For Elevated Installation >30' To 35', Add	26.20		
	For Elevated Installation >35' To 40', Add	32.76		
	For Elevated Installation >40', Add	36.03		
	For Work In Restricted Working Space, Add	19.65		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.65		
26 05 33 13-1414	EA 3-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	172.77		36.94
	For Elevated Installation >10' To 15', Add	7.39		
	For Elevated Installation >15' To 20', Add	14.77		
	For Elevated Installation >20' To 25', Add	18.47		
	For Elevated Installation >25' To 30', Add	25.85		
	For Elevated Installation >30' To 35', Add	29.55		
	For Elevated Installation >35' To 40', Add	36.94		
	For Elevated Installation >40', Add	40.63		
	For Work In Restricted Working Space, Add	22.16		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.16		
26 05 33 13-1415	EA 4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	210.74		48.10
	For Elevated Installation >10' To 15', Add	9.62		
	For Elevated Installation >15' To 20', Add	19.24		
	For Elevated Installation >20' To 25', Add	24.05		
	For Elevated Installation >25' To 30', Add	33.66		
	For Elevated Installation >30' To 35', Add	38.47		
	For Elevated Installation >35' To 40', Add	48.09		
	For Elevated Installation >40', Add	52.90		
	For Work In Restricted Working Space, Add	28.85		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.85		
26 05 33 13-1416	EA 5" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	309.64		66.21
	For Elevated Installation >10' To 15', Add	13.24		
	For Elevated Installation >15' To 20', Add	26.48		
	For Elevated Installation >20' To 25', Add	33.11		
	For Elevated Installation >25' To 30', Add	46.35		
	For Elevated Installation >30' To 35', Add	52.97		
	For Elevated Installation >35' To 40', Add	66.21		
	For Elevated Installation >40', Add	72.83		
	For Work In Restricted Working Space, Add	39.73		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	39.73		
26 05 33 13-1417	EA 1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	43.81		9.06
	For Elevated Installation >10' To 15', Add	1.81		
	For Elevated Installation >15' To 20', Add	3.62		
	For Elevated Installation >20' To 25', Add	4.53		
	For Elevated Installation >25' To 30', Add	6.34		
	For Elevated Installation >30' To 35', Add	7.25		
	For Elevated Installation >35' To 40', Add	9.06		
	For Elevated Installation >40', Add	9.97		
	For Work In Restricted Working Space, Add	5.44		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.44		
26 05 33 13-1418	EA 3/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	47.25		10.46
	For Elevated Installation >10' To 15', Add	2.09		
	For Elevated Installation >15' To 20', Add	4.18		
	For Elevated Installation >20' To 25', Add	5.23		
	For Elevated Installation >25' To 30', Add	7.32		
	For Elevated Installation >30' To 35', Add	8.36		
	For Elevated Installation >35' To 40', Add	10.45		
	For Elevated Installation >40', Add	11.50		
	For Work In Restricted Working Space, Add	6.27		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.27		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
26 05 33 13-1419	EA	1" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	.....	54.89	13.24
		For Elevated Installation >10' To 15', Add		2.65	
		For Elevated Installation >15' To 20', Add		5.30	
		For Elevated Installation >20' To 25', Add		6.62	
		For Elevated Installation >25' To 30', Add		9.27	
		For Elevated Installation >30' To 35', Add		10.59	
		For Elevated Installation >35' To 40', Add		13.24	
		For Elevated Installation >40', Add		14.56	
		For Work In Restricted Working Space, Add		7.94	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		7.94	
26 05 33 13-1420	EA	1-1/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	.....	63.54	15.33
		For Elevated Installation >10' To 15', Add		3.07	
		For Elevated Installation >15' To 20', Add		6.13	
		For Elevated Installation >20' To 25', Add		7.67	
		For Elevated Installation >25' To 30', Add		10.73	
		For Elevated Installation >30' To 35', Add		12.27	
		For Elevated Installation >35' To 40', Add		15.34	
		For Elevated Installation >40', Add		16.87	
		For Work In Restricted Working Space, Add		9.20	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		9.20	
26 05 33 13-1421	EA	1-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	.....	72.09	17.43
		For Elevated Installation >10' To 15', Add		3.49	
		For Elevated Installation >15' To 20', Add		6.97	
		For Elevated Installation >20' To 25', Add		8.71	
		For Elevated Installation >25' To 30', Add		12.20	
		For Elevated Installation >30' To 35', Add		13.94	
		For Elevated Installation >35' To 40', Add		17.43	
		For Elevated Installation >40', Add		19.17	
		For Work In Restricted Working Space, Add		10.46	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		10.46	
26 05 33 13-1422	EA	2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	.....	85.87	19.51
		For Elevated Installation >10' To 15', Add		3.90	
		For Elevated Installation >15' To 20', Add		7.81	
		For Elevated Installation >20' To 25', Add		9.76	
		For Elevated Installation >25' To 30', Add		13.66	
		For Elevated Installation >30' To 35', Add		15.61	
		For Elevated Installation >35' To 40', Add		19.52	
		For Elevated Installation >40', Add		21.47	
		For Work In Restricted Working Space, Add		11.71	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		11.71	
26 05 33 13-1423	EA	2-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	.....	135.45	23.70
		For Elevated Installation >10' To 15', Add		4.74	
		For Elevated Installation >15' To 20', Add		9.48	
		For Elevated Installation >20' To 25', Add		11.85	
		For Elevated Installation >25' To 30', Add		16.59	
		For Elevated Installation >30' To 35', Add		18.96	
		For Elevated Installation >35' To 40', Add		23.70	
		For Elevated Installation >40', Add		26.06	
		For Work In Restricted Working Space, Add		14.22	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		14.22	
26 05 33 13-1424	EA	3" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	.....	169.24	32.76
		For Elevated Installation >10' To 15', Add		6.55	
		For Elevated Installation >15' To 20', Add		13.10	
		For Elevated Installation >20' To 25', Add		16.38	
		For Elevated Installation >25' To 30', Add		22.93	
		For Elevated Installation >30' To 35', Add		26.20	
		For Elevated Installation >35' To 40', Add		32.76	
		For Elevated Installation >40', Add		36.03	
		For Work In Restricted Working Space, Add		19.65	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		19.65	
26 05 33 13-1425	EA	3-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	.....	197.04	36.94
		For Elevated Installation >10' To 15', Add		7.39	
		For Elevated Installation >15' To 20', Add		14.77	
		For Elevated Installation >20' To 25', Add		18.47	
		For Elevated Installation >25' To 30', Add		25.85	
		For Elevated Installation >30' To 35', Add		29.55	
		For Elevated Installation >35' To 40', Add		36.94	
		For Elevated Installation >40', Add		40.63	
		For Work In Restricted Working Space, Add		22.16	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		22.16	
26 05 33 13-1426	EA	4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	.....	235.29	48.10
		For Elevated Installation >10' To 15', Add		9.62	
		For Elevated Installation >15' To 20', Add		19.24	
		For Elevated Installation >20' To 25', Add		24.05	
		For Elevated Installation >25' To 30', Add		33.66	
		For Elevated Installation >30' To 35', Add		38.47	
		For Elevated Installation >35' To 40', Add		48.09	
		For Elevated Installation >40', Add		52.90	
		For Work In Restricted Working Space, Add		28.85	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		28.85	
26 05 33 13-1427	EA	5" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	.....	326.39	66.21
		For Elevated Installation >10' To 15', Add		13.24	
		For Elevated Installation >15' To 20', Add		26.48	
		For Elevated Installation >20' To 25', Add		33.11	
		For Elevated Installation >25' To 30', Add		46.35	
		For Elevated Installation >30' To 35', Add		52.97	
		For Elevated Installation >35' To 40', Add		66.21	
		For Elevated Installation >40', Add		72.83	
		For Work In Restricted Working Space, Add		39.73	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		39.73	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 05 33 13-1428	EA 1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	44.85		9.06
	For Elevated Installation >10' To 15', Add	1.81		
	For Elevated Installation >15' To 20', Add	3.62		
	For Elevated Installation >20' To 25', Add	4.53		
	For Elevated Installation >25' To 30', Add	6.34		
	For Elevated Installation >30' To 35', Add	7.25		
	For Elevated Installation >35' To 40', Add	9.06		
	For Elevated Installation >40', Add	9.97		
	For Work In Restricted Working Space, Add	5.44		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.44		
26 05 33 13-1429	EA 3/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	48.27		10.46
	For Elevated Installation >10' To 15', Add	2.09		
	For Elevated Installation >15' To 20', Add	4.18		
	For Elevated Installation >20' To 25', Add	5.23		
	For Elevated Installation >25' To 30', Add	7.32		
	For Elevated Installation >30' To 35', Add	8.36		
	For Elevated Installation >35' To 40', Add	10.45		
	For Elevated Installation >40', Add	11.50		
	For Work In Restricted Working Space, Add	6.27		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.27		
26 05 33 13-1430	EA 1" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	56.38		13.24
	For Elevated Installation >10' To 15', Add	2.65		
	For Elevated Installation >15' To 20', Add	5.30		
	For Elevated Installation >20' To 25', Add	6.62		
	For Elevated Installation >25' To 30', Add	9.27		
	For Elevated Installation >30' To 35', Add	10.59		
	For Elevated Installation >35' To 40', Add	13.24		
	For Elevated Installation >40', Add	14.56		
	For Work In Restricted Working Space, Add	7.94		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.94		
26 05 33 13-1431	EA 1-1/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	68.11		15.33
	For Elevated Installation >10' To 15', Add	3.07		
	For Elevated Installation >15' To 20', Add	6.13		
	For Elevated Installation >20' To 25', Add	7.67		
	For Elevated Installation >25' To 30', Add	10.73		
	For Elevated Installation >30' To 35', Add	12.27		
	For Elevated Installation >35' To 40', Add	15.34		
	For Elevated Installation >40', Add	16.87		
	For Work In Restricted Working Space, Add	9.20		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.20		
26 05 33 13-1432	EA 1-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	79.45		17.43
	For Elevated Installation >10' To 15', Add	3.49		
	For Elevated Installation >15' To 20', Add	6.97		
	For Elevated Installation >20' To 25', Add	8.71		
	For Elevated Installation >25' To 30', Add	12.20		
	For Elevated Installation >30' To 35', Add	13.94		
	For Elevated Installation >35' To 40', Add	17.43		
	For Elevated Installation >40', Add	19.17		
	For Work In Restricted Working Space, Add	10.46		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.46		
26 05 33 13-1433	EA 2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	96.99		19.51
	For Elevated Installation >10' To 15', Add	3.90		
	For Elevated Installation >15' To 20', Add	7.81		
	For Elevated Installation >20' To 25', Add	9.76		
	For Elevated Installation >25' To 30', Add	13.66		
	For Elevated Installation >30' To 35', Add	15.61		
	For Elevated Installation >35' To 40', Add	19.52		
	For Elevated Installation >40', Add	21.47		
	For Work In Restricted Working Space, Add	11.71		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.71		
26 05 33 13-1434	EA 2-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	148.65		23.70
	For Elevated Installation >10' To 15', Add	4.74		
	For Elevated Installation >15' To 20', Add	9.48		
	For Elevated Installation >20' To 25', Add	11.85		
	For Elevated Installation >25' To 30', Add	16.59		
	For Elevated Installation >30' To 35', Add	18.96		
	For Elevated Installation >35' To 40', Add	23.70		
	For Elevated Installation >40', Add	26.06		
	For Work In Restricted Working Space, Add	14.22		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.22		
26 05 33 13-1435	EA 3" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	188.10		32.76
	For Elevated Installation >10' To 15', Add	6.55		
	For Elevated Installation >15' To 20', Add	13.10		
	For Elevated Installation >20' To 25', Add	16.38		
	For Elevated Installation >25' To 30', Add	22.93		
	For Elevated Installation >30' To 35', Add	26.20		
	For Elevated Installation >35' To 40', Add	32.76		
	For Elevated Installation >40', Add	36.03		
	For Work In Restricted Working Space, Add	19.65		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.65		
26 05 33 13-1436	EA 3-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	222.53		36.94
	For Elevated Installation >10' To 15', Add	7.39		
	For Elevated Installation >15' To 20', Add	14.77		
	For Elevated Installation >20' To 25', Add	18.47		
	For Elevated Installation >25' To 30', Add	25.85		
	For Elevated Installation >30' To 35', Add	29.55		
	For Elevated Installation >35' To 40', Add	36.94		
	For Elevated Installation >40', Add	40.63		
	For Work In Restricted Working Space, Add	22.16		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.16		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1437	EA	4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	278.24	48.10	
		For Elevated Installation >10' To 15', Add	9.62		
		For Elevated Installation >15' To 20', Add	19.24		
		For Elevated Installation >20' To 25', Add	24.05		
		For Elevated Installation >25' To 30', Add	33.66		
		For Elevated Installation >30' To 35', Add	38.47		
		For Elevated Installation >35' To 40', Add	48.09		
		For Elevated Installation >40', Add	52.90		
		For Work In Restricted Working Space, Add	28.85		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.85		
26 05 33 13-1438	EA	5" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	359.82	66.21	
		For Elevated Installation >10' To 15', Add	13.24		
		For Elevated Installation >15' To 20', Add	26.48		
		For Elevated Installation >20' To 25', Add	33.11		
		For Elevated Installation >25' To 30', Add	46.35		
		For Elevated Installation >30' To 35', Add	52.97		
		For Elevated Installation >35' To 40', Add	66.21		
		For Elevated Installation >40', Add	72.83		
		For Work In Restricted Working Space, Add	39.73		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	39.73		
26 05 33 13-1439	EA	1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	45.92	9.06	
		For Elevated Installation >10' To 15', Add	1.81		
		For Elevated Installation >15' To 20', Add	3.62		
		For Elevated Installation >20' To 25', Add	4.53		
		For Elevated Installation >25' To 30', Add	6.34		
		For Elevated Installation >30' To 35', Add	7.25		
		For Elevated Installation >35' To 40', Add	9.06		
		For Elevated Installation >40', Add	9.97		
		For Work In Restricted Working Space, Add	5.44		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.44		
26 05 33 13-1440	EA	3/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	49.46	10.46	
		For Elevated Installation >10' To 15', Add	2.09		
		For Elevated Installation >15' To 20', Add	4.18		
		For Elevated Installation >20' To 25', Add	5.23		
		For Elevated Installation >25' To 30', Add	7.32		
		For Elevated Installation >30' To 35', Add	8.36		
		For Elevated Installation >35' To 40', Add	10.45		
		For Elevated Installation >40', Add	11.50		
		For Work In Restricted Working Space, Add	6.27		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.27		
26 05 33 13-1441	EA	1" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	60.19	13.24	
		For Elevated Installation >10' To 15', Add	2.65		
		For Elevated Installation >15' To 20', Add	5.30		
		For Elevated Installation >20' To 25', Add	6.62		
		For Elevated Installation >25' To 30', Add	9.27		
		For Elevated Installation >30' To 35', Add	10.59		
		For Elevated Installation >35' To 40', Add	13.24		
		For Elevated Installation >40', Add	14.56		
		For Work In Restricted Working Space, Add	7.94		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.94		
26 05 33 13-1442	EA	1-1/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	75.63	15.33	
		For Elevated Installation >10' To 15', Add	3.07		
		For Elevated Installation >15' To 20', Add	6.13		
		For Elevated Installation >20' To 25', Add	7.67		
		For Elevated Installation >25' To 30', Add	10.73		
		For Elevated Installation >30' To 35', Add	12.27		
		For Elevated Installation >35' To 40', Add	15.34		
		For Elevated Installation >40', Add	16.87		
		For Work In Restricted Working Space, Add	9.20		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.20		
26 05 33 13-1443	EA	1-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	88.36	17.43	
		For Elevated Installation >10' To 15', Add	3.49		
		For Elevated Installation >15' To 20', Add	6.97		
		For Elevated Installation >20' To 25', Add	8.71		
		For Elevated Installation >25' To 30', Add	12.20		
		For Elevated Installation >30' To 35', Add	13.94		
		For Elevated Installation >35' To 40', Add	17.43		
		For Elevated Installation >40', Add	19.17		
		For Work In Restricted Working Space, Add	10.46		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.46		
26 05 33 13-1444	EA	2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	105.92	19.51	
		For Elevated Installation >10' To 15', Add	3.90		
		For Elevated Installation >15' To 20', Add	7.81		
		For Elevated Installation >20' To 25', Add	9.76		
		For Elevated Installation >25' To 30', Add	13.66		
		For Elevated Installation >30' To 35', Add	15.61		
		For Elevated Installation >35' To 40', Add	19.52		
		For Elevated Installation >40', Add	21.47		
		For Work In Restricted Working Space, Add	11.71		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.71		
26 05 33 13-1445	EA	2-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	166.27	23.70	
		For Elevated Installation >10' To 15', Add	4.74		
		For Elevated Installation >15' To 20', Add	9.48		
		For Elevated Installation >20' To 25', Add	11.85		
		For Elevated Installation >25' To 30', Add	16.59		
		For Elevated Installation >30' To 35', Add	18.96		
		For Elevated Installation >35' To 40', Add	23.70		
		For Elevated Installation >40', Add	26.06		
		For Work In Restricted Working Space, Add	14.22		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.22		

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-1446	EA	3" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	216.38	32.76
		For Elevated Installation >10' To 15', Add	6.55	
		For Elevated Installation >15' To 20', Add	13.10	
		For Elevated Installation >20' To 25', Add	16.38	
		For Elevated Installation >25' To 30', Add	22.93	
		For Elevated Installation >30' To 35', Add	26.20	
		For Elevated Installation >35' To 40', Add	32.76	
		For Elevated Installation >40', Add	36.03	
		For Work In Restricted Working Space, Add	19.65	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.65	
26 05 33 13-1447	EA	3-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	238.17	36.94
		For Elevated Installation >10' To 15', Add	7.39	
		For Elevated Installation >15' To 20', Add	14.77	
		For Elevated Installation >20' To 25', Add	18.47	
		For Elevated Installation >25' To 30', Add	25.85	
		For Elevated Installation >30' To 35', Add	29.55	
		For Elevated Installation >35' To 40', Add	36.94	
		For Elevated Installation >40', Add	40.63	
		For Work In Restricted Working Space, Add	22.16	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.16	
26 05 33 13-1448	EA	4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	291.42	48.10
		For Elevated Installation >10' To 15', Add	9.62	
		For Elevated Installation >15' To 20', Add	19.24	
		For Elevated Installation >20' To 25', Add	24.05	
		For Elevated Installation >25' To 30', Add	33.66	
		For Elevated Installation >30' To 35', Add	38.47	
		For Elevated Installation >35' To 40', Add	48.09	
		For Elevated Installation >40', Add	52.90	
		For Work In Restricted Working Space, Add	28.85	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.85	
26 05 33 13-1449	EA	5" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	364.60	66.21
		For Elevated Installation >10' To 15', Add	13.24	
		For Elevated Installation >15' To 20', Add	26.48	
		For Elevated Installation >20' To 25', Add	33.11	
		For Elevated Installation >25' To 30', Add	46.35	
		For Elevated Installation >30' To 35', Add	52.97	
		For Elevated Installation >35' To 40', Add	66.21	
		For Elevated Installation >40', Add	72.83	
		For Work In Restricted Working Space, Add	39.73	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	39.73	

26 05 33 13-1450 Aluminum Rigid Conduit (ARC) (26 05 33 13-0059)
 Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.

26 05 33 13-1451 Aluminum Rigid Conduit (ARC) With Threaded Coupling (26 05 33 13-1450)
 Note: Includes field bending conduit up to and including 1". See CSI section 26 05 33 13-2319 for field bending >1".

26 05 33 13-1452	LF	1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	6.44	2.15
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.80	
		For Work In Restricted Working Space, Add	1.61	
26 05 33 13-1453	LF	3/4" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	7.34	2.36
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.89	
		For Work In Restricted Working Space, Add	1.77	
26 05 33 13-1454	LF	1" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	8.49	2.58
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.97	
		For Work In Restricted Working Space, Add	1.93	
26 05 33 13-1455	LF	1-1/4" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	9.65	2.79
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.05	
		For Work In Restricted Working Space, Add	2.09	
26 05 33 13-1456	LF	1-1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	10.84	3.00
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.13	
		For Work In Restricted Working Space, Add	2.25	
26 05 33 13-1457	LF	2" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	13.03	3.43
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.29	
		For Work In Restricted Working Space, Add	2.57	
26 05 33 13-1458	LF	2-1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	17.75	4.29
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.61	
		For Work In Restricted Working Space, Add	3.22	
26 05 33 13-1459	LF	3" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	22.10	5.14
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.93	
		For Work In Restricted Working Space, Add	3.86	
26 05 33 13-1460	LF	3-1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	27.17	6.44
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.41	
		For Work In Restricted Working Space, Add	4.82	
26 05 33 13-1461	LF	4" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	33.51	8.15
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	3.06	
		For Work In Restricted Working Space, Add	6.11	
26 05 33 13-1462	LF	5" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	44.54	10.30
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	3.86	
		For Work In Restricted Working Space, Add	7.72	
26 05 33 13-1463	LF	6" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	56.91	12.86
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	4.82	
		For Work In Restricted Working Space, Add	9.65	

26 05 33 13-1464 Aluminum 90 Degree Elbows (26 05 33 13-1450)

26 05 33 13-1465	EA	1" Aluminum 90 Degree Elbow	39.33	11.15
		For Work In Restricted Working Space, Add	8.36	
26 05 33 13-1466	EA	1-1/4" Aluminum 90 Degree Elbow	49.83	12.65
		For Work In Restricted Working Space, Add	9.49	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1467	EA	1-1/2" Aluminum 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	60.67 10.94	14.59
26 05 33 13-1468	EA	2" Aluminum 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	77.46 12.55	16.72
26 05 33 13-1469	EA	2-1/2" Aluminum 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	111.00 15.28	20.37
26 05 33 13-1470	EA	3" Aluminum 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	158.73 19.78	26.38
26 05 33 13-1471	EA	3-1/2" Aluminum 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	218.71 22.20	29.60
26 05 33 13-1472	EA	4" Aluminum 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	264.34 27.83	37.10
26 05 33 13-1473	EA	5" Aluminum 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	658.56 45.36	60.48
26 05 33 13-1474	EA	6" Aluminum 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	929.30 68.20	90.93
26 05 33 13-1475 Aluminum Bushing Set With Locknut (26 05 33 13-1450)				
26 05 33 13-1476	EA	1/2" Aluminum Bushing Set With Locknut..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.59 3.22 3.22	4.29
26 05 33 13-1477	EA	3/4" Aluminum Bushing Set With Locknut..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.45 4.18 4.18	5.57
26 05 33 13-1478	EA	1" Aluminum Bushing Set With Locknut..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.71 5.15 5.15	6.86
26 05 33 13-1479	EA	1-1/4" Aluminum Bushing Set With Locknut..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.93 5.79 5.79	7.72
26 05 33 13-1480	EA	1-1/2" Aluminum Bushing Set With Locknut..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.40 7.08 7.08	9.43
26 05 33 13-1481	EA	2" Aluminum Bushing Set With Locknut..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.74 8.52 8.52	11.37
26 05 33 13-1482	EA	2-1/2" Aluminum Bushing Set With Locknut..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.50 10.13 10.13	13.52
26 05 33 13-1483	EA	3" Aluminum Bushing Set With Locknut..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.62 11.58 11.58	15.44
26 05 33 13-1484	EA	3-1/2" Aluminum Bushing Set With Locknut..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.10 12.55 12.55	16.72
26 05 33 13-1485	EA	4" Aluminum Bushing Set With Locknut..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.18 13.51 13.51	18.02
26 05 33 13-1486	EA	5" Aluminum Bushing Set With Locknut..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	66.48 18.02 18.02	24.02
26 05 33 13-1487	EA	6" Aluminum Bushing Set With Locknut..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	98.90 27.02 27.02	36.03
26 05 33 13-1488 Schedule 40 Polyvinyl Chloride (PVC) Conduit (26 05 33 13-0059)				
Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.				
26 05 33 13-1489 Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings (26 05 33 13-1488)				
Note: Includes field bending conduit up to and including 1". See CSI section 26 05 33 13-2329 for field bending >1".				
26 05 33 13-1490	LF	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End..... <i>For Schedule 80, Add</i> <i>For Schedule 60, Add</i>	5.21 0.78 0.47	1.66
26 05 33 13-1491	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End..... <i>For Schedule 80, Add</i> <i>For Schedule 60, Add</i>	5.97 0.95 0.58	1.82
26 05 33 13-1492	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End..... <i>For Schedule 80, Add</i> <i>For Schedule 60, Add</i>	7.43 1.27 0.79	2.12
26 05 33 13-1493	LF	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End..... <i>For Schedule 80, Add</i> <i>For Schedule 60, Add</i>	8.89 1.59 1.01	2.43
26 05 33 13-1494	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End..... <i>For Schedule 80, Add</i> <i>For Schedule 60, Add</i>	10.45 1.89 1.19	2.83
26 05 33 13-1495	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End..... <i>For Schedule 80, Add</i> <i>For Schedule 60, Add</i>	12.53 2.36 1.51	3.25
26 05 33 13-1496	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End..... <i>For Schedule 80, Add</i> <i>For Schedule 60, Add</i>	16.71 3.44 2.25	3.85
26 05 33 13-1497	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End..... <i>For Schedule 80, Add</i> <i>For Schedule 60, Add</i>	19.58 4.07 2.67	4.46

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
26 05 33 13-1498	LF 3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	23.95		5.27	
	For Schedule 80, Add	5.09			
	For Schedule 60, Add	3.35			
26 05 33 13-1499	LF 4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	28.06		6.48	
	For Schedule 80, Add	5.77			
	For Schedule 60, Add	3.77			
26 05 33 13-1500	LF 5" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	40.06		9.12	
	For Schedule 80, Add	8.32			
	For Schedule 60, Add	5.46			
26 05 33 13-1501	LF 6" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	53.19		12.16	
	For Schedule 80, Add	11.02			
	For Schedule 60, Add	7.22			
26 05 33 13-1502 Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbows (26 05 33 13-1488)					
	See CSI section 26 05 33 13-2329 for conduit field bending.				
26 05 33 13-1503	EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow	21.81		8.10	
	See CSI section 26 05 33 13-2329 for conduit field bending.				
	For Schedule 80, Add	2.57			
	For Schedule 60, Add	1.40			
26 05 33 13-1504	EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow	24.14		8.92	
	See CSI section 26 05 33 13-2329 for conduit field bending.				
	For Schedule 80, Add	2.87			
	For Schedule 60, Add	1.58			
26 05 33 13-1505	EA 1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow	28.21		10.14	
	See CSI section 26 05 33 13-2329 for conduit field bending.				
	For Schedule 80, Add	3.54			
	For Schedule 60, Add	1.99			
26 05 33 13-1506	EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow	36.58		12.97	
	See CSI section 26 05 33 13-2329 for conduit field bending.				
	For Schedule 80, Add	4.70			
	For Schedule 60, Add	2.66			
26 05 33 13-1507	EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow	46.17		16.22	
	See CSI section 26 05 33 13-2329 for conduit field bending.				
	For Schedule 80, Add	6.02			
	For Schedule 60, Add	3.43			
26 05 33 13-1508	EA 2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow	58.45		20.27	
	See CSI section 26 05 33 13-2329 for conduit field bending.				
	For Schedule 80, Add	7.79			
	For Schedule 60, Add	4.48			
26 05 33 13-1509	EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow	74.59		24.32	
	See CSI section 26 05 33 13-2329 for conduit field bending.				
	For Schedule 80, Add	10.90			
	For Schedule 60, Add	6.49			
26 05 33 13-1510	EA 3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow	93.48		28.38	
	See CSI section 26 05 33 13-2329 for conduit field bending.				
	For Schedule 80, Add	14.98			
	For Schedule 60, Add	9.18			
26 05 33 13-1511	EA 3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow	117.48		34.46	
	See CSI section 26 05 33 13-2329 for conduit field bending.				
	For Schedule 80, Add	19.58			
	For Schedule 60, Add	12.14			
26 05 33 13-1512	EA 4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow	141.66		40.54	
	See CSI section 26 05 33 13-2329 for conduit field bending.				
	For Schedule 80, Add	24.25			
	For Schedule 60, Add	15.15			
26 05 33 13-1513	EA 5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow	197.72		50.67	
	See CSI section 26 05 33 13-2329 for conduit field bending.				
	For Schedule 80, Add	37.53			
	For Schedule 60, Add	24.09			
26 05 33 13-1514	EA 6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow	242.58		60.81	
	See CSI section 26 05 33 13-2329 for conduit field bending.				
	For Schedule 80, Add	46.90			
	For Schedule 60, Add	30.24			
26 05 33 13-1515 Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbows (26 05 33 13-1488)					
	See CSI section 26 05 33 13-2329 for conduit field bending.				
26 05 33 13-1516	EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow	21.81		8.10	
	See CSI section 26 05 33 13-2329 for conduit field bending.				
	For Schedule 80, Add	2.57			
	For Schedule 60, Add	1.40			
26 05 33 13-1517	EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow	24.03		8.92	
	See CSI section 26 05 33 13-2329 for conduit field bending.				
	For Schedule 80, Add	2.84			
	For Schedule 60, Add	1.55			
26 05 33 13-1518	EA 1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow	28.05		10.14	
	See CSI section 26 05 33 13-2329 for conduit field bending.				
	For Schedule 80, Add	3.49			
	For Schedule 60, Add	1.95			
26 05 33 13-1519	EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow	36.14		12.97	
	See CSI section 26 05 33 13-2329 for conduit field bending.				
	For Schedule 80, Add	4.54			
	For Schedule 60, Add	2.55			
26 05 33 13-1520	EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow	45.17		16.22	
	See CSI section 26 05 33 13-2329 for conduit field bending.				
	For Schedule 80, Add	5.67			
	For Schedule 60, Add	3.18			

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1521	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2329 for conduit field bending. <i>For Schedule 80, Add</i> <i>For Schedule 60, Add</i>	57.92 7.60 4.35	20.27
26 05 33 13-1522	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2329 for conduit field bending. <i>For Schedule 80, Add</i> <i>For Schedule 60, Add</i>	73.59 10.55 6.24	24.32
26 05 33 13-1523	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2329 for conduit field bending. <i>For Schedule 80, Add</i> <i>For Schedule 60, Add</i>	92.21 14.54 8.86	28.38
26 05 33 13-1524	EA	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2329 for conduit field bending. <i>For Schedule 80, Add</i> <i>For Schedule 60, Add</i>	113.91 18.33 11.25	34.46
26 05 33 13-1525	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2329 for conduit field bending. <i>For Schedule 80, Add</i> <i>For Schedule 60, Add</i>	138.59 23.17 14.38	40.54
26 05 33 13-1526	EA	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2329 for conduit field bending. <i>For Schedule 80, Add</i> <i>For Schedule 60, Add</i>	193.75 36.14 23.10	50.67
26 05 33 13-1527	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2329 for conduit field bending. <i>For Schedule 80, Add</i> <i>For Schedule 60, Add</i>	230.76 42.76 27.29	60.81
26 05 33 13-1528 Schedule 40 Polyvinyl Chloride (PVC) Conduit 18" Large Radius Elbow (26 05 33 13-1488)				
26 05 33 13-1529	EA	1" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow <i>For Schedule 80, Add</i>	83.69 16.05	26.49
26 05 33 13-1530	EA	1-1/4" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow <i>For Schedule 80, Add</i>	98.09 19.00	30.67
26 05 33 13-1531	EA	1-1/2" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow <i>For Schedule 80, Add</i>	111.05 21.44	34.85
26 05 33 13-1532	EA	2" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow <i>For Schedule 80, Add</i>	132.07 27.06	38.33
26 05 33 13-1533	EA	2-1/2" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow <i>For Schedule 80, Add</i>	173.72 36.76	48.10
26 05 33 13-1534	EA	3" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow <i>For Schedule 80, Add</i>	226.84 46.64	65.52
26 05 33 13-1535	EA	3-1/2" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow <i>For Schedule 80, Add</i>	273.36 58.73	73.88
26 05 33 13-1536	EA	4" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow <i>For Schedule 80, Add</i>	327.06 66.38	96.18
26 05 33 13-1537 Schedule 40 Polyvinyl Chloride (PVC) Conduit 24" Large Radius Elbow (26 05 33 13-1488)				
26 05 33 13-1538	EA	1" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow <i>For Schedule 80, Add</i>	89.33 18.02	26.49
26 05 33 13-1539	EA	1-1/4" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow <i>For Schedule 80, Add</i>	111.67 23.75	30.67
26 05 33 13-1540	EA	1-1/2" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow <i>For Schedule 80, Add</i>	130.48 28.24	34.85
26 05 33 13-1541	EA	2" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow <i>For Schedule 80, Add</i>	141.69 30.42	38.33
26 05 33 13-1542	EA	2-1/2" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow <i>For Schedule 80, Add</i>	203.37 47.13	48.10
26 05 33 13-1543	EA	3" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow <i>For Schedule 80, Add</i>	269.96 61.73	65.52
26 05 33 13-1544	EA	3-1/2" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow <i>For Schedule 80, Add</i>	299.91 68.03	73.88
26 05 33 13-1545	EA	4" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow <i>For Schedule 80, Add</i>	359.20 77.63	96.18
26 05 33 13-1546 Schedule 40 Polyvinyl Chloride (PVC) Conduit 30" Large Radius Elbow (26 05 33 13-1488)				
26 05 33 13-1547	EA	1" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow <i>For Schedule 80, Add</i>	104.54 23.35	26.49
26 05 33 13-1548	EA	1-1/4" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow <i>For Schedule 80, Add</i>	118.04 25.98	30.67
26 05 33 13-1549	EA	1-1/2" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow <i>For Schedule 80, Add</i>	134.22 29.55	34.85
26 05 33 13-1550	EA	2" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow <i>For Schedule 80, Add</i>	159.82 36.77	38.33
26 05 33 13-1551	EA	2-1/2" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow <i>For Schedule 80, Add</i>	214.42 51.00	48.10
26 05 33 13-1552	EA	3" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow <i>For Schedule 80, Add</i>	279.22 64.97	65.52
26 05 33 13-1553	EA	3-1/2" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow <i>For Schedule 80, Add</i>	335.24 80.39	73.88
26 05 33 13-1554	EA	4" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow <i>For Schedule 80, Add</i>	390.93 88.73	96.18

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-1555 Schedule 40 Polyvinyl Chloride (PVC) Conduit 36" Large Radius Elbow (26 05 33 13-1488)			
26 05 33 13-1556	EA 1" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	107.65	26.49
	<i>For Schedule 80, Add</i>	24.44	
26 05 33 13-1557	EA 1-1/4" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	136.89	30.67
	<i>For Schedule 80, Add</i>	32.58	
26 05 33 13-1558	EA 1-1/2" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	149.18	34.85
	<i>For Schedule 80, Add</i>	34.79	
26 05 33 13-1559	EA 2" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	160.50	38.33
	<i>For Schedule 80, Add</i>	37.01	
26 05 33 13-1560	EA 2-1/2" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	238.74	48.10
	<i>For Schedule 80, Add</i>	59.51	
26 05 33 13-1561	EA 3" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	333.74	65.52
	<i>For Schedule 80, Add</i>	84.05	
26 05 33 13-1562	EA 3-1/2" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	384.88	73.88
	<i>For Schedule 80, Add</i>	97.77	
26 05 33 13-1563	EA 4" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	449.72	96.18
	<i>For Schedule 80, Add</i>	109.31	
26 05 33 13-1564	EA 5" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	719.59	156.56
	<i>For Schedule 80, Add</i>	173.44	
26 05 33 13-1565	EA 6" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	1,053.45	235.91
	<i>For Schedule 80, Add</i>	250.92	
26 05 33 13-1566 Schedule 40 Polyvinyl Chloride (PVC) Conduit 48" Large Radius Elbow (26 05 33 13-1488)			
26 05 33 13-1567	EA 1" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	119.58	26.49
	<i>For Schedule 80, Add</i>	28.61	
26 05 33 13-1568	EA 1-1/4" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	140.09	30.67
	<i>For Schedule 80, Add</i>	33.70	
26 05 33 13-1569	EA 1-1/2" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	158.77	34.85
	<i>For Schedule 80, Add</i>	38.14	
26 05 33 13-1570	EA 2" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	193.65	38.33
	<i>For Schedule 80, Add</i>	48.61	
26 05 33 13-1571	EA 2-1/2" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	262.49	48.10
	<i>For Schedule 80, Add</i>	67.82	
26 05 33 13-1572	EA 3" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	372.73	65.52
	<i>For Schedule 80, Add</i>	97.70	
26 05 33 13-1573	EA 3-1/2" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	422.16	73.88
	<i>For Schedule 80, Add</i>	110.81	
26 05 33 13-1574	EA 4" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	514.43	96.18
	<i>For Schedule 80, Add</i>	131.96	
26 05 33 13-1575	EA 5" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	757.45	156.56
	<i>For Schedule 80, Add</i>	186.70	
26 05 33 13-1576	EA 6" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	1,084.10	235.91
	<i>For Schedule 80, Add</i>	261.64	
26 05 33 13-1577 Polyvinyl Chloride (PVC) Conduit Female Adapters (26 05 33 13-1488)			
26 05 33 13-1578	EA 1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter	14.90	5.68
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.26	
26 05 33 13-1579	EA 3/4" Polyvinyl Chloride (PVC) Conduit Female Adapter	17.18	6.48
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.87	
26 05 33 13-1580	EA 1" Polyvinyl Chloride (PVC) Conduit Female Adapter	19.56	7.29
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.47	
26 05 33 13-1581	EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Female Adapter	22.09	8.10
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.08	
26 05 33 13-1582	EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter	27.31	10.14
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.60	
26 05 33 13-1583	EA 2" Polyvinyl Chloride (PVC) Conduit Female Adapter	33.22	12.16
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.12	
26 05 33 13-1584	EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter	45.74	16.22
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.16	
26 05 33 13-1585	EA 3" Polyvinyl Chloride (PVC) Conduit Female Adapter	57.75	20.27
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.20	
26 05 33 13-1586	EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter	74.87	26.35
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.76	
26 05 33 13-1587	EA 4" Polyvinyl Chloride (PVC) Conduit Female Adapter	90.46	32.43
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.32	
26 05 33 13-1588	EA 5" Polyvinyl Chloride (PVC) Conduit Female Adapter	120.29	40.54
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.40	
26 05 33 13-1589	EA 6" Polyvinyl Chloride (PVC) Conduit Female Adapter	149.55	50.67
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.00	
26 05 33 13-1590 Polyvinyl Chloride (PVC) Conduit Bell Ends And Plug (26 05 33 13-1488)			
26 05 33 13-1591	EA 1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	17.93	4.87
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.65	
26 05 33 13-1592	EA 3/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	20.37	5.68
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.26	
26 05 33 13-1593	EA 1" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	22.85	6.48
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.87	
26 05 33 13-1594	EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	27.34	7.29
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.47	
26 05 33 13-1595	EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	30.48	8.10
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.08	
26 05 33 13-1596	EA 2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	36.73	9.33
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.99	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1597	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41.06 7.91	10.54
26 05 33 13-1598	EA	3" Polyvinyl Chloride (PVC) Conduit Bell End And Plug..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.41 9.12	12.16
26 05 33 13-1599	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.06 10.64	14.19
26 05 33 13-1600	EA	4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.54 12.16	16.22
26 05 33 13-1601	EA	5" Polyvinyl Chloride (PVC) Conduit Bell End And Plug..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	77.27 13.68	18.24
26 05 33 13-1602	EA	6" Polyvinyl Chloride (PVC) Conduit Bell End And Plug..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	86.99 15.20	20.27
26 05 33 13-1603 Polyvinyl Chloride (PVC) Conduit Terminal Adapters (26 05 33 13-1488)				
26 05 33 13-1604	EA	1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.18 4.68	
26 05 33 13-1605	EA	3/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.64 5.60	
26 05 33 13-1606	EA	1" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.91 6.23	
26 05 33 13-1607	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.65 6.93	
26 05 33 13-1608	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.06 7.60	10.14
26 05 33 13-1609	EA	2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.88 9.12	12.16
26 05 33 13-1610	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.06 12.16	16.22
26 05 33 13-1611	EA	3" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	56.80 15.20	20.27
26 05 33 13-1612	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	73.66 19.76	26.35
26 05 33 13-1613	EA	4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	89.22 24.32	32.43
26 05 33 13-1614	EA	5" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	117.85 30.40	40.54
26 05 33 13-1615	EA	6" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	146.62 38.00	50.67
26 05 33 13-1616 Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover (26 05 33 13-1488)				
26 05 33 13-1617	EA	1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.14 12.16	16.22
26 05 33 13-1618	EA	3/4" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	54.94 13.68	18.24
26 05 33 13-1619	EA	1" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	61.00 15.20	20.27
26 05 33 13-1620	EA	1-1/4" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	75.57 18.24	24.32
26 05 33 13-1621	EA	1-1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	93.28 22.80	30.40
26 05 33 13-1622	EA	2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	121.84 27.36	36.48
26 05 33 13-1623	EA	2-1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	216.28 30.40	40.54
26 05 33 13-1624	EA	3" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	230.43 33.44	44.59
26 05 33 13-1625	EA	3-1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	249.61 38.00	50.67
26 05 33 13-1626	EA	4" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	277.90 44.09	58.78
26 05 33 13-1627 Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover (26 05 33 13-1488)				
26 05 33 13-1628	EA	1/2" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.39 16.08	21.45
26 05 33 13-1629	EA	3/4" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	69.98 17.69	23.59
26 05 33 13-1630	EA	1" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	75.59 19.30	25.74
26 05 33 13-1631	EA	1-1/4" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	95.38 22.52	30.03
26 05 33 13-1632	EA	1-1/2" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	115.15 27.35	36.46
26 05 33 13-1633	EA	2" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	142.31 32.17	42.89
26 05 33 13-1634 Polyvinyl Chloride (PVC) Conduit Expansion Joint (26 05 33 13-1488)				
26 05 33 13-1635	EA	1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	107.07	20.27
26 05 33 13-1636	EA	3/4" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	118.63	24.32
26 05 33 13-1637	EA	1" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	131.05	28.38
26 05 33 13-1638	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	142.60	32.43
26 05 33 13-1639	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	153.83	36.48

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-1640	EA	2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	167.74	40.54
26 05 33 13-1641	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	206.33	46.62
26 05 33 13-1642	EA	3" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	248.26	52.70
26 05 33 13-1643	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	290.90	60.81
26 05 33 13-1644	EA	4" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	346.54	70.95
26 05 33 13-1645	EA	5" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	461.23	85.13
26 05 33 13-1646	EA	6" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	607.34	109.45

26 05 33 13-1647 Polyvinyl Chloride (PVC) Conduit End Caps (26 05 33 13-1488)

26 05 33 13-1648	EA	1/2" Polyvinyl Chloride (PVC) Conduit End Cap.....	13.10	4.06
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>3.04</i>	
26 05 33 13-1649	EA	3/4" Polyvinyl Chloride (PVC) Conduit End Cap.....	15.46	4.87
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>3.65</i>	
26 05 33 13-1650	EA	1" Polyvinyl Chloride (PVC) Conduit End Cap.....	17.75	5.68
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>4.26</i>	
26 05 33 13-1651	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit End Cap.....	21.34	6.48
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>4.87</i>	
26 05 33 13-1652	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit End Cap.....	24.98	7.29
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>5.47</i>	
26 05 33 13-1653	EA	2" Polyvinyl Chloride (PVC) Conduit End Cap.....	29.69	8.10
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>6.08</i>	
26 05 33 13-1654	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit End Cap.....	43.27	9.33
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>6.99</i>	
26 05 33 13-1655	EA	3" Polyvinyl Chloride (PVC) Conduit End Cap.....	47.26	10.54
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>7.91</i>	
26 05 33 13-1656	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit End Cap.....	61.09	11.76
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>8.82</i>	
26 05 33 13-1657	EA	4" Polyvinyl Chloride (PVC) Conduit End Cap.....	74.56	12.56
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>9.43</i>	
26 05 33 13-1658	EA	5" Polyvinyl Chloride (PVC) Conduit End Cap.....	86.81	14.19
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>10.64</i>	
26 05 33 13-1659	EA	6" Polyvinyl Chloride (PVC) Conduit End Cap.....	110.51	16.22
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>12.16</i>	

26 05 33 13-1660 Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Bodies With Cover (Smart Pathways) (26 05 33 13-1488)

26 05 33 13-1661	EA	2" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways EZLB200).....	130.07	36.48
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>27.36</i>	
26 05 33 13-1662	EA	3/4" To 1-1/4" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB121).....	139.28	24.32
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>18.24</i>	
26 05 33 13-1663	EA	1-1/2" To 2-1/2" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB251).....	341.89	40.54
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>30.40</i>	
26 05 33 13-1664	EA	3" To 4" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB401).....	670.37	58.78
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>44.09</i>	

26 05 33 13-1665 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit (26 05 33 13-0059)

Note: Exposed installation. Excludes supporting strap, hanger and fastening.

26 05 33 13-1666 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit (26 05 33 13-1665)

Note: Includes field bending conduit up to and including 1".

26 05 33 13-1667	LF	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	8.63	1.66
26 05 33 13-1668	LF	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	9.60	1.82
26 05 33 13-1669	LF	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	10.66	2.10
26 05 33 13-1670	LF	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	11.71	2.43
26 05 33 13-1671	LF	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	13.17	2.83
26 05 33 13-1672	LF	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	14.35	3.25
26 05 33 13-1673	LF	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	17.11	3.85
26 05 33 13-1674	LF	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	20.13	4.46
26 05 33 13-1675	LF	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	23.27	5.27
26 05 33 13-1676	LF	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	27.44	6.48
26 05 33 13-1677	LF	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	36.82	9.12
26 05 33 13-1678	LF	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	47.94	12.16

26 05 33 13-1679 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbows, 12" Large Radius Elbows (26 05 33 13-1665)

26 05 33 13-1680	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows.....	103.12	8.10
		<i>For 24" Radius, Add</i>	<i>7.23</i>	
		<i>For 36" Radius, Add</i>	<i>10.31</i>	
		<i>For 48" Radius, Add</i>	<i>13.40</i>	
26 05 33 13-1681	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows.....	115.05	8.92
		<i>For 24" Radius, Add</i>	<i>8.07</i>	
		<i>For 36" Radius, Add</i>	<i>11.51</i>	
		<i>For 48" Radius, Add</i>	<i>14.94</i>	
26 05 33 13-1682	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows.....	119.03	10.14
		<i>For 24" Radius, Add</i>	<i>8.29</i>	
		<i>For 36" Radius, Add</i>	<i>11.90</i>	
		<i>For 48" Radius, Add</i>	<i>15.51</i>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1683	EA		1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows.....	127.04	12.97
			For 24" Radius, Add	8.72	
			For 36" Radius, Add	12.70	
			For 48" Radius, Add	16.69	
26 05 33 13-1684	EA		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows.....	136.09	16.22
			For 24" Radius, Add	9.19	
			For 36" Radius, Add	13.61	
			For 48" Radius, Add	18.02	
26 05 33 13-1685	EA		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows.....	159.40	20.27
			For 24" Radius, Add	10.69	
			For 36" Radius, Add	15.94	
			For 48" Radius, Add	21.19	
26 05 33 13-1686	EA		2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows.....	190.94	24.32
			For 24" Radius, Add	12.80	
			For 36" Radius, Add	19.09	
			For 48" Radius, Add	25.39	
26 05 33 13-1687	EA		3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows.....	227.11	28.38
			For 24" Radius, Add	15.26	
			For 36" Radius, Add	22.71	
			For 48" Radius, Add	30.16	
26 05 33 13-1688	EA		3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows.....	261.82	34.46
			For 24" Radius, Add	17.48	
			For 36" Radius, Add	26.18	
			For 48" Radius, Add	34.88	
26 05 33 13-1689	EA		4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows.....	296.54	40.54
			For 24" Radius, Add	19.71	
			For 36" Radius, Add	29.65	
			For 48" Radius, Add	39.60	
26 05 33 13-1690	EA		5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows.....	370.68	50.67
			For 24" Radius, Add	24.63	
			For 36" Radius, Add	37.07	
			For 48" Radius, Add	49.50	
26 05 33 13-1691	EA		6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows.....	457.02	60.81
			For 24" Radius, Add	30.48	
			For 36" Radius, Add	45.70	
			For 48" Radius, Add	60.93	
26 05 33 13-1692 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbows, 12" Large Radius Elbows					
			(26 05 33 13-1665)		
26 05 33 13-1693	EA		1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows.....	88.21	8.10
			For 24" Radius, Add	6.11	
			For 36" Radius, Add	8.82	
			For 48" Radius, Add	11.53	
26 05 33 13-1694	EA		3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows.....	98.36	8.92
			For 24" Radius, Add	6.82	
			For 36" Radius, Add	9.84	
			For 48" Radius, Add	12.85	
26 05 33 13-1695	EA		1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows.....	102.16	10.14
			For 24" Radius, Add	7.03	
			For 36" Radius, Add	10.22	
			For 48" Radius, Add	13.40	
26 05 33 13-1696	EA		1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows.....	110.01	12.97
			For 24" Radius, Add	7.44	
			For 36" Radius, Add	11.00	
			For 48" Radius, Add	14.56	
26 05 33 13-1697	EA		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows.....	118.89	16.22
			For 24" Radius, Add	7.90	
			For 36" Radius, Add	11.89	
			For 48" Radius, Add	15.87	
26 05 33 13-1698	EA		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows.....	139.83	20.27
			For 24" Radius, Add	9.22	
			For 36" Radius, Add	13.98	
			For 48" Radius, Add	18.75	
26 05 33 13-1699	EA		2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows.....	167.52	24.32
			For 24" Radius, Add	11.04	
			For 36" Radius, Add	16.75	
			For 48" Radius, Add	22.46	
26 05 33 13-1700	EA		3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows.....	199.00	28.38
			For 24" Radius, Add	13.15	
			For 36" Radius, Add	19.90	
			For 48" Radius, Add	26.65	
26 05 33 13-1701	EA		3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows.....	230.20	34.46
			For 24" Radius, Add	15.11	
			For 36" Radius, Add	23.02	
			For 48" Radius, Add	30.93	
26 05 33 13-1702	EA		4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows.....	261.41	40.54
			For 24" Radius, Add	17.07	
			For 36" Radius, Add	26.14	
			For 48" Radius, Add	35.21	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 05 33 13-1703	EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	326.76 21.34 32.68 44.01		50.67
26 05 33 13-1704	EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	402.12 26.36 40.21 54.07		60.81
26 05 33 13-1705 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbows, 12" Large Radius Elbows (26 05 33 13-1665)				
26 05 33 13-1706	EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	82.03 5.70 8.20 10.71		7.29
26 05 33 13-1707	EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	91.49 6.36 9.15 11.94		8.02
26 05 33 13-1708	EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	94.95 6.55 9.50 12.44		9.12
26 05 33 13-1709	EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	102.04 6.92 10.20 13.48		11.67
26 05 33 13-1710	EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	110.05 7.34 11.01 14.67		14.60
26 05 33 13-1711	EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	129.32 8.56 12.93 17.31		18.24
26 05 33 13-1712	EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	154.93 10.25 15.49 20.73		21.89
26 05 33 13-1713	EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	184.08 12.21 18.41 24.61		25.54
26 05 33 13-1714	EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	212.81 14.02 21.28 28.54		31.01
26 05 33 13-1715	EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	241.52 15.83 24.15 32.47		36.48
26 05 33 13-1716	EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	301.89 19.79 30.19 40.59		45.60
26 05 33 13-1717	EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	371.66 24.45 37.17 49.88		54.73
26 05 33 13-1718 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbows, 12" Large Radius Elbows (26 05 33 13-1665)				
26 05 33 13-1719	EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	77.89 5.39 7.79 10.19		7.29
26 05 33 13-1720	EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	86.85 6.01 8.69 11.36		8.02
26 05 33 13-1721	EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	90.26 6.20 9.03 11.85		9.12
26 05 33 13-1722	EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	97.31 6.57 9.73 12.89		11.67

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1723	EA		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius		
			Elbows.....	105.28	14.60
			For 24" Radius, Add	6.98	
			For 36" Radius, Add	10.53	
			For 48" Radius, Add	14.07	
26 05 33 13-1724	EA		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius		
			Elbows.....	123.88	18.24
			For 24" Radius, Add	8.15	
			For 36" Radius, Add	12.39	
			For 48" Radius, Add	16.63	
26 05 33 13-1725	EA		2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius		
			Elbows.....	148.43	21.89
			For 24" Radius, Add	9.76	
			For 36" Radius, Add	14.84	
			For 48" Radius, Add	19.92	
26 05 33 13-1726	EA		3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius		
			Elbows.....	176.28	25.54
			For 24" Radius, Add	11.63	
			For 36" Radius, Add	17.63	
			For 48" Radius, Add	23.63	
26 05 33 13-1727	EA		3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius		
			Elbows.....	204.02	31.01
			For 24" Radius, Add	13.36	
			For 36" Radius, Add	20.40	
			For 48" Radius, Add	27.44	
26 05 33 13-1728	EA		4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius		
			Elbows.....	231.76	36.48
			For 24" Radius, Add	15.10	
			For 36" Radius, Add	23.18	
			For 48" Radius, Add	31.25	
26 05 33 13-1729	EA		5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius		
			Elbows.....	289.69	45.60
			For 24" Radius, Add	18.88	
			For 36" Radius, Add	28.97	
			For 48" Radius, Add	39.06	
26 05 33 13-1730	EA		6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius		
			Elbows.....	356.41	54.73
			For 24" Radius, Add	23.31	
			For 36" Radius, Add	35.64	
			For 48" Radius, Add	47.97	
26 05 33 13-1731			Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Couplings (26 05 33 13-1665)		
26 05 33 13-1732	EA		1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	48.49	5.68
26 05 33 13-1733	EA		3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	54.45	6.48
26 05 33 13-1734	EA		1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	56.86	7.29
26 05 33 13-1735	EA		1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	59.21	8.10
26 05 33 13-1736	EA		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	65.05	10.14
26 05 33 13-1737	EA		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	77.70	12.16
26 05 33 13-1738	EA		2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	97.47	16.22
26 05 33 13-1739	EA		3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	118.99	20.27
26 05 33 13-1740	EA		3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	142.74	26.35
26 05 33 13-1741	EA		4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	166.47	32.43
26 05 33 13-1742	EA		5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	208.08	40.54
26 05 33 13-1743	EA		6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	260.07	50.67
26 05 33 13-1744			Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Couplings (26 05 33 13-1665)		
26 05 33 13-1745	EA		1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	33.54	5.68
26 05 33 13-1746	EA		3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	37.72	6.48
26 05 33 13-1747	EA		1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	39.97	7.29
26 05 33 13-1748	EA		1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	42.23	8.10
26 05 33 13-1749	EA		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	47.52	10.14
26 05 33 13-1750	EA		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	52.72	12.16
26 05 33 13-1751	EA		2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	67.32	16.22
26 05 33 13-1752	EA		3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	82.81	20.27
26 05 33 13-1753	EA		3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	102.04	26.35
26 05 33 13-1754	EA		4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	121.25	32.43
26 05 33 13-1755	EA		5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	151.61	40.54
26 05 33 13-1756	EA		6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	189.47	50.67
26 05 33 13-1757			Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Couplings (26 05 33 13-1665)		
26 05 33 13-1758	EA		1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	38.25	4.66
26 05 33 13-1759	EA		3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	42.96	6.48
26 05 33 13-1760	EA		1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	45.28	7.29
26 05 33 13-1761	EA		1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	47.47	8.10
26 05 33 13-1762	EA		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	53.15	10.14
26 05 33 13-1763	EA		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	63.52	12.16
26 05 33 13-1764	EA		2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	80.26	16.22
26 05 33 13-1765	EA		3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	98.33	20.27
26 05 33 13-1766	EA		3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	119.49	26.35
26 05 33 13-1767	EA		4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	140.64	32.43
26 05 33 13-1768	EA		5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	175.78	40.54

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-1769 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling219.76 50.67

26 05 33 13-1770 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joints (26 05 33 13-1665)

26 05 33 13-1771	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	77.18	20.27
26 05 33 13-1772	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	90.22	24.32
26 05 33 13-1773	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	100.69	28.38
26 05 33 13-1774	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	111.00	32.43
26 05 33 13-1775	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	121.82	36.48
26 05 33 13-1776	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	137.78	40.54
26 05 33 13-1777	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	160.28	46.62
26 05 33 13-1778	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	184.22	52.70
26 05 33 13-1779	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	211.05	60.81
26 05 33 13-1780	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	242.94	70.95
26 05 33 13-1781	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	284.68	81.07
26 05 33 13-1782	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	330.50	91.21

26 05 33 13-1783 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joints (26 05 33 13-1665)

26 05 33 13-1784	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	87.95	20.27
26 05 33 13-1785	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	102.29	24.32
26 05 33 13-1786	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	112.82	28.38
26 05 33 13-1787	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	123.27	32.43
26 05 33 13-1788	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	134.19	36.48
26 05 33 13-1789	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	151.90	40.54
26 05 33 13-1790	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	177.22	46.62
26 05 33 13-1791	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	204.55	52.70
26 05 33 13-1792	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	233.94	60.81
26 05 33 13-1793	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	268.38	70.95
26 05 33 13-1794	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	316.56	81.07
26 05 33 13-1795	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	370.36	91.21

26 05 33 13-1796 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapters (26 05 33 13-1665)

26 05 33 13-1797	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	102.84	5.68
26 05 33 13-1798	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	114.70	6.48
26 05 33 13-1799	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	119.75	7.29
26 05 33 13-1800	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	124.93	8.10
26 05 33 13-1801	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	131.62	10.14
26 05 33 13-1802	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	146.80	12.16
26 05 33 13-1803	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	180.24	16.22
26 05 33 13-1804	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	218.22	20.27
26 05 33 13-1805	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	254.38	26.35
26 05 33 13-1806	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	290.52	32.43
26 05 33 13-1807	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	363.24	40.54
26 05 33 13-1808	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	452.02	50.67

26 05 33 13-1809 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joints (26 05 33 13-1665)

26 05 33 13-1810	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	106.68	20.27
26 05 33 13-1811	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	123.05	24.32
26 05 33 13-1812	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	147.83	28.38
26 05 33 13-1813	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	184.73	32.43
26 05 33 13-1814	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	233.31	36.48
26 05 33 13-1815	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	311.94	40.54
26 05 33 13-1816	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	447.94	46.62
26 05 33 13-1817	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	542.67	52.70
26 05 33 13-1818	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	657.39	60.81
26 05 33 13-1819	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	777.17	70.95
26 05 33 13-1820	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	915.18	81.07
26 05 33 13-1821	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	1,437.60	91.21

26 05 33 13-1822 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover (26 05 33 13-1665)

26 05 33 13-1823	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	90.12	16.22
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.16	
26 05 33 13-1824	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	104.72	18.24
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.68	
26 05 33 13-1825	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	140.81	20.27
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.20	
26 05 33 13-1826	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	172.16	24.32
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.24	
26 05 33 13-1827	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	219.16	30.40
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.80	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1828	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	303.30 27.36	36.48
26 05 33 13-1829	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	504.08 31.92	42.57
26 05 33 13-1830	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	651.85 36.49	48.65
26 05 33 13-1831	EA	3-1/2" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	784.78 42.56	56.75
26 05 33 13-1832	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	917.72 48.65	64.86
26 05 33 13-1833	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,083.81 54.73	72.97
26 05 33 13-1834	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,230.01 60.81	81.07
26 05 33 13-1835		Explosion Proof Conduit Fittings (26 05 33 13-0059) Note: For use with Rigid Galvanized Steel (RGS), Electrical Metallic Tubing (EMT) and Intermediate Metal Conduit (IMC) conduit.		
26 05 33 13-1836		Explosion Proof Malleable Iron Conduit Unions (26 05 33 13-1835)		
26 05 33 13-1837	EA	1/2" Explosion Proof Malleable Iron Conduit Union	38.82	8.94
26 05 33 13-1838	EA	3/4" Explosion Proof Malleable Iron Conduit Union	47.37	9.88
26 05 33 13-1839	EA	1" Explosion Proof Malleable Iron Conduit Union	74.09	13.17
26 05 33 13-1840	EA	1-1/4" Explosion Proof Malleable Iron Conduit Union	96.86	14.58
26 05 33 13-1841	EA	1-1/2" Explosion Proof Malleable Iron Conduit Union	121.69	17.87
26 05 33 13-1842	EA	2" Explosion Proof Malleable Iron Conduit Union	150.92	20.69
26 05 33 13-1843	EA	2-1/2" Explosion Proof Malleable Iron Conduit Union	228.87	29.58
26 05 33 13-1844	EA	3" Explosion Proof Malleable Iron Conduit Union	289.88	35.21
26 05 33 13-1845	EA	3-1/2" Explosion Proof Malleable Iron Conduit Union	479.58	42.26
26 05 33 13-1846	EA	4" Explosion Proof Malleable Iron Conduit Union	512.58	53.99
26 05 33 13-1847		Explosion Proof Malleable Iron Conduit Bodies (26 05 33 13-1835)		
26 05 33 13-1848	EA	1/2" Explosion Proof Malleable Iron Two Hub Conduit Body	136.01	28.21
26 05 33 13-1849	EA	3/4" Explosion Proof Malleable Iron Two Hub Conduit Body	153.38	31.98
26 05 33 13-1850	EA	1" Explosion Proof Malleable Iron Two Hub Conduit Body.....	178.72	35.27
26 05 33 13-1851	EA	1/2" Explosion Proof Malleable Iron Three Hub Conduit Body.....	154.90	35.27
26 05 33 13-1852	EA	3/4" Explosion Proof Malleable Iron Three Hub Conduit Body.....	184.66	42.33
26 05 33 13-1853	EA	1" Explosion Proof Malleable Iron Three Hub Conduit Body.....	217.86	48.44
26 05 33 13-1854		Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical (26 05 33 13-1835) Note: Includes sealing gasket and lock nut.		
26 05 33 13-1855	EA	1/2" x 1" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	112.56 17.63	23.51
26 05 33 13-1856	EA	3/4" x 1" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	115.98 19.75	26.33
26 05 33 13-1857	EA	1" x 1-1/2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	126.57 21.51	28.68
26 05 33 13-1858	EA	1-1/4" x 2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	162.03 26.45	35.27
26 05 33 13-1859	EA	1-1/2" x 2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	205.36 31.04	41.38
26 05 33 13-1860	EA	2" x 2-1/2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	261.41 35.27	47.03
26 05 33 13-1861	EA	2-1/2" x 3" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	373.58 52.82	70.42
26 05 33 13-1862	EA	3" x 4" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	471.87 66.20	88.26
26 05 33 13-1863	EA	3-1/2" x 4" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	655.24 72.89	97.18
26 05 33 13-1864	EA	4" x 5" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	837.44 79.23	105.63
26 05 33 13-1865		Explosion Proof Flexible Conduit Couplings (26 05 33 13-1835)		
26 05 33 13-1866	EA	1/2" x 12" Explosion Proof Flexible Conduit Coupling.....	280.48	10.81
26 05 33 13-1867	EA	3/4" x 15" Explosion Proof Flexible Conduit Coupling.....	366.20	12.23
26 05 33 13-1868		Conduit Installed Below Grade (26 05 33 13-0058) Note: By direct burial in trench or in concrete slabs or duct banks. Includes detectable warning tape for underground conduits. Excludes trenching, backfilling and concrete.		
26 05 33 13-1869		Schedule 40 Polyvinyl Chloride (PVC) Conduit, Direct Burial (26 05 33 13-1868)		
26 05 33 13-1870		Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial (26 05 33 13-1869) Note: Includes field bend conduit up to and including 1". See CSI section 26 05 33 13-2329 for field bending >1".		

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 13-1871	LF	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	4.35	
		<i>For Schedule 80, Add</i>	0.70	
		<i>For Schedule 60, Add</i>	0.43	
26 05 33 13-1872	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	4.96	
		<i>For Schedule 80, Add</i>	0.85	
		<i>For Schedule 60, Add</i>	0.53	
26 05 33 13-1873	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	5.91	
		<i>For Schedule 80, Add</i>	1.12	
		<i>For Schedule 60, Add</i>	0.72	
26 05 33 13-1874	LF	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	6.87	
		<i>For Schedule 80, Add</i>	1.39	
		<i>For Schedule 60, Add</i>	0.91	
26 05 33 13-1875	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	7.67	
		<i>For Schedule 80, Add</i>	1.61	
		<i>For Schedule 60, Add</i>	1.06	
26 05 33 13-1876	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	8.99	
		<i>For Schedule 80, Add</i>	2.01	
		<i>For Schedule 60, Add</i>	1.34	
26 05 33 13-1877	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	11.90	
		<i>For Schedule 80, Add</i>	2.96	
		<i>For Schedule 60, Add</i>	2.01	
26 05 33 13-1878	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	13.50	
		<i>For Schedule 80, Add</i>	3.46	
		<i>For Schedule 60, Add</i>	2.36	
26 05 33 13-1879	LF	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	16.10	
		<i>For Schedule 80, Add</i>	4.31	
		<i>For Schedule 60, Add</i>	2.96	
26 05 33 13-1880	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	17.41	
		<i>For Schedule 80, Add</i>	4.70	
		<i>For Schedule 60, Add</i>	3.24	
26 05 33 13-1881	LF	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	23.09	
		<i>For Schedule 80, Add</i>	6.62	
		<i>For Schedule 60, Add</i>	4.61	
26 05 33 13-1882	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	28.87	
		<i>For Schedule 80, Add</i>	8.58	
		<i>For Schedule 60, Add</i>	6.00	

26 05 33 13-1883 Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbows, Direct Burial

(26 05 33 13-1869)

See CSI section 26 05 33 13-2329 for conduit field bending.

26 05 33 13-1884	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	26.87	
		<i>For Schedule 80, Add</i>	3.07	
		<i>For Schedule 60, Add</i>	1.65	
26 05 33 13-1885	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	32.24	
		<i>For Schedule 80, Add</i>	3.68	
		<i>For Schedule 60, Add</i>	1.98	
26 05 33 13-1886	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	38.35	
		<i>For Schedule 80, Add</i>	4.56	
		<i>For Schedule 60, Add</i>	2.49	
26 05 33 13-1887	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	44.69	
		<i>For Schedule 80, Add</i>	5.51	
		<i>For Schedule 60, Add</i>	3.06	
26 05 33 13-1888	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	51.23	
		<i>For Schedule 80, Add</i>	6.53	
		<i>For Schedule 60, Add</i>	3.69	
26 05 33 13-1889	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	58.45	
		<i>For Schedule 80, Add</i>	7.79	
		<i>For Schedule 60, Add</i>	4.48	
26 05 33 13-1890	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	69.52	
		<i>For Schedule 80, Add</i>	10.40	
		<i>For Schedule 60, Add</i>	6.23	
26 05 33 13-1891	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	83.34	
		<i>For Schedule 80, Add</i>	13.97	
		<i>For Schedule 60, Add</i>	8.67	
26 05 33 13-1892	EA	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	102.29	
		<i>For Schedule 80, Add</i>	18.06	
		<i>For Schedule 60, Add</i>	11.38	
26 05 33 13-1893	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	121.39	
		<i>For Schedule 80, Add</i>	22.22	
		<i>For Schedule 60, Add</i>	14.13	
26 05 33 13-1894	EA	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	162.25	
		<i>For Schedule 80, Add</i>	33.99	
		<i>For Schedule 60, Add</i>	22.32	
26 05 33 13-1895	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	191.90	
		<i>For Schedule 80, Add</i>	41.83	
		<i>For Schedule 60, Add</i>	27.71	

26 05 33 13-1896 Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbows, Direct Burial

(26 05 33 13-1869)

See CSI section 26 05 33 13-2329 for conduit field bending.

26 05 33 13-1897	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	26.87	
		<i>For Schedule 80, Add</i>	3.07	
		<i>For Schedule 60, Add</i>	1.65	
26 05 33 13-1898	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	32.13	
		<i>For Schedule 80, Add</i>	3.65	
		<i>For Schedule 60, Add</i>	1.95	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1899	EA		1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	38.19	
			<i>For Schedule 80, Add</i>	4.50	
			<i>For Schedule 60, Add</i>	2.45	
26 05 33 13-1900	EA		1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	44.25	
			<i>For Schedule 80, Add</i>	5.35	
			<i>For Schedule 60, Add</i>	2.95	
26 05 33 13-1901	EA		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	50.23	
			<i>For Schedule 80, Add</i>	6.18	
			<i>For Schedule 60, Add</i>	3.44	
26 05 33 13-1902	EA		2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	57.92	
			<i>For Schedule 80, Add</i>	7.60	
			<i>For Schedule 60, Add</i>	4.35	
26 05 33 13-1903	EA		2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	68.52	
			<i>For Schedule 80, Add</i>	10.05	
			<i>For Schedule 60, Add</i>	5.98	
26 05 33 13-1904	EA		3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	82.07	
			<i>For Schedule 80, Add</i>	13.52	
			<i>For Schedule 60, Add</i>	8.36	
26 05 33 13-1905	EA		3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	98.72	
			<i>For Schedule 80, Add</i>	16.81	
			<i>For Schedule 60, Add</i>	10.49	
26 05 33 13-1906	EA		4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	118.32	
			<i>For Schedule 80, Add</i>	21.14	
			<i>For Schedule 60, Add</i>	13.37	
26 05 33 13-1907	EA		5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	158.28	
			<i>For Schedule 80, Add</i>	32.60	
			<i>For Schedule 60, Add</i>	21.33	
26 05 33 13-1908	EA		6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	180.08	
			<i>For Schedule 80, Add</i>	37.69	
			<i>For Schedule 60, Add</i>	24.75	
26 05 33 13-1909 Polyvinyl Chloride (PVC) Conduit Female Adapters, Direct Burial (26 05 33 13-1869)					
26 05 33 13-1910	EA		1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	14.90	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.26	
26 05 33 13-1911	EA		3/4" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	17.18	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.87	
26 05 33 13-1912	EA		1" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	19.56	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.47	
26 05 33 13-1913	EA		1-1/4" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	22.09	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.08	
26 05 33 13-1914	EA		1-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	24.28	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.69	
26 05 33 13-1915	EA		2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	27.14	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.30	
26 05 33 13-1916	EA		2-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	32.56	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.21	
26 05 33 13-1917	EA		3" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	37.48	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.12	
26 05 33 13-1918	EA		3-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	44.46	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.64	
26 05 33 13-1919	EA		4" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	49.93	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.16	
26 05 33 13-1920	EA		5" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	64.55	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.68	
26 05 33 13-1921	EA		6" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	73.54	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.20	
26 05 33 13-1922 Polyvinyl Chloride (PVC) Conduit Bell Ends And Plug, Direct Burial (26 05 33 13-1869)					
26 05 33 13-1923	EA		1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	17.93	
26 05 33 13-1924	EA		3/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	20.37	
26 05 33 13-1925	EA		1" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	22.85	
26 05 33 13-1926	EA		1-1/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	29.37	
26 05 33 13-1927	EA		1-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	32.51	
26 05 33 13-1928	EA		2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	36.73	
26 05 33 13-1929	EA		2-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	41.06	
26 05 33 13-1930	EA		3" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	46.41	
26 05 33 13-1931	EA		3-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	55.06	
26 05 33 13-1932	EA		4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	60.54	
26 05 33 13-1933	EA		5" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	77.27	
26 05 33 13-1934	EA		6" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	86.99	
26 05 33 13-1935 Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial (26 05 33 13-1869)					
26 05 33 13-1936	EA		1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial	14.78	
26 05 33 13-1937	EA		3/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial	17.18	
26 05 33 13-1938	EA		1" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial	19.40	
26 05 33 13-1939	EA		1-1/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial	21.81	
26 05 33 13-1940	EA		1-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	24.03	
26 05 33 13-1941	EA		2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	26.80	
26 05 33 13-1942	EA		2-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	31.88	
26 05 33 13-1943	EA		3" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	36.53	
26 05 33 13-1944	EA		3-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	43.25	
26 05 33 13-1945	EA		4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	48.69	
26 05 33 13-1946	EA		5" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	62.11	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-1947 EA 6" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial 70.61

26 05 33 13-1948 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel

 (RGS) Conduit, Direct Burial (26 05 33 13-1948)

Note: 40 mil Polyvinyl Chloride (PVC) coated, 2 mil urethane lined (Ocal Blue, Crouse-Hinds, Appleton or O-Z/Gedney).

26 05 33 13-1949 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel

 (RGS) Conduit, Direct Burial (26 05 33 13-1948)

Note: Includes field bending for conduit up to and including 1". See CSI section 26 05 33 13-2319 for field bending >1".

26 05 33 13-1950	LF	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	11.84	2.26
		For >500 To 1,000, Deduct	-0.74	
		For >1,000, Deduct	-1.04	
		For >250 To 500, Deduct	-0.44	
26 05 33 13-1951	LF	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	13.32	2.79
		For >500 To 1,000, Deduct	-0.84	
		For >1,000, Deduct	-1.17	
		For >250 To 500, Deduct	-0.51	
26 05 33 13-1952	LF	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	16.42	3.11
		For >500 To 1,000, Deduct	-1.04	
		For >1,000, Deduct	-1.45	
		For >250 To 500, Deduct	-0.63	
26 05 33 13-1953	LF	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	19.88	4.18
		For >500 To 1,000, Deduct	-1.28	
		For >1,000, Deduct	-1.77	
		For >250 To 500, Deduct	-0.78	
26 05 33 13-1954	LF	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	23.39	4.72
		For >500 To 1,000, Deduct	-1.51	
		For >1,000, Deduct	-2.10	
		For >250 To 500, Deduct	-0.93	
26 05 33 13-1955	LF	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	29.69	5.14
		For >500 To 1,000, Deduct	-1.93	
		For >1,000, Deduct	-2.67	
		For >250 To 500, Deduct	-1.19	
26 05 33 13-1956	LF	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	43.22	7.72
		For >500 To 1,000, Deduct	-2.84	
		For >1,000, Deduct	-3.92	
		For >250 To 500, Deduct	-1.76	
26 05 33 13-1957	LF	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	55.67	9.66
		For >500 To 1,000, Deduct	-3.64	
		For >1,000, Deduct	-5.03	
		For >250 To 500, Deduct	-2.25	
26 05 33 13-1958	LF	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	68.67	10.19
		For >500 To 1,000, Deduct	-4.48	
		For >1,000, Deduct	-6.20	
		For >250 To 500, Deduct	-2.76	
26 05 33 13-1959	LF	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	81.51	11.26
		For >500 To 1,000, Deduct	-5.31	
		For >1,000, Deduct	-7.35	
		For >250 To 500, Deduct	-3.27	
26 05 33 13-1960	LF	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	128.20	15.55
		For >500 To 1,000, Deduct	-8.60	
		For >1,000, Deduct	-11.80	
		For >250 To 500, Deduct	-5.39	
26 05 33 13-1961	LF	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	171.33	20.37
		For >500 To 1,000, Deduct	-11.56	
		For >1,000, Deduct	-15.85	
		For >250 To 500, Deduct	-7.28	

26 05 33 13-1962 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel

 (RGS) Couplings, Direct Burial (26 05 33 13-1948)

26 05 33 13-1963	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	12.71	3.22
26 05 33 13-1964	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	15.14	4.29
26 05 33 13-1965	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	19.26	5.36
26 05 33 13-1966	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	21.74	5.90
26 05 33 13-1967	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	25.77	6.97
26 05 33 13-1968	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	33.39	8.04
26 05 33 13-1969	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	62.15	9.66
26 05 33 13-1970	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	78.85	13.41
26 05 33 13-1971	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	97.85	15.55
26 05 33 13-1972	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	120.95	21.45
26 05 33 13-1973	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	313.34	29.49
26 05 33 13-1974	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	317.39	16.62

26 05 33 13-1975 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel

 (RGS) Standard Radius Elbows, Direct Burial (26 05 33 13-1948)

Note: 90, 45, or 30-degree.

26 05 33 13-1976	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	48.79	13.41
26 05 33 13-1977	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	56.06	16.62
26 05 33 13-1978	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	66.92	20.37

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1979	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	79.34	23.59
26 05 33 13-1980	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	93.14	26.81
26 05 33 13-1981	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	114.13	29.49
26 05 33 13-1982	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	177.92	37.00
26 05 33 13-1983	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	266.86	50.40
26 05 33 13-1984	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	331.58	56.83
26 05 33 13-1985	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	378.33	73.99
26 05 33 13-1986	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	796.37	120.64
26 05 33 13-1987	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	1,254.72	181.22
26 05 33 13-1988 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbows, Direct Burial (26 05 33 13-1948)				
26 05 33 13-1989	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	118.73	20.37
26 05 33 13-1990	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	133.44	23.59
26 05 33 13-1991	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	152.36	26.81
26 05 33 13-1992	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	182.47	29.49
26 05 33 13-1993	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	255.27	37.00
26 05 33 13-1994 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbows, Direct Burial (26 05 33 13-1948)				
26 05 33 13-1995	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	132.75	20.37
26 05 33 13-1996	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	156.59	23.59
26 05 33 13-1997	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	168.96	26.81
26 05 33 13-1998	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	218.67	29.49
26 05 33 13-1999	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	290.17	37.00
26 05 33 13-2000	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	370.38	50.40
26 05 33 13-2001 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbows, Direct Burial (26 05 33 13-1948)				
26 05 33 13-2002	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	149.50	20.37
26 05 33 13-2003	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	168.65	23.59
26 05 33 13-2004	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	190.26	26.81
26 05 33 13-2005	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	230.68	29.49
26 05 33 13-2006	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	330.28	37.00
26 05 33 13-2007	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	417.47	50.40
26 05 33 13-2008	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	528.80	56.83
26 05 33 13-2009	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	593.19	73.99
26 05 33 13-2010 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbows, Direct Burial (26 05 33 13-1948)				
26 05 33 13-2011	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	178.44	20.37
26 05 33 13-2012	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	196.95	23.59
26 05 33 13-2013	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	222.40	26.81
26 05 33 13-2014	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	276.96	29.49
26 05 33 13-2015	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	402.07	37.00
26 05 33 13-2016	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	497.26	50.40
26 05 33 13-2017	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	577.51	56.83

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-2018	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	682.62	73.99
26 05 33 13-2019		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbows, Direct Burial (26 05 33 13-1948)		
26 05 33 13-2020	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	200.96	20.37
26 05 33 13-2021	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	223.30	23.59
26 05 33 13-2022	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	254.03	26.81
26 05 33 13-2023	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	317.24	29.49
26 05 33 13-2024	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	441.24	37.00
26 05 33 13-2025	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	561.08	50.40
26 05 33 13-2026	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	695.96	56.83
26 05 33 13-2027	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	764.72	73.99
26 05 33 13-2028	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	1,275.65	120.64
26 05 33 13-2029		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbows, Direct Burial (26 05 33 13-1948)		
26 05 33 13-2030	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	230.41	20.37
26 05 33 13-2031	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	255.14	23.59
26 05 33 13-2032	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	288.71	26.81
26 05 33 13-2033	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	361.92	29.49
26 05 33 13-2034	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	506.51	37.00
26 05 33 13-2035	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	642.39	50.40
26 05 33 13-2036	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	755.31	56.83
26 05 33 13-2037	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	870.71	73.99
26 05 33 13-2038	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	1,349.93	120.64
26 05 33 13-2039	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	1,841.63	181.22
26 05 33 13-2040		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbows, Direct Burial (26 05 33 13-1948)		
26 05 33 13-2041	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	271.40	20.37
26 05 33 13-2042	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	283.52	23.59
26 05 33 13-2043	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	335.12	26.81
26 05 33 13-2044	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	424.12	29.49
26 05 33 13-2045	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	594.52	37.00
26 05 33 13-2046	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	752.00	50.40
26 05 33 13-2047	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	920.32	56.83
26 05 33 13-2048	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	1,076.89	73.99
26 05 33 13-2049	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	1,592.21	120.64
26 05 33 13-2050	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	1,952.84	181.22
26 05 33 13-2051		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbows, Direct Burial (26 05 33 13-1948)		
26 05 33 13-2052	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	281.28	20.37
26 05 33 13-2053	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	331.52	23.59
26 05 33 13-2054	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	375.25	26.81
26 05 33 13-2055	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	442.82	29.49
26 05 33 13-2056	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	616.50	37.00

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2057	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	785.72	50.40
26 05 33 13-2058	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	1,010.18	56.83
26 05 33 13-2059	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	1,123.65	73.99
26 05 33 13-2060	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	1,657.30	120.64
26 05 33 13-2061	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	2,009.35	181.22
26 05 33 13-2062 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNF Conduit Unions, Direct Burial (26 05 33 13-1948)				
26 05 33 13-2063	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	92.33	13.41
26 05 33 13-2064	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	99.95	16.62
26 05 33 13-2065	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	130.18	20.37
26 05 33 13-2066	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	191.12	23.59
26 05 33 13-2067	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	227.22	26.81
26 05 33 13-2068	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	290.33	29.49
26 05 33 13-2069	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	387.22	37.00
26 05 33 13-2070	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	505.82	37.00
26 05 33 13-2071	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	649.33	56.83
26 05 33 13-2072	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	835.78	73.99
26 05 33 13-2073	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	1,526.84	120.64
26 05 33 13-2074	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	1,893.54	181.22
26 05 33 13-2075 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNY Conduit Unions, Direct Burial (26 05 33 13-1948)				
26 05 33 13-2076	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	94.54	13.41
26 05 33 13-2077	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	108.38	16.62
26 05 33 13-2078	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	134.68	20.37
26 05 33 13-2079	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	199.37	23.59
26 05 33 13-2080	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	238.67	26.81
26 05 33 13-2081	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	315.06	29.49
26 05 33 13-2082	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	440.13	37.00
26 05 33 13-2083	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	559.61	37.00
26 05 33 13-2084	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	746.58	56.83
26 05 33 13-2085	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	932.67	73.99
26 05 33 13-2086	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	1,704.47	120.64
26 05 33 13-2087	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	2,180.35	181.22
26 05 33 13-2088 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Nipples, Direct Burial (26 05 33 13-1948)				
26 05 33 13-2089	EA	1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	31.44	6.44
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.86	
26 05 33 13-2090	EA	3/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	35.02	8.04
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.82	
26 05 33 13-2091	EA	1" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	40.35	10.19
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.11	
26 05 33 13-2092	EA	1-1/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	48.16	11.79
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.08	
26 05 33 13-2093	EA	1-1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	52.19	13.41
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.04	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-2094	EA	1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	34.91	6.97
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.18	
26 05 33 13-2095	EA	3/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	37.56	8.04
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.82	
26 05 33 13-2096	EA	1" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	42.91	10.19
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.11	
26 05 33 13-2097	EA	1-1/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	50.88	11.79
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.08	
26 05 33 13-2098	EA	1-1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	55.11	13.41
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.04	
26 05 33 13-2099	EA	2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	59.60	15.01
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.01	
26 05 33 13-2100	EA	1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	35.09	6.97
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.18	
26 05 33 13-2101	EA	3/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	37.73	8.04
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.82	
26 05 33 13-2102	EA	1" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	43.24	10.19
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.11	
26 05 33 13-2103	EA	1-1/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	51.23	11.79
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.08	
26 05 33 13-2104	EA	1-1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	55.47	13.41
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.04	
26 05 33 13-2105	EA	2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	60.51	15.01
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.01	
26 05 33 13-2106	EA	1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	37.50	6.97
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.18	
26 05 33 13-2107	EA	3/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	40.15	8.04
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.82	
26 05 33 13-2108	EA	1" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	45.83	10.19
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.11	
26 05 33 13-2109	EA	1-1/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	52.71	11.79
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.08	
26 05 33 13-2110	EA	1-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	57.09	13.41
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.04	
26 05 33 13-2111	EA	2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	63.35	15.01
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.01	
26 05 33 13-2112	EA	2-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	89.36	18.23
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.94	
26 05 33 13-2113	EA	3" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	115.12	25.20
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.12	
26 05 33 13-2114	EA	1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	37.68	6.97
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.18	
26 05 33 13-2115	EA	3/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	40.48	8.04
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.82	
26 05 33 13-2116	EA	1" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	46.19	10.19
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.11	
26 05 33 13-2117	EA	1-1/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	54.18	11.79
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.08	
26 05 33 13-2118	EA	1-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	58.72	13.41
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.04	
26 05 33 13-2119	EA	2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	66.19	15.01
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.01	
26 05 33 13-2120	EA	2-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	91.88	18.23
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.94	
26 05 33 13-2121	EA	3" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	120.53	25.20
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.12	
26 05 33 13-2122	EA	3-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	144.31	28.41
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.05	
26 05 33 13-2123	EA	4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	167.58	37.00
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.19	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2124	EA		1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct		
			Burial	38.01	6.97
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.18	
26 05 33 13-2125	EA		3/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct		
			Burial	40.83	8.04
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.82	
26 05 33 13-2126	EA		1" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct		
			Burial	46.57	10.19
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.11	
26 05 33 13-2127	EA		1-1/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct		
			Burial	54.86	11.79
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.08	
26 05 33 13-2128	EA		1-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct		
			Burial	59.43	13.41
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.04	
26 05 33 13-2129	EA		2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct		
			Burial	67.74	15.01
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.01	
26 05 33 13-2130	EA		2-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct		
			Burial	101.88	18.23
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.94	
26 05 33 13-2131	EA		3" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct		
			Burial	128.63	25.20
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.12	
26 05 33 13-2132	EA		3-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct		
			Burial	146.03	28.41
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.05	
26 05 33 13-2133	EA		4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct		
			Burial	172.20	37.00
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.19	
26 05 33 13-2134	EA		5" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct		
			Burial	254.64	50.93
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.56	
26 05 33 13-2135	EA		1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct		
			Burial	38.64	6.97
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.18	
26 05 33 13-2136	EA		3/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct		
			Burial	41.47	8.04
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.82	
26 05 33 13-2137	EA		1" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct		
			Burial	47.25	10.19
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.11	
26 05 33 13-2138	EA		1-1/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct		
			Burial	56.13	11.79
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.08	
26 05 33 13-2139	EA		1-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct		
			Burial	60.95	13.41
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.04	
26 05 33 13-2140	EA		2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct		
			Burial	69.29	15.01
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.01	
26 05 33 13-2141	EA		2-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct		
			Burial	112.03	18.23
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.94	
26 05 33 13-2142	EA		3" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct		
			Burial	139.39	25.20
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.12	
26 05 33 13-2143	EA		3-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct		
			Burial	155.73	28.41
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.05	
26 05 33 13-2144	EA		4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct		
			Burial	188.54	37.00
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.19	
26 05 33 13-2145	EA		5" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct		
			Burial	279.09	50.93
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.56	
26 05 33 13-2146	EA		1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct		
			Burial	39.63	6.97
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.18	
26 05 33 13-2147	EA		3/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct		
			Burial	42.43	8.04
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.82	
26 05 33 13-2148	EA		1" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct		
			Burial	48.78	10.19
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.11	
26 05 33 13-2149	EA		1-1/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct		
			Burial	56.46	11.79
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.08	
26 05 33 13-2150	EA		1-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct		
			Burial	64.05	13.41
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.04	
26 05 33 13-2151	EA		2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct		
			Burial	76.86	15.01
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.01	
26 05 33 13-2152	EA		2-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct		
			Burial	124.52	18.23
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.94	
26 05 33 13-2153	EA		3" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct		
			Burial	154.12	25.20
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.12	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 13-2154	EA	3-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	180.00	28.41
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.05	
26 05 33 13-2155	EA	4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	213.09	37.00
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.19	
26 05 33 13-2156	EA	5" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	295.84	50.93
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.56	
26 05 33 13-2157	EA	1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	40.67	6.97
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.18	
26 05 33 13-2158	EA	3/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	43.45	8.04
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.82	
26 05 33 13-2159	EA	1" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	50.27	10.19
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.11	
26 05 33 13-2160	EA	1-1/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	61.03	11.79
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.08	
26 05 33 13-2161	EA	1-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	71.41	13.41
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.04	
26 05 33 13-2162	EA	2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	87.98	15.01
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.01	
26 05 33 13-2163	EA	2-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	137.72	18.23
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.94	
26 05 33 13-2164	EA	3" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	172.98	25.20
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.12	
26 05 33 13-2165	EA	3-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	205.49	28.41
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.05	
26 05 33 13-2166	EA	4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	256.04	37.00
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.19	
26 05 33 13-2167	EA	5" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	329.27	50.93
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.56	
26 05 33 13-2168	EA	1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	41.74	6.97
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.18	
26 05 33 13-2169	EA	3/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	44.64	8.04
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.82	
26 05 33 13-2170	EA	1" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	54.08	10.19
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.11	
26 05 33 13-2171	EA	1-1/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	68.55	11.79
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.08	
26 05 33 13-2172	EA	1-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	80.32	13.41
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.04	
26 05 33 13-2173	EA	2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	96.91	15.01
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.01	
26 05 33 13-2174	EA	2-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	155.34	18.23
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.94	
26 05 33 13-2175	EA	3" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	201.26	25.20
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.12	
26 05 33 13-2176	EA	3-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	221.13	28.41
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.05	
26 05 33 13-2177	EA	4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	269.22	37.00
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.19	
26 05 33 13-2178	EA	5" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	334.05	50.93
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.56	
26 05 33 13-2179		Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit (26 05 33 13-1868) Note: Direct burial or encased application.		
26 05 33 13-2180		Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit (26 05 33 13-2179) Note: Includes field bending for conduit up to and including 1". See CSI section 26 05 33 13-2329 for field bending >1".		
26 05 33 13-2181	LF	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	7.77	1.32
		<i>For Work In Restricted Working Space, Add</i>	0.99	
26 05 33 13-2182	LF	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	8.59	1.42
		<i>For Work In Restricted Working Space, Add</i>	1.07	
26 05 33 13-2183	LF	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	9.14	1.52
		<i>For Work In Restricted Working Space, Add</i>	1.14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2184	LF		1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial.....	9.69	1.62
			<i>For Work In Restricted Working Space, Add</i>	1.22	
26 05 33 13-2185	LF		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial.....	10.39	1.72
			<i>For Work In Restricted Working Space, Add</i>	1.29	
26 05 33 13-2186	LF		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial.....	10.81	1.82
			<i>For Work In Restricted Working Space, Add</i>	1.37	
26 05 33 13-2187	LF		2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial.....	12.30	1.92
			<i>For Work In Restricted Working Space, Add</i>	1.45	
26 05 33 13-2188	LF		3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial.....	14.05	2.02
			<i>For Work In Restricted Working Space, Add</i>	1.52	
26 05 33 13-2189	LF		3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial.....	15.42	2.12
			<i>For Work In Restricted Working Space, Add</i>	1.60	
26 05 33 13-2190	LF		4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial.....	16.79	2.23
			<i>For Work In Restricted Working Space, Add</i>	1.67	
26 05 33 13-2191	LF		5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial.....	19.85	2.33
			<i>For Work In Restricted Working Space, Add</i>	1.75	
26 05 33 13-2192	LF		6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial.....	23.62	2.43
			<i>For Work In Restricted Working Space, Add</i>	1.82	
26 05 33 13-2193 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90					
 Degree Elbows, 12" Large Radius Elbows (26 05 33 13-2179)					
26 05 33 13-2194	EA		1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius		
			Elbows, Direct Burial	108.18	10.14
			<i>For Work In Restricted Working Space, Add</i>	7.60	
			<i>For 24" Radius, Add</i>	7.48	
			<i>For 36" Radius, Add</i>	10.82	
			<i>For 48" Radius, Add</i>	14.16	
26 05 33 13-2195	EA		3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius		
			Elbows, Direct Burial	123.15	12.16
			<i>For Work In Restricted Working Space, Add</i>	9.12	
			<i>For 24" Radius, Add</i>	8.48	
			<i>For 36" Radius, Add</i>	12.32	
			<i>For 48" Radius, Add</i>	16.15	
26 05 33 13-2196	EA		1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows,		
			Direct Burial.....	129.17	14.19
			<i>For Work In Restricted Working Space, Add</i>	10.64	
			<i>For 24" Radius, Add</i>	8.80	
			<i>For 36" Radius, Add</i>	12.92	
			<i>For 48" Radius, Add</i>	17.03	
26 05 33 13-2197	EA		1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius		
			Elbows, Direct Burial	135.15	16.22
			<i>For Work In Restricted Working Space, Add</i>	12.16	
			<i>For 24" Radius, Add</i>	9.12	
			<i>For 36" Radius, Add</i>	13.52	
			<i>For 48" Radius, Add</i>	17.91	
26 05 33 13-2198	EA		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius		
			Elbows, Direct Burial	141.15	18.24
			<i>For Work In Restricted Working Space, Add</i>	13.68	
			<i>For 24" Radius, Add</i>	9.45	
			<i>For 36" Radius, Add</i>	14.12	
			<i>For 48" Radius, Add</i>	18.78	
26 05 33 13-2199	EA		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows,		
			Direct Burial.....	159.40	20.27
			<i>For Work In Restricted Working Space, Add</i>	15.20	
			<i>For 24" Radius, Add</i>	10.69	
			<i>For 36" Radius, Add</i>	15.94	
			<i>For 48" Radius, Add</i>	21.19	
26 05 33 13-2200	EA		2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius		
			Elbows, Direct Burial	185.87	22.30
			<i>For Work In Restricted Working Space, Add</i>	16.72	
			<i>For 24" Radius, Add</i>	12.55	
			<i>For 36" Radius, Add</i>	18.59	
			<i>For 48" Radius, Add</i>	24.63	
26 05 33 13-2201	EA		3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows,		
			Direct Burial.....	216.97	24.32
			<i>For Work In Restricted Working Space, Add</i>	18.24	
			<i>For 24" Radius, Add</i>	14.75	
			<i>For 36" Radius, Add</i>	21.70	
			<i>For 48" Radius, Add</i>	28.64	
26 05 33 13-2202	EA		3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius		
			Elbows, Direct Burial	246.63	28.38
			<i>For Work In Restricted Working Space, Add</i>	21.29	
			<i>For 24" Radius, Add</i>	16.72	
			<i>For 36" Radius, Add</i>	24.66	
			<i>For 48" Radius, Add</i>	32.60	
26 05 33 13-2203	EA		4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows,		
			Direct Burial.....	276.27	36.48
			<i>For Work In Restricted Working Space, Add</i>	24.32	
			<i>For 24" Radius, Add</i>	18.69	
			<i>For 36" Radius, Add</i>	27.63	
			<i>For 48" Radius, Add</i>	36.56	
26 05 33 13-2204	EA		5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows,		
			Direct Burial.....	335.21	36.48
			<i>For Work In Restricted Working Space, Add</i>	27.36	
			<i>For 24" Radius, Add</i>	22.86	
			<i>For 36" Radius, Add</i>	33.52	
			<i>For 48" Radius, Add</i>	44.18	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-2205	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	406.34	40.54
		<i>For Work In Restricted Working Space, Add</i>	30.40	
		<i>For 24" Radius, Add</i>	27.94	
		<i>For 36" Radius, Add</i>	40.63	
		<i>For 48" Radius, Add</i>	53.33	

26 05 33 13-2206 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Couplings
(26 05 33 13-2179)

26 05 33 13-2207	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	48.49	5.68
		<i>For Work In Restricted Working Space, Add</i>	4.26	
26 05 33 13-2208	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	54.45	6.48
		<i>For Work In Restricted Working Space, Add</i>	4.87	
26 05 33 13-2209	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	56.86	7.29
		<i>For Work In Restricted Working Space, Add</i>	5.47	
26 05 33 13-2210	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	59.21	8.10
		<i>For Work In Restricted Working Space, Add</i>	6.08	
26 05 33 13-2211	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	62.02	8.92
		<i>For Work In Restricted Working Space, Add</i>	6.69	
26 05 33 13-2212	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	71.62	9.73
		<i>For Work In Restricted Working Space, Add</i>	7.30	
26 05 33 13-2213	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	84.29	10.95
		<i>For Work In Restricted Working Space, Add</i>	8.21	
26 05 33 13-2214	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	98.72	12.16
		<i>For Work In Restricted Working Space, Add</i>	9.12	
26 05 33 13-2215	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	112.33	14.19
		<i>For Work In Restricted Working Space, Add</i>	10.64	
26 05 33 13-2216	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	125.94	16.22
		<i>For Work In Restricted Working Space, Add</i>	12.16	
26 05 33 13-2217	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	152.34	18.24
		<i>For Work In Restricted Working Space, Add</i>	13.68	
26 05 33 13-2218	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	184.06	20.27
		<i>For Work In Restricted Working Space, Add</i>	15.20	

26 05 33 13-2219 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Couplings
(26 05 33 13-2179)

26 05 33 13-2220	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	33.54	5.68
		<i>For Work In Restricted Working Space, Add</i>	4.26	
26 05 33 13-2221	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	37.72	6.48
		<i>For Work In Restricted Working Space, Add</i>	4.87	
26 05 33 13-2222	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	39.97	7.29
		<i>For Work In Restricted Working Space, Add</i>	5.47	
26 05 33 13-2223	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	42.23	8.10
		<i>For Work In Restricted Working Space, Add</i>	6.08	
26 05 33 13-2224	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	44.49	8.92
		<i>For Work In Restricted Working Space, Add</i>	6.69	
26 05 33 13-2225	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	46.64	9.73
		<i>For Work In Restricted Working Space, Add</i>	7.30	
26 05 33 13-2226	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	54.14	10.95
		<i>For Work In Restricted Working Space, Add</i>	8.21	
26 05 33 13-2227	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	62.54	12.16
		<i>For Work In Restricted Working Space, Add</i>	9.12	
26 05 33 13-2228	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	71.63	14.19
		<i>For Work In Restricted Working Space, Add</i>	10.64	
26 05 33 13-2229	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	80.72	16.22
		<i>For Work In Restricted Working Space, Add</i>	12.16	
26 05 33 13-2230	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	95.87	18.24
		<i>For Work In Restricted Working Space, Add</i>	13.68	
26 05 33 13-2231	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	113.46	20.27
		<i>For Work In Restricted Working Space, Add</i>	15.20	

26 05 33 13-2232 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Couplings
(26 05 33 13-2179)

26 05 33 13-2233	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	32.16	3.25
		<i>For Work In Restricted Working Space, Add</i>	2.43	
26 05 33 13-2234	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	35.86	3.65
		<i>For Work In Restricted Working Space, Add</i>	2.74	
26 05 33 13-2235	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	37.18	4.06
		<i>For Work In Restricted Working Space, Add</i>	3.04	
26 05 33 13-2236	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	38.35	4.46
		<i>For Work In Restricted Working Space, Add</i>	3.35	
26 05 33 13-2237	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	39.98	4.87
		<i>For Work In Restricted Working Space, Add</i>	3.65	
26 05 33 13-2238	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	47.31	5.68
		<i>For Work In Restricted Working Space, Add</i>	4.26	
26 05 33 13-2239	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	56.95	6.89
		<i>For Work In Restricted Working Space, Add</i>	5.17	
26 05 33 13-2240	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	67.93	8.10
		<i>For Work In Restricted Working Space, Add</i>	6.08	

MINOR		DESCRIPTION	TOTAL DIRECT		DEMOLITION
CSI	UOM		UNIT COST	UNIT COST	
26 05 33 13-2241	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	78.94		10.14
		<i>For Work In Restricted Working Space, Add</i>	7.60		
26 05 33 13-2242	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	89.97		12.16
		<i>For Work In Restricted Working Space, Add</i>	9.12		
26 05 33 13-2243	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	109.91		14.19
		<i>For Work In Restricted Working Space, Add</i>	10.64		
26 05 33 13-2244	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	133.62		16.22
		<i>For Work In Restricted Working Space, Add</i>	12.16		
26 05 33 13-2245 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joints					
		(26 05 33 13-2179)			
26 05 33 13-2246	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	77.18		20.27
		<i>For Work In Restricted Working Space, Add</i>	15.20		
26 05 33 13-2247	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	90.22		24.32
		<i>For Work In Restricted Working Space, Add</i>	18.24		
26 05 33 13-2248	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	100.69		28.38
		<i>For Work In Restricted Working Space, Add</i>	21.29		
26 05 33 13-2249	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	111.00		32.43
		<i>For Work In Restricted Working Space, Add</i>	24.32		
26 05 33 13-2250	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	116.75		34.46
		<i>For Work In Restricted Working Space, Add</i>	25.84		
26 05 33 13-2251	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	127.65		36.48
		<i>For Work In Restricted Working Space, Add</i>	27.36		
26 05 33 13-2252	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	140.01		38.51
		<i>For Work In Restricted Working Space, Add</i>	28.88		
26 05 33 13-2253	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	153.82		40.54
		<i>For Work In Restricted Working Space, Add</i>	30.40		
26 05 33 13-2254	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	165.44		42.57
		<i>For Work In Restricted Working Space, Add</i>	31.92		
26 05 33 13-2255	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	177.07		44.59
		<i>For Work In Restricted Working Space, Add</i>	33.44		
26 05 33 13-2256	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	198.54		46.62
		<i>For Work In Restricted Working Space, Add</i>	34.97		
26 05 33 13-2257	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	224.10		48.65
		<i>For Work In Restricted Working Space, Add</i>	36.49		
26 05 33 13-2258 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joints					
		(26 05 33 13-2179)			
26 05 33 13-2259	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial.....	87.95		20.27
		<i>For Work In Restricted Working Space, Add</i>	15.20		
26 05 33 13-2260	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial.....	102.29		24.32
		<i>For Work In Restricted Working Space, Add</i>	18.24		
26 05 33 13-2261	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial.....	112.82		28.38
		<i>For Work In Restricted Working Space, Add</i>	21.29		
26 05 33 13-2262	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial.....	123.27		32.43
		<i>For Work In Restricted Working Space, Add</i>	24.32		
26 05 33 13-2263	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial.....	129.12		34.46
		<i>For Work In Restricted Working Space, Add</i>	25.84		
26 05 33 13-2264	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial.....	141.77		36.48
		<i>For Work In Restricted Working Space, Add</i>	27.36		
26 05 33 13-2265	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial.....	156.95		38.51
		<i>For Work In Restricted Working Space, Add</i>	28.88		
26 05 33 13-2266	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial.....	174.15		40.54
		<i>For Work In Restricted Working Space, Add</i>	30.40		
26 05 33 13-2267	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial.....	188.33		42.57
		<i>For Work In Restricted Working Space, Add</i>	31.92		
26 05 33 13-2268	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial.....	202.51		44.59
		<i>For Work In Restricted Working Space, Add</i>	33.44		
26 05 33 13-2269	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial.....	230.42		46.62
		<i>For Work In Restricted Working Space, Add</i>	34.97		
26 05 33 13-2270	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial.....	263.96		48.65
		<i>For Work In Restricted Working Space, Add</i>	36.49		
26 05 33 13-2271 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapters					
		(26 05 33 13-2179)			
26 05 33 13-2272	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial.....	102.84		5.68
		<i>For Work In Restricted Working Space, Add</i>	4.26		
26 05 33 13-2273	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial.....	114.70		6.48
		<i>For Work In Restricted Working Space, Add</i>	4.87		
26 05 33 13-2274	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial.....	119.75		7.29
		<i>For Work In Restricted Working Space, Add</i>	5.47		
26 05 33 13-2275	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial.....	124.93		8.10
		<i>For Work In Restricted Working Space, Add</i>	6.08		
26 05 33 13-2276	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial.....	128.59		8.92
		<i>For Work In Restricted Working Space, Add</i>	6.69		
26 05 33 13-2277	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial.....	140.72		9.73
		<i>For Work In Restricted Working Space, Add</i>	7.30		
26 05 33 13-2278	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial.....	167.06		10.95
		<i>For Work In Restricted Working Space, Add</i>	8.21		
26 05 33 13-2279	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial.....	197.95		12.16
		<i>For Work In Restricted Working Space, Add</i>	9.12		
26 05 33 13-2280	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial.....	223.97		14.19
		<i>For Work In Restricted Working Space, Add</i>	10.64		
26 05 33 13-2281	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial.....	249.99		16.22
		<i>For Work In Restricted Working Space, Add</i>	12.16		

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-2282	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial.....	307.50	18.24
		<i>For Work In Restricted Working Space, Add</i>	13.68	
26 05 33 13-2283	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial.....	376.01	20.27
		<i>For Work In Restricted Working Space, Add</i>	15.20	

26 05 33 13-2284 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joints
(26 05 33 13-2179)

26 05 33 13-2285	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	106.68	20.27
		<i>For Work In Restricted Working Space, Add</i>	15.20	
26 05 33 13-2286	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	123.05	24.32
		<i>For Work In Restricted Working Space, Add</i>	18.24	
26 05 33 13-2287	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	147.83	28.38
		<i>For Work In Restricted Working Space, Add</i>	21.29	
26 05 33 13-2288	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	184.73	32.43
		<i>For Work In Restricted Working Space, Add</i>	24.32	
26 05 33 13-2289	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	228.24	34.46
		<i>For Work In Restricted Working Space, Add</i>	25.84	
26 05 33 13-2290	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	301.81	36.48
		<i>For Work In Restricted Working Space, Add</i>	27.36	
26 05 33 13-2291	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	427.67	38.51
		<i>For Work In Restricted Working Space, Add</i>	28.88	
26 05 33 13-2292	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	512.27	40.54
		<i>For Work In Restricted Working Space, Add</i>	30.40	
26 05 33 13-2293	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	611.78	42.57
		<i>For Work In Restricted Working Space, Add</i>	31.92	
26 05 33 13-2294	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	711.30	44.59
		<i>For Work In Restricted Working Space, Add</i>	33.44	
26 05 33 13-2295	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	829.04	46.62
		<i>For Work In Restricted Working Space, Add</i>	34.97	
26 05 33 13-2296	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	1,331.20	48.65
		<i>For Work In Restricted Working Space, Add</i>	36.49	

26 05 33 13-2297 Spacers
(26 05 33 13-1868)

Note: For concrete encasement applications. See CSI section 03 30 53 00-0001 for concrete., 26 05 33 13-1868 for conduit.

26 05 33 13-2298	EA	1" Base Spacers, Average 4" Wide, Direct Burial	11.07	
26 05 33 13-2299	EA	1" Intermediate Spacers, Average 4" Wide, Direct Burial	11.86	
26 05 33 13-2300	EA	1-1/4" Base Spacer, Average 4" Wide, Direct Burial	13.13	
26 05 33 13-2301	EA	1-1/4" Intermediate Spacers, Average 4" Wide, Direct Burial	14.09	
26 05 33 13-2302	EA	1-1/2" Base Spacer, Average 4" Wide, Direct Burial	13.28	
26 05 33 13-2303	EA	1-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial	14.19	
26 05 33 13-2304	EA	2" Base Spacer, Average 4" Wide, Direct Burial	16.38	
26 05 33 13-2305	EA	2" Intermediate Spacers, Average 4" Wide, Direct Burial	15.21	
26 05 33 13-2306	EA	2-1/2" Base Spacer, Average 4" Wide, Direct Burial	18.08	
26 05 33 13-2307	EA	2-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial	17.49	
26 05 33 13-2308	EA	3" Base Spacer, Average 4" Wide, Direct Burial	20.63	
26 05 33 13-2309	EA	3" Intermediate Spacers, Average 4" Wide, Direct Burial	19.75	
26 05 33 13-2310	EA	3-1/2" Base Spacer, Average 4" Wide, Direct Burial	22.36	
26 05 33 13-2311	EA	3-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial	21.40	
26 05 33 13-2312	EA	4" Base Spacer, Average 4" Wide, Direct Burial	23.07	
26 05 33 13-2313	EA	4" Intermediate Spacers, Average 4" Wide, Direct Burial	22.01	
26 05 33 13-2314	EA	5" Base Spacer, Average 4" Wide, Direct Burial	25.52	
26 05 33 13-2315	EA	5" Intermediate Spacers, Average 4" Wide, Direct Burial	24.26	
26 05 33 13-2316	EA	6" Base Spacer, Average 4" Wide, Direct Burial	29.07	
26 05 33 13-2317	EA	6" Intermediate Spacers, Average 4" Wide, Direct Burial	28.01	

26 05 33 13-2318 Conduit Field Bending
(26 05 33 13-0058)

Note: Conduit tasks by LF include field bending up to and include 1" conduit.

26 05 33 13-2319 Metallic Conduit Field Bending
(26 05 33 13-2318)

Note: For use with Rigid Galvanized Steel (RGS), Electrical Metallic Tubing (EMT), and Intermediate Metal Conduit (IMC).

26 05 33 13-2320	EA	1-1/4" Metallic Conduit Field Bending	19.33	
		<i>For Aluminum Conduit Bending, Add</i>	12.76	
26 05 33 13-2321	EA	1-1/2" Metallic Conduit Field Bending	24.16	
		<i>For Aluminum Conduit Bending, Add</i>	15.95	
26 05 33 13-2322	EA	2" Metallic Conduit Field Bending	30.20	
		<i>For Aluminum Conduit Bending, Add</i>	19.93	
26 05 33 13-2323	EA	2-1/2" Metallic Conduit Field Bending	42.28	
		<i>For Aluminum Conduit Bending, Add</i>	27.90	
26 05 33 13-2324	EA	3" Metallic Conduit Field Bending	54.36	
		<i>For Aluminum Conduit Bending, Add</i>	35.88	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2325	EA	3-1/2" Metallic Conduit Field Bending..... <i>For Aluminum Conduit Bending, Add</i>	72.48 47.84	
26 05 33 13-2326	EA	4" Metallic Conduit Field Bending..... <i>For Aluminum Conduit Bending, Add</i>	84.56 55.81	
26 05 33 13-2327	EA	5" Metallic Conduit Field Bending..... <i>For Aluminum Conduit Bending, Add</i>	96.64 63.78	
26 05 33 13-2328	EA	6" Metallic Conduit Field Bending..... <i>For Aluminum Conduit Bending, Add</i>	114.76 75.74	
26 05 33 13-2329		Plastic Conduit Field Bending (26 05 33 13-2318) Note: For PVC conduits.		
26 05 33 13-2330	EA	1" Plastic Conduit Field Bending.....	27.78	
26 05 33 13-2331	EA	1-1/4" Plastic Conduit Field Bending.....	30.20	
26 05 33 13-2332	EA	1-1/2" Plastic Conduit Field Bending.....	36.24	
26 05 33 13-2333	EA	2" Plastic Conduit Field Bending.....	48.32	
26 05 33 13-2334	EA	2-1/2" Plastic Conduit Field Bending.....	60.40	
26 05 33 13-2335	EA	3" Plastic Conduit Field Bending.....	72.48	
26 05 33 13-2336	EA	3-1/2" Plastic Conduit Field Bending.....	84.56	
26 05 33 13-2337	EA	4" Plastic Conduit Field Bending.....	96.64	
26 05 33 13-2338	EA	5" Plastic Conduit Field Bending.....	108.72	
26 05 33 13-2339	EA	6" Plastic Conduit Field Bending.....	120.80	
26 05 33 13-2340		Cut And Thread Existing In-Place Threaded Conduit (26 05 33 13-0058) Note: For use when connecting conduit to an existing in-place system.		
26 05 33 13-2341	EA	1/2", Cut And Thread Existing In-Place Threaded Conduit..... <i>For Work In Restricted Working Space, Add</i>	35.27 10.58	
26 05 33 13-2342	EA	3/4", Cut And Thread Existing In-Place Threaded Conduit..... <i>For Work In Restricted Working Space, Add</i>	38.79 11.64	
26 05 33 13-2343	EA	1", Cut And Thread Existing In-Place Threaded Conduit..... <i>For Work In Restricted Working Space, Add</i>	42.33 12.70	
26 05 33 13-2344	EA	1-1/4", Cut And Thread Existing In-Place Threaded Conduit..... <i>For Work In Restricted Working Space, Add</i>	45.85 13.76	
26 05 33 13-2345	EA	1-1/2", Cut And Thread Existing In-Place Threaded Conduit..... <i>For Work In Restricted Working Space, Add</i>	48.20 14.46	
26 05 33 13-2346	EA	2", Cut And Thread Existing In-Place Threaded Conduit..... <i>For Work In Restricted Working Space, Add</i>	50.55 15.17	
26 05 33 13-2347	EA	2-1/2", Cut And Thread Existing In-Place Threaded Conduit..... <i>For Work In Restricted Working Space, Add</i>	52.91 15.87	
26 05 33 13-2348	EA	3", Cut And Thread Existing In-Place Threaded Conduit..... <i>For Work In Restricted Working Space, Add</i>	55.26 16.58	
26 05 33 13-2349	EA	3-1/2", Cut And Thread Existing In-Place Threaded Conduit..... <i>For Work In Restricted Working Space, Add</i>	56.43 16.93	
26 05 33 13-2350	EA	4", Cut And Thread Existing In-Place Threaded Conduit..... <i>For Work In Restricted Working Space, Add</i>	57.61 17.28	
26 05 33 13-2351	EA	5", Cut And Thread Existing In-Place Threaded Conduit..... <i>For Work In Restricted Working Space, Add</i>	59.96 17.99	
26 05 33 13-2352	EA	6", Cut And Thread Existing In-Place Threaded Conduit..... <i>For Work In Restricted Working Space, Add</i>	62.32 18.70	
26 05 33 13-2353		Flexible Conduit (26 05 33 13-0058)		
26 05 33 13-2354		Flexible Liquid Tight Metallic Conduit And Connectors (26 05 33 13-2353) Note: Steel inner core with PVC cover.		
26 05 33 13-2355		Flexible Liquid Tight Metallic Conduit (26 05 33 13-2354)		
26 05 33 13-2356	LF	3/8" Flexible Liquid Tight Metallic Conduit..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	4.64 0.97 0.48	1.28
26 05 33 13-2357	LF	1/2" Flexible Liquid Tight Metallic Conduit..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	4.85 0.97 0.48	1.28
26 05 33 13-2358	LF	3/4" Flexible Liquid Tight Metallic Conduit..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	6.50 1.29 0.64	1.71
26 05 33 13-2359	LF	1" Flexible Liquid Tight Metallic Conduit..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	7.63 1.29 0.64	1.71
26 05 33 13-2360	LF	1-1/4" Flexible Liquid Tight Metallic Conduit..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	9.91 1.61 0.80	2.15
26 05 33 13-2361	LF	1-1/2" Flexible Liquid Tight Metallic Conduit..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	12.82 1.93 0.97	2.58
26 05 33 13-2362	LF	2" Flexible Liquid Tight Metallic Conduit..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	16.84 2.57 1.29	3.43
26 05 33 13-2363	LF	2-1/2" Flexible Liquid Tight Metallic Conduit..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	23.30 2.90 1.45	3.86
26 05 33 13-2364	LF	3" Flexible Liquid Tight Metallic Conduit..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	34.73 3.54 1.77	4.72
26 05 33 13-2365	LF	4" Flexible Liquid Tight Metallic Conduit..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	47.76 4.50 2.25	6.01

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
26 05 33 13-2366 Straight Liquid Tight Connector (26 05 33 13-2354)

26 05 33 13-2367	EA 3/8" Straight Liquid Tight Connector	12.63	3.43
	For Work In Restricted Working Space, Add	2.57	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.57	
26 05 33 13-2368	EA 1/2" Straight Liquid Tight Connector	12.63	3.43
	For Work In Restricted Working Space, Add	2.57	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.57	
26 05 33 13-2369	EA 3/4" Straight Liquid Tight Connector	15.46	3.86
	For Work In Restricted Working Space, Add	2.90	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.90	
26 05 33 13-2370	EA 1" Straight Liquid Tight Connector	21.07	4.29
	For Work In Restricted Working Space, Add	3.22	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.22	
26 05 33 13-2371	EA 1-1/4" Straight Liquid Tight Connector	27.43	4.72
	For Work In Restricted Working Space, Add	3.54	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.54	
26 05 33 13-2372	EA 1-1/2" Straight Liquid Tight Connector	35.18	5.14
	For Work In Restricted Working Space, Add	3.86	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.86	
26 05 33 13-2373	EA 2" Straight Liquid Tight Connector	49.01	6.01
	For Work In Restricted Working Space, Add	4.50	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.50	
26 05 33 13-2374	EA 2-1/2" Straight Liquid Tight Connector	173.65	7.72
	For Work In Restricted Working Space, Add	5.79	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.79	
26 05 33 13-2375	EA 3" Straight Liquid Tight Connector	224.78	8.15
	For Work In Restricted Working Space, Add	6.11	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.11	
26 05 33 13-2376	EA 4" Straight Liquid Tight Connector	274.16	12.01
	For Work In Restricted Working Space, Add	9.01	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.01	

26 05 33 13-2377 90 Degree Angle Liquid Tight Connector (26 05 33 13-2354)

26 05 33 13-2378	EA 3/8" 90 Degree Angle Liquid Tight Connector	18.55	4.72
	For Work In Restricted Working Space, Add	3.54	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.54	
26 05 33 13-2379	EA 1/2" 90 Degree Angle Liquid Tight Connector	19.42	4.72
	For Work In Restricted Working Space, Add	3.54	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.54	
26 05 33 13-2380	EA 3/4" 90 Degree Angle Liquid Tight Connector	22.04	5.14
	For Work In Restricted Working Space, Add	3.86	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.86	
26 05 33 13-2381	EA 1" 90 Degree Angle Liquid Tight Connector	31.70	6.01
	For Work In Restricted Working Space, Add	4.50	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.50	
26 05 33 13-2382	EA 1-1/4" 90 Degree Angle Liquid Tight Connector	40.48	6.44
	For Work In Restricted Working Space, Add	4.82	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.82	
26 05 33 13-2383	EA 1-1/2" 90 Degree Angle Liquid Tight Connector	49.56	6.86
	For Work In Restricted Working Space, Add	5.15	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.15	
26 05 33 13-2384	EA 2" 90 Degree Angle Liquid Tight Connector	66.23	7.72
	For Work In Restricted Working Space, Add	5.79	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.79	
26 05 33 13-2385	EA 2-1/2" 90 Degree Angle Liquid Tight Connector	243.89	8.15
	For Work In Restricted Working Space, Add	6.11	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.11	
26 05 33 13-2386	EA 3" 90 Degree Angle Liquid Tight Connector	288.28	9.43
	For Work In Restricted Working Space, Add	7.08	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.08	
26 05 33 13-2387	EA 4" 90 Degree Angle Liquid Tight Connector	397.84	15.01
	For Work In Restricted Working Space, Add	11.26	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.26	

26 05 33 13-2388 45 Degree Angle Connector (26 05 33 13-2354)

26 05 33 13-2389	EA 3/8" 45 Degree Angle Liquid Tight Connector	18.26	4.72
	For Work In Restricted Working Space, Add	3.54	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.54	
26 05 33 13-2390	EA 1/2" 45 Degree Angle Liquid Tight Connector	18.46	4.72
	For Work In Restricted Working Space, Add	3.54	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.54	
26 05 33 13-2391	EA 3/4" 45 Degree Angle Liquid Tight Connector	22.04	5.14
	For Work In Restricted Working Space, Add	3.86	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.86	
26 05 33 13-2392	EA 1" 45 Degree Angle Liquid Tight Connector	34.07	6.01
	For Work In Restricted Working Space, Add	4.50	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.50	
26 05 33 13-2393	EA 1-1/4" 45 Degree Angle Liquid Tight Connector	38.94	6.44
	For Work In Restricted Working Space, Add	4.82	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.82	
26 05 33 13-2394	EA 1-1/2" 45 Degree Angle Liquid Tight Connector	43.81	6.86
	For Work In Restricted Working Space, Add	5.15	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.15	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2395			Flexible Metallic Conduit And Connectors (26 05 33 13-2395)		
26 05 33 13-2396			Flexible Steel Conduit (26 05 33 13-2395)		
26 05 33 13-2397	LF		3/8" Flexible Metallic Conduit.....	4.11	1.41
			For Installation In Wood Stud Wall (Includes Drilling), Add	0.86	
			For Installation In Metal Stud Wall, Add	0.34	
			For Work In Restricted Working Space, Add	1.03	
			For Flexible Aluminum Conduit, Add	0.11	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.52	
26 05 33 13-2398	LF		1/2" Flexible Metallic Conduit.....	4.25	1.41
			For Installation In Wood Stud Wall (Includes Drilling), Add	0.88	
			For Installation In Metal Stud Wall, Add	0.35	
			For Work In Restricted Working Space, Add	1.06	
			For Flexible Aluminum Conduit, Add	0.12	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.53	
26 05 33 13-2399	LF		3/4" Flexible Metallic Conduit.....	4.82	1.87
			For Installation In Wood Stud Wall (Includes Drilling), Add	0.96	
			For Installation In Metal Stud Wall, Add	0.38	
			For Work In Restricted Working Space, Add	1.15	
			For Flexible Aluminum Conduit, Add	0.17	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.57	
26 05 33 13-2400	LF		1" Flexible Metallic Conduit.....	5.98	1.87
			For Installation In Wood Stud Wall (Includes Drilling), Add	1.03	
			For Installation In Metal Stud Wall, Add	0.41	
			For Work In Restricted Working Space, Add	1.23	
			For Flexible Aluminum Conduit, Add	0.31	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.62	
26 05 33 13-2401	LF		1-1/4" Flexible Metallic Conduit.....	6.78	2.35
			For Installation In Wood Stud Wall (Includes Drilling), Add	1.09	
			For Installation In Metal Stud Wall, Add	0.43	
			For Work In Restricted Working Space, Add	1.30	
			For Flexible Aluminum Conduit, Add	0.40	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.65	
26 05 33 13-2402	LF		1-1/2" Flexible Metallic Conduit.....	8.79	2.82
			For Installation In Wood Stud Wall (Includes Drilling), Add	1.13	
			For Installation In Metal Stud Wall, Add	0.45	
			For Work In Restricted Working Space, Add	1.36	
			For Flexible Aluminum Conduit, Add	0.70	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.68	
26 05 33 13-2403	LF		2" Flexible Metallic Conduit.....	9.93	3.76
			For Installation In Wood Stud Wall (Includes Drilling), Add	1.17	
			For Installation In Metal Stud Wall, Add	0.47	
			For Work In Restricted Working Space, Add	1.41	
			For Flexible Aluminum Conduit, Add	0.86	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.70	
26 05 33 13-2404	LF		2-1/2" Flexible Steel Conduit.....	12.21	4.23
			For Installation In Wood Stud Wall (Includes Drilling), Add	1.47	
			For Installation In Metal Stud Wall, Add	0.59	
			For Work In Restricted Working Space, Add	1.76	
			For Flexible Aluminum Conduit, Add	1.05	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.88	
26 05 33 13-2405	LF		3" Flexible Metallic Conduit.....	18.07	5.16
			For Installation In Wood Stud Wall (Includes Drilling), Add	1.76	
			For Installation In Metal Stud Wall, Add	0.71	
			For Work In Restricted Working Space, Add	2.12	
			For Flexible Aluminum Conduit, Add	1.82	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.06	
26 05 33 13-2406	LF		3-1/2" Flexible Metallic Conduit.....	22.11	5.63
			For Installation In Wood Stud Wall (Includes Drilling), Add	2.06	
			For Installation In Metal Stud Wall, Add	0.82	
			For Work In Restricted Working Space, Add	2.47	
			For Flexible Aluminum Conduit, Add	2.29	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.23	
26 05 33 13-2407	LF		4" Flexible Metallic Conduit.....	25.42	6.58
			For Installation In Wood Stud Wall (Includes Drilling), Add	2.35	
			For Installation In Metal Stud Wall, Add	0.94	
			For Work In Restricted Working Space, Add	2.82	
			For Flexible Aluminum Conduit, Add	2.64	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.41	
26 05 33 13-2408			Plain Squeeze Type Straight Connector (26 05 33 13-2395)		
26 05 33 13-2409	EA		3/8" Flexible Straight Connectors, Plain.....	6.97	3.76
			For Work In Restricted Working Space, Add	1.58	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.58	
26 05 33 13-2410	EA		1/2" Flexible Straight Connectors, Plain.....	8.55	4.23
			For Work In Restricted Working Space, Add	1.76	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.76	
26 05 33 13-2411	EA		3/4" Flexible Straight Connectors, Plain.....	9.88	5.16
			For Work In Restricted Working Space, Add	2.12	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.12	
26 05 33 13-2412	EA		1" Flexible Straight Connectors, Plain.....	15.60	5.63
			For Work In Restricted Working Space, Add	2.82	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.82	
26 05 33 13-2413	EA		1-1/4" Flexible Straight Connectors, Plain.....	21.90	6.58
			For Work In Restricted Working Space, Add	3.52	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.52	
26 05 33 13-2414	EA		1-1/2" Flexible Straight Connectors, Plain.....	28.78	7.98
			For Work In Restricted Working Space, Add	4.40	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.40	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-2415	EA	2" Flexible Straight Connectors, Plain.....	37.67	7.98
		<i>For Work In Restricted Working Space, Add</i>	5.28	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.28	
26 05 33 13-2416	EA	2-1/2" Flexible Straight Connectors, Plain	59.96	9.86
		<i>For Work In Restricted Working Space, Add</i>	6.16	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.16	
26 05 33 13-2417	EA	3" Flexible Straight Connectors, Plain.....	78.11	10.79
		<i>For Work In Restricted Working Space, Add</i>	7.04	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.04	
26 05 33 13-2418	EA	3-1/2" Flexible Straight Connectors, Plain	237.73	12.68
		<i>For Work In Restricted Working Space, Add</i>	7.92	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.92	
26 05 33 13-2419	EA	4" Flexible Straight Connectors, Plain.....	296.70	15.50
		<i>For Work In Restricted Working Space, Add</i>	8.81	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.81	

26 05 33 13-2420 Insulated Throat Squeeze Type Straight Connector (26 05 33 13-2395)

26 05 33 13-2421	EA	1/2" Flexible Straight Connectors, Insulated	9.48	4.23
		<i>For Work In Restricted Working Space, Add</i>	1.76	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.76	
26 05 33 13-2422	EA	3/4" Flexible Straight Connectors, Insulated	11.09	5.16
		<i>For Work In Restricted Working Space, Add</i>	2.12	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.12	
26 05 33 13-2423	EA	1" Flexible Straight Connectors, Insulated	17.25	5.63
		<i>For Work In Restricted Working Space, Add</i>	2.82	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.82	
26 05 33 13-2424	EA	1-1/4" Flexible Straight Connectors, Insulated	24.93	6.58
		<i>For Work In Restricted Working Space, Add</i>	3.52	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.52	
26 05 33 13-2425	EA	1-1/2" Flexible Straight Connectors, Insulated	34.17	7.05
		<i>For Work In Restricted Working Space, Add</i>	4.40	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.40	
26 05 33 13-2426	EA	2" Flexible Straight Connectors, Insulated	47.20	7.98
		<i>For Work In Restricted Working Space, Add</i>	5.28	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.28	
26 05 33 13-2427	EA	2-1/2" Flexible Straight Connectors, Insulated	80.33	9.86
		<i>For Work In Restricted Working Space, Add</i>	6.16	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.16	
26 05 33 13-2428	EA	3" Flexible Straight Connectors, Insulated	102.14	10.79
		<i>For Work In Restricted Working Space, Add</i>	7.04	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.04	
26 05 33 13-2429	EA	3-1/2" Flexible Straight Connectors, Insulated	274.76	12.68
		<i>For Work In Restricted Working Space, Add</i>	7.92	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.92	
26 05 33 13-2430	EA	4" Flexible Straight Connectors, Insulated	352.37	15.50
		<i>For Work In Restricted Working Space, Add</i>	8.81	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.81	

26 05 33 13-2431 Plain Squeeze Type 90 Degree Connector (26 05 33 13-2395)

26 05 33 13-2432	EA	3/8" Flexible 90 Degree Connector, Plain	9.76	4.69
		<i>For Work In Restricted Working Space, Add</i>	2.12	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.12	
26 05 33 13-2433	EA	1/2" Flexible 90 Degree Connector, Plain	12.75	5.16
		<i>For Work In Restricted Working Space, Add</i>	2.47	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.47	
26 05 33 13-2434	EA	3/4" Flexible 90 Degree Connector, Plain	16.49	5.63
		<i>For Work In Restricted Working Space, Add</i>	2.82	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.82	
26 05 33 13-2435	EA	1" Flexible 90 Degree Connector, Plain	22.94	6.58
		<i>For Work In Restricted Working Space, Add</i>	3.52	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.52	
26 05 33 13-2436	EA	1-1/4" Flexible 90 Degree Connector, Plain	35.34	7.05
		<i>For Work In Restricted Working Space, Add</i>	4.22	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.22	
26 05 33 13-2437	EA	1-1/2" Flexible 90 Degree Connector, Plain	54.77	8.22
		<i>For Work In Restricted Working Space, Add</i>	5.28	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.28	
26 05 33 13-2438	EA	2" Flexible 90 Degree Connector, Plain	65.92	10.09
		<i>For Work In Restricted Working Space, Add</i>	5.99	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.99	
26 05 33 13-2439	EA	2-1/2" Flexible 90 Degree Connector, Plain	143.26	10.79
		<i>For Work In Restricted Working Space, Add</i>	7.04	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.04	
26 05 33 13-2440	EA	3" Flexible 90 Degree Connector, Plain	183.68	12.68
		<i>For Work In Restricted Working Space, Add</i>	7.92	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.92	
26 05 33 13-2441	EA	3-1/2" Flexible 90 Degree Connector, Plain	386.99	15.50
		<i>For Work In Restricted Working Space, Add</i>	8.81	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.81	
26 05 33 13-2442	EA	4" Flexible 90 Degree Connector, Plain	689.65	17.61
		<i>For Work In Restricted Working Space, Add</i>	10.56	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.56	

26 05 33 13-2443 Insulated Throat Squeeze Type 90 Degree Connector (26 05 33 13-2395)

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2444	EA	1/2" Flexible 90 Degree Connector, Insulated	14.04	5.16
		For Work In Restricted Working Space, Add	2.47	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.47	
26 05 33 13-2445	EA	3/4" Flexible 90 Degree Connector, Insulated	18.07	5.63
		For Work In Restricted Working Space, Add	2.82	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.82	
26 05 33 13-2446	EA	1" Flexible 90 Degree Connector, Insulated	22.94	6.58
		For Work In Restricted Working Space, Add	3.52	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.52	
26 05 33 13-2447	EA	1-1/4" Flexible 90 Degree Connector, Insulated	40.97	7.05
		For Work In Restricted Working Space, Add	4.22	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.22	
26 05 33 13-2448	EA	1-1/2" Flexible 90 Degree Connector, Insulated	64.98	8.22
		For Work In Restricted Working Space, Add	5.28	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.28	
26 05 33 13-2449	EA	2" Flexible 90 Degree Connector, Insulated	82.51	10.09
		For Work In Restricted Working Space, Add	5.99	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.99	
26 05 33 13-2450	EA	2-1/2" Flexible 90 Degree Connector, Insulated	195.15	10.79
		For Work In Restricted Working Space, Add	7.04	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.04	
26 05 33 13-2451	EA	3" Flexible 90 Degree Connector, Insulated	239.89	12.68
		For Work In Restricted Working Space, Add	7.92	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.92	
26 05 33 13-2452	EA	3-1/2" Flexible 90 Degree Connector, Insulated	641.76	15.50
		For Work In Restricted Working Space, Add	8.81	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.81	
26 05 33 13-2453	EA	4" Flexible 90 Degree Connector, Insulated	956.49	17.61
		For Work In Restricted Working Space, Add	10.56	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.56	
26 05 33 13-2454 Plain Squeeze Type 45 Degree Connector (26 05 33 13-2395)				
26 05 33 13-2455	EA	3/8" Flexible 45 Degree Connector, Plain	10.79	4.69
		For Work In Restricted Working Space, Add	2.12	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.12	
26 05 33 13-2456	EA	1/2" Flexible 45 Degree Connector, Plain	14.41	5.16
		For Work In Restricted Working Space, Add	2.47	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.47	
26 05 33 13-2457	EA	3/4" Flexible 45 Degree Connector, Plain	18.34	5.63
		For Work In Restricted Working Space, Add	2.82	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.82	
26 05 33 13-2458 Insulated Squeeze Type 45 Degree Connector (26 05 33 13-2395)				
26 05 33 13-2459	EA	3/8" Flexible 45 Degree Connector, Insulated	11.51	5.63
		For Work In Restricted Working Space, Add	2.12	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.12	
26 05 33 13-2460	EA	1/2" Flexible 45 Degree Connector, Insulated	15.58	5.16
		For Work In Restricted Working Space, Add	2.47	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.47	
26 05 33 13-2461	EA	3/4" Flexible 45 Degree Connector, Insulated	20.00	5.63
		For Work In Restricted Working Space, Add	2.82	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.82	
26 05 33 13-2462 Plain Screw-In Connector (26 05 33 13-2395)				
26 05 33 13-2463	EA	3/8" Flexible Steel Screw-in Connector, Plain	5.90	3.76
		For Work In Restricted Working Space, Add	1.58	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.58	
26 05 33 13-2464	EA	1/2" Flexible Steel Screw-in Connector, Plain	6.39	4.23
		For Work In Restricted Working Space, Add	1.76	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.76	
26 05 33 13-2465	EA	3/4" Flexible Steel Screw-in Connector, Plain	8.10	5.16
		For Work In Restricted Working Space, Add	2.12	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.12	
26 05 33 13-2466	EA	1" Flexible Steel Screw-in Connector, Plain	11.51	5.63
		For Work In Restricted Working Space, Add	2.82	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.82	
26 05 33 13-2467	EA	1-1/4" Flexible Steel Screw-in Connector, Plain	16.69	6.58
		For Work In Restricted Working Space, Add	3.52	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.52	
26 05 33 13-2468	EA	1-1/2" Flexible Steel Screw-in Connector, Plain	20.44	7.05
		For Work In Restricted Working Space, Add	4.40	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.40	
26 05 33 13-2469	EA	2" Flexible Steel Screw-in Connector, Plain	29.59	7.98
		For Work In Restricted Working Space, Add	5.28	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.28	
26 05 33 13-2470 Insulated Screw-In Connector (26 05 33 13-2395)				
26 05 33 13-2471	EA	3/8" Flexible Steel Screw-in Connector, Insulated	6.21	3.76
		For Work In Restricted Working Space, Add	1.58	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.58	
26 05 33 13-2472	EA	1/2" Flexible Steel Screw-in Connector, Insulated	6.63	4.23
		For Work In Restricted Working Space, Add	1.76	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.76	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
26 05 33 13-2473	EA 3/4" Flexible Steel Screw-in Connector, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.73 2.12 2.12		5.16	
26 05 33 13-2474	EA 1" Flexible Steel Screw-in Connector, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.47 2.82 2.82		5.63	
26 05 33 13-2475	EA 1-1/4" Flexible Steel Screw-in Connector, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.06 3.52 3.52		6.58	
26 05 33 13-2476	EA 1-1/2" Flexible Steel Screw-in Connector, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.08 4.40 4.40		7.05	
26 05 33 13-2477	EA 2" Flexible Steel Screw-in Connector, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.03 5.28 5.28		7.98	
26 05 33 13-2478 Screw-In Coupling (26 05 33 13-2395)					
26 05 33 13-2479	EA 1/2" Flexible Steel Screw-in Coupling <i>For Work In Restricted Working Space, Add</i>	6.99 1.76		4.23	
26 05 33 13-2480	EA 3/4" Flexible Steel Screw-in Coupling <i>For Work In Restricted Working Space, Add</i>	9.09 2.12		5.16	
26 05 33 13-2481 Flexible To Electrical Metallic Tubing (EMT) Coupling (26 05 33 13-2395)					
26 05 33 13-2482	EA 3/8" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling <i>For Work In Restricted Working Space, Add</i>	9.09 1.58		3.76	
26 05 33 13-2483	EA 1/2" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling <i>For Work In Restricted Working Space, Add</i>	12.22 1.76		4.23	
26 05 33 13-2484	EA 3/4" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling <i>For Work In Restricted Working Space, Add</i>	16.08 2.12		5.16	
26 05 33 13-2485 Die Cast Squeeze Type Straight Connector (26 05 33 13-2395)					
26 05 33 13-2486	EA 3/8" Flexible Straight Connector, Die Cast <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.10 1.58 1.58		3.76	
26 05 33 13-2487	EA 1/2" Flexible Straight Connector, Die Cast <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.89 1.76 1.76		4.23	
26 05 33 13-2488	EA 3/4" Flexible Straight Connector, Die Cast <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.53 2.12 2.12		5.16	
26 05 33 13-2489	EA 1" Flexible Straight Connector, Die Cast <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.68 2.82 2.82		5.63	
26 05 33 13-2490	EA 1-1/4" Flexible Straight Connector, Die Cast <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.99 3.52 3.52		6.58	
26 05 33 13-2491	EA 1-1/2" Flexible Straight Connector, Die Cast <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.90 4.40 4.40		7.05	
26 05 33 13-2492	EA 2" Flexible Straight Connector, Die Cast <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.46 5.28 5.28		7.98	
26 05 33 13-2493 Die Cast Squeeze Type 90 Degree Connector (26 05 33 13-2395)					
26 05 33 13-2494	EA 3/8" Flexible 90 Degree Connector, Die Cast <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.09 2.12 2.12		4.69	
26 05 33 13-2495	EA 1/2" Flexible 90 Degree Connector, Die Cast <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.96 2.47 2.47		5.16	
26 05 33 13-2496	EA 3/4" Flexible 90 Degree Connector, Die Cast <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.02 2.82 2.82		5.63	
26 05 33 13-2497	EA 1" Flexible 90 Degree Connector, Die Cast <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.69 3.52 3.52		6.58	
26 05 33 13-2498	EA 1-1/4" Flexible 90 Degree Connector, Die Cast <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.22 4.22 4.22		7.05	
26 05 33 13-2499	EA 1-1/2" Flexible 90 Degree Connector, Die Cast <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.26 5.28 5.28		8.22	
26 05 33 13-2500	EA 2" Flexible 90 Degree Connector, Die Cast <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.02 5.99 5.99		10.09	
26 05 33 13-2501 Flexible Liquid Tight Non-Metallic Conduit And Connectors (26 05 33 13-2353)					
26 05 33 13-2502 Flexible Liquid Tight Non-Metallic Conduit (26 05 33 13-2501)					
26 05 33 13-2503	LF 3/8" Flexible Liquid Tight Non-Metallic Conduit <i>For Work In Restricted Working Space, Add</i>	4.13 0.97		1.28	
26 05 33 13-2504	LF 1/2" Flexible Liquid Tight Non-Metallic Conduit <i>For Work In Restricted Working Space, Add</i>	4.21 0.97		1.28	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2505	LF	3/4" Flexible Liquid Tight Non-Metallic Conduit	5.66	1.71
		For Work In Restricted Working Space, Add	1.29	
26 05 33 13-2506	LF	1" Flexible Liquid Tight Non-Metallic Conduit	7.06	1.71
		For Work In Restricted Working Space, Add	1.29	
26 05 33 13-2507	LF	1-1/4" Flexible Liquid Tight Non-Metallic Conduit	8.96	2.15
		For Work In Restricted Working Space, Add	1.61	
26 05 33 13-2508	LF	1-1/2" Flexible Liquid Tight Non-Metallic Conduit	11.45	2.58
		For Work In Restricted Working Space, Add	1.93	
26 05 33 13-2509	LF	2" Flexible Liquid Tight Non-Metallic Conduit	14.69	3.43
		For Work In Restricted Working Space, Add	2.57	
26 05 33 13-2510 Liquid Tight Non-Metallic Straight Connector (26 05 33 13-2501)				
26 05 33 13-2511	EA	3/8" Liquid Tight Non-Metallic Straight Connector	11.95	3.43
		For Work In Restricted Working Space, Add	2.57	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.57	
26 05 33 13-2512	EA	1/2" Liquid Tight Non-Metallic Straight Connector	11.95	3.43
		For Work In Restricted Working Space, Add	2.57	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.57	
26 05 33 13-2513	EA	3/4" Liquid Tight Non-Metallic Straight Connector	14.65	3.86
		For Work In Restricted Working Space, Add	2.90	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.90	
26 05 33 13-2514	EA	1" Liquid Tight Non-Metallic Straight Connector	18.21	4.29
		For Work In Restricted Working Space, Add	3.22	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.22	
26 05 33 13-2515	EA	1-1/4" Liquid Tight Non-Metallic Straight Connector	25.23	4.72
		For Work In Restricted Working Space, Add	3.54	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.54	
26 05 33 13-2516	EA	1-1/2" Liquid Tight Non-Metallic Straight Connector	31.58	5.14
		For Work In Restricted Working Space, Add	3.86	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.86	
26 05 33 13-2517	EA	2" Liquid Tight Non-Metallic Straight Connector	49.34	6.01
		For Work In Restricted Working Space, Add	4.50	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.50	
26 05 33 13-2518 Liquid Tight Non-Metallic 90 Degree Angle Connector (26 05 33 13-2501)				
26 05 33 13-2519	EA	3/8" Liquid Tight Non-Metallic 90 Degree Angle Connector	17.27	4.72
		For Work In Restricted Working Space, Add	3.54	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.54	
26 05 33 13-2520	EA	1/2" Liquid Tight Non-Metallic 90 Degree Angle Connector	17.27	4.72
		For Work In Restricted Working Space, Add	3.54	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.54	
26 05 33 13-2521	EA	3/4" Liquid Tight Non-Metallic 90 Degree Angle Connector	21.29	5.14
		For Work In Restricted Working Space, Add	3.86	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.86	
26 05 33 13-2522	EA	1" Liquid Tight Non-Metallic 90 Degree Angle Connector	30.23	6.01
		For Work In Restricted Working Space, Add	4.50	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.50	
26 05 33 13-2523	EA	1-1/4" Liquid Tight Non-Metallic 90 Degree Angle Connector	31.22	6.44
		For Work In Restricted Working Space, Add	4.82	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.82	
26 05 33 13-2524	EA	1-1/2" Liquid Tight Non-Metallic 90 Degree Angle Connector	49.62	6.86
		For Work In Restricted Working Space, Add	5.15	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.15	
26 05 33 13-2525	EA	2" Liquid Tight Non-Metallic 90 Degree Angle Connector	66.81	7.72
		For Work In Restricted Working Space, Add	5.79	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.79	
26 05 33 13-2526 Liquid Tight Non-Metallic 45 Degree Angle Connector (26 05 33 13-2501)				
26 05 33 13-2527	EA	3/8" Liquid Tight Non-Metallic 45 Degree Angle Connector	17.27	4.72
		For Work In Restricted Working Space, Add	3.54	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.54	
26 05 33 13-2528	EA	1/2" Liquid Tight Non-Metallic 45 Degree Angle Connector	17.27	4.72
		For Work In Restricted Working Space, Add	3.54	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.54	
26 05 33 13-2529	EA	3/4" Liquid Tight Non-Metallic 45 Degree Angle Connector	21.29	5.14
		For Work In Restricted Working Space, Add	3.86	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.86	
26 05 33 13-2530	EA	1" Liquid Tight Non-Metallic 45 Degree Angle Connector	30.23	6.01
		For Work In Restricted Working Space, Add	4.50	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.50	
26 05 33 13-2531	EA	1-1/4" Liquid Tight Non-Metallic 45 Degree Angle Connector	31.22	6.44
		For Work In Restricted Working Space, Add	4.82	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.82	
26 05 33 13-2532	EA	1-1/2" Liquid Tight Non-Metallic 45 Degree Angle Connector	49.62	6.86
		For Work In Restricted Working Space, Add	5.15	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.15	
26 05 33 13-2533	EA	2" Liquid Tight Non-Metallic 45 Degree Angle Connector	66.81	7.72
		For Work In Restricted Working Space, Add	5.79	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.79	
26 05 33 13-2534		Blue ENT Electrical Non-Metallic Tubing (26 05 33 13-2353)		
		Note: Carlon - FLEX-PLUS.		
26 05 33 13-2535		Blue ENT Electrical Non-Metallic Tubing (26 05 33 13-2534)		

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-2536	LF	1/2" Blue ENT Electrical Non-Metallic Tubing.....	5.19	1.41
		<i>For Work In Restricted Working Space, Add</i>	1.06	
26 05 33 13-2537	LF	3/4" Blue ENT Electrical Non-Metallic Tubing.....	7.02	1.87
		<i>For Work In Restricted Working Space, Add</i>	1.41	
26 05 33 13-2538	LF	1" Blue ENT Electrical Non-Metallic Tubing.....	8.45	1.87
		<i>For Work In Restricted Working Space, Add</i>	1.41	

26 05 33 13-2539 Terminal Adapter (26 05 33 13-2534)

26 05 33 13-2540	EA	1/2" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing.....	12.14	3.76
		<i>For Work In Restricted Working Space, Add</i>	2.82	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.82	
26 05 33 13-2541	EA	3/4" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing.....	15.57	4.23
		<i>For Work In Restricted Working Space, Add</i>	3.17	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.17	
26 05 33 13-2542	EA	1" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing.....	18.19	4.69
		<i>For Work In Restricted Working Space, Add</i>	3.52	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.52	

26 05 33 13-2543 Coupling (26 05 33 13-2534)

26 05 33 13-2544	EA	1/2" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing.....	11.78	3.76
		<i>For Work In Restricted Working Space, Add</i>	2.82	
26 05 33 13-2545	EA	3/4" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing.....	13.66	4.23
		<i>For Work In Restricted Working Space, Add</i>	3.17	
26 05 33 13-2546	EA	1" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing.....	16.40	4.69
		<i>For Work In Restricted Working Space, Add</i>	3.52	

26 05 33 13-2547 Metallic Conduit Bodies (26 05 33 13-0058)**26 05 33 13-2548 Threaded, Cast Aluminum Conduit Body** (26 05 33 13-2547)

Note: For use with Rigid Galvanized Steel (RGS), Galvanized Rigid Steel Conduit (GRC), Intermediate Metal Conduit (IMC), or Aluminum Rigid Conduit (ARC)

26 05 33 13-2549 Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover (26 05 33 13-2548)

26 05 33 13-2550	EA	1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	59.90	20.58
		<i>For Work In Restricted Working Space, Add</i>	15.44	
		<i>For Mogul LB, Add</i>	3.74	
		<i>For Elevated Installation >10' To 15', Add</i>	5.15	
		<i>For Elevated Installation >15' To 20', Add</i>	10.30	
		<i>For Elevated Installation >20' To 25', Add</i>	12.87	
		<i>For Elevated Installation >25' To 30', Add</i>	18.02	
		<i>For Elevated Installation >30' To 35', Add</i>	20.59	
		<i>For Elevated Installation >35' To 40', Add</i>	25.74	
		<i>For Elevated Installation >40', Add</i>	28.31	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.44	
26 05 33 13-2551	EA	3/4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	70.40	23.59
		<i>For Work In Restricted Working Space, Add</i>	17.69	
		<i>For Mogul LB, Add</i>	5.62	
		<i>For Elevated Installation >10' To 15', Add</i>	5.90	
		<i>For Elevated Installation >15' To 20', Add</i>	11.79	
		<i>For Elevated Installation >20' To 25', Add</i>	14.74	
		<i>For Elevated Installation >25' To 30', Add</i>	20.64	
		<i>For Elevated Installation >30' To 35', Add</i>	23.59	
		<i>For Elevated Installation >35' To 40', Add</i>	29.49	
		<i>For Elevated Installation >40', Add</i>	32.43	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.69	
26 05 33 13-2552	EA	1" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	84.90	27.45
		<i>For Work In Restricted Working Space, Add</i>	20.59	
		<i>For Mogul LB, Add</i>	8.77	
		<i>For Elevated Installation >10' To 15', Add</i>	6.86	
		<i>For Elevated Installation >15' To 20', Add</i>	13.73	
		<i>For Elevated Installation >20' To 25', Add</i>	17.16	
		<i>For Elevated Installation >25' To 30', Add</i>	24.02	
		<i>For Elevated Installation >30' To 35', Add</i>	27.45	
		<i>For Elevated Installation >35' To 40', Add</i>	34.32	
		<i>For Elevated Installation >40', Add</i>	37.75	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.59	
26 05 33 13-2553	EA	1-1/4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	102.58	31.31
		<i>For Work In Restricted Working Space, Add</i>	23.48	
		<i>For Mogul LB, Add</i>	14.31	
		<i>For Elevated Installation >10' To 15', Add</i>	7.83	
		<i>For Elevated Installation >15' To 20', Add</i>	15.66	
		<i>For Elevated Installation >20' To 25', Add</i>	19.57	
		<i>For Elevated Installation >25' To 30', Add</i>	27.40	
		<i>For Elevated Installation >30' To 35', Add</i>	31.31	
		<i>For Elevated Installation >35' To 40', Add</i>	39.14	
		<i>For Elevated Installation >40', Add</i>	43.05	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.48	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2554	EA	1-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	117.13	34.31
		For Work In Restricted Working Space, Add	25.73	
		For Mogul LB, Add	19.22	
		For Elevated Installation >10' To 15', Add	8.58	
		For Elevated Installation >15' To 20', Add	17.16	
		For Elevated Installation >20' To 25', Add	21.45	
		For Elevated Installation >25' To 30', Add	30.02	
		For Elevated Installation >30' To 35', Add	34.31	
		For Elevated Installation >35' To 40', Add	42.89	
		For Elevated Installation >40', Add	47.18	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.73	
26 05 33 13-2555	EA	2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	153.58	41.18
		For Work In Restricted Working Space, Add	30.88	
		For Mogul LB, Add	32.83	
		For Elevated Installation >10' To 15', Add	10.29	
		For Elevated Installation >15' To 20', Add	20.59	
		For Elevated Installation >20' To 25', Add	25.74	
		For Elevated Installation >25' To 30', Add	36.03	
		For Elevated Installation >30' To 35', Add	41.18	
		For Elevated Installation >35' To 40', Add	51.47	
		For Elevated Installation >40', Add	56.62	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.88	
26 05 33 13-2556	EA	2-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	256.84	57.90
		For Work In Restricted Working Space, Add	43.43	
		For Mogul LB, Add	76.82	
		For Elevated Installation >10' To 15', Add	14.48	
		For Elevated Installation >15' To 20', Add	28.95	
		For Elevated Installation >20' To 25', Add	36.19	
		For Elevated Installation >25' To 30', Add	50.67	
		For Elevated Installation >30' To 35', Add	57.90	
		For Elevated Installation >35' To 40', Add	72.38	
		For Elevated Installation >40', Add	79.62	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	43.43	
26 05 33 13-2557	EA	3" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	337.74	77.20
		For Work In Restricted Working Space, Add	57.91	
		For Mogul LB, Add	98.89	
		For Elevated Installation >10' To 15', Add	19.30	
		For Elevated Installation >15' To 20', Add	38.60	
		For Elevated Installation >20' To 25', Add	48.26	
		For Elevated Installation >25' To 30', Add	67.56	
		For Elevated Installation >30' To 35', Add	77.21	
		For Elevated Installation >35' To 40', Add	96.51	
		For Elevated Installation >40', Add	106.16	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	57.91	
26 05 33 13-2558	EA	3-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	448.24	96.50
		For Work In Restricted Working Space, Add	72.38	
		For Mogul LB, Add	143.16	
		For Elevated Installation >10' To 15', Add	24.13	
		For Elevated Installation >15' To 20', Add	48.25	
		For Elevated Installation >20' To 25', Add	60.32	
		For Elevated Installation >25' To 30', Add	84.44	
		For Elevated Installation >30' To 35', Add	96.51	
		For Elevated Installation >35' To 40', Add	120.64	
		For Elevated Installation >40', Add	132.70	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	72.38	
26 05 33 13-2559	EA	4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	581.41	117.53
		For Work In Restricted Working Space, Add	88.14	
		For Mogul LB, Add	201.01	
		For Elevated Installation >10' To 15', Add	29.38	
		For Elevated Installation >15' To 20', Add	58.76	
		For Elevated Installation >20' To 25', Add	73.45	
		For Elevated Installation >25' To 30', Add	102.83	
		For Elevated Installation >30' To 35', Add	117.52	
		For Elevated Installation >35' To 40', Add	146.91	
		For Elevated Installation >40', Add	161.60	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	88.14	
26 05 33 13-2560		Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover (26 05 33 13-2548)		
26 05 33 13-2561	EA	1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	60.92	20.58
		For Work In Restricted Working Space, Add	15.44	
		For Mogul LB, Add	4.51	
		For Elevated Installation >10' To 15', Add	5.15	
		For Elevated Installation >15' To 20', Add	10.30	
		For Elevated Installation >20' To 25', Add	12.87	
		For Elevated Installation >25' To 30', Add	18.02	
		For Elevated Installation >30' To 35', Add	20.59	
		For Elevated Installation >35' To 40', Add	25.74	
		For Elevated Installation >40', Add	28.31	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.44	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 05 33 13-2562	EA 3/4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	71.40		23.59
	For Work In Restricted Working Space, Add	17.69		
	For Mogul LB, Add	6.37		
	For Elevated Installation >10' To 15', Add	5.90		
	For Elevated Installation >15' To 20', Add	11.79		
	For Elevated Installation >20' To 25', Add	14.74		
	For Elevated Installation >25' To 30', Add	20.64		
	For Elevated Installation >30' To 35', Add	23.59		
	For Elevated Installation >35' To 40', Add	29.49		
	For Elevated Installation >40', Add	32.43		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.69		
26 05 33 13-2563	EA 1" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	86.92		27.45
	For Work In Restricted Working Space, Add	20.59		
	For Mogul LB, Add	10.29		
	For Elevated Installation >10' To 15', Add	6.86		
	For Elevated Installation >15' To 20', Add	13.73		
	For Elevated Installation >20' To 25', Add	17.16		
	For Elevated Installation >25' To 30', Add	24.02		
	For Elevated Installation >30' To 35', Add	27.45		
	For Elevated Installation >35' To 40', Add	34.32		
	For Elevated Installation >40', Add	37.75		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.59		
26 05 33 13-2564	EA 1-1/4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	105.03		31.31
	For Work In Restricted Working Space, Add	23.48		
	For Mogul LB, Add	16.15		
	For Elevated Installation >10' To 15', Add	7.83		
	For Elevated Installation >15' To 20', Add	15.66		
	For Elevated Installation >20' To 25', Add	19.57		
	For Elevated Installation >25' To 30', Add	27.40		
	For Elevated Installation >30' To 35', Add	31.31		
	For Elevated Installation >35' To 40', Add	39.14		
	For Elevated Installation >40', Add	43.05		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.48		
26 05 33 13-2565	EA 1-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	121.31		34.31
	For Work In Restricted Working Space, Add	25.73		
	For Mogul LB, Add	22.36		
	For Elevated Installation >10' To 15', Add	8.58		
	For Elevated Installation >15' To 20', Add	17.16		
	For Elevated Installation >20' To 25', Add	21.45		
	For Elevated Installation >25' To 30', Add	30.02		
	For Elevated Installation >30' To 35', Add	34.31		
	For Elevated Installation >35' To 40', Add	42.89		
	For Elevated Installation >40', Add	47.18		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.73		
26 05 33 13-2566	EA 2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	162.54		41.18
	For Work In Restricted Working Space, Add	30.88		
	For Mogul LB, Add	39.55		
	For Elevated Installation >10' To 15', Add	10.29		
	For Elevated Installation >15' To 20', Add	20.59		
	For Elevated Installation >20' To 25', Add	25.74		
	For Elevated Installation >25' To 30', Add	36.03		
	For Elevated Installation >30' To 35', Add	41.18		
	For Elevated Installation >35' To 40', Add	51.47		
	For Elevated Installation >40', Add	56.62		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.88		
26 05 33 13-2567	EA 2-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	252.33		57.90
	For Work In Restricted Working Space, Add	43.43		
	For Mogul LB, Add	73.44		
	For Elevated Installation >10' To 15', Add	14.48		
	For Elevated Installation >15' To 20', Add	28.95		
	For Elevated Installation >20' To 25', Add	36.19		
	For Elevated Installation >25' To 30', Add	50.67		
	For Elevated Installation >30' To 35', Add	57.90		
	For Elevated Installation >35' To 40', Add	72.38		
	For Elevated Installation >40', Add	79.62		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	43.43		
26 05 33 13-2568	EA 3" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	322.55		77.20
	For Work In Restricted Working Space, Add	57.91		
	For Mogul LB, Add	87.50		
	For Elevated Installation >10' To 15', Add	19.30		
	For Elevated Installation >15' To 20', Add	38.60		
	For Elevated Installation >20' To 25', Add	48.26		
	For Elevated Installation >25' To 30', Add	67.56		
	For Elevated Installation >30' To 35', Add	77.21		
	For Elevated Installation >35' To 40', Add	96.51		
	For Elevated Installation >40', Add	106.16		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	57.91		
26 05 33 13-2569	EA 3-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	461.19		96.50
	For Work In Restricted Working Space, Add	72.38		
	For Mogul LB, Add	152.88		
	For Elevated Installation >10' To 15', Add	24.13		
	For Elevated Installation >15' To 20', Add	48.25		
	For Elevated Installation >20' To 25', Add	60.32		
	For Elevated Installation >25' To 30', Add	84.44		
	For Elevated Installation >30' To 35', Add	96.51		
	For Elevated Installation >35' To 40', Add	120.64		
	For Elevated Installation >40', Add	132.70		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	72.38		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2570	EA	4"	Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover For Work In Restricted Working Space, Add For Mogul LB, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	607.87 88.14 220.85 29.38 58.76 73.45 102.83 117.52 146.91 161.60 88.14	117.53
26 05 33 13-2571			Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover ^(26 05 33 13-2548)		
26 05 33 13-2572	EA	3/4"	Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	70.13 17.69 5.90 11.79 14.74 20.64 23.59 29.49 32.43 17.69	23.59
26 05 33 13-2573	EA	3/4"	Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	83.00 20.59 6.86 13.73 17.16 24.02 27.45 34.32 37.75 20.59	27.45
26 05 33 13-2574	EA	1"	Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	95.40 22.52 7.51 15.01 18.77 26.27 30.02 37.53 41.28 22.52	30.03
26 05 33 13-2575	EA	1-1/4"	Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	116.61 25.73 8.58 17.16 21.45 30.02 34.31 42.89 47.18 25.73	34.31
26 05 33 13-2576	EA	1-1/2"	Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	134.43 28.31 9.44 18.87 23.59 33.03 37.75 47.19 51.90 28.31	37.75
26 05 33 13-2577	EA	2"	Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	178.98 33.14 11.05 22.09 27.61 38.66 44.18 55.23 60.75 33.14	44.18
26 05 33 13-2578	EA	2-1/2"	Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	281.92 48.25 16.08 32.17 40.21 56.29 64.34 80.42 88.46 48.25	64.34

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-2579	EA	3" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	364.32	83.64
		For Work In Restricted Working Space, Add	62.73	
		For Elevated Installation >10' To 15', Add	20.91	
		For Elevated Installation >15' To 20', Add	41.82	
		For Elevated Installation >20' To 25', Add	52.28	
		For Elevated Installation >25' To 30', Add	73.19	
		For Elevated Installation >30' To 35', Add	83.64	
		For Elevated Installation >35' To 40', Add	104.55	
		For Elevated Installation >40', Add	115.01	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	62.73	
26 05 33 13-2580	EA	3-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	579.73	102.94
		For Work In Restricted Working Space, Add	77.21	
		For Elevated Installation >10' To 15', Add	25.74	
		For Elevated Installation >15' To 20', Add	51.47	
		For Elevated Installation >20' To 25', Add	64.34	
		For Elevated Installation >25' To 30', Add	90.07	
		For Elevated Installation >30' To 35', Add	102.94	
		For Elevated Installation >35' To 40', Add	128.68	
		For Elevated Installation >40', Add	141.54	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	77.21	
26 05 33 13-2581	EA	4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	664.85	123.96
		For Work In Restricted Working Space, Add	92.97	
		For Elevated Installation >10' To 15', Add	30.99	
		For Elevated Installation >15' To 20', Add	61.98	
		For Elevated Installation >20' To 25', Add	77.47	
		For Elevated Installation >25' To 30', Add	108.46	
		For Elevated Installation >30' To 35', Add	123.96	
		For Elevated Installation >35' To 40', Add	154.95	
		For Elevated Installation >40', Add	170.44	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	92.97	
26 05 33 13-2582 Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover (26 05 33 13-2582)				
26 05 33 13-2583	EA	1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	61.13	20.58
		For Work In Restricted Working Space, Add	15.44	
		For Elevated Installation >10' To 15', Add	5.15	
		For Elevated Installation >15' To 20', Add	10.30	
		For Elevated Installation >20' To 25', Add	12.87	
		For Elevated Installation >25' To 30', Add	18.02	
		For Elevated Installation >30' To 35', Add	20.59	
		For Elevated Installation >35' To 40', Add	25.74	
		For Elevated Installation >40', Add	28.31	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.44	
26 05 33 13-2584	EA	3/4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	70.69	23.59
		For Work In Restricted Working Space, Add	17.69	
		For Elevated Installation >10' To 15', Add	5.90	
		For Elevated Installation >15' To 20', Add	11.79	
		For Elevated Installation >20' To 25', Add	14.74	
		For Elevated Installation >25' To 30', Add	20.64	
		For Elevated Installation >30' To 35', Add	23.59	
		For Elevated Installation >35' To 40', Add	29.49	
		For Elevated Installation >40', Add	32.43	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.69	
26 05 33 13-2585	EA	1" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	85.03	27.02
		For Work In Restricted Working Space, Add	20.27	
		For Elevated Installation >10' To 15', Add	6.76	
		For Elevated Installation >15' To 20', Add	13.51	
		For Elevated Installation >20' To 25', Add	16.89	
		For Elevated Installation >25' To 30', Add	23.65	
		For Elevated Installation >30' To 35', Add	27.02	
		For Elevated Installation >35' To 40', Add	33.78	
		For Elevated Installation >40', Add	37.16	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.27	
26 05 33 13-2586	EA	1-1/4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	104.06	31.31
		For Work In Restricted Working Space, Add	23.48	
		For Elevated Installation >10' To 15', Add	7.83	
		For Elevated Installation >15' To 20', Add	15.66	
		For Elevated Installation >20' To 25', Add	19.57	
		For Elevated Installation >25' To 30', Add	27.40	
		For Elevated Installation >30' To 35', Add	31.31	
		For Elevated Installation >35' To 40', Add	39.14	
		For Elevated Installation >40', Add	43.05	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.48	
26 05 33 13-2587	EA	1-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	116.45	34.31
		For Work In Restricted Working Space, Add	25.73	
		For Elevated Installation >10' To 15', Add	8.58	
		For Elevated Installation >15' To 20', Add	17.16	
		For Elevated Installation >20' To 25', Add	21.45	
		For Elevated Installation >25' To 30', Add	30.02	
		For Elevated Installation >30' To 35', Add	34.31	
		For Elevated Installation >35' To 40', Add	42.89	
		For Elevated Installation >40', Add	47.18	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.73	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2588	EA	2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	153.66	41.18
		For Work In Restricted Working Space, Add	30.88	
		For Elevated Installation >10' To 15', Add	10.29	
		For Elevated Installation >15' To 20', Add	20.59	
		For Elevated Installation >20' To 25', Add	25.74	
		For Elevated Installation >25' To 30', Add	36.03	
		For Elevated Installation >30' To 35', Add	41.18	
		For Elevated Installation >35' To 40', Add	51.47	
		For Elevated Installation >40', Add	56.62	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.88	
26 05 33 13-2589	EA	2-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	248.52	57.90
		For Work In Restricted Working Space, Add	43.43	
		For Elevated Installation >10' To 15', Add	14.48	
		For Elevated Installation >15' To 20', Add	28.95	
		For Elevated Installation >20' To 25', Add	36.19	
		For Elevated Installation >25' To 30', Add	50.67	
		For Elevated Installation >30' To 35', Add	57.90	
		For Elevated Installation >35' To 40', Add	72.38	
		For Elevated Installation >40', Add	79.62	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	43.43	
26 05 33 13-2590	EA	3" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	320.12	77.20
		For Work In Restricted Working Space, Add	57.91	
		For Elevated Installation >10' To 15', Add	19.30	
		For Elevated Installation >15' To 20', Add	38.60	
		For Elevated Installation >20' To 25', Add	48.26	
		For Elevated Installation >25' To 30', Add	67.56	
		For Elevated Installation >30' To 35', Add	77.21	
		For Elevated Installation >35' To 40', Add	96.51	
		For Elevated Installation >40', Add	106.16	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	57.91	
26 05 33 13-2591	EA	3-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	453.40	96.50
		For Work In Restricted Working Space, Add	72.38	
		For Elevated Installation >10' To 15', Add	24.13	
		For Elevated Installation >15' To 20', Add	48.25	
		For Elevated Installation >20' To 25', Add	60.32	
		For Elevated Installation >25' To 30', Add	84.44	
		For Elevated Installation >30' To 35', Add	96.51	
		For Elevated Installation >35' To 40', Add	120.64	
		For Elevated Installation >40', Add	132.70	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	72.38	
26 05 33 13-2592	EA	4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	583.84	117.53
		For Work In Restricted Working Space, Add	88.14	
		For Elevated Installation >10' To 15', Add	29.38	
		For Elevated Installation >15' To 20', Add	58.76	
		For Elevated Installation >20' To 25', Add	73.45	
		For Elevated Installation >25' To 30', Add	102.83	
		For Elevated Installation >30' To 35', Add	117.52	
		For Elevated Installation >35' To 40', Add	146.91	
		For Elevated Installation >40', Add	161.60	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	88.14	
26 05 33 13-2593		Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover (26 05 33 13-2548)		
26 05 33 13-2594	EA	1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	81.26	27.02
		For Work In Restricted Working Space, Add	20.27	
		For Elevated Installation >10' To 15', Add	6.76	
		For Elevated Installation >15' To 20', Add	13.51	
		For Elevated Installation >20' To 25', Add	16.89	
		For Elevated Installation >25' To 30', Add	23.65	
		For Elevated Installation >30' To 35', Add	27.02	
		For Elevated Installation >35' To 40', Add	33.78	
		For Elevated Installation >40', Add	37.16	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.27	
26 05 33 13-2595	EA	3/4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	93.59	30.03
		For Work In Restricted Working Space, Add	22.52	
		For Elevated Installation >10' To 15', Add	7.51	
		For Elevated Installation >15' To 20', Add	15.01	
		For Elevated Installation >20' To 25', Add	18.77	
		For Elevated Installation >25' To 30', Add	26.27	
		For Elevated Installation >30' To 35', Add	30.02	
		For Elevated Installation >35' To 40', Add	37.53	
		For Elevated Installation >40', Add	41.28	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.52	
26 05 33 13-2596	EA	1" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	113.92	33.03
		For Work In Restricted Working Space, Add	24.77	
		For Elevated Installation >10' To 15', Add	8.26	
		For Elevated Installation >15' To 20', Add	16.51	
		For Elevated Installation >20' To 25', Add	20.64	
		For Elevated Installation >25' To 30', Add	28.90	
		For Elevated Installation >30' To 35', Add	33.03	
		For Elevated Installation >35' To 40', Add	41.29	
		For Elevated Installation >40', Add	45.41	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.77	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-2597	EA	1-1/4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	131.29	37.75
		For Work In Restricted Working Space, Add	28.31	
		For Elevated Installation >10' To 15', Add	9.44	
		For Elevated Installation >15' To 20', Add	18.87	
		For Elevated Installation >20' To 25', Add	23.59	
		For Elevated Installation >25' To 30', Add	33.03	
		For Elevated Installation >30' To 35', Add	37.75	
		For Elevated Installation >35' To 40', Add	47.19	
		For Elevated Installation >40', Add	51.90	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.31	
26 05 33 13-2598	EA	1-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	167.60	41.18
		For Work In Restricted Working Space, Add	30.88	
		For Elevated Installation >10' To 15', Add	10.29	
		For Elevated Installation >15' To 20', Add	20.59	
		For Elevated Installation >20' To 25', Add	25.74	
		For Elevated Installation >25' To 30', Add	36.03	
		For Elevated Installation >30' To 35', Add	41.18	
		For Elevated Installation >35' To 40', Add	51.47	
		For Elevated Installation >40', Add	56.62	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.88	
26 05 33 13-2599	EA	2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	202.78	50.61
		For Work In Restricted Working Space, Add	37.96	
		For Elevated Installation >10' To 15', Add	12.65	
		For Elevated Installation >15' To 20', Add	25.31	
		For Elevated Installation >20' To 25', Add	31.63	
		For Elevated Installation >25' To 30', Add	44.29	
		For Elevated Installation >30' To 35', Add	50.61	
		For Elevated Installation >35' To 40', Add	63.27	
		For Elevated Installation >40', Add	69.59	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	37.96	
26 05 33 13-2600	EA	2-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	374.70	74.20
		For Work In Restricted Working Space, Add	55.65	
		For Elevated Installation >10' To 15', Add	18.55	
		For Elevated Installation >15' To 20', Add	37.10	
		For Elevated Installation >20' To 25', Add	46.38	
		For Elevated Installation >25' To 30', Add	64.93	
		For Elevated Installation >30' To 35', Add	74.20	
		For Elevated Installation >35' To 40', Add	92.76	
		For Elevated Installation >40', Add	102.03	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	55.65	
26 05 33 13-2601	EA	3" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	462.90	96.50
		For Work In Restricted Working Space, Add	72.38	
		For Elevated Installation >10' To 15', Add	24.13	
		For Elevated Installation >15' To 20', Add	48.25	
		For Elevated Installation >20' To 25', Add	60.32	
		For Elevated Installation >25' To 30', Add	84.44	
		For Elevated Installation >30' To 35', Add	96.51	
		For Elevated Installation >35' To 40', Add	120.64	
		For Elevated Installation >40', Add	132.70	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	72.38	
26 05 33 13-2602	EA	3-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	657.69	119.24
		For Work In Restricted Working Space, Add	90.08	
		For Elevated Installation >10' To 15', Add	30.03	
		For Elevated Installation >15' To 20', Add	60.05	
		For Elevated Installation >20' To 25', Add	75.06	
		For Elevated Installation >25' To 30', Add	105.09	
		For Elevated Installation >30' To 35', Add	120.10	
		For Elevated Installation >35' To 40', Add	150.13	
		For Elevated Installation >40', Add	165.14	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	90.08	
26 05 33 13-2603	EA	4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	794.20	143.26
		For Work In Restricted Working Space, Add	107.45	
		For Elevated Installation >10' To 15', Add	35.82	
		For Elevated Installation >15' To 20', Add	71.63	
		For Elevated Installation >20' To 25', Add	89.54	
		For Elevated Installation >25' To 30', Add	125.35	
		For Elevated Installation >30' To 35', Add	143.26	
		For Elevated Installation >35' To 40', Add	179.08	
		For Elevated Installation >40', Add	196.98	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	107.45	

26 05 33 13-2604 Threaded, Malleable Iron Conduit Body (26 05 33 13-2547)

Note: For use with Rigid Galvanized Steel (RGS), Galvanized Rigid Steel Conduit (GRC), or Intermediate Metal Conduit (IMC)

26 05 33 13-2605 Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover (26 05 33 13-2604)

26 05 33 13-2606	EA	1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	62.76	20.58
		For Elevated Installation >10' To 15', Add	5.15	
		For Elevated Installation >15' To 20', Add	10.30	
		For Elevated Installation >20' To 25', Add	12.87	
		For Elevated Installation >25' To 30', Add	18.02	
		For Elevated Installation >30' To 35', Add	20.59	
		For Elevated Installation >35' To 40', Add	25.74	
		For Elevated Installation >40', Add	28.31	
		For Work In Restricted Working Space, Add	15.44	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.44	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2607	EA	3/4"	Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	72.80	23.59
			For Elevated Installation >10' To 15', Add	5.90	
			For Elevated Installation >15' To 20', Add	11.79	
			For Elevated Installation >20' To 25', Add	14.74	
			For Elevated Installation >25' To 30', Add	20.64	
			For Elevated Installation >30' To 35', Add	23.59	
			For Elevated Installation >35' To 40', Add	29.49	
			For Elevated Installation >40', Add	32.43	
			For Work In Restricted Working Space, Add	17.69	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.69	
26 05 33 13-2608	EA	1"	Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	89.25	27.45
			For Elevated Installation >10' To 15', Add	6.86	
			For Elevated Installation >15' To 20', Add	13.73	
			For Elevated Installation >20' To 25', Add	17.16	
			For Elevated Installation >25' To 30', Add	24.02	
			For Elevated Installation >30' To 35', Add	27.45	
			For Elevated Installation >35' To 40', Add	34.32	
			For Elevated Installation >40', Add	37.75	
			For Work In Restricted Working Space, Add	20.59	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.59	
26 05 33 13-2609	EA	1-1/4"	Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	115.27	31.31
			For Elevated Installation >10' To 15', Add	7.83	
			For Elevated Installation >15' To 20', Add	15.66	
			For Elevated Installation >20' To 25', Add	19.57	
			For Elevated Installation >25' To 30', Add	27.40	
			For Elevated Installation >30' To 35', Add	31.31	
			For Elevated Installation >35' To 40', Add	39.14	
			For Elevated Installation >40', Add	43.05	
			For Work In Restricted Working Space, Add	23.48	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.48	
26 05 33 13-2610	EA	1-1/2"	Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	131.15	34.31
			For Elevated Installation >10' To 15', Add	8.58	
			For Elevated Installation >15' To 20', Add	17.16	
			For Elevated Installation >20' To 25', Add	21.45	
			For Elevated Installation >25' To 30', Add	30.02	
			For Elevated Installation >30' To 35', Add	34.31	
			For Elevated Installation >35' To 40', Add	42.89	
			For Elevated Installation >40', Add	47.18	
			For Work In Restricted Working Space, Add	25.73	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.73	
26 05 33 13-2611	EA	2"	Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	178.87	41.18
			For Elevated Installation >10' To 15', Add	10.29	
			For Elevated Installation >15' To 20', Add	20.59	
			For Elevated Installation >20' To 25', Add	25.74	
			For Elevated Installation >25' To 30', Add	36.03	
			For Elevated Installation >30' To 35', Add	41.18	
			For Elevated Installation >35' To 40', Add	51.47	
			For Elevated Installation >40', Add	56.62	
			For Work In Restricted Working Space, Add	30.88	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.88	
26 05 33 13-2612	EA	2-1/2"	Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	300.20	57.90
			For Elevated Installation >10' To 15', Add	14.48	
			For Elevated Installation >15' To 20', Add	28.95	
			For Elevated Installation >20' To 25', Add	36.19	
			For Elevated Installation >25' To 30', Add	50.67	
			For Elevated Installation >30' To 35', Add	57.91	
			For Elevated Installation >35' To 40', Add	72.39	
			For Elevated Installation >40', Add	79.62	
			For Work In Restricted Working Space, Add	43.43	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	43.43	
26 05 33 13-2613	EA	3"	Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	424.89	77.20
			For Elevated Installation >10' To 15', Add	19.30	
			For Elevated Installation >15' To 20', Add	38.61	
			For Elevated Installation >20' To 25', Add	48.26	
			For Elevated Installation >25' To 30', Add	67.56	
			For Elevated Installation >30' To 35', Add	77.21	
			For Elevated Installation >35' To 40', Add	96.52	
			For Elevated Installation >40', Add	106.17	
			For Work In Restricted Working Space, Add	57.91	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	57.91	
26 05 33 13-2614	EA	3-1/2"	Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	584.53	96.50
			For Elevated Installation >10' To 15', Add	24.13	
			For Elevated Installation >15' To 20', Add	48.25	
			For Elevated Installation >20' To 25', Add	60.32	
			For Elevated Installation >25' To 30', Add	84.44	
			For Elevated Installation >30' To 35', Add	96.51	
			For Elevated Installation >35' To 40', Add	120.64	
			For Elevated Installation >40', Add	132.70	
			For Work In Restricted Working Space, Add	72.38	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	72.38	
26 05 33 13-2615	EA	4"	Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	699.73	117.53
			For Elevated Installation >10' To 15', Add	29.38	
			For Elevated Installation >15' To 20', Add	58.76	
			For Elevated Installation >20' To 25', Add	73.46	
			For Elevated Installation >25' To 30', Add	102.84	
			For Elevated Installation >30' To 35', Add	117.53	
			For Elevated Installation >35' To 40', Add	146.91	
			For Elevated Installation >40', Add	161.60	
			For Work In Restricted Working Space, Add	88.15	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	88.15	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-2616	Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover (26 05 33 13-2604)		
26 05 33 13-2617	EA 1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	65.38	20.58
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.44	
26 05 33 13-2618	EA 3/4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	73.57	23.59
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.69	
26 05 33 13-2619	EA 1" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	93.24	27.45
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.59	
26 05 33 13-2620	EA 1-1/4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	117.94	31.31
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.48	
26 05 33 13-2621	EA 1-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	134.42	34.31
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.73	
26 05 33 13-2622	EA 2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	172.16	41.18
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.88	
26 05 33 13-2623	EA 2-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	262.93	57.90
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	43.43	
26 05 33 13-2624	EA 3" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	357.88	77.20
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	57.91	
26 05 33 13-2625	EA 3-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	624.00	96.50
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	72.38	
26 05 33 13-2626	EA 4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	728.84	117.53
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	88.15	
26 05 33 13-2627	Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover (26 05 33 13-2604)		
26 05 33 13-2628	EA 1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	77.60	23.59
	For Elevated Installation >10' To 15', Add	5.90	
	For Elevated Installation >15' To 20', Add	11.79	
	For Elevated Installation >20' To 25', Add	14.74	
	For Elevated Installation >25' To 30', Add	20.64	
	For Elevated Installation >30' To 35', Add	23.59	
	For Elevated Installation >35' To 40', Add	29.49	
	For Elevated Installation >40', Add	32.43	
	For Work In Restricted Working Space, Add	17.69	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.69	
26 05 33 13-2629	EA 3/4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	91.49	27.45
	For Elevated Installation >10' To 15', Add	6.97	
	For Elevated Installation >15' To 20', Add	13.94	
	For Elevated Installation >20' To 25', Add	17.43	
	For Elevated Installation >25' To 30', Add	24.40	
	For Elevated Installation >30' To 35', Add	27.88	
	For Elevated Installation >35' To 40', Add	34.85	
	For Elevated Installation >40', Add	38.34	
	For Work In Restricted Working Space, Add	20.91	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.91	
26 05 33 13-2630	EA 1" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	108.01	30.03
	For Elevated Installation >10' To 15', Add	7.51	
	For Elevated Installation >15' To 20', Add	15.01	
	For Elevated Installation >20' To 25', Add	18.77	
	For Elevated Installation >25' To 30', Add	26.27	
	For Elevated Installation >30' To 35', Add	30.02	
	For Elevated Installation >35' To 40', Add	37.53	
	For Elevated Installation >40', Add	41.28	
	For Work In Restricted Working Space, Add	22.52	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.52	
26 05 33 13-2631	EA 1-1/4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	135.77	34.31
	For Elevated Installation >10' To 15', Add	8.47	
	For Elevated Installation >15' To 20', Add	16.94	
	For Elevated Installation >20' To 25', Add	21.18	
	For Elevated Installation >25' To 30', Add	29.65	
	For Elevated Installation >30' To 35', Add	33.88	
	For Elevated Installation >35' To 40', Add	42.36	
	For Elevated Installation >40', Add	46.59	
	For Work In Restricted Working Space, Add	25.41	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.41	
26 05 33 13-2632	EA 1-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	155.72	37.75
	For Elevated Installation >10' To 15', Add	9.44	
	For Elevated Installation >15' To 20', Add	18.87	
	For Elevated Installation >20' To 25', Add	23.59	
	For Elevated Installation >25' To 30', Add	33.03	
	For Elevated Installation >30' To 35', Add	37.75	
	For Elevated Installation >35' To 40', Add	47.19	
	For Elevated Installation >40', Add	51.90	
	For Work In Restricted Working Space, Add	28.31	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.31	
26 05 33 13-2633	EA 2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	206.57	44.18
	For Elevated Installation >10' To 15', Add	11.05	
	For Elevated Installation >15' To 20', Add	22.09	
	For Elevated Installation >20' To 25', Add	27.61	
	For Elevated Installation >25' To 30', Add	38.66	
	For Elevated Installation >30' To 35', Add	44.18	
	For Elevated Installation >35' To 40', Add	55.23	
	For Elevated Installation >40', Add	60.75	
	For Work In Restricted Working Space, Add	33.14	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2634	EA	2-1/2"	Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	261.69 16.08 32.17 40.21 56.29 64.34 80.42 88.46 48.25 48.25	64.34
26 05 33 13-2635	EA	3"	Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	376.68 20.91 41.82 52.28 73.19 83.64 104.55 115.01 62.73 62.73	83.64
26 05 33 13-2636	EA	3-1/2"	Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	658.30 25.74 51.47 64.34 90.07 102.94 128.68 141.54 77.21 77.21	102.94
26 05 33 13-2637	EA	4"	Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	761.74 31.10 62.19 77.74 108.84 124.39 155.49 171.03 93.29 93.29	123.96
26 05 33 13-2638			Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover (26 05 33 13-2604)		
26 05 33 13-2639	EA	1/2"	Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	62.95 5.15 10.29 12.87 18.01 20.59 25.74 28.31 15.44 15.44	20.58
26 05 33 13-2640	EA	3/4"	Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	76.19 5.90 11.80 14.75 20.64 23.59 29.49 32.44 17.69 17.69	23.59
26 05 33 13-2641	EA	1"	Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	89.12 6.76 13.51 16.89 23.65 27.02 33.78 37.16 20.27 20.27	27.02
26 05 33 13-2642	EA	1-1/4"	Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	120.20 7.83 15.66 19.57 27.40 31.32 39.15 43.06 23.49 23.49	31.31

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-2643	EA	1-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	140.38	34.31
		For Elevated Installation >10' To 15', Add	8.58	
		For Elevated Installation >15' To 20', Add	17.16	
		For Elevated Installation >20' To 25', Add	21.45	
		For Elevated Installation >25' To 30', Add	30.02	
		For Elevated Installation >30' To 35', Add	34.31	
		For Elevated Installation >35' To 40', Add	42.89	
		For Elevated Installation >40', Add	47.18	
		For Work In Restricted Working Space, Add	25.73	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.73	
26 05 33 13-2644	EA	2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	181.51	41.18
		For Elevated Installation >10' To 15', Add	10.29	
		For Elevated Installation >15' To 20', Add	20.59	
		For Elevated Installation >20' To 25', Add	25.74	
		For Elevated Installation >25' To 30', Add	36.03	
		For Elevated Installation >30' To 35', Add	41.18	
		For Elevated Installation >35' To 40', Add	51.47	
		For Elevated Installation >40', Add	56.62	
		For Work In Restricted Working Space, Add	30.88	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.88	
26 05 33 13-2645	EA	2-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	406.48	108.62
		For Elevated Installation >10' To 15', Add	27.14	
		For Elevated Installation >15' To 20', Add	54.29	
		For Elevated Installation >20' To 25', Add	67.86	
		For Elevated Installation >25' To 30', Add	95.00	
		For Elevated Installation >30' To 35', Add	108.58	
		For Elevated Installation >35' To 40', Add	135.72	
		For Elevated Installation >40', Add	149.29	
		For Work In Restricted Working Space, Add	81.43	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	81.43	
26 05 33 13-2646	EA	3" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	386.02	77.20
		For Elevated Installation >10' To 15', Add	19.30	
		For Elevated Installation >15' To 20', Add	38.61	
		For Elevated Installation >20' To 25', Add	48.26	
		For Elevated Installation >25' To 30', Add	67.56	
		For Elevated Installation >30' To 35', Add	77.21	
		For Elevated Installation >35' To 40', Add	96.52	
		For Elevated Installation >40', Add	106.17	
		For Work In Restricted Working Space, Add	57.91	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	57.91	
26 05 33 13-2647	EA	3-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	624.00	96.50
		For Elevated Installation >10' To 15', Add	24.13	
		For Elevated Installation >15' To 20', Add	48.25	
		For Elevated Installation >20' To 25', Add	60.32	
		For Elevated Installation >25' To 30', Add	84.44	
		For Elevated Installation >30' To 35', Add	96.51	
		For Elevated Installation >35' To 40', Add	120.64	
		For Elevated Installation >40', Add	132.70	
		For Work In Restricted Working Space, Add	72.38	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	72.38	
26 05 33 13-2648	EA	4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	728.82	117.53
		For Elevated Installation >10' To 15', Add	29.38	
		For Elevated Installation >15' To 20', Add	58.76	
		For Elevated Installation >20' To 25', Add	73.45	
		For Elevated Installation >25' To 30', Add	102.83	
		For Elevated Installation >30' To 35', Add	117.52	
		For Elevated Installation >35' To 40', Add	146.90	
		For Elevated Installation >40', Add	161.59	
		For Work In Restricted Working Space, Add	88.14	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	88.14	

26 05 33 13-2649 Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover (26 05 33 13-2604)

26 05 33 13-2650	EA	1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	88.21	27.02
		For Elevated Installation >10' To 15', Add	6.76	
		For Elevated Installation >15' To 20', Add	13.51	
		For Elevated Installation >20' To 25', Add	16.89	
		For Elevated Installation >25' To 30', Add	23.65	
		For Elevated Installation >30' To 35', Add	27.02	
		For Elevated Installation >35' To 40', Add	33.78	
		For Elevated Installation >40', Add	37.16	
		For Work In Restricted Working Space, Add	20.27	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.27	
26 05 33 13-2651	EA	3/4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	96.48	30.03
		For Elevated Installation >10' To 15', Add	7.51	
		For Elevated Installation >15' To 20', Add	15.01	
		For Elevated Installation >20' To 25', Add	18.77	
		For Elevated Installation >25' To 30', Add	26.27	
		For Elevated Installation >30' To 35', Add	30.02	
		For Elevated Installation >35' To 40', Add	37.53	
		For Elevated Installation >40', Add	41.28	
		For Work In Restricted Working Space, Add	22.52	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.52	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2652	EA	1" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	111.97	33.03
		For Elevated Installation >10' To 15', Add	8.26	
		For Elevated Installation >15' To 20', Add	16.51	
		For Elevated Installation >20' To 25', Add	20.64	
		For Elevated Installation >25' To 30', Add	28.90	
		For Elevated Installation >30' To 35', Add	33.03	
		For Elevated Installation >35' To 40', Add	41.29	
		For Elevated Installation >40', Add	45.41	
		For Work In Restricted Working Space, Add	24.77	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.77	
26 05 33 13-2653	EA	1-1/4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	133.19	37.75
		For Elevated Installation >10' To 15', Add	9.44	
		For Elevated Installation >15' To 20', Add	18.87	
		For Elevated Installation >20' To 25', Add	23.59	
		For Elevated Installation >25' To 30', Add	33.03	
		For Elevated Installation >30' To 35', Add	37.75	
		For Elevated Installation >35' To 40', Add	47.19	
		For Elevated Installation >40', Add	51.90	
		For Work In Restricted Working Space, Add	28.31	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.31	
26 05 33 13-2654	EA	1-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	153.59	41.18
		For Elevated Installation >10' To 15', Add	10.29	
		For Elevated Installation >15' To 20', Add	20.59	
		For Elevated Installation >20' To 25', Add	25.74	
		For Elevated Installation >25' To 30', Add	36.03	
		For Elevated Installation >30' To 35', Add	41.18	
		For Elevated Installation >35' To 40', Add	51.47	
		For Elevated Installation >40', Add	56.62	
		For Work In Restricted Working Space, Add	30.88	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.88	
26 05 33 13-2655	EA	2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	214.71	50.61
		For Elevated Installation >10' To 15', Add	12.65	
		For Elevated Installation >15' To 20', Add	25.31	
		For Elevated Installation >20' To 25', Add	31.63	
		For Elevated Installation >25' To 30', Add	44.29	
		For Elevated Installation >30' To 35', Add	50.61	
		For Elevated Installation >35' To 40', Add	63.27	
		For Elevated Installation >40', Add	69.59	
		For Work In Restricted Working Space, Add	37.96	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	37.96	
26 05 33 13-2656	EA	2-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	342.95	74.20
		For Elevated Installation >10' To 15', Add	18.55	
		For Elevated Installation >15' To 20', Add	37.10	
		For Elevated Installation >20' To 25', Add	46.38	
		For Elevated Installation >25' To 30', Add	64.93	
		For Elevated Installation >30' To 35', Add	74.20	
		For Elevated Installation >35' To 40', Add	92.76	
		For Elevated Installation >40', Add	102.03	
		For Work In Restricted Working Space, Add	55.65	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	55.65	
26 05 33 13-2657	EA	3" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	502.90	96.50
		For Elevated Installation >10' To 15', Add	24.13	
		For Elevated Installation >15' To 20', Add	48.25	
		For Elevated Installation >20' To 25', Add	60.32	
		For Elevated Installation >25' To 30', Add	84.44	
		For Elevated Installation >30' To 35', Add	96.51	
		For Elevated Installation >35' To 40', Add	120.64	
		For Elevated Installation >40', Add	132.70	
		For Work In Restricted Working Space, Add	72.38	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	72.38	
26 05 33 13-2658	EA	3-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	750.52	119.24
		For Elevated Installation >10' To 15', Add	29.81	
		For Elevated Installation >15' To 20', Add	59.62	
		For Elevated Installation >20' To 25', Add	74.53	
		For Elevated Installation >25' To 30', Add	104.34	
		For Elevated Installation >30' To 35', Add	119.24	
		For Elevated Installation >35' To 40', Add	149.05	
		For Elevated Installation >40', Add	163.96	
		For Work In Restricted Working Space, Add	89.43	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	89.43	
26 05 33 13-2659	EA	4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	838.51	143.26
		For Elevated Installation >10' To 15', Add	35.82	
		For Elevated Installation >15' To 20', Add	71.63	
		For Elevated Installation >20' To 25', Add	89.54	
		For Elevated Installation >25' To 30', Add	125.35	
		For Elevated Installation >30' To 35', Add	143.26	
		For Elevated Installation >35' To 40', Add	179.08	
		For Elevated Installation >40', Add	196.98	
		For Work In Restricted Working Space, Add	107.45	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	107.45	
26 05 33 13-2660		Set Screw, Cast Aluminum Conduit Body (26 05 33 13-2547)		
		Note: For use with Electrical Metallic Tubing (EMT)		
26 05 33 13-2661		Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover (26 05 33 13-2660)		

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-2662	EA 1/2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	30.17	8.15
	For Work In Restricted Working Space, Add	6.11	
	For Elevated Installation >10' To 15', Add	2.04	
	For Elevated Installation >15' To 20', Add	4.07	
	For Elevated Installation >20' To 25', Add	5.09	
	For Elevated Installation >25' To 30', Add	7.13	
	For Elevated Installation >30' To 35', Add	8.15	
	For Elevated Installation >35' To 40', Add	10.19	
	For Elevated Installation >40', Add	11.20	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.11	
26 05 33 13-2663	EA 3/4" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	38.58	10.72
	For Work In Restricted Working Space, Add	8.04	
	For Elevated Installation >10' To 15', Add	2.68	
	For Elevated Installation >15' To 20', Add	5.36	
	For Elevated Installation >20' To 25', Add	6.70	
	For Elevated Installation >25' To 30', Add	9.38	
	For Elevated Installation >30' To 35', Add	10.72	
	For Elevated Installation >35' To 40', Add	13.41	
	For Elevated Installation >40', Add	14.75	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.04	
26 05 33 13-2664	EA 1" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	52.25	13.29
	For Work In Restricted Working Space, Add	9.97	
	For Elevated Installation >10' To 15', Add	3.32	
	For Elevated Installation >15' To 20', Add	6.65	
	For Elevated Installation >20' To 25', Add	8.31	
	For Elevated Installation >25' To 30', Add	11.63	
	For Elevated Installation >30' To 35', Add	13.30	
	For Elevated Installation >35' To 40', Add	16.62	
	For Elevated Installation >40', Add	18.28	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.97	
26 05 33 13-2665	EA 1-1/4" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	67.79	16.30
	For Work In Restricted Working Space, Add	12.23	
	For Elevated Installation >10' To 15', Add	4.08	
	For Elevated Installation >15' To 20', Add	8.15	
	For Elevated Installation >20' To 25', Add	10.19	
	For Elevated Installation >25' To 30', Add	14.26	
	For Elevated Installation >30' To 35', Add	16.30	
	For Elevated Installation >35' To 40', Add	20.38	
	For Elevated Installation >40', Add	22.41	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.23	
26 05 33 13-2666	EA 1-1/2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	89.23	18.87
	For Work In Restricted Working Space, Add	14.15	
	For Elevated Installation >10' To 15', Add	4.72	
	For Elevated Installation >15' To 20', Add	9.44	
	For Elevated Installation >20' To 25', Add	11.80	
	For Elevated Installation >25' To 30', Add	16.51	
	For Elevated Installation >30' To 35', Add	18.87	
	For Elevated Installation >35' To 40', Add	23.59	
	For Elevated Installation >40', Add	25.95	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.15	
26 05 33 13-2667	EA 2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	118.33	21.45
	For Work In Restricted Working Space, Add	16.08	
	For Elevated Installation >10' To 15', Add	5.36	
	For Elevated Installation >15' To 20', Add	10.72	
	For Elevated Installation >20' To 25', Add	13.40	
	For Elevated Installation >25' To 30', Add	18.76	
	For Elevated Installation >30' To 35', Add	21.44	
	For Elevated Installation >35' To 40', Add	26.81	
	For Elevated Installation >40', Add	29.49	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.08	

26 05 33 13-2668 Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover

(26 05 33 13-2660)

26 05 33 13-2669	EA 1/2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	30.43	8.15
	For Work In Restricted Working Space, Add	6.11	
	For Elevated Installation >10' To 15', Add	2.04	
	For Elevated Installation >15' To 20', Add	4.07	
	For Elevated Installation >20' To 25', Add	5.09	
	For Elevated Installation >25' To 30', Add	7.13	
	For Elevated Installation >30' To 35', Add	8.15	
	For Elevated Installation >35' To 40', Add	10.19	
	For Elevated Installation >40', Add	11.20	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.11	
26 05 33 13-2670	EA 3/4" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	39.62	10.72
	For Work In Restricted Working Space, Add	8.04	
	For Elevated Installation >10' To 15', Add	2.68	
	For Elevated Installation >15' To 20', Add	5.36	
	For Elevated Installation >20' To 25', Add	6.70	
	For Elevated Installation >25' To 30', Add	9.38	
	For Elevated Installation >30' To 35', Add	10.72	
	For Elevated Installation >35' To 40', Add	13.41	
	For Elevated Installation >40', Add	14.75	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.04	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2671	EA	1" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	48.65	13.29
		For Work In Restricted Working Space, Add	9.97	
		For Elevated Installation >10' To 15', Add	3.32	
		For Elevated Installation >15' To 20', Add	6.65	
		For Elevated Installation >20' To 25', Add	8.31	
		For Elevated Installation >25' To 30', Add	11.63	
		For Elevated Installation >30' To 35', Add	13.30	
		For Elevated Installation >35' To 40', Add	16.62	
		For Elevated Installation >40', Add	18.28	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.97	
26 05 33 13-2672	EA	1-1/4" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	67.48	16.30
		For Work In Restricted Working Space, Add	12.23	
		For Elevated Installation >10' To 15', Add	4.08	
		For Elevated Installation >15' To 20', Add	8.15	
		For Elevated Installation >20' To 25', Add	10.19	
		For Elevated Installation >25' To 30', Add	14.26	
		For Elevated Installation >30' To 35', Add	16.30	
		For Elevated Installation >35' To 40', Add	20.38	
		For Elevated Installation >40', Add	22.41	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.23	
26 05 33 13-2673	EA	1-1/2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	83.26	18.87
		For Work In Restricted Working Space, Add	14.15	
		For Elevated Installation >10' To 15', Add	4.72	
		For Elevated Installation >15' To 20', Add	9.44	
		For Elevated Installation >20' To 25', Add	11.80	
		For Elevated Installation >25' To 30', Add	16.51	
		For Elevated Installation >30' To 35', Add	18.87	
		For Elevated Installation >35' To 40', Add	23.59	
		For Elevated Installation >40', Add	25.95	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.15	
26 05 33 13-2674	EA	2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	117.82	21.45
		For Work In Restricted Working Space, Add	16.08	
		For Elevated Installation >10' To 15', Add	5.36	
		For Elevated Installation >15' To 20', Add	10.72	
		For Elevated Installation >20' To 25', Add	13.40	
		For Elevated Installation >25' To 30', Add	18.76	
		For Elevated Installation >30' To 35', Add	21.44	
		For Elevated Installation >35' To 40', Add	26.81	
		For Elevated Installation >40', Add	29.49	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.08	
26 05 33 13-2675		Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover ⁽²⁶⁾		
		^(05 33 13-2660)		
26 05 33 13-2676	EA	1/2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	39.14	10.72
		For Work In Restricted Working Space, Add	8.04	
		For Elevated Installation >10' To 15', Add	2.68	
		For Elevated Installation >15' To 20', Add	5.36	
		For Elevated Installation >20' To 25', Add	6.70	
		For Elevated Installation >25' To 30', Add	9.38	
		For Elevated Installation >30' To 35', Add	10.72	
		For Elevated Installation >35' To 40', Add	13.41	
		For Elevated Installation >40', Add	14.75	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.04	
26 05 33 13-2677	EA	3/4" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	51.02	13.29
		For Work In Restricted Working Space, Add	9.97	
		For Elevated Installation >10' To 15', Add	3.32	
		For Elevated Installation >15' To 20', Add	6.65	
		For Elevated Installation >20' To 25', Add	8.31	
		For Elevated Installation >25' To 30', Add	11.63	
		For Elevated Installation >30' To 35', Add	13.30	
		For Elevated Installation >35' To 40', Add	16.62	
		For Elevated Installation >40', Add	18.28	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.97	
26 05 33 13-2678	EA	1" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	61.53	16.30
		For Work In Restricted Working Space, Add	12.23	
		For Elevated Installation >10' To 15', Add	4.08	
		For Elevated Installation >15' To 20', Add	8.15	
		For Elevated Installation >20' To 25', Add	10.19	
		For Elevated Installation >25' To 30', Add	14.26	
		For Elevated Installation >30' To 35', Add	16.30	
		For Elevated Installation >35' To 40', Add	20.38	
		For Elevated Installation >40', Add	22.41	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.23	
26 05 33 13-2679	EA	1-1/4" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	85.20	18.87
		For Work In Restricted Working Space, Add	14.80	
		For Elevated Installation >10' To 15', Add	4.93	
		For Elevated Installation >15' To 20', Add	9.87	
		For Elevated Installation >20' To 25', Add	12.33	
		For Elevated Installation >25' To 30', Add	17.27	
		For Elevated Installation >30' To 35', Add	19.73	
		For Elevated Installation >35' To 40', Add	24.67	
		For Elevated Installation >40', Add	27.13	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.80	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-2680	EA	1-1/2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover.....	109.31	21.45
		For Work In Restricted Working Space, Add	17.37	
		For Elevated Installation >10' To 15', Add	5.79	
		For Elevated Installation >15' To 20', Add	11.58	
		For Elevated Installation >20' To 25', Add	14.48	
		For Elevated Installation >25' To 30', Add	20.27	
		For Elevated Installation >30' To 35', Add	23.16	
		For Elevated Installation >35' To 40', Add	28.95	
		For Elevated Installation >40', Add	31.85	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.37	
26 05 33 13-2681	EA	2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	147.27	24.02
		For Work In Restricted Working Space, Add	19.94	
		For Elevated Installation >10' To 15', Add	6.65	
		For Elevated Installation >15' To 20', Add	13.30	
		For Elevated Installation >20' To 25', Add	16.62	
		For Elevated Installation >25' To 30', Add	23.27	
		For Elevated Installation >30' To 35', Add	26.59	
		For Elevated Installation >35' To 40', Add	33.24	
		For Elevated Installation >40', Add	36.56	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.94	

26 05 33 13-2682 Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover (26 05 33 13-2680)

26 05 33 13-2683	EA	1/2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	31.31	8.15
		For Work In Restricted Working Space, Add	6.11	
		For Elevated Installation >10' To 15', Add	2.04	
		For Elevated Installation >15' To 20', Add	4.07	
		For Elevated Installation >20' To 25', Add	5.09	
		For Elevated Installation >25' To 30', Add	7.13	
		For Elevated Installation >30' To 35', Add	8.15	
		For Elevated Installation >35' To 40', Add	10.19	
		For Elevated Installation >40', Add	11.20	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.11	
26 05 33 13-2684	EA	3/4" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	41.91	10.72
		For Work In Restricted Working Space, Add	8.04	
		For Elevated Installation >10' To 15', Add	2.68	
		For Elevated Installation >15' To 20', Add	5.36	
		For Elevated Installation >20' To 25', Add	6.70	
		For Elevated Installation >25' To 30', Add	9.38	
		For Elevated Installation >30' To 35', Add	10.72	
		For Elevated Installation >35' To 40', Add	13.41	
		For Elevated Installation >40', Add	14.75	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.04	
26 05 33 13-2685	EA	1" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	53.55	13.29
		For Work In Restricted Working Space, Add	9.97	
		For Elevated Installation >10' To 15', Add	3.32	
		For Elevated Installation >15' To 20', Add	6.65	
		For Elevated Installation >20' To 25', Add	8.31	
		For Elevated Installation >25' To 30', Add	11.63	
		For Elevated Installation >30' To 35', Add	13.30	
		For Elevated Installation >35' To 40', Add	16.62	
		For Elevated Installation >40', Add	18.28	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.97	
26 05 33 13-2686	EA	1-1/4" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	69.35	16.30
		For Work In Restricted Working Space, Add	12.23	
		For Elevated Installation >10' To 15', Add	4.08	
		For Elevated Installation >15' To 20', Add	8.15	
		For Elevated Installation >20' To 25', Add	10.19	
		For Elevated Installation >25' To 30', Add	14.26	
		For Elevated Installation >30' To 35', Add	16.30	
		For Elevated Installation >35' To 40', Add	20.38	
		For Elevated Installation >40', Add	22.41	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.23	
26 05 33 13-2687	EA	1-1/2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	84.33	18.87
		For Work In Restricted Working Space, Add	14.15	
		For Elevated Installation >10' To 15', Add	4.72	
		For Elevated Installation >15' To 20', Add	9.44	
		For Elevated Installation >20' To 25', Add	11.80	
		For Elevated Installation >25' To 30', Add	16.51	
		For Elevated Installation >30' To 35', Add	18.87	
		For Elevated Installation >35' To 40', Add	23.59	
		For Elevated Installation >40', Add	25.95	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.15	
26 05 33 13-2688	EA	2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	127.80	21.45
		For Work In Restricted Working Space, Add	16.08	
		For Elevated Installation >10' To 15', Add	5.36	
		For Elevated Installation >15' To 20', Add	10.72	
		For Elevated Installation >20' To 25', Add	13.40	
		For Elevated Installation >25' To 30', Add	18.76	
		For Elevated Installation >30' To 35', Add	21.44	
		For Elevated Installation >35' To 40', Add	26.81	
		For Elevated Installation >40', Add	29.49	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.08	

26 05 33 13-2689 Aluminum Type LB Telecommunications Conduit Bodies With Cover (Smart Pathways) (26 05 33 13-2547)

26 05 33 13-2690	EA	3/4" To 1-1/4" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB120)	162.96	23.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.63	

MINOR		DESCRIPTION	TOTAL DIRECT		DEMOLITION
CSI	UOM		UNIT COST		UNIT COST
26 05 33 13-2691	EA	1-1/2" To 2-1/2" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB250) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	620.95 32.59		43.42
26 05 33 13-2692	EA	3" To 4" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB400) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,193.22 66.11		88.14
26 05 33 13-2693 Replacement Covers And Gaskets For Conduit Body (26 05 33 13-2547)					
26 05 33 13-2694 Replacement Stamped Aluminum Conduit Body Cover (26 05 33 13-2693)					
26 05 33 13-2695	EA	1/2" Replacement Stamped Aluminum Conduit Body Cover	11.12		4.18
26 05 33 13-2696	EA	3/4" Replacement Stamped Aluminum Conduit Body Cover	13.62		4.88
26 05 33 13-2697	EA	1" Replacement Stamped Aluminum Conduit Body Cover	17.43		6.28
26 05 33 13-2698	EA	1-1/4" Replacement Stamped Aluminum Conduit Body Cover	21.22		7.67
26 05 33 13-2699	EA	1-1/2" Replacement Stamped Aluminum Conduit Body Cover	26.10		9.06
26 05 33 13-2700	EA	2" Replacement Stamped Aluminum Conduit Body Cover	30.96		10.46
26 05 33 13-2701	EA	2-1/2" Replacement Stamped Aluminum Conduit Body Cover	41.08		11.85
26 05 33 13-2702	EA	3" Replacement Stamped Aluminum Conduit Body Cover	53.01		16.72
26 05 33 13-2703	EA	3-1/2" Replacement Stamped Aluminum Conduit Body Cover	57.55		18.82
26 05 33 13-2704	EA	4" Replacement Stamped Aluminum Conduit Body Cover	72.51		23.70
26 05 33 13-2705 Replacement Cast Steel Conduit Body Cover (26 05 33 13-2693)					
26 05 33 13-2706	EA	1/2" Replacement Cast Steel Conduit Body Cover	13.00		4.18
26 05 33 13-2707	EA	3/4" Replacement Cast Steel Conduit Body Cover	15.25		4.88
26 05 33 13-2708	EA	1" Replacement Cast Steel Conduit Body Cover	21.47		6.28
26 05 33 13-2709	EA	1-1/4" Replacement Cast Steel Conduit Body Cover	26.69		7.67
26 05 33 13-2710	EA	1-1/2" Replacement Cast Steel Conduit Body Cover	32.47		9.06
26 05 33 13-2711	EA	2" Replacement Cast Steel Conduit Body Cover	38.25		10.46
26 05 33 13-2712	EA	2-1/2" Replacement Cast Steel Conduit Body Cover	43.98		11.85
26 05 33 13-2713	EA	3" Replacement Cast Steel Conduit Body Cover	59.84		16.72
26 05 33 13-2714	EA	3-1/2" Replacement Cast Steel Conduit Body Cover	68.31		18.82
26 05 33 13-2715	EA	4" Replacement Cast Steel Conduit Body Cover	86.12		23.70
26 05 33 13-2716 Replacement Velbuna Composition Conduit Body Gasket (26 05 33 13-2693)					
26 05 33 13-2717	EA	1/2" Replacement Velbuna Composition Conduit Body Gasket	10.28		4.18
26 05 33 13-2718	EA	3/4" Replacement Velbuna Composition Conduit Body Gasket	11.74		4.88
26 05 33 13-2719	EA	1" Replacement Velbuna Composition Conduit Body Gasket	15.33		6.28
26 05 33 13-2720	EA	1-1/4" Replacement Velbuna Composition Conduit Body Gasket	19.95		7.67
26 05 33 13-2721	EA	1-1/2" Replacement Velbuna Composition Conduit Body Gasket	22.74		9.06
26 05 33 13-2722	EA	2" Replacement Velbuna Composition Conduit Body Gasket	27.08		10.46
26 05 33 13-2723	EA	2-1/2" Replacement Velbuna Composition Conduit Body Gasket	35.78		11.85
26 05 33 13-2724	EA	3" Replacement Velbuna Composition Conduit Body Gasket	46.39		16.72
26 05 33 13-2725	EA	3-1/2" Replacement Velbuna Composition Conduit Body Gasket	51.28		18.82
26 05 33 13-2726	EA	4" Replacement Velbuna Composition Conduit Body Gasket	60.93		23.70
26 05 33 13-2727 Replacement Neoprene Conduit Body Gasket (26 05 33 13-2693)					
26 05 33 13-2728	EA	1/2" Replacement Neoprene Conduit Body Gasket	11.58		4.18
26 05 33 13-2729	EA	3/4" Replacement Neoprene Conduit Body Gasket	12.98		4.88
26 05 33 13-2730	EA	1" Replacement Neoprene Conduit Body Gasket	16.97		6.28
26 05 33 13-2731	EA	1-1/4" Replacement Neoprene Conduit Body Gasket	20.78		7.67
26 05 33 13-2732	EA	1-1/2" Replacement Neoprene Conduit Body Gasket	23.57		9.06
26 05 33 13-2733	EA	2" Replacement Neoprene Conduit Body Gasket	27.17		10.46
26 05 33 13-2734	EA	2-1/2" Replacement Neoprene Conduit Body Gasket	35.99		11.85
26 05 33 13-2735	EA	3" Replacement Neoprene Conduit Body Gasket	46.60		16.72
26 05 33 13-2736	EA	3-1/2" Replacement Neoprene Conduit Body Gasket	52.67		18.82
26 05 33 13-2737	EA	4" Replacement Neoprene Conduit Body Gasket	62.32		23.70
26 05 33 13-2738 Cutting Knockouts In-Place Metal Boxes Or Enclosures (26 05 33 13-0058)					
Note: For use when connecting conduit to an existing in-place system.					
26 05 33 13-2739	EA	1/2", Cutting Knockouts In-Place Metal Boxes Or Enclosures <i>For Work In Restricted Working Space, Add</i>	17.75 5.33		
26 05 33 13-2740	EA	3/4", Cutting Knockouts In-Place Metal Boxes Or Enclosures <i>For Work In Restricted Working Space, Add</i>	19.99 6.00		
26 05 33 13-2741	EA	1", Cutting Knockouts In-Place Metal Boxes Or Enclosures <i>For Work In Restricted Working Space, Add</i>	23.51 7.05		
26 05 33 13-2742	EA	1-1/4", Cutting Knockouts In-Place Metal Boxes Or Enclosures <i>For Work In Restricted Working Space, Add</i>	26.10 7.83		
26 05 33 13-2743	EA	1-1/2", Cutting Knockouts In-Place Metal Boxes Or Enclosures <i>For Work In Restricted Working Space, Add</i>	29.40 8.82		
26 05 33 13-2744	EA	2", Cutting Knockouts In-Place Metal Boxes Or Enclosures <i>For Work In Restricted Working Space, Add</i>	34.80 10.44		
26 05 33 13-2745	EA	2-1/2", Cutting Knockouts In-Place Metal Boxes Or Enclosures <i>For Work In Restricted Working Space, Add</i>	41.15 12.35		
26 05 33 13-2746	EA	3", Cutting Knockouts In-Place Metal Boxes Or Enclosures <i>For Work In Restricted Working Space, Add</i>	47.03 14.11		
26 05 33 13-2747	EA	3-1/2", Cutting Knockouts In-Place Metal Boxes Or Enclosures <i>For Work In Restricted Working Space, Add</i>	52.91 15.87		
26 05 33 13-2748	EA	4", Cutting Knockouts In-Place Metal Boxes Or Enclosures <i>For Work In Restricted Working Space, Add</i>	58.78 17.63		
26 05 33 16 Boxes for Electrical Systems (26 05 33)					
See CSI section 26 27 16 00-0000 for larger junction boxes and enclosures.					

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 16-0001	Steel Junction, Device, And Fixture Boxes, Rings And Covers (26 05 33 16)		
Note: Thin wall metal. See CSI section 26 27 26 00-0003 for steel box/receptacle assemblies, 26 27 26 00-0138 for steel box/switch assemblies.			
26 05 33 16-0002	4" Square Steel Boxes, Rings And Covers (26 05 33 16-0001)		
26 05 33 16-0003	EA 1-1/2" Depth, 4" Square Steel Box.....	37.89	17.61
	For Stud Bracket, Add.....	0.66	
26 05 33 16-0004	EA 2-1/8" Depth, 4" Square Steel Box.....	39.11	17.61
	For Stud Bracket, Add.....	1.18	
26 05 33 16-0005	EA 3-1/2" Depth, 4" Square Steel Box.....	43.30	17.61
	For Stud Bracket, Add.....	1.29	
26 05 33 16-0006	EA 1-1/2" Depth, 4" Square Steel Extension Ring.....	29.44	11.74
26 05 33 16-0007	EA 2-1/8" Depth, 4" Square Steel Extension Ring.....	25.20	11.74
26 05 33 16-0008	EA 1/2" Depth, 1 Gang, 4" Square Steel Mud Ring.....	13.02	5.87
26 05 33 16-0009	EA 5/8" Depth, 1 Gang, 4" Square Steel Mud Ring.....	13.21	5.87
26 05 33 16-0010	EA 3/4" Depth, 1 Gang, 4" Square Steel Mud Ring.....	13.35	5.87
26 05 33 16-0011	EA 1" Depth, 1 Gang, 4" Square Steel Mud Ring.....	13.81	5.87
26 05 33 16-0012	EA 1-1/4" Depth, 1 Gang, 4" Square Steel Mud Ring.....	13.94	5.87
26 05 33 16-0013	EA 1-1/2" Depth, 1 Gang, 4" Square Steel Mud Ring.....	15.39	5.87
26 05 33 16-0014	EA 1/2" Depth, 2 Gang, 4" Square Steel Mud Ring.....	13.57	5.87
26 05 33 16-0015	EA 5/8" Depth, 2 Gang, 4" Square Steel Mud Ring.....	13.71	5.87
26 05 33 16-0016	EA 3/4" Depth, 2 Gang, 4" Square Steel Mud Ring.....	13.88	5.87
26 05 33 16-0017	EA 1" Depth, 2 Gang, 4" Square Steel Mud Ring.....	15.36	5.87
26 05 33 16-0018	EA 1-1/4" Depth, 2 Gang, 4" Square Steel Mud Ring.....	15.67	5.87
26 05 33 16-0019	EA 1-1/2" Depth, 2 Gang, 4" Square Steel Mud Ring.....	17.55	5.87
26 05 33 16-0020	EA 3/4" Depth, Fixture Cover, 4" Square Mud Rings.....	14.29	5.87
26 05 33 16-0021	EA 1" Depth, Fixture Cover, 4" Square Mud Rings.....	15.49	5.87
26 05 33 16-0022	EA One Toggle Switch, 4" Square Steel Exposed Work Cover.....	13.55	5.87
26 05 33 16-0023	EA Two Toggle Switches, 4" Square Steel Exposed Work Cover.....	13.66	5.87
26 05 33 16-0024	EA One Duplex Receptacle, 4" Square Steel Exposed Work Cover.....	13.52	5.87
26 05 33 16-0025	EA Two Duplex Receptacles, 4" Square Steel Exposed Work Cover.....	13.84	5.87
26 05 33 16-0026	EA One Toggle Switch And One Duplex Receptacle, 4" Square Steel Exposed Work Cover.....	14.11	5.87
26 05 33 16-0027	EA One Toggle Switch And One 1.406" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	17.43	5.87
26 05 33 16-0028	EA One 1.406" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	14.06	5.87
26 05 33 16-0029	EA Two 1.406" Diameter Receptacles, 4" Square Steel Exposed Work Cover.....	17.43	5.87
26 05 33 16-0030	EA One 1.620" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	14.06	5.87
26 05 33 16-0031	EA One 1.719" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	14.84	5.87
26 05 33 16-0032	EA One 2.165" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	17.43	5.87
26 05 33 16-0033	EA One 2.480" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	17.43	5.87
26 05 33 16-0034	EA Flat, 4" Square Steel Exposed Work Cover.....	12.60	5.87
26 05 33 16-0035	4-11/16" Square Steel Boxes, Rings And Covers (26 05 33 16-0001)		
26 05 33 16-0036	EA 1-1/2" Depth, 4-11/16" Square Steel Box.....	42.41	17.61
26 05 33 16-0037	EA 2-1/8" Depth, 4-11/16" Square Steel Box.....	39.65	17.61
	For Stud Bracket, Add.....	0.62	
26 05 33 16-0038	EA 3-1/4" Depth, 4-11/16" Square Steel Box.....	53.50	17.61
26 05 33 16-0039	EA 1-1/2" Depth, 4-11/16" Square Extension Ring.....	30.59	11.74
26 05 33 16-0040	EA 2-1/8" Depth, 4-11/16" Square Extension Ring.....	31.27	11.74
26 05 33 16-0041	EA 1/2" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	15.78	5.87
26 05 33 16-0042	EA 5/8" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	15.81	5.87
26 05 33 16-0043	EA 3/4" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	16.99	5.87
26 05 33 16-0044	EA 1" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	16.51	5.87
26 05 33 16-0045	EA 1-1/4" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	16.41	5.87
26 05 33 16-0046	EA 1-1/2" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	21.30	5.87
26 05 33 16-0047	EA 1/2" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	16.71	5.87
26 05 33 16-0048	EA 5/8" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	16.97	5.87
26 05 33 16-0049	EA 3/4" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	16.99	5.87
26 05 33 16-0050	EA 1" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	18.72	5.87
26 05 33 16-0051	EA 1-1/4" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	19.08	5.87
26 05 33 16-0052	EA 1-1/2" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	23.27	5.87
26 05 33 16-0053	EA 1/2" Depth, Fixture Cover, 4-11/16" Square Steel Mud Ring.....	16.49	5.87
26 05 33 16-0054	EA 5/8" Depth, Fixture Cover, 4-11/16" Square Steel Mud Ring.....	16.61	5.87
26 05 33 16-0055	EA One Toggle Switch, 4-11/16" Square Steel Exposed Work Cover.....	19.85	5.87
26 05 33 16-0056	EA Two Toggle Switches, 4-11/16" Square Steel Exposed Work Cover.....	20.76	5.87
26 05 33 16-0057	EA One Duplex Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	19.59	5.87
26 05 33 16-0058	EA Two Duplex Receptacles, 4-11/16" Square Steel Exposed Work Cover.....	18.60	5.87
26 05 33 16-0059	EA One Toggle Switch And One Duplex Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	21.91	5.87
26 05 33 16-0060	EA One 1.594" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	20.76	5.87
26 05 33 16-0061	EA One 2.141" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	20.76	5.87
26 05 33 16-0062	EA One 2.625" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	20.76	5.87
26 05 33 16-0063	EA Flat, 4-11/16" Square Steel Exposed Work Cover.....	13.34	5.87
26 05 33 16-0064	Steel Square Box Brackets (26 05 33 16-0001)		
26 05 33 16-0065	EA 16" Or 24" Width Box Bracket, For Multiple 1-1/2" And 2-1/8" Deep Boxes.....	18.87	8.81
26 05 33 16-0066	EA Single Box Bracket, One 4" Or 4-11/16" Square Box.....	13.67	5.88
26 05 33 16-0067	EA 16" Box Bracket, Up To Three 4" Or 4-11/16" Square Boxes.....	21.82	8.81
26 05 33 16-0068	EA 24" Box Bracket, Up To Four 4" Or 4-11/16" Square Boxes.....	23.33	8.81
26 05 33 16-0069	4" Octagon Steel Boxes And Covers (26 05 33 16-0001)		
26 05 33 16-0070	EA 1-1/2" Depth, 4" Steel Octagon Box.....	31.55	14.67
	For Stud Bracket, Add.....	1.60	
26 05 33 16-0071	EA 2-1/8" Depth, 4" Steel Octagon Box.....	32.62	14.67

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0072	EA	Flat, 4" Octagon Steel Exposed Work Cover	12.53	5.87
26 05 33 16-0073		4" Steel Octagonal Concrete Rings And Steel Covers (26 05 33 16-0001)		
		Note: Placed in concrete slabs or walls.		
26 05 33 16-0074	EA	2" Depth, 4" Steel Octagonal Concrete Ring	51.77	
26 05 33 16-0075	EA	2-1/2" Depth, 4" Steel Octagonal Concrete Ring	54.91	
26 05 33 16-0076	EA	3" Depth, 4" Steel Octagonal Concrete Ring	57.47	
26 05 33 16-0077	EA	3-1/2" Depth, 4" Steel Octagonal Concrete Ring	59.95	
26 05 33 16-0078	EA	4" Depth, 4" Steel Octagonal Concrete Ring	65.24	
26 05 33 16-0079	EA	5" Depth, 4" Steel Octagonal Concrete Ring	70.70	
26 05 33 16-0080	EA	6" Depth, 4" Steel Octagonal Concrete Ring	75.00	
26 05 33 16-0081	EA	Flat, 4" Steel Octagonal Concrete Cover	14.00	5.87
26 05 33 16-0082		4-1/2" Steel Gang Boxes (26 05 33 16-0001)		
26 05 33 16-0083	EA	2 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	46.65	14.67
26 05 33 16-0084	EA	3 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	51.20	15.85
26 05 33 16-0085	EA	4 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	61.31	17.61
26 05 33 16-0086	EA	5 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	79.44	19.36
26 05 33 16-0087	EA	6 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	116.58	21.13
26 05 33 16-0088	EA	2 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	63.12	14.67
26 05 33 16-0089	EA	3 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	68.74	15.85
26 05 33 16-0090	EA	4 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	90.95	17.61
26 05 33 16-0091	EA	5 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	116.29	19.36
26 05 33 16-0092	EA	6 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	189.44	21.13
26 05 33 16-0093	EA	2 Device, Gang Box Mud Ring	20.31	5.87
26 05 33 16-0094	EA	3 Device, Gang Box Mud Ring	20.58	5.87
26 05 33 16-0095	EA	4 Device, Gang Box Mud Ring	23.76	5.87
26 05 33 16-0096	EA	5 Device, Gang Box Mud Ring	29.21	5.87
26 05 33 16-0097	EA	6 Device, Gang Box Mud Ring	41.18	5.87
26 05 33 16-0098	EA	2 Device, Gang Box Flat Cover	17.58	5.87
26 05 33 16-0099	EA	3 Device, Gang Box Flat Cover	20.55	5.87
26 05 33 16-0100	EA	4 Device, Gang Box Flat Cover	24.50	5.87
26 05 33 16-0101	EA	5 Device, Gang Box Flat Cover	29.52	5.87
26 05 33 16-0102	EA	6 Device, Gang Box Flat Cover	42.03	5.87
26 05 33 16-0103		Steel Switch Boxes (26 05 33 16-0001)		
26 05 33 16-0104	EA	2-1/2" Depth, 3" x 2", Stud Bracket, Steel Switch Box	33.60	14.67
26 05 33 16-0105	EA	2-3/4" Depth, 3" x 2", Stud Bracket, Steel Switch Box	34.06	14.67
26 05 33 16-0106	EA	3-1/2" Depth, 3" x 2", Stud Bracket, Steel Switch Box	36.44	14.67
26 05 33 16-0107	EA	2-1/2" Depth, 2 Device, Stud Bracket, Steel Box	41.78	14.67
26 05 33 16-0108	EA	2-1/2" Depth, 3 Device, Stud Bracket, Steel Box	42.25	14.67
26 05 33 16-0109	EA	2-1/2" Depth, 4 Device, Stud Bracket, Steel Box	49.49	14.67
26 05 33 16-0110		4" x 2" Steel Handy Boxes, Extension Rings And Covers (26 05 33 16-0001)		
26 05 33 16-0111	EA	1-1/2" Deep, 4" x 2" Steel Handy Box	31.43	14.67
		For Stud Bracket, Add	2.57	
26 05 33 16-0112	EA	1-7/8" Deep, 4" x 2" Steel Handy Box	31.92	14.67
		For Stud Bracket, Add	1.11	
26 05 33 16-0113	EA	2-1/8" Deep, 4" x 2" Steel Handy Box	33.02	14.67
		For Stud Bracket, Add	1.51	
26 05 33 16-0114	EA	1-1/2" Deep, 4" x 2" Steel Handy Box Extension Ring	20.60	8.80
26 05 33 16-0115	EA	1-7/8" Deep, 4" x 2" Steel Handy Box Extension Ring	20.11	8.80
26 05 33 16-0116	EA	GFI Receptacle, 2" x 4" Steel Handy Box Exposed Work Cover	6.95	2.94
26 05 33 16-0117	EA	1.406" Diameter Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover	7.04	2.94
26 05 33 16-0118	EA	Duplex Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover	6.58	2.94
26 05 33 16-0119	EA	Toggle Switch, 4" x 2" Steel Handy Box Exposed Work Cover	6.61	2.94
26 05 33 16-0120	EA	1.594" Diameter Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover	7.55	2.94
26 05 33 16-0121	EA	Flat, 2" x 4" Steel Handy Box Exposed Work Cover	6.61	2.94
26 05 33 16-0122		3-1/2" Depth, 3-3/4" Steel Masonry Boxes (26 05 33 16-0001)		
26 05 33 16-0123	EA	1 Device, 3-1/2" Depth, 3-3/4" Steel Masonry Box	46.87	20.54
26 05 33 16-0124	EA	2 Device, 3-1/2" Depth, 3-3/4" Steel Masonry Box	52.17	21.71
26 05 33 16-0125	EA	3 Device, 3-1/2" Depth, 3-3/4" Steel Masonry Box	59.49	23.47
26 05 33 16-0126	EA	4 Device, 3-1/2" Depth, 3-3/4" Steel Masonry Box	67.57	25.82
26 05 33 16-0127		Cast Boxes (26 05 33 16)		
		Note: For flush or surface mount.		
26 05 33 16-0128		Cast Iron Alloy Boxes (26 05 33 16-0127)		
		See CSI section 26 27 26 00-0277 for box covers.		
26 05 33 16-0129		Shallow, Single Gang Cast Iron Alloy Boxes (26 05 33 16-0128)		
		Note: Up to 2" deep boxes.		
26 05 33 16-0130	EA	1/2" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box	104.37	35.21
		Note: One hub.		
26 05 33 16-0131	EA	3/4" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box	111.67	41.08
		Note: One hub.		
26 05 33 16-0132	EA	1" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box	131.13	49.88
		Note: One hub.		

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
26 05 33 16-0133	EA	1/2" Depth, Type FSC, Shallow, Single Gang Cast Iron Alloy Box Note: Two hubs.	129.72	46.95	
26 05 33 16-0134	EA	3/4" Depth, Type FSC, Shallow, Single Gang Cast Iron Alloy Box Note: Two hubs.	166.87	55.75	
26 05 33 16-0135	EA	1/2" Depth, Type FSL, Shallow, Single Gang Cast Iron Alloy Box Note: Two hubs.	129.14	46.95	
26 05 33 16-0136	EA	3/4" Depth, Type FSL, Shallow, Single Gang Cast Iron Alloy Box Note: Two hubs.	155.47	55.75	
26 05 33 16-0137	EA	1/2" Depth, Type FSR, Shallow, Single Gang Cast Iron Alloy Box Note: Two hubs.	132.81	46.95	
26 05 33 16-0138	EA	3/4" Depth, Type FSR, Shallow, Single Gang Cast Iron Alloy Box Note: Two hubs.	155.52	55.75	
26 05 33 16-0139	EA	1/2" Depth, Type FSS, Shallow, Single Gang Cast Iron Alloy Box Note: Two hubs.	129.14	46.95	
26 05 33 16-0140	EA	3/4" Depth, Type FSS, Shallow, Single Gang Cast Iron Alloy Box Note: Two hubs.	151.00	55.75	
26 05 33 16-0141	EA	1/2" Depth, Type FSCA, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	153.22	58.68	
26 05 33 16-0142	EA	3/4" Depth, Type FSCA, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	181.10	70.42	
26 05 33 16-0143	EA	1/2" Depth, Type FSICC, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	160.24	58.68	
26 05 33 16-0144	EA	3/4" Depth, Type FSICC, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	207.90	70.42	
26 05 33 16-0145	EA	1/2" Depth, Type FSCT, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	164.84	58.68	
26 05 33 16-0146	EA	3/4" Depth, Type FSCT, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	196.88	70.42	
26 05 33 16-0147	EA	1/2" Depth, Type FST, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	152.62	58.68	
26 05 33 16-0148	EA	3/4" Depth, Type FST, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	199.99	70.42	
26 05 33 16-0149	EA	1/2" Depth, Type FSX, Shallow, Single Gang Cast Iron Alloy Box Note: Four hubs.	195.62	70.42	
26 05 33 16-0150	EA	3/4" Depth, Type FSX, Shallow, Single Gang Cast Iron Alloy Box Note: Four hubs.	235.96	85.09	
26 05 33 16-0151 Deep, Single Gang Cast Iron Alloy Boxes (26 05 33 16-0128)					
Note: >2" deep boxes.					
26 05 33 16-0152	EA	1/2" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box Note: One hub.	109.54	35.21	
26 05 33 16-0153	EA	3/4" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box Note: One hub.	126.03	41.08	
26 05 33 16-0154	EA	1" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box Note: One hub.	147.70	49.88	
26 05 33 16-0155	EA	1/2" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box Note: Two hubs.	139.18	46.95	
26 05 33 16-0156	EA	3/4" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box Note: Two hubs.	160.34	55.75	
26 05 33 16-0157	EA	1" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box Note: Two hubs.	192.61	67.49	
26 05 33 16-0158	EA	3/4" Depth, Type FDS, Deep, Single Gang Cast Iron Alloy Box Note: Two hubs.	173.24	55.75	
26 05 33 16-0159	EA	3/4" Depth, Type FDCC, Deep, Single Gang Cast Iron Alloy Box Note: Three hubs.	223.19	70.42	
26 05 33 16-0160 Shallow, Two Gang Cast Iron Alloy Boxes (26 05 33 16-0128)					
Note: Up to 2" deep boxes.					
26 05 33 16-0161	EA	1/2" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box Note: One hub.	126.52	38.15	
26 05 33 16-0162	EA	3/4" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box Note: One hub.	139.78	44.01	
26 05 33 16-0163	EA	1" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box Note: One hub.	161.99	52.82	
26 05 33 16-0164	EA	1/2" Depth, Type FSC, Shallow, Two Gang Cast Iron Alloy Box Note: Two hubs.	152.48	49.88	
26 05 33 16-0165	EA	3/4" Depth, Type FSC, Shallow, Two Gang Cast Iron Alloy Box Note: Two hubs.	172.74	58.68	
26 05 33 16-0166 Deep, Two Gang Cast Iron Alloy Boxes (26 05 33 16-0128)					
Note: >2" deep boxes.					
26 05 33 16-0167	EA	1/2" Depth, Type FD, Deep, Two Gang Cast Iron Alloy Box Note: One hub.	142.06	38.15	
26 05 33 16-0168	EA	3/4" Depth, Type FD, Deep, Two Gang Cast Iron Alloy Box Note: One hub.	154.40	44.01	
26 05 33 16-0169	EA	1/2" Depth, Type FDC, Deep, Two Gang Cast Iron Alloy Box Note: Two hubs.	175.87	49.88	
26 05 33 16-0170	EA	3/4" Depth, Type FDC, Deep, Two Gang Cast Iron Alloy Box Note: Two hubs.	197.45	58.68	
26 05 33 16-0171 Cast Aluminum Boxes (26 05 33 16-0127)					
See CSI section 26 27 26 00-0277 for box covers.					
26 05 33 16-0172 Shallow, Single Gang Cast Aluminum Boxes (26 05 33 16-0171)					
Note: Up to 2" deep boxes.					

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0173	EA	1/2" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box..... Note: One hub.	92.63	29.35
26 05 33 16-0174	EA	3/4" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box..... Note: One hub.	105.72	35.21
26 05 33 16-0175	EA	1" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box..... Note: One hub.	116.41	44.01
26 05 33 16-0176	EA	1/2" Depth, Type FSA, Shallow, Single Gang Cast Aluminum Box..... Note: One hub.	86.59	29.35
26 05 33 16-0177	EA	3/4" Depth, Type FSA, Shallow, Single Gang Cast Aluminum Box..... Note: One hub.	109.97	35.21
26 05 33 16-0178	EA	1/2" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	116.69	41.08
26 05 33 16-0179	EA	3/4" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	140.07	49.88
26 05 33 16-0180	EA	1" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	175.98	61.62
26 05 33 16-0181	EA	1/2" Depth, Type FSL, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	127.18	41.08
26 05 33 16-0182	EA	3/4" Depth, Type FSL, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	134.97	49.88
26 05 33 16-0183	EA	1/2" Depth, Type FSLB, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	121.21	41.08
26 05 33 16-0184	EA	3/4" Depth, Type FSLB, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	138.53	49.88
26 05 33 16-0185	EA	1/2" Depth, Type FSR, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	117.36	41.08
26 05 33 16-0186	EA	3/4" Depth, Type FSR, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	138.53	49.88
26 05 33 16-0187	EA	1/2" Depth, Type FSS, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	108.46	41.08
26 05 33 16-0188	EA	3/4" Depth, Type FSS, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	147.99	49.88
26 05 33 16-0189	EA	1/2" Depth, Type FSCA, Shallow, Single Gang Cast Aluminum Box..... Note: Three hubs.	138.07	52.82
26 05 33 16-0190	EA	3/4" Depth, Type FSCA, Shallow, Single Gang Cast Aluminum Box..... Note: Three hubs.	167.67	64.56
26 05 33 16-0191	EA	1/2" Depth, Type FSCC, Shallow, Single Gang Cast Aluminum Box..... Note: Three hubs.	147.29	52.82
26 05 33 16-0192	EA	3/4" Depth, Type FSCC, Shallow, Single Gang Cast Aluminum Box..... Note: Three hubs.	199.61	64.56
26 05 33 16-0193	EA	1/2" Depth, Type FSCT, Shallow, Single Gang Cast Aluminum Box..... Note: Three hubs.	146.52	52.82
26 05 33 16-0194	EA	3/4" Depth, Type FSCT, Shallow, Single Gang Cast Aluminum Box..... Note: Three hubs.	179.82	64.56
26 05 33 16-0195	EA	3/4" Depth, Type FST, Shallow, Single Gang Cast Aluminum Box..... Note: Three hubs.	182.56	64.56
26 05 33 16-0196	EA	1/2" Depth, Type FSX, Shallow, Single Gang Cast Aluminum Box..... Note: Four hubs.	178.62	64.56
26 05 33 16-0197	EA	3/4" Depth, Type FSX, Shallow, Single Gang Cast Aluminum Box..... Note: Four hubs.	217.95	79.23
26 05 33 16-0198		Deep, Single Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: >2" deep boxes.		
26 05 33 16-0199	EA	1/2" Depth, Type FD, Deep, Single Gang Cast Aluminum Box..... Note: One hub.	103.32	29.35
26 05 33 16-0200	EA	3/4" Depth, Type FD, Deep, Single Gang Cast Aluminum Box..... Note: One hub.	123.76	35.21
26 05 33 16-0201	EA	1" Depth, Type FD, Deep, Single Gang Cast Aluminum Box..... Note: One hub.	141.22	44.01
26 05 33 16-0202	EA	3/4" Depth, Type FDA, Deep, Single Gang Cast Aluminum Box..... Note: One hub.	133.53	35.21
26 05 33 16-0203	EA	1/2" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box..... Note: Two hubs.	130.52	41.08
26 05 33 16-0204	EA	3/4" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box..... Note: Two hubs.	157.06	49.88
26 05 33 16-0205	EA	1" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box..... Note: Two hubs.	174.39	61.62
26 05 33 16-0206	EA	3/4" Depth, Type FDS, Deep, Single Gang Cast Aluminum Box..... Note: Two hubs.	159.32	49.88
26 05 33 16-0207	EA	3/4" Depth, Type FDCC, Deep, Single Gang Cast Aluminum Box..... Note: Three hubs.	194.08	64.56
26 05 33 16-0208		Shallow, Two Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: Up to 2" deep boxes.		
26 05 33 16-0209	EA	1/2" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box..... Note: One hub.	124.18	32.27
26 05 33 16-0210	EA	3/4" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box..... Note: One hub.	141.94	38.15
26 05 33 16-0211	EA	1" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box..... Note: One hub.	151.11	46.95
26 05 33 16-0212	EA	1/2" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box..... Note: Two hubs.	154.40	44.01
26 05 33 16-0213	EA	3/4" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box..... Note: Two hubs.	155.74	52.82
26 05 33 16-0214	EA	1" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box..... Note: Two hubs.	192.52	64.56

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 16-0215		Deep, Two Gang Cast Aluminum Boxes (26 05 33 16-0171)			
		Note: >2" deep boxes.			
26 05 33 16-0216	EA	1/2" Depth, Type FD, Deep, Two Gang Cast Aluminum Box	124.06	32.27	
		Note: One hub.			
26 05 33 16-0217	EA	3/4" Depth, Type FD, Deep, Two Gang Cast Aluminum Box	143.39	38.15	
		Note: One hub.			
26 05 33 16-0218	EA	1/2" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box	157.74	44.01	
		Note: Two hubs.			
26 05 33 16-0219	EA	3/4" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box	178.10	52.82	
		Note: Two hubs.			
26 05 33 16-0220	EA	1/2" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box	157.74	44.01	
		Note: Two hubs.			
26 05 33 16-0221	EA	3/4" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box	178.10	52.82	
		Note: Two hubs.			
26 05 33 16-0222		Shallow, Three Gang Cast Aluminum Boxes (26 05 33 16-0171)			
		Note: Up to 2" deep boxes.			
26 05 33 16-0223	EA	1/2" Depth, Type FSC, Shallow, Three Gang Cast Aluminum Box	165.38	46.95	
		Note: Two hubs.			
26 05 33 16-0224	EA	3/4" Depth, Type FSC, Shallow, Three Gang Cast Aluminum Box	184.89	55.75	
		Note: Two hubs.			
26 05 33 16-0225		Deep, Three Gang Cast Aluminum Boxes (26 05 33 16-0171)			
		Note: >2" deep boxes.			
26 05 33 16-0226	EA	3/4" Depth, Type FD, Deep, Three Gang Cast Aluminum Box	191.28	41.08	
		Note: One hub.			
26 05 33 16-0227	EA	1" Depth, Type FD, Deep, Three Gang Cast Aluminum Box	212.32	49.88	
		Note: One hub.			
26 05 33 16-0228		Cast Aluminum Explosion Proof Outlet Bodies (26 05 33 16-0127)			
		Note: Class I, Div. 1 & 2; Class II, Div. 1 & 2; and Class III.			
26 05 33 16-0229	EA	1/2" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body	196.95	46.95	
26 05 33 16-0230	EA	3/4" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body	245.34	52.82	
26 05 33 16-0231	EA	1" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body	222.04	58.68	
26 05 33 16-0232	EA	1/2" Depth, Type GRSSA, 13 Opening, Cast Aluminum Explosion Proof Outlet Body	218.08	52.82	
26 05 33 16-0233	EA	3/4" Depth, 13 Hubs, Explosion Proof Conduit Outlet Box With Cover Cast Aluminum, Type GRSSA	267.21	58.68	
26 05 33 16-0234		Non-Metallic (PVC) Boxes (26 05 33 16)			
		See CSI section 26 27 26 00-0277 for box covers.			
26 05 33 16-0235		Shallow, Single Gang Non-Metallic (PVC) Boxes (26 05 33 16-0234)			
26 05 33 16-0236	EA	1/2" Depth, Type FSE, Shallow, Single Gang Non-Metallic (PVC) Box	61.08	24.65	
		Note: One hub.			
26 05 33 16-0237	EA	3/4" Depth, Type FSE, Shallow, Single Gang Non-Metallic (PVC) Box	69.67	28.76	
		Note: One hub.			
26 05 33 16-0238	EA	1" Depth, Type FSE, Shallow, Single Gang Non-Metallic (PVC) Box	78.90	34.92	
		Note: One hub.			
26 05 33 16-0239	EA	1/2" Depth, Type FSC, Shallow, Single Gang Non-Metallic (PVC) Box	77.89	32.87	
		Note: Two hubs.			
26 05 33 16-0240	EA	3/4" Depth, Type FSC, Shallow, Single Gang Non-Metallic (PVC) Box	91.41	39.03	
		Note: Two hubs.			
26 05 33 16-0241	EA	1" Depth, Type FSC, Shallow, Single Gang Non-Metallic (PVC) Box	110.90	47.24	
		Note: Two hubs.			
26 05 33 16-0242	EA	1/2" Depth, Type FSS, Shallow, Single Gang Non-Metallic (PVC) Box	78.20	32.87	
		Note: Two hubs.			
26 05 33 16-0243	EA	3/4" Depth, Type FSS, Shallow, Single Gang Non-Metallic (PVC) Box	90.58	39.03	
		Note: Two hubs.			
26 05 33 16-0244	EA	1" Depth, Type FSS, Shallow, Single Gang Non-Metallic (PVC) Box	108.06	47.24	
		Note: Two hubs.			
26 05 33 16-0245	EA	1/2" Depth, Type FSCC, Shallow, Single Gang Non-Metallic (PVC) Box	98.84	41.08	
		Note: Three hubs.			
26 05 33 16-0246	EA	3/4" Depth, Type FSCC, Shallow, Single Gang Non-Metallic (PVC) Box	111.98	49.29	
		Note: Three hubs.			
26 05 33 16-0247	EA	1" Depth, Type FSCC, Shallow, Single Gang Non-Metallic (PVC) Box	131.53	59.57	
		Note: Three hubs.			
26 05 33 16-0248		Deep, Single Gang Non-Metallic (PVC) Boxes (26 05 33 16-0234)			
26 05 33 16-0249	EA	No Hub, Type FD, Deep, Single Gang Non-Metallic (PVC) Box	62.00	24.65	
		Note: No hubs.			
26 05 33 16-0250	EA	1/2" Depth, Type FDE, Deep, Single Gang Non-Metallic (PVC) Box	60.39	24.65	
		Note: One hub.			
26 05 33 16-0251	EA	3/4" Depth, Type FDE, Deep, Single Gang Non-Metallic (PVC) Box	71.85	28.76	
		Note: One hub.			
26 05 33 16-0252	EA	1" Depth, Type FDE, Deep, Single Gang Non-Metallic (PVC) Box	79.79	34.92	
		Note: One hub.			
26 05 33 16-0253	EA	1/2" Depth, Type FDC, Deep, Single Gang Non-Metallic (PVC) Box	79.69	32.87	
		Note: Two hubs.			
26 05 33 16-0254	EA	3/4" Depth, Type FDC, Deep, Single Gang Non-Metallic (PVC) Box	89.05	39.03	
		Note: Two hubs.			
26 05 33 16-0255	EA	1" Depth, Type FDC, Deep, Single Gang Non-Metallic (PVC) Box	106.30	47.24	
		Note: Two hubs.			

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 16-0256		Shallow, Two Gang Non-Metallic (PVC) Boxes (26 05 33 16-0234)		
26 05 33 16-0257	EA	1/2" Depth, Type FSE, Shallow, Two Gang Non-Metallic (PVC) Box Note: One hub.	65.67	26.70
26 05 33 16-0258	EA	3/4" Depth, Type FSE, Shallow, Two Gang Non-Metallic (PVC) Box Note: One hub.	75.17	30.81
26 05 33 16-0259	EA	1" Depth, Type FSE, Shallow, Two Gang Non-Metallic (PVC) Box Note: One hub.	83.17	36.97
26 05 33 16-0260	EA	1/2" Depth, Type FSC, Shallow, Two Gang Non-Metallic (PVC) Box Note: Two hubs.	79.99	34.92
26 05 33 16-0261	EA	3/4" Depth, Type FSC, Shallow, Two Gang Non-Metallic (PVC) Box Note: Two hubs.	99.44	41.08
26 05 33 16-0262	EA	1" Depth, Type FSC, Shallow, Two Gang Non-Metallic (PVC) Box Note: Two hubs.	117.50	49.29
26 05 33 16-0263	EA	1/2" Depth, Type FSS, Shallow, Two Gang Non-Metallic (PVC) Box Note: Two hubs.	82.13	34.92
26 05 33 16-0264	EA	3/4" Depth, Type FSS, Shallow, Two Gang Non-Metallic (PVC) Box Note: Two hubs.	105.36	41.08
26 05 33 16-0265	EA	1" Depth, Type FSS, Shallow, Two Gang Non-Metallic (PVC) Box Note: Two hubs.	112.75	49.29
26 05 33 16-0266	EA	1/2" Depth, Type FSCC, Shallow, Two Gang Non-Metallic (PVC) Box Note: Three hubs.	100.30	43.14
26 05 33 16-0267	EA	3/4" Depth, Type FSCC, Shallow, Two Gang Non-Metallic (PVC) Box Note: Three hubs.	133.34	51.35
26 05 33 16-0268	EA	1" Depth, Type FSCC, Shallow, Two Gang Non-Metallic (PVC) Box Note: Three hubs.	135.50	61.62
26 05 33 16-0269		Poke Thru Units (26 05 33 16)		
26 05 33 16-0270		Surface Poke Thru Units (26 05 33 16-0269)		
		Note: Excludes concrete drilling.		
26 05 33 16-0271	EA	Single 20 Amperes, Duplex Receptacle RC3 Power And Communications Poke Thru Unit Note: Tile or carpet with brushed aluminum flange with black non-metallic cover. Excludes communication jacks. Wiremold RC3ATCAL.	503.91	44.01
26 05 33 16-0272	EA	Retrofit Kit Upgrades Existing RC3 Series Power And Communications Poke Thru Unit To Meet Scrub Water Requirements Note: Includes 20 Amp duplex receptacle. Tile or carpet with brushed aluminum flange with black non-metallic cover. Wiremold RC3KTCAL.	321.97	
26 05 33 16-0273	EA	20 Amperes, Replacement Duplex Receptacle For RC3 Series Power And Communications Poke Thru Unit Note: Wiremold RC37REC.	45.26	11.74
26 05 33 16-0274	EA	Abandonment Plate For RC3 Series Power And Communications Poke Thru Unit Note: Wiremold RC3APTCBK.	54.08	5.87
26 05 33 16-0275	EA	Four 20 Amperes, Receptacles RC4 Power And Communications Poke Thru Unit Note: Tile or carpet with brushed aluminum flange with black non-metallic cover. Excludes communication jacks. Wiremold RC4ATCAL.	569.71	46.95
26 05 33 16-0276	EA	Retrofit Kit Upgrades Existing RC4 Series Power And Communications Poke Thru Unit To Meet Scrub Water Requirements Note: Includes two 20 Amp duplex receptacles. Tile or carpet with brushed aluminum flange with black non-metallic cover. Excludes communication jacks. Wiremold RC4KTCAL.	301.60	
26 05 33 16-0277	EA	Two 20 Amperes, Replacement Duplex Receptacles For RC4 Series Power And Communications Poke Thru Unit Note: Wiremold RC4REC2.	77.39	17.61
26 05 33 16-0278	EA	Abandonment Plate For RC4 Series Power And Communications Poke Thru Unit Note: Wiremold RC4APTCBK.	54.08	5.87
26 05 33 16-0279	EA	Abandonment Plug For RC4 Series Power And Communications Poke Thru Unit Note: Wiremold ABPLUG4.	157.20	11.74
26 05 33 16-0280	EA	Four Jack RC9AMD Communications Poke Thru Unit Note: Tile or carpet with brushed aluminum flange with black non-metallic cover. Includes bezels to accept four Ortronics TracJack inserts and two Ortronics Series II inserts. Excludes communication jacks. Wiremold RC9AMDTCAL.	451.11	41.08
26 05 33 16-0281	EA	Abandonment Plate For RC9 Series Communications Poke Thru Unit Note: Wiremold RC9APTCBK.	37.72	5.87
26 05 33 16-0282	EA	Eight Jack AMD8 Communications Poke Thru Unit Note: Tile or carpet with brushed aluminum flange with black non-metallic cover. Includes bezels to accept eight Ortronics TracJack inserts and four Ortronics Series II inserts. Excludes communication jacks. Wiremold AMD8ATCAL.	449.04	41.08
26 05 33 16-0283	EA	Communication Conduit Adapter For Poke Thru Units Note: Includes two conduit connections for communication systems. Wiremold COM75.	52.29	5.87
26 05 33 16-0284		Recessed Poke Thru Units (26 05 33 16-0269)		
		Note: Excludes concrete drilling.		
26 05 33 16-0285		Evolution 6AT Poke Thru Units (26 05 33 16-0284)		
		Note: Excludes concrete drilling.		
26 05 33 16-0286	EA	Recessed Prewired Assembly With Surface Style Cover (Wiremold 6ATCP) Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	802.98	46.95
26 05 33 16-0287	EA	Recessed Prewired Assembly With Flush Style Cover (Wiremold 6ATP) Note: For tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	803.08	46.95
26 05 33 16-0288	EA	Recessed Assembly With Surface Style Cover (Wiremold 6ATC) Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	765.57	46.95

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		DESCRIPTION	TOTAL DIRECT		DEMOLITION
CSI	UOM		UNIT COST	UNIT COST	
26 05 33 16-0289	EA	Recessed Assembly With Flush Style Cover (Wiremold 6AT)..... Note: For tile, wood or laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	765.57		46.95
26 05 33 16-0290	EA	Recessed Prewired Audio/Video Assembly With Surface Style Cover (Wiremold 6ATCPA)..... Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	802.98		46.95
26 05 33 16-0291	EA	Recessed Prewired Audio/Video Assembly With Flush Style Cover (Wiremold 6ATPA)..... Note: For tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	802.98		46.95
26 05 33 16-0292	EA	Recessed Furniture Feed Assembly With Surface Style Cover (Wiremold 6ATCFF)..... Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Die-cast aluminum cover assembly provides one (1) 3/4" trade size screw plug opening and one (1) concentric 2" to 1 1/4" trade size screw plug opening and is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	733.91		46.95
26 05 33 16-0293	EA	Recessed Assembly With Disposable Plate (Wiremold 6STC)..... Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. No device plates are included. For use with the following cover assemblies (purchased separately): 6CTC, 6CT, and 6CFFTC Series.	461.78		44.01
26 05 33 16-0294	EA	Recessed Prewired Audio/Video Assembly With Disposable Plate (Wiremold 6STCPAV)..... Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies(purchased separately): 6CTC and 6CT Series.	494.87		44.01
26 05 33 16-0295	EA	Recessed Prewired Assembly With Disposable Plate (Wiremold 6STCP)..... Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 6CTC and 6CT Series.	498.14		44.01
26 05 33 16-0296	EA	6" Pre-Pour Poke-Thru Sleeve (Wiremold 6PPS)..... Note: Non-metallic sleeve attaches to structural decking and maintains 6" to 6-1/8" diameter cast in core hole. Unit includes three (3) attachment legs, two (2) end caps and three (3) thumb screws.	142.44		23.47
26 05 33 16-0297	EA	Surface Style Cover Assembly (Wiremold 6CTC)..... Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: black (BK), gray (GY), nickel (NK), brass (BS), and bronze (BZ). 6CTC Series cover assemblies designed for use with 6STC, 6STCP, and 6STCPAV Poke-Thru Stem Assemblies.	322.82		11.74
26 05 33 16-0298	EA	Flush Style Cover Assembly (Wiremold 6CT)..... Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: black (BK), gray (GY), nickel (NK), brass (BS), and bronze (BZ). 6CT Series cover assemblies designed for use with 6STC, 6STCP and 6STCPAV Poke-Thru Stem Assemblies. Includes one (1) 6TS Tile Shim.	322.82		11.74
26 05 33 16-0299	EA	Furniture Feed Cover Assembly (Wiremold 6CFFTC)..... Note: Surface style, die-cast aluminum cover assembly, with one (1) 3/4" trade size screw plug opening, and one (1) concentric 2" to 1-1/4" trade size screw plug opening. Cover assembly is available in finishes: black (BK), gray(GY), nickel (NK), brass (BS), and bronze (BZ). 6CFFTC Series Cover Assemblies designed for use with 6STC Poke- Thru Stem Assembly. Includes one (1) 3/4" and one (1) 2" trade size conduit fittings and one (1) divider to separate services.	268.58		11.74
26 05 33 16-0300	EA	Tile Shim (Wiremold 6TS)..... Note: Used for floor coverings greater than 5/16" The 6TS will allow the top surface of the cover to be flush with the finished floor. Includes: two (2) 1/8" thick shims and two (2) 1/16" thick shims. Up to a total of 3/8" of adjustment.	39.00		2.94
26 05 33 16-0301	EA	Device Mounting Plate (Wiremold 6AAP)..... Note: Device plate that will accept up to two (2) Extron® Electronics AAP style plates. For use in the center compartment only. Devices supplied by others.	19.61		5.87
26 05 33 16-0302	EA	Device Mounting Plate (Wiremold 6ACT8A)..... Note: Device plate that will accept up to eight (8) ports of communication devices. For use in the center compartment only. Devices supplied by others.	22.55		5.87
26 05 33 16-0303	EA	Device Mounting Plate (Wiremold 6B)..... Note: Device plate used to blank off center compartment, when no devices are used.	19.52		5.87
26 05 33 16-0304	EA	Device Mounting Plate (Wiremold 6DEC)..... Note: Device plate that will accept Decorator style devices such as 20 amperes receptacles, GFCIs, 106 adapters or A/V devices. For use in the center compartment only. Devices supplied by others.	19.58		5.87
26 05 33 16-0305	EA	Device Mounting Plate (Wiremold 6DP)..... Note: Device plate that will accept standard 20 amperes duplex receptacle or duplex Turnlok receptacle. For use in the center compartment only. Devices supplied by others.	19.45		5.87
26 05 33 16-0306	EA	Device Mounting Plate (Wiremold 6MAAP)..... Note: Device plate that will accept up to six (6) Extron® Electronics MAAP style plates. For use in the center compartment only. Devices supplied by others.	22.86		5.87
26 05 33 16-0307	EA	Device Mounting Plate (Wiremold 6MAAP2A)..... Note: Combination device plate that will accept up to three (3) Extron® Electronics MAAP style plates, and up to two (2) ports of communication devices. For use in the center compartment only. Devices supplied by others.	22.62		5.87
26 05 33 16-0308	EA	Mosaic Mounting Plate (Wiremold 6MOS)..... Note: Device plate will accept two (2) standard [45mm x 45mm] or one (1) standard [45mm x 90mm] Mosaic style device(s). Devices supplied by others.	23.15		5.87
26 05 33 16-0309	EA	Device Mounting Plate (Wiremold 6S1)..... Note: Receptacle opening 1 3/8". For 6" poke-thru units only.	19.17		5.87
26 05 33 16-0310	EA	Device Mounting Plate (Wiremold 6S2)..... Note: Receptacle opening 1 9/16". For 6" poke-thru units only.	19.18		5.87
26 05 33 16-0311	EA	Device Mounting Plate (Wiremold 6SER)..... Note: Device plate that will accept up to four (4) Ortronics® Series II dual modular inserts. For use in the center compartment only. Devices supplied by others.	18.93		5.87
26 05 33 16-0312	EA	Device Mounting Plate (Wiremold 6TRAC)..... Note: Device plate that will accept up to eight (8) Ortronics® TracJack devices. For use in the center compartment only. Devices supplied by others.	18.93		5.87
26 05 33 16-0313	EA	20 Amperes, Duplex Receptacles (Wiremold 68REC)..... Note: Two (2) proprietary 20 amperes duplex power receptacles with mounting plates. Designed to fit in either of the two side compartments in both the 6ATC and the 8ATC Series Poke-Thru Devices. Receptacle can be wired as a standard or isolated ground device.	45.01		8.80
26 05 33 16-0314	EA	Device Mounting Plate (Wiremold 68B)..... Note: Blank plate. Used to blank off either of the side compartments when no devices or cabling are to be used.	17.38		5.87

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0315	EA	Device Mounting Plate (Wiremold 68MAAP) Note: Device plate that will accept up to two (2) Extron® Electronics MAAP device plates. For use in either of the two side compartments only. Not for use in the center compartment. Extron Devices supplied by others.	17.80	5.87
26 05 33 16-0316	EA	20 Amperes, Duplex Receptacles (Wiremold 68REC-25) Note: Two (2) proprietary 20 amperes duplex power receptacles with mounting plates and 25' leads. Designed to fit in either of the two side compartments in both the 6ATC and the 8ATC Series Poke-Thru Devices. Receptacle can be wired as a standard or isolated	139.64	10.56
26 05 33 16-0317	EA	Device Mounting Plate (Wiremold 682A) Note: Device plate that will accept up to two (2) ports of communication devices. For use in either of the two side compartments only. Not for use in the center compartment. Communication devices supplied by others.	22.35	5.87
26 05 33 16-0318	EA	Bottom Housing Assembly (Wiremold 5PTHA) Note: Half-gang pass through housing assembly. Designed to allow pass through of communication cables when no conduit is required. For use on side compartments only.	23.26	5.87
26 05 33 16-0319	EA	Bottom Housing Assembly (Wiremold 5BLH) Note: Half-gang blank housing assembly. Designed to blank off compartment when no cable pass through is required. For use on side compartments only. Includes tunnels for 6" and 8" poke-thru devices.	23.91	5.87
26 05 33 16-0320	EA	Bottom Housing Assembly (Wiremold 152CHA) Note: One and a half-gang 2" trade size conduit housing assembly. Recommended for use with furniture feed devices (6ATCFF). Covers the center compartment and one of the side compartments.	37.02	11.74
26 05 33 16-0321	EA	Bottom Housing Assembly (Wiremold 575CHA) Note: Half-gang 3/4" trade size conduit housing assembly. Includes junction box attached to 3/4" trade size conduit for electrical power connections. For use on side compartments only.	42.56	14.67
26 05 33 16-0322	EA	Bottom Housing Assembly (Wiremold 175CHA) Note: One-gang 3/4" trade size conduit housing assembly. Includes junction box attached to 3/4" trade size conduit for electrical power connections.	46.77	14.67
26 05 33 16-0323	EA	Bottom Housing Assembly (Wiremold 1125CHA) Note: One-gang 1 1/4" trade size conduit housing assembly.	35.60	11.74
26 05 33 16-0324	EA	Bottom Housing Assembly (Wiremold 1PTHA) Note: One-gang pass through housing assembly. Designed to allow pass through of communication cables when no conduit is required.	23.11	5.87
26 05 33 16-0325	EA	Bottom Housing Assembly (Wiremold 1BLH) Note: One-gang blank housing assembly. Designed to blank off compartment when no cable pass through is required.	23.11	5.87
26 05 33 16-0326	EA	Bottom Housing Assembly (Wiremold 15FFHA) Note: One and a half-gang pass through conduit housing assembly. Used for furniture feed applications on the center compartment only. Only for use with 6AT Series units.	24.32	5.87
26 05 33 16-0327	EA	Bottom Housing Assembly (Wiremold 1BHA) Note: One-gang bottom housing assembly. Designed to accept 175CHA, 1125CHA, 1PTHA, and 1BLH plates.	25.14	5.87
26 05 33 16-0328		Evolution 8AT Poke Thru Units (26 05 33 16-0284) Note: Excludes concrete drilling.		
26 05 33 16-0329	EA	Recessed Prewired Assembly With Surface Style Cover (Wiremold 8ATCP) Note: For carpet, tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	1,051.79	46.95
26 05 33 16-0330	EA	Recessed Prewired Assembly With Flush Style Cover (Wiremold 8ATP) Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" [83mm] below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	1,001.31	46.95
26 05 33 16-0331	EA	Recessed Prewired Assembly With Flush Style Cover (Wiremold 8AT2P) Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" [83mm] below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	1,063.21	46.95
26 05 33 16-0332	EA	Recessed Assembly With Surface Style Cover (Wiremold 8ATC) Note: For carpet, tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	991.81	46.95
26 05 33 16-0333	EA	Recessed Assembly With Flush Style Cover (Wiremold 8AT) Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	982.80	46.95
26 05 33 16-0334	EA	Recessed Assembly With Disposable Plate (Wiremold 8STC) Note: Includes 8" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 8CTC and 8CT Series.	595.34	44.01
26 05 33 16-0335	EA	Recessed Prewired Assembly With Disposable Plate (Wiremold 8STCP) Note: Includes 8" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 8CTC and 8CT Series.	666.45	44.01
26 05 33 16-0336	EA	8" Pre-Pour Poke-Thru Sleeve (Wiremold 8PPS) Note: Non-metallic sleeve attaches to structural decking and maintains 8" to 8 1/8" diameter cast in core hole. Unit includes three (3) attachment legs, two (2) end caps and three (3) thumb screws.	170.19	23.47
26 05 33 16-0337	EA	Surface Style Cover Assembly (Wiremold 8CTC) Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze. 8CTC Series Cover Assemblies designed for use with 8STC and 8STCP Poke-Thru Stem Assemblies.	349.01	11.74
26 05 33 16-0338	EA	Flush Style Cover Assembly (Wiremold 8CT) Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze. 8CTC Series Cover Assemblies designed for use with 8STC and 8STCP Poke-Thru Stem Assemblies. Includes one (1) 8TS Tile Shim.	349.01	11.74
26 05 33 16-0339	EA	Tile Shim (Wiremold 8TS) Note: Used for floor coverings greater than 5/16". The 8TS will allow the top surface of the cover to be flush with the finished floor. Includes: two (2) 1/8" thick shims and two (2) 1/16" thick shims. Up to a total of 3/8" [9.5mm] of adjustment.	60.58	2.94
26 05 33 16-0340	EA	Device Mounting Plate (Wiremold 8B) Note: Singlegang device plate used to blank off any one (1) of the three (3) gangs in the center compartment, when no devices are used.	20.24	5.87

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 16-0341	EA	Device Mounting Plate (Wiremold 8DP).....	20.35	5.87
		Note: Singlegang device plate that accepts standard 20 amperes duplex receptacle or a duplex Turnlok receptacle. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.		
26 05 33 16-0342	EA	Device Mounting Plate (Wiremold 8DEC).....	20.48	5.87
		Note: Singlegang device plate that will accept Decorator style devices such as 20 amperes receptacles, GGCI's, 106 adapters or A/V devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.		
26 05 33 16-0343	EA	Device Mounting Plate (Wiremold 8ACT6A).....	23.63	5.87
		Note: Singlegang device plate that will accept up to six (6) ports of communication devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.		
26 05 33 16-0344	EA	Mosaic Mounting Plate (Wiremold 8MOS).....	28.49	5.87
		Note: Device plate accepts three (3) standard Mosaic devices. Devices supplied by others.		
26 05 33 16-0345	EA	Crestron Double Gang Plate (Wiremold 8CREST).....	28.44	5.87
		Note: Device plate accepts Crestron double-gang decorator style devices.		
26 05 33 16-0346	EA	Device Mounting Plate (Wiremold 8S1).....	19.65	5.87
		Note: Receptacle opening 1 3/8". For 8" poke-thru units only.		
26 05 33 16-0347	EA	Device Mounting Plate (Wiremold 8S2).....	19.89	5.87
		Note: Receptacle opening 1 9/16". For 8" poke-thru units only.		
26 05 33 16-0348	EA	Device Mounting Plate (Wiremold 8TRAC).....	19.65	5.87
		Note: Singlegang device plate that will accept up to six (6) Ortronics TracJack devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.		
26 05 33 16-0349	EA	Device Mounting Plate (Wiremold 8SER).....	19.65	5.87
		Note: Singlegang device plate that will accept up to three (3) Ortronics Series II dual modular inserts. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.		
26 05 33 16-0350	EA	Device Mounting Plate (Wiremold 8MAAP).....	28.05	5.87
		Note: Singlegang device plate that will accept up to four (4) Extron® Electronics MAAP style plates. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.		
26 05 33 16-0351	EA	Device Mounting Plate (Wiremold 8AAP).....	23.49	5.87
		Note: Two-gang device plate that will accept up to four (4) Extron® Electronics AAP style plates. 8AAP takes up 2 of the 3 gangs in the center compartment. Devices supplied by others.		
26 05 33 16-0352	EA	8" Divider (Wiremold 8DIV).....	26.98	5.87
		Note: Divider allows for separation of services when required.		
26 05 33 16-0353	EA	Bottom Housing Assembly (Wiremold 22CHA).....	37.02	11.74
		Note: Two-gang 2" trade size conduit housing assembly. Used on 8AT Series devices. Covers two (2) of the three (3) gangs in the center compartment. Only for use with 8AT Series units.		

26 05 33 23 Surface Raceways for Electrical Systems (26 05 33)**26 05 33 23-0001 Raceways (26 05 33 23)****26 05 33 23-0002 Wireway With Screw Cover (26 05 33 23-0001)**

Note: Also known as wire trough. Galvanized steel construction. Mounted exposed on flat wall surface.

26 05 33 23-0003 2-1/2" x 2-1/2", Wireway With Screw Cover (26 05 33 23-0002)

26 05 33 23-0004	LF	2-1/2" x 2-1/2", NEMA 1, Surface Mounted Wireway With Screw Cover	26.30	5.36
		For Combination Hinged Screw Cover, Add	0.78	
		For Concrete Or Masonry Surface, Add	0.54	
26 05 33 23-0005	EA	2-1/2" x 2-1/2", End Plate For Surface Mounted Wireway With Screw Cover	21.73	8.04
		For Combination Hinged Screw Cover, Add	0.28	
26 05 33 23-0006	EA	2-1/2" x 2-1/2", Coupling For Surface Mounted Wireway With Screw Cover	25.70	10.03
		For Combination Hinged Screw Cover, Add	0.28	
26 05 33 23-0007	EA	2-1/2" x 2-1/2", Panel Adapter For Surface Mounted Wireway With Screw Cover	54.09	18.77
		For Combination Hinged Screw Cover, Add	0.83	
26 05 33 23-0008	EA	2-1/2" x 2-1/2", Elbow For Surface Mounted Wireway With Screw Cover	87.08	18.77
		For Combination Hinged Screw Cover, Add	2.48	
26 05 33 23-0009	EA	2-1/2" x 2-1/2", Tee For Surface Mounted Wireway With Screw Cover	128.99	26.70
		For Combination Hinged Screw Cover, Add	3.78	
26 05 33 23-0010	EA	2-1/2" x 2-1/2", Cross For Surface Mounted Wireway With Screw Cover	144.79	29.49
		For Combination Hinged Screw Cover, Add	4.29	

26 05 33 23-0011 4" x 4", Wireway With Screw Cover (26 05 33 23-0002)

26 05 33 23-0012	LF	4" x 4", NEMA 1, Surface Mounted Wireway With Screw Cover	32.21	6.76
		For Combination Hinged Screw Cover, Add	0.94	
		For Concrete Or Masonry Surface, Add	0.67	
26 05 33 23-0013	LF	4" x 4", NEMA 3R, Surface Mounted Wireway With Screw Cover	57.81	6.76
		For Combination Hinged Screw Cover, Add	2.22	
		For Concrete Or Masonry Surface, Add	0.67	
26 05 33 23-0014	EA	4" x 4", End Plate For Surface Mounted Wireway With Screw Cover	17.68	5.90
		For Combination Hinged Screw Cover, Add	0.29	
26 05 33 23-0015	EA	4" x 4", Coupling For Surface Mounted Wireway With Screw Cover	28.41	11.26
		For Combination Hinged Screw Cover, Add	0.29	
26 05 33 23-0016	EA	4" x 4", Panel Adapter For Surface Mounted Wireway With Screw Cover	63.90	22.95
		For Combination Hinged Screw Cover, Add	0.90	
26 05 33 23-0017	EA	4" x 4", Elbow For Surface Mounted Wireway With Screw Cover	100.17	22.95
		For Combination Hinged Screw Cover, Add	2.71	
26 05 33 23-0018	EA	4" x 4", Tee For Surface Mounted Wireway With Screw Cover	141.83	29.81
		For Combination Hinged Screw Cover, Add	4.11	
26 05 33 23-0019	EA	4" x 4", Cross For Surface Mounted Wireway With Screw Cover	163.85	34.85
		For Combination Hinged Screw Cover, Add	4.71	

26 05 33 23-0020 6" x 6", Wireway With Screw Cover (26 05 33 23-0002)

26 05 33 23-0021	LF	6" x 6", NEMA 1, Surface Mounted Wireway With Screw Cover	48.14	8.04
		For Combination Hinged Screw Cover, Add	1.60	
		For Concrete Or Masonry Surface, Add	0.81	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0022	LF	6" x 6", NEMA 3R, Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	93.01 3.85 0.81	8.04
26 05 33 23-0023	EA	6" x 6", End Plate For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	22.35 0.47	6.44
26 05 33 23-0024	EA	6" x 6", Coupling For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	36.30 0.47	13.41
26 05 33 23-0025	EA	6" x 6", Panel Adapter For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	90.15 1.84	26.70
26 05 33 23-0026	EA	6" x 6", Elbow For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	128.46 3.76	26.70
26 05 33 23-0027	EA	6" x 6", Tee For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	201.69 6.75	33.35
26 05 33 23-0028	EA	6" x 6", Cross For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	218.65 7.07	38.60
26 05 33 23-0029 8" x 8", Wireway With Screw Cover (26 05 33 23-0002)				
26 05 33 23-0030	LF	8" x 8", NEMA 1, Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	77.58 3.00 0.88	8.79
26 05 33 23-0031	LF	8" x 8", NEMA 3R, Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	141.49 6.20 0.88	8.79
26 05 33 23-0032	EA	8" x 8", End Plate For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	24.61 0.53	6.97
26 05 33 23-0033	EA	8" x 8", Coupling For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	39.63 0.53	14.48
26 05 33 23-0034	EA	8" x 8", Panel Adapter For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	100.60 2.09	29.38
26 05 33 23-0035	EA	8" x 8", Elbow For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	162.81 5.20	29.38
26 05 33 23-0036	EA	8" x 8", Tee For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	242.47 8.50	36.25
26 05 33 23-0037	EA	8" x 8", Cross For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	338.35 12.52	43.97
26 05 33 23-0038 10" x 10", Wireway With Screw Cover (26 05 33 23-0002)				
26 05 33 23-0039	LF	10" x 10", NEMA 1, Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	112.56 4.61 1.02	10.19
26 05 33 23-0040	LF	10" x 10", NEMA 3R, Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	199.05 8.93 1.02	10.19
26 05 33 23-0041	EA	10" x 10", End Plate For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	34.41 0.92	8.04
26 05 33 23-0042	EA	10" x 10", Coupling For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	50.50 0.92	16.08
26 05 33 23-0043	EA	10" x 10", Panel Adapter For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	134.03 3.50	31.95
26 05 33 23-0044	EA	10" x 10", Elbow For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	257.44 9.67	31.95
26 05 33 23-0045	EA	10" x 10", Tee For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	389.16 15.43	40.32
26 05 33 23-0046	EA	10" x 10", Cross For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	554.90 23.19	45.57
26 05 33 23-0047 12" x 12", Wireway With Screw Cover (26 05 33 23-0002)				
26 05 33 23-0048	LF	12" x 12", NEMA 1, Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	132.20 5.38 1.23	12.33
26 05 33 23-0049	LF	12" x 12", NEMA 3R, Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	219.11 9.72 1.23	12.33
26 05 33 23-0050	EA	12" x 12", End Plate For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	45.16 1.40	8.58
26 05 33 23-0051	EA	12" x 12", Coupling For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	62.33 1.40	17.15
26 05 33 23-0052	EA	12" x 12", Panel Adapter For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	175.61 5.30	34.85
26 05 33 23-0053	EA	12" x 12", Elbow For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	339.05 13.47	34.85
26 05 33 23-0054	EA	12" x 12", Tee For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	437.20 17.57	42.89
26 05 33 23-0055	EA	12" x 12", Cross For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	711.81 30.77	48.26
26 05 33 23-0056		Surface Metal Raceways (26 05 33 23-0001) Note: Exposed on flat wall surface.		
26 05 33 23-0057		One Piece Surface Metal Raceways (26 05 33 23-0056) Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. (Wiremold or approved equal).		

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 23-0058	3/4" x 17/32" One Piece Surface Metal Raceways (Wiremold #500)	(26 05 33 23-0057)		
	Note: Available in ivory.			
26 05 33 23-0059	LF 3/4" x 17/32" One Piece Surface Metal Raceway (Wiremold #500)		4.80	1.60
	For Concrete Or Masonry Surface, Add			0.16
26 05 33 23-0060	EA Bushing (Wiremold #502)		4.67	2.15
26 05 33 23-0061	EA One Or Two Hole Strap (Wiremold #504)		4.71	2.15
26 05 33 23-0062	EA Connection Cover (Wiremold #506)		4.90	2.15
26 05 33 23-0063	EA Flat 90 Degree Elbow (Wiremold #511)		7.47	2.58
26 05 33 23-0064	EA Flat 45 Degree Elbow (Wiremold #512)		12.51	2.68
26 05 33 23-0065	EA Adjustable Internal Elbow (Wiremold #517)		9.32	3.22
26 05 33 23-0066	EA Adjustable External Elbow (Wiremold #518)		9.11	3.22
26 05 33 23-0067	3/4" x 21/32" One Piece Surface Metal Raceways (Wiremold #700)	(26 05 33 23-0057)		
	Note: Available in ivory and white.			
26 05 33 23-0068	LF 3/4" x 21/32" One Piece Surface Metal Raceway (Wiremold #700)		6.05	2.15
	For Concrete Or Masonry Surface, Add			0.21
26 05 33 23-0069	EA Bushing (Wiremold #702)		4.79	2.15
26 05 33 23-0070	EA One Or Two Hole Strap (Wiremold #704)		4.94	2.15
26 05 33 23-0071	EA Connection Cover (Wiremold #706)		4.98	2.15
26 05 33 23-0072	EA Flat 90 Degree Elbow (Wiremold #711)		11.00	4.29
26 05 33 23-0073	EA Flat 45 Degree Elbow (Wiremold #712)		17.45	4.29
26 05 33 23-0074	EA Adjustable Internal Elbow (Wiremold #717)		11.89	4.29
26 05 33 23-0075	EA Adjustable External Elbow (Wiremold #718)		11.48	4.29
26 05 33 23-0076	One Piece Surface Metal Raceways Fittings (Wiremold #500 And 700 Fittings)	(26 05 33 23-0057)		
	Note: Available in ivory.			
26 05 33 23-0077	EA 18" Flex Fitting, For #500 Or 700 (Wiremold #5700F)		33.40	3.22
26 05 33 23-0078	EA Galvanized Coupling For #500 Or 700 (Wiremold #5701)		4.92	2.15
26 05 33 23-0079	EA Supporting Clip, For #500 Or 700 (Wiremold #5703)		4.92	2.15
26 05 33 23-0080	EA Ground Clamp (Wiremold #5709)		14.46	3.22
26 05 33 23-0081	EA Grounding Connector (Wiremold #5709GC)		12.18	3.22
26 05 33 23-0082	EA L Or R (Left Or Right) Twisted Internal Elb (Wiremold #5711)		13.79	4.29
26 05 33 23-0083	EA Tee (Wiremold #5715)		15.48	5.36
26 05 33 23-0084	EA 2-1/2" x 2-3/8" x 2-1/2" Corner Box (Wiremold #5719)		27.22	4.29
26 05 33 23-0085	EA Utility Box For #500 Or #700 (Wiremold #57242)		20.89	4.29
26 05 33 23-0086	EA 2-3/8" Diameter, Blank Cover (Wiremold #5731)		11.21	2.68
26 05 33 23-0087	EA 3" Diameter, Outlet Box (Wiremold #5733)		25.92	4.29
26 05 33 23-0088	EA 4-3/4" Square x 1-3/8" Deep, Distribution Box (Wiremold #5735)		25.82	4.29
26 05 33 23-0089	EA 4-3/8" Blank Cover (Wiremold #5736)		11.88	2.68
26 05 33 23-0090	EA 4-3/4" Diameter, Extension Box/Open Base (Wiremold #5737)		23.44	4.29
26 05 33 23-0091	EA 5-1/2" Diameter, Extension Box/Open Base (Wiremold #5737A)		22.61	4.29
26 05 33 23-0092	EA 4-3/4" Diameter, Fixture Box/Solid Base (Wiremold #5738)		22.80	4.29
26 05 33 23-0093	EA 5-1/2" Diameter, Fixture Box/Solid Base (Wiremold #5738A)		22.80	4.29
26 05 33 23-0094	EA 5-1/2" Diameter, Fan Box/Solid Base (Wiremold #5738AF)		25.82	4.29
26 05 33 23-0095	EA 6-3/8" Diameter, Fixture Box/Solid Base (Wiremold #5739)		25.50	4.29
26 05 33 23-0096	EA 6-3/8" Diameter, Extension Box/Open Base (Wiremold #5739A)		27.24	4.29
26 05 33 23-0097	EA Standard Switch Box For #500, Or #700 (Wiremold #57240)		30.57	6.97
26 05 33 23-0098	EA Duplex Receptacle And Box, Ground, For #500 Or #700 (Wiremold #57243G)		48.22	13.41
26 05 33 23-0099	EA 2-13/16" x 4-5/8" x 1-3/8" Switch And Receptacle Box For Shallow Type Switches (Wiremold #5741)		22.97	6.97
26 05 33 23-0100	EA 1 Gang, 4-5/8" x 2-7/8" x 2-3/4" Extra Deep Switch And Receptacle Box (Wiremold #5744)		36.68	6.97
26 05 33 23-0101	EA 2 Gang, 4-3/4" x 4-3/4" x 2-3/4" Extra Deep Switch And Receptacle Box (Wiremold #5744-2)		42.12	6.97
26 05 33 23-0102	EA 3 Gang, 4-5/8" x 6-1/2" x 2-3/4" Extra Deep Switch And Receptacle Box (Wiremold #5744-3)		64.24	6.97
26 05 33 23-0103	EA 1 Gang, Signal Box (Wiremold #5744S)		33.26	5.90
26 05 33 23-0104	EA 2 Gang, Signal Box (Wiremold #5744S-2)		37.18	5.90
26 05 33 23-0105	EA 3 Gang, Signal Box (Wiremold #5744S-3)		59.92	5.90
26 05 33 23-0106	EA 4-5/8" x 2-7/8" x 1-3/4" Combination Switch And Receptacle Box With 1/2" KO's (Wiremold #5745)		24.01	6.97
26 05 33 23-0107	EA 4-5/8" x 2-7/8" x 1-3/8", 1 Gang, Shallow Switch And Receptacle Box For Standard Shallow Devices (Wiremold #5747)		21.04	6.97
26 05 33 23-0108	EA 4-3/4" x 4-3/4" x 1-3/8", 2 Gang, Shallow Switch And Receptacle Box For Standard Shallow Devices (Wiremold #5747-2)		29.83	6.97
26 05 33 23-0109	EA 4-5/8" x 6-1/2" x 2-3/4", 3 Gang, Shallow Switch And Receptacle Box For Standard Shallow Devices (Wiremold #5747-3)		58.58	6.97
26 05 33 23-0110	EA 4-5/8" x 2-7/8" x 1-3/4", 1 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748)		22.53	6.97
26 05 33 23-0111	EA 4-3/4" x 4-3/4" x 1-3/4", 2 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-2)		31.61	6.97
26 05 33 23-0112	EA 4-5/8" x 6-1/2" x 1-3/4", 3 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-3)		56.92	6.97
26 05 33 23-0113	EA 4-5/8" x 8-11/32" x 1-3/4", 4 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-4)		84.77	6.97
26 05 33 23-0114	EA 4-5/8" x 10-5/32" x 1-3/4", 5 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-5)		140.15	6.97
26 05 33 23-0115	EA 4-5/8" x 11-31/32" x 1-3/4", 6 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-6)		142.62	6.97
26 05 33 23-0116	EA 4-3/8" x 2-7/8" x 15/16" Shallow Switch And Receptacle Box For Shallow Duplex Devices (Wiremold #5748-S)		22.25	6.97
26 05 33 23-0117	EA 4-5/8" x 2-7/8" x 15/16", 1 Gang, Flush-Type Extension Adapter (Wiremold #5751)		21.61	6.97
26 05 33 23-0118	EA 4-3/4" x 4-3/4" x 15/16", 2 Gang, Flush-Type Extension Adapter (Wiremold #5751-2)		28.94	6.97
26 05 33 23-0119	EA 4-5/8" x 6-1/2" x 15/16", 3 Gang, Flush-Type Extension Adapter (Wiremold #5751-3)		57.48	6.97
26 05 33 23-0120	EA 4-5/8" x 2-7/8" x 1-3/4", 1 Gang, Deep Flush-Type Extension Adapter (Wiremold #5751A)		23.41	6.97
26 05 33 23-0121	EA 4-11/16" x 4-11/16" x 1-3/8", 2 Gang, Alarm Device Box (Wiremold #5752)		30.48	6.97
26 05 33 23-0122	EA 4-11/16" x 4-11/16" x 2-3/4", 2 Gang, Extra Deep Alarm Device Box (Wiremold #5753)		44.17	6.97
26 05 33 23-0123	EA Blank Extension Box (Wiremold #5760)		15.33	2.68
26 05 33 23-0124	EA 1/2" Special Nipple (Wiremold #5780)		14.59	2.68
26 05 33 23-0125	EA 1/2" Box Connector (Wiremold #5781)		9.63	2.68
26 05 33 23-0126	EA 3/4" Box Connector (Wiremold #5781A)		18.32	3.22
26 05 33 23-0127	EA 1/2" Conduit Connector (Wiremold #5782)		9.72	2.68
26 05 33 23-0128	EA 3/4" Conduit Connector (Wiremold #5782A)		23.02	3.22

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0129	EA		1/2" Elbow Conduit Connector (Wiremold #5784)	20.60	3.22
26 05 33 23-0130	EA		Combination Connector, To Any 3-1/4" Or 4" Outlet Box (Wiremold #5785)	11.34	3.22
26 05 33 23-0131	EA		Offset Connector (Wiremold #5786)	19.10	3.22
26 05 33 23-0132	EA		Armor Cable Connector (Wiremold #5790B)	9.87	2.68
26 05 33 23-0133	EA		1/2" Electrical Metallic Tubing (EMT) Connector, For #500 Or 700 (Wiremold #5791)	8.75	2.15
26 05 33 23-0134 1-9/16" x 11/32" One Piece Surface Metal Raceways (Wiremold #1500) (26 05 33 23-0057)					
Note: Galvanized finish.					
26 05 33 23-0135	LF		1-9/16" x 11/32" One Piece Surface Metal Raceway (Wiremold #1500-10)	8.78	2.68
			<i>For Concrete Or Masonry Surface, Add</i>	0.27	
26 05 33 23-0136	EA		Wire Clip (Wiremold #1500WC)	5.42	2.15
26 05 33 23-0137	EA		Bushing (Wiremold #1502)	6.41	2.68
26 05 33 23-0138	EA		2-Hole Strap (Wiremold #1504)	7.24	3.22
26 05 33 23-0139	EA		Flat Elbow (Wiremold #1511)	28.20	10.19
26 05 33 23-0140	EA		Internal Elbow (Wiremold #1517)	29.17	10.19
26 05 33 23-0141	EA		Adapter Fitting (Wiremold #1517B)	31.43	10.19
26 05 33 23-0142	EA		External Elbow (Wiremold #1518)	31.24	10.19
26 05 33 23-0143	EA		Utility Box (Wiremold #1528)	28.43	6.97
26 05 33 23-0144	EA		Junction Box (Wiremold #1542D)	29.33	6.97
26 05 33 23-0145	EA		Duplex Receptacle (Wiremold #1543GL)	57.52	13.41
26 05 33 23-0146	EA		Single Receptacle Box (Wiremold #1546A)	30.23	6.97
26 05 33 23-0147	EA		Duplex Receptacle Box (Wiremold #1546B)	37.12	6.97
26 05 33 23-0148	EA		Telephone Box (Wiremold #1546T)	36.40	6.97
26 05 33 23-0149	EA		Combination Connection (Wiremold #1585)	17.62	3.22
26 05 33 23-0150 2-7/32" x 28/32" One Piece Surface Metal Raceways (Wiremold #2600) (26 05 33 23-0057)					
Note: Galvanized finish.					
26 05 33 23-0151	LF		2-7/32" x 28/32" One Piece Surface Metal Raceway (Wiremold #2600-10)	15.00	4.82
			<i>For Concrete Or Masonry Surface, Add</i>	0.48	
26 05 33 23-0152	EA		Wire Clip (Wiremold #2600WC)	5.58	2.15
26 05 33 23-0153	EA		Fiber Bushing (Wiremold #2602)	6.29	2.15
26 05 33 23-0154	EA		2-5/8", 90 Degree Flat Elbow (Wiremold #2611)	23.49	3.75
26 05 33 23-0155	EA		5" Diameter, Junction Box (Wiremold #2642D)	35.22	5.36
26 05 33 23-0156	EA		Service Fitting (Wiremold #2686FO)	34.24	6.44
26 05 33 23-0157 Two Piece Surface Metal Raceways (26 05 33 23-0056)					
Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. (Wiremold or approved equal).					
26 05 33 23-0158 1-9/32" x 3/4" Two Piece Surface Metal Raceways (Wiremold #2000) (26 05 33 23-0157)					
26 05 33 23-0159	LF		1-9/32" x 3/4" Two Piece Surface Metal Raceway Base And Cover (Wiremold #2000BC)	8.21	2.68
			<i>For Concrete Or Masonry Surface, Add</i>	0.27	
26 05 33 23-0160	EA		Wire Clip (Wiremold #2000WC)	3.95	2.15
26 05 33 23-0161	EA		Coupling (Wiremold #2001)	10.57	2.68
26 05 33 23-0162	EA		Supporting Clip (Wiremold #2003)	5.08	1.60
26 05 33 23-0163	EA		Cover Clip (Wiremold #2006)	4.72	1.60
26 05 33 23-0164	EA		Ground Clamp (Wiremold #2009)	12.14	2.68
26 05 33 23-0165	EA		Entrance End Fitting (Wiremold #2010A2)	24.19	8.04
26 05 33 23-0166	EA		Entrance End Fitting (Wiremold #2010A3)	41.19	10.72
26 05 33 23-0167	EA		Blank End Fitting (Wiremold #2010B)	6.45	2.68
26 05 33 23-0168	EA		Flat 90 Degree Elbow (Wiremold #2011)	20.81	6.97
26 05 33 23-0169	EA		Tee (Wiremold #2015)	38.01	10.08
26 05 33 23-0170	EA		Internal Corner Coupling (Wiremold #2017TC)	13.39	5.36
26 05 33 23-0171	EA		Single Gang Device Box (Wiremold #2048)	31.45	9.54
26 05 33 23-0172	EA		2-Gang device Box (Wiremold #2048-2)	49.32	10.62
26 05 33 23-0173	EA		Flush Plate Adapter (Wiremold #2051H)	34.09	10.62
26 05 33 23-0174	EA		Side Reducing Connector (Wiremold #2089)	27.90	5.36
26 05 33 23-0175	EA		#2089E End Reducing Connector	11.54	2.68
26 05 33 23-0176 1-7/8" x 7/8" Two Piece Surface Metal Raceways (Wiremold #2400) (26 05 33 23-0157)					
Note: Available in gray enamel (G) or ivory (V).					
26 05 33 23-0177	LF		1-7/8" x 7/8" Two Piece Surface Metal Raceway Base (Wiremold #2400B)	7.30	2.68
			<i>For Concrete Or Masonry Surface, Add</i>	0.27	
26 05 33 23-0178	LF		1-7/8" x 7/8" Divided Two Piece Surface Metal Raceway Base (Wiremold #2400BD)	8.08	2.68
			<i>For Concrete Or Masonry Surface, Add</i>	0.27	
26 05 33 23-0179	LF		Raceway Cover (Wiremold #2400C)	3.05	0.53
26 05 33 23-0180	EA		Wire Clip (Wiremold #2400WC)	4.07	2.15
26 05 33 23-0181	EA		Coupling (Wiremold #2401)	10.62	2.68
26 05 33 23-0182	EA		Divided Raceway Coupling (Wiremold #2401D)	9.08	2.68
26 05 33 23-0183	EA		Cover Clip (Wiremold #2406)	4.99	1.60
26 05 33 23-0184	EA		Device Bracket Frame (Wiremold #2407-2CM)	38.18	8.04
26 05 33 23-0185	EA		Device Bracket Frame (Wiremold #2407-2TJ)	36.49	8.04
26 05 33 23-0186	EA		Ground Clamp (Wiremold #2409)	10.12	2.15
26 05 33 23-0187	EA		End Fitting (Wiremold #2410A)	24.35	8.04
26 05 33 23-0188	EA		Blank End (Wiremold #2410B)	6.69	2.68
26 05 33 23-0189	EA		Divided Blank End Fitting (Wiremold #2410BD)	6.78	2.68
26 05 33 23-0190	EA		Entrance End Fitting (Wiremold #2410C)	38.02	8.04
26 05 33 23-0191	EA		Divided Entrance End Fitting (Wiremold #2410D)	36.38	8.04
26 05 33 23-0192	EA		Divided Entrance End Fitting (Wiremold #2410DFO)	60.88	8.04
26 05 33 23-0193	EA		Full Cap Entrance End Fitting (Wiremold #2410FC)	46.18	8.04

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
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 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 23-0194	EA	Divided Flat 90 Degree Elbow (Wiremold #2411D)	27.53	8.04
26 05 33 23-0195	EA	Radiused Divided Flat 90 Degree Elbow (Wiremold #2411DFO)	45.27	8.04
26 05 33 23-0196	EA	Radiused Flat 90 Degree Elbow (Wiremold #2411FO)	40.35	7.93
26 05 33 23-0197	EA	Flat 90 Degree Elbow (Wiremold #2411M)	26.15	8.04
26 05 33 23-0198	EA	Radiused Divided Tee (Wiremold #2415DFO)	48.73	7.93
26 05 33 23-0199	EA	Radiused Tee (Wiremold #2415FO)	46.24	7.93
26 05 33 23-0200	EA	Tee (Wiremold #2415M)	31.38	7.93
26 05 33 23-0201	EA	Divided Internal Coupling (Wiremold #2417D)	25.85	7.93
26 05 33 23-0202	EA	Radiused Divided Internal Coupling (Wiremold #2417DFO)	41.73	7.93
26 05 33 23-0203	EA	Radiused Internal Coupling (Wiremold #2417FO)	40.43	7.93
26 05 33 23-0204	EA	Internal Coupling (Wiremold #2417M)	24.98	7.93
26 05 33 23-0205	EA	Radiused Divided External Coupling (Wiremold #2418DFO)	45.54	7.93
26 05 33 23-0206	EA	Radiused External Coupling (Wiremold #2418FO)	44.77	7.93
26 05 33 23-0207	EA	External Coupling (Wiremold #2418M)	30.81	7.93
26 05 33 23-0208	EA	1 Gang, Extra Deep Switch And Receptacle (Wiremold #2444)	41.49	6.97
26 05 33 23-0209	EA	2 Gang, Extra Deep Switch And Receptacle Box (Wiremold #2444-2)	46.27	6.97
26 05 33 23-0210	EA	Over Raceway, Extra Deep Switch And Receptacle Box, 2 Gang (Wiremold #2444-2LS)	46.51	6.97
26 05 33 23-0211	EA	Divided, 1 Gang, Extra Deep Switch And Receptacle (Wiremold #2444D)	44.49	6.97
26 05 33 23-0212	EA	Divided, 2 Gang, Extra Deep Switch And Receptacle Box (Wiremold #2444D-2A)	63.54	6.97
26 05 33 23-0213	EA	Divided, Over Raceway, 2 Gang, Extra Deep Switch And Receptacle Box (Wiremold #2444D-2N)	55.71	6.97
26 05 33 23-0214	EA	4-5/8" x 2-7/8" x 1-3/4", 1 Gang, Switch And Receptacle Box For Shallow Devices (Wiremold #2448)	28.52	6.97
26 05 33 23-0215	EA	4-3/4" x 4-3/4" x 1-3/4", 2 Gang, Switch And Receptacle Box For Shallow Devices (Wiremold #2448-2)	45.21	6.97
26 05 33 23-0216	EA	Device Bracket Type Adapter Plate (Wiremold #2450)	13.75	2.68
26 05 33 23-0217	EA	4-1/2" x 4-1/2" Back Feed Fitting (Wiremold #2451H)	32.15	8.04
26 05 33 23-0218	EA	Bridge Fitting For 2400/700/500 (Wiremold #2475D)	99.88	8.04
26 05 33 23-0219	EA	Side Reducing Connector (Wiremold #2489)	28.56	4.29

26 05 33 23-0220 2-3/4" x 1-17/32" Two Piece Surface Metal Raceways (Wiremold #3000) (26 05 33 23-0157)

Note: Available in gray enamel (G) or ivory (V).

26 05 33 23-0221	LF	2-3/4" x 1-17/32" Two Piece Surface Metal Raceway Base (Wiremold #3000B)	14.08	4.82
		<i>For Concrete Or Masonry Surface, Add</i>	0.48	
26 05 33 23-0222	LF	Raceway Cover (Wiremold #3000CE)	3.37	0.53
26 05 33 23-0223	EA	Wire Clips For Conductors (Wiremold #3000WC)	5.40	2.15
26 05 33 23-0224	EA	Couplings (Wiremold #3001)	13.91	2.15
26 05 33 23-0225	EA	Rigid Inside Coupling (Wiremold #3001A)	13.87	2.68
26 05 33 23-0226	EA	Supporting Clip (Wiremold #3003)	10.19	2.68
26 05 33 23-0227	EA	Clip Cover (Wiremold #3006E)	5.82	2.15
26 05 33 23-0228	EA	Device Brackets (Wiremold #3007C)	15.14	4.29
26 05 33 23-0229	EA	C-Hanger (Wiremold #3008C)	15.11	3.22
26 05 33 23-0230	EA	Entrance End Fitting For Connecting To 1/2" Conduit Or Armored Connectors (Wiremold #3010AE)	35.05	10.19
26 05 33 23-0231	EA	Blank End Fittings (Wiremold #3010B)	12.80	4.29
26 05 33 23-0232	EA	Entrance End Fitting For Connecting To Rigid Or Flexible Conduit (Wiremold #3010C)	38.87	10.19
26 05 33 23-0233	EA	Flat 90 Degree Elbow (Wiremold #3011E)	58.51	13.29
26 05 33 23-0234	EA	Wall Box Connector (Wiremold #3014C)	41.57	13.41
26 05 33 23-0235	EA	Tee Fitting (Wiremold #3015E)	80.52	16.62
26 05 33 23-0236	EA	Internal Corner Coupling (Wiremold #3017TCE)	37.96	10.19
26 05 33 23-0237	EA	External Corner (Wiremold #3018AE)	46.95	10.19
26 05 33 23-0238	EA	Single Receptacle Cover With Face Diameters Of 1.38" To 1.4" (Wiremold #3027AE)	33.37	10.19
26 05 33 23-0239	EA	Utility Box (Wiremold #3028)	56.90	10.19
26 05 33 23-0240	EA	Single Receptacle Cover With Face Diameters Of 1.56" To 1.57" (Wiremold #3033JE)	18.39	2.68
26 05 33 23-0241	EA	Blank Cover (Wiremold #3036HE)	20.13	2.68
26 05 33 23-0242	EA	Switch Cover (Wiremold #3040CE)	18.35	2.68
26 05 33 23-0243	EA	Duplex Receptacle Cover (Wiremold #3043BE)	22.07	3.22
26 05 33 23-0244	EA	15 Amperes, 125 Volt Duplex Grounding Receptacle And Cover (Wiremold #3043GE)	56.54	13.94
26 05 33 23-0245	EA	2 Gang, Extra Deep Switch And Receptacle Box (Wiremold #3044-2)	64.12	10.19
26 05 33 23-0246	EA	Duplex Receptacle Cover (Wiremold #3046BE)	18.46	3.22
26 05 33 23-0247	EA	Tap Off Fitting (Wiremold #3046H-2)	21.80	2.68
26 05 33 23-0248	EA	1-15/16" Deep x 6" Long, Circuit Breaker Housing (Wiremold #3046KD)	87.27	6.44
26 05 33 23-0249	EA	2-3/4" Deep x 7-3/8" Long, Circuit Breaker Housing (Wiremold #3046KTSQ)	215.93	6.44
26 05 33 23-0250	EA	1-13/16" Deep x 7-3/8" Long, Circuit Breaker Housing (Wiremold #3046QOU)	75.73	6.44
26 05 33 23-0251	EA	1-13/16" Deep x 7-15/16" Long x 2-13/16" Wide, Bump Up Device Plate Cover (Wiremold #3046S)	82.12	6.44
26 05 33 23-0252	EA	1-13/32" Deep x 7-15/16" Long x 2-13/16" Wide, Bump Up Device Plate Cover (Wiremold #3046U)	82.12	6.44
26 05 33 23-0253	EA	Rectangular Receptacle Cover (Wiremold #3048R)	25.75	3.22

26 05 33 23-0254 4-3/4" x 1-3/4" Two Piece Surface Metal Raceways (Wiremold #4000) (26 05 33 23-0157)

Note: Available in gray enamel (G) or ivory (V).

26 05 33 23-0255	LF	4-3/4" x 1-3/4" Two Piece Surface Metal Raceway Base (Wiremold #4000B-10)	17.17	4.82
		<i>For Concrete Or Masonry Surface, Add</i>	0.52	
26 05 33 23-0256	LF	Raceway Cover (Wiremold #4000C)	6.07	0.53
26 05 33 23-0257	LF	Divider (Wiremold #4000D)	2.94	0.53
26 05 33 23-0258	EA	Wire Clips For Conductors (Wiremold #4000WC)	6.59	2.68
26 05 33 23-0259	EA	Couplings (Wiremold #4001A)	17.13	3.22
26 05 33 23-0260	EA	Divider Clip (Wiremold #4001D)	8.05	3.22
26 05 33 23-0261	EA	Seam Clip (Wiremold #4006)	8.19	3.22
26 05 33 23-0262	EA	Single Device Fitting (Wiremold #4007C-1R)	34.35	6.97
26 05 33 23-0263	EA	Blank End Fittings (Wiremold #4010B)	18.23	4.29
26 05 33 23-0264	EA	Entrance End Fitting (Wiremold #4010DFO)	69.98	16.51
26 05 33 23-0265	EA	Flat 90 Degree Elbow (Wiremold #4011)	65.13	13.41
26 05 33 23-0266	EA	Radiused Flat 90 Degree Elbow (Wiremold #4011FO)	77.01	13.41
26 05 33 23-0267	EA	Internal Or External 45 Degree Elbow (Wiremold #4012TX)	70.85	16.62
26 05 33 23-0268	EA	Wall Box Connector (Wiremold #4014A)	94.62	16.62
26 05 33 23-0269	EA	Tee Fitting (Wiremold #4015)	105.06	16.62

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0270	EA	Divided Tee Fitting (Wiremold #4015D).....	109.25	16.62
26 05 33 23-0271	EA	Radiused Full Capacity Divided Tee Fitting (Wiremold #4015DFO).....	130.58	16.62
26 05 33 23-0272	EA	Radiused Tee Fitting (Wiremold #4015FO).....	130.99	16.62
26 05 33 23-0273	EA	Internal Elbow (Wiremold #4017).....	57.47	16.62
26 05 33 23-0274	EA	Internal Elbow (Wiremold #4017FO).....	103.21	16.62
26 05 33 23-0275	EA	Inverted Internal Elbow (Wiremold #4017N).....	63.76	16.62
26 05 33 23-0276	EA	Internal Corner Coupling (Wiremold #4017TCA).....	54.14	16.62
26 05 33 23-0277	EA	External Elbow (Wiremold #4018).....	86.04	16.62
26 05 33 23-0278	EA	Radiused External Elbow (Wiremold #4018FO).....	99.94	16.62
26 05 33 23-0279	EA	Single Locking Receptacle And Two RJ11/45 Modular Connectors Outlet Cover (Wiremold #4046ARJ).....	84.81	6.97
26 05 33 23-0280	EA	Double Duplex Receptacle Outlet Cover (Wiremold #4046B-2).....	89.94	6.97
26 05 33 23-0281	EA	Duplex Receptacle And Two RJ11/45 Modular Connector Cover (Wiremold #4046DRJ).....	89.94	6.97
26 05 33 23-0282	EA	Double Duplex Receptacle And Four RJ11/45 Modular Connector Cover (Wiremold #4046DRJ-2).....	120.35	6.97
26 05 33 23-0283	EA	Tap-Off Fitting (Wiremold #4046H-2).....	25.04	6.97
26 05 33 23-0284	EA	Combination Single Receptacle And Phone Outlet Center (Wiremold #4046JRJ).....	77.31	3.22
26 05 33 23-0285	EA	Rectangular Receptacle And Two RJ11/45 Modular Connector Cover (Wiremold #4046RRJ).....	92.07	6.97
26 05 33 23-0286	EA	1 Gang Device Plate (Wiremold #G4047C-1).....	24.90	6.97
26 05 33 23-0287	EA	2 Gang Device Plate (Wiremold #G4047C-2).....	29.10	6.97
26 05 33 23-0288	EA	Device Mounting Bracket (Wiremold #4050).....	28.28	5.36
26 05 33 23-0289	EA	#4000 To #3000 Take-off Connector (Wiremold #4074A).....	132.59	16.62
26 05 33 23-0290	EA	Bridge Fitting (Wiremold #4075D).....	119.41	16.62
26 05 33 23-0291	EA	Bridge Fitting (Wiremold #4075DA).....	119.41	16.62
26 05 33 23-0292	EA	Panel Connector (Wiremold #4086A).....	95.32	31.63
26 05 33 23-0293	EA	Reducing Connector Fitting (Wiremold #4089).....	58.77	16.62
26 05 33 23-0294 4-3/4" x 3-9/16" Two Piece Surface Metal Raceways (Wiremold #6000) (26 05 33 23-0157)				
Note: Available in gray enamel (G) or ivory (V).				
26 05 33 23-0295	LF	4-3/4" x 3-9/16" Two Piece Surface Metal Raceway Base (Wiremold #6000B-10).....	26.28	5.90
		For Concrete Or Masonry Surface, Add	0.59	
26 05 33 23-0296	LF	Raceway Cover (Wiremold #6000C).....	7.63	1.60
26 05 33 23-0297	LF	Divider (Wiremold #6000DA).....	8.11	1.60
26 05 33 23-0298	EA	Wire Clips For Conductors (Wiremold #6000WC).....	8.02	2.68
26 05 33 23-0299	EA	Couplings (Wiremold #6001A).....	21.66	5.36
26 05 33 23-0300	EA	Divider Clip (Wiremold #6001D).....	10.09	2.68
26 05 33 23-0301	EA	Converter Coupling (Wiremold #6001TX).....	28.05	6.97
26 05 33 23-0302	EA	Connection Cover (Wiremold #6006).....	26.55	6.97
26 05 33 23-0303	EA	Single Gang Device Plate (Wiremold #6007C-1).....	27.91	6.97
26 05 33 23-0304	EA	Two Gang Device Plate (Wiremold #6007C-2).....	30.70	6.97
26 05 33 23-0305	EA	C-Hanger (Wiremold #6008A).....	44.60	10.19
26 05 33 23-0306	EA	Blank End Fittings (Wiremold #6010B).....	46.99	16.08
26 05 33 23-0307	EA	Combination Flat Elbow (Wiremold #6011TX).....	91.30	16.08
26 05 33 23-0308	EA	Internal-External 45 Degree Elbow (Wiremold #6012TX).....	93.04	15.44
26 05 33 23-0309	EA	Connector Fitting (Wiremold #6014A).....	133.95	16.62
26 05 33 23-0310	EA	Combination Internal-External Elbow (Wiremold #6017TX).....	94.24	18.23
26 05 33 23-0311	EA	Circuit Breaker Housing (Wiremold #6046KD).....	167.13	18.23
26 05 33 23-0312	EA	#6000 To #6000 Take-off Connector (Wiremold #6074).....	161.62	16.08
26 05 33 23-0313	EA	#6000 To #4000 Take-off Connector (Wiremold #6074A).....	175.15	16.08
26 05 33 23-0314	EA	Panel Connector (Wiremold #6086).....	100.12	37.32
26 05 33 23-0315 Two Piece Surface Aluminum Raceways (26 05 33 23-0056)				
Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. (Wiremold or approved equal).				
26 05 33 23-0316 1-7/16" x 1-1/8" Two Piece Surface Aluminum Raceways (Wiremold #AL2000) (26 05 33 23-0315)				
26 05 33 23-0317	LF	1-7/16" x 1-1/8" Two Piece Surface Aluminum Raceway Base (Wiremold #AL2000B).....	10.85	2.68
		For Concrete Or Masonry Surface, Add	0.27	
26 05 33 23-0318	LF	Aluminum Raceway Cover (Wiremold #AL2000C).....	5.42	0.53
26 05 33 23-0319	EA	Wire Clip (Wiremold #AL2000WC).....	5.26	2.15
26 05 33 23-0320	EA	Coupling (Wiremold #AL2001).....	11.59	2.68
26 05 33 23-0321	EA	Supporting Clip (Wiremold #AL2003).....	5.69	1.60
26 05 33 23-0322	EA	Cover Clip (Wiremold #AL2006).....	7.22	1.60
26 05 33 23-0323	EA	Ground Clamp (Wiremold #AL2009).....	10.33	2.68
26 05 33 23-0324	EA	Entrance End Fitting (Wiremold #AL2010A).....	28.84	8.04
26 05 33 23-0325	EA	Blank End Fitting (Wiremold #AL2010B).....	9.33	2.68
26 05 33 23-0326	EA	Flat 90 Degree Elbow (Wiremold #AL2011).....	33.48	6.97
26 05 33 23-0327	EA	Tee (Wiremold #AL2015).....	45.39	10.08
26 05 33 23-0328	EA	Internal Corner Elbow (Wiremold #AL2017).....	30.32	5.36
26 05 33 23-0329	EA	External Corner Elbow (Wiremold #AL2018).....	30.26	5.36
26 05 33 23-0330	EA	2 To 15 Amperes, In-Line Receptacle (Wiremold #AL2043).....	49.45	10.62
26 05 33 23-0331	EA	4-13/16" Round Fixture Box (Wiremold #AL2038).....	114.82	9.54
26 05 33 23-0332	EA	4-1/2" x 3" x 2-1/4" D Box (Wiremold #AL2044).....	50.96	9.54
26 05 33 23-0333	EA	4-5/8" x 4-7/8" x 2-1/2" D Box (Wiremold #AL2044-2).....	105.69	10.62
26 05 33 23-0334	EA	Single Gang Shallow Device Box (Wiremold #AL2047).....	52.78	9.54
26 05 33 23-0335	EA	2-Gang Shallow Device Box (Wiremold #AL2047-2).....	93.41	10.62
26 05 33 23-0336	EA	Flush Plate Adapter (Wiremold #AL2051H).....	39.93	10.62
26 05 33 23-0337 2" x 1-9/32" Two Piece Surface Aluminum Raceways (Wiremold #AL2400) (26 05 33 23-0315)				
26 05 33 23-0338	LF	2" x 1-9/32" Two Piece Surface Aluminum Raceway Base (Wiremold #AL2400B).....	12.00	2.68
		For Concrete Or Masonry Surface, Add	0.27	
26 05 33 23-0339	LF	Aluminum Raceway Cover (Wiremold #AL2400C).....	5.48	0.53
26 05 33 23-0340	EA	Wire Clip (Wiremold #AL2400WC).....	7.10	2.15

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 23-0341	EA	Coupling (Wiremold #AL2401).....	13.34	2.68
26 05 33 23-0342	EA	Cover Clip (Wiremold #AL2406).....	9.23	1.60
26 05 33 23-0343	EA	Ground Clamp (Wiremold #AL2409).....	8.12	2.15
26 05 33 23-0344	EA	Blank End (Wiremold #AL2410B).....	10.20	2.68
26 05 33 23-0345	EA	End Fitting (Wiremold #AL2410B2).....	21.95	8.04
26 05 33 23-0346	EA	Flat 90 Degree Elbow (Wiremold #AL2411).....	39.83	8.04
26 05 33 23-0347	EA	Tee (Wiremold #AL2415).....	43.42	7.93
26 05 33 23-0348	EA	Fourway Fitting (Wiremold #AL2416).....	50.95	7.93
26 05 33 23-0349	EA	Internal Coupling (Wiremold #AL2417).....	39.69	7.93
26 05 33 23-0350	EA	External Coupling (Wiremold #AL2418).....	42.72	7.93
26 05 33 23-0351	EA	4-1/2" x 4-1/2" Back Feed Fitting (Wiremold #AL2451H).....	35.56	8.04

26 05 33 23-0352 2-7/8" x 1-7/8" Two Piece Surface Aluminum Raceways (Wiremold #AL3300)
(26 05 33 23-0315)

26 05 33 23-0353	LF	2-7/8" x 1-7/8" Two Piece Surface Aluminum Raceway Base (Wiremold #AL3300B).....	22.10	4.82
		<i>For Concrete Or Masonry Surface, Add</i>	0.48	
26 05 33 23-0354	LF	Aluminum Raceway Cover (Wiremold #AL3300CE).....	6.73	0.53
26 05 33 23-0355	LF	Raceway Divider (Wiremold #AL3300D).....	5.52	4.82
26 05 33 23-0356	EA	Wire Clips For Conductors (Wiremold #AL3300WC).....	10.66	2.15
26 05 33 23-0357	EA	Couplings (Wiremold #AL3301).....	18.94	2.15
26 05 33 23-0358	EA	Divider Coupling (Wiremold #AL3301D).....	16.07	2.68
26 05 33 23-0359	EA	Ground Clamp (Wiremold #AL3309).....	10.72	2.15
26 05 33 23-0360	EA	Blank End Fittings (Wiremold #AL3310B).....	22.35	4.29
26 05 33 23-0361	EA	End Fitting (Wiremold #AL3310B1).....	35.53	10.19
26 05 33 23-0362	EA	Flat 90 Degree Elbow (Wiremold #AL3311).....	112.32	13.29
		Note: Includes two (2) AL3301 couplings.		
26 05 33 23-0363	EA	Tee Fitting (Wiremold #AL3315).....	128.51	16.62
		Note: Includes three (3) AL3301 couplings.		
26 05 33 23-0364	EA	Cross Fitting (Wiremold #AL3316).....	145.86	16.62
		Note: Includes four (4) AL3301 couplings.		
26 05 33 23-0365	EA	Internal Elbow (Wiremold #AL3317).....	105.78	10.19
		Note: Includes two (2) AL3301 couplings.		
26 05 33 23-0366	EA	External Elbow (Wiremold #AL3318).....	105.89	10.19
		Note: Includes two (2) AL3301 couplings.		
26 05 33 23-0367	EA	Duplex Receptacle Cover (Wiremold #AL3346D).....	23.25	3.22
26 05 33 23-0368	EA	Single Receptacle Cover (Wiremold #AL3346E).....	23.10	3.22
26 05 33 23-0369	EA	GFCI/ Surge Receptacle Cover (Wiremold #AL3346G).....	22.84	3.22
26 05 33 23-0370	EA	Single Device Cover Plate (Wiremold #AL3356R).....	22.98	2.68

26 05 33 23-0371 5" x 2" Two Piece Surface Aluminum Raceways (Wiremold #AL5200)
(26 05 33 23-0315)

26 05 33 23-0372	LF	5" x 2" Two Piece Surface Aluminum Raceway Base (Wiremold #AL5200B-10).....	26.48	4.82
		<i>For Concrete Or Masonry Surface, Add</i>	0.52	
26 05 33 23-0373	LF	Aluminum Raceway Cover (Wiremold #AL5200C).....	11.02	0.53
26 05 33 23-0374	LF	Divider (Wiremold #AL5200D).....	6.43	0.53
26 05 33 23-0375	EA	Wire Clips For Conductors (Wiremold #AL5200WC).....	8.78	2.68
26 05 33 23-0376	EA	Wire Clips For Conductors (Wiremold #AL5200WC2).....	7.34	2.68
26 05 33 23-0377	EA	Wire Clips For Conductors (Wiremold #AL5200WC3).....	7.29	2.68
26 05 33 23-0378	EA	Couplings (Wiremold #AL5201).....	16.99	3.22
26 05 33 23-0379	EA	Cover Clip (Wiremold #AL5206).....	15.16	3.22
26 05 33 23-0380	EA	Ground Adapter (Wiremold #AL5209).....	18.79	3.22
26 05 33 23-0381	EA	Blank End Fittings (Wiremold #AL5210B).....	19.91	4.29
26 05 33 23-0382	EA	Blank End Fittings (Wiremold #AL5210B1).....	21.40	4.29
26 05 33 23-0383	EA	Blank End Fittings (Wiremold #AL5210B2).....	21.73	4.29
26 05 33 23-0384	EA	Blank End Fittings (Wiremold #AL5210B3).....	21.05	4.29
26 05 33 23-0385	EA	Flat 90 Degree Elbow (Wiremold #AL5211).....	110.87	13.41
		Note: Includes two (2) pairs of AL5201 couplings.		
26 05 33 23-0386	EA	Wall Box Connector (Wiremold #AL5214).....	86.59	16.62
26 05 33 23-0387	EA	Tee Fitting (Wiremold #AL5215).....	129.64	16.62
		Note: Includes three (3) pairs of AL5201 couplings.		
26 05 33 23-0388	EA	Four Way Fitting (Wiremold #AL5216).....	142.38	16.62
		Note: Includes four (4) pairs of AL5201 couplings.		
26 05 33 23-0389	EA	Internal Elbow (Wiremold #AL5217).....	114.81	16.62
		Note: Includes two (2) pairs of AL5201 couplings.		
26 05 33 23-0390	EA	Internal Corner Coupling (Wiremold #AL5217A).....	47.75	16.62
26 05 33 23-0391	EA	Inverted Internal Elbow (Wiremold #AL5217N).....	118.06	16.62
26 05 33 23-0392	EA	External Elbow (Wiremold #AL5218).....	115.82	16.62
		Note: Includes two (2) pairs of AL5201 couplings.		
26 05 33 23-0393	EA	Blank Device Cover Plate (Wiremold #AL5246B).....	24.87	3.22
26 05 33 23-0394	EA	Receptacle Device Cover Plate (Wiremold #AL5246D).....	29.53	3.22
26 05 33 23-0395	EA	Double Receptacle Device Cover Plate (Wiremold #AL5246DD).....	35.11	3.22
26 05 33 23-0396	EA	Device Cover Plate (Wiremold #AL5246F).....	32.91	3.22
26 05 33 23-0397	EA	Device Cover Plate (Wiremold #AL5246G).....	30.36	3.22
26 05 33 23-0398	EA	Offset Divider (Wiremold #AL5260).....	28.21	6.97

26 05 33 23-0399 3" x 2-1/4" Two Piece Surface Aluminum Raceways (Wiremold #ALA3800)
(26 05 33 23-0315)

26 05 33 23-0400	LF	Single Channel, 3" x 2-1/4" Two Piece Surface Aluminum Raceway Base (Wiremold #ALA3800B-10).....	23.52	4.82
26 05 33 23-0401	EA	Cover Clip (Wiremold #ALA3806).....	11.17	3.22
26 05 33 23-0402	EA	Blank End Fittings (Wiremold #ALA3810B).....	19.73	4.29
26 05 33 23-0403	EA	Entrance End Cap Fittings (Wiremold #ALA3810B1).....	21.24	4.29
26 05 33 23-0404	EA	Flat 90 Degree Elbow (Wiremold #ALA3811).....	109.73	13.41
		Note: Includes two (2) ALA01 couplings.		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0405	EA	Flat Tee Fitting (Wiremold #ALA3815)..... Note: Includes three (3) ALA01 couplings.	112.92	16.62
26 05 33 23-0406	EA	Internal Elbow (Wiremold #ALA3817)..... Note: Includes two (2) ALA01 couplings.	110.05	16.62
26 05 33 23-0407	EA	Inverted Internal Elbow (Wiremold #ALA3817N) Note: Includes two (2) ALA01 couplings.	129.86	16.62
26 05 33 23-0408	EA	External Elbow (Wiremold #ALA3818)..... Note: Includes two (2) ALA01 couplings.	111.52	16.62
26 05 33 23-0409		6" x 2-1/4" Two Piece Surface Aluminum Raceways (Wiremold #ALA4800) (26 05 33 23-0315)		
26 05 33 23-0410	LF	Two Channel, 6" x 2-1/4" Two Piece Surface Aluminum Raceway Base (Wiremold #ALA4800B-10).....	35.16	4.82
26 05 33 23-0411	EA	Cover Clip (Wiremold #ALA4806).....	15.25	3.22
26 05 33 23-0412	EA	Blank End Fittings (Wiremold #ALA4810B).....	19.96	4.29
26 05 33 23-0413	EA	Entrance End Cap Fittings (Wiremold #ALA4810B2).....	22.21	4.29
26 05 33 23-0414	EA	Flat 90 Degree Elbow (Wiremold #ALA4811)..... Note: Includes four (4) ALA01 couplings.	129.63	13.41
26 05 33 23-0415	EA	Flat Tee Fitting (Wiremold #ALA4815)..... Note: Includes six (6) ALA01 couplings.	177.38	16.62
26 05 33 23-0416	EA	Internal Elbow (Wiremold #ALA4817)..... Note: Includes four (4) ALA01 couplings.	119.90	16.62
26 05 33 23-0417	EA	Inverted Internal Elbow (Wiremold #ALA4817N) Note: Includes four (4) ALA01 couplings.	141.08	16.62
26 05 33 23-0418	EA	External Elbow (Wiremold #ALA4818)..... Note: Includes four (4) ALA01 couplings.	125.87	16.62
26 05 33 23-0419		Two Piece Surface Aluminum Raceways Fittings (Wiremold #ALA3800 And #ALA4800) (26 05 33 23-0315) See CSI section 26 27 26 00-0010 for receptacles.		
26 05 33 23-0420	LF	3" Wide Aluminum Raceway Cover (Wiremold #ALAC-5)..... Note: For use with ALA3800 single channel raceway and ALA4800 dual channel raceway.	7.59	0.53
26 05 33 23-0421	EA	Wire Clips (Wiremold #ALAWC).....	6.85	2.68
26 05 33 23-0422	EA	Slide Couplings (Wiremold #ALA01).....	17.19	3.22
26 05 33 23-0423	EA	Grounding Adapter (Wiremold #ALA09).....	14.70	3.22
26 05 33 23-0424	EA	Bend Radius Control Insert For Flat Elbow (Wiremold #ALA11RI).....	39.98	13.41
26 05 33 23-0425	EA	Internal Corner Coupling (Wiremold #ALA17A).....	47.71	16.62
26 05 33 23-0426	EA	Bend Radius Control Insert For Internal And External Elbow (Wiremold #ALA17/18RI).....	44.45	13.41
26 05 33 23-0427	EA	Blank Cover Plate (Wiremold #ALA-BL).....	18.48	3.22
26 05 33 23-0428	EA	Duplex Receptacle Cover Plate (Wiremold #ALA-DR).....	19.71	3.22
26 05 33 23-0429	EA	Single Receptacle Cover Plate, 1.40" Diameter Opening (Wiremold #ALA-E).....	20.52	3.22
26 05 33 23-0430	EA	Single Receptacle Cover Plate, 1.59" Diameter Opening (Wiremold #ALA-F).....	21.92	3.22
26 05 33 23-0431	EA	GFCI/Surge/Decorator Cover Plate (Wiremold #ALA-G).....	19.87	3.22
26 05 33 23-0432	EA	Single Receptacle Cover Plate, 2.13" Diameter Opening (Wiremold #ALA-J).....	20.53	3.22
26 05 33 23-0433	EA	Toggle Switch Cover Plate (Wiremold #ALA-N).....	21.06	3.22
26 05 33 23-0434	EA	Active LPB Cover Plate (Wiremold #ALA-LPB).....	26.99	3.22
26 05 33 23-0435	EA	Active MAB Cover Plate (Wiremold #ALA-MAB).....	25.37	3.22
26 05 33 23-0436	EA	Ortronics Cover Plate (Wiremold #ALA-MABRT).....	29.24	3.22
26 05 33 23-0437	EA	1-3/4" x 2-3/4" Cover Plate (Wiremold #ALA-SG).....	20.94	3.22
26 05 33 23-0438	EA	Active 2A Cover Plate (Wiremold #ALA-2A).....	28.25	3.22
26 05 33 23-0439	EA	Ortronics Communications Cover Plate (Wiremold #ALA-ABRT).....	25.85	3.22
26 05 33 23-0440	EA	3/4" Grommet/Mousehole Cover Plate (Wiremold #ALA-Z).....	21.01	3.22
26 05 33 23-0441	EA	Ortronics Low Profile Cover Plate (Wiremold #ALA-LPB3S2).....	26.08	3.22
26 05 33 23-0442		Surface Non-Metallic Raceways (26 05 33 23-0001) Note: Exposed on flat wall surface.		
26 05 33 23-0443		One Piece Surface Non-Metallic Raceways (26 05 33 23-0442) Note: Exposed on flat wall surface. (Wiremold or approved equal).		
26 05 33 23-0444		7/8" x 7/16" One Piece Surface Non-Metallic Raceways (Wiremold #400) (26 05 33 23-0443)		
26 05 33 23-0445	LF	7/8" x 7/16" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #400BAC)..... <i>For Concrete Or Masonry Surface, Add</i>	6.12 0.21	2.15
26 05 33 23-0446	EA	Wire Clip (Wiremold #400WC).....	4.68	2.15
26 05 33 23-0447	EA	Cover Clip (Wiremold #406).....	4.92	2.15
26 05 33 23-0448	EA	Blank End Clip (Wiremold #410B).....	9.48	4.29
26 05 33 23-0449	EA	Flat 90 Degree Elbow (Wiremold #411).....	11.00	4.29
26 05 33 23-0450	EA	Tee (Wiremold #415).....	13.83	5.36
26 05 33 23-0451	EA	Internal Elbow (Wiremold #417).....	10.81	4.29
26 05 33 23-0452	EA	External Elbow (Wiremold #418).....	10.81	4.29
26 05 33 23-0453		1-5/16" x 7/16" One Piece Surface Non-Metallic Raceways (Wiremold #800) (26 05 33 23-0443)		
26 05 33 23-0454	LF	1-5/16" x 7/16" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #800BAC)..... <i>For Concrete Or Masonry Surface, Add</i>	7.06 0.21	2.15
26 05 33 23-0455	EA	Wire Clip (Wiremold #800WC).....	4.75	2.15
26 05 33 23-0456	EA	Cover Clip (Wiremold #806).....	4.85	2.15
26 05 33 23-0457	EA	Entrance End Fitting (Wiremold #810A2).....	14.74	4.29
26 05 33 23-0458	EA	Blank End Fitting (Wiremold #810B).....	9.58	4.29
26 05 33 23-0459	EA	Flat 90 Degree Elbow (Wiremold #811).....	11.07	4.29
26 05 33 23-0460	EA	Tee (Wiremold #815).....	13.90	5.36
26 05 33 23-0461	EA	Internal Elbow (Wiremold #817).....	10.85	4.29
26 05 33 23-0462	EA	External Elbow (Wiremold #818).....	10.85	4.29

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 23-0463	EA	End Reducer, #800 To #400 (Wiremold #889A)	12.26	4.29
26 05 33 23-0464 2-1/4" x 11/16" One Piece Surface Non-Metallic Raceways (Wiremold #2300) (26 05 33 23-0443)				
26 05 33 23-0465	LF	2-1/4" x 11/16" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2300BAC)	8.15	2.15
		<i>For Concrete Or Masonry Surface, Add</i>	0.21	
26 05 33 23-0466	LF	2-1/4" x 11/16" One Piece Surface Non-Metallic Divided Raceway Base And Cover (Wiremold #2300BACD)	8.68	2.15
		<i>For Concrete Or Masonry Surface, Add</i>	0.21	
26 05 33 23-0467	EA	Wire Clip (Wiremold #2300WC)	4.98	2.15
26 05 33 23-0468	EA	Cover Clip (Wiremold #2306)	5.25	2.15
26 05 33 23-0469	EA	Entrance End Fitting (Wiremold #2310A)	16.04	4.29
26 05 33 23-0470	EA	Blank End Fitting (Wiremold #2310B)	10.09	4.29
26 05 33 23-0471	EA	Divided Entrance End Fitting (Wiremold #2310DFO)	18.07	4.29
26 05 33 23-0472	EA	Flat 90 Degree Elbow (Wiremold #2311)	11.29	4.29
26 05 33 23-0473	EA	Divided Flat 90 Degree Elbow (Wiremold #2311DFO)	12.15	4.29
26 05 33 23-0474	EA	Tee (Wiremold #2315)	14.03	5.36
26 05 33 23-0475	EA	Internal Elbow (Wiremold #2317)	11.29	4.29
26 05 33 23-0476	EA	Divided Internal Elbow (Wiremold #2317DFO)	12.16	4.29
26 05 33 23-0477	EA	External Elbow (Wiremold #2318)	11.31	4.29
26 05 33 23-0478	EA	Divided External Elbow (Wiremold #2318DFO)	12.32	4.29
26 05 33 23-0479	EA	End Reducer, #2300 To #400 (Wiremold #2389)	12.33	4.29
26 05 33 23-0480	EA	End Reducer, #2300 To #800 (Wiremold #2389A)	12.88	4.29
26 05 33 23-0481 One Piece Surface Non-Metallic Raceway Fittings (Wiremold #400, #800 Or #2300) (26 05 33 23-0443)				
26 05 33 23-0482	EA	Blank Cover, 4-1/2" Diameter (Wiremold #2336)	13.77	3.75
26 05 33 23-0483	EA	Extension Box, 5-1/2" Diameter (Wiremold #2337A)	22.68	4.29
26 05 33 23-0484	EA	-A Fixture Box, 5-1/2" Diameter (Wiremold #233)	22.80	4.29
26 05 33 23-0485	EA	Extra Deep Device Box, 1 Gang, 2-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2344)	20.56	4.29
26 05 33 23-0486	EA	Extra Deep Device Box, 2 Gang, 2-3/4" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2344-2)	23.86	4.29
26 05 33 23-0487	EA	Extra Deep Divided Device Box, 1 Gang, 2-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2344D)	22.42	4.29
26 05 33 23-0488	EA	Deep Divided Device Box, 2 Gang, 2-1/4" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2344SD-2A)	24.37	4.29
26 05 33 23-0489	EA	1-Gang Standard Device Box, 1-3/8" Deep x 4-3/4" Long x 3" Wide (Wiremold #2347)	20.38	6.97
26 05 33 23-0490	EA	2-Gang Standard Device Box, 1-3/8" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2347-2)	23.29	6.97
26 05 33 23-0491	EA	1-Gang Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348)	21.23	6.97
26 05 33 23-0492	EA	2-Gang Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2348-2)	25.61	6.97
26 05 33 23-0493	EA	3-Gang Deep Device Box, 1-3/4" Deep x 5" Long x 7" Wide (Wiremold #2348-3)	30.69	6.97
26 05 33 23-0494	EA	1-Gang Deep Device Box With Magnetic Backing, 1-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348AMP)	29.07	6.97
26 05 33 23-0495	EA	1-Gang Divided Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348D)	26.30	6.97
26 05 33 23-0496	EA	Shallow Device And Extension Box, 7/8" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348S/51)	19.95	6.97
26 05 33 23-0497 3/4" x 3/8" One Piece Surface Non-Metallic Raceways (Wiremold #2700) (26 05 33 23-0443)				
26 05 33 23-0498	LF	3/4" x 3/8" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2700)	5.72	2.15
		<i>For Concrete Or Masonry Surface, Add</i>	0.21	
26 05 33 23-0499	EA	3/4" Wire Clip (Wiremold #2700WC)	2.45	1.07
26 05 33 23-0500	EA	Cover Clip (Wiremold #2706)	3.67	1.07
26 05 33 23-0501	EA	Blank End (Wiremold #2710B)	5.79	2.15
26 05 33 23-0502	EA	Flat 90 Degree Elbow (Wiremold #2711)	6.90	2.68
26 05 33 23-0503	EA	Tee (Wiremold #2715)	11.21	4.82
26 05 33 23-0504	EA	Internal Elbow (Wiremold #2717)	7.98	3.22
26 05 33 23-0505	EA	External Elbow (Wiremold #2718)	7.97	3.22
26 05 33 23-0506	EA	Drop Ceiling Connector (Wiremold #2786)	9.41	3.75
26 05 33 23-0507 1" x 1/2" One Piece Surface Non-Metallic Raceways (Wiremold #2800) (26 05 33 23-0443)				
26 05 33 23-0508	LF	1" x 1/2" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2800)	7.43	2.68
		<i>For Concrete Or Masonry Surface, Add</i>	0.27	
26 05 33 23-0509	EA	1" Wire Clip (Wiremold #2800WC)	3.67	1.60
26 05 33 23-0510	EA	Cover Clip (Wiremold #2806)	4.90	1.60
26 05 33 23-0511	EA	Blank End (Wiremold #2810B)	7.04	2.68
26 05 33 23-0512	EA	Flat 90 Degree Elbow (Wiremold #2811)	9.26	3.75
26 05 33 23-0513	EA	Radiused Flat 90 Degree Elbow (Wiremold #2811FO)	9.87	3.75
26 05 33 23-0514	EA	Tee (Wiremold #2815)	13.54	5.90
26 05 33 23-0515	EA	Internal Elbow (Wiremold #2817)	10.31	4.29
26 05 33 23-0516	EA	External Elbow (Wiremold #2818)	10.33	4.29
26 05 33 23-0517	EA	Radiused Tee (Wiremold #2815FO)	14.36	5.90
26 05 33 23-0518	EA	Radiused Internal Elbow (Wiremold #2817FO)	11.04	4.29
26 05 33 23-0519	EA	Radiused External Elbow (Wiremold #2818FO)	10.94	4.29
26 05 33 23-0520	EA	Drop Ceiling Connector (Wiremold #2886)	11.64	4.82
26 05 33 23-0521	EA	Reducer, #2800 To #2700 (Wiremold #2889)	10.48	4.29
26 05 33 23-0522 1-1/2" x 3/4" One Piece Surface Non-Metallic Raceways (Wiremold #2900) (26 05 33 23-0443)				
26 05 33 23-0523	LF	1-1/2" x 3/4" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2900)	9.04	3.22
		<i>For Concrete Or Masonry Surface, Add</i>	0.32	
26 05 33 23-0524	EA	1-1/2" Wire Clip (Wiremold #2900WC)	4.84	2.15
26 05 33 23-0525	EA	Cover Clip (Wiremold #2906)	6.10	2.15
26 05 33 23-0526	EA	Blank End (Wiremold #2910B)	8.25	3.22
26 05 33 23-0527	EA	Flat 90 Degree Elbow (Wiremold #2911)	10.40	4.29
26 05 33 23-0528	EA	Tee (Wiremold #2915)	14.68	6.44

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0529	EA	Radiused Flat 90 Degree Elbow (Wiremold #2911FO).....	11.35	4.29
26 05 33 23-0530	EA	Radiused Tee (Wiremold #2915FO).....	15.66	6.44
26 05 33 23-0531	EA	Internal Elbow (Wiremold #2917).....	11.48	4.82
26 05 33 23-0532	EA	Radiused Internal Elbow (Wiremold #2917FO).....	12.47	4.82
26 05 33 23-0533	EA	External Elbow (Wiremold #2918).....	11.47	4.82
26 05 33 23-0534	EA	Radiused External Elbow (Wiremold #2918FO).....	12.75	4.82
26 05 33 23-0535	EA	Drop Ceiling Connector (Wiremold #2986).....	11.64	4.82
26 05 33 23-0536	EA	Reducer, #2900 To #2800 (Wiremold #2989).....	12.92	5.36
26 05 33 23-0537	EA	Reducer, #2900 To #2700 (Wiremold #2989A).....	12.59	5.36
26 05 33 23-0538		Two Piece Surface Non-Metallic Raceways (26 05 33 23-0442)		
		Note: Exposed on flat wall surface. (Wiremold or approved equal).		
26 05 33 23-0539		5" x 1" Two Piece Surface Non-Metallic Raceways (Wiremold #500) (26 05 33 23-0538)		
26 05 33 23-0540	LF	5" x 1" Two Piece Surface Non-Metallic Raceway Base (Wiremold #5000B).....	13.92	4.82
		For Concrete Or Masonry Surface, Add	0.48	
26 05 33 23-0541	LF	Black, Gray Or White, Cover (Wiremold #5000C).....	13.27	4.82
26 05 33 23-0542	LF	Oak Veneer, Cover (Wiremold #5000COA).....	24.35	4.82
26 05 33 23-0543	LF	Maple Wood Veneer, Cover (Wiremold #5000CW).....	19.97	4.82
26 05 33 23-0544	LF	Black, Gray Or White, Quarter Round Trim (Wiremold #5000T).....	1.86	0.53
26 05 33 23-0545	LF	Oak Veneer, Quarter Round Trim (Wiremold #5000TOA).....	7.41	0.53
26 05 33 23-0546	LF	Maple Wood Veneer, Quarter Round Trim (Wiremold #5000TW).....	4.63	0.53
26 05 33 23-0547	EA	Base Coupling (Wiremold #5001).....	12.97	5.36
26 05 33 23-0548	EA	Blank/Coax Adapter (Wiremold #5004).....	7.23	2.68
26 05 33 23-0549	EA	Low Voltage Blank Plate (Wiremold #5005).....	9.61	3.22
26 05 33 23-0550	EA	Cover Clip (Wiremold #5006).....	13.90	5.36
26 05 33 23-0551	EA	Internal Wire Guard (Wiremold #5006A).....	13.05	5.36
26 05 33 23-0552	EA	Device Bracket (Wiremold #5007C).....	14.79	5.36
26 05 33 23-0553	EA	Device Plate (Wiremold #5007C-1).....	26.95	10.72
26 05 33 23-0554	EA	Deep Device Plate (Wiremold #5007C-2).....	27.84	10.72
26 05 33 23-0555	EA	Right Or Left End Cap (Wiremold #5010).....	23.62	10.19
26 05 33 23-0556	EA	Entrance End Feed (Wiremold #5010A).....	45.30	16.62
26 05 33 23-0557	EA	Internal Base Elbow (Wiremold #5017B).....	31.74	13.41
26 05 33 23-0558	EA	Internal Cover Elbow (Wiremold #5017C).....	28.44	10.72
26 05 33 23-0559	EA	Internal Elbow Wire Guard (Wiremold #5017WG).....	19.58	8.04
26 05 33 23-0560	EA	External Base Elbow (Wiremold #5018B).....	31.68	13.41
26 05 33 23-0561	EA	External Cover Elbow (Wiremold #5018C).....	28.68	10.72
26 05 33 23-0562	EA	External Elbow Wire Guard (Wiremold #5018WG).....	12.82	5.36
26 05 33 23-0563		5-1/4" x 1-11/16" Two Piece Surface Non-Metallic Raceways (Wiremold #5400) (26 05 33 23-0538)		
26 05 33 23-0564	LF	5-1/4" x 1-11/16", Two Compartment, Two Piece Surface Non-Metallic Raceway Base (Wiremold #5400TB).....	15.19	4.82
		For Concrete Or Masonry Surface, Add	0.48	
26 05 33 23-0565	LF	Full Width Cover (Wiremold #5400C).....	5.14	0.53
26 05 33 23-0566	LF	Twin Snap Cover (Wiremold #5400TC).....	3.33	0.53
26 05 33 23-0567	EA	Twin Snap Cover Wire Clips (Wiremold #5400TWC).....	5.95	2.68
26 05 33 23-0568	EA	Cover Clip (Wiremold #5406A).....	9.89	3.22
26 05 33 23-0569	EA	Twin Cover Clip (Wiremold #5406T).....	8.39	3.22
26 05 33 23-0570	EA	Base Seam Clip (Wiremold #5406TB).....	7.55	3.22
26 05 33 23-0571	EA	L Or R (Left Or Right) Transition Fitting (Wiremold #5408).....	56.10	16.62
26 05 33 23-0572	EA	End Cap (Wiremold #5410).....	27.71	10.19
26 05 33 23-0573	EA	Radiused Divided Entrance Cap Fitting (Wiremold #5410DFO).....	53.93	16.62
26 05 33 23-0574	EA	Radiused Flat 90 Degree Elbow (Wiremold #5411FO).....	48.99	13.41
26 05 33 23-0575	EA	Tee Fitting (Wiremold #5415).....	56.63	16.62
26 05 33 23-0576	EA	Radiused Tee Fitting (Wiremold #5415FO).....	59.21	16.62
26 05 33 23-0577	EA	Radiused Internal Elbow (Wiremold #5417FO).....	47.19	16.62
26 05 33 23-0578	EA	External Elbow (Wiremold #5418).....	47.84	16.62
26 05 33 23-0579	EA	Radiused External Elbow (Wiremold #5418FO).....	48.43	16.62
26 05 33 23-0580	EA	5-5/32" x 6" Device Bracket (Wiremold #5450).....	22.52	5.36
26 05 33 23-0581	EA	7-19/32" x 7-1/2" Device Bracket (Wiremold #5450A3).....	29.54	5.36
26 05 33 23-0582	EA	2-1/2" x 4-7/8" Twin Snap Device Bracket (Wiremold #5450T).....	17.33	5.36
26 05 33 23-0583	EA	Transition Fitting (Wiremold #5474).....	49.63	16.62
26 05 33 23-0584		6-11/16" x 1-11/16" Two Piece Surface Non-Metallic Raceways (Wiremold #5500) (26 05 33 23-0538)		
26 05 33 23-0585	LF	6-11/16" x 1-11/16", Three Compartment Divided, Two Piece Surface Non-Metallic Raceway Base (Wiremold #5500BD3).....	18.87	4.82
		For Concrete Or Masonry Surface, Add	0.48	
26 05 33 23-0586	LF	Cover (Wiremold #5500C).....	6.73	0.53
26 05 33 23-0587	EA	Wire Clips (Wiremold #5500WC).....	6.89	2.68
26 05 33 23-0588	EA	Cover Clip (Wiremold #5506).....	11.07	3.22
26 05 33 23-0589	EA	Base Seam Clip Fitting (Wiremold #5506B).....	7.94	3.22
26 05 33 23-0590	EA	Modular Furniture Adapter (Wiremold #5507AD).....	10.34	3.22
26 05 33 23-0591	EA	Blank Faceplate (Wiremold #5507B).....	10.38	3.22
26 05 33 23-0592	EA	Duplex Receptacle Faceplate (Wiremold #5507D).....	10.44	3.22
26 05 33 23-0593	EA	Dual RJ Connector Faceplate (Wiremold #5507FRJ).....	10.44	3.22
26 05 33 23-0594	EA	Rectangular Receptacle Faceplate (Wiremold #5507R).....	10.33	3.22
26 05 33 23-0595	EA	Dual RJ Connector Faceplate (Wiremold #5507RJ).....	10.36	3.22
26 05 33 23-0596	EA	Rectangular Spacer Fitting (Wiremold #5507S).....	10.28	3.22
26 05 33 23-0597	EA	Switch Faceplate (Wiremold #5507SW).....	10.30	3.22
26 05 33 23-0598	EA	Twistlock Faceplate (Wiremold #5507T1).....	10.38	3.22
26 05 33 23-0599	EA	Single Receptacle Faceplate (Wiremold #5507T2).....	10.17	3.22

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 23-0600	EA	6-5/8" x 6" Device Bracket (Wiremold #5550).....	26.82	5.36
26 05 33 23-0601	EA	9-5/8" x 7-1/2" Device Bracket (Wiremold #5550A4)	35.88	5.36
26 05 33 23-0602	EA	End Cap (Wiremold #5510)	29.99	10.19
26 05 33 23-0603	EA	Entrance End Fitting (Wiremold #5510D)	61.19	16.62
26 05 33 23-0604	EA	Radiused Flat 90 Degree Elbow (Wiremold #5511FO).....	55.68	13.41
26 05 33 23-0605	EA	Backfeed Connector (Wiremold #5514A).....	44.98	13.41
26 05 33 23-0606	EA	Tee Fitting (Wiremold #5515)	64.23	16.62
26 05 33 23-0607	EA	Radiused Internal Elbow (Wiremold #5517FO).....	51.84	16.62
26 05 33 23-0608	EA	External Elbow (Wiremold #5518)	53.07	16.62
26 05 33 23-0609	EA	Radiused External Elbow (Wiremold #5518FO)	55.69	16.62
26 05 33 23-0610	EA	Transition Fitting (Wiremold #5574).....	50.58	16.62
26 05 33 23-0611	EA	Transition Fitting (Wiremold #5574A)	67.52	16.62

26 05 33 23-0612 Hellermann Tyton Non-Metallic Low Voltage Raceways (26 05 33 23-0442)

Note: Exposed on flat wall surface.

26 05 33 23-0613 1-1/4" x 3/4", Non-Metallic Low Voltage Raceways (26 05 33 23-0612)

26 05 33 23-0614	LF	1-1/4" x 3/4", Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR2)	5.93	2.68
26 05 33 23-0615	EA	Splice For 1-1/4" Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR2X-14)	7.01	1.60
26 05 33 23-0616	EA	Tee For 1-1/4" Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR2X-21-1)	15.98	5.90
26 05 33 23-0617	EA	Flat 90 Degree Elbow For 1-1/4" Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR2X-25-1)	11.70	3.75
26 05 33 23-0618	EA	Internal Elbow For 1-1/4" Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR2X-36)	12.37	4.29
26 05 33 23-0619	EA	External Elbow For 1-1/4" Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR2X-29-1).....	16.09	4.29
26 05 33 23-0620	EA	End Cap For 1-1/4" Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR2X-36).....	9.15	2.68
26 05 33 23-0621	EA	Drop Ceiling Connector For 1-1/4" Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR2X-50)	15.84	4.82

26 05 33 23-0622 1-3/4" x 1", Non-Metallic Low Voltage Raceways (26 05 33 23-0612)

26 05 33 23-0623	LF	1-3/4" x 1", Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR3)	7.26	3.22
26 05 33 23-0624	EA	Splice For 1-3/4" Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR3X-14)	8.43	2.15
26 05 33 23-0625	EA	Tee For 1-3/4" Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR3X-21-1)	17.41	6.44
26 05 33 23-0626	EA	Flat 90 Degree Elbow For 1-3/4" Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR3X-25-1)	13.13	4.29
26 05 33 23-0627	EA	Internal Elbow For 1-3/4" Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR3X-33-1)	14.21	4.82
26 05 33 23-0628	EA	External Elbow For 1-3/4" Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR3X-29-1).....	17.70	4.82
26 05 33 23-0629	EA	End Cap For 1-3/4" Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR3X-36).....	10.58	3.22
26 05 33 23-0630	EA	Drop Ceiling Connector For 1-3/4" Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR3X-50)	15.84	4.82
26 05 33 23-0631	EA	1-3/4" To 1-1/4" Reducer For Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR1X-12)	14.86	5.36

26 05 33 23-0632 Non-Metallic Raceway Junction Boxes (26 05 33 23-0612)

26 05 33 23-0633	EA	3" x 4-3/4" x 1-1/4", Single Gang, Non-Metallic Raceway Junction Box (Hellermann Tyton TSRX-JB1).....	71.44	29.35
26 05 33 23-0634	EA	3" x 4-3/4" x 2", Single Gang, Non-Metallic Raceway Junction Box (Hellermann Tyton TSRX-JB2)	73.72	29.35
26 05 33 23-0635	EA	4.91" x 4.83" x 1.25", Double Gang, Non-Metallic Raceway Junction Box (Hellermann Tyton TSRX-JBD)	80.80	29.35

26 05 33 23-0636 Hubbell Two-Channel Non-Metallic Raceways (26 05 33 23-0442)

Note: Exposed on flat wall surface.

26 05 33 23-0637 2.12" x 1.04", Two-Channel Non-Metallic Raceways (26 05 33 23-0636)

26 05 33 23-0638	LF	2.12" x 1.04", Two-Channel Non-Metallic Raceway (Hubbell MT8BC7)	12.53	3.22
26 05 33 23-0639	LF	2.12" x 1.04", Two-Channel Non-Metallic Raceway With Adhesive (Hubbell MT8ABC7)	13.04	3.22
26 05 33 23-0640	EA	Splice Cover For 2.12" Two-Channel Non-Metallic Raceway (Hubbell MT8SC).....	6.06	2.15
26 05 33 23-0641	EA	Tee Base And Cover For 2.12" Two-Channel Non-Metallic Raceway (Hubbell MT8TCBC)	24.55	6.44
26 05 33 23-0642	EA	Tee Cover Only For 2.12" Two-Channel Non-Metallic Raceway (Hubbell MT8TCC)	9.47	2.15
26 05 33 23-0643	EA	Flat 90 Degree Elbow Base And Cover For 2.12" Two-Channel Non-Metallic Raceway (Hubbell MT8FEBC).....	17.93	4.29
26 05 33 23-0644	EA	Flat 90 Degree Elbow Cover Only For 2.12" Two-Channel Non-Metallic Raceway (Hubbell MT8FEC)	8.05	2.15
26 05 33 23-0645	EA	Internal Elbow Base And Cover For 2.12" Two-Channel Non-Metallic Raceway (Hubbell MT8IEBC).....	19.68	4.82
26 05 33 23-0646	EA	Internal Elbow Cover Only For 2.12" Two-Channel Non-Metallic Raceway (Hubbell MT8IEC)	8.30	2.15
26 05 33 23-0647	EA	External Elbow Base And Cover For 2.12" Two-Channel Non-Metallic Raceway (Hubbell MT8EEBC)	20.18	4.82
26 05 33 23-0648	EA	External Elbow Cover Only For 2.12" Two-Channel Non-Metallic Raceway (Hubbell MT8EEC)	8.88	2.15
26 05 33 23-0649	EA	End Cap For 2.12" Two-Channel Non-Metallic Raceway (Hubbell MT8EC)	9.55	3.22
26 05 33 23-0650	EA	Conduit Adapter For 2.12" Two-Channel Non-Metallic Raceway (Hubbell MT8CACF)	20.35	4.82
26 05 33 23-0651	EA	Security Strap For 2.12" Two-Channel Non-Metallic Raceway (Hubbell MT8SS).....	6.63	2.15
26 05 33 23-0652	EA	Light Fixture Box For 2.12" Two-Channel Non-Metallic Raceway (Hubbell MT678FB)	35.90	6.44
26 05 33 23-0653	EA	Single Gang Pass-Thru Divider Tunnel For 2.12" Two-Channel Non-Metallic Raceway (Hubbell MT678DT1G)	19.12	6.44
26 05 33 23-0654	EA	Double Gang Pass-Thru Divider Tunnel For 2.12" Two-Channel Non-Metallic Raceway (Hubbell MT678DT2G).....	26.72	6.44

26 05 33 23-0655 Non-Metallic Raceway Junction Boxes (26 05 33 23-0636)

26 05 33 23-0656	EA	3.25" x 4.90" x 1.25", Single Gang, Non-Metallic Raceway Junction Box (Hubbell MT678LB).....	68.53	29.35
26 05 33 23-0657	EA	3.25" x 4.90" x 1.78", Single Gang, Non-Metallic Raceway Junction Box (Hubbell MT678SB).....	69.37	29.35
26 05 33 23-0658	EA	3.25" x 4.90" x 2.44", Single Gang, Non-Metallic Raceway Junction Box (Hubbell MT678DB)	73.71	29.35
26 05 33 23-0659	EA	5.06" x 4.90" x 2.44", Double Gang, Non-Metallic Raceway Junction Box (Hubbell MT678CTGB).....	74.38	29.35
26 05 33 23-0660	EA	Divided, 5.06" x 4.90" x 2.44", Double Gang, Non-Metallic Raceway Junction Box (Hubbell MT678TGD)	83.39	29.35

26 05 33 23-0661 Surface Cable Protection System (26 05 33 23)

26 05 33 23-0662	EA	35-1/2" Long x 18-9/16" Wide x 3" High, Three Channel, Heavy-Duty Polyurethane, Surface Cable Protector (Yellow Jacket® CP-YJHD-3)	643.44	
Note: Modular interlocking design with hinged lid.				
26 05 33 23-0663	EA	35-3/4" Long x 19-3/4" Wide x 1-7/8" High, Five Channel, Heavy-Duty Polyurethane, Surface Cable Protector (Yellow Jacket® CP-YJHD-5).....	484.77	
Note: Modular interlocking design with hinged lid.				

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 36 Cable Trays for Electrical Systems (26 05)

26 05 36 00-0001	Cable Trays (26 05 36) Note: Excludes supporting hangers.		
26 05 36 00-0002	Ladder Bottom Galvanized Steel Cable Tray (26 05 36 00-0001)		
26 05 36 00-0003	4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray (26 05 36 00-0002)		
26 05 36 00-0004	4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray (26 05 36 00-0003)		
26 05 36 00-0005	LF 6" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	42.10 -3.27	11.27
26 05 36 00-0006	LF 9" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	45.53 -3.55	12.09
26 05 36 00-0007	LF 12" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	49.79 -3.89	13.03
26 05 36 00-0008	LF 18" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	55.58 -4.41	13.85
26 05 36 00-0009	LF 24" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	61.20 -4.93	14.32
26 05 36 00-0010	LF 30" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	74.76 -6.10	16.55
26 05 36 00-0011	LF 36" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	83.82 -6.81	18.89
26 05 36 00-0012	6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray (26 05 36 00-0003)		
26 05 36 00-0013	LF 6" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	39.61 -3.04	11.04
26 05 36 00-0014	LF 9" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	42.91 -3.31	11.74
26 05 36 00-0015	LF 12" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	45.75 -3.51	12.79
26 05 36 00-0016	LF 18" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	50.28 -3.91	13.50
26 05 36 00-0017	LF 24" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	54.33 -4.27	13.97
26 05 36 00-0018	LF 30" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	63.92 -5.05	16.08
26 05 36 00-0019	LF 36" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	69.83 -5.51	17.61
26 05 36 00-0020	9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray (26 05 36 00-0003)		
26 05 36 00-0021	LF 6" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	38.13 -2.91	10.91
26 05 36 00-0022	LF 9" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	39.25 -2.98	11.27
26 05 36 00-0023	LF 12" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	43.35 -3.34	11.97
26 05 36 00-0024	LF 18" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	47.57 -3.71	12.56
26 05 36 00-0025	LF 24" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	51.71 -4.09	12.91
26 05 36 00-0026	LF 30" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	56.39 -4.47	14.08
26 05 36 00-0027	LF 36" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	60.55 -4.78	15.25
26 05 36 00-0028	12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray (26 05 36 00-0003)		
26 05 36 00-0029	LF 6" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	37.01 -2.83	10.44
26 05 36 00-0030	LF 9" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	37.78 -2.89	10.68
26 05 36 00-0031	LF 12" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	40.02 -3.07	11.27
26 05 36 00-0032	LF 18" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	42.41 -3.26	11.86
26 05 36 00-0033	LF 24" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	44.28 -3.44	11.86
26 05 36 00-0034	LF 30" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	49.00 -3.84	12.79
26 05 36 00-0035	LF 36" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	51.62 -4.05	13.38
26 05 36 00-0036	18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray (26 05 36 00-0003)		
26 05 36 00-0037	LF 6" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	36.52 -2.80	10.21

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
26 05 36 00-0038	LF 9" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	37.15 -2.84		10.44	
26 05 36 00-0039	LF 12" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	39.39 -3.02		11.04	
26 05 36 00-0040	LF 18" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	41.37 -3.18		11.51	
26 05 36 00-0041	LF 24" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	42.08 -3.24		11.62	
26 05 36 00-0042	LF 30" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	44.68 -3.43		12.44	
26 05 36 00-0043	LF 36" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	46.58 -3.56		13.15	
26 05 36 00-0044	4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings (26 05 36 00-0002)				
26 05 36 00-0045	12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0044)				
26 05 36 00-0046	EA 6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	322.14 -22.41		117.73	
26 05 36 00-0047	EA 9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	359.47 -24.77		134.04	
26 05 36 00-0048	EA 12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	394.98 -27.15		148.24	
26 05 36 00-0049	EA 18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	494.81 -34.34		181.69	
26 05 36 00-0050	EA 24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	563.64 -38.98		208.57	
26 05 36 00-0051	EA 30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	675.22 -47.96		234.75	
26 05 36 00-0052	EA 36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	779.15 -55.56		268.31	
26 05 36 00-0053	24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0044)				
26 05 36 00-0054	EA 6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	464.04 -36.20		122.42	
26 05 36 00-0055	EA 9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	502.54 -38.53		140.73	
26 05 36 00-0056	EA 12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	538.81 -40.84		156.46	
26 05 36 00-0057	EA 18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	623.86 -46.19		194.36	
26 05 36 00-0058	EA 24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	697.69 -50.98		225.47	
26 05 36 00-0059	EA 30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	776.46 -56.32		255.87	
26 05 36 00-0060	EA 36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	909.96 -66.30		296.37	
26 05 36 00-0061	36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0044)				
26 05 36 00-0062	EA 6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	501.23 -39.46		127.93	
26 05 36 00-0063	EA 9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	550.76 -42.74		148.13	
26 05 36 00-0064	EA 12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	594.28 -45.61		165.73	
26 05 36 00-0065	EA 18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	711.63 -53.78		208.57	
26 05 36 00-0066	EA 24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	808.08 -60.40		244.84	
26 05 36 00-0067	EA 30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	949.46 -71.47		281.69	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0068	EA		36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,075.52 -79.97	330.99
26 05 36 00-0069			12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0044)		
26 05 36 00-0070	EA		6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	240.15 -16.91 -46.55 -82.33	85.32
26 05 36 00-0071	EA		9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	272.49 -18.72 -50.71 -90.19	102.35
26 05 36 00-0072	EA		12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	301.61 -20.38 -54.54 -97.42	117.37
26 05 36 00-0073	EA		18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	359.19 -23.56 -61.68 -111.03	148.36
26 05 36 00-0074	EA		24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	446.81 -29.54 -77.80 -139.76	181.69
26 05 36 00-0075	EA		30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	531.65 -35.78 -95.48 -170.73	208.57
26 05 36 00-0076	EA		36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	600.10 -39.60 -104.17 -187.22	244.84
26 05 36 00-0077			24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0044)		
26 05 36 00-0078	EA		6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	270.63 -19.73 -55.58 -97.52	88.03
26 05 36 00-0079	EA		9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	308.86 -22.04 -61.24 -107.97	106.10
26 05 36 00-0080	EA		12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	352.19 -25.01 -69.26 -122.23	122.54
26 05 36 00-0081	EA		18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	412.82 -28.24 -76.24 -135.76	156.46
26 05 36 00-0082	EA		24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	507.87 -34.59 -93.10 -165.97	194.36
26 05 36 00-0083	EA		30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	595.69 -40.78 -110.16 -196.13	225.47
26 05 36 00-0084	EA		36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	699.28 -47.56 -127.88 -228.05	268.43
26 05 36 00-0085			36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0044)		

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 36 00-0086	EA	6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	329.33	90.85
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.37	
		<i>For 60 Degree Bend, Deduct</i>	-73.87	
		<i>For 30 Degree Bend, Deduct</i>	-128.16	
26 05 36 00-0087	EA	9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	371.84	110.33
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.99	
		<i>For 60 Degree Bend, Deduct</i>	-80.42	
		<i>For 30 Degree Bend, Deduct</i>	-140.16	
26 05 36 00-0088	EA	12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	405.40	128.05
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.87	
		<i>For 60 Degree Bend, Deduct</i>	-84.70	
		<i>For 30 Degree Bend, Deduct</i>	-148.28	
26 05 36 00-0089	EA	18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	484.28	165.73
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.61	
		<i>For 60 Degree Bend, Deduct</i>	-96.26	
		<i>For 30 Degree Bend, Deduct</i>	-169.65	
26 05 36 00-0090	EA	24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	567.64	208.57
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.38	
		<i>For 60 Degree Bend, Deduct</i>	-107.36	
		<i>For 30 Degree Bend, Deduct</i>	-190.52	
26 05 36 00-0091	EA	30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	692.09	244.84
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.80	
		<i>For 60 Degree Bend, Deduct</i>	-134.52	
		<i>For 30 Degree Bend, Deduct</i>	-237.81	
26 05 36 00-0092	EA	36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	809.97	296.37
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-56.30	
		<i>For 60 Degree Bend, Deduct</i>	-153.67	
		<i>For 30 Degree Bend, Deduct</i>	-272.59	

26 05 36 00-0093 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting

(26 05 36 00-0044)

26 05 36 00-0094	EA	6" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	350.97	117.37
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.32	
26 05 36 00-0095	EA	9" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	382.40	134.04
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.07	
26 05 36 00-0096	EA	12" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	411.26	148.24
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.78	
26 05 36 00-0097	EA	18" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	474.24	181.69
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.28	
26 05 36 00-0098	EA	24" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	526.22	208.57
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.24	
26 05 36 00-0099	EA	30" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	584.08	234.75
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.85	
26 05 36 00-0100	EA	36" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	646.61	267.96
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.33	

26 05 36 00-0101 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting

(26 05 36 00-0044)

26 05 36 00-0102	EA	6" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	423.69	122.42
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.17	
26 05 36 00-0103	EA	9" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	459.73	140.85
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.24	
26 05 36 00-0104	EA	12" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	494.74	156.46
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.43	
26 05 36 00-0105	EA	18" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	570.29	194.36
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.84	
26 05 36 00-0106	EA	24" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	634.62	225.47
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.68	
26 05 36 00-0107	EA	30" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	699.68	255.87
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.64	
26 05 36 00-0108	EA	36" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	801.11	296.37
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.41	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 36 00-0109 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0044)				
26 05 36 00-0110	EA	6" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	509.66	127.93
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.30	
26 05 36 00-0111	EA	9" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	554.11	148.24
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.06	
26 05 36 00-0112	EA	12" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	586.99	165.73
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.88	
26 05 36 00-0113	EA	18" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	683.35	208.57
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-50.95	
26 05 36 00-0114	EA	24" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	747.37	244.84
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-54.33	
26 05 36 00-0115	EA	30" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	855.18	281.69
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-62.04	
26 05 36 00-0116	EA	36" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	962.24	330.99
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-68.65	
26 05 36 00-0117 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0044)				
26 05 36 00-0118	EA	6" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	624.55	225.47
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.67	
26 05 36 00-0119	EA	9" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	675.52	244.84
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.15	
26 05 36 00-0120	EA	12" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	708.76	255.87
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.55	
26 05 36 00-0121	EA	18" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	792.61	281.69
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.79	
26 05 36 00-0122	EA	24" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	900.02	312.68
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-63.94	
26 05 36 00-0123	EA	30" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,005.71	331.58
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-72.94	
26 05 36 00-0124	EA	36" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,138.18	375.36
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-82.54	
26 05 36 00-0125 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0044)				
26 05 36 00-0126	EA	6" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	798.08	244.84
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-59.40	
26 05 36 00-0127	EA	9" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	855.84	268.43
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-63.22	
26 05 36 00-0128	EA	12" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	892.89	281.69
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-65.81	
26 05 36 00-0129	EA	18" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	978.01	312.68
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-71.74	
26 05 36 00-0130	EA	24" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,084.54	352.11
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-79.11	
26 05 36 00-0131	EA	30" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,167.90	375.36
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-85.51	
26 05 36 00-0132	EA	36" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,417.26	433.69
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-105.59	
26 05 36 00-0133 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0044)				
26 05 36 00-0134	EA	6" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,030.40	268.43
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-80.68	
26 05 36 00-0135	EA	9" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,099.37	296.37
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-85.24	
26 05 36 00-0136	EA	12" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,167.43	312.68
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-90.68	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 36 00-0137	EA	18" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,281.38	352.11
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-98.80	
26 05 36 00-0138	EA	24" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,453.59	402.00
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-111.86	
26 05 36 00-0139	EA	30" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,576.96	433.69
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-121.56	
26 05 36 00-0140	EA	36" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,770.36	511.74
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-134.39	

26 05 36 00-0141 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting

(26 05 36 00-0044)

26 05 36 00-0142	EA	6" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	771.06	208.57
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-59.72	
26 05 36 00-0143	EA	9" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	788.47	216.78
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-60.78	
26 05 36 00-0144	EA	12" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	806.54	225.47
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-61.87	
26 05 36 00-0145	EA	18" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	846.36	244.84
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-64.23	
26 05 36 00-0146	EA	24" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	872.17	255.87
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-65.89	
26 05 36 00-0147	EA	30" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	944.88	281.69
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-71.01	
26 05 36 00-0148	EA	36" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,015.15	312.68
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-75.46	

26 05 36 00-0149 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting

(26 05 36 00-0044)

26 05 36 00-0150	EA	6" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,140.80	225.47
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-95.29	
26 05 36 00-0151	EA	9" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,167.47	234.75
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-97.19	
26 05 36 00-0152	EA	12" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,195.48	244.84
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-99.14	
26 05 36 00-0153	EA	18" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,256.96	268.43
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-103.33	
26 05 36 00-0154	EA	24" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,301.43	281.69
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-106.67	
26 05 36 00-0155	EA	30" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,375.41	312.68
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-111.48	
26 05 36 00-0156	EA	36" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,478.22	352.11
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-118.48	

26 05 36 00-0157 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting

(26 05 36 00-0044)

26 05 36 00-0158	EA	6" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,838.01	244.84
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-163.40	
26 05 36 00-0159	EA	9" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,874.96	255.87
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-166.17	
26 05 36 00-0160	EA	12" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,914.34	268.43
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-169.07	
26 05 36 00-0161	EA	18" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,979.60	296.37
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-173.26	
26 05 36 00-0162	EA	24" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,025.37	312.68
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-176.48	
26 05 36 00-0163	EA	30" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,146.75	352.11
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-185.33	
26 05 36 00-0164	EA	36" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,248.39	402.00
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-191.34	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0165		12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0044)		
26 05 36 00-0166	EA	6" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	777.75	281.69
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-54.30	
26 05 36 00-0167	EA	9" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	817.11	296.37
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-57.01	
26 05 36 00-0168	EA	12" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	874.02	312.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-61.34	
26 05 36 00-0169	EA	18" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	938.86	331.58
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-66.26	
26 05 36 00-0170	EA	24" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,056.48	375.36
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-74.37	
26 05 36 00-0171	EA	30" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,186.18	402.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-85.12	
26 05 36 00-0172	EA	36" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,298.41	433.69
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-93.70	
26 05 36 00-0173		24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0044)		
26 05 36 00-0174	EA	6" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,119.15	312.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-85.86	
26 05 36 00-0175	EA	9" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,169.13	331.58
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-89.28	
26 05 36 00-0176	EA	12" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,221.96	352.11
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-92.85	
26 05 36 00-0177	EA	18" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,301.60	375.36
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-98.88	
26 05 36 00-0178	EA	24" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,443.26	433.69
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-108.19	
26 05 36 00-0179	EA	30" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,551.29	469.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-116.00	
26 05 36 00-0180	EA	36" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,744.36	511.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-131.79	
26 05 36 00-0181		36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0044)		
26 05 36 00-0182	EA	6" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,422.51	352.11
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-112.91	
26 05 36 00-0183	EA	9" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,498.44	375.36
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-118.56	
26 05 36 00-0184	EA	12" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,579.86	402.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-124.49	
26 05 36 00-0185	EA	18" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,725.52	433.69
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-136.42	
26 05 36 00-0186	EA	24" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,967.20	511.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-154.07	
26 05 36 00-0187	EA	30" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,144.54	562.44
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-167.58	
26 05 36 00-0188	EA	36" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,344.14	626.53
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-182.20	
26 05 36 00-0189		12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0044)		
26 05 36 00-0190	EA	6" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	916.47	281.69
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-68.17	
26 05 36 00-0191	EA	9" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	962.68	296.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-71.56	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI UOM DESCRIPTION		UNIT COST		UNIT COST	
26 05 36 00-0192	EA	12" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,032.71	312.68	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-77.22		
26 05 36 00-0193	EA	18" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,112.88	331.70	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-83.65		
26 05 36 00-0194	EA	24" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,250.35	375.36	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-93.75		
26 05 36 00-0195	EA	30" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,418.80	402.12	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-108.37		
26 05 36 00-0196	EA	36" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,556.58	433.10	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-119.57		
26 05 36 00-0197 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0044)					
26 05 36 00-0198	EA	6" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,388.23	312.68	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-112.76		
26 05 36 00-0199	EA	9" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,446.56	331.58	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-117.03		
26 05 36 00-0200	EA	12" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,507.75	352.11	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-121.43		
26 05 36 00-0201	EA	18" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,605.78	375.36	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-129.30		
26 05 36 00-0202	EA	24" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,767.49	433.69	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-140.61		
26 05 36 00-0203	EA	30" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,897.25	469.49	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-150.60		
26 05 36 00-0204	EA	36" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,145.48	511.74	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-171.90		
26 05 36 00-0205 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0044)					
26 05 36 00-0206	EA	6" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,798.56	352.11	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-150.51		
26 05 36 00-0207	EA	9" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,891.20	375.36	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-157.84		
26 05 36 00-0208	EA	12" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,989.33	402.00	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-165.44		
26 05 36 00-0209	EA	18" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,176.78	433.69	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-181.54		
26 05 36 00-0210	EA	24" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,468.60	511.74	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-204.21		
26 05 36 00-0211	EA	30" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,687.71	562.44	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-221.90		
26 05 36 00-0212	EA	36" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,929.09	626.53	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-240.70		
26 05 36 00-0213 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings (26 05 36 00-0002)					
26 05 36 00-0214 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0213)					
26 05 36 00-0215	EA	6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	304.14	117.73	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-20.61		
26 05 36 00-0216	EA	9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	340.04	134.04	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-22.83		
26 05 36 00-0217	EA	12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	373.84	148.24	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-25.03		
26 05 36 00-0218	EA	18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	467.38	181.69	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-31.60		
26 05 36 00-0219	EA	24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	532.79	208.57	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-35.90		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0220	EA	30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	634.65 -43.90	234.75
26 05 36 00-0221	EA	36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	731.72 -50.81	268.31
26 05 36 00-0222		24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0213)		
26 05 36 00-0223	EA	6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	426.90 -32.49	122.42
26 05 36 00-0224	EA	9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	464.26 -34.70	140.73
26 05 36 00-0225	EA	12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	499.10 -36.87	156.46
26 05 36 00-0226	EA	18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	581.00 -41.91	194.36
26 05 36 00-0227	EA	24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	651.69 -46.38	225.47
26 05 36 00-0228	EA	30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	726.47 -51.32	255.87
26 05 36 00-0229	EA	36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	850.54 -60.35	296.37
26 05 36 00-0230		36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0213)		
26 05 36 00-0231	EA	6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	460.09 -35.35	127.93
26 05 36 00-0232	EA	9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	507.33 -38.39	148.13
26 05 36 00-0233	EA	12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	548.85 -41.07	165.73
26 05 36 00-0234	EA	18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	659.64 -48.58	208.57
26 05 36 00-0235	EA	24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	750.94 -54.69	244.84
26 05 36 00-0236	EA	30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	880.89 -64.61	281.69
26 05 36 00-0237	EA	36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,000.67 -72.49	330.99
26 05 36 00-0238		12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0213)		
26 05 36 00-0239	EA	6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 30 Degree Bend, Deduct</i>	226.15 -41.93 -15.51 -74.63	85.32
26 05 36 00-0240	EA	9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 30 Degree Bend, Deduct</i>	257.92 -45.90 -17.27 -82.18	102.35
26 05 36 00-0241	EA	12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 30 Degree Bend, Deduct</i>	286.47 -49.54 -18.87 -89.09	117.37
26 05 36 00-0242	EA	18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 30 Degree Bend, Deduct</i>	343.19 -56.40 -21.96 -102.23	148.36
26 05 36 00-0243	EA	24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 30 Degree Bend, Deduct</i>	426.24 -71.01 -27.48 -128.45	181.69

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 05 36 00-0244	EA 30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 30 Degree Bend, Deduct</i>	505.36 -86.81 -33.15 -156.27		208.57
26 05 36 00-0245	EA 36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 30 Degree Bend, Deduct</i>	572.67 -95.12 -36.86 -172.13		244.84
26 05 36 00-0246	24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ^(26 05 36 00-0213)			
26 05 36 00-0247	EA 6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 30 Degree Bend, Deduct</i>	252.92 -49.74 -17.96 -87.78		88.03
26 05 36 00-0248	EA 9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 30 Degree Bend, Deduct</i>	290.00 -55.02 -20.16 -97.60		106.10
26 05 36 00-0249	EA 12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 30 Degree Bend, Deduct</i>	331.05 -62.28 -22.90 -110.61		122.54
26 05 36 00-0250	EA 18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 30 Degree Bend, Deduct</i>	391.11 -69.08 -26.07 -123.82		156.46
26 05 36 00-0251	EA 24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 30 Degree Bend, Deduct</i>	481.58 -84.43 -31.96 -151.51		194.36
26 05 36 00-0252	EA 30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 30 Degree Bend, Deduct</i>	564.27 -99.80 -37.64 -178.85		225.47
26 05 36 00-0253	EA 36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 30 Degree Bend, Deduct</i>	663.28 -116.00 -43.96 -208.25		268.43
26 05 36 00-0254	36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ^(26 05 36 00-0213)			
26 05 36 00-0255	EA 6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 30 Degree Bend, Deduct</i>	303.90 -65.48 -22.82 -114.18		90.85
26 05 36 00-0256	EA 9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 30 Degree Bend, Deduct</i>	344.98 -71.56 -25.31 -125.39		110.33
26 05 36 00-0257	EA 12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 30 Degree Bend, Deduct</i>	377.97 -75.65 -27.13 -133.19		128.05
26 05 36 00-0258	EA 18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 30 Degree Bend, Deduct</i>	454.57 -86.46 -31.64 -153.31		165.73
26 05 36 00-0259	EA 24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 30 Degree Bend, Deduct</i>	536.22 -96.99 -36.24 -173.24		208.57
26 05 36 00-0260	EA 30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 30 Degree Bend, Deduct</i>	651.52 -121.14 -44.75 -215.50		244.84
26 05 36 00-0261	EA 36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 30 Degree Bend, Deduct</i>	764.83 -138.78 -51.78 -247.76		296.37

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 36 00-0262 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0213)					
26 05 36 00-0263	EA		6" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	338.54	117.37
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.07	
26 05 36 00-0264	EA		9" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	369.68	134.04
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.79	
26 05 36 00-0265	EA		12" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	398.12	148.24
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.46	
26 05 36 00-0266	EA		18" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	460.52	181.69
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.91	
26 05 36 00-0267	EA		24" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	511.93	208.57
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.81	
26 05 36 00-0268	EA		30" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	568.66	234.75
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.30	
26 05 36 00-0269	EA		36" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	630.61	267.96
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.73	
26 05 36 00-0270 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0213)					
26 05 36 00-0271	EA		6" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	406.12	122.42
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.41	
26 05 36 00-0272	EA		9" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	441.73	140.85
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.44	
26 05 36 00-0273	EA		12" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	476.03	156.46
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.56	
26 05 36 00-0274	EA		18" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	550.58	194.36
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.86	
26 05 36 00-0275	EA		24" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	613.91	225.47
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.61	
26 05 36 00-0276	EA		30" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	677.83	255.87
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.46	
26 05 36 00-0277	EA		36" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	776.54	296.37
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.95	
26 05 36 00-0278 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0213)					
26 05 36 00-0279	EA		6" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	485.94	127.93
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.93	
26 05 36 00-0280	EA		9" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	529.54	148.24
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.60	
26 05 36 00-0281	EA		12" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	562.14	165.73
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.40	
26 05 36 00-0282	EA		18" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	656.49	208.57
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.27	
26 05 36 00-0283	EA		24" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	720.23	244.84
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.62	
26 05 36 00-0284	EA		30" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	824.32	281.69
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-58.96	
26 05 36 00-0285	EA		36" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	929.39	330.99
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-65.36	
26 05 36 00-0286 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0213)					
26 05 36 00-0287	EA		6" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	605.41	225.47
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.76	
26 05 36 00-0288	EA		9" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	654.95	244.84
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.09	
26 05 36 00-0289	EA		12" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	687.04	255.87
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.38	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
26 05 36 00-0290	EA 18" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	767.75		281.69	
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-53.30			
26 05 36 00-0291	EA 24" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	870.88		312.68	
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-61.03			
26 05 36 00-0292	EA 30" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	970.86		331.58	
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-69.46			
26 05 36 00-0293	EA 36" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,098.76		375.36	
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-78.59			
26 05 36 00-0294 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0213)					
26 05 36 00-0295	EA 6" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	768.08		244.84	
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-56.40			
26 05 36 00-0296	EA 9" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	824.42		268.43	
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-60.08			
26 05 36 00-0297	EA 12" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	860.32		281.69	
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-62.56			
26 05 36 00-0298	EA 18" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	942.87		312.68	
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-68.23			
26 05 36 00-0299	EA 24" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,046.26		352.11	
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-75.28			
26 05 36 00-0300	EA 30" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,126.19		375.36	
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-81.34			
26 05 36 00-0301	EA 36" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,363.84		433.69	
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-100.25			
26 05 36 00-0302 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0213)					
26 05 36 00-0303	EA 6" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	985.55		268.43	
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-76.19			
26 05 36 00-0304	EA 9" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,052.81		296.37	
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-80.58			
26 05 36 00-0305	EA 12" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,117.72		312.68	
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-85.71			
26 05 36 00-0306	EA 18" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,227.96		352.11	
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-93.45			
26 05 36 00-0307	EA 24" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,393.31		402.00	
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-105.83			
26 05 36 00-0308	EA 30" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,511.25		433.69	
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-114.99			
26 05 36 00-0309	EA 36" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,699.80		511.74	
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-127.33			
26 05 36 00-0310 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0213)					
26 05 36 00-0311	EA 6" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	738.49		208.57	
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-56.47			
26 05 36 00-0312	EA 9" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	755.62		216.78	
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-57.49			
26 05 36 00-0313	EA 12" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	773.40		225.47	
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-58.55			
26 05 36 00-0314	EA 18" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	812.65		244.84	
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-60.86			
26 05 36 00-0315	EA 24" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	837.89		255.87	
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-62.46			
26 05 36 00-0316	EA 30" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	908.32		281.69	
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-67.36			
26 05 36 00-0317	EA 36" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	977.16		312.68	
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-71.66			

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0318		24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0213)		
26 05 36 00-0319	EA	6" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,081.94	225.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-89.41	
26 05 36 00-0320	EA	9" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,107.76	234.75
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-91.21	
26 05 36 00-0321	EA	12" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,134.91	244.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-93.09	
26 05 36 00-0322	EA	18" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,194.67	268.43
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-97.10	
26 05 36 00-0323	EA	24" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,237.43	281.69
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-100.27	
26 05 36 00-0324	EA	30" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,309.70	312.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-104.91	
26 05 36 00-0325	EA	36" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,409.66	352.11
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-111.62	
26 05 36 00-0326		36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0213)		
26 05 36 00-0327	EA	6" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,728.01	244.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-152.40	
26 05 36 00-0328	EA	9" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,763.54	255.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-155.03	
26 05 36 00-0329	EA	12" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,801.49	268.43
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-157.78	
26 05 36 00-0330	EA	18" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,865.32	296.37
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-161.83	
26 05 36 00-0331	EA	24" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,909.66	312.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-164.91	
26 05 36 00-0332	EA	30" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,026.76	352.11
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-173.33	
26 05 36 00-0333	EA	36" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,126.97	402.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-179.20	
26 05 36 00-0334		12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0213)		
26 05 36 00-0335	EA	6" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	754.04	281.69
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-51.93	
26 05 36 00-0336	EA	9" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	792.25	296.37
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-54.53	
26 05 36 00-0337	EA	12" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	846.88	312.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-58.63	
26 05 36 00-0338	EA	18" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	909.15	331.58
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-63.29	
26 05 36 00-0339	EA	24" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,023.34	375.36
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-71.05	
26 05 36 00-0340	EA	30" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,146.47	402.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-81.15	
26 05 36 00-0341	EA	36" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,254.13	433.69
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-89.28	
26 05 36 00-0342		24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0213)		
26 05 36 00-0343	EA	6" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,073.15	312.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-81.26	
26 05 36 00-0344	EA	9" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,121.70	331.58
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-84.54	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 36 00-0345	EA	12" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,173.10	352.11
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-87.97	
26 05 36 00-0346	EA	18" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,249.60	375.36
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-93.68	
26 05 36 00-0347	EA	24" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,387.83	433.69
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-102.65	
26 05 36 00-0348	EA	30" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,492.15	469.49
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-110.09	
26 05 36 00-0349	EA	36" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,675.80	511.74
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-124.93	

26 05 36 00-0350 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting

(26 05 36 00-0213)

26 05 36 00-0351	EA	6" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,358.23	352.11
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-106.48	
26 05 36 00-0352	EA	9" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,431.31	375.36
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-111.85	
26 05 36 00-0353	EA	12" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,509.87	402.00
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-117.49	
26 05 36 00-0354	EA	18" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,648.39	433.69
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-128.70	
26 05 36 00-0355	EA	24" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,881.50	511.74
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-145.50	
26 05 36 00-0356	EA	30" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,051.68	562.44
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-158.29	
26 05 36 00-0357	EA	36" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,244.14	626.53
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-172.20	

26 05 36 00-0358 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting

(26 05 36 00-0213)

26 05 36 00-0359	EA	6" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	882.09	281.69
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-64.73	
26 05 36 00-0360	EA	9" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	926.64	296.49
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-67.96	
26 05 36 00-0361	EA	12" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	993.35	312.68
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-73.28	
26 05 36 00-0362	EA	18" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,069.80	331.70
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-79.34	
26 05 36 00-0363	EA	24" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,202.29	375.36
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-88.95	
26 05 36 00-0364	EA	30" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,361.22	402.12
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-102.61	
26 05 36 00-0365	EA	36" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,492.37	433.10
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-113.14	

26 05 36 00-0366 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting

(26 05 36 00-0213)

26 05 36 00-0367	EA	6" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,321.53	312.68
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-106.09	
26 05 36 00-0368	EA	9" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,377.80	331.58
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-110.15	
26 05 36 00-0369	EA	12" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,436.91	352.11
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-114.35	
26 05 36 00-0370	EA	18" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,530.38	375.36
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-121.76	
26 05 36 00-0371	EA	24" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,687.13	433.69
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-132.58	
26 05 36 00-0372	EA	30" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,811.50	469.49
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-142.03	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0373	EA		36" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,046.06	511.74
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-161.96	
26 05 36 00-0374			36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0213)		
26 05 36 00-0375	EA		6" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,705.35	352.11
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-141.19	
26 05 36 00-0376	EA		9" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,793.85	375.36
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-148.10	
26 05 36 00-0377	EA		12" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,887.84	402.00
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-155.29	
26 05 36 00-0378	EA		18" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,064.93	433.69
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-170.36	
26 05 36 00-0379	EA		24" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,344.32	511.74
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-191.78	
26 05 36 00-0380	EA		30" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,553.08	562.44
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-208.43	
26 05 36 00-0381	EA		36" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,784.10	626.53
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-226.20	
26 05 36 00-0382			9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings (26 05 36 00-0002)		
26 05 36 00-0383			12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0382)		
26 05 36 00-0384	EA		6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	286.14	117.73
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.81	
26 05 36 00-0385	EA		9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	320.62	134.04
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.89	
26 05 36 00-0386	EA		12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	352.70	148.24
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.92	
26 05 36 00-0387	EA		18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	439.95	181.69
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.85	
26 05 36 00-0388	EA		24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	501.93	208.57
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.81	
26 05 36 00-0389	EA		30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	594.08	234.75
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.85	
26 05 36 00-0390	EA		36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	684.30	268.31
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.07	
26 05 36 00-0391			24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0382)		
26 05 36 00-0392	EA		6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	389.76	122.42
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.77	
26 05 36 00-0393	EA		9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	425.97	140.73
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.87	
26 05 36 00-0394	EA		12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	459.39	156.46
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.90	
26 05 36 00-0395	EA		18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	538.15	194.36
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.62	
26 05 36 00-0396	EA		24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	605.69	225.47
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.78	
26 05 36 00-0397	EA		30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	676.47	255.87
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.32	
26 05 36 00-0398	EA		36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	791.11	296.37
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-54.41	
26 05 36 00-0399			36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0382)		

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
26 05 36 00-0400	EA 6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	418.95 -31.23		127.93	
26 05 36 00-0401	EA 9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	463.91 -34.05		148.13	
26 05 36 00-0402	EA 12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	503.43 -36.53		165.73	
26 05 36 00-0403	EA 18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	607.64 -43.38		208.57	
26 05 36 00-0404	EA 24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	693.80 -48.97		244.84	
26 05 36 00-0405	EA 30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	812.32 -57.76		281.69	
26 05 36 00-0406	EA 36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	925.82 -65.00		330.99	
26 05 36 00-0407 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0382)					
26 05 36 00-0408	EA 6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i>	212.15 -66.93 -14.11 -37.31		85.32	
26 05 36 00-0409	EA 9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i>	243.35 -74.17 -15.81 -41.09		102.35	
26 05 36 00-0410	EA 12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i>	271.33 -80.76 -17.35 -44.55		117.37	
26 05 36 00-0411	EA 18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i>	327.19 -93.43 -20.36 -51.12		148.36	
26 05 36 00-0412	EA 24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i>	405.67 -117.13 -25.43 -64.22		181.69	
26 05 36 00-0413	EA 30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i>	479.08 -141.81 -30.53 -78.13		208.57	
26 05 36 00-0414	EA 36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i>	545.24 -157.04 -34.12 -86.06		244.84	
26 05 36 00-0415 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0382)					
26 05 36 00-0416	EA 6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i>	235.20 -78.04 -16.19 -43.89		88.03	
26 05 36 00-0417	EA 9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i>	271.15 -87.23 -18.27 -48.80		106.10	
26 05 36 00-0418	EA 12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i>	309.91 -98.98 -20.78 -55.30		122.54	
26 05 36 00-0419	EA 18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i>	369.39 -111.87 -23.90 -61.91		156.46	
26 05 36 00-0420	EA 24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i>	455.30 -137.06 -29.34 -75.76		194.36	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0421	EA		30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	532.84	225.47
			For 30 Degree Bend, Deduct	-161.56	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-34.50	
			For 60 Degree Bend, Deduct	-89.42	
26 05 36 00-0422	EA		36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	627.29	268.43
			For 30 Degree Bend, Deduct	-188.45	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-40.36	
			For 60 Degree Bend, Deduct	-104.13	
26 05 36 00-0423			36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0382)		
26 05 36 00-0424	EA		6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	278.47	90.85
			For 30 Degree Bend, Deduct	-100.19	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-20.28	
			For 60 Degree Bend, Deduct	-57.09	
26 05 36 00-0425	EA		9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	318.13	110.33
			For 30 Degree Bend, Deduct	-110.62	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-22.62	
			For 60 Degree Bend, Deduct	-62.70	
26 05 36 00-0426	EA		12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	350.54	128.05
			For 30 Degree Bend, Deduct	-118.10	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-24.38	
			For 60 Degree Bend, Deduct	-66.59	
26 05 36 00-0427	EA		18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	424.86	165.73
			For 30 Degree Bend, Deduct	-136.97	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-28.67	
			For 60 Degree Bend, Deduct	-76.65	
26 05 36 00-0428	EA		24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	504.79	208.57
			For 30 Degree Bend, Deduct	-155.95	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-33.10	
			For 60 Degree Bend, Deduct	-86.62	
26 05 36 00-0429	EA		30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	610.95	244.84
			For 30 Degree Bend, Deduct	-193.18	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-40.69	
			For 60 Degree Bend, Deduct	-107.75	
26 05 36 00-0430	EA		36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	719.69	296.37
			For 30 Degree Bend, Deduct	-222.93	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-47.27	
			For 60 Degree Bend, Deduct	-123.88	
26 05 36 00-0431			12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0382)		
26 05 36 00-0432	EA		6" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	319.90	117.37
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-22.21	
26 05 36 00-0433	EA		9" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	350.61	134.04
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-23.89	
26 05 36 00-0434	EA		12" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	378.41	148.24
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-25.49	
26 05 36 00-0435	EA		18" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	439.95	181.69
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-28.85	
26 05 36 00-0436	EA		24" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	490.51	208.57
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-31.67	
26 05 36 00-0437	EA		30" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	545.51	234.75
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-34.99	
26 05 36 00-0438	EA		36" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	606.61	267.96
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-38.33	
26 05 36 00-0439			24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0382)		
26 05 36 00-0440	EA		6" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	379.76	122.42
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-27.77	
26 05 36 00-0441	EA		9" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	414.74	140.85
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-29.74	
26 05 36 00-0442	EA		12" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	447.96	156.46
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-31.75	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
26 05 36 00-0443	EA 18" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	521.01 -35.91		194.36	
26 05 36 00-0444	EA 24" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	582.84 -39.50		225.47	
26 05 36 00-0445	EA 30" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	645.05 -43.18		255.87	
26 05 36 00-0446	EA 36" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	739.69 -49.27		296.37	
26 05 36 00-0447 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0382)					
26 05 36 00-0448	EA 6" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	450.38 -34.38		127.93	
26 05 36 00-0449	EA 9" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	492.69 -36.92		148.24	
26 05 36 00-0450	EA 12" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	524.85 -38.67		165.73	
26 05 36 00-0451	EA 18" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	616.21 -44.24		208.57	
26 05 36 00-0452	EA 24" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	679.52 -47.55		244.84	
26 05 36 00-0453	EA 30" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	778.04 -54.33		281.69	
26 05 36 00-0454	EA 36" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	880.11 -60.43		330.99	
26 05 36 00-0455 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0382)					
26 05 36 00-0456	EA 6" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	567.12 -37.93		225.47	
26 05 36 00-0457	EA 9" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	613.81 -40.98		244.84	
26 05 36 00-0458	EA 12" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	643.62 -43.04		255.87	
26 05 36 00-0459	EA 18" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	718.04 -48.33		281.69	
26 05 36 00-0460	EA 24" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	812.60 -55.20		312.68	
26 05 36 00-0461	EA 30" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	901.15 -62.49		331.58	
26 05 36 00-0462	EA 36" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,019.91 -70.71		375.36	
26 05 36 00-0463 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0382)					
26 05 36 00-0464	EA 6" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	708.09 -50.40		244.84	
26 05 36 00-0465	EA 9" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	761.56 -53.79		268.43	
26 05 36 00-0466	EA 12" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	795.18 -56.04		281.69	
26 05 36 00-0467	EA 18" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	872.59 -61.20		312.68	
26 05 36 00-0468	EA 24" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	969.69 -67.63		352.11	
26 05 36 00-0469	EA 30" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,042.76 -72.99		375.36	
26 05 36 00-0470	EA 36" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,256.99 -89.56		433.69	

26 05 36 00-0471			36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0382)		
26 05 36 00-0472	EA		6" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	895.84	268.43
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-67.22	
26 05 36 00-0473	EA		9" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	959.67	296.37
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-71.27	
26 05 36 00-0474	EA		12" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,018.30	312.68
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-75.77	
26 05 36 00-0475	EA		18" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,121.11	352.11
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-82.77	
26 05 36 00-0476	EA		24" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,272.74	402.00
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-93.78	
26 05 36 00-0477	EA		30" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,379.84	433.69
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-101.85	
26 05 36 00-0478	EA		36" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,558.66	511.74
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-113.22	
26 05 36 00-0479			12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0382)		
26 05 36 00-0480	EA		6" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	673.35	208.57
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.95	
26 05 36 00-0481	EA		9" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	689.91	216.78
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-50.92	
26 05 36 00-0482	EA		12" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	707.11	225.47
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.93	
26 05 36 00-0483	EA		18" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	745.23	244.84
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-54.12	
26 05 36 00-0484	EA		24" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	769.32	255.87
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.61	
26 05 36 00-0485	EA		30" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	835.18	281.69
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-60.04	
26 05 36 00-0486	EA		36" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	901.16	312.68
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-64.06	
26 05 36 00-0487			24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0382)		
26 05 36 00-0488	EA		6" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	964.24	225.47
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-77.64	
26 05 36 00-0489	EA		9" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	988.34	234.75
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-79.27	
26 05 36 00-0490	EA		12" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,013.78	244.84
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-80.97	
26 05 36 00-0491	EA		18" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,070.11	268.43
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-84.65	
26 05 36 00-0492	EA		24" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,109.44	281.69
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-87.47	
26 05 36 00-0493	EA		30" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,178.29	312.68
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-91.77	
26 05 36 00-0494	EA		36" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,272.52	352.11
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-97.91	
26 05 36 00-0495			36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0382)		
26 05 36 00-0496	EA		6" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,508.03	244.84
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-130.40	
26 05 36 00-0497	EA		9" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,540.69	255.87
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-132.74	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT	COST	UNIT	COST
26 05 36 00-0498	EA 12" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....		1,575.79		268.43
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		-135.21		
26 05 36 00-0499	EA 18" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....		1,636.76		296.37
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		-138.98		
26 05 36 00-0500	EA 24" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....		1,678.25		312.68
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		-141.77		
26 05 36 00-0501	EA 30" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....		1,786.77		352.11
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		-149.33		
26 05 36 00-0502	EA 36" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....		1,884.13		402.00
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		-154.92		
26 05 36 00-0503 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0382)					
26 05 36 00-0504	EA 6" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....		706.62		281.69
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		-47.19		
26 05 36 00-0505	EA 9" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....		742.54		296.37
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		-49.55		
26 05 36 00-0506	EA 12" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....		792.60		312.68
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		-53.20		
26 05 36 00-0507	EA 18" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....		849.72		331.58
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		-57.34		
26 05 36 00-0508	EA 24" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....		957.05		375.36
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		-64.42		
26 05 36 00-0509	EA 30" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....		1,067.04		402.00
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		-73.21		
26 05 36 00-0510	EA 36" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....		1,165.56		433.69
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		-80.42		
26 05 36 00-0511 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0382)					
26 05 36 00-0512	EA 6" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....		981.16		312.68
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		-72.06		
26 05 36 00-0513	EA 9" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....		1,026.85		331.58
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		-75.06		
26 05 36 00-0514	EA 12" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....		1,075.40		352.11
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		-78.20		
26 05 36 00-0515	EA 18" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....		1,145.61		375.36
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		-83.28		
26 05 36 00-0516	EA 24" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....		1,276.99		433.69
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		-91.56		
26 05 36 00-0517	EA 30" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....		1,373.88		469.49
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		-98.26		
26 05 36 00-0518	EA 36" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....		1,538.66		511.74
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		-111.22		
26 05 36 00-0519 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0382)					
26 05 36 00-0520	EA 6" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....		1,229.67		352.11
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		-93.62		
26 05 36 00-0521	EA 9" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....		1,297.03		375.36
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		-98.42		
26 05 36 00-0522	EA 12" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....		1,369.88		402.00
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		-103.49		
26 05 36 00-0523	EA 18" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....		1,494.11		433.69
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		-113.27		
26 05 36 00-0524	EA 24" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....		1,710.08		511.74
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		-128.36		
26 05 36 00-0525	EA 30" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....		1,865.98		562.44
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		-139.72		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0526	EA	36" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	2,044.16 -152.20	626.53
26 05 36 00-0527		12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0382)		
26 05 36 00-0528	EA	6" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	813.32 -57.86	281.69
26 05 36 00-0529	EA	9" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	854.56 -60.75	296.49
26 05 36 00-0530	EA	12" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	914.64 -65.41	312.68
26 05 36 00-0531	EA	18" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	983.64 -70.72	331.70
26 05 36 00-0532	EA	24" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,106.19 -79.34	375.36
26 05 36 00-0533	EA	30" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,246.06 -91.09	402.12
26 05 36 00-0534	EA	36" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,363.95 -100.30	433.10
26 05 36 00-0535		24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0382)		
26 05 36 00-0536	EA	6" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,188.14 -92.75	312.68
26 05 36 00-0537	EA	9" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,240.26 -96.40	331.58
26 05 36 00-0538	EA	12" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,295.24 -100.18	352.11
26 05 36 00-0539	EA	18" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,379.60 -106.68	375.36
26 05 36 00-0540	EA	24" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,526.40 -116.50	433.69
26 05 36 00-0541	EA	30" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,640.00 -124.88	469.49
26 05 36 00-0542	EA	36" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,847.21 -142.07	511.74
26 05 36 00-0543		36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0382)		
26 05 36 00-0544	EA	6" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,518.94 -122.55	352.11
26 05 36 00-0545	EA	9" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,599.15 -128.63	375.36
26 05 36 00-0546	EA	12" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,684.86 -134.99	402.00
26 05 36 00-0547	EA	18" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,841.23 -147.99	433.69
26 05 36 00-0548	EA	24" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	2,095.77 -166.93	511.74
26 05 36 00-0549	EA	30" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	2,283.81 -181.51	562.44
26 05 36 00-0550	EA	36" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	2,494.12 -197.20	626.53
26 05 36 00-0551		12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings (26 05 36 00-0002)		
26 05 36 00-0552		12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)		

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 36 00-0553	EA	6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	279.84	117.73
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.18	
26 05 36 00-0554	EA	9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	313.82	134.04
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.21	
26 05 36 00-0555	EA	12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	345.30	148.24
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.18	
26 05 36 00-0556	EA	18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	430.35	181.69
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.89	
26 05 36 00-0557	EA	24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	491.14	208.57
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.73	
26 05 36 00-0558	EA	30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	579.88	234.75
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.43	
26 05 36 00-0559	EA	36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	667.70	268.31
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.41	

26 05 36 00-0560 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting
(26 05 36 00-0551)

26 05 36 00-0561	EA	6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	376.76	122.42
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.47	
26 05 36 00-0562	EA	9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	412.58	140.73
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.53	
26 05 36 00-0563	EA	12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	445.49	156.46
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.51	
26 05 36 00-0564	EA	18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	523.15	194.36
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.12	
26 05 36 00-0565	EA	24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	589.59	225.47
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.17	
26 05 36 00-0566	EA	30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	658.97	255.87
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.57	
26 05 36 00-0567	EA	36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	770.31	296.37
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.33	

26 05 36 00-0568 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting
(26 05 36 00-0551)

26 05 36 00-0569	EA	6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	404.55	127.93
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.79	
26 05 36 00-0570	EA	9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	448.71	148.13
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.53	
26 05 36 00-0571	EA	12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	487.53	165.73
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.94	
26 05 36 00-0572	EA	18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	589.44	208.57
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.56	
26 05 36 00-0573	EA	24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	673.81	244.84
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.98	
26 05 36 00-0574	EA	30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	788.32	281.69
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.36	
26 05 36 00-0575	EA	36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	899.62	330.99
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-62.38	

26 05 36 00-0576 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting
(26 05 36 00-0551)

26 05 36 00-0577	EA	6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	207.26	85.32
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.62	
		<i>For 60 Degree Bend, Deduct</i>	-35.70	
		<i>For 30 Degree Bend, Deduct</i>	-64.24	
26 05 36 00-0578	EA	9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	238.25	102.35
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.30	
		<i>For 60 Degree Bend, Deduct</i>	-39.41	
		<i>For 30 Degree Bend, Deduct</i>	-71.36	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0579	EA		12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	266.03	117.37
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-16.82	
			For 60 Degree Bend, Deduct	-42.80	
			For 30 Degree Bend, Deduct	-77.85	
26 05 36 00-0580	EA		18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	321.59	148.36
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-19.80	
			For 60 Degree Bend, Deduct	-49.27	
			For 30 Degree Bend, Deduct	-90.35	
26 05 36 00-0581	EA		24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	398.47	181.69
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-24.71	
			For 60 Degree Bend, Deduct	-61.85	
			For 30 Degree Bend, Deduct	-113.17	
26 05 36 00-0582	EA		30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	469.88	208.57
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-29.61	
			For 60 Degree Bend, Deduct	-75.10	
			For 30 Degree Bend, Deduct	-136.75	
26 05 36 00-0583	EA		36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	535.64	244.84
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-33.16	
			For 60 Degree Bend, Deduct	-82.90	
			For 30 Degree Bend, Deduct	-151.76	
26 05 36 00-0584 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)					
26 05 36 00-0585	EA		6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	229.01	88.03
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-15.57	
			For 60 Degree Bend, Deduct	-41.85	
			For 30 Degree Bend, Deduct	-74.63	
26 05 36 00-0586	EA		9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	264.55	106.10
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-17.61	
			For 60 Degree Bend, Deduct	-46.62	
			For 30 Degree Bend, Deduct	-83.60	
26 05 36 00-0587	EA		12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	302.51	122.54
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-20.04	
			For 60 Degree Bend, Deduct	-52.86	
			For 30 Degree Bend, Deduct	-94.91	
26 05 36 00-0588	EA		18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	361.79	156.46
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-23.14	
			For 60 Degree Bend, Deduct	-59.40	
			For 30 Degree Bend, Deduct	-107.69	
26 05 36 00-0589	EA		24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	446.10	194.36
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-28.42	
			For 60 Degree Bend, Deduct	-72.72	
			For 30 Degree Bend, Deduct	-132.00	
26 05 36 00-0590	EA		30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	521.84	225.47
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-33.40	
			For 60 Degree Bend, Deduct	-85.79	
			For 30 Degree Bend, Deduct	-155.51	
26 05 36 00-0591	EA		36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	614.69	268.43
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-39.10	
			For 60 Degree Bend, Deduct	-99.97	
			For 30 Degree Bend, Deduct	-181.52	
26 05 36 00-0592 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)					
26 05 36 00-0593	EA		6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	269.57	90.85
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-19.39	
			For 60 Degree Bend, Deduct	-54.15	
			For 30 Degree Bend, Deduct	-95.29	
26 05 36 00-0594	EA		9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	308.73	110.33
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-21.68	
			For 60 Degree Bend, Deduct	-59.60	
			For 30 Degree Bend, Deduct	-105.45	
26 05 36 00-0595	EA		12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	340.94	128.05
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-23.42	
			For 60 Degree Bend, Deduct	-63.43	
			For 30 Degree Bend, Deduct	-112.82	
26 05 36 00-0596	EA		18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	414.46	165.73
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-27.63	
			For 60 Degree Bend, Deduct	-73.22	
			For 30 Degree Bend, Deduct	-131.25	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
26 05 36 00-0597	EA 24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	493.79 -32.00 -82.99 -149.90		208.57	
26 05 36 00-0598	EA 30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	596.75 -39.27 -103.06 -185.37		244.84	
26 05 36 00-0599	EA 36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	703.89 -45.69 -118.67 -214.24		296.37	
26 05 36 00-0600	12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)				
26 05 36 00-0601	EA 6" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	311.20 -21.34		117.37	
26 05 36 00-0602	EA 9" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	341.71 -23.00		134.04	
26 05 36 00-0603	EA 12" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	369.21 -24.57		148.24	
26 05 36 00-0604	EA 18" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	430.35 -27.89		181.69	
26 05 36 00-0605	EA 24" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	480.51 -30.67		208.57	
26 05 36 00-0606	EA 30" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	534.72 -33.91		234.75	
26 05 36 00-0607	EA 36" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	595.41 -37.21		267.96	
26 05 36 00-0608	24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)				
26 05 36 00-0609	EA 6" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	367.46 -26.54		122.42	
26 05 36 00-0610	EA 9" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	402.14 -28.48		140.85	
26 05 36 00-0611	EA 12" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	434.86 -30.44		156.46	
26 05 36 00-0612	EA 18" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	507.21 -34.53		194.36	
26 05 36 00-0613	EA 24" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	568.34 -38.05		225.47	
26 05 36 00-0614	EA 30" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	629.75 -41.65		255.87	
26 05 36 00-0615	EA 36" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	722.49 -47.55		296.37	
26 05 36 00-0616	36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)				
26 05 36 00-0617	EA 6" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	433.78 -32.72		127.93	
26 05 36 00-0618	EA 9" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	475.49 -35.20		148.24	
26 05 36 00-0619	EA 12" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	507.45 -36.93		165.73	
26 05 36 00-0620	EA 18" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	597.41 -42.36		208.57	
26 05 36 00-0621	EA 24" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	660.52 -45.65		244.84	
26 05 36 00-0622	EA 30" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	756.44 -52.17		281.69	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0623	EA	36" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	857.11 -58.13	330.99
26 05 36 00-0624 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)				
26 05 36 00-0625	EA	6" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	547.98 -36.01	225.47
26 05 36 00-0626	EA	9" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	593.24 -38.92	244.84
26 05 36 00-0627	EA	12" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	621.90 -40.87	255.87
26 05 36 00-0628	EA	18" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	693.19 -45.84	281.69
26 05 36 00-0629	EA	24" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	783.46 -52.29	312.68
26 05 36 00-0630	EA	30" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	866.29 -59.00	331.58
26 05 36 00-0631	EA	36" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	980.48 -66.77	375.36
26 05 36 00-0632 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)				
26 05 36 00-0633	EA	6" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	678.09 -47.40	244.84
26 05 36 00-0634	EA	9" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	730.14 -50.65	268.43
26 05 36 00-0635	EA	12" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	762.61 -52.79	281.69
26 05 36 00-0636	EA	18" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	837.45 -57.69	312.68
26 05 36 00-0637	EA	24" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	931.41 -63.80	352.11
26 05 36 00-0638	EA	30" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,001.05 -68.82	375.36
26 05 36 00-0639	EA	36" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,203.56 -84.22	433.69
26 05 36 00-0640 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)				
26 05 36 00-0641	EA	6" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	850.98 -62.73	268.43
26 05 36 00-0642	EA	9" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	913.10 -66.61	296.37
26 05 36 00-0643	EA	12" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	968.59 -70.80	312.68
26 05 36 00-0644	EA	18" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,067.68 -77.43	352.11
26 05 36 00-0645	EA	24" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,212.46 -87.75	402.00
26 05 36 00-0646	EA	30" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,314.13 -95.28	433.69
26 05 36 00-0647	EA	36" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,488.10 -106.16	511.74
26 05 36 00-0648 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)				
26 05 36 00-0649	EA	6" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	640.78 -46.70	208.57

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 36 00-0650	EA	9" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	657.05	216.78
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.64	
26 05 36 00-0651	EA	12" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	673.97	225.47
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.61	
26 05 36 00-0652	EA	18" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	711.52	244.84
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-50.75	
26 05 36 00-0653	EA	24" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	735.04	255.87
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.18	
26 05 36 00-0654	EA	30" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	798.61	281.69
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-56.39	
26 05 36 00-0655	EA	36" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	863.17	312.68
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-60.26	

26 05 36 00-0656 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting

(26 05 36 00-0551)

26 05 36 00-0657	EA	6" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	905.39	225.47
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-71.75	
26 05 36 00-0658	EA	9" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	928.63	234.75
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-73.30	
26 05 36 00-0659	EA	12" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	953.21	244.84
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-74.92	
26 05 36 00-0660	EA	18" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,007.83	268.43
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-78.42	
26 05 36 00-0661	EA	24" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,045.45	281.69
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-81.07	
26 05 36 00-0662	EA	30" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,112.58	312.68
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-85.20	
26 05 36 00-0663	EA	36" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,203.96	352.11
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-91.05	

26 05 36 00-0664 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting

(26 05 36 00-0551)

26 05 36 00-0665	EA	6" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,398.04	244.84
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-119.40	
26 05 36 00-0666	EA	9" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,429.27	255.87
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-121.60	
26 05 36 00-0667	EA	12" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,462.94	268.43
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-123.93	
26 05 36 00-0668	EA	18" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,522.49	296.37
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-127.55	
26 05 36 00-0669	EA	24" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,562.54	312.68
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-130.19	
26 05 36 00-0670	EA	30" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,666.78	352.11
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-137.34	
26 05 36 00-0671	EA	36" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,762.71	402.00
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-142.77	

26 05 36 00-0672 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting

(26 05 36 00-0551)

26 05 36 00-0673	EA	6" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	682.90	281.69
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.82	
26 05 36 00-0674	EA	9" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	717.69	296.37
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.07	
26 05 36 00-0675	EA	12" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	765.46	312.68
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-50.49	
26 05 36 00-0676	EA	18" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	820.01	331.58
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-54.37	
26 05 36 00-0677	EA	24" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	923.91	375.36
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-61.11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0678 EA 30" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,027.33 -69.24	402.00
26 05 36 00-0679 EA 36" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,121.28 -75.99	433.69
26 05 36 00-0680 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)		
26 05 36 00-0681 EA 6" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	935.16 -67.46	312.68
26 05 36 00-0682 EA 9" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	979.43 -70.31	331.58
26 05 36 00-0683 EA 12" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,026.54 -73.31	352.11
26 05 36 00-0684 EA 18" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,093.62 -78.08	375.36
26 05 36 00-0685 EA 24" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,221.56 -86.02	433.69
26 05 36 00-0686 EA 30" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,314.74 -92.35	469.49
26 05 36 00-0687 EA 36" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,470.10 -104.36	511.74
26 05 36 00-0688 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)		
26 05 36 00-0689 EA 6" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,165.39 -87.20	352.11
26 05 36 00-0690 EA 9" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,229.89 -91.71	375.36
26 05 36 00-0691 EA 12" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,299.88 -96.49	402.00
26 05 36 00-0692 EA 18" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,416.98 -105.56	433.69
26 05 36 00-0693 EA 24" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,624.37 -119.79	511.74
26 05 36 00-0694 EA 30" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,773.13 -130.44	562.44
26 05 36 00-0695 EA 36" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,944.16 -142.20	626.53
26 05 36 00-0696 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)		
26 05 36 00-0697 EA 6" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	778.94 -54.42	281.69
26 05 36 00-0698 EA 9" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	818.52 -57.14	296.49
26 05 36 00-0699 EA 12" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	875.29 -61.47	312.68
26 05 36 00-0700 EA 18" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	940.55 -66.41	331.70
26 05 36 00-0701 EA 24" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,058.13 -74.53	375.36
26 05 36 00-0702 EA 30" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,188.47 -85.34	402.12
26 05 36 00-0703 EA 36" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,299.74 -93.88	433.10
26 05 36 00-0704 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)		

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 36 00-0705	EA	6" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,121.45	312.68
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-86.09	
26 05 36 00-0706	EA	9" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,171.50	331.58
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-89.52	
26 05 36 00-0707	EA	12" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,224.40	352.11
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-93.10	
26 05 36 00-0708	EA	18" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,304.20	375.36
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-99.14	
26 05 36 00-0709	EA	24" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,446.03	433.69
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-108.47	
26 05 36 00-0710	EA	30" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,554.25	469.49
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-116.30	
26 05 36 00-0711	EA	36" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,747.79	511.74
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-132.13	

26 05 36 00-0712 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting

(26 05 36 00-0551)

26 05 36 00-0713	EA	6" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,425.73	352.11
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-113.23	
26 05 36 00-0714	EA	9" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,501.80	375.36
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-118.90	
26 05 36 00-0715	EA	12" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,583.36	402.00
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-124.84	
26 05 36 00-0716	EA	18" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,729.38	433.69
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-136.80	
26 05 36 00-0717	EA	24" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,971.49	511.74
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-154.50	
26 05 36 00-0718	EA	30" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,149.18	562.44
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-168.04	
26 05 36 00-0719	EA	36" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,349.14	626.53
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-182.70	

26 05 36 00-0720 Dropout Or End Plates And Reducers

(26 05 36 00-0002)

26 05 36 00-0721 Straight Reducers

(26 05 36 00-0720)

26 05 36 00-0722	EA	9" To 6" Reducer, Steel Cable Tray.....	275.83	86.62
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.36	
26 05 36 00-0723	EA	12" To 9" Reducer, Steel Cable Tray.....	290.61	93.78
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.24	
26 05 36 00-0724	EA	18" To 12" Reducer, Steel Cable Tray.....	314.74	108.22
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.45	
26 05 36 00-0725	EA	24" To 18" Reducer, Steel Cable Tray.....	345.83	125.24
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.15	
26 05 36 00-0726	EA	30" To 24" Reducer, Steel Cable Tray.....	374.74	140.85
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.74	
26 05 36 00-0727	EA	36" To 30" Reducer, Steel Cable Tray.....	425.35	160.92
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.12	

26 05 36 00-0728 Reducers

(26 05 36 00-0720)

26 05 36 00-0729	EA	18" To 6" Reducer, Steel Cable Tray.....	320.56	108.34
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.03	
26 05 36 00-0730	EA	24" To 12" Reducer, Steel Cable Tray.....	351.85	125.36
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.74	
26 05 36 00-0731	EA	30" To 12" Reducer, Steel Cable Tray.....	385.98	140.73
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.87	
26 05 36 00-0732	EA	30" To 18" Reducer, Steel Cable Tray.....	391.50	140.61
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.43	
26 05 36 00-0733	EA	36" To 12" Reducer, Steel Cable Tray.....	428.21	160.92
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.41	
26 05 36 00-0734	EA	36" To 18" Reducer, Steel Cable Tray.....	440.96	165.15
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.33	
26 05 36 00-0735	EA	36" To 24" Reducer, Steel Cable Tray.....	455.48	170.43
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.35	

26 05 36 00-0736 Dropout Or End Plate

(26 05 36 00-0720)

26 05 36 00-0737	EA	6" Dropout Or End Plate, Steel Cable Tray.....	73.39	35.21
26 05 36 00-0738	EA	9" Dropout Or End Plate, Steel Cable Tray.....	84.30	40.26
26 05 36 00-0739	EA	12" Dropout Or End Plate, Steel Cable Tray.....	91.04	43.31
26 05 36 00-0740	EA	18" Dropout Or End Plate, Steel Cable Tray.....	107.46	51.18
26 05 36 00-0741	EA	24" Dropout Or End Plate, Steel Cable Tray.....	120.75	56.34

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0742	EA	30" Dropout Or End Plate, Steel Cable Tray.....	133.78	62.56
26 05 36 00-0743	EA	36" Dropout Or End Plate, Steel Cable Tray.....	151.08	70.42
26 05 36 00-0744		Ladder Bottom Aluminum Cable Tray (26 05 36 00-0001) Note: 4-5/8" Height		
26 05 36 00-0745		Straight Tray Sections (26 05 36 00-0744)		
26 05 36 00-0746		4" Rung Spacing (26 05 36 00-0745)		
26 05 36 00-0747	LF	6" Aluminum Cable Tray, 4" Rung Spacing, Straight Section For 6" Overall Height Instead Of 4-5/8", Add For Class 12C Instead Of Class 12B, Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	117.39 5.87 16.23 -11.05	8.22
26 05 36 00-0748	LF	9" Aluminum Cable Tray, 4" Rung Spacing, Straight Section For 6" Overall Height Instead Of 4-5/8", Add For Class 12C Instead Of Class 12B, Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	124.15 6.21 17.18 -11.69	8.69
26 05 36 00-0749	LF	12" Aluminum Cable Tray, 4" Rung Spacing, Straight Section For 6" Overall Height Instead Of 4-5/8", Add For Class 12C Instead Of Class 12B, Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	130.89 6.54 18.12 -12.33	9.04
26 05 36 00-0750	LF	18" Aluminum Cable Tray, 4" Rung Spacing, Straight Section For 6" Overall Height Instead Of 4-5/8", Add For Class 12C Instead Of Class 12B, Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	145.45 7.27 20.17 -13.72	9.86
26 05 36 00-0751	LF	24" Aluminum Cable Tray, 4" Rung Spacing, Straight Section For 6" Overall Height Instead Of 4-5/8", Add For Class 12C Instead Of Class 12B, Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	168.18 8.41 23.48 -15.94	10.56
26 05 36 00-0752	LF	30" Aluminum Cable Tray, 4" Rung Spacing, Straight Section For 6" Overall Height Instead Of 4-5/8", Add For Class 12C Instead Of Class 12B, Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	184.55 9.23 25.81 -17.52	11.27
26 05 36 00-0753	LF	36" Aluminum Cable Tray, 4" Rung Spacing, Straight Section For 6" Overall Height Instead Of 4-5/8", Add For Class 12C Instead Of Class 12B, Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	198.98 9.95 27.85 -18.90	11.97
26 05 36 00-0754		6" Rung Spacing (26 05 36 00-0745)		
26 05 36 00-0755	LF	6" Aluminum Cable Tray, 6" Rung Spacing, Straight Section For 6" Overall Height Instead Of 4-5/8", Add For Class 12C Instead Of Class 12B, Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	107.97 5.40 14.82 -10.11	8.22
26 05 36 00-0756	LF	9" Aluminum Cable Tray, 6" Rung Spacing, Straight Section For 6" Overall Height Instead Of 4-5/8", Add For Class 12C Instead Of Class 12B, Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	114.17 5.71 15.68 -10.70	8.69
26 05 36 00-0757	LF	12" Aluminum Cable Tray, 6" Rung Spacing, Straight Section For 6" Overall Height Instead Of 4-5/8", Add For Class 12C Instead Of Class 12B, Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	120.37 6.02 16.54 -11.28	9.04
26 05 36 00-0758	LF	18" Aluminum Cable Tray, 6" Rung Spacing, Straight Section For 6" Overall Height Instead Of 4-5/8", Add For Class 12C Instead Of Class 12B, Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	133.73 6.69 18.41 -12.55	9.86
26 05 36 00-0759	LF	24" Aluminum Cable Tray, 6" Rung Spacing, Straight Section For 6" Overall Height Instead Of 4-5/8", Add For Class 12C Instead Of Class 12B, Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	154.48 7.72 21.42 -14.57	10.56
26 05 36 00-0760	LF	30" Aluminum Cable Tray, 6" Rung Spacing, Straight Section For 6" Overall Height Instead Of 4-5/8", Add For Class 12C Instead Of Class 12B, Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	169.47 8.47 23.55 -16.01	11.27
26 05 36 00-0761	LF	36" Aluminum Cable Tray, 6" Rung Spacing, Straight Section For 6" Overall Height Instead Of 4-5/8", Add For Class 12C Instead Of Class 12B, Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	182.71 9.14 25.41 -17.27	11.97
26 05 36 00-0762		9" Rung Spacing (26 05 36 00-0745)		
26 05 36 00-0763	LF	6" Aluminum Cable Tray, 9" Rung Spacing, Straight Section For 6" Overall Height Instead Of 4-5/8", Add For Class 12C Instead Of Class 12B, Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	95.90 4.80 13.07 -8.93	7.87
26 05 36 00-0764	LF	9" Aluminum Cable Tray, 9" Rung Spacing, Straight Section For 6" Overall Height Instead Of 4-5/8", Add For Class 12C Instead Of Class 12B, Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	96.93 4.85 13.17 -9.01	8.22
26 05 36 00-0765	LF	12" Aluminum Cable Tray, 9" Rung Spacing, Straight Section For 6" Overall Height Instead Of 4-5/8", Add For Class 12C Instead Of Class 12B, Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	104.04 5.20 14.17 -9.68	8.69
26 05 36 00-0766	LF	18" Aluminum Cable Tray, 9" Rung Spacing, Straight Section For 6" Overall Height Instead Of 4-5/8", Add For Class 12C Instead Of Class 12B, Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	111.07 5.55 15.11 -10.33	9.27

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
26 05 36 00-0767	LF 24" Aluminum Cable Tray, 9" Rung Spacing, Straight Section For 6" Overall Height Instead Of 4-5/8", Add For Class 12C Instead Of Class 12B, Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	126.32 6.32 17.35 -11.83		9.62	
26 05 36 00-0768	LF 30" Aluminum Cable Tray, 9" Rung Spacing, Straight Section For 6" Overall Height Instead Of 4-5/8", Add For Class 12C Instead Of Class 12B, Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	140.03 7.00 19.27 -13.14		10.33	
26 05 36 00-0769	LF 36" Aluminum Cable Tray, 9" Rung Spacing, Straight Section For 6" Overall Height Instead Of 4-5/8", Add For Class 12C Instead Of Class 12B, Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	148.43 7.42 20.38 -13.90		11.27	
26 05 36 00-0770 12" Rung Spacing (26 05 36 00-0745)					
26 05 36 00-0771	LF 6" Aluminum Cable Tray, 12" Rung Spacing, Straight Section For 6" Overall Height Instead Of 4-5/8", Add For Class 12C Instead Of Class 12B, Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	94.06 4.70 12.84 -8.77		7.63	
26 05 36 00-0772	LF 9" Aluminum Cable Tray, 12" Rung Spacing, Straight Section For 6" Overall Height Instead Of 4-5/8", Add For Class 12C Instead Of Class 12B, Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	94.98 4.75 12.93 -8.84		7.87	
26 05 36 00-0773	LF 12" Aluminum Cable Tray, 12" Rung Spacing, Straight Section For 6" Overall Height Instead Of 4-5/8", Add For Class 12C Instead Of Class 12B, Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	98.51 4.93 13.38 -9.15		8.33	
26 05 36 00-0774	LF 18" Aluminum Cable Tray, 12" Rung Spacing, Straight Section For 6" Overall Height Instead Of 4-5/8", Add For Class 12C Instead Of Class 12B, Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	104.38 5.22 14.18 -9.70		8.80	
26 05 36 00-0775	LF 24" Aluminum Cable Tray, 12" Rung Spacing, Straight Section For 6" Overall Height Instead Of 4-5/8", Add For Class 12C Instead Of Class 12B, Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	114.70 5.74 15.71 -10.72		8.92	
26 05 36 00-0776	LF 30" Aluminum Cable Tray, 12" Rung Spacing, Straight Section For 6" Overall Height Instead Of 4-5/8", Add For Class 12C Instead Of Class 12B, Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	123.02 6.15 16.82 -11.48		9.86	
26 05 36 00-0777	LF 36" Aluminum Cable Tray, 12" Rung Spacing, Straight Section For 6" Overall Height Instead Of 4-5/8", Add For Class 12C Instead Of Class 12B, Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	129.91 6.50 17.71 -12.10		10.68	
26 05 36 00-0778 18" Rung Spacing (26 05 36 00-0745)					
26 05 36 00-0779	LF 6" Aluminum Cable Tray, 18" Rung Spacing, Straight Section For 6" Overall Height Instead Of 4-5/8", Add For Class 12C Instead Of Class 12B, Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	93.26 4.66 12.75 -8.71		7.40	
26 05 36 00-0780	LF 9" Aluminum Cable Tray, 18" Rung Spacing, Straight Section For 6" Overall Height Instead Of 4-5/8", Add For Class 12C Instead Of Class 12B, Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	92.80 4.64 12.64 -8.64		7.75	
26 05 36 00-0781	LF 12" Aluminum Cable Tray, 18" Rung Spacing, Straight Section For 6" Overall Height Instead Of 4-5/8", Add For Class 12C Instead Of Class 12B, Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	97.92 4.90 13.35 -9.12		7.98	
26 05 36 00-0782	LF 18" Aluminum Cable Tray, 18" Rung Spacing, Straight Section For 6" Overall Height Instead Of 4-5/8", Add For Class 12C Instead Of Class 12B, Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	103.21 5.16 14.08 -9.62		8.45	
26 05 36 00-0783	LF 24" Aluminum Cable Tray, 18" Rung Spacing, Straight Section For 6" Overall Height Instead Of 4-5/8", Add For Class 12C Instead Of Class 12B, Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	110.32 5.52 15.12 -10.32		8.57	
26 05 36 00-0784	LF 30" Aluminum Cable Tray, 18" Rung Spacing, Straight Section For 6" Overall Height Instead Of 4-5/8", Add For Class 12C Instead Of Class 12B, Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	114.84 5.74 15.67 -10.71		9.39	
26 05 36 00-0785	LF 36" Aluminum Cable Tray, 18" Rung Spacing, Straight Section For 6" Overall Height Instead Of 4-5/8", Add For Class 12C Instead Of Class 12B, Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	120.93 6.05 16.43 -11.24		10.21	
26 05 36 00-0786 4" Rung Tray Fittings (26 05 36 00-0744)					
26 05 36 00-0787 90 Degree, 12" Radius Horizontal Elbows (26 05 36 00-0786)					
26 05 36 00-0788	EA 6" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	347.23 17.36 -24.92		117.73	
26 05 36 00-0789	EA 9" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	378.39 18.92 -26.67		134.04	
26 05 36 00-0790	EA 12" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	430.59 21.53 -30.71		148.24	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0791	EA	18" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	509.36	181.69
		For 6" Overall Height Instead Of 4-5/8", Add	25.47	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-35.80	
26 05 36 00-0792	EA	24" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	603.93	208.57
		For 6" Overall Height Instead Of 4-5/8", Add	30.20	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-43.01	
26 05 36 00-0793	EA	30" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	662.81	234.75
		For 6" Overall Height Instead Of 4-5/8", Add	33.14	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-46.72	
26 05 36 00-0794	EA	36" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	776.11	268.31
		For 6" Overall Height Instead Of 4-5/8", Add	38.81	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-55.25	
26 05 36 00-0795 90 Degree, 24" Radius Horizontal Elbows (26 05 36 00-0786)				
26 05 36 00-0796	EA	6" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	471.80	122.42
		For 6" Overall Height Instead Of 4-5/8", Add	23.59	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-36.98	
26 05 36 00-0797	EA	9" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	513.78	140.73
		For 6" Overall Height Instead Of 4-5/8", Add	25.69	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-39.65	
26 05 36 00-0798	EA	12" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	553.43	156.46
		For 6" Overall Height Instead Of 4-5/8", Add	27.67	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-42.30	
26 05 36 00-0799	EA	18" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	641.35	194.36
		For 6" Overall Height Instead Of 4-5/8", Add	32.07	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-47.94	
26 05 36 00-0800	EA	24" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	723.78	225.47
		For 6" Overall Height Instead Of 4-5/8", Add	36.19	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-53.59	
26 05 36 00-0801	EA	30" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	807.07	255.87
		For 6" Overall Height Instead Of 4-5/8", Add	40.35	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-59.38	
26 05 36 00-0802	EA	36" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	922.38	296.37
		For 6" Overall Height Instead Of 4-5/8", Add	46.12	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-67.54	
26 05 36 00-0803 90 Degree, 36" Radius Horizontal Elbows (26 05 36 00-0786)				
26 05 36 00-0804	EA	6" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	507.77	127.93
		For 6" Overall Height Instead Of 4-5/8", Add	25.39	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-40.11	
26 05 36 00-0805	EA	9" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	548.95	148.13
		For 6" Overall Height Instead Of 4-5/8", Add	27.45	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-42.56	
26 05 36 00-0806	EA	12" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	612.89	165.73
		For 6" Overall Height Instead Of 4-5/8", Add	30.64	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-47.47	
26 05 36 00-0807	EA	18" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	726.32	208.57
		For 6" Overall Height Instead Of 4-5/8", Add	36.32	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-55.25	
26 05 36 00-0808	EA	24" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	836.50	244.84
		For 6" Overall Height Instead Of 4-5/8", Add	41.83	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-63.24	
26 05 36 00-0809	EA	30" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	939.95	281.69
		For 6" Overall Height Instead Of 4-5/8", Add	47.00	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-70.52	
26 05 36 00-0810	EA	36" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,090.87	330.99
		For 6" Overall Height Instead Of 4-5/8", Add	54.54	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-81.51	
26 05 36 00-0811 45 Degree, 12" Radius Horizontal Elbows (26 05 36 00-0786)				
26 05 36 00-0812	EA	6" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	241.61	85.32
		For 60 Degree Bend, Deduct	-47.03	
		For 6" Overall Height Instead Of 4-5/8", Add	12.08	
		For 30 Degree Bend, Deduct	-83.13	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-17.05	
26 05 36 00-0813	EA	9" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	273.77	102.35
		For 60 Degree Bend, Deduct	-51.13	
		For 6" Overall Height Instead Of 4-5/8", Add	13.69	
		For 30 Degree Bend, Deduct	-90.90	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-18.85	
26 05 36 00-0814	EA	12" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	302.72	117.37
		For 60 Degree Bend, Deduct	-54.91	
		For 6" Overall Height Instead Of 4-5/8", Add	15.14	
		For 30 Degree Bend, Deduct	-98.03	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-20.49	
26 05 36 00-0815	EA	18" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	373.42	148.36
		For 60 Degree Bend, Deduct	-66.37	
		For 6" Overall Height Instead Of 4-5/8", Add	18.67	
		For 30 Degree Bend, Deduct	-118.86	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-24.98	
26 05 36 00-0816	EA	24" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	459.64	181.69
		For 60 Degree Bend, Deduct	-82.03	
		For 6" Overall Height Instead Of 4-5/8", Add	22.98	
		For 30 Degree Bend, Deduct	-146.82	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-30.82	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
26 05 36 00-0817	EA 30" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	527.43		208.57	
	For 60 Degree Bend, Deduct	-94.09			
	For 6" Overall Height Instead Of 4-5/8", Add	26.37			
	For 30 Degree Bend, Deduct	-168.41			
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-35.36			
26 05 36 00-0818	EA 36" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	595.53		244.84	
	For 60 Degree Bend, Deduct	-102.66			
	For 6" Overall Height Instead Of 4-5/8", Add	29.78			
	For 30 Degree Bend, Deduct	-184.70			
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-39.15			
26 05 36 00-0819 45 Degree, 24" Radius Horizontal Elbows (26 05 36 00-0786)					
26 05 36 00-0820	EA 6" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	280.51		88.03	
	For 60 Degree Bend, Deduct	-58.84			
	For 6" Overall Height Instead Of 4-5/8", Add	14.03			
	For 30 Degree Bend, Deduct	-102.96			
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-20.72			
26 05 36 00-0821	EA 9" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	326.04		106.10	
	For 60 Degree Bend, Deduct	-66.91			
	For 6" Overall Height Instead Of 4-5/8", Add	16.30			
	For 30 Degree Bend, Deduct	-117.42			
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-23.76			
26 05 36 00-0822	EA 12" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	357.20		122.54	
	For 60 Degree Bend, Deduct	-70.91			
	For 6" Overall Height Instead Of 4-5/8", Add	17.86			
	For 30 Degree Bend, Deduct	-124.99			
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-25.51			
26 05 36 00-0823	EA 18" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	425.30		156.46	
	For 60 Degree Bend, Deduct	-80.36			
	For 6" Overall Height Instead Of 4-5/8", Add	21.27			
	For 30 Degree Bend, Deduct	-142.62			
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-29.49			
26 05 36 00-0824	EA 24" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	515.12		194.36	
	For 60 Degree Bend, Deduct	-95.50			
	For 6" Overall Height Instead Of 4-5/8", Add	25.76			
	For 30 Degree Bend, Deduct	-169.96			
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-35.32			
26 05 36 00-0825	EA 30" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	605.20		225.47	
	For 60 Degree Bend, Deduct	-113.30			
	For 6" Overall Height Instead Of 4-5/8", Add	30.26			
	For 30 Degree Bend, Deduct	-201.36			
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-41.73			
26 05 36 00-0826	EA 36" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	688.27		268.43	
	For 60 Degree Bend, Deduct	-124.25			
	For 6" Overall Height Instead Of 4-5/8", Add	34.41			
	For 30 Degree Bend, Deduct	-221.99			
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-46.46			
26 05 36 00-0827 45 Degree, 36" Radius Horizontal Elbows (26 05 36 00-0786)					
26 05 36 00-0828	EA 6" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	331.11		90.85	
	For 60 Degree Bend, Deduct	-74.46			
	For 6" Overall Height Instead Of 4-5/8", Add	16.56			
	For 30 Degree Bend, Deduct	-129.14			
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-25.54			
26 05 36 00-0829	EA 9" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	367.45		110.33	
	For 60 Degree Bend, Deduct	-78.97			
	For 6" Overall Height Instead Of 4-5/8", Add	18.37			
	For 30 Degree Bend, Deduct	-137.75			
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-27.55			
26 05 36 00-0830	EA 12" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	400.83		128.05	
	For 60 Degree Bend, Deduct	-83.19			
	For 6" Overall Height Instead Of 4-5/8", Add	20.04			
	For 30 Degree Bend, Deduct	-145.76			
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-29.41			
26 05 36 00-0831	EA 18" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	482.84		165.73	
	For 60 Degree Bend, Deduct	-95.79			
	For 6" Overall Height Instead Of 4-5/8", Add	24.14			
	For 30 Degree Bend, Deduct	-168.86			
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-34.47			
26 05 36 00-0832	EA 24" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	600.10		208.57	
	For 60 Degree Bend, Deduct	-118.07			
	For 6" Overall Height Instead Of 4-5/8", Add	30.01			
	For 30 Degree Bend, Deduct	-208.37			
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-42.63			
26 05 36 00-0833	EA 30" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	675.85		244.84	
	For 60 Degree Bend, Deduct	-129.17			
	For 6" Overall Height Instead Of 4-5/8", Add	33.79			
	For 30 Degree Bend, Deduct	-228.88			
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-47.18			
26 05 36 00-0834	EA 36" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	788.51		296.37	
	For 60 Degree Bend, Deduct	-146.59			
	For 6" Overall Height Instead Of 4-5/8", Add	39.43			
	For 30 Degree Bend, Deduct	-260.78			
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-54.15			
26 05 36 00-0835 90 Degree, 12" Radius Vertical Risers (26 05 36 00-0786)					

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0836	EA	6" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	383.45	117.37
		For 6" Overall Height Instead Of 4-5/8", Add	19.17	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-28.56	
26 05 36 00-0837	EA	9" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	421.56	134.04
		For 6" Overall Height Instead Of 4-5/8", Add	21.08	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-30.98	
26 05 36 00-0838	EA	12" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	448.48	148.24
		For 6" Overall Height Instead Of 4-5/8", Add	22.42	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-32.50	
26 05 36 00-0839	EA	18" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	511.14	181.69
		For 6" Overall Height Instead Of 4-5/8", Add	25.56	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-35.97	
26 05 36 00-0840	EA	24" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	566.23	208.57
		For 6" Overall Height Instead Of 4-5/8", Add	28.31	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-39.24	
26 05 36 00-0841	EA	30" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	620.05	234.75
		For 6" Overall Height Instead Of 4-5/8", Add	31.00	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-42.44	
26 05 36 00-0842	EA	36" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	682.26	267.96
		For 6" Overall Height Instead Of 4-5/8", Add	34.11	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-45.90	
26 05 36 00-0843 90 Degree, 24" Radius Vertical Risers (26 05 36 00-0786)				
26 05 36 00-0844	EA	6" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	407.26	122.42
		For 6" Overall Height Instead Of 4-5/8", Add	20.36	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-30.52	
26 05 36 00-0845	EA	9" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	446.49	140.85
		For 6" Overall Height Instead Of 4-5/8", Add	22.32	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-32.91	
26 05 36 00-0846	EA	12" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	477.69	156.46
		For 6" Overall Height Instead Of 4-5/8", Add	23.88	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-34.73	
26 05 36 00-0847	EA	18" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	552.69	194.36
		For 6" Overall Height Instead Of 4-5/8", Add	27.63	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-39.08	
26 05 36 00-0848	EA	24" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	618.18	225.47
		For 6" Overall Height Instead Of 4-5/8", Add	30.91	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-43.03	
26 05 36 00-0849	EA	30" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	682.62	255.87
		For 6" Overall Height Instead Of 4-5/8", Add	34.13	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-46.94	
26 05 36 00-0850	EA	36" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	767.20	296.37
		For 6" Overall Height Instead Of 4-5/8", Add	38.36	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-52.02	
26 05 36 00-0851 90 Degree, 36" Radius Vertical Risers (26 05 36 00-0786)				
26 05 36 00-0852	EA	6" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	527.44	127.93
		For 6" Overall Height Instead Of 4-5/8", Add	26.37	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-42.08	
26 05 36 00-0853	EA	9" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	568.01	148.24
		For 6" Overall Height Instead Of 4-5/8", Add	28.40	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-44.45	
26 05 36 00-0854	EA	12" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	617.81	165.73
		For 6" Overall Height Instead Of 4-5/8", Add	30.89	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-47.97	
26 05 36 00-0855	EA	18" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	702.83	208.57
		For 6" Overall Height Instead Of 4-5/8", Add	35.14	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-52.90	
26 05 36 00-0856	EA	24" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	776.94	244.84
		For 6" Overall Height Instead Of 4-5/8", Add	38.85	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-57.29	
26 05 36 00-0857	EA	30" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	865.64	281.69
		For 6" Overall Height Instead Of 4-5/8", Add	43.28	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-63.09	
26 05 36 00-0858	EA	36" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	964.79	330.99
		For 6" Overall Height Instead Of 4-5/8", Add	48.24	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-68.90	
26 05 36 00-0859 12" Radius Horizontal Tees (26 05 36 00-0786)				
26 05 36 00-0860	EA	6" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	592.36	225.47
		For 6" Overall Height Instead Of 4-5/8", Add	29.62	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-40.45	
26 05 36 00-0861	EA	9" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	638.97	244.84
		For 6" Overall Height Instead Of 4-5/8", Add	31.95	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-43.49	
26 05 36 00-0862	EA	12" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	660.90	255.87
		For 6" Overall Height Instead Of 4-5/8", Add	33.05	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-44.77	
26 05 36 00-0863	EA	18" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	750.07	281.69
		For 6" Overall Height Instead Of 4-5/8", Add	37.50	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-51.53	
26 05 36 00-0864	EA	24" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	830.19	312.68
		For 6" Overall Height Instead Of 4-5/8", Add	41.51	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-56.96	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**
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 UNIT COST UNIT COST

26 05 36 00-0865	EA	30" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	911.32	331.58
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	45.57	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-63.50	
26 05 36 00-0866	EA	36" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,055.40	375.36
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	52.77	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-74.26	

26 05 36 00-0867 24" Radius Horizontal Tees (26 05 36 00-0786)

26 05 36 00-0868	EA	6" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	777.49	244.84
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	38.87	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-57.34	
26 05 36 00-0869	EA	9" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	837.99	268.43
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	41.90	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-61.43	
26 05 36 00-0870	EA	12" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	870.83	281.69
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	43.54	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-63.61	
26 05 36 00-0871	EA	18" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	958.05	312.68
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	47.90	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-69.75	
26 05 36 00-0872	EA	24" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,062.79	352.11
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	53.14	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-76.94	
26 05 36 00-0873	EA	30" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,147.75	375.36
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	57.39	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-83.49	
26 05 36 00-0874	EA	36" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,521.87	433.69
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	76.09	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-116.05	

26 05 36 00-0875 36" Radius Horizontal Tees (26 05 36 00-0786)

26 05 36 00-0876	EA	6" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	969.40	268.43
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	48.47	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-74.58	
26 05 36 00-0877	EA	9" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,030.30	296.37
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	51.52	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-78.33	
26 05 36 00-0878	EA	12" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,107.22	312.68
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	55.36	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-84.66	
26 05 36 00-0879	EA	18" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,204.85	352.11
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	60.24	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-91.14	
26 05 36 00-0880	EA	24" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,351.85	402.00
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	67.59	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-101.69	
26 05 36 00-0881	EA	30" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,585.80	433.69
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	79.29	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-122.44	
26 05 36 00-0882	EA	36" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,811.96	511.74
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	90.60	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-138.55	

26 05 36 00-0883 12" Radius Vertical Tees (26 05 36 00-0786)

26 05 36 00-0884	EA	6" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	834.24	208.57
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	41.71	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-66.04	
26 05 36 00-0885	EA	9" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	862.15	216.78
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	43.11	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-68.15	
26 05 36 00-0886	EA	12" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	880.05	225.47
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	44.00	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-69.22	
26 05 36 00-0887	EA	18" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	923.11	244.84
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	46.16	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-71.91	
26 05 36 00-0888	EA	24" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	984.11	255.87
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	49.21	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-77.09	
26 05 36 00-0889	EA	30" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,037.76	281.69
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	51.89	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-80.30	
26 05 36 00-0890	EA	36" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,107.22	312.68
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	55.36	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-84.66	

26 05 36 00-0891 24" Radius Vertical Tees (26 05 36 00-0786)

26 05 36 00-0892	EA	6" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,199.70	225.47
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	59.99	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-101.18	
26 05 36 00-0893	EA	9" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,225.89	234.75
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	61.29	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-103.03	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0894	EA	12" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,253.41 62.67 -104.94	244.84
26 05 36 00-0895	EA	18" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,317.46 65.87 -109.38	268.43
26 05 36 00-0896	EA	24" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,360.96 68.05 -112.62	281.69
26 05 36 00-0897	EA	30" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,433.97 71.70 -117.34	312.68
26 05 36 00-0898	EA	36" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,581.33 79.07 -128.79	352.11
26 05 36 00-0899 36" Radius Vertical Tee (26 05 36 00-0786)				
26 05 36 00-0900	EA	6" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,975.65 98.78 -177.16	244.84
26 05 36 00-0901	EA	9" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	2,014.38 100.72 -180.11	255.87
26 05 36 00-0902	EA	12" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	2,055.54 102.78 -183.19	268.43
26 05 36 00-0903	EA	18" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	2,122.62 106.13 -187.56	296.37
26 05 36 00-0904	EA	24" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	2,170.17 108.51 -190.96	312.68
26 05 36 00-0905	EA	30" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	2,296.89 114.84 -200.35	352.11
26 05 36 00-0906	EA	36" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	2,400.31 120.02 -206.53	402.00
26 05 36 00-0907 12" Radius Horizontal Crosses (26 05 36 00-0786)				
26 05 36 00-0908	EA	6" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	771.38 38.57 -53.66	281.69
26 05 36 00-0909	EA	9" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	827.85 41.39 -58.09	296.37
26 05 36 00-0910	EA	12" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	858.60 42.93 -59.80	312.68
26 05 36 00-0911	EA	18" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	961.04 48.05 -68.47	331.58
26 05 36 00-0912	EA	24" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,048.30 52.42 -73.55	375.36
26 05 36 00-0913	EA	30" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,167.17 58.36 -83.22	402.00
26 05 36 00-0914	EA	36" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,344.29 67.21 -98.29	433.69
26 05 36 00-0915 24" Radius Horizontal Crosses (26 05 36 00-0786)				
26 05 36 00-0916	EA	6" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,100.12 55.01 -83.95	312.68
26 05 36 00-0917	EA	9" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,149.28 57.46 -87.30	331.58
26 05 36 00-0918	EA	12" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,201.30 60.07 -90.79	352.11
26 05 36 00-0919	EA	18" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,272.06 63.60 -95.92	375.36
26 05 36 00-0920	EA	24" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,425.97 71.30 -106.46	433.69
26 05 36 00-0921	EA	30" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,569.86 78.49 -117.86	469.49
26 05 36 00-0922	EA	36" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,740.65 87.03 -131.42	511.74

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**
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26 05 36 00-0923 36" Radius Horizontal Crosses (26 05 36 00-0786)			
26 05 36 00-0924	EA 6" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,268.78	352.11
	For 6" Overall Height Instead Of 4-5/8", Add	63.44	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-97.54	
26 05 36 00-0925	EA 9" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,368.45	375.36
	For 6" Overall Height Instead Of 4-5/8", Add	68.42	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-105.56	
26 05 36 00-0926	EA 12" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,457.30	402.00
	For 6" Overall Height Instead Of 4-5/8", Add	72.87	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-112.23	
26 05 36 00-0927	EA 18" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,525.42	433.69
	For 6" Overall Height Instead Of 4-5/8", Add	76.27	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-116.41	
26 05 36 00-0928	EA 24" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,847.47	511.74
	For 6" Overall Height Instead Of 4-5/8", Add	92.37	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-142.10	
26 05 36 00-0929	EA 30" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	2,038.50	562.44
	For 6" Overall Height Instead Of 4-5/8", Add	101.93	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-156.98	
26 05 36 00-0930	EA 36" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	2,269.56	626.53
	For 6" Overall Height Instead Of 4-5/8", Add	113.48	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-174.74	
26 05 36 00-0931 12" Radius Vertical Cross (26 05 36 00-0786)			
26 05 36 00-0932	EA 6" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	771.38	281.69
	For 6" Overall Height Instead Of 4-5/8", Add	38.57	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-53.66	
26 05 36 00-0933	EA 9" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	828.02	296.49
	For 6" Overall Height Instead Of 4-5/8", Add	41.40	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-58.09	
26 05 36 00-0934	EA 12" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	858.51	312.68
	For 6" Overall Height Instead Of 4-5/8", Add	42.93	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-59.80	
26 05 36 00-0935	EA 18" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	961.25	331.70
	For 6" Overall Height Instead Of 4-5/8", Add	48.06	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-68.48	
26 05 36 00-0936	EA 24" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	1,048.30	375.36
	For 6" Overall Height Instead Of 4-5/8", Add	52.42	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-73.55	
26 05 36 00-0937	EA 30" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	1,167.48	402.12
	For 6" Overall Height Instead Of 4-5/8", Add	58.37	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-83.24	
26 05 36 00-0938	EA 36" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	1,343.40	433.10
	For 6" Overall Height Instead Of 4-5/8", Add	67.17	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-98.25	
26 05 36 00-0939 24" Radius Vertical Crosses (26 05 36 00-0786)			
26 05 36 00-0940	EA 6" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,100.12	312.68
	For 6" Overall Height Instead Of 4-5/8", Add	55.01	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-83.95	
26 05 36 00-0941	EA 9" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,149.28	331.58
	For 6" Overall Height Instead Of 4-5/8", Add	57.46	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-87.30	
26 05 36 00-0942	EA 12" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,201.30	352.11
	For 6" Overall Height Instead Of 4-5/8", Add	60.07	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-90.79	
26 05 36 00-0943	EA 18" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,272.06	375.36
	For 6" Overall Height Instead Of 4-5/8", Add	63.60	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-95.92	
26 05 36 00-0944	EA 24" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,425.97	433.69
	For 6" Overall Height Instead Of 4-5/8", Add	71.30	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-106.46	
26 05 36 00-0945	EA 30" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,535.45	469.49
	For 6" Overall Height Instead Of 4-5/8", Add	76.77	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-114.42	
26 05 36 00-0946	EA 36" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,701.85	511.74
	For 6" Overall Height Instead Of 4-5/8", Add	85.09	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-127.54	
26 05 36 00-0947 36" Radius Vertical Crosses (26 05 36 00-0786)			
26 05 36 00-0948	EA 6" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,575.65	352.11
	For 6" Overall Height Instead Of 4-5/8", Add	78.78	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-128.22	
26 05 36 00-0949	EA 9" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,655.64	375.36
	For 6" Overall Height Instead Of 4-5/8", Add	82.78	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-134.28	
26 05 36 00-0950	EA 12" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,761.72	402.00
	For 6" Overall Height Instead Of 4-5/8", Add	88.09	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-142.68	
26 05 36 00-0951	EA 18" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,886.63	433.69
	For 6" Overall Height Instead Of 4-5/8", Add	94.33	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-152.53	
26 05 36 00-0952	EA 24" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	2,294.99	511.74
	For 6" Overall Height Instead Of 4-5/8", Add	114.75	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-186.85	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0953	EA	30" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	2,533.97 126.70 -206.52	562.44
26 05 36 00-0954	EA	36" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	2,820.96 141.05 -229.88	626.53
26 05 36 00-0955		6" Rung Tray Fittings (26 05 36 00-0744)		
26 05 36 00-0956		90 Degree, 12" Radius Horizontal Elbows (26 05 36 00-0955)		
26 05 36 00-0957	EA	6" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	325.65 16.28 -22.76	117.73
26 05 36 00-0958	EA	9" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	356.26 17.81 -24.45	134.04
26 05 36 00-0959	EA	12" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	404.36 20.22 -28.09	148.24
26 05 36 00-0960	EA	18" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	479.86 23.99 -32.85	181.69
26 05 36 00-0961	EA	24" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	567.32 28.37 -39.35	208.57
26 05 36 00-0962	EA	30" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	624.01 31.20 -42.84	234.75
26 05 36 00-0963	EA	36" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	729.12 36.46 -50.55	268.31
26 05 36 00-0964		90 Degree, 24" Radius Horizontal Elbows (26 05 36 00-0955)		
26 05 36 00-0965	EA	6" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	433.55 21.68 -33.15	122.42
26 05 36 00-0966	EA	9" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	473.89 23.69 -35.66	140.73
26 05 36 00-0967	EA	12" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	511.63 25.58 -38.12	156.46
26 05 36 00-0968	EA	18" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	595.99 29.80 -43.41	194.36
26 05 36 00-0969	EA	24" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	674.05 33.70 -48.62	225.47
26 05 36 00-0970	EA	30" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	752.70 37.64 -53.95	255.87
26 05 36 00-0971	EA	36" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	861.18 43.06 -61.42	296.37
26 05 36 00-0972		90 Degree, 36" Radius Horizontal Elbows (26 05 36 00-0955)		
26 05 36 00-0973	EA	6" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	465.69 23.28 -35.91	127.93
26 05 36 00-0974	EA	9" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	505.78 25.29 -38.24	148.13
26 05 36 00-0975	EA	12" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	564.81 28.24 -42.67	165.73
26 05 36 00-0976	EA	18" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	672.23 33.61 -49.84	208.57
26 05 36 00-0977	EA	24" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	775.30 38.77 -57.12	244.84
26 05 36 00-0978	EA	30" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	872.74 43.64 -63.80	281.69
26 05 36 00-0979	EA	36" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,013.83 50.69 -73.81	330.99
26 05 36 00-0980		45 Degree, 12" Radius Horizontal Elbows (26 05 36 00-0955)		
26 05 36 00-0981	EA	6" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	227.40 11.37 -15.63 -42.35 -75.31	85.32

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 05 36 00-0982	EA 9" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	259.02 12.95 -17.38 -46.26 -82.79		102.35
26 05 36 00-0983	EA 12" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	287.42 14.37 -18.96 -49.86 -89.61		117.37
26 05 36 00-0984	EA 18" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	355.39 17.77 -23.18 -60.42 -108.94		148.36
26 05 36 00-0985	EA 24" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	437.24 21.86 -28.58 -74.64 -134.50		181.69
26 05 36 00-0986	EA 30" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	501.75 25.09 -32.79 -85.62 -154.28		208.57
26 05 36 00-0987	EA 36" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	568.76 28.44 -36.47 -93.83 -169.98		244.84
26 05 36 00-0988 45 Degree, 24" Radius Horizontal Elbows (26 05 36 00-0955)				
26 05 36 00-0989	EA 6" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	261.39 13.07 -18.81 -52.53 -92.44		88.03
26 05 36 00-0990	EA 9" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	304.73 15.24 -21.63 -59.88 -105.70		106.10
26 05 36 00-0991	EA 12" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	335.34 16.77 -23.32 -63.70 -112.97		122.54
26 05 36 00-0992	EA 18" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	401.80 20.09 -27.14 -72.60 -129.70		156.46
26 05 36 00-0993	EA 24" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	487.80 24.39 -32.59 -86.48 -154.93		194.36
26 05 36 00-0994	EA 30" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	572.42 28.62 -38.46 -102.49 -183.33		225.47
26 05 36 00-0995	EA 36" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	653.84 32.69 -43.02 -112.89 -203.06		268.43
26 05 36 00-0996 45 Degree, 36" Radius Horizontal Elbows (26 05 36 00-0955)				
26 05 36 00-0997	EA 6" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	305.43 15.27 -22.98 -65.98 -115.02		90.85
26 05 36 00-0998	EA 9" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	341.22 17.06 -24.93 -70.32 -123.32		110.33
26 05 36 00-0999	EA 12" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	374.06 18.70 -26.74 -74.36 -131.04		128.05

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1000	EA	18" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	453.34	165.73
		For 6" Overall Height Instead Of 4-5/8", Add	22.67	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-31.52	
		For 60 Degree Bend, Deduct	-86.05	
		For 30 Degree Bend, Deduct	-152.63	
26 05 36 00-1001	EA	24" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	564.04	208.57
		For 6" Overall Height Instead Of 4-5/8", Add	28.20	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-39.02	
		For 60 Degree Bend, Deduct	-106.17	
		For 30 Degree Bend, Deduct	-188.54	
26 05 36 00-1002	EA	30" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	637.60	244.84
		For 6" Overall Height Instead Of 4-5/8", Add	31.88	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-43.35	
		For 60 Degree Bend, Deduct	-116.54	
		For 30 Degree Bend, Deduct	-207.84	
26 05 36 00-1003	EA	36" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	746.43	296.37
		For 6" Overall Height Instead Of 4-5/8", Add	37.32	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-49.94	
		For 60 Degree Bend, Deduct	-132.70	
		For 30 Degree Bend, Deduct	-237.64	
26 05 36 00-1004 90 Degree, 12" Radius Vertical Risers (26 05 36 00-0955)				
26 05 36 00-1005	EA	6" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	368.42	117.37
		For 6" Overall Height Instead Of 4-5/8", Add	18.42	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-27.06	
26 05 36 00-1006	EA	9" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	405.71	134.04
		For 6" Overall Height Instead Of 4-5/8", Add	20.29	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-29.40	
26 05 36 00-1007	EA	12" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	432.36	148.24
		For 6" Overall Height Instead Of 4-5/8", Add	21.62	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-30.89	
26 05 36 00-1008	EA	18" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	494.47	181.69
		For 6" Overall Height Instead Of 4-5/8", Add	24.72	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-34.31	
26 05 36 00-1009	EA	24" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	548.74	208.57
		For 6" Overall Height Instead Of 4-5/8", Add	27.44	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-37.49	
26 05 36 00-1010	EA	30" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	601.75	234.75
		For 6" Overall Height Instead Of 4-5/8", Add	30.09	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-40.61	
26 05 36 00-1011	EA	36" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	663.41	267.96
		For 6" Overall Height Instead Of 4-5/8", Add	33.17	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-44.01	
26 05 36 00-1012 90 Degree, 24" Radius Vertical Risers (26 05 36 00-0955)				
26 05 36 00-1013	EA	6" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	391.00	122.42
		For 6" Overall Height Instead Of 4-5/8", Add	19.55	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-28.90	
26 05 36 00-1014	EA	9" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	429.55	140.85
		For 6" Overall Height Instead Of 4-5/8", Add	21.48	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-31.22	
26 05 36 00-1015	EA	12" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	460.34	156.46
		For 6" Overall Height Instead Of 4-5/8", Add	23.02	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-32.99	
26 05 36 00-1016	EA	18" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	534.39	194.36
		For 6" Overall Height Instead Of 4-5/8", Add	26.72	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-37.25	
26 05 36 00-1017	EA	24" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	598.78	225.47
		For 6" Overall Height Instead Of 4-5/8", Add	29.94	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-41.09	
26 05 36 00-1018	EA	30" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	662.13	255.87
		For 6" Overall Height Instead Of 4-5/8", Add	33.11	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-44.89	
26 05 36 00-1019	EA	36" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	745.34	296.37
		For 6" Overall Height Instead Of 4-5/8", Add	37.27	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-49.83	
26 05 36 00-1020 90 Degree, 36" Radius Vertical Risers (26 05 36 00-0955)				
26 05 36 00-1021	EA	6" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	502.30	127.93
		For 6" Overall Height Instead Of 4-5/8", Add	25.12	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-39.57	
26 05 36 00-1022	EA	9" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	542.33	148.24
		For 6" Overall Height Instead Of 4-5/8", Add	27.12	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-41.88	
26 05 36 00-1023	EA	12" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	590.49	165.73
		For 6" Overall Height Instead Of 4-5/8", Add	29.52	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-45.23	
26 05 36 00-1024	EA	18" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	674.42	208.57
		For 6" Overall Height Instead Of 4-5/8", Add	33.72	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-50.06	
26 05 36 00-1025	EA	24" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	747.43	244.84
		For 6" Overall Height Instead Of 4-5/8", Add	37.37	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-54.34	
26 05 36 00-1026	EA	30" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	833.95	281.69
		For 6" Overall Height Instead Of 4-5/8", Add	41.70	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-59.92	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
26 05 36 00-1027	EA 36" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	931.73 46.59 -65.60		330.99	
26 05 36 00-1028	12" Radius Horizontal Tees (26 05 36 00-0955)				
26 05 36 00-1029	EA 6" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	575.70 28.79 -38.78		225.47	
26 05 36 00-1030	EA 9" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	621.21 31.06 -41.72		244.84	
26 05 36 00-1031	EA 12" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	642.87 32.14 -42.96		255.87	
26 05 36 00-1032	EA 18" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	728.49 36.42 -49.37		281.69	
26 05 36 00-1033	EA 24" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	806.42 40.32 -54.58		312.68	
26 05 36 00-1034	EA 30" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	883.73 44.19 -60.74		331.58	
26 05 36 00-1035	EA 36" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,022.35 51.12 -70.95		375.36	
26 05 36 00-1036	24" Radius Horizontal Tees (26 05 36 00-0955)				
26 05 36 00-1037	EA 6" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	749.07 37.45 -54.50		244.84	
26 05 36 00-1038	EA 9" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	807.93 40.40 -58.43		268.43	
26 05 36 00-1039	EA 12" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	839.96 42.00 -60.52		281.69	
26 05 36 00-1040	EA 18" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	924.44 46.22 -66.38		312.68	
26 05 36 00-1041	EA 24" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,026.18 51.31 -73.28		352.11	
26 05 36 00-1042	EA 30" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,107.59 55.38 -79.48		375.36	
26 05 36 00-1043	EA 36" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,460.40 73.02 -109.90		433.69	
26 05 36 00-1044	36" Radius Horizontal Tees (26 05 36 00-0955)				
26 05 36 00-1045	EA 6" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	929.24 46.46 -70.56		268.43	
26 05 36 00-1046	EA 9" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	989.04 49.45 -74.20		296.37	
26 05 36 00-1047	EA 12" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,062.14 53.11 -80.15		312.68	
26 05 36 00-1048	EA 18" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,157.32 57.87 -86.39		352.11	
26 05 36 00-1049	EA 24" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,299.40 64.97 -96.44		402.00	
26 05 36 00-1050	EA 30" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,519.41 75.97 -115.80		433.69	
26 05 36 00-1051	EA 36" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,738.19 86.91 -131.17		511.74	
26 05 36 00-1052	12" Radius Vertical Tees (26 05 36 00-0955)				
26 05 36 00-1053	EA 6" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	796.81 39.84 -62.30		208.57	
26 05 36 00-1054	EA 9" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	823.63 41.18 -64.30		216.78	
26 05 36 00-1055	EA 12" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	841.25 42.06 -65.34		225.47	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1056	EA	18" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	883.49 44.17 -67.94	244.84
26 05 36 00-1057	EA	24" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	941.21 47.06 -72.80	255.87
26 05 36 00-1058	EA	30" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	994.05 49.70 -75.93	281.69
26 05 36 00-1059	EA	36" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,062.14 53.11 -80.15	312.68
26 05 36 00-1060 24" Radius Vertical Tees (26 05 36 00-0955)				
26 05 36 00-1061	EA	6" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,136.32 56.82 -94.85	225.47
26 05 36 00-1062	EA	9" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,161.68 58.08 -96.61	234.75
26 05 36 00-1063	EA	12" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,188.39 59.42 -98.43	244.84
26 05 36 00-1064	EA	18" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,250.53 62.53 -102.69	268.43
26 05 36 00-1065	EA	24" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,292.39 64.62 -105.76	281.69
26 05 36 00-1066	EA	30" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,363.76 68.19 -110.32	312.68
26 05 36 00-1067	EA	36" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,504.84 75.24 -121.14	352.11
26 05 36 00-1068 36" Radius Vertical Tees (26 05 36 00-0955)				
26 05 36 00-1069	EA	6" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,855.07 92.75 -165.10	244.84
26 05 36 00-1070	EA	9" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,892.23 94.61 -167.90	255.87
26 05 36 00-1071	EA	12" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,931.83 96.59 -170.82	268.43
26 05 36 00-1072	EA	18" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,997.34 99.87 -175.03	296.37
26 05 36 00-1073	EA	24" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	2,043.32 102.17 -178.27	312.68
26 05 36 00-1074	EA	30" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	2,165.35 108.27 -187.19	352.11
26 05 36 00-1075	EA	36" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	2,267.21 113.36 -193.22	402.00
26 05 36 00-1076 12" Radius Horizontal Crosses (26 05 36 00-0955)				
26 05 36 00-1077	EA	6" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	748.16 37.41 -51.34	281.69
26 05 36 00-1078	EA	9" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	802.17 40.11 -55.52	296.37
26 05 36 00-1079	EA	12" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	832.65 41.63 -57.21	312.68
26 05 36 00-1080	EA	18" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	929.63 46.48 -65.33	331.58
26 05 36 00-1081	EA	24" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,015.79 50.79 -70.30	375.36
26 05 36 00-1082	EA	30" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,128.92 56.45 -79.40	402.00
26 05 36 00-1083	EA	36" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,296.47 64.82 -93.51	433.69
26 05 36 00-1084 24" Radius Horizontal Crosses (26 05 36 00-0955)				

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
26 05 36 00-1085	EA 6" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,055.58	312.68		
		52.78			
		-79.50			
26 05 36 00-1086	EA 9" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,103.39	331.58		
		55.17			
		-82.71			
26 05 36 00-1087	EA 12" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,154.04	352.11		
		57.70			
		-86.06			
26 05 36 00-1088	EA 18" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,222.33	375.36		
		61.12			
		-90.95			
26 05 36 00-1089	EA 24" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,371.88	433.69		
		68.59			
		-101.05			
26 05 36 00-1090	EA 30" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,477.53	469.49		
		73.88			
		-108.63			
26 05 36 00-1091	EA 36" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,636.56	511.74		
		81.83			
		-121.01			
26 05 36 00-1092 36" Radius Horizontal Crosses (26 05 36 00-0955)					
26 05 36 00-1093	EA 6" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,216.33	352.11		
		60.82			
		-92.29			
26 05 36 00-1094	EA 9" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,281.35	375.36		
		64.07			
		-96.85			
26 05 36 00-1095	EA 12" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,364.97	402.00		
		68.25			
		-103.00			
26 05 36 00-1096	EA 18" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,463.68	433.69		
		73.18			
		-110.23			
26 05 36 00-1097	EA 24" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,770.98	511.74		
		88.55			
		-134.45			
26 05 36 00-1098	EA 30" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,953.81	562.44		
		97.69			
		-148.51			
26 05 36 00-1099	EA 36" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	2,175.31	626.53		
		108.77			
		-165.32			
26 05 36 00-1100 12" Radius Vertical Crosses (26 05 36 00-0955)					
26 05 36 00-1101	EA 6" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	748.16	281.69		
		37.41			
		-51.34			
26 05 36 00-1102	EA 9" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	802.34	296.49		
		40.12			
		-55.53			
26 05 36 00-1103	EA 12" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	832.56	312.68		
		41.63			
		-57.20			
26 05 36 00-1104	EA 18" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	929.84	331.70		
		46.49			
		-65.34			
26 05 36 00-1105	EA 24" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,015.79	375.36		
		50.79			
		-70.30			
26 05 36 00-1106	EA 30" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,129.23	402.12		
		56.46			
		-79.41			
26 05 36 00-1107	EA 36" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,295.58	433.10		
		64.78			
		-93.47			
26 05 36 00-1108 24" Radius Vertical Crosses (26 05 36 00-0955)					
26 05 36 00-1109	EA 6" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,055.58	312.68		
		52.78			
		-79.50			
26 05 36 00-1110	EA 9" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,103.39	331.58		
		55.17			
		-82.71			
26 05 36 00-1111	EA 12" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,154.04	352.11		
		57.70			
		-86.06			
26 05 36 00-1112	EA 18" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,222.33	375.36		
		61.12			
		-90.95			
26 05 36 00-1113	EA 24" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,371.88	433.69		
		68.59			
		-101.05			

MINOR		DESCRIPTION	TOTAL DIRECT		DEMOLITION
CSI	UOM		UNIT COST	UNIT COST	
26 05 36 00-1114	EA	30" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,477.53 73.88 -108.63		469.49
26 05 36 00-1115	EA	36" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,636.56 81.83 -121.01		511.74
26 05 36 00-1116 36" Radius Vertical Crosses (26 05 36 00-0955)					
26 05 36 00-1117	EA	6" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,499.59 74.98 -120.62		352.11
26 05 36 00-1118	EA	9" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,576.41 78.82 -126.36		375.36
26 05 36 00-1119	EA	12" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,677.74 83.89 -134.28		402.00
26 05 36 00-1120	EA	18" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,797.10 89.86 -143.57		433.69
26 05 36 00-1121	EA	24" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	2,184.06 109.20 -175.76		511.74
26 05 36 00-1122	EA	30" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	2,411.16 120.56 -194.24		562.44
26 05 36 00-1123	EA	36" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	2,684.29 134.21 -216.22		626.53
26 05 36 00-1124 9" Rung Tray Fittings (26 05 36 00-0744)					
26 05 36 00-1125 90 Degree, 12" Radius Horizontal Elbows (26 05 36 00-1124)					
26 05 36 00-1126	EA	6" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	304.07 15.20 -20.60		117.73
26 05 36 00-1127	EA	9" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	334.13 16.71 -22.24		134.04
26 05 36 00-1128	EA	12" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	378.13 18.91 -25.46		148.24
26 05 36 00-1129	EA	18" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	450.35 22.52 -29.89		181.69
26 05 36 00-1130	EA	24" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	530.71 26.54 -35.69		208.57
26 05 36 00-1131	EA	30" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	585.22 29.26 -38.96		234.75
26 05 36 00-1132	EA	36" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	682.13 34.11 -45.85		268.31
26 05 36 00-1133 90 Degree, 24" Radius Horizontal Elbows (26 05 36 00-1124)					
26 05 36 00-1134	EA	6" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	395.30 19.77 -29.33		122.42
26 05 36 00-1135	EA	9" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	434.00 21.70 -31.67		140.73
26 05 36 00-1136	EA	12" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	469.83 23.49 -33.94		156.46
26 05 36 00-1137	EA	18" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	550.64 27.53 -38.87		194.36
26 05 36 00-1138	EA	24" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	624.33 31.22 -43.65		225.47
26 05 36 00-1139	EA	30" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	698.33 34.92 -48.51		255.87
26 05 36 00-1140	EA	36" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	799.98 40.00 -55.30		296.37
26 05 36 00-1141 90 Degree, 36" Radius Horizontal Elbows (26 05 36 00-1124)					
26 05 36 00-1142	EA	6" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	423.62 21.18 -31.70		127.93
26 05 36 00-1143	EA	9" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	462.61 23.13 -33.92		148.13

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
26 05 36 00-1144	EA 12" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	516.72		165.73	
	For 6" Overall Height Instead Of 4-5/8", Add	25.84			
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-37.86			
26 05 36 00-1145	EA 18" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	618.13		208.57	
	For 6" Overall Height Instead Of 4-5/8", Add	30.91			
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-44.43			
26 05 36 00-1146	EA 24" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	714.10		244.84	
	For 6" Overall Height Instead Of 4-5/8", Add	35.71			
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-51.00			
26 05 36 00-1147	EA 30" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	805.53		281.69	
	For 6" Overall Height Instead Of 4-5/8", Add	40.28			
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-57.08			
26 05 36 00-1148	EA 36" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	936.78		330.99	
	For 6" Overall Height Instead Of 4-5/8", Add	46.84			
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-66.10			
26 05 36 00-1149 45 Degree, 12" Radius Horizontal Elbows (26 05 36 00-1124)					
26 05 36 00-1150	EA 6" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	213.19		85.32	
	For 6" Overall Height Instead Of 4-5/8", Add	10.66			
	For 30 Degree Bend, Deduct	-67.50			
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-14.21			
	For 60 Degree Bend, Deduct	-37.66			
26 05 36 00-1151	EA 9" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	244.27		102.35	
	For 6" Overall Height Instead Of 4-5/8", Add	12.21			
	For 30 Degree Bend, Deduct	-74.67			
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-15.90			
	For 60 Degree Bend, Deduct	-41.39			
26 05 36 00-1152	EA 12" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	272.12		117.37	
	For 6" Overall Height Instead Of 4-5/8", Add	13.61			
	For 30 Degree Bend, Deduct	-81.20			
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-17.43			
	For 60 Degree Bend, Deduct	-44.81			
26 05 36 00-1153	EA 18" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	337.36		148.36	
	For 6" Overall Height Instead Of 4-5/8", Add	16.87			
	For 30 Degree Bend, Deduct	-99.03			
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-21.38			
	For 60 Degree Bend, Deduct	-54.47			
26 05 36 00-1154	EA 24" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	414.83		181.69	
	For 6" Overall Height Instead Of 4-5/8", Add	20.74			
	For 30 Degree Bend, Deduct	-122.17			
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-26.34			
	For 60 Degree Bend, Deduct	-67.25			
26 05 36 00-1155	EA 30" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	476.07		208.57	
	For 6" Overall Height Instead Of 4-5/8", Add	23.80			
	For 30 Degree Bend, Deduct	-140.16			
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-30.22			
	For 60 Degree Bend, Deduct	-77.14			
26 05 36 00-1156	EA 36" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	541.98		244.84	
	For 6" Overall Height Instead Of 4-5/8", Add	27.10			
	For 30 Degree Bend, Deduct	-155.25			
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-33.79			
	For 60 Degree Bend, Deduct	-84.99			
26 05 36 00-1157 45 Degree, 24" Radius Horizontal Elbows (26 05 36 00-1124)					
26 05 36 00-1158	EA 6" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	242.26		88.03	
	For 6" Overall Height Instead Of 4-5/8", Add	12.11			
	For 30 Degree Bend, Deduct	-81.92			
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-16.89			
	For 60 Degree Bend, Deduct	-46.22			
26 05 36 00-1159	EA 9" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	283.42		106.10	
	For 6" Overall Height Instead Of 4-5/8", Add	14.17			
	For 30 Degree Bend, Deduct	-93.98			
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-19.50			
	For 60 Degree Bend, Deduct	-52.85			
26 05 36 00-1160	EA 12" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	313.48		122.54	
	For 6" Overall Height Instead Of 4-5/8", Add	15.67			
	For 30 Degree Bend, Deduct	-100.94			
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-21.14			
	For 60 Degree Bend, Deduct	-56.48			
26 05 36 00-1161	EA 18" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	378.31		156.46	
	For 6" Overall Height Instead Of 4-5/8", Add	18.92			
	For 30 Degree Bend, Deduct	-116.78			
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-24.79			
	For 60 Degree Bend, Deduct	-64.85			
26 05 36 00-1162	EA 24" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	460.48		194.36	
	For 6" Overall Height Instead Of 4-5/8", Add	23.02			
	For 30 Degree Bend, Deduct	-139.91			
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-29.85			
	For 60 Degree Bend, Deduct	-77.47			
26 05 36 00-1163	EA 30" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	539.63		225.47	
	For 6" Overall Height Instead Of 4-5/8", Add	26.98			
	For 30 Degree Bend, Deduct	-165.30			
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-35.18			
	For 60 Degree Bend, Deduct	-91.66			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1164	EA		36" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	619.42	268.43
			For 6" Overall Height Instead Of 4-5/8", Add	30.97	
			For 30 Degree Bend, Deduct	-184.13	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-39.58	
			For 60 Degree Bend, Deduct	-101.53	
26 05 36 00-1165			45 Degree, 36" Radius Horizontal Elbows (26 05 36 00-1124)		
26 05 36 00-1166	EA		6" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	279.75	90.85
			For 6" Overall Height Instead Of 4-5/8", Add	13.99	
			For 30 Degree Bend, Deduct	-100.89	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-20.41	
			For 60 Degree Bend, Deduct	-57.51	
26 05 36 00-1167	EA		9" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	314.99	110.33
			For 6" Overall Height Instead Of 4-5/8", Add	15.75	
			For 30 Degree Bend, Deduct	-108.90	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-22.31	
			For 60 Degree Bend, Deduct	-61.66	
26 05 36 00-1168	EA		12" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	347.28	128.05
			For 6" Overall Height Instead Of 4-5/8", Add	17.36	
			For 30 Degree Bend, Deduct	-116.31	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-24.06	
			For 60 Degree Bend, Deduct	-65.52	
26 05 36 00-1169	EA		18" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	423.83	165.73
			For 6" Overall Height Instead Of 4-5/8", Add	21.19	
			For 30 Degree Bend, Deduct	-136.40	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-28.57	
			For 60 Degree Bend, Deduct	-76.31	
26 05 36 00-1170	EA		24" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	527.98	208.57
			For 6" Overall Height Instead Of 4-5/8", Add	26.40	
			For 30 Degree Bend, Deduct	-168.71	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-35.42	
			For 60 Degree Bend, Deduct	-94.27	
26 05 36 00-1171	EA		30" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	599.35	244.84
			For 6" Overall Height Instead Of 4-5/8", Add	29.97	
			For 30 Degree Bend, Deduct	-186.80	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-39.53	
			For 60 Degree Bend, Deduct	-103.92	
26 05 36 00-1172	EA		36" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	704.36	296.37
			For 6" Overall Height Instead Of 4-5/8", Add	35.22	
			For 30 Degree Bend, Deduct	-214.50	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-45.74	
			For 60 Degree Bend, Deduct	-118.82	
26 05 36 00-1173			90 Degree, 12" Radius Vertical Risers (26 05 36 00-1124)		
26 05 36 00-1174	EA		6" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	345.88	117.37
			For 6" Overall Height Instead Of 4-5/8", Add	17.29	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-24.81	
26 05 36 00-1175	EA		9" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	381.94	134.04
			For 6" Overall Height Instead Of 4-5/8", Add	19.10	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-27.02	
26 05 36 00-1176	EA		12" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	408.18	148.24
			For 6" Overall Height Instead Of 4-5/8", Add	20.41	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-28.47	
26 05 36 00-1177	EA		18" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	469.48	181.69
			For 6" Overall Height Instead Of 4-5/8", Add	23.47	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-31.81	
26 05 36 00-1178	EA		24" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	522.51	208.57
			For 6" Overall Height Instead Of 4-5/8", Add	26.13	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-34.87	
26 05 36 00-1179	EA		30" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	574.29	234.75
			For 6" Overall Height Instead Of 4-5/8", Add	28.71	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-37.87	
26 05 36 00-1180	EA		36" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	635.13	267.96
			For 6" Overall Height Instead Of 4-5/8", Add	31.76	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-41.18	
26 05 36 00-1181			90 Degree, 24" Radius Vertical Risers (26 05 36 00-1124)		
26 05 36 00-1182	EA		6" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	366.62	122.42
			For 6" Overall Height Instead Of 4-5/8", Add	18.33	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-26.46	
26 05 36 00-1183	EA		9" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	404.14	140.85
			For 6" Overall Height Instead Of 4-5/8", Add	20.21	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-28.68	
26 05 36 00-1184	EA		12" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	434.32	156.46
			For 6" Overall Height Instead Of 4-5/8", Add	21.72	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-30.39	
26 05 36 00-1185	EA		18" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	506.93	194.36
			For 6" Overall Height Instead Of 4-5/8", Add	25.35	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-34.50	
26 05 36 00-1186	EA		24" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	569.69	225.47
			For 6" Overall Height Instead Of 4-5/8", Add	28.48	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-38.18	
26 05 36 00-1187	EA		30" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	631.40	255.87
			For 6" Overall Height Instead Of 4-5/8", Add	31.57	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-41.82	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
26 05 36 00-1188	EA 36" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	712.56 35.63 -46.56		296.37	
26 05 36 00-1189	90 Degree, 36" Radius Vertical Risers (26 05 36 00-1124)				
26 05 36 00-1190	EA 6" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	464.60 23.23 -35.80		127.93	
26 05 36 00-1191	EA 9" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	503.80 25.19 -38.03		148.24	
26 05 36 00-1192	EA 12" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	549.51 27.48 -41.14		165.73	
26 05 36 00-1193	EA 18" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	631.80 31.59 -45.80		208.57	
26 05 36 00-1194	EA 24" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	703.17 35.16 -49.91		244.84	
26 05 36 00-1195	EA 30" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	786.41 39.32 -55.17		281.69	
26 05 36 00-1196	EA 36" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	882.14 44.11 -60.64		330.99	
26 05 36 00-1197	12" Radius Horizontal Tees (26 05 36 00-1124)				
26 05 36 00-1198	EA 6" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	542.37 27.12 -35.45		225.47	
26 05 36 00-1199	EA 9" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	585.69 29.28 -38.16		244.84	
26 05 36 00-1200	EA 12" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	606.81 30.34 -39.36		255.87	
26 05 36 00-1201	EA 18" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	685.32 34.27 -45.06		281.69	
26 05 36 00-1202	EA 24" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	758.88 37.94 -49.83		312.68	
26 05 36 00-1203	EA 30" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	828.54 41.43 -55.22		331.58	
26 05 36 00-1204	EA 36" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	956.23 47.81 -64.34		375.36	
26 05 36 00-1205	24" Radius Horizontal Tees (26 05 36 00-1124)				
26 05 36 00-1206	EA 6" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	692.25 34.61 -48.82		244.84	
26 05 36 00-1207	EA 9" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	747.83 37.39 -52.42		268.43	
26 05 36 00-1208	EA 12" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	778.21 38.91 -54.35		281.69	
26 05 36 00-1209	EA 18" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	857.23 42.86 -59.66		312.68	
26 05 36 00-1210	EA 24" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	952.96 47.65 -65.95		352.11	
26 05 36 00-1211	EA 30" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	1,027.26 51.36 -71.44		375.36	
26 05 36 00-1212	EA 36" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	1,337.46 66.87 -97.61		433.69	
26 05 36 00-1213	36" Radius Horizontal Tees (26 05 36 00-1124)				
26 05 36 00-1214	EA 6" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	848.91 42.45 -62.53		268.43	
26 05 36 00-1215	EA 9" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	906.53 45.33 -65.95		296.37	
26 05 36 00-1216	EA 12" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	971.98 48.60 -71.14		312.68	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1217	EA		18" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,062.24	352.11
			For 6" Overall Height Instead Of 4-5/8", Add	53.11	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-76.88	
26 05 36 00-1218	EA		24" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,194.49	402.00
			For 6" Overall Height Instead Of 4-5/8", Add	59.72	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-85.95	
26 05 36 00-1219	EA		30" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,386.63	433.69
			For 6" Overall Height Instead Of 4-5/8", Add	69.33	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-102.53	
26 05 36 00-1220	EA		36" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,590.66	511.74
			For 6" Overall Height Instead Of 4-5/8", Add	79.53	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-116.42	
26 05 36 00-1221 12" Radius Vertical Tees (26 05 36 00-1124)					
26 05 36 00-1222	EA		6" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	721.95	208.57
			For 6" Overall Height Instead Of 4-5/8", Add	36.10	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-54.81	
26 05 36 00-1223	EA		9" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	746.58	216.78
			For 6" Overall Height Instead Of 4-5/8", Add	37.33	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-56.59	
26 05 36 00-1224	EA		12" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	763.66	225.47
			For 6" Overall Height Instead Of 4-5/8", Add	38.18	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-57.58	
26 05 36 00-1225	EA		18" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	804.26	244.84
			For 6" Overall Height Instead Of 4-5/8", Add	40.21	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-60.02	
26 05 36 00-1226	EA		24" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	855.43	255.87
			For 6" Overall Height Instead Of 4-5/8", Add	42.77	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-64.22	
26 05 36 00-1227	EA		30" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	906.62	281.69
			For 6" Overall Height Instead Of 4-5/8", Add	45.33	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-67.19	
26 05 36 00-1228	EA		36" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	971.98	312.68
			For 6" Overall Height Instead Of 4-5/8", Add	48.60	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-71.14	
26 05 36 00-1229 24" Radius Vertical Tees (26 05 36 00-1124)					
26 05 36 00-1230	EA		6" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,009.55	225.47
			For 6" Overall Height Instead Of 4-5/8", Add	50.48	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-82.17	
26 05 36 00-1231	EA		9" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,033.28	234.75
			For 6" Overall Height Instead Of 4-5/8", Add	51.66	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-83.77	
26 05 36 00-1232	EA		12" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,058.34	244.84
			For 6" Overall Height Instead Of 4-5/8", Add	52.92	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-85.43	
26 05 36 00-1233	EA		18" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,116.66	268.43
			For 6" Overall Height Instead Of 4-5/8", Add	55.83	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-89.30	
26 05 36 00-1234	EA		24" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,155.24	281.69
			For 6" Overall Height Instead Of 4-5/8", Add	57.76	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-92.05	
26 05 36 00-1235	EA		30" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,223.33	312.68
			For 6" Overall Height Instead Of 4-5/8", Add	61.17	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-96.27	
26 05 36 00-1236	EA		36" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,351.84	352.11
			For 6" Overall Height Instead Of 4-5/8", Add	67.59	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-105.84	
26 05 36 00-1237 36" Radius Vertical Tees (26 05 36 00-1124)					
26 05 36 00-1238	EA		6" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,613.91	244.84
			For 6" Overall Height Instead Of 4-5/8", Add	80.70	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-140.99	
26 05 36 00-1239	EA		9" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,647.94	255.87
			For 6" Overall Height Instead Of 4-5/8", Add	82.40	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-143.47	
26 05 36 00-1240	EA		12" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,684.41	268.43
			For 6" Overall Height Instead Of 4-5/8", Add	84.22	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-146.08	
26 05 36 00-1241	EA		18" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,746.78	296.37
			For 6" Overall Height Instead Of 4-5/8", Add	87.34	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-149.98	
26 05 36 00-1242	EA		24" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,789.64	312.68
			For 6" Overall Height Instead Of 4-5/8", Add	89.48	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-152.90	
26 05 36 00-1243	EA		30" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,902.27	352.11
			For 6" Overall Height Instead Of 4-5/8", Add	95.11	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-160.88	
26 05 36 00-1244	EA		36" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,000.99	402.00
			For 6" Overall Height Instead Of 4-5/8", Add	100.05	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-166.60	
26 05 36 00-1245 12" Radius Horizontal Crosses (26 05 36 00-1124)					

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 36 00-1246	EA	6" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	701.72	281.69
		For 6" Overall Height Instead Of 4-5/8", Add	35.09	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-46.70	
26 05 36 00-1247	EA	9" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	750.80	296.37
		For 6" Overall Height Instead Of 4-5/8", Add	37.54	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-50.38	
26 05 36 00-1248	EA	12" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	780.74	312.68
		For 6" Overall Height Instead Of 4-5/8", Add	39.04	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-52.01	
26 05 36 00-1249	EA	18" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	866.79	331.58
		For 6" Overall Height Instead Of 4-5/8", Add	43.34	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-59.05	
26 05 36 00-1250	EA	24" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	950.77	375.36
		For 6" Overall Height Instead Of 4-5/8", Add	47.54	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-63.79	
26 05 36 00-1251	EA	30" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	1,052.42	402.00
		For 6" Overall Height Instead Of 4-5/8", Add	52.62	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-71.75	
26 05 36 00-1252	EA	36" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	1,200.85	433.69
		For 6" Overall Height Instead Of 4-5/8", Add	60.04	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-83.95	

26 05 36 00-1253 24" Radius Horizontal Crosses (26 05 36 00-1124)

26 05 36 00-1254	EA	6" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	966.52	312.68
		For 6" Overall Height Instead Of 4-5/8", Add	48.33	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-70.59	
26 05 36 00-1255	EA	9" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,011.59	331.58
		For 6" Overall Height Instead Of 4-5/8", Add	50.58	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-73.53	
26 05 36 00-1256	EA	12" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,059.51	352.11
		For 6" Overall Height Instead Of 4-5/8", Add	52.98	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-76.61	
26 05 36 00-1257	EA	18" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,122.89	375.36
		For 6" Overall Height Instead Of 4-5/8", Add	56.14	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-81.01	
26 05 36 00-1258	EA	24" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,263.69	433.69
		For 6" Overall Height Instead Of 4-5/8", Add	63.18	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-90.23	
26 05 36 00-1259	EA	30" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,361.69	469.49
		For 6" Overall Height Instead Of 4-5/8", Add	68.08	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-97.04	
26 05 36 00-1260	EA	36" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,505.96	511.74
		For 6" Overall Height Instead Of 4-5/8", Add	75.30	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-107.95	

26 05 36 00-1261 36" Radius Horizontal Crosses (26 05 36 00-1124)

26 05 36 00-1262	EA	6" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,111.42	352.11
		For 6" Overall Height Instead Of 4-5/8", Add	55.57	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-81.80	
26 05 36 00-1263	EA	9" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,172.06	375.36
		For 6" Overall Height Instead Of 4-5/8", Add	58.60	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-85.92	
26 05 36 00-1264	EA	12" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,249.13	402.00
		For 6" Overall Height Instead Of 4-5/8", Add	62.46	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-91.42	
26 05 36 00-1265	EA	18" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,340.19	433.69
		For 6" Overall Height Instead Of 4-5/8", Add	67.01	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-97.88	
26 05 36 00-1266	EA	24" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,617.98	511.74
		For 6" Overall Height Instead Of 4-5/8", Add	80.90	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-119.15	
26 05 36 00-1267	EA	30" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,784.42	562.44
		For 6" Overall Height Instead Of 4-5/8", Add	89.22	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-131.57	
26 05 36 00-1268	EA	36" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,986.79	626.53
		For 6" Overall Height Instead Of 4-5/8", Add	99.34	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-146.47	

26 05 36 00-1269 12" Radius Vertical Crosses (26 05 36 00-1124)

26 05 36 00-1270	EA	6" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	701.72	281.69
		For 6" Overall Height Instead Of 4-5/8", Add	35.09	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-46.70	
26 05 36 00-1271	EA	9" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	750.80	296.37
		For 6" Overall Height Instead Of 4-5/8", Add	37.54	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-50.38	
26 05 36 00-1272	EA	12" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	780.74	312.68
		For 6" Overall Height Instead Of 4-5/8", Add	39.04	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-52.01	
26 05 36 00-1273	EA	18" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	866.79	331.58
		For 6" Overall Height Instead Of 4-5/8", Add	43.34	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-59.05	
26 05 36 00-1274	EA	24" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	950.77	375.36
		For 6" Overall Height Instead Of 4-5/8", Add	47.54	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-63.79	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1275	EA	30" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,052.42 52.62 -71.75	402.00
26 05 36 00-1276	EA	36" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,199.07 59.95 -83.86	432.52
26 05 36 00-1277 24" Radius Vertical Crosses (26 05 36 00-1124)				
26 05 36 00-1278	EA	6" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	966.52 48.33 -70.59	312.68
26 05 36 00-1279	EA	9" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,011.59 50.58 -73.53	331.58
26 05 36 00-1280	EA	12" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,059.51 52.98 -76.61	352.11
26 05 36 00-1281	EA	18" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,122.89 56.14 -81.01	375.36
26 05 36 00-1282	EA	24" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,263.69 63.18 -90.23	433.69
26 05 36 00-1283	EA	30" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,361.69 68.08 -97.04	469.49
26 05 36 00-1284	EA	36" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,505.96 75.30 -107.95	511.74
26 05 36 00-1285 36" Radius Vertical Crosses (26 05 36 00-1124)				
26 05 36 00-1286	EA	6" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,347.47 67.37 -105.40	352.11
26 05 36 00-1287	EA	9" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,417.95 70.90 -110.51	375.36
26 05 36 00-1288	EA	12" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,509.77 75.49 -117.48	402.00
26 05 36 00-1289	EA	18" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,618.04 80.90 -125.67	433.69
26 05 36 00-1290	EA	24" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,962.22 98.11 -153.57	511.74
26 05 36 00-1291	EA	30" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	2,165.55 108.28 -169.68	562.44
26 05 36 00-1292	EA	36" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	2,410.95 120.55 -188.88	626.53
26 05 36 00-1293 12" Rung Tray Fittings (26 05 36 00-0744)				
26 05 36 00-1294 90 Degree, 12" Radius Horizontal Elbows (26 05 36 00-1293)				
26 05 36 00-1295	EA	6" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	296.51 14.83 -19.84	117.73
26 05 36 00-1296	EA	9" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	326.38 16.32 -21.46	134.04
26 05 36 00-1297	EA	12" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	368.95 18.45 -24.55	148.24
26 05 36 00-1298	EA	18" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	440.02 22.00 -28.86	181.69
26 05 36 00-1299	EA	24" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	517.90 25.90 -34.41	208.57
26 05 36 00-1300	EA	30" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	571.64 28.58 -37.60	234.75
26 05 36 00-1301	EA	36" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	665.68 33.28 -44.21	268.31
26 05 36 00-1302 90 Degree, 24" Radius Horizontal Elbows (26 05 36 00-1293)				
26 05 36 00-1303	EA	6" Horizontal 90 Degree Elbow, 24" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	381.92 19.10 -27.99	122.42
26 05 36 00-1304	EA	9" Horizontal 90 Degree Elbow, 24" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	420.04 21.00 -30.28	140.73

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 05 36 00-1305	EA 12" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	455.20 22.76 -32.48		156.46
26 05 36 00-1306	EA 18" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	534.77 26.74 -37.28		194.36
26 05 36 00-1307	EA 24" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	606.93 30.35 -41.91		225.47
26 05 36 00-1308	EA 30" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	679.30 33.97 -46.61		255.87
26 05 36 00-1309	EA 36" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	778.56 38.93 -53.16		296.37
26 05 36 00-1310 90 Degree, 36" Radius Horizontal Elbows (26 05 36 00-1293)				
26 05 36 00-1311	EA 6" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	408.89 20.44 -30.23		127.93
26 05 36 00-1312	EA 9" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	447.51 22.38 -32.41		148.13
26 05 36 00-1313	EA 12" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	499.89 24.99 -36.17		165.73
26 05 36 00-1314	EA 18" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	599.20 29.96 -42.54		208.57
26 05 36 00-1315	EA 24" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	692.68 34.63 -48.86		244.84
26 05 36 00-1316	EA 30" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	782.01 39.10 -54.73		281.69
26 05 36 00-1317	EA 36" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	909.82 45.49 -63.40		330.99
26 05 36 00-1318 45 Degree, 12" Radius Horizontal Elbows (26 05 36 00-1293)				
26 05 36 00-1319	EA 6" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 30 Degree Bend, Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i>	208.22 -64.77 10.41 -13.71 -36.02		85.32
26 05 36 00-1320	EA 9" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 30 Degree Bend, Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i>	239.10 -71.83 11.96 -15.39 -39.69		102.35
26 05 36 00-1321	EA 12" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 30 Degree Bend, Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i>	266.76 -78.25 13.34 -16.90 -43.04		117.37
26 05 36 00-1322	EA 18" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 30 Degree Bend, Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i>	331.05 -95.56 16.55 -20.75 -52.39		148.36
26 05 36 00-1323	EA 24" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 30 Degree Bend, Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i>	406.99 -117.86 20.35 -25.56 -64.66		181.69
26 05 36 00-1324	EA 30" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 30 Degree Bend, Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i>	467.08 -135.21 23.35 -29.33 -74.17		208.57
26 05 36 00-1325	EA 36" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 30 Degree Bend, Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i>	532.61 -150.10 26.63 -32.86 -81.90		244.84
26 05 36 00-1326 45 Degree, 24" Radius Horizontal Elbows (26 05 36 00-1293)				
26 05 36 00-1327	EA 6" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 30 Degree Bend, Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 60 Degree Bend, Deduct</i>	235.57 -78.24 11.78 -16.23 -44.01		88.03

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1328	EA	9"	Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	275.96	106.10
			For 30 Degree Bend, Deduct	-89.87	
			For 6" Overall Height Instead Of 4-5/8", Add	13.80	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-18.75	
			For 60 Degree Bend, Deduct	-50.39	
26 05 36 00-1329	EA	12"	Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	305.83	122.54
			For 30 Degree Bend, Deduct	-96.74	
			For 6" Overall Height Instead Of 4-5/8", Add	15.29	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-20.37	
			For 60 Degree Bend, Deduct	-53.96	
26 05 36 00-1330	EA	18"	Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	370.09	156.46
			For 30 Degree Bend, Deduct	-112.26	
			For 6" Overall Height Instead Of 4-5/8", Add	18.50	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-23.97	
			For 60 Degree Bend, Deduct	-62.14	
26 05 36 00-1331	EA	24"	Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	450.92	194.36
			For 30 Degree Bend, Deduct	-134.65	
			For 6" Overall Height Instead Of 4-5/8", Add	22.55	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-28.90	
			For 60 Degree Bend, Deduct	-74.31	
26 05 36 00-1332	EA	30"	Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	528.16	225.47
			For 30 Degree Bend, Deduct	-158.99	
			For 6" Overall Height Instead Of 4-5/8", Add	26.41	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-34.03	
			For 60 Degree Bend, Deduct	-87.88	
26 05 36 00-1333	EA	36"	Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	607.37	268.43
			For 30 Degree Bend, Deduct	-177.50	
			For 6" Overall Height Instead Of 4-5/8", Add	30.37	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-38.37	
			For 60 Degree Bend, Deduct	-97.55	
26 05 36 00-1334 45 Degree, 36" Radius Horizontal Elbows (26 05 36 00-1293)					
26 05 36 00-1335	EA	6"	Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	270.76	90.85
			For 30 Degree Bend, Deduct	-95.95	
			For 6" Overall Height Instead Of 4-5/8", Add	13.54	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-19.51	
			For 60 Degree Bend, Deduct	-54.54	
26 05 36 00-1336	EA	9"	Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	305.81	110.33
			For 30 Degree Bend, Deduct	-103.85	
			For 6" Overall Height Instead Of 4-5/8", Add	15.29	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-21.39	
			For 60 Degree Bend, Deduct	-58.63	
26 05 36 00-1337	EA	12"	Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	337.91	128.05
			For 30 Degree Bend, Deduct	-111.16	
			For 6" Overall Height Instead Of 4-5/8", Add	16.90	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-23.12	
			For 60 Degree Bend, Deduct	-62.43	
26 05 36 00-1338	EA	18"	Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	413.50	165.73
			For 30 Degree Bend, Deduct	-130.72	
			For 6" Overall Height Instead Of 4-5/8", Add	20.68	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-27.54	
			For 60 Degree Bend, Deduct	-72.91	
26 05 36 00-1339	EA	24"	Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	515.35	208.57
			For 30 Degree Bend, Deduct	-161.76	
			For 6" Overall Height Instead Of 4-5/8", Add	25.77	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-34.15	
			For 60 Degree Bend, Deduct	-90.10	
26 05 36 00-1340	EA	30"	Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	585.97	244.84
			For 30 Degree Bend, Deduct	-179.45	
			For 6" Overall Height Instead Of 4-5/8", Add	29.30	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-38.19	
			For 60 Degree Bend, Deduct	-99.50	
26 05 36 00-1341	EA	36"	Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	689.63	296.37
			For 30 Degree Bend, Deduct	-206.40	
			For 6" Overall Height Instead Of 4-5/8", Add	34.48	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-44.26	
			For 60 Degree Bend, Deduct	-113.96	
26 05 36 00-1342 90 Degree, 12" Radius Vertical Risers (26 05 36 00-1293)					
26 05 36 00-1343	EA	6"	Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	330.86	117.37
			For 6" Overall Height Instead Of 4-5/8", Add	16.54	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-23.31	
26 05 36 00-1344	EA	9"	Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	366.09	134.04
			For 6" Overall Height Instead Of 4-5/8", Add	18.30	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-25.44	
26 05 36 00-1345	EA	12"	Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	392.06	148.24
			For 6" Overall Height Instead Of 4-5/8", Add	19.60	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-26.86	
26 05 36 00-1346	EA	18"	Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	452.81	181.69
			For 6" Overall Height Instead Of 4-5/8", Add	22.64	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-30.14	
26 05 36 00-1347	EA	24"	Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	505.03	208.57
			For 6" Overall Height Instead Of 4-5/8", Add	25.25	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-33.12	
26 05 36 00-1348	EA	30"	Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	555.98	234.75
			For 6" Overall Height Instead Of 4-5/8", Add	27.80	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-36.04	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
26 05 36 00-1349	EA 36" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	616.28 30.81 -39.30		267.96	
26 05 36 00-1350	90 Degree, 24" Radius Vertical Risers (26 05 36 00-1293)				
26 05 36 00-1351	EA 6" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	350.36 17.52 -24.83		122.42	
26 05 36 00-1352	EA 9" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	387.20 19.36 -26.98		140.85	
26 05 36 00-1353	EA 12" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	416.97 20.85 -28.66		156.46	
26 05 36 00-1354	EA 18" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	488.62 24.43 -32.67		194.36	
26 05 36 00-1355	EA 24" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	550.29 27.51 -36.24		225.47	
26 05 36 00-1356	EA 30" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	610.90 30.55 -39.77		255.87	
26 05 36 00-1357	EA 36" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	690.70 34.54 -44.37		296.37	
26 05 36 00-1358	90 Degree, 36" Radius Vertical Risers (26 05 36 00-1293)				
26 05 36 00-1359	EA 6" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	439.47 21.97 -33.28		127.93	
26 05 36 00-1360	EA 9" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	478.12 23.91 -35.46		148.24	
26 05 36 00-1361	EA 12" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	522.19 26.11 -38.40		165.73	
26 05 36 00-1362	EA 18" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	603.38 30.17 -42.96		208.57	
26 05 36 00-1363	EA 24" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	673.67 33.68 -46.96		244.84	
26 05 36 00-1364	EA 30" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	754.72 37.74 -52.00		281.69	
26 05 36 00-1365	EA 36" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	849.08 42.45 -57.33		330.99	
26 05 36 00-1366	12" Radius Horizontal Tees (26 05 36 00-1293)				
26 05 36 00-1367	EA 6" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	525.70 26.29 -33.78		225.47	
26 05 36 00-1368	EA 9" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	567.94 28.40 -36.39		244.84	
26 05 36 00-1369	EA 12" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	588.77 29.44 -37.55		255.87	
26 05 36 00-1370	EA 18" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	663.74 33.19 -42.90		281.69	
26 05 36 00-1371	EA 24" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	735.11 36.76 -47.45		312.68	
26 05 36 00-1372	EA 30" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	800.95 40.05 -52.47		331.58	
26 05 36 00-1373	EA 36" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	923.17 46.16 -61.03		375.36	
26 05 36 00-1374	24" Radius Horizontal Tees (26 05 36 00-1293)				
26 05 36 00-1375	EA 6" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	663.83 33.19 -45.98		244.84	
26 05 36 00-1376	EA 9" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	717.77 35.89 -49.41		268.43	
26 05 36 00-1377	EA 12" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	747.34 37.37 -51.26		281.69	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1378	EA	18"	Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	823.63	312.68
			For 6" Overall Height Instead Of 4-5/8", Add	41.18	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-56.30	
26 05 36 00-1379	EA	24"	Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	916.35	352.11
			For 6" Overall Height Instead Of 4-5/8", Add	45.82	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-62.29	
26 05 36 00-1380	EA	30"	Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	987.10	375.36
			For 6" Overall Height Instead Of 4-5/8", Add	49.36	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-67.43	
26 05 36 00-1381	EA	36"	Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,275.98	433.69
			For 6" Overall Height Instead Of 4-5/8", Add	63.80	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-91.46	
26 05 36 00-1382 36" Radius Horizontal Tees (26 05 36 00-1293)					
26 05 36 00-1383	EA	6"	Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	808.75	268.43
			For 6" Overall Height Instead Of 4-5/8", Add	40.44	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-58.51	
26 05 36 00-1384	EA	9"	Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	865.28	296.37
			For 6" Overall Height Instead Of 4-5/8", Add	43.26	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-61.83	
26 05 36 00-1385	EA	12"	Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	926.90	312.68
			For 6" Overall Height Instead Of 4-5/8", Add	46.35	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-66.63	
26 05 36 00-1386	EA	18"	Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,014.70	352.11
			For 6" Overall Height Instead Of 4-5/8", Add	50.74	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-72.13	
26 05 36 00-1387	EA	24"	Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,142.03	402.00
			For 6" Overall Height Instead Of 4-5/8", Add	57.10	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-80.71	
26 05 36 00-1388	EA	30"	Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,320.24	433.69
			For 6" Overall Height Instead Of 4-5/8", Add	66.01	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-95.89	
26 05 36 00-1389	EA	36"	Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,516.89	511.74
			For 6" Overall Height Instead Of 4-5/8", Add	75.84	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-109.04	
26 05 36 00-1390 12" Radius Vertical Tees (26 05 36 00-1293)					
26 05 36 00-1391	EA	6"	Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	684.52	208.57
			For 6" Overall Height Instead Of 4-5/8", Add	34.23	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-51.07	
26 05 36 00-1392	EA	9"	Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	708.06	216.78
			For 6" Overall Height Instead Of 4-5/8", Add	35.40	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-52.74	
26 05 36 00-1393	EA	12"	Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	724.87	225.47
			For 6" Overall Height Instead Of 4-5/8", Add	36.24	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-53.70	
26 05 36 00-1394	EA	18"	Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	764.65	244.84
			For 6" Overall Height Instead Of 4-5/8", Add	38.23	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-56.06	
26 05 36 00-1395	EA	24"	Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	812.53	255.87
			For 6" Overall Height Instead Of 4-5/8", Add	40.63	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-59.93	
26 05 36 00-1396	EA	30"	Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	862.91	281.69
			For 6" Overall Height Instead Of 4-5/8", Add	43.15	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-62.82	
26 05 36 00-1397	EA	36"	Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	926.90	312.68
			For 6" Overall Height Instead Of 4-5/8", Add	46.35	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-66.63	
26 05 36 00-1398 24" Radius Vertical Tees (26 05 36 00-1293)					
26 05 36 00-1399	EA	6"	Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	946.17	225.47
			For 6" Overall Height Instead Of 4-5/8", Add	47.31	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-75.83	
26 05 36 00-1400	EA	9"	Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	969.07	234.75
			For 6" Overall Height Instead Of 4-5/8", Add	48.45	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-77.35	
26 05 36 00-1401	EA	12"	Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	993.32	244.84
			For 6" Overall Height Instead Of 4-5/8", Add	49.67	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-78.93	
26 05 36 00-1402	EA	18"	Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,049.72	268.43
			For 6" Overall Height Instead Of 4-5/8", Add	52.49	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-82.61	
26 05 36 00-1403	EA	24"	Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,086.66	281.69
			For 6" Overall Height Instead Of 4-5/8", Add	54.33	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-85.19	
26 05 36 00-1404	EA	30"	Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,153.12	312.68
			For 6" Overall Height Instead Of 4-5/8", Add	57.66	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-89.25	
26 05 36 00-1405	EA	36"	Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,275.34	352.11
			For 6" Overall Height Instead Of 4-5/8", Add	63.77	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-98.19	
26 05 36 00-1406 36" Radius Vertical Tees (26 05 36 00-1293)					

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 36 00-1407	EA	6" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,493.33	244.84
		For 6" Overall Height Instead Of 4-5/8", Add	74.67	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-128.93	
26 05 36 00-1408	EA	9" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,525.80	255.87
		For 6" Overall Height Instead Of 4-5/8", Add	76.29	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-131.26	
26 05 36 00-1409	EA	12" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,560.70	268.43
		For 6" Overall Height Instead Of 4-5/8", Add	78.04	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-133.71	
26 05 36 00-1410	EA	18" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,621.50	296.37
		For 6" Overall Height Instead Of 4-5/8", Add	81.08	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-137.45	
26 05 36 00-1411	EA	24" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,662.79	312.68
		For 6" Overall Height Instead Of 4-5/8", Add	83.14	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-140.22	
26 05 36 00-1412	EA	30" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,770.73	352.11
		For 6" Overall Height Instead Of 4-5/8", Add	88.54	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-147.73	
26 05 36 00-1413	EA	36" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,867.89	402.00
		For 6" Overall Height Instead Of 4-5/8", Add	93.39	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-153.29	

26 05 36 00-1414 12" Radius Horizontal Crosses (26 05 36 00-1293)

26 05 36 00-1415	EA	6" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	678.49	281.69
		For 6" Overall Height Instead Of 4-5/8", Add	33.92	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-44.37	
26 05 36 00-1416	EA	9" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	725.12	296.37
		For 6" Overall Height Instead Of 4-5/8", Add	36.26	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-47.81	
26 05 36 00-1417	EA	12" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	754.78	312.68
		For 6" Overall Height Instead Of 4-5/8", Add	37.74	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-49.42	
26 05 36 00-1418	EA	18" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	835.37	331.58
		For 6" Overall Height Instead Of 4-5/8", Add	41.77	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-55.91	
26 05 36 00-1419	EA	24" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	918.25	375.36
		For 6" Overall Height Instead Of 4-5/8", Add	45.91	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-60.54	
26 05 36 00-1420	EA	30" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,014.17	402.00
		For 6" Overall Height Instead Of 4-5/8", Add	50.71	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-67.92	
26 05 36 00-1421	EA	36" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,153.04	433.69
		For 6" Overall Height Instead Of 4-5/8", Add	57.65	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-79.17	

26 05 36 00-1422 24" Radius Horizontal Crosses (26 05 36 00-1293)

26 05 36 00-1423	EA	6" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	921.98	312.68
		For 6" Overall Height Instead Of 4-5/8", Add	46.10	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-66.14	
26 05 36 00-1424	EA	9" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	965.69	331.58
		For 6" Overall Height Instead Of 4-5/8", Add	48.28	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-68.94	
26 05 36 00-1425	EA	12" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,012.24	352.11
		For 6" Overall Height Instead Of 4-5/8", Add	50.61	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-71.88	
26 05 36 00-1426	EA	18" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,073.16	375.36
		For 6" Overall Height Instead Of 4-5/8", Add	53.66	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-76.03	
26 05 36 00-1427	EA	24" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,209.59	433.69
		For 6" Overall Height Instead Of 4-5/8", Add	60.48	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-84.82	
26 05 36 00-1428	EA	30" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,303.77	469.49
		For 6" Overall Height Instead Of 4-5/8", Add	65.19	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-91.25	
26 05 36 00-1429	EA	36" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,440.67	511.74
		For 6" Overall Height Instead Of 4-5/8", Add	72.03	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-101.42	

26 05 36 00-1430 36" Radius Horizontal Crosses (26 05 36 00-1293)

26 05 36 00-1431	EA	6" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,058.96	352.11
		For 6" Overall Height Instead Of 4-5/8", Add	52.95	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-76.55	
26 05 36 00-1432	EA	9" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,117.42	375.36
		For 6" Overall Height Instead Of 4-5/8", Add	55.87	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-80.46	
26 05 36 00-1433	EA	12" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,191.21	402.00
		For 6" Overall Height Instead Of 4-5/8", Add	59.56	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-85.62	
26 05 36 00-1434	EA	18" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,278.44	433.69
		For 6" Overall Height Instead Of 4-5/8", Add	63.92	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-91.71	
26 05 36 00-1435	EA	24" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,541.48	511.74
		For 6" Overall Height Instead Of 4-5/8", Add	77.07	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-111.50	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1436	EA	30" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,699.73 84.99 -123.10	562.44
26 05 36 00-1437	EA	36" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,892.54 94.63 -137.04	626.53
26 05 36 00-1438 12" Radius Vertical Crosses (26 05 36 00-1293)				
26 05 36 00-1439	EA	6" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	678.49 33.92 -44.37	281.69
26 05 36 00-1440	EA	9" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	725.29 36.26 -47.82	296.49
26 05 36 00-1441	EA	12" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	754.69 37.73 -49.41	312.68
26 05 36 00-1442	EA	18" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	835.58 41.78 -55.92	331.70
26 05 36 00-1443	EA	24" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	918.25 45.91 -60.54	375.36
26 05 36 00-1444	EA	30" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,014.48 50.72 -67.94	402.12
26 05 36 00-1445	EA	36" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,152.15 57.61 -79.12	433.10
26 05 36 00-1446 24" Radius Vertical Crosses (26 05 36 00-1293)				
26 05 36 00-1447	EA	6" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	921.98 46.10 -66.14	312.68
26 05 36 00-1448	EA	9" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	965.69 48.28 -68.94	331.58
26 05 36 00-1449	EA	12" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,012.24 50.61 -71.88	352.11
26 05 36 00-1450	EA	18" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,073.16 53.66 -76.03	375.36
26 05 36 00-1451	EA	24" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,209.59 60.48 -84.82	433.69
26 05 36 00-1452	EA	30" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,303.77 65.19 -91.25	469.49
26 05 36 00-1453	EA	36" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,440.67 72.03 -101.42	511.74
26 05 36 00-1454 36" Radius Vertical Crosses (26 05 36 00-1293)				
26 05 36 00-1455	EA	6" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,271.41 63.57 -97.80	352.11
26 05 36 00-1456	EA	9" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,338.72 66.94 -102.59	375.36
26 05 36 00-1457	EA	12" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,425.78 71.29 -109.08	402.00
26 05 36 00-1458	EA	18" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,528.51 76.43 -116.71	433.69
26 05 36 00-1459	EA	24" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,851.30 92.57 -142.48	511.74
26 05 36 00-1460	EA	30" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	2,042.74 102.14 -157.40	562.44
26 05 36 00-1461	EA	36" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	2,274.28 113.71 -175.22	626.53
26 05 36 00-1462	Dropout Or End Plates And Reducers (26 05 36 00-0744)			
26 05 36 00-1463	Straight Reducers (26 05 36 00-1462)			
26 05 36 00-1464	EA	9" To 6" Reducer, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	267.35 13.37 -19.51	86.62
26 05 36 00-1465	EA	12" To 9" Reducer, Aluminum Cable Tray..... <i>For 6" Overall Height Instead Of 4-5/8", Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	282.01 14.10 -20.38	93.78

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
26 05 36 00-1466	EA 18" To 12" Reducer, Aluminum Cable Tray For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	308.87 15.44 -21.86		108.22	
26 05 36 00-1467	EA 24" To 18" Reducer, Aluminum Cable Tray For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	339.84 16.99 -23.55		125.24	
26 05 36 00-1468	EA 30" To 24" Reducer, Aluminum Cable Tray For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	368.62 18.43 -25.12		140.85	
26 05 36 00-1469	EA 36" To 30" Reducer, Aluminum Cable Tray For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	410.29 20.51 -27.62		160.92	
26 05 36 00-1470 Reducers (26 05 36 00-1462)					
26 05 36 00-1471	EA 18" To 6" Reducer, Aluminum Cable Tray For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	308.98 15.45 -21.87		108.34	
26 05 36 00-1472	EA 24" To 12" Reducer, Aluminum Cable Tray For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	340.14 17.01 -23.56		125.36	
26 05 36 00-1473	EA 30" To 12" Reducer, Aluminum Cable Tray For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	368.43 18.42 -25.12		140.73	
26 05 36 00-1474	EA 30" To 18" Reducer, Aluminum Cable Tray For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	370.97 18.55 -25.38		140.61	
26 05 36 00-1475	EA 36" To 12" Reducer, Aluminum Cable Tray For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	407.56 20.38 -27.35		160.92	
26 05 36 00-1476	EA 36" To 18" Reducer, Aluminum Cable Tray For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	417.33 20.87 -27.97		165.15	
26 05 36 00-1477	EA 36" To 24" Reducer, Aluminum Cable Tray For 6" Overall Height Instead Of 4-5/8", Add For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	431.59 21.58 -28.96		170.43	
26 05 36 00-1478 Dropout Or End Plate (26 05 36 00-1462)					
26 05 36 00-1479	EA 6" Dropout Or End Plate, Aluminum Cable Tray	74.94		35.21	
26 05 36 00-1480	EA 9" Dropout Or End Plate, Aluminum Cable Tray	84.37		40.26	
26 05 36 00-1481	EA 12" Dropout Or End Plate, Aluminum Cable Tray	91.03		43.31	
26 05 36 00-1482	EA 18" Dropout Or End Plate, Aluminum Cable Tray	110.59		51.18	
26 05 36 00-1483	EA 24" Dropout Or End Plate, Aluminum Cable Tray	123.53		56.34	
26 05 36 00-1484	EA 30" Dropout Or End Plate, Aluminum Cable Tray	139.59		62.56	
26 05 36 00-1485	EA 36" Dropout Or End Plate, Aluminum Cable Tray	156.58		70.42	
26 05 36 00-1486 Solid Bottom Cable Tray (26 05 36 00-0001) Note: 3-5/8" Height.					
26 05 36 00-1487 Solid Bottom Galvanized Steel Straight Tray Sections (26 05 36 00-1486)					
26 05 36 00-1488	LF 6" Solid Bottom Steel Cable Tray, Straight Section For 4-5/8" Overall Height Instead Of 3-5/8", Add	31.57 3.20		9.15	
26 05 36 00-1489	LF 12" Solid Bottom Steel Cable Tray, Straight Section For 4-5/8" Overall Height Instead Of 3-5/8", Add	39.37 4.03		11.27	
26 05 36 00-1490	LF 18" Solid Bottom Steel Cable Tray, Straight Section For 4-5/8" Overall Height Instead Of 3-5/8", Add	52.32 5.15		16.20	
26 05 36 00-1491	LF 24" Solid Bottom Steel Cable Tray, Straight Section For 4-5/8" Overall Height Instead Of 3-5/8", Add	60.56 5.99		18.54	
26 05 36 00-1492	LF 30" Solid Bottom Steel Cable Tray, Straight Section For 4-5/8" Overall Height Instead Of 3-5/8", Add	72.55 7.14		22.42	
26 05 36 00-1493	LF 36" Solid Bottom Steel Cable Tray, Straight Section For 4-5/8" Overall Height Instead Of 3-5/8", Add	93.16 9.69		25.71	
26 05 36 00-1494 Solid Bottom Galvanized Steel Cable Tray Fittings (26 05 36 00-1486)					
26 05 36 00-1495 90 Degree, 12" Radius Horizontal Elbows (26 05 36 00-1494)					
26 05 36 00-1496	EA 6" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray For 4-5/8" Overall Height Instead Of 3-5/8", Add	318.55 28.21		117.49	
26 05 36 00-1497	EA 12" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray For 4-5/8" Overall Height Instead Of 3-5/8", Add	413.06 34.41		165.26	
26 05 36 00-1498	EA 18" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray For 4-5/8" Overall Height Instead Of 3-5/8", Add	504.84 40.96		208.57	
26 05 36 00-1499	EA 24" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray For 4-5/8" Overall Height Instead Of 3-5/8", Add	618.69 50.09		256.22	
26 05 36 00-1500	EA 30" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray For 4-5/8" Overall Height Instead Of 3-5/8", Add	723.23 59.00		296.95	
26 05 36 00-1501	EA 36" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray For 4-5/8" Overall Height Instead Of 3-5/8", Add	812.93 66.68		331.58	
26 05 36 00-1502 90 Degree, 24" Radius Horizontal Elbows (26 05 36 00-1494)					
26 05 36 00-1503	EA 6" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray For 4-5/8" Overall Height Instead Of 3-5/8", Add	378.30 36.35		122.30	
26 05 36 00-1504	EA 12" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray For 4-5/8" Overall Height Instead Of 3-5/8", Add	497.57 45.26		176.17	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1505	EA	18"	Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	611.49 54.15	225.47
26 05 36 00-1506	EA	24"	Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	744.56 64.74	281.69
26 05 36 00-1507	EA	30"	Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	873.29 75.84	330.99
26 05 36 00-1508	EA	36"	Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	986.68 85.44	375.36
26 05 36 00-1509 90 Degree, 36" Radius Horizontal Elbows (26 05 36 00-1494)					
26 05 36 00-1510	EA	6"	Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	468.36 48.96	127.82
26 05 36 00-1511	EA	12"	Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	600.85 58.78	188.15
26 05 36 00-1512	EA	18"	Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	759.88 73.12	245.19
26 05 36 00-1513	EA	24"	Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	901.87 83.16	312.68
26 05 36 00-1514	EA	30"	Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,082.46 99.80	375.36
26 05 36 00-1515	EA	36"	Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,234.26 113.04	432.52
26 05 36 00-1516 45 Degree, 12" Radius Horizontal Elbows (26 05 36 00-1494)					
26 05 36 00-1517	EA	6"	Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	287.98 23.61	117.49
26 05 36 00-1518	EA	12"	Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	378.67 29.25	165.26
26 05 36 00-1519	EA	18"	Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	465.14 35.05	208.34
26 05 36 00-1520	EA	24"	Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	570.17 42.88	255.87
26 05 36 00-1521	EA	30"	Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	666.13 50.44	296.95
26 05 36 00-1522	EA	36"	Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	746.81 56.87	330.99
26 05 36 00-1523 45 Degree, 24" Radius Horizontal Elbows (26 05 36 00-1494)					
26 05 36 00-1524	EA	6"	Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	334.84 29.82	122.42
26 05 36 00-1525	EA	12"	Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	446.32 37.61	176.06
26 05 36 00-1526	EA	18"	Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	553.02 45.33	225.71
26 05 36 00-1527	EA	24"	Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	675.79 54.42	281.69
26 05 36 00-1528	EA	30"	Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	793.90 63.83	331.58
26 05 36 00-1529	EA	36"	Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	896.42 71.90	375.36
26 05 36 00-1530 45 Degree, 36" Radius Horizontal Elbows (26 05 36 00-1494)					
26 05 36 00-1531	EA	6"	Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	404.82 39.40	127.93
26 05 36 00-1532	EA	12"	Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	499.84 46.54	170.54
26 05 36 00-1533	EA	18"	Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	672.07 59.94	245.19
26 05 36 00-1534	EA	24"	Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	807.63 68.93	313.27
26 05 36 00-1535	EA	30"	Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	968.26 82.67	375.36
26 05 36 00-1536	EA	36"	Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,107.72 93.88	433.69
26 05 36 00-1537 90 Degree, 12" Radius Vertical Risers (26 05 36 00-1494)					
26 05 36 00-1538	EA	6"	Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	345.05 32.23	117.14
26 05 36 00-1539	EA	12"	Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	432.70 37.35	165.26
26 05 36 00-1540	EA	18"	Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	507.30 41.33	208.57
26 05 36 00-1541	EA	24"	Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	613.78 49.36	256.22
26 05 36 00-1542	EA	30"	Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	693.76 54.58	296.95
26 05 36 00-1543	EA	36"	Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	757.86 58.52	330.99
26 05 36 00-1544 90 Degree, 24" Radius Vertical Risers (26 05 36 00-1494)					

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
26 05 36 00-1545	EA 6" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	415.14 41.88		122.30	
26 05 36 00-1546	EA 12" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	524.58 49.32		176.17	
26 05 36 00-1547	EA 18" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	626.22 56.36		225.47	
26 05 36 00-1548	EA 24" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	742.10 64.37		281.69	
26 05 36 00-1549	EA 30" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	838.91 70.68		330.99	
26 05 36 00-1550	EA 36" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	940.02 78.44		375.36	
26 05 36 00-1551 90 Degree, 36" Radius Vertical Risers (26 05 36 00-1494)					
26 05 36 00-1552	EA 6" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	500.29 53.75		127.82	
26 05 36 00-1553	EA 12" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	606.61 62.50		170.89	
26 05 36 00-1554	EA 18" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	759.88 73.12		245.19	
26 05 36 00-1555	EA 24" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	906.78 83.90		312.68	
26 05 36 00-1556	EA 30" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,045.62 94.28		375.36	
26 05 36 00-1557	EA 36" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,177.77 104.57		432.52	
26 05 36 00-1558 12" Radius Horizontal Tees (26 05 36 00-1494)					
26 05 36 00-1559	EA 6" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	547.63 44.57		225.47	
26 05 36 00-1560	EA 12" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	655.40 51.44		281.22	
26 05 36 00-1561	EA 18" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	773.64 60.79		331.58	
26 05 36 00-1562	EA 24" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	919.52 70.78		402.82	
26 05 36 00-1563	EA 30" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,005.18 78.50		433.69	
26 05 36 00-1564	EA 36" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,177.19 91.28		511.74	
26 05 36 00-1565 24" Radius Horizontal Tees (26 05 36 00-1494)					
26 05 36 00-1566	EA 6" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	675.81 60.56		244.84	
26 05 36 00-1567	EA 12" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	833.10 72.85		312.68	
26 05 36 00-1568	EA 18" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	971.94 83.23		375.36	
26 05 36 00-1569	EA 24" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,251.58 109.49		469.49	
26 05 36 00-1570	EA 30" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,363.85 119.28		511.74	
26 05 36 00-1571	EA 36" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,596.83 135.10		626.53	
26 05 36 00-1572 36" Radius Horizontal Tees (26 05 36 00-1494)					
26 05 36 00-1573	EA 6" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	867.27 85.36		268.43	
26 05 36 00-1574	EA 12" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,055.95 99.71		352.11	
26 05 36 00-1575	EA 18" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,233.59 112.76		433.69	
26 05 36 00-1576	EA 24" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,508.75 141.01		511.74	
26 05 36 00-1577	EA 30" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,652.73 153.86		564.33	
26 05 36 00-1578	EA 36" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,910.52 169.21		704.24	
26 05 36 00-1579 12" Radius Vertical Tees (26 05 36 00-1494)					
26 05 36 00-1580	EA 6" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	658.15 61.15		225.47	
26 05 36 00-1581	EA 12" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	764.21 67.68		281.69	
26 05 36 00-1582	EA 18" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	820.82 71.00		312.68	
26 05 36 00-1583	EA 24" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	880.66 76.94		330.99	
26 05 36 00-1584	EA 30" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	976.86 83.96		375.36	
26 05 36 00-1585	EA 36" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,086.23 90.66		433.69	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1586 24" Radius Vertical Tees (26 05 36 00-1494)				
26 05 36 00-1587	EA	6" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray	825.63	244.84
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	83.03	
26 05 36 00-1588	EA	12" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray	958.36	312.68
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	91.64	
26 05 36 00-1589	EA	18" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray	1,046.13	352.11
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	98.23	
26 05 36 00-1590	EA	24" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray	1,107.02	375.36
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	103.49	
26 05 36 00-1591	EA	30" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray	1,250.78	433.69
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	115.34	
26 05 36 00-1592	EA	36" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray	1,405.60	511.74
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	125.54	
26 05 36 00-1593 36" Radius Vertical Tees (26 05 36 00-1494)				
26 05 36 00-1594	EA	6" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,097.46	267.96
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	119.96	
26 05 36 00-1595	EA	12" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,249.98	352.11
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	128.81	
26 05 36 00-1596	EA	18" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,382.17	402.00
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	140.33	
26 05 36 00-1597	EA	24" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,459.54	433.69
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	146.66	
26 05 36 00-1598	EA	30" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,712.60	511.74
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	171.59	
26 05 36 00-1599	EA	36" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,846.20	562.44
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	183.18	
26 05 36 00-1600 12" Radius Horizontal Crosses (26 05 36 00-1494)				
26 05 36 00-1601	EA	6" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray	675.79	281.69
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	54.42	
26 05 36 00-1602	EA	12" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray	776.10	331.58
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	61.16	
26 05 36 00-1603	EA	18" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray	932.72	402.00
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	72.92	
26 05 36 00-1604	EA	24" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray	1,077.21	469.49
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	83.33	
26 05 36 00-1605	EA	30" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray	1,266.58	562.44
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	96.24	
26 05 36 00-1606	EA	36" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray	1,405.26	626.53
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	106.37	
26 05 36 00-1607 24" Radius Horizontal Crosses (26 05 36 00-1494)				
26 05 36 00-1608	EA	6" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray	897.89	313.27
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	82.47	
26 05 36 00-1609	EA	12" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray	1,045.62	375.36
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	94.28	
26 05 36 00-1610	EA	18" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray	1,251.58	469.49
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	109.49	
26 05 36 00-1611	EA	24" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray	1,542.21	564.33
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	137.28	
26 05 36 00-1612	EA	30" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray	1,695.07	626.53
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	149.84	
26 05 36 00-1613	EA	36" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray	1,861.40	704.24
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	161.84	
26 05 36 00-1614 36" Radius Horizontal Crosses (26 05 36 00-1494)				
26 05 36 00-1615	EA	6" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray	1,200.86	352.11
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	121.44	
26 05 36 00-1616	EA	12" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray	1,398.14	433.69
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	137.45	
26 05 36 00-1617	EA	18" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray	1,677.29	564.33
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	157.54	
26 05 36 00-1618	EA	24" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray	1,916.11	626.53
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	182.99	
26 05 36 00-1619	EA	30" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray	2,119.28	704.24
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	200.52	
26 05 36 00-1620	EA	36" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray	2,346.83	803.89
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	218.04	
26 05 36 00-1621 Straight Reducers (26 05 36 00-1494)				
26 05 36 00-1622	EA	12" To 6" Reducer, Solid Bottom, Steel Cable Tray	276.84	93.89
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	25.88	
26 05 36 00-1623	EA	18" To 12" Reducer, Solid Bottom, Steel Cable Tray	299.67	106.10
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	27.26	
26 05 36 00-1624	EA	24" To 18" Reducer, Solid Bottom, Steel Cable Tray	331.49	122.30
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	29.35	
26 05 36 00-1625	EA	30" To 24" Reducer, Solid Bottom, Steel Cable Tray	372.29	140.85
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	32.37	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 36 00-1626	EA	36" To 30" Reducer, Solid Bottom, Steel Cable Tray.....	402.81	156.23
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	34.39	

26 05 36 00-1627 Reducers (26 05 36 00-1494)

26 05 36 00-1628	EA	18" To 6" Reducer, Solid Bottom, Steel Cable Tray.....	299.77	106.22
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	27.27	
26 05 36 00-1629	EA	24" To 12" Reducer, Solid Bottom, Steel Cable Tray.....	329.46	122.54
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	29.00	
26 05 36 00-1630	EA	30" To 12" Reducer, Solid Bottom, Steel Cable Tray.....	367.18	140.73
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	31.62	
26 05 36 00-1631	EA	30" To 18" Reducer, Solid Bottom, Steel Cable Tray.....	369.45	140.61
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	31.98	
26 05 36 00-1632	EA	36" To 12" Reducer, Solid Bottom, Steel Cable Tray.....	400.35	156.23
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	34.02	
26 05 36 00-1633	EA	36" To 18" Reducer, Solid Bottom, Steel Cable Tray.....	402.81	156.23
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	34.39	
26 05 36 00-1634	EA	36" To 24" Reducer, Solid Bottom, Steel Cable Tray.....	405.73	156.46
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	34.78	

26 05 36 00-1635 Dropout Or End Plate (26 05 36 00-1494)

26 05 36 00-1636	EA	6" Dropout Or End Plate, Solid Bottom, Steel Cable Tray	83.73	35.21
26 05 36 00-1637	EA	12" Dropout Or End Plate, Solid Bottom, Steel Cable Tray	102.79	42.96
26 05 36 00-1638	EA	18" Dropout Or End Plate, Solid Bottom, Steel Cable Tray	118.37	50.94
26 05 36 00-1639	EA	24" Dropout Or End Plate, Solid Bottom, Steel Cable Tray	133.31	56.34
26 05 36 00-1640	EA	30" Dropout Or End Plate, Solid Bottom, Steel Cable Tray	148.45	62.56
26 05 36 00-1641	EA	36" Dropout Or End Plate, Solid Bottom, Steel Cable Tray	164.65	70.42

26 05 36 00-1642 Solid Bottom Aluminum Straight Cable Tray Sections (26 05 36 00-1486)

26 05 36 00-1643	LF	6" Solid Bottom Aluminum Cable Tray, Straight Section.....	28.08	7.40
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	2.98	
26 05 36 00-1644	LF	12" Solid Bottom Aluminum Cable Tray, Straight Section.....	35.07	8.69
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	3.82	
26 05 36 00-1645	LF	18" Solid Bottom Aluminum Cable Tray, Straight Section.....	44.78	11.27
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	4.83	
26 05 36 00-1646	LF	24" Solid Bottom Aluminum Cable Tray, Straight Section.....	53.37	12.44
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	5.94	
26 05 36 00-1647	LF	30" Solid Bottom Aluminum Cable Tray, Straight Section.....	65.33	16.08
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	7.12	
26 05 36 00-1648	LF	36" Solid Bottom Steel Aluminum Tray, Straight Section.....	77.83	17.61
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	8.73	

26 05 36 00-1649 Solid Bottom Aluminum Cable Tray Fittings (26 05 36 00-1486)**26 05 36 00-1650 90 Degree, 12" Radius Horizontal Elbows** (26 05 36 00-1649)

26 05 36 00-1651	EA	6" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	322.25	117.49
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	28.76	
26 05 36 00-1652	EA	12" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	388.89	147.89
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	33.68	
26 05 36 00-1653	EA	18" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	449.98	165.61
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	39.89	
26 05 36 00-1654	EA	24" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	523.87	194.48
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	46.16	
26 05 36 00-1655	EA	30" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	619.31	225.71
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	55.28	
26 05 36 00-1656	EA	36" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	699.89	256.22
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	62.27	

26 05 36 00-1657 90 Degree, 24" Radius Horizontal Elbows (26 05 36 00-1649)

26 05 36 00-1658	EA	6" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	383.79	122.30
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	37.18	
26 05 36 00-1659	EA	12" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	474.53	156.69
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	45.07	
26 05 36 00-1660	EA	18" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	536.55	176.06
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	51.14	
26 05 36 00-1661	EA	24" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	648.10	208.57
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	62.45	
26 05 36 00-1662	EA	30" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	751.47	244.49
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	71.97	
26 05 36 00-1663	EA	36" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	864.81	281.69
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	82.77	

26 05 36 00-1664 90 Degree, 36" Radius Horizontal Elbows (26 05 36 00-1649)

26 05 36 00-1665	EA	6" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	479.78	127.82
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	50.67	
26 05 36 00-1666	EA	12" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	596.77	165.97
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	61.86	
26 05 36 00-1667	EA	18" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	693.01	188.15
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	72.60	
26 05 36 00-1668	EA	24" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	782.41	225.12
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	79.84	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1669	EA	30" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	907.85 91.45	268.43
26 05 36 00-1670	EA	36" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,059.88 106.96	312.21
26 05 36 00-1671 45 Degree, 12" Radius Horizontal Elbows (26 05 36 00-1649)				
26 05 36 00-1672	EA	6" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	294.55 24.59	117.49
26 05 36 00-1673	EA	12" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	357.59 28.98	147.89
26 05 36 00-1674	EA	18" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	411.45 34.14	165.50
26 05 36 00-1675	EA	24" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	479.24 39.53	194.13
26 05 36 00-1676	EA	30" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	565.82 47.25	225.71
26 05 36 00-1677	EA	36" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	638.64 53.21	255.52
26 05 36 00-1678 45 Degree, 24" Radius Horizontal Elbows (26 05 36 00-1649)				
26 05 36 00-1679	EA	6" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	344.36 31.25	122.42
26 05 36 00-1680	EA	12" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	427.34 38.02	156.46
26 05 36 00-1681	EA	18" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	483.65 43.15	176.41
26 05 36 00-1682	EA	24" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	582.00 52.53	208.57
26 05 36 00-1683	EA	30" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	676.93 60.67	245.19
26 05 36 00-1684	EA	36" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	777.84 69.73	281.69
26 05 36 00-1685 45 Degree, 36" Radius Horizontal Elbows (26 05 36 00-1649)				
26 05 36 00-1686	EA	6" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	421.38 41.88	127.93
26 05 36 00-1687	EA	12" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	525.80 51.27	165.61
26 05 36 00-1688	EA	18" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	609.51 60.08	188.15
26 05 36 00-1689	EA	24" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	693.79 66.45	225.71
26 05 36 00-1690	EA	30" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	806.53 76.25	268.43
26 05 36 00-1691	EA	36" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	943.02 89.24	313.27
26 05 36 00-1692 90 Degree, 12" Radius Vertical Risers (26 05 36 00-1649)				
26 05 36 00-1693	EA	6" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	345.45 32.29	117.14
26 05 36 00-1694	EA	12" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	402.73 35.75	147.89
26 05 36 00-1695	EA	18" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	451.96 40.19	165.61
26 05 36 00-1696	EA	24" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	510.03 44.08	194.48
26 05 36 00-1697	EA	30" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	573.85 48.46	225.71
26 05 36 00-1698	EA	36" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	629.47 51.83	255.52
26 05 36 00-1699 90 Degree, 24" Radius Vertical Risers (26 05 36 00-1649)				
26 05 36 00-1700	EA	6" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	417.39 42.22	122.30
26 05 36 00-1701	EA	12" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	492.32 47.74	156.69
26 05 36 00-1702	EA	18" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	542.48 52.03	176.06
26 05 36 00-1703	EA	24" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	618.45 58.00	208.57
26 05 36 00-1704	EA	30" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	694.15 63.37	244.49
26 05 36 00-1705	EA	36" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	785.74 70.91	281.69
26 05 36 00-1706 90 Degree, 36" Radius Vertical Risers (26 05 36 00-1649)				
26 05 36 00-1707	EA	6" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	493.62 52.75	127.82
26 05 36 00-1708	EA	12" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	592.81 61.27	165.97

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
26 05 36 00-1709	EA 18" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	657.43 67.26		188.15	
26 05 36 00-1710	EA 24" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	732.99 72.43		225.12	
26 05 36 00-1711	EA 30" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	842.62 81.66		268.43	
26 05 36 00-1712	EA 36" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	931.40 87.68		312.21	
26 05 36 00-1713 12" Radius Horizontal Tees (26 05 36 00-1649)					
26 05 36 00-1714	EA 6" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	571.39 48.14		225.47	
26 05 36 00-1715	EA 12" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	663.07 56.87		255.52	
26 05 36 00-1716	EA 18" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	736.33 63.50		281.69	
26 05 36 00-1717	EA 24" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	820.59 70.88		313.27	
26 05 36 00-1718	EA 30" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	969.58 82.87		375.36	
26 05 36 00-1719	EA 36" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,177.81 98.42		469.49	
26 05 36 00-1720 24" Radius Horizontal Tees (26 05 36 00-1649)					
26 05 36 00-1721	EA 6" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	730.29 68.73		244.84	
26 05 36 00-1722	EA 12" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	833.18 78.03		281.69	
26 05 36 00-1723	EA 18" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	932.32 87.73		312.68	
26 05 36 00-1724	EA 24" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,129.68 106.89		375.36	
26 05 36 00-1725	EA 30" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,355.70 125.11		469.49	
26 05 36 00-1726	EA 36" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,497.87 139.13		513.27	
26 05 36 00-1727 36" Radius Horizontal Tees (26 05 36 00-1649)					
26 05 36 00-1728	EA 6" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	971.10 100.94		268.43	
26 05 36 00-1729	EA 12" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,094.40 112.04		312.68	
26 05 36 00-1730	EA 18" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,249.02 128.67		352.11	
26 05 36 00-1731	EA 24" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,491.83 151.68		432.52	
26 05 36 00-1732	EA 30" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,790.42 174.51		564.33	
26 05 36 00-1733	EA 36" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,992.99 194.53		626.53	
26 05 36 00-1734 12" Radius Vertical Tees (26 05 36 00-1649)					
26 05 36 00-1735	EA 6" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	654.41 60.59		225.47	
26 05 36 00-1736	EA 12" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	711.12 64.02		255.87	
26 05 36 00-1737	EA 18" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	743.11 66.80		267.96	
26 05 36 00-1738	EA 24" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	784.99 70.87		281.22	
26 05 36 00-1739	EA 30" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	865.12 77.65		312.68	
26 05 36 00-1740	EA 36" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	989.34 85.84		375.36	
26 05 36 00-1741 24" Radius Vertical Tees (26 05 36 00-1649)					
26 05 36 00-1742	EA 6" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	819.24 82.08		244.84	
26 05 36 00-1743	EA 12" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	904.34 88.70		281.69	
26 05 36 00-1744	EA 18" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	958.49 94.37		296.37	
26 05 36 00-1745	EA 24" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,025.22 101.66		312.68	
26 05 36 00-1746	EA 30" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,140.31 112.36		352.11	
26 05 36 00-1747	EA 36" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,304.05 123.51		432.52	
26 05 36 00-1748 36" Radius Vertical Tees (26 05 36 00-1649)					

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1749	EA		6" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,089.01 118.69	267.96
26 05 36 00-1750	EA		12" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,186.84 126.55	308.93
26 05 36 00-1751	EA		18" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,263.13 134.31	330.99
26 05 36 00-1752	EA		24" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,318.20 139.04	352.11
26 05 36 00-1753	EA		30" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,460.57 152.09	402.00
26 05 36 00-1754	EA		36" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	939.97 55.70	511.74
26 05 36 00-1755 12" Radius Horizontal Crosses (26 05 36 00-1649)					
26 05 36 00-1756	EA		6" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	675.54 58.68	255.87
26 05 36 00-1757	EA		12" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	750.17 65.58	281.69
26 05 36 00-1758	EA		18" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	871.77 75.61	330.99
26 05 36 00-1759	EA		24" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,033.62 88.05	402.00
26 05 36 00-1760	EA		30" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,132.09 97.72	432.52
26 05 36 00-1761	EA		36" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,310.10 110.97	513.27
26 05 36 00-1762 24" Radius Horizontal Crosses (26 05 36 00-1649)					
26 05 36 00-1763	EA		6" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	905.09 88.74	282.16
26 05 36 00-1764	EA		12" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,025.22 101.66	312.68
26 05 36 00-1765	EA		18" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,173.17 113.41	375.36
26 05 36 00-1766	EA		24" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,446.73 138.55	470.78
26 05 36 00-1767	EA		30" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,586.82 152.48	513.27
26 05 36 00-1768	EA		36" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,805.22 166.36	626.53
26 05 36 00-1769 36" Radius Horizontal Crosses (26 05 36 00-1649)					
26 05 36 00-1770	EA		6" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,262.41 137.24	312.68
26 05 36 00-1771	EA		12" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,387.38 149.42	352.11
26 05 36 00-1772	EA		18" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,612.21 169.56	433.69
26 05 36 00-1773	EA		24" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,909.02 192.30	564.33
26 05 36 00-1774	EA		30" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	2,091.82 209.35	626.53
26 05 36 00-1775	EA		36" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	2,399.21 242.51	704.24
26 05 36 00-1776 Straight Reducers (26 05 36 00-1649)					
26 05 36 00-1777	EA		12" To 6" Reducer, Solid Bottom, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	256.79 25.09	80.51
26 05 36 00-1778	EA		18" To 12" Reducer, Solid Bottom, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	282.75 26.79	93.78
26 05 36 00-1779	EA		24" To 18" Reducer, Solid Bottom, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	311.28 29.01	106.10
26 05 36 00-1780	EA		30" To 24" Reducer, Solid Bottom, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	350.33 32.14	122.42
26 05 36 00-1781	EA		36" To 30" Reducer, Solid Bottom, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	388.54 34.84	140.61
26 05 36 00-1782 Reducers (26 05 36 00-1649)					
26 05 36 00-1783	EA		18" To 6" Reducer, Solid Bottom, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	280.86 26.50	93.78
26 05 36 00-1784	EA		24" To 12" Reducer, Solid Bottom, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	309.62 28.72	106.34
26 05 36 00-1785	EA		30" To 12" Reducer, Solid Bottom, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	346.23 31.54	122.30
26 05 36 00-1786	EA		30" To 18" Reducer, Solid Bottom, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	348.07 31.83	122.30
26 05 36 00-1787	EA		36" To 12" Reducer, Solid Bottom, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	388.54 34.84	140.61
26 05 36 00-1788	EA		36" To 18" Reducer, Solid Bottom, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	390.52 35.14	140.61
26 05 36 00-1789	EA		36" To 24" Reducer, Solid Bottom, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	394.85 35.75	140.85

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 36 00-1790		Dropout Or End Plate (26 05 36 00-1649)			
26 05 36 00-1791	EA	6" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray.....	83.68		35.21
26 05 36 00-1792	EA	12" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray.....	99.87		42.96
26 05 36 00-1793	EA	18" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray.....	118.77		50.94
26 05 36 00-1794	EA	24" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray.....	131.15		56.34
26 05 36 00-1795	EA	30" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray.....	147.72		62.56
26 05 36 00-1796	EA	36" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray.....	167.77		70.42
26 05 36 00-1797		Vented Bottom Cable Tray (26 05 36 00-0001)			
		Note: 6" Height.			
26 05 36 00-1798		Vented Bottom Galvanized Steel Cable Tray (26 05 36 00-1797)			
26 05 36 00-1799	LF	6" Vented Bottom Steel Cable Tray, Straight Section.....	40.53		12.33
		For 4-5/8" Overall Height Instead Of 6", Deduct	-3.03		
26 05 36 00-1800	LF	12" Vented Bottom Steel Cable Tray, Straight Section.....	47.76		14.08
		For 4-5/8" Overall Height Instead Of 6", Deduct	-3.61		
26 05 36 00-1801	LF	18" Vented Bottom Steel Cable Tray, Straight Section.....	56.29		16.20
		For 4-5/8" Overall Height Instead Of 6", Deduct	-4.28		
26 05 36 00-1802	LF	24" Vented Bottom Steel Cable Tray, Straight Section.....	64.61		18.54
		For 4-5/8" Overall Height Instead Of 6", Deduct	-4.91		
26 05 36 00-1803	LF	30" Vented Bottom Steel Cable Tray, Straight Section.....	85.64		22.42
		For 4-5/8" Overall Height Instead Of 6", Deduct	-6.69		
26 05 36 00-1804	LF	36" Vented Bottom Steel Cable Tray, Straight Section.....	100.99		28.16
		For 4-5/8" Overall Height Instead Of 6", Deduct	-7.75		
26 05 36 00-1805		Vented Bottom Galvanized Steel Cable Tray Fittings (26 05 36 00-1797)			
26 05 36 00-1806		90 Degree, 12" Radius Horizontal Elbows (26 05 36 00-1805)			
26 05 36 00-1807	EA	6" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	370.03		148.36
		For 4-5/8" Overall Height Instead Of 6", Deduct	-24.64		
26 05 36 00-1808	EA	12" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	480.37		200.71
		For 4-5/8" Overall Height Instead Of 6", Deduct	-31.31		
26 05 36 00-1809	EA	18" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	594.09		255.87
		For 4-5/8" Overall Height Instead Of 6", Deduct	-38.08		
26 05 36 00-1810	EA	24" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	728.75		313.27
		For 4-5/8" Overall Height Instead Of 6", Deduct	-46.77		
26 05 36 00-1811	EA	30" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	822.23		352.83
		For 4-5/8" Overall Height Instead Of 6", Deduct	-52.82		
26 05 36 00-1812	EA	36" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	942.38		402.82
		For 4-5/8" Overall Height Instead Of 6", Deduct	-60.67		
26 05 36 00-1813		90 Degree, 24" Radius Horizontal Elbows (26 05 36 00-1805)			
26 05 36 00-1814	EA	6" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	441.97		156.34
		For 4-5/8" Overall Height Instead Of 6", Deduct	-31.17		
26 05 36 00-1815	EA	12" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	570.29		216.78
		For 4-5/8" Overall Height Instead Of 6", Deduct	-38.96		
26 05 36 00-1816	EA	18" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	722.04		281.69
		For 4-5/8" Overall Height Instead Of 6", Deduct	-48.73		
26 05 36 00-1817	EA	24" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	871.56		352.11
		For 4-5/8" Overall Height Instead Of 6", Deduct	-57.81		
26 05 36 00-1818	EA	30" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	934.58		363.74
		For 4-5/8" Overall Height Instead Of 6", Deduct	-63.15		
26 05 36 00-1819	EA	36" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	1,163.62		469.49
		For 4-5/8" Overall Height Instead Of 6", Deduct	-77.24		
26 05 36 00-1820		90 Degree, 36" Radius Horizontal Elbows (26 05 36 00-1805)			
26 05 36 00-1821	EA	6" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	546.44		165.26
		For 4-5/8" Overall Height Instead Of 6", Deduct	-40.87		
26 05 36 00-1822	EA	12" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	701.71		235.10
		For 4-5/8" Overall Height Instead Of 6", Deduct	-50.58		
26 05 36 00-1823	EA	18" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	894.06		313.27
		For 4-5/8" Overall Height Instead Of 6", Deduct	-63.30		
26 05 36 00-1824	EA	24" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	1,062.53		402.00
		For 4-5/8" Overall Height Instead Of 6", Deduct	-72.76		
26 05 36 00-1825	EA	30" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	1,223.31		469.49
		For 4-5/8" Overall Height Instead Of 6", Deduct	-83.21		
26 05 36 00-1826	EA	36" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	1,428.81		562.44
		For 4-5/8" Overall Height Instead Of 6", Deduct	-96.01		
26 05 36 00-1827		45 Degree, 12" Radius Horizontal Elbows (26 05 36 00-1805)			
26 05 36 00-1828	EA	6" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	343.22		148.48
		For 4-5/8" Overall Height Instead Of 6", Deduct	-21.95		
26 05 36 00-1829	EA	12" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	448.30		200.71
		For 4-5/8" Overall Height Instead Of 6", Deduct	-28.10		
26 05 36 00-1830	EA	18" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	556.61		255.52
		For 4-5/8" Overall Height Instead Of 6", Deduct	-34.37		
26 05 36 00-1831	EA	24" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	682.36		312.68
		For 4-5/8" Overall Height Instead Of 6", Deduct	-42.18		
26 05 36 00-1832	EA	30" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	770.70		352.83
		For 4-5/8" Overall Height Instead Of 6", Deduct	-47.67		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1833	EA	36" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	881.25 -54.63	402.00
26 05 36 00-1834		45 Degree, 24" Radius Horizontal Elbows (26 05 36 00-1805)		
26 05 36 00-1835	EA	6" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	402.31 -27.19	156.46
26 05 36 00-1836	EA	12" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	524.33 -34.37	216.78
26 05 36 00-1837	EA	18" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	667.23 -43.21	282.16
26 05 36 00-1838	EA	24" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	808.92 -51.55	352.11
26 05 36 00-1839	EA	30" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	927.55 -59.18	402.82
26 05 36 00-1840	EA	36" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,079.77 -68.85	469.49
26 05 36 00-1841		45 Degree, 36" Radius Horizontal Elbows (26 05 36 00-1805)		
26 05 36 00-1842	EA	6" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	487.36 -34.93	165.61
26 05 36 00-1843	EA	12" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	632.48 -43.71	234.40
26 05 36 00-1844	EA	18" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	812.23 -55.12	313.27
26 05 36 00-1845	EA	24" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	977.69 -64.20	402.82
26 05 36 00-1846	EA	30" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,126.33 -73.51	469.49
26 05 36 00-1847	EA	36" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,323.73 -85.35	564.33
26 05 36 00-1848		90 Degree, 12" Radius Vertical Risers (26 05 36 00-1805)		
26 05 36 00-1849	EA	6" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	405.00 -28.17	147.89
26 05 36 00-1850	EA	12" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	511.37 -34.41	200.71
26 05 36 00-1851	EA	18" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	605.57 -39.23	255.87
26 05 36 00-1852	EA	24" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	726.46 -46.54	313.27
26 05 36 00-1853	EA	30" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	796.97 -50.30	352.83
26 05 36 00-1854	EA	36" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	890.34 -55.54	402.00
26 05 36 00-1855		90 Degree, 24" Radius Vertical Risers (26 05 36 00-1805)		
26 05 36 00-1856	EA	6" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	487.89 -35.76	156.34
26 05 36 00-1857	EA	12" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	602.43 -42.18	216.78
26 05 36 00-1858	EA	18" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	735.82 -50.11	281.69
26 05 36 00-1859	EA	24" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	862.37 -56.89	352.11
26 05 36 00-1860	EA	30" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	979.88 -64.49	402.00
26 05 36 00-1861	EA	36" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,106.22 -71.50	469.49
26 05 36 00-1862		90 Degree, 36" Radius Vertical Risers (26 05 36 00-1805)		
26 05 36 00-1863	EA	6" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	583.18 -44.54	165.26
26 05 36 00-1864	EA	12" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	717.78 -52.19	235.10
26 05 36 00-1865	EA	18" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	884.88 -62.38	313.27
26 05 36 00-1866	EA	24" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,057.94 -72.30	402.00
26 05 36 00-1867	EA	30" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,179.69 -78.84	469.49
26 05 36 00-1868	EA	36" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,378.30 -90.96	562.44
26 05 36 00-1869		12" Radius Horizontal Tees (26 05 36 00-1805)		
26 05 36 00-1870	EA	6" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	655.46 -42.07	281.69
26 05 36 00-1871	EA	12" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	792.32 -49.95	351.41
26 05 36 00-1872	EA	18" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	905.65 -56.99	402.82

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 36 00-1873	EA	24" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	1,053.41	469.49
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-66.22	
26 05 36 00-1874	EA	30" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	1,162.95	511.74
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-73.65	
26 05 36 00-1875	EA	36" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	1,277.28	562.44
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-80.85	

26 05 36 00-1876 24" Radius Horizontal Tees (26 05 36 00-1805)

26 05 36 00-1877	EA	6" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	828.85	312.68
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-56.83	
26 05 36 00-1878	EA	12" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	1,005.14	402.00
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-67.02	
26 05 36 00-1879	EA	18" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	1,156.73	469.49
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-76.55	
26 05 36 00-1880	EA	24" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	1,424.22	562.44
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-95.55	
26 05 36 00-1881	EA	30" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	1,572.29	626.53
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-105.02	
26 05 36 00-1882	EA	36" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	1,756.89	704.24
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-117.00	

26 05 36 00-1883 36" Radius Horizontal Tees (26 05 36 00-1805)

26 05 36 00-1884	EA	6" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,027.68	352.11
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-73.43	
26 05 36 00-1885	EA	12" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,285.30	469.49
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-89.41	
26 05 36 00-1886	EA	18" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,489.22	564.33
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-101.90	
26 05 36 00-1887	EA	24" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,834.95	704.24
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-124.81	
26 05 36 00-1888	EA	30" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	2,046.27	807.63
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-137.33	
26 05 36 00-1889	EA	36" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	2,387.34	936.52
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-160.69	

26 05 36 00-1890 12" Radius Vertical Tees (26 05 36 00-1805)

26 05 36 00-1891	EA	6" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	779.44	281.69
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-54.47	
26 05 36 00-1892	EA	12" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	901.40	352.11
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-60.80	
26 05 36 00-1893	EA	18" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	947.08	375.36
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-63.43	
26 05 36 00-1894	EA	24" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	1,009.73	402.00
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-67.48	
26 05 36 00-1895	EA	30" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	1,083.20	433.69
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-72.18	
26 05 36 00-1896	EA	36" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	1,220.35	511.74
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-79.39	

26 05 36 00-1897 24" Radius Vertical Tees (26 05 36 00-1805)

26 05 36 00-1898	EA	6" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	936.75	312.68
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-67.62	
26 05 36 00-1899	EA	12" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	1,106.16	402.00
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-77.12	
26 05 36 00-1900	EA	18" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	1,179.63	433.69
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-81.83	
26 05 36 00-1901	EA	24" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	1,273.82	469.49
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-88.26	
26 05 36 00-1902	EA	30" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	1,369.59	511.74
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-94.31	
26 05 36 00-1903	EA	36" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	1,604.44	626.53
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-108.23	

26 05 36 00-1904 36" Radius Vertical Tees (26 05 36 00-1805)

26 05 36 00-1905	EA	6" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,246.92	351.41
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-95.41	
26 05 36 00-1906	EA	12" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,459.79	469.49
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-106.85	
26 05 36 00-1907	EA	18" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,553.26	511.74
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-112.68	
26 05 36 00-1908	EA	24" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,686.67	564.33
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-121.64	
26 05 36 00-1909	EA	30" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,905.21	626.53
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-138.31	
26 05 36 00-1910	EA	36" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	2,212.33	803.89
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-154.24	

26 05 36 00-1911 12" Radius Horizontal Crosses (26 05 36 00-1805)

26 05 36 00-1912	EA	6" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray.....	825.64	352.11
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-53.22	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1913	EA	12" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	912.53 -57.68	402.82
26 05 36 00-1914	EA	18" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,051.11 -65.99	469.49
26 05 36 00-1915	EA	24" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,219.88 -75.11	562.44
26 05 36 00-1916	EA	30" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,357.38 -83.71	624.31
26 05 36 00-1917	EA	36" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,529.59 -94.27	704.24
26 05 36 00-1918 24" Radius Horizontal Crosses (26 05 36 00-1805)				
26 05 36 00-1919	EA	6" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,045.70 -71.00	402.82
26 05 36 00-1920	EA	12" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,175.09 -78.38	469.49
26 05 36 00-1921	EA	18" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,369.12 -90.04	562.44
26 05 36 00-1922	EA	24" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,722.45 -113.56	704.24
26 05 36 00-1923	EA	30" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,946.00 -127.61	803.89
26 05 36 00-1924	EA	36" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	2,203.66 -142.33	936.52
26 05 36 00-1925 36" Radius Horizontal Crosses (26 05 36 00-1805)				
26 05 36 00-1926	EA	6" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,413.87 -102.26	469.49
26 05 36 00-1927	EA	12" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,604.02 -113.38	564.33
26 05 36 00-1928	EA	18" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,851.02 -126.42	704.24
26 05 36 00-1929	EA	24" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	2,384.21 -159.96	941.44
26 05 36 00-1930	EA	30" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	2,776.37 -183.59	1,128.54
26 05 36 00-1931	EA	36" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	3,311.74 -213.80	1,408.47
26 05 36 00-1932 Straight Reducers (26 05 36 00-1805)				
26 05 36 00-1933	EA	12" To 6" Reducer, Vented Bottom, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	315.83 -21.59	119.95
26 05 36 00-1934	EA	18" To 12" Reducer, Vented Bottom, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	343.85 -23.22	134.04
26 05 36 00-1935	EA	24" To 18" Reducer, Vented Bottom, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	388.93 -25.88	156.23
26 05 36 00-1936	EA	30" To 24" Reducer, Vented Bottom, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	426.59 -27.99	176.06
26 05 36 00-1937	EA	36" To 30" Reducer, Vented Bottom, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	465.51 -30.39	193.90
26 05 36 00-1938 Reducers (26 05 36 00-1805)				
26 05 36 00-1939	EA	18" To 6" Reducer, Vented Bottom, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	343.85 -23.22	134.04
26 05 36 00-1940	EA	24" To 12" Reducer, Vented Bottom, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	387.11 -25.67	156.46
26 05 36 00-1941	EA	30" To 12" Reducer, Vented Bottom, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	424.01 -27.74	175.82
26 05 36 00-1942	EA	30" To 18" Reducer, Vented Bottom, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	426.01 -27.96	175.71
26 05 36 00-1943	EA	36" To 12" Reducer, Vented Bottom, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	463.21 -30.16	193.90
26 05 36 00-1944	EA	36" To 18" Reducer, Vented Bottom, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	465.51 -30.39	193.90
26 05 36 00-1945	EA	36" To 24" Reducer, Vented Bottom, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	468.52 -30.66	194.36
26 05 36 00-1946 Dropout Or End Plate (26 05 36 00-1805)				
26 05 36 00-1947	EA	6" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	99.85	43.31
26 05 36 00-1948	EA	12" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	118.49	50.83
26 05 36 00-1949	EA	18" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	130.59	56.11
26 05 36 00-1950	EA	24" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	146.94	62.56
26 05 36 00-1951	EA	30" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	162.92	70.31
26 05 36 00-1952	EA	36" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	190.64	84.04
26 05 36 00-1953 Vented Bottom Aluminum Cable Tray (26 05 36 00-1797)				
26 05 36 00-1954	LF	6" Vented Bottom Aluminum Cable Tray, Straight Section <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	38.75 -3.11	9.15
26 05 36 00-1955	LF	9" Vented Bottom Aluminum Cable Tray, Straight Section <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	43.02 -3.47	10.09

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
26 05 36 00-1956	LF 12" Vented Bottom Aluminum Cable Tray, Straight Section <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	48.14 -3.88		11.27	
26 05 36 00-1957	LF 18" Vented Bottom Aluminum Cable Tray, Straight Section <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	56.19 -4.57		12.56	
26 05 36 00-1958	LF 24" Vented Bottom Aluminum Cable Tray, Straight Section <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	64.62 -5.30		13.97	
26 05 36 00-1959	LF 30" Vented Bottom Aluminum Cable Tray, Straight Section <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	82.46 -6.91		16.08	
26 05 36 00-1960	LF 36" Vented Bottom Aluminum Cable Tray, Straight Section <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	91.54 -7.58		18.89	
26 05 36 00-1961 Vented Bottom Aluminum Cable Tray Fittings (26 05 36 00-1797)					
26 05 36 00-1962 90 Degree, 12" Radius Horizontal Elbows (26 05 36 00-1961)					
26 05 36 00-1963	EA 6" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	437.47 -31.39		148.36	
26 05 36 00-1964	EA 9" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	475.27 -34.10		161.04	
26 05 36 00-1965	EA 12" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	522.79 -37.17		181.34	
26 05 36 00-1966	EA 18" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	591.41 -42.39		200.94	
26 05 36 00-1967	EA 24" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	706.48 -50.21		245.19	
26 05 36 00-1968	EA 30" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	836.99 -60.19		282.16	
26 05 36 00-1969	EA 36" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	921.96 -66.09		313.27	
26 05 36 00-1970 90 Degree, 24" Radius Horizontal Elbows (26 05 36 00-1961)					
26 05 36 00-1971	EA 6" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	536.34 -40.60		156.34	
26 05 36 00-1972	EA 12" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	646.51 -48.46		194.36	
26 05 36 00-1973	EA 18" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	733.62 -55.29		216.78	
26 05 36 00-1974	EA 24" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	871.27 -64.80		267.96	
26 05 36 00-1975	EA 30" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,005.59 -74.55		312.21	
26 05 36 00-1976	EA 36" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,110.78 -81.74		352.11	
26 05 36 00-1977 90 Degree, 36" Radius Horizontal Elbows (26 05 36 00-1961)					
26 05 36 00-1978	EA 6" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	664.33 -52.66		165.26	
26 05 36 00-1979	EA 12" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	792.03 -61.80		208.81	
26 05 36 00-1980	EA 18" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	896.38 -70.05		235.10	
26 05 36 00-1981	EA 24" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,045.49 -79.85		296.37	
26 05 36 00-1982	EA 30" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,126.69 -88.74		287.21	
26 05 36 00-1983	EA 36" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,373.09 -103.81		402.00	
26 05 36 00-1984 45 Degree, 12" Radius Horizontal Elbows (26 05 36 00-1961)					
26 05 36 00-1985	EA 6" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	395.82 -27.21		148.48	
26 05 36 00-1986	EA 9" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	430.02 -29.57		161.27	
26 05 36 00-1987	EA 12" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	474.26 -32.32		181.34	
26 05 36 00-1988	EA 18" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	534.61 -36.73		200.71	
26 05 36 00-1989	EA 24" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	640.40 -43.63		244.84	
26 05 36 00-1990	EA 30" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	756.30 -52.12		282.16	
26 05 36 00-1991	EA 36" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	833.06 -57.25		312.68	
26 05 36 00-1992 45 Degree, 24" Radius Horizontal Elbows (26 05 36 00-1961)					
26 05 36 00-1993	EA 6" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	475.91 -34.55		156.46	
26 05 36 00-1994	EA 12" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	575.53 -41.36		194.36	
26 05 36 00-1995	EA 18" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	652.18 -47.13		217.14	
26 05 36 00-1996	EA 24" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	778.53 -55.49		268.43	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1997	EA	30" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	900.67 -63.96	313.27
26 05 36 00-1998	EA	36" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	995.52 -70.21	352.11
26 05 36 00-1999		45 Degree, 36" Radius Horizontal Elbows (26 05 36 00-1961)		
26 05 36 00-2000	EA	6" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	579.31 -44.13	165.61
26 05 36 00-2001	EA	12" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	693.53 -51.99	208.34
26 05 36 00-2002	EA	18" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	785.36 -58.95	235.10
26 05 36 00-2003	EA	24" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	924.99 -67.76	296.95
26 05 36 00-2004	EA	30" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,058.05 -78.18	331.58
26 05 36 00-2005	EA	36" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,219.92 -88.42	402.82
26 05 36 00-2006		90 Degree, 12" Radius Vertical Risers (26 05 36 00-1961)		
26 05 36 00-2007	EA	6" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	478.21 -35.49	147.89
26 05 36 00-2008	EA	9" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	513.15 -37.93	160.69
26 05 36 00-2009	EA	12" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	550.36 -39.93	181.34
26 05 36 00-2010	EA	18" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	591.41 -42.39	200.94
26 05 36 00-2011	EA	24" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	692.69 -48.84	245.19
26 05 36 00-2012	EA	30" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	768.05 -53.29	282.16
26 05 36 00-2013	EA	36" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	821.76 -56.12	312.68
26 05 36 00-2014		90 Degree, 24" Radius Vertical Risers (26 05 36 00-1961)		
26 05 36 00-2015	EA	6" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	572.19 -44.19	156.34
26 05 36 00-2016	EA	12" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	663.05 -50.11	194.36
26 05 36 00-2017	EA	18" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	730.86 -55.02	216.78
26 05 36 00-2018	EA	24" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	822.32 -59.87	268.43
26 05 36 00-2019	EA	30" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	915.51 -65.49	312.68
26 05 36 00-2020	EA	36" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,000.48 -70.71	352.11
26 05 36 00-2021		90 Degree, 36" Radius Vertical Risers (26 05 36 00-1961)		
26 05 36 00-2022	EA	6" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	661.57 -52.38	165.26
26 05 36 00-2023	EA	12" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	761.69 -58.77	208.81
26 05 36 00-2024	EA	18" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	855.02 -65.91	235.10
26 05 36 00-2025	EA	24" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	995.85 -74.89	296.37
26 05 36 00-2026	EA	30" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,104.10 -82.78	331.58
26 05 36 00-2027	EA	36" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,237.97 -90.30	402.00
26 05 36 00-2028		12" Radius Horizontal Tees (26 05 36 00-1961)		
26 05 36 00-2029	EA	6" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	759.03 -52.43	281.69
26 05 36 00-2030	EA	9" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	791.80 -54.48	296.37
26 05 36 00-2031	EA	12" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	842.90 -58.28	312.21
26 05 36 00-2032	EA	18" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	963.06 -66.90	352.83
26 05 36 00-2033	EA	24" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,100.10 -76.51	402.00
26 05 36 00-2034	EA	30" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,242.99 -85.17	469.49
26 05 36 00-2035	EA	36" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,376.92 -95.04	511.74
26 05 36 00-2036		24" Radius Horizontal Tees (26 05 36 00-1961)		

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 36 00-2037	EA	6" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	962.39	312.68
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-70.18	
26 05 36 00-2038	EA	12" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,087.55	351.41
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-79.47	
26 05 36 00-2039	EA	18" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,221.43	402.00
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-88.65	
26 05 36 00-2040	EA	24" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,469.77	468.20
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-107.96	
26 05 36 00-2041	EA	30" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,685.01	564.33
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-121.48	
26 05 36 00-2042	EA	36" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,912.84	626.53
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-139.07	

26 05 36 00-2043 36" Radius Horizontal Tees (26 05 36 00-1961)

26 05 36 00-2044	EA	6" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,295.53	352.11
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-100.21	
26 05 36 00-2045	EA	12" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,483.39	402.00
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-114.84	
26 05 36 00-2046	EA	18" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,577.28	392.15
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-125.05	
26 05 36 00-2047	EA	24" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	2,012.90	562.44
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-154.42	
26 05 36 00-2048	EA	30" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	2,322.80	707.05
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-173.36	
26 05 36 00-2049	EA	36" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	2,663.46	803.89
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-199.35	

26 05 36 00-2050 12" Radius Vertical Tees (26 05 36 00-1961)

26 05 36 00-2051	EA	6" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	866.57	281.69
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-63.18	
26 05 36 00-2052	EA	9" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	893.83	296.37
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-64.68	
26 05 36 00-2053	EA	12" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	951.36	312.68
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-69.08	
26 05 36 00-2054	EA	18" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	985.53	331.58
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-70.92	
26 05 36 00-2055	EA	24" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,029.65	351.41
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-73.68	
26 05 36 00-2056	EA	30" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,088.91	375.36
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-77.61	
26 05 36 00-2057	EA	36" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,203.52	432.52
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-84.30	

26 05 36 00-2058 24" Radius Vertical Tees (26 05 36 00-1961)

26 05 36 00-2059	EA	6" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,083.72	312.68
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-82.31	
26 05 36 00-2060	EA	12" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,192.34	351.41
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-89.95	
26 05 36 00-2061	EA	18" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,273.66	375.36
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-96.08	
26 05 36 00-2062	EA	24" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,359.30	402.00
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-102.43	
26 05 36 00-2063	EA	30" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,465.48	432.52
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-110.50	
26 05 36 00-2064	EA	36" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,613.79	513.27
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-118.61	

26 05 36 00-2065 36" Radius Vertical Tees (26 05 36 00-1961)

26 05 36 00-2066	EA	6" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,454.30	351.41
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-116.15	
26 05 36 00-2067	EA	12" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,593.69	402.00
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-125.87	
26 05 36 00-2068	EA	18" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,672.29	432.52
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-131.18	
26 05 36 00-2069	EA	24" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,804.84	470.78
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-141.26	
26 05 36 00-2070	EA	30" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,958.47	513.27
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-153.07	
26 05 36 00-2071	EA	36" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	2,198.68	624.31
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-167.84	

26 05 36 00-2072 12" Radius Horizontal Crosses (26 05 36 00-1961)

26 05 36 00-2073	EA	6" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	882.42	312.68
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-62.18	
26 05 36 00-2074	EA	9" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	938.65	331.58
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-66.24	
26 05 36 00-2075	EA	12" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	985.12	352.83
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-69.11	
26 05 36 00-2076	EA	18" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,086.31	402.00
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-75.13	
26 05 36 00-2077	EA	24" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,243.66	468.20
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-85.35	

MINOR		CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2078	EA	30" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	1,413.05	510.33	
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-98.78		
26 05 36 00-2079	EA	36" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	1,722.57	626.53	
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-120.05		
26 05 36 00-2080 24" Radius Horizontal Crosses (26 05 36 00-1961)					
26 05 36 00-2081	EA	6" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	1,236.05	352.83	
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-94.20		
26 05 36 00-2082	EA	12" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	1,378.60	402.00	
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-104.36		
26 05 36 00-2083	EA	18" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	1,544.22	468.20	
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-115.40		
26 05 36 00-2084	EA	24" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	1,819.88	562.44	
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-135.11		
26 05 36 00-2085	EA	30" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	1,991.87	624.31	
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-147.16		
26 05 36 00-2086	EA	36" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	2,415.29	803.89	
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-174.54		
26 05 36 00-2087 36" Radius Horizontal Crosses (26 05 36 00-1961)					
26 05 36 00-2088	EA	6" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	1,731.56	402.00	
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-139.66		
26 05 36 00-2089	EA	12" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	1,915.14	470.78	
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-152.29		
26 05 36 00-2090	EA	18" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	2,164.56	562.44	
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-169.58		
26 05 36 00-2091	EA	24" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	2,598.54	707.05	
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-200.93		
26 05 36 00-2092	EA	30" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	2,890.20	807.63	
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-221.72		
26 05 36 00-2093	EA	36" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	3,353.17	936.52	
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-257.28		
26 05 36 00-2094 Straight Reducers (26 05 36 00-1961)					
26 05 36 00-2095	EA	9" To 6" Reducer, Vented Bottom, Aluminum Cable Tray	333.06	93.89	
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-25.48		
26 05 36 00-2096	EA	12" To 9" Reducer, Vented Bottom, Aluminum Cable Tray	349.60	98.95	
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-26.72		
26 05 36 00-2097	EA	18" To 12" Reducer, Vented Bottom, Aluminum Cable Tray	394.03	117.26	
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-29.63		
26 05 36 00-2098	EA	24" To 18" Reducer, Vented Bottom, Aluminum Cable Tray	435.47	133.93	
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-32.39		
26 05 36 00-2099	EA	30" To 24" Reducer, Vented Bottom, Aluminum Cable Tray	478.67	156.46	
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-34.83		
26 05 36 00-2100	EA	36" To 30" Reducer, Vented Bottom, Aluminum Cable Tray	518.96	175.71	
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-37.25		
26 05 36 00-2101 Reducers (26 05 36 00-1961)					
26 05 36 00-2102	EA	12" To 6" Reducer, Vented Bottom, Aluminum Cable Tray	349.33	98.71	
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-26.70		
26 05 36 00-2103	EA	18" To 6" Reducer, Vented Bottom, Aluminum Cable Tray	393.90	117.26	
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-29.62		
26 05 36 00-2104	EA	18" To 9" Reducer, Vented Bottom, Aluminum Cable Tray	393.90	117.26	
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-29.62		
26 05 36 00-2105	EA	24" To 6" Reducer, Vented Bottom, Aluminum Cable Tray	435.64	134.04	
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-32.40		
26 05 36 00-2106	EA	24" To 9" Reducer, Vented Bottom, Aluminum Cable Tray	435.64	134.04	
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-32.40		
26 05 36 00-2107	EA	24" To 12" Reducer, Vented Bottom, Aluminum Cable Tray	435.98	134.16	
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-32.42		
26 05 36 00-2108	EA	30" To 12" Reducer, Vented Bottom, Aluminum Cable Tray	483.95	156.34	
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-35.37		
26 05 36 00-2109	EA	30" To 18" Reducer, Vented Bottom, Aluminum Cable Tray	478.20	156.23	
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-34.80		
26 05 36 00-2110	EA	36" To 12" Reducer, Vented Bottom, Aluminum Cable Tray	518.96	175.71	
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-37.25		
26 05 36 00-2111	EA	36" To 18" Reducer, Vented Bottom, Aluminum Cable Tray	518.96	175.71	
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-37.25		
26 05 36 00-2112	EA	36" To 24" Reducer, Vented Bottom, Aluminum Cable Tray	519.54	176.06	
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-37.28		
26 05 36 00-2113 Dropout Or End Plate (26 05 36 00-1961)					
26 05 36 00-2114	EA	6" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	108.30	43.31	
26 05 36 00-2115	EA	9" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	118.18	47.30	
26 05 36 00-2116	EA	12" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	127.37	50.83	
26 05 36 00-2117	EA	18" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	144.94	56.11	
26 05 36 00-2118	EA	24" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	166.39	62.56	
26 05 36 00-2119	EA	30" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	183.41	70.31	
26 05 36 00-2120	EA	36" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	210.00	80.51	
26 05 36 00-2121 Cable Tray Covers And Dividers (26 05 36 00-0001)					

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
26 05 36 00-2122 Galvanized Steel Covers (26 05 36 00-2121)**26 05 36 00-2123 Ventilated Straight Sections (26 05 36 00-2122)**

26 05 36 00-2124	LF	6" Steel Cable Tray Cover, Straight Section	10.81	2.11
26 05 36 00-2125	LF	9" Steel Cable Tray Cover, Straight Section	13.06	2.47
26 05 36 00-2126	LF	12" Steel Cable Tray Cover, Straight Section	15.36	2.82
26 05 36 00-2127	LF	18" Steel Cable Tray Cover, Straight Section	20.83	3.76
26 05 36 00-2128	LF	24" Steel Cable Tray Cover, Straight Section	26.38	5.05
26 05 36 00-2129	LF	30" Steel Cable Tray Cover, Straight Section	31.99	6.22
26 05 36 00-2130	LF	36" Steel Cable Tray Cover, Straight Section	142.29	70.54

26 05 36 00-2131 90 Degree, 12" Radius Horizontal Elbows (26 05 36 00-2122)

26 05 36 00-2132	EA	6" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	66.52	7.51
26 05 36 00-2133	EA	9" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	74.36	8.80
26 05 36 00-2134	EA	12" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	80.47	10.44
26 05 36 00-2135	EA	18" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	109.54	13.38
26 05 36 00-2136	EA	24" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	134.04	17.02
26 05 36 00-2137	EA	30" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	162.27	18.89
26 05 36 00-2138	EA	36" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	196.03	22.53

26 05 36 00-2139 90 Degree, 24" Radius Horizontal Elbows (26 05 36 00-2122)

26 05 36 00-2140	EA	6" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	103.38	8.33
26 05 36 00-2141	EA	9" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	108.04	9.74
26 05 36 00-2142	EA	12" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	121.78	11.74
26 05 36 00-2143	EA	18" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	151.05	14.90
26 05 36 00-2144	EA	24" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	185.17	18.78
26 05 36 00-2145	EA	30" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	238.13	21.60
26 05 36 00-2146	EA	36" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	276.92	25.59

26 05 36 00-2147 90 Degree, 36" Radius Horizontal Elbows (26 05 36 00-2122)

26 05 36 00-2148	EA	6" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	146.45	9.39
26 05 36 00-2149	EA	9" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	162.71	10.79
26 05 36 00-2150	EA	12" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	176.16	13.38
26 05 36 00-2151	EA	18" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	223.53	15.61
26 05 36 00-2152	EA	24" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	270.30	21.71
26 05 36 00-2153	EA	30" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	318.65	24.53
26 05 36 00-2154	EA	36" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	372.90	28.16

26 05 36 00-2155 45 Degree, 12" Radius Horizontal Elbows (26 05 36 00-2122)

26 05 36 00-2156	EA	6" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	50.92	7.51
		For 60 Degree Bend, Deduct	-13.91	
		For 30 Degree Bend, Deduct	-23.60	
26 05 36 00-2157	EA	9" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	60.59	8.80
		For 60 Degree Bend, Deduct	-16.62	
		For 30 Degree Bend, Deduct	-28.19	
26 05 36 00-2158	EA	12" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	67.84	10.44
		For 60 Degree Bend, Deduct	-18.40	
		For 30 Degree Bend, Deduct	-31.25	
26 05 36 00-2159	EA	18" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	82.16	12.79
		For 60 Degree Bend, Deduct	-22.21	
		For 30 Degree Bend, Deduct	-37.73	
26 05 36 00-2160	EA	24" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	95.92	14.79
		For 60 Degree Bend, Deduct	-25.96	
		For 30 Degree Bend, Deduct	-44.09	
26 05 36 00-2161	EA	30" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	112.26	17.02
		For 60 Degree Bend, Deduct	-30.50	
		For 30 Degree Bend, Deduct	-51.78	
26 05 36 00-2162	EA	36" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	125.43	18.78
		For 60 Degree Bend, Deduct	-34.19	
		For 30 Degree Bend, Deduct	-58.03	

26 05 36 00-2163 45 Degree, 24" Radius Horizontal Elbows (26 05 36 00-2122)

26 05 36 00-2164	EA	6" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	70.10	8.33
		For 60 Degree Bend, Deduct	-19.95	
		For 30 Degree Bend, Deduct	-33.71	
26 05 36 00-2165	EA	9" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	79.34	9.74
		For 60 Degree Bend, Deduct	-22.46	
		For 30 Degree Bend, Deduct	-37.97	
26 05 36 00-2166	EA	12" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	90.78	11.74
		For 60 Degree Bend, Deduct	-25.45	
		For 30 Degree Bend, Deduct	-43.07	
26 05 36 00-2167	EA	18" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	105.02	14.08
		For 60 Degree Bend, Deduct	-29.25	
		For 30 Degree Bend, Deduct	-49.53	
26 05 36 00-2168	EA	24" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	121.01	16.08
		For 60 Degree Bend, Deduct	-33.75	
		For 30 Degree Bend, Deduct	-57.15	
26 05 36 00-2169	EA	30" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	150.76	18.78
		For 60 Degree Bend, Deduct	-42.54	
		For 30 Degree Bend, Deduct	-71.94	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2170	EA	36" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	167.02 -46.80 -79.21	21.71
26 05 36 00-2171		45 Degree, 36" Radius Horizontal Elbows (26 05 36 00-2122)		
26 05 36 00-2172	EA	6" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	97.12 -28.46 -47.95	9.39
26 05 36 00-2173	EA	9" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	109.91 -32.11 -54.13	10.79
26 05 36 00-2174	EA	12" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	123.29 -35.56 -60.02	13.38
26 05 36 00-2175	EA	18" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	140.73 -40.74 -68.73	14.90
26 05 36 00-2176	EA	24" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	171.52 -49.63 -83.72	18.19
26 05 36 00-2177	EA	30" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	189.98 -54.38 -91.84	21.71
26 05 36 00-2178	EA	36" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	225.12 -65.29 -110.11	23.47
26 05 36 00-2179		90 Degree, 12" Radius Vertical Risers (26 05 36 00-2122)		
26 05 36 00-2180	EA	6" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	57.54	7.51
26 05 36 00-2181	EA	9" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	60.59	8.80
26 05 36 00-2182	EA	12" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	66.69	10.44
26 05 36 00-2183	EA	18" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	77.60	12.79
26 05 36 00-2184	EA	24" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	85.01	16.55
26 05 36 00-2185	EA	30" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	94.54	18.89
26 05 36 00-2186	EA	36" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	119.03	22.53
26 05 36 00-2187		90 Degree, 24" Radius Vertical Risers (26 05 36 00-2122)		
26 05 36 00-2188	EA	6" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	68.94	8.33
26 05 36 00-2189	EA	9" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	77.04	9.74
26 05 36 00-2190	EA	12" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	82.75	11.74
26 05 36 00-2191	EA	18" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	107.27	14.08
26 05 36 00-2192	EA	24" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	124.41	18.19
26 05 36 00-2193	EA	30" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	142.87	21.71
26 05 36 00-2194	EA	36" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	164.41	25.59
26 05 36 00-2195		90 Degree, 36" Radius Vertical Risers (26 05 36 00-2122)		
26 05 36 00-2196	EA	6" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	79.87	9.39
26 05 36 00-2197	EA	9" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	99.58	10.79
26 05 36 00-2198	EA	12" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	114.17	13.38
26 05 36 00-2199	EA	18" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	140.73	14.90
26 05 36 00-2200	EA	24" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	163.27	20.78
26 05 36 00-2201	EA	30" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	194.67	24.53
26 05 36 00-2202	EA	36" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	228.26	28.16
26 05 36 00-2203		12" Radius Horizontal Tees (26 05 36 00-2122)		
26 05 36 00-2204	EA	6" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	101.94	12.21
26 05 36 00-2205	EA	9" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	107.27	14.08
26 05 36 00-2206	EA	12" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	121.65	16.55
26 05 36 00-2207	EA	18" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	146.17	18.78
26 05 36 00-2208	EA	24" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	180.79	21.71
26 05 36 00-2209	EA	30" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	221.97	31.22
26 05 36 00-2210	EA	36" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	266.80	37.45
26 05 36 00-2211		24" Radius Horizontal Tees (26 05 36 00-2122)		
26 05 36 00-2212	EA	6" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	149.92	12.79
26 05 36 00-2213	EA	9" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	171.72	14.90
26 05 36 00-2214	EA	12" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	180.84	17.61
26 05 36 00-2215	EA	18" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	228.72	20.19
26 05 36 00-2216	EA	24" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	337.50	23.47
26 05 36 00-2217	EA	30" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	398.53	35.21
26 05 36 00-2218	EA	36" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	446.42	43.31
26 05 36 00-2219		36" Radius Horizontal Tees (26 05 36 00-2122)		
26 05 36 00-2220	EA	6" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	254.19	13.38
26 05 36 00-2221	EA	9" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	262.54	15.61
26 05 36 00-2222	EA	12" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	293.07	18.78
26 05 36 00-2223	EA	18" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	343.87	21.71
26 05 36 00-2224	EA	24" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	446.81	25.59

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 36 00-2225	EA	30" Horizontal Tee, 36" Radius, Steel Cable Tray Cover.....	505.76	40.37
26 05 36 00-2226	EA	36" Horizontal Tee, 36" Radius, Steel Cable Tray Cover.....	583.32	51.06

26 05 36 00-2227 12" Radius Horizontal Crosses (26 05 36 00-2122)

26 05 36 00-2228	EA	6" Horizontal Cross, 12" Radius, Steel Cable Tray Cover.....	149.26	16.55
26 05 36 00-2229	EA	9" Horizontal Cross, 12" Radius, Steel Cable Tray Cover.....	157.92	17.61
26 05 36 00-2230	EA	12" Horizontal Cross, 12" Radius, Steel Cable Tray Cover.....	174.87	18.78
26 05 36 00-2231	EA	18" Horizontal Cross, 12" Radius, Steel Cable Tray Cover.....	206.05	21.71
26 05 36 00-2232	EA	24" Horizontal Cross, 12" Radius, Steel Cable Tray Cover.....	258.66	31.22
26 05 36 00-2233	EA	30" Horizontal Cross, 12" Radius, Steel Cable Tray Cover.....	298.87	37.45
26 05 36 00-2234	EA	36" Horizontal Cross, 12" Radius, Steel Cable Tray Cover.....	342.53	40.26

26 05 36 00-2235 24" Radius Horizontal Crosses (26 05 36 00-2122)

26 05 36 00-2236	EA	6" Horizontal Cross, 24" Radius, Steel Cable Tray Cover.....	261.27	17.61
26 05 36 00-2237	EA	9" Horizontal Cross, 24" Radius, Steel Cable Tray Cover.....	283.89	18.78
26 05 36 00-2238	EA	12" Horizontal Cross, 24" Radius, Steel Cable Tray Cover.....	304.49	20.19
26 05 36 00-2239	EA	18" Horizontal Cross, 24" Radius, Steel Cable Tray Cover.....	362.76	23.47
26 05 36 00-2240	EA	24" Horizontal Cross, 24" Radius, Steel Cable Tray Cover.....	453.58	35.21
26 05 36 00-2241	EA	30" Horizontal Cross, 24" Radius, Steel Cable Tray Cover.....	517.50	43.31
26 05 36 00-2242	EA	36" Horizontal Cross, 24" Radius, Steel Cable Tray Cover.....	578.59	46.83

26 05 36 00-2243 36" Radius Horizontal Crosses (26 05 36 00-2122)

26 05 36 00-2244	EA	6" Horizontal Cross, 36" Radius, Steel Cable Tray Cover.....	419.34	18.78
26 05 36 00-2245	EA	9" Horizontal Cross, 36" Radius, Steel Cable Tray Cover.....	435.36	20.19
26 05 36 00-2246	EA	12" Horizontal Cross, 36" Radius, Steel Cable Tray Cover.....	458.66	21.71
26 05 36 00-2247	EA	18" Horizontal Cross, 36" Radius, Steel Cable Tray Cover.....	529.47	25.59
26 05 36 00-2248	EA	24" Horizontal Cross, 36" Radius, Steel Cable Tray Cover.....	687.09	40.26
26 05 36 00-2249	EA	30" Horizontal Cross, 36" Radius, Steel Cable Tray Cover.....	751.30	51.29
26 05 36 00-2250	EA	36" Horizontal Cross, 36" Radius, Steel Cable Tray Cover.....	805.63	56.34

26 05 36 00-2251 Reducers (26 05 36 00-2122)

26 05 36 00-2252	EA	9" To 6" Reducer, Steel Cable Tray Covers.....	66.34	8.80
26 05 36 00-2253	EA	12" To 6" Reducer, Steel Cable Tray Covers.....	71.32	10.44
26 05 36 00-2254	EA	12" To 9" Reducer, Steel Cable Tray Covers.....	71.32	10.44
26 05 36 00-2255	EA	18" To 6" Reducer, Steel Cable Tray Covers.....	78.74	12.79
26 05 36 00-2256	EA	18" To 12" Reducer, Steel Cable Tray Covers.....	78.74	12.79
26 05 36 00-2257	EA	24" To 12" Reducer, Steel Cable Tray Covers.....	96.94	14.08
26 05 36 00-2258	EA	24" To 18" Reducer, Steel Cable Tray Covers.....	103.83	14.08
26 05 36 00-2259	EA	30" To 12" Reducer, Steel Cable Tray Covers.....	100.32	16.08
26 05 36 00-2260	EA	30" To 18" Reducer, Steel Cable Tray Covers.....	107.21	16.08
26 05 36 00-2261	EA	30" To 24" Reducer, Steel Cable Tray Covers.....	111.80	16.08
26 05 36 00-2262	EA	36" To 12" Reducer, Steel Cable Tray Covers.....	116.53	17.61
26 05 36 00-2263	EA	36" To 18" Reducer, Steel Cable Tray Covers.....	118.82	17.61
26 05 36 00-2264	EA	36" To 24" Reducer, Steel Cable Tray Covers.....	121.12	17.61
26 05 36 00-2265	EA	36" To 30" Reducer, Steel Cable Tray Covers.....	122.27	17.61

26 05 36 00-2266 Aluminum Covers (26 05 36 00-2121)**26 05 36 00-2267 Ventilated Straight Sections** (26 05 36 00-2266)

26 05 36 00-2268	LF	6" Aluminum Cable Tray Cover, Straight Section	11.81	2.11
26 05 36 00-2269	LF	9" Aluminum Cable Tray Cover, Straight Section	14.10	2.47
26 05 36 00-2270	LF	12" Aluminum Cable Tray Cover, Straight Section	16.56	2.82
26 05 36 00-2271	LF	18" Aluminum Cable Tray Cover, Straight Section	22.04	3.76
26 05 36 00-2272	LF	24" Aluminum Cable Tray Cover, Straight Section	28.31	5.05
26 05 36 00-2273	LF	30" Aluminum Cable Tray Cover, Straight Section	32.14	6.22
26 05 36 00-2274	LF	36" Aluminum Cable Tray Cover, Straight Section	140.69	70.54

26 05 36 00-2275 90 Degree, 12" Radius Horizontal Elbows (26 05 36 00-2266)

26 05 36 00-2276	EA	6" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	66.41	7.51
26 05 36 00-2277	EA	9" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	70.85	8.80
26 05 36 00-2278	EA	12" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	78.19	10.44
26 05 36 00-2279	EA	18" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	101.87	13.38
26 05 36 00-2280	EA	24" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	129.08	17.02
26 05 36 00-2281	EA	30" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	151.95	18.89
26 05 36 00-2282	EA	36" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	185.08	22.53

26 05 36 00-2283 90 Degree, 24" Radius Horizontal Elbows (26 05 36 00-2266)

26 05 36 00-2284	EA	6" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	87.57	8.33
26 05 36 00-2285	EA	9" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	107.49	9.74
26 05 36 00-2286	EA	12" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	120.26	11.74
26 05 36 00-2287	EA	18" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	144.15	14.90
26 05 36 00-2288	EA	24" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	178.81	18.78
26 05 36 00-2289	EA	30" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	216.33	21.60
26 05 36 00-2290	EA	36" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	265.10	25.59

26 05 36 00-2291 90 Degree, 36" Radius Horizontal Elbows (26 05 36 00-2266)

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2292	EA	6" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	141.98	9.39
26 05 36 00-2293	EA	9" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	156.17	10.79
26 05 36 00-2294	EA	12" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	179.16	13.38
26 05 36 00-2295	EA	18" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	213.34	15.61
26 05 36 00-2296	EA	24" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	263.16	21.71
26 05 36 00-2297	EA	30" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	303.00	24.53
26 05 36 00-2298	EA	36" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	353.52	28.16
26 05 36 00-2299 45 Degree, 12" Radius Horizontal Elbows (26 05 36 00-2266)				
26 05 36 00-2300	EA	6" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	52.37	7.51
		For 30 Degree Bend, Deduct	-24.40	
		For 60 Degree Bend, Deduct	-14.39	
26 05 36 00-2301	EA	9" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	55.63	8.80
		For 30 Degree Bend, Deduct	-25.46	
		For 60 Degree Bend, Deduct	-14.98	
26 05 36 00-2302	EA	12" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	63.21	10.44
		For 30 Degree Bend, Deduct	-28.70	
		For 60 Degree Bend, Deduct	-16.87	
26 05 36 00-2303	EA	18" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	73.99	12.79
		For 30 Degree Bend, Deduct	-33.23	
		For 60 Degree Bend, Deduct	-19.51	
26 05 36 00-2304	EA	24" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	83.27	14.79
		For 30 Degree Bend, Deduct	-37.14	
		For 60 Degree Bend, Deduct	-21.79	
26 05 36 00-2305	EA	30" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	102.19	17.02
		For 30 Degree Bend, Deduct	-46.24	
		For 60 Degree Bend, Deduct	-27.18	
26 05 36 00-2306	EA	36" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	120.25	18.78
		For 30 Degree Bend, Deduct	-55.18	
		For 60 Degree Bend, Deduct	-32.48	
26 05 36 00-2307 45 Degree, 24" Radius Horizontal Elbows (26 05 36 00-2266)				
26 05 36 00-2308	EA	6" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	60.08	8.33
		For 30 Degree Bend, Deduct	-28.20	
		For 60 Degree Bend, Deduct	-16.64	
26 05 36 00-2309	EA	9" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	74.72	9.74
		For 30 Degree Bend, Deduct	-35.43	
		For 60 Degree Bend, Deduct	-20.93	
26 05 36 00-2310	EA	12" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	80.47	11.74
		For 30 Degree Bend, Deduct	-37.40	
		For 60 Degree Bend, Deduct	-22.04	
26 05 36 00-2311	EA	18" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	97.24	14.08
		For 30 Degree Bend, Deduct	-45.25	
		For 60 Degree Bend, Deduct	-26.68	
26 05 36 00-2312	EA	24" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	118.17	16.08
		For 30 Degree Bend, Deduct	-55.59	
		For 60 Degree Bend, Deduct	-32.81	
26 05 36 00-2313	EA	30" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	136.70	18.78
		For 30 Degree Bend, Deduct	-64.21	
		For 60 Degree Bend, Deduct	-37.90	
26 05 36 00-2314	EA	36" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	157.87	21.71
		For 30 Degree Bend, Deduct	-74.18	
		For 60 Degree Bend, Deduct	-43.78	
26 05 36 00-2315 45 Degree, 36" Radius Horizontal Elbows (26 05 36 00-2266)				
26 05 36 00-2316	EA	6" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	95.19	9.39
		For 30 Degree Bend, Deduct	-46.89	
		For 60 Degree Bend, Deduct	-27.82	
26 05 36 00-2317	EA	9" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	104.68	10.79
		For 30 Degree Bend, Deduct	-51.25	
		For 60 Degree Bend, Deduct	-30.39	
26 05 36 00-2318	EA	12" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	113.56	13.38
		For 30 Degree Bend, Deduct	-54.66	
		For 60 Degree Bend, Deduct	-32.35	
26 05 36 00-2319	EA	18" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	134.80	14.90
		For 30 Degree Bend, Deduct	-65.46	
		For 60 Degree Bend, Deduct	-38.78	
26 05 36 00-2320	EA	24" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	163.74	18.19
		For 30 Degree Bend, Deduct	-79.45	
		For 60 Degree Bend, Deduct	-47.06	
26 05 36 00-2321	EA	30" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	188.30	21.71
		For 30 Degree Bend, Deduct	-90.91	
		For 60 Degree Bend, Deduct	-53.82	
26 05 36 00-2322	EA	36" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	212.36	23.47
		For 30 Degree Bend, Deduct	-103.10	
		For 60 Degree Bend, Deduct	-61.07	
26 05 36 00-2323 90 Degree, 12" Radius Vertical Risers (26 05 36 00-2266)				
26 05 36 00-2324	EA	6" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	58.42	7.51
26 05 36 00-2325	EA	9" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	60.90	8.80
26 05 36 00-2326	EA	12" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	67.66	10.44
26 05 36 00-2327	EA	18" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	79.87	12.79
26 05 36 00-2328	EA	24" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	88.47	16.55
26 05 36 00-2329	EA	30" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	93.43	18.89

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 36 00-2330	EA	36" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	112.42	22.53
26 05 36 00-2331 90 Degree, 24" Radius Vertical Risers (26 05 36 00-2266)				
26 05 36 00-2332	EA	6" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	66.51	8.33
26 05 36 00-2333	EA	9" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	73.55	9.74
26 05 36 00-2334	EA	12" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	81.64	11.74
26 05 36 00-2335	EA	18" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	98.37	14.08
26 05 36 00-2336	EA	24" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	112.21	18.19
26 05 36 00-2337	EA	30" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	141.44	21.71
26 05 36 00-2338	EA	36" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	157.43	25.59
26 05 36 00-2339 90 Degree, 36" Radius Vertical Risers (26 05 36 00-2266)				
26 05 36 00-2340	EA	6" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	76.44	9.39
26 05 36 00-2341	EA	9" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	92.97	10.79
26 05 36 00-2342	EA	12" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	108.94	13.38
26 05 36 00-2343	EA	18" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	130.12	14.90
26 05 36 00-2344	EA	24" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	158.76	20.78
26 05 36 00-2345	EA	30" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	197.67	24.53
26 05 36 00-2346	EA	36" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	215.41	28.16
26 05 36 00-2347 12" Radius Horizontal Tees (26 05 36 00-2266)				
26 05 36 00-2348	EA	6" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	95.33	12.21
26 05 36 00-2349	EA	9" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	103.05	14.08
26 05 36 00-2350	EA	12" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	116.47	16.55
26 05 36 00-2351	EA	18" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	136.70	18.78
26 05 36 00-2352	EA	24" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	169.57	21.71
26 05 36 00-2353	EA	30" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	208.90	31.22
26 05 36 00-2354	EA	36" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	252.06	37.45
26 05 36 00-2355 24" Radius Horizontal Tees (26 05 36 00-2266)				
26 05 36 00-2356	EA	6" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	143.07	12.79
26 05 36 00-2357	EA	9" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	160.54	14.90
26 05 36 00-2358	EA	12" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	181.46	17.61
26 05 36 00-2359	EA	18" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	211.47	20.19
26 05 36 00-2360	EA	24" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	322.26	23.47
26 05 36 00-2361	EA	30" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	372.39	35.21
26 05 36 00-2362	EA	36" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	420.95	43.31
26 05 36 00-2363 36" Radius Horizontal Tees (26 05 36 00-2266)				
26 05 36 00-2364	EA	6" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	244.67	13.38
26 05 36 00-2365	EA	9" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	253.11	15.61
26 05 36 00-2366	EA	12" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	281.79	18.78
26 05 36 00-2367	EA	18" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	319.44	21.71
26 05 36 00-2368	EA	24" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	403.20	25.59
26 05 36 00-2369	EA	30" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	472.19	40.37
26 05 36 00-2370	EA	36" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	541.54	51.06
26 05 36 00-2371 12" Radius Horizontal Crosses (26 05 36 00-2266)				
26 05 36 00-2372	EA	6" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	142.28	16.55
26 05 36 00-2373	EA	9" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	151.07	17.61
26 05 36 00-2374	EA	12" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	167.13	18.78
26 05 36 00-2375	EA	18" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	200.00	21.71
26 05 36 00-2376	EA	24" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	241.63	31.22
26 05 36 00-2377	EA	30" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	287.10	37.45
26 05 36 00-2378	EA	36" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	326.84	40.26
26 05 36 00-2379 24" Radius Horizontal Crosses (26 05 36 00-2266)				
26 05 36 00-2380	EA	6" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	254.09	17.61
26 05 36 00-2381	EA	9" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	272.44	18.78
26 05 36 00-2382	EA	12" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	293.39	20.19
26 05 36 00-2383	EA	18" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	340.98	23.47
26 05 36 00-2384	EA	24" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	419.15	35.21
26 05 36 00-2385	EA	30" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	493.42	43.31
26 05 36 00-2386	EA	36" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	534.52	46.83
26 05 36 00-2387 36" Radius Horizontal Crosses (26 05 36 00-2266)				
26 05 36 00-2388	EA	6" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	391.80	18.78
26 05 36 00-2389	EA	9" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	410.43	20.19
26 05 36 00-2390	EA	12" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	441.16	21.71
26 05 36 00-2391	EA	18" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	487.47	25.59
26 05 36 00-2392	EA	24" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	617.26	40.26
26 05 36 00-2393	EA	30" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	717.48	51.29
26 05 36 00-2394	EA	36" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	784.41	56.34

		TOTAL DIRECT		DEMOLITION
		UNIT COST		UNIT COST
MINOR	CSI UOM DESCRIPTION			
26 05 36 00-2395	Reducers (26 05 36 00-2266)			
26 05 36 00-2396	EA 9" To 6" Reducer, Aluminum Cable Tray Covers.....	72.03		8.80
26 05 36 00-2397	EA 12" To 6" Reducer, Aluminum Cable Tray Covers.....	77.06		10.44
26 05 36 00-2398	EA 12" To 9" Reducer, Aluminum Cable Tray Covers.....	77.06		10.44
26 05 36 00-2399	EA 18" To 6" Reducer, Aluminum Cable Tray Covers.....	86.88		12.79
26 05 36 00-2400	EA 18" To 12" Reducer, Aluminum Cable Tray Covers.....	86.88		12.79
26 05 36 00-2401	EA 24" To 12" Reducer, Aluminum Cable Tray Covers.....	96.03		14.08
26 05 36 00-2402	EA 24" To 18" Reducer, Aluminum Cable Tray Covers.....	105.36		14.08
26 05 36 00-2403	EA 30" To 12" Reducer, Aluminum Cable Tray Covers.....	111.12		16.08
26 05 36 00-2404	EA 30" To 18" Reducer, Aluminum Cable Tray Covers.....	114.60		16.08
26 05 36 00-2405	EA 30" To 24" Reducer, Aluminum Cable Tray Covers.....	117.00		16.08
26 05 36 00-2406	EA 36" To 12" Reducer, Aluminum Cable Tray Covers.....	122.91		17.61
26 05 36 00-2407	EA 36" To 18" Reducer, Aluminum Cable Tray Covers.....	125.25		17.61
26 05 36 00-2408	EA 36" To 24" Reducer, Aluminum Cable Tray Covers.....	126.42		17.61
26 05 36 00-2409	EA 36" To 30" Reducer, Aluminum Cable Tray Covers.....	127.59		17.61
26 05 36 00-2410	Galvanized Steel Dividers (26 05 36 00-2121)			
26 05 36 00-2411	Straight Dividers (26 05 36 00-2410)			
26 05 36 00-2412	LF 3" Deep Galvanized Steel Divider Strip, Straight.....	11.00		2.82
26 05 36 00-2413	LF 4" Deep Galvanized Steel Divider Strip, Straight.....	12.98		3.05
26 05 36 00-2414	LF 6" Deep Galvanized Steel Divider Strip, Straight.....	16.09		3.52
26 05 36 00-2415	3" Deep Vertical Dividers (26 05 36 00-2410)			
26 05 36 00-2416	EA Vertical Divider, 3" Deep, 12" Radius, 30 Degree, Steel Cable Tray.....	64.57		20.19
26 05 36 00-2417	EA Vertical Divider, 3" Deep, 12" Radius, 45 Degree, Steel Cable Tray.....	73.66		20.89
26 05 36 00-2418	EA Vertical Divider, 3" Deep, 12" Radius, 60 Degree, Steel Cable Tray.....	77.48		21.71
26 05 36 00-2419	EA Vertical Divider, 3" Deep, 12" Radius, 90 Degree, Steel Cable Tray.....	89.22		22.53
26 05 36 00-2420	EA Vertical Divider, 3" Deep, 24" Radius, 30 Degree, Steel Cable Tray.....	84.63		22.53
26 05 36 00-2421	EA Vertical Divider, 3" Deep, 24" Radius, 45 Degree, Steel Cable Tray.....	91.89		23.47
26 05 36 00-2422	EA Vertical Divider, 3" Deep, 24" Radius, 60 Degree, Steel Cable Tray.....	107.42		24.53
26 05 36 00-2423	EA Vertical Divider, 3" Deep, 24" Radius, 90 Degree, Steel Cable Tray.....	133.42		25.59
26 05 36 00-2424	EA Vertical Divider, 3" Deep, 36" Radius, 30 Degree, Steel Cable.....	105.87		25.59
26 05 36 00-2425	EA Vertical Divider, 3" Deep, 36" Radius, 45 Degree, Steel Cable Tray.....	118.18		26.88
26 05 36 00-2426	EA Vertical Divider, 3" Deep, 36" Radius, 60 Degree, Steel Cable Tray.....	133.05		28.16
26 05 36 00-2427	EA Vertical Divider, 3" Deep, 36" Radius, 90 Degree, Steel Cable Tray.....	168.80		29.70
26 05 36 00-2428	4" Deep Vertical Dividers (26 05 36 00-2410)			
26 05 36 00-2429	EA Vertical Divider, 4" Deep, 12" Radius, 30 Degree, Steel Cable Tray.....	74.23		20.89
26 05 36 00-2430	EA Vertical Divider, 4" Deep, 12" Radius, 45 Degree, Steel Cable Tray.....	82.07		21.71
26 05 36 00-2431	EA Vertical Divider, 4" Deep, 12" Radius, 60 Degree, Steel Cable Tray.....	89.22		22.53
26 05 36 00-2432	EA Vertical Divider, 4" Deep, 12" Radius, 90 Degree, Steel Cable Tray.....	102.22		23.47
26 05 36 00-2433	EA Vertical Divider, 4" Deep, 24" Radius, 30 Degree, Steel Cable Tray.....	102.22		23.47
26 05 36 00-2434	EA Vertical Divider, 4" Deep, 24" Radius, 45 Degree, Steel Cable Tray.....	120.05		24.53
26 05 36 00-2435	EA Vertical Divider, 4" Deep, 24" Radius, 60 Degree, Steel Cable Tray.....	132.27		25.59
26 05 36 00-2436	EA Vertical Divider, 4" Deep, 24" Radius, 90 Degree, Steel Cable Tray.....	164.10		26.88
26 05 36 00-2437	EA Vertical Divider, 4" Deep, 36" Radius, 30 Degree, Steel Cable Tray.....	114.31		24.53
26 05 36 00-2438	EA Vertical Divider, 4" Deep, 36" Radius, 45 Degree, Steel Cable Tray.....	126.53		25.59
26 05 36 00-2439	EA Vertical Divider, 4" Deep, 36" Radius, 60 Degree, Steel Cable Tray.....	150.32		26.88
26 05 36 00-2440	EA Vertical Divider, 4" Deep, 36" Radius, 90 Degree, Steel Cable Tray.....	190.45		28.16
26 05 36 00-2441	6" Deep Vertical Dividers (26 05 36 00-2410)			
26 05 36 00-2442	EA Vertical Divider, 6" Deep, 12" Radius, 30 Degree, Steel Cable Tray.....	82.13		23.47
26 05 36 00-2443	EA Vertical Divider, 6" Deep, 12" Radius, 45 Degree, Steel Cable Tray.....	89.05		24.53
26 05 36 00-2444	EA Vertical Divider, 6" Deep, 12" Radius, 60 Degree, Steel Cable Tray.....	97.83		25.59
26 05 36 00-2445	EA Vertical Divider, 6" Deep, 12" Radius, 90 Degree, Steel Cable Tray.....	113.59		26.88
26 05 36 00-2446	EA Vertical Divider, 6" Deep, 24" Radius, 30 Degree, Steel Cable Tray.....	103.98		24.53
26 05 36 00-2447	EA Vertical Divider, 6" Deep, 24" Radius, 45 Degree, Steel Cable Tray.....	121.94		25.59
26 05 36 00-2448	EA Vertical Divider, 6" Deep, 24" Radius, 60 Degree, Steel Cable Tray.....	135.40		26.88
26 05 36 00-2449	EA Vertical Divider, 6" Deep, 24" Radius, 90 Degree, Steel Cable Tray.....	166.34		28.16
26 05 36 00-2450	EA Vertical Divider, 6" Deep, 36" Radius, 30 Degree, Steel Cable Tray.....	116.20		25.59
26 05 36 00-2451	EA Vertical Divider, 6" Deep, 36" Radius, 45 Degree, Steel Cable Tray.....	135.40		26.88
26 05 36 00-2452	EA Vertical Divider, 6" Deep, 36" Radius, 60 Degree, Steel Cable Tray.....	166.34		28.16
26 05 36 00-2453	EA Vertical Divider, 6" Deep, 36" Radius, 90 Degree, Steel Cable Tray.....	203.24		29.70
26 05 36 00-2454	Horizontal Dividers (26 05 36 00-2410)			
26 05 36 00-2455	EA 3" Deep Horizontal Fitting Divider Strip, Steel Cable Tray.....	72.60		17.02
26 05 36 00-2456	EA 4" Deep Horizontal Fitting Divider Strip, Steel Cable Tray.....	80.70		18.78
26 05 36 00-2457	EA 6" Deep Horizontal Fitting Divider Strip, Steel Cable Tray.....	97.88		20.89
26 05 36 00-2458	Aluminum Dividers (26 05 36 00-2121)			
26 05 36 00-2459	Straight Dividers (26 05 36 00-2458)			
26 05 36 00-2460	LF 3" Deep Aluminum Divider Strip, Straight.....	10.90		2.70
26 05 36 00-2461	LF 4" Deep Aluminum Divider Strip, Straight.....	12.89		2.94
26 05 36 00-2462	LF 6" Deep Aluminum Divider Strip, Straight.....	15.94		3.29

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 36 00-2463		3" Deep Vertical Dividers (26 05 36 00-2458)			
26 05 36 00-2464	EA	Vertical Divider, 3" Deep, 12" Radius, 30 Degree, Aluminum Cable Tray.....	58.04		19.48
26 05 36 00-2465	EA	Vertical Divider, 3" Deep, 12" Radius, 45 Degree, Aluminum Cable Tray.....	63.81		20.19
26 05 36 00-2466	EA	Vertical Divider, 3" Deep, 12" Radius, 60 Degree, Aluminum Cable Tray.....	70.13		20.89
26 05 36 00-2467	EA	Vertical Divider, 3" Deep, 12" Radius, 90 Degree, Aluminum Cable Tray.....	80.95		21.71
26 05 36 00-2468	EA	Vertical Divider, 3" Deep, 24" Radius, 30 Degree, Aluminum Cable Tray.....	78.71		21.71
26 05 36 00-2469	EA	Vertical Divider, 3" Deep, 24" Radius, 45 Degree, Aluminum Cable Tray.....	86.84		22.53
26 05 36 00-2470	EA	Vertical Divider, 3" Deep, 24" Radius, 60 Degree, Aluminum Cable Tray.....	100.68		23.47
26 05 36 00-2471	EA	Vertical Divider, 3" Deep, 24" Radius, 90 Degree, Aluminum Cable Tray.....	124.84		24.53
26 05 36 00-2472	EA	Vertical Divider, 3" Deep, 36" Radius, 30 Degree, Aluminum Cable Tray.....	105.80		24.53
26 05 36 00-2473	EA	Vertical Divider, 3" Deep, 36" Radius, 45 Degree, Aluminum Cable Tray.....	126.73		25.59
26 05 36 00-2474	EA	Vertical Divider, 3" Deep, 36" Radius, 60 Degree, Aluminum Cable Tray.....	153.35		26.88
26 05 36 00-2475	EA	Vertical Divider, 3" Deep, 36" Radius, 90 Degree, Aluminum Cable Tray.....	189.19		28.16
26 05 36 00-2476		4" Deep Vertical Dividers (26 05 36 00-2458)			
26 05 36 00-2477	EA	Vertical Divider, 4" Deep, 12" Radius, 30 Degree, Aluminum Cable Tray.....	69.75		20.19
26 05 36 00-2478	EA	Vertical Divider, 4" Deep, 12" Radius, 45 Degree, Aluminum Cable Tray.....	76.74		20.89
26 05 36 00-2479	EA	Vertical Divider, 4" Deep, 12" Radius, 60 Degree, Aluminum Cable Tray.....	84.31		21.71
26 05 36 00-2480	EA	Vertical Divider, 4" Deep, 12" Radius, 90 Degree, Aluminum Cable Tray.....	94.68		22.53
26 05 36 00-2481	EA	Vertical Divider, 4" Deep, 24" Radius, 30 Degree, Aluminum Cable Tray.....	93.56		22.53
26 05 36 00-2482	EA	Vertical Divider, 4" Deep, 24" Radius, 45 Degree, Aluminum Cable Tray.....	108.52		23.47
26 05 36 00-2483	EA	Vertical Divider, 4" Deep, 24" Radius, 60 Degree, Aluminum Cable Tray.....	122.60		24.53
26 05 36 00-2484	EA	Vertical Divider, 4" Deep, 24" Radius, 90 Degree, Aluminum Cable Tray.....	154.73		25.59
26 05 36 00-2485	EA	Vertical Divider, 4" Deep, 36" Radius, 30 Degree, Aluminum Cable Tray.....	126.44		23.47
26 05 36 00-2486	EA	Vertical Divider, 4" Deep, 36" Radius, 45 Degree, Aluminum Cable Tray.....	152.84		24.53
26 05 36 00-2487	EA	Vertical Divider, 4" Deep, 36" Radius, 60 Degree, Aluminum Cable Tray.....	179.37		25.59
26 05 36 00-2488	EA	Vertical Divider, 4" Deep, 36" Radius, 90 Degree, Aluminum Cable Tray.....	217.19		26.88
26 05 36 00-2489		6" Deep Vertical Dividers (26 05 36 00-2458)			
26 05 36 00-2490	EA	Vertical Divider, 6" Deep, 12" Radius, 30 Degree, Aluminum Cable Tray.....	77.21		22.53
26 05 36 00-2491	EA	Vertical Divider, 6" Deep, 12" Radius, 45 Degree, Aluminum Cable Tray.....	86.12		23.47
26 05 36 00-2492	EA	Vertical Divider, 6" Deep, 12" Radius, 60 Degree, Aluminum Cable Tray.....	90.12		24.53
26 05 36 00-2493	EA	Vertical Divider, 6" Deep, 12" Radius, 90 Degree, Aluminum Cable Tray.....	100.97		25.59
26 05 36 00-2494	EA	Vertical Divider, 6" Deep, 24" Radius, 30 Degree, Aluminum Cable Tray.....	97.32		23.47
26 05 36 00-2495	EA	Vertical Divider, 6" Deep, 24" Radius, 45 Degree, Aluminum Cable Tray.....	120.36		24.53
26 05 36 00-2496	EA	Vertical Divider, 6" Deep, 24" Radius, 60 Degree, Aluminum Cable Tray.....	130.09		25.59
26 05 36 00-2497	EA	Vertical Divider, 6" Deep, 24" Radius, 90 Degree, Aluminum Cable Tray.....	163.43		26.88
26 05 36 00-2498	EA	Vertical Divider, 6" Deep, 36" Radius, 30 Degree, Aluminum Cable Tray.....	129.32		24.53
26 05 36 00-2499	EA	Vertical Divider, 6" Deep, 36" Radius, 45 Degree, Aluminum Cable Tray.....	161.45		25.59
26 05 36 00-2500	EA	Vertical Divider, 6" Deep, 36" Radius, 60 Degree, Aluminum Cable Tray.....	184.71		26.88
26 05 36 00-2501	EA	Vertical Divider, 6" Deep, 36" Radius, 90 Degree, Aluminum Cable Tray.....	214.95		28.16
26 05 36 00-2502		Horizontal Dividers (26 05 36 00-2458)			
26 05 36 00-2503	EA	3" Deep Horizontal Fitting Divider Strip, Aluminum Cable Tray	67.65		16.08
26 05 36 00-2504	EA	4" Deep Horizontal Fitting Divider Strip, Aluminum Cable Tray	74.15		17.61
26 05 36 00-2505	EA	6" Deep Horizontal Fitting Divider Strip, Aluminum Cable Tray	91.75		19.48
26 05 36 00-2506		Cable Tray Wall Brackets (26 05 36 00-0001)			
26 05 36 00-2507		Wall Brackets (26 05 36 00-2506)			
26 05 36 00-2508	EA	6" Wide Cable Tray Wall Bracket.....	89.08		23.47
26 05 36 00-2509	EA	9" Wide Cable Tray Wall Bracket.....	92.26		24.53
26 05 36 00-2510	EA	12" Wide Cable Tray Wall Bracket.....	101.30		25.59
26 05 36 00-2511	EA	18" Wide Cable Tray Wall Bracket.....	107.56		26.88
26 05 36 00-2512	EA	24" Wide Cable Tray Wall Bracket.....	116.94		28.16
26 05 36 00-2513	EA	30" Wide Cable Tray Wall Bracket.....	139.39		29.70
26 05 36 00-2514	EA	36" Wide Cable Tray Wall Bracket.....	167.09		31.69
26 05 36 00-2515		Triangle Wall Brackets (26 05 36 00-2506)			
26 05 36 00-2516	EA	6" Wide, Ladder Rack Triangle Wall Support (Hubbell HLTSB06B)	99.02		23.47
26 05 36 00-2517	EA	12" Wide, Ladder Rack Triangle Wall Support (Hubbell HLTSB12B)	114.03		25.59
26 05 36 00-2518	EA	18" Wide, Ladder Rack Triangle Wall Support (Hubbell HLTSB18B)	120.18		26.88
26 05 36 00-2519	EA	24" Wide Ladder Rack, Triangle Wall Support (Hubbell HLTSB24B)	125.93		28.16
26 05 36 00-2520		Cable Retaining Posts (26 05 36 00-0001)			
		Note: Includes mounting bracket and end cap.			
26 05 36 00-2521	EA	6" High, Cable Retaining Post (Hubbell HLP06B).....	36.13		4.70
26 05 36 00-2522	EA	8" High, Cable Retaining Post (Hubbell HLP08B).....	37.13		4.70
26 05 36 00-2523	EA	10" High, Cable Retaining Post (Hubbell HLP10B).....	38.46		4.70
26 05 36 00-2524		Fiberglass Cable Tray (26 05 36 00-0001)			
26 05 36 00-2525		Ladder Bottom Fiberglass Cable Tray (26 05 36 00-2524)			
		Note: Excludes hangers and support system.			
26 05 36 00-2526		Straight Tray Sections (26 05 36 00-2525)			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2527	LF		6" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	13.49	3.17
			For 6" Rung Spacing, Add	1.32	
			For 4" Rung Spacing, Add	2.42	
			For Vented Trough Bottom, Add	4.11	
			For Solid Bottom, Add	3.34	
			For 18" Rung Spacing, Deduct	-0.22	
			For 9" Rung Spacing, Add	0.31	
26 05 36 00-2528	LF		9" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	14.95	3.87
			For 6" Rung Spacing, Add	1.36	
			For 4" Rung Spacing, Add	2.50	
			For Vented Trough Bottom, Add	4.37	
			For Solid Bottom, Add	3.61	
			For 18" Rung Spacing, Deduct	-0.23	
			For 9" Rung Spacing, Add	0.32	
26 05 36 00-2529	LF		12" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	16.40	4.69
			For 6" Rung Spacing, Add	1.40	
			For 4" Rung Spacing, Add	2.57	
			For Vented Trough Bottom, Add	4.62	
			For Solid Bottom, Add	3.86	
			For 18" Rung Spacing, Deduct	-0.23	
			For 9" Rung Spacing, Add	0.33	
26 05 36 00-2530	LF		18" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	19.44	6.22
			For 6" Rung Spacing, Add	1.51	
			For 4" Rung Spacing, Add	2.76	
			For Vented Trough Bottom, Add	5.19	
			For Solid Bottom, Add	4.42	
			For 18" Rung Spacing, Deduct	-0.25	
			For 9" Rung Spacing, Add	0.35	
26 05 36 00-2531	LF		24" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	22.47	7.87
			For 6" Rung Spacing, Add	1.61	
			For 4" Rung Spacing, Add	2.95	
			For Vented Trough Bottom, Add	5.76	
			For Solid Bottom, Add	4.98	
			For 18" Rung Spacing, Deduct	-0.27	
			For 9" Rung Spacing, Add	0.38	
26 05 36 00-2532	LF		30" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	24.55	8.57
			For 6" Rung Spacing, Add	1.75	
			For 4" Rung Spacing, Add	3.20	
			For Vented Trough Bottom, Add	6.27	
			For Solid Bottom, Add	5.43	
			For 18" Rung Spacing, Deduct	-0.29	
			For 9" Rung Spacing, Add	0.41	
26 05 36 00-2533	LF		36" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	26.67	9.39
			For 6" Rung Spacing, Add	1.89	
			For 4" Rung Spacing, Add	3.46	
			For Vented Trough Bottom, Add	6.80	
			For Solid Bottom, Add	5.89	
			For 18" Rung Spacing, Deduct	-0.31	
			For 9" Rung Spacing, Add	0.44	
26 05 36 00-2534 90 Degree Horizontal Elbows (26 05 36 00-2525)					
26 05 36 00-2535	EA		6" Horizontal 90 Degree Elbow, Fiberglass Cable Tray.....	70.82	23.47
			For 6" Rung Spacing, Add	5.34	
			For 30 Degree Bend, Deduct	-26.63	
			For 4" Rung Spacing, Add	9.79	
			For 45 Degree Bend, Deduct	-20.95	
			For Vented Trough Bottom, Add	18.65	
			For Solid Bottom, Add	15.96	
			For 18" Rung Spacing, Deduct	-0.89	
			For 60 Degree Bend, Deduct	-15.27	
			For 9" Rung Spacing, Add	1.25	
26 05 36 00-2536	EA		9" Horizontal 90 Degree Elbow, Fiberglass Cable Tray.....	78.74	27.35
			For 6" Rung Spacing, Add	5.65	
			For 30 Degree Bend, Deduct	-28.93	
			For 4" Rung Spacing, Add	10.36	
			For 45 Degree Bend, Deduct	-22.73	
			For Vented Trough Bottom, Add	20.20	
			For Solid Bottom, Add	17.46	
			For 18" Rung Spacing, Deduct	-0.94	
			For 60 Degree Bend, Deduct	-16.54	
			For 9" Rung Spacing, Add	1.32	
26 05 36 00-2537	EA		12" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	91.35	34.39
			For 6" Rung Spacing, Add	5.96	
			For 30 Degree Bend, Deduct	-32.17	
			For 4" Rung Spacing, Add	10.92	
			For 45 Degree Bend, Deduct	-25.22	
			For Vented Trough Bottom, Add	22.34	
			For Solid Bottom, Add	19.66	
			For 18" Rung Spacing, Deduct	-0.99	
			For 60 Degree Bend, Deduct	-18.27	
			For 9" Rung Spacing, Add	1.39	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 36 00-2538	EA	18" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	107.80	41.54
		For 6" Rung Spacing, Add	6.84	
		For 30 Degree Bend, Deduct	-37.52	
		For 4" Rung Spacing, Add	12.54	
		For 45 Degree Bend, Deduct	-29.39	
		For Vented Trough Bottom, Add	26.02	
		For Solid Bottom, Add	23.01	
		For 18" Rung Spacing, Deduct	-1.14	
		For 60 Degree Bend, Deduct	-21.27	
		For 9" Rung Spacing, Add	1.60	
26 05 36 00-2539	EA	24" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	121.72	47.77
		For 6" Rung Spacing, Add	7.52	
		For 30 Degree Bend, Deduct	-41.89	
		For 4" Rung Spacing, Add	13.79	
		For 45 Degree Bend, Deduct	-32.80	
		For Vented Trough Bottom, Add	29.00	
		For Solid Bottom, Add	25.78	
		For 18" Rung Spacing, Deduct	-1.25	
		For 60 Degree Bend, Deduct	-23.70	
		For 9" Rung Spacing, Add	1.75	
26 05 36 00-2540	EA	30" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	133.91	50.94
		For 6" Rung Spacing, Add	8.64	
		For 30 Degree Bend, Deduct	-46.95	
		For 4" Rung Spacing, Add	15.85	
		For 45 Degree Bend, Deduct	-36.80	
		For Vented Trough Bottom, Add	32.58	
		For Solid Bottom, Add	28.73	
		For 18" Rung Spacing, Deduct	-1.44	
		For 60 Degree Bend, Deduct	-26.64	
		For 9" Rung Spacing, Add	2.02	
26 05 36 00-2541	EA	36" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	148.34	54.82
		For 6" Rung Spacing, Add	9.93	
		For 30 Degree Bend, Deduct	-52.83	
		For 4" Rung Spacing, Add	18.20	
		For 45 Degree Bend, Deduct	-41.44	
		For Vented Trough Bottom, Add	36.74	
		For Solid Bottom, Add	32.18	
		For 18" Rung Spacing, Deduct	-1.65	
		For 60 Degree Bend, Deduct	-30.06	
		For 9" Rung Spacing, Add	2.32	

26 05 36 00-2542 Inside Or Outside Vertical Risers (26 05 36 00-2525)

26 05 36 00-2543	EA	6" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray.....	108.03	23.47
		For 6" Rung Spacing, Add	10.92	
		For 30 Degree Bend, Deduct	-47.09	
		For 4" Rung Spacing, Add	20.03	
		For 45 Degree Bend, Deduct	-37.32	
		For Vented Trough Bottom, Add	33.53	
		For Solid Bottom, Add	27.13	
		For 18" Rung Spacing, Deduct	-1.82	
		For 60 Degree Bend, Deduct	-27.55	
		For 9" Rung Spacing, Add	2.55	
26 05 36 00-2544	EA	9" Vertical Inside Or Outside Riser 90, Fiberglass	114.93	27.35
		For 6" Rung Spacing, Add	11.08	
		For 30 Degree Bend, Deduct	-48.83	
		For 4" Rung Spacing, Add	20.31	
		For 45 Degree Bend, Deduct	-38.66	
		For Vented Trough Bottom, Add	34.68	
		For Solid Bottom, Add	28.32	
		For 18" Rung Spacing, Deduct	-1.85	
		For 60 Degree Bend, Deduct	-28.48	
		For 9" Rung Spacing, Add	2.58	
26 05 36 00-2545	EA	12" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray.....	126.51	34.39
		For 6" Rung Spacing, Add	11.23	
		For 30 Degree Bend, Deduct	-51.50	
		For 4" Rung Spacing, Add	20.59	
		For 45 Degree Bend, Deduct	-40.69	
		For Vented Trough Bottom, Add	36.40	
		For Solid Bottom, Add	30.21	
		For 18" Rung Spacing, Deduct	-1.87	
		For 60 Degree Bend, Deduct	-29.87	
		For 9" Rung Spacing, Add	2.62	
26 05 36 00-2546	EA	18" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray.....	139.33	41.54
		For 6" Rung Spacing, Add	11.57	
		For 30 Degree Bend, Deduct	-54.86	
		For 4" Rung Spacing, Add	21.21	
		For 45 Degree Bend, Deduct	-43.27	
		For Vented Trough Bottom, Add	38.63	
		For Solid Bottom, Add	32.47	
		For 18" Rung Spacing, Deduct	-1.93	
		For 60 Degree Bend, Deduct	-31.67	
		For 9" Rung Spacing, Add	2.70	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2547	EA		24" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	150.76	47.77
			For 6" Rung Spacing, Add	11.88	
			For 30 Degree Bend, Deduct	-57.86	
			For 4" Rung Spacing, Add	21.77	
			For 45 Degree Bend, Deduct	-45.57	
			For Vented Trough Bottom, Add	40.62	
			For Solid Bottom, Add	34.49	
			For 18" Rung Spacing, Deduct	-1.98	
			For 60 Degree Bend, Deduct	-33.29	
			For 9" Rung Spacing, Add	2.77	
26 05 36 00-2548	EA		30" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	157.50	50.94
			For 6" Rung Spacing, Add	12.18	
			For 30 Degree Bend, Deduct	-59.92	
			For 4" Rung Spacing, Add	22.33	
			For 45 Degree Bend, Deduct	-47.18	
			For Vented Trough Bottom, Add	42.02	
			For Solid Bottom, Add	35.81	
			For 18" Rung Spacing, Deduct	-2.03	
			For 60 Degree Bend, Deduct	-34.43	
			For 9" Rung Spacing, Add	2.84	
26 05 36 00-2549	EA		36" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	171.87	54.82
			For 6" Rung Spacing, Add	13.46	
			For 30 Degree Bend, Deduct	-65.77	
			For 4" Rung Spacing, Add	24.67	
			For 45 Degree Bend, Deduct	-51.80	
			For Vented Trough Bottom, Add	46.15	
			For Solid Bottom, Add	39.24	
			For 18" Rung Spacing, Deduct	-2.24	
			For 60 Degree Bend, Deduct	-37.82	
			For 9" Rung Spacing, Add	3.14	
26 05 36 00-2550 Horizontal Tees (26 05 36 00-2525)					
26 05 36 00-2551	EA		6" Horizontal Tee, Fiberglass Cable Tray	150.87	58.68
			For 6" Rung Spacing, Add	9.43	
			For 4" Rung Spacing, Add	17.28	
			For Vented Trough Bottom, Add	36.14	
			For Solid Bottom, Add	32.06	
			For 18" Rung Spacing, Deduct	-1.57	
			For 9" Rung Spacing, Add	2.20	
26 05 36 00-2552	EA		9" Horizontal Tee, Fiberglass Cable Tray	168.62	68.90
			For 6" Rung Spacing, Add	9.80	
			For 4" Rung Spacing, Add	17.96	
			For Vented Trough Bottom, Add	39.04	
			For Solid Bottom, Add	35.09	
			For 18" Rung Spacing, Deduct	-1.63	
			For 9" Rung Spacing, Add	2.29	
26 05 36 00-2553	EA		12" Horizontal Tee, Fiberglass Cable Tray	191.07	82.16
			For 6" Rung Spacing, Add	10.17	
			For 4" Rung Spacing, Add	18.65	
			For Vented Trough Bottom, Add	42.54	
			For Solid Bottom, Add	38.84	
			For 18" Rung Spacing, Deduct	-1.70	
			For 9" Rung Spacing, Add	2.37	
26 05 36 00-2554	EA		18" Horizontal Tee, Fiberglass Cable Tray	213.13	92.37
			For 6" Rung Spacing, Add	11.19	
			For 4" Rung Spacing, Add	20.52	
			For Vented Trough Bottom, Add	47.16	
			For Solid Bottom, Add	43.16	
			For 18" Rung Spacing, Deduct	-1.87	
			For 9" Rung Spacing, Add	2.61	
26 05 36 00-2555	EA		24" Horizontal Tee, Fiberglass Cable Tray	224.45	96.25
			For 6" Rung Spacing, Add	12.01	
			For 4" Rung Spacing, Add	22.02	
			For Vented Trough Bottom, Add	50.08	
			For Solid Bottom, Add	45.68	
			For 18" Rung Spacing, Deduct	-2.00	
			For 9" Rung Spacing, Add	2.80	
26 05 36 00-2556	EA		30" Horizontal Tee, Fiberglass Cable Tray	241.05	101.76
			For 6" Rung Spacing, Add	13.27	
			For 4" Rung Spacing, Add	24.33	
			For Vented Trough Bottom, Add	54.46	
			For Solid Bottom, Add	49.43	
			For 18" Rung Spacing, Deduct	-2.21	
			For 9" Rung Spacing, Add	3.10	
26 05 36 00-2557	EA		36" Horizontal Tee, Fiberglass Cable Tray	262.07	109.63
			For 6" Rung Spacing, Add	14.66	
			For 4" Rung Spacing, Add	26.88	
			For Vented Trough Bottom, Add	59.64	
			For Solid Bottom, Add	53.97	
			For 18" Rung Spacing, Deduct	-2.44	
			For 9" Rung Spacing, Add	3.42	
26 05 36 00-2558 Horizontal Crosses (26 05 36 00-2525)					

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 36 00-2559	EA	6" Horizontal Cross, Fiberglass Cable Tray	233.11	101.76
		For 6" Rung Spacing, Add	12.08	
		For 4" Rung Spacing, Add	22.15	
		For Vented Trough Bottom, Add	51.28	
		For Solid Bottom, Add	47.05	
		For 18" Rung Spacing, Deduct	-2.01	
		For 9" Rung Spacing, Add	2.82	
26 05 36 00-2560	EA	9" Horizontal Cross, Fiberglass Cable Tray	247.24	109.63
		For 6" Rung Spacing, Add	12.44	
		For 4" Rung Spacing, Add	22.80	
		For Vented Trough Bottom, Add	53.71	
		For Solid Bottom, Add	49.52	
		For 18" Rung Spacing, Deduct	-2.07	
		For 9" Rung Spacing, Add	2.90	
26 05 36 00-2561	EA	12" Horizontal Cross, Fiberglass Cable Tray	261.35	117.49
		For 6" Rung Spacing, Add	12.79	
		For 4" Rung Spacing, Add	23.45	
		For Vented Trough Bottom, Add	56.12	
		For Solid Bottom, Add	52.00	
		For 18" Rung Spacing, Deduct	-2.13	
		For 9" Rung Spacing, Add	2.99	
26 05 36 00-2562	EA	18" Horizontal Cross, Fiberglass Cable Tray	279.90	125.24
		For 6" Rung Spacing, Add	13.82	
		For 4" Rung Spacing, Add	25.33	
		For Vented Trough Bottom, Add	60.32	
		For Solid Bottom, Add	55.80	
		For 18" Rung Spacing, Deduct	-2.30	
		For 9" Rung Spacing, Add	3.22	
26 05 36 00-2563	EA	24" Horizontal Cross, Fiberglass Cable Tray	296.86	133.10
		For 6" Rung Spacing, Add	14.60	
		For 4" Rung Spacing, Add	26.76	
		For Vented Trough Bottom, Add	63.87	
		For Solid Bottom, Add	59.13	
		For 18" Rung Spacing, Deduct	-2.43	
		For 9" Rung Spacing, Add	3.41	
26 05 36 00-2564	EA	30" Horizontal Cross, Fiberglass Cable Tray	317.21	140.96
		For 6" Rung Spacing, Add	15.89	
		For 4" Rung Spacing, Add	29.13	
		For Vented Trough Bottom, Add	68.78	
		For Solid Bottom, Add	63.47	
		For 18" Rung Spacing, Deduct	-2.65	
		For 9" Rung Spacing, Add	3.71	
26 05 36 00-2565	EA	36" Horizontal Cross, Fiberglass Cable Tray	343.57	151.05
		For 6" Rung Spacing, Add	17.55	
		For 4" Rung Spacing, Add	32.18	
		For Vented Trough Bottom, Add	75.13	
		For Solid Bottom, Add	69.09	
		For 18" Rung Spacing, Deduct	-2.93	
		For 9" Rung Spacing, Add	4.10	

26 05 36 00-2566 Horizontal Wyes (26 05 36 00-2525)

26 05 36 00-2567	EA	6" Horizontal Wye, Fiberglass Cable Tray	144.51	58.68
		For 6" Rung Spacing, Add	8.47	
		For 4" Rung Spacing, Add	15.53	
		For Vented Trough Bottom, Add	33.60	
		For Solid Bottom, Add	30.15	
		For 18" Rung Spacing, Deduct	-1.41	
		For 9" Rung Spacing, Add	1.98	
26 05 36 00-2568	EA	9" Horizontal Wye, Fiberglass Cable Tray	152.67	62.67
		For 6" Rung Spacing, Add	8.82	
		For 4" Rung Spacing, Add	16.16	
		For Vented Trough Bottom, Add	35.25	
		For Solid Bottom, Add	31.72	
		For 18" Rung Spacing, Deduct	-1.47	
		For 9" Rung Spacing, Add	2.06	
26 05 36 00-2569	EA	12" Horizontal Wye, Fiberglass Cable Tray	184.26	82.16
		For 6" Rung Spacing, Add	9.15	
		For 4" Rung Spacing, Add	16.78	
		For Vented Trough Bottom, Add	39.81	
		For Solid Bottom, Add	36.79	
		For 18" Rung Spacing, Deduct	-1.53	
		For 9" Rung Spacing, Add	2.14	
26 05 36 00-2570	EA	18" Horizontal Wye, Fiberglass Cable Tray	205.66	92.37
		For 6" Rung Spacing, Add	10.07	
		For 4" Rung Spacing, Add	18.47	
		For Vented Trough Bottom, Add	44.17	
		For Solid Bottom, Add	40.92	
		For 18" Rung Spacing, Deduct	-1.68	
		For 9" Rung Spacing, Add	2.35	
26 05 36 00-2571	EA	24" Horizontal Wye, Fiberglass Cable Tray	216.28	96.25
		For 6" Rung Spacing, Add	10.79	
		For 4" Rung Spacing, Add	19.78	
		For Vented Trough Bottom, Add	46.81	
		For Solid Bottom, Add	43.23	
		For 18" Rung Spacing, Deduct	-1.80	
		For 9" Rung Spacing, Add	2.52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2572	EA		30" Horizontal Wye, Fiberglass Cable Tray	232.20	101.76
			For 6" Rung Spacing, Add	11.94	
			For 4" Rung Spacing, Add	21.90	
			For Vented Trough Bottom, Add	50.92	
			For Solid Bottom, Add	46.77	
			For 18" Rung Spacing, Deduct	-1.99	
			For 9" Rung Spacing, Add	2.79	
26 05 36 00-2573	EA		36" Horizontal Wye, Fiberglass Cable Tray	252.30	109.63
			For 6" Rung Spacing, Add	13.20	
			For 4" Rung Spacing, Add	24.19	
			For Vented Trough Bottom, Add	55.73	
			For Solid Bottom, Add	51.04	
			For 18" Rung Spacing, Deduct	-2.20	
			For 9" Rung Spacing, Add	3.08	
26 05 36 00-2574 Straight Reducers (26 05 36 00-2525)					
26 05 36 00-2575	EA		9" To 6" Reducer, Fiberglass Cable Tray	67.20	23.47
			For 6" Rung Spacing, Add	4.80	
			For 4" Rung Spacing, Add	8.80	
			For Vented Trough Bottom, Add	17.20	
			For Solid Bottom, Add	14.88	
			For 18" Rung Spacing, Deduct	-0.80	
			For 9" Rung Spacing, Add	1.12	
26 05 36 00-2576	EA		12" To 9" Reducer, Fiberglass Cable Tray	73.53	27.35
			For 6" Rung Spacing, Add	4.87	
			For 4" Rung Spacing, Add	8.92	
			For Vented Trough Bottom, Add	18.12	
			For Solid Bottom, Add	15.90	
			For 18" Rung Spacing, Deduct	-0.81	
			For 9" Rung Spacing, Add	1.14	
26 05 36 00-2577	EA		18" To 12" Reducer, Fiberglass Cable Tray	79.84	31.34
			For 6" Rung Spacing, Add	4.93	
			For 4" Rung Spacing, Add	9.04	
			For Vented Trough Bottom, Add	19.02	
			For Solid Bottom, Add	16.91	
			For 18" Rung Spacing, Deduct	-0.82	
			For 9" Rung Spacing, Add	1.15	
26 05 36 00-2578	EA		24" To 18" Reducer, Fiberglass Cable Tray	85.68	34.39
			For 6" Rung Spacing, Add	5.10	
			For 4" Rung Spacing, Add	9.36	
			For Vented Trough Bottom, Add	20.07	
			For Solid Bottom, Add	17.96	
			For 18" Rung Spacing, Deduct	-0.85	
			For 9" Rung Spacing, Add	1.19	
26 05 36 00-2579	EA		30" To 24" Reducer, Fiberglass Cable Tray	96.04	37.56
			For 6" Rung Spacing, Add	5.96	
			For 4" Rung Spacing, Add	10.92	
			For Vented Trough Bottom, Add	22.92	
			For Solid Bottom, Add	20.36	
			For 18" Rung Spacing, Deduct	-0.99	
			For 9" Rung Spacing, Add	1.39	
26 05 36 00-2580	EA		36" To 30" Reducer, Fiberglass Cable Tray	108.31	41.54
			For 6" Rung Spacing, Add	6.92	
			For 4" Rung Spacing, Add	12.68	
			For Vented Trough Bottom, Add	26.22	
			For Solid Bottom, Add	23.16	
			For 18" Rung Spacing, Deduct	-1.15	
			For 9" Rung Spacing, Add	1.61	
26 05 36 00-2581 Vertical Tees (26 05 36 00-2525)					
26 05 36 00-2582	EA		6" Vertical Tee, Fiberglass Cable Tray	208.03	58.68
			For 6" Rung Spacing, Add	18.00	
			For 4" Rung Spacing, Add	33.00	
			For Vented Trough Bottom, Add	59.00	
			For Solid Bottom, Add	49.20	
			For 18" Rung Spacing, Deduct	-3.00	
			For 9" Rung Spacing, Add	4.20	
26 05 36 00-2583	EA		9" Vertical Tee, Fiberglass Cable Tray	215.38	62.67
			For 6" Rung Spacing, Add	18.22	
			For 4" Rung Spacing, Add	33.41	
			For Vented Trough Bottom, Add	60.33	
			For Solid Bottom, Add	50.53	
			For 18" Rung Spacing, Deduct	-3.04	
			For 9" Rung Spacing, Add	4.25	
26 05 36 00-2584	EA		12" Vertical Tee, Fiberglass Cable Tray	246.19	82.16
			For 6" Rung Spacing, Add	18.44	
			For 4" Rung Spacing, Add	33.81	
			For Vented Trough Bottom, Add	64.59	
			For Solid Bottom, Add	55.37	
			For 18" Rung Spacing, Deduct	-3.07	
			For 9" Rung Spacing, Add	4.30	
26 05 36 00-2585	EA		18" Vertical Tee, Fiberglass Cable Tray	264.86	92.37
			For 6" Rung Spacing, Add	18.95	
			For 4" Rung Spacing, Add	34.75	
			For Vented Trough Bottom, Add	67.85	
			For Solid Bottom, Add	58.68	
			For 18" Rung Spacing, Deduct	-3.16	
			For 9" Rung Spacing, Add	4.42	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 36 00-2586	EA	24" Vertical Tee, Fiberglass Cable Tray	273.90	96.25
		For 6" Rung Spacing, Add	19.43	
		For 4" Rung Spacing, Add	35.62	
		For Vented Trough Bottom, Add	69.86	
		For Solid Bottom, Add	60.51	
		For 18" Rung Spacing, Deduct	-3.24	
		For 9" Rung Spacing, Add	4.53	
26 05 36 00-2587	EA	30" Vertical Tee, Fiberglass Cable Tray	285.06	101.76
		For 6" Rung Spacing, Add	19.87	
		For 4" Rung Spacing, Add	36.43	
		For Vented Trough Bottom, Add	72.06	
		For Solid Bottom, Add	62.63	
		For 18" Rung Spacing, Deduct	-3.31	
		For 9" Rung Spacing, Add	4.64	
26 05 36 00-2588	EA	36" Vertical Tee, Fiberglass Cable Tray	310.69	109.63
		For 6" Rung Spacing, Add	21.95	
		For 4" Rung Spacing, Add	40.25	
		For Vented Trough Bottom, Add	79.09	
		For Solid Bottom, Add	68.56	
		For 18" Rung Spacing, Deduct	-3.66	
		For 9" Rung Spacing, Add	5.12	

26 05 36 00-2589 Flextray™ Cable Tray (26 05 36 00-0001)**26 05 36 00-2590 Flextray™ Cable Tray Straight Sections (26 05 36 00-2589)**

Note: Includes splicing and splice bars.

26 05 36 00-2591	LF	2" Deep x 2" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	23.35	7.40
26 05 36 00-2592	LF	2" Deep x 4" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	29.31	7.89
26 05 36 00-2593	LF	2" Deep x 6" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	30.79	8.24
26 05 36 00-2594	LF	2" Deep x 8" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	32.36	8.66
26 05 36 00-2595	LF	2" Deep x 12" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	34.66	9.08
26 05 36 00-2596	LF	2" Deep x 16" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	37.23	9.51
26 05 36 00-2597	LF	2" Deep x 18" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	38.08	9.93
26 05 36 00-2598	LF	2" Deep x 20" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	39.53	10.21
26 05 36 00-2599	LF	2" Deep x 24" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	40.38	10.49
26 05 36 00-2600	LF	4" Deep x 4" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	30.59	8.69
26 05 36 00-2601	LF	4" Deep x 6" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	33.29	9.04
26 05 36 00-2602	LF	4" Deep x 8" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	36.10	9.51
26 05 36 00-2603	LF	4" Deep x 12" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	38.33	9.97
26 05 36 00-2604	LF	4" Deep x 16" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	40.78	10.44
26 05 36 00-2605	LF	4" Deep x 18" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	44.05	10.91
26 05 36 00-2606	LF	4" Deep x 20" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	46.63	11.27
26 05 36 00-2607	LF	4" Deep x 24" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	48.50	11.51
26 05 36 00-2608	LF	4" Deep x 30" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	61.67	12.33
26 05 36 00-2609	LF	6" Deep x 8" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	40.09	10.44
26 05 36 00-2610	LF	6" Deep x 12" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	45.56	10.91
26 05 36 00-2611	LF	6" Deep x 16" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	47.66	11.39
26 05 36 00-2612	LF	6" Deep x 18" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	51.37	11.97
26 05 36 00-2613	LF	6" Deep x 20" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	53.04	12.21
26 05 36 00-2614	LF	6" Deep x 24" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	64.88	12.56

26 05 36 00-2615 Flextray™ Cable Tray Bends (26 05 36 00-2589)

Note: Includes field fabricated bend and 90 degree kit.

26 05 36 00-2616	EA	2" Deep x 2" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	17.54	5.51
		Note: Field Fabricated		
26 05 36 00-2617	EA	2" Deep x 4" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	21.99	5.87
		Note: Field Fabricated		
26 05 36 00-2618	EA	2" Deep x 6" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	30.79	8.22
		Note: Field Fabricated		
26 05 36 00-2619	EA	2" Deep x 8" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	48.60	13.03
		Note: Field Fabricated		
26 05 36 00-2620	EA	2" Deep x 12" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	69.33	18.19
		Note: Field Fabricated		
26 05 36 00-2621	EA	2" Deep x 16" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	93.11	23.82
		Note: Field Fabricated		
26 05 36 00-2622	EA	2" Deep x 18" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	106.71	29.81
		Note: Field Fabricated		
26 05 36 00-2623	EA	2" Deep x 20" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	127.17	35.80
		Note: Field Fabricated		
26 05 36 00-2624	EA	2" Deep x 24" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	161.54	42.02
		Note: Field Fabricated		
26 05 36 00-2625	EA	4" Deep x 4" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	22.89	6.45
		Note: Field Fabricated		
26 05 36 00-2626	EA	4" Deep x 6" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	33.33	9.04
		Note: Field Fabricated		
26 05 36 00-2627	EA	4" Deep x 8" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	54.14	14.32
		Note: Field Fabricated		
26 05 36 00-2628	EA	4" Deep x 12" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	76.68	19.96
		Note: Field Fabricated		
26 05 36 00-2629	EA	4" Deep x 16" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	101.92	26.17
		Note: Field Fabricated		
26 05 36 00-2630	EA	4" Deep x 18" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	123.09	32.74
		Note: Field Fabricated		
26 05 36 00-2631	EA	4" Deep x 20" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	149.19	39.32
		Note: Field Fabricated		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2632	EA	4" Deep x 24" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish..... Note: Field Fabricated	194.06	46.13
26 05 36 00-2633	EA	4" Deep x 30" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish..... Note: Field Fabricated	308.44	61.62
26 05 36 00-2634	EA	6" Deep x 8" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish..... Note: Field Fabricated	60.09	15.61
26 05 36 00-2635	EA	6" Deep x 12" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish..... Note: Field Fabricated	91.15	21.83
26 05 36 00-2636	EA	6" Deep x 16" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish..... Note: Field Fabricated	119.17	28.53
26 05 36 00-2637	EA	6" Deep x 18" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish..... Note: Field Fabricated	143.12	35.80
26 05 36 00-2638	EA	6" Deep x 20" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish..... Note: Field Fabricated	169.30	42.84
26 05 36 00-2639	EA	6" Deep x 24" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish..... Note: Field Fabricated	259.49	50.35
26 05 36 00-2640 Flextray™ Cable Tray Brackets (26 05 36 00-2589)				
26 05 36 00-2641	EA	6" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™.....	43.75	15.50
26 05 36 00-2642	EA	8" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™.....	46.71	15.50
26 05 36 00-2643	EA	12" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™.....	51.76	15.50
26 05 36 00-2644	EA	16" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™.....	63.29	16.90
26 05 36 00-2645	EA	18" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™.....	67.70	16.90
26 05 36 00-2646	EA	20" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™.....	69.18	16.90
26 05 36 00-2647	EA	24" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™.....	70.49	16.90
26 05 39 Underfloor Raceways for Electrical Systems (26 05)				
26 05 39 00-0001		Underfloor Ducts (26 05 39)		
26 05 39 00-0002		Straight Duct Sections 10' Long, 14 Gauge Steel (26 05 39 00-0001)		
26 05 39 00-0003		Standard Ducts, 3.8 Square Inches (26 05 39 00-0002)		
26 05 39 00-0004	EA	Standard Underfloor Straight Duct Blank Without Inserts, 10' Long, 14 Gauge, 3.8 Square Inches.....	111.33	20.66
26 05 39 00-0005	EA	Standard Underfloor Straight Duct With 7/8" Inserts On 24" Centers, 10' Long, 14 Gauge, 3.8 Square Inches.....	140.95	24.18
26 05 39 00-0006		Large Capacity Ducts, 8.9 Square Inches (26 05 39 00-0002)		
26 05 39 00-0007	EA	Large Capacity Underfloor Straight Duct Blank Without Inserts, 10' Long, 14 Gauge, 8.9 Square Inches.....	189.03	26.17
26 05 39 00-0008	EA	Large Capacity Underfloor Straight Duct With 7/8" Inserts On 24" Centers, 10' Long, 14 Gauge, 8.9 Square Inches.....	216.96	28.99
26 05 39 00-0009		Junction Boxes (26 05 39 00-0001)		
26 05 39 00-0010		One Level Junction Boxes (26 05 39 00-0009)		
26 05 39 00-0011	EA	1 Level UF Duct Junction Box, 1 Standard Duct Without Partitions In Box.....	287.63	41.08
26 05 39 00-0012	EA	1 Level UF Duct Junction Box, 1 Large Duct Without Partitions In Box.....	326.73	44.01
26 05 39 00-0013	EA	1 Level UF Duct Junction Box, 1 Standard And Large Duct Per Side With Partitions In Box..... Note: Isolate each duct and form a continuous raceway through the box in both directions.	538.35	41.08
26 05 39 00-0014	EA	1 Level UF Duct Junction Box, 2 Standard Ducts Per Side With Partitions In Box.....	359.43	44.01
26 05 39 00-0015	EA	1 Level UF Duct Junction Box, 3 Standard Ducts Per Side With Partitions In Box.....	575.63	57.86
26 05 39 00-0016	EA	1 Level UF Duct Junction Box, 2 Large Ducts Per Side With Partitions In Box Duct.....	815.59	62.91
26 05 39 00-0017		Two Level Junction Boxes (26 05 39 00-0009)		
26 05 39 00-0018	EA	2 Level UF Duct Junction Box, 2 Standard Duct Cross, Intersects At Right Angles, Raceway Bottom Level..... Note: Accepts two standard ducts to form a continuous raceway at right angles to the top level raceway.	1,265.99	41.54
26 05 39 00-0019	EA	2 Level UF Duct Junction Box, 2 Large Duct Bottom Level: Accepts Two Large Capacity Ducts.....	1,458.26	44.01
26 05 39 00-0020		Elbow Fittings (26 05 39 00-0001)		
26 05 39 00-0021		90 Degree Horizontal Elbow (26 05 39 00-0020)		
26 05 39 00-0022	EA	Underfloor Standard Duct Horizontal Elbow Fitting, 90 Degree.....	142.63	15.14
26 05 39 00-0023	EA	Underfloor Large Duct Horizontal Elbow Fitting, 90 Degree.....	147.12	15.14
26 05 39 00-0024		90 Degree Vertical Elbow (26 05 39 00-0020)		
26 05 39 00-0025	EA	Underfloor Standard Duct Vertical Elbow Fitting, 90 Degree.....	77.22	15.14
26 05 39 00-0026	EA	Underfloor Large Duct Vertical Elbow Fitting, 90 Degree.....	79.02	15.14
26 05 39 00-0027		Offset Elbow (26 05 39 00-0020) Note: Two elbows required for crossover or crossunder.		
26 05 39 00-0028	EA	Underfloor Standard Duct Offset Elbow 45 Degree, 2 Required For Over-Under.....	77.22	17.61
26 05 39 00-0029	EA	Underfloor Large Duct Offset Elbow 45 Degree, 2 Required For Over-Under.....	79.02	17.61
26 05 39 00-0030		Couplings (26 05 39 00-0001)		
26 05 39 00-0031		Sleeve Couplings (26 05 39 00-0030)		
26 05 39 00-0032	EA	Underfloor Standard Duct Sleeve Coupling.....	47.12	23.47
26 05 39 00-0033	EA	Underfloor Large Duct Sleeve Coupling.....	72.48	23.47

26 Electrical**26 05 Common Work Results for Electrical****26 05 39 Underfloor Raceways for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 39 00-0034		Expansion Couplings (26 05 39 00-0030)		
26 05 39 00-0035	EA	Underfloor Standard Duct Expansion Coupling	109.46	23.47
26 05 39 00-0036	EA	Underfloor Large Duct Expansion Coupling	111.70	24.77
26 05 39 00-0037		Reducing Couplings (26 05 39 00-0030)		
26 05 39 00-0038	EA	Reducing Coupling, Large To Standard Duct Underfloor Duct Coupling	114.50	3.52
26 05 39 00-0039		Duct Supports (26 05 39 00-0001)		
26 05 39 00-0040		Combination Support And Coupling (26 05 39 00-0039)		
		Note: Includes leveling legs and anchoring feet.		
26 05 39 00-0041	EA	1 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	107.60	49.29
26 05 39 00-0042	EA	2 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	119.61	49.29
26 05 39 00-0043	EA	3 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	131.70	49.29
26 05 39 00-0044	EA	1 Large Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	119.61	55.17
26 05 39 00-0045	EA	2 Large Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	144.06	55.17
26 05 39 00-0046	EA	1 Standard And 1 Large Duct Support And Coupling With Leveling Legs And Anchor Feet	131.70	58.68
26 05 39 00-0047	EA	2 Standard And 1 Large Duct Support And Coupling With Leveling Legs And Anchor Feet	131.70	58.68
26 05 39 00-0048	EA	1 Standard And 2 Large Duct Support And Coupling With Leveling Legs And Anchor Feet	144.06	58.68
26 05 39 00-0049		Duct Support Only (26 05 39 00-0039)		
		Note: Includes leveling legs and anchoring feet.		
26 05 39 00-0050	EA	1 Underfloor Duct Support Only With Leveling Legs And Anchor Feet	97.63	43.43
26 05 39 00-0051	EA	2 Underfloor Duct Support Only With Leveling Legs And Anchor Feet	114.98	43.43
26 05 39 00-0052	EA	3 Underfloor Duct Support Only With Leveling Legs And Anchor Feet	133.85	43.43
26 05 39 00-0053		Underfloor Duct Accessories (26 05 39 00-0001)		
26 05 39 00-0054		Plugs For Unused Junction Box Openings And Duct Ends (26 05 39 00-0053)		
26 05 39 00-0055	EA	Standard Plugs For Unused Junction Box Opening And Underfloor Duct Ends	29.68	3.52
26 05 39 00-0056	EA	Large Plugs For Unused Junction Box Opening And Underfloor Duct Ends	30.30	3.52
26 05 39 00-0057		Conduit Adapters (26 05 39 00-0053)		
26 05 39 00-0058	EA	One 1-1/4" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter	42.48	5.87
26 05 39 00-0059	EA	Two 1-1/4" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter	45.04	5.87
26 05 39 00-0060	EA	One 2" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter	43.69	5.87
26 05 39 00-0061	EA	Three 1-1/4" Conduit To Large Duct Underfloor Conduit To Duct, Adapter	44.93	5.87
26 05 39 00-0062		Holders And Caps (26 05 39 00-0053)		
26 05 39 00-0063	EA	Tile Holder, Underfloor Duct Accessories	268.73	49.29
26 05 39 00-0064	EA	Terrazzo Holder, Underfloor Duct Accessories	527.83	49.29
26 05 39 00-0065	EA	Closing Caps For Inserts, Underfloor Duct Accessories	3.42	1.17
26 05 39 00-0066		Underfloor Dust Pans (26 05 39 00-0001)		
26 05 39 00-0067	EA	Underfloor Dust Carpet Pan	121.85	6.44

26 05 43 Underground Ducts and Raceways for Electrical Systems (26 05)

Note: Includes warning tape. See CSI section 33 71 19 23-0000 for underground trenched ductbank.

26 05 43 00-0001		Precast Concrete Trenches, One Piece Pedestrian Trench (26 05 43)		
		Note: Rated for 200 PSF Pedestrian Weight. Excludes excavation, removal of dirt and sand bedding.		
26 05 43 00-0002		10" Wide Pedestrian Trench (26 05 43 00-0001)		
26 05 43 00-0003	LF	Base, Solid Bottom 10" Wide x 15" Deep Pedestrian Trench	91.49	
26 05 43 00-0004	LF	Base, Open Bottom 10" Wide x 15" Deep Pedestrian Trench	87.46	
26 05 43 00-0005	LF	Base, Solid Bottom 10" Wide x 24" Deep Pedestrian Trench	127.07	
26 05 43 00-0006	LF	Base, Open Bottom 10" Wide x 24" Deep Pedestrian Trench	121.47	
26 05 43 00-0007	EA	End Wall, 10" Wide x 15" Deep Pedestrian Trench	61.63	
26 05 43 00-0008	EA	End Wall, 10" Wide x 24" Deep Pedestrian Trench	72.85	
26 05 43 00-0009	LF	Lid, Concrete, 10" Wide Pedestrian Trench	61.00	
26 05 43 00-0010		20" Wide Pedestrian Trench (26 05 43 00-0001)		
26 05 43 00-0011	LF	Base, Solid Bottom 20" Wide x 15" Deep Pedestrian Trench	115.87	
26 05 43 00-0012	LF	Base, Open Bottom 20" Wide x 15" Deep Pedestrian Trench	108.74	
26 05 43 00-0013	LF	Base, Solid Bottom 20" Wide x 24" Deep Pedestrian Trench	156.89	
26 05 43 00-0014	LF	Base, Open Bottom 20" Wide x 24" Deep Pedestrian Trench	150.39	
26 05 43 00-0015	EA	End Wall, 20" Wide x 15" Deep Pedestrian Trench	76.98	
26 05 43 00-0016	EA	End Wall, 20" Wide x 24" Deep Pedestrian Trench	112.20	
26 05 43 00-0017	LF	Lid, Concrete, 20" Wide Pedestrian Trench	76.28	
26 05 43 00-0018		30" Wide Pedestrian Trench (26 05 43 00-0001)		
26 05 43 00-0019	LF	Base, Solid Bottom 30" Wide x 15" Deep Pedestrian Trench	147.71	
26 05 43 00-0020	LF	Base, Open Bottom 30" Wide x 15" Deep Pedestrian Trench	173.83	

		MINOR		DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
		CSI	UOM			
26 05 43 00-0021	LF			Base, Solid Bottom 30" Wide x 24" Deep Pedestrian Trench	184.88	
26 05 43 00-0022	LF			Base, Open Bottom 30" Wide x 24" Deep Pedestrian Trench	177.49	
26 05 43 00-0023	EA			End Wall, 30" Wide x 15" Deep Pedestrian Trench	110.39	
26 05 43 00-0024	EA			End Wall, 30" Wide x 24" Deep Pedestrian Trench	150.00	
26 05 43 00-0025	LF			Lid, Concrete, 30" Wide Pedestrian Trench.....	95.25	
26 05 43 00-0026 40" Wide Pedestrian Trench (26 05 43 00-0001)						
26 05 43 00-0027	LF			Base, Solid Bottom 40" Wide x 15" Deep Pedestrian Trench	176.83	
26 05 43 00-0028	LF			Base, Open Bottom 40" Wide x 15" Deep Pedestrian Trench	170.10	
26 05 43 00-0029	LF			Base, Solid Bottom 40" Wide x 24" Deep Pedestrian Trench	216.40	
26 05 43 00-0030	LF			Base, Open Bottom 40" Wide x 24" Deep Pedestrian Trench	208.17	
26 05 43 00-0031	EA			End Wall, 40" Wide x 15" Deep Pedestrian Trench	141.31	
26 05 43 00-0032	EA			End Wall, 40" Wide x 24" Deep Pedestrian Trench	191.77	
26 05 43 00-0033	LF			Lid, Concrete, 40" Wide Pedestrian Trench.....	112.52	
26 05 43 00-0034 Precast Concrete Trenches, One Piece Medium Vehicle Trench (26 05 43)						
Note: Rated for 7,000 Lb Gross Vehicle Weight. Excludes excavation, removal of dirt and sand bedding.						
26 05 43 00-0035 10" Wide Medium Vehicle Trench (26 05 43 00-0034)						
26 05 43 00-0036	LF			Base, Solid Bottom 10" Wide x 15" Deep Medium Vehicle Trench.....	111.28	
26 05 43 00-0037	LF			Base, Open Bottom 10" Wide x 15" Deep Medium Vehicle Trench	106.05	
26 05 43 00-0038	LF			Base, Solid Bottom 10" Wide x 24" Deep Medium Vehicle Trench.....	154.53	
26 05 43 00-0039	LF			Base Open Bottom 10" Wide x 24" Deep Medium Vehicle Trench	147.29	
26 05 43 00-0040	EA			End Wall, 10" Wide x 15" Deep Medium Vehicle Trench	72.63	
26 05 43 00-0041	EA			End Wall, 10" Wide x 24" Deep Medium Vehicle Trench.....	84.38	
26 05 43 00-0042	LF			Lid, Concrete 10" Wide Medium Vehicle Trench	74.19	
26 05 43 00-0043	LF			Lid, Galvanized Steel 10" Wide Medium Vehicle Trench	332.05	
26 05 43 00-0044 20" Wide Medium Vehicle Trench (26 05 43 00-0034)						
26 05 43 00-0045	LF			Base, Solid Bottom 20" Wide x 15" Deep Medium Vehicle Trench.....	140.03	
26 05 43 00-0046	LF			Base, Open Bottom 20" Wide x 15" Deep Medium Vehicle Trench	130.83	
26 05 43 00-0047	LF			Base, Solid Bottom 20" Wide x 24" Deep Medium Vehicle Trench.....	188.74	
26 05 43 00-0048	LF			Base Open Bottom 20" Wide x 24" Deep Medium Vehicle Trench	180.34	
26 05 43 00-0049	EA			End Wall, 20" Wide x 15" Deep Medium Vehicle Trench	89.71	
26 05 43 00-0050	EA			End Wall, 20" Wide x 24" Deep Medium Vehicle Trench.....	130.93	
26 05 43 00-0051	LF			Lid, Concrete 20" Wide Medium Vehicle Trench	92.77	
26 05 43 00-0052	LF			Lid, Galvanized Steel 20" Wide Medium Vehicle Trench	440.40	
26 05 43 00-0053 30" Wide Medium Vehicle Trench (26 05 43 00-0034)						
26 05 43 00-0054	LF			Base, Solid Bottom 30" Wide x 15" Deep Medium Vehicle Trench.....	140.37	
26 05 43 00-0055	LF			Base, Open Bottom 30" Wide x 15" Deep Medium Vehicle Trench	168.74	
26 05 43 00-0056	LF			Base, Solid Bottom 30" Wide x 24" Deep Medium Vehicle Trench.....	221.14	
26 05 43 00-0057	LF			Base Open Bottom 30" Wide x 24" Deep Medium Vehicle Trench	211.58	
26 05 43 00-0058	EA			End Wall, 30" Wide x 15" Deep Medium Vehicle Trench	127.95	
26 05 43 00-0059	EA			End Wall, 30" Wide x 24" Deep Medium Vehicle Trench.....	175.99	
26 05 43 00-0060	LF			Lid, Concrete 30" Wide Medium Vehicle Trench	116.15	
26 05 43 00-0061	LF			Lid, Galvanized Steel 30" Wide Medium Vehicle Trench	549.80	
26 05 43 00-0062 40" Wide Medium Vehicle Trench (26 05 43 00-0034)						
26 05 43 00-0063	LF			Base, Solid Bottom 40" Wide x 15" Deep Medium Vehicle Trench.....	209.78	
26 05 43 00-0064	LF			Base, Open Bottom 40" Wide x 15" Deep Medium Vehicle Trench	201.09	
26 05 43 00-0065	LF			Base, Solid Bottom 40" Wide x 24" Deep Medium Vehicle Trench.....	256.82	
26 05 43 00-0066	LF			Base Open Bottom 40" Wide x 24" Deep Medium Vehicle Trench	246.16	
26 05 43 00-0067	EA			End Wall, 40" Wide x 15" Deep Medium Vehicle Trench	163.80	
26 05 43 00-0068	EA			End Wall, 40" Wide x 24" Deep Medium Vehicle Trench.....	224.96	
26 05 43 00-0069	LF			Lid, Concrete 40" Wide Medium Vehicle Trench	136.68	
26 05 43 00-0070	LF			Lid, Galvanized Steel 40" Wide Medium Vehicle Trench	747.57	
26 05 43 00-0071 Precast Concrete Trenches, One Piece H20 Road Crossing Trench (26 05 43)						
Note: H20 Rated for 32,000 Lb Gross Vehicle Weight. Excludes excavation, removal of dirt and sand bedding.						
26 05 43 00-0072 10" Wide H20 Road Crossing Trench (26 05 43 00-0071)						
26 05 43 00-0073	LF			Base, Solid Bottom for Concrete Lid, 10" Wide x 16" Deep Road Crossing Trench	241.77	
26 05 43 00-0074	LF			Base, Open Bottom for Concrete Lid, 10" Wide x 16" Deep Road Crossing Trench	230.05	
26 05 43 00-0075	LF			Base, Solid Bottom for Concrete Lid, 10" Wide x 24" Deep Road Crossing Trench	301.91	
26 05 43 00-0076	LF			Base, Open Bottom for Concrete Lid, 10" Wide x 24" Deep Road Crossing Trench	287.12	
26 05 43 00-0077	LF			Base, Solid Bottom for Galvanized Steel Lid, 10" Wide x 16" Deep Road Crossing Trench	232.11	
26 05 43 00-0078	LF			Base, Open Bottom for Galvanized Steel Lid, 10" Wide x 16" Deep Road Crossing Trench	220.95	
26 05 43 00-0079	LF			Base, Solid Bottom for Galvanized Steel Lid, 10" Wide x 24" Deep Road Crossing Trench	292.25	
26 05 43 00-0080	LF			Base, Open Bottom for Galvanized Steel Lid, 10" Wide x 24" Deep Road Crossing Trench	278.05	
26 05 43 00-0081	EA			End Wall for Concrete Lid, 10" Wide x 16" Deep Road Crossing Trench	159.60	
26 05 43 00-0082	EA			End Wall for Concrete Lid, 10" Wide x 24" Deep Road Crossing Trench	216.01	
26 05 43 00-0083	EA			End Wall for Galvanized Steel Lid, 10" Wide x 16" Deep Road Crossing Trench.....	144.27	
26 05 43 00-0084	EA			End Wall for Galvanized Steel Lid, 10" Wide x 24" Deep Road Crossing Trench.....	200.34	
26 05 43 00-0085	LF			Lid, Concrete 10" Wide Road Crossing Trench	111.41	
26 05 43 00-0086	LF			Lid, Galvanized Steel 10" Wide Road Crossing Trench.....	360.37	
26 05 43 00-0087 20" Wide H20 Road Crossing Trench (26 05 43 00-0071)						

26 Electrical**26 05 Common Work Results for Electrical****26 05 43 Underground Ducts and Raceways for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 43 00-0088	LF	Base, Solid Bottom for Concrete Lid, 20" Wide x 16" Deep Road Crossing Trench	256.03	
26 05 43 00-0089	LF	Base, Open Bottom for Concrete Lid, 20" Wide x 16" Deep Road Crossing Trench	244.00	
26 05 43 00-0090	LF	Base, Solid Bottom for Concrete Lid, 20" Wide x 24" Deep Road Crossing Trench	338.56	
26 05 43 00-0091	LF	Base, Open Bottom for Concrete Lid, 20" Wide x 24" Deep Road Crossing Trench	322.47	
26 05 43 00-0092	LF	Base, Solid Bottom for Galvanized Steel Lid, 20" Wide x 16" Deep Road Crossing Trench.....	256.03	
26 05 43 00-0093	LF	Base, Open Bottom for Galvanized Steel Lid, 20" Wide x 16" Deep Road Crossing Trench.....	244.00	
26 05 43 00-0094	LF	Base, Solid Bottom for Galvanized Steel Lid, 20" Wide x 24" Deep Road Crossing Trench.....	328.90	
26 05 43 00-0095	LF	Base, Open Bottom for Galvanized Steel Lid, 20" Wide x 24" Deep Road Crossing Trench.....	313.40	
26 05 43 00-0096	EA	End Wall for Concrete Lid, 20" Wide x 16" Deep Road Crossing Trench	228.00	
26 05 43 00-0097	EA	End Wall for Concrete Lid, 20" Wide x 24" Deep Road Crossing Trench	310.20	
26 05 43 00-0098	EA	End Wall for Galvanized Steel Lid, 20" Wide x 16" Deep Road Crossing Trench.....	205.68	
26 05 43 00-0099	EA	End Wall for Galvanized Steel Lid, 20" Wide x 24" Deep Road Crossing Trench.....	287.88	
26 05 43 00-0100	LF	Lid, Concrete 20" Wide Road Crossing Trench	124.16	
26 05 43 00-0101	LF	Lid, Galvanized Steel 20" Wide Road Crossing Trench.....	534.70	

26 05 43 00-0102 30" Wide H20 Road Crossing Trench (26 05 43 00-0071)

26 05 43 00-0103	LF	Base, Solid Bottom for Concrete Lid, 30" Wide x 16" Deep Road Crossing Trench	301.93	
26 05 43 00-0104	LF	Base, Open Bottom for Concrete Lid, 30" Wide x 16" Deep Road Crossing Trench	288.16	
26 05 43 00-0105	LF	Base, Solid Bottom for Concrete Lid, 30" Wide x 24" Deep Road Crossing Trench	373.36	
26 05 43 00-0106	LF	Base, Open Bottom for Concrete Lid, 30" Wide x 24" Deep Road Crossing Trench	356.26	
26 05 43 00-0107	LF	Base, Solid Bottom for Galvanized Steel Lid, 30" Wide x 16" Deep Road Crossing Trench.....	292.26	
26 05 43 00-0108	LF	Base, Open Bottom for Galvanized Steel Lid, 30" Wide x 16" Deep Road Crossing Trench.....	279.07	
26 05 43 00-0109	LF	Base, Solid Bottom for Galvanized Steel Lid, 30" Wide x 24" Deep Road Crossing Trench.....	363.69	
26 05 43 00-0110	LF	Base, Open Bottom for Galvanized Steel Lid, 30" Wide x 24" Deep Road Crossing Trench.....	346.87	
26 05 43 00-0111	EA	End Wall for Concrete Lid, 30" Wide x 16" Deep Road Crossing Trench	303.89	
26 05 43 00-0112	EA	End Wall for Concrete Lid, 30" Wide x 24" Deep Road Crossing Trench	402.58	
26 05 43 00-0113	EA	End Wall for Galvanized Steel Lid, 30" Wide x 16" Deep Road Crossing Trench.....	274.57	
26 05 43 00-0114	EA	End Wall for Galvanized Steel Lid, 30" Wide x 24" Deep Road Crossing Trench.....	373.26	
26 05 43 00-0115	LF	Lid, Concrete 30" Wide Road Crossing Trench	157.20	
26 05 43 00-0116	LF	Lid, Galvanized Steel 30" Wide Road Crossing Trench.....	670.52	

26 05 43 00-0117 40" Wide H20 Road Crossing Trench (26 05 43 00-0071)

26 05 43 00-0118	LF	Base, Solid Bottom for Concrete Lid, 40" Wide x 16" Deep Road Crossing Trench	333.01	
26 05 43 00-0119	LF	Base, Open Bottom for Concrete Lid, 40" Wide x 16" Deep Road Crossing Trench	318.22	
26 05 43 00-0120	LF	Base, Solid Bottom for Concrete Lid, 40" Wide x 24" Deep Road Crossing Trench	410.01	
26 05 43 00-0121	LF	Base, Open Bottom for Concrete Lid, 40" Wide x 24" Deep Road Crossing Trench	391.44	
26 05 43 00-0122	LF	Base, Solid Bottom for Galvanized Steel Lid, 40" Wide x 16" Deep Road Crossing Trench.....	323.35	
26 05 43 00-0123	LF	Base, Open Bottom for Galvanized Steel Lid, 40" Wide x 16" Deep Road Crossing Trench.....	309.15	
26 05 43 00-0124	LF	Base, Solid Bottom for Galvanized Steel Lid, 40" Wide x 24" Deep Road Crossing Trench.....	400.34	
26 05 43 00-0125	LF	Base, Open Bottom for Galvanized Steel Lid, 40" Wide x 24" Deep Road Crossing Trench.....	382.35	
26 05 43 00-0126	EA	End Wall for Concrete Lid, 40" Wide x 16" Deep Road Crossing Trench	377.06	
26 05 43 00-0127	EA	End Wall for Concrete Lid, 40" Wide x 24" Deep Road Crossing Trench	499.21	
26 05 43 00-0128	EA	End Wall for Galvanized Steel Lid, 40" Wide x 16" Deep Road Crossing Trench.....	341.08	
26 05 43 00-0129	EA	End Wall for Galvanized Steel Lid, 40" Wide x 24" Deep Road Crossing Trench.....	463.22	
26 05 43 00-0130	LF	Lid, Concrete 40" Wide Road Crossing Trench	189.83	
26 05 43 00-0131	LF	Lid, Galvanized Steel 40" Wide Road Crossing Trench.....	911.85	

26 05 46 Utility Poles for Electrical Systems (26 05)**26 05 46 00-0001 Wood Poles (26 05 46)****26 05 46 00-0002 Wood Pole, Class 3, Penta-Treated To 8 Lb. Retention (26 05 46 00-0001)**

Note: Machine dig and set.

26 05 46 00-0003	EA	25' Treated Wood Pole, Class 3, Machine Dig And Set.....	964.00	306.04
		For Class 4 Pole, Deduct	-35.18	
		For Class 2 Pole, Add	70.36	
		For Class 1 Pole, Add	123.13	
		For Class 5 Pole, Deduct	-105.54	
		For Class 6 Pole, Deduct	-140.72	
26 05 46 00-0004	EA	30' Treated Wood Pole, Class 3, Machine Dig And Set.....	1,156.80	339.55
		For Class 4 Pole, Deduct	-47.77	
		For Class 2 Pole, Add	95.53	
		For Class 1 Pole, Add	167.18	
		For Class 5 Pole, Deduct	-143.30	
		For Class 6 Pole, Deduct	-191.06	
26 05 46 00-0005	EA	35' Treated Wood Pole, Class 3, Machine Dig And Set.....	1,498.69	449.08
		For Class 4 Pole, Deduct	-60.07	
		For Class 2 Pole, Add	120.13	
		For Class 1 Pole, Add	210.23	
		For Class 5 Pole, Deduct	-180.20	
		For Class 6 Pole, Deduct	-240.26	
26 05 46 00-0006	EA	40' Treated Wood Pole, Class 3, Machine Dig And Set.....	1,717.20	493.94
		For Class 4 Pole, Deduct	-72.94	
		For Class 2 Pole, Add	145.87	
		For Class 1 Pole, Add	255.28	
		For Class 5 Pole, Deduct	-218.81	
		For Class 6 Pole, Deduct	-291.74	
26 05 46 00-0007	EA	45' Treated Wood Pole, Class 3, Machine Dig And Set.....	1,964.17	550.14
		For Class 4 Pole, Deduct	-86.38	
		For Class 2 Pole, Add	172.76	
		For Class 1 Pole, Add	302.33	
		For Class 5 Pole, Deduct	-259.14	
		For Class 6 Pole, Deduct	-345.52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0008	EA		50' Treated Wood Pole, Class 3, Machine Dig And Set.....	2,235.89	617.42
			For Class 4 Pole, Deduct	-100.11	
			For Class 2 Pole, Add	200.22	
			For Class 1 Pole, Add	350.38	
			For Class 5 Pole, Deduct	-300.32	
			For Class 6 Pole, Deduct	-400.43	
26 05 46 00-0009	EA		55' Treated Wood Pole, Class 3, Machine Dig And Set.....	2,502.38	679.10
			For Class 4 Pole, Deduct	-114.41	
			For Class 2 Pole, Add	228.82	
			For Class 1 Pole, Add	400.43	
			For Class 5 Pole, Deduct	-343.23	
			For Class 6 Pole, Deduct	-457.64	
26 05 46 00-0010	EA		60' Treated Wood Pole, Class 3, Machine Dig And Set.....	2,797.91	746.77
			For Class 4 Pole, Deduct	-130.43	
			For Class 2 Pole, Add	260.85	
			For Class 1 Pole, Add	456.49	
			For Class 5 Pole, Deduct	-391.28	
			For Class 6 Pole, Deduct	-521.70	
26 05 46 00-0011	EA		65' Treated Wood Pole, Class 3, Machine Dig And Set.....	4,633.16	813.93
			For Class 4 Pole, Deduct	-300.52	
			For Class 2 Pole, Add	601.05	
			For Class 1 Pole, Add	1,051.83	
			For Class 5 Pole, Deduct	-901.57	
			For Class 6 Pole, Deduct	-1,202.10	
26 05 46 00-0012	EA		70' Treated Wood Pole, Class 3, Machine Dig And Set.....	5,091.44	865.83
			For Class 4 Pole, Deduct	-335.98	
			For Class 2 Pole, Add	671.95	
			For Class 1 Pole, Add	1,175.91	
			For Class 5 Pole, Deduct	-1,007.93	
			For Class 6 Pole, Deduct	-1,343.90	
26 05 46 00-0013	EA		75' Treated Wood Pole, Class 3, Machine Dig And Set.....	5,600.10	924.77
			For Class 4 Pole, Deduct	-375.05	
			For Class 2 Pole, Add	750.10	
			For Class 1 Pole, Add	1,312.68	
			For Class 5 Pole, Deduct	-1,125.15	
			For Class 6 Pole, Deduct	-1,500.20	
26 05 46 00-0014			Removal And Relocation Of Wood Poles With Cross Arm (26 05 46 00-0001)		
26 05 46 00-0015	LF		Removal And Relocation Of Up To 75' Wood Pole With Cross Arms.....	26.08	
26 05 46 00-0016			Crossarms (26 05 46)		
			Note: Includes hardware and braces.		
26 05 46 00-0017			Wood Single Arm Crossarms (26 05 46 00-0016)		
26 05 46 00-0018	EA		3-1/2" x 4-1/2" x 5'-7", Single Arm Wood Crossarm, With Hardware And Braces.....	226.16	91.27
26 05 46 00-0019	EA		3-1/2" x 4-1/2" x 8'-0", Single Arm Wood Crossarm, With Hardware And Braces.....	273.11	91.27
26 05 46 00-0020	EA		3-3/4" x 4-3/4" x 10'-0", Single Arm Wood Crossarm, With Hardware And Braces.....	286.57	117.36
26 05 46 00-0021			Wood Double Arm Crossarms (26 05 46 00-0016)		
26 05 46 00-0022	EA		3-1/2" x 4-1/2" x 5'-7", Double Arm Wood Crossarm, With Hardware And Braces	581.51	254.27
26 05 46 00-0023	EA		3-1/2" x 4-1/2" x 8'-0", Double Arm Wood Crossarm, With Hardware And Braces	619.46	254.27
26 05 46 00-0024	EA		3-3/4" x 4-3/4" x 10'-0", Double Arm Wood Crossarm, With Hardware And Braces	644.59	254.27
26 05 46 00-0025			Fiberglass Crossarms (26 05 46 00-0016)		
			Note: Includes hardware.		
26 05 46 00-0026			Single Phase, 15 Degree Angle (26 05 46 00-0025)		
26 05 46 00-0027	EA		Fiberglass Cutout And Arrestor Bracket, 18", Minimum Ultimate Load 800 Lb.....	266.52	
26 05 46 00-0028	EA		Fiberglass Insulator Bracket, 14", 1 1/16" Diameter Hole, Minimum Ultimate Load 1,200 Lb.....	334.56	54.77
26 05 46 00-0029	EA		Fiberglass Insulator Bracket, 14", 1" Lead Threaded, Minimum Ultimate Load 1,200 Lb.	347.60	58.68
26 05 46 00-0030			Two Phase, 15 Degree Angle (26 05 46 00-0025)		
26 05 46 00-0031	EA		Fiberglass Insulator Bracket, 36", Minimum Ultimate Load 1,200 Lb.....	416.21	70.41
26 05 46 00-0032			Fiberglass Crossarm Accessories (26 05 46 00-0025)		
26 05 46 00-0033	EA		Fiberglass Deadend Crossarm, 36", Minimum Ultimate Load 7,000 Lb. Per Conductor.....	669.95	89.98
26 05 46 00-0034	EA		Fiberglass Deadend Crossarm, 36", Minimum Ultimate Load 12,000 Lb. Per Conductor.....	793.07	109.53
26 05 46 00-0035	EA		Pole Top Pin, Hot Dip Galvanized, 18", 1" Lead Threaded.....	116.51	15.64
26 05 46 00-0036	EA		Three Phase Equipment Mounting Bracket	582.56	78.24
26 05 46 00-0037	EA		Fiberglass Bull Horn Crossarm	453.84	130.40
26 05 46 00-0038			Insulator Support System (26 05 46 00-0016)		
26 05 46 00-0039			Epoxy Construction Units, In Place Mounting (26 05 46 00-0038)		
			Note: Includes hardware.		
26 05 46 00-0040	EA		1-1/2" Diameter x 19" Long Pole Side Pins Vertical (1 Arm Installed), In Place Mounting.....	136.21	
26 05 46 00-0041	EA		1-1/2" Diameter x 15" Long Pole Top Pins, In Place Mounting.....	112.47	
26 05 46 00-0042	EA		Deadend Arms, In Place Mounting	335.46	
26 05 46 00-0043	EA		1-1/2" Diameter x 18" Long Pole Side Pins Vertical (2 Arms Installed), In Place Mounting.....	219.75	

26 Electrical**26 05 Common Work Results for Electrical****26 05 46 Utility Poles for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 46 00-0044		Epoxy Construction Units, Grounding Mounting (26 05 46 00-0038)			
		Note: Includes hardware.			
26 05 46 00-0045	EA	1-1/2" Diameter x 18" Long Pole Side Pins Vertical, Grounding Mounting	98.48		
26 05 46 00-0046	EA	1-1/2" Diameter x 15" Long Pole Top Pins, Grounding Mounting	87.32		
26 05 46 00-0047	EA	Deadend Arms, Grounding Mounting.....	310.31		
26 05 46 00-0048		Guying (26 05 46)			
		Note: Includes cable, anchor and rod assembly, guy marker.			
26 05 46 00-0049		Down Guy (26 05 46 00-0048)			
26 05 46 00-0050	EA	Down Guy For 25' To 40' Pole	967.12		365.11
26 05 46 00-0051	EA	Down Guy For 45' To 60' Pole	989.25		365.11
26 05 46 00-0052	EA	Down Guy For 65' To 75' Pole	1,034.76		365.11
26 05 46 00-0053	EA	Guy Guard, Plastic.....	47.85		
26 05 46 00-0054		Head Guy, 50' Spans (26 05 46 00-0048)			
26 05 46 00-0055	EA	Head Guy (50' Span), For 25' To 40' Pole	1,362.57		560.71
26 05 46 00-0056	EA	Head Guy (50' Span), For 45' To 60' Pole	1,362.57		560.71
26 05 46 00-0057	EA	Head Guy (50' Span), For 65' To 75' Pole	1,362.57		560.71
26 05 46 00-0058		Guy Strain Insulators Additional Insulators (26 05 46 00-0048)			
		Note: As required at same material cost and labor.			
26 05 46 00-0059	EA	Guy Strain Insulator	557.26		273.83
26 05 46 00-0060		Insulators (26 05 46)			
26 05 46 00-0061		Pin Insulator With Pin (26 05 46 00-0060)			
26 05 46 00-0062	EA	5 KV Class 55-3, Pin Insulator With Pin	176.51		78.24
26 05 46 00-0063	EA	15 KV Class 55-5, Pin Insulator With Pin.....	182.44		78.24
26 05 46 00-0064		Suspension Insulator (26 05 46 00-0060)			
		Note: Includes clevis and strain clamp.			
26 05 46 00-0065	EA	5 KV Class 52-2, Suspension Insulator, With Clevis And Strain Clamp.....	225.43		104.32
26 05 46 00-0066	EA	15 KV Class 52-4, Suspension Insulator, With Clevis And Strain Clamp.....	241.57		104.32
26 05 46 00-0067	EA	25 KV Class 2 x 52-4, Suspension Insulator, With Clevis And Strain Clamp	341.45		130.40
26 05 46 00-0068	EA	50 KV Class 4 x 52-4, Suspension Insulator, With Clevis And Strain Clamp	544.45		208.63
26 05 46 00-0069		Spool Insulator With Clevis (26 05 46 00-0060)			
26 05 46 00-0070	EA	5 KV Class 53-5, Spool Insulator With Clevis	75.05		32.60
26 05 46 00-0071	EA	15 KV Class, Spool Insulator With Clevis	241.50		117.36
26 05 46 00-0072	EA	25 KV Class, Spool Insulator With Clevis	312.97		117.36
26 05 46 00-0073		Secondary Rack (26 05 46 00-0060)			
26 05 46 00-0074	EA	1 Spool Secondary Rack	148.96		65.20
26 05 46 00-0075	EA	2 Spool Secondary Rack	154.17		83.19
26 05 46 00-0076	EA	3 Spool Secondary Rack	230.74		110.84
26 05 46 00-0077	EA	4 Spool Secondary Rack	258.99		110.84
26 05 46 00-0078		Outdoor Load Break Switches (26 05 46)			
		Note: 3-Phase, group operated, 3-insulator, vertical break, high strength pin insulators worm gear operating mechanism operating rods, mechanisms, and switch bases are galvanized steel.			
26 05 46 00-0079		7.2 KV Outdoor Load Break Switches (26 05 46 00-0078)			
26 05 46 00-0080	EA	600 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	4,922.22		443.35
26 05 46 00-0081	EA	1,200 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	9,706.93		443.35
26 05 46 00-0082	EA	1,600 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	14,463.65		749.77
26 05 46 00-0083	EA	2,000 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	14,733.28		749.77
26 05 46 00-0084		14.4 KV Outdoor Load Break Switches (26 05 46 00-0078)			
26 05 46 00-0085	EA	600 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	6,031.63		443.35
26 05 46 00-0086	EA	1,200 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	11,487.41		443.35
26 05 46 00-0087	EA	1,600 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	14,463.65		749.77
26 05 46 00-0088	EA	2,000 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	14,733.28		749.77
26 05 46 00-0089		23 KV Outdoor Load Break Switches (26 05 46 00-0078)			
26 05 46 00-0090	EA	600 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	6,646.10		515.07
26 05 46 00-0091	EA	1,200 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	12,565.78		515.07
26 05 46 00-0092	EA	1,600 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	15,093.76		886.69
26 05 46 00-0093	EA	2,000 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	15,372.21		886.69
26 05 46 00-0094		Square Distribution Poles (26 05 46)			
26 05 46 00-0095		Square Steel Tapered Shaft Distribution Poles (26 05 46 00-0094)			
26 05 46 00-0096	EA	20', Steel Taped Shaft Distribution Pole	4,236.07		554.18

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0097	EA	25', Steel Taped Shaft Distribution Pole	4,733.94	586.78
26 05 46 00-0098	EA	30', Steel Taped Shaft Distribution Pole	5,125.54	651.98
26 05 46 00-0099	EA	35', Steel Taped Shaft Distribution Pole	5,675.27	717.18
26 05 46 00-0100	EA	40', Steel Taped Shaft Distribution Pole	7,833.12	782.38
26 05 46 00-0101 Square Prestressed Concrete Distribution Poles (26 05 46 00-0094)				
26 05 46 00-0102	EA	30', Prestressed Concrete Square Pole For Distribution.....	5,116.93	995.97
26 05 46 00-0103	EA	35', Prestressed Concrete Square Pole For Distribution.....	5,788.09	1,092.35
26 05 46 00-0104	EA	40', Prestressed Concrete Square Pole For Distribution.....	6,797.83	1,220.86
26 05 46 00-0105	EA	45', Prestressed Concrete Square Pole For Distribution.....	7,661.38	1,349.37
26 05 46 00-0106	EA	50', Prestressed Concrete Square Pole For Distribution.....	5,596.19	1,638.52
26 05 46 00-0107	EA	55', Prestressed Concrete Square Pole For Distribution.....	10,807.49	1,927.67
26 05 46 00-0108	EA	60', Prestressed Concrete Square Pole For Distribution.....	12,758.85	2,184.69
26 05 46 00-0109	EA	65', Prestressed Concrete Square Pole For Distribution.....	15,395.72	2,698.73
26 05 46 00-0110	EA	70', Prestressed Concrete Square Pole For Distribution.....	17,249.65	2,955.76
26 05 46 00-0111 Aluminum Tapered Poles (26 05 46)				
26 05 46 00-0112 Aluminum Tapered Round Seamless Shaft Poles (26 05 46 00-0111)				
26 05 46 00-0113	EA	20', Aluminum Tapered Round Seamless Shaft Pole For Distribution.....	3,841.11	488.98
26 05 46 00-0114	EA	25', Aluminum Tapered Round Seamless Shaft Pole For Distribution.....	5,426.64	521.58
26 05 46 00-0115	EA	30', Aluminum Tapered Round Seamless Shaft Pole For Distribution.....	6,247.55	586.78
26 05 46 00-0116	EA	35', Aluminum Tapered Round Seamless Shaft Pole For Distribution.....	7,435.14	651.98
26 05 46 00-0117	EA	40', Aluminum Tapered Round Seamless Shaft Pole For Distribution.....	11,400.13	717.18
26 05 46 00-0118 Steel Service Poles Distribution (26 05 46)				
Note: Direct embedded, bearing plate on base end, pole cap on top end, grounding nut, galvanized finish.				
26 05 46 00-0119 Round Tapered Pole (26 05 46 00-0118)				
26 05 46 00-0120	EA	40', Galvanized Steel Tapered Round Pole For Distribution.....	5,295.75	782.38
26 05 46 00-0121	EA	45', Galvanized Steel Tapered Round Pole For Distribution.....	6,179.81	847.57
26 05 46 00-0122	EA	50', Galvanized Steel Tapered Round Pole For Distribution.....	6,580.34	912.77
26 05 46 00-0123	EA	55', Galvanized Steel Tapered Round Pole For Distribution.....	7,761.87	1,043.17
26 05 46 00-0124	EA	60', Galvanized Steel Tapered Round Pole For Distribution.....	9,646.57	1,173.56
26 05 46 00-0125	EA	65', Galvanized Steel Tapered Round Pole For Distribution.....	11,393.89	1,510.01
26 05 46 00-0126	EA	70', Galvanized Steel Tapered Round Pole For Distribution.....	12,669.99	1,713.06
26 05 46 00-0127	EA	75', Galvanized Steel Tapered Round Pole For Distribution.....	13,995.45	1,927.67
26 05 46 00-0128	EA	80', Galvanized Steel Tapered Round Pole For Distribution.....	15,687.12	2,184.69
26 05 46 00-0129	EA	85', Galvanized Steel Tapered Round Pole For Distribution.....	16,769.35	2,313.20
26 05 46 00-0130	EA	90', Galvanized Steel Tapered Round Pole For Distribution.....	18,169.79	2,570.22
26 05 46 00-0131	EA	95', Galvanized Steel Tapered Round Pole For Distribution.....	19,993.07	2,891.51
26 05 46 00-0132	EA	100', Galvanized Steel Tapered Round Pole For Distribution.....	22,018.82	3,277.04
26 05 46 00-0133 12 Sided Tapered (26 05 46 00-0118)				
26 05 46 00-0134	EA	40', Galvanized Steel Tapered 12 Sided Pole For Distribution	9,295.51	782.38
26 05 46 00-0135	EA	45', Galvanized Steel Tapered 12 Sided Pole For Distribution	10,266.23	847.57
26 05 46 00-0136	EA	50', Galvanized Steel Tapered 12 Sided Pole For Distribution	11,380.26	912.77
26 05 46 00-0137	EA	55', Galvanized Steel Tapered 12 Sided Pole For Distribution	12,486.03	1,043.17
26 05 46 00-0138	EA	60', Galvanized Steel Tapered 12 Sided Pole For Distribution	16,684.21	1,173.56
26 05 46 00-0139	EA	65', Galvanized Steel Tapered 12 Sided Pole For Distribution	18,474.81	1,510.01
26 05 46 00-0140	EA	70', Galvanized Steel Tapered 12 Sided Pole For Distribution	21,415.68	1,713.06
26 05 46 00-0141	EA	75', Galvanized Steel Tapered 12 Sided Pole For Distribution	23,016.80	1,927.67
26 05 46 00-0142	EA	80', Galvanized Steel Tapered 12 Sided Pole For Distribution	24,697.15	2,184.69
26 05 46 00-0143	EA	85', Galvanized Steel Tapered 12 Sided Pole For Distribution	26,163.74	2,313.20
26 05 46 00-0144	EA	90', Galvanized Steel Tapered 12 Sided Pole For Distribution	29,720.80	2,570.22
26 05 46 00-0145	EA	95', Galvanized Steel Tapered 12 Sided Pole For Distribution	31,511.72	2,891.51
26 05 46 00-0146	EA	100', Galvanized Steel Tapered 12 Sided Pole For Distribution	33,613.08	3,277.04
26 05 46 00-0147	EA	105', Galvanized Steel Tapered 12 Sided Pole For Distribution	35,869.57	3,662.57
26 05 46 00-0148 Standard Options For Round, 12 Sided and Octagonal Tapered Poles (26 05 46 00-0118)				
26 05 46 00-0149	EA	Ladder Clips.....	23.59	
26 05 46 00-0150	EA	Coal Tar Epoxy Coating From Base To 1' Above Ground Line.....	177.02	
26 05 46 00-0151	EA	Ground Sleeve-2' At Ground Line.....	178.05	
26 05 46 00-0152 Arms With Baseplates And Endplates (26 05 46 00-0118)				
26 05 46 00-0153	EA	4' Arm With Baseplate And Endplate.....	904.40	130.40
26 05 46 00-0154	EA	5' Arm With Baseplate And Endplate.....	991.67	130.40
26 05 46 00-0155	EA	6' Arm With Baseplate And Endplate.....	1,210.38	195.59
26 05 46 00-0156	EA	7' Arm With Baseplate And Endplate.....	1,286.71	195.59
26 05 46 00-0157	EA	8' Arm With Baseplate And Endplate.....	1,503.39	260.79
26 05 46 00-0158	EA	9' Arm With Baseplate And Endplate.....	1,590.61	260.79
26 05 46 00-0159	EA	10' Arm With Baseplate And Endplate.....	2,124.69	325.99
26 05 46 00-0160	EA	11' Arm With Baseplate And Endplate.....	2,222.60	325.99
26 05 46 00-0161 Standard Vangs Load Bearing At Any Angle (26 05 46 00-0118)				
26 05 46 00-0162	EA	15,000 Lb. Standard Vangs Load Bearing At Any Angle	332.76	130.40
26 05 46 00-0163	EA	30,000 Lb. Standard Vangs Load Bearing At Any Angle	386.23	130.40

26 Electrical**26 05 Common Work Results for Electrical****26 05 46 Utility Poles for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 05 46 00-0164	EA	45,000 Lb. Standard Vangs Load Bearing At Any Angle	459.34	130.40	
26 05 46 00-0165		Armless Construction Brackets (26 05 46 00-0118)			
26 05 46 00-0166		Verticals Insulator And Equipment Bracket (26 05 46 00-0165)			
26 05 46 00-0167	EA	7" 1 Position Vertical Insulation And Equipment Bracket	341.48	130.40	
26 05 46 00-0168	EA	12" 1 Position Vertical Insulation And Equipment Bracket	375.24	130.40	
26 05 46 00-0169	EA	12" 3 Position Vertical Insulation And Equipment Bracket	430.08	130.40	
26 05 46 00-0170	EA	18" 1 Position Vertical Insulation And Equipment Bracket	595.97	195.59	
26 05 46 00-0171	EA	18" 3 Position Vertical Insulation And Equipment Bracket	627.99	195.59	
26 05 46 00-0172		Horizontal And Multiple Insulator Brackets (26 05 46 00-0165)			
26 05 46 00-0173	EA	Sidepole 1 7/8" Clearance Horizontal And Multiple Insulation Brackets	315.19	130.40	
26 05 46 00-0174	EA	Sidepole 2" Clearance Horizontal And Multiple Insulation Brackets	386.13	130.40	
26 05 46 00-0175	EA	Sidepole 9" Clearance Horizontal And Multiple Insulation Brackets	561.61	195.59	
26 05 46 00-0176	EA	Sidepole 10" Clearance Horizontal And Multiple Insulation Brackets	729.03	195.59	
26 05 46 00-0177	EA	Sidepole 15" Clearance Horizontal And Multiple Insulation Brackets	929.57	260.79	
26 05 46 00-0178	EA	Sidepole 20" Clearance Horizontal And Multiple Insulation Brackets	1,018.42	260.79	
26 05 46 00-0179		Pole Top Bracket And Pins (26 05 46 00-0165)			
26 05 46 00-0180	EA	Pole Top Pin - 5"	325.49	130.40	
26 05 46 00-0181	EA	Pole Top Bracket - 5"	342.71	130.40	
26 05 46 00-0182		Angle Pins (26 05 46 00-0165)			
26 05 46 00-0183	EA	Angle Pin - 25 Degree, 6"	323.16	130.40	
26 05 46 00-0184	EA	Angle Pin - 25 Degree, 7 1/4"	379.10	130.40	
26 05 46 00-0185		Static And Neutral Wire Brackets (26 05 46 00-0165)			
26 05 46 00-0186	EA	Neutral Wire Extension Bracket	335.79	130.40	
26 05 46 00-0187	EA	Static Wire Support Bracket	341.17	130.40	
26 05 46 00-0188		Cutout, Arrestor And Terminator Brackets (26 05 46 00-0165)			
26 05 46 00-0189	EA	Cutout And Arrestor, With Mounting Bracket	295.91	130.40	
26 05 46 00-0190	EA	Equipment Mounting T Bracket	318.89	130.40	
26 05 46 00-0191	EA	15 KV Cutout	424.08		
26 05 46 00-0192	EA	9/10 KV Arrestor	391.75	130.40	
26 05 46 00-0193		Spacer Cable, Conduit Support And Cluster Bracket (26 05 46 00-0165)			
26 05 46 00-0194	EA	Parallel Cable Spacer	374.39	130.40	
26 05 46 00-0195	EA	Conduit Standoff Support Bracket	357.22	130.40	
26 05 46 00-0196	EA	Three Transformer Pole Mounted Cluster Bracket	952.36	130.40	
26 05 46 00-0197		15 KV, 200 Amperes, Solenoid Operated High Voltage Switch (26 05 46 00-0165)			
Note: Includes pole mounting bracket.					
26 05 46 00-0198	EA	15 KV, 1 Phase, Solenoid Switch With Pole Bracket	2,076.41	325.99	
26 05 46 00-0199		Octagonal Tapered (26 05 46 00-0118)			
26 05 46 00-0200	EA	40', Galvanized Steel Tapered Octagonal Pole For Distribution	9,592.80	782.38	
26 05 46 00-0201	EA	45', Galvanized Steel Tapered Octagonal Pole For Distribution	10,595.95	847.57	
26 05 46 00-0202	EA	50', Galvanized Steel Tapered Octagonal Pole For Distribution	11,747.82	912.77	
26 05 46 00-0203	EA	55', Galvanized Steel Tapered Octagonal Pole For Distribution	12,886.02	1,108.37	
26 05 46 00-0204	EA	60', Galvanized Steel Tapered Octagonal Pole For Distribution	17,235.55	1,173.56	
26 05 46 00-0205	EA	65', Galvanized Steel Tapered Octagonal Pole For Distribution	19,069.39	1,510.01	
26 05 46 00-0206	EA	70', Galvanized Steel Tapered Octagonal Pole For Distribution	22,107.55	1,606.39	
26 05 46 00-0207	EA	75', Galvanized Steel Tapered Octagonal Pole For Distribution	23,754.62	1,927.67	
26 05 46 00-0208	EA	80', Galvanized Steel Tapered Octagonal Pole For Distribution	25,478.19	2,056.18	
26 05 46 00-0209	EA	85', Galvanized Steel Tapered Octagonal Pole For Distribution	26,990.75	2,313.20	
26 05 46 00-0210	EA	90', Galvanized Steel Tapered Octagonal Pole For Distribution	30,664.02	2,441.71	
26 05 46 00-0211	EA	95', Galvanized Steel Tapered Octagonal Pole For Distribution	32,503.59	2,891.51	
26 05 46 00-0212	EA	100', Galvanized Steel Tapered Octagonal Pole For Distribution	34,653.60	3,084.27	
26 05 46 00-0213	EA	105', Galvanized Steel Tapered Octagonal Pole For Distribution	36,964.14	3,469.81	
26 05 46 00-0214		Removal And Relocation Of Steel Service Poles (26 05 46 00-0118)			
26 05 46 00-0215	LF	Removal And Relocation Of Steel Service Poles With Arms Up To 60'	45.64		
26 05 46 00-0216		Special Steel Bases For Poles (26 05 46 00-0118)			
26 05 46 00-0217	EA	Spin-In Steel Base For Poles	307.61		
26 05 46 00-0218	EA	Series 3, 25' Pole And less	345.00	65.20	
26 05 46 00-0219	EA	Series 4, 40' Pole And less	412.23	74.98	
26 05 46 00-0220	EA	Series 5, 50' Pole And less	472.96	81.50	

MINOR	DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM	UNIT COST	UNIT COST

26 05 53 Identification for Electrical Systems (26 05)

26 05 53 00-0001		Conduit Markers Pressure-Sensitive (26 05 53)	
Note: Stick-on, includes arrow tape.			
26 05 53 00-0002	EA	1/2" Outside Diameter Pressure Sensitive Marker Stick-on.....	13.21
26 05 53 00-0003	EA	3/4" Outside Diameter Pressure Sensitive Marker Stick-on.....	13.80
26 05 53 00-0004	EA	1" Outside Diameter Pressure Sensitive Marker Stick-on.....	14.98
26 05 53 00-0005	EA	1-1/4" Outside Diameter Pressure Sensitive Marker Stick-on.....	15.21
26 05 53 00-0006	EA	1-1/2" Outside Diameter Pressure Sensitive Marker Stick-on.....	15.45
26 05 53 00-0007	EA	2" Outside Diameter Pressure Sensitive Marker Stick-on.....	15.80
26 05 53 00-0008	EA	2-1/2" Outside Diameter Pressure Sensitive Marker Stick-on.....	18.55
26 05 53 00-0009	EA	3" Outside Diameter Pressure Sensitive Marker Stick-on.....	19.02
26 05 53 00-0010	EA	3-1/2" Outside Diameter Pressure Sensitive Marker Stick-on.....	19.37
26 05 53 00-0011	EA	4" Outside Diameter Pressure Sensitive Marker Stick-on.....	19.73
26 05 53 00-0012	EA	4-1/2" Outside Diameter Pressure Sensitive Marker Stick-on.....	20.47
26 05 53 00-0013	EA	5" Outside Diameter Pressure Sensitive Marker Stick-on.....	21.25
26 05 53 00-0014	EA	6" Outside Diameter Pressure Sensitive Marker Stick-on.....	21.94
26 05 53 00-0015	EA	7" Outside Diameter Pressure Sensitive Marker Stick-on.....	22.64
26 05 53 00-0016	EA	8" Outside Diameter Pressure Sensitive Marker Stick-on.....	24.87
26 05 53 00-0017	EA	10" Outside Diameter Pressure Sensitive Marker Stick-on.....	26.15

26 05 53 00-0018		Labeling Existing Electrical Wires (26 05 53)	
Note: Self-adhesive vinyl coated white cloth			
26 05 53 00-0019	EA	Labeling Existing Wire	3.62

26 05 53 00-0020		Equipment Labeling (26 05 53)	
26 05 53 00-0021	EA	Label Both Ends Of One 4 Pair Cable	23.10
26 05 53 00-0022	EA	Label single gang face plate (2 labels required)	18.48
26 05 53 00-0023	EA	Label two gang face plate (4 labels required)	27.72
26 05 53 00-0024	EA	Label both ends of a Siamese (dual 4 Pair cable)	23.10

26 05 83 Wiring Connections (26 05)

26 05 83 00-0001		Tape Wrapped Compression Connectors (26 05 83)	
26 05 83 00-0002	EA	#6 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	14.68
26 05 83 00-0003	EA	#4 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	16.00
26 05 83 00-0004	EA	#2 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	17.16
26 05 83 00-0005	EA	1/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	19.63
26 05 83 00-0006	EA	2/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	21.15
26 05 83 00-0007	EA	3/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	23.35
26 05 83 00-0008	EA	4/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	25.00
26 05 83 00-0009	EA	250 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	27.17
26 05 83 00-0010	EA	300 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	30.11
26 05 83 00-0011	EA	350 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	31.63
26 05 83 00-0012	EA	400 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	34.85
26 05 83 00-0013	EA	500 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	37.71
26 05 83 00-0014	EA	750 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	42.00
26 05 83 00-0015	EA	1,000 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	48.53

26 05 83 00-0016		One Hole Compression Lugs (26 05 83)	
26 05 83 00-0017	EA	#22-18 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	19.91
26 05 83 00-0018	EA	#16-14 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	20.03
26 05 83 00-0019	EA	#12-10 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	22.64
26 05 83 00-0020	EA	#8 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	27.67
26 05 83 00-0021	EA	#6 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	39.05
26 05 83 00-0022	EA	#4 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	45.96
26 05 83 00-0023	EA	#2 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	52.87
26 05 83 00-0024	EA	1/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	65.32
26 05 83 00-0025	EA	2/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	76.73
26 05 83 00-0026	EA	3/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	89.84
26 05 83 00-0027	EA	4/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	108.41
26 05 83 00-0028	EA	250 MCM Low Voltage (To 600 Volt) One Hole Compression Lug	128.60
26 05 83 00-0029	EA	300 MCM Low Voltage (To 600 Volt) One Hole Compression Lug	147.08
26 05 83 00-0030	EA	350 MCM Low Voltage (To 600 Volt) One Hole Compression Lug	158.14
26 05 83 00-0031	EA	400 MCM Low Voltage (To 600 Volt) One Hole Compression Lug	172.04
26 05 83 00-0032	EA	500 MCM Low Voltage (To 600 Volt) One Hole Compression Lug	188.02
26 05 83 00-0033	EA	750 MCM Low Voltage (To 600 Volt) One Hole Compression Lug	204.41
26 05 83 00-0034	EA	1,000 MCM Low Voltage (To 600 Volt) One Hole Compression Lug	239.31

26 05 83 00-0035		Two Hole Compression Lugs (26 05 83)	
26 05 83 00-0036	EA	#8 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	40.49
26 05 83 00-0037	EA	#6 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	43.38
26 05 83 00-0038	EA	#4 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	45.83
26 05 83 00-0039	EA	#2 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	52.72
26 05 83 00-0040	EA	1/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	65.16
26 05 83 00-0041	EA	2/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	76.57
26 05 83 00-0042	EA	3/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	89.66
26 05 83 00-0043	EA	4/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	108.20
26 05 83 00-0044	EA	250 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug	128.36

26 Electrical**26 05 Common Work Results for Electrical****26 05 83 Wiring Connections**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 83 00-0045	EA	300 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug.....	146.81	69.84
26 05 83 00-0046	EA	350 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug.....	157.85	75.23
26 05 83 00-0047	EA	400 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug.....	171.70	81.46
26 05 83 00-0048	EA	500 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug.....	187.63	88.97
26 05 83 00-0049	EA	750 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug.....	204.76	96.48
26 05 83 00-0050	EA	1,000 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug.....	252.52	117.37

26 05 83 00-0051 Tape Wrapped Split Bolt Connectors (26 05 83)

26 05 83 00-0052	EA	#8 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt	61.05	46.95
26 05 83 00-0053	EA	#6 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt	67.14	50.47
26 05 83 00-0054	EA	#4 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt	76.49	52.82
26 05 83 00-0055	EA	#2 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt	88.52	58.68
26 05 83 00-0056	EA	1/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt	104.22	64.56
26 05 83 00-0057	EA	2/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt	115.96	70.42
26 05 83 00-0058	EA	3/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt	144.61	76.29
26 05 83 00-0059	EA	4/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt	155.09	82.16
26 05 83 00-0060	EA	250 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt	163.35	88.03
26 05 83 00-0061	EA	300 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt	185.07	96.83
26 05 83 00-0062	EA	350 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt	206.78	140.85
26 05 83 00-0063	EA	400 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt	226.03	117.37
26 05 83 00-0064	EA	500 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt	245.28	158.45
26 05 83 00-0065	EA	750 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt	269.80	164.33
26 05 83 00-0066	EA	1,000 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt	303.12	176.06

26 05 83 00-0067 Cable Termination Lugs Handwrapped, No Stress Cone (26 05 83)

26 05 83 00-0068	EA	#8 Or #6 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt	97.68	46.95
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.65	
26 05 83 00-0069	EA	#4 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt	109.06	46.95
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.95	
26 05 83 00-0070	EA	1/0 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt	151.32	70.42
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.13	
26 05 83 00-0071	EA	4/0 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt	172.31	70.42
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.14	
26 05 83 00-0072	EA	300 MCM Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt	205.70	88.03
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	53.35	
26 05 83 00-0073	EA	500 MCM Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt	286.59	117.37
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	73.36	

26 05 83 00-0074 Terminal Blocks (26 05 83)

Note: Labor excludes wire termination.

26 05 83 00-0075	EA	Power Distribution Block, 250 MCM 3 Phase Terminal Block, No Labor Wire Termination, 600 Volt	996.29	434.28
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	260.83	
26 05 83 00-0076	EA	#22 To #10 Wire Size, 12 Point, 600 Volt Terminal Block.....	233.02	58.78
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.61	
26 05 83 00-0077	EA	#8 To #2 Wire Size, 12 Point, 600 Volt Terminal Block.....	254.73	58.78
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.99	

26 05 83 00-0078 Parallel Gutter Tap Or Motor Connection (26 05 83)

26 05 83 00-0079	EA	#8 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	40.49	21.25
26 05 83 00-0080	EA	#6 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	43.39	21.25
26 05 83 00-0081	EA	#4 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	45.83	21.25
26 05 83 00-0082	EA	#2 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	52.72	24.42
26 05 83 00-0083	EA	1/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	65.16	30.52
26 05 83 00-0084	EA	2/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	76.57	36.27
26 05 83 00-0085	EA	3/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	89.66	42.49
26 05 83 00-0086	EA	4/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	108.20	51.53
26 05 83 00-0087	EA	250 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	128.36	61.15
26 05 83 00-0088	EA	300 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	146.81	69.84
26 05 83 00-0089	EA	350 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	157.85	75.23
26 05 83 00-0090	EA	400 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	171.70	81.46
26 05 83 00-0091	EA	500 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	187.63	88.97
26 05 83 00-0092	EA	750 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	187.98	88.97
26 05 83 00-0093	EA	#8 AWG Parallel Gutter Tap, Versitap, Insulating Cover	40.49	21.25
26 05 83 00-0094	EA	#6 AWG Parallel Gutter Tap, Versitap, Insulating Cover	43.39	21.25
26 05 83 00-0095	EA	#4 AWG Parallel Gutter Tap, Versitap, Insulating Cover	45.83	21.25
26 05 83 00-0096	EA	#2 AWG Parallel Gutter Tap, Versitap, Insulating Cover	52.72	24.42
26 05 83 00-0097	EA	1/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover	65.16	30.52
26 05 83 00-0098	EA	2/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover	76.57	36.27
26 05 83 00-0099	EA	3/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover	89.66	42.49
26 05 83 00-0100	EA	4/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover	108.20	51.53
26 05 83 00-0101	EA	250 MCM Parallel Gutter Tap, Versitap, Insulating Cover	128.36	61.15
26 05 83 00-0102	EA	300 MCM Parallel Gutter Tap, Versitap, Insulating Cover	146.81	69.84
26 05 83 00-0103	EA	350 MCM Parallel Gutter Tap, Versitap, Insulating Cover	157.85	75.23
26 05 83 00-0104	EA	400 MCM Parallel Gutter Tap, Versitap, Insulating Cover	171.70	81.46
26 05 83 00-0105	EA	500 MCM Parallel Gutter Tap, Versitap, Insulating Cover	187.63	88.97
26 05 83 00-0106	EA	750 MCM Parallel Gutter Tap, Versitap, Insulating Cover	187.98	88.97

26 05 83 00-0107 Copper Mechanical Lugs (26 05 83)

26 05 83 00-0108	EA	#8 Copper Mechanical Lugs	33.57	14.67
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.81	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0109	EA	#6 Copper Mechanical Lugs	.....	40.27	17.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	.....	10.63	
26 05 83 00-0110	EA	#4 Copper Mechanical Lugs	.....	46.52	20.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	.....	12.32	
26 05 83 00-0111	EA	#2 Copper Mechanical Lugs	.....	60.96	26.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	.....	15.72	
26 05 83 00-0112	EA	1/0 Copper Mechanical Lugs	.....	82.11	35.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	.....	21.13	
26 05 83 00-0113	EA	2/0 Copper Mechanical Lugs	.....	98.01	40.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	.....	24.54	
26 05 83 00-0114	EA	3/0 Copper Mechanical Lugs	.....	114.72	46.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	.....	28.17	
26 05 83 00-0115	EA	4/0 Copper Mechanical Lugs	.....	130.68	52.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	.....	31.59	
26 05 83 00-0116	EA	250 MCM Copper Mechanical Lugs	.....	149.83	58.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	.....	35.21	
26 05 83 00-0117	EA	300 MCM Copper Mechanical Lugs	.....	168.70	64.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	.....	38.75	
26 05 83 00-0118	EA	350 MCM Copper Mechanical Lugs	.....	187.49	70.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	.....	42.25	
26 05 83 00-0119	EA	400 MCM Copper Mechanical Lugs	.....	206.16	76.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	.....	45.74	
26 05 83 00-0120	EA	500 MCM Copper Mechanical Lugs	.....	225.13	82.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	.....	49.30	
26 05 83 00-0121	EA	750 MCM Copper Mechanical Lugs	.....	255.09	93.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	.....	56.16	
26 05 83 00-0122	EA	1,000 MCM Copper Mechanical Lugs	.....	288.84	105.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	.....	63.38	
26 05 83 00-0123 Gel Connectors (26 05 83)					
26 05 83 00-0124	EA	3 Port, #14 to 2/0, Push On Gel Stub Splice Kit	.....	68.71	
		Note: Kit contains connector, gel filled cap and cap clamp.			
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	.....	3.53	
26 05 83 00-0125	EA	4 Port, #14 to 2, Gel Tap Splice Kit	.....	66.05	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	.....	4.23	
26 05 83 00-0126 Other Connections (26 05 83)					
26 05 83 00-0127	EA	#14 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape	.....	11.44	5.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	.....	3.22	
26 05 83 00-0128	EA	#12 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape	.....	11.51	5.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	.....	3.22	
26 05 83 00-0129	EA	#10 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape	.....	11.58	5.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	.....	3.22	
26 05 83 00-0130 Motor/Equipment Connections And Terminations (26 05 83)					
Note: Includes rotation testing. If equipment rating is other than horsepower (KW, CFM, tons, Btu/Hr, etc.) convert units to horsepower and select proper circuit characteristics. Includes material conduit (6 LF max.), connectors and conductors. To connect electrical wiring to all new or existing equipment motors. See CSI section 23 05 13 00-0000 for motors, 23 05 13 00-0216 for motor mounting.					
26 05 83 00-0131 AC Single Phase, 230 Volt (26 05 83 00-0130)					
26 05 83 00-0132	EA	<1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	.....	73.64	29.35
26 05 83 00-0133	EA	1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	.....	73.14	29.35
26 05 83 00-0134	EA	3/4 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	.....	85.48	35.21
26 05 83 00-0135	EA	1 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	.....	104.19	44.01
26 05 83 00-0136	EA	1-1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	.....	105.20	44.01
26 05 83 00-0137	EA	2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	.....	105.40	44.01
26 05 83 00-0138	EA	3 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	.....	108.71	44.01
26 05 83 00-0139	EA	5 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	.....	138.45	58.68
26 05 83 00-0140	EA	7-1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	.....	142.17	58.68
26 05 83 00-0141	EA	10 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	.....	179.84	73.36
26 05 83 00-0142 AC Three Phase, 230 Volt (26 05 83 00-0130)					
26 05 83 00-0143	EA	1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	.....	73.14	29.35
26 05 83 00-0144	EA	3/4 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	.....	85.48	35.21
26 05 83 00-0145	EA	1 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	.....	104.19	44.01
26 05 83 00-0146	EA	1-1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	.....	105.20	44.01
26 05 83 00-0147	EA	2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	.....	105.40	44.01
26 05 83 00-0148	EA	3 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	.....	108.71	44.01
26 05 83 00-0149	EA	5 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	.....	138.45	58.68
26 05 83 00-0150	EA	7-1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	.....	142.17	58.68
26 05 83 00-0151	EA	10 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	.....	179.84	73.36
26 05 83 00-0152	EA	15 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	.....	184.86	73.36
26 05 83 00-0153	EA	20 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	.....	233.98	88.03
26 05 83 00-0154	EA	25 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	.....	241.62	88.03
26 05 83 00-0155	EA	30 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	.....	330.13	117.37
26 05 83 00-0156	EA	40 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	.....	413.91	146.71
26 05 83 00-0157	EA	50 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	.....	487.27	176.06
26 05 83 00-0158	EA	60 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	.....	580.68	205.40
26 05 83 00-0159	EA	75 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	.....	667.68	234.75
26 05 83 00-0160	EA	100 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	.....	828.32	293.43
26 05 83 00-0161	EA	125 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	.....	977.83	349.19
26 05 83 00-0162	EA	150 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	.....	1,159.10	407.28

26 Electrical**26 05 Common Work Results for Electrical****26 05 83 Wiring Connections**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 83 00-0163 EA 200 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing..... 1,646.81 610.80

26 05 83 00-0164 AC Three Phase, 460 Volt (26 05 83 00-0130)

26 05 83 00-0165 EA 1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing..... 73.14 29.35
 26 05 83 00-0166 EA 3/4 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing..... 85.48 35.21
 26 05 83 00-0167 EA 1 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing..... 104.19 44.01
 26 05 83 00-0168 EA 1-1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing..... 105.20 44.01
 26 05 83 00-0169 EA 2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing..... 105.40 44.01
 26 05 83 00-0170 EA 3 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing..... 108.71 44.01
 26 05 83 00-0171 EA 5 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing..... 138.45 58.68
 26 05 83 00-0172 EA 7-1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing..... 142.17 58.68
 26 05 83 00-0173 EA 10 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing..... 179.84 73.36
 26 05 83 00-0174 EA 15 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing..... 184.86 73.36
 26 05 83 00-0175 EA 20 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing..... 233.99 88.03
 26 05 83 00-0176 EA 25 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing..... 241.61 88.03
 26 05 83 00-0177 EA 30 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing..... 330.13 117.37
 26 05 83 00-0178 EA 40 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing..... 414.26 146.95
 26 05 83 00-0179 EA 50 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing..... 487.27 176.06
 26 05 83 00-0180 EA 60 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing..... 580.68 205.40
 26 05 83 00-0181 EA 75 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing..... 667.68 234.75
 26 05 83 00-0182 EA 100 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing..... 828.32 293.43
 26 05 83 00-0183 EA 125 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing..... 978.16 349.30
 26 05 83 00-0184 EA 150 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing..... 1,159.55 407.52
 26 05 83 00-0185 EA 200 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing..... 1,647.83 611.28

26 05 83 00-0186 AC Single Phase, 120 Volt (26 05 83 00-0130)

26 05 83 00-0187 EA 1/2 HP AC And Less Single Phase, 120 Volt Motor/Equipment, Connection, Termination And Rotation Testing 73.64 29.35

26 05 83 00-0188 Motor Moisture Sensor (26 05 83 00-0130)

26 05 83 00-0189 EA Motor Moisture Sensor Located In Winding 753.49

26 09 Instrumentation and Control for Electrical Systems (26)

Note: Includes testing of new devices and certification.

26 09 10 Emergency Power Shutdown Management System (EPSMS) (26 09)**26 09 10 00-0001 Emergency Power Shutdown Management System (EPSMS)** (26 09 10)

26 09 10 00-0002 EA Emergency Power Shutdown Management System Panel (Fike 20-1181)..... 14,479.18
 26 09 10 00-0003 EA 14-1/2" x 18" x 5" Enclosure With Associated Display Devices For EPSMS (Fike 20-1386) 2,835.83 72.77
 26 09 10 00-0004 EA 18" x 23" x 5" Enclosure With Associated Display Devices For EPSMS (Fike 20-1389) 3,179.71 72.77

26 09 23 Lighting Control Devices (26 09)**26 09 23 00-0001 Lighting Contactors** (26 09 23)

Note: Up to 600 volt.

26 09 23 00-0002 Electrically Held, Lighting Contactors (26 09 23 00-0001)**26 09 23 00-0003 NEMA 1 Enclosure, Electrically Held, Lighting Contactors** (26 09 23 00-0002)**26 09 23 00-0004 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors** (26 09 23 00-0003)

26 09 23 00-0005 EA 20 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor..... 529.27 93.89
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 56.34
 26 09 23 00-0006 EA 30 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor..... 657.84 105.63
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 63.38
 26 09 23 00-0007 EA 60 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor 1,243.36 164.33
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 98.59
 26 09 23 00-0008 EA 100 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor..... 1,948.04 223.01
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 133.81
 26 09 23 00-0009 EA 200 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor..... 4,119.09 293.43
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 176.06

26 09 23 00-0010 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0003)

26 09 23 00-0011 EA 20 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor..... 597.86 105.63
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 63.38
 26 09 23 00-0012 EA 30 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor..... 720.72 117.37
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 70.43
 26 09 23 00-0013 EA 60 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor 1,342.85 187.80
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 112.68
 26 09 23 00-0014 EA 100 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor..... 2,101.94 246.48
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 147.89
 26 09 23 00-0015 EA 200 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor..... 4,418.88 322.78
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 193.66

26 09 23 00-0016 4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0003)

26 09 23 00-0017 EA 20 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor..... 706.46 117.37
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 70.43
 26 09 23 00-0018 EA 30 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor..... 852.08 129.10
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 77.47

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0019	EA	60 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,629.97 126.76	211.27
26 09 23 00-0020	EA	100 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,523.21 161.97	269.96
26 09 23 00-0021	EA	200 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,662.49 211.27	352.11
26 09 23 00-0022		NEMA 3R Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0002)		
26 09 23 00-0023		2-Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0022)		
26 09 23 00-0024	EA	30 Amperes, 2 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	878.36 63.38	105.63
26 09 23 00-0025	EA	60 Amperes, 2 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,790.78 98.59	164.33
26 09 23 00-0026	EA	100 Amperes, 2 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,703.21 133.81	223.01
26 09 23 00-0027		3-Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0022)		
26 09 23 00-0028	EA	30 Amperes, 3 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,266.30 70.43	117.37
26 09 23 00-0029	EA	60 Amperes, 3 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,962.59 112.68	187.80
26 09 23 00-0030	EA	100 Amperes, 3 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,978.93 147.89	246.48
26 09 23 00-0031	EA	200 Amperes, 3 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,950.16 193.66	322.78
26 09 23 00-0032		4-Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0022)		
26 09 23 00-0033	EA	30 Amperes, 4 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,191.75 77.47	129.10
26 09 23 00-0034	EA	60 Amperes, 4 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,965.73 126.76	211.27
26 09 23 00-0035	EA	100 Amperes, 4 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,692.76 161.97	269.96
26 09 23 00-0036		NEMA 4 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0002)		
26 09 23 00-0037		2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0036)		
26 09 23 00-0038	EA	20 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	892.28 56.34	93.89
26 09 23 00-0039	EA	30 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,139.12 63.38	105.63
26 09 23 00-0040	EA	60 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,203.11 98.59	164.33
26 09 23 00-0041	EA	100 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,311.20 133.81	223.01
26 09 23 00-0042	EA	200 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,445.76 176.06	293.43
26 09 23 00-0043		3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0036)		
26 09 23 00-0044	EA	20 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	922.93 63.38	105.63
26 09 23 00-0045	EA	30 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,202.01 70.43	117.37
26 09 23 00-0046	EA	60 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,305.41 112.68	187.80
26 09 23 00-0047	EA	100 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,464.17 147.89	246.48
26 09 23 00-0048	EA	200 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,744.61 193.66	322.78
26 09 23 00-0049		4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0036)		
26 09 23 00-0050	EA	20 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	996.66 70.43	117.37
26 09 23 00-0051	EA	30 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,333.37 77.47	129.10
26 09 23 00-0052	EA	60 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,966.87 126.76	211.27
26 09 23 00-0053	EA	100 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,259.77 161.97	269.96
26 09 23 00-0054	EA	200 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,020.21 211.27	352.11
26 09 23 00-0055		NEMA 12/3R Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0002)		
26 09 23 00-0056		2-Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0055)		
26 09 23 00-0057	EA	60 Amperes, 2 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,697.67 98.59	164.33
26 09 23 00-0058	EA	100 Amperes, 2 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,830.34 133.81	223.01

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI UOM DESCRIPTION		UNIT COST		UNIT COST	
26 09 23 00-0059	EA 200 Amperes, 2 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,573.82 176.06		293.43	
26 09 23 00-0060	3-Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0055)				
26 09 23 00-0061	EA 60 Amperes, 3 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,880.42 112.68		187.80	
26 09 23 00-0062	EA 100 Amperes, 3 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,071.30 147.89		246.48	
26 09 23 00-0063	4-Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0055)				
26 09 23 00-0064	EA 60 Amperes, 4 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,463.17 126.76		211.27	
26 09 23 00-0065	EA 100 Amperes, 4 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,026.52 161.97		269.96	
26 09 23 00-0066	Mechanically Held, Lighting Contactors (26 09 23 00-0001)				
26 09 23 00-0067	NEMA 1 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0066)				
26 09 23 00-0068	2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0067)				
26 09 23 00-0069	EA 20 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	793.84 56.34		93.89	
26 09 23 00-0070	EA 30 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	903.64 63.38		105.63	
26 09 23 00-0071	EA 60 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,721.83 98.59		164.33	
26 09 23 00-0072	EA 100 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,401.17 133.81		223.01	
26 09 23 00-0073	EA 200 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,590.14 176.06		293.43	
26 09 23 00-0074	3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0067)				
26 09 23 00-0075	EA 20 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	847.05 63.38		105.63	
26 09 23 00-0076	EA 30 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	968.40 70.43		117.37	
26 09 23 00-0077	EA 60 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,824.13 112.68		187.80	
26 09 23 00-0078	EA 100 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,556.01 147.89		246.48	
26 09 23 00-0079	EA 200 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,288.66 193.66		322.78	
26 09 23 00-0080	4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0067)				
26 09 23 00-0081	EA 20 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	913.60 70.43		117.37	
26 09 23 00-0082	EA 30 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,031.28 77.47		129.10	
26 09 23 00-0083	EA 60 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,136.58 126.76		211.27	
26 09 23 00-0084	EA 100 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,004.49 161.97		269.96	
26 09 23 00-0085	EA 200 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,602.63 211.27		352.11	
26 09 23 00-0086	NEMA 4 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0066)				
26 09 23 00-0087	2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0086)				
26 09 23 00-0088	EA 20 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,202.99 56.34		93.89	
26 09 23 00-0089	EA 30 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,384.93 63.38		105.63	
26 09 23 00-0090	EA 60 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,684.39 98.59		164.33	
26 09 23 00-0091	EA 100 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,764.34 133.81		223.01	
26 09 23 00-0092	EA 200 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,914.94 176.06		293.43	
26 09 23 00-0093	3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0086)				
26 09 23 00-0094	EA 20 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,269.53 63.38		105.63	
26 09 23 00-0095	EA 30 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,449.69 70.43		117.37	
26 09 23 00-0096	EA 60 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,786.70 112.68		187.80	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0097	EA	100 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,920.12 147.89	246.48
26 09 23 00-0098	EA	200 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,615.33 193.66	322.78
26 09 23 00-0099		4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0099) (0086)		
26 09 23 00-0100	EA	20 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,341.21 70.43	117.37
26 09 23 00-0101	EA	30 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,512.56 77.47	129.10
26 09 23 00-0102	EA	60 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,473.48 126.76	211.27
26 09 23 00-0103	EA	100 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,741.05 161.97	269.96
26 09 23 00-0104	EA	200 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,891.87 211.27	352.11
26 09 23 00-0105		NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0086)		
26 09 23 00-0106		2-Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0105)		
26 09 23 00-0107	EA	30 Amperes, 2 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	741.74 63.38	105.63
26 09 23 00-0108	EA	60 Amperes, 2 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,375.61 98.59	187.80
26 09 23 00-0109	EA	100 Amperes, 2 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,874.55 133.81	223.01
26 09 23 00-0110	EA	200 Amperes, 2 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,400.73 176.06	293.43
26 09 23 00-0111		3-Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0105)		
26 09 23 00-0112	EA	30 Amperes, 3 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	789.07 70.43	117.37
26 09 23 00-0113		4-Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0105)		
26 09 23 00-0114	EA	200 Amperes, 4 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,943.73 211.27	352.11
26 09 23 00-0115		Combination Lighting Contactors (26 09 23) Note: Up to 600 volt.		
26 09 23 00-0116		Electrically Held, Combination Lighting Contactors (26 09 23 00-0115)		
26 09 23 00-0117		NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactors (26 09 23 00-0115)		
26 09 23 00-0118		3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactors (26 09 23 00-0117)		
26 09 23 00-0119	EA	30 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,545.86 77.47	129.10
26 09 23 00-0120	EA	60 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,422.72 123.95	206.57
26 09 23 00-0121	EA	100 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,928.13 162.68	271.13
26 09 23 00-0122	EA	200 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,207.42 213.03	355.05
26 09 23 00-0123		NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactors (26 09 23 00-0116)		
26 09 23 00-0124		3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactors (26 09 23 00-0123)		
26 09 23 00-0125	EA	30 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,827.88 77.47	129.10
26 09 23 00-0126	EA	60 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,398.51 123.95	206.57
26 09 23 00-0127	EA	100 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,375.92 162.68	271.13
26 09 23 00-0128	EA	200 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,617.78 213.03	355.05
26 09 23 00-0129		Mechanically Held, Combination Lighting Contactors (26 09 23 00-0115)		

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 09 23 00-0130	NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactors ^(26 09 23 00-0129)				
26 09 23 00-0131	3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactors ^(26 09 23 00-0130)				
26 09 23 00-0132	EA	30 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	1,692.22	129.10	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	77.47		
26 09 23 00-0133	EA	60 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	2,929.33	206.57	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	123.95		
26 09 23 00-0134	EA	100 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	4,408.01	271.13	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	162.68		
26 09 23 00-0135	EA	200 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	8,571.06	355.05	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	213.03		
26 09 23 00-0136	NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactors ^(26 09 23 00-0129)				
26 09 23 00-0137	3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactors ^(26 09 23 00-0136)				
26 09 23 00-0138	EA	30 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	2,975.64	129.10	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	77.47		
26 09 23 00-0139	EA	60 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	4,907.94	206.57	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	123.95		
26 09 23 00-0140	EA	100 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	7,857.20	271.13	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	162.68		
26 09 23 00-0141	EA	200 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	12,981.42	355.05	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	213.03		
26 09 23 00-0142	Photo-Cell, Relay, Lighting Arrester, Receptacle And Bracket ^(26 09 23)				
26 09 23 00-0143	EA	105 To 130 Volt Relay, Photo-Cell, Lighting Arrester, Receptacle And Bracket	131.00	30.52	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.34		
26 09 23 00-0144	EA	105 To 285 Volt Relay, Photo-Cell, Lighting Arrester, Receptacle And Bracket	142.58	30.52	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.34		
26 09 23 00-0145	Dimming Module System (Lutron Grafik Eye) ^(26 09 23)				
26 09 23 00-0146	EA	2,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-2)	1,784.96	117.37	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	70.43		
26 09 23 00-0147	EA	4,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-4)	2,311.46	117.37	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	70.43		
26 09 23 00-0148	EA	6,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-6)	2,847.35	117.37	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	70.43		
26 09 23 00-0149	Dimming Module Contol (Leviton) ^(26 09 23)				
26 09 23 00-0150	EA	5 Amperes, Wireless Dimming Module (Leviton WSD05-9D0)	231.03	14.70	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.82		
26 09 23 00-0151	Light Control Panels ^(26 09 23)				
26 09 23 00-0152	Lighting Control Panels (Watt Stopper) ^(26 09 23 00-0151)				
26 09 23 00-0153	Lighting Control Panels (Watt Stopper) ^(26 09 23 00-0152)				
26 09 23 00-0154	EA	4 Relays, Surface Mount, Lighting Control Panel (Watt Stopper LP8S-4)	1,951.77	164.60	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	98.76		
26 09 23 00-0155	EA	8 Relays, Surface Mount, Lighting Control Panel (Watt Stopper LP8S-8)	1,827.68	176.36	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	105.81		
26 09 23 00-0156	EA	8 Relays, Surface Mount, Lighting Control Panel With Group Switching Card (Watt Stopper LP8S-8-G)	2,058.26	176.36	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	105.81		
26 09 23 00-0157	EA	8 Relays, Surface Mount, Lighting Control Panel With DIN Rail (Watt Stopper LP24S-8)	3,090.14	176.36	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	105.81		
26 09 23 00-0158	EA	8 Relays, Surface Mount, Lighting Control Panel With Group Switching Card And DIN Rail (Watt Stopper LP24S-8-G)	3,360.85	176.36	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	105.81		
26 09 23 00-0159	EA	4 Relays, Flush Mount, Lighting Control Panel (Watt Stopper LP8F-4)	2,173.52	164.60	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	98.76		
26 09 23 00-0160	EA	8 Relays, Flush Mount, Lighting Control Panel (Watt Stopper LP8F-8)	2,332.27	176.36	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	105.81		
26 09 23 00-0161	EA	8 Relays, Flush Mount, Lighting Control Panel With Group Switching Card (Watt Stopper LP8F-8-G)	2,602.71	176.36	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	105.81		
26 09 23 00-0162	EA	8 Relays, Flush Mount, Lighting Control Panel With DIN Rail (Watt Stopper LP24F-8)	3,198.32	176.36	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	105.81		
26 09 23 00-0163	EA	8 Relays, Flush Mount, Lighting Control Panel With Group Switching Card And DIN Rail (Watt Stopper LP24F-8-G)	3,469.01	176.36	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	105.81		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0164			Accessories For Lighting Control Panels (Watt Stopper) (26 09 23 00-0152)		
26 09 23 00-0165	EA		Low Voltage Photocell For Watt Stopper Lighting Control Panels (Watt Stopper EM-24A2)	187.33	29.40
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.63	
26 09 23 00-0166	EA		Automatic Control Switch For Watt Stopper Lighting Control Panels (Watt Stopper AS-100-W).....	144.06	23.51
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.11	
26 09 23 00-0167	EA		Low Voltage Momentary Switch For Watt Stopper Lighting Control Panels (Watt Stopper DCC2)	74.50	23.51
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.11	
26 09 23 00-0168			Lighting Control Panels (Synergy) (26 09 23 00-0151)		
26 09 23 00-0169			Lighting Control Panels (Synergy) (26 09 23 00-0168)		
26 09 23 00-0170	EA		8 Relays, Surface Mount, Lighting Control Panel (Synergy SwitchPak SPAK 8S)	2,834.15	176.36
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	105.81	
26 09 23 00-0171			Accessories For Lighting Control Panels (Synergy) (26 09 23 00-0168)		
26 09 23 00-0172	EA		Outdoor Photocell For Synergy SwitchPak Lighting Control Panels (Synergy LSA-APS-OL)	697.24	29.40
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.63	
26 09 23 00-0173	EA		Sweepswitch, Line Voltage Override Switch For Synergy SwitchPak Lighting Control Panels (Synergy SSPL-20).....	270.00	11.76
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.05	
26 09 23 00-0174	EA		Override Switch For Synergy SwitchPak Lighting Control Panels (Synergy LVPS-2BT)	151.27	17.64
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.58	
26 09 23 00-0175			Lighting Switching Panels (Lutron) (26 09 23 00-0151)		
26 09 23 00-0176			Lighting Switching Panels (Lutron) (26 09 23 00-0175)		
26 09 23 00-0177	EA		8 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS8-FT).....	2,301.29	176.36
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	105.81	
26 09 23 00-0178	EA		12 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS12-FT).....	3,163.39	188.12
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	112.87	
26 09 23 00-0179	EA		16 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS16-FT).....	4,149.48	199.87
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	119.92	
26 09 23 00-0180			Wireless (ZigBee) LED Lighting Control Panels (PlanLED GigaTera) (26 09 23 00-0151)		
26 09 23 00-0181	EA		6 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC6Z)	1,532.01	164.60
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	98.76	
26 09 23 00-0182	EA		12 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC12Z)	1,750.70	164.60
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	98.76	
26 09 23 00-0183	EA		18 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC18Z)	1,969.39	164.60
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	98.76	
26 09 23 00-0184			Power Filters (26 09 23 00-0151)		
26 09 23 00-0185	EA		600 Amperes, 480/277 Volt, 4 Conductor Power Filter With 80" X 60" X 17" Enclosure	36,624.37	978.06
26 09 23 00-0186	EA		200 Amperes, 480/277 Volt, 4 Conductor Power Filter With 25" X 40" X 17" Enclosure	21,651.42	425.24
26 09 23 00-0187			Signal Filters (26 09 23 00-0151)		
26 09 23 00-0188	EA		0.5 Amperes, 125 Volt, 500 Conductor Signal Filter With 19" X 36-3/4" X 19-1/8 Case	16,801.24	889.21
26 09 23 00-0189	EA		0.5 Amperes, 125 Volt, 200 Conductor Signal Filter With 29" X 40" X 11" Case	11,487.23	543.43
26 09 23 00-0190	EA		0.5 Amperes, 125 Volt, 3 Pair Conductor Signal Filter With 12" X 12" X 4" Case.....	6,409.06	315.50
26 09 23 00-0191	EA		5 Amperes, 24 Volt DC, 5 Volt, 2 - 1 Pair Conductor Signal Filter With Case.....	8,720.27	315.50
26 09 23 00-0192			Lighting Control Devices (Encelium) (26 09 23)		
26 09 23 00-0193	EA		8 Port, G4, Wired Energy Control Unit, GreenBus II™ (120 Volt) With Polaris 3D™ (Encelium EN-ECU-G4-P3D)	16,541.44	117.57
			Note: Excludes GB II cable.		
26 09 23 00-0194	EA		Server, System Support Unit (SSU) (Encelium EN-SSU-1U)	7,550.25	117.57
			Note: Excludes GB II and Ethernet cable.		
26 09 23 00-0195	EA		Server, System Support Unit (SSU), VIRTUAL (Encelium EN-SW-SSUVIRT)	3,919.13	117.57
			Note: Excludes GB II and Ethernet cable.		
26 09 23 00-0196	EA		Server, System Support Unit (SSU) With BACnet (Encelium EN-SSU-BIF-KIT)	16,638.86	117.57
			Note: Excludes GB II and Ethernet cable.		
26 09 23 00-0197	EA		Isolated, Wired Luminaire Control Module (Encelium EN-iLCM-1R10V-GB2-BK)	128.31	14.70
			Note: Excludes GB II cable.		
26 09 23 00-0198	EA		Damp Rated, Isolated, Wired Luminaire Control Module (Encelium EN-iLCM-1R10V-GB2-BK/DR).....	200.25	14.70
			Note: Excludes GB II cable.		
26 09 23 00-0199	EA		Wired Area Lighting Controller, Heavy-Duty Relay With 0-10V Dimming (Encelium EN-ALC-1R10V-GB2-BK).....	249.96	29.40
			Note: Excludes GB II cable.		
26 09 23 00-0200	EA		Damp Rated, Wired Area Lighting Controller, Heavy-Duty Relay With 0-10V Dimming (Encelium EN-ALC-1R10V-GB2-BK-DR).....	302.84	29.40
			Note: Excludes GB II cable.		
26 09 23 00-0201	EA		Wired Sensor Interface Module (Encelium EN-SIM-AI/SPS-GB2-BK)	157.69	29.40
			Note: Excludes GB II cable.		
26 09 23 00-0202	EA		Damp Rated, Wired Sensor Interface Module (Encelium EN-SIM-AI/SPS-GB2-BK/DR).....	229.63	29.40
			Note: Excludes GB II cable.		
26 09 23 00-0203	EA		16 Port, Rack Mounted, Wired Ethernet Switch (Encelium ETH-700)	581.28	58.78
			Note: Excludes cable.		
26 09 23 00-0204	EA		Rack Mounted, Wired Power Bar (Encelium PWR-700)	433.49	58.78

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 09 23 00-0205	EA	Rack Mounted, Wired Power Bar With Surge Protection (Encelium PWR-800)	805.02	58.78
26 09 23 00-0206	EA	Wall Mounted, 4U Mounting Rack (Encelium RCK-700).....	266.47	58.78
26 09 23 00-0207	EA	4 Port, 10/100 VPN, Dual WAN, Wired Router (Encelium RV042)	903.99	58.78
		Note: Excludes cable.		
26 09 23 00-0208	EA	Wired BACnet Interface (Encelium BIF-600)	9,558.89	235.14
		Note: Excludes cable.		
26 09 23 00-0209	EA	Wired AV Interface (Encelium EN-SW-AVINT)	7,100.47	58.78
		Note: Excludes cable.		
26 09 23 00-0210	EA	Two Button, GB2, Wired Wall Station (Encelium EN-WS-2B-GB2-WH)	263.30	14.70
		Note: Includes white finish. Excludes GB II cable.		
26 09 23 00-0211	EA	3 Scene, GB2, Wired Wall Station (Encelium EN-WS-SC3-GB2-WH).....	321.74	14.70
		Note: Includes white finish. Excludes GB II cable.		
26 09 23 00-0212	EA	3 Zone, GB2, Wired Wall Station (Encelium EN-WS-ZC3-GB2-WH).....	307.64	14.70
		Note: Includes white finish. Excludes GB II cable.		
26 09 23 00-0213	EA	5 Scene, GB2, Wired Wall Station (Encelium EN-WS-SC5-GB2-WH).....	321.74	14.70
		Note: Includes white finish. Excludes GB II cable.		
26 09 23 00-0214	EA	6 Zone, GB2, Wired Wall Station (Encelium EN-WS-ZC6-GB2-WH).....	307.64	14.70
		Note: Includes white finish. Excludes GB II cable.		
26 09 23 00-0215	EA	Rocker Switch, GB2, Wired Wall Station (Encelium EN-WS-R-GB2-WT).....	231.70	14.70
		Note: Includes white finish. Excludes GB II cable.		
26 09 23 00-0216	EA	Scene Controller, GB2, Wired Wall Station (Encelium EN-WS-SC3D-GB2-WT).....	321.74	14.70
		Note: Includes white finish. Excludes GB II cable.		
26 09 23 00-0217	EA	3 Zone Controller, GB2, Wired Wall Station (Encelium EN-WS-ZC3-GB2-WT).....	307.64	14.70
		Note: Includes white finish. Excludes GB II cable.		
26 09 23 00-0218	EA	Wired Key Switch Controller (Encelium KSW-300)	226.02	14.70
		Note: Excludes GB II cable.		
26 09 23 00-0219	EA	Wall Station Surface Mount Kit (Encelium EN-SMK-ZB-WH)	94.49	14.70
		Note: Includes white finish.		
26 09 23 00-0220	EA	1/2' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-0.5FT-GB2)	73.57	29.40
26 09 23 00-0221	EA	1' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-01FT-GB2)	74.19	29.40
26 09 23 00-0222	EA	5' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-05FT-GB2)	79.17	29.40
26 09 23 00-0223	EA	10' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-10FT-GB2)	84.09	29.40
26 09 23 00-0224	EA	15' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-15FT-GB2)	89.96	29.40
26 09 23 00-0225	EA	20' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-20FT-GB2)	95.25	29.40
26 09 23 00-0226	EA	25' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-25FT-GB2)	101.75	29.40
26 09 23 00-0227	EA	50' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-50FT-GB2)	131.14	29.40
26 09 23 00-0228	EA	1,000' Box, GreenBus II™ Cable (Encelium EN-BC-1000FT-GB2)	873.99	29.40
26 09 23 00-0229	EA	Box Of 50, Greenbus II™ Connectors (Encelium EN-CON-50-GB2).....	207.93	29.40
26 09 23 00-0230	EA	1,000' Box, Category 5, Network Cable (Encelium NWC-400-B).....	1,129.94	29.40
26 09 23 00-0231	EA	Indoor Wired Photo Sensor (Encelium PHS-700)	653.16	58.78
		Note: Excludes GB II cable.		
26 09 23 00-0232	EA	Outdoor Wired Photo Sensor (Encelium PHS-800)	653.16	58.78
		Note: Excludes GB II cable.		
26 09 23 00-0233	EA	Skylight Wired Photo Sensor (Encelium PHS-900).....	653.16	58.78
		Note: Excludes GB II cable.		
26 09 23 00-0234	EA	450 SF, 360 Degree, Passive Infrared, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCP-0450).....	334.68	58.78
		Note: Excludes GB II cable.		
26 09 23 00-0235	EA	1,500 SF, 360 Degree, Passive Infrared, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCP-1500).....	324.00	58.78
		Note: Excludes GB II cable.		
26 09 23 00-0236	EA	2,500 SF, Wide View, Passive Infrared, Wall Mounted, Wired Occupancy Sensor (Encelium SWP-WV00)	331.12	58.78
		Note: Excludes GB II cable.		
26 09 23 00-0237	EA	High-Bay, Passive Infrared, Wall Mounted, Wired Occupancy Sensor (Encelium SWP-HBAY).....	366.71	58.78
		Note: Excludes GB II cable.		
26 09 23 00-0238	EA	Long-Range, Passive Infrared, Wall Mounted, Wired Occupancy Sensor (Encelium SWP-LRNG).....	331.12	58.78
		Note: Excludes GB II cable.		
26 09 23 00-0239	EA	120-277 Volt AC, No Neutral, Passive Infrared, Wall Switch Mounted, Wired Occupancy Sensor (Encelium SSP-LNV)	259.95	58.78
		Note: Excludes GB II cable.		
26 09 23 00-0240	EA	High Bay, Passive Infrared, Fixture Mounted, Wired Occupancy Sensor (Encelium WSPERM24V)	276.22	58.78
		Note: Excludes GB II cable.		
26 09 23 00-0241	EA	High Bay, Passive Infrared, Surface Mounted, Wired Occupancy Sensor (Encelium WSPSM24V).....	276.22	58.78
		Note: Excludes GB II cable.		
26 09 23 00-0242	EA	360 Degree Lens, Wired Occupancy Sensor (Encelium WSPLENS360)	140.63	58.78
		Note: Excludes GB II cable.		
26 09 23 00-0243	EA	Passive Infrared, Wall Switch Mounted, Wired Occupancy Sensor (Encelium PW-100-24)	339.93	58.78
		Note: Excludes GB II cable.		
26 09 23 00-0244	EA	Hallway, Wired Occupancy Sensor (Encelium HW-13).....	485.02	58.78
		Note: Excludes GB II cable.		
26 09 23 00-0245	EA	500 SF, 180 Degree, (Multi) Passive Infrared And Ultrasonic, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCM-0500)	423.66	58.78
		Note: Excludes GB II cable.		
26 09 23 00-0246	EA	1,000 SF, 360 Degree, (Multi) Passive Infrared And Ultrasonic, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCM-1000)	452.13	58.78
		Note: Excludes GB II cable.		
26 09 23 00-0247	EA	2,000 SF, 360 Degree, (Multi) Passive Infrared And Ultrasonic, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCM-2000)	466.38	58.78
		Note: Excludes GB II cable.		
26 09 23 00-0248	EA	1,200 SF, (Multi) Passive Infrared And Ultrasonic, Wall Mounted, Wired Occupancy Sensor (Encelium SWM-1200)	420.10	58.78
		Note: Excludes GB II cable.		
26 09 23 00-0249	EA	120-277 Volt AC, No Neutral, Passive Infrared And Ultrasonic, Wall Switch Mounted, Wired Occupancy Sensor (Encelium SSM-LNV).....	348.93	58.78
		Note: Excludes GB II cable.		
26 09 23 00-0250	EA	500 SF, 180 Degree, Dual Technology, Ceiling Mounted, Wired Occupancy Sensor (Encelium OSC05-M0W)	438.97	58.78
		Note: Excludes GB II cable.		
26 09 23 00-0251	EA	1,200 SF, 360 Degree, Dual Technology, Wall Mounted, Wired Occupancy Sensor (Encelium OSW12-M0W)	435.24	58.78
		Note: Excludes GB II cable.		
26 09 23 00-0252	EA	2,000 SF, 360 Degree, Dual Technology, Ceiling Mounted, Wired Occupancy Sensor (Encelium OSC20-M0W)	483.81	58.78
		Note: Excludes GB II cable.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0253	EA		1,000 SF, 360 Degree, Dual Technology, Ceiling Mounted, Wired Occupancy Sensor (Encelium OSC10-M0W).....	468.88	58.78
			Note: Excludes GB II cable.		
26 09 23 00-0254	EA		Dual Technology, Wall Switch Mounted, Wired Occupancy Sensor (Encelium DW-100-24).....	505.37	58.78
			Note: Excludes GB II cable.		
26 09 23 00-0255	EA		Dual Technology, Wall Switch Mounted, Wired Occupancy Sensor (Encelium WSD-PDT-LV).....	469.02	58.78
			Note: Excludes GB II cable.		
26 09 23 00-0256	EA		Wide View, Dual Technology, Wired Occupancy Sensor (Encelium WV-PDT)	469.02	58.78
			Note: Excludes GB II cable.		
26 09 23 00-0257	EA		10 Amperes, 120 Volt, Single Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESRU1C).....	305.00	58.78
26 09 23 00-0258	EA		10A, 277V, Single Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESRH1C)	327.37	58.78
26 09 23 00-0259	EA		20 Amperes, 120 Volt, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR01P).....	580.78	58.78
26 09 23 00-0260	EA		20A, 277V, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR02P).....	621.86	58.78
26 09 23 00-0261	EA		10 Amperes, 120 Volt, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR2401D).....	456.15	58.78
26 09 23 00-0262	EA		10A, 277V, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR2402D).....	476.00	58.78
26 09 23 00-0263	EA		24 Circuit, Relay Module (Encelium EN-RPM-24C-GB2)	1,374.10	117.57
			Note: Excludes GB II cable and enclosure.		
26 09 23 00-0264	EA		24 Circuit, 120/277V, Relay Panel With Relay Module (Encelium EN-RP-24C-GB2-120/277V)	4,276.08	470.28
			Note: Excludes GB II cable.		
26 09 23 00-0265	EA		12 Relays, 24 Circuit, 120-347V, Emergency Relay Panel (Encelium EN-RPA12R120-347V)	6,277.40	470.28
			Note: Excludes GB II cable.		
26 09 23 00-0266	EA		24 Relays, 24 Circuit, 120-347V, Emergency Relay Panel (Encelium EN-RPA24R120-347V)	8,278.70	470.28
			Note: Excludes GB II cable.		
26 09 23 00-0267	EA		Wired Phase Cut Dimming Module (Encelium EN-PCDM-GB2).....	687.05	58.78
			Note: Excludes GB II cable.		
26 09 23 00-0268	EA		Wired DALI Bridge (Encelium EN-DB-1L-GB2)	788.75	58.78
			Note: Excludes GB II cable.		
26 09 23 00-0269	EA		Wireless Manager (Encelium EN-WM-ZB-P3D)	2,151.42	58.78
			Note: Includes white finish.		
26 09 23 00-0270	EA		Wireless Control Module (Encelium EN-WCM-ZB).....	289.28	29.40
26 09 23 00-0271	EA		Damp Rated, Wireless Control Module (Encelium EN-WCM-ZB-DR)	343.52	29.40
26 09 23 00-0272	EA		Wireless Area Lighting Controller (Encelium EN-ALC-ZB-BK).....	344.87	29.40
26 09 23 00-0273	EA		Damp Rated, Wireless Area Lighting Controller (Encelium EN-ALC-ZB-BK-DR)	357.66	29.40
26 09 23 00-0274	EA		2 Button Switch, Wireless Wall Station (Encelium EN-WS-2B-ZB-WH).....	259.90	14.70
			Note: Includes white finish.		
26 09 23 00-0275	EA		3 Scene Control, Wireless Wall Station (Encelium EN-WS-SC3-ZB-WH)	259.90	14.70
			Note: Includes white finish.		
26 09 23 00-0276	EA		3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH)	259.90	14.70
			Note: Includes white finish.		
26 09 23 00-0277	EA		5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH)	259.90	14.70
			Note: Includes white finish.		
26 09 23 00-0278	EA		6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH)	259.90	14.70
			Note: Includes white finish.		
26 09 23 00-0279	EA		Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW)	268.71	14.70
26 09 23 00-0280	EA		315 MHz, Wireless Photocell (Encelium TAP-17C)	565.02	58.78
26 09 23 00-0281	EA		450 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB)	348.07	58.78
26 09 23 00-0282	EA		1,500 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB)	348.07	58.78
26 09 23 00-0283	EA		1,500 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB-DR).....	402.31	58.78
26 09 23 00-0284	EA		450 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB-DR).....	402.31	58.78
26 09 23 00-0285	EA		2 Button Switch, Wireless Wall Station (Encelium EN-WS-2B-ZB-WH).....	259.90	14.70
			Note: Includes white finish.		
26 09 23 00-0286	EA		3 Scene Control, Wireless Wall Station (Encelium EN-WS-SC3-ZB-WH)	259.90	14.70
			Note: Includes white finish.		
26 09 23 00-0287	EA		3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH)	259.90	14.70
			Note: Includes white finish.		
26 09 23 00-0288	EA		5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH)	259.90	14.70
			Note: Includes white finish.		
26 09 23 00-0289	EA		6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH)	259.90	14.70
			Note: Includes white finish.		
26 09 23 00-0290	EA		Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW)	268.71	14.70
			Note: Includes white finish.		
26 09 23 00-0291	EA		315 MHz, Wireless Photocell (Encelium TAP-17C)	565.02	58.78
26 09 23 00-0292	EA		3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH)	259.90	14.70
26 09 23 00-0293	EA		5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH)	259.90	14.70
26 09 23 00-0294	EA		6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH)	259.90	14.70
26 09 23 00-0295	EA		Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW)	268.71	14.70
26 09 23 00-0296	EA		315 MHz, Wireless Photocell (Encelium TAP-17C)	565.02	58.78
26 09 23 00-0297	EA		450 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB)	348.07	58.78
26 09 23 00-0298	EA		1,500 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB)	348.07	58.78
26 09 23 00-0299	EA		1,500 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB-DR).....	402.31	58.78
26 09 23 00-0300	EA		450 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB-DR).....	402.31	58.78
26 09 23 00-0301	EA		2 Button Switch, Wireless Wall Station (Encelium EN-WS-2B-ZB-WH).....	259.90	14.70
			Note: Includes white finish.		
26 09 23 00-0302	EA		3 Scene Control, Wireless, Wall Station (Encelium EN-WS-SC3-ZB-WH)	259.90	14.70
			Note: Includes white finish.		
26 09 23 00-0303	EA		3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH)	259.90	14.70
			Note: Includes white finish.		
26 09 23 00-0304	EA		5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH)	259.90	14.70
			Note: Includes white finish.		
26 09 23 00-0305	EA		6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH)	259.90	14.70
			Note: Includes white finish.		
26 09 23 00-0306	EA		Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW)	268.71	14.70
26 09 23 00-0307	EA		315 MHz, Wireless Photocell (Encelium TAP-17C)	565.02	58.78
26 09 23 00-0308	EA		Ceiling Mounted, Wireless Mounting Kit (Encelium EN-SCPPH-MK-ZB)	148.75	58.78
26 09 23 00-0309	EA		Wireless Ethernet Transceiver Unit (cns-enocean Connectivity Kit)	743.44	58.78

26 09 23 00-0310 Lighting Control Sensors (26 09 23)

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI UOM DESCRIPTION		UNIT COST		UNIT COST	
26 09 23 00-0311	EA	DALI Multi Sensor, 600 SF (Fifthlight FLT-MTS6-DALI)	397.30	26.45	
26 09 23 00-0312	EA	DALI Multi Sensor, 1,200 SF (Fifthlight FLT-MTS12-DALI)	397.30	26.45	
26 09 23 00-0313	EA	Smart Multi-sensor (LG 9SD131VVDA.ALWB000)	347.31	26.45	
26 09 23 00-0314	EA	Zigbee Dongle (LG 9CM2315VD2.AWP01U)	103.85	17.64	
26 09 23 00-0315	EA	Clip for Performance Troffer (LG BKTTR015122.BUAAWAA)	7.97		
26 09 23 00-0316	EA	Clip for Downlight (BKTCE015123.BUAAWAA)	67.99		
26 09 23 00-0317	EA	Clip for Tube (LG BKTU015121.BUAAWAA)	11.61		
26 09 23 00-0318		Radio Controlled Devices (Lutron) (26 09 23)			
26 09 23 00-0319		Tabletop Transmitters For Radio Controlled Devices (26 09 23 00-0318)			
26 09 23 00-0320		Switched Lighting Controls, Tabletop Wireless Transmitter (26 09 23 00-0319)			
26 09 23 00-0321	EA	One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-SW-B-WH)	528.17	17.64	
26 09 23 00-0322	EA	Two Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2SW-B-WH)	687.78	17.64	
26 09 23 00-0323	EA	Three Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3SW-B-WH)	867.34	17.64	
26 09 23 00-0324		Dimmable Lighting Controls, Tabletop Wireless Transmitter (26 09 23 00-0319)			
26 09 23 00-0325	EA	One Zone Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L-B-WH)	528.17	17.64	
26 09 23 00-0326	EA	Two Zones Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2L-B-WH)	627.93	17.64	
26 09 23 00-0327	EA	Three Zones Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3L-B-WH)	867.34	17.64	
26 09 23 00-0328	EA	One Zone Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L-WH)	528.17	17.64	
26 09 23 00-0329	EA	Two Zones Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2L-WH)	687.78	17.64	
26 09 23 00-0330	EA	Three Zones Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3L-WH)	867.34	17.64	
26 09 23 00-0331		Dimmable And Switched Lighting Controls, Tabletop Wireless Transmitter (26 09 23 00-0319)			
26 09 23 00-0332	EA	One Zone Of Dimmable Lighting Controls And One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LSW-B-WH)	687.78	17.64	
26 09 23 00-0333	EA	Two Zones Of Dimmable Lighting Controls And One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LSW-B-WH)	867.34	17.64	
26 09 23 00-0334	EA	One Zone Of Dimmable Lighting Controls And Two Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2SW-B-WH)	867.34	17.64	
26 09 23 00-0335		Dimmable Lighting Controls And Shade Or Projection Controls, Tabletop Wireless Transmitter (26 09 23 00-0319)			
26 09 23 00-0336	EA	One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-C3-B-WH)	528.17	17.64	
26 09 23 00-0337	EA	Two Zones Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2C3-B-WH)	687.78	17.64	
26 09 23 00-0338	EA	One Zone Of Dimmable Lighting Controls And One Zone Of Output Switch Projection Screen Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LC2-B-WH)	627.93	17.64	
26 09 23 00-0339	EA	Two Zones Of Dimmable Lighting Controls And One Zone Of Output Switch Projection Screen Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LC2-B-WH)	767.59	17.64	
26 09 23 00-0340	EA	One Zone Of Dimmable Lighting Controls And One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LC3-B-WH)	687.78	17.64	
26 09 23 00-0341	EA	Two Zones Of Dimmable Lighting Controls And One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LC3-B-WH)	827.44	17.64	
26 09 23 00-0342	EA	One Zone Of Dimmable Lighting Controls And Two Zones Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2C3-B-WH)	687.78	17.64	
26 09 23 00-0343		Dimmable Lighting Controls And Sivoia QED Shade Controls, Tabletop Wireless Transmitter (26 09 23 00-0319)			
26 09 23 00-0344	EA	One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-Q-B-WH)	528.17	17.64	
26 09 23 00-0345	EA	Two Zones Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2Q-B-WH)	687.78	17.64	
26 09 23 00-0346	EA	One Zone Of Dimmable Lighting Controls And One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LQ-B-WH)	687.78	17.64	
26 09 23 00-0347	EA	Two Zones Of Dimmable Lighting Controls And One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LQ-B-WH)	867.34	17.64	
26 09 23 00-0348	EA	One Zone Of Dimmable Lighting Controls And Two Zones Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2Q-B-WH)	687.78	17.64	
26 09 23 00-0349	EA	One Zone Of Dimmable Lighting Controls, One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, One Zone Of Output Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LQC2-B-WH)	867.34	17.64	
26 09 23 00-0350		Output Switch Closure Controls, Tabletop Wireless Transmitter (26 09 23 00-0319)			
26 09 23 00-0351	EA	Five Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C5-WH)	528.17	17.64	
26 09 23 00-0352	EA	Nine Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C5C4-WH)	687.78	17.64	
26 09 23 00-0353	EA	Thirteen Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C52C4-WH)	867.34	17.64	
26 09 23 00-0354		Accessories For Tabletop Wireless Transmitter (26 09 23 00-0319)			
26 09 23 00-0355	EA	Security Mounting Brackets For Tabletop Wireless Transmitters (Lutron RTA-SEC-WH)	109.20	17.64	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0356		Wall Box Transmitters For Radio Controlled Devices (26 09 23 00-0318)		
26 09 23 00-0357	EA	On/Off Switched Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-2BSW-WH).....	488.27	17.64
26 09 23 00-0358	EA	Dimmable Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-2B-WH).....	528.17	17.64
26 09 23 00-0359	EA	Four Preset Lighting Level And Dimmable Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-5B-WH).....	528.17	17.64
26 09 23 00-0360	EA	Open/Stop/Close Motorized Shade Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-C3LB-WH).....	528.17	17.64
26 09 23 00-0361	EA	Up/Down Projection Screen Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-C2LB-WH).....	528.17	17.64
26 09 23 00-0362	EA	Open/Stop/Close Sivoia QED Shade Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-Q3LB-WH).....	528.17	17.64
26 09 23 00-0363		Interfaces For Radio Controlled Devices (26 09 23 00-0318)		
26 09 23 00-0364	EA	Incandescent And Magnetic Low Voltage Lighting Interface For Radio Controlled Devices (Lutron FDI-INC-2000).....	488.27	17.64
26 09 23 00-0365	EA	Lutron Tu-Wire Ballast Interface For Radio Controlled Devices (Lutron FDI-INC-2000).....	488.27	17.64
26 09 23 00-0366	EA	Electronic Low Voltage Lighting Interface For Radio Controlled Devices (Lutron FDI-ELV-1000).....	488.27	17.64
26 09 23 00-0367	EA	Sivoia QED Controllable Window Treatments Contact Closure Interface For Radio Controlled Devices (Lutron SVQ-CCI-8).....	995.03	17.64
26 09 23 00-0368	EA	RS-232 Interface For Radio Controlled Devices (Lutron RTA-RS232).....	1,425.97	17.64
26 09 23 00-0369	EA	Switch Closure Input Interface For Radio Controlled (Lutron RTA-SCI).....	1,425.97	17.64
26 09 23 00-0370		Fluorescent Controllers For Radio Controlled Devices (26 09 23 00-0318)		
26 09 23 00-0371	EA	On/Off Switched Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-SW).....	627.93	17.64
26 09 23 00-0372	EA	Dimmable Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-F).....	707.73	17.64
26 09 23 00-0373	EA	Switch Closures And Dimmable Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-F-SC).....	827.44	17.64
26 09 23 00-0374		AC Motor Group Controllers For Radio Controlled Devices (26 09 23 00-0318)		
26 09 23 00-0375	EA	Up To Two Motors, AC Motor Group Controllers For Radio Controlled Devices (Lutron WC-2M-GC).....	927.19	17.64
26 09 23 00-0376	EA	Up To Four Motors, AC Motor Group Controllers For Radio Controlled Devices (Lutron WC-4M-GC).....	1,276.34	17.64
26 09 23 00-0377		Radio Controlled Devices (Exergy Controls) (26 09 23)		
26 09 23 00-0378		Wireless Lighting Controllers (Exergy Controls) (26 09 23 00-0377)		
26 09 23 00-0379	EA	Wireless Outdoor Lighting Controller, Pole/Fixture Mounted (Exergy Controls XRG-500/501).....	1,225.10	130.40
		Note: Includes commissioning. Controls up to four independent fixtures when pole mounted.		
		For > 3, Deduct	-64.67	
26 09 23 00-0380		Wireless Lighting Control Cabinets (Exergy Controls) (26 09 23 00-0377)		
26 09 23 00-0381	EA	Combined Indoor And Outdoor Digital Lighting Control System Cabinet (Exergy Controls XRG-1000).....	9,529.35	117.37
		Note: Excludes commissioning and internet connection. Manages up to 150 wireless controllers.		
26 09 23 00-0382	EA	Commissioning Of (1) Exergy XRG-1000 Digital Lighting Control Cabinet (Exergy Controls).....	5,532.50	
26 09 23 00-0383	EA	Commissioning Of Each Additional Exergy XRG-1000 Digital Lighting Control Cabinet (Exergy Controls).....	3,319.50	
26 09 23 00-0384		RF Wireless Technology, Switches And Dimmers (Lutron® Maestro Wireless®) (26 09 23)		
26 09 23 00-0385		RF Wireless Technology, Switches (Lutron® Maestro Wireless®) (26 09 23 00-0384)		
26 09 23 00-0386	EA	6 Amperes Lighting, 3 Amperes Fan, RF Wireless Technology, Electronic Switch (Lutron® Maestro Wireless® MRF2-6ANS).....	138.86	23.51
26 09 23 00-0387	EA	8 Amperes Lighting, 5.8 Amperes Fan, RF Wireless Technology, Spec Grade Electronic Switch (Lutron® Maestro Wireless® MRF2-8ANS-120).....	164.26	23.51
26 09 23 00-0388	EA	8 Amperes Lighting, 3 Amperes Fan, RF Wireless Technology, Spec Grade Electronic Switch (Lutron® Maestro Wireless® MRF2-8S-DV).....	258.93	23.51
26 09 23 00-0389	EA	120 Volt, Claro® Gloss Finish, RF Wireless Technology, Companion Switch (Lutron® Maestro Wireless® MA-AS).....	96.48	23.51
26 09 23 00-0390	EA	277 Volt, Claro® Gloss Finish, RF Wireless Technology, Companion Switch (Lutron® Maestro Wireless® MA-AS-277).....	118.67	23.51
26 09 23 00-0391	EA	120 Volt, Satin Colors® Satin Finish, RF Wireless Technology, Companion Switch (Lutron® Maestro Wireless® MSC-AS).....	105.80	23.51
26 09 23 00-0392	EA	277 Volt, Satin Colors® Satin Finish, RF Wireless Technology, Companion Switch (Lutron® Maestro Wireless® MSC-AS-277).....	128.44	23.51
26 09 23 00-0393		RF Wireless Technology, Dimmers (Lutron® Maestro Wireless®) (26 09 23 00-0384)		
26 09 23 00-0394	EA	600 Watt, 120 Volt, RF Wireless Technology, Incandescent Dimmer (Lutron® Maestro Wireless® MRF2-600M).....	133.00	23.51
26 09 23 00-0395	EA	600 Watt, 120 Volt, RF Wireless Technology, Magnetic Low Voltage Dimmer (Lutron® Maestro Wireless® MRF2-6MLV).....	144.72	23.51
26 09 23 00-0396	EA	600 Watt, 120 Volt, RF Wireless Technology, Spec Grade Neutral Wire Dimmer (Lutron® Maestro Wireless® MRF2-6ND-120).....	174.03	23.51
26 09 23 00-0397	EA	1,000 Watt, 120 Volt, RF Wireless Technology, Spec Grade Dimmer (Lutron® Maestro Wireless® MRF2-10D-120).....	185.78	29.40
26 09 23 00-0398	EA	600 Watt, 120 Volt, RF Wireless Technology, Electronic Low-Voltage Dimmer (Lutron® Maestro Wireless® MRF2-6ELV-120).....	231.66	23.51
26 09 23 00-0399	EA	120 Volt, Claro® Gloss Finish, RF Wireless Technology, Companion Dimmer (Lutron® Maestro Wireless® MA-R).....	73.89	23.51
26 09 23 00-0400	EA	277 Volt, Claro® Gloss Finish, RF Wireless Technology, Companion Dimmer (Lutron® Maestro Wireless® MA-R-277).....	90.01	23.51
26 09 23 00-0401	EA	120 Volt, Satin Colors® Satin Finish, RF Wireless Technology, Companion Dimmer (Lutron® Maestro Wireless® MSC-AD).....	79.77	23.51
26 09 23 00-0402	EA	277 Volt, Satin Colors® Satin Finish, RF Wireless Technology, Companion Dimmer (Lutron® Maestro Wireless® MSC-AD-277).....	95.87	23.51

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR			TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST	UNIT COST
26 09 23 00-0403	EA	6 Amperes, 120/277 Volt, RF Wireless Technology, 3-Wire Fluorescent Spec Grade Neutral Wire Dimmer (Lutron® Maestro Wireless® MRF2-F6AN-DV).....	258.14			41.15
26 09 23 00-0404		Removal And Reinstallation Of Occupancy Sensors (26 09 23)				
26 09 23 00-0405	EA	Removal And Reinstallation Of Ceiling Mounted Occupancy Sensor Note: Includes storing and cleaning.	79.36			
26 09 23 00-0406	EA	Removal And Reinstallation Of Wall Mounted Occupancy Sensor Note: Includes storing and cleaning.	52.91			
26 09 23 00-0407		Occupancy Sensors (Watt Stopper) (26 09 23) Note: Includes testing of new devices and certification.				
26 09 23 00-0408		Occupancy Sensors (26 09 23 00-0407) Note: Exclude boxes.				
26 09 23 00-0409		Wall Switch Mounted Occupancy Sensors (26 09 23 00-0408)				
26 09 23 00-0410		Ultrasonic, Wall Switch Mounted Occupancy Sensors (26 09 23 00-0409)				
26 09 23 00-0411	EA	Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper UW-100)..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	137.42 7.05			11.76
26 09 23 00-0412	EA	Dual Relay, Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper UW-200)..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	162.65 7.05			11.76
26 09 23 00-0413		Passive Infrared, Wall Switch Mounted Occupancy Sensors (26 09 23 00-0409)				
26 09 23 00-0414	EA	Nightlight, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WN-100)..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	113.03 7.05			11.76
26 09 23 00-0415	EA	Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WS)..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	105.38 7.05			11.76
26 09 23 00-0416	EA	Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper PW-100)..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	119.66 7.05			11.76
26 09 23 00-0417	EA	Dual Relay, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper PW-200)..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	138.95 7.05			11.76
26 09 23 00-0418	EA	Dimmable, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WD)..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	137.36 7.05			11.76
26 09 23 00-0419		Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensors (26 09 23 00-0409)				
26 09 23 00-0420	EA	Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper DW-100)..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	201.07 7.05			11.76
26 09 23 00-0421	EA	Dual Relay, Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper DW-200)..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	217.02 7.05			11.76
26 09 23 00-0422		Wall Switch Mounted Occupancy Sensor Accessories (26 09 23 00-0409)				
26 09 23 00-0423	EA	Single Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP).....	7.40			2.94
26 09 23 00-0424	EA	One Side Blank, Double Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP)	8.68			2.94
26 09 23 00-0425	EA	Switch Option, Double Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP)	8.68			2.94
26 09 23 00-0426		Ceiling Mounted Occupancy Sensors (26 09 23 00-0408)				
26 09 23 00-0427		Ultrasonic, Ceiling Mounted Occupancy Sensors (26 09 23 00-0426)				
26 09 23 00-0428		25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors (26 09 23 00-0427)				
26 09 23 00-0429	EA	500 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-500A).....	179.19			26.45
26 09 23 00-0430	EA	1,000 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-1000A).....	206.62			26.45
26 09 23 00-0431	EA	2,000 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-2000A).....	234.27			26.45
26 09 23 00-0432	EA	90 LF Hallway Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-2000H)	231.77			26.45
26 09 23 00-0433		32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors (26 09 23 00-0427)				
26 09 23 00-0434	EA	600 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-605)	195.43			26.45
26 09 23 00-0435	EA	1,100 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-1105)	223.26			26.45
26 09 23 00-0436	EA	2,205 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2205)	249.61			26.45
26 09 23 00-0437	EA	90 LF Hallway Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2255).....	254.07			26.45
26 09 23 00-0438	EA	600 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-600).....	212.06			26.45
26 09 23 00-0439	EA	1,100 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-1100)	240.58			26.45
26 09 23 00-0440	EA	2,200 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2200)	268.99			26.45
26 09 23 00-0441	EA	90 LF Hallway Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2250).....	277.17			26.45
26 09 23 00-0442		40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors (26 09 23 00-0427)				
26 09 23 00-0443	EA	500 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-1).....	203.47			26.45
26 09 23 00-0444	EA	1,000 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-2).....	236.72			26.45

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0445	EA	2,000 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-3).....	264.55	26.45
26 09 23 00-0446	EA	500 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-1).....	191.22	26.45
26 09 23 00-0447	EA	1,000 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-2).....	233.12	26.45
26 09 23 00-0448	EA	2,000 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-3).....	246.69	26.45
26 09 23 00-0449	EA	500 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-1).....	205.19	26.45
26 09 23 00-0450	EA	1,000 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-2).....	229.32	26.45
26 09 23 00-0451	EA	2,000 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-3).....	259.11	26.45
26 09 23 00-0452 Passive Infrared, Ceiling Mounted Occupancy Sensors (26 09 23 00-0426)				
26 09 23 00-0453	EA	30 Segment, 5 Level Lens, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper WPIR).....	147.16	26.45
26 09 23 00-0454	EA	HVAC/BAS, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-12/24).....	150.40	26.45
26 09 23 00-0455	EA	Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-205).....	158.08	26.45
26 09 23 00-0456	EA	Line Voltage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-355).....	178.67	26.45
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.87	
26 09 23 00-0457	EA	Low Profile, Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-305).....	181.16	26.45
26 09 23 00-0458	EA	Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-200).....	191.94	26.45
26 09 23 00-0459	EA	Low Profile, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-300).....	209.18	26.45
26 09 23 00-0460 Passive Infrared And Ultrasonic, Ceiling Mounted Occupancy Sensors (26 09 23 00-0426)				
26 09 23 00-0461	EA	1,000 SF 360 Degree Coverage, Line Voltage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-355).....	249.38	26.45
26 09 23 00-0462	EA	1,000 SF 360 Degree Coverage, Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-300).....	285.86	26.45
26 09 23 00-0463	EA	1,000 SF 360 Degree Coverage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-305).....	241.63	26.45
26 09 23 00-0464 Ceiling/Wall Mounted Occupancy Sensors (26 09 23 00-0408)				
26 09 23 00-0465 Passive Infrared, Ceiling/Wall Mounted Occupancy Sensors (26 09 23 00-0464)				
26 09 23 00-0466	EA	120 LF Coverage, Low Temperature, Passive Infrared, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper CB-100-1/3).....	307.72	26.45
26 09 23 00-0467	EA	2,000 SF Coverage, Low Temperature, Passive Infrared, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper CB-100).....	307.72	26.45
26 09 23 00-0468 Passive Infrared And Ultrasonic, Ceiling/Wall Mounted Occupancy Sensors (26 09 23 00-0464)				
26 09 23 00-0469	EA	2,000 SF Coverage, Passive Infrared And Ultrasonic, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper DT-200).....	285.86	26.45
26 09 23 00-0470 Occupancy Sensor Power Packs (26 09 23 00-0407)				
26 09 23 00-0471 Single Voltage, Occupancy Sensor Power Packs (26 09 23 00-0470)				
26 09 23 00-0472	EA	220 To 240 Volt AC, 20 Amperes, Occupancy Sensor Power Pack (Watt Stopper B230E-P).....	98.04	23.51
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.11	
26 09 23 00-0473	EA	347 Volt AC, 15 Amperes, Occupancy Sensor Power Pack (Watt Stopper B347D-P).....	88.78	23.51
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.11	
26 09 23 00-0474 Auxiliary, Occupancy Sensor Power Packs (26 09 23 00-0470)				
26 09 23 00-0475	EA	120, 277 Or 347 Volt AC, 20 Amperes, Auxiliary Occupancy Sensor Power Pack (Watt Stopper S120/277/347E-P).....	81.14	23.51
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.11	
26 09 23 00-0476 Universal Voltage, Power Packs For Occupancy Sensors (26 09 23 00-0470)				
26 09 23 00-0477	EA	120/277 Volt AC, 20 Amperes, Dual Voltage, Occupancy Sensor Power Pack (Watt Stopper BZ-100).....	109.08	23.51
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.11	
26 09 23 00-0478 Form C, Occupancy Sensor Power Packs (26 09 23 00-0470)				
26 09 23 00-0479	EA	120 Volt AC, Form C, Occupancy Sensor Power Pack (Watt Stopper A120C-P).....	98.47	23.51
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.11	
26 09 23 00-0480	EA	277 Volt AC, Form C, Occupancy Sensor Power Pack (Watt Stopper A277C-P).....	98.55	23.51
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.11	
26 09 23 00-0481 Two Relay, Occupancy Sensor Power Packs (26 09 23 00-0470)				
26 09 23 00-0482	EA	120 Volt AC, Two Relay, Occupancy Sensor Power Pack (Watt Stopper C120E-P).....	125.32	23.51
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.11	
26 09 23 00-0483	EA	277 Volt AC, Two Relay, Occupancy Sensor Power Pack (Watt Stopper C277E-P).....	127.16	23.51
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.11	
26 09 23 00-0484 Occupancy Sensor Power Supplies (26 09 23 00-0470)				

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
26 09 23 00-0485	EA	120 Volt AC, Occupancy Sensor Power Supply (Watt Stopper BZ-150).....	114.82	23.51	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.11		
26 09 23 00-0486	EA	277 Volt AC, Occupancy Sensor Power Supply (Watt Stopper AT-277).....	261.12	23.51	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.11		
26 09 23 00-0487		Intelligent, Occupancy Sensor Power Packs (26 09 23 00-0470)			
26 09 23 00-0488	EA	120/277 Volt AC, Two Relays, Two Dimming Channels, Intelligent Occupancy Sensor Power Pack (Watt Stopper LC-100).....	347.25	23.51	
26 09 23 00-0489		DIN Rail Mounted, Occupancy Sensor Power Packs (26 09 23 00-0470)			
26 09 23 00-0490	EA	120/230/277 Volt AC, DIN Rail Mounted, Occupancy Sensor Power Pack (Watt Stopper BD-100).....	108.03	23.51	
26 09 23 00-0491		Occupancy Sensor Accessories (26 09 23 00-0407)			
26 09 23 00-0492		Protective Cages For Occupancy Sensors (26 09 23 00-0491)			
26 09 23 00-0493	EA	Protective Cage For Occupancy Sensors (Watt Stopper WC).....	63.14	8.81	
26 09 23 00-0494		Mounting Brackets For Occupancy Sensors (26 09 23 00-0491)			
26 09 23 00-0495	EA	Mounting Bracket For Occupancy Sensor (Watt Stopper MB).....	47.57	14.70	
		Note: Includes J-plate for mounting to HID fixtures or L-plate for mounting to fluorescent fixtures, walls, shelves and girders.			
26 09 23 00-0496		Occupancy/Lighting Logger (26 09 23 00-0491)			
		Note: Logs when a space is occupied/vacant and when lighting is on/off.			
26 09 23 00-0497	EA	Occupancy/Lighting Logger With Connector Cable (Watt Stopper IT-200).....	472.31	49.97	
26 09 23 00-0498		Digital Time Light Switches (26 09 23 00-0407)			
26 09 23 00-0499	EA	Preset Time, Wall Switch Mounted, Digital Time Light Switch (Watt Stopper TS-400).....	101.77	11.76	
26 09 23 00-0500		Digital High/Low Passive Infrared Fixture Integrated Outdoor Sensor (26 09 23 00-0407)			
26 09 23 00-0501	EA	Digital High/Low Passive Infrared Fixture Integrated Outdoor Sensor (Watt Stopper FSP-211).....	220.91	38.21	
26 09 23 00-0502		Occupancy Sensors (Sensor Switch) (26 09 23)			
		Note: Includes testing of new devices and certification.			
26 09 23 00-0503		Occupancy Sensors (Sensor Switch) (26 09 23 00-0502)			
		Note: Exclude boxes			
26 09 23 00-0504		Wall Switch Mount Occupancy Sensors (Sensor Switch) (26 09 23 00-0503)			
26 09 23 00-0505		Passive Infrared, Wall Switch Mount Occupancy Sensors (Sensor Switch) (26 09 23 00-0504)			
26 09 23 00-0506	EA	Single Pole, Low Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD LV).....	223.02	11.76	
		<i>For Low Temp/High Humidity Option, Add</i>	15.11		
		<i>For Low Voltage Relay Option, Add</i>	18.14		
26 09 23 00-0507	EA	Nightlight, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD NL).....	156.52	11.76	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.05		
26 09 23 00-0508	EA	Single Pole, Line Voltage, Fully Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD).....	149.20	11.76	
		<i>For Low Temp/High Humidity Option, Add</i>	15.11		
		<i>For Photocell (Inhibit Mode Only) Option, Add</i>	18.14		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.05		
26 09 23 00-0509	EA	Single Pole, Line Voltage, Semi-Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD SA).....	149.20	11.76	
		<i>For Low Temp/High Humidity Option, Add</i>	15.11		
		<i>For Photocell (Inhibit Mode Only) Option, Add</i>	18.14		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.05		
26 09 23 00-0510	EA	2-Pole, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD 2P).....	189.77	11.76	
		<i>For Low Temp/High Humidity Option, Add</i>	15.11		
		<i>For Photocell (Inhibit Mode Only) Option, Add</i>	18.14		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.05		
26 09 23 00-0511	EA	Single Pole, Passive Infrared, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS).....	189.77	11.76	
		<i>For Low Temp/High Humidity Option, Add</i>	15.11		
		<i>For Photocell (Inhibit Mode Only) Option, Add</i>	18.14		
26 09 23 00-0512	EA	2-Pole, Passive Infrared, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS 2P).....	231.35	11.76	
		<i>For Low Temp/High Humidity Option, Add</i>	15.11		
		<i>For Photocell (Inhibit Mode Only) Option, Add</i>	18.14		
26 09 23 00-0513	EA	Single Pole, Passive Infrared, Internally Powered, Wall Switch Mount Occupancy Sensor (Sensor Switch IPD).....	189.77	11.76	
		<i>For Low Temp/High Humidity Option, Add</i>	15.11		
		<i>For Photocell (Inhibit Mode Only) Option, Add</i>	18.14		
26 09 23 00-0514		Dual Technology, Wall Switch Mount Occupancy Sensors (Sensor Switch) (26 09 23 00-0504)			
		Note: Includes passive infrared and microphonics detection			
26 09 23 00-0515	EA	Single Pole, Low Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT LV).....	289.52	11.76	
		<i>For Low Temp/High Humidity Option, Add</i>	15.11		
		<i>For Low Voltage Relay Option, Add</i>	18.14		
26 09 23 00-0516	EA	Nightlight, Line Voltage, Dual Technology, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT NL).....	223.02	11.76	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.05		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0517	EA		Single Pole, Line Voltage, Fully Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT)	218.05	11.76
			For Low Temp/High Humidity Option, Add	15.11	
			For Photocell (Inhibit Mode Only) Option, Add	18.14	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.05	
26 09 23 00-0518	EA		Single Pole, Line Voltage, Semi-Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT SA)	218.05	11.76
			For Low Temp/High Humidity Option, Add	15.11	
			For Photocell (Inhibit Mode Only) Option, Add	18.14	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.05	
26 09 23 00-0519	EA		2-Pole, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT 2P)	256.27	11.76
			For Low Temp/High Humidity Option, Add	15.11	
			For Photocell (Inhibit Mode Only) Option, Add	18.14	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.05	
26 09 23 00-0520	EA		Single Pole, Dual Technology, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS PDT)	256.27	11.76
			For Low Temp/High Humidity Option, Add	15.11	
			For Photocell (Inhibit Mode Only) Option, Add	18.14	
26 09 23 00-0521	EA		2-Pole, Dual Technology, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS PDT 2P)	276.22	11.76
			For Low Temp/High Humidity Option, Add	15.11	
			For Photocell (Inhibit Mode Only) Option, Add	18.14	
26 09 23 00-0522			Wall Switch Mount Occupancy Sensor Accessories (Sensor Switch) (26 09 23 00-0504)		
26 09 23 00-0523	EA		One Blank, 2-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS BPX)	19.18	2.94
26 09 23 00-0524	EA		One Switch, 2-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS SPX)	19.18	2.94
26 09 23 00-0525	EA		Two Blanks, 3-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS BPX 3)	39.13	2.94
26 09 23 00-0526	EA		Two Switches, 3-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS SPX 3)	39.13	2.94
26 09 23 00-0527			360 Degree View Occupancy Sensors (Sensor Switch) (26 09 23 00-0503)		
26 09 23 00-0528			Passive Infrared, 360 Degree View Occupancy Sensors (Sensor Switch) (26 09 23 00-0527)		
			Note: One photocell or dimming option per occupancy sensor		
26 09 23 00-0529	EA		Low Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CM 9)	252.42	26.45
			For Low Temp/High Humidity Option, Add	15.11	
			For Occupancy Controlled Dimming Option, Add	30.23	
			For Photocell (Inhibit Mode Only) Option, Add	18.14	
			For Low Voltage Relay Option, Add	18.14	
			For Photocell Option With Dimming Capability, Add	45.34	
26 09 23 00-0530	EA		Low Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RM 9)	252.42	26.45
			For Low Temp/High Humidity Option, Add	15.11	
			For Occupancy Controlled Dimming Option, Add	30.23	
			For Photocell (Inhibit Mode Only) Option, Add	18.14	
			For Low Voltage Relay Option, Add	18.14	
			For Photocell Option With Dimming Capability, Add	45.34	
26 09 23 00-0531	EA		Low Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB 9)	252.42	26.45
			For Low Temp/High Humidity Option, Add	15.11	
			For Occupancy Controlled Dimming Option, Add	30.23	
			For Photocell (Inhibit Mode Only) Option, Add	18.14	
			For Low Voltage Relay Option, Add	18.14	
			For Photocell Option With Dimming Capability, Add	45.34	
26 09 23 00-0532	EA		Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 9)	269.05	26.45
			For Low Temp/High Humidity Option, Add	15.11	
			For Occupancy Controlled Dimming Option, Add	30.23	
			For Photocell (Inhibit Mode Only) Option, Add	18.14	
			For Photocell Option With Dimming Capability, Add	45.34	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.87	
26 09 23 00-0533	EA		Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 9)	269.05	26.45
			For Low Temp/High Humidity Option, Add	15.11	
			For Occupancy Controlled Dimming Option, Add	30.23	
			For Photocell (Inhibit Mode Only) Option, Add	18.14	
			For Photocell Option With Dimming Capability, Add	45.34	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.87	
26 09 23 00-0534	EA		Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 9)	215.84	26.45
			For Low Temp/High Humidity Option, Add	15.11	
			For Occupancy Controlled Dimming Option, Add	30.23	
			For Photocell (Inhibit Mode Only) Option, Add	18.14	
			For Photocell Option With Dimming Capability, Add	45.34	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.87	
26 09 23 00-0535	EA		2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 9 2P)	335.55	26.45
			For Low Temp/High Humidity Option, Add	15.11	
			For Photocell Option With Dual Zone On/Off, Add	45.34	
			For Photocell (Inhibit Mode Only) Option, Add	18.14	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.87	
26 09 23 00-0536	EA		2-Pole, Line Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 9 2P)	335.55	26.45
			For Low Temp/High Humidity Option, Add	15.11	
			For Photocell Option With Dual Zone On/Off, Add	45.34	
			For Photocell (Inhibit Mode Only) Option, Add	18.14	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.87	

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 09 23 00-0537	EA	2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 9 2P).....	282.35	26.45
		For Low Temp/High Humidity Option, Add	15.11	
		For Photocell Option With Dual Zone On/Off, Add	45.34	
		For Photocell (Inhibit Mode Only) Option, Add	18.14	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.87	
26 09 23 00-0538	EA	Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CM 10).....	252.42	26.45
		For Low Temp/High Humidity Option, Add	15.11	
		For Occupancy Controlled Dimming Option, Add	30.23	
		For Photocell (Inhibit Mode Only) Option, Add	18.14	
		For Low Voltage Relay Option, Add	18.14	
		For Photocell Option With Dimming Capability, Add	45.34	
26 09 23 00-0539	EA	Low Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RM 10).....	252.42	26.45
		For Low Temp/High Humidity Option, Add	15.11	
		For Occupancy Controlled Dimming Option, Add	30.23	
		For Photocell (Inhibit Mode Only) Option, Add	18.14	
		For Low Voltage Relay Option, Add	18.14	
		For Photocell Option With Dimming Capability, Add	45.34	
26 09 23 00-0540	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB 10).....	252.42	26.45
		For Low Temp/High Humidity Option, Add	15.11	
		For Occupancy Controlled Dimming Option, Add	30.23	
		For Photocell (Inhibit Mode Only) Option, Add	18.14	
		For Low Voltage Relay Option, Add	18.14	
		For Photocell Option With Dimming Capability, Add	45.34	
26 09 23 00-0541	EA	Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 10).....	269.05	26.45
		For Low Temp/High Humidity Option, Add	15.11	
		For Occupancy Controlled Dimming Option, Add	30.23	
		For Photocell (Inhibit Mode Only) Option, Add	18.14	
		For Photocell Option With Dimming Capability, Add	45.34	
26 09 23 00-0542	EA	Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 10).....	269.05	26.45
		For Low Temp/High Humidity Option, Add	15.11	
		For Occupancy Controlled Dimming Option, Add	30.23	
		For Photocell (Inhibit Mode Only) Option, Add	18.14	
		For Photocell Option With Dimming Capability, Add	45.34	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.87	
26 09 23 00-0543	EA	Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 10).....	215.84	26.45
		For Low Temp/High Humidity Option, Add	15.11	
		For Occupancy Controlled Dimming Option, Add	30.23	
		For Photocell (Inhibit Mode Only) Option, Add	18.14	
		For Photocell Option With Dimming Capability, Add	45.34	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.87	
26 09 23 00-0544	EA	2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 10 2P).....	335.55	26.45
		For Low Temp/High Humidity Option, Add	15.11	
		For Photocell Option With Dual Zone On/Off, Add	45.34	
		For Photocell (Inhibit Mode Only) Option, Add	18.14	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.87	
26 09 23 00-0545	EA	2-Pole, Line Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 10 2P).....	335.55	26.45
		For Low Temp/High Humidity Option, Add	15.11	
		For Photocell Option With Dual Zone On/Off, Add	45.34	
		For Photocell (Inhibit Mode Only) Option, Add	18.14	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.87	
26 09 23 00-0546	EA	2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 10 2P).....	282.35	26.45
		For Low Temp/High Humidity Option, Add	15.11	
		For Photocell Option With Dual Zone On/Off, Add	45.34	
		For Photocell (Inhibit Mode Only) Option, Add	18.14	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.87	
26 09 23 00-0547		Dual Technology, 360 Degree View Occupancy Sensors (Sensor Switch) ^(26 09 23 00-0527) Note: One photocell or dimming option per occupancy sensor. Includes passive infrared and microphonics detection		
26 09 23 00-0548	EA	Low Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CM PDT 9).....	318.92	26.45
		For Low Temp/High Humidity Option, Add	15.11	
		For Occupancy Controlled Dimming Option, Add	30.23	
		For Photocell (Inhibit Mode Only) Option, Add	18.14	
		For Low Voltage Relay Option, Add	18.14	
		For Photocell Option With Dimming Capability, Add	45.34	
26 09 23 00-0549	EA	Low Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RM PDT 9).....	318.92	26.45
		For Low Temp/High Humidity Option, Add	15.11	
		For Occupancy Controlled Dimming Option, Add	30.23	
		For Photocell (Inhibit Mode Only) Option, Add	18.14	
		For Low Voltage Relay Option, Add	18.14	
		For Photocell Option With Dimming Capability, Add	45.34	
26 09 23 00-0550	EA	Low Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB PDT 9).....	318.92	26.45
		For Low Temp/High Humidity Option, Add	15.11	
		For Occupancy Controlled Dimming Option, Add	30.23	
		For Photocell (Inhibit Mode Only) Option, Add	18.14	
		For Low Voltage Relay Option, Add	18.14	
		For Photocell Option With Dimming Capability, Add	45.34	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0551	EA		Single Pole, Line Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 9).....	302.30	26.45
			For Low Temp/High Humidity Option, Add	15.11	
			For Occupancy Controlled Dimming Option, Add	30.23	
			For Photocell (Inhibit Mode Only) Option, Add	18.14	
			For Photocell Option With Dimming Capability, Add	45.34	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.87	
26 09 23 00-0552	EA		Single Pole, Line Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 9).....	302.30	26.45
			For Low Temp/High Humidity Option, Add	15.11	
			For Occupancy Controlled Dimming Option, Add	30.23	
			For Photocell (Inhibit Mode Only) Option, Add	18.14	
			For Photocell Option With Dimming Capability, Add	45.34	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.87	
26 09 23 00-0553	EA		Single Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 9).....	249.09	26.45
			For Low Temp/High Humidity Option, Add	15.11	
			For Occupancy Controlled Dimming Option, Add	30.23	
			For Photocell (Inhibit Mode Only) Option, Add	18.14	
			For Photocell Option With Dimming Capability, Add	45.34	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.87	
26 09 23 00-0554	EA		2-Pole, Line Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 9 2P).....	368.80	26.45
			For Low Temp/High Humidity Option, Add	15.11	
			For Photocell Option With Dual Zone On/Off, Add	45.34	
			For Photocell (Inhibit Mode Only) Option, Add	18.14	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.87	
26 09 23 00-0555	EA		2-Pole, Line Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 9 2P).....	368.80	26.45
			For Low Temp/High Humidity Option, Add	15.11	
			For Photocell Option With Dual Zone On/Off, Add	45.34	
			For Photocell (Inhibit Mode Only) Option, Add	18.14	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.87	
26 09 23 00-0556	EA		2-Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 9 2P).....	315.60	26.45
			For Low Temp/High Humidity Option, Add	15.11	
			For Photocell Option With Dual Zone On/Off, Add	45.34	
			For Photocell (Inhibit Mode Only) Option, Add	18.14	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.87	
26 09 23 00-0557	EA		Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CM PDT 10).....	318.92	26.45
			For Low Temp/High Humidity Option, Add	15.11	
			For Occupancy Controlled Dimming Option, Add	30.23	
			For Photocell (Inhibit Mode Only) Option, Add	18.14	
			For Low Voltage Relay Option, Add	18.14	
			For Photocell Option With Dimming Capability, Add	45.34	
26 09 23 00-0558	EA		Low Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RM PDT 10).....	318.92	26.45
			For Low Temp/High Humidity Option, Add	15.11	
			For Occupancy Controlled Dimming Option, Add	30.23	
			For Photocell (Inhibit Mode Only) Option, Add	18.14	
			For Low Voltage Relay Option, Add	18.14	
			For Photocell Option With Dimming Capability, Add	45.34	
26 09 23 00-0559	EA		Low Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB PDT 10).....	318.92	26.45
			For Low Temp/High Humidity Option, Add	15.11	
			For Occupancy Controlled Dimming Option, Add	30.23	
			For Photocell (Inhibit Mode Only) Option, Add	18.14	
			For Low Voltage Relay Option, Add	18.14	
			For Photocell Option With Dimming Capability, Add	45.34	
26 09 23 00-0560	EA		Single Pole, Line Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 10).....	302.30	26.45
			For Low Temp/High Humidity Option, Add	15.11	
			For Occupancy Controlled Dimming Option, Add	30.23	
			For Photocell (Inhibit Mode Only) Option, Add	18.14	
			For Photocell Option With Dimming Capability, Add	45.34	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.87	
26 09 23 00-0561	EA		Single Pole, Line Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 10).....	302.30	26.45
			For Low Temp/High Humidity Option, Add	15.11	
			For Occupancy Controlled Dimming Option, Add	30.23	
			For Photocell (Inhibit Mode Only) Option, Add	18.14	
			For Photocell Option With Dimming Capability, Add	45.34	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.87	
26 09 23 00-0562	EA		Single Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 10).....	249.09	26.45
			For Low Temp/High Humidity Option, Add	15.11	
			For Occupancy Controlled Dimming Option, Add	30.23	
			For Photocell (Inhibit Mode Only) Option, Add	18.14	
			For Photocell Option With Dimming Capability, Add	45.34	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.87	
26 09 23 00-0563	EA		2-Pole, Line Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 10 2P).....	368.80	26.45
			For Low Temp/High Humidity Option, Add	15.11	
			For Photocell Option With Dual Zone On/Off, Add	45.34	
			For Photocell (Inhibit Mode Only) Option, Add	18.14	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.87	

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	
26 09 23 00-0564	EA 2-Pole, Line Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 10 2P).....	368.80		26.45
	For Low Temp/High Humidity Option, Add	15.11		
	For Photocell Option With Dual Zone On/Off, Add	45.34		
	For Photocell (Inhibit Mode Only) Option, Add	18.14		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.87		
26 09 23 00-0565	EA 2-Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 10 2P).....	315.60		26.45
	For Low Temp/High Humidity Option, Add	15.11		
	For Photocell Option With Dual Zone On/Off, Add	45.34		
	For Photocell (Inhibit Mode Only) Option, Add	18.14		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.87		
26 09 23 00-0566	Wide View And Hallway Occupancy Sensors (Sensor Switch) (26 09 23 00-0503)			
26 09 23 00-0567	Passive Infrared, Wide View And Hallway Occupancy Sensors (Sensor Switch) (26 09 23 00-0566)			
26 09 23 00-0568	EA Low Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WV 16)	252.42		26.45
	For Ceiling Mount, Add	30.23		
	For Low Temp/High Humidity Option, Add	15.11		
	For Photocell (Inhibit Mode Only) Option, Add	18.14		
	For Low Voltage Relay Option, Add	18.14		
26 09 23 00-0569	EA Low Voltage, Passive Infrared, Wall Mount, Hallway Occupancy Sensor (Sensor Switch HW 13).....	285.67		26.45
	For Ceiling Mount, Add	30.23		
	For Low Temp/High Humidity Option, Add	15.11		
	For Photocell (Inhibit Mode Only) Option, Add	18.14		
	For Low Voltage Relay Option, Add	18.14		
26 09 23 00-0570	EA Line Voltage, Passive Infrared, Wall Mount, Hallway Occupancy Sensor (Sensor Switch HWR 13).....	352.17		26.45
	For Ceiling Mount, Add	30.23		
	For Low Temp/High Humidity Option, Add	15.11		
26 09 23 00-0571	EA Single Pole, Line Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR 16).....	335.55		26.45
	For Ceiling Mount, Add	30.23		
	For Low Temp/High Humidity Option, Add	15.11		
	For Photocell (Inhibit Mode Only) Option, Add	18.14		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.87		
26 09 23 00-0572	EA 2-Pole, Line Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR 16 2P).....	402.05		26.45
	For Ceiling Mount, Add	30.23		
	For Low Temp/High Humidity Option, Add	15.11		
	For Photocell (Inhibit Mode Only) Option, Add	18.14		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.87		
26 09 23 00-0573	Dual Technology, Wide View And Hallway Occupancy Sensors (Sensor Switch) (26 09 23 00-0566)			
	Note: Includes passive infrared and microphonics detection			
26 09 23 00-0574	EA Low Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WV PDT 16)	318.92		26.45
	For Ceiling Mount, Add	30.23		
	For Low Temp/High Humidity Option, Add	15.11		
	For Photocell (Inhibit Mode Only) Option, Add	18.14		
	For Low Voltage Relay Option, Add	18.14		
26 09 23 00-0575	EA Single Pole, Line Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR PDT 16)	368.80		26.45
	For Ceiling Mount, Add	30.23		
	For Low Temp/High Humidity Option, Add	15.11		
	For Photocell (Inhibit Mode Only) Option, Add	18.14		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.87		
26 09 23 00-0576	EA 2-Pole, Line Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR PDT 16 2P).....	435.30		26.45
	For Ceiling Mount, Add	30.23		
	For Low Temp/High Humidity Option, Add	15.11		
	For Photocell (Inhibit Mode Only) Option, Add	18.14		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.87		
26 09 23 00-0577	High Bay Occupancy Sensors (Sensor Switch) (26 09 23 00-0503)			
26 09 23 00-0578	Passive Infrared, High Bay Occupancy Sensors (Sensor Switch) (26 09 23 00-0577)			
26 09 23 00-0579	EA Low Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CM 6)	252.42		26.45
	For Low Temp/High Humidity Option, Add	15.11		
	For Occupancy Controlled Dimming Option, Add	30.23		
	For Photocell Option, Add	30.23		
	For Low Voltage Relay Option, Add	18.14		
26 09 23 00-0580	EA Low Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RM 6).....	252.42		26.45
	For Low Temp/High Humidity Option, Add	15.11		
	For Occupancy Controlled Dimming Option, Add	30.23		
	For Photocell Option, Add	30.23		
	For Low Voltage Relay Option, Add	18.14		
26 09 23 00-0581	EA Low Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMB 6)	252.42		26.45
	For Low Temp/High Humidity Option, Add	15.11		
	For Occupancy Controlled Dimming Option, Add	30.23		
	For Photocell Option, Add	30.23		
	For Low Voltage Relay Option, Add	18.14		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0582	EA		Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6).....	215.84	26.45
			For Low Temp/High Humidity Option, Add	15.11	
			For Occupancy Controlled Dimming Option, Add	30.23	
			For Start To High, HID Option, Add	18.14	
			For Photocell Option, Add	30.23	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.87	
26 09 23 00-0583	EA		Single Pole, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6).....	215.84	26.45
			For Low Temp/High Humidity Option, Add	15.11	
			For Occupancy Controlled Dimming Option, Add	30.23	
			For Start To High, HID Option, Add	18.14	
			For Photocell Option, Add	30.23	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.87	
26 09 23 00-0584	EA		Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6).....	215.84	26.45
			For Low Temp/High Humidity Option, Add	15.11	
			For Occupancy Controlled Dimming Option, Add	30.23	
			For Start To High, HID Option, Add	18.14	
			For Photocell Option, Add	30.23	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.87	
26 09 23 00-0585	EA		2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 2P).....	282.35	26.45
			For Low Temp/High Humidity Option, Add	15.11	
			For Photocell Option, Add	30.23	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.87	
26 09 23 00-0586	EA		2-Pole, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 2P).....	282.35	26.45
			For Low Temp/High Humidity Option, Add	15.11	
			For Photocell Option, Add	30.23	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.87	
26 09 23 00-0587	EA		2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 2P).....	282.35	26.45
			For Low Temp/High Humidity Option, Add	15.11	
			For Photocell Option, Add	30.23	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.87	
26 09 23 00-0588	EA		208/240 Volt AC, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 208).....	239.12	26.45
			For Low Temp/High Humidity Option, Add	15.11	
			For Photocell Option, Add	30.23	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.87	
26 09 23 00-0589	EA		208/240 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 208).....	239.12	26.45
			For Low Temp/High Humidity Option, Add	15.11	
			For Photocell Option, Add	30.23	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.87	
26 09 23 00-0590	EA		208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 208).....	239.12	26.45
			For Low Temp/High Humidity Option, Add	15.11	
			For Photocell Option, Add	30.23	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.87	
26 09 23 00-0591	EA		480 Volt AC, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 480).....	239.12	26.45
			For Low Temp/High Humidity Option, Add	15.11	
			For Photocell Option, Add	30.23	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.87	
26 09 23 00-0592	EA		480 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 480).....	239.12	26.45
			For Low Temp/High Humidity Option, Add	15.11	
			For Photocell Option, Add	30.23	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.87	
26 09 23 00-0593	EA		480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 480).....	239.12	26.45
			For Low Temp/High Humidity Option, Add	15.11	
			For Photocell Option, Add	30.23	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.87	
26 09 23 00-0594	EA		Low Voltage, Passive Infrared, Surface Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HM 50).....	285.67	26.45
			For Low Temp/High Humidity Option, Add	15.11	
			For Occupancy Controlled Dimming Option, Add	30.23	
			For Low Voltage Relay Option, Add	18.14	
26 09 23 00-0595	EA		Low Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RM 50).....	285.67	26.45
			For Low Temp/High Humidity Option, Add	15.11	
			For Occupancy Controlled Dimming Option, Add	30.23	
			For Low Voltage Relay Option, Add	18.14	
26 09 23 00-0596	EA		Low Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMB 50).....	285.67	26.45
			For Low Temp/High Humidity Option, Add	15.11	
			For Occupancy Controlled Dimming Option, Add	30.23	
			For Photocell Option, Add	30.23	
			For Low Voltage Relay Option, Add	18.14	
26 09 23 00-0597	EA		Single Pole, Line Voltage, Passive Infrared, Surface Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMR 50).....	348.85	26.45
			For Low Temp/High Humidity Option, Add	15.11	
			For Occupancy Controlled Dimming Option, Add	30.23	
			For Start To High, HID Option, Add	18.14	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.87	

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 09 23 00-0598	EA	Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50)	348.85	26.45
		For Low Temp/High Humidity Option, Add	15.11	
		For Occupancy Controlled Dimming Option, Add	30.23	
		For Start To High, HID Option, Add	18.14	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.87	
26 09 23 00-0599	EA	Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50)	348.85	26.45
		For Low Temp/High Humidity Option, Add	15.11	
		For Occupancy Controlled Dimming Option, Add	30.23	
		For Start To High, HID Option, Add	18.14	
		For Photocell Option, Add	30.23	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.87	
26 09 23 00-0600	EA	2-Pole, Line Voltage, Recessed Mount, Passive Infrared, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 2P)	305.62	26.45
		For Low Temp/High Humidity Option, Add	15.11	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.87	
26 09 23 00-0601	EA	2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 2P)	305.62	26.45
		For Low Temp/High Humidity Option, Add	15.11	
		For Photocell Option, Add	30.23	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.87	
26 09 23 00-0602	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 208)	255.74	26.45
		For Low Temp/High Humidity Option, Add	15.11	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.87	
26 09 23 00-0603	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 208)	255.74	26.45
		For Low Temp/High Humidity Option, Add	15.11	
		For Photocell Option, Add	30.23	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.87	
26 09 23 00-0604	EA	480 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 480)	255.74	26.45
		For Low Temp/High Humidity Option, Add	15.11	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.87	
26 09 23 00-0605	EA	480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 480)	255.74	26.45
		For Low Temp/High Humidity Option, Add	15.11	
		For Photocell Option, Add	30.23	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.87	
26 09 23 00-0606	EA	Low Voltage, Passive Infrared, Surface Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HM 10)	285.67	26.45
		For Low Temp/High Humidity Option, Add	15.11	
		For Occupancy Controlled Dimming Option, Add	30.23	
		For Low Voltage Relay Option, Add	18.14	
26 09 23 00-0607	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMB 10)	285.67	26.45
		For Low Temp/High Humidity Option, Add	15.11	
		For Occupancy Controlled Dimming Option, Add	30.23	
		For Low Voltage Relay Option, Add	18.14	
26 09 23 00-0608	EA	Single Pole, Line Voltage, Passive Infrared, Surface Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMR 10)	348.85	26.45
		For Low Temp/High Humidity Option, Add	15.11	
		For Occupancy Controlled Dimming Option, Add	30.23	
		For Start To High, HID Option, Add	18.14	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.87	
26 09 23 00-0609	EA	Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10)	348.85	26.45
		For Low Temp/High Humidity Option, Add	15.11	
		For Occupancy Controlled Dimming Option, Add	30.23	
		For Start To High, HID Option, Add	18.14	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.87	
26 09 23 00-0610	EA	2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 2P)	335.55	26.45
		For Low Temp/High Humidity Option, Add	15.11	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.87	
26 09 23 00-0611	EA	480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 480)	302.30	26.45
		For Low Temp/High Humidity Option, Add	15.11	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.87	
26 09 23 00-0612	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 208)	302.30	26.45
		For Low Temp/High Humidity Option, Add	15.11	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.87	

26 09 23 00-0613 Occupancy Sensor Power Packs (Sensor Switch) (26 09 23 00-0502)

26 09 23 00-0614	EA	Single Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Power Pack With Relay Circuit Protection (Sensor Switch PP20)	140.13	23.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.11	
26 09 23 00-0615	EA	2-Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Power Pack With Relay Circuit Protection (Sensor Switch PP20 2P)	206.64	23.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.11	
26 09 23 00-0616	EA	Single Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Power Pack Without Relay Circuit Protection (Sensor Switch MP20)	106.88	23.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.11	
26 09 23 00-0617	EA	2-Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Slave Pack Without Relay Circuit Protection (Sensor Switch MSP20)	96.91	23.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.11	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0618	EA		20 Amperes, 120/277 Volt AC, Occupancy Sensor Slave Pack (Sensor Switch SP20)	130.16	23.51
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.11	
26 09 23 00-0619	EA		120/277 Volt AC, High Intensity Discharge (HID) Power Pack With 20 Minute Start To High Override (Sensor Switch PP20 SH)	213.29	23.51
			For Low Temp/High Humidity Option, Add	15.11	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.11	
26 09 23 00-0620	EA		120/277 Volt AC, 2-Pole, Power Pack With Alternating Relays (Sensor Switch PP 2PAR)	213.29	23.51
			For Low Temp/High Humidity Option, Add	15.11	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.11	
26 09 23 00-0621	EA		120/277 Volt AC, Power Pack With Momentary Contacts For Latching Contactors Or Relays (Sensor Switch PP 2PM)	213.29	23.51
			For Low Temp/High Humidity Option, Add	15.11	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.11	
26 09 23 00-0622			Daylighting Control (Sensor Switch) (26 09 23 00-0502)		
26 09 23 00-0623	EA		Low Voltage, Ceiling Mount, On-Off Switching Photocell (Sensor Switch CM PC)	219.17	26.45
			For Dual Zone Option, Add	45.34	
			For Low Temp/High Humidity Option, Add	15.11	
26 09 23 00-0624	EA		Low Voltage, Recessed Mount, On-Off Switching Photocell (Sensor Switch RM PC)	219.17	26.45
			For Dual Zone Option, Add	45.34	
			For Low Temp/High Humidity Option, Add	15.11	
26 09 23 00-0625	EA		Low Voltage, Fixture (Box) Mount, On-Off Switching Photocell (Sensor Switch CMB PC)	219.17	26.45
			For Dual Zone Option, Add	45.34	
			For Low Temp/High Humidity Option, Add	15.11	
26 09 23 00-0626	EA		Line Voltage, Ceiling Mount, On-Off Switching Photocell (Sensor Switch CMR PC)	219.17	26.45
			For Dual Zone Option, Add	45.34	
			For Low Temp/High Humidity Option, Add	15.11	
			For 480 Volt AC Option, Add	21.16	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.87	
26 09 23 00-0627	EA		Line Voltage, Recessed Mount, On-Off Switching Photocell (Sensor Switch RMR PC)	219.17	26.45
			For Dual Zone Option, Add	45.34	
			For Low Temp/High Humidity Option, Add	15.11	
			For 480 Volt AC Option, Add	21.16	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.87	
26 09 23 00-0628	EA		Line Voltage, Fixture (Box) Mount, On-Off Switching Photocell (Sensor Switch CMRB PC)	219.17	26.45
			For Dual Zone Option, Add	45.34	
			For Low Temp/High Humidity Option, Add	15.11	
			For 480 Volt AC Option, Add	21.16	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.87	
26 09 23 00-0629	EA		Low Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch CM ADC)	219.17	26.45
			For Dual Zone Option, Add	45.34	
			For Low Temp/High Humidity Option, Add	15.11	
26 09 23 00-0630	EA		Low Voltage, Recessed Mount, Automatic Dimming Control Photocell (Sensor Switch RM ADC)	219.17	26.45
			For Dual Zone Option, Add	45.34	
			For Low Temp/High Humidity Option, Add	15.11	
26 09 23 00-0631	EA		Low Voltage, Fixture (Box) Mount, Automatic Dimming Control Photocell (Sensor Switch CMB ADC)	219.17	26.45
			For Dual Zone Option, Add	45.34	
			For Low Temp/High Humidity Option, Add	15.11	
26 09 23 00-0632	EA		Line Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch CMR ADC)	219.17	26.45
			For Dual Zone Option, Add	45.34	
			For Low Temp/High Humidity Option, Add	15.11	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.87	
26 09 23 00-0633	EA		Line Voltage, Recessed Mount, Automatic Dimming Control Photocell (Sensor Switch RMR ADC)	219.17	26.45
			For Dual Zone Option, Add	45.34	
			For Low Temp/High Humidity Option, Add	15.11	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.87	
26 09 23 00-0634	EA		Line Voltage, Fixture (Box) Mount, Automatic Dimming Control Photocell (Sensor Switch CMRB ADC)	219.17	26.45
			For Dual Zone Option, Add	45.34	
			For Low Temp/High Humidity Option, Add	15.11	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.87	
26 09 23 00-0635	EA		Low Voltage, Ceiling Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CM PC ADC)	318.92	26.45
			For Dual Zone Option, Add	45.34	
			For Low Temp/High Humidity Option, Add	15.11	
26 09 23 00-0636	EA		Low Voltage, Recessed Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch RM PC ADC)	318.92	26.45
			For Dual Zone Option, Add	45.34	
			For Low Temp/High Humidity Option, Add	15.11	
26 09 23 00-0637	EA		Low Voltage, Fixture (Box) Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMB PC ADC)	318.92	26.45
			For Dual Zone Option, Add	45.34	
			For Low Temp/High Humidity Option, Add	15.11	
26 09 23 00-0638	EA		Line Voltage, Ceiling Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMR PC ADC)	318.92	26.45
			For Dual Zone Option, Add	45.34	
			For Low Temp/High Humidity Option, Add	15.11	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.87	
26 09 23 00-0639	EA		Line Voltage, Recessed Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch RMR PC ADC)	318.92	26.45
			For Dual Zone Option, Add	45.34	
			For Low Temp/High Humidity Option, Add	15.11	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.87	
26 09 23 00-0640	EA		Line Voltage, Fixture (Box) Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMRB PC ADC)	318.92	26.45
			For Dual Zone Option, Add	45.34	
			For Low Temp/High Humidity Option, Add	15.11	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.87	

26 09 23 00-0641 Occupancy Sensors (Sensor Switch nLight®) (26 09 23)
Note: Includes testing of new devices and certification.

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 09 23 00-0642		Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0641) Note: Excludes boxes.		
26 09 23 00-0643		Wall Switch Mount Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0642)		
26 09 23 00-0644		Dual Technology, Wall Switch Mount Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0643) Note: Includes passive infrared and microphonics detection		
26 09 23 00-0645	EA	Low Voltage, Dual Technology, Wall Switch Mount Occupancy Sensor With Raise/Lower Dim Control (Sensor Switch nLight® nWSX PDT LV DX).....	348.15	11.76
26 09 23 00-0646		360 Degree View Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0642)		
26 09 23 00-0647		Passive Infrared, 360 Degree View Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0646) Note: One photocell or dimming option per occupancy sensor		
26 09 23 00-0648	EA	Low Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM 9).....	409.65	26.45
26 09 23 00-0649	EA	Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM 10).....	409.65	26.45
26 09 23 00-0650	EA	Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor With Auto Dimming Control Photocell (Sensor Switch nLight® nCM 10 ADC).....	409.65	26.45
26 09 23 00-0651		Dual Technology, 360 Degree View Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0646) Note: One photocell or dimming option per occupancy sensor. Includes passive infrared and microphonics detection		
26 09 23 00-0652	EA	Low Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 9).....	480.99	26.45
26 09 23 00-0653	EA	Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 10).....	480.99	26.45
26 09 23 00-0654	EA	2-Channel, Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 10 2P).....	498.80	26.45
26 09 23 00-0655		Wide View And Hallway Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0642)		
26 09 23 00-0656		Dual Technology, Wide View And Hallway Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0655) Note: Includes passive infrared and microphonics detection		
26 09 23 00-0657	EA	Low Voltage, Dual Technology, Corner/Ceiling Mount, Wide View Occupancy Sensor (Sensor Switch nLight® nWV PDT 16)	480.99	26.45
26 09 23 00-0658		High Bay Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0642)		
26 09 23 00-0659		Passive Infrared, High Bay Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0658)		
26 09 23 00-0660	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch nLight® nCMB 6)	409.65	26.45
26 09 23 00-0661		Occupancy Sensor Power Packs (Sensor Switch nLight®) (26 09 23 00-0641)		
26 09 23 00-0662	EA	150mA At 15 Volt DC Output, 120-277 Volt AC Input, Standard Power Supply (Sensor Switch nLight® PS-150).....	136.21	23.51
26 09 23 00-0663	EA	250mA At 15 Volt DC Output, 120-277 Volt AC Input, Standard Power Supply (Sensor Switch nLight® PS-250).....	171.92	23.51
26 09 23 00-0664	EA	30mA/Port At 15 Volt DC Output, 120-277 Volt AC Input, Dimming Power Pack (Sensor Switch nLight® nEPP5 D KO)	232.53	23.51
26 09 23 00-0665	EA	System Power Pack and Relay, Switching Module (Sensor Switch nLight® nPP 16)	232.53	23.51
26 09 23 00-0666		Occupancy Sensor Accessories (Sensor Switch nLight®) (26 09 23 00-0641)		
26 09 23 00-0667	EA	RS232 AV Integrator (Sensor Switch nLight® nIO X)	498.80	26.45
26 09 23 00-0668	EA	8 Port, Aggregation Bridge With Power Supply (Sensor Switch nLight® nBRG 8 KIT).....	400.51	26.45
26 09 23 00-0669		Daylighting Controls (Sensor Switch nLight®) (26 09 23 00-0641)		
26 09 23 00-0670	EA	Low Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch nLight® nCM ADC)	338.30	26.45
26 09 23 00-0671		Controls (Sensor Switch nLight®) (26 09 23 00-0641)		
26 09 23 00-0672	EA	On/Off And Raise/Lower Control, Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM DX).....	220.58	26.45
26 09 23 00-0673	EA	1 Scene Controller (2 Buttons), Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM 1SB)	320.49	26.45
26 09 23 00-0674	EA	On/Off Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM).....	748.55	26.45
26 09 23 00-0675	EA	3-1/2" Screen, High Resolution Touch Screen Controller, WallPod® Station (Sensor Switch nLight® nPOD GFX)	748.55	26.45
26 09 23 00-0676	EA	3-1/2" Screen, Touch Screen Clock And Network Interface Controller, Gateway (Sensor Switch nLight® nGWY2).....	2,817.63	26.45
26 09 23 00-0677		Occupancy Sensors (Lutron) (26 09 23) Note: Includes testing of new devices and certification.		
26 09 23 00-0678		Wireless Occupancy Sensors (26 09 23 00-0677)		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0679	EA	Wireless, Passive Infrared, Ceiling Mount, 360 Degree View Occupancy/Vacancy Sensor (Lutron® LRF2-OCR2B-P-WH)	162.67	26.45
26 09 23 00-0680	EA	Wireless, Passive Infrared, Ceiling Mount, 360 Degree View Vacancy Sensor (Lutron® LRF2-VCR2B-P-WH)	170.05	26.45
26 09 23 00-0681	EA	Wireless, Passive Infrared, Hallway Wall Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OHLB-P-WH)	164.42	26.45
26 09 23 00-0682	EA	Wireless, Passive Infrared, Hallway Wall Mount, Vacancy Sensor (Lutron® LRF2-VHLB-P-WH)	174.18	26.45
26 09 23 00-0683	EA	Wireless, Passive Infrared, 90 Degree Corner Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OKLB-P-WH)	166.61	26.45
26 09 23 00-0684	EA	Wireless, Passive Infrared, 90 Degree Corner Mount, Vacancy Sensor (Lutron® LRF2-VKLB-P-WH)	174.18	26.45
26 09 23 00-0685	EA	Wireless, Passive Infrared, 180 Degree Wall Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OWLB-P-WH)	162.67	26.45
26 09 23 00-0686	EA	Wireless, Passive Infrared, 180 Degree Wall Mount, Vacancy Sensor (Lutron® LRF2-VWLB-P-WH)	166.61	26.45
26 09 23 00-0687	EA	Wireless, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Lutron® FHB140NP24V)	164.42	26.45
26 09 23 00-0688	EA	Wireless, Dual Technology, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CDT-500-WH)	256.27	26.45
26 09 23 00-0689	EA	Wireless, Dual Technology, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-500R-WH)	273.77	26.45
26 09 23 00-0690	EA	Wireless, Dual Technology, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CDT-1000-WH)	313.13	26.45
26 09 23 00-0691	EA	Wireless, Dual Technology, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-1000R-WH)	330.63	26.45
26 09 23 00-0692	EA	Wireless, Dual Technology, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CDT-2000-WH)	339.38	26.45
26 09 23 00-0693	EA	Wireless, Dual Technology, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-2000R-WH)	356.87	26.45
26 09 23 00-0694	EA	Wireless, Passive Infrared, Ceiling Mount, 450 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CIR-450-WH)	201.16	26.45
26 09 23 00-0695	EA	Wireless, Passive Infrared, Ceiling Mount, 1,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CIR-1500-WH)	212.53	26.45
26 09 23 00-0696	EA	Wireless, Ultrasonic, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CUS-500-WH)	249.71	26.45
26 09 23 00-0697	EA	Wireless, Ultrasonic, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CUS-1000-WH)	278.14	26.45
26 09 23 00-0698	EA	Wireless, Ultrasonic, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CUS-2000-WH)	300.01	26.45
26 09 23 00-0699	EA	Wireless, Passive Infrared, 1,600 SF Coverage, 110 Degree Wall Mount, Occupancy Sensor (Lutron® LOS-WIR-WH)	258.46	26.45
26 09 23 00-0700	EA	Wireless, Passive Infrared, RF Daylight Sensor (Lutron® LRF2-DCRB-WH)	237.22	26.45
26 09 23 00-0701	EA	Wireless, Dual Technology, Wall Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-SIR-HD-WH)	197.70	26.45
26 09 23 00-0702	EA	Wireless, Dual Technology, Wall Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor, Dual Circuit (Lutron® LOS-S2IR-HD-WH)	244.30	26.45
26 09 23 00-0703	EA	Wireless, Switch and Ceiling Retrofit Sensor (Lutron® MRF2-1S8A-10C)	297.53	26.45
26 09 23 00-0704	EA	Wireless, Switch and Hallway Retrofit Sensor (Lutron® MRF2-1S8A-10H)	316.06	26.45
26 09 23 00-0705	EA	Wireless, Switch and Corner Retrofit Sensor (Lutron® MRF2-1S8A-10K)	316.06	26.45
26 09 23 00-0706	EA	Wireless, Switch and Wall Retrofit Sensor (Lutron® MRF2-1S8A-10W)	316.06	26.45
26 09 23 00-0707	EA	Wireless, Switch and Vacancy Retrofit Sensor (Lutron® MRF2-1S8A-10V)	333.03	26.45
26 09 23 00-0708	EA	Wireless, Two Switchs and Wall Retrofit Sensor (Lutron® MRF2-2S8A-10W)	540.98	38.21
26 09 23 00-0709 Nodes And Modules (26 09 23 00-0677)				
26 09 23 00-0710	EA	0 Wired Inputs, Ceiling Mount, QS Sensor Module (Lutron® QSM2-XW-C)	267.21	26.45
26 09 23 00-0711	EA	0 Wired Inputs, Junction Box Ceiling Mount, QS Sensor Module (Lutron® QSM2-XW-J)	267.21	26.45
26 09 23 00-0712	EA	4 Wired Inputs, Ceiling Mount, QS Sensor Module (Lutron® QSM2-4W-C)	339.38	26.45
26 09 23 00-0713	EA	4 Wired Inputs, Junction Box Ceiling Mount, QS Sensor Module (Lutron® QSM2-4W-J)	339.38	26.45
26 09 23 00-0714	EA	120 Volt, Gang Box Mount, 3-Wire Fluorescent Power Module (Lutron® PHPM-3F-120-WH)	434.91	29.40
26 09 23 00-0715	EA	120 Volt, Gang Box Mount, Switching Power Module (Lutron® PHPM-SW-DV-WH)	434.91	29.40
26 09 23 00-0716	EA	120 Volt, Gang Box Mount, Phase Adaptive Power Module (Lutron® PHPM-PA-120-WH)	528.95	29.40
26 09 23 00-0717	EA	120 Volt, Gang Box Mount, Phase Adaptive Power Module With 3-Wire Fluorescent Input (Lutron® PHPM-WBX-120-WH)	542.07	29.40
26 09 23 00-0718	EA	120/277 Volt, Gang Box Mount, 3-Wire Fluorescent Power Module (Lutron® PHPM-3F-DV-WH)	671.10	29.40
26 09 23 00-0719	EA	120/277 Volt, Gang Box Mount, Phase Adaptive Power Module (Lutron® PHPM-PA-DV-WH)	712.65	29.40
26 09 23 00-0720	EA	120/277 Volt, Gang Box Mount, Phase Adaptive Power Module With 3-Wire Fluorescent Input (Lutron® PHPM-WBX-DV-WH)	754.21	29.40
26 09 23 00-0721	EA	1 Circuit, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-2)	2,045.89	47.03
26 09 23 00-0722	EA	2 Circuits, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-4)	2,008.45	52.91
26 09 23 00-0723	EA	3 Circuits, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-6)	2,949.66	58.78
26 09 23 00-0724 Other Accessories (26 09 23 00-0677)				
26 09 23 00-0725	EA	Pico® Wireless Control Wallplate Adapter (Lutron® PJ)	40.51	
26 09 23 00-0726	EA	Pico® Wireless Control (Lutron® PJ)	55.50	
26 09 23 00-0727	EA	4-Scene Wireless Remote Control (Lutron® GRX-IT-WH)	164.82	
26 09 23 00-0728	EA	8-Scene Wireless Remote Control (Lutron® GRX-8IT-WH)	315.72	
26 09 23 00-0729	EA	4 Button, EcoSystem® Wall Control With Raise/Lower (Lutron® CC-4BRL)	326.76	26.45
26 09 23 00-0730	EA	seeTouch® QS Wallstation (Lutron® QSW2)	415.40	26.45
26 09 23 00-0731	EA	seeTouch® QS Wallstation With Infrared Receiver (Lutron® QSW2)	415.40	26.45
26 09 23 00-0732	EA	120/277 Volt, Energi Savr Node™ With Softswitch®, Fixture Controller (Lutron® QSN-4S16-S)	684.22	29.40
26 09 23 00-0733	EA	120/277 Volt, Energi Savr Node™ For 0-10 V Models, Fixture Controller (Lutron® QSN-4T16-S)	940.10	29.40
26 09 23 00-0734	EA	Control Interface (Lutron® QSE-CI-NWK-E)	1,133.24	26.45
26 09 23 00-0735	EA	1 EcoSystem® Digital Link, Energi Savr Node™, Digital Fixture Controller (Lutron® QSN-1ECO-S)	1,124.51	26.45
26 09 23 00-0736	EA	2 EcoSystem® Digital Links, Energi Savr Node™, Digital Fixture Controller (Lutron® QSN-2ECO-S)	1,507.23	26.45
26 09 23 00-0737	MLF	5 Conductor, Non-Plenum, Low Voltage Grafik Eye Cable (Lutron® GRX-CBL-346S)	2,299.27	821.61
26 09 23 00-0738	MLF	5 Conductor, Plenum Rated, Low Voltage Grafik Eye Cable (Lutron® GRX-PCBL-346S)	3,174.05	821.61
26 09 23 00-0739 Wired Occupancy Sensors (26 09 23 00-0677)				
26 09 23 00-0740	EA	120 Volt, Dimmer With Occupancy Sensor (Lutron® MS-OP600M)	128.82	29.40

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
26 09 23 00-0741	EA 120 Volt, Eco-dim Dimmer With Occupancy Sensor (Lutron® MS-OP600GHW)	135.61		29.40	
26 09 23 00-0742	EA 120 Volt, Dimmer With Vacancy Sensor (Lutron® MS-VP600M)	128.82		29.40	
26 09 23 00-0743	EA 120 Volt, Eco-dim Dimmer With Vacancy Sensor (Lutron® MS-VP600GHW)	135.61		29.40	
26 09 23 00-0744	EA 120 Volt, Occupancy Sensor Switch (Lutron® MS-OPS2)	96.27		29.40	
26 09 23 00-0745	EA 120 Volt, 3-Way Occupancy Sensor Switch (Lutron® MS-OPS5M)	115.42		29.40	
26 09 23 00-0746	EA 120 Volt, 3-Way Occupancy Sensor With Dual Voltage Switch (Lutron® MS-OPS6M2-DV)	164.36		29.40	
26 09 23 00-0747	EA 120 Volt, 3-Way Occupancy Sensor With Dual Voltage Switch (Lutron® MS-OPS6M2N-DV)	144.19		29.40	
26 09 23 00-0748	EA 120 Volt, Vacancy Sensor Switch (Lutron® MS-VPS2)	93.69		29.40	
26 09 23 00-0749	EA 120 Volt, 3-Way Vacancy Sensor Switch (Lutron® MS-VPS5M)	115.42		29.40	
26 09 23 00-0750	EA 120 Volt, 3-Way Vacancy Sensor With Dual Voltage Switch (Lutron® MS-VPS6M2-DV)	156.83		29.40	
26 09 23 00-0751	EA 120 Volt, 3-Way Vacancy Sensor With Dual Voltage Switch (Lutron® MS-VPS6M2N-DV)	131.22		29.40	
26 09 23 00-0752	Occupancy Sensors (Cooper) (26 09 23)				
	Note: Includes testing of new devices and certification.				
26 09 23 00-0753	EA Single & Dual Level Wall Switch Sensor (Cooper OSW-P)	301.49		26.45	
26 09 23 00-0754	EA Single Level Wall Switch Sensor (Cooper OSW-P-1001)	161.12		26.45	
26 09 23 00-0755	EA MicroSet Dual Tech Ceiling Sensor, Low Voltage (Cooper OAC-DT)	229.40		26.45	
26 09 23 00-0756	EA Heavy-Duty Switchpack (Cooper SP20-MV)	107.99		26.45	
26 09 23 00-0757	Fixture Mounted Occupancy Sensors (Leviton) (26 09 23)				
	Note: Includes testing of new devices and certification.				
26 09 23 00-0758	EA 120-347 Volt, Passive Infrared, Fixture Mount, 360 Degree View, High Bay Occupancy Sensor (Leviton® OSFHU-ITW)	155.67		26.45	
26 09 23 00-0759	EA 480 Volt, Passive Infrared, Fixture Mount, 360 Degree View, High Bay Occupancy Sensor (Leviton® OSFHU-14W)	135.55		26.45	
26 09 23 00-0760	EA 120-347 Volt, Passive Infrared, Fixture Mount, 360 Degree View, Cold Storage Occupancy Sensor (Leviton® OSFHU-CTW)	172.30		26.45	
26 09 23 00-0761	EA 480 Volt, Passive Infrared, Fixture Mount, 360 Degree View, Cold Storage Occupancy Sensor (Leviton® OSFHU-C4W)	135.55		26.45	
26 09 23 00-0762	EA 120-347 Volt, Dual Detection Occupancy Wall Sensor Switch (Lithonia WSX-PDT)	231.97		11.74	
26 09 23 00-0763	Wireless Enabled Communication Devices For Streetlights (26 09 23)				
	Note: Includes testing of new devices and certification.				
26 09 23 00-0764	Wireless Enabled Communication Nodes For Streetlights (Roam®) (26 09 23 00-0763)				
26 09 23 00-0765	EA 120/244/277 Voltage, Wireless Enabled Communication Node For Streetlights (Roam® REN127 NM1)	353.78			
26 09 23 00-0766	EA 480 Voltage, Wireless Enabled Communication Node For Streetlights (Roam® REN480 NM1)	496.47			
26 09 23 00-0767	Wireless Enabled Communication Devices For Streetlights (Roam®) (26 09 23 00-0763)				
26 09 23 00-0768	EA Retrofit Receptacle Kit (Roam® DUR103)	57.70			
	Note: For adapting light fixtures for use with a NEMA locking type photocontrol.				
26 09 23 00-0769	EA Wireless Enabled Backbone And Data Backhaul Device, Gateway (Roam® REG127)	14,400.28		65.38	
26 09 23 00-0770	Counter Mounted Consoles (26 09 23)				
26 09 23 00-0771	EA 20" x 24" Type 12, Oil Tight Consoles, Counter Mounted (Schaefer's SPCL-20C24)	674.68		146.71	
26 09 23 00-0772	Lighting Console And Stations (26 09 23)				
26 09 23 00-0773	EA 80 Channel, 40 Faders, Lighting Console (ETC ColorSource CS 40)	5,058.61		146.71	
	For Lighting Console Dust Cover (ETC ColorSource CS40DC), Add		110.19		
	For Lighting Console Case (ETC ColorSourcePart 11866), Add		1,174.91		
26 09 23 00-0774	EA 10 Preset, Lighting Control Station (Doug Fleenor PRE10-A2)	3,496.65		88.03	
26 09 23 00-0775	Theatre Lighting Console (26 09 23)				
26 09 23 00-0776	EA Theatre Lighting Console (ETC Colorsources 20)	3,618.54		176.06	
26 09 23 00-0777	Outdoor Lighting Controls (26 09 23)				
26 09 23 00-0778	EA 1 Channel 365 Day Outdoor Lighting Control Tork #DZS-100	936.90		117.37	
26 09 23 00-0779	EA 2 Channel 365 Day Outdoor Lighting Control Tork #DZS-200	1,116.58		117.37	
26 09 23 00-0780	EA Astro 365 Day Outdoor Lighting Control Tork #DZS-400A	1,954.21		117.37	
26 09 23 00-0781	EA 4 Circuit, 120 Volt, 10 Amperes, Timer Tork #K400Z	2,537.41		58.68	
26 09 23 00-0782	EA 6 Circuit, 120 Volt, 10 Amperes, Timer (Tork #K600Z)	3,465.87		58.68	
26 09 23 00-0783	EA 8 Circuit, 120 Volt, 10 Amperes, Timer (Tork #K800Z)	4,055.98		58.68	
26 09 23 00-0784	EA SPST, 120 Volt Photoelectric Control Tork #2101	89.36		30.52	
26 09 23 00-0785	EA SPST, 208/277 Volt Photoelectric Control Tork #2104	96.91		30.52	
26 09 23 00-0786	EA SPST, 120 Volt Photoelectric Control Tork #2105	116.46		30.52	
26 09 23 00-0787	EA 120-277 Volt, 2,000 Watt Photoelectric Control Tork #2107	109.69		30.52	
26 09 23 00-0788	Emergency Lighting Controls (26 09 23)				
26 09 23 00-0789	Emergency Lighting Control Units (Watt Stopper ELCU) (26 09 23 00-0788)				
	Note: The ELCU monitors a single circuit and can be wired either as a control device, so that emergency lighting follows the control of normal lighting, or as a bypass device to shunt emergency power around a control device when normal power fails. Includes integral push-to-test button and LED indicator for emergency and normal power.				
26 09 23 00-0790	EA DIN Rail Mount, Emergency Lighting Control/Bypass Shunt Unit (Watt Stopper ELCU-100)	234.56		29.40	
26 09 23 00-0791	EA 1/2" Knockout Mount, Emergency Lighting Control/Bypass Shunt Unit (Watt Stopper ELCU-200)	234.56		29.40	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 09 23 00-0792		Emergency Shunt Relays (Lighting Control & Design GR 2001™) (26 09 23 00-0788) Note: Normally-closed, electrically-held relay to be wired in parallel with a wall switch. Manually controlled emergency lighting will be automatically shunted on during a power outage. Includes two-gang NEMA 1 junction box, voltage-separating barrier and plaster ring separating normal and emergency power. Excludes wall plate and switch.		
26 09 23 00-0793	EA	1 Emergency Shunt Relay And NEMA 1 Enclosure (Lighting Control & Design GR 2001™).....	404.57	41.15
26 09 23 00-0794	EA	2 Emergency Shunt Relays And NEMA 1 Enclosure (Lighting Control & Design GR 2001™).....	554.28	47.03
26 09 23 00-0795	EA	2 Emergency Shunt Relays And NEMA 1 Enclosure (Lighting Control & Design GR 2001™ Dual).....	750.32	52.91
		Note: Controls normal and emergency lighting from single-pole wall switch.		
26 09 23 00-0796		Photocells (26 09 23) 26 09 23 00-0797 EA Plug-In Photocell For Lighting Fixtures (Intermac® LC2000).....	94.84	
26 09 23 00-0798	EA	Wired Photocell For Lighting Fixtures (Intermac® K4021C).....	210.68	
26 09 23 00-0799		Outdoor Lighting Motion Sensors (26 09 23) 26 09 23 00-0800 EA 70' Range, 180 Degree Detection Zone, 8 Amperes, Switching Capacity, Polycarbonate Housing, Outdoor Motion Sensor (Lithonia OMS 1000).....	128.01	29.40
26 09 23 00-0801	EA	70' Range, 200 Degree Detection Zone, 10 Amperes, Switching Capacity, Cast Aluminum Housing, Outdoor Motion Sensor (Lithonia OMS 2000).....	140.56	29.40
26 09 23 00-0802	EA	30' Range, 360 Degree Detection Zone, Line Voltage, Plastic Housing, IP66 Rated, Outdoor Motion Sensor With Photocell (SensorSwitch SBOR).....	606.61	29.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.63	
26 09 23 00-0803		Street Light Controls (26 09 23) 26 09 23 00-0804 Photo Controls (26 09 23 00-0803) 26 09 23 00-0805 EA Photo Control, 120 Volt As Manufactured By Cooper Lighting #RA1014.....	94.43	
26 09 23 00-0806	EA	Photo Control, Multi-Tap As Manufactured By Cooper Lighting #RA1016.....	107.79	
26 09 23 00-0807		Connector Node (26 09 23 00-0803) 26 09 23 00-0808 EA Outdoor Lighting Connector Node (Phillips City Touch LLC7260).....	549.69	3.32

26 10 Medium-Voltage Electrical Distribution (26)

26 11 Substations (26 10)

26 11 13 Primary Unit Substations (26 11)

26 11 13 00-0001		"Switchyard" Substation Primary Incoming Section (26 11 13) 26 11 13 00-0002 Outdoor Oil Circuit Breakers "Switchyard" (26 11 13 00-0001) Note: Type SP 14.4 thru 69 KV 1200 amp. Frame mounted. Standard equipment		
26 11 13 00-0003	EA	14.4 KV, 500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation.....	76,905.23	2,045.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,248.48	
26 11 13 00-0004	EA	23.0 KV, 750 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation.....	94,312.96	2,587.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,560.60	
26 11 13 00-0005	EA	34.5 KV, 1,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation.....	107,043.08	2,587.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,560.60	
26 11 13 00-0006	EA	46 KV, 2,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation.....	123,212.46	2,587.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,664.64	
26 11 13 00-0007	EA	69 KV, 3,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation.....	139,754.60	3,188.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,920.73	
26 11 13 00-0008		Accessories For Outdoor Oil Circuit Breakers (26 11 13 00-0001) 26 11 13 00-0009 EA Reclosure Relay, Adjustable, 3 Shot, #179.....	2,015.97	214.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	126.99	
26 11 13 00-0010	EA	Overcurrent Relay, 1 Phase, #51/51N.....	594.72	155.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	84.69	
26 11 13 00-0011	EA	Directional Overcurrent Relay, Three-Phase, Device No. 67.....	912.27	155.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	105.53	
26 11 13 00-0012	EA	Voltage Relay, Under Or Over- Voltage, Device No. 27 Or 59, Three-Phase.....	720.30	155.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	84.69	
26 11 13 00-0013	EA	Differential Relay Package, Complete, Device No. 87.....	2,694.13	525.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	317.27	
26 11 13 00-0014		"Switchyard", Substation Transformer Section (26 11 13) Note: Standard NEMA design two winding three phase, 60 Hz. oil filled load tap changer 10% Range 26 11 13 00-0015 14.4 KV Nominal Primary (26 11 13 00-0014) 26 11 13 00-0016 EA 1,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	43,785.75	2,045.70
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	5,943.62	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	4,953.02	
		For Internally Mounted Current Transformers And Linear Couplers, Add	396.24	
		For Forced Air-Cooling, Add	4,754.90	
		For External Control Panel, Add	1,188.72	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	1,981.21	
		For 50 Hz Operation, Add	4,754.90	

26 Electrical**26 10 Medium-Voltage Electrical Distribution****26 11 Substations**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 11 13 00-0017	EA	2,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	49,935.98	2,563.14
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	6,710.10	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	5,591.75	
		For Internally Mounted Current Transformers And Linear Couplers, Add	447.34	
		For Forced Air-Cooling, Add	5,368.08	
		For External Control Panel, Add	1,342.02	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	2,236.70	
		For 50 Hz Operation, Add	5,368.08	
26 11 13 00-0018	EA	5,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	77,006.65	3,610.05
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	10,441.24	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	8,701.03	
		For Internally Mounted Current Transformers And Linear Couplers, Add	696.08	
		For External Control Panel, Add	2,088.25	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	3,480.41	
		For 50 Hz Operation, Add	8,352.99	
		For Forced Air-Cooling, Add	8,352.99	
26 11 13 00-0019	EA	7,500 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	112,067.21	4,369.38
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	15,396.46	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	12,830.38	
		For Internally Mounted Current Transformers And Linear Couplers, Add	1,026.43	
		For External Control Panel, Add	3,079.29	
		For Forced Air-Cooling, Add	12,317.17	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	5,132.15	
		For 50 Hz Operation, Add	12,317.17	
26 11 13 00-0020	EA	10,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	138,019.45	5,654.49
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	18,935.89	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	15,779.91	
		For Internally Mounted Current Transformers And Linear Couplers, Add	1,262.39	
		For External Control Panel, Add	3,787.18	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	6,311.96	
		For 50 Hz Operation, Add	15,148.71	
		For Forced Air-Cooling, Add	15,148.71	

26 11 13 00-0021 23 KV Nominal Primary (26 11 13 00-0014)

26 11 13 00-0022	EA	1,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	48,789.54	2,767.70
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	6,538.13	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	5,448.44	
		For Internally Mounted Current Transformers And Linear Couplers, Add	435.88	
		For External Control Panel, Add	1,307.63	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	2,179.38	
		For 50 Hz Operation, Add	5,230.51	
		For Forced Air-Cooling, Add	3,487.00	
26 11 13 00-0023	EA	2,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	55,604.38	2,767.70
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	7,398.41	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	6,165.34	
		For Internally Mounted Current Transformers And Linear Couplers, Add	493.23	
		For External Control Panel, Add	1,479.68	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	2,466.14	
		For 50 Hz Operation, Add	5,918.73	
		For Forced Air-Cooling, Add	3,945.82	
26 11 13 00-0024	EA	5,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	89,729.53	4,091.40
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	12,210.95	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	10,175.79	
		For Internally Mounted Current Transformers And Linear Couplers, Add	814.06	
		For Forced Air-Cooling, Add	6,512.51	
		For External Control Panel, Add	2,442.19	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	4,070.32	
		For 50 Hz Operation, Add	9,768.76	
26 11 13 00-0025	EA	7,500 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	120,322.34	5,654.49
		For Forced Air-Cooling, Add	8,683.37	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	16,281.32	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	13,567.77	
		For Internally Mounted Current Transformers And Linear Couplers, Add	1,085.42	
		For External Control Panel, Add	3,256.26	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	5,427.11	
		For 50 Hz Operation, Add	13,025.06	
26 11 13 00-0026	EA	10,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	149,817.55	5,654.49
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	20,705.60	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	17,254.67	
		For Internally Mounted Current Transformers And Linear Couplers, Add	1,380.37	
		For External Control Panel, Add	4,141.12	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	6,901.87	
		For 50 Hz Operation, Add	16,564.48	
		For Forced Air-Cooling, Add	11,042.99	

26 11 13 00-0027 34.5 KV Nominal Primary (26 11 13 00-0014)

26 11 13 00-0028	EA	1,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	61,339.56	3,309.21
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	8,258.69	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	6,882.24	
		For Internally Mounted Current Transformers And Linear Couplers, Add	550.58	
		For External Control Panel, Add	1,651.74	
		For Forced Air-Cooling, Add	4,404.63	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	2,752.90	
		For 50 Hz Operation, Add	6,606.95	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0029	EA	2,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	74,094.80	5,174.41
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	9,979.24	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	8,316.03	
		For Internally Mounted Current Transformers And Linear Couplers, Add	665.28	
		For External Control Panel, Add	1,995.85	
		For Forced Air-Cooling, Add	5,322.26	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	3,326.41	
		For 50 Hz Operation, Add	7,983.39	
26 11 13 00-0030	EA	5,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	102,429.22	5,174.41
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	13,803.79	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	11,503.16	
		For Internally Mounted Current Transformers And Linear Couplers, Add	920.25	
		For External Control Panel, Add	2,760.76	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	4,601.26	
		For 50 Hz Operation, Add	11,043.03	
		For Forced Air-Cooling, Add	7,362.02	
26 11 13 00-0031	EA	7,500 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	132,120.35	5,525.98
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	18,051.02	
		For Forced Air-Cooling, Add	9,627.21	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	15,042.52	
		For Internally Mounted Current Transformers And Linear Couplers, Add	1,203.40	
		For External Control Panel, Add	3,610.20	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	6,017.01	
		For 50 Hz Operation, Add	14,440.82	
26 11 13 00-0032	EA	10,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	229,803.51	7,068.12
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	32,208.73	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	26,840.61	
		For Internally Mounted Current Transformers And Linear Couplers, Add	2,147.25	
		For Forced Air-Cooling, Add	17,177.99	
		For External Control Panel, Add	6,441.75	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	10,736.24	
		For 50 Hz Operation, Add	25,766.98	
26 11 13 00-0033 46 KV Nominal Primary (26 11 13 00-0014)				
26 11 13 00-0034	EA	1,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	94,664.78	3,850.72
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	13,064.74	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	10,887.28	
		For Internally Mounted Current Transformers And Linear Couplers, Add	870.98	
		For Forced Air-Cooling, Add	6,967.86	
		For External Control Panel, Add	2,612.95	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	4,354.91	
		For 50 Hz Operation, Add	10,451.79	
26 11 13 00-0035	EA	2,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	107,067.81	3,850.72
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	14,811.69	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	12,343.08	
		For Internally Mounted Current Transformers And Linear Couplers, Add	987.45	
		For Forced Air-Cooling, Add	7,899.57	
		For External Control Panel, Add	2,962.34	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	4,937.23	
		For 50 Hz Operation, Add	11,849.36	
26 11 13 00-0036	EA	5,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	148,642.30	5,174.41
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	20,735.75	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	17,279.79	
		For Internally Mounted Current Transformers And Linear Couplers, Add	1,382.38	
		For External Control Panel, Add	4,147.15	
		For Forced Air-Cooling, Add	11,059.07	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	6,911.92	
		For 50 Hz Operation, Add	16,588.60	
26 11 13 00-0037	EA	7,500 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	181,188.21	7,068.12
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	24,916.43	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	20,763.69	
		For Internally Mounted Current Transformers And Linear Couplers, Add	1,661.10	
		For External Control Panel, Add	4,983.29	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	8,305.48	
		For 50 Hz Operation, Add	19,933.15	
		For Forced Air-Cooling, Add	13,288.76	
26 11 13 00-0038	EA	10,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	259,371.79	7,068.12
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	36,643.97	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	30,536.64	
		For Internally Mounted Current Transformers And Linear Couplers, Add	2,442.93	
		For External Control Panel, Add	7,328.79	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	12,214.66	
		For 50 Hz Operation, Add	29,315.18	
		For Forced Air-Cooling, Add	19,543.45	
26 11 13 00-0039 69 KV Nominal Primary (26 11 13 00-0014)				
26 11 13 00-0040	EA	1,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	137,015.63	4,091.40
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	19,303.87	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	16,086.56	
		For Internally Mounted Current Transformers And Linear Couplers, Add	1,286.92	
		For Forced Air-Cooling, Add	10,295.40	
		For External Control Panel, Add	3,860.77	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	6,434.62	
		For 50 Hz Operation, Add	15,443.09	

26 Electrical**26 10 Medium-Voltage Electrical Distribution****26 11 Substations**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 11 13 00-0041	EA	2,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	157,121.85	5,174.41
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	22,007.68	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	18,339.73	
		For Internally Mounted Current Transformers And Linear Couplers, Add	1,467.18	
		For Forced Air-Cooling, Add	11,737.43	
		For External Control Panel, Add	4,401.54	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	7,335.89	
		For 50 Hz Operation, Add	17,606.14	
26 11 13 00-0042	EA	5,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	217,063.62	5,174.41
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	30,998.95	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	25,832.46	
		For Internally Mounted Current Transformers And Linear Couplers, Add	2,066.60	
		For External Control Panel, Add	6,199.79	
		For Forced Air-Cooling, Add	16,532.77	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	10,332.98	
		For 50 Hz Operation, Add	24,799.16	
26 11 13 00-0043	EA	7,500 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	228,945.63	7,068.12
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	32,080.05	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	26,733.37	
		For Internally Mounted Current Transformers And Linear Couplers, Add	2,138.67	
		For External Control Panel, Add	6,416.01	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	10,693.35	
		For 50 Hz Operation, Add	25,664.04	
		For Forced Air-Cooling, Add	17,109.36	
26 11 13 00-0044	EA	10,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	301,142.77	7,068.12
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	42,909.62	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	35,758.01	
		For Internally Mounted Current Transformers And Linear Couplers, Add	2,860.64	
		For External Control Panel, Add	8,581.92	
		For Forced Air-Cooling, Add	22,885.13	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	14,303.21	
		For 50 Hz Operation, Add	34,327.69	

26 11 13 00-0045 Circuit Breakers Fluarc SF6 13.8 KV (26 11 13)

26 11 13 00-0046	EA	1,200 Amperes, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	82,902.42	994.53
26 11 13 00-0047	EA	1,200 Amperes, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	91,088.40	994.53
26 11 13 00-0048	EA	1,200 Amperes, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	103,636.47	1,235.37
26 11 13 00-0049	EA	2,000 Amperes, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	96,685.02	1,485.47
26 11 13 00-0050	EA	2,000 Amperes, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	109,051.69	1,485.47
26 11 13 00-0051	EA	2,000 Amperes, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	124,390.59	1,725.78
26 11 13 00-0052	EA	3,000 Amperes, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	128,102.72	1,971.71
26 11 13 00-0053	EA	3,000 Amperes, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	143,499.92	1,971.71
26 11 13 00-0054	EA	3,000 Amperes, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	150,307.08	2,214.25

26 11 16 Secondary Unit Substations (26 11)**26 11 16 11 Secondary Unit Substations with Switchgear Secondary** (26 11 16)

26 11 16 11-0001		Substation Primary Incoming Section (26 11 16 11)		
26 11 16 11-0002		Manual Transferring Fused Load Break Switches (26 11 16 11-0001)		
		Note: 15 KV 600 Amp 3 pole 2 position floor mounted. Type, metal compartment includes weatherproofing, fuses, transformer throat, pothead terminations thru 500 MCM, with surge protection. Manual transferring of one line to an alternate incoming line.		
26 11 16 11-0003	EA	112.5 Thru 1,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position	39,486.50	1,460.43
26 11 16 11-0004	EA	2,000 And 2,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position	45,601.73	1,460.43
26 11 16 11-0005		Automatic Transferring Fused Load Break Switches (26 11 16 11-0001)		
		Note: Items are equipped with 3 pole - 2 position selector switch for automatic transferring one line to an alternate incoming line.		
26 11 16 11-0006	EA	112.5 Thru 1,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position Selector Switch	55,889.34	1,460.43
26 11 16 11-0007	EA	2,000 And 2,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position Selector Switch	59,869.17	1,460.43
26 11 16 11-0008		Accessories For Substation Fused Load Break Switches (26 11 16 11-0001)		
26 11 16 11-0009	EA	Primary Lightning Arrestors Accessories, Secondary Distribution Section	21,485.95	
26 11 16 11-0010	EA	Key Interlock Accessories, Secondary Distribution Section	2,091.38	
26 11 16 11-0011		Oil Filled Substation Transformers (26 11 16 11)		
		Note: 112-1/2 KVA thru 2500 KVA standard NEMA design 3 phase cover mounted manual tap changer, liquid level gauge with alarm contacts, thermometer with alarm contacts, pressure vacuum gauge, automatic control for auxiliary cooling equipment. Weatherproof.		
26 11 16 11-0012		Substation, Primary 13.8 KV Secondary 480Y/277 Or 480 Volt, 60 HZ (26 11 16 11-0011)		
26 11 16 11-0013	EA	75 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	37,328.33	902.51
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	2,486.63	
		For Internal Mounted Current Transformer And Linear Coupler, Add	355.23	
		For Control Power Transformer On Fans And Auxiliary, Add	1,065.70	
26 11 16 11-0014	EA	112.5 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	55,224.79	1,083.02
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	3,714.11	
		For Internal Mounted Current Transformer And Linear Coupler, Add	530.59	
		For Control Power Transformer On Fans And Auxiliary, Add	1,591.76	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 11-0015	EA	150 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Internal Mounted Current Transformer And Linear Coupler, Add For Control Power Transformer On Fans And Auxiliary, Add	62,542.59 4,209.51 601.36 1,804.08	1,203.35
26 11 16 11-0016	EA	225 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Internal Mounted Current Transformer And Linear Coupler, Add For Control Power Transformer On Fans And Auxiliary, Add	73,871.78 4,960.44 708.63 2,125.90	1,504.19
26 11 16 11-0017	EA	300 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Internal Mounted Current Transformer And Linear Coupler, Add For Control Power Transformer On Fans And Auxiliary, Add	82,045.82 5,482.08 783.15 2,349.46	1,865.19
26 11 16 11-0018	EA	500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Internal Mounted Current Transformer And Linear Coupler, Add For Control Power Transformer On Fans And Auxiliary, Add	87,244.27 5,787.01 826.72 2,480.15	2,286.37
26 11 16 11-0019	EA	750 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Internal Mounted Current Transformer And Linear Coupler, Add For Control Power Transformer On Fans And Auxiliary, Add	101,958.05 6,749.58 964.23 2,892.68	2,767.70
26 11 16 11-0020	EA	1,000 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Internal Mounted Current Transformer And Linear Coupler, Add For Control Power Transformer On Fans And Auxiliary, Add	108,536.50 7,176.38 1,025.20 3,075.59	3,008.38
26 11 16 11-0021	EA	1,500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Internal Mounted Current Transformer And Linear Coupler, Add For Control Power Transformer On Fans And Auxiliary, Add	121,371.89 8,032.74 1,147.53 3,442.60	3,309.21
26 11 16 11-0022	EA	2,000 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Internal Mounted Current Transformer And Linear Coupler, Add For Control Power Transformer On Fans And Auxiliary, Add	140,635.19 9,330.63 1,332.95 3,998.84	3,670.22
26 11 16 11-0023	EA	2,500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Internal Mounted Current Transformer And Linear Coupler, Add For Control Power Transformer On Fans And Auxiliary, Add	154,477.86 10,253.29 1,464.76 4,394.27	4,001.15
26 11 16 11-0024 Substation, Primary 13.8 KV Secondary 208Y/120 Volt, 60 HZ (26 11 16 11-0011)				
26 11 16 11-0025	EA	75 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Internal Mounted Current Transformer And Linear Coupler, Add For Control Power Transformer On Fans And Auxiliary, Add	35,556.12 2,362.58 337.51 1,012.53	902.51
26 11 16 11-0026	EA	112.5 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Internal Mounted Current Transformer And Linear Coupler, Add For Control Power Transformer On Fans And Auxiliary, Add	54,289.13 3,673.89 524.84 1,574.52	902.51
26 11 16 11-0027	EA	150 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Internal Mounted Current Transformer And Linear Coupler, Add For Control Power Transformer On Fans And Auxiliary, Add	62,503.37 4,206.77 600.97 1,802.90	1,203.35
26 11 16 11-0028	EA	225 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Internal Mounted Current Transformer And Linear Coupler, Add For Control Power Transformer On Fans And Auxiliary, Add	73,939.25 4,965.16 709.31 2,127.93	1,504.19
26 11 16 11-0029	EA	300 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Internal Mounted Current Transformer And Linear Coupler, Add For Control Power Transformer On Fans And Auxiliary, Add	88,932.21 5,964.13 852.02 2,556.05	1,865.19
26 11 16 11-0030	EA	500 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Internal Mounted Current Transformer And Linear Coupler, Add For Control Power Transformer On Fans And Auxiliary, Add	95,819.07 6,387.24 912.46 2,737.39	2,286.37
26 11 16 11-0031	EA	750 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Internal Mounted Current Transformer And Linear Coupler, Add For Control Power Transformer On Fans And Auxiliary, Add	105,917.56 7,026.75 1,003.82 3,011.46	2,767.70
26 11 16 11-0032	EA	1,000 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Internal Mounted Current Transformer And Linear Coupler, Add For Control Power Transformer On Fans And Auxiliary, Add	115,357.12 7,653.83 1,093.40 3,280.21	3,008.38
26 11 16 11-0033	EA	1,500 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Internal Mounted Current Transformer And Linear Coupler, Add For Control Power Transformer On Fans And Auxiliary, Add	130,192.00 8,650.15 1,235.74 3,707.21	3,309.21
26 11 16 11-0034 Accessories For Oil Filled Substation Transformers (26 11 16 11-0011)				
26 11 16 11-0035	EA	Sudden Pressure Relay	10,766.97	
26 11 16 11-0036	EA	Throats Or Flanges (HV Or LV)	21,376.09	
26 11 16 11-0037	EA	Lightning Arrestors (3 - 1 Pole)	14,075.34	
26 11 16 11-0038	EA	Single Feeder Switch With Fuses 3 Pole, 2 Position, Open-Close Close) Fuse Type - CLE (80E To 125 X).....	78,111.05	
26 11 16 11-0039	EA	Oil Fuse Cutout, 15 KV, 200 Amperes, Free Standing Air Filled Terminal Compartment, 15 KV - 200 Amp Cutout	73,080.66	
26 11 16 11-0040 Reinforced Concrete Curb With 6" Slab (26 11 16 11-0011)				
Note: For transformer liquid containment area.				
26 11 16 11-0041	EA	112.5 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	8,243.21	1,375.05
26 11 16 11-0042	EA	150 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	8,243.21	1,375.05

26 Electrical**26 10 Medium-Voltage Electrical Distribution****26 11 Substations**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
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26 11 16 11-0043	EA	225 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	8,243.21	1,375.05
26 11 16 11-0044	EA	300 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	8,243.21	1,375.05
26 11 16 11-0045	EA	500 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	8,243.21	1,375.05
26 11 16 11-0046	EA	750 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	8,243.21	1,375.05
26 11 16 11-0047	EA	1,000 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	8,243.21	1,375.05
26 11 16 11-0048	EA	1,500 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	10,101.16	1,585.45

26 11 16 11-0049 Dry Type Substation Transformer (26 11 16 11)

Note: Standard NEMA design 3 phase - 150 C rise - 60 Hz self-cooled, ventilated.

26 11 16 11-0050 Primary 4.16 Or 4.8 KV Secondary 208 Y/120 Or 240 Volt (26 11 16 11-0049)

Note: Primary 4.160 or 4.8 KV (delta or wye).

26 11 16 11-0051	EA	112.5 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	66,047.80	962.68
		For Single Phase Transformers, Deduct	-1,603.06	
		For Dry Type Unit, Add	14,299.47	
		For Gas Filled Transformers, Add	38,473.46	
26 11 16 11-0052	EA	150 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	66,168.13	1,022.84
		For Single Phase Transformers, Deduct	-1,603.06	
		For Dry Type Unit, Add	14,311.50	
		For Gas Filled Transformers, Add	38,473.46	
26 11 16 11-0053	EA	225 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	67,364.37	1,203.35
		For Single Phase Transformers, Deduct	-1,623.94	
		For Dry Type Unit, Add	14,531.36	
		For Gas Filled Transformers, Add	38,974.60	
26 11 16 11-0054	EA	300 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	74,359.27	1,323.69
		For Single Phase Transformers, Deduct	-1,792.80	
		For Dry Type Unit, Add	16,041.36	
		For Gas Filled Transformers, Add	43,027.14	
26 11 16 11-0055	EA	500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	82,390.62	1,564.35
		For Single Phase Transformers, Deduct	-1,981.55	
		For Dry Type Unit, Add	17,750.49	
		For Gas Filled Transformers, Add	47,557.14	
26 11 16 11-0056	EA	750 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	95,466.26	1,805.03
		For Single Phase Transformers, Deduct	-2,296.41	
		For Dry Type Unit, Add	20,569.37	
		For Gas Filled Transformers, Add	55,113.73	
26 11 16 11-0057	EA	1,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	110,735.85	2,166.03
		For Single Phase Transformers, Deduct	-2,660.09	
		For Dry Type Unit, Add	23,842.04	
		For Gas Filled Transformers, Add	63,842.27	
26 11 16 11-0058	EA	1,500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	131,118.15	2,406.70
		For Single Phase Transformers, Deduct	-3,157.62	
		For Dry Type Unit, Add	28,268.39	
		For Gas Filled Transformers, Add	75,782.85	
26 11 16 11-0059	EA	2,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	170,785.89	2,527.04
		For Single Phase Transformers, Deduct	-4,143.30	
		For Dry Type Unit, Add	36,966.41	
		For Gas Filled Transformers, Add	99,439.09	

26 11 16 11-0060 Primary 4.16 Or 4.8 KV Secondary 480 Y/277 Or 480 Volt (26 11 16 11-0049)

Note: Primary 4.16 or 4.8 KV (delta or wye).

26 11 16 11-0061	EA	112.5 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	63,772.28	962.68
		For Single Phase Transformers, Deduct	-1,546.17	
		For Dry Type Unit, Add	13,798.86	
		For Gas Filled Transformers, Add	37,108.15	
26 11 16 11-0062	EA	150 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	66,168.13	1,022.84
		For Single Phase Transformers, Deduct	-1,603.06	
		For Dry Type Unit, Add	14,311.50	
		For Gas Filled Transformers, Add	38,473.46	
26 11 16 11-0063	EA	225 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	67,364.37	1,203.35
		For Single Phase Transformers, Deduct	-1,623.94	
		For Dry Type Unit, Add	14,531.36	
		For Gas Filled Transformers, Add	38,974.60	
26 11 16 11-0064	EA	300 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	74,359.27	1,323.69
		For Single Phase Transformers, Deduct	-1,792.80	
		For Dry Type Unit, Add	16,041.36	
		For Gas Filled Transformers, Add	43,027.14	
26 11 16 11-0065	EA	500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	82,390.62	1,564.35
		For Single Phase Transformers, Deduct	-1,981.55	
		For Dry Type Unit, Add	17,750.49	
		For Gas Filled Transformers, Add	47,557.14	
26 11 16 11-0066	EA	750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	95,466.26	1,805.03
		For Single Phase Transformers, Deduct	-2,296.41	
		For Dry Type Unit, Add	20,569.37	
		For Gas Filled Transformers, Add	55,113.73	
26 11 16 11-0067	EA	1,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	110,735.85	2,166.03
		For Single Phase Transformers, Deduct	-2,660.09	
		For Dry Type Unit, Add	23,842.04	
		For Gas Filled Transformers, Add	63,842.27	
26 11 16 11-0068	EA	1,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	131,118.15	2,406.70
		For Single Phase Transformers, Deduct	-3,157.62	
		For Dry Type Unit, Add	28,268.39	
		For Gas Filled Transformers, Add	75,782.85	
26 11 16 11-0069	EA	2,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	170,785.89	2,527.04
		For Single Phase Transformers, Deduct	-4,143.30	
		For Dry Type Unit, Add	36,966.41	
		For Gas Filled Transformers, Add	99,439.09	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 11-0070	EA	2,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	187,639.22	2,647.37
		For Single Phase Transformers, Deduct	-4,558.61	
		For Dry Type Unit, Add	40,645.26	
		For Gas Filled Transformers, Add	109,406.68	
26 11 16 11-0071	EA	3,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	209,694.67	2,767.70
		For Single Phase Transformers, Deduct	-5,103.98	
		For Dry Type Unit, Add	45,468.58	
		For Gas Filled Transformers, Add	122,495.55	
26 11 16 11-0072	EA	3,750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	242,134.66	2,888.04
		For Single Phase Transformers, Deduct	-5,908.96	
		For Dry Type Unit, Add	52,576.49	
		For Gas Filled Transformers, Add	141,815.14	
26 11 16 11-0073 Primary 13.8 KV (Delta Or Wye) Secondary 208 Y/120 Or 240 Volt (26 11 16 11-0049)				
26 11 16 11-0074	EA	112.5 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	70,997.35	1,083.02
		For Single Phase Transformers, Deduct	-1,720.78	
		For Dry Type Unit, Add	15,359.49	
		For Gas Filled Transformers, Add	41,298.79	
26 11 16 11-0075	EA	150 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	73,380.06	1,143.18
		For Single Phase Transformers, Deduct	-1,777.34	
		For Dry Type Unit, Add	15,869.25	
		For Gas Filled Transformers, Add	42,656.21	
26 11 16 11-0076	EA	225 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	78,377.61	1,323.69
		For Single Phase Transformers, Deduct	-1,893.26	
		For Dry Type Unit, Add	16,925.39	
		For Gas Filled Transformers, Add	45,438.14	
26 11 16 11-0077	EA	300 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	82,695.81	1,444.02
		For Single Phase Transformers, Deduct	-1,995.19	
		For Dry Type Unit, Add	17,846.51	
		For Gas Filled Transformers, Add	47,884.66	
26 11 16 11-0078	EA	500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	94,252.24	1,684.69
		For Single Phase Transformers, Deduct	-2,272.07	
		For Dry Type Unit, Add	20,331.17	
		For Gas Filled Transformers, Add	54,529.72	
26 11 16 11-0079	EA	750 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	104,381.54	1,925.37
		For Single Phase Transformers, Deduct	-2,513.27	
		For Dry Type Unit, Add	22,501.85	
		For Gas Filled Transformers, Add	60,318.49	
26 11 16 11-0080	EA	1,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	121,841.16	2,286.37
		For Single Phase Transformers, Deduct	-2,931.71	
		For Dry Type Unit, Add	26,256.33	
		For Gas Filled Transformers, Add	70,361.05	
26 11 16 11-0081	EA	1,500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	147,938.58	2,527.04
		For Single Phase Transformers, Deduct	-3,572.11	
		For Dry Type Unit, Add	31,940.00	
		For Gas Filled Transformers, Add	85,730.71	
26 11 16 11-0082	EA	2,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	179,300.01	2,647.37
		For Single Phase Transformers, Deduct	-4,350.13	
		For Dry Type Unit, Add	38,810.63	
		For Gas Filled Transformers, Add	104,403.16	
26 11 16 11-0083 Primary 13.8 KV (Delta Or Wye) Secondary 480 Y/277 Or 480 Volt (26 11 16 11-0049)				
26 11 16 11-0084	EA	112.5 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	70,997.35	1,083.02
		For Single Phase Transformers, Deduct	-1,720.78	
		For Dry Type Unit, Add	15,359.49	
		For Gas Filled Transformers, Add	41,298.79	
26 11 16 11-0085	EA	150 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	73,380.06	1,143.18
		For Single Phase Transformers, Deduct	-1,777.34	
		For Dry Type Unit, Add	15,869.25	
		For Gas Filled Transformers, Add	42,656.21	
26 11 16 11-0086	EA	225 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	78,377.61	1,323.69
		For Single Phase Transformers, Deduct	-1,893.26	
		For Dry Type Unit, Add	16,925.39	
		For Gas Filled Transformers, Add	45,438.14	
26 11 16 11-0087	EA	300 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	82,695.81	1,444.02
		For Single Phase Transformers, Deduct	-1,995.19	
		For Dry Type Unit, Add	17,846.51	
		For Gas Filled Transformers, Add	47,884.66	
26 11 16 11-0088	EA	500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	94,252.24	1,684.69
		For Single Phase Transformers, Deduct	-2,272.07	
		For Dry Type Unit, Add	20,331.17	
		For Gas Filled Transformers, Add	54,529.72	
26 11 16 11-0089	EA	750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	91,228.22	1,925.37
		For Single Phase Transformers, Deduct	-2,184.44	
		For Dry Type Unit, Add	19,608.12	
		For Gas Filled Transformers, Add	52,426.50	
26 11 16 11-0090	EA	1,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	94,819.13	2,286.37
		For Single Phase Transformers, Deduct	-2,256.16	
		For Dry Type Unit, Add	20,311.48	
		For Gas Filled Transformers, Add	54,147.83	
26 11 16 11-0091	EA	1,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	116,979.07	2,527.04
		For Single Phase Transformers, Deduct	-2,798.13	
		For Dry Type Unit, Add	25,128.91	
		For Gas Filled Transformers, Add	67,155.00	
26 11 16 11-0092	EA	2,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	139,172.40	2,647.37
		For Single Phase Transformers, Deduct	-3,346.94	
		For Dry Type Unit, Add	29,982.56	
		For Gas Filled Transformers, Add	80,326.59	

26	26	Electrical
	26 10	Medium-Voltage Electrical Distribution
	26 11	Substations

		MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 11-0093	EA	2,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer				155,824.27	2,767.70
		For Single Phase Transformers, Deduct				-3,757.22	
		For Dry Type Unit, Add				33,617.09	
		For Gas Filled Transformers, Add				90,173.31	
26 11 16 11-0094	EA	3,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer				183,406.80	2,888.04
		For Single Phase Transformers, Deduct				-4,440.77	
		For Dry Type Unit, Add				39,656.37	
		For Gas Filled Transformers, Add				106,578.43	
26 11 16 11-0095	EA	3,750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer				225,604.11	3,008.38
		For Single Phase Transformers, Deduct				-5,489.68	
		For Dry Type Unit, Add				48,910.89	
		For Gas Filled Transformers, Add				131,752.42	

26 12 Medium-Voltage Transformers (26 10)

26 12 13 Liquid-Filled, Medium-Voltage Transformers (26 12)

26 12 13 00-0001 Removal And Relocation Of Transformers (26 12 13)

26 12 13 00-0002	EA	Removal And Relocation Of Up To 37.5 KVA Oil Filled Transformer				1,230.14	
26 12 13 00-0003	EA	Removal And Relocation Of >37.5 To 100 KVA Oil Filled Transformers				2,263.82	

26 12 13 00-0004 Single Phase Oil Filled Distribution Transformers (26 12 13)

Note: Self-protected type, CSP, external secondary breaker handle, external tap changer.

26 12 13 00-0005 Primary 4.16/4.8 KV Ground Y Secondary 120/240 Volt, 4-2.5 Percent

Taps FCBN, Class A, 95 KV BIL. Rated To 5 KVA (26 12 13 00-0004)

26 12 13 00-0006	EA	10 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase				7,716.39	492.81
26 12 13 00-0007	EA	15 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase				9,225.79	616.01
26 12 13 00-0008	EA	25 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase				10,694.24	739.22
26 12 13 00-0009	EA	37.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase				13,886.47	924.02
26 12 13 00-0010	EA	50 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase				16,466.62	1,108.82
26 12 13 00-0011	EA	75 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase				23,184.54	1,293.63
26 12 13 00-0012	EA	100 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase				27,450.88	1,540.03

26 12 13 00-0013 Primary 4.16/4.8 KV Ground Y Secondary 120/240 Volt, 2-2.5 Percent

Taps FCAN And FCBN. Rated To 5 KVA (26 12 13 00-0004)

26 12 13 00-0014	EA	10 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase				7,716.39	492.81
26 12 13 00-0015	EA	15 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase				9,410.61	616.01
26 12 13 00-0016	EA	25 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase				10,694.24	739.22
26 12 13 00-0017	EA	37.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase				13,886.47	924.02
26 12 13 00-0018	EA	50 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase				16,466.62	1,108.82
26 12 13 00-0019	EA	75 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase				21,284.75	1,293.63
26 12 13 00-0020	EA	100 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase				26,486.14	1,540.03

26 12 13 00-0021 Primary 13.8/14.4 KV Ground Y Secondary 120/240V 2-2.5 Percent Taps

FCBN And FCAN (26 12 13 00-0004)

26 12 13 00-0022	EA	10 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase				7,500.76	492.81
26 12 13 00-0023	EA	15 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase				8,640.50	616.01
26 12 13 00-0024	EA	25 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase				10,115.39	739.22
26 12 13 00-0025	EA	37.5 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase				13,752.89	924.02
26 12 13 00-0026	EA	50 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase				15,902.62	1,108.82
26 12 13 00-0027	EA	75 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase				21,640.96	1,293.63
26 12 13 00-0028	EA	100 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase				26,575.19	1,540.03

26 12 13 00-0029 Primary 13.8/14.4 KV Ground Y Secondary 240/480 Volt, 2-2.5 Percent

Taps FCBN And FCAN (26 12 13 00-0004)

26 12 13 00-0030	EA	10 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase				8,501.91	492.81
26 12 13 00-0031	EA	15 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase				9,672.45	616.01
26 12 13 00-0032	EA	25 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase				12,818.90	739.22
26 12 13 00-0033	EA	37.5 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase				16,159.56	924.02
26 12 13 00-0034	EA	50 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase				18,600.53	1,108.82
26 12 13 00-0035	EA	75 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase				25,630.98	1,293.63
26 12 13 00-0036	EA	100 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase				33,016.41	1,540.03

26 12 13 00-0037 Transformer Platforms (26 12 13 00-0004)

26 12 13 00-0038	EA	Transformer Platforms, 75 - 167 KVA.....				5,750.85	832.23
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26 12 13 00-0039 Primary 24.9 KV, Ground Y Secondary 240/480 Volt, 2-2.5 Percent Tops

FCBN Auto FCAN (26 12 13 00-0004)

26 12 13 00-0040	EA	10 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase				9,414.84	492.81
26 12 13 00-0041	EA	15 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase				10,501.37	616.01
26 12 13 00-0042	EA	25 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase				12,820.07	739.22
26 12 13 00-0043	EA	37.5 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase				16,158.11	924.02
26 12 13 00-0044	EA	50 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase				18,723.23	1,170.42
26 12 13 00-0045	EA	75 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase				25,634.60	1,293.63
26 12 13 00-0046	EA	100 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase				33,016.41	1,540.03
26 12 13 00-0047	EA	167 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase				44,240.33	1,971.25

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 13 00-0048	EA	250 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	56,517.14	2,648.87
26 12 13 00-0049	EA	333 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	66,228.84	3,080.07
26 12 13 00-0050	EA	500 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	84,644.26	3,326.47
26 12 13 00-0051 Primary 4.8 KV Ground Y Secondary 120/240V 4-2.5 Percent Taps FCBN, Class A, 95 KV BIL (26 12 13 00-0004)				
26 12 13 00-0052	EA	10 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	7,716.39	603.44
26 12 13 00-0053	EA	15 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	9,225.79	754.25
26 12 13 00-0054	EA	25 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	10,693.73	904.19
26 12 13 00-0055	EA	37.5 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	13,887.67	1,133.09
26 12 13 00-0056	EA	50 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	16,465.48	1,357.32
26 12 13 00-0057	EA	75 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	23,183.00	1,580.82
26 12 13 00-0058	EA	100 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	27,450.88	1,885.74
26 12 13 00-0059 Primary 4.8 KV Ground Y Secondary 120/240V 2-2.5 Percent Taps FCAN And FCBN (26 12 13 00-0004)				
26 12 13 00-0060	EA	10 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	7,716.39	603.44
26 12 13 00-0061	EA	15 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	9,410.61	754.25
26 12 13 00-0062	EA	25 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	10,693.73	904.19
26 12 13 00-0063	EA	37.5 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	13,887.67	1,133.09
26 12 13 00-0064	EA	50 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	16,465.48	1,357.32
26 12 13 00-0065	EA	75 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	21,283.21	1,580.82
26 12 13 00-0066	EA	100 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	26,486.14	1,885.74
26 12 13 00-0067 Primary 7.2 To 14.4 KV Ground Y (26 12 13 00-0004)				
26 12 13 00-0068 Primary 7.2 To 14.4 KV Ground Y Secondary 120 / 240 V 2-2.5 Percent Taps FCBN And FCAN (26 12 13 00-0067)				
26 12 13 00-0069	EA	10 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	6,096.36	492.81
26 12 13 00-0070	EA	15 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	7,238.90	616.01
26 12 13 00-0071	EA	25 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	8,337.74	739.22
26 12 13 00-0072	EA	37.5 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	10,952.01	924.02
26 12 13 00-0073	EA	50 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	13,768.69	1,108.82
26 12 13 00-0074	EA	75 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	22,184.94	1,293.63
26 12 13 00-0075	EA	100 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	25,483.31	1,540.03
26 12 13 00-0076 Primary 7.2 To 14.4 KV Ground Y Secondary 240 / 480 V 2-2.5 Pct Taps FCBN And FCAN (26 12 13 00-0067)				
26 12 13 00-0077	EA	10 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	5,606.29	492.81
26 12 13 00-0078	EA	15 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	6,622.81	616.01
26 12 13 00-0079	EA	25 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	8,057.70	739.22
26 12 13 00-0080	EA	37.5 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	10,391.93	924.02
26 12 13 00-0081	EA	50 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	12,998.58	1,108.82
26 12 13 00-0082	EA	75 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	19,384.53	1,293.63
26 12 13 00-0083	EA	100 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	22,682.91	1,540.03
26 12 16 Dry-Type, Medium-Voltage Transformers (26 12)				
26 12 16 00-0001 Removal and Relocation of Transformers (26 12 16)				
26 12 16 00-0002	EA	Removal And Relocation Of Up To 37.5 KVA "Dry Type" Transformer	499.39	
26 12 16 00-0003	EA	Removal And Relocation Of >37.5 To 112.5 KVA "Dry Type" Transformer.....	2,219.51	
26 12 19 Pad-Mounted, Liquid-Filled, Medium-Voltage Transformers (26 12)				
26 12 19 00-0001 Single Phase Pad Mounted Oil Filled Distribution Transformers (26 12 19)				
Note: Designed for residential and multi-family buildings. UL listed.				
26 12 19 00-0002 Mini Pak - Single Phase KVA 25 Thru 167 - 95 KV BIL.- Oil Filled (26 12 19 00-0001)				
Note: Self actuating pressure relief device, taps, 4-1/2 % below or 2-1/2 % above and below. Designed for loop feed grounded wye distribution system.				
26 12 19 00-0003 Primary, 4.16/4.8 KV Ground Y Or Delta (26 12 19 00-0002)				
Note: 2.4 To 24.94 KV ground Y / 14.4 KV secondary - 240/120 Volt, 480/240 Volt, 277 V. Rated to 5 KVA.				
26 12 19 00-0004	EA	25 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	18,635.06	601.68
26 12 19 00-0005	EA	37.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	20,196.47	722.01
26 12 19 00-0006	EA	50 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	24,096.89	842.35
26 12 19 00-0007	EA	75 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	29,979.07	902.51
26 12 19 00-0008	EA	100 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	34,107.00	962.68
26 12 19 00-0009	EA	167 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	44,629.32	1,263.52
26 12 19 00-0010 Factory Modifications Material Cost Only (26 12 19 00-0002)				
26 12 19 00-0011	EA	Loadbreaker Current Limiting Fuse Factory Modifications.....	4,173.93	
26 12 19 00-0012	EA	Loadbreaker Oil Switch, 2 Position Factory Modifications	4,385.65	

26	26 Electrical
	26 10 Medium-Voltage Electrical Distribution
	26 12 Medium-Voltage Transformers



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
26 12 19 00-0013	EA Loadbreaker Inserts, Factory Modifications	4,824.22			
26 12 19 00-0014	Distribution - Single Phase Multiple Building Transformer (26 12 19 00-0001)				
	Note: KVA 25 to 250, KVA BIL-95, 125, 150 standard features. Oil filled, self-actuating pressure relief device, lighting arrester mounted. Pad HV/LV barrier, etc. with taps 4-1/2 % below or 2-1/2 % above and below.				
26 12 19 00-0015	Primary, 4.16/4.8 KVA Ground Y Or Delta (26 12 19 00-0014)				
	Note: 2.4 To 34.5 KV ground Y / 19.9 KV secondary - 240/120 V, 120/240 V, 240/480 V, 480/240 V, 277V. Rated to 5 KVA.				
26 12 19 00-0016	EA 25 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	23,691.25		601.68	
26 12 19 00-0017	EA 37.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	26,568.84		601.68	
26 12 19 00-0018	EA 50 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	28,458.83		824.30	
26 12 19 00-0019	EA 75 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	35,733.88		824.30	
26 12 19 00-0020	EA 100 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	40,149.02		1,083.02	
26 12 19 00-0021	EA 167 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	48,107.35		1,083.02	
26 12 19 00-0022	EA 250 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	78,270.30		1,504.19	
26 12 19 00-0023	Factory Modifications Material Cost Only (26 12 19 00-0014)				
26 12 19 00-0024	EA Loadbreaker Current Limiting Fuse Factory Modifications	5,565.24			
26 12 19 00-0025	EA Lightning Arrestors, Factory Modifications	1,410.08			
26 12 19 00-0026	EA Loadbreaker Oil Switch, 2 Position Factory Modifications	4,385.65			
26 12 19 00-0027	EA Loop Feed Air Switch, Factory Modifications	7,138.03			
26 12 19 00-0028	EA Loadbreaker Inserts (Two), Factory Modifications	1,905.49			
26 12 19 00-0029	EA Bay-O-Net Fuse 25 Thru 167 KVA Factory Modifications	1,648.40			
26 12 19 00-0030	Primary, 12.47 KV Ground Y Or Delta (26 12 19 00-0014)				
	Note: 7.2 To 34.5 KV ground Y / 19.9 KV secondary - 240/120 V, 120/240 V, 240/480 V, 480/240 V, 277V. Rated to 5 KVA.				
26 12 19 00-0031	EA 25 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	25,742.37		601.68	
26 12 19 00-0032	EA 37.5 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	27,262.08		601.68	
26 12 19 00-0033	EA 50 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	28,190.54		824.30	
26 12 19 00-0034	EA 75 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	34,110.93		824.30	
26 12 19 00-0035	EA 100 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	43,538.85		1,083.02	
26 12 19 00-0036	EA 167 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	54,106.12		1,083.14	
26 12 19 00-0037	EA 250 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	68,717.86		1,504.19	
26 12 19 00-0038	Oil Filled Distribution Transformer Single Phase Cluster Mounted (26 12 19 00-0001)				
	Note: Conventional type.				
26 12 19 00-0039	13.8/14.4 KV Ground Y Or Delta Primary 120/240V (26 12 19 00-0038)				
	Note: 2.5 Taps FCBN and FCAN.				
26 12 19 00-0040	EA 10 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	17,073.22		417.26	
26 12 19 00-0041	EA 37.5 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	21,047.63		586.78	
26 12 19 00-0042	EA 50 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	32,346.33		938.85	
26 12 19 00-0043	EA 100 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	58,588.40		938.85	
26 12 19 00-0044	EA 167 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	80,929.27		1,538.67	
26 12 19 00-0045	EA 250 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	109,246.55		1,538.67	
26 12 19 00-0046	Oil Filled Distribution Transformer Single Phase (26 12 19 00-0001)				
26 12 19 00-0047	7.2 KV Primary, 120/240 Volt Secondary (26 12 19 00-0046)				
26 12 19 00-0048	EA 10 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	16,527.11		443.35	
26 12 19 00-0049	EA 15 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	18,025.93		443.35	
26 12 19 00-0050	EA 25 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	21,310.72		625.90	
26 12 19 00-0051	EA 37.5 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	27,339.88		625.90	
26 12 19 00-0052	EA 50 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	31,469.13		847.57	
26 12 19 00-0053	EA 100 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	57,193.71		1,303.96	
26 12 19 00-0054	EA 167 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	79,837.06		1,303.96	
26 12 19 00-0055	EA 250 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	107,560.62		1,629.95	
26 12 19 00-0056	7.2 KV Primary, 240/480 Volt Secondary (26 12 19 00-0046)				
26 12 19 00-0057	EA 10 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	16,527.11		443.35	
26 12 19 00-0058	EA 15 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	18,026.49		443.35	
26 12 19 00-0059	EA 25 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	21,310.72		625.90	
26 12 19 00-0060	EA 37.5 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	27,339.88		625.90	
26 12 19 00-0061	EA 50 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	31,469.13		847.57	
26 12 19 00-0062	EA 75 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	49,052.53		1,147.48	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 19 00-0063	EA	100 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	57,193.71	1,147.48
26 12 19 00-0064	EA	167 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	79,837.06	1,447.39
26 12 19 00-0065	EA	250 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	107,560.62	1,629.95
26 12 19 00-0066		2.4 KV Primary, 277 Volt Secondary (26 12 19 00-0046)		
26 12 19 00-0067	EA	10 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	18,240.85	443.35
26 12 19 00-0068	EA	15 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	19,893.56	443.35
26 12 19 00-0069	EA	25 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	23,525.00	625.90
26 12 19 00-0070	EA	37.5 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	30,168.54	625.90
26 12 19 00-0071	EA	50 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	34,721.22	847.57
26 12 19 00-0072	EA	75 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	53,983.52	1,147.48
26 12 19 00-0073	EA	100 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	63,182.54	1,147.48
26 12 19 00-0074	EA	167 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	88,242.90	1,447.39
26 12 19 00-0075	EA	250 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	118,955.73	1,629.95
26 12 19 00-0076		2.4 KV Primary, 120/240 Volt Secondary (26 12 19 00-0046)		
26 12 19 00-0077	EA	10 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	16,527.11	443.35
26 12 19 00-0078	EA	15 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	18,025.93	443.35
26 12 19 00-0079	EA	25 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	21,310.72	851.61
26 12 19 00-0080	EA	37.5 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	27,339.88	1,147.48
26 12 19 00-0081	EA	50 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	31,469.13	847.57
26 12 19 00-0082	EA	75 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	48,871.71	1,147.48
26 12 19 00-0083	EA	100 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	57,182.51	1,147.48
26 12 19 00-0084		2.4 KV Primary, 240/480 Volt Secondary (26 12 19 00-0046)		
26 12 19 00-0085	EA	10 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	16,527.11	443.35
26 12 19 00-0086	EA	15 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	18,025.93	443.35
26 12 19 00-0087	EA	25 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	21,310.72	625.90
26 12 19 00-0088	EA	37.5 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	27,339.88	625.90
26 12 19 00-0089	EA	50 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	31,469.13	847.57
26 12 19 00-0090	EA	75 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	48,871.71	1,147.48
26 12 19 00-0091	EA	100 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	57,182.51	1,147.48
26 12 19 00-0092		2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary (26 12 19 00-0046)		
26 12 19 00-0093	EA	10 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	13,863.58	456.39
26 12 19 00-0094	EA	15 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	15,017.74	508.55
26 12 19 00-0095	EA	25 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	18,406.55	560.71
26 12 19 00-0096	EA	37 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	23,237.08	782.38
26 12 19 00-0097	EA	50 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	25,794.78	912.77
26 12 19 00-0098	EA	75 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	36,176.36	1,069.24
26 12 19 00-0099	EA	100 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	43,711.89	1,225.72
26 12 19 00-0100	EA	167 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	69,410.62	1,564.75
26 12 19 00-0101	EA	250 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	97,033.35	1,760.35
26 12 19 00-0102		3 Phase Pad Mounted Oil Filled Distribution Transformers (26 12 19)		
26 12 19 00-0103		Primary 4.16/4.8 KV Ground Y Secondary 120/240 Volt (26 12 19 00-0102)		
		Note: 4-2.5 Percent taps FCBN, Class A, 95 KV BIL.		
26 12 19 00-0104	EA	112.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	28,125.38	1,724.84
26 12 19 00-0105	EA	150 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	35,447.90	1,848.04
26 12 19 00-0106	EA	225 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	47,138.43	2,340.86
26 12 19 00-0107	EA	300 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	61,615.50	2,956.87
26 12 19 00-0108	EA	500 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	91,566.40	3,326.47
26 12 19 00-0109	EA	750 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	114,873.69	4,435.30
26 12 19 00-0110		Pad Mounted Commercial Type Distribution Transformers UL Listed (26 12 19)		
26 12 19 00-0111		Distribution 3 Phase Oil Filled Transformer (26 12 19 00-0110)		
		Note: Designed for loads as shopping centers, institutions, and industrial plants with underground distribution. KVA-75 thru 1000, 3 phase 95 thru 150 KV BIL standard features. With taps 4-1/2 percent below - 2-1/2 percent above and below.		
26 12 19 00-0112		Factory Modifications (26 12 19 00-0111)		
		Note: For use with series 4100 3 phase transformers.		
26 12 19 00-0113	EA	Current Limiting Fuse 95 KV Series 4100, 3 Phase Transformer, Factory Modification	3,183.39	
26 12 19 00-0114	EA	Lightning Arrestors 9-10 KV Series 4100, 3 Phase Transformer, Factory Modification	517.65	
26 12 19 00-0115	EA	Loadbreaker Oil Switch, 2 Position Series 4100, 3 Phase Transformer, Factory Modification	2,070.62	
26 12 19 00-0116	EA	Loop Feed Air Switch Series 4100, 3 Phase Transformer, Factory Modification	5,965.57	
26 12 19 00-0117	EA	Loadbreaker Inserts Series 4100, 3 Phase Transformer, Factory Modification	730.81	
26 12 19 00-0118	EA	Lightning Arrestors, 15 KV Series 4100, 3 Phase Transformer, Factory Modification	578.56	
26 12 19 00-0119		Accessories For Transformer Liquid Containment Area (26 12 19 00-0111)		
		Note: Reinforced concrete curb with 6" slab.		
26 12 19 00-0120	EA	Containment Area For 75 KVA	8,062.68	2,299.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,532.70	
26 12 19 00-0121	EA	Containment Area For 112.5 KVA	8,062.68	2,299.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,532.70	
26 12 19 00-0122	EA	Containment Area For 150 KVA	8,062.68	2,299.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,532.70	

26 Electrical**26 10 Medium-Voltage Electrical Distribution****26 12 Medium-Voltage Transformers**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
26 12 19 00-0123	EA Containment Area For 225 KVA <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,062.68 1,532.70		2,299.01	
26 12 19 00-0124	EA Containment Area For 300 KVA <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,054.44 1,530.23		2,299.01	
26 12 19 00-0125	EA Containment Area For 500 KVA <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,054.44 1,530.23		2,299.01	
26 12 19 00-0126	EA Containment Area For 750 KVA <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,139.70 1,530.23		2,299.01	
26 12 19 00-0127	EA Containment Area For 1,000 KVA <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,375.98 1,530.23		2,299.01	
26 12 19 00-0128 Primary 4.16 / 4.8 KV, Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 95 KV BIL (26 12 19 00-0111)					
Note: Rated to 5 KVA.					
26 12 19 00-0129	EA 45 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	19,002.91		1,444.02	
26 12 19 00-0130	EA 75 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	20,829.92		1,444.02	
26 12 19 00-0131	EA 112.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	22,047.93		1,444.02	
26 12 19 00-0132	EA 150 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	25,701.97		1,444.02	
26 12 19 00-0133	EA 225 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	27,280.63		2,166.03	
26 12 19 00-0134	EA 300 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	28,498.64		2,166.03	
26 12 19 00-0135	EA 500 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	43,114.78		2,166.03	
26 12 19 00-0136	EA 750 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	55,057.96		2,888.04	
26 12 19 00-0137	EA 1,000 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	70,892.10		2,888.04	
26 12 19 00-0138 Primary 4.16 / 4.8 KV, Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 95 BIL (26 12 19 00-0111)					
Note: Rated to 5 KVA.					
26 12 19 00-0139	EA 45 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	19,611.91		1,444.02	
26 12 19 00-0140	EA 75 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	22,047.93		1,444.02	
26 12 19 00-0141	EA 112.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	22,656.94		1,444.02	
26 12 19 00-0142	EA 150 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	23,265.94		1,444.02	
26 12 19 00-0143	EA 225 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	27,280.63		2,166.03	
26 12 19 00-0144	EA 300 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	29,716.66		2,166.03	
26 12 19 00-0145	EA 500 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	43,114.78		2,166.03	
26 12 19 00-0146	EA 750 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	55,666.96		2,888.04	
26 12 19 00-0147	EA 1,000 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	70,892.10		2,888.04	
26 12 19 00-0148 Primary 5 KV Or 15 KV, Secondary 277/480 Volt (26 12 19 00-0110)					
Note: 4-2.5 Percent taps FCAN and FCBN. Pad mounted.					
26 12 19 00-0149	EA 150 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	67,528.75		1,897.33	
26 12 19 00-0150	EA 225 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	73,571.99		2,239.83	
26 12 19 00-0151	EA 300 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	82,355.48		2,737.57	
26 12 19 00-0152	EA 500 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	98,298.15		3,080.07	
26 12 19 00-0153	EA 750 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	121,483.68		3,242.08	
26 12 19 00-0154	EA 1,000 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	145,952.23		4,737.15	
26 12 19 00-0155	EA 1,500 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	172,061.86		5,359.32	
26 12 19 00-0156	EA 2,000 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	215,993.78		6,160.14	
26 12 19 00-0157	EA 2,500 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	239,406.74		6,468.15	
26 12 19 00-0158	EA 3,000 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	252,040.81		7,207.61	
26 12 19 00-0159	EA 3,750 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	290,428.84		7,700.43	
26 12 19 00-0160 Pad Mounted Transformer 15 KV - 480 Volt, Oil Filled (26 12 19 00-0110)					
26 12 19 00-0161	EA 1,500 KVA, 15 KV - 480 Volt, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	124,555.84		5,362.73	
26 12 19 00-0162	EA 2,000 KVA, 15 KV - 480 Volt, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	153,711.50		6,167.18	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 19 00-0163	EA	2,500 KVA, 15 KV - 480 Volt, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer.....	175,313.25	6,491.72
26 12 19 00-0164	EA	3,000 KVA, 15 KV - 480 Volt, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer.....	185,835.62	7,255.49
26 12 19 00-0165	EA	3,750 KVA, 15 KV - 480 Volt, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer.....	209,020.64	7,475.34
26 12 19 00-0166 Silicone Filled Distribution Transformers, 3 Phase (26 12 19 00-0110)				
Note: Primary 5 KV or 15 KV, secondary 277/480 V, 4-2.5 percent taps FCAN and FCBN. Pad mounted.				
26 12 19 00-0167	EA	225 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer.....	117,950.32	2,239.83
26 12 19 00-0168	EA	300 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer.....	126,197.73	2,737.57
26 12 19 00-0169	EA	500 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer.....	148,012.42	3,080.07
26 12 19 00-0170	EA	750 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer.....	180,005.99	3,242.08
26 12 19 00-0171	EA	1,000 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer.....	214,668.12	4,737.15
26 12 19 00-0172	EA	1,500 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer.....	273,898.60	5,359.32
26 12 19 00-0173	EA	2,000 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer.....	333,632.20	6,160.14
26 12 19 00-0174	EA	2,500 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer.....	382,405.55	6,468.15
26 13 Medium-Voltage Switchgear (26 10)				
26 13 16 Medium-Voltage Fusible Interrupter Switchgear (26 13)				
26 13 16 00-0001 "Switchyard", Substation Secondary Distribution Section (26 13 16)				
Note: Medium voltage, metal clad switchgear, 3 phase, 3 wire with ground. Includes breaker element, housing, control switch two lamps - 3 cable terminals.				
26 13 16 00-0002 4.16 Or 4.8 KV Switchgear Sections, With Air Circuit Breaker, Secondary Distribution Section (26 13 16 00-0001)				
26 13 16 00-0003	EA	1,200 Amperes, 75 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	17,399.86	1,356.12
		For Weatherproofing, Add.....	3,637.81	
26 13 16 00-0004	EA	1,200 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	18,297.28	1,356.12
		For Weatherproofing, Add.....	3,835.24	
26 13 16 00-0005	EA	1,200 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	25,036.72	1,727.74
		For Weatherproofing, Add.....	5,279.31	
26 13 16 00-0006	EA	2,000 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	34,314.00	1,727.74
		For Weatherproofing, Add.....	7,291.24	
26 13 16 00-0007	EA	2,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	49,464.54	2,086.34
		For Weatherproofing, Add.....	10,589.64	
26 13 16 00-0008	EA	3,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	44,993.93	2,086.34
		For Weatherproofing, Add.....	9,591.33	
26 13 16 00-0009 7.2 KV Switchgear Sections, With Air Circuit Breaker, Secondary Distribution Section (26 13 16 00-0001)				
26 13 16 00-0010	EA	1,200 Amperes, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	26,234.40	1,564.75
		For Weatherproofing, Add.....	5,561.74	
26 13 16 00-0011	EA	2,000 Amperes, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	32,155.22	1,955.94
		For Weatherproofing, Add.....	6,800.04	
26 13 16 00-0012	EA	3,000 Amperes, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	45,449.99	2,347.13
		For Weatherproofing, Add.....	9,678.73	
26 13 16 00-0013 13.8 KV Switchgear Sections, With Air Circuit Breaker, Secondary Distribution Section (26 13 16 00-0001)				
26 13 16 00-0014	EA	1,200 Amperes, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	25,210.40	1,564.75
		For Weatherproofing, Add.....	5,319.23	
26 13 16 00-0015	EA	1,200 Amperes, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	34,882.79	1,564.75
		For Weatherproofing, Add.....	7,409.64	
26 13 16 00-0016	EA	1,200 Amperes, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	51,245.84	2,086.34
		For Weatherproofing, Add.....	10,966.75	
26 13 16 00-0017	EA	2,000 Amperes, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	31,700.06	2,086.34
		For Weatherproofing, Add.....	6,684.24	
26 13 16 00-0018	EA	2,000 Amperes, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	46,374.33	2,607.92
		For Weatherproofing, Add.....	9,875.19	
26 13 16 00-0019	EA	2,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	65,228.74	2,607.92
		For Weatherproofing, Add.....	13,983.75	
26 13 16 00-0020	EA	3,000 Amperes, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	44,564.79	2,607.92
		For Weatherproofing, Add.....	9,466.19	
26 13 16 00-0021	EA	3,000 Amperes, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	62,134.90	2,607.92
		For Weatherproofing, Add.....	13,294.05	
26 13 16 00-0022	EA	3,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	80,815.39	2,607.92
		For Weatherproofing, Add.....	17,368.23	
26 13 16 00-0023 4.16 Or 4.8 KV Switchgear Section, Without Air Circuit Breaker, Secondary Distribution Section (26 13 16 00-0001)				
26 13 16 00-0024	EA	1,200 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	7,685.82	854.09
		For Weatherproofing, Add.....	1,571.09	

26 Electrical**26 10 Medium-Voltage Electrical Distribution****26 13 Medium-Voltage Switchgear**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 13 16 00-0025	EA	1,200 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	10,118.74	854.09
		<i>For Weatherproofing, Add</i>	2,106.34	
26 13 16 00-0026	EA	2,000 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	10,872.46	1,134.44
		<i>For Weatherproofing, Add</i>	2,233.47	
26 13 16 00-0027	EA	2,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	13,473.12	1,401.75
		<i>For Weatherproofing, Add</i>	2,767.79	
26 13 16 00-0028	EA	3,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	18,397.16	1,401.75
		<i>For Weatherproofing, Add</i>	3,851.08	
26 13 16 00-0029 7.2 KV Switchgear Section, Without Air Circuit Breaker, Secondary Distribution Section (26 13 16 00-0001)				
26 13 16 00-0030	EA	1,200 Amperes, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	9,777.74	1,303.96
		<i>For Weatherproofing, Add</i>	2,014.67	
26 13 16 00-0031	EA	2,000 Amperes, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	12,806.52	1,303.96
		<i>For Weatherproofing, Add</i>	2,642.57	
26 13 16 00-0032	EA	3,000 Amperes, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	19,728.98	1,303.96
		<i>For Weatherproofing, Add</i>	4,127.61	
26 13 16 00-0033 13.8 KV Switchgear Section, Without Air Circuit Breaker, Secondary Distribution Section (26 13 16 00-0001)				
26 13 16 00-0034	EA	1,200 Amperes, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	10,034.99	1,108.37
		<i>For Weatherproofing, Add</i>	2,053.25	
26 13 16 00-0035	EA	1,200 Amperes, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	10,739.11	1,108.37
		<i>For Weatherproofing, Add</i>	2,208.16	
26 13 16 00-0036	EA	1,200 Amperes, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	15,489.33	1,369.16
		<i>For Weatherproofing, Add</i>	3,215.09	
26 13 16 00-0037	EA	2,000 Amperes, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	13,601.34	1,642.99
		<i>For Weatherproofing, Add</i>	2,761.80	
26 13 16 00-0038	EA	2,000 Amperes, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	16,919.42	1,642.99
		<i>For Weatherproofing, Add</i>	3,491.78	
26 13 16 00-0039	EA	2,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	19,439.43	1,916.82
		<i>For Weatherproofing, Add</i>	4,007.42	
26 13 16 00-0040	EA	3,000 Amperes, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	18,017.03	2,190.65
		<i>For Weatherproofing, Add</i>	3,656.42	
26 13 16 00-0041	EA	3,000 Amperes, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	20,290.68	2,190.65
		<i>For Weatherproofing, Add</i>	4,156.62	
26 13 16 00-0042	EA	3,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	25,114.19	2,451.44
		<i>For Weatherproofing, Add</i>	5,179.38	
26 13 16 00-0043 Accessories For Substation Secondary Distribution Sections (26 13 16 00-0001)				
26 13 16 00-0044	EA	1,200 Amperes, Transformer Throat Connection Accessories, Secondary Distribution Section.....	4,742.06	826.32
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	495.80	
26 13 16 00-0045	EA	2,000 Amperes, Transformer Throat Connection Accessories, Secondary Distribution Section.....	5,984.14	916.94
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	550.19	
26 13 16 00-0046	EA	3,000 Amperes, Transformer Throat Connection Accessories, Secondary Distribution Section.....	7,856.29	1,103.14
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	661.91	
26 13 16 00-0047	EA	3-Phase Pothead Termination Accessories, Secondary Distribution Section.....	4,504.30	1,659.02
26 13 16 00-0048	EA	5 KV, 15 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	6,349.34	107.23
26 13 16 00-0049	EA	5 KV, 30 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	8,498.44	107.23
26 13 16 00-0050	EA	5 KV, 75 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	15,606.28	107.23
26 13 16 00-0051	EA	15 KV, 15 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	12,253.48	107.23
26 13 16 00-0052	EA	15 KV, 30 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	13,381.63	107.23
26 13 16 00-0053	EA	15 KV, 75 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	18,234.20	107.23
26 13 16 00-0054	EA	6 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section.....	2,847.49	107.23
26 13 16 00-0055	EA	9 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section.....	3,225.24	107.23
26 13 16 00-0056	EA	15 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section.....	4,926.14	107.23
26 13 16 00-0057	EA	Overcurrent Phase Protection, Time And Instantaneous Device 67.....	3,134.37	107.23
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	64.34	
26 13 16 00-0058	EA	AC Ammeter With Switch.....	1,194.57	107.23
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	64.34	
26 13 16 00-0059	EA	AC Voltmeter With Switch And Potential Transformer.....	1,194.57	107.23
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	64.34	
26 13 16 00-0060	EA	Indicating Watmmeter.....	1,790.80	107.23
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	64.34	
26 13 16 00-0061	EA	Indicating Varmeter.....	2,121.59	107.23
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	64.34	
26 13 16 00-0062	EA	Indicating Watt-hour Meter, 2 Element.....	1,313.00	107.23
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	64.34	
26 13 16 00-0063	EA	Ground Protection, Time Or Instantaneous Device 67N.....	2,787.48	107.23
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	64.34	
26 13 16 00-0064	EA	Differential Generator Protection Single Phase NEMA Device 87.....	6,000.18	107.23
26 13 16 00-0065	EA	Current Transformers 5 And 15 KV Single Secondary.....	793.34	107.23
26 13 16 00-0066	EA	Potential Transformers 5 KV And 15 KV With Primary Fuses.....	3,986.86	107.23

26 13 19 Medium-Voltage Vacuum Interrupter Switchgear (26 13)**26 13 19 00-0001 Vacuum Circuit Breakers 13.8 KV (26 13 19)**

26 13 19 00-0002	EA	1,200 Amperes, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	64,491.28	1,629.95
26 13 19 00-0003	EA	1,200 Amperes, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	71,171.51	2,060.25

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 13 19 00-0004	EA	1,200 Amperes, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	80,783.25	2,060.25
26 13 19 00-0005	EA	2,000 Amperes, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	74,007.56	1,629.95
26 13 19 00-0006	EA	2,000 Amperes, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	83,349.40	1,629.95
26 13 19 00-0007	EA	2,000 Amperes, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	94,984.94	1,916.82
26 13 19 00-0008	EA	3,000 Amperes, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	97,907.78	2,190.65
26 13 19 00-0009	EA	3,000 Amperes, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	107,297.06	2,190.65
26 13 19 00-0010	EA	3,000 Amperes, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	117,209.13	2,464.49

26 13 29 Medium-Voltage Compartmentalized Switchgear (26 13)

26 13 29 00-0001 Substation Secondary Distribution Section (26 13 29)

Note: Low voltage drawout switchgear 277/480 volt, 3 phase 4 wire.

26 13 29 00-0002 Switchgear Compartment Complete With Air Circuit Breaker (26 13 29 00-0001)

Note: With solid state long - time and instantaneous trips.

26 13 29 00-0003	EA	800 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-206.....	20,491.99	1,051.41
26 13 29 00-0004	EA	1,600 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-416.....	32,191.54	1,589.64
26 13 29 00-0005	EA	2,000 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-420.....	43,570.91	1,952.62
26 13 29 00-0006	EA	3,200 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-632.....	72,832.21	2,265.54
26 13 29 00-0007	EA	4,000 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-840.....	93,742.25	2,578.46

26 13 29 00-0008 Switchgear Compartment Without Circuit Breaker (26 13 29 00-0001)

26 13 29 00-0009	EA	800 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	9,063.12	319.18
26 13 29 00-0010	EA	1,600 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	10,472.80	319.18
26 13 29 00-0011	EA	2,000 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	13,703.10	469.38
26 13 29 00-0012	EA	3,200 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	19,662.81	469.38
26 13 29 00-0013	EA	4,000 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	32,906.79	688.42

26 13 29 00-0014 Switchgear Compartment, Blank, Use As Filler Or Metering (26 13 29 00-0001)

Note: No provisions for future breaker.

26 13 29 00-0015	EA	600 To 2,000 Amperes, Blank Section Filler, Secondary Distribution Section.....	8,131.28	356.73
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add			203.98	
26 13 29 00-0016	EA	3,000 Amperes, Blank Section Filler, Secondary Distribution Section.....	10,229.10	356.73
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add			239.45	
26 13 29 00-0017	EA	4,000 Amperes, Blank Section Filler, Secondary Distribution Section.....	13,241.86	550.74
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add			344.21	

26 13 29 00-0018 Accessories For Substation Secondary Distribution (26 13 29 00-0001)

26 13 29 00-0019	EA	Short Time Delay Accessories, Secondary Distribution Section.....	4,568.28	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add			64.34	
26 13 29 00-0020	EA	Key Interlock Accessories, Secondary Distribution Section.....	3,522.58	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add			64.34	
26 13 29 00-0021	EA	Ammeter And Switch Complete Accessories, Secondary Distribution Section.....	11,473.89	107.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add			64.34	
26 13 29 00-0022	EA	Voltmeter And Switch Complete Accessories, Secondary Distribution Section.....	11,473.89	107.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add			64.34	
26 13 29 00-0023	EA	Wattmeter - Complete Accessories, Secondary Distribution Section.....	15,222.66	107.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add			64.34	
26 13 29 00-0024	EA	Watt-hour Meter - Complete Accessories, Secondary Distribution Section.....	19,760.63	107.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add			64.34	
26 13 29 00-0025	EA	Circuit Breaker Lifting Device Accessories, Secondary Distribution Section.....	8,458.92	122.30
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add			73.36	
26 13 29 00-0026	EA	Weatherproofing, Per Vertical Section Accessories, Secondary Distribution Section.....	23,839.60	1,811.28
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add			1,086.78	
26 13 29 00-0027	EA	Current Transformer, Single Section 5 To 800 Single Secondary 5 To 800.....	5,120.73	107.23
26 13 29 00-0028	EA	Potential Transformers Each With Fuses Accessories, Secondary Distribution Section.....	6,039.29	107.23
26 13 29 00-0029	EA	Shunt Trip And Auxiliary Switch Accessories, Secondary Distribution Section.....	3,231.20	53.61
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add			32.17	
26 13 29 00-0030	EA	3 Current Limiting Fuses 15 KV Accessories, Secondary Distribution Section.....	24,857.63	107.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add			64.34	
26 13 29 00-0031	EA	3 Phase Surge Capacitors 15 KV Accessories, Secondary Distribution Section.....	3,073.35	53.61

26 18 Medium-Voltage Circuit Protection Devices (26 10)

26 18 36 Medium-Voltage Enclosed Fuses (26 18)

26 18 36 00-0001 Sectionalizing Switch (26 18 36)

26 18 36 00-0002 Pad Mounted Metal Enclosed Oil Filled Switching Units (26 18 36 00-0001)

Note: 15 KV - 25 KV.

26 18 36 00-0003 Sectionalizing Tapping And Fusing Underground Feeders (26 18 36 00-0002)

Note: 200 Amp replaceable bushing wells recessed locking assembly oil level and oil fill plugs.

26 18 36 00-0004	EA	3 Phase, 1 Switch Up And 2 Switch Downstream Tapping And Fusing Underground.....	75,533.24	902.51
26 18 36 00-0005	EA	3 Phase, 2 Switch Up And 2 Switch Downstream Tapping And Fusing Underground.....	84,985.20	902.51

26 19 High-Voltage Circuit Protection (26 10)

26 19 18 Protection Devices (26 19)

26 19 18 00-0001 Primary Fuse Cutouts (26 19 18)

Note: Interrupting rating RMS, amperes - 25,000 symmetric and 40,000 asymmetric.

26 Electrical**26 10 Medium-Voltage Electrical Distribution****26 19 High-Voltage Circuit Protection**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 19 18 00-0002	Non-Loadbreak Current Limiting Primary Fuse Cutouts (26 19 18 00-0001)			
	Note: Includes the fuse and cutout switch.			
26 19 18 00-0003	8.3 KV-95 KV-BIL Non-Loadbreak Current Limiting (26 19 18 00-0002)			
26 19 18 00-0004	EA	15 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	749.67	325.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	156.47	
26 19 18 00-0005	EA	25 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	880.07	325.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	195.59	
26 19 18 00-0006	EA	40 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	1,010.02	325.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	234.58	
26 19 18 00-0007	EA	100 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	1,031.75	325.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	234.72	
26 19 18 00-0008	EA	200 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	1,031.75	325.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	234.72	
26 19 18 00-0009	17.1 KV-95 KV-BIL Non-Loadbreak Current Limiting (26 19 18 00-0002)			
26 19 18 00-0010	EA	15 A Primary Fuse Cutout 17.1 KV - 95 KV Non-Loadbreak Current Limiting	749.67	260.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	156.47	
26 19 18 00-0011	17.1 KV-125 KV-BIL Non-Loadbreak Current Limiting (26 19 18 00-0002)			
26 19 18 00-0012	EA	15 A Primary Fuse Cutout 17.1 KV - 125 KV Non-Loadbreak Current Limiting	778.44	260.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	156.47	
26 19 18 00-0013	Fuseholders (26 19 18 00-0002)			
	Note: Including current limiting fuse.			
26 19 18 00-0014	EA	15 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	628.43	325.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	156.47	
26 19 18 00-0015	EA	25 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	758.83	325.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	195.59	
26 19 18 00-0016	EA	40 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	888.78	325.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	234.58	
26 19 18 00-0017	EA	100 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	638.39	325.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	156.47	
26 19 18 00-0018	EA	200 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	768.79	325.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	195.59	
26 19 18 00-0019	EA	15 A 17.1 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	628.43	260.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	156.47	
26 19 18 00-0020	Accessories (26 19 18 00-0002)			
26 19 18 00-0021	EA	Hot Line Clamp	94.88	29.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.56	
26 19 18 00-0022	EA	Stirrup	104.01	29.34
26 19 18 00-0023	Loadbreak Current Limiting Primary Fuse Cutouts (26 19 18 00-0001)			
	Note: Includes fuse, cutout switch, crossarm mounting bracket and fuse holder.			
26 19 18 00-0024	8.3 KV-95 KV BIL Loadbreak Current Limiting (26 19 18 00-0023)			
26 19 18 00-0025	EA	15 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting	973.65	325.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	156.47	
26 19 18 00-0026	EA	25 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting	1,104.05	325.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	195.59	
26 19 18 00-0027	EA	40 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting	1,234.00	325.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	234.58	
26 19 18 00-0028	EA	100 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting	1,276.61	325.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	234.72	
26 19 18 00-0029	EA	200 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting	1,276.61	325.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	234.72	
26 19 18 00-0030	17.1 KV-95 KV BIL Loadbreak Current Limiting (26 19 18 00-0023)			
26 19 18 00-0031	EA	15 A Primary Fuse Cutout 17.1 KV - 95 KV Loadbreak Current Limiting	973.65	260.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	156.47	
26 19 18 00-0032	17.1 KV-125 KV BIL Loadbreak Current Limiting (26 19 18 00-0023)			
26 19 18 00-0033	EA	15 A Primary Fuse Cutout 17.1 KV - 125 KV Loadbreak Current Limiting	973.65	260.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	156.47	
26 19 18 00-0034	Fuseholders (26 19 18 00-0023)			
	Note: Includes current limiting fuses.			
26 19 18 00-0035	EA	15 Amperes, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting	638.71	325.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	156.47	
26 19 18 00-0036	EA	25 Amperes, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting	769.11	325.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	195.59	
26 19 18 00-0037	EA	40 Amperes, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting	899.06	325.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	234.58	
26 19 18 00-0038	EA	15 Amperes, 17.1 KV Primary Fuseholder With Fuse Loadbreak Current Limiting	638.71	325.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	156.47	

26 19 18 00-0039	Pole Mounted Capacitors (26 19 18 00-0023)		
26 19 18 00-0040	EA Capacitors - Pole Mounted 6 KVAR.....	1,802.39	262.88

26 19 80 Transmission and Distribution Accessories (26 19)

26 19 80 60 Structure Assemblies (26 19 80)

26 19 80 60-0001 Pole Structure Assemblies (26 19 80 60)

26 19 80 60-0002 5 KV Pole Structure Assemblies (26 19 80 60-0001)

Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.			
26 19 80 60-0003	EA Type OH-1, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	537.27	247.75
26 19 80 60-0004	EA Type OH-2, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	897.26	417.26
26 19 80 60-0005	EA Type OH-3, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,054.43	325.99
26 19 80 60-0006	EA Type OH-4, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	607.50	169.52
26 19 80 60-0007	EA Type OH-5, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	765.71	234.72
26 19 80 60-0008	EA Type OH-6, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,325.94	469.42
26 19 80 60-0009	EA Type OH-7, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,044.40	352.07
26 19 80 60-0010	EA Type OH-8, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,893.11	704.14
26 19 80 60-0011	EA Type OH-9, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,154.01	795.41
26 19 80 60-0012	EA Type OH-10, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,184.82	391.19
26 19 80 60-0013	EA Type OH-11, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	987.67	417.26
26 19 80 60-0014	EA Type OH-12, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,840.64	847.57
26 19 80 60-0015	EA Type OH-13, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,432.89	508.55
26 19 80 60-0016	EA Type OH-14, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	884.71	365.11
26 19 80 60-0017	EA Type OH-15, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,648.82	743.25
26 19 80 60-0018	EA Type OH-16, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,325.39	378.15

26 19 80 60-0019 15 KV Pole Structure Assemblies (26 19 80 60-0001)

Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.			
26 19 80 60-0020	EA Type OH-1, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	566.04	247.75
26 19 80 60-0021	EA Type OH-2, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	938.35	417.26
26 19 80 60-0022	EA Type OH-3, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,194.16	325.99
26 19 80 60-0023	EA Type OH-4, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	656.81	169.52
26 19 80 60-0024	EA Type OH-5, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	835.58	221.67
26 19 80 60-0025	EA Type OH-6, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,465.67	469.42
26 19 80 60-0026	EA Type OH-7, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,147.15	352.07
26 19 80 60-0027	EA Type OH-8, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,102.71	704.14
26 19 80 60-0028	EA Type OH-9, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,437.58	795.41
26 19 80 60-0029	EA Type OH-10, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,324.55	391.19
26 19 80 60-0030	EA Type OH-11, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,041.10	417.26
26 19 80 60-0031	EA Type OH-12, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,894.07	847.57
26 19 80 60-0032	EA Type OH-13, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,539.74	508.55
26 19 80 60-0033	EA Type OH-14, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	938.14	352.07
26 19 80 60-0034	EA Type OH-15, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,702.25	743.25
26 19 80 60-0035	EA Type OH-16, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,432.24	456.39

26 19 80 60-0036 25 KV Pole Structure Assemblies (26 19 80 60-0001)

Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.			
26 19 80 60-0037	EA Type OH-3, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,813.61	391.19
26 19 80 60-0038	EA Type OH-4, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,120.43	195.59
26 19 80 60-0039	EA Type OH-5, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,622.57	299.91
26 19 80 60-0040	EA Type OH-6, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,083.13	612.86
26 19 80 60-0041	EA Type OH-7, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,017.14	456.39
26 19 80 60-0042	EA Type OH-8, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	3,213.96	899.73
26 19 80 60-0043	EA Type OH-9, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	3,029.42	1,017.08
26 19 80 60-0044	EA Type OH-13, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,148.88	593.30
26 19 80 60-0045	EA Type OH-16, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,861.30	593.30

26 19 80 60-0046 50 KV Pole Structure Assemblies (26 19 80 60-0001)

Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.			
26 19 80 60-0047	EA Type OH-3, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,436.25	534.62
26 19 80 60-0048	EA Type OH-4, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,330.67	273.83
26 19 80 60-0049	EA Type OH-5, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,662.49	430.31
26 19 80 60-0050	EA Type OH-6, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	3,111.27	873.65
26 19 80 60-0051	EA Type OH-7, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,388.94	651.98
26 19 80 60-0052	EA Type OH-8, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	4,576.50	1,303.96
26 19 80 60-0053	EA Type OH-9, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	5,437.52	1,447.39
26 19 80 60-0054	EA Type OH-10, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,780.82	704.14
26 19 80 60-0055	EA Type OH-13, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,776.57	814.97
26 19 80 60-0056	EA Type OH-16, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,680.69	769.34

26 19 80 60-0057 Overhead To Underground Conversion Structures (26 19 80 60)

Note: Includes insulator with pin, bolts, washers, crossarms, fused cut out, arrestors, ground rods, clamps, conduit, molding, cable termination and neutral wire brackets. Excludes pole.

26 19 80 60-0058 5 KV Structures (26 19 80 60-0057)

Note: Excludes pole.			
26 19 80 60-0059	EA (3 Wire Dead End), 5 KV, Overhead To Underground Conversion Structures, Without Poles.....	5,651.46	2,607.92
26 19 80 60-0060	EA (3 Wire Tangent), 5 KV, Overhead To Underground Conversion Structures, Without Poles.....	5,651.46	2,607.92
26 19 80 60-0061	EA (4 Wire Tangent), 5 KV, Overhead To Underground Conversion Structures, Without Poles.....	5,651.46	2,607.92

26	26 Electrical
	26 10 Medium-Voltage Electrical Distribution
	26 19 High-Voltage Circuit Protection



MINOR		TOTAL DIRECT		DEMOLITION	
CSI UOM DESCRIPTION		UNIT COST		UNIT COST	
26 19 80 60-0062	EA (4 Wire Dead End), 5 KV, Overhead To Underground Conversion Structures, Without Poles	5,651.46		2,607.92	
26 19 80 60-0063	15 KV Structures (26 19 80 60-0057) Note: Excludes pole.				
26 19 80 60-0064	EA (3 Wire Dead End), 15 KV, Overhead To Underground Conversion Structures, Without Poles	5,844.83		2,607.92	
26 19 80 60-0065	EA (3 Wire Tangent), 15 KV, Overhead To Underground Conversion Structures, Without Poles	5,844.83		2,607.92	
26 19 80 60-0066	EA (4 Wire Tangent), 15 KV, Overhead To Underground Conversion Structures, Without Poles	5,844.83		2,607.92	
26 19 80 60-0067	EA (4 Wire Dead End), 15 KV, Overhead To Underground Conversion Structures, Without Poles	5,844.83		2,607.92	
26 19 80 60-0068	25 KV Structures (26 19 80 60-0057) Note: Excludes pole.				
26 19 80 60-0069	EA (3 Wire Dead End), 25 KV, Overhead To Underground Conversion Structures, Without Poles	6,055.79		2,607.92	
26 19 80 60-0070	EA (3 Wire Tangent), 25 KV, Overhead To Underground Conversion Structures, Without Poles	6,055.79		2,607.92	
26 19 80 60-0071	EA (4 Wire Tangent), 25 KV, Overhead To Underground Conversion Structures, Without Poles	6,055.79		2,607.92	
26 19 80 60-0072	EA (4 Wire Dead End), 25 KV, Overhead To Underground Conversion Structures, Without Poles	6,055.79		2,607.92	
26 19 80 60-0073	Transformer Stations (26 19 80 60) Note: Includes insulator with pin, bolts, washers, crossarms, fused cut out, arrestors, ground rods, clamps, conduit, molding, cable termination, neutral wire brackets and transformer mounting bracket(s). Excludes pole and transformer.				
26 19 80 60-0074	5 KV Station (26 19 80 60-0073)				
26 19 80 60-0075	EA (Single Transformer, 1 Phase, 4 Wire Tangent), 5 KV Transformer Station Without Pole	9,054.36		3,476.35	
26 19 80 60-0076	EA (Double Transformer, 1 Phase, 3 Wire Tangent), 5 KV Transformer Station Without Pole	10,147.25		3,911.88	
26 19 80 60-0077	EA (Triple Transformer, 3 Phase, 4 Wire Tangent), 5 KV Transformer Station Without Pole	11,240.14		4,346.09	
26 19 80 60-0078	EA (Triple Transformer, 3 Phase, 4 Wire Dead End), 5 KV Transformer Station Without Pole	11,240.14		4,346.09	
26 19 80 60-0079	EA (Single Transformer, 1 Phase, 2 Wire Tangent), 5 KV Transformer Station Without Pole	9,054.36		3,476.35	
26 19 80 60-0080	15 KV Stations (26 19 80 60-0073)				
26 19 80 60-0081	EA (Single Transformer, 1 Phase, 4 Wire Tangent), 15 KV Transformer Station Without Pole	9,339.65		3,475.36	
26 19 80 60-0082	EA (Double Transformer, 1 Phase, 3 Wire Tangent), 15 KV Transformer Station Without Pole	10,432.55		3,911.88	
26 19 80 60-0083	EA (Triple Transformer, 3 Phase, 4 Wire Tangent), 15 KV Transformer Station Without Pole	11,525.44		4,346.09	
26 19 80 60-0084	EA (Triple Transformer, 3 Phase, 4 Wire Dead End), 15 KV Transformer Station Without Pole	11,525.44		4,346.09	
26 19 80 60-0085	EA (Single Transformer, 1 Phase, 2 Wire Tangent), 15 KV Transformer Station Without Pole	9,339.65		3,475.36	
26 19 80 60-0086	25 KV Stations (26 19 80 60-0073)				
26 19 80 60-0087	EA (Single Transformer, 1 Phase, 4 Wire Tangent), 25 KV Transformer Station Without Pole	9,650.89		3,476.35	
26 19 80 60-0088	EA (Double Transformer, 1 Phase, 3 Wire Tangent), 25 KV Transformer Station Without Pole	10,743.78		3,911.88	
26 19 80 60-0089	EA (Triple Transformer, 3 Phase, 4 Wire Tangent), 25 KV Transformer Station Without Pole	11,836.67		4,346.09	
26 19 80 60-0090	EA (Triple Transformer, 3 Phase, 4 Wire Dead End), 25 KV Transformer Station Without Pole	11,836.67		4,346.09	
26 19 80 60-0091	EA (Single Transformer, 1 Phase, 2 Wire Tangent), 25 KV Transformer Station Without Pole	9,650.89		3,476.35	

26 20 Low-Voltage Electrical Distribution (26)

26 21 Low-Voltage Electrical Service Entrance (26 20)

See CSI section 26 05 13 00-0000 for wire and cables.

26 21 13 Low-Voltage Overhead Electrical Service Entrance (26 21)

26 21 13 00-0001	Service Drop Cable And Weatherheads (26 21 13)		
26 21 13 00-0002	600 Volt Insulated Stranded Conductors (26 21 13 00-0001)		
26 21 13 00-0003	Aluminum Duplex ACSR Neutral (26 21 13 00-0002)		
26 21 13 00-0004	LF #6 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable	8.68	3.11
26 21 13 00-0005	LF #4 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable	10.58	3.68
26 21 13 00-0006	LF #2 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable	12.79	4.14
26 21 13 00-0007	LF 1/0 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable	17.55	5.21
26 21 13 00-0008	Aluminum Triplex ACSR Neutral (26 21 13 00-0002)		
26 21 13 00-0009	LF #6 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	10.79	3.68
26 21 13 00-0010	LF #4 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	12.51	4.14
26 21 13 00-0011	LF #2 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	15.95	5.21
26 21 13 00-0012	LF 1/0 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	20.32	6.36
26 21 13 00-0013	LF 2/0 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	26.31	8.41
26 21 13 00-0014	LF 4/0 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	34.08	10.43
26 21 13 00-0015	LF 336 MCM, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	48.09	12.41
26 21 13 00-0016	Aluminum Quadruplex ACSR Neutral (26 21 13 00-0002)		
26 21 13 00-0017	LF #6 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	12.56	4.14
26 21 13 00-0018	LF #4 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	15.94	5.21
26 21 13 00-0019	LF #2 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	20.68	6.69
26 21 13 00-0020	LF 1/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	27.58	8.41
26 21 13 00-0021	LF 2/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	30.80	9.32
26 21 13 00-0022	LF 3/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	36.19	10.43
26 21 13 00-0023	LF 4/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	42.32	12.41
26 21 13 00-0024	LF 336 MCM, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	55.89	13.72

Cal Poly Humboldt.		Electrical		26	26
		Low-Voltage Electrical Distribution		26 20	
		Low-Voltage Electrical Service Entrance		26 21	
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT		DEMOLITION	
		UNIT COST		UNIT COST	
26 21 13 00-0025	Weatherproof Conduit Hubs (26 21 13 00-0002)				
26 21 13 00-0026	EA 1/2" Weatherproof Conduit Hubs	54.18		20.66	
26 21 13 00-0027	EA 3/4" Weatherproof Conduit Hubs	61.78		23.47	
26 21 13 00-0028	EA 1" Weatherproof Conduit Hubs	71.56		26.29	
26 21 13 00-0029	EA 1-1/4" Weatherproof Conduit Hubs	99.49		35.21	
26 21 13 00-0030	EA 1-1/2" Weatherproof Conduit Hubs	109.26		38.03	
26 21 13 00-0031	EA 2" Weatherproof Conduit Hubs	140.09		44.13	
26 21 13 00-0032	EA 2-1/2" Weatherproof Conduit Hubs	182.21		49.76	
26 21 13 00-0033	EA 3" Weatherproof Conduit Hubs	234.10		58.68	
26 21 13 00-0034	EA 4" Weatherproof Conduit Hubs	417.54		117.37	
26 21 13 00-0035	Service Entrance Cap, Threaded Weatherhead, Galvanized (26 21 13 00-0002)				
26 21 13 00-0036	EA 1/2" Galvanized Threaded Service Entrance Weatherhead Cap For #14 Through #10 AWG Cable Service	60.71		20.66	
26 21 13 00-0037	EA 3/4" Galvanized Threaded Service Entrance Weatherhead Cap For #12 Through #8 AWG Cable Service	69.60		23.47	
26 21 13 00-0038	EA 1" Galvanized Threaded Service Entrance Weatherhead Cap For #6 AWG Cable Service	79.68		26.29	
26 21 13 00-0039	EA 1-1/4" Galvanized Threaded Service Entrance Weatherhead Cap For #4 Through #2 AWG Cable Service	107.06		35.21	
26 21 13 00-0040	EA 1-1/2" Galvanized Threaded Service Entrance Weatherhead Cap For #4 Through #2 AWG Cable Service	120.99		38.03	
26 21 13 00-0041	EA 2" Galvanized Threaded Service Entrance Weatherhead Cap For 1/0 Through 2/0 AWG Cable Service	158.75		44.13	
26 21 13 00-0042	EA 2-1/2" Galvanized Threaded Service Entrance Weatherhead Cap For 3/0 Through 4/0 Cable Service	266.12		49.76	
26 21 13 00-0043	EA 3" Galvanized Threaded Service Entrance Weatherhead Cap For 250 Through 350 MCM Cable Service	303.03		58.68	
26 21 13 00-0044	EA 4" Galvanized Threaded Service Entrance Weatherhead Cap For 600 Through 750 MCM Cable Service	499.05		117.37	
26 21 13 00-0045	Service Entrance Cap, Clamp-On Weatherhead, Aluminum (26 21 13 00-0002)				
26 21 13 00-0046	EA 1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For #14 To #12 AWG Cable Service	58.73		20.66	
26 21 13 00-0047	EA 3/4" Aluminum Clamp-On Service Entrance Weatherhead Cap For #10 To #8 AWG Cable Service	66.28		23.47	
26 21 13 00-0048	EA 1" Aluminum Clamp-On Service Entrance Weatherhead Cap For #6 AWG Cable Service	75.18		26.17	
26 21 13 00-0049	EA 1-1/4" Aluminum Clamp-On Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service	99.95		35.21	
26 21 13 00-0050	EA 1-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service	111.39		38.03	
26 21 13 00-0051	EA 2" Aluminum Clamp-On Service Entrance Weatherhead Cap For 1/0 To 2/0 AWG Cable Service	131.31		44.13	
26 21 13 00-0052	EA 2-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For 3/0 To 4/0 Cable Service	214.66		49.76	
26 21 13 00-0053	EA 3" Aluminum Clamp-On Service Entrance Weatherhead Cap For 250 To 350 MCM Cable Service	277.14		58.68	
26 21 13 00-0054	EA 3-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For 400 To 500 MCM Cable Service	390.39		88.03	
26 21 13 00-0055	EA 4" Aluminum Clamp-On Service Entrance Weatherhead Cap For 600 To 750 MCM Cable Service	468.25		117.37	
26 21 13 00-0056	Service Entrance Cap, Threaded Weatherhead, Polyvinyl Chloride (PVC) (26 21 13 00-0002)				
26 21 13 00-0057	EA 1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #14 To #12 AWG Cable Service	56.84		20.66	
26 21 13 00-0058	EA 3/4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #10 To #8 AWG Cable Service	65.05		23.47	
26 21 13 00-0059	EA 1" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #6 AWG Cable Service	73.93		26.17	
26 21 13 00-0060	EA 1-1/4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service	98.46		35.21	
26 21 13 00-0061	EA 1-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service	107.27		38.03	
26 21 13 00-0062	EA 2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 1/0 To 2/0 AWG Cable Service	131.90		44.13	
26 21 13 00-0063	EA 2-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 3/0 To 4/0 Cable Service	223.71		49.76	
26 21 13 00-0064	EA 3" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 250 To 350 MCM Cable Service	250.30		58.68	
26 21 13 00-0065	EA 3-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 400 To 500 MCM Cable Service	431.81		88.03	
26 21 13 00-0066	EA 4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 600 To 750 MCM Cable Service	598.67		117.37	
26 21 16	Low-Voltage Underground Electrical Service Entrance (26 21)				
26 21 16 00-0001	Aluminum Triplex For Underground Service, Direct Burial (26 21 16)				
Note: Excludes excavation and backfill.					
26 21 16 00-0002	MLF #6 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	4,822.71		1,159.09	
26 21 16 00-0003	MLF #4 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	5,626.74		1,227.29	
26 21 16 00-0004	MLF #2 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	6,807.91		1,303.96	
26 21 16 00-0005	MLF 1/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	8,328.28		1,303.96	
26 21 16 00-0006	MLF 2/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	9,335.46		1,390.94	
26 21 16 00-0007	MLF 3/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	11,142.16		1,604.91	
26 21 16 00-0008	MLF 4/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	13,530.11		2,086.34	
26 22	Low-Voltage Transformers (26 20)				
26 22 13	Low-Voltage Distribution Transformers (26 22)				
26 22 13 00-0001	Single Phase General Purpose "Dry Type" Transformers (26 22 13)				
Note: 60 HZ type EP and EPT 115 C rise, 185 C insulation, type DT-3 and DS-3 150 C rise, 220 C insulation. Indoor Use. Wall mounted for up to 10 KVA, floor mounted for 15 KVA and larger. DT-3 and DS-3 use weathershields for outdoor placement. UL listed.					
26 22 13 00-0002	480 Volt, 120/240 Volt, General Purpose Dry Type Transformers (26 22 13 00-0001)				
Note: 2-2.5 Percent taps above and 4-2.5 percent taps below.					
26 22 13 00-0003	EA 1 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	1,604.41		301.99	
26 22 13 00-0004	EA 3 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	2,247.82		362.39	
26 22 13 00-0005	EA 5 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	2,933.07		378.09	
26 22 13 00-0006	EA 7.5 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	3,624.57		392.59	
26 22 13 00-0007	EA 10 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	5,296.23		422.79	
26 22 13 00-0008	EA 15 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	6,369.56		452.99	
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add					
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add					
273.18					
409.77					

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 22 Low-Voltage Transformers**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
26 22 13 00-0009	EA 25 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	6,996.78		483.19	
		301.52			
		452.28			
26 22 13 00-0010	EA 37.5 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	6,708.73		543.58	
		281.08			
		421.62			
26 22 13 00-0011	EA 50 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	8,048.36		603.98	
		342.02			
		513.03			
26 22 13 00-0012	EA 75 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	10,721.80		724.79	
		463.61			
		695.42			
26 22 13 00-0013	EA 100 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	13,683.41		845.59	
		599.61			
		899.42			
26 22 13 00-0014	EA 167 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	22,065.76		1,087.18	
		994.57			
		1,491.86			
26 22 13 00-0015	EA 250 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	40,393.48		1,328.77	
		1,886.80			
		2,830.19			
26 22 13 00-0016	EA 333 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	63,901.27		1,509.97	
		3,044.07			
		4,566.10			
26 22 13 00-0017	240 x 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers (26 22 13 00-0001) Note: 1-10 Percent x 2-5 percent FCBN taps.				
26 22 13 00-0018	EA 3 KVA, 240 x 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	1,782.24		362.39	
26 22 13 00-0019	EA 5 KVA, 240 x 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	2,187.01		377.49	
26 22 13 00-0020	EA 7.5 KVA, 240 x 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	2,790.60		392.59	
26 22 13 00-0021	EA 10 KVA, 240 x 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	3,335.11		422.79	
26 22 13 00-0022	240 x 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers (26 22 13 00-0001) Note: 2-5 Percent x 4 - 2.5 percent FCBN taps.				
26 22 13 00-0023	EA 15 KVA, 240 x 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	6,642.73		452.99	
26 22 13 00-0024	EA 25 KVA, 240 x 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	7,298.30		483.19	
26 22 13 00-0025	208 x 230 Volt, 120 Volt, General Purpose Dry Type Transformers (26 22 13 00-0001) Note: 1-10 Percent x 2-5 percent FCBN taps.				
26 22 13 00-0026	EA 0.5 KVA, 208/230 Volt - 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	1,313.36		271.79	
26 22 13 00-0027	EA 1 KVA, 208/230 Volt - 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	1,499.09		301.99	
26 22 13 00-0028	EA 2 KVA, 208/230 Volt - 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	2,002.46		332.19	
26 22 13 00-0029	EA 3 KVA, 208/230 Volt - 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	2,339.80		362.39	
26 22 13 00-0030	EA 5 KVA, 208/230 Volt - 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	2,654.06		378.09	
26 22 13 00-0031	EA 7.5 KVA, 208/230 Volt - 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	3,077.61		392.59	
26 22 13 00-0032	EA 10 KVA, 208/230 Volt - 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	4,045.18		422.79	
26 22 13 00-0033	EA 15 KVA, 208/230 Volt - 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	5,657.92		452.99	
26 22 13 00-0034	1 Phase Mounting Brackets (26 22 13 00-0001)				
26 22 13 00-0035	EA 1 Phase Mounting Brackets (Set Of 2) For Transformers Up To 100 KVA	602.78		214.46	
26 22 13 00-0036	1 Phase Weathershields (26 22 13 00-0001) Note: Use with types DT-3 and DS-3.				
26 22 13 00-0037	EA 37.5 KVA 1 Phase Weathershields, Set Of 2	196.81			
26 22 13 00-0038	EA 50 KVA 1 Phase Weathershields, Set Of 2	250.87			
26 22 13 00-0039	EA 75 KVA 1 Phase Weathershields, Set Of 2	299.16			
26 22 13 00-0040	EA 100 KVA 1 Phase Weathershields, Set Of 2	356.89			
26 22 13 00-0041	EA 167 KVA 1 Phase Weathershields, Set Of 2	482.85			
26 22 13 00-0042	EA 250 KVA 1 Phase Weathershields, Set Of 2	577.32			
26 22 13 00-0043	EA 333 KVA 1 Phase Weathershields, Set Of 2	708.53			
26 22 13 00-0044	Packaged Power Supply (26 22 13 00-0001) Note: 2-5 Percent FCBN taps.				
26 22 13 00-0045	EA 5 KVA, 480 Volt - 120/240 Volt, Transformer With 6 - 1 Pole / 3 - 2 Pole Max 20 Amperes Breakers	3,648.48		377.49	
26 22 13 00-0046	EA 7.5 KVA, 480 Volt - 120/240 Volt, Transformer With 8 - 1 Pole / 4 - 2 Pole Max 30 Amperes Breakers	4,168.51		392.59	
26 22 13 00-0047	EA 10 KVA, 480 Volt - 120/240 Volt, Transformer With 10 - 1 Pole / 5 - 2 Pole Max 40 Amperes Breakers	4,520.67		422.79	
26 22 13 00-0048	EA 15 KVA, 480 Volt - 120/240 Volt, Transformer With 16 - 1 Pole / 8 - 2 Pole Max 60 Amperes Breakers	5,675.82		452.99	
26 22 13 00-0049	EA 25 KVA, 480 Volt - 120/240 Volt, Transformer With 24 - 1 Pole / 12 - 2 Pole Max 100 Amperes Breakers	8,080.99		483.19	
26 22 13 00-0050	240 Volt, 120/240 Volt, Single Phase Isolation Transformer Computer Grade (26 22 13 00-0001)				
26 22 13 00-0051	EA 0.5 KVA, 240 Volt - 120/240 Volt, 1 Phase, 60 Hertz, Isolation Transformer	2,721.66		271.79	
26 22 13 00-0052	EA 1 KVA, 240 Volt - 120/240 Volt, 1 Phase, 60 Hertz, Isolation Transformer	3,989.19		301.99	
26 22 13 00-0053	EA 2.5 KVA, 240 Volt - 120/240 Volt, 1 Phase, 60 Hertz, Isolation Transformer	4,634.84		362.39	
26 22 13 00-0054	EA 5 KVA, 240 Volt - 120/240 Volt, 1 Phase, 60 Hertz, Isolation Transformer	5,163.64		377.49	
26 22 13 00-0055	EA 7.5 KVA, 240 Volt - 120/240 Volt, 1 Phase, 60 Hertz, Isolation Transformer	5,876.13		392.59	
26 22 13 00-0056	EA 10 KVA, 240 Volt - 120/240 Volt, 1 Phase, 60 Hertz, Isolation Transformer	7,720.98		422.79	
26 22 13 00-0057	EA 15 KVA, 240 Volt - 120/240 Volt, 1 Phase, 60 Hertz, Isolation Transformer	10,185.13		452.99	

Electrical			26
Low-Voltage Electrical Distribution			26 20
Low-Voltage Transformers			26 22
MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	

26 22 13 00-0058	600 Volt, 208/120 Volt, Dry General Purpose Transformer (26 22 13 00-0001)		
26 22 13 00-0059	EA 15 KVA, 600 Volt, 208 Y / 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	12,716.66	452.99
26 22 13 00-0060	EA 25 KVA, 600 Volt, 208 Y / 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	13,168.53	483.19
26 22 13 00-0061	EA 30 KVA, 600 Volt, 208 Y / 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	13,662.04	513.39
26 22 13 00-0062	EA 37.5 KVA, 600 Volt, 208 Y / 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	18,252.39	543.58
26 22 13 00-0063	EA 45 KVA, 600 Volt, 208 Y / 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	18,952.28	573.78
26 22 13 00-0064	EA 50 KVA, 600 Volt, 208 Y / 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	25,543.05	603.98
26 22 13 00-0065	3 Phase General Purpose "Dry Type" Transformer (26 22 13) Note: 60 HZ type EP and EPT 115 C rise, 185 C insulation, type DT-3 and DS-3 150 C rise, 220 C insulation. Indoor use. Wall mounted for up to 10 KVA, floor mounted for 15 KVA and larger. DT-3 and DS-3 use weathershields for outdoor placement. UL listed.		
26 22 13 00-0066	Packaged Power Supply (26 22 13 00-0065) Note: 2-5 Percent FCBN taps.		
26 22 13 00-0067	EA 15 KVA, 480 Volt - 208/120 Volt, Transformer With 12 - 1 Pole / 4 - 3 Pole Max, 40 Amperes Breakers.....	16,466.25	1,298.57
	For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	1,040.18	
	For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	693.46	
26 22 13 00-0068	EA 22.5 KVA, 480 Volt - 208/120 Volt, Transformer With 18 - 1 Pole / 6 - 3 Pole Max, 60 Amperes Breakers.....	19,965.14	1,389.17
	For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	1,289.01	
	For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	859.34	
26 22 13 00-0069	EA 30 KVA, 480 Volt - 208/120 Volt, Transformer With 24 - 1 Pole / 8 - 3 Pole Max, 80 Amperes Breakers.....	24,107.90	1,509.97
	For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	1,581.60	
	For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	1,054.40	
26 22 13 00-0070	Drive Isolation Transformers (26 22 13 00-0065) Note: Only use in step-up applications.		
26 22 13 00-0071	230 Volt Drive Isolation Transformers (26 22 13 00-0070)		
26 22 13 00-0072	EA 7.5 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	8,965.18	483.19
26 22 13 00-0073	EA 11 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	10,521.61	513.39
26 22 13 00-0074	EA 15 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	10,881.22	543.58
26 22 13 00-0075	EA 20 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	12,884.47	573.78
26 22 13 00-0076	EA 27 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	13,312.44	634.19
26 22 13 00-0077	EA 34 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	14,638.05	694.59
26 22 13 00-0078	EA 40 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	16,570.05	754.99
26 22 13 00-0079	EA 51 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	19,300.48	845.59
26 22 13 00-0080	EA 63 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	20,912.76	875.79
26 22 13 00-0081	EA 75 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	24,208.59	905.98
26 22 13 00-0082	EA 93 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	30,584.25	936.18
26 22 13 00-0083	EA 118 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	34,274.38	1,147.58
26 22 13 00-0084	EA 145 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	38,276.88	1,207.98
26 22 13 00-0085	EA 175 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	43,923.03	1,268.37
26 22 13 00-0086	EA 220 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	53,601.85	1,509.97
26 22 13 00-0087	EA 275 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	71,156.34	1,781.76
26 22 13 00-0088	EA 330 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	75,053.36	1,962.96
26 22 13 00-0089	EA 440 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	91,541.57	2,174.36
26 22 13 00-0090	EA 550 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	113,160.72	2,415.95
26 22 13 00-0091	208V Drive Isolation Transformers (26 22 13 00-0070)		
26 22 13 00-0092	EA 7.5 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	9,372.31	483.19
26 22 13 00-0093	EA 11 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	11,004.90	513.39
26 22 13 00-0094	EA 15 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	11,379.73	543.58
26 22 13 00-0095	EA 20 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	13,481.88	573.78
26 22 13 00-0096	EA 27 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	13,925.49	634.19
26 22 13 00-0097	EA 30 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	15,252.01	664.39
26 22 13 00-0098	EA 45 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	17,397.00	785.19
26 22 13 00-0099	EA 51 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	20,196.79	845.59
26 22 13 00-0100	EA 63 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	21,888.07	875.79
26 22 13 00-0101	EA 75 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	25,348.58	905.98
26 22 13 00-0102	EA 93 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	32,045.69	936.18
26 22 13 00-0103	EA 118 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	35,902.13	1,147.58
26 22 13 00-0104	EA 145 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	40,102.20	1,207.98
26 22 13 00-0105	EA 175 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	46,029.60	1,268.37
26 22 13 00-0106	EA 220 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	56,176.47	1,509.97
26 22 13 00-0107	480 Volt x 208Y/120 Volt, 2-2.5 Percent FCBN Taps (26 22 13 00-0065)		
26 22 13 00-0108	EA 9 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer.....	6,208.51	498.29
26 22 13 00-0109	EA 15 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer.....	8,238.58	543.58
	For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	536.36	
	For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	357.57	
26 22 13 00-0110	480 Volt x 208Y/120 Volt, 2-2.5 Percent FCAN And 4-2.5 Percent FCBN Taps (26 22 13 00-0065)		

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 22 Low-Voltage Transformers**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 22 13 00-0111	EA	30 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	9,184.40	664.39
		For K13 Factor Rating, Add	7,855.63	
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	392.78	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	589.17	
		For K20 Factor Rating, Add	10,212.32	
		For K4 Factor Rating, Add	5,498.94	
26 22 13 00-0112	EA	37.5 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	11,159.56	724.79
		For K13 Factor Rating, Add	9,709.99	
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	485.50	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	728.25	
		For K20 Factor Rating, Add	12,622.99	
		For K4 Factor Rating, Add	6,796.99	
26 22 13 00-0113	EA	45 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	11,642.10	785.19
		For K13 Factor Rating, Add	10,071.73	
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	503.59	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	755.38	
		For K20 Factor Rating, Add	13,093.25	
		For K4 Factor Rating, Add	7,050.21	
26 22 13 00-0114	EA	50 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	15,456.98	845.59
		For K13 Factor Rating, Add	13,765.82	
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	688.29	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	1,032.44	
		For K20 Factor Rating, Add	17,895.57	
		For K4 Factor Rating, Add	9,636.07	
26 22 13 00-0115	EA	75 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	15,176.50	905.98
		For K13 Factor Rating, Add	13,364.54	
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	668.23	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	1,002.34	
		For K20 Factor Rating, Add	17,373.90	
		For K4 Factor Rating, Add	9,355.18	
26 22 13 00-0116	EA	112.5 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	18,928.36	1,087.18
		For K13 Factor Rating, Add	16,754.00	
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	837.70	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	1,256.55	
		For K20 Factor Rating, Add	21,780.20	
		For K4 Factor Rating, Add	11,727.80	
26 22 13 00-0117	EA	150 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	24,759.98	1,207.98
		For K13 Factor Rating, Add	22,344.03	
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	1,117.20	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	1,675.80	
		For K20 Factor Rating, Add	29,047.24	
		For K4 Factor Rating, Add	15,640.82	
26 22 13 00-0118	EA	225 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	33,892.40	1,509.97
		For K13 Factor Rating, Add	30,872.46	
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	1,543.62	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	2,315.43	
		For K20 Factor Rating, Add	40,134.20	
		For K4 Factor Rating, Add	21,610.72	
26 22 13 00-0119	EA	300 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	41,283.34	1,872.37
		For K13 Factor Rating, Add	37,538.61	
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	1,876.93	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	2,815.40	
		For K20 Factor Rating, Add	48,800.19	
		For K4 Factor Rating, Add	26,277.03	
26 22 13 00-0120	EA	500 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	59,559.53	2,295.16
		For K13 Factor Rating, Add	54,969.22	
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	2,748.46	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	4,122.69	
		For K20 Factor Rating, Add	71,459.99	
		For K4 Factor Rating, Add	38,478.45	
26 22 13 00-0121	EA	750 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	139,639.19	2,767.70
		For K13 Factor Rating, Add	134,082.50	
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	6,704.13	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	10,056.19	
		For K20 Factor Rating, Add	174,307.25	
		For K4 Factor Rating, Add	93,857.75	
26 22 13 00-0122	EA	1,000 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	184,553.33	3,019.94
		For K13 Factor Rating, Add	178,513.45	
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	8,925.67	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	13,388.51	
		For K20 Factor Rating, Add	232,067.49	
		For K4 Factor Rating, Add	124,959.42	

26 22 13 00-0123 480 Volt x 208Y/120 Volt, 2-2.5 Percent FCAN And 2-2.5 Percent FCBN Taps

26 22 13 00-0124	EA	6 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	4,998.33	468.09
		For K13 Factor Rating, Add	4,062.15	
		For K20 Factor Rating, Add	5,280.80	
		For K4 Factor Rating, Add	2,843.51	
26 22 13 00-0125	EA	9 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	6,208.51	498.29
		For K13 Factor Rating, Add	5,211.93	
		For K20 Factor Rating, Add	6,775.51	
		For K4 Factor Rating, Add	3,648.35	
26 22 13 00-0126	EA	15 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	8,238.58	543.58
		For K13 Factor Rating, Add	7,151.40	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	536.36	
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	357.57	
		For K20 Factor Rating, Add	9,296.82	
		For K4 Factor Rating, Add	5,005.98	

Electrical			26
Low-Voltage Electrical Distribution			26 20
Low-Voltage Transformers			26 22
MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST
			DEMOLITION UNIT COST

26 22 13 00-0127		480 Volt x 480Y/277 Volt, 2-2.5 Percent FCAN And 4 Percent FCBN Taps		
26 22 13 00-0128	EA	30 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer For K20 Factor Rating, Add For K4 Factor Rating, Add For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add For K13 Factor Rating, Add	16,282.28 19,439.56 10,467.46 1,121.51 747.68 14,953.51	664.39
26 22 13 00-0129	EA	45 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer For K20 Factor Rating, Add For K4 Factor Rating, Add For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add For K13 Factor Rating, Add	18,210.65 21,632.36 11,648.20 1,248.02 832.01 16,640.28	785.19
26 22 13 00-0130	EA	75 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer For K20 Factor Rating, Add For K4 Factor Rating, Add For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add For K13 Factor Rating, Add	27,119.84 32,900.24 17,715.52 1,898.09 1,265.39 25,307.88	905.98
26 22 13 00-0131	EA	112.5 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer For K20 Factor Rating, Add For K4 Factor Rating, Add For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add For K13 Factor Rating, Add	34,096.66 41,498.99 22,345.61 2,394.17 1,596.12 31,922.30	1,087.18
26 22 13 00-0132	EA	150 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer For K20 Factor Rating, Add For K4 Factor Rating, Add For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add For K13 Factor Rating, Add	41,167.46 50,376.96 27,126.06 2,906.36 1,937.58 38,751.51	1,207.98
26 22 13 00-0133	EA	225 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer For K20 Factor Rating, Add For K4 Factor Rating, Add For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add For K13 Factor Rating, Add	52,808.12 64,724.63 34,851.73 3,734.11 2,489.41 49,788.18	1,509.97
26 22 13 00-0134	EA	300 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer For K20 Factor Rating, Add For K4 Factor Rating, Add For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add For K13 Factor Rating, Add	64,171.57 78,554.89 42,298.79 4,532.01 3,021.34 60,426.84	1,872.37
26 22 13 00-0135	EA	500 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer For K20 Factor Rating, Add For K4 Factor Rating, Add For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add For K13 Factor Rating, Add	103,838.15 129,022.19 69,473.49 7,443.59 4,962.39 99,247.84	2,295.16
26 22 13 00-0136		3 Phase 60 Hz K20 Dry Type Transformers (26 22 13 00-0065)		
26 22 13 00-0137		3 Phase 60 Hz K20 Dry Type Transformers, 115 C Rise (26 22 13 00-0136) Note: 220 C insulation 480 V-208 Y/120 V. 2-2.5 Percent above and 4-2.5 percent taps below.		
26 22 13 00-0138	EA	15 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer	7,663.69	543.58
26 22 13 00-0139	EA	30 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer	11,746.32	664.39
26 22 13 00-0140	EA	45 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer	17,433.60	785.19
26 22 13 00-0141	EA	75 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer	22,375.40	905.98
26 22 13 00-0142	EA	112.5 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer	33,894.50	1,087.18
26 22 13 00-0143	EA	150 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer	41,344.35	1,207.98
26 22 13 00-0144	EA	225 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer	47,975.23	1,509.97
26 22 13 00-0145	EA	300 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer	76,737.06	1,872.37
26 22 13 00-0146		3 Phase 60 Hz K20 Dry Type Transformers, 80 C Rise (26 22 13 00-0136) Note: 220 C insulation 480 V-208 Y/120 V. 2-2.5 Percent above and 4-2.5 percent taps below.		
26 22 13 00-0147	EA	15 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer	8,984.05	543.58
26 22 13 00-0148	EA	30 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer	13,831.09	664.39
26 22 13 00-0149	EA	45 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer	20,604.98	785.19
26 22 13 00-0150	EA	75 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer	26,481.78	905.98
26 22 13 00-0151	EA	112.5 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer	40,237.27	1,087.18
26 22 13 00-0152	EA	150 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer	49,133.82	1,207.98

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 22 Low-Voltage Transformers**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 22 13 00-0153	EA	225 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer.....	56,965.03		1,509.97
26 22 13 00-0154	EA	300 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer.....	91,336.79		1,872.37
26 22 13 00-0155		NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0065)			
26 22 13 00-0156		Aluminum Windings, NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0155) Note: Two taps at 2.5%, four at -2.5%.			
26 22 13 00-0157		150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0156)			
26 22 13 00-0158	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	3,502.66		541.51
26 22 13 00-0159	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	4,272.91		661.84
26 22 13 00-0160	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	5,148.00		782.18
26 22 13 00-0161	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	6,882.89		902.51
26 22 13 00-0162	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	9,183.91		1,083.02
26 22 13 00-0163	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	11,396.45		1,203.35
26 22 13 00-0164	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	15,091.88		1,504.19
26 22 13 00-0165	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	21,195.49		1,865.19
26 22 13 00-0166		115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0156)			
26 22 13 00-0167	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	4,230.66		541.51
26 22 13 00-0168	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	5,154.74		661.84
26 22 13 00-0169	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	6,223.34		782.18
26 22 13 00-0170	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	8,406.49		902.51
26 22 13 00-0171	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	10,756.51		1,083.02
26 22 13 00-0172	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	14,093.38		1,203.35
26 22 13 00-0173	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	18,717.17		1,504.19
26 22 13 00-0174	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	26,435.02		1,865.19
26 22 13 00-0175		80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0156)			
26 22 13 00-0176	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	4,955.72		541.51
26 22 13 00-0177	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	6,039.02		661.84
26 22 13 00-0178	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	7,298.69		782.18
26 22 13 00-0179	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	9,927.65		902.51
26 22 13 00-0180	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	12,740.62		1,083.02
26 22 13 00-0181	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	16,790.30		1,203.35
26 22 13 00-0182	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	22,342.47		1,504.19
26 22 13 00-0183	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	31,674.55		1,865.19
26 22 13 00-0184		Copper Windings, NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0155) Note: Two taps at 2.5%, four at -2.5%.			
26 22 13 00-0185		150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0184)			
26 22 13 00-0186	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	4,713.21		541.51
26 22 13 00-0187	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	5,745.08		661.84
26 22 13 00-0188	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	6,938.60		782.18
26 22 13 00-0189	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	9,420.59		902.51
26 22 13 00-0190	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	12,770.01		1,083.02

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 22 13 00-0191	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	15,984.41	1,203.35
26 22 13 00-0192	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	21,257.33	1,504.19
26 22 13 00-0193	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	30,109.30	1,865.19
26 22 13 00-0194		115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0184)		
26 22 13 00-0195	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	5,438.27	541.51
26 22 13 00-0196	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	6,629.36	661.84
26 22 13 00-0197	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	8,013.95	782.18
26 22 13 00-0198	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	10,944.21	902.51
26 22 13 00-0199	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	16,630.46	1,083.02
26 22 13 00-0200	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	20,947.14	1,203.35
26 22 13 00-0201	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	26,734.47	1,504.19
26 22 13 00-0202	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	39,782.47	1,865.19
26 22 13 00-0203		80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0184)		
26 22 13 00-0204	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	6,165.78	541.51
26 22 13 00-0205	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	7,513.63	661.84
26 22 13 00-0206	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	9,089.28	782.18
26 22 13 00-0207	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	12,465.35	902.51
26 22 13 00-0208	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	19,731.57	1,083.02
26 22 13 00-0209	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	25,446.92	1,203.35
26 22 13 00-0210	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	32,209.15	1,504.19
26 22 13 00-0211	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	47,508.27	1,865.19
26 22 13 00-0212		3 Phase Weathershields (26 22 13 00-0065) Note: Use with type DT-3 and DS-3.		
26 22 13 00-0213	EA	45-112.5 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2	1,737.31	
26 22 13 00-0214	EA	150-300 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2	2,950.27	
26 22 13 00-0215	EA	500-1,000 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2	2,950.27	
26 22 13 00-0216		Three Phase Mounting Brackets (26 22 13 00-0065)		
26 22 13 00-0217	EA	3 Phase Mounting Brackets (Set Of 2) For Transformers Up To 112.5 KVA.....	1,356.33	214.46
26 22 13 00-0218		Foam Core Poly Transformer Pads (26 22 13)		
26 22 13 00-0219	EA	Single Phase Foam Core Poly Pads..... Note: Excludes site prep.	450.35	39.90

26 24 Switchboards and Panelboards (26 20)

26 24 13 Switchboards (26 24)

Note: Installation of free-standing building distribution switchboards. Switchboard sections to be mounted on 4" concrete pad. Includes material, handling, unloading at job site, assembly and installation, wiring connections, testing and cleanup. Exclude concrete pad and foundation.

26 24 13 00-0001		Fusible Switch Type 240 Volt, 3 Phase, 3 Wire (26 24 13)		
26 24 13 00-0002		Incoming Service Section Main Device Only (26 24 13 00-0001)		
		Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0003	EA	400 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	4,261.36	1,026.65
26 24 13 00-0004	EA	600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	4,723.59	1,085.93
26 24 13 00-0005	EA	800 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	7,701.36	1,231.82
26 24 13 00-0006	EA	1,200 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	8,296.87	1,320.55
26 24 13 00-0007	EA	1,600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	13,411.14	1,407.99
26 24 13 00-0008	EA	2,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	14,965.23	1,497.09
26 24 13 00-0009	EA	400 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	5,189.16	1,026.65
26 24 13 00-0010	EA	600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	6,678.93	1,085.93
26 24 13 00-0011	EA	800 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	9,348.06	1,232.87
26 24 13 00-0012	EA	1,200 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	12,837.99	1,320.55
26 24 13 00-0013	EA	1,600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	13,411.14	1,409.41
26 24 13 00-0014	EA	2,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	14,965.23	1,497.09

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 24 13 00-0015	EA	2,500 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	18,018.59	1,565.16
26 24 13 00-0016	EA	3,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	20,437.86	1,676.78
26 24 13 00-0017	EA	4,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	24,149.66	1,807.54
26 24 13 00-0018	EA	400 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	2,863.26	909.64
26 24 13 00-0019	EA	600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	3,168.79	968.44
26 24 13 00-0020	EA	800 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	3,628.76	1,114.80
26 24 13 00-0021	EA	1,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	3,917.18	1,161.63
26 24 13 00-0022	EA	1,200 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	4,176.08	1,203.54
26 24 13 00-0023	EA	1,600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	4,580.11	1,290.39
26 24 13 00-0024	EA	2,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	4,953.15	1,378.89

26 24 13 00-0025 Branch Breaker Units (26 24 13 00-0001)

Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 240 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.

26 24 13 00-0026	EA	15 To 60 Amperes, 240 Volt, MC Branch Breaker.....	372.70	35.80
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.48	
26 24 13 00-0027	EA	70 To 100 Amperes, 240 Volt, MC Branch Breaker.....	545.53	56.34
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.80	
26 24 13 00-0028	EA	125 To 225 Amperes, 240 Volt, MC Branch Breaker.....	1,471.95	102.70
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	61.62	
26 24 13 00-0029	EA	100 To 400 Amperes, 240 Volt, MC Branch Breaker.....	2,620.04	133.81
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	80.28	
26 24 13 00-0030	EA	300 To 600 Amperes, 240 Volt, MC Branch Breaker.....	4,654.43	328.64
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	197.15	
26 24 13 00-0031	EA	400 To 800 Amperes, 240 Volt, MC Branch Breaker.....	7,479.22	328.64
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	197.15	
26 24 13 00-0032	EA	600 To 1,200 Amperes, 240 Volt, MC Branch Breaker.....	12,118.64	585.69
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	351.41	

26 24 13 00-0033 Fusible Switch Type 480 Volt, 3 Phase, 3 Wire (26 24 13)**26 24 13 00-0034 Incoming Service Section Main Device Only** (26 24 13 00-0033)

Note: Copper bus, non-metering type, with fuses.

26 24 13 00-0035	EA	400 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch.....	6,039.49	1,332.17
26 24 13 00-0036	EA	600 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch.....	6,756.17	1,332.17
26 24 13 00-0037	EA	800 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch.....	10,088.31	1,731.24
26 24 13 00-0038	EA	1,200 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch.....	11,446.45	1,731.24

26 24 13 00-0039 Fusible Switch Type 120/240 Volt, 1 Phase, 3 Wire (26 24 13)**26 24 13 00-0040 Incoming Service Section Main Device Only** (26 24 13 00-0039)

Note: Copper bus, non-metering type, with fuses.

26 24 13 00-0041	EA	200/400 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch.....	3,836.60	909.64
26 24 13 00-0042	EA	600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch.....	4,277.97	968.44
26 24 13 00-0043	EA	800 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch.....	6,605.24	1,114.80
26 24 13 00-0044	EA	1,200 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch.....	7,177.78	1,202.60
26 24 13 00-0045	EA	200/400 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker.....	4,717.35	909.64
26 24 13 00-0046	EA	600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker.....	5,983.01	968.44
26 24 13 00-0047	EA	800 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker.....	8,434.48	1,114.80
26 24 13 00-0048	EA	1,200 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker.....	12,166.81	1,202.60
26 24 13 00-0049	EA	2,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker.....	14,292.22	1,349.78
26 24 13 00-0050	EA	200/400 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug.....	2,664.64	792.15
26 24 13 00-0051	EA	600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug.....	2,991.17	851.06
26 24 13 00-0052	EA	800 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug.....	3,511.62	997.43
26 24 13 00-0053	EA	1,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug.....	3,784.11	1,044.26
26 24 13 00-0054	EA	1,200 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug.....	4,048.25	1,085.93
26 24 13 00-0055	EA	1,600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug.....	4,395.30	1,161.63
26 24 13 00-0056	EA	2,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug.....	4,735.23	1,231.82
26 24 13 00-0057	EA	2,500 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug.....	5,878.54	1,525.84
26 24 13 00-0058	EA	3,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug.....	6,584.65	1,672.56
26 24 13 00-0059	EA	4,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug.....	7,770.43	1,804.60

26 24 13 00-0060 Branch Breaker Units (26 24 13 00-0039)

Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 240 V, 2 pole. Use upper range to determine breaker unless designing for future expansion.

26 24 13 00-0061	EA	15 To 60 Amperes, 120 / 240 Volt, MC Branch Breaker.....	198.83	31.10
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.66	
26 24 13 00-0062	EA	70 To 100 Amperes, 120 / 240 Volt, MC Branch Breaker.....	315.57	51.65
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.99	
26 24 13 00-0063	EA	125 To 225 Amperes, 120 / 240 Volt, MC Branch Breaker.....	972.42	72.18
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.31	
26 24 13 00-0064	EA	100 To 400 Amperes, 120 / 240 Volt, MC Branch Breaker.....	2,810.75	92.72
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.63	
26 24 13 00-0065	EA	300 To 600 Amperes, 120/240 Volt, MC Branch Breaker.....	4,417.10	225.95
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	135.56	
26 24 13 00-0066	EA	400 To 800 Amperes, 120/240 Volt, MC Branch Breaker.....	6,291.52	225.95
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	135.56	
26 24 13 00-0067	EA	600 To 1,200 Amperes, 120/240 Volt, MC Branch Breaker.....	10,366.59	431.34
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	258.83	

26 24 13 00-0068 Fusible Switch Type 120/208 Volt, 3 Phase, 4 Wire (26 24 13)

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 24 13 00-0069 Incoming Service Section Main Device Only (26 24 13 00-0068)

Note: Copper bus, non-metering type, with fuses.

26 24 13 00-0070	EA 400 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	4,262.80	1,026.65
26 24 13 00-0071	EA 600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	4,721.98	1,085.93
26 24 13 00-0072	EA 800 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	7,699.29	1,231.82
26 24 13 00-0073	EA 1,200 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	8,294.50	1,320.55
26 24 13 00-0074	EA 1,600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	13,405.72	1,407.99
26 24 13 00-0075	EA 2,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	14,965.23	1,497.09
26 24 13 00-0076	EA 400 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	5,190.60	1,026.65
26 24 13 00-0077	EA 600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	6,677.32	1,085.93
26 24 13 00-0078	EA 800 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	9,348.06	1,232.87
26 24 13 00-0079	EA 1,200 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	12,835.62	1,320.55
26 24 13 00-0080	EA 1,600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	13,408.42	1,409.41
26 24 13 00-0081	EA 2,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	14,965.23	1,497.09
26 24 13 00-0082	EA 400 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	3,010.43	909.64
26 24 13 00-0083	EA 600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	3,372.75	968.44
26 24 13 00-0084	EA 800 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	3,934.76	1,114.80
26 24 13 00-0085	EA 1,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	4,239.10	1,161.63
26 24 13 00-0086	EA 1,200 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	4,533.74	1,203.54
26 24 13 00-0087	EA 1,600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	4,923.76	1,290.39
26 24 13 00-0088	EA 2,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	5,319.13	1,378.89
26 24 13 00-0089	EA 2,500 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	6,324.16	1,566.92
26 24 13 00-0090	EA 3,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	7,005.49	1,676.67
26 24 13 00-0091	EA 4,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	8,296.93	1,801.66

26 24 13 00-0092 Branch Breaker Units (26 24 13 00-0068)

Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 120/208 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.

26 24 13 00-0093	EA 15 To 60 Amperes, 120/208 Volt, MC Branch Breaker.....	372.70	35.80
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	21.48	
26 24 13 00-0094	EA 70 To 100 Amperes, 120/208 Volt, MC Branch Breaker.....	545.53	56.34
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	33.80	
26 24 13 00-0095	EA 125 To 225 Amperes, 120/208 Volt, MC Branch Breaker.....	1,471.95	102.70
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	61.62	
26 24 13 00-0096	EA 100 To 400 Amperes, 120/208 Volt, MC Branch Breaker.....	2,620.04	133.81
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	80.28	
26 24 13 00-0097	EA 300 To 600 Amperes, 120/208 Volt, MC Branch Breaker.....	4,654.43	328.64
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	197.15	
26 24 13 00-0098	EA 400 To 800 Amperes, 120/208 Volt, MC Branch Breaker.....	7,479.22	328.64
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	197.15	
26 24 13 00-0099	EA 600 To 1,200 Amperes, 120/208 Volt, MC Branch Breaker.....	12,118.64	585.69
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	351.41	

26 24 13 00-0100 Fusible Switch Type 277/480 Volt, 3 Phase, 4 Wire (26 24 13)

26 24 13 00-0101 Incoming Service Section Main Device Only (26 24 13 00-0100)

Note: Copper bus, non-metering type, with fuses.

26 24 13 00-0102	EA 400 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	5,514.74	1,407.99
26 24 13 00-0103	EA 600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	6,059.87	1,497.09
26 24 13 00-0104	EA 800 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	8,684.87	1,671.02
26 24 13 00-0105	EA 1,200 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	9,499.01	1,789.22
26 24 13 00-0106	EA 400 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	7,089.92	1,407.99
26 24 13 00-0107	EA 600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	9,590.40	1,497.09
26 24 13 00-0108	EA 800 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	10,869.86	1,672.91
26 24 13 00-0109	EA 1,200 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	13,772.90	1,789.22
26 24 13 00-0110	EA 1,600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	14,405.43	1,907.89
26 24 13 00-0111	EA 2,000 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	16,023.95	2,026.44
26 24 13 00-0112	EA 400 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	3,010.43	909.64
26 24 13 00-0113	EA 600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	3,372.75	968.44
26 24 13 00-0114	EA 800 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	3,934.76	1,114.80
26 24 13 00-0115	EA 1,000 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	4,239.10	1,161.63
26 24 13 00-0116	EA 1,200 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	4,533.74	1,203.54
26 24 13 00-0117	EA 1,600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	4,923.76	1,290.39
26 24 13 00-0118	EA 2,000 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	5,319.13	1,378.89

26 24 13 00-0119 Branch Breaker Units (26 24 13 00-0100)

Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 480 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.

26 24 13 00-0120	EA 15 To 60 Amperes, 480/277 Volt, MC Branch Breaker.....	777.32	35.80
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	21.48	
26 24 13 00-0121	EA 70 To 100 Amperes, 480/277 Volt, MC Branch Breaker.....	893.69	56.34
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	33.80	
26 24 13 00-0122	EA 125 To 225 Amperes, 480/277 Volt, MC Branch Breaker.....	1,620.62	102.70
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	61.62	
26 24 13 00-0123	EA 100 To 400 Amperes, 480/277 Volt, MC Branch Breaker.....	2,620.04	133.81
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	80.28	
26 24 13 00-0124	EA 300 To 600 Amperes, 480/277 Volt, MC Branch Breaker.....	6,276.66	328.64
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	197.15	
26 24 13 00-0125	EA 400 To 800 Amperes, 480/277 Volt, MC Branch Breaker.....	6,421.57	328.64
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	197.15	
26 24 13 00-0126	EA 600 To 1,200 Amperes, 480/277 Volt, MC Branch Breaker.....	10,295.04	585.69
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	351.41	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 24 13 00-0127	Fusible Branch Circuit Switch (26 24 13)			
	Note: Includes switch fuses, and portion of distribution section occupied by that branch device.			
26 24 13 00-0128	240 Volt, 2 Pole Twin Branch Switch Units (26 24 13 00-0127)			
26 24 13 00-0129	EA	30/30 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit.....	792.47	92.14
		For Electrical Interlock Kit, Add	329.00	
26 24 13 00-0130	EA	30/60 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit.....	789.65	92.14
		For Electrical Interlock Kit, Add	329.00	
26 24 13 00-0131	EA	60/60 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit.....	789.65	92.14
		For Electrical Interlock Kit, Add	329.00	
26 24 13 00-0132	EA	60/100 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit.....	1,242.86	121.48
		For Electrical Interlock Kit, Add	329.00	
26 24 13 00-0133	EA	100/100 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit.....	1,242.86	121.48
		For Electrical Interlock Kit, Add	329.00	
26 24 13 00-0134	240 Volt, 2 Pole Single Branch Switch Units (26 24 13 00-0127)			
26 24 13 00-0135	EA	100 Amperes, 240 Volt, 2 Pole Single Branch Switch Unit	908.79	90.38
		For Electrical Interlock Kit, Add	315.17	
26 24 13 00-0136	EA	200 Amperes, 240 Volt, 2 Pole Single Branch Switch Unit	1,331.42	90.38
		For Electrical Interlock Kit, Add	315.17	
26 24 13 00-0137	EA	400 Amperes, 240 Volt, 2 Pole Single Branch Switch Unit	3,420.44	243.55
26 24 13 00-0138	240 Volt, 3 Pole Twin Branch Switch Units (26 24 13 00-0127)			
26 24 13 00-0139	EA	30/30 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit.....	1,017.68	103.88
		For Electrical Interlock Kit, Add	329.00	
26 24 13 00-0140	EA	30/60 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit.....	1,014.86	103.88
		For Electrical Interlock Kit, Add	329.00	
26 24 13 00-0141	EA	60/60 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit.....	1,014.86	103.88
		For Electrical Interlock Kit, Add	329.00	
26 24 13 00-0142	EA	60/100 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit.....	1,531.46	139.09
		For Electrical Interlock Kit, Add	329.00	
26 24 13 00-0143	EA	100/100 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit.....	1,531.46	139.09
		For Electrical Interlock Kit, Add	329.00	
26 24 13 00-0144	240 Volt, 3 Pole Single Branch Switch Units (26 24 13 00-0127)			
26 24 13 00-0145	EA	100 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit	1,101.80	102.11
		For Electrical Interlock Kit, Add	329.00	
26 24 13 00-0146	EA	200 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit	1,790.77	102.11
		For Electrical Interlock Kit, Add	315.17	
26 24 13 00-0147	EA	400 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit	4,589.23	272.65
26 24 13 00-0148	EA	600 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit	6,559.79	349.30
26 24 13 00-0149	EA	800 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit	12,236.63	473.24
26 24 13 00-0150	600 Volt, 3 Pole Twin Branch Switch Units (26 24 13 00-0127)			
26 24 13 00-0151	EA	30/30 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit.....	1,444.31	103.88
		For Electrical Interlock Kit, Add	329.00	
26 24 13 00-0152	EA	30/60 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit.....	1,441.46	103.88
		For Electrical Interlock Kit, Add	329.00	
26 24 13 00-0153	EA	60/60 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit.....	1,444.31	103.88
		For Electrical Interlock Kit, Add	329.00	
26 24 13 00-0154	EA	60/100 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit.....	2,175.18	139.09
		For Electrical Interlock Kit, Add	329.00	
26 24 13 00-0155	EA	100/100 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit.....	2,222.82	139.09
		For Electrical Interlock Kit, Add	329.00	
26 24 13 00-0156	EA	200/200 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit.....	4,750.43	181.93
		For Electrical Interlock Kit, Add	329.00	
26 24 13 00-0157	600 Volt, 3 Pole, Single Branch Switch Units (26 24 13 00-0127)			
26 24 13 00-0158	EA	100 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit	1,561.30	102.11
		For Electrical Interlock Kit, Add	329.00	
26 24 13 00-0159	EA	200 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit	2,374.12	102.11
		For Electrical Interlock Kit, Add	315.17	
26 24 13 00-0160	EA	400 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit	5,772.52	272.65
		For Electrical Interlock Kit, Add	315.17	
26 24 13 00-0161	EA	600 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit	7,007.67	349.30
26 24 13 00-0162	EA	800 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit	12,236.63	473.24
26 24 13 00-0163	Service And Distribution Structures (26 24 13)			
26 24 13 00-0164	Distribution Section 600 Volt, 250 Volt DC (26 24 13 00-0163)			
26 24 13 00-0165	600 Amperes, 4 Wire, Main Bus (26 24 13 00-0164)			
26 24 13 00-0166	EA	14 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	2,793.17	1,079.82
26 24 13 00-0167	EA	24 To 30 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	3,343.04	1,079.82
26 24 13 00-0168	EA	34 To 38 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	3,722.70	1,373.25
26 24 13 00-0169	EA	42 To 48 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	4,101.87	1,373.25
26 24 13 00-0170	800 Amperes, 4 Wire, Main Bus (26 24 13 00-0164)			
26 24 13 00-0171	EA	14 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	3,138.24	1,250.01

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0172	EA	24 To 30 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	3,673.12	1,250.01
26 24 13 00-0173	EA	34 To 38 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	4,101.87	1,549.32
26 24 13 00-0174	EA	42 To 48 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	4,442.51	1,549.32
26 24 13 00-0175		1,200 Amperes, 4 Wire, Main Bus (26 24 13 00-0164)		
26 24 13 00-0176	EA	14 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	3,672.32	1,525.84
26 24 13 00-0177	EA	24 To 30 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	4,220.02	1,525.84
26 24 13 00-0178	EA	34 To 38 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	4,675.39	1,877.96
26 24 13 00-0179	EA	42 To 48 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	5,174.42	1,877.96
26 24 13 00-0180		1,600 Amperes, 4 Wire, Main Bus (26 24 13 00-0164)		
26 24 13 00-0181	EA	14 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	4,564.75	1,672.56
26 24 13 00-0182	EA	24 To 30 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	5,215.03	1,672.56
26 24 13 00-0183	EA	34 To 38 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	5,755.15	2,065.76
26 24 13 00-0184	EA	42 To 48 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	6,189.86	2,065.76
26 24 13 00-0185		2,000 Amperes, 4 Wire, Main Bus (26 24 13 00-0164)		
26 24 13 00-0186	EA	14 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	4,782.35	1,678.42
26 24 13 00-0187	EA	24 To 30 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	5,483.74	1,889.69
26 24 13 00-0188	EA	34 To 38 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	5,604.67	1,889.69
26 24 13 00-0189	EA	42 To 48 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	5,834.99	1,995.32
26 24 13 00-0190		3,000 Amperes, 4 Wire, Main Bus (26 24 13 00-0164)		
26 24 13 00-0191	EA	24 To 30 Watt Distribution Section, 3,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	6,633.42	1,889.69
26 24 13 00-0192	EA	34 To 38 Watt Distribution Section, 3,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	6,752.54	1,889.69
26 24 13 00-0193	EA	42 To 48 Watt Distribution Section, 3,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	6,982.86	1,995.32
26 24 13 00-0194		4,000 Amperes, 4 Wire, Main Bus (26 24 13 00-0164)		
26 24 13 00-0195	EA	24 To 30 Watt Distribution Section, 4,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	6,783.90	1,995.32
26 24 13 00-0196	EA	34 To 38 Watt Distribution Section, 4,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	6,982.86	1,995.32
26 24 13 00-0197	EA	42 To 48 Watt Distribution Section, 4,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	7,066.03	1,995.32
26 24 13 00-0198		Pull Boy, Horizontal Mounted Across Top Of Switch Board (26 24 13 00-0164)		
26 24 13 00-0199	EA	18 - 24" Wide, 30" High, Open Bottom, Pull Boy Horizontal Mounted, Top Of Switchboard.....	604.45	140.85
26 24 13 00-0200	EA	Drilled Bottom For Pull Boy.....	681.28	140.85
26 24 13 00-0201	EA	Cable Supports In Pull Box.....	245.69	35.21
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.56	
26 24 13 00-0202		Underground Pull Sections (26 24 13 00-0164)		
		Note: Excludes no bus or terminal.		
26 24 13 00-0203	EA	12 To 20" Wide, 15 - 20" Deep, Underground Pull Section Without Bus Or Terminal.....	583.82	164.33
26 24 13 00-0204	EA	24 To 28" Wide, 20" Deep, Underground Pull Section Without Bus Or Terminal.....	1,015.09	211.27
26 24 13 00-0205	EA	24 To 28" Wide, 30" Deep, Underground Pull Section Without Bus Or Terminal.....	1,015.09	211.27
26 24 13 00-0206	EA	14 To 20" Wide, 36" Deep, Underground Pull Section Without Bus Or Terminal.....	758.49	164.33
26 24 13 00-0207	EA	28 To 30" Wide, 36" Deep, Underground Pull Section Without Bus Or Terminal.....	1,088.47	240.61
26 24 13 00-0208	EA	14 To 20" Wide, 42 - 60" Deep, Underground Pull Section Without Bus Or Terminal.....	1,241.09	240.61
26 24 13 00-0209	EA	26 To 30" Wide, 42 - 60" Deep, Underground Pull Section Without Bus Or Terminal.....	1,299.37	311.04
26 24 13 00-0210	EA	38" Wide, 42 - 60" Deep, Underground Pull Section Without Bus Or Terminal.....	1,370.39	311.04
26 24 13 00-0211		Switchboard Sections (26 24 13 00-0163)		
26 24 13 00-0212	EA	600 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit.....	4,719.67	978.06
26 24 13 00-0213	EA	800 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit.....	5,170.12	1,063.16
26 24 13 00-0214	EA	1,200 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit.....	6,481.66	1,358.47
26 24 13 00-0215	EA	1,600 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit.....	7,089.12	1,481.94
26 24 13 00-0216	EA	2,000 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit.....	7,560.69	1,577.60
26 24 13 00-0217	EA	400 Amperes, 480 Volt, Switchboard Incoming For Switch Circuit Section.....	5,640.89	857.99
26 24 13 00-0218	EA	200 Amperes, Distribution Section Subfeeder Lug-Rated.....	3,184.11	815.03
26 24 13 00-0219	EA	400 Amperes, Distribution Section Subfeeder Lug-Rated.....	3,529.85	883.82
26 24 13 00-0220	EA	120/208 Or 277/480 Volt, 4 Wire, Distribution Section Aluminum Bus.....	8,047.23	978.06
26 24 13 00-0221	EA	800 Amperes, Switchboard Distribution Section Aluminum Bus Less Breaker.....	8,632.24	980.65
26 24 13 00-0222	EA	1,000 Amperes, Switchboard Distribution Section Aluminum Bus Less Breaker.....	9,473.39	1,094.85
26 24 13 00-0223	EA	15 To 60 Amperes, 240 Volt, 1 Phase, Feed Section Circuit Breaker FA Frame.....	177.14	58.68
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.84	
26 24 13 00-0224	EA	70 To 100 Amperes, 240 Volt, 3 Phase, Feed Section Circuit Breaker FA Frame.....	216.42	59.75
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.34	
26 24 13 00-0225	EA	70 To 225 Amperes, 480 Volt, 3 Phase, Feed Section Circuit Breaker KA Frame.....	1,016.95	70.54
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	91.22	
26 24 13 00-0226	EA	125 To 400 Amperes, 480 Volt, 3 Phase, Feed Section Circuit Breaker LA Frame.....	1,689.00	152.00
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	127.03	
26 24 13 00-0227	EA	100 Amperes, 240 Volt HIC, 3 Phase, Switchboard Feed Section Branch Circuit Breaker.....	669.05	211.74
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	73.36	
26 24 13 00-0228	EA	225 Amperes, 240 Volt HIC, 3 Phase, Switchboard Feed Section Branch Circuit Breaker.....	1,906.08	122.30
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	91.22	
26 24 13 00-0229		Switchboard, Structure Per Section Copper, 480 Volt (26 24 13 00-0163)		

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**
 MINOR
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 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 24 13 00-0230	EA	225 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	2,446.45	509.39
26 24 13 00-0231	EA	400 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	3,483.06	688.86
26 24 13 00-0232	EA	600 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	3,901.93	838.39
26 24 13 00-0233	EA	800 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	4,910.82	1,173.72
26 24 13 00-0234	EA	1,200 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	6,084.28	1,467.15
26 24 13 00-0235	EA	1,600 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	6,718.76	1,467.15
26 24 13 00-0236	EA	2,000 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	8,281.96	1,956.25
26 24 13 00-0237	EA	2,500 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	9,498.55	1,956.25
26 24 13 00-0238	EA	3,000 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	11,167.06	2,328.79
26 24 13 00-0239	EA	4,000 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	13,405.71	2,328.79

26 24 13 00-0240 Main Devices (26 24 13)**26 24 13 00-0241 Power Circuit Breakers** (26 24 13 00-0240)**26 24 13 00-0242 DSL Breaker With Current Limiters And Amptector** (26 24 13 00-0241)

Note: 11 Static trip not applicable to ground-fault or plug in test feature. Manually operated.

26 24 13 00-0243	EA	50 To 800 Amperes, DSL-206, Main Breaker With Current Limiter, Amptector Static Trip	8,635.74	1,232.41
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	737.88	
26 24 13 00-0244	EA	50 To 1,600 Amperes, DSL-416, Main Breaker With Current Limiter, Amptector Static Trip	15,775.79	2,054.02
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,231.18	
26 24 13 00-0245	EA	1,200 To 3,200 Amperes, DSL-632, Main Breaker With Current Limiter, Amptector Static Trip	35,641.41	3,450.75
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,051.96	
26 24 13 00-0246	EA	4,000 Amperes, DSL-840, Main Breaker With Current Limiter, Amptector Static Trip	57,400.15	5,586.92
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,411.98	
26 24 13 00-0247	EA	Ground-Fault Trip All Power Breakers - Factory Installed	3,046.56	
26 24 13 00-0248	EA	Key Interlock All Power Breakers - Factory Installed	393.45	
26 24 13 00-0249	EA	Short Time Delay Selective Trip - Factory Installed	516.18	
26 24 13 00-0250	EA	Shunt Trip Manually Open Breakers - Factory Installed	371.80	

26 24 13 00-0251 DSL Breaker Electrical Operated And Amptector (26 24 13 00-0241)

Note: 11 Static trip not applicable to ground-fault or plug in test feature. Manually operated.

26 24 13 00-0252	EA	50 To 800 Amperes, DSL-206, Main Breaker, Electrical Operated With Amptector Static Trip	10,131.42	1,291.10
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	778.33	
26 24 13 00-0253	EA	50 To 1,600 Amperes, DSL-416, Main Breaker, Electrical Operated With Amptector Static Trip	18,843.20	2,171.39
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,296.45	
26 24 13 00-0254	EA	1,200 To 3,200 Amperes, DSL-632, Main Breaker, Electrical Operated With Amptector Static Trip	40,063.37	3,579.85
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,157.58	
26 24 13 00-0255	EA	4,000 Amperes, DSL-840, Main Breaker, Electrical Operated With Amptector Static Trip	61,832.03	5,868.62
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,607.75	

26 24 13 00-0256 DS Breakers With Amptector Static Trip, Manually Operated (26 24 13 00-0241)

Note: Includes integral ground fault and plug-in test provision. Excludes system, add price from section drawout mounted manually operated.

26 24 13 00-0257	EA	50 To 800 Amperes, DS-206, Main Breaker With Groundfault, Amptector Static Trip	6,859.49	1,126.77
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	677.15	
26 24 13 00-0258	EA	50 To 1,600 Amperes, DS-416, Main Breaker With Groundfault, Amptector Static Trip	12,567.71	1,889.69
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,128.58	
26 24 13 00-0259	EA	2,000 Amperes, DS-420, Main Breaker With Groundfault, Amptector Static Trip	18,595.09	3,169.05
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,880.96	
26 24 13 00-0260	EA	1,200 To 3,200 Amperes, DS-632, Main Breaker With Groundfault, Amptector Static Trip	32,109.40	5,105.69
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,132.71	
26 24 13 00-0261	EA	4,000 Amperes, DS-840, Main Breaker With Groundfault, Amptector Static Trip	52,235.75	8,333.43
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,208.83	

26 24 13 00-0262 DS Breakers With Amptector Static Trip, Electrically Operated (26 24 13 00-0241)

Note: Includes integral ground fault and plug-in test provision. Excludes system, add price from section drawout mounted electrical operated.

26 24 13 00-0263	EA	50 To 800 Amperes, DS-206, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	8,115.99	1,079.82
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	645.85	
26 24 13 00-0264	EA	50 To 1,600 Amperes, DS-416, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	15,166.98	1,807.54
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,076.15	
26 24 13 00-0265	EA	2,000 Amperes, DS-420, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	21,556.88	3,004.73
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,796.51	
26 24 13 00-0266	EA	1,200 To 3,200 Amperes, DS-632, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	35,573.17	4,894.42
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,994.19	
26 24 13 00-0267	EA	4,000 Amperes, DS-840, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	55,579.00	8,392.12
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,001.66	

26 24 13 00-0268 Molded Case Circuit Breakers Conventional (26 24 13 00-0241)

26 24 13 00-0269	EA	70 To 225 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker	2,869.52	985.93
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	567.93	
26 24 13 00-0270	EA	125 To 400 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker	4,230.38	985.93
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	617.75	
26 24 13 00-0271	EA	300 To 600 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker	4,693.69	1,173.72
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	677.15	
26 24 13 00-0272	EA	400 To 800 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker	5,591.08	1,173.72
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	733.58	
26 24 13 00-0273	EA	600 To 1,200 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker	8,343.30	1,408.47
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	803.92	
26 24 13 00-0274	EA	1,000 To 2,000 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker	13,549.30	1,408.47
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	889.19	
26 24 13 00-0275	EA	Shunt Trip, Factory Installed	389.84	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0276	EA	Groundfault Trip Complete Interrupting Circuit, Factory Installed	90.24	
26 24 13 00-0277 Switchboard Branch Breaker 480 Volt (26 24 13 00-0240)				
26 24 13 00-0278	EA	60 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker.....	608.56	85.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	51.03	
26 24 13 00-0279	EA	100 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker.....	716.55	112.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	67.72	
26 24 13 00-0280	EA	225 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker.....	2,087.84	169.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	102.01	
26 24 13 00-0281	EA	400 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker.....	2,760.91	213.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	127.95	
26 24 13 00-0282	EA	600 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker.....	3,338.87	286.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	171.60	
26 24 13 00-0283	EA	800 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker.....	4,030.19	366.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	220.07	
26 24 13 00-0284	EA	1,000 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker.....	6,485.49	558.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	335.35	
26 24 13 00-0285	EA	1,200 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker.....	6,485.49	558.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	335.35	
26 24 13 00-0286	EA	1,600 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker.....	9,096.45	782.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	469.49	
26 24 13 00-0287	EA	2,000 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker.....	11,330.47	1,173.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	704.24	
26 24 13 00-0288 Switchboard 277/480 Volt Main Breaker (26 24 13 00-0240)				
26 24 13 00-0289	EA	400 Amperes, 277/480 Volt, Main Breaker, Switchboard	7,378.65	509.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	305.66	
26 24 13 00-0290	EA	600 Amperes, 277/480 Volt, Main Breaker, Switchboard	7,475.50	557.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	334.71	
26 24 13 00-0291	EA	800 Amperes, 277/480 Volt, Main Breaker, Switchboard	8,036.54	838.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	503.03	
26 24 13 00-0292	EA	1,200 Amperes, 277/480 Volt, Main Breaker, Switchboard	13,772.63	1,173.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	704.24	
26 24 13 00-0293	EA	1,600 Amperes, 277/480 Volt, Main Breaker, Switchboard	14,021.91	1,298.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	779.02	
26 24 13 00-0294	EA	2,000 Amperes, 277/480 Volt, Main Breaker, Switchboard	18,448.65	2,328.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,397.29	
26 24 13 00-0295 Branch Or Distribution Devices (26 24 13)				
26 24 13 00-0296 3 Pole, Panel Mounted, Molded Case Circuit Breakers (26 24 13 00-0295)				
Note: Includes certified refurbished circuit breakers.				
26 24 13 00-0297	EA	15 To 60 Amperes, 600 Volt, Type EHB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	658.97	42.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.17	
26 24 13 00-0298	EA	70 To 100 Amperes, 600 Volt, Type EHB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	662.67	52.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.21	
26 24 13 00-0299	EA	125 To 150 Amperes, 600 Volt, Type FB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	1,612.42	63.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	42.26	
26 24 13 00-0300	EA	70 To 225 Amperes, 600 Volt, Type JDB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker.....	2,340.95	82.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	54.58	
26 24 13 00-0301	EA	125 To 400 Amperes, 600 Volt, Type LBB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker.....	3,304.35	101.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	67.61	
26 24 13 00-0302	EA	300 To 600 Amperes, 600 Volt, Type LC, 3 Pole, Panel Mounted, Molded Case Circuit Breaker.....	4,331.80	118.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	79.22	
26 24 13 00-0303	EA	900 To 1,000 Amperes, 600 Volt, Type NB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker.....	6,625.86	133.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	89.44	
26 24 13 00-0304 2 Pole, Panel Mounted, Molded Case Circuit Breakers (26 24 13 00-0295)				
Note: Includes certified refurbished circuit breakers.				
26 24 13 00-0305	EA	15 To 60 Amperes, 600 Volt, Type EHB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker	453.33	31.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.13	
26 24 13 00-0306	EA	70 To 100 Amperes, 600 Volt, Type EHB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker	582.03	42.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.17	
26 24 13 00-0307	EA	125 To 150 Amperes, 600 Volt, Type FB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker	1,609.59	52.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.21	
26 24 13 00-0308	EA	70 To 225 Amperes, 600 Volt, Type JDB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker.....	2,557.38	58.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.73	
26 24 13 00-0309	EA	125 To 400 Amperes, 600 Volt, Type LBB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker.....	2,698.24	76.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	51.06	
26 24 13 00-0310	EA	900 To 1,000 Amperes, 600 Volt, Type NB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker.....	6,132.73	110.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	73.94	
26 24 13 00-0311 Meter Devices And Instrumentation (26 24 13)				
Note: Factory installed accessories.				
26 24 13 00-0312 Compartments For Instrument Transformers And Metering Devices (26 24 13 00-0311)				
26 24 13 00-0313	EA	Compartment For, Up To 800 Amperes, Primary Current Transformer	471.06	
26 24 13 00-0314	EA	Compartment For, 1,000 To 1,500 Amperes, Primary Current Transformer.....	680.42	
26 24 13 00-0315	EA	Compartment For, 2,000 To 6,000 Amperes, Primary Current Transformer.....	801.35	
26 24 13 00-0316 Instruments (26 24 13 00-0311)				

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 24 13 00-0317	EA	AC Voltmeter	642.52	
26 24 13 00-0318	EA	AC Ammeter	642.52	
26 24 13 00-0319	EA	AC Wattmeter	1,716.40	
26 24 13 00-0320	EA	Variometer	1,938.39	
26 24 13 00-0321	EA	Power Factor Meter	1,548.55	
26 24 13 00-0322	EA	Frequency Meter	1,709.18	
26 24 13 00-0323	EA	200 Volt-Amperes Max Potential Transformer	577.55	
26 24 13 00-0324	EA	AC Watt-hour Meter Indicating 1 Or 2 Element With Test Block And Plug Block	2,174.82	
26 24 13 00-0325	EA	AC Watt-hour Meter Recording 2 Element With Recording KW Demand Type R-2	3,638.55	
26 24 13 00-0326	EA	Weatherproof, Modify Meter	3,463.11	
26 24 13 00-0327	EA	Control Switch Resistor Type 130 V	80.02	
26 24 13 00-0328	EA	Metering Instrument: Voltage, Amperes And Watt Hour	4,389.00	

26 24 16 Panelboards (26 24)**26 24 16 00-0001 Branch Circuit Panelboard** (26 24 16)

Note: Includes wiring connections, drilling hole (or removing knock-out on residential units), labeling and testing. All NEMA 3R panelboards include weatherproof hubs. Copper bussing. Panelboards with less than a 30 circuit capacity do not have the door in a door trim front option.

26 24 16 00-0002 Assembled Lighting And Power Panelboards (26 24 16 00-0001)

Note: Includes main lugs or breaker (as indicated), 20 Amp, 1 pole branch circuit plug-on breakers (the number of which is indicated). Panelboard box, trim and connection of main service cable from meter.

26 24 16 00-0003 120/240 Volt, 3 Wire, 1 Phase, Main Lugs Assembled Panelboards (26 24 16 00-0002)

26 24 16 00-0004	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers	1,295.43	334.51
		For NEMA 3R Panelboard, Add	1,579.99	
26 24 16 00-0005	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	1,471.06	334.51
		For NEMA 3R Panelboard, Add	1,579.99	
26 24 16 00-0006	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	1,669.28	463.62
		For NEMA 3R Panelboard, Add	1,579.99	
26 24 16 00-0007	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	1,870.52	463.62
		For NEMA 3R Panelboard, Add	1,579.99	
26 24 16 00-0008	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	2,059.38	581.00
		For NEMA 3R Panelboard, Add	1,579.99	
26 24 16 00-0009	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers	2,253.18	581.00
		For NEMA 3R Panelboard, Add	1,579.99	
26 24 16 00-0010	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	2,440.60	669.02
		For NEMA 3R Panelboard, Add	1,579.99	
26 24 16 00-0011	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	2,929.14	856.82
		For NEMA 3R Panelboard, Add	1,737.56	
		For Door-In-Door (Hinged) Trim Front, Add	126.97	
26 24 16 00-0012	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers	3,081.48	856.82
		For NEMA 3R Panelboard, Add	1,737.56	
		For Door-In-Door (Hinged) Trim Front, Add	126.97	
26 24 16 00-0013	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers	3,232.16	980.06
		For NEMA 3R Panelboard, Add	1,737.56	
		For Door-In-Door (Hinged) Trim Front, Add	126.97	
26 24 16 00-0014	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	3,475.70	980.06
		For NEMA 3R Panelboard, Add	2,052.47	
		For Door-In-Door (Hinged) Trim Front, Add	216.84	
26 24 16 00-0015	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	3,626.27	1,103.30
		For NEMA 3R Panelboard, Add	2,052.47	
		For Door-In-Door (Hinged) Trim Front, Add	216.84	
26 24 16 00-0016	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	3,848.99	1,103.30
		For NEMA 3R Panelboard, Add	2,052.47	
		For Door-In-Door (Hinged) Trim Front, Add	216.84	
26 24 16 00-0017	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	3,984.08	1,220.67
		For NEMA 3R Panelboard, Add	2,052.47	
		For Door-In-Door (Hinged) Trim Front, Add	216.84	
26 24 16 00-0018	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	4,209.47	1,220.67
		For NEMA 3R Panelboard, Add	2,052.47	
		For Door-In-Door (Hinged) Trim Front, Add	216.84	
26 24 16 00-0019	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	4,415.19	1,349.78
		For NEMA 3R Panelboard, Add	2,052.47	
		For Door-In-Door (Hinged) Trim Front, Add	216.84	
26 24 16 00-0020	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	4,558.79	1,349.78
		For NEMA 3R Panelboard, Add	2,136.20	
		For Door-In-Door (Hinged) Trim Front, Add	277.14	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0021	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,764.65 2,136.20 277.14	1,349.78
26 24 16 00-0022 120/240 Volt, 3 Wire, 1 Phase, Main Breaker Assembled Panelboards (26 24 16 00-0002)				
26 24 16 00-0023	EA	50 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Up To 50 Ampere Main Breaker, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i>	1,542.21 1,579.99	322.78
26 24 16 00-0024	EA	50 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Up To 50 Ampere Main Breaker, 12 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i>	1,720.37 1,579.99	322.78
26 24 16 00-0025	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i>	2,128.11 1,579.99	551.65
26 24 16 00-0026	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i>	2,414.24 1,579.99	551.65
26 24 16 00-0027	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i>	2,606.97 1,579.99	674.89
26 24 16 00-0028	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i>	2,807.69 1,579.99	674.89
26 24 16 00-0029	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i>	2,986.41 1,579.99	809.87
26 24 16 00-0030	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,615.25 1,737.56 126.97	809.87
26 24 16 00-0031	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,774.02 1,737.56 126.97	991.79
26 24 16 00-0032	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,946.09 1,737.56 126.97	991.79
26 24 16 00-0033	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,134.16 2,052.47 216.84	1,115.04
26 24 16 00-0034	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,287.46 2,052.47 216.84	1,115.04
26 24 16 00-0035	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,450.65 2,052.47 216.84	1,220.67
26 24 16 00-0036	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,625.20 2,052.47 216.84	1,220.67
26 24 16 00-0037	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,812.97 2,052.47 216.84	1,443.68
26 24 16 00-0038	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,016.26 2,052.47 216.84	1,443.68
26 24 16 00-0039	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,237.85 2,136.20 277.14	1,443.68
26 24 16 00-0040	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,376.05 2,136.20 277.14	1,525.84
26 24 16 00-0041 120/208 Volt, 4 Wire, 3 Phase, Main Lugs Assembled Panelboards (26 24 16 00-0002)				
26 24 16 00-0042	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i>	1,565.65 1,579.99	381.46
26 24 16 00-0043	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i>	1,755.76 1,579.99	381.46
26 24 16 00-0044	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i>	1,971.84 1,579.99	510.57
26 24 16 00-0045	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i>	2,199.28 1,579.99	510.57

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 24 16 00-0046	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers.....	2,402.89	627.94
		<i>For NEMA 3R Panelboard, Add</i>	1,579.99	
26 24 16 00-0047	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers.....	2,620.26	627.94
		<i>For NEMA 3R Panelboard, Add</i>	1,579.99	
26 24 16 00-0048	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers.....	2,825.29	745.31
		<i>For NEMA 3R Panelboard, Add</i>	1,579.99	
26 24 16 00-0049	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers.....	3,036.32	745.31
		<i>For NEMA 3R Panelboard, Add</i>	1,737.56	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	126.97	
26 24 16 00-0050	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers.....	3,233.53	874.43
		<i>For NEMA 3R Panelboard, Add</i>	1,737.56	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	126.97	
26 24 16 00-0051	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers.....	3,460.67	874.43
		<i>For NEMA 3R Panelboard, Add</i>	1,737.56	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	126.97	
26 24 16 00-0052	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers.....	3,691.23	1,009.40
		<i>For NEMA 3R Panelboard, Add</i>	1,737.56	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	126.97	
26 24 16 00-0053	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers.....	3,918.31	1,009.40
		<i>For NEMA 3R Panelboard, Add</i>	1,737.56	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	126.97	
26 24 16 00-0054	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers.....	4,369.29	1,220.67
		<i>For NEMA 3R Panelboard, Add</i>	2,052.47	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	216.84	
26 24 16 00-0055	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers.....	4,522.01	1,220.67
		<i>For NEMA 3R Panelboard, Add</i>	2,052.47	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	216.84	
26 24 16 00-0056	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	4,787.42	1,355.64
		<i>For NEMA 3R Panelboard, Add</i>	2,052.47	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	216.84	
26 24 16 00-0057	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers.....	5,026.90	1,355.64
		<i>For NEMA 3R Panelboard, Add</i>	2,052.47	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	216.84	
26 24 16 00-0058	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers.....	5,197.50	1,478.89
		<i>For NEMA 3R Panelboard, Add</i>	2,136.20	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	277.14	
26 24 16 00-0059	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	5,435.31	1,478.89
		<i>For NEMA 3R Panelboard, Add</i>	2,136.20	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	277.14	
26 24 16 00-0060	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers.....	5,302.19	1,312.23
		<i>For NEMA 3R Panelboard, Add</i>	2,052.47	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	216.84	
26 24 16 00-0061	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers.....	5,470.78	1,379.13
		<i>For NEMA 3R Panelboard, Add</i>	2,052.47	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	216.84	
26 24 16 00-0062	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	5,747.90	1,452.49
		<i>For NEMA 3R Panelboard, Add</i>	2,052.47	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	216.84	
26 24 16 00-0063	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers.....	6,005.03	1,537.58
		<i>For NEMA 3R Panelboard, Add</i>	2,052.47	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	216.84	
26 24 16 00-0064	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers.....	6,185.87	1,584.53
		<i>For NEMA 3R Panelboard, Add</i>	2,136.20	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	277.14	
26 24 16 00-0065	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	6,475.17	1,681.36
		<i>For NEMA 3R Panelboard, Add</i>	2,136.20	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	277.14	
26 24 16 00-0066		120/208 Volt, 4 Wire, 3 Phase, Main Breaker Assembled Panelboards ^{26 24 16 00-0002)}		
26 24 16 00-0067	EA	50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers.....	1,870.83	369.72
		<i>For NEMA 3R Panelboard, Add</i>	1,579.99	
26 24 16 00-0068	EA	50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers.....	2,063.32	369.72
		<i>For NEMA 3R Panelboard, Add</i>	1,579.99	
26 24 16 00-0069	EA	50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers.....	2,293.07	487.09
		<i>For NEMA 3R Panelboard, Add</i>	1,579.99	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0070	EA	50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	2,615.32	487.09
		For NEMA 3R Panelboard, Add	1,579.99	
26 24 16 00-0071	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	3,080.73	733.57
		For NEMA 3R Panelboard, Add	1,579.99	
26 24 16 00-0072	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers	3,279.89	733.57
		For NEMA 3R Panelboard, Add	1,579.99	
26 24 16 00-0073	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	3,495.04	856.82
		For NEMA 3R Panelboard, Add	1,579.99	
26 24 16 00-0074	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	3,673.63	856.82
		For NEMA 3R Panelboard, Add	1,737.56	
		For Door-In-Door (Hinged) Trim Front, Add	126.97	
26 24 16 00-0075	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers	3,915.33	991.79
		For NEMA 3R Panelboard, Add	1,737.56	
		For Door-In-Door (Hinged) Trim Front, Add	126.97	
26 24 16 00-0076	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers	4,079.40	991.79
		For NEMA 3R Panelboard, Add	1,737.56	
		For Door-In-Door (Hinged) Trim Front, Add	126.97	
26 24 16 00-0077	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	4,347.86	1,115.04
		For NEMA 3R Panelboard, Add	1,737.56	
		For Door-In-Door (Hinged) Trim Front, Add	126.97	
26 24 16 00-0078	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	4,578.80	1,115.04
		For NEMA 3R Panelboard, Add	1,737.56	
		For Door-In-Door (Hinged) Trim Front, Add	126.97	
26 24 16 00-0079	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	5,386.92	1,291.10
		For NEMA 3R Panelboard, Add	2,052.47	
		For Door-In-Door (Hinged) Trim Front, Add	216.84	
26 24 16 00-0080	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	5,623.91	1,361.52
		For NEMA 3R Panelboard, Add	2,052.47	
		For Door-In-Door (Hinged) Trim Front, Add	216.84	
26 24 16 00-0081	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	5,723.92	1,361.52
		For NEMA 3R Panelboard, Add	2,052.47	
		For Door-In-Door (Hinged) Trim Front, Add	216.84	
26 24 16 00-0082	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	5,989.51	1,537.58
		For NEMA 3R Panelboard, Add	2,052.47	
		For Door-In-Door (Hinged) Trim Front, Add	216.84	
26 24 16 00-0083	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	6,176.12	1,537.58
		For NEMA 3R Panelboard, Add	2,136.20	
		For Door-In-Door (Hinged) Trim Front, Add	277.14	
26 24 16 00-0084	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	6,297.11	1,537.58
		For NEMA 3R Panelboard, Add	2,136.20	
		For Door-In-Door (Hinged) Trim Front, Add	277.14	
26 24 16 00-0085	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	6,346.92	1,414.34
		For NEMA 3R Panelboard, Add	2,052.47	
		For Door-In-Door (Hinged) Trim Front, Add	216.84	
26 24 16 00-0086	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	6,605.61	1,496.50
		For NEMA 3R Panelboard, Add	2,052.47	
		For Door-In-Door (Hinged) Trim Front, Add	216.84	
26 24 16 00-0087	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	6,708.89	1,537.58
		For NEMA 3R Panelboard, Add	2,052.47	
		For Door-In-Door (Hinged) Trim Front, Add	216.84	
26 24 16 00-0088	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	6,995.28	1,631.47
		For NEMA 3R Panelboard, Add	2,052.47	
		For Door-In-Door (Hinged) Trim Front, Add	216.84	
26 24 16 00-0089	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	7,180.72	1,678.42
		For NEMA 3R Panelboard, Add	2,136.20	
		For Door-In-Door (Hinged) Trim Front, Add	277.14	
26 24 16 00-0090	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	7,354.44	1,737.11
		For NEMA 3R Panelboard, Add	2,136.20	
		For Door-In-Door (Hinged) Trim Front, Add	277.14	
26 24 16 00-0091		480 Volt, 3 Wire, 3 Phase, Main Lugs Assembled Panelboards (26 24 16 00-0002)		
26 24 16 00-0092	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers	1,771.81	375.59
		For NEMA 3R Panelboard, Add	1,579.99	
26 24 16 00-0093	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	2,023.80	375.59
		For NEMA 3R Panelboard, Add	1,579.99	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 24 16 00-0094	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	2,265.71	516.44
		<i>For NEMA 3R Panelboard, Add</i>	1,579.99	
26 24 16 00-0095	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	2,517.67	516.44
		<i>For NEMA 3R Panelboard, Add</i>	1,579.99	
26 24 16 00-0096	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	2,753.20	645.54
		<i>For NEMA 3R Panelboard, Add</i>	1,579.99	
26 24 16 00-0097	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers	3,000.94	645.54
		<i>For NEMA 3R Panelboard, Add</i>	1,579.99	
26 24 16 00-0098	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	3,259.13	780.52
		<i>For NEMA 3R Panelboard, Add</i>	1,579.99	
26 24 16 00-0099	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	3,496.42	780.52
		<i>For NEMA 3R Panelboard, Add</i>	1,737.56	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	126.97	
26 24 16 00-0100	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers	3,756.51	927.24
		<i>For NEMA 3R Panelboard, Add</i>	1,737.56	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	126.97	
26 24 16 00-0101	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers	4,007.88	927.24
		<i>For NEMA 3R Panelboard, Add</i>	1,737.56	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	126.97	
26 24 16 00-0102	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	4,239.64	1,056.35
		<i>For NEMA 3R Panelboard, Add</i>	1,737.56	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	126.97	
26 24 16 00-0103	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	4,487.38	1,056.35
		<i>For NEMA 3R Panelboard, Add</i>	1,737.56	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	126.97	
26 24 16 00-0104	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	5,013.78	1,285.22
		<i>For NEMA 3R Panelboard, Add</i>	2,052.47	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	216.84	
26 24 16 00-0105	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	5,261.23	1,285.22
		<i>For NEMA 3R Panelboard, Add</i>	2,052.47	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	216.84	
26 24 16 00-0106	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	5,524.20	1,408.47
		<i>For NEMA 3R Panelboard, Add</i>	2,052.47	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	216.84	
26 24 16 00-0107	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	5,718.28	1,408.47
		<i>For NEMA 3R Panelboard, Add</i>	2,052.47	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	216.84	
26 24 16 00-0108	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	6,009.97	1,555.18
		<i>For NEMA 3R Panelboard, Add</i>	2,136.20	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	277.14	
26 24 16 00-0109	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	6,220.46	1,555.18
		<i>For NEMA 3R Panelboard, Add</i>	2,136.20	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	277.14	

26 24 16 00-0110 480 Volt, 3 Wire, 3 Phase, Main Breaker Assembled Panelboards (26 24 16 00-0002)

26 24 16 00-0111	EA	50 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Up To 50 Amp Main Breaker, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers	2,257.25	399.06
		<i>For NEMA 3R Panelboard, Add</i>	1,579.99	
26 24 16 00-0112	EA	50 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Up To 50 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	2,503.68	434.28
		<i>For NEMA 3R Panelboard, Add</i>	1,579.99	
26 24 16 00-0113	EA	50 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Up To 50 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	2,752.73	539.91
		<i>For NEMA 3R Panelboard, Add</i>	1,579.99	
26 24 16 00-0114	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	3,306.61	657.28
		<i>For NEMA 3R Panelboard, Add</i>	1,579.99	
26 24 16 00-0115	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	3,543.82	727.71
		<i>For NEMA 3R Panelboard, Add</i>	1,579.99	
26 24 16 00-0116	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Amp Main Breaker, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers	3,760.41	786.40
		<i>For NEMA 3R Panelboard, Add</i>	1,579.99	
26 24 16 00-0117	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	3,998.69	856.82
		<i>For NEMA 3R Panelboard, Add</i>	1,579.99	
26 24 16 00-0118	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	4,228.13	927.24
		<i>For NEMA 3R Panelboard, Add</i>	1,737.56	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	126.97	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0119	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,438.41 1,737.56 126.97	985.93
26 24 16 00-0120	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,663.71 1,737.56 126.97	1,044.61
26 24 16 00-0121	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,907.16 1,737.56 126.97	1,115.04
26 24 16 00-0122	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,172.85 1,737.56 126.97	1,203.07
26 24 16 00-0123	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	6,525.98 2,052.47 216.84	1,338.04
26 24 16 00-0124	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	6,780.91 2,052.47 216.84	1,420.20
26 24 16 00-0125	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	6,963.40 2,052.47 216.84	1,455.41
26 24 16 00-0126	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	7,249.52 2,052.47 216.84	1,549.32
26 24 16 00-0127	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	7,449.80 2,136.20 277.14	1,608.00
26 24 16 00-0128	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	7,657.35 2,136.20 277.14	1,658.47
26 24 16 00-0129		277/480 Volt, 4 Wire, 3 Phase, Main Lugs Assembled Panelboards (26 24 16 00-0002)		
26 24 16 00-0130	EA	100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i>	2,160.30 1,579.99	410.81
26 24 16 00-0131	EA	100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i>	2,442.55 1,579.99	410.81
26 24 16 00-0132	EA	100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i>	2,717.68 1,579.99	545.79
26 24 16 00-0133	EA	100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i>	2,995.00 1,579.99	545.79
26 24 16 00-0134	EA	100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i>	3,276.72 1,579.99	674.89
26 24 16 00-0135	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i>	3,552.75 1,579.99	674.89
26 24 16 00-0136	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i>	3,833.20 1,579.99	809.87
26 24 16 00-0137	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,112.51 1,737.56 126.97	809.87
26 24 16 00-0138	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,417.05 1,737.56 126.97	950.71
26 24 16 00-0139	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,673.26 1,737.56 126.97	950.71
26 24 16 00-0140	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,943.57 1,737.56 126.97	956.58
26 24 16 00-0141	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 32 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,230.92 1,737.56 126.97	956.58
26 24 16 00-0142	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,956.83 2,052.47 216.84	1,326.31

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 24 16 00-0143	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	6,250.87	1,326.31
		<i>For NEMA 3R Panelboard, Add</i>	2,052.47	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	216.84	
26 24 16 00-0144	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	6,479.57	1,396.73
		<i>For NEMA 3R Panelboard, Add</i>	2,052.47	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	216.84	
26 24 16 00-0145	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	6,799.99	1,490.62
		<i>For NEMA 3R Panelboard, Add</i>	2,052.47	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	216.84	
26 24 16 00-0146	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	7,043.66	1,490.62
		<i>For NEMA 3R Panelboard, Add</i>	2,136.20	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	277.14	
26 24 16 00-0147	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	7,398.48	1,631.47
		<i>For NEMA 3R Panelboard, Add</i>	2,136.20	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	277.14	

26 24 16 00-0148 277/480 Volt, 4 Wire, 3 Phase, Main Breaker Assembled Panelboards (26 24 16 00-0002)

26 24 16 00-0149	EA	50 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers	2,806.34	504.70
		<i>For NEMA 3R Panelboard, Add</i>	1,579.99	
26 24 16 00-0150	EA	50 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	3,095.11	504.70
		<i>For NEMA 3R Panelboard, Add</i>	1,579.99	
26 24 16 00-0151	EA	50 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	3,373.27	669.02
		<i>For NEMA 3R Panelboard, Add</i>	1,579.99	
26 24 16 00-0152	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	4,016.62	669.02
		<i>For NEMA 3R Panelboard, Add</i>	1,579.99	
26 24 16 00-0153	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	4,283.86	845.08
		<i>For NEMA 3R Panelboard, Add</i>	1,579.99	
26 24 16 00-0154	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers	4,550.67	845.08
		<i>For NEMA 3R Panelboard, Add</i>	1,579.99	
26 24 16 00-0155	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	4,808.65	968.32
		<i>For NEMA 3R Panelboard, Add</i>	1,579.99	
26 24 16 00-0156	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	5,047.46	968.32
		<i>For NEMA 3R Panelboard, Add</i>	1,737.56	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	126.97	
26 24 16 00-0157	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers	5,301.29	1,103.30
		<i>For NEMA 3R Panelboard, Add</i>	1,737.56	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	126.97	
26 24 16 00-0158	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers	5,573.26	1,103.30
		<i>For NEMA 3R Panelboard, Add</i>	1,737.56	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	126.97	
26 24 16 00-0159	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	5,807.87	1,220.67
		<i>For NEMA 3R Panelboard, Add</i>	1,737.56	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	126.97	
26 24 16 00-0160	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	6,053.85	1,220.67
		<i>For NEMA 3R Panelboard, Add</i>	1,737.56	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	126.97	
26 24 16 00-0161	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	7,936.77	1,443.68
		<i>For NEMA 3R Panelboard, Add</i>	2,052.47	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	216.84	
26 24 16 00-0162	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	8,234.53	1,443.68
		<i>For NEMA 3R Panelboard, Add</i>	2,052.47	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	216.84	
26 24 16 00-0163	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	8,455.54	1,578.65
		<i>For NEMA 3R Panelboard, Add</i>	2,052.47	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	216.84	
26 24 16 00-0164	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	8,787.72	1,578.65
		<i>For NEMA 3R Panelboard, Add</i>	2,052.47	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	216.84	
26 24 16 00-0165	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	9,028.55	1,725.37
		<i>For NEMA 3R Panelboard, Add</i>	2,136.20	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	277.14	
26 24 16 00-0166	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	9,277.39	1,725.37
		<i>For NEMA 3R Panelboard, Add</i>	2,136.20	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	277.14	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0167	EA	400 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	11,025.75 2,136.20 277.14	1,921.39
26 24 16 00-0168	EA	600 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >400 To 600 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	13,424.55 2,136.20 277.14	2,306.36
26 24 16 00-0169		Unassembled Lighting And Power Panelboards (26 24 16 00-0001) Note: Includes the main device (lugs or breaker), connection of main service cable from meter and that portion of the panel box, trim and interior occupied by that device. Spaces include that portion of the panel box, trim and interior reserved by that space. The maximum single pole capacity of the panelboard main device (lugs, breakers) is indicated. Excludes branch breakers. A complete panelboard will be the sum of main device and the branch circuit breakers and spaces (within the capacity of the main device). See CSI section 26 28 16 13-0001 for circuit breakers.		
26 24 16 00-0170		240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards (26 24 16 00-0169) Note: As manufactured by Square D or equal. Accepts plug-on and bolt-on breakers.		
26 24 16 00-0171		Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards (26 24 16 00-0170)		
26 24 16 00-0172	EA	100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	694.34	
26 24 16 00-0173	EA	100 Ampere Rating, 20 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	798.09	
26 24 16 00-0174	EA	225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,083.10	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	126.97	
26 24 16 00-0175	EA	225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,249.41	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	216.84	
26 24 16 00-0176	EA	225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,413.14	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	277.14	
26 24 16 00-0177	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,578.79	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	126.97	
26 24 16 00-0178	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,713.42	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	216.84	
26 24 16 00-0179	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,875.52	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	277.14	
26 24 16 00-0180	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,026.68	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	126.97	
26 24 16 00-0181	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,160.35	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	216.84	
26 24 16 00-0182	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,357.60	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	277.14	
26 24 16 00-0183		Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards (26 24 16 00-0170)		
26 24 16 00-0184	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,031.89	
26 24 16 00-0185	EA	100 Ampere Rating, 20 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,167.79	
26 24 16 00-0186	EA	225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,868.29	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	126.97	
26 24 16 00-0187	EA	225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,072.80	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	216.84	
26 24 16 00-0188	EA	225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,264.29	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	277.14	
26 24 16 00-0189	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	3,952.37	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	126.97	
26 24 16 00-0190	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	4,178.50	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	216.84	
26 24 16 00-0191	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	4,383.71	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	277.14	
26 24 16 00-0192		Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards (26 24 16 00-0170)		
26 24 16 00-0193	EA	100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,414.01	
26 24 16 00-0194	EA	100 Ampere Rating, 20 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,509.53	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT
 UNIT COST
 DEMOLITION
 UNIT COST

26 24 16 00-0195	EA	225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,777.41	
26 24 16 00-0196	EA	225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,940.29	
26 24 16 00-0197	EA	225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,091.00	
26 24 16 00-0198	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,389.62	
26 24 16 00-0199	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,515.33	
26 24 16 00-0200	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,669.21	
26 24 16 00-0201	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,883.43	
26 24 16 00-0202	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	3,012.18	
26 24 16 00-0203	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	3,196.69	

26 24 16 00-0204 Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards

(26 24 16 00-0170)

26 24 16 00-0205	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,743.33	
26 24 16 00-0206	EA	100 Ampere Rating, 20 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,870.32	
26 24 16 00-0207	EA	225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,695.57	
26 24 16 00-0208	EA	225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,883.62	
26 24 16 00-0209	EA	225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	3,062.78	
26 24 16 00-0210	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	4,733.72	
26 24 16 00-0211	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	4,951.62	
26 24 16 00-0212	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	5,154.78	

26 24 16 00-0213 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards

(26 24 16 00-0169)

Note: As manufactured by Square D or equal. Accepts plug-on and bolt-on breakers

26 24 16 00-0214 Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards

(26 24 16 00-0213)

26 24 16 00-0215	EA	100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	781.91	
26 24 16 00-0216	EA	100 Ampere Rating, 24 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	918.94	
26 24 16 00-0217	EA	100 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,033.12	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	126.97	
26 24 16 00-0218	EA	225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,167.00	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	126.97	
26 24 16 00-0219	EA	225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,342.80	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	216.84	
26 24 16 00-0220	EA	225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,486.39	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	277.14	
26 24 16 00-0221	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,713.49	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	126.97	
26 24 16 00-0222	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,845.61	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	216.84	
26 24 16 00-0223	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,991.08	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	277.14	
26 24 16 00-0224	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,176.43	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	126.97	
26 24 16 00-0225	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,403.72	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	216.84	
26 24 16 00-0226	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,848.25	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	277.14	

26 24 16 00-0227 Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards

(26 24 16 00-0213)

26 24 16 00-0228	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,210.64	
26 24 16 00-0229	EA	100 Ampere Rating, 24 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,364.96	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0230 EA 100 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard <i>For Door-In-Door (Hinged) Trim Front, Add</i>	1,559.86 126.97	
26 24 16 00-0231 EA 225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard <i>For Door-In-Door (Hinged) Trim Front, Add</i>	2,317.63 126.97	
26 24 16 00-0232 EA 225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard <i>For Door-In-Door (Hinged) Trim Front, Add</i>	2,508.83 216.84	
26 24 16 00-0233 EA 225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard <i>For Door-In-Door (Hinged) Trim Front, Add</i>	2,685.15 277.14	
26 24 16 00-0234 EA 400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,724.31 126.97	
26 24 16 00-0235 EA 400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,933.75 216.84	
26 24 16 00-0236 EA 400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,107.88 277.14	
26 24 16 00-0237 Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards (26 24 16 00-0213)		
26 24 16 00-0238 EA 100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,501.58	
26 24 16 00-0239 EA 100 Ampere Rating, 24 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,630.38	
26 24 16 00-0240 EA 100 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,735.66	
26 24 16 00-0241 EA 225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,861.30	
26 24 16 00-0242 EA 225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,033.68	
26 24 16 00-0243 EA 225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,164.25	
26 24 16 00-0244 EA 400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,524.31	
26 24 16 00-0245 EA 400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,647.52	
26 24 16 00-0246 EA 400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,784.77	
26 24 16 00-0247 EA 600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,033.18	
26 24 16 00-0248 EA 600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,244.71	
26 24 16 00-0249 EA 600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,689.23	
26 24 16 00-0250 Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards (26 24 16 00-0213)		
26 24 16 00-0251 EA 100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,922.08	
26 24 16 00-0252 EA 100 Ampere Rating, 24 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,067.49	
26 24 16 00-0253 EA 100 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,257.59	
26 24 16 00-0254 EA 225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,144.90	
26 24 16 00-0255 EA 225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,319.65	
26 24 16 00-0256 EA 225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,483.64	
26 24 16 00-0257 EA 400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	5,224.23	
26 24 16 00-0258 EA 400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	5,440.80	
26 24 16 00-0259 EA 400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	5,626.99	
26 24 16 00-0260 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards (26 24 16 00-0169) Note: As manufactured by Square D or equal.		
26 24 16 00-0261 Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards (26 24 16 00-0260)		
26 24 16 00-0262 EA 125 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,126.01	
26 24 16 00-0263 EA 125 Ampere Rating, 18 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,234.27	
26 24 16 00-0264 EA 250 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard <i>For Door-In-Door (Hinged) Trim Front, Add</i>	1,701.57 126.97	
26 24 16 00-0265 EA 250 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard <i>For Door-In-Door (Hinged) Trim Front, Add</i>	1,895.97 216.84	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**
 MINOR
CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 24 16 00-0266	EA	250 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,063.97
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	277.14
26 24 16 00-0267	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,053.92
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	126.97
26 24 16 00-0268	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,162.95
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	216.84
26 24 16 00-0269	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,348.82
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	277.14
26 24 16 00-0270	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,466.80
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	126.97
26 24 16 00-0271	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,643.97
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	216.84
26 24 16 00-0272	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,886.12
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	277.14

26 24 16 00-0273 Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards
(26 24 16 00-0260)

26 24 16 00-0274	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,316.42
26 24 16 00-0275	EA	100 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,389.64
26 24 16 00-0276	EA	125 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,593.70
26 24 16 00-0277	EA	125 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,731.36
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	126.97
26 24 16 00-0278	EA	125 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,002.00
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	216.84
26 24 16 00-0279	EA	250 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,902.64
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	126.97
26 24 16 00-0280	EA	250 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,072.65
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	216.84
26 24 16 00-0281	EA	250 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,291.03
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	277.14
26 24 16 00-0282	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,421.24
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	126.97
26 24 16 00-0283	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,646.10
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	216.84
26 24 16 00-0284	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,850.95
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	277.14

26 24 16 00-0285 Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards
(26 24 16 00-0260)

26 24 16 00-0286	EA	125 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,821.00
26 24 16 00-0287	EA	125 Ampere Rating, 18 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,929.26
26 24 16 00-0288	EA	250 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,380.11
26 24 16 00-0289	EA	250 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,693.77
26 24 16 00-0290	EA	250 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,848.07
26 24 16 00-0291	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,838.02
26 24 16 00-0292	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,926.48
26 24 16 00-0293	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,082.88
26 24 16 00-0294	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,269.40
26 24 16 00-0295	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,429.76
26 24 16 00-0296	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,635.77

26 24 16 00-0297 Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards
(26 24 16 00-0260)

26 24 16 00-0298	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,159.46
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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0299	EA	100 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,232.67	
26 24 16 00-0300	EA	125 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,278.41	
26 24 16 00-0301	EA	125 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,409.91	
26 24 16 00-0302	EA	125 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,799.80	
26 24 16 00-0303	EA	250 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,686.73	
26 24 16 00-0304	EA	250 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,836.19	
26 24 16 00-0305	EA	250 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	5,025.09	
26 24 16 00-0306	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	5,155.30	
26 24 16 00-0307	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	5,361.29	
26 24 16 00-0308	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	5,563.25	
26 24 16 00-0309		480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards (26 24 16 00-0169) Note: As manufactured by Square D or equal.		
26 24 16 00-0310		Main Lugs, NEMA 1, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards (26 24 16 00-0309)		
26 24 16 00-0311	EA	125 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,172.62	
26 24 16 00-0312	EA	125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,281.56	
26 24 16 00-0313	EA	125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,482.06	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	126.97	
26 24 16 00-0314	EA	250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,770.15	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	126.97	
26 24 16 00-0315	EA	250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,966.04	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	216.84	
26 24 16 00-0316	EA	250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,132.72	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	277.14	
26 24 16 00-0317	EA	400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,144.60	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	126.97	
26 24 16 00-0318	EA	400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,275.35	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	216.84	
26 24 16 00-0319	EA	400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,459.83	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	277.14	
26 24 16 00-0320	EA	600 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,578.08	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	126.97	
26 24 16 00-0321	EA	600 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,756.02	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	216.84	
26 24 16 00-0322	EA	600 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,999.04	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	277.14	
26 24 16 00-0323		Main Breaker, NEMA 1, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards (26 24 16 00-0309)		
26 24 16 00-0324	EA	100 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	2,556.31	
26 24 16 00-0325	EA	100 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	2,630.21	
26 24 16 00-0326	EA	100 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	2,849.43	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	126.97	
26 24 16 00-0327	EA	125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	2,923.45	
26 24 16 00-0328	EA	125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	3,061.69	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	126.97	
26 24 16 00-0329	EA	125 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	3,331.61	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	216.84	
26 24 16 00-0330	EA	250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	4,289.46	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	126.97	
26 24 16 00-0331	EA	250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	4,461.52	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	216.84	
26 24 16 00-0332	EA	250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	4,677.60	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	277.14	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 24 16 00-0333	EA	400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	4,884.76	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	126.97	
26 24 16 00-0334	EA	400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	5,111.81	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	216.84	
26 24 16 00-0335	EA	400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	5,316.50	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	277.14	

26 24 16 00-0336 Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards
(26 24 16 00-0309)

26 24 16 00-0337	EA	125 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	1,867.61	
26 24 16 00-0338	EA	125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	1,976.55	
26 24 16 00-0339	EA	125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,166.77	
26 24 16 00-0340	EA	250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,448.69	
26 24 16 00-0341	EA	250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,763.84	
26 24 16 00-0342	EA	250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,916.82	
26 24 16 00-0343	EA	400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,930.75	
26 24 16 00-0344	EA	400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	3,038.88	
26 24 16 00-0345	EA	400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	3,193.89	
26 24 16 00-0346	EA	600 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	3,380.67	
26 24 16 00-0347	EA	600 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	3,541.48	
26 24 16 00-0348	EA	600 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	3,747.49	

26 24 16 00-0349 Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards
(26 24 16 00-0309)

26 24 16 00-0350	EA	100 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	3,234.85	
26 24 16 00-0351	EA	100 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	3,308.75	
26 24 16 00-0352	EA	100 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	3,647.23	
26 24 16 00-0353	EA	125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	3,608.16	
26 24 16 00-0354	EA	125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	3,740.24	
26 24 16 00-0355	EA	125 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	4,129.41	
26 24 16 00-0356	EA	250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	5,073.55	
26 24 16 00-0357	EA	250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	5,225.06	
26 24 16 00-0358	EA	250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	5,411.66	
26 24 16 00-0359	EA	400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	5,618.82	
26 24 16 00-0360	EA	400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	5,826.68	
26 24 16 00-0361	EA	400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	6,027.95	

26 24 16 00-0362 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards
(26 24 16 00-0169)

Note: Square D I-Line or equal.

26 24 16 00-0363 Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards
(26 24 16 00-0362)

26 24 16 00-0364	EA	400 Ampere Rating, 27" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	1,980.15	349.04
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	209.43	
26 24 16 00-0365	EA	400 Ampere Rating, 45" Breaker Mounted Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	2,323.73	348.93
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	209.37	
26 24 16 00-0366	EA	400 Ampere Rating, 63" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	2,582.44	348.93
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	209.37	
26 24 16 00-0367	EA	600 Ampere Rating, 27" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	2,931.40	573.04
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	343.83	
26 24 16 00-0368	EA	600 Ampere Rating, 45" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	3,131.64	573.04
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	343.83	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0369	EA	600 Ampere Rating, 63" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	3,351.37	573.04
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	343.83	
26 24 16 00-0370	EA	800 Ampere Rating, 27" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	3,609.13	761.77
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	457.04	
26 24 16 00-0371	EA	800 Ampere Rating, 45" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	3,801.62	764.01
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	458.44	
26 24 16 00-0372	EA	800 Ampere Rating, 63" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	3,880.25	761.77
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	457.04	
26 24 16 00-0373	EA	800 Ampere Rating, 99" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	4,515.52	761.77
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	457.04	
26 24 16 00-0374	EA	1,200 Ampere Rating, 27" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	5,872.55	1,146.09
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	687.65	
26 24 16 00-0375	EA	1,200 Ampere Rating, 45" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	6,304.92	1,146.09
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	687.65	
26 24 16 00-0376	EA	1,200 Ampere Rating, 63" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	6,658.44	1,146.09
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	687.65	
26 24 16 00-0377	EA	1,200 Ampere Rating, 99" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	7,089.93	1,146.09
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	687.65	
26 24 16 00-0378 Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards (26 24 16 00-0362)				
26 24 16 00-0379	EA	225 Ampere Rating, 36" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	3,852.85	356.43
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	213.85	
26 24 16 00-0380	EA	400 Ampere Rating, 27" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	5,063.19	404.26
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	242.57	
26 24 16 00-0381	EA	400 Ampere Rating, 45" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	5,313.05	404.26
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	242.57	
26 24 16 00-0382	EA	400 Ampere Rating, 81" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	6,048.44	404.26
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	242.57	
26 24 16 00-0383	EA	600 Ampere Rating, 36" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	7,877.50	662.69
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	397.64	
26 24 16 00-0384	EA	600 Ampere Rating, 72" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	8,290.37	664.51
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	398.69	
26 24 16 00-0385	EA	600 Ampere Rating, 72" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	8,630.61	662.69
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	397.64	
26 24 16 00-0386	EA	800 Ampere Rating, 36" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	9,956.05	885.94
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	531.59	
26 24 16 00-0387	EA	800 Ampere Rating, 72" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	10,445.06	882.83
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	529.71	
26 24 16 00-0388	EA	800 Ampere Rating, 72" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	10,932.37	882.83
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	529.71	
26 24 16 00-0389 Residential Lighting And Power Panelboards (26 24 16 00-0001)				
See CSI section 26 28 16 13-0001 for circuit breakers.				
26 24 16 00-0390 Residential Type Unassembled Load Center (26 24 16 00-0389)				
Note: Interior box and cover, includes ground bar kit.				
26 24 16 00-0391 Main Lug Load Center, Single Phase, 3 Wire, 120/240 Volt (26 24 16 00-0390)				
26 24 16 00-0392	EA	30 Ampere Rating, 2 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	160.71	58.68
26 24 16 00-0393	EA	70 Ampere Rating, 4 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	533.90	234.75
26 24 16 00-0394	EA	100 Ampere Rating, 8 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	809.59	335.09
26 24 16 00-0395	EA	125 Ampere Rating, 24 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	1,732.12	704.35
26 24 16 00-0396	EA	150 Ampere Rating, 30 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	1,895.25	762.92
26 24 16 00-0397 Main Lug Load Center, 3 Phase, 4 Wire, 208 Y/120 Volt AC (26 24 16 00-0390)				
Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 Volt AC Delta.				
26 24 16 00-0398	EA	60 Ampere Rating, 3 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard	226.15	64.56
26 24 16 00-0399	EA	125 Ampere Rating, 3 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard	410.91	70.42

26	26	Electrical
	26 20	Low-Voltage Electrical Distribution
	26 24	Switchboards and Panelboards



		MINOR			TOTAL DIRECT	DEMOLITION
		CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 24 16 00-0400				Main Lug Load Center, Single Phase, 3 Wire, 120/240 Volt, Rainproof (26 24 16 00-0390)		
26 24 16 00-0401	EA			40 Ampere Rating, 2 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	230.12	64.56
26 24 16 00-0402	EA			70 Ampere Rating, 4 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	256.89	70.42
26 24 16 00-0403	EA			100 Ampere Rating, 8 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	889.02	335.09
26 24 16 00-0404	EA			150 Ampere Rating, 30 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	2,016.12	762.92
26 24 16 00-0405				Main Lug Load Center, 3 Phase, 4 Wire, 208 Y/120 Volt AC (26 24 16 00-0390)		
				Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 Volt AC Delta, Rainproof.		
26 24 16 00-0406	EA			60 Ampere Rating, 3 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard	286.59	64.56
26 24 16 00-0407	EA			125 Ampere Rating, 20 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard	1,953.31	704.35
26 24 16 00-0408				Main Breaker Load Center, Single Phase, 3 Wire, 120/240 Volt (26 24 16 00-0390)		
26 24 16 00-0409	EA			125 Ampere Rating, 24 Circuit, Main Breaker Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	2,108.54	704.35
26 24 16 00-0410	EA			150 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	2,288.94	762.92
26 24 16 00-0411	EA			300 Ampere Rating, 42 Circuit, Main Breaker Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	8,243.54	1,173.72
26 24 16 00-0412				Main Breaker Load Center, 3 Phase, 4 Wire, 208 Y/120 Volt AC (26 24 16 00-0390)		
				Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 V Delta.		
26 24 16 00-0413	EA			125 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard	3,111.43	704.35
26 24 16 00-0414	EA			150 Ampere Rating, 40 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard	3,394.57	762.92
26 24 16 00-0415	EA			300 Ampere Rating, 42 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard	9,087.40	1,173.72
26 24 16 00-0416				Main Breaker Load Center, Single Phase, 3 Wire, 120/240 Volt, Rainproof (26 24 16 00-0390)		
26 24 16 00-0417	EA			125 Ampere Rating, 24 Circuit, Main Breaker Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	2,220.78	704.35
26 24 16 00-0418	EA			150 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	2,480.61	762.92
26 24 16 00-0419				Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC (26 24 16 00-0390)		
				Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 Volt AC Delta, Rainproof.		
26 24 16 00-0420	EA			125 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard	3,297.57	704.35
26 24 16 00-0421	EA			155 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard	3,414.77	762.92
26 24 16 00-0422				Residential Type Assembled Load Center (26 24 16 00-0389)		
26 24 16 00-0423				Main Lug Load Center, 3 Wire, 20 Amperes, 120/240 Volt, 1 Phase (26 24 16 00-0422)		
				Note: Includes 1 pole plug-in breaker.		
26 24 16 00-0424	EA			100 Ampere Rating, Main Lugs, Indoor 8 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	810.11	335.09
26 24 16 00-0425	EA			100 Ampere Rating, Main Lugs, Indoor 12 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	988.38	391.43
26 24 16 00-0426	EA			100 Ampere Rating, Main Lugs, Rainproof, 8 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	829.10	335.09
26 24 16 00-0427	EA			100 Ampere Rating, Main Lugs, Rainproof, 12 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	993.56	391.43
26 24 16 00-0428	EA			200 Ampere Rating, Main Lugs, Indoor, 8 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,447.55	521.72
26 24 16 00-0429	EA			200 Ampere Rating, Main Lugs, Indoor, 20 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,706.50	626.18
26 24 16 00-0430	EA			200 Ampere Rating, Main Lugs, Indoor, 24 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,950.69	722.43
26 24 16 00-0431	EA			200 Ampere Rating, Main Lugs, Indoor, 30 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,151.22	782.06
26 24 16 00-0432	EA			200 Ampere Rating, Main Lugs, Indoor, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,219.45	1,173.72
26 24 16 00-0433	EA			200 Ampere Rating, Main Lugs, Rainproof, 16 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,514.89	521.72
26 24 16 00-0434	EA			200 Ampere Rating, Main Lugs, Rainproof, 20 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,770.39	626.18
26 24 16 00-0435	EA			200 Ampere Rating, Main Lugs, Rainproof, 24 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,014.58	722.43
26 24 16 00-0436	EA			200 Ampere Rating, Main Lugs, Rainproof, 30 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,211.65	782.06
26 24 16 00-0437	EA			200 Ampere Rating, Main Lugs, Rainproof, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,418.02	1,173.72

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0438	EA	400 Ampere Rating, Main Lugs, Indoor, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,981.02	1,304.13
26 24 16 00-0439	EA	400 Ampere Rating, Main Lugs, Rainproof, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	4,188.23	1,304.13
26 24 16 00-0440 Main Lug Load Center, 4 Wire, 20 Amperes, 120/208 Volt (26 24 16 00-0422)				
Note: Includes 1 pole plug-in breaker.				
26 24 16 00-0441	EA	125 Ampere Rating, Main Lugs, Indoor, 12 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,085.08	391.43
26 24 16 00-0442	EA	125 Ampere Rating, Main Lugs, Indoor, 18 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,617.49	586.86
26 24 16 00-0443	EA	125 Ampere Rating, Main Lugs, Rainproof, 12 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,142.06	391.43
26 24 16 00-0444	EA	125 Ampere Rating, Main Lugs, Rainproof, 18 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,669.29	586.86
26 24 16 00-0445	EA	200 Ampere Rating, Main Lugs, Indoor, 24 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,049.12	722.43
26 24 16 00-0446	EA	200 Ampere Rating, Main Lugs, Indoor, 30 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,238.38	782.52
26 24 16 00-0447	EA	200 Ampere Rating, Main Lugs, Indoor, 36 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,741.92	939.33
26 24 16 00-0448	EA	200 Ampere Rating, Main Lugs, Indoor, 42 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,288.52	1,173.72
26 24 16 00-0449	EA	200 Ampere Rating, Main Lugs, Rainproof, 24 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,109.55	722.43
26 24 16 00-0450	EA	200 Ampere Rating, Main Lugs, Rainproof, 30 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,306.62	782.06
26 24 16 00-0451	EA	200 Ampere Rating, Main Lugs, Rainproof, 36 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,973.83	938.62
26 24 16 00-0452	EA	200 Ampere Rating, Main Lugs, Rainproof, 42 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,521.63	1,173.72
26 24 16 00-0453	EA	400 Ampere Rating, Main Lugs, Indoor, 42 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	4,032.82	1,304.13
26 24 16 00-0454	EA	400 Ampere Rating, Main Lugs, Rainproof, 42 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	4,240.03	1,304.13
26 24 16 00-0455 Main Breaker Load Center, 3 Wire, 20 Amperes, 120/240 Volt, 1 Phase (26 24 16 00-0422)				
Note: Includes 1 pole plug-in breaker.				
26 24 16 00-0456	EA	125 Ampere Rating, Main Breaker, Indoor, 12 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,078.17	391.43
26 24 16 00-0457	EA	125 Ampere Rating, Main Breaker, Indoor, 18 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,593.32	586.86
26 24 16 00-0458	EA	200 Ampere Rating, Main Breaker, Indoor, 20 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,848.09	626.18
26 24 16 00-0459	EA	200 Ampere Rating, Main Breaker, Indoor, 24 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,118.89	722.78
26 24 16 00-0460	EA	200 Ampere Rating, Main Breaker, Indoor, 30 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,333.35	782.52
26 24 16 00-0461	EA	200 Ampere Rating, Main Breaker, Indoor, 40 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,088.48	1,043.44
26 24 16 00-0462	EA	200 Ampere Rating, Main Breaker, Rainproof, 20 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,865.36	626.18
26 24 16 00-0463	EA	200 Ampere Rating, Main Breaker, Rainproof, 24 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,152.72	722.43
26 24 16 00-0464	EA	200 Ampere Rating, Main Breaker, Rainproof, 30 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,341.16	782.06
26 24 16 00-0465	EA	200 Ampere Rating, Main Breaker, Rainproof, 40 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,993.51	1,043.44
26 24 16 00-0466	EA	400 Ampere Rating, Main Breaker, Indoor, 42 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	5,759.55	1,304.13
26 24 16 00-0467	EA	400 Ampere Rating, Main Breaker, Rainproof, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	6,104.90	1,304.13
26 24 16 00-0468 Main Breaker Load Center, 4 Wire, 20 Amperes, 120/208 Volt (26 24 16 00-0422)				
Note: Includes 1 pole plug-in breaker.				
26 24 16 00-0469	EA	200 Ampere Rating, Main Breaker, Indoor, 30 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,816.84	782.52
26 24 16 00-0470	EA	200 Ampere Rating, Main Breaker, Indoor, 42 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,841.07	1,173.72
26 24 16 00-0471	EA	200 Ampere Rating, Main Breaker, Rainproof, 30 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,919.61	782.06
26 24 16 00-0472	EA	200 Ampere Rating, Main Breaker, Rainproof, 42 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,944.68	1,173.72
26 24 16 00-0473 Panel Mounted Accessories And Fuseholders (26 24 16 00-0001)				
26 24 16 00-0474 Midget Finger-Safe Fuse Holders (26 24 16 00-0473)				
Note: 30 Amp capacity. Excludes fuse.				
26 24 16 00-0475	EA	1 Pole Midget Finger-Safe Fuse Holder	77.23	21.13
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add			14.09	
26 24 16 00-0476	EA	1 Pole With Indicator Midget Finger-Safe Fuse Holder	91.57	21.13
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add			14.09	
26 24 16 00-0477	EA	2 Pole Midget Finger-Safe Fuse Holder	124.95	31.69
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add			21.13	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
26 24 16 00-0478	EA 2 Pole With Indicators Midget Finger-Safe Fuse Holder <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	162.39 21.13		31.69	
26 24 16 00-0479	EA 3 Pole Midget Finger-Safe Fuse Holder <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	184.29 28.17		42.26	
26 24 16 00-0480	EA 3 Pole With Indicators Midget Finger-Safe Fuse Holder <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	234.01 28.17		42.26	
26 24 16 00-0481	EA 3 Pole With 4th Neutral Pole Midget Finger-Safe Fuse Holder Note: With indicators. <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	275.60 28.17		42.26	
26 24 16 00-0482	EA 3 Pole With 4th Neutral Pole Midget Finger-Safe Fuse Holder <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	220.46 28.17		42.26	
26 24 16 00-0483	EA 4 Pole Midget Finger-Safe Fuse Holder <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	232.17 35.21		52.82	
26 24 16 00-0484	EA 4 Pole With Indicator Midget Finger-Safe Fuse Holder <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	286.77 35.21		52.82	
26 24 16 00-0485	EA 12 To 24 Volt DC Midget Finger-Safe Fuse Holder Note: With indicator. <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	91.62 14.09		21.13	
26 24 16 00-0486	EA 20 To 24 Volt DC Midget Finger-Safe Fuse Holder Note: With indicator. <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	99.23 14.09		21.13	
26 24 16 00-0487	EA 35 To 48 Volt DC Midget Finger-Safe Fuse Holder Note: With indicator. <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	93.02 14.09		21.13	
26 24 16 00-0488 Removal And Reinstallation Of Panelboards (26 24 16 00-0001)					
Note: Includes storage, cleaning and supply materials.					
26 24 16 00-0489	EA Removal And Reinstallation Of Up To 42 Circuit Capacity Panelboards With Breakers Note: Includes removal and reinstallation of main wiring to panelboard. <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,474.11 440.15			
26 24 16 00-0490	EA Removal And Reinstallation Of Breaker, 1-2-3 Pole, Any Amperage <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	78.29 22.89			
26 24 16 00-0491	EA Panelboard Filler Plate, Fits 1" Opening <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.67 1.10			
26 24 19 Motor-Control Centers (26 24)					
26 24 19 00-0001 Combination Starters With Molded Case Circuit Breakers (26 24 19)					
Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" o 20" Deep), fully factory assembled and wired internally.					
26 24 19 00-0002 230 Volt Combination With Molded Case Circuit, Full Volt (26 24 19 00-0001)					
Note: 1-Speed non-reversing.					
26 24 19 00-0003	EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 7-1/2 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,373.65 64.34		107.23	
26 24 19 00-0004	EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 15 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,811.25 67.56		112.60	
26 24 19 00-0005	EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 30 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,183.88 70.77		117.95	
26 24 19 00-0006	EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,585.26 83.64		139.40	
26 24 19 00-0007	EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15,277.92 96.51		160.84	
26 24 19 00-0008	EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25,704.52 128.68		214.46	
26 24 19 00-0009 480 Volt Combination With Molded Case Circuit, Full Volt (26 24 19 00-0001)					
Note: 1-Speed non-reversing.					
26 24 19 00-0010	EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 10 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,373.65 64.34		107.23	
26 24 19 00-0011	EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 25 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,811.25 67.56		112.60	
26 24 19 00-0012	EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,183.88 70.77		117.95	
26 24 19 00-0013	EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,585.26 83.64		139.40	
26 24 19 00-0014	EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15,277.92 96.51		160.84	
26 24 19 00-0015	EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 400 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25,704.52 128.68		214.46	
26 24 19 00-0016 230 Volt Combination With Molded Case Circuit, Full Volt (26 24 19 00-0001)					
Note: 1-Speed reversing.					
26 24 19 00-0017	EA 230 Volt, Full Volt, 1 Speed, Reversing, 7-1/2 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,439.69 64.34		107.23	
26 24 19 00-0018	EA 230 Volt, Full Volt, 1 Speed, Reversing, 15 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,584.22 67.56		112.60	
26 24 19 00-0019	EA 230 Volt, Full Volt, 1 Speed, Reversing, 30 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,571.19 70.77		117.95	
26 24 19 00-0020	EA 230 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,497.09 83.64		139.40	
26 24 19 00-0021	EA 230 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22,629.55 96.51		160.84	
26 24 19 00-0022	EA 230 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38,998.44 128.68		214.46	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0023		480 Volt Combination With Molded Case Circuit, Full Volt (26 24 19 00-0001) Note: 1-Speed reversing.		
26 24 19 00-0024	EA	480 Volt, Full Volt, 1 Speed, Reversing, 10 HP Combination With Molded Case Circuit.....	3,439.69	107.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	64.34	
26 24 19 00-0025	EA	480 Volt, Full Volt, 1 Speed, Reversing, 25 HP Combination With Molded Case Circuit.....	4,584.22	112.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	67.56	
26 24 19 00-0026	EA	480 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination With Molded Case Circuit.....	6,571.19	117.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	70.77	
26 24 19 00-0027	EA	480 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination With Molded Case Circuit.....	11,497.09	139.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	83.64	
26 24 19 00-0028	EA	480 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination With Molded Case Circuit.....	22,629.55	160.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	96.51	
26 24 19 00-0029	EA	480 Volt, Full Volt, 1 Speed, Reversing, 400 HP Combination With Molded Case Circuit.....	38,998.44	214.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	128.68	
26 24 19 00-0030		230 Volt Combination With Molded Case Circuit, Full Volt (26 24 19 00-0001) Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0031	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 7-1/2 HP Combination With Molded Case Circuit.....	4,184.95	171.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	102.94	
26 24 19 00-0032	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 15 HP Combination With Molded Case Circuit.....	5,755.78	182.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	109.37	
26 24 19 00-0033	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 30 HP Combination With Molded Case Circuit.....	8,473.93	193.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	115.80	
26 24 19 00-0034	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit.....	15,142.90	219.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	131.89	
26 24 19 00-0035	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit.....	25,085.65	257.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	154.42	
26 24 19 00-0036		480 Volt Combination With Molded Case Circuit, Full Volt (26 24 19 00-0001) Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0037	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 10 HP Combination With Molded Case Circuit.....	4,184.95	171.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	102.94	
26 24 19 00-0038	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 25 HP Combination With Molded Case Circuit.....	5,755.78	182.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	109.37	
26 24 19 00-0039	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit.....	8,473.93	193.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	115.80	
26 24 19 00-0040	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit.....	15,142.90	219.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	131.89	
26 24 19 00-0041	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 200 HP Combination With Molded Case Circuit.....	25,085.65	257.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	154.42	
26 24 19 00-0042		230 Volt Combination With Molded Case Circuit, Full Volt (26 24 19 00-0001) Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0043	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 7-1/2 HP Combination With Molded Case Circuit.....	4,833.23	107.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	64.34	
26 24 19 00-0044	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 15 HP Combination With Molded Case Circuit.....	7,192.86	112.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	67.56	
26 24 19 00-0045	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 30 HP Combination With Molded Case Circuit.....	9,846.11	117.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	70.77	
26 24 19 00-0046	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit.....	18,496.39	139.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	83.64	
26 24 19 00-0047	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit.....	32,045.51	160.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	96.51	
26 24 19 00-0048		480 Volt Combination With Molded Case Circuit, Full Volt (26 24 19 00-0001) Note: 2-Speed non-reversing, 1 wind.		
26 24 19 00-0049	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 10 HP Combination With Molded Case Circuit.....	4,833.23	107.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	64.34	
26 24 19 00-0050	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 25 HP Combination With Molded Case Circuit.....	7,192.86	112.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	67.56	
26 24 19 00-0051	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit.....	9,846.11	117.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	70.77	
26 24 19 00-0052	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit.....	18,496.39	139.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	83.64	
26 24 19 00-0053	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 200 HP Combination With Molded Case Circuit.....	32,045.51	160.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	96.51	
26 24 19 00-0054		230 Volt Combination With Molded Case Circuit (26 24 19 00-0001) Note: Reducing volt, auto-transformer.		
26 24 19 00-0055	EA	230 Volt, Reduced Volt, Auto Transformer, 15 HP Combination With Molded Case Circuit.....	7,147.69	112.60
26 24 19 00-0056	EA	230 Volt, Reduced Volt, Auto Transformer, 30 HP Combination With Molded Case Circuit.....	10,943.19	123.31
26 24 19 00-0057	EA	230 Volt, Reduced Volt, Auto Transformer, 50 HP Combination With Molded Case Circuit.....	18,444.44	139.40
26 24 19 00-0058	EA	230 Volt, Reduced Volt, Auto Transformer, 100 HP Combination With Molded Case Circuit.....	28,531.18	160.84
26 24 19 00-0059	EA	230 Volt, Reduced Volt, Auto Transformer, 200 HP Combination With Molded Case Circuit.....	48,809.65	214.46
26 24 19 00-0060		480 Volt Combination With Molded Case Circuit (26 24 19 00-0001) Note: Reducing volt, auto-transformer.		
26 24 19 00-0061	EA	480 Volt, Reduced Volt, Auto Transformer, 25 HP Combination With Molded Case Circuit.....	7,147.69	112.60
26 24 19 00-0062	EA	480 Volt, Reduced Volt, Auto Transformer, 50 HP Combination With Molded Case Circuit.....	10,943.19	123.31

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 24 19 00-0063	EA	480 Volt, Reduced Volt, Auto Transformer, 100 HP Combination With Molded Case Circuit	18,444.44	139.40	
26 24 19 00-0064	EA	480 Volt, Reduced Volt, Auto Transformer, 200 HP Combination With Molded Case Circuit	28,531.18	160.84	
26 24 19 00-0065	EA	480 Volt, Reduced Volt, Auto Transformer, 400 HP Combination With Molded Case Circuit	48,809.65	214.46	
26 24 19 00-0066		230 Volt Combination With Molded Case Circuit (26 24 19 00-0001)			
		Note: Reducing volt, part winding.			
26 24 19 00-0067	EA	230 Volt, Reduced Volt, Part Winding Starters, 10 HP Combination With Molded Case Circuit	4,882.85	171.57	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	102.94		
26 24 19 00-0068	EA	230 Volt, Reduced Volt, Part Winding Starters, 25 HP Combination With Molded Case Circuit	6,307.41	198.38	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	119.02		
26 24 19 00-0069	EA	230 Volt, Reduced Volt, Part Winding Starters, 50 HP Combination With Molded Case Circuit	11,088.77	219.83	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	131.89		
26 24 19 00-0070	EA	230 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination With Molded Case Circuit	18,898.30	268.07	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	160.85		
26 24 19 00-0071	EA	230 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination With Molded Case Circuit	25,961.90	343.14	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	205.89		
26 24 19 00-0072		480 Volt Combination With Molded Case Circuit (26 24 19 00-0001)			
		Note: Reducing volt, part winding.			
26 24 19 00-0073	EA	480 Volt, Reduced Volt, Part Winding Starters, 15 HP Combination With Molded Case Circuit	4,882.85	171.57	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	102.94		
26 24 19 00-0074	EA	480 Volt, Reduced Volt, Part Winding Starters, 40 HP Combination With Molded Case Circuit	6,307.41	198.38	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	119.02		
26 24 19 00-0075	EA	480 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination With Molded Case Circuit	11,088.77	219.83	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	131.89		
26 24 19 00-0076	EA	480 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination With Molded Case Circuit	18,898.30	268.07	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	160.85		
26 24 19 00-0077	EA	480 Volt, Reduced Volt, Part Winding Starters, 350 HP Combination With Molded Case Circuit	25,961.90	343.14	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	205.89		
26 24 19 00-0078		230 Volt Combination With Molded Case Circuit (26 24 19 00-0001)			
		Note: Reducing volt, energy saver.			
26 24 19 00-0079	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 7-1/2 HP Combination With Molded Case Circuit	20,167.73	139.40	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	83.64		
26 24 19 00-0080	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 15 HP Combination With Molded Case Circuit	21,395.22	171.57	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	102.94		
26 24 19 00-0081	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 30 HP Combination With Molded Case Circuit	23,626.08	198.38	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	119.02		
26 24 19 00-0082	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination With Molded Case Circuit	35,770.38	219.83	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	131.89		
26 24 19 00-0083	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination With Molded Case Circuit	48,783.63	268.07	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	160.85		
26 24 19 00-0084	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination With Molded Case Circuit	66,202.76	343.14	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	205.89		
26 24 19 00-0085		480 Volt Combination With Molded Case Circuit (26 24 19 00-0001)			
		Note: Reducing volt, energy saver.			
26 24 19 00-0086	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 10 HP Combination With Molded Case Circuit	20,167.73	139.40	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	83.64		
26 24 19 00-0087	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 25 HP Combination With Molded Case Circuit	21,395.22	171.57	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	102.94		
26 24 19 00-0088	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination With Molded Case Circuit	23,626.08	198.38	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	119.02		
26 24 19 00-0089	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination With Molded Case Circuit	35,770.38	219.83	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	131.89		
26 24 19 00-0090	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination With Molded Case Circuit	48,783.63	268.07	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	160.85		
26 24 19 00-0091	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 400 HP Combination With Molded Case Circuit	66,202.76	343.14	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	205.89		
26 24 19 00-0092		Combination Starters With Current Limiting Circuit Breakers (26 24 19)			
		Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" to 20" deep), fully factory assembled and wired internally.			
26 24 19 00-0093		230 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092)			
		Note: Full volt, 1-speed non-reversing.			
26 24 19 00-0094	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 7-1/2 HP Combination Starters With Current Limiting Circuit	3,175.44	107.23	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	64.34		
26 24 19 00-0095	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 15 HP Combination Starters With Current Limiting Circuit	3,613.04	112.60	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	67.56		
26 24 19 00-0096	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 30 HP Combination Starters With Current Limiting Circuit	5,586.45	117.95	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	70.77		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0097	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,293.28 83.64	139.40
26 24 19 00-0098	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18,426.36 96.51	160.84
26 24 19 00-0099	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30,034.19 128.68	214.46
26 24 19 00-0100		480 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Full volt, 1-speed non-reversing.		
26 24 19 00-0101	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 10 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,175.44 64.34	107.23
26 24 19 00-0102	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 25 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,613.04 67.56	112.60
26 24 19 00-0103	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,586.45 70.77	117.95
26 24 19 00-0104	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,293.28 83.64	139.40
26 24 19 00-0105	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18,426.36 96.51	160.84
26 24 19 00-0106	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 400 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30,034.19 128.68	214.46
26 24 19 00-0107		230 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Full volt, 1-speed reversing.		
26 24 19 00-0108	EA	230 Volt, Full Volt, 1 Speed, Reversing, 7-1/2 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,234.71 64.34	107.23
26 24 19 00-0109	EA	230 Volt, Full Volt, 1 Speed, Reversing, 15 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,370.20 67.56	112.60
26 24 19 00-0110	EA	230 Volt, Full Volt, 1 Speed, Reversing, 30 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,942.13 70.77	117.95
26 24 19 00-0111	EA	230 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,168.98 83.64	139.40
26 24 19 00-0112	EA	230 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25,714.75 96.51	160.84
26 24 19 00-0113		480 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Full volt, 1-speed reversing.		
26 24 19 00-0114	EA	480 Volt, Full Volt, 1 Speed, Reversing, 10 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,234.71 64.34	107.23
26 24 19 00-0115	EA	480 Volt, Full Volt, 1 Speed, Reversing, 25 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,370.20 67.56	112.60
26 24 19 00-0116	EA	480 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,942.13 70.77	117.95
26 24 19 00-0117	EA	480 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,168.98 83.64	139.40
26 24 19 00-0118	EA	480 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25,714.75 96.51	160.84
26 24 19 00-0119		230 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Full volt, 2-speed non-reversing, 2 wind.		
26 24 19 00-0120	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 7-1/2 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,966.41 102.94	171.57
26 24 19 00-0121	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 15 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,525.95 109.37	182.29
26 24 19 00-0122	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 30 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,822.30 115.80	193.02
26 24 19 00-0123	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,783.16 131.89	219.83
26 24 19 00-0124	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28,146.01 154.42	257.35
26 24 19 00-0125		480 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Full volt, 2-speed non-reversing, 2 wind.		
26 24 19 00-0126	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 10 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,966.41 102.94	171.57
26 24 19 00-0127	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 25 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,525.95 109.37	182.29
26 24 19 00-0128	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,822.30 115.80	193.02
26 24 19 00-0129	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,783.16 131.89	219.83
26 24 19 00-0130	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 200 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28,146.01 154.42	257.35

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 24 19 00-0131	230 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092)		
	Note: Full volt, 2-speed non-reversing, 1 wind.		
26 24 19 00-0132	EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 7-1/2 HP Combination Starters With Current Limiting Circuit	5,721.93	160.84
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	96.51	
26 24 19 00-0133	EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 15 HP Combination Starters With Current Limiting Circuit	8,067.42	171.57
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	102.94	
26 24 19 00-0134	EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 30 HP Combination Starters With Current Limiting Circuit	11,316.36	182.29
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	109.37	
26 24 19 00-0135	EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit	21,244.42	209.10
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	125.46	
26 24 19 00-0136	EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit	35,216.46	246.63
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	147.98	
26 24 19 00-0137	480 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092)		
	Note: Full volt, 2-speed non-reversing, 1 wind.		
26 24 19 00-0138	EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 10 HP Combination Starters With Current Limiting Circuit	5,721.93	160.84
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	96.51	
26 24 19 00-0139	EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 25 HP Combination Starters With Current Limiting Circuit	8,067.42	171.57
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	102.94	
26 24 19 00-0140	EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit	11,316.36	182.29
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	109.37	
26 24 19 00-0141	EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit	21,244.42	209.10
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	125.46	
26 24 19 00-0142	EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 200 HP Combination Starters With Current Limiting Circuit	35,216.46	246.63
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	147.98	
26 24 19 00-0143	230 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092)		
	Note: Reduced volt, auto-transformer.		
26 24 19 00-0144	EA 230 Volt, Reduced Volt, Auto Transformer, 15 HP Combination Starters With Current Limiting Circuit	7,906.57	112.60
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	67.56	
26 24 19 00-0145	EA 230 Volt, Reduced Volt, Auto Transformer, 30 HP Combination Starters With Current Limiting Circuit	12,731.98	123.31
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	73.99	
26 24 19 00-0146	EA 230 Volt, Reduced Volt, Auto Transformer, 50 HP Combination Starters With Current Limiting Circuit	21,518.35	139.40
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	83.64	
26 24 19 00-0147	EA 230 Volt, Reduced Volt, Auto Transformer, 100 HP Combination Starters With Current Limiting Circuit	32,598.86	160.84
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	96.51	
26 24 19 00-0148	EA 230 Volt, Reduced Volt, Auto Transformer, 200 HP Combination Starters With Current Limiting Circuit	53,636.20	214.46
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	128.68	
26 24 19 00-0149	480 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092)		
	Note: Reduced volt, auto-transformer.		
26 24 19 00-0150	EA 480 Volt, Reduced Volt, Auto Transformer, 25 HP Combination Starters With Current Limiting Circuit	7,906.57	112.60
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	67.56	
26 24 19 00-0151	EA 480 Volt, Reduced Volt, Auto Transformer, 50 HP Combination Starters With Current Limiting Circuit	12,731.98	123.31
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	73.99	
26 24 19 00-0152	EA 480 Volt, Reduced Volt, Auto Transformer, 100 HP Combination Starters With Current Limiting Circuit	21,518.35	139.40
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	83.64	
26 24 19 00-0153	EA 480 Volt, Reduced Volt, Auto Transformer, 200 HP Combination Starters With Current Limiting Circuit	32,598.86	160.84
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	96.51	
26 24 19 00-0154	EA 480 Volt, Reduced Volt, Auto Transformer, 400 HP Combination Starters With Current Limiting Circuit	53,636.20	214.46
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	128.68	
26 24 19 00-0155	230 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092)		
	Note: Reduced volt, part winding.		
26 24 19 00-0156	EA 230 Volt, Reduced Volt, Part Winding Starters, 10 HP Combination Starters With Current Limiting Circuit	5,664.31	171.57
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	102.94	
26 24 19 00-0157	EA 230 Volt, Reduced Volt, Part Winding Starters, 25 HP Combination Starters With Current Limiting Circuit	7,073.06	198.38
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	119.02	
26 24 19 00-0158	EA 230 Volt, Reduced Volt, Part Winding Starters, 50 HP Combination Starters With Current Limiting Circuit	12,428.10	219.83
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	131.89	
26 24 19 00-0159	EA 230 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination Starters With Current Limiting Circuit	22,010.60	268.07
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	160.85	
26 24 19 00-0160	EA 230 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination Starters With Current Limiting Circuit	32,471.09	343.14
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	205.89	
26 24 19 00-0161	480 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092)		
	Note: Reduced volt, part winding.		
26 24 19 00-0162	EA 480 Volt, Reduced Volt, Part Winding Starters, 15 HP Combination Starters With Current Limiting Circuit	5,664.31	171.57
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	102.94	
26 24 19 00-0163	EA 480 Volt, Reduced Volt, Part Winding Starters, 40 HP Combination Starters With Current Limiting Circuit	7,073.06	198.38
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	119.02	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0164	EA	480 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12,428.10 131.89	219.83
26 24 19 00-0165	EA	480 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22,010.60 160.85	268.07
26 24 19 00-0166	EA	480 Volt, Reduced Volt, Part Winding Starters, 350 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32,471.09 205.89	343.14
26 24 19 00-0167		230 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Reduced volt, energy saving		
26 24 19 00-0168	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 7.5 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,815.93 83.64	139.40
26 24 19 00-0169	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 15 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22,036.65 102.94	171.57
26 24 19 00-0170	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 30 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24,244.93 119.02	198.38
26 24 19 00-0171	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36,283.07 131.89	219.83
26 24 19 00-0172	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49,181.14 160.85	268.07
26 24 19 00-0173	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68,928.85 205.89	343.14
26 24 19 00-0174		480 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Reduced volt, energy saving		
26 24 19 00-0175	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 10 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,815.98 83.66	139.40
26 24 19 00-0176	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 25 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22,036.65 102.94	171.57
26 24 19 00-0177	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24,244.93 119.02	198.38
26 24 19 00-0178	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36,283.07 131.89	219.83
26 24 19 00-0179	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49,181.14 160.85	268.07
26 24 19 00-0180	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 400 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68,928.85 205.89	343.14
26 24 19 00-0181		Combination Starters With Fusible Switch (26 24 19) Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" to 20" deep), fully factory assembled and Wired Internally.		
26 24 19 00-0182		230 Volt Combination Starters With Fusible Switch, Full Volt (26 24 19 00-0181) Note: 1-Speed non-reversing.		
26 24 19 00-0183	EA	7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,111.65 64.34	107.23
26 24 19 00-0184	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,912.88 67.56	112.60
26 24 19 00-0185	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,911.14 70.77	117.95
26 24 19 00-0186	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,662.59 83.64	139.40
26 24 19 00-0187	EA	100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,062.81 96.51	160.84
26 24 19 00-0188	EA	200 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25,083.42 128.68	214.46
26 24 19 00-0189		480 Volt Combination Starters With Fusible Switch, Full Volt (26 24 19 00-0181) Note: 1-Speed non-reversing.		
26 24 19 00-0190	EA	10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,111.65 64.34	107.23
26 24 19 00-0191	EA	25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,912.88 67.56	112.60
26 24 19 00-0192	EA	50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,911.14 70.77	117.95
26 24 19 00-0193	EA	100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,662.59 83.64	139.40
26 24 19 00-0194	EA	200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,062.81 96.51	160.84
26 24 19 00-0195	EA	400 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25,083.42 128.68	214.46

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI UOM DESCRIPTION		UNIT COST		UNIT COST	
26 24 19 00-0196		230 Volt Combination Starters With Fusible Switch, Full Volt (26 24 19 00-0181)			
Note: 1-Speed reversing.					
26 24 19 00-0197	EA 7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	3,410.33		107.23	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	64.34			
26 24 19 00-0198	EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	5,081.11		112.60	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	67.56			
26 24 19 00-0199	EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	8,129.60		117.95	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	70.77			
26 24 19 00-0200	EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	13,249.74		139.40	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	83.64			
26 24 19 00-0201	EA 100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	20,384.54		160.84	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	96.51			
26 24 19 00-0202	EA 200 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	34,650.70		214.46	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	128.68			
26 24 19 00-0203		480 Volt Combination Starters With Fusible Switch, Full Volt (26 24 19 00-0181)			
Note: 1-Speed reversing.					
26 24 19 00-0204	EA 10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	3,410.33		107.23	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	64.34			
26 24 19 00-0205	EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	5,081.11		112.60	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	67.56			
26 24 19 00-0206	EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	8,129.60		117.95	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	70.77			
26 24 19 00-0207	EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	13,249.74		139.40	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	83.64			
26 24 19 00-0208	EA 200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	20,384.54		160.84	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	96.51			
26 24 19 00-0209	EA 400 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	34,650.70		214.46	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	128.68			
26 24 19 00-0210		230 Volt Combination Starters With Fusible Switch, Full Volt (26 24 19 00-0181)			
Note: 2-Speed non-reversing, 2 wind.					
26 24 19 00-0211	EA 10 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	3,995.23		171.57	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	102.94			
26 24 19 00-0212	EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	5,493.78		182.29	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	109.37			
26 24 19 00-0213	EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	8,643.32		193.02	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	115.80			
26 24 19 00-0214	EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	15,436.51		219.83	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	131.89			
26 24 19 00-0215	EA 100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	24,591.03		257.35	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	154.42			
26 24 19 00-0216		480 Volt Combination Starters With Fusible Switch, Full Volt (26 24 19 00-0181)			
Note: 2-Speed non-reversing, 2 wind.					
26 24 19 00-0217	EA 10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	3,995.23		171.57	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	102.94			
26 24 19 00-0218	EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	5,493.78		182.29	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	109.37			
26 24 19 00-0219	EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	8,643.32		193.02	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	115.80			
26 24 19 00-0220	EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	15,436.51		219.83	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	131.89			
26 24 19 00-0221	EA 200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	24,591.03		257.35	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	154.42			
26 24 19 00-0222		230 Volt Combination Starters With Fusible Switch, Full Volt (26 24 19 00-0181)			
Note: 2-Speed non-reversing, 1 wind.					
26 24 19 00-0223	EA 7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	4,557.68		107.23	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	64.34			
26 24 19 00-0224	EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	6,948.94		112.60	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	67.56			
26 24 19 00-0225	EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	10,004.21		117.95	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	70.77			
26 24 19 00-0226	EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	20,163.21		139.40	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	83.64			
26 24 19 00-0227		480 Volt Combination Starters With Fusible Switch, Full Volt (26 24 19 00-0181)			
Note: 2-Speed non-reversing, 1 wind.					
26 24 19 00-0228	EA 10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	4,557.68		107.23	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	64.34			
26 24 19 00-0229	EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	6,948.94		112.60	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	67.56			
26 24 19 00-0230	EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	10,004.21		117.95	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	70.77			
26 24 19 00-0231	EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	20,163.21		139.40	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	83.64			
26 24 19 00-0232		230 Volt Combination Starters With Fusible Switch, Reduced Volt (26 24 19 00-0181)			
Note: Auto-transformer.					

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0233	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,901.51 67.56	112.60
26 24 19 00-0234	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12,183.15 73.99	123.31
26 24 19 00-0235	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,296.46 83.64	139.40
26 24 19 00-0236	EA	100 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27,099.25 96.51	160.84
26 24 19 00-0237	EA	200 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45,525.69 128.68	214.46
26 24 19 00-0238 480 Volt Combination Starters With Fusible Switch, Reduced Volt (26 24 19 00-0181)				
Note: Auto-transformer.				
26 24 19 00-0239	EA	25 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,901.51 67.56	112.60
26 24 19 00-0240	EA	50 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12,183.15 73.99	123.31
26 24 19 00-0241	EA	100 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,296.46 83.64	139.40
26 24 19 00-0242	EA	200 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27,099.25 96.51	160.84
26 24 19 00-0243	EA	400 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45,525.69 128.68	214.46
26 24 19 00-0244 230 Volt Combination Starters With Fusible Switch, Reduced Volt (26 24 19 00-0181)				
Note: Part winding.				
26 24 19 00-0245	EA	10 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,912.21 102.94	171.57
26 24 19 00-0246	EA	25 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,501.64 119.02	198.38
26 24 19 00-0247	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,347.97 131.89	219.83
26 24 19 00-0248	EA	75 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,621.58 160.85	268.07
26 24 19 00-0249 480 Volt Combination Starters With Fusible Switch, Reduced Volt (26 24 19 00-0181)				
Note: Part winding.				
26 24 19 00-0250	EA	15 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,912.21 102.94	171.57
26 24 19 00-0251	EA	40 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,501.64 119.02	198.38
26 24 19 00-0252	EA	75 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,347.97 131.89	219.83
26 24 19 00-0253	EA	150 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,621.58 160.85	268.07
26 24 19 00-0254 230 Volt Combination Starters With Fusible Switch, Reduced Volt (26 24 19 00-0181)				
Note: Energy saver.				
26 24 19 00-0255	EA	7.5 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,165.47 83.64	139.40
26 24 19 00-0256	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21,395.22 102.94	171.57
26 24 19 00-0257	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23,626.08 119.02	198.38
26 24 19 00-0258	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35,770.38 131.89	219.83
26 24 19 00-0259	EA	100 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48,783.63 160.85	268.07
26 24 19 00-0260	EA	200 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	66,202.76 205.89	343.14
26 24 19 00-0261 480 Volt Combination Starters With Fusible Switch, Reduced Volt (26 24 19 00-0181)				
Note: Energy saver.				
26 24 19 00-0262	EA	10 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,165.47 83.64	139.40
26 24 19 00-0263	EA	25 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21,395.22 102.94	171.57
26 24 19 00-0264	EA	50 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23,626.08 119.02	198.38
26 24 19 00-0265	EA	100 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35,770.38 131.89	219.83

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 24 19 00-0266	EA	200 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP.....	48,783.63	268.07
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>160.85</i>	
26 24 19 00-0267	EA	400 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP.....	66,202.76	343.14
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>205.89</i>	

26 24 19 00-0268 Starter Accessories (26 24 19)

Note: Additional options or accessories for the Combination Starters

26 24 19 00-0269 Starter Modifications (26 24 19 00-0268)

26 24 19 00-0270	EA	Size 1, 2, 50 VA, 60 Hertz, Standard Control Circuit Transformer.....	194.20	
26 24 19 00-0271	EA	Size 3, 4, 150 VA, 60 Hertz, Standard Control Circuit Transformer.....	352.34	
26 24 19 00-0272	EA	Size 5, 6, 50 VA, 60 Hertz, Control Circuit Transformer.....	503.66	
26 24 19 00-0273	EA	Extra 50 VA, 60 Hertz, Control Circuit Transformer, All Sizes.....	126.48	
26 24 19 00-0274	EA	Extra 100 VA, 60 Hertz, Control Circuit Transformer, All Sizes.....	178.43	
26 24 19 00-0275	EA	Extra 150 VA, 60 Hertz, Control Circuit Transformer, All Sizes.....	300.39	
26 24 19 00-0276	EA	Overload Relay Heater Elements, 3 Per Starter.....	74.53	
26 24 19 00-0277	EA	N.O. Overload Relay Alarm.....	63.24	
26 24 19 00-0278	EA	Control Circuit Fuses, Primary/Secondary.....	125.56	
26 24 19 00-0279	EA	Control Devices Type PB2 Mount On Device, 2 Unit Pushbutton.....	155.24	
26 24 19 00-0280	EA	Control Devices Type PB2 Mount On Device, 3 Unit Pushbutton.....	303.64	
26 24 19 00-0281	EA	Control Devices Type PB2 Mount On Device, 2 Or 3 Post Select.....	155.24	
26 24 19 00-0282	EA	Control Devices Type PB2 Mount On Device, Individual Light Full V.....	178.07	
26 24 19 00-0283	EA	Control Devices Type PB2 Mount On Device, Individual Light Transformer.....	214.60	
26 24 19 00-0284	EA	Control Devices Type PB2 Mount On Device, Individual Light Push To.....	253.41	
26 24 19 00-0285	EA	Blank Devices Panel.....	47.94	
26 24 19 00-0286	EA	Oversize Or Special Color Starter.....	75.34	
26 24 19 00-0287	EA	Mini Voltmeter/Ammeter With Current Transformer.....	659.98	
26 24 19 00-0288	EA	Mini Elapsed Time Meters, Non-Resettable.....	598.34	
26 24 19 00-0289	EA	Panel Elapsed Time Meter, Resettable.....	890.36	
26 24 19 00-0290	EA	Terminal Blocks, Side Mounted, Press Connection, Plug-In Press.....	75.34	
26 24 19 00-0291	EA	Terminal Blocks, Side Mounted, Press Connection, Plug-In Screw.....	107.30	
26 24 19 00-0292	EA	Terminal Blocks, Front Mounted, Press Connection, Standard.....	75.34	
26 24 19 00-0293	EA	Terminal Blocks, Front Mounted, Press Connection, Plug-In.....	107.30	
26 24 19 00-0294	EA	Terminal Blocks, Front Mounted, Press Connection, Screw-Type Utility.....	107.30	
26 24 19 00-0295	EA	Terminal Blocks, Front Mounted, Press Connection, Plug-In Screw Type.....	155.24	
26 24 19 00-0296	EA	MOR - A Solid State Modular Overload Relay.....	385.82	
26 24 19 00-0297	EA	Heater Module.....	82.16	
26 24 19 00-0298	EA	LAM - Long Acceleration Module.....	510.40	
26 24 19 00-0299	EA	JAM - Jam Protection Module.....	585.09	
26 24 19 00-0300	EA	PUM - Phase Unbalance Module.....	1,110.43	
26 24 19 00-0301	EA	ULM - Underload Module.....	532.81	
26 24 19 00-0302	EA	Wiring To Common Control Circuit Transformer.....	117.02	
26 24 19 00-0303	EA	Handle Operator Separable Source Control Circuit.....	219.10	
26 24 19 00-0304	EA	Type SIS Control Wire.....	92.12	
26 24 19 00-0305	EA	Ring Or Spade Terminals Control.....	117.02	
26 24 19 00-0306	EA	Ring Terminals Power.....	117.02	
26 24 19 00-0307	EA	14 Gauge Control Wire.....	92.12	
26 24 19 00-0308	EA	Wiremakers.....	117.02	
26 24 19 00-0309	EA	Wiring Diagram On Door.....	69.71	
26 24 19 00-0310	EA	Special Color Or Type Control Wire.....	84.65	
26 24 19 00-0311	EA	Current Transformer 12.5 VA.....	664.76	
26 24 19 00-0312	EA	Ground Fault Relay-Instant Non-Adjust, Size 1 Thru 4.....	2,123.76	
26 24 19 00-0313	EA	Ground Fault Relay-Instant Non-Adjust, Size 5 Thru 6.....	2,390.16	

26 24 19 00-0314 Control Relays And Special Components (26 24 19 00-0268)

26 24 19 00-0315	EA	600 Volt, 2 Pole, Control Relays.....	577.57	
26 24 19 00-0316	EA	600 Volt, 4 Pole, Control Relays.....	681.48	
26 24 19 00-0317	EA	600 Volt, 6 Pole, Control Relays.....	796.12	
26 24 19 00-0318	EA	600 Volt, 8 Pole, Control Relays.....	885.04	
26 24 19 00-0319	EA	Pneumatic Timer, Control Relays.....	770.32	
26 24 19 00-0320	EA	Motor Driven Timer, Control Relays.....	2,007.32	
26 24 19 00-0321	EA	7 Days Time Switch, Control Relays.....	2,526.49	
26 24 19 00-0322	EA	24 Hour Time Switch, Control Relays.....	708.47	
26 24 19 00-0323	EA	Phase Voltage, Control Relays.....	1,205.14	
26 24 19 00-0324	EA	Two Circuit Alternator, Control Relays.....	1,686.82	
26 24 19 00-0325	EA	Manual 120 Volt, Control Relays.....	164.93	
26 24 19 00-0326	EA	Over-Current Relay, Control Relays.....	4,750.45	
26 24 19 00-0327	EA	UV-Relay, Control Relays.....	4,023.44	
26 24 19 00-0328	EA	Over-Current Relay, Control Relays.....	4,023.44	
26 24 19 00-0329	EA	Teleductor, Control Relays.....	1,242.63	
26 24 19 00-0330	EA	Current Transducer, Control Relays.....	3,341.79	
26 24 19 00-0331	EA	Watt Transducer, Control Relays.....	6,683.57	
26 24 19 00-0332	EA	Control Relays, Blank, Add For Each 1x.....	226.78	
26 24 19 00-0333	EA	Control Relays, Fixed Mounted Back Pan, 20" Structure With Wireway.....	339.24	
26 24 19 00-0334	EA	Control Relays, Fixed Mounted Back Pan, 24" Structure With Wireway.....	382.35	
26 24 19 00-0335	EA	Control Relays, Fixed Mounted Back Pan, 280" Structure With Wireway.....	425.45	
26 24 19 00-0336	EA	Control Relays, Fixed Mounted Back Pan, 20" Structure Without Wireway.....	382.35	
26 24 19 00-0337	EA	Control Relays, Fixed Mounted Back Pan, 24" Structure Without Wireway.....	425.45	
26 24 19 00-0338	EA	Control Relays, Fixed Mounted Back Pan, 2820" Structure Without Wireway.....	447.95	

26 24 19 00-0339 Circuit Breaker Modifications/Accessories (26 24 19 00-0268)

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0340	EA	Shunt Trip, Circuit Breaker	412.69	
26 24 19 00-0341	EA	Auxiliary Switch, Circuit Breaker	142.54	
26 24 19 00-0342	EA	Key Interlock, Circuit Breaker	512.70	
26 24 19 00-0343	EA	GFR Ground Fault, Circuit Breaker	2,363.46	
26 24 19 00-0344	EA	Seltronic Breaker, Circuit Breaker	1,369.11	
26 24 19 00-0345 Incoming Line And Feeder Circuit Breakers (26 24 19 00-0268)				
26 24 19 00-0346	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100	1,605.06	69.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	41.82	
26 24 19 00-0347	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 150	2,782.81	107.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	64.34	
26 24 19 00-0348	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100/100	2,689.48	69.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	41.82	
26 24 19 00-0349	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100/150	3,864.95	107.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	64.34	
26 24 19 00-0350	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 150/150	4,969.91	107.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	64.34	
26 24 19 00-0351	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 250	3,057.24	139.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	83.66	
26 24 19 00-0352	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 400	4,973.56	150.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	90.09	
26 24 19 00-0353	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 600	6,561.32	193.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	115.76	
26 24 19 00-0354	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 800	7,706.01	294.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	176.99	
26 24 19 00-0355	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 1200	10,908.44	445.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	267.22	
26 24 19 00-0356	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 2000	23,983.20	589.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	353.56	
26 24 19 00-0357	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 2500	35,862.34	739.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	443.52	
26 24 19 00-0358	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 3000	59,898.89	857.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	515.15	
26 24 19 00-0359	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50	1,931.53	69.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	41.82	
26 24 19 00-0360	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 150	3,100.15	107.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	64.34	
26 24 19 00-0361	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50	1,931.53	69.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	41.82	
26 24 19 00-0362	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50/50	3,100.15	107.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	64.34	
26 24 19 00-0363	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50/150	3,294.47	69.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	41.82	
26 24 19 00-0364	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 150/150	4,508.74	107.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	64.34	
26 24 19 00-0365	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50	5,600.01	107.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	64.34	
26 24 19 00-0366	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 100	2,942.62	107.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	64.34	
26 24 19 00-0367	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 400	7,450.31	294.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	176.99	
26 24 19 00-0368	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 125-225	7,450.31	294.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	176.99	
26 24 19 00-0369	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 125-400	10,048.99	321.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	192.93	
26 24 19 00-0370	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 300-600	12,553.29	375.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	225.09	
26 24 19 00-0371	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 300-800	14,442.50	445.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	267.22	
26 24 19 00-0372 Incoming Line And Feeder Fusible Switches (26 24 19 00-0268)				
26 24 19 00-0373	EA	30 To 60 Amperes, Incoming Line And Feeder Fusible Switches	1,972.23	107.23
26 24 19 00-0374	EA	Incoming Line And Feeder Fusible Switches, 30 Dual / 60 Dual	3,065.23	107.23
26 24 19 00-0375	EA	100 Amperes, Incoming Line And Feeder Fusible Switches	2,774.78	134.04
26 24 19 00-0376	EA	200 Amperes, Incoming Line And Feeder Fusible Switches	4,520.16	160.84
26 24 19 00-0377	EA	400 Amperes, Incoming Line And Feeder Fusible Switches	8,925.38	203.73
26 24 19 00-0378	EA	600 Amperes, Incoming Line And Feeder Fusible Switches	12,521.80	268.07
26 24 19 00-0379	EA	800 Amperes, Incoming Line And Feeder Fusible Switches	30,494.85	359.22
26 24 19 00-0380	EA	1,200 Amperes, Incoming Line And Feeder Fusible Switches	34,392.82	498.62
26 24 19 00-0381 Dry Type Distribution Transformers (26 24 19 00-0268)				
26 24 19 00-0382	EA	500 VA, Phase 1, Dry Type Distribution Transformers	1,556.99	
26 24 19 00-0383	EA	750 VA, Phase 1, Dry Type Distribution Transformers	1,607.22	
26 24 19 00-0384	EA	1,000 VA, Phase 1, Dry Type Distribution Transformers	1,659.73	
26 24 19 00-0385	EA	1,500 VA, Phase 1, Dry Type Distribution Transformers	1,904.00	
26 24 19 00-0386	EA	2,000 VA, Phase 1, Dry Type Distribution Transformers	2,063.81	
26 24 19 00-0387	EA	3,000 VA, Phase 1, Dry Type Distribution Transformers	2,671.50	
26 24 19 00-0388	EA	5,000 VA, Phase 1, Dry Type Distribution Transformers	2,808.06	
26 24 19 00-0389	EA	7,500 VA, Phase 1, Dry Type Distribution Transformers	3,164.21	
26 24 19 00-0390	EA	9,000 VA, Phase 3, Dry Type Distribution Transformers	7,355.76	
26 24 19 00-0391	EA	10,000 VA, Phase 1, Dry Type Distribution Transformers	3,903.89	
26 24 19 00-0392	EA	15,000 VA, Phase 1, Dry Type Distribution Transformers	5,408.38	
26 24 19 00-0393	EA	15,000 VA, Phase 3, Dry Type Distribution Transformers	8,428.76	
26 24 19 00-0394	EA	20,000 VA, Phase 1, Dry Type Distribution Transformers	7,805.51	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 24 19 00-0395	EA	30,000 VA, Phase 1, Dry Type Distribution Transformers	10,816.76	
26 24 19 00-0396	EA	30,000 VA, Phase 3, Dry Type Distribution Transformers	12,772.43	
26 24 19 00-0397	EA	45,000 VA, Phase 1, Dry Type Distribution Transformers	17,692.19	

26 24 19 00-0398 Metering Equipment (26 24 19 00-0268)

26 24 19 00-0399	EA	Metering Equipment, Voltmeter, Panel Type	735.12	
26 24 19 00-0400	EA	Metering Equipment, Voltmeter, Switchboard Type	1,607.22	
26 24 19 00-0401	EA	Metering Equipment, Ammeter, Panel	662.06	
26 24 19 00-0402	EA	Metering Equipment, Ammeter, Switchboard Type	1,607.22	
26 24 19 00-0403	EA	Metering Equipment, Voltmeter/Ammeter, Switch	892.64	
26 24 19 00-0404	EA	Metering Equipment, Control Switch, 4 Circuits	947.44	
26 24 19 00-0405	EA	Add For Additional Circuits	136.94	
26 24 19 00-0406	EA	Metering Equipment, Indicating Wattmeter	3,314.89	
26 24 19 00-0407	EA	Metering Equipment, Indicating Power Factor	3,472.41	
26 24 19 00-0408	EA	Metering Equipment, Integrating Watt-hour	3,061.48	
26 24 19 00-0409	EA	Add For Demand Attachment	896.31	
26 24 19 00-0410	EA	800 Amperes, Metering Equipment, Current Transformer	915.47	
26 24 19 00-0411	EA	1,000 Amperes, Metering Equipment, Current Transformer	1,579.82	
26 24 19 00-0412	EA	2,000 Amperes, Metering Equipment, Current Transformer	1,840.08	
26 24 19 00-0413	EA	Metering Equipment, Potential Transformer	1,534.16	
26 24 19 00-0414	EA	Metering Equipment, Surge Arrester	1,650.59	
26 24 19 00-0415	EA	Metering Equipment, Ground Detector System	1,262.49	

26 24 19 00-0416 Current Limiting Reactors (26 24 19 00-0268)

26 24 19 00-0417	EA	600 Amperes, Current Limiting Reactors	28,178.82	
26 24 19 00-0418	EA	800 Amperes, Current Limiting Reactors	41,036.56	
26 24 19 00-0419	EA	1,000 Amperes, Current Limiting Reactors	53,923.98	
26 24 19 00-0420	EA	1,200 Amperes, Current Limiting Reactors	82,082.24	

26 24 19 00-0421 Incoming Line Cable Space Requirements, Main Lugs Only (26 24 19 00-0268)

26 24 19 00-0422	EA	Incoming Line Cable Space Requirement, 350 MCC, 2 Screw	490.11	
26 24 19 00-0423	EA	Incoming Line Cable Space Requirement, 350 MCC, 2 Crimp	490.11	
26 24 19 00-0424	EA	Incoming Line Cable Space Requirement, 350 MCC, 4 Screw	677.57	
26 24 19 00-0425	EA	Incoming Line Cable Space Requirement, 350 MCC, 4 Crimp	1,239.95	
26 24 19 00-0426	EA	Incoming Line Cable Space Requirement, 600 MCC, 2 Screw	677.57	
26 24 19 00-0427	EA	Incoming Line Cable Space Requirement, 600 MCC, 2 Crimp	865.03	
26 24 19 00-0428	EA	Incoming Line Cable Space Requirement, 600 MCC, 4 Screw	865.03	
26 24 19 00-0429	EA	Incoming Line Cable Space Requirement, 600 MCC, 4 Crimp	1,237.69	
26 24 19 00-0430	EA	Incoming Line Cable Space Requirement, 750 MCC, 2 Screw	865.03	
26 24 19 00-0431	EA	Incoming Line Cable Space Requirement, 750 MCC, 2 Crimp	1,237.69	
26 24 19 00-0432	EA	Incoming Line Cable Space Requirement, 750 MCC, 4 Screw	1,052.49	
26 24 19 00-0433	EA	Incoming Line Cable Space Requirement, 750 MCC, 4 Crimp	3,412.69	
26 24 19 00-0434	EA	Incoming Line Cable Space Requirement, 1,000 MCC, 2 Screw	1,052.49	
26 24 19 00-0435	EA	Incoming Line Cable Space Requirement, 1,000 MCC, 2 Crimp	1,237.69	
26 24 19 00-0436	EA	Incoming Line Cable Space Requirement, 1,000 MCC, 4 Screw	3,412.69	
26 24 19 00-0437	EA	Incoming Line Cable Space Requirement, 1,000 MCC, 4 Crimp	3,412.69	
26 24 19 00-0438	EA	Bus Duct Transition Pull Box	1,166.96	
26 24 19 00-0439	EA	Throat And Transition To Substation	2,252.80	
26 24 19 00-0440	EA	Service Entrance Label	487.87	
26 24 19 00-0441	EA	Type W To 5 Star - 10" Transition	1,019.78	
26 24 19 00-0442	EA	600 Amperes, Sub Feed Lugs On Main Bus	595.05	

26 24 19 00-0443 Standard Structures And Structure Options/Modifications (26 24 19 00-0268)

26 24 19 00-0444	EA	Standard Structure Add For Each Additional 4" Of Structure Width	322.16	
26 24 19 00-0445	EA	Standard Structure Add For 8" Vertical Wireway In Lieu Of 4"	322.16	
26 24 19 00-0446	EA	Standard Structure Single Corner Section "L", 16" Depth	996.61	
26 24 19 00-0447	EA	Standard Structure Single Corner Section "L", 21" Depth	1,124.08	
26 24 19 00-0448	EA	Standard Structure Unused Space/Future Space	96.18	
26 24 19 00-0449	EA	Standard Structure NEMA 12 Dustproof	259.58	
26 24 19 00-0450	EA	Standard Structure Bottom Plate For NEMA 1 Gasket Enclosure	54.47	
26 24 19 00-0451	EA	Standard Structure 150 Watt Space	234.09	
26 24 19 00-0452	EA	Standard Structure Thermostat For Space Heater Control	724.52	
26 24 19 00-0453	EA	Standard Structure Rear Hinged Structure Door, 72" High	234.09	
26 24 19 00-0454	EA	Standard Structure NEMA 2 Drip Shield On Top Of MCC	468.07	
26 24 19 00-0455	EA	Standard Structure NEMA 3R N-Walk In Front Mounted	6,677.52	
26 24 19 00-0456	EA	Standard Structure NEMA 3R N-Walk In Back-to-back	7,718.23	
26 24 19 00-0457	EA	Standard Structure NEMA 3R Walk-In Aisle Front Mounted	7,725.70	

26 24 19 00-0458 Installation Hours For Vertical Sections (26 24 19 00-0268)

26 24 19 00-0459	EA	Install Vertical Section, 230/480 Volt, 1 Section, 600 Amperes	643.36	321.69
26 24 19 00-0460	EA	Install Vertical Section, 230/480 Volt, 2 Section, 600 Amperes	965.03	482.54
26 24 19 00-0461	EA	Install Vertical Section, 230/480 Volt, 3 Section, 600 Amperes	1,072.30	536.16
26 24 19 00-0462	EA	Install Vertical Section, 230/480 Volt, 4 Section, 600 Amperes	1,286.88	643.39
26 24 19 00-0463	EA	Bolt To Floor, Vertical Section, 230/480 Volt, 600 Amperes	107.23	53.61
26 24 19 00-0464	EA	Install Vertical Section, 230/480 Volt, 1 Section, 800 Amperes	643.36	321.69
26 24 19 00-0465	EA	Install Vertical Section, 230/480 Volt, 2 Section, 800 Amperes	965.03	482.54
26 24 19 00-0466	EA	Install Vertical Section, 230/480 Volt, 3 Section, 800 Amperes	1,072.30	536.16
26 24 19 00-0467	EA	Install Vertical Section, 230/480 Volt, 4 Section, 800 Amperes	1,286.88	643.39
26 24 19 00-0468	EA	Bolt To Floor, Vertical Section, 230/480 Volt, 800 Amperes	107.23	53.61

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0469	EA	Install Vertical Section, 230/480 Volt, 1 Section, 1,200 Amperes	750.63	375.30
26 24 19 00-0470	EA	Install Vertical Section, 230/480 Volt, 2 Section, 1,200 Amperes	965.03	482.54
26 24 19 00-0471	EA	Install Vertical Section, 230/480 Volt, 3 Section, 1,200 Amperes	1,286.88	643.39
26 24 19 00-0472	EA	Install Vertical Section, 230/480 Volt, 4 Section, 1,200 Amperes	1,501.04	750.51
26 24 19 00-0473	EA	Bolt To Floor, Vertical Section, 230/480 Volt, 1,200 Amperes	160.84	80.42
26 24 19 00-0474	EA	Install Vertical Section, 230/480 Volt, 1 Section, 1,600 Amperes	857.85	428.92
26 24 19 00-0475	EA	Install Vertical Section, 230/480 Volt, 2 Section, 1,600 Amperes	1,179.63	589.77
26 24 19 00-0476	EA	Install Vertical Section, 230/480 Volt, 3 Section, 1,600 Amperes	1,501.04	750.51
26 24 19 00-0477	EA	Install Vertical Section, 230/480 Volt, 4 Section, 1,600 Amperes	1,715.40	857.74
26 24 19 00-0478	EA	Bolt To Floor, Vertical Section, 230/480 Volt, 1,600 Amperes	214.46	107.23
26 24 19 00-0479	EA	Install Vertical Section, 230/480 Volt, 1 Section, 2,000 Amperes	857.85	428.92
26 24 19 00-0480	EA	Install Vertical Section, 230/480 Volt, 2 Section, 2,000 Amperes	1,286.88	643.39
26 24 19 00-0481	EA	Install Vertical Section, 230/480 Volt, 3 Section, 2,000 Amperes	1,608.29	804.12
26 24 19 00-0482	EA	Install Vertical Section, 230/480 Volt, 4 Section, 2,000 Amperes	1,823.04	911.57
26 24 19 00-0483	EA	Bolt To Floor, Vertical Section, 230/480 Volt, 2,000 Amperes	214.46	107.23
26 24 19 00-0484	Motor Control Centers (26 24 19)			
26 24 19 00-0485	2.4 KV Motor Control Centers (26 24 19 00-0484)			
26 24 19 00-0486	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 100 To 300 Hp	15,544.53	214.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	128.68	
26 24 19 00-0487	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 400 Hp	15,544.53	214.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	128.68	
26 24 19 00-0488	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 600 Hp	15,544.53	214.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	128.68	
26 24 19 00-0489	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 700 Hp	15,598.18	241.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	144.77	
26 24 19 00-0490	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,000 Hp	16,567.03	268.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	160.85	
26 24 19 00-0491	EA	2,400 KV CL 11-202, Squirrel Cage Motor Control, 1,250 Hp	16,620.62	294.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	176.93	
26 24 19 00-0492	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,500 Hp	16,674.23	321.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	193.01	
26 24 19 00-0493	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,750 Hp	16,781.50	375.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	225.19	
26 24 19 00-0494	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,000 Hp	16,888.72	428.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	257.36	
26 24 19 00-0495	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,250 Hp	28,404.25	482.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	289.51	
26 24 19 00-0496	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,500 Hp	30,489.96	536.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	321.69	
26 24 19 00-0497	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 100 Hp	23,047.79	214.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	128.68	
26 24 19 00-0498	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 150 Hp	24,011.87	230.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	138.33	
26 24 19 00-0499	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 200 Hp	27,277.56	251.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	151.19	
26 24 19 00-0500	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 300 Hp	30,360.60	268.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	160.85	
26 24 19 00-0501	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 400 Hp	33,035.01	310.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	186.59	
26 24 19 00-0502	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 600 Hp	36,193.45	332.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	199.45	
26 24 19 00-0503	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 700 Hp	39,350.03	353.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	212.31	
26 24 19 00-0504	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 1,000 Hp	43,095.78	386.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	231.62	
26 24 19 00-0505	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 1,250 Hp	50,146.75	428.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	257.36	
26 24 19 00-0506	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 1,500 Hp	54,329.25	455.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	273.46	
26 24 19 00-0507	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 1,750 Hp	82,946.20	536.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	321.69	
26 24 19 00-0508	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 2,000 Hp	88,378.66	589.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	353.89	
26 24 19 00-0509	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 2,250 Hp	93,108.42	643.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	386.06	
26 24 19 00-0510	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 2,500 Hp	101,384.68	697.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	418.27	
26 24 19 00-0511	EA	2.4 KV CL 14-202, Synchronous Motor Control, 100 To 300 Hp	21,747.94	214.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	128.68	
26 24 19 00-0512	EA	2.4 KV CL 14-202, Synchronous Motor Control, 400 Hp	21,801.59	241.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	144.77	
26 24 19 00-0513	EA	2.4 KV CL 14-202, Synchronous Motor Control, 600 Hp	21,855.18	268.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	160.85	
26 24 19 00-0514	EA	2.4 KV CL 14-202, Synchronous Motor Control, 700 Hp	21,908.77	294.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	176.93	
26 24 19 00-0515	EA	2.4 KV CL 14-202, Synchronous Motor Control, 1,000 Hp	21,966.08	321.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	193.01	
26 24 19 00-0516	EA	2,400 Volt CL 14-202, Synchronous Motor Control, 1,250 HP	22,019.74	348.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	209.11	
26 24 19 00-0517	EA	2.4 KV CL 14-202, Synchronous Motor Control, 1,500 Hp	22,073.35	375.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	225.19	
26 24 19 00-0518	EA	2.4 KV CL 14-202, Synchronous Motor Control, 1,750 Hp	22,287.75	482.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	289.51	
26 24 19 00-0519	EA	2.4 KV CL 14-202, Synchronous Motor Control, 2,000 Hp	37,932.20	536.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	321.69	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 24 19 00-0520	EA	2.4 KV CL 14-202, Synchronous Motor Control, 2,250 Hp	38,039.53	589.77
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	353.89	
26 24 19 00-0521	EA	2.4 KV CL 14-202, Synchronous Motor Control, 2,500 Hp	40,114.12	643.39
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	386.06	
26 24 19 00-0522	EA	Add For Reversing Starters, 100 To 700 HP	8,553.47	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	64.34	
26 24 19 00-0523	EA	Add For Reversing Starters, 1,000 To 1,500 Hp	8,812.33	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	64.34	
26 24 19 00-0524	EA	Add For Reversing Starters, 1,750 To 2,500 HP	13,481.06	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	64.34	

26 24 19 00-0525 4.8 KV Motor Control Centers (26 24 19 00-0484)

26 24 19 00-0526	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 100 To 600 HP	16,933.09	321.69
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	193.01	
26 24 19 00-0527	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 700 HP	16,986.75	348.50
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	209.11	
26 24 19 00-0528	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,000 HP	17,040.36	375.30
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	225.19	
26 24 19 00-0529	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,250 HP	17,094.00	402.11
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	241.28	
26 24 19 00-0530	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,500 HP	18,053.59	428.92
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	257.36	
26 24 19 00-0531	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,750 HP	18,107.26	455.73
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	273.46	
26 24 19 00-0532	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,000 HP	18,160.77	482.54
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	289.51	
26 24 19 00-0533	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,250 HP	18,214.48	509.35
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	305.62	
26 24 19 00-0534	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,500 HP	18,268.04	536.16
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	321.69	
26 24 19 00-0535	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 3,000 HP	30,913.59	697.11
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	418.27	
26 24 19 00-0536	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 3,500 HP	31,020.39	750.51
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	450.31	
26 24 19 00-0537	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 4,000 HP	33,096.83	804.12
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	482.49	
26 24 19 00-0538	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 4,500 HP	33,203.94	857.74
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	514.62	
26 24 19 00-0539	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 100 HP	23,524.79	321.69
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	193.01	
26 24 19 00-0540	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 150 HP	23,837.31	348.50
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	209.11	
26 24 19 00-0541	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 200 HP	27,792.32	375.30
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	225.19	
26 24 19 00-0542	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 300 HP	30,887.57	402.11
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	241.28	
26 24 19 00-0543	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 400 HP	33,529.75	428.92
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	257.36	
26 24 19 00-0544	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 600 HP	36,698.99	455.73
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	273.46	
26 24 19 00-0545	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 700 HP	39,673.93	482.54
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	289.51	
26 24 19 00-0546	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,000 HP	43,601.30	509.35
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	305.62	
26 24 19 00-0547	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,250 HP	50,496.18	536.16
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	321.69	
26 24 19 00-0548	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,500 HP	55,183.42	562.96
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	337.78	
26 24 19 00-0549	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,750 HP	59,924.29	616.58
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	369.96	
26 24 19 00-0550	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 2,000 HP	63,840.54	643.39
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	386.06	
26 24 19 00-0551	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 2,250 HP	67,534.74	670.19
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	402.12	
26 24 19 00-0552	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 2,500 HP	72,701.08	697.11
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	418.27	
26 24 19 00-0553	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 3,000 HP	115,198.03	857.74
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	514.62	
26 24 19 00-0554	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 3,500 HP	128,100.78	911.57
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	546.91	
26 24 19 00-0555	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 4,000 HP	153,955.19	965.07
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	579.02	
26 24 19 00-0556	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 4,500 HP	162,839.65	965.07
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	579.02	
26 24 19 00-0557	EA	4.8 KV CL 14-202, Synchronous Motor Control, 100 To 600 HP	23,240.07	375.30
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	225.19	
26 24 19 00-0558	EA	4.8 KV CL 14-202, Synchronous Motor Control, 700 HP	23,293.71	402.11
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	241.28	
26 24 19 00-0559	EA	4.8 KV CL 14-202, Synchronous Motor Control, 1,000 HP	23,347.29	428.92
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	257.36	
26 24 19 00-0560	EA	4.8 KV CL 14-202, Synchronous Motor Control, 1,250 HP	23,400.96	455.73
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	273.46	
26 24 19 00-0561	EA	4.8 KV CL 14-202, Synchronous Motor Control, 1,500 HP	25,403.32	482.54
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	289.51	
26 24 19 00-0562	EA	4.8 KV CL 14-202, Synchronous Motor Control, 1,750 HP	25,457.03	509.35
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	305.62	
26 24 19 00-0563	EA	4.8 KV CL 14-202, Synchronous Motor Control, 2,000 HP	25,510.59	536.16
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	321.69	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0564	EA	4.8 KV CL 14-202, Synchronous Motor Control, 2,250 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25,564.23 337.78	562.96
26 24 19 00-0565	EA	4.8 KV CL 14-202, Synchronous Motor Control, 2,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25,617.92 353.89	589.77
26 24 19 00-0566	EA	4.8 KV CL 14-202, Synchronous Motor Control, 3,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25,939.33 450.31	750.51
26 24 19 00-0567	EA	4.8 KV CL 14-202, Synchronous Motor Control, 3,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41,842.62 482.49	804.12
26 24 19 00-0568	EA	4.8 KV CL 14-202, Synchronous Motor Control, 4,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43,909.67 514.62	857.74
26 24 19 00-0569	EA	4.8 KV CL 14-202, Synchronous Motor Control, 4,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43,909.67 514.62	857.74
26 24 19 00-0570	EA	Add For Reversing Starters, 100 To 1,250 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,400.59 64.34	
26 24 19 00-0571	EA	Add For Reversing Starters, 1,500 To 2,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,716.79 64.34	
26 24 19 00-0572	EA	Add For Reversing Starters, 3,000 To 4,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,419.67 64.34	
26 24 19 00-0573		2.4/4.8 KV Motor Control Centers, Accessories (26 24 19 00-0484)		
26 24 19 00-0574	EA	2.4/4.8 KV Load Break Disconnect Switch 600 Amperes	13,528.60	214.46
26 24 19 00-0575	EA	2.4/4.8 KV Load Break Disconnect Switch 1,200 Amperes	16,252.30	321.69
26 24 19 00-0576	EA	2.4/4.8 KV NEMA 3 Weather Resistant	5,332.47	
26 24 19 00-0577	EA	2.4/4.8 KV Space Heaters	258.83	16.08
26 24 19 00-0578	EA	2.4/4.8 KV Potential Transformer Fused	1,544.86	
26 24 19 00-0579	EA	2.4/4.8 KV Current Transformer 600 Volt, 5 KVA	828.89	
26 24 19 00-0580	EA	2.4/4.8 KV Control Transformer 4 KVA Max	2,468.61	
26 24 19 00-0581	EA	2.4/4.8 KV Pushbuttons Each	158.10	
26 24 19 00-0582	EA	2.4/4.8 KV Selector Switch Each	523.99	
26 24 19 00-0583	EA	2.4/4.8 KV Indicating Light	158.10	
26 24 19 00-0584	EA	2.4/4.8 KV Push To Test Light	478.82	
26 24 19 00-0585	EA	2.4/4.8 KV AC Voltmeter, Switchboard Type	1,273.83	
26 24 19 00-0586	EA	2.4/4.8 KV AC Ammeter, Switchboard Type	1,273.83	
26 24 19 00-0587	EA	2.4/4.8 KV Power Factor Meter	3,810.20	
26 24 19 00-0588	EA	2.4/4.8 KV Watt Hr Meter, 2 Element Drawout	2,626.71	
26 24 19 00-0589	EA	2.4/4.8 KV Operation Counter	510.98	16.08
26 24 19 00-0590	EA	2.4/4.8 KV Phase Failure Protection	3,680.28	53.61
26 24 19 00-0591	EA	2.4/4.8 KV Ground Protection	7,037.09	26.81
26 24 19 00-0592	EA	2.4/4.8 KV Synchronous Motor DC Protection	2,575.65	26.81
26 24 19 00-0593	EA	2.4/4.8 KV Lightning Arresters	5,492.19	16.08
26 24 19 00-0594	EA	2.4/4.8 KV Portable Lifting Mechanism	7,958.93	
26 24 19 00-0595	EA	2.4/4.8 KV Auxiliary Timing Relay	771.19	53.61
26 24 19 00-0596	EA	2.4/4.8 KV Auxiliary Control Relay	546.30	53.61
26 24 19 00-0597		Incoming Section And Feeder Air Circuit Breakers (26 24 19 00-0484)		
Note: 3 Pole. Includes structure.				
26 24 19 00-0598	EA	Incoming Section MCC, Air Circuit Breaker, 70 - 100 Amperes, 14,000 Ampere IC, 3-Pole, With Structure Included	1,207.62	321.60
26 24 19 00-0599	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 225 Amperes, 22,000 Ampere IC, 3-Pole, With Structure Included	2,095.85	569.26
26 24 19 00-0600	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included	2,505.74	728.88
26 24 19 00-0601	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 600 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included	4,021.96	1,173.72
26 24 19 00-0602	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 1,200 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included	4,730.64	1,291.10
26 24 19 00-0603	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 2,000 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included	6,104.30	1,431.94
26 24 19 00-0604	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amperes, 45,000 Ampere IC, 3-Pole, With Structure Included	7,104.52	1,678.42
26 24 19 00-0605	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amperes, 100,000 Ampere IC, 3-Pole, With Structure Included	12,274.53	1,955.42
26 24 19 00-0606		Main Lugs Only (26 24 19 00-0484)		
26 24 19 00-0607	EA	600 Amperes Incoming Section, Main Lugs	962.81	410.81
26 24 19 00-0608	EA	800 Amperes Incoming Section, Main Lugs	1,045.90	410.81
26 24 19 00-0609	EA	1,200 Amperes Incoming Section, Main Lugs	1,467.30	645.54
26 24 19 00-0610	EA	2,000 Amperes Incoming Section, Main Lugs	3,594.37	1,173.72
26 24 19 00-0611	EA	3,000 Amperes Incoming Section, Main Lugs	5,465.40	1,701.89
26 24 19 00-0612	EA	4,000 Amperes Incoming Section, Main Lugs	7,800.94	2,347.45
26 24 19 00-0613		Incoming Main Circuit Breaker Structure (26 24 19 00-0484)		
Note: Includes structure, main breaker, 42 KA bus bracing, 600 A tin plated copper bus, NEMA 1 enclosure, 15" cabinet depth, and 1/4" x 2" tin plated copper horizontal ground bus.				
26 24 19 00-0614	EA	225 Amperes, Main Circuit Breaker Section	6,421.26	567.97
		<i>For NEMA 1 With Gaskets, Add</i>	97.00	
		<i>For 800 Amperes, Tin Plated Copper Bus, Add</i>	182.00	
		<i>For 20" Cabinet Depth, Add</i>	108.00	
		<i>For NEMA 12, Add</i>	245.00	
		<i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i>	334.00	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
26 24 19 00-0615	EA 400 Amperes, Main Circuit Breaker Section For NEMA 1 With Gaskets, Add For 800 Amperes, Tin Plated Copper Bus, Add For 20" Cabinet Depth, Add For NEMA 12, Add For 1,200 Amperes, Tin Plated Copper Bus, Add	13,613.44		729.59	
26 24 19 00-0616	EA 600 Amperes, Main Circuit Breaker Section For NEMA 1 With Gaskets, Add For 800 Amperes, Tin Plated Copper Bus, Add For 20" Cabinet Depth, Add For NEMA 12, Add For 1,200 Amperes, Tin Plated Copper Bus, Add	14,148.71		1,136.39	
26 24 19 00-0617	EA 800 Amperes, Main Circuit Breaker Section For NEMA 1 With Gaskets, Add For 800 Amperes, Tin Plated Copper Bus, Add For 20" Cabinet Depth, Add For NEMA 12, Add For 1,200 Amperes, Tin Plated Copper Bus, Add	20,085.74		1,136.39	
26 24 19 00-0618	EA 1,200 Amperes, Main Circuit Breaker Section For NEMA 1 With Gaskets, Add For 800 Amperes, Tin Plated Copper Bus, Add For 20" Cabinet Depth, Add For NEMA 12, Add For 1,200 Amperes, Tin Plated Copper Bus, Add	29,058.68		1,285.82	
26 24 19 00-0619 Incoming Fusible Main Disconnect Section (26 24 19 00-0484)					
Note: Includes structure, fuses, 42 KA bus bracing, 600 A tin plated copper bus, NEMA 1 enclosure, 15" cabinet depth, and 1/4" x 2" tin plated copper horizontal ground bus.					
26 24 19 00-0620	EA 200 Amperes, Fusible Main Disconnect Section For NEMA 1 With Gaskets, Add For 800 Amperes, Tin Plated Copper Bus, Add For 20" Cabinet Depth, Add For NEMA 12, Add For 1,200 Amperes, Tin Plated Copper Bus, Add	5,578.41		568.67	
26 24 19 00-0621	EA 400 Amperes, Fusible Main Disconnect Section For NEMA 1 With Gaskets, Add For 800 Amperes, Tin Plated Copper Bus, Add For 20" Cabinet Depth, Add For NEMA 12, Add For 1,200 Amperes, Tin Plated Copper Bus, Add	7,700.24		729.94	
26 24 19 00-0622	EA 600 Amperes, Fusible Main Disconnect Section For NEMA 1 With Gaskets, Add For 800 Amperes, Tin Plated Copper Bus, Add For 20" Cabinet Depth, Add For NEMA 12, Add For 1,200 Amperes, Tin Plated Copper Bus, Add	15,032.78		1,137.34	
26 24 19 00-0623	EA 800 Amperes, Fusible Main Disconnect Section For NEMA 1 With Gaskets, Add For 800 Amperes, Tin Plated Copper Bus, Add For 20" Cabinet Depth, Add For NEMA 12, Add For 1,200 Amperes, Tin Plated Copper Bus, Add	17,468.26		1,137.34	
26 24 19 00-0624	EA 1,200 Amperes, Fusible Main Disconnect Section For NEMA 1 With Gaskets, Add For 800 Amperes, Tin Plated Copper Bus, Add For 20" Cabinet Depth, Add For NEMA 12, Add For 1,200 Amperes, Tin Plated Copper Bus, Add	24,590.40		1,286.99	
26 24 19 00-0625 Circuit Breaker Combination Starters (26 24 19 00-0484)					
26 24 19 00-0626 Class I, Type A (26 24 19 00-0625)					
26 24 19 00-0627	EA Size 1, Class I, Type A Circuit Breaker Combination Starter For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,004.78		238.26	
26 24 19 00-0628	EA Size 2, Class I, Type A Circuit Breaker Combination Starter For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,167.88		238.26	
26 24 19 00-0629	EA Size 3, Class I, Type A Circuit Breaker Combination Starter For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,693.34		338.03	
26 24 19 00-0630	EA Size 4, Class I, Type A Circuit Breaker Combination Starter For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2,749.48		444.85	
26 24 19 00-0631	EA Size 5, Class I, Type A Circuit Breaker Combination Starter For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4,907.48		556.34	
26 24 19 00-0632 Class I, Type B (26 24 19 00-0625)					
26 24 19 00-0633	EA Size 1, Class I, Type B Circuit Breaker Combination Starter For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	949.54		207.74	
26 24 19 00-0634	EA Size 2, Class I, Type B Circuit Breaker Combination Starter For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,106.88		207.74	
26 24 19 00-0635	EA Size 3, Class I, Type B Circuit Breaker Combination Starter For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,620.70		300.48	
26 24 19 00-0636	EA Size 4, Class I, Type B Circuit Breaker Combination Starter For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2,675.38		407.28	
26 24 19 00-0637	EA Size 5, Class I, Type B Circuit Breaker Combination Starter For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4,847.72		519.96	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0638		Class I, Type C (26 24 19 00-0625)		
26 24 19 00-0639	EA	Size 1, Class I, Type C Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	998.19 106.32	192.49
26 24 19 00-0640	EA	Size 2, Class I, Type C Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,166.04 124.86	192.49
26 24 19 00-0641	EA	Size 3, Class I, Type C Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,730.65 172.61	287.57
26 24 19 00-0642	EA	Size 4, Class I, Type C Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,792.03 238.56	397.89
26 24 19 00-0643	EA	Size 5, Class I, Type C Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,955.45 305.66	510.57
26 24 19 00-0644		Class II, Type B (26 24 19 00-0625)		
26 24 19 00-0645	EA	Size 1, Class II, Type B Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,010.97 161.23	285.21
26 24 19 00-0646	EA	Size 2, Class II, Type B Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,388.60 180.02	285.21
26 24 19 00-0647	EA	Size 3, Class II, Type B Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,962.43 227.47	380.29
26 24 19 00-0648	EA	Size 4, Class II, Type B Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,188.87 293.43	487.09
26 24 19 00-0649	EA	Size 5, Class II, Type B Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,718.25 357.84	595.08
26 24 19 00-0650		Class II, Type C (26 24 19 00-0625)		
26 24 19 00-0651	EA	Size 1, Class II, Type C Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,252.40 154.44	269.96
26 24 19 00-0652	EA	Size 2, Class II, Type C Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,436.24 168.64	269.96
26 24 19 00-0653	EA	Size 3, Class II, Type C Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,078.18 220.63	368.55
26 24 19 00-0654	EA	Size 4, Class II, Type C Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,296.90 284.89	475.36
26 24 19 00-0655	EA	Size 5, Class II, Type C Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,842.44 353.53	586.86
26 24 19 00-0656		Fused Disconnect Combination Starter (26 24 19 00-0484)		
26 24 19 00-0657		Class I, Type A (26 24 19 00-0656)		
26 24 19 00-0658	EA	Size 1, Class I, Type A Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	918.95 132.18	219.49
26 24 19 00-0659	EA	Size 2, Class I, Type A Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,380.45 180.02	300.48
26 24 19 00-0660	EA	Size 3, Class I, Type A Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,180.26 234.75	390.85
26 24 19 00-0661	EA	Size 4, Class I, Type A Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,984.84 329.70	548.13
26 24 19 00-0662	EA	Size 5, Class I, Type A Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,186.51 419.19	698.36
26 24 19 00-0663		Class I, Type B (26 24 19 00-0656)		
26 24 19 00-0664	EA	Size 1, Class I, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	931.20 117.37	196.01
26 24 19 00-0665	EA	Size 2, Class I, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,254.97 161.23	268.78
26 24 19 00-0666	EA	Size 3, Class I, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,850.70 215.76	359.16
26 24 19 00-0667	EA	Size 4, Class I, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,082.77 312.16	518.78
26 24 19 00-0668	EA	Size 5, Class I, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,268.24 396.53	659.64
26 24 19 00-0669		Class I, Type C (26 24 19 00-0656)		
26 24 19 00-0670	EA	Size 1, Class I, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	981.68 109.90	183.10
26 24 19 00-0671	EA	Size 2, Class I, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,320.32 150.48	248.83
26 24 19 00-0672	EA	Size 3, Class I, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,004.93 209.59	346.25
26 24 19 00-0673	EA	Size 4, Class I, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,235.89 305.66	510.57
26 24 19 00-0674	EA	Size 5, Class I, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,988.07 391.24	652.59
26 24 19 00-0675		Class II, Type B (26 24 19 00-0656)		
26 24 19 00-0676	EA	Size 1, Class II, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,179.10 164.85	274.65
26 24 19 00-0677	EA	Size 2, Class II, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,521.13 205.20	342.72

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
26 24 19 00-0678	EA Size 3, Class II, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,196.67 264.35		441.32	
26 24 19 00-0679	EA Size 4, Class II, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,557.01 357.84		595.08	
26 24 19 00-0680	EA Size 5, Class II, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,054.00 444.59		742.97	
26 24 19 00-0681 Class II, Type C (26 24 19 00-0656)					
26 24 19 00-0682	EA Size 1, Class II, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,219.80 154.44		258.22	
26 24 19 00-0683	EA Size 2, Class II, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,586.07 194.33		323.95	
26 24 19 00-0684	EA Size 3, Class II, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,324.28 252.96		421.36	
26 24 19 00-0685	EA Size 4, Class II, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,694.21 349.32		581.00	
26 24 19 00-0686	EA Size 5, Class II, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,185.21 431.51		719.49	
26 24 19 00-0687 Space Complete With Bus And Hardware (26 24 19 00-0484)					
26 24 19 00-0688 Circuit Breaker Type (26 24 19 00-0687)					
26 24 19 00-0689	EA Circuit Breaker Type, Size 1 Space Complete With Bus And Hardware	285.37		79.81	
26 24 19 00-0690	EA Circuit Breaker Type, Size 2 Space Complete With Bus And Hardware	285.37		79.81	
26 24 19 00-0691	EA Circuit Breaker Type, Size 3 Space Complete With Bus And Hardware	423.86		116.20	
26 24 19 00-0692	EA Circuit Breaker Type, Size 4 Space Complete With Bus And Hardware	504.74		152.59	
26 24 19 00-0693	EA Circuit Breaker Type, Size 5 Space Complete With Bus And Hardware	844.59		232.40	
26 24 19 00-0694 Fused Disconnect Type (26 24 19 00-0687)					
26 24 19 00-0695	EA Fused Disconnect Type, Size 1 Space Complete With Bus And Hardware	285.37		79.81	
26 24 19 00-0696	EA Fused Disconnect Type, Size 2 Space Complete With Bus And Hardware	379.53		116.20	
26 24 19 00-0697	EA Fused Disconnect Type, Size 3 Space Complete With Bus And Hardware	526.43		152.59	
26 24 19 00-0698	EA Fused Disconnect Type, Size 4 Space Complete With Bus And Hardware	905.13		232.40	
26 24 19 00-0699	EA Fused Disconnect Type, Size 5 Space Complete With Bus And Hardware	1,263.30		338.03	
26 24 19 00-0700 Blank Space For Future Expansion (26 24 19 00-0687)					
Note: Factory modified no labor costs.					
26 24 19 00-0701	EA Blank Space For Future Expansion, Size 1 Factory Modified, No Crew Costs	126.33			
26 24 19 00-0702	EA Blank Space For Future Expansion, Size 2 Factory Modified, No Crew Costs	126.33			
26 24 19 00-0703	EA Blank Space For Future Expansion, Size 3 Factory Modified, No Crew Costs	191.53			
26 24 19 00-0704	EA Blank Space For Future Expansion, Size 4 Factory Modified, No Crew Costs	191.53			
26 24 19 00-0705	EA Blank Space For Future Expansion, Size 5 Factory Modified, No Crew Costs	381.03			
26 24 19 00-0706 Structure Combination Of Starters To 72" High (26 24 19 00-0687)					
26 24 19 00-0707	EA Structure Combination Of Starters To 72" High	3,289.15		617.73	
26 24 19 00-0708 Motor Control Center Basic Distribution Section (26 24 19 00-0484)					
26 24 19 00-0709	EA 20" Wide Basic Section With Vertical Wireway <i>For 600 Amperes, Tin Plated Copper Vertical, Add</i> <i>For NEMA 12, Add</i> <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gasket, Add</i> <i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i> <i>For 20" Cabinet Depth, Add</i>	5,573.38 210.00 245.00 182.00 97.00 402.00 334.00 506.00 108.00		1,608.70	
26 24 19 00-0710	EA 25" To 35" Wide Basic Section (No Vertical Wireway) <i>For 600 Amperes, Tin Plated Copper Vertical, Add</i> <i>For NEMA 12, Add</i> <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gasket, Add</i> <i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i> <i>For 20" Cabinet Depth, Add</i>	5,573.38 210.00 245.00 182.00 97.00 402.00 334.00 506.00 108.00		1,608.70	
26 24 19 00-0711	EA 25" Wide Basic Section With 9" Wide Vertical Wireway <i>For 600 Amperes, Tin Plated Copper Vertical, Add</i> <i>For NEMA 12, Add</i> <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gasket, Add</i> <i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i> <i>For 20" Cabinet Depth, Add</i>	6,128.53 210.00 245.00 182.00 97.00 402.00 334.00 506.00 108.00		1,608.70	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0712	EA	Corner Section For 600 Amperes, Tin Plated Copper Vertical, Add For NEMA 12, Add For 800 Amperes, Tin Plated Copper Bus, Add For NEMA 1 With Gasket, Add For 1,600 Amperes, Tin Plated Copper Bus, Add For 1,200 Amperes, Tin Plated Copper Bus, Add For 2,000 Amperes, Tin Plated Copper Bus, Add For 20" Cabinet Depth, Add	6,128.53 210.00 245.00 182.00 97.00 402.00 334.00 506.00 108.00	1,608.70
26 24 19 00-0713		Motor Control Center Starters With HMCP Circuit Breaker (26 24 19 00-0484) Note: Includes door, unit support pan, heater elements, and NEMA 1 with gasket, or NEMA 12 enclosure. Line voltages of 208 V, 240 V, 480 V, and 600 V.		
26 24 19 00-0714		FVNR Starters With HMCP Circuit Breaker (26 24 19 00-0713)		
26 24 19 00-0715	EA	Class 1, Type A, Size 1 FVNR Starters With HMCP Circuit Breaker For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,417.81 135.56	225.95
26 24 19 00-0716	EA	Class 1, Type A, Size 2 FVNR Starters With HMCP Circuit Breaker For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,577.96 150.35	250.59
26 24 19 00-0717	EA	Class 1, Type A, Size 3 FVNR Starters With HMCP Circuit Breaker For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2,721.26 202.13	336.86
26 24 19 00-0718	EA	Class 1, Type A, Size 4 FVNR Starters With HMCP Circuit Breaker For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3,940.49 266.51	444.13
26 24 19 00-0719	EA	Class 1, Type A, Size 5 FVNR Starters With HMCP Circuit Breaker For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8,915.25 333.06	555.06
26 24 19 00-0720	EA	Class 1, Type A, Size 6 FVNR Starters With HMCP Circuit Breaker For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20,741.75 333.06	555.06
26 24 19 00-0721	EA	Class 1, Type B, Size 1 FVNR Starters With HMCP Circuit Breaker For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,426.59 117.25	195.43
26 24 19 00-0722	EA	Class 1, Type B, Size 2 FVNR Starters With HMCP Circuit Breaker For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,608.89 132.04	220.07
26 24 19 00-0723	EA	Class 1, Type B, Size 3 FVNR Starters With HMCP Circuit Breaker For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2,775.75 180.28	300.48
26 24 19 00-0724	EA	Class 1, Type B, Size 4 FVNR Starters With HMCP Circuit Breaker For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3,937.49 244.39	407.28
26 24 19 00-0725	EA	Class 1, Type B, Size 5 FVNR Starters With HMCP Circuit Breaker For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8,927.50 315.52	525.83
26 24 19 00-0726	EA	Class 1, Type B, Size 6 FVNR Starters With HMCP Circuit Breaker For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20,881.26 315.52	525.83
26 24 19 00-0727		Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker (26 24 19 00-0713)		
26 24 19 00-0728	EA	Class 1, Type A, Size 1 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2,259.11 169.61	282.75
26 24 19 00-0729	EA	Class 1, Type A, Size 2 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2,766.52 187.70	312.79
26 24 19 00-0730	EA	Class 1, Type A, Size 3 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4,545.20 252.23	420.43
26 24 19 00-0731	EA	Class 1, Type A, Size 4 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7,794.44 333.44	555.76
26 24 19 00-0732	EA	Class 1, Type A, Size 5 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14,030.69 417.20	695.32
26 24 19 00-0733	EA	Class 1, Type B, Size 1 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2,288.09 146.47	244.14
26 24 19 00-0734	EA	Class 1, Type B, Size 2 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2,818.74 165.16	275.24
26 24 19 00-0735	EA	Class 1, Type B, Size 3 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4,619.53 225.72	376.18
26 24 19 00-0736	EA	Class 1, Type B, Size 4 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7,807.94 305.66	509.39
26 24 19 00-0737	EA	Class 1, Type B, Size 5 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14,061.98 394.75	657.87
26 24 19 00-0738		Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker (26 24 19 00-0713)		
26 24 19 00-0739	EA	Class 1, Type A, Size 1 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2,471.36 169.61	282.75
26 24 19 00-0740	EA	Class 1, Type A, Size 2 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3,503.72 187.70	312.79
26 24 19 00-0741	EA	Class 1, Type A, Size 3 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6,587.02 252.23	420.43
26 24 19 00-0742	EA	Class 1, Type A, Size 4 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8,967.45 333.44	555.76
26 24 19 00-0743	EA	Class 1, Type A, Size 5 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17,914.81 417.20	695.32
26 24 19 00-0744	EA	Class 1, Type B, Size 1 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2,500.33 146.47	244.14
26 24 19 00-0745	EA	Class 1, Type B, Size 2 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3,555.95 165.16	275.24
26 24 19 00-0746	EA	Class 1, Type B, Size 3 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6,661.35 225.72	376.18
26 24 19 00-0747	EA	Class 1, Type B, Size 4 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8,980.96 305.66	509.39
26 24 19 00-0748	EA	Class 1, Type B, Size 5 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17,946.10 394.75	657.87

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 24 19 00-0749	Motor Control Center Starters With Fusible Disconnect (26 24 19 00-0484)			
Note: Includes fuses, door, unit support pan, heater elements, and NEMA 1 with gasket, or NEMA 12 enclosure. Line voltages of 208 V, 240 V, 480 V, and 600 V.				
26 24 19 00-0750	FVNR Starters With Fusible Disconnect (26 24 19 00-0749)			
26 24 19 00-0751	EA	Class 1, Type A, Size 1 FVNR Starters With Fusible Disconnect.....	1,149.50	220.30
26 24 19 00-0752	EA	Class 1, Type A, Size 2 FVNR Starters With Fusible Disconnect.....	1,500.18	299.41
26 24 19 00-0753	EA	Class 1, Type A, Size 3 FVNR Starters With Fusible Disconnect.....	2,485.45	390.14
26 24 19 00-0754	EA	Class 1, Type A, Size 4 FVNR Starters With Fusible Disconnect.....	4,175.16	549.53
26 24 19 00-0755	EA	Class 1, Type A, Size 5 FVNR Starters With Fusible Disconnect.....	8,329.28	698.59
26 24 19 00-0756	EA	Class 1, Type A, Size 6 FVNR Starters With Fusible Disconnect.....	20,956.57	698.59
26 24 19 00-0757	EA	Class 1, Type B, Size 1 FVNR Starters With Fusible Disconnect.....	1,168.49	195.31
26 24 19 00-0758	EA	Class 1, Type B, Size 2 FVNR Starters With Fusible Disconnect.....	1,529.75	268.19
26 24 19 00-0759	EA	Class 1, Type B, Size 3 FVNR Starters With Fusible Disconnect.....	2,551.59	359.63
26 24 19 00-0760	EA	Class 1, Type B, Size 4 FVNR Starters With Fusible Disconnect.....	4,187.46	520.31
26 24 19 00-0761	EA	Class 1, Type B, Size 5 FVNR Starters With Fusible Disconnect.....	8,324.50	660.92
26 24 19 00-0762	EA	Class 1, Type B, Size 6 FVNR Starters With Fusible Disconnect.....	21,079.14	660.92
26 24 19 00-0763	Two Speed 2-Winding (TS2W) With Fusible Disconnect (26 24 19 00-0749)			
26 24 19 00-0764	EA	Class 1, Type A, Size 1 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	1,965.13	275.83
26 24 19 00-0765	EA	Class 1, Type A, Size 2 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	2,736.60	374.30
26 24 19 00-0766	EA	Class 1, Type A, Size 3 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	4,223.66	487.44
26 24 19 00-0767	EA	Class 1, Type A, Size 4 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	8,804.84	688.86
26 24 19 00-0768	EA	Class 1, Type A, Size 5 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	14,279.17	806.11
26 24 19 00-0769	EA	Class 1, Type B, Size 1 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	2,006.98	244.14
26 24 19 00-0770	EA	Class 1, Type B, Size 2 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	2,785.33	334.98
26 24 19 00-0771	EA	Class 1, Type B, Size 3 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	4,311.61	450.01
26 24 19 00-0772	EA	Class 1, Type B, Size 4 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	8,831.72	649.18
26 24 19 00-0773	EA	Class 1, Type B, Size 5 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	14,293.40	760.22
26 24 19 00-0774	Two Speed 1-Winding (TS1W) With Fusible Disconnect (26 24 19 00-0749)			
26 24 19 00-0775	EA	Class 1, Type A, Size 1 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	2,284.91	275.83
26 24 19 00-0776	EA	Class 1, Type A, Size 2 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	3,485.12	374.30
26 24 19 00-0777	EA	Class 1, Type A, Size 3 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	6,286.70	487.44
26 24 19 00-0778	EA	Class 1, Type A, Size 4 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	9,234.99	688.86
26 24 19 00-0779	EA	Class 1, Type A, Size 5 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	17,373.73	806.11
26 24 19 00-0780	EA	Class 1, Type B, Size 1 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	2,327.71	244.14
26 24 19 00-0781	EA	Class 1, Type B, Size 2 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	3,533.85	334.98
26 24 19 00-0782	EA	Class 1, Type B, Size 3 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	6,374.65	450.01
26 24 19 00-0783	EA	Class 1, Type B, Size 4 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	9,261.87	649.18
26 24 19 00-0784	EA	Class 1, Type B, Size 5 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	17,387.97	760.22
26 24 19 00-0785	Tin Plated Copper Bus Bar And Ground Bus Bar Splice Kit (26 24 19 00-0484)			
Note: Per section. Labor is included in basic distribution section.				
26 24 19 00-0786	EA	600 Amperes, Horizontal Tin Plated Copper Bus Kit.....	244.48	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add			8.82	
26 24 19 00-0787	EA	800 Amperes, Horizontal Tin Plated Copper Bus Kit.....	299.19	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add			8.82	
26 24 19 00-0788	EA	1,200 Amperes, Horizontal Tin Plated Copper Bus Kit.....	359.77	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add			10.58	
26 24 19 00-0789	EA	1,600 Amperes, Horizontal Tin Plated Copper Bus Kit.....	467.31	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add			10.58	
26 24 19 00-0790	EA	2,000 Amperes, Horizontal Tin Plated Copper Bus Kit.....	782.60	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add			12.35	
26 24 19 00-0791	EA	1/4" x 2" Horizontal Tin Plated Copper Ground Bus Kit.....	140.48	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add			7.05	
26 24 19 00-0792	Disconnect Switch For Motor Control Centers (26 24 19 00-0484)			
26 24 19 00-0793	3 Pole Circuit Breaker Disconnect For Motor Control Center (26 24 19 00-0792)			
Note: Includes door, unit support pan, inverse time (Thermal Magnetic) circuit breaker, and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Class 1 type A (no starters).				
26 24 19 00-0794	EA	150 Amperes Rating, 15 To 100 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect.....	930.34	169.61
26 24 19 00-0795	EA	150 Amperes Rating, 125 To 150 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect.....	1,622.17	187.80
26 24 19 00-0796	EA	225 Amperes Rating, 70 To 225 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect.....	1,980.30	252.94
26 24 19 00-0797	EA	400 Amperes Rating, 125 To 400 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect.....	3,281.22	333.34
26 24 19 00-0798	EA	600 Amperes Rating, 300 To 600 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect.....	5,660.33	416.67
26 24 19 00-0799	EA	800 Amperes Rating, 400 To 800 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect.....	6,453.83	416.67
26 24 19 00-0800	EA	1,200 Amperes Rating, 600 To 1,200 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect.....	13,277.59	521.72
26 24 19 00-0801	Fusible Disconnect Switch For Motor Control Center (26 24 19 00-0792)			
Note: Includes door, unit support pan, fuses and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Class 1 type A (no starters).				
26 24 19 00-0802	EA	30 Amperes Switch Rating, Fusible Disconnect Switch With 30 Amperes Fuse Clips.....	796.75	164.91
26 24 19 00-0803	EA	60 Amperes Switch Rating, Fusible Disconnect Switch With 60 Amperes Fuse Clips.....	944.81	224.76
26 24 19 00-0804	EA	100 Amperes Switch Rating, Fusible Disconnect Switch With 100 Amperes Fuse Clips.....	1,291.11	287.57
26 24 19 00-0805	EA	200 Amperes Switch Rating, Fusible Disconnect Switch With 200 Amperes Fuse Clips.....	2,384.73	411.98
26 24 19 00-0806	EA	400 Amperes Switch Rating, Fusible Disconnect Switch With 400 Amperes Fuse Clips.....	4,199.12	523.95
26 24 19 00-0807	EA	600 Amperes Switch Rating, Fusible Disconnect Switch With 600 Amperes Fuse Clips.....	9,519.45	523.95
26 24 19 00-0808	EA	800 Amperes Switch Rating, Fusible Disconnect Switch With 800 Amperes Fuse Clips.....	11,769.50	654.94
26 24 19 00-0809	EA	1,200 Amperes Switch Rating, Fusible Disconnect Switch With 1,200 Amperes Fuse Clips.....	17,338.87	654.94

26 24 19 00-0810 Control Circuit Transformer (26 24 19 00-0484)				
26 24 19 00-0811	EA	Control Circuit Transformer, Size 1 Factory Installed	67.40	
26 24 19 00-0812	EA	Control Circuit Transformer, Size 2 Factory Installed	67.40	
26 24 19 00-0813	EA	Control Circuit Transformer, Size 3 Factory Installed	129.80	
26 24 19 00-0814	EA	Control Circuit Transformer, Size 4 Factory Installed	129.80	
26 24 19 00-0815	EA	Control Circuit Transformer, Size 5 Factory Installed	180.32	
26 24 19 00-0816	EA	Control Circuit Fuse And Holder Small Dim, Dual Element Time Delay	52.51	13.28
26 24 19 00-0817 Cover Mounted Control Devices (26 24 19 00-0484)				
26 24 19 00-0818	EA	Control Device, 2 Unit Push Button Station Cover Mounted	116.30	23.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.67	
26 24 19 00-0819	EA	Control Device, 2-3 Unit Selector Switch Cover Mounted	131.02	23.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.34	
26 24 19 00-0820	EA	Control Device, Pilot Light Cover Mounted	109.02	23.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.99	
26 24 19 00-0821	EA	Control Device, Hand-Off-Auto Switch Cover Mounted With Pilot Light	300.13	79.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	48.11	
26 24 19 00-0822	EA	Auxiliary Contact Add Per Starter	350.95	30.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.25	
26 24 19 00-0823 Extra Interlocks (26 24 19 00-0484)				
		Note: Per contact.		
26 24 19 00-0824	EA	Extra Interlocks, Class I, Type A Per Contact	76.08	15.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.99	
26 24 19 00-0825	EA	Extra Interlocks, Class I, Type B Per Contact	104.26	15.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.99	
26 24 19 00-0826	EA	Extra Interlocks, Class I, Type C Per Contact	115.09	15.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.17	
26 24 19 00-0827	EA	Extra Interlocks, Class II, Type B Per Contact	103.34	15.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.34	
26 24 19 00-0828	EA	Extra Interlocks, Class II, Type C Per Contact	108.61	15.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.54	
26 24 19 00-0829 Special Cabinet Provisions (26 24 19 00-0484)				
26 24 19 00-0830	EA	Provisions For Bus Duct Entrance Special Cabinet Provisions	843.70	
26 24 19 00-0831 Nameplate Requirements (26 24 19 00-0484)				
26 24 19 00-0832	EA	Special Cabinet Nameplate Requirements	29.95	
26 24 19 00-0833 Auxiliary Relays (26 24 19 00-0484)				
26 24 19 00-0834	EA	Industrial Control Relay, 10 Amperes, Class A600 With 2 Contacts	169.72	29.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.63	
26 24 19 00-0835	EA	Timing Relay, Solid State, DPDT 0.1-10 Sec Variable, Off-Delay	160.71	26.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.63	
26 24 19 00-0836	EA	General Purpose Control Relay, 240 Volt AC, 10 Amperes, With Base	93.45	26.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.63	
26 24 19 00-0837 Motor Control Center Accessories (26 24 19 00-0484)				
26 24 19 00-0838 Lighting Transformer With Circuit Breaker (26 24 19 00-0837)				
		Note: For 240 V, 480 V, or 600 V primary. Includes door, unit support pan, and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure for MCC only.		
26 24 19 00-0839	EA	1 Phase, 5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	4,951.65	377.49
26 24 19 00-0840	EA	1 Phase, 7.5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	5,148.26	392.59
26 24 19 00-0841	EA	1 Phase, 10 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	5,631.62	422.79
26 24 19 00-0842	EA	1 Phase, 15 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	7,065.47	452.99
26 24 19 00-0843	EA	1 Phase, 25 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	9,477.58	483.19
26 24 19 00-0844	EA	1 Phase, 37.5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	11,633.44	543.58
26 24 19 00-0845	EA	1 Phase, 50 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	15,266.19	603.98
26 24 19 00-0846	EA	3 Phase, 10 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker	8,942.68	498.29
26 24 19 00-0847	EA	3 Phase, 15 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker	9,716.15	543.58
26 24 19 00-0848	EA	3 Phase, 25 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker	11,109.40	603.98
26 24 19 00-0849	EA	3 Phase, 30 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker	11,790.09	664.39
26 24 19 00-0850	EA	3 Phase, 37.5 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker	14,211.17	724.79
26 24 19 00-0851	EA	3 Phase, 45 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker	14,669.99	785.19
26 24 19 00-0852 Bolt-On Lighting Panel (26 24 19 00-0837)				
		Note: Includes door, T-handle, unit support pan, neutral bar (10 KA IC RMS), and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. For MCC only.		
26 24 19 00-0853	EA	18 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt	2,136.87	610.80
26 24 19 00-0854	EA	30 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt	3,343.19	1,063.16
26 24 19 00-0855	EA	42 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt	4,445.53	1,438.39
26 24 19 00-0856	EA	18 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt	2,237.02	660.92
26 24 19 00-0857	EA	30 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt	3,297.95	1,040.51
26 24 19 00-0858	EA	42 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt	4,625.33	1,528.31
26 24 19 00-0859	EA	18 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt	3,573.25	708.46
26 24 19 00-0860	EA	30 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt	4,777.74	1,137.34

26	26	Electrical
	26 20	Low-Voltage Electrical Distribution
	26 24	Switchboards and Panelboards



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 24 19 00-0861	EA		42 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt	5,980.89	1,528.31
26 24 19 00-0862	EA		18 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt	3,684.69	764.09
26 24 19 00-0863	EA		30 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt	4,777.74	1,137.34
26 24 19 00-0864	EA		42 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt	6,079.49	1,577.60

26 24 19 00-0865 **Factory Installed Bolt-On Branch Circuit Breaker** (26 24 19 00-0837)

Note: For MCC lighting panel only.

26 24 19 00-0866	EA		15 To 30 Amperes, 1 Pole, Bolt-On Branch Circuit Breaker	23.71	
26 24 19 00-0867	EA		15 To 30 Amperes, 1 Pole (GFI) Bolt-On Branch Circuit Breaker	260.02	
26 24 19 00-0868	EA		15 To 50 Amperes, 2 Pole, Bolt-On Branch Circuit Breaker	46.34	
26 24 19 00-0869	EA		60 To 100 Amperes, 2 Pole, Bolt-On Branch Circuit Breaker	106.69	
26 24 19 00-0870	EA		15 To 50 Amperes, 3 Pole, Bolt-On Branch Circuit Breaker	125.01	
26 24 19 00-0871	EA		60 To 100 Amperes, 3 Pole, Bolt-On Branch Circuit Breaker	189.67	

26 24 19 00-0872 **Blank Unit Door (BUD)** (26 24 19 00-0837)

Note: With NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Factory installed.

26 24 19 00-0873	EA		6" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	69.34	
26 24 19 00-0874	EA		12" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	83.21	
26 24 19 00-0875	EA		18" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	124.81	
26 24 19 00-0876	EA		24" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	166.41	
26 24 19 00-0877	EA		30" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	249.62	
26 24 19 00-0878	EA		48" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	291.22	
26 24 19 00-0879	EA		72" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	332.82	

26 25 Enclosed Bus Assemblies (26 20)

26 25 13 Low-Voltage Busways (26 25)

26 25 13 00-0001 **Plug-In Bus Duct** (26 25 13)

Note: Based on an average of 100' horizontal run with a 15' maximum mounting height. Each 100' of bus duct includes 2 elbows, 1 end cap, and switchboard stub. Excludes hangers with anchors and hardware support.

26 25 13 00-0002 **600 Volt, 3-Phase, 3-Wire, Copper Conductors** (26 25 13 00-0001)

26 25 13 00-0003	LF		225 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	280.19	35.21
			For Up To 25, Add	70.05	
			For >25 To 50, Add	42.03	
			For >50 To 100, Add	21.01	
26 25 13 00-0004	LF		400 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	395.39	35.21
			For Up To 25, Add	98.85	
			For >25 To 50, Add	59.31	
			For >50 To 100, Add	29.65	
26 25 13 00-0005	LF		600 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	500.41	46.95
			For Up To 25, Add	125.10	
			For >25 To 50, Add	75.06	
			For >50 To 100, Add	37.53	
26 25 13 00-0006	LF		800 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	689.13	46.95
			For Up To 25, Add	172.28	
			For >25 To 50, Add	103.37	
			For >50 To 100, Add	51.68	
26 25 13 00-0007	LF		1,000 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	727.11	58.68
			For Up To 25, Add	181.78	
			For >25 To 50, Add	109.07	
			For >50 To 100, Add	54.53	
26 25 13 00-0008	LF		1,350 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	1,010.72	58.68
			For Up To 25, Add	252.68	
			For >25 To 50, Add	151.61	
			For >50 To 100, Add	75.80	
26 25 13 00-0009	LF		1,600 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	1,181.73	61.62
			For Up To 25, Add	295.43	
			For >25 To 50, Add	177.26	
			For >50 To 100, Add	88.63	
26 25 13 00-0010	LF		2,000 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	1,437.10	63.38
			For Up To 25, Add	359.28	
			For >25 To 50, Add	215.57	
			For >50 To 100, Add	107.78	
26 25 13 00-0011	LF		2,500 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	1,771.90	66.90
			For Up To 25, Add	442.98	
			For >25 To 50, Add	265.79	
			For >50 To 100, Add	132.89	
26 25 13 00-0012	LF		3,000 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	2,046.06	78.05
			For Up To 25, Add	511.52	
			For >25 To 50, Add	306.91	
			For >50 To 100, Add	153.45	
26 25 13 00-0013	LF		4,000 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	2,367.03	85.09
			For Up To 25, Add	591.76	
			For >25 To 50, Add	355.05	
			For >50 To 100, Add	177.53	

26 25 13 00-0014 **277/480 Volt, 3-Phase, 4-Wire, 100% Neutral, Copper Conductors** (26 25 13 00-0001)

26 25 13 00-0015	LF		225 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	455.22	35.21
			For Up To 25, Add	113.81	
			For >25 To 50, Add	68.28	
			For >50 To 100, Add	34.14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 13 00-0016	LF		400 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	655.80	35.21
			For Up To 25, Add	163.95	
			For >25 To 50, Add	98.37	
			For >50 To 100, Add	49.19	
26 25 13 00-0017	LF		600 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	741.51	46.95
			For Up To 25, Add	185.38	
			For >25 To 50, Add	111.23	
			For >50 To 100, Add	55.61	
26 25 13 00-0018	LF		800 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	941.78	46.95
			For Up To 25, Add	235.45	
			For >25 To 50, Add	141.27	
			For >50 To 100, Add	70.63	
26 25 13 00-0019	LF		1,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	1,148.08	58.68
			For Up To 25, Add	287.02	
			For >25 To 50, Add	172.21	
			For >50 To 100, Add	86.11	
26 25 13 00-0020	LF		1,350 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	1,485.84	58.68
			For Up To 25, Add	371.46	
			For >25 To 50, Add	222.88	
			For >50 To 100, Add	111.44	
26 25 13 00-0021	LF		1,600 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	1,919.74	60.80
			For Up To 25, Add	479.94	
			For >25 To 50, Add	287.96	
			For >50 To 100, Add	143.98	
26 25 13 00-0022	LF		2,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	2,310.62	63.38
			For Up To 25, Add	577.66	
			For >25 To 50, Add	346.59	
			For >50 To 100, Add	173.30	
26 25 13 00-0023	LF		2,500 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	2,863.90	66.31
			For Up To 25, Add	715.98	
			For >25 To 50, Add	429.59	
			For >50 To 100, Add	214.79	
26 25 13 00-0024	LF		3,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	3,306.09	78.05
			For Up To 25, Add	826.52	
			For >25 To 50, Add	495.91	
			For >50 To 100, Add	247.96	
26 25 13 00-0025	LF		4,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	3,831.59	85.09
			For Up To 25, Add	957.90	
			For >25 To 50, Add	574.74	
			For >50 To 100, Add	287.37	
26 25 13 00-0026			Cable Tap Boxes (26 25 13 00-0001)		
26 25 13 00-0027			600 Volt, 3-Phase, 3-Wire, Copper Conductors (26 25 13 00-0026)		
26 25 13 00-0028	EA		225 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,287.08	164.33
26 25 13 00-0029	EA		400 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,364.93	164.33
26 25 13 00-0030	EA		600 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,557.44	223.01
26 25 13 00-0031	EA		800 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,722.45	223.01
26 25 13 00-0032	EA		1,000 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,920.33	293.43
26 25 13 00-0033	EA		1,350 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	3,199.77	293.43
26 25 13 00-0034			277/480 Volt, 3-Phase, 4-Wire, 100% Neutral, Copper Conductors (26 25 13 00-0026)		
26 25 13 00-0035	EA		225 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,364.93	322.78
26 25 13 00-0036	EA		400 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,570.91	322.78
26 25 13 00-0037	EA		600 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,748.20	440.14
26 25 13 00-0038	EA		800 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	3,088.24	440.14
26 25 13 00-0039	EA		1,000 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	3,249.33	586.86
26 25 13 00-0040	EA		1,350 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	3,696.10	586.86
26 25 13 00-0041			Bus Duct Plug-In Circuit Breaker (26 25 13 00-0001)		
26 25 13 00-0042			240 Volt, 3-Phase (26 25 13 00-0041)		
26 25 13 00-0043	EA		60 Amperes, 240 Volt, 3 Phase, Bus Duct Plug-In Circuit Breaker.....	1,032.94	117.37
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	64.21	
26 25 13 00-0044	EA		100 Amperes, 240 Volt, 3 Phase, Bus Duct Plug-In Circuit Breaker.....	2,050.01	117.37
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	82.43	
26 25 13 00-0045			600 Volt, 3-Phase (26 25 13 00-0041)		
26 25 13 00-0046	EA		60 Amperes, 600 Volt, 3 Phase, Bus Duct Plug-in Circuit Breaker.....	1,989.29	117.37
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	64.21	
26 25 13 00-0047	EA		100 Amperes, 600 Volt, 3 Phase, Bus Duct Plug-in Circuit Breaker.....	2,576.52	117.37
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	82.43	
26 25 13 00-0048			120/208 Volt, 3-Phase, 4-Wire (26 25 13 00-0041)		
26 25 13 00-0049	EA		60 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Bus Duct Plug-in Circuit Breaker.....	1,189.43	140.85
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	73.36	
26 25 13 00-0050	EA		100 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Bus Duct Plug-in Circuit Breaker.....	1,421.38	140.85
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	91.70	
26 25 13 00-0051			277/480 Volt, 3-Phase, 4-Wire (26 25 13 00-0041)		
26 25 13 00-0052	EA		60 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker	1,360.26	140.85
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	73.36	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 25 Enclosed Bus Assemblies**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 25 13 00-0053	EA	100 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker.....	2,090.32	140.85
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	91.70	
26 25 13 00-0054	EA	225 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker.....	3,062.14	487.09
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	211.10	
26 25 13 00-0055	EA	400 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker.....	7,303.51	487.09
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	458.49	
26 25 13 00-0056	EA	600 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker.....	8,173.66	1,408.47
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	637.89	
26 25 13 00-0057	EA	800 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker.....	10,262.83	1,408.47
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,128.58	

26 25 13 00-0058 Bus Duct Plug-In Fusible Switch (26 25 13 00-0001)**26 25 13 00-0059 240 Volt, 3-Pole, 3-Fuse (26 25 13 00-0058)**

26 25 13 00-0060	EA	30 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	1,030.59	117.37
26 25 13 00-0061	EA	60 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	1,132.21	117.37
26 25 13 00-0062	EA	100 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	1,564.16	140.85
26 25 13 00-0063	EA	200 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	2,640.06	281.69
26 25 13 00-0064	EA	400 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	6,666.86	633.81
26 25 13 00-0065	EA	600 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	9,973.29	1,103.30

26 25 13 00-0066 600 Volt, 3-Pole, 3-Fuse (26 25 13 00-0058)

26 25 13 00-0067	EA	30 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	1,071.11	129.10
26 25 13 00-0068	EA	60 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	1,170.17	129.10
26 25 13 00-0069	EA	100 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	1,576.81	129.10
26 25 13 00-0070	EA	200 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	2,704.55	269.96
26 25 13 00-0071	EA	400 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	6,635.52	610.33
26 25 13 00-0072	EA	600 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	10,195.59	1,173.72
26 25 13 00-0073	EA	800 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	16,715.41	1,525.84

26 25 13 00-0074 120/208 Volt, 4-pole, 3 Fuse (26 25 13 00-0058)

26 25 13 00-0075	EA	30 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	1,192.62	152.59
26 25 13 00-0076	EA	60 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	1,281.03	152.59
26 25 13 00-0077	EA	100 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	1,731.99	152.59
26 25 13 00-0078	EA	200 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	2,936.04	316.90
26 25 13 00-0079	EA	400 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	7,317.08	704.24
26 25 13 00-0080	EA	600 AAmperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	10,650.67	1,079.82

26 25 13 00-0081 277/480 Volt, 4-pole, 3-Fuse (26 25 13 00-0058)

26 25 13 00-0082	EA	30 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	1,231.91	152.59
26 25 13 00-0083	EA	60 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	1,320.31	129.47
26 25 13 00-0084	EA	100 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	1,847.59	176.06
26 25 13 00-0085	EA	200 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	3,059.67	316.90
26 25 13 00-0086	EA	400 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	7,317.08	704.24
26 25 13 00-0087	EA	600 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	10,650.67	1,079.82
26 25 13 00-0088	EA	800 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	16,856.57	1,431.94

26 25 16 Low-Voltage Cablebus Systems (26 25)**26 25 16 00-0001 Feeder Bus Duct (26 25 16)**

Note: Based on an average of 100' horizontal run with a 15' maximum mounting height. Each 100' of bus duct includes 2 elbows, 1 end cap, and switchboard stub. Excludes hangers with anchors and hardware support.

26 25 16 00-0002 600 Volt, 3 Phase, 3 Wire, Ventilated Low Impedance (26 25 16 00-0001)

Note: Copper conductors.

26 25 16 00-0003	LF	800 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports.....	825.58	49.29
		<i>For Up To 25, Add</i>	206.40	
		<i>For >25 To 50, Add</i>	123.84	
		<i>For >50 To 100, Add</i>	61.92	
26 25 16 00-0004	LF	1,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports.....	836.94	49.29
		<i>For Up To 25, Add</i>	209.24	
		<i>For >25 To 50, Add</i>	125.54	
		<i>For >50 To 100, Add</i>	62.77	
26 25 16 00-0005	LF	1,350 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports.....	1,094.94	49.29
		<i>For Up To 25, Add</i>	273.74	
		<i>For >25 To 50, Add</i>	164.24	
		<i>For >50 To 100, Add</i>	82.12	
26 25 16 00-0006	LF	1,600 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports.....	1,314.75	49.29
		<i>For Up To 25, Add</i>	328.69	
		<i>For >25 To 50, Add</i>	197.21	
		<i>For >50 To 100, Add</i>	98.61	
26 25 16 00-0007	LF	2,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports.....	1,606.83	49.29
		<i>For Up To 25, Add</i>	401.71	
		<i>For >25 To 50, Add</i>	241.02	
		<i>For >50 To 100, Add</i>	120.51	
26 25 16 00-0008	LF	3,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports.....	2,192.77	117.37
		<i>For Up To 25, Add</i>	548.19	
		<i>For >25 To 50, Add</i>	328.92	
		<i>For >50 To 100, Add</i>	164.46	
26 25 16 00-0009	LF	4,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports.....	3,030.43	117.37
		<i>For Up To 25, Add</i>	757.61	
		<i>For >25 To 50, Add</i>	454.56	
		<i>For >50 To 100, Add</i>	227.28	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 16 00-0010	LF	5,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	3,585.36	117.37
		For Up To 25, Add	896.34	
		For >25 To 50, Add	537.80	
		For >50 To 100, Add	268.90	
26 25 16 00-0011	LF	6,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	4,415.95	117.37
		For Up To 25, Add	1,103.99	
		For >25 To 50, Add	662.39	
		For >50 To 100, Add	331.20	
26 25 16 00-0012		277/480 Volt, 3 Phase, 4 Wire, Half Neutral, Ventilated (26 25 16 00-0001)		
		Note: Low impedance, copper conductors.		
26 25 16 00-0013	LF	800 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	946.30	52.82
		For Up To 25, Add	236.58	
		For >25 To 50, Add	141.95	
		For >50 To 100, Add	70.97	
26 25 16 00-0014	LF	1,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	961.25	52.82
		For Up To 25, Add	240.31	
		For >25 To 50, Add	144.19	
		For >50 To 100, Add	72.09	
26 25 16 00-0015	LF	1,350 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	1,236.64	52.82
		For Up To 25, Add	309.16	
		For >25 To 50, Add	185.50	
		For >50 To 100, Add	92.75	
26 25 16 00-0016	LF	1,600 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	1,465.96	52.82
		For Up To 25, Add	366.49	
		For >25 To 50, Add	219.89	
		For >50 To 100, Add	109.95	
26 25 16 00-0017	LF	2,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	1,770.77	52.82
		For Up To 25, Add	442.69	
		For >25 To 50, Add	265.62	
		For >50 To 100, Add	132.81	
26 25 16 00-0018	LF	3,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	2,720.67	90.38
		For Up To 25, Add	680.17	
		For >25 To 50, Add	408.10	
		For >50 To 100, Add	204.05	
26 25 16 00-0019	LF	4,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	3,412.26	90.38
		For Up To 25, Add	853.07	
		For >25 To 50, Add	511.84	
		For >50 To 100, Add	255.92	
26 25 16 00-0020	LF	5,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	4,037.53	167.84
		For Up To 25, Add	1,009.38	
		For >25 To 50, Add	605.63	
		For >50 To 100, Add	302.81	
26 25 16 00-0021	LF	6,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	4,979.05	167.84
		For Up To 25, Add	1,244.76	
		For >25 To 50, Add	746.86	
		For >50 To 100, Add	373.43	

26 27 Low-Voltage Distribution Equipment (26 20)

26 27 13 Electricity Metering (26 27)

26 27 13 00-0001 Revenue Metering (26 27 13)

26 27 13 00-0002 Meter Socket Base (26 27 13 00-0001)

Note: NEMA 3R. See CSI section 26 27 13 00-0013 for meter.

26 27 13 00-0003	EA	100 Amperes, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass	273.71	76.29
26 27 13 00-0004	EA	100 Amperes, 1 Phase, 3 Wire, 5 Terminal Meter Socket With Bypass	290.54	76.29
26 27 13 00-0005	EA	150 Amperes, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass	323.34	85.09
26 27 13 00-0006	EA	150 Amperes, 1 Phase, 3 Wire, 5 Terminal Meter Socket With Bypass	334.15	85.09
26 27 13 00-0007	EA	200 Amperes, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass	372.96	93.89
26 27 13 00-0008	EA	200 Amperes, 1 Phase, 3 Wire, 5 Terminal Meter Socket With Bypass	377.75	93.89
26 27 13 00-0009	EA	200 Amperes, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass And Jaw Release	972.89	149.06
26 27 13 00-0010	EA	320 Amperes, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass And Jaw Release	1,246.17	166.67
26 27 13 00-0011	EA	400 Amperes, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass And Jaw Release	2,734.94	184.27
26 27 13 00-0012	EA	Combination Motor And Current Transformer Cabinet, 15 To 30 Amperes, 13 Terminal, Underground, With Test Switch And Transformer, Socket Base	2,764.02	586.86

26 27 13 00-0013 Meter Device (26 27 13 00-0001)

Note: Direct read, with 15 minute demand. See CSI section 26 27 13 00-0002 for socket base.

26 27 13 00-0014	EA	100 Amperes, 120 Volt, Or 240 Volt, 1 Phase, KWH Meter	274.71	23.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.44	
26 27 13 00-0015	EA	150 Amperes, 120 Volt, Or 240 Volt, 1 Phase, KWH Meter	325.15	24.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.61	
26 27 13 00-0016	EA	200 Amperes, 120 Volt, Or 240 Volt, 1 Phase, KWH Meter	398.24	24.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.79	
26 27 13 00-0017	EA	200 Amperes, 120 Volt, Or 240 Volt, 3 Phase, KWH Meter	778.65	24.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.99	
26 27 13 00-0018	EA	320 Amperes, 120 Volt, Or 240 Volt, 3 Phase, KWH Meter	1,091.27	26.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.87	
26 27 13 00-0019	EA	400 Amperes, 120 Volt, Or 240 Volt, 3 Phase, KWH Meter	1,771.17	29.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.63	

26 27 13 00-0020 Current Transformer Enclosure (26 27 13 00-0001)

26 27 13 00-0021	EA	18" x 24" x 9", NEMA 3R, Screwed Cover, Current Transformer Enclosure	564.06	152.59
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26 Electrical**26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 27 13 00-0022		120/240 Volt Meter Center And Main Breaker, Indoor Housing (26 27 13 00-0001)		
26 27 13 00-0023		800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max., 2 Pole (26 27 13 00-0022)		
26 27 13 00-0024	EA	3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	1,072.69	73.36
26 27 13 00-0025	EA	4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	1,412.50	88.03
26 27 13 00-0026	EA	5 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	1,750.51	102.70
26 27 13 00-0027	EA	6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	2,028.61	117.37
26 27 13 00-0028	EA	7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	2,642.58	132.04
26 27 13 00-0029	EA	8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	2,853.49	146.71
26 27 13 00-0030	EA	10 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	3,329.79	176.06
26 27 13 00-0031		1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max., 2 Pole (26 27 13 00-0022)		
26 27 13 00-0032	EA	3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max	1,980.52	73.36
26 27 13 00-0033	EA	4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max	2,609.02	88.03
26 27 13 00-0034	EA	6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max	3,593.71	117.37
26 27 13 00-0035	EA	7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max	3,986.16	132.04
26 27 13 00-0036	EA	8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max	5,014.10	146.71
26 27 13 00-0037		800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole (26 27 13 00-0022)		
26 27 13 00-0038	EA	3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	1,643.39	102.70
26 27 13 00-0039	EA	4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,159.33	117.37
26 27 13 00-0040	EA	5 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,642.58	132.04
26 27 13 00-0041	EA	6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,107.68	146.71
26 27 13 00-0042	EA	7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,917.74	161.39
26 27 13 00-0043	EA	8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,110.51	176.06
26 27 13 00-0044	EA	10 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,095.16	205.40
26 27 13 00-0045		1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole (26 27 13 00-0022)		
26 27 13 00-0046	EA	3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,547.58	102.70
26 27 13 00-0047	EA	4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,339.50	117.37
26 27 13 00-0048	EA	6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,705.44	146.71
26 27 13 00-0049	EA	7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,043.44	161.39
26 27 13 00-0050	EA	8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	6,452.64	176.06
26 27 13 00-0051		120/208 Volt Meter Center And Main Breaker, Indoor Housing (26 27 13 00-0001)		
26 27 13 00-0052		800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max., 2 Pole (26 27 13 00-0051)		
26 27 13 00-0053	EA	3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	1,167.39	88.03
26 27 13 00-0054	EA	4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	1,527.19	102.70
26 27 13 00-0055	EA	5 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	1,885.17	117.37
26 27 13 00-0056	EA	6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	2,188.67	132.04
26 27 13 00-0057	EA	7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	2,690.08	146.71
26 27 13 00-0058	EA	8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	2,900.98	161.39
26 27 13 00-0059	EA	10 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	3,577.00	190.73
26 27 13 00-0060		1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole (26 27 13 00-0051)		
26 27 13 00-0061	EA	3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,082.49	88.03
26 27 13 00-0062	EA	4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,747.31	102.70
26 27 13 00-0063	EA	6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,968.00	132.04
26 27 13 00-0064	EA	7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	4,360.47	146.71
26 27 13 00-0065	EA	8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	5,279.52	161.39
26 27 13 00-0066		800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole (26 27 13 00-0051)		
26 27 13 00-0067	EA	3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	1,738.12	117.37
26 27 13 00-0068	EA	4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,261.32	132.04
26 27 13 00-0069	EA	5 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,799.05	146.71
26 27 13 00-0070	EA	6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,264.15	161.39
26 27 13 00-0071	EA	7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,110.55	176.06
26 27 13 00-0072	EA	8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,303.26	190.73
26 27 13 00-0073	EA	10 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,360.58	220.07
26 27 13 00-0074		1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole (26 27 13 00-0051)		
26 27 13 00-0075	EA	3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,667.73	117.37
26 27 13 00-0076	EA	4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,514.11	132.04
26 27 13 00-0077	EA	6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,043.48	161.39
26 27 13 00-0078	EA	7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,272.52	176.06
26 27 13 00-0079	EA	8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	6,699.91	190.73

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 13 00-0080		120/240 Volt Meter Center And Main Breaker, NEMA 3R Housing (26 27 13 00-0001)		
26 27 13 00-0081		800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole (26 27 13 00-0080)		
26 27 13 00-0082	EA	3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,072.69	73.36
26 27 13 00-0083	EA	4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,412.50	88.03
26 27 13 00-0084	EA	6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,028.61	117.37
26 27 13 00-0085	EA	7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,642.58	132.04
26 27 13 00-0086	EA	8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,271.09	146.71
26 27 13 00-0087		1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole (26 27 13 00-0080)		
26 27 13 00-0088	EA	3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,980.51	73.36
26 27 13 00-0089	EA	4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,609.01	88.03
26 27 13 00-0090	EA	6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,775.26	117.37
26 27 13 00-0091	EA	7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	4,167.72	132.04
26 27 13 00-0092	EA	8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	5,014.10	146.71
26 27 13 00-0093		800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole (26 27 13 00-0080)		
26 27 13 00-0094	EA	3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	1,643.39	102.70
26 27 13 00-0095	EA	4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,159.33	117.37
26 27 13 00-0096	EA	6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,107.68	146.71
26 27 13 00-0097	EA	7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,917.74	161.39
26 27 13 00-0098	EA	8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,110.51	176.06
26 27 13 00-0099		1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole (26 27 13 00-0080)		
26 27 13 00-0100	EA	3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,547.59	102.70
26 27 13 00-0101	EA	4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,339.50	117.37
26 27 13 00-0102	EA	6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,705.44	146.71
26 27 13 00-0103	EA	7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,043.44	161.39
26 27 13 00-0104	EA	8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	6,452.69	176.06
26 27 13 00-0105		120/208 Volt Meter Center And Main Breaker, NEMA 3R Housing (26 27 13 00-0001)		
26 27 13 00-0106		800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole (26 27 13 00-0105)		
26 27 13 00-0107	EA	3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,167.39	88.03
26 27 13 00-0108	EA	4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,527.19	102.70
26 27 13 00-0109	EA	6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,188.67	132.04
26 27 13 00-0110	EA	7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,871.64	146.71
26 27 13 00-0111	EA	8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,264.11	161.39
26 27 13 00-0112		1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole (26 27 13 00-0105)		
26 27 13 00-0113	EA	3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,082.48	88.03
26 27 13 00-0114	EA	4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,747.30	102.70
26 27 13 00-0115	EA	6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,786.44	132.04
26 27 13 00-0116	EA	7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	4,178.91	146.71
26 27 13 00-0117	EA	8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	5,279.48	161.39
26 27 13 00-0118		800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole (26 27 13 00-0105)		
26 27 13 00-0119	EA	3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	1,738.10	117.37
26 27 13 00-0120	EA	4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,261.30	132.04
26 27 13 00-0121	EA	6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,264.11	161.39
26 27 13 00-0122	EA	7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,110.51	176.06
26 27 13 00-0123	EA	8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,303.26	190.73
26 27 13 00-0124		1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole (26 27 13 00-0105)		
26 27 13 00-0125	EA	3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,667.71	117.37
26 27 13 00-0126	EA	4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,514.09	132.04
26 27 13 00-0127	EA	6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,043.44	161.39
26 27 13 00-0128	EA	7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,272.52	176.06
26 27 13 00-0129	EA	8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	6,699.91	190.73
26 27 13 00-0130		Watt/Hour Meters (26 27 13)		
26 27 13 00-0131	EA	Single Phase M-90 Meter, Socket, NEMA 3R Enclosure	1,228.95	70.42
26 27 13 00-0132	EA	Three Phase M-90 Meter/Main Breaker Combination With Socket, NEMA 3R Enclosure	3,474.48	140.85
26 27 13 00-0133	EA	Three Phase M-90 Meter In Line Secondary With Socket, NEMA 3R Enclosure	1,839.40	105.63
26 27 13 00-0134	EA	Three Phase M-90 Meter, Primary Side Transformer Mount With Socket Totally Enclosed, NEMA 3R Enclosure	2,254.06	105.63
26 27 13 00-0135	EA	Three Phase M-90 Meter, Primary Side Pole Mount With Socket, NEMA 3R Enclosure	1,900.31	105.63

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 27 13 00-0136	EA	C.T. For M-90 Meter On Primary Side, NEMA 3R Enclosure	1,289.16	97.42
26 27 13 00-0137	EA	P.T. For M-90 Meter On Primary Side, NEMA 3R Enclosure.....	2,202.87	176.06

26 27 13 00-0138 Watt/Hour Meter Systems (26 27 13)

Note: Includes NEMA 3R enclosure with C.T. and NEMA 3R C.T. enclosure. systems with main breakers include an additional NEMA 3R enclosure.

26 27 13 00-0139 Watt/Hour Meter System Without Main Breaker (26 27 13 00-0138)

26 27 13 00-0140	EA	400 Amperes System; 200 Amperes M-90 Meter And Enclosure	5,617.93	704.35
26 27 13 00-0141	EA	600 To 800 Amperes System; 200 Amperes M-90 Meter And Enclosure.....	6,596.53	704.35

26 27 13 00-0142 Watt/Hour Meter System With Main Breaker (26 27 13 00-0138)

26 27 13 00-0143	EA	400 Amperes System; 400 Amperes Main Breaker, 200 Amperes M-90 Meter And Enclosure	9,914.45	704.35
26 27 13 00-0144	EA	600 Amperes System; 600 Amperes Main Breaker, 200 Amperes M-90 Meter And Enclosure	12,048.33	704.35
26 27 13 00-0145	EA	800 Amperes System; 800 Amperes Main Breaker, 200 Amperes M-90 Meter And Enclosure	12,953.29	704.35

26 27 13 00-0146 Power Meter And Gateway (26 27 13)

Note: Schneider Electric.

26 27 13 00-0147	EA	Power Meter	2,912.46	58.68
		Note: Schneider Electric Model #PM820		
26 27 13 00-0148	EA	PowerLogic Ethernet Gateway	2,014.60	29.35
		Note: Schneider Electric Model #EGX200		
26 27 13 00-0149	EA	PowerLogic Ethernet Gateway	3,394.11	29.35
		Note: Schneider Electric Model #EGX400		
26 27 13 00-0150	EA	PowerLogic Ethernet Communications Card	2,014.60	29.35
		Note: Schneider Electric		

26 27 16 Electrical Cabinets and Enclosures (26 27)

Note: Can be used as enclosure or pull/junction boxes.

26 27 16 00-0001 NEMA 1 Enclosures, Lockable (26 27 16)**26 27 16 00-0002 Hinged Cover, Galvanized Steel NEMA 1 Enclosures** (26 27 16 00-0001)**26 27 16 00-0003 4" Depth, Hinged Cover, Galvanized Steel NEMA 1 Enclosures** (26 27 16 00-0002)

26 27 16 00-0004	EA	6" x 4" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	75.63	23.47
26 27 16 00-0005	EA	6" x 6" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	84.93	25.82
26 27 16 00-0006	EA	8" x 6" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	94.31	28.16
26 27 16 00-0007	EA	8" x 8" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	110.11	32.87
26 27 16 00-0008	EA	10" x 8" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	120.06	35.21
26 27 16 00-0009	EA	10" x 10" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	130.77	37.56
26 27 16 00-0010	EA	12" x 8" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	130.38	37.56
26 27 16 00-0011	EA	12" x 10" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	141.37	39.91
26 27 16 00-0012	EA	12" x 12" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	152.92	42.26
26 27 16 00-0013	EA	16" x 12" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	198.00	56.34
26 27 16 00-0014	EA	16" x 16" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	240.24	68.08
26 27 16 00-0015	EA	18" x 12" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	228.01	65.73

26 27 16 00-0016 6" Depth, Hinged Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0002)

26 27 16 00-0017	EA	6" x 6" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	95.07	28.16
26 27 16 00-0018	EA	8" x 8" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	115.71	32.87
26 27 16 00-0019	EA	10" x 8" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	137.99	39.91
26 27 16 00-0020	EA	10" x 10" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	149.26	42.26
26 27 16 00-0021	EA	12" x 10" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	160.77	44.60
26 27 16 00-0022	EA	12" x 12" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	172.83	46.95
26 27 16 00-0023	EA	16" x 12" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	219.18	61.03
26 27 16 00-0024	EA	16" x 16" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	265.49	75.12
26 27 16 00-0025	EA	18" x 12" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	255.95	72.77
26 27 16 00-0026	EA	18" x 18" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	333.52	93.89
26 27 16 00-0027	EA	24" x 18" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	430.74	107.99
26 27 16 00-0028	EA	24" x 24" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	493.49	117.37
26 27 16 00-0029	EA	30" x 24" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	550.71	124.41
26 27 16 00-0030	EA	36" x 24" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	602.07	129.10
26 27 16 00-0031	EA	24-1/2" x 12-1/2" x 6-1/2", Hinged Cover, Galvanized Steel NEMA 1 Enclosure (Control Products MH3803L)	414.71	93.89

26 27 16 00-0032 Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0001)**26 27 16 00-0033 3" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures** (26 27 16 00-0032)

26 27 16 00-0034	EA	4" x 4" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	52.11	16.43
26 27 16 00-0035	EA	6" x 6" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	74.48	23.47
26 27 16 00-0036	EA	8" x 6" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	83.16	25.82

26 27 16 00-0037 4" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0032)

26 27 16 00-0038	EA	4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	58.18	18.78
26 27 16 00-0039	EA	6" x 4" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	72.09	23.47
26 27 16 00-0040	EA	6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	80.61	25.82
26 27 16 00-0041	EA	8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	89.28	28.16
26 27 16 00-0042	EA	8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	104.17	32.87
26 27 16 00-0043	EA	10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	113.27	35.21

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0044	EA	10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	122.86	37.56
26 27 16 00-0045	EA	12" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	122.49	37.56
26 27 16 00-0046	EA	12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	132.52	39.91
26 27 16 00-0047	EA	12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	142.85	42.26
26 27 16 00-0048	EA	16" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	186.66	56.34
26 27 16 00-0049	EA	16" x 16" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	231.17	70.42
26 27 16 00-0050	EA	18" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	214.43	65.73
26 27 16 00-0051	EA	18" x 18" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	277.87	84.51
26 27 16 00-0052	EA	24" x 24" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	404.49	105.63
26 27 16 00-0053 6" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0032)				
26 27 16 00-0054	EA	6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	89.80	28.16
26 27 16 00-0055	EA	8" x 6" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	99.18	30.52
26 27 16 00-0056	EA	8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	114.31	35.21
26 27 16 00-0057	EA	10" x 8" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	129.80	39.91
26 27 16 00-0058	EA	10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	139.97	42.26
26 27 16 00-0059	EA	12" x 10" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	150.27	44.60
26 27 16 00-0060	EA	12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	161.00	46.95
26 27 16 00-0061	EA	16" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	205.96	61.03
26 27 16 00-0062	EA	16" x 16" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	253.03	75.12
26 27 16 00-0063	EA	18" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	240.20	72.77
26 27 16 00-0064	EA	18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	312.46	93.89
26 27 16 00-0065	EA	24" x 18" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	392.13	107.99
26 27 16 00-0066	EA	24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	450.70	117.37
26 27 16 00-0067	EA	30" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	487.09	124.41
26 27 16 00-0068	EA	36" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	534.21	129.10
26 27 16 00-0069 8" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0032)				
26 27 16 00-0070	EA	8" x 8" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	129.80	39.91
26 27 16 00-0071	EA	12" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	177.63	51.65
26 27 16 00-0072	EA	16" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	225.82	65.73
26 27 16 00-0073	EA	16" x 16" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	280.15	82.16
26 27 16 00-0074	EA	18" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	267.49	79.81
26 27 16 00-0075	EA	18" x 18" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	331.42	98.60
26 27 16 00-0076	EA	24" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	369.05	112.68
26 27 16 00-0077	EA	24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	430.29	119.72
26 27 16 00-0078	EA	24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	497.06	129.10
26 27 16 00-0079	EA	30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	529.13	136.15
26 27 16 00-0080	EA	30" x 30" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	556.34	140.85
26 27 16 00-0081	EA	36" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	571.83	140.85
26 27 16 00-0082 10" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0032)				
26 27 16 00-0083	EA	18" x 12" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	303.86	89.20
26 27 16 00-0084	EA	18" x 18" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	400.39	115.02
26 27 16 00-0085	EA	24" x 12" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	404.13	122.07
26 27 16 00-0086	EA	24" x 18" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	529.74	131.46
26 27 16 00-0087	EA	24" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	610.81	145.54
26 27 16 00-0088	EA	30" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	680.15	150.23
26 27 16 00-0089	EA	36" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	726.16	157.28
26 27 16 00-0090 12" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0032)				
26 27 16 00-0091	EA	18" x 18" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	442.07	126.76
26 27 16 00-0092	EA	24" x 12" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	438.76	133.81
26 27 16 00-0093	EA	24" x 18" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	582.23	145.54
26 27 16 00-0094	EA	24" x 24" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	666.58	159.62
26 27 16 00-0095	EA	30" x 24" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	750.52	166.67
26 27 16 00-0096	EA	36" x 24" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	792.02	173.71
26 27 16 00-0097 NEMA 1 Enclosures For Up To 6 Boards, Lockable (26 27 16)				
26 27 16 00-0098 4.5" Depth, Hinged Cover, Powder Coated Steel, NEMA 1 Enclosures (26 27 16 00-0097)				
26 27 16 00-0099	EA	24" High x 18" Wide x 4.5" Deep, 18 Gauge, Powder Coated Steel, NEMA 1 Enclosure (RS2 Technologies NCL-12).....	1,238.71	103.29
26 27 16 00-0100 NEMA 12 Enclosures, Lockable (26 27 16)				
Note: Dust-tight enclosures.				
26 27 16 00-0101 Hinged Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0100)				
26 27 16 00-0102 4" Depth, Hinged Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0101)				
26 27 16 00-0103	EA	4" x 4" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	111.02	18.78
26 27 16 00-0104	EA	6" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	144.26	25.82
26 27 16 00-0105	EA	8" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	178.24	32.87
26 27 16 00-0106	EA	10" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	193.06	35.21
26 27 16 00-0107	EA	12" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	217.19	37.56
26 27 16 00-0108	EA	12" x 10" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	234.10	39.91
26 27 16 00-0109 6" Depth, Hinged Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0101)				

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 27 16 00-0110	EA	6" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	160.26	28.16	
26 27 16 00-0111	EA	8" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	176.70	30.52	
26 27 16 00-0112		Screw Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0100)			
26 27 16 00-0113		4" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0112)			
26 27 16 00-0114	EA	4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	234.74	18.78	
26 27 16 00-0115	EA	6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	280.35	25.82	
26 27 16 00-0116	EA	8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	317.42	28.16	
26 27 16 00-0117	EA	8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	362.92	32.87	
26 27 16 00-0118	EA	10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	372.75	35.21	
26 27 16 00-0119	EA	10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	441.72	37.56	
26 27 16 00-0120	EA	12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	474.45	39.91	
26 27 16 00-0121	EA	12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	541.05	42.26	
26 27 16 00-0122		6" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0112)			
26 27 16 00-0123	EA	6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	342.54	28.16	
26 27 16 00-0124	EA	8" x 6" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	387.74	30.52	
26 27 16 00-0125	EA	8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	421.92	35.21	
26 27 16 00-0126	EA	10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	498.79	42.26	
26 27 16 00-0127	EA	12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	541.29	46.95	
26 27 16 00-0128	EA	16" x 14" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	753.23	61.03	
26 27 16 00-0129	EA	18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	1,167.49	93.89	
26 27 16 00-0130	EA	24" x 16" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	1,534.87	107.99	
26 27 16 00-0131	EA	24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	1,732.12	117.37	
26 27 16 00-0132		8" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0112)			
26 27 16 00-0133	EA	24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	1,597.77	119.72	
26 27 16 00-0134	EA	24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	1,844.66	129.10	
26 27 16 00-0135	EA	30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	2,029.84	136.15	
26 27 16 00-0136	EA	30" x 30" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	2,241.44	140.85	
26 27 16 00-0137	EA	36" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	2,209.86	140.85	
26 27 16 00-0138		Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0100)			
26 27 16 00-0139		8" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0138)			
26 27 16 00-0140	EA	60" x 48" x 8" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	7,173.83	190.73	
26 27 16 00-0141		10" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0138)			
26 27 16 00-0142	EA	60" x 48" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	7,237.73	211.27	
26 27 16 00-0143	EA	60" x 60" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	8,307.30	225.95	
26 27 16 00-0144	EA	72" x 60" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	9,550.34	281.69	
26 27 16 00-0145	EA	72" x 72" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	10,658.83	332.17	
26 27 16 00-0146		12" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0138)			
26 27 16 00-0147	EA	60" x 48" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	7,688.22	332.17	
26 27 16 00-0148	EA	60" x 60" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	8,575.96	352.11	
26 27 16 00-0149	EA	72" x 60" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	9,747.91	375.59	
26 27 16 00-0150	EA	72" x 72" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	10,768.50	375.59	
26 27 16 00-0151		NEMA 3 Enclosures, Lockable (26 27 16)			
		Note: Can be used underground or encased in concrete.			
26 27 16 00-0152		2" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures (26 27 16 00-0151)			
26 27 16 00-0153	EA	4" x 4" x 2" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	320.94	82.16	
26 27 16 00-0154		3" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures (26 27 16 00-0151)			
26 27 16 00-0155	EA	4" x 4" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	345.71	82.16	
26 27 16 00-0156	EA	5" x 5" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	445.39	85.09	
26 27 16 00-0157	EA	6" x 4" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	462.26	85.09	
26 27 16 00-0158	EA	6" x 6" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	584.21	88.03	
26 27 16 00-0159		4" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures (26 27 16 00-0151)			
26 27 16 00-0160	EA	4" x 4" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	440.84	85.09	
26 27 16 00-0161	EA	5" x 5" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	484.93	85.09	
26 27 16 00-0162	EA	6" x 4" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	505.62	88.03	
26 27 16 00-0163	EA	6" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	641.06	88.03	
26 27 16 00-0164	EA	8" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	705.24	93.89	
26 27 16 00-0165	EA	8" x 8" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	759.37	99.77	
26 27 16 00-0166	EA	10" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	791.59	99.77	
26 27 16 00-0167	EA	10" x 8" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	944.29	102.70	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0168	EA	12" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,025.50	105.63
26 27 16 00-0169	EA	12" x 12" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,409.13	117.37
26 27 16 00-0170 6" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures (26 27 16 00-0151)				
26 27 16 00-0171	EA	6" x 6" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	677.43	90.97
26 27 16 00-0172	EA	8" x 6" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	855.95	102.70
26 27 16 00-0173	EA	8" x 8" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,005.69	105.63
26 27 16 00-0174	EA	10" x 8" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,161.52	108.57
26 27 16 00-0175	EA	10" x 10" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,237.50	108.57
26 27 16 00-0176	EA	12" x 8" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,408.72	117.37
26 27 16 00-0177	EA	12" x 12" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,630.20	132.04
26 27 16 00-0178	EA	16" x 6" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,535.79	126.18
26 27 16 00-0179	EA	18" x 12" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	2,987.95	234.75
26 27 16 00-0180	EA	18" x 18" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	5,198.64	293.43
26 27 16 00-0181 8" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures (26 27 16 00-0151)				
26 27 16 00-0182	EA	8" x 8" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,248.81	111.50
26 27 16 00-0183	EA	12" x 8" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,882.04	146.71
26 27 16 00-0184	EA	12" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,913.07	146.71
26 27 16 00-0185	EA	16" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	2,587.62	220.07
26 27 16 00-0186	EA	18" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	3,418.99	234.75
26 27 16 00-0187	EA	24" x 24" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	8,712.33	410.81
26 27 16 00-0188 10" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures (26 27 16 00-0151)				
26 27 16 00-0189	EA	18" x 12" x 10" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	4,562.67	293.43
26 27 16 00-0190 12" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures (26 27 16 00-0151)				
26 27 16 00-0191	EA	18" x 18" x 12" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	7,036.87	352.11
26 27 16 00-0192	EA	24" x 12" x 12" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	5,780.53	322.78
26 27 16 00-0193 NEMA 3R Enclosures, Lockable (26 27 16)				
Note: Rain-tight enclosures.				
26 27 16 00-0194 Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0194)				
26 27 16 00-0195 4" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0194)				
26 27 16 00-0196	EA	6" x 4" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	104.28	23.47
26 27 16 00-0197	EA	6" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	115.18	25.82
26 27 16 00-0198	EA	8" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	174.55	28.16
26 27 16 00-0199 6" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0194)				
26 27 16 00-0200	EA	8" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	219.83	35.21
26 27 16 00-0201	EA	10" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	245.42	39.91
26 27 16 00-0202	EA	12" x 10" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	288.86	44.60
26 27 16 00-0203	EA	12" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	312.80	46.95
26 27 16 00-0204	EA	16" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	407.29	61.03
26 27 16 00-0205	EA	16" x 16" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	486.18	75.12
26 27 16 00-0206	EA	18" x 18" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	552.04	93.89
26 27 16 00-0207 8" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0194)				
26 27 16 00-0208	EA	24" x 20" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	847.73	119.72
26 27 16 00-0209	EA	24" x 24" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	941.68	129.10
26 27 16 00-0210	EA	30" x 24" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,063.78	136.15
26 27 16 00-0211	EA	30" x 30" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,119.83	140.85
26 27 16 00-0212 10" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0194)				
26 27 16 00-0213	EA	12" x 48" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,052.34	145.54
26 27 16 00-0214	EA	12" x 54" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,188.80	164.33
26 27 16 00-0215	EA	12" x 60" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,316.01	181.93
26 27 16 00-0216	EA	12" x 66" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,450.12	200.71
26 27 16 00-0217	EA	12" x 72" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,578.53	218.31
26 27 16 00-0218	EA	18" x 18" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	676.84	115.02
26 27 16 00-0219	EA	24" x 24" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,052.34	145.54
26 27 16 00-0220	EA	30" x 24" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,255.03	150.23
26 27 16 00-0221	EA	36" x 36" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,599.26	164.33
26 27 16 00-0222 12" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0194)				
26 27 16 00-0223	EA	12" x 48" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,031.02	116.20
26 27 16 00-0224	EA	12" x 54" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,155.89	130.29
26 27 16 00-0225	EA	12" x 60" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,279.60	144.37
26 27 16 00-0226	EA	12" x 66" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,415.53	159.62
26 27 16 00-0227	EA	12" x 72" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,540.42	173.71
26 27 16 00-0228	EA	18" x 24" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	770.21	86.86
26 27 16 00-0229	EA	18" x 32" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,031.02	116.20

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 27 16 00-0230	EA	18" x 36" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,155.89	130.29
26 27 16 00-0231	EA	18" x 42" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,361.34	152.59
26 27 16 00-0232	EA	18" x 48" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,540.42	173.71
26 27 16 00-0233	EA	30" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,461.52	171.36
26 27 16 00-0234	EA	36" x 24" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,540.42	173.71
26 27 16 00-0235	EA	36" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,624.51	178.41
26 27 16 00-0236	EA	36" x 36" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,814.02	187.80
26 27 16 00-0237	EA	42" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,970.11	197.19

26 27 16 00-0238 Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0193)

26 27 16 00-0239 4" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0238)

26 27 16 00-0240	EA	4" x 4" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	75.20	18.78
26 27 16 00-0241	EA	6" x 4" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	90.48	23.47
26 27 16 00-0242	EA	6" x 6" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	99.96	25.82
26 27 16 00-0243	EA	8" x 6" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	111.08	28.16
26 27 16 00-0244	EA	8" x 8" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	128.91	32.87
26 27 16 00-0245	EA	10" x 8" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	140.84	35.21
26 27 16 00-0246	EA	10" x 10" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	153.90	37.56
26 27 16 00-0247	EA	12" x 8" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	153.13	37.56
26 27 16 00-0248	EA	12" x 10" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	168.01	39.91
26 27 16 00-0249	EA	12" x 12" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	181.08	42.26
26 27 16 00-0250	EA	18" x 12" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	272.56	65.73
26 27 16 00-0251	EA	18" x 18" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	365.29	84.51

26 27 16 00-0252 6" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0238)

26 27 16 00-0253	EA	6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	103.36	28.16
26 27 16 00-0254	EA	8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	142.92	35.21
26 27 16 00-0255	EA	10" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	161.89	39.91
26 27 16 00-0256	EA	10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	176.03	42.26
26 27 16 00-0257	EA	12" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	174.88	42.26
26 27 16 00-0258	EA	12" x 10" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	189.96	44.60
26 27 16 00-0259	EA	12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	205.18	46.95
26 27 16 00-0260	EA	16" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	267.92	61.03
26 27 16 00-0261	EA	18" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	307.01	72.77
26 27 16 00-0262	EA	18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	411.48	93.89
26 27 16 00-0263	EA	24" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	427.88	100.94
26 27 16 00-0264	EA	24" x 18" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	493.31	107.99
26 27 16 00-0265	EA	24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	558.10	117.37

26 27 16 00-0266 8" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0238)

26 27 16 00-0267	EA	12" x 12" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	230.17	51.65
26 27 16 00-0268	EA	18" x 12" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	330.49	79.81
26 27 16 00-0269	EA	18" x 18" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	455.62	103.29
26 27 16 00-0270	EA	24" x 18" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	545.71	119.72
26 27 16 00-0271	EA	24" x 24" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	621.09	129.10
26 27 16 00-0272	EA	30" x 24" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	694.20	136.15

26 27 16 00-0273 10" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0238)

26 27 16 00-0274	EA	18" x 18" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure	502.03	115.02
26 27 16 00-0275	EA	24" x 24" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure	680.90	145.54
26 27 16 00-0276	EA	30" x 24" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure	752.47	150.23

26 27 16 00-0277 12" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0238)

26 27 16 00-0278	EA	24" x 24" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	752.88	159.62
26 27 16 00-0279	EA	30" x 30" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	1,076.66	173.71
26 27 16 00-0280	EA	36" x 30" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	1,113.39	178.41
26 27 16 00-0281	EA	36" x 36" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	1,314.18	187.80

26 27 16 00-0282 NEMA 4 Enclosures, Lockable (26 27 16)

Note: Water-tight enclosures.

26 27 16 00-0283 Hinge Cover, Painted Steel NEMA 4 Enclosures (26 27 16 00-0282)

26 27 16 00-0284	EA	4" x 4" x 3" Hinge Cover, Painted Steel NEMA 4 Enclosure	110.75	16.43
26 27 16 00-0285	EA	6" x 4" x 3" Hinge Cover, Painted Steel NEMA 4 Enclosure	129.25	19.96
26 27 16 00-0286	EA	8" x 6" x 3.5" Hinge Cover, Painted Steel NEMA 4 Enclosure	161.62	25.82
26 27 16 00-0287	EA	6" x 6" x 4" Hinge Cover, Painted Steel NEMA 4 Enclosure	153.70	25.82
26 27 16 00-0288	EA	10" x 8" x 4" Hinge Cover, Painted Steel NEMA 4 Enclosure	205.38	35.21
26 27 16 00-0289	EA	12" x 10" x 5" Hinge Cover, Painted Steel NEMA 4 Enclosure	255.96	42.26
26 27 16 00-0290	EA	10" x 8" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	236.40	39.91
26 27 16 00-0291	EA	12" x 12" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	275.58	46.95
26 27 16 00-0292	EA	14" x 12" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	324.34	53.99
26 27 16 00-0293	EA	16" x 14" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	393.00	68.08

26 27 16 00-0294 Clamp Cover, Painted Steel NEMA 4 Enclosures (26 27 16 00-0282)

26 27 16 00-0295	EA	4" x 4" x 3" Clamp Cover, Painted Steel NEMA 4 Enclosure	101.55	16.43
26 27 16 00-0296	EA	6" x 6" x 4" Clamp Cover, Painted Steel NEMA 4 Enclosure	144.53	25.82

26 27 16 00-0297 Screw Cover, Fiberglass NEMA 4 Or 4x Enclosures (26 27 16 00-0282)				
26 27 16 00-0298	EA	6" x 6" x 4", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure	127.40	22.53
26 27 16 00-0299	EA	8" x 6" x 4", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure	135.31	24.42
26 27 16 00-0300	EA	10" x 8" x 6", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure	165.98	31.92
26 27 16 00-0301	EA	12" x 10" x 6", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure	194.17	35.21
26 27 16 00-0302	EA	14" x 12" x 8", Screw Cover, Fiberglass NEMA 4 Enclosure	251.20	44.60
26 27 16 00-0303	EA	16" x 14" x 8", Screw Cover, Fiberglass NEMA 4 Enclosure	293.62	52.82
26 27 16 00-0304	EA	18" x 16" x 10", Screw Cover, Fiberglass NEMA 4 Enclosure	412.82	84.51
26 27 16 00-0305 NEMA 4X Enclosures, Lockable (26 27 16)				
Note: Water-tight enclosures.				
26 27 16 00-0306 Clamp Cover, Aluminum NEMA 4X Enclosures (26 27 16 00-0305)				
26 27 16 00-0307	EA	6" x 4" x 3" Clamp Cover, Aluminum NEMA 4X Enclosure	221.38	18.78
26 27 16 00-0308	EA	6" x 6" x 4" Clamp Cover, Aluminum NEMA 4X Enclosure	260.75	25.82
26 27 16 00-0309	EA	10" x 8" x 4" Clamp Cover, Aluminum NEMA 4X Enclosure	330.34	35.21
26 27 16 00-0310	EA	12" x 10" x 5" Clamp Cover, Aluminum NEMA 4X Enclosure	401.05	42.26
26 27 16 00-0311	EA	14" x 12" x 6" Clamp Cover, Aluminum NEMA 4X Enclosure	494.33	53.99
26 27 16 00-0312	EA	16" x 14" x 6" Clamp Cover, Aluminum NEMA 4X Enclosure	583.45	68.08
26 27 16 00-0313 Clamp Cover, 304 Stainless Steel NEMA 4X Enclosures (26 27 16 00-0305)				
26 27 16 00-0314	EA	4" x 4" x 3", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	339.76	16.43
For 316 Stainless Steel, Add			47.79	
26 27 16 00-0315	EA	6" x 4" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	440.86	23.47
For 316 Stainless Steel, Add			61.15	
26 27 16 00-0316	EA	6" x 6" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	499.96	25.82
For 316 Stainless Steel, Add			69.66	
26 27 16 00-0317	EA	8" x 6" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	572.88	28.16
For 316 Stainless Steel, Add			80.39	
26 27 16 00-0318	EA	10" x 8" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	703.29	35.21
For 316 Stainless Steel, Add			98.44	
26 27 16 00-0319	EA	12" x 10" x 6", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	991.64	44.60
For 316 Stainless Steel, Add			140.82	
26 27 16 00-0320	EA	14" x 12" x 6", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	1,237.03	53.99
For 316 Stainless Steel, Add			176.33	
26 27 16 00-0321	EA	16" x 14" x 6", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	1,489.83	68.08
For 316 Stainless Steel, Add			211.14	
26 27 16 00-0322 Screw Cover, Polycarbonate NEMA 4X Enclosures (26 27 16 00-0305)				
Note: NEMA 3R, 4, 4X and 12 rated.				
26 27 16 00-0323	EA	6" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	149.70	25.82
26 27 16 00-0324	EA	8" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	169.01	28.16
26 27 16 00-0325	EA	8" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	193.08	32.87
26 27 16 00-0326	EA	10" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	210.15	35.21
26 27 16 00-0327	EA	12" x 10" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	243.17	39.91
26 27 16 00-0328	EA	10" x 8" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	227.48	39.91
26 27 16 00-0329	EA	12" x 10" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	266.04	44.60
26 27 16 00-0330	EA	14" x 12" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	334.39	53.99
26 27 16 00-0331	EA	16" x 14" x 8" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	424.60	73.95
26 27 16 00-0332	EA	18" x 16" x 10" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	540.92	106.45
26 27 16 00-0333	EA	6" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	162.04	25.82
26 27 16 00-0334	EA	8" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	183.58	28.16
26 27 16 00-0335	EA	8" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	208.76	32.87
26 27 16 00-0336	EA	10" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	229.19	35.21
26 27 16 00-0337	EA	12" x 10" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	263.33	39.91
26 27 16 00-0338	EA	10" x 8" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	246.54	39.91
26 27 16 00-0339	EA	12" x 10" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	291.88	44.60
26 27 16 00-0340	EA	14" x 12" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	347.84	53.99
26 27 16 00-0341	EA	16" x 14" x 8" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	452.62	73.95
26 27 16 00-0342	EA	18" x 16" x 10" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	571.16	106.45
26 27 16 00-0343 Hinged Cover, Polycarbonate NEMA 4X Enclosures (26 27 16 00-0305)				
Note: NEMA 3R, 4, 4X and 12 rated.				
26 27 16 00-0344	EA	6" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	184.44	25.82
26 27 16 00-0345	EA	8" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	197.02	28.16
26 27 16 00-0346	EA	8" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	223.32	32.87
26 27 16 00-0347	EA	10" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	241.52	35.21
26 27 16 00-0348	EA	12" x 10" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	286.87	39.91
26 27 16 00-0349	EA	10" x 8" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	262.22	39.91
26 27 16 00-0350	EA	12" x 10" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	324.36	44.60
26 27 16 00-0351	EA	14" x 12" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	384.82	53.99
26 27 16 00-0352	EA	16" x 14" x 8" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	468.31	73.95
26 27 16 00-0353	EA	18" x 16" x 10" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	598.05	106.45
26 27 16 00-0354	EA	6" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	193.40	25.82
26 27 16 00-0355	EA	8" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	213.82	28.16
26 27 16 00-0356	EA	8" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	239.00	32.87
26 27 16 00-0357	EA	10" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	258.32	35.21
26 27 16 00-0358	EA	12" x 10" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	309.28	39.91
26 27 16 00-0359	EA	10" x 8" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	281.26	39.91
26 27 16 00-0360	EA	12" x 10" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	347.89	44.60

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI UOM DESCRIPTION		UNIT COST		UNIT COST	
26 27 16 00-0361	EA	14" x 12" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	396.02	53.99	
26 27 16 00-0362	EA	16" x 14" x 8" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	505.27	73.95	
26 27 16 00-0363	EA	18" x 16" x 10" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	637.27	106.45	
26 27 16 00-0364		NEMA 7/9 Enclosures, Lockable (26 27 16)			
		Note: Nominal inside dimensions.			
26 27 16 00-0365		4" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures (26 27 16 00-0364)			
26 27 16 00-0366	EA	6" x 6" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	1,472.19	132.04	
		For Mounting Pan, Add	63.95		
26 27 16 00-0367	EA	6" x 8" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	1,165.55	140.85	
		For Mounting Pan, Add	119.16		
26 27 16 00-0368	EA	8" x 10" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	2,305.77	158.45	
		For Mounting Pan, Add	164.32		
26 27 16 00-0369		6" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures (26 27 16 00-0364)			
26 27 16 00-0370	EA	8" x 8" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	2,046.25	158.45	
		For Mounting Pan, Add	83.56		
26 27 16 00-0371	EA	8" x 10" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	2,676.37	162.85	
		For Mounting Pan, Add	164.32		
26 27 16 00-0372	EA	8" x 12" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	2,736.46	176.06	
		For Mounting Pan, Add	125.69		
26 27 16 00-0373	EA	10" x 10" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	2,809.41	176.06	
		For Mounting Pan, Add	147.06		
26 27 16 00-0374	EA	10" x 14" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	3,978.90	220.07	
		For Mounting Pan, Add	192.93		
26 27 16 00-0375	EA	12" x 12" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	3,753.01	198.06	
		For Mounting Pan, Add	120.47		
26 27 16 00-0376	EA	12" x 18" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	3,879.03	220.07	
		For Mounting Pan, Add	180.25		
26 27 16 00-0377	EA	12" x 24" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	5,978.81	396.13	
		For Mounting Pan, Add	242.51		
26 27 16 00-0378	EA	14" x 14" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	4,758.99	264.08	
		For Mounting Pan, Add	236.12		
26 27 16 00-0379	EA	16" x 16" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	6,223.62	440.14	
		For Mounting Pan, Add	216.77		
26 27 16 00-0380	EA	18" x 18" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	7,479.62	440.14	
		For Mounting Pan, Add	352.40		
26 27 16 00-0381		8" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures (26 27 16 00-0364)			
26 27 16 00-0382	EA	8" x 12" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	3,195.46	198.06	
		For Mounting Pan, Add	125.69		
26 27 16 00-0383	EA	10" x 10" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	3,218.13	198.06	
		For Mounting Pan, Add	147.06		
26 27 16 00-0384	EA	10" x 14" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	3,649.89	198.06	
		For Mounting Pan, Add	192.93		
26 27 16 00-0385	EA	12" x 12" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	4,044.47	220.07	
		For Mounting Pan, Add	120.47		
26 27 16 00-0386	EA	12" x 18" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	5,861.86	396.13	
		For Mounting Pan, Add	180.25		
26 27 16 00-0387	EA	12" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	7,132.64	484.17	
		For Mounting Pan, Add	242.51		
26 27 16 00-0388	EA	12" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	11,245.47	572.19	
		For Mounting Pan, Add	364.71		
26 27 16 00-0389	EA	14" x 14" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	6,411.54	484.17	
		For Mounting Pan, Add	236.12		
26 27 16 00-0390	EA	16" x 16" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	6,589.22	484.17	
		For Mounting Pan, Add	216.77		
26 27 16 00-0391	EA	16" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	9,861.77	528.18	
		For Mounting Pan, Add	324.93		
26 27 16 00-0392	EA	18" x 18" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	8,134.30	484.17	
		For Mounting Pan, Add	352.40		
26 27 16 00-0393	EA	18" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	10,893.01	528.18	
		For Mounting Pan, Add	515.31		
26 27 16 00-0394	EA	18" x 30" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	10,817.58	528.18	
		For Mounting Pan, Add	686.98		
26 27 16 00-0395	EA	18" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	16,821.50	704.24	
		For Mounting Pan, Add	858.60		
26 27 16 00-0396	EA	24" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	12,794.24	572.19	
		For Mounting Pan, Add	798.35		
26 27 16 00-0397	EA	24" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	23,216.33	880.29	
		For Mounting Pan, Add	1,092.93		
26 27 16 00-0398		10" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures (26 27 16 00-0364)			
26 27 16 00-0399	EA	12" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	11,702.54	572.19	
		For Mounting Pan, Add	364.71		
26 27 16 00-0400	EA	16" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	10,772.15	528.18	
		For Mounting Pan, Add	324.93		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0401	EA	18" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	11,736.55 515.31	572.19
26 27 16 00-0402	EA	18" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	14,850.39 858.60	616.21
26 27 16 00-0403	EA	24" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	13,124.04 798.35	616.21
26 27 16 00-0404	EA	24" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	25,310.22 1,092.93	880.29
26 27 16 00-0405 12" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures (26 27 16 00-0364)				
26 27 16 00-0406	EA	12" x 24" x 12" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	7,295.65 242.51	484.17
26 27 16 00-0407 Breaker Enclosures (26 27 16)				
See CSI section 26 24 16 00-0001 for lighting and power panel boards.				
26 27 16 00-0408 15 To 100 Amperes, F-Frame Breaker Enclosures (26 27 16 00-0407)				
26 27 16 00-0409	EA	NEMA 1, Painted Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure.....	392.79	93.89
26 27 16 00-0410	EA	NEMA 3R, Painted Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure	730.10	93.89
26 27 16 00-0411	EA	NEMA 3/3R/4/4X/5/12, Stainless Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure	1,810.27	129.10
26 27 16 00-0412	EA	NEMA 7, Cast Aluminum, 15 To 100 Amperes, F-Frame Breaker Enclosure.....	2,457.39	140.85
26 27 16 00-0413	EA	NEMA 9, Cast Aluminum, 15 To 100 Amperes, F-Frame Breaker Enclosure.....	1,788.19	140.85
26 27 16 00-0414	EA	NEMA 12, Painted Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure.....	621.57	129.10
26 27 16 00-0415 15 To 250 Amperes, H Or J-Frame Breaker Enclosures (26 27 16 00-0407)				
26 27 16 00-0416	EA	NEMA 1, Painted Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure	629.14	129.10
26 27 16 00-0417	EA	NEMA 3R, Painted Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure	1,169.29	129.10
26 27 16 00-0418	EA	NEMA 3/3R/4/4X/5/12, Stainless Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure	4,021.69	164.33
26 27 16 00-0419	EA	NEMA 12, Painted Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure.....	959.87	164.33
26 27 16 00-0420 125 To 400 Amperes, L-Frame Breaker Enclosures (26 27 16 00-0407)				
26 27 16 00-0421	EA	NEMA 1, Painted Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure.....	979.54	258.22
26 27 16 00-0422	EA	NEMA 3R, Painted Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure	2,311.52	258.22
26 27 16 00-0423	EA	NEMA 3/3R/4/4X/5/12, Stainless Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure.....	6,810.27	328.64
26 27 16 00-0424	EA	NEMA 12, Painted Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure	1,636.57	328.64
26 27 16 00-0425 300 To 800 Amperes, M-Frame Breaker Enclosures (26 27 16 00-0407)				
26 27 16 00-0426	EA	NEMA 1, Painted Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure	1,919.83	492.97
26 27 16 00-0427	EA	NEMA 3R, Painted Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure	3,327.64	492.97
26 27 16 00-0428	EA	NEMA 3/3R/4/4X/5/12, Stainless Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure.....	12,249.10	633.81
26 27 16 00-0429	EA	NEMA 12, Painted Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure	6,601.58	633.81
26 27 16 00-0430 250 To 1,200 Amperes, P-Frame Breaker Enclosures (26 27 16 00-0407)				
26 27 16 00-0431	EA	NEMA 1, Painted Steel, 250 To 1,200 Amperes, P-Frame Breaker Enclosure	2,352.59	492.97
26 27 16 00-0432	EA	NEMA 3R, Painted Steel, 250 To 1,200 Amperes, P-Frame Breaker Enclosure	4,012.02	492.97
26 27 16 00-0433	EA	NEMA 3R/5/12, Painted Steel, 250 To 1,200 Amperes, P-Frame Breaker Enclosure	8,315.25	633.81
26 27 16 00-0434 Legend Plates (26 27 16)				
26 27 16 00-0435	EA	3" Phenolic Plastic Cabinet Legend Plate Engraved With 1/2" Letters	20.32	5.87
26 27 16 00-0436	EA	3" Engraved Aluminum Cabinet Legend Plate Engraved With 1/2" Letters	29.16	5.87
26 27 19 Multi-Outlet Assemblies (26 27)				
26 27 19 00-0001 Surface Metal Raceway, Preassembled With Outlets (26 27 19)				
Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. (Wiremold or approved equal).				
26 27 19 00-0002	LF	Single Circuit, Plugmold #2000, 3' With Outlets 6" On Center..... <i>For Concrete Or Masonry Surface, Add</i>	27.26 0.86	8.57
26 27 19 00-0003	LF	Single Circuit, Plugmold #2000, 6' With Outlets 6" On Center..... <i>For Concrete Or Masonry Surface, Add</i>	21.05 0.62	6.10
26 27 19 00-0004	LF	Single Circuit, Plugmold #2000, 6' With Outlets 9" On Center..... <i>For Concrete Or Masonry Surface, Add</i>	19.93 0.64	6.45
26 27 19 00-0005	LF	Single Circuit, Plugmold #2000, 6' With Outlets 12" On Center..... <i>For Concrete Or Masonry Surface, Add</i>	21.80 0.62	6.10
26 27 19 00-0006	LF	Single Circuit, Plugmold #2000, 6' With Outlets 18" On Center..... <i>For Concrete Or Masonry Surface, Add</i>	17.91 0.62	6.22
26 27 19 00-0007	LF	Two Circuits, Plugmold #2000, 6' With Outlets 9" On Center	24.27	6.10
26 27 19 00-0008	LF	Two Circuits, Plugmold #2000, 6' With Outlets 12" On Center	21.57	6.10
26 27 19 00-0009	LF	Two Circuits, Plugmold #2000, 6' With Outlets 18" On Center	23.20 0.62	6.10
26 27 23 Indoor Service Poles (26 27)				

26	26	Electrical
	26 20	Low-Voltage Electrical Distribution
	26 27	Low-Voltage Distribution Equipment



MINOR		TOTAL DIRECT		DEMOLITION	
CSI UOM DESCRIPTION		UNIT COST		UNIT COST	
26 27 23 00-0001	Communication And Power Poles (26 27 23) Note: Includes separate compartments for power and communication cable. Includes removable cover plates with knock-outs for modular jacks and openings to accept modular furniture adapters for communication devices. Includes all necessary mounting plates and assemblies. Excludes electrical and communications wire, power outlets and communication devices. Wiremold Tele-Power Pole series.				
26 27 23 00-0002	Steel Communication And Power Poles (26 27 23 00-0001)				
26 27 23 00-0003	2-1/4" Width, Steel Communication And Power Poles (26 27 23 00-0002)				
26 27 23 00-0004	2-1/4" Width, Steel Communication And Power Poles (26 27 23 00-0003)				
26 27 23 00-0005	EA	2-1/4" x 2-5/16", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	315.31		52.01
26 27 23 00-0006	EA	2-1/4" x 2-5/16", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	342.76		52.01
26 27 23 00-0007	EA	2-1/4" x 2-5/16", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	374.50		52.01
26 27 23 00-0008	Additional Cover Plates For 2-1/4" Width, Steel Communication And Power Poles (26 27 23 00-0003) Note: Excludes receptacles, communication jacks and wiring.				
26 27 23 00-0009	EA	Add-On 2-1/4" Width Steel Cover Plate For Two Duplex Receptacles And One Single Receptacle	64.55		10.72
26 27 23 00-0010	EA	Add-On 2-1/4" Width Steel Cover Plate For Three Duplex Receptacles.....	55.89		10.72
26 27 23 00-0011	EA	Add-On 2-1/4" Width Steel Cover Plate For Two Duplex Receptacles And One GFCI Receptacle.....	63.35		10.72
26 27 23 00-0012	EA	Add-On 2-1/4" Width Steel Cover Plate For Data And A/V Modular Devices	46.80		10.72
26 27 23 00-0013	EA	Add-On 2-1/4" Width Steel Cover Plate Radius Control Entrance End Fitting	38.45		10.72
26 27 23 00-0014	2-3/4" Width, Steel Communication And Power Poles (26 27 23 00-0002)				
26 27 23 00-0015	2-3/4" Width, Steel Communication And Power Poles (26 27 23 00-0014)				
26 27 23 00-0016	EA	2-3/4" x 1-17/32", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	409.44		52.01
26 27 23 00-0017	EA	2-3/4" x 1-17/32", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	468.43		52.01
26 27 23 00-0018	EA	2-3/4" x 1-17/32", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	500.27		52.01
26 27 23 00-0019	Additional Cover Plates For 2-3/4" Width, Steel Communication And Power Poles (26 27 23 00-0014) Note: Excludes receptacles and communication jacks.				
26 27 23 00-0020	EA	Add-On 2-3/4" Width Steel Cover Plate For One Single Receptacle	43.11		10.72
26 27 23 00-0021	EA	Add-On 2-3/4" Width Steel Cover Plate For One Duplex Receptacle.....	38.71		10.72
26 27 23 00-0022	EA	Add-On 2-3/4" Width Steel Cover Plate For Data And A/V Modular Devices	41.86		10.72
26 27 23 00-0023	3" Width, Steel Communication And Power Poles (26 27 23 00-0002)				
26 27 23 00-0024	3" Width, Steel Communication And Power Poles (26 27 23 00-0023)				
26 27 23 00-0025	EA	3" x 2-3/4", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	534.45		52.01
26 27 23 00-0026	EA	3" x 2-3/4", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	605.47		52.01
26 27 23 00-0027	EA	3" x 2-3/4", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	652.28		52.01
26 27 23 00-0028	Additional Cover Plates For 3" Width, Steel Communication And Power Poles (26 27 23 00-0023) Note: Excludes receptacles and communication jacks.				
26 27 23 00-0029	EA	Add-On 3" Width Steel Steel Cover Plate For One Single Receptacle	43.11		10.72
26 27 23 00-0030	EA	Add-On 3" Width Steel Cover Plate For One Duplex Receptacle	38.71		10.72
26 27 23 00-0031	EA	Add-On 3" Width Steel Cover Plate For Data And A/V Modular Devices.....	41.86		10.72
26 27 23 00-0032	Aluminum Communication And Power Poles (26 27 23 00-0001)				
26 27 23 00-0033	2-1/8" Width, Aluminum Communication And Power Poles (26 27 23 00-0032)				
26 27 23 00-0034	2-1/8" Width, Aluminum Communication And Power Poles (26 27 23 00-0033)				
26 27 23 00-0035	EA	2-1/8" x 2-3/8", 10'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	427.91		52.01
26 27 23 00-0036	EA	2-1/8" x 2-3/8", 12'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	477.56		52.01
26 27 23 00-0037	EA	2-1/8" x 2-3/8", 15'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	533.22		52.01
26 27 23 00-0038	Additional Cover Plates For 2-1/8" Width, Aluminum Communication And Power Poles (26 27 23 00-0033)				
26 27 23 00-0039	EA	Add-On 2-1/8" Width Aluminum Cover Plate For Two Duplex Receptacles And One Single Receptacle.....	66.25		10.72
26 27 23 00-0040	EA	Add-On 2-1/8" Width Aluminum Cover Plate For Three Duplex Receptacles.....	67.65		10.72
26 27 23 00-0041	EA	Add-On 2-1/8" Width Aluminum Cover Plate For Two Duplex Receptacles And One GFCI Receptacle	72.31		10.72
26 27 23 00-0042	EA	Add-On 2-1/8" Width Aluminum Cover Plate For Data And A/V Modular Devices.....	49.42		10.72
26 27 23 00-0043	EA	Add-On 2-1/8" Width Aluminum Radius Control Entrance End Fitting	38.45		10.72
26 27 23 00-0044	2-1/4" Width, Aluminum Communication And Power Poles (26 27 23 00-0032)				
26 27 23 00-0045	EA	2-1/4" x 2-5/16", 10'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	412.41		52.01
26 27 23 00-0046	EA	2-1/4" x 2-5/16", 12'-8" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	463.33		52.01
26 27 23 00-0047	EA	2-1/4" x 2-5/16", 15'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	523.32		52.01
26 27 23 00-0048	5" Width, Aluminum Communication And Power Poles (26 27 23 00-0032)				
26 27 23 00-0049	EA	5" x 4-3/4", 10'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	865.97		52.01

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 27 23 00-0050	EA		5" x 4-3/4", 12'-8" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	990.86	52.01
26 27 23 00-0051	EA		5" x 4-3/4", 15'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	1,130.73	52.01

26 27 23 00-0052 2" Diameter, Round Aluminum Communication And Power Pole (26 27 23 00-0032)

26 27 23 00-0053	EA		2" Diameter, 10'-4" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	469.32	52.01
26 27 23 00-0054	EA		2" Diameter, 10'-4" Height, Painted White Finish, Aluminum Communication And Power Pole.....	444.15	52.01
26 27 23 00-0055	EA		2" Diameter, 10'-4" Height, Polished Anodized Finish, Aluminum Communication And Power Pole.....	569.76	52.01

26 27 26 Wiring Devices (26 27)

Note: Includes device, installation, wire connections, support clips (where necessary) and testing. Assemblies include outlet device, cover plate, mounting and appropriate box.

26 27 26 00-0001 Receptacles (26 27 26)

26 27 26 00-0002 General Use Receptacles (26 27 26 00-0001)

26 27 26 00-0003 Receptacle Assemblies (26 27 26 00-0002)

Note: Includes 4" square steel box, bracket, mud ring, receptacle and cover plate.

26 27 26 00-0004	EA		15 Amperes, 1 Gang, NEMA 5-15, Duplex Receptacle Assembly.....	94.46	41.67
26 27 26 00-0005	EA		20 Amperes, 1 Gang, NEMA 5-20, Duplex Receptacle Assembly.....	101.40	44.60
26 27 26 00-0006	EA		15 Amperes, 2 Gang, NEMA 5-15, Duplex Receptacle Assembly.....	122.19	53.40
26 27 26 00-0007	EA		20 Amperes, 2 Gang, NEMA 5-20, Duplex Receptacle Assembly.....	136.07	59.28
26 27 26 00-0008	EA		15 Amperes, 1 Gang, GFI, Duplex Receptacle Assembly.....	108.89	41.67
26 27 26 00-0009	EA		20 Amperes, 1 Gang, GFI, Duplex Receptacle Assembly.....	116.59	44.60

26 27 26 00-0010 Receptacle Components (26 27 26 00-0003)

26 27 26 00-0011	EA		15 Amperes, 125 Volt, 1 Phase, NEMA 5-15, Single Receptacle.....	27.41	11.74
26 27 26 00-0012	EA		15 Amperes, 125 Volt, 1 Phase, NEMA 5-15, Duplex Receptacle.....	26.56	11.74
26 27 26 00-0013	EA		15 Amperes, 120/277 Volt, 3 Wire, Single Receptacle.....	31.52	11.74
26 27 26 00-0014	EA		15 Amperes, 120/277 Volt, 3 Wire, Duplex Receptacle.....	34.39	11.74
26 27 26 00-0015	EA		15 Amperes, 250 Volt, 1 Phase, NEMA 6-15, Single Receptacle.....	43.93	14.67
26 27 26 00-0016	EA		15 Amperes, 250 Volt, 1 Phase, NEMA 6-15, Duplex Receptacle.....	53.35	14.67
26 27 26 00-0017	EA		20 Amperes, 125 Volt, 1 Phase, NEMA 5-20, Single Receptacle.....	28.51	11.74
26 27 26 00-0018	EA		20 Amperes, 125 Volt, 1 Phase, NEMA 5-20, Duplex Receptacle.....	27.63	11.74
26 27 26 00-0019	EA		20 Amperes, 120/277 Volt, Single Receptacle.....	40.56	11.74
26 27 26 00-0020	EA		20 Amperes, 120/277 Volt, Duplex Receptacle.....	33.49	11.74
26 27 26 00-0021	EA		20 Amperes, 250 Volt, 1 Phase, NEMA 6-20, Single Receptacle.....	43.93	14.67
26 27 26 00-0022	EA		20 Amperes, 250 Volt, 1 Phase, NEMA 6-20, Duplex Receptacle.....	53.35	14.67
26 27 26 00-0023	EA		20 Amperes, 125/250 Volt, 1 Phase, NEMA 14-20, Single Receptacle.....	83.57	14.67
26 27 26 00-0024	EA		20 Amperes, 250 Volt, 3 Phase, NEMA 15-20, Single Receptacle.....	83.57	14.67
26 27 26 00-0025	EA		25 Amperes, 120/277 Volt, Duplex Receptacle.....	70.03	17.61

26 27 26 00-0026 Specialty Receptacles (26 27 26 00-0001)

26 27 26 00-0027 Specialty Receptacles (26 27 26 00-0026)

26 27 26 00-0028	EA		30 Amperes, 125 Volt, 1 Phase, NEMA 5-30, Single Receptacle.....	62.47	20.54
26 27 26 00-0029	EA		30 Amperes, 250 Volt, 1 Phase, NEMA 6-30, Single Receptacle.....	62.47	20.54
26 27 26 00-0030	EA		30 Amperes, 125/250 Volt, NEMA 10-30, Single Receptacles.....	84.17	20.54
26 27 26 00-0031	EA		30 Amperes, 125/250 Volt, 1 Phase, NEMA 14-30, Single Receptacle.....	95.30	20.54
26 27 26 00-0032	EA		30 Amperes, 250 Volt, 3 Phase, NEMA 15-30, Single Receptacle.....	101.17	23.47
26 27 26 00-0033	EA		50 Amperes, 125 Volt, 1 Phase, NEMA 5-50, Single Receptacle.....	93.34	23.47
26 27 26 00-0034	EA		50 Amperes, 250 Volt, 1 Phase, NEMA 6-50, Single Receptacle.....	91.13	23.47
26 27 26 00-0035	EA		50 Amperes, 277 Volt, NEMA 7-50, Single Receptacle.....	79.74	23.47
26 27 26 00-0036	EA		50 Amperes, 125/250 Volt, NEMA 10-50, Single Receptacle.....	102.12	23.47
26 27 26 00-0037	EA		50 Amperes, 125/250 Volt, 1 Phase, NEMA 14-50, Single Receptacle.....	113.22	23.47
26 27 26 00-0038	EA		50 Amperes, 250 Volt, 3 Phase, NEMA 15-50, Single Receptacle.....	119.09	26.41
26 27 26 00-0039	EA		60 Amperes, 125/250 Volt, 1 Phase, NEMA 14-60, Single Receptacle.....	130.98	29.35
26 27 26 00-0040	EA		60 Amperes, 250 Volt, 3 Phase, NEMA 15-60, Single Receptacle.....	142.72	35.21
26 27 26 00-0041	EA		100 Amperes, 480 Volt, 3 Phase, Joy Receptacle With Box, Complete.....	1,356.22	275.83
26 27 26 00-0042	EA		400 Amperes, 4 Pole Weatherproof Generator Receptacle With Box, Complete.....	3,340.03	337.44
26 27 26 00-0043	EA		30 Amperes, 230 Volt, Dryer Receptacle.....	74.60	23.47
26 27 26 00-0044	EA		60 Amperes, 230 Volt, Range Receptacle.....	109.16	35.21
26 27 26 00-0045	EA		15 Or 20 Amperes, 120/277 Volt, Clock Hanger Receptacle.....	70.52	14.67
26 27 26 00-0046	EA		Cable Reel With 20 Amperes, 120 Volt Receptacle, Complete.....	1,418.96	357.40
26 27 26 00-0047	EA		Projector Receptacle Switchcraft #D4F.....	78.47	26.41
26 27 26 00-0048	EA		Electronic Receptacle Cannon XLR/SLR.....	101.18	26.41

26 27 26 00-0049 Isolated Ground Receptacles (26 27 26 00-0026)

26 27 26 00-0050	EA		15 Amperes, 125 Volt, NEMA 5-15R Isolated Ground Receptacle, Simplex.....	95.54	11.74
			Note: 2 Pole, 3 wire.		
26 27 26 00-0051	EA		20 Amperes, 120 Volt Isolated Ground Receptacles, Simplex.....	59.79	14.67
26 27 26 00-0052	EA		20 Amperes, 120 Volt Isolated Ground Receptacles, Duplex.....	59.57	14.67
26 27 26 00-0053	EA		30 Amperes, 120 Volt Isolated Ground Receptacles, Simplex.....	82.62	23.47
26 27 26 00-0054	EA		Locking 15 Amperes, 250 Volt Isolated Ground Receptacles.....	67.04	14.67
26 27 26 00-0055	EA		Locking 15 Amperes, 277 Volt Isolated Ground Receptacles.....	61.40	14.67
26 27 26 00-0056	EA		Locking 20 Amperes, 120/208 Volt Isolated Ground Receptacles.....	84.91	17.61
26 27 26 00-0057	EA		Locking 20 Amperes, 277/480 Volt Isolated Ground Receptacles.....	67.34	17.61
26 27 26 00-0058	EA		Locking 20 Amperes, 347/600 Volt Isolated Ground Receptacles.....	87.00	17.61
26 27 26 00-0059	EA		Locking 30 Amperes, 120/208 Volt Isolated Ground Receptacles.....	106.16	17.61
26 27 26 00-0060	EA		Locking 30 Amperes, 277 Volt Isolated Ground Receptacles.....	104.38	23.47

26	26	Electrical
	26 20	Low-Voltage Electrical Distribution
	26 27	Low-Voltage Distribution Equipment



		MINOR			TOTAL DIRECT	DEMOLITION
		CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 27 26 00-0061	Explosion Proof Receptacles (26 27 26 00-0026)					
	26 27 26 00-0062	EA		1/2", 20 Amperes, 2 Watt, 3 Pole, Type CPS Explosion Proof Receptacle Assembly	981.68	29.35
	26 27 26 00-0063	EA		3/4", 20 Amperes, 2 Watt, 3 Pole, Type CPS Explosion Proof Receptacle Assembly	903.12	32.27
	26 27 26 00-0064	EA		3/4", 30 Amperes, 2 Watt, 3 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	1,500.17	58.68
	26 27 26 00-0065	EA		3/4", 30 Amperes, 3 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	1,893.73	58.68
	26 27 26 00-0066	EA		1-1/4", 60 Amperes, 2 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	2,392.64	88.03
	26 27 26 00-0067	EA		1-1/4", 60 Amperes, 3 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	2,278.71	88.03
26 27 26 00-0068	Ground Fault Circuit Interrupter (GFCI) (26 27 26 00-0026)					
	26 27 26 00-0069	EA		15 Amperes, Ground Fault Circuit Interrupter (GFCI), Duplex Receptacle	38.06	14.67
	26 27 26 00-0070	EA		20 Amperes, Ground Fault Circuit Interrupter (GFCI), Duplex Receptacle	54.56	17.61
	26 27 26 00-0071	EA		15 Amperes, 120 Volt, Ground Fault Circuit Interrupter (GFCI), Weatherproof Duplex Receptacle	40.56	19.99
	26 27 26 00-0072	EA		20 Amperes, 120 Volt, Ground Fault Circuit Interrupter (GFCI), Weatherproof Duplex Receptacle	69.35	23.47
26 27 26 00-0073	Arc Fault Circuit Interrupter (AFCI) (26 27 26 00-0026)					
	26 27 26 00-0074	EA		15 Amperes, 125 Volt Duplex Arc Fault Circuit Interrupter (AFCI), Tamper Resistant Receptacle	69.52	14.67
	26 27 26 00-0075	EA		20 Amperes, 125 Volt Duplex Arc Fault Circuit Interrupter (AFCI), Tamper Resistant Receptacle	76.50	14.67
26 27 26 00-0076	Locking Receptacle (26 27 26 00-0026)					
	26 27 26 00-0077	EA		NEMA L5-15, 125 Volt, 2 Pole, 15 Amperes, Locking Receptacle.....	56.41	14.67
	26 27 26 00-0078	EA		NEMA L6-15, 250 Volt, 2 Pole, 15 Amperes, Locking Receptacle.....	70.45	14.67
	26 27 26 00-0079	EA		NEMA L5-20, 125 Volt, 2 Pole, 20 Amperes, Locking Receptacle.....	62.11	17.61
	26 27 26 00-0080	EA		NEMA L6-20, 250 Volt, 2 Pole, 20 Amperes, Locking Receptacle.....	61.49	17.61
	26 27 26 00-0081	EA		NEMA L8-20, 480 Volt, 2 Pole, 20 Amperes, Locking Receptacle.....	73.84	17.61
	26 27 26 00-0082	EA		NEMA L9-20, 600 Volt, 2 Pole, 20 Amperes, Locking Receptacle.....	89.81	17.61
	26 27 26 00-0083	EA		NEMA L10-20, 125/250 Volt, 3 Pole, 20 Amperes, Locking Receptacle.....	88.04	17.61
	26 27 26 00-0084	EA		NEMA L14-20, 125/250 Volt, 3 Pole, 20 Amperes, Locking Receptacle.....	76.37	17.61
	26 27 26 00-0085	EA		NEMA L5-30, 125 Volt, 2 Pole, 30 Amperes, Locking Receptacle.....	86.00	23.47
	26 27 26 00-0086	EA		NEMA L6-30, 250 Volt, 2 Pole, 30 Amperes, Locking, Receptacle.....	87.49	23.47
	26 27 26 00-0087	EA		NEMA L15-30, 250 Volt, 3 Pole, 30 Amperes, Locking Receptacle.....	112.15	23.47
26 27 26 00-0088	Hospital Grade Receptacle (26 27 26 00-0026)					
	26 27 26 00-0089	EA		15 Amperes, Heavy-Duty Hospital Grade, NEMA 5-15, Duplex Receptacle.....	57.65	11.74
	26 27 26 00-0090	EA		20 Amperes, Heavy-Duty Hospital Grade, NEMA 5-20, Duplex Receptacle.....	62.98	11.74
	26 27 26 00-0091	EA		20 Amperes, Heavy-Duty Hospital Grade, NEMA 5-20, Duplex Receptacle, Isolated Ground	73.07	11.74
	26 27 26 00-0092	EA		20 Amperes, Extra Heavy-Duty Hospital Grade, NEMA 5-20, Duplex Receptacle	63.74	11.74
	26 27 26 00-0093	EA		20 Amperes, Extra Heavy-Duty Hospital Grade, NEMA 5-20, Duplex Receptacle, Isolated Ground	74.18	11.74
	26 27 26 00-0094	EA		20 Amperes, Non-Magnetic MRI Hospital Grade, NEMA 5-20, Duplex Receptacle	82.27	11.74
	26 27 26 00-0095	EA		120 Volt, Transient Voltage, Surge Suppressor Receptacle	161.20	35.21
	Note: Hospital grade receptacle.					
26 27 26 00-0096	Weathertight Pin And Sleeve Receptacle (26 27 26 00-0026)					
	26 27 26 00-0097	EA		20 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R4W).....	275.53	58.68
	26 27 26 00-0098	EA		20 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R6W).....	274.87	58.68
	26 27 26 00-0099	EA		20 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R7W).....	287.21	58.68
	26 27 26 00-0100	EA		20 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R12W).....	351.25	64.56
	26 27 26 00-0101	EA		20 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R9W).....	352.28	64.56
	26 27 26 00-0102	EA		20 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R7W).....	349.90	64.56
	26 27 26 00-0103	EA		30 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R4W).....	420.03	72.18
	26 27 26 00-0104	EA		30 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R6W).....	399.97	72.18
	26 27 26 00-0105	EA		30 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R7W).....	431.38	72.18
	26 27 26 00-0106	EA		30 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R12W).....	434.96	79.23
	26 27 26 00-0107	EA		30 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R9W).....	434.56	79.23
	26 27 26 00-0108	EA		30 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R7W).....	437.41	79.23
	26 27 26 00-0109	EA		60 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R4W).....	614.04	93.89
	26 27 26 00-0110	EA		60 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R6W).....	589.75	93.89
	26 27 26 00-0111	EA		60 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R7W).....	605.56	93.89
	26 27 26 00-0112	EA		60 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R12W).....	674.38	104.46
	26 27 26 00-0113	EA		60 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R9W).....	674.85	104.46
	26 27 26 00-0114	EA		60 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R7W).....	675.32	104.46
	26 27 26 00-0115	EA		100 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 3100R6W).....	750.48	117.37
	26 27 26 00-0116	EA		100 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 3100R7W).....	781.62	117.37
	26 27 26 00-0117	EA		100 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R12W).....	840.56	129.10
	26 27 26 00-0118	EA		100 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R9W).....	838.22	129.10
	26 27 26 00-0119	EA		100 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R7W).....	842.62	129.10
26 27 26 00-0120	Corrosion Resistant Receptacle (26 27 26 00-0026)					
	26 27 26 00-0121	EA		15/20 Amperes, 125 Volt Corrosion Resistant, Power Receptacles	73.76	11.74
	26 27 26 00-0122	EA		15/20 Amperes, 250 Volt Corrosion Resistant, Power Receptacles	148.18	14.67
26 27 26 00-0123	Tamper Resistant Receptacle (26 27 26 00-0026)					
	26 27 26 00-0124	EA		15 Amperes, 125 Volt Duplex Tamper Resistant Receptacle	29.50	11.74
	Note: Pass & Seymour 3232-TR.					
	26 27 26 00-0125	EA		20 Amperes, 125 Volt Duplex Tamper Resistant Receptacle	32.60	11.74
	Note: Pass & Seymour TR20.					

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0126	EA		15 Amperes, 125 Volt Single Specification Grade Tamper Resistant Receptacle Note: Pass & Seymour TR5251.	41.51	11.74
26 27 26 00-0127	EA		20 Amperes, 125 Volt Single Specification Grade Tamper Resistant Receptacle Note: Pass & Seymour TR5351.	45.68	11.74
26 27 26 00-0128	EA		15 Amperes, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Tamper Resistant Receptacle..... Note: Pass & Seymour S1595-TR*CC8.	70.77	11.74
26 27 26 00-0129	EA		15 Amperes, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Specification Grade Tamper Resistant Receptacle..... Note: Pass & Seymour 1595-TRS.	76.76	11.74
26 27 26 00-0130	EA		20 Amperes, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Specification Grade Tamper Resistant Receptacle..... Note: Pass & Seymour 2095-TRS.	82.46	11.74
26 27 26 00-0131			USB Charger/Duplex Tamper-Resistant Receptacles (26 27 26 00-0026)		
26 27 26 00-0132	EA		15 Amperes, 125 Volt Duplex USB Charger/Duplex Tamper-Resistant Receptacle.....	72.96	11.74
26 27 26 00-0133	EA		20 Amperes, 125 Volt Duplex USB Charger/Duplex Tamper-Resistant Receptacle.....	79.14	11.74
26 27 26 00-0134			Television Receptacle (26 27 26 00-0001)		
26 27 26 00-0135	EA		TV Receptacle With Cover (Type F), Complete.....	75.62	27.23
26 27 26 00-0136			Switches (26 27 26)		
26 27 26 00-0137			Switches (26 27 26 00-0136)		
26 27 26 00-0138			Switch Assemblies (26 27 26 00-0137) Note: Includes 4" square steel box, bracket, mud ring, switch and cover plate.		
26 27 26 00-0139	EA		1 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly	97.93	41.08
26 27 26 00-0140	EA		1 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly	105.50	44.60
26 27 26 00-0141	EA		2 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly	132.06	53.70
26 27 26 00-0142	EA		2 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly	144.83	59.57
26 27 26 00-0143	EA		3 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly	225.34	92.14
26 27 26 00-0144	EA		3 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly	244.52	100.94
26 27 26 00-0145	EA		4 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly	259.72	104.17
26 27 26 00-0146	EA		4 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly	285.28	115.90
26 27 26 00-0147			Switch Components (26 27 26 00-0137)		
26 27 26 00-0148	EA		15 Amperes, 120/277 Volt, SPST Switch	31.20	11.74
26 27 26 00-0149	EA		15 Amperes, 120/277 Volt, 3-Way Switch	39.51	14.67
26 27 26 00-0150	EA		15 Amperes, 120/277 Volt, 4-Way Switch	76.43	23.47
26 27 26 00-0151	EA		15 Amperes, 120/277 Volt, DPST Switch	35.70	11.74
26 27 26 00-0152	EA		15 Amperes, 120/277 Volt, Thermal Switch.....	67.79	14.67
26 27 26 00-0153	EA		20 Amperes, 120/277 Volt, SPST Switch	37.60	14.67
26 27 26 00-0154	EA		20 Amperes, 120/277 Volt, 3-Way Switch	46.50	17.61
26 27 26 00-0155	EA		20 Amperes, 120/277 Volt, 4-Way Switch	103.18	23.47
26 27 26 00-0156	EA		20 Amperes, 120/277 Volt, DPST Switch	44.81	14.67
26 27 26 00-0157	EA		20 Amperes, 120/277 Volt, DPDT Switch.....	48.01	14.67
26 27 26 00-0158	EA		15 Amperes, 120/277 Volt, Single Pole, Toggle, Three Position, Center Off, Momentary Contact Switch	88.72	14.70
26 27 26 00-0159	EA		15 Amperes, 120/277 Volt, Key Operated, Single Pole, Three Position, Center Off, Momentary Contact Switch	112.34	14.70
26 27 26 00-0160	EA		Momentary Contact Switch With Separate Neon Pilot..... Note: Neon Pilot is 125 V, 1 / 125W.	84.90	17.64
26 27 26 00-0161	EA		20 Amperes, 125 Volt AC, Single Pole, Maintained Contact Switch With Center Off	57.10	20.54
26 27 26 00-0162	EA		Note: Or 250 VAC 10 Amp, double throw BAT handle. 20 Amperes, 125 Volt AC, Double Pole, Maintained Contact Switch.....	70.28	23.47
26 27 26 00-0163	EA		Note: Or 250 VAC 10 Amp, with center off double throw BAT handle. 20 Amperes, 125 Volt AC, Three Pole, Maintained Contact Switch.....	103.25	23.47
26 27 26 00-0164	EA		Note: Or 250 VAC 10 Amp, with center off double throw BAT handle. 30 Amperes, 120/277 Volt, Single Pole, Local Switch	87.98	23.51
26 27 26 00-0165	EA		30 Amperes, 120/277 Volt, Double Pole, Local Switch.....	109.22	23.51
26 27 26 00-0166	EA		30 Amperes, 120/277 Volt, Three-Way Local Switch.....	113.56	29.40
26 27 26 00-0167	EA		30 Amperes, 120/277 Volt, Four-Way Local Switch.....	159.73	32.33
26 27 26 00-0168	EA		15 Amperes, 120/277 Volt, Local Switch With Neon Pilot.....	73.34	19.23
26 27 26 00-0169	EA		15 Amperes, 120/277 Volt, Local Switch With Separate Neon Pilot	105.70	19.23
26 27 26 00-0170	EA		Note: Neon pilot is 125V, 1/25W. Requires 2 gang installation. 15 Amperes, 120 Volt, Clear Toggle, Lighted In On Position, Single Pole, Lighted Toggle Switch	91.75	19.23
26 27 26 00-0171	EA		15 Amperes, 120 Volt, Ivory Toggle, Lighted In Off Position, Lighted Toggle Switch	86.95	19.23
26 27 26 00-0172	EA		6 Amperes, 125 Volt, Door Open-Light On, Automatic Door Switch.....	99.46	9.53
26 27 26 00-0173	EA		6 Amperes, 125 Volt, Door Closed-Light On, Automatic Door Switch.....	105.97	9.53
26 27 26 00-0174	EA		15 Amperes, 120/277 Volt, Three Position, Center Off, Toggle, Single Pole Momentary Contact Switch	110.71	36.69
26 27 26 00-0175	EA		Three Position, Center Off, Key Operated, Momentary Contact Switch	134.33	36.69
26 27 26 00-0176	EA		Note: 15A, 120/277 V, Single Pole Single Pole, Slide Dimmer (Leviton IP710-LFZ)	162.85	11.76
26 27 26 00-0177	EA		8 Amperes, 120/277 Volt, 0 To 10 Volt Dimmer LED Control Switch, White (Lutron DVSTV-WH).....	81.50	11.76
26 27 26 00-0178	EA		120/277 Volt, (8 Amperes Lighting/3 Amperes Fan), Wireless Dimming Switch (Lutron MRF2-8S-DV-WH).....	277.44	11.74
26 27 26 00-0179	EA		120 Volt, Companion Wireless Dimmer Switch (Lutron MA-AS-WH).....	48.27	11.74
26 27 26 00-0180	EA		1200VA 0-10V LED And Fluorescent, Sunrise Electronic Wall Dimmer (Philips SR1200ZTUNV).....	86.87	11.76
26 27 26 00-0181	EA		1 Zone, 2 Button Wireless Scheduling Switch (LG 9SSA2B1T520.ALWB000)	99.70	11.76
26 27 26 00-0182	EA		2 Zone, 4 Button Wireless Scheduling Switch (LG 9SSA2B2T520.ALWB000)	127.70	11.76
26 27 26 00-0183	EA		Wireless Single Rocker Remote Switch (Leviton WSS0S-S9).....	167.78	11.76
26 27 26 00-0184			Specialty Switches (26 27 26 00-0136)		
26 27 26 00-0185			Dimmers With SPST Switch (26 27 26 00-0184)		

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 27 26 00-0186	EA	600 Watt Dimmers With SPST Switch	69.52	26.41
26 27 26 00-0187	EA	1,000 Watt Dimmers With SPST Switch	121.68	26.41
26 27 26 00-0188	EA	1,500 Watt Dimmers With SPST Switch	219.70	42.49
26 27 26 00-0189	EA	2,000 Watt Dimmers With SPST Switch	286.25	42.49
26 27 26 00-0190	EA	600 Watt Fluorescent Dimmer Switch.....	158.56	31.34
26 27 26 00-0191	EA	1,000 Watt Fluorescent Dimmer Switch.....	215.82	31.34
26 27 26 00-0192	EA	1,500 Watt Fluorescent Dimmer Switch.....	391.66	47.30
26 27 26 00-0193	EA	Remote Speed Switch For Paddle Fan.....	115.02	39.09
26 27 26 00-0194	EA	600 Watt Combination Remote Speed Switch/Incandescent Dimmer	190.38	58.33

26 27 26 00-0195 Time Switches (26 27 26 00-0184)

26 27 26 00-0196	EA	40 Amperes, 125 Volt, SPST, Standard Time Switch	130.67	35.21
26 27 26 00-0197	EA	40 Amperes, 277 Volt, SPST, Standard Time Switch	133.68	35.21
26 27 26 00-0198	EA	40 Amperes, 125 Volt, DPST, Standard Time Switch	130.67	35.21
26 27 26 00-0199	EA	40 Amperes, 277 Volt, DPST, Standard Time Switch	133.68	35.21
26 27 26 00-0200	EA	40 Amperes, 125 Volt, SPST, 7-Day Time Switch	150.75	35.21
26 27 26 00-0201	EA	40 Amperes, 277 Volt, SPST, 7-Day Time Switch	150.75	35.21
26 27 26 00-0202	EA	40 Amperes, 125 Volt, DPDT, 7-Day Time Switch	269.23	35.21
26 27 26 00-0203	EA	40 Amperes, 277 Volt, DPDT, 7-Day Time Switch	269.23	35.21
26 27 26 00-0204	EA	20 Amperes, 125 Volt, SPST, Programmable Time Switch	231.22	35.21
26 27 26 00-0205	EA	20 Amperes, 277 Volt, SPST, Programmable Time Switch	254.43	35.21
26 27 26 00-0206	EA	20 Amperes, 277 Volt, SPST, Weatherproof Programmable Time Switch.....	254.43	35.21
26 27 26 00-0207	EA	40 Amperes, 125 Volt, 4PST, Astro Dial Time Switch	309.30	35.21
26 27 26 00-0208	EA	40 Amperes, 277 Volt, 4PST, Astro Dial Time Switch	318.53	35.21
26 27 26 00-0209	EA	40 Amperes, 125 Volt, SPST, Weatherproof Standard Time Switch	130.67	35.21
26 27 26 00-0210	EA	40 Amperes, 277 Volt, SPST, Weatherproof Standard Time Switch	133.68	35.21
26 27 26 00-0211	EA	40 Amperes, 125 Volt, DPST, Weatherproof Standard Time Switch	130.67	35.21
26 27 26 00-0212	EA	40 Amperes, 277 Volt, DPST, Weatherproof Standard Time Switch	133.68	35.21
26 27 26 00-0213	EA	40 Amperes, 125 Volt, SPST, Weatherproof 7-Day Time Switch	150.75	35.21
26 27 26 00-0214	EA	40 Amperes, 277 Volt, SPST, Weatherproof 7-Day Time Switch	150.75	35.21
26 27 26 00-0215	EA	40 Amperes, 125 Volt, DPDT, Weatherproof 7-Day Time Switch	269.23	35.21
26 27 26 00-0216	EA	40 Amperes, 277 Volt, DPDT, Weatherproof 7-Day Time Switch	269.23	35.21
26 27 26 00-0217	EA	40 Amperes, 125 Volt, 4PST, Weatherproof Astro Dial Time Switch.....	309.30	35.21
26 27 26 00-0218	EA	40 Amperes, 277 Volt, 4PST, Weatherproof Astro Dial Time Switch.....	318.53	35.21
26 27 26 00-0219	EA	30 Amperes, SPST, 120 Volt, 7-Day Time Switch EZ Controls #EZ-701-1	283.71	35.21
26 27 26 00-0220	EA	30 Amperes, DPST, 120 Volt, 7-Day Time Switch EZ Controls #EZ-701-2	317.08	35.21

26 27 26 00-0221 Low Voltage Switching (26 27 26 00-0184)

26 27 26 00-0222	EA	36 Pin Male Or Female Connector	218.24	11.74
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26 27 26 00-0223 Other Switches (26 27 26 00-0184)

26 27 26 00-0224	EA	Pull Chain Switch 120/277 Volt AC Installed In Light Fixture	38.95	17.61
26 27 26 00-0225	EA	SPST Locking Switch For Concealed Devices	119.78	46.95
26 27 26 00-0226	EA	3-Way Locking Switch For Concealed Devices	121.40	46.95
26 27 26 00-0227	EA	Emergency Off Switch, With 1 Non-Closing Contact, Circular, Red, With Guard	133.69	43.90
26 27 26 00-0228	EA	15 Amperes Momentary Contact Switch.....	127.11	43.90
26 27 26 00-0229	EA	20 Amperes Momentary Contact Switch.....	134.04	43.90
26 27 26 00-0230	EA	2-1/4" Handy Box Cover Units Fuseholder Switch.....	125.13	52.91
26 27 26 00-0231	EA	2-3/4" Handy Box Cover Units Fuseholder Switch.....	127.06	52.91
26 27 26 00-0232	EA	4" Square Box Cover Units With 2 Fuseholders And 2 Switches	156.37	64.67
26 27 26 00-0233	EA	4" Square Box Cover Units With 1 Fuseholder And 1 Switch	142.21	58.78
26 27 26 00-0234	EA	4" Octagon Box Cover Units With 1 Fuseholder And 1 Switch	142.69	58.78

26 27 26 00-0235 Plates And Covers (26 27 26)**26 27 26 00-0236 Wall Plates** (26 27 26 00-0235)**26 27 26 00-0237 Nylon Wall Plates** (26 27 26 00-0236)

26 27 26 00-0238	EA	1 Gang Nylon Switch Wall Plates	1.94	0.59
26 27 26 00-0239	EA	2 Gang Nylon Switch Wall Plates	3.32	0.88
26 27 26 00-0240	EA	3 Gang Nylon Switch Wall Plates	4.73	1.17
26 27 26 00-0241	EA	4 Gang Nylon Switch Wall Plate	6.87	1.47
26 27 26 00-0242	EA	1 Gang Duplex Nylon Wall Plate.....	1.96	0.59
26 27 26 00-0243	EA	2 Gang Duplex Nylon Wall Plate.....	3.41	0.88

26 27 26 00-0244 Plastic Wall Plates (26 27 26 00-0236)

26 27 26 00-0245	EA	1 Gang Plastic Switch Wall Plates	1.79	0.59
26 27 26 00-0246	EA	2 Gang Plastic Switch Wall Plates	3.01	0.88
26 27 26 00-0247	EA	3 Gang Plastic Switch Wall Plates	4.23	1.17
26 27 26 00-0248	EA	4 Gang Plastic Switch Wall Plates	6.87	1.47
26 27 26 00-0249	EA	1 Gang Duplex Plastic Wall Plate	1.79	0.59
26 27 26 00-0250	EA	2 Gang Duplex Plastic Wall Plate	3.02	0.88

26 27 26 00-0251 Brass Wall Plates (26 27 26 00-0236)

26 27 26 00-0252	EA	1 Gang, 0.04" Brass Switch Wall Plates	19.86	2.64
26 27 26 00-0253	EA	2 Gang, 0.04" Brass Switch Wall Plates	37.73	3.05
26 27 26 00-0254	EA	3 Gang, 0.04" Brass Switch Wall Plates	55.49	3.41
26 27 26 00-0255	EA	4 Gang, 0.04" Brass Switch Wall Plates	86.76	3.70
26 27 26 00-0256	EA	5 Gang, 0.04" Brass Switch Wall Plates	105.83	3.94

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0257	EA	6 Gang, 0.04" Brass Switch Wall Plates	122.61	4.12
26 27 26 00-0258	EA	1 Gang, 0.04" Brass Duplex Receptacle Wall Plate	19.86	2.64
26 27 26 00-0259	EA	2 Gang, 0.04" Brass Duplex Receptacle Wall Plate	44.36	3.05
26 27 26 00-0260	EA	3 Gang 0.04" Brass Duplex Receptacle Wall Plate	64.23	3.41
26 27 26 00-0261 Stainless Steel Wall Plates (26 27 26 00-0236)				
26 27 26 00-0262	EA	1 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates	10.28	2.64
26 27 26 00-0263	EA	2 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates	16.80	3.05
26 27 26 00-0264	EA	3 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates	23.71	3.41
26 27 26 00-0265	EA	4 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates	35.15	3.70
26 27 26 00-0266	EA	5 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates	41.51	3.94
26 27 26 00-0267	EA	6 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates	50.39	4.12
26 27 26 00-0268	EA	1 Gang, 302 Stainless Steel With Satin Finish Duplex Receptacle Wall Plate	11.33	2.64
26 27 26 00-0269	EA	2 Gang, 302 Stainless Steel With Satin Finish Duplex Receptacle Wall Plate	19.28	3.05
26 27 26 00-0270	EA	3 Gang, 302 Stainless Steel With Satin Finish Duplex Receptacle Wall Plate	31.93	3.41
26 27 26 00-0271	EA	4 Gang, 302 Stainless Steel With Satin Finish Duplex Receptacle Wall Plate	38.72	3.70
26 27 26 00-0272 Chrome Wall Plates (26 27 26 00-0236)				
26 27 26 00-0273	EA	1 Gang, 0.040" Chrome Switch Wall Plate	40.47	2.64
26 27 26 00-0274	EA	2 Gang 0.040" Chrome Switch Wall Plate	76.35	3.05
26 27 26 00-0275	EA	3 Gang 0.040" Chrome Switch Wall Plate	112.21	3.41
26 27 26 00-0276	EA	1 Gang 0.040" Chrome Duplex Receptacle Wall Plate	40.44	2.64
26 27 26 00-0277 Weatherproof Covers (26 27 26 00-0235)				
26 27 26 00-0278 Stamped Metallic Weatherproof Covers (26 27 26 00-0277)				
Note: Includes electrostatically applied powder coating and neoprene gasket.				
26 27 26 00-0279	EA	Blank Cover, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FBC)	13.01	0.59
26 27 26 00-0280	EA	Duplex Receptacle, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FAC)	14.11	0.59
26 27 26 00-0281	EA	Single Receptacle, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FRC)	14.11	0.59
26 27 26 00-0282	EA	Toggle Switch, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FTC)	14.11	0.59
26 27 26 00-0283	EA	Blank Cover, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FBC)	17.28	0.88
26 27 26 00-0284	EA	Duplex Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FAC)	19.64	0.88
26 27 26 00-0285	EA	Single Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FRC)	19.88	0.88
26 27 26 00-0286	EA	Toggle Switch, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FTC)	19.88	0.88
26 27 26 00-0287	EA	Toggle Switch And Duplex Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FTAC)	27.10	0.88
26 27 26 00-0288	EA	Blank Cover, Three Gang, Stamped Metallic Weatherproof Cover (Killark® 3FB)	25.59	1.17
26 27 26 00-0289	EA	Toggle Switch, Three Gang, Stamped Metallic Weatherproof Cover (Killark® 3FT)	28.00	1.17
26 27 26 00-0290 Cast Metallic Weatherproof Covers (26 27 26 00-0277)				
Note: Includes electrostatically applied powder coating and neoprene gasket.				
26 27 26 00-0291	EA	Blank Cover, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSBC)	15.96	0.59
26 27 26 00-0292	EA	Duplex Receptacle, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLA)	51.26	0.59
26 27 26 00-0293	EA	Single Receptacle, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLR)	57.50	0.59
26 27 26 00-0294	EA	Guarded Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSTG)	15.84	0.59
26 27 26 00-0295	EA	Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLT)	43.43	0.59
26 27 26 00-0296	EA	Lever Operated Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSPT)	72.34	0.59
26 27 26 00-0297	EA	Plunger Operated Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FST)	92.13	0.59
26 27 26 00-0298	EA	Blank Cover, Two Gang, Cast Metallic Weatherproof Cover (Killark® 2FSBC)	19.88	0.88
26 27 26 00-0299	EA	Plunger Operated Toggle Switch, Two Gang, Cast Metallic Weatherproof Cover (Killark® 2FST)	145.56	0.88
26 27 26 00-0300	EA	Blank Cover, Three Gang, Cast Metallic Weatherproof Cover (Killark® 3FSBC)	33.33	1.17
26 27 26 00-0301	EA	Plunger Operated Toggle Switch, Three Gang, Cast Metallic Weatherproof Cover (Killark® 3FST)	138.98	1.17
26 27 26 00-0302 Die Cast Aluminum Weatherproof Covers (26 27 26 00-0277)				
Note: Includes electrostatically applied powder coating and neoprene gasket.				
26 27 26 00-0303	EA	Duplex Receptacle, Single Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5027)	5.49	0.59
26 27 26 00-0304	EA	Single Receptacle, Single Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5026)	7.08	0.59
26 27 26 00-0305	EA	Duplex Receptacles, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5032)	9.50	0.88
26 27 26 00-0306	EA	Toggle Switch, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5041)	10.32	0.88
26 27 26 00-0307	EA	Toggle Switch And Duplex Receptacle, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5042)	10.32	0.88
26 27 26 00-0308	EA	Toggle Switch And Single Receptacle, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5043)	11.50	0.88
26 27 26 00-0309 Heavy-Duty Die Cast Aluminum Weatherproof Covers (26 27 26 00-0277)				
Note: Includes baked on lacquer finish and neoprene gasket.				
26 27 26 00-0310	EA	Duplex Receptacle, Single Gang, Heavy-Duty Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Pass & Seymour Legrand® 4510)	57.00	0.59
26 27 26 00-0311 Polycarbonate Weatherproof Covers (26 27 26 00-0277)				
Note: Includes neoprene gasket.				
26 27 26 00-0312	EA	Toggle Switch, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730)	11.41	0.59
26 27 26 00-0313	EA	Duplex Receptacle, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730)	11.41	0.59
26 27 26 00-0314	EA	Single Receptacle, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730)	11.41	0.59
26 27 26 00-0315	EA	Duplex Receptacle, Two Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5775)	14.09	0.88
26 27 26 00-0316	EA	Toggle Switch And Single Receptacle, Two Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5775)	14.09	0.88

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 27 26 00-0317	High Impact Thermoplastic Weatherproof Covers (26 27 26 00-0277)			
	Note: Includes neoprene gasket.			
26 27 26 00-0318	EA	Duplex Receptacle, Single Gang, High Impact Thermoplastic Weatherproof Cover With Self Closing Lid (Hubbell® HBL522)	94.78	0.59
26 27 26 00-0319	Non-Metallic (PVC) Weatherproof Covers (26 27 26 00-0277)			
	Note: Includes neoprene gasket.			
26 27 26 00-0320	EA	Blank Cover, Single Gang, Non-Metallic (PVC) Weatherproof Cover	13.05	0.59
26 27 26 00-0321	EA	Blank Cover, Two Gang, Non-Metallic (PVC) Weatherproof Cover	14.00	0.88
26 27 26 00-0322	EA	Toggle Switch, Single Gang, Non-Metallic (PVC) Weatherproof Cover	13.09	0.59
26 27 26 00-0323	EA	Switch, Single Gang, Non-Metallic (PVC) Weatherproof Cover	28.93	0.59
26 27 26 00-0324	EA	Duplex Receptacle, Single Gang, Non-Metallic (PVC) Weatherproof Cover	33.55	0.59
26 27 26 00-0325	EA	20 Amperes, Receptacle, Single Gang, Non-Metallic (PVC) Weatherproof Cover	27.18	0.59
26 27 26 00-0326	EA	30 Amperes, Receptacle, Single Gang, Non-Metallic (PVC) Weatherproof Cover	20.24	0.59
26 27 26 00-0327	EA	50 Amperes, Receptacle, Single Gang, Non-Metallic (PVC) Weatherproof Cover	23.70	0.59
26 27 26 00-0328	EA	Plunger Switch, Single Gang, Non-Metallic (PVC) Weatherproof Cover	21.18	0.59
26 27 26 00-0329	EA	Double Duplex Receptacle, Two Gang, Non-Metallic (PVC) Weatherproof Cover	30.50	0.88
26 27 26 00-0330	Removal And Reinstallation Of Wiring Devices (26 27 26)			
	Note: Includes storage and cleaning.			
26 27 26 00-0331	EA	Removal And Reinstallation Of Receptacle, Switch, Outlet Or Special System Device	77.22	
26 27 26 00-0332	EA	Removal And Reinstallation Of Receptacle Or Switch Outlet Cover Plate	9.78	
26 27 26 00-0333	Relay Systems (26 27 26)			
26 27 26 00-0334	EA	10 Amperes, 24 Volt Coil, 2 Position Relay	92.35	26.41
26 27 26 00-0335	EA	20 Amperes, 120 Volt Coil, Up To 4 Contacts, Industrial Control Relay	403.63	88.03
26 27 26 00-0336	EA	20 Amperes, 120 Volt Coil, 12 Contacts, Industrial Control Relay	690.24	117.37
26 27 26 00-0337	Limit Switches (26 27 26)			
26 27 26 00-0338	Heavy-Duty Precision Oiltight (26 27 26 00-0337)			
26 27 26 00-0339	Lever Arm, Plunger, Wobble Stick Type (26 27 26 00-0338)			
26 27 26 00-0340	EA	Limit Switch, Heavy-Duty, Lever Arm Weatherproof, 10 Amperes Rated	412.97	73.95
26 27 26 00-0341	In Line Midget Fuseholders (26 27 26)			
	See CSI section 26 28 13 00-0078 for fuses.			
26 27 26 00-0342	EA	Single Pole Water Resistant In Line Midget Fuseholder	89.55	
26 27 26 00-0343	EA	Double Pole Water Resistant In Line Midget Fuseholder	214.23	
26 27 33	Power Distribution Units (26 27)			
	Note: Includes wiring connections and testing.			
26 27 33 00-0001	Liebert Precision Power Center (26 27 33)			
	Note: With K20 Trans Spike Suppression Modules Lighting/ Surge Arrestors. Includes start-up.			
26 27 33 00-0002	EA	PDU 15 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC015C)	21,895.23	360.92
26 27 33 00-0003	EA	PDU 30 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC030C)	26,449.05	391.20
26 27 33 00-0004	EA	PDU 50 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC050C)	30,145.85	434.28
26 27 33 00-0005	EA	PDU 75 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC075C)	34,693.15	469.49
26 27 33 00-0006	EA	PDU 100 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC100C)	37,837.74	586.86
26 27 33 00-0007	EA	PDU 125 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC125C)	42,437.26	704.24
26 27 33 00-0008	EA	PDU 150 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC150C)	48,962.39	821.61
26 27 33 00-0009	EA	PDU 200 KVA, 480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC200C)	51,465.11	938.97
26 27 33 00-0010	EA	PDU 225 KVA, 480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC225C)	54,352.94	1,056.35
26 27 33 00-0011	EA	Ex Panelboard 10-30 KVA	1,920.75	117.37
26 27 33 00-0012	EA	Ex Panelboard 50-125 KVA	2,878.06	146.71
26 27 33 00-0013	EA	Ex Panelboard 150-220 KVA	6,531.25	176.06
26 27 33 00-0014	EA	Removal And Reinstallation Of Power Distribution Unit	1,877.96	
	Note: Includes disconnection / reconnection of branch circuits, storage and cleaning.			
26 27 33 00-0015	EA	Start-Up Liebert Power Distribution Unit Line Item Applies To A Relocation Only	1,408.47	
26 27 73	Door Chimes (26 27)			
26 27 73 00-0001	Door Bell Chime And Door Button With Built-In Viewer (26 27 73)			
	Note: Non-electric chime, mounted on door			
26 27 73 00-0002	EA	Mechanical Door Bell Chime And Door Button With Built-In Viewer (Newhouse Hardware MCHBV)	89.39	19.26
26 27 73 00-0003	Wireless Door Bell System (26 27 73)			
26 27 73 00-0004	EA	Wireless Doorbell Chime And Push Button (Broan LA542WH)	141.49	
	Note: Includes 2 push buttons			
26 27 73 00-0005	EA	Wireless Doorbell Chime And Push Button (STI-3350G)	132.94	
	Note: Includes 2 push buttons			
26 27 73 00-0006	EA	Wireless Doorbell Chime And Push Button (GE 19300)	98.00	
	Note: Includes 2 push buttons			
26 27 73 00-0007	Door Bell Buzzer System, Wired (26 27 73)			
26 27 73 00-0008	EA	Door Bell, Push-Button And Transformer, Complete	651.81	244.49

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 27 73 00-0009	EA	Visual Flashing Doorbell Indicator, Wire To Existing System, Complete	270.18	58.68
26 27 73 00-0010	EA	Removal And Replacement Of Bell/Buzzer, Complete	108.88	29.35
Note: Includes removal of existing.				

26 28 Low-Voltage Circuit Protective Devices (26 20)

26 28 13 Fuses (26 28)

26 28 13 00-0001 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuses (26 28 13)

26 28 13 00-0002	EA	1 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	29.02	8.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.63	
26 28 13 00-0003	EA	2 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	28.21	8.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.63	
26 28 13 00-0004	EA	3 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	27.10	8.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.63	
26 28 13 00-0005	EA	5 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	26.94	8.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.63	
26 28 13 00-0006	EA	6 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	27.98	8.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.63	
26 28 13 00-0007	EA	8 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	25.95	8.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.63	
26 28 13 00-0008	EA	10 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	25.47	8.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.63	
26 28 13 00-0009	EA	15 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	21.52	8.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.63	
26 28 13 00-0010	EA	20 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	20.93	8.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.63	
26 28 13 00-0011	EA	25 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	22.07	8.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.63	
26 28 13 00-0012	EA	30 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	21.27	8.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.63	

26 28 13 00-0013 Class RK1, Time Delay Fuses (26 28 13)

26 28 13 00-0014 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuses (26 28 13 00-0013)

26 28 13 00-0015	EA	1 Ampere, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	48.45	8.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.63	
26 28 13 00-0016	EA	2 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	44.87	8.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.63	
26 28 13 00-0017	EA	3 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	47.36	8.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.63	
26 28 13 00-0018	EA	4 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	47.04	8.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.63	
26 28 13 00-0019	EA	5 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	44.55	8.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.63	
26 28 13 00-0020	EA	10 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	43.06	8.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.63	
26 28 13 00-0021	EA	15 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	39.10	8.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.63	
26 28 13 00-0022	EA	20 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	38.80	8.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.63	
26 28 13 00-0023	EA	25 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	39.13	8.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.63	
26 28 13 00-0024	EA	30 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	38.72	8.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.63	
26 28 13 00-0025	EA	35 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	55.55	8.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.63	
26 28 13 00-0026	EA	40 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	54.35	8.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.63	
26 28 13 00-0027	EA	45 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	55.25	8.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.63	
26 28 13 00-0028	EA	50 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	54.52	8.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.63	
26 28 13 00-0029	EA	60 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	53.43	8.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.63	

26 28 13 00-0030 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuses (26 28 13 00-0013)

26 28 13 00-0031	EA	70 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	102.80	10.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.04	
26 28 13 00-0032	EA	80 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	102.21	10.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.04	
26 28 13 00-0033	EA	90 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	114.29	10.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.04	
26 28 13 00-0034	EA	100 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	101.26	10.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.04	
26 28 13 00-0035	EA	110 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	300.13	10.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.04	
26 28 13 00-0036	EA	125 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	217.79	10.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.04	
26 28 13 00-0037	EA	150 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	198.90	11.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.75	
26 28 13 00-0038	EA	200 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	209.87	11.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.75	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 28 13 00-0039	EA	250 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	399.34	11.62
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.75	
26 28 13 00-0040	EA	300 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	428.59	14.32
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.51	
26 28 13 00-0041	EA	350 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	461.40	14.32
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.51	
26 28 13 00-0042	EA	400 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	353.76	14.32
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.51	
26 28 13 00-0043	EA	450 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	797.83	14.32
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.51	
26 28 13 00-0044	EA	500 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	752.77	17.49
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.62	
26 28 13 00-0045	EA	600 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	584.95	17.49
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.62	

26 28 13 00-0046 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuses ^(26 28 13 00-0013)

26 28 13 00-0047	EA	1 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	77.87	8.45
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.63	
26 28 13 00-0048	EA	2 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	72.18	8.45
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.63	
26 28 13 00-0049	EA	3 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	67.41	8.45
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.63	
26 28 13 00-0050	EA	4 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	68.99	8.45
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.63	
26 28 13 00-0051	EA	5 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	67.63	8.45
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.63	
26 28 13 00-0052	EA	10 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	68.12	8.45
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.63	
26 28 13 00-0053	EA	15 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	62.92	8.45
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.63	
26 28 13 00-0054	EA	20 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	62.40	8.45
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.63	
26 28 13 00-0055	EA	25 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	61.70	8.45
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.63	
26 28 13 00-0056	EA	30 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	62.73	8.45
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.63	
26 28 13 00-0057	EA	35 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	93.59	8.45
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.63	
26 28 13 00-0058	EA	40 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	93.83	8.45
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.63	
26 28 13 00-0059	EA	45 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	91.88	8.45
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.63	
26 28 13 00-0060	EA	50 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	92.80	8.45
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.63	
26 28 13 00-0061	EA	60 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	93.61	8.45
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.63	

26 28 13 00-0062 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuses ^(26 28 13 00-0013)

26 28 13 00-0063	EA	70 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	178.96	10.56
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.04	
26 28 13 00-0064	EA	80 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	182.86	11.62
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.75	
26 28 13 00-0065	EA	90 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	181.83	11.62
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.75	
26 28 13 00-0066	EA	100 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	182.64	11.62
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.75	
26 28 13 00-0067	EA	110 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	340.73	11.62
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.75	
26 28 13 00-0068	EA	125 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	345.99	11.62
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.75	
26 28 13 00-0069	EA	150 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	339.86	14.32
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.51	
26 28 13 00-0070	EA	200 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	338.99	14.32
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.51	
26 28 13 00-0071	EA	250 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	654.07	14.32
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.51	
26 28 13 00-0072	EA	300 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	656.23	17.49
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.62	
26 28 13 00-0073	EA	350 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	741.33	17.49
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.62	
26 28 13 00-0074	EA	400 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	670.70	17.49
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.62	
26 28 13 00-0075	EA	450 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	1,212.96	17.49
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.62	
26 28 13 00-0076	EA	500 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	1,077.23	21.13
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.09	
26 28 13 00-0077	EA	600 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	937.94	21.13
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.09	

26 28 13 00-0078 600 Volt AC, Class CC Midget Fuses ^(26 28 13)

Note: 250/300 Volt DC.

26 28 13 00-0079	EA	1 Amperes, 600 Volt AC, Class CC Midget Fuse.....	56.58	8.45
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.63	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0080	EA	2 Amperes, 600 Volt AC, Class CC Midget Fuse.....	57.52	8.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.63	
26 28 13 00-0081	EA	3 Amperes, 600 Volt AC, Class CC Midget Fuse.....	57.25	8.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.63	
26 28 13 00-0082	EA	5 Amperes, 600 Volt AC, Class CC Midget Fuse.....	56.96	8.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.63	
26 28 13 00-0083	EA	6 Amperes, 600 Volt AC, Class CC Midget Fuse.....	61.43	8.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.63	
26 28 13 00-0084	EA	8 Amperes, 600 Volt AC, Class CC Midget Fuse.....	54.27	8.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.63	
26 28 13 00-0085	EA	10 Amperes, 600 Volt AC, Class CC Midget Fuse.....	62.67	8.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.63	
26 28 13 00-0086	EA	15 Amperes, 600 Volt AC, Class CC Midget Fuse.....	56.98	8.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.63	
26 28 13 00-0087	EA	20 Amperes, 600 Volt AC, Class CC Midget Fuse.....	55.82	8.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.63	
26 28 13 00-0088	EA	25 Amperes, 600 Volt AC, Class CC Midget Fuse.....	53.14	8.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.63	
26 28 13 00-0089	EA	30 Amperes, 600 Volt AC, Class CC Midget Fuse.....	55.41	8.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.63	
26 28 13 00-0090		200,000 Ampere Interrupting Capacity, 600 Volt AC, Class J Bolted Fuse (26 28 13)		
26 28 13 00-0091	EA	1 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	76.58	5.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.52	
26 28 13 00-0092	EA	3 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	77.20	5.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.52	
26 28 13 00-0093	EA	6 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	65.42	7.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.22	
26 28 13 00-0094	EA	10 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	63.97	8.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.28	
26 28 13 00-0095	EA	15 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	65.46	8.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.28	
26 28 13 00-0096	EA	20 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	64.13	8.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.28	
26 28 13 00-0097	EA	25 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	81.37	11.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.04	
26 28 13 00-0098	EA	30 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	66.50	11.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.04	
26 28 13 00-0099	EA	35 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	122.01	11.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.04	
26 28 13 00-0100	EA	40 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	102.88	11.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.04	
26 28 13 00-0101	EA	45 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	119.08	11.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.04	
26 28 13 00-0102	EA	50 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	102.96	14.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.81	
26 28 13 00-0103	EA	60 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	100.91	14.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.81	
26 28 13 00-0104	EA	70 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	160.03	17.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.56	
26 28 13 00-0105	EA	80 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	171.38	17.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.56	
26 28 13 00-0106	EA	90 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	168.49	17.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.56	
26 28 13 00-0107	EA	100 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	144.25	20.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.32	
26 28 13 00-0108	EA	110 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	355.99	20.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.32	
26 28 13 00-0109	EA	125 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	300.51	20.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.32	
26 28 13 00-0110	EA	150 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	283.98	23.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.09	
26 28 13 00-0111	EA	175 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	288.39	23.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.09	
26 28 13 00-0112	EA	200 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	236.78	23.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.09	
26 28 13 00-0113	EA	225 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	622.79	23.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.09	
26 28 13 00-0114	EA	250 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	574.62	23.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.09	
26 28 13 00-0115	EA	300 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	528.26	23.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.09	
26 28 13 00-0116	EA	350 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	577.60	23.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.09	
26 28 13 00-0117	EA	400 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	472.18	26.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.85	
26 28 13 00-0118	EA	450 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	1,022.65	26.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.85	
26 28 13 00-0119	EA	500 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	863.41	29.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.61	
26 28 13 00-0120	EA	600 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	637.26	29.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.61	
26 28 13 00-0121		600 Volt AC, 200 kAmp I.R., Class L Bolted Fuses (26 28 13)		
26 28 13 00-0122	EA	100 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,980.39	14.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.81	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 28 13 00-0123	EA	150 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,984.32	14.67
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.81	
26 28 13 00-0124	EA	200 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,987.98	14.67
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.81	
26 28 13 00-0125	EA	250 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,979.77	17.61
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.56	
26 28 13 00-0126	EA	300 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,822.49	17.61
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.56	
26 28 13 00-0127	EA	350 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,949.07	20.54
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.32	
26 28 13 00-0128	EA	400 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,792.92	20.54
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.32	
26 28 13 00-0129	EA	450 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	2,006.75	20.54
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.32	
26 28 13 00-0130	EA	500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,967.36	20.54
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.32	
26 28 13 00-0131	EA	600 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,746.75	23.47
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.09	
26 28 13 00-0132	EA	601 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,794.13	23.47
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.09	
26 28 13 00-0133	EA	650 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	2,389.77	23.47
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.09	
26 28 13 00-0134	EA	700 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,738.16	23.47
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.09	
26 28 13 00-0135	EA	750 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	2,674.60	26.41
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.85	
26 28 13 00-0136	EA	800 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,534.13	26.41
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.85	
26 28 13 00-0137	EA	900 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	2,247.22	26.41
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.85	
26 28 13 00-0138	EA	1,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,508.07	26.41
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.85	
26 28 13 00-0139	EA	1,200 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,553.39	26.41
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.85	
26 28 13 00-0140	EA	1,350 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	3,471.65	26.41
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.85	
26 28 13 00-0141	EA	1,400 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	3,422.66	26.41
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.85	
26 28 13 00-0142	EA	1,500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	3,086.56	26.41
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.85	
26 28 13 00-0143	EA	1,600 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,921.12	29.35
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.60	
26 28 13 00-0144	EA	1,800 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	4,090.02	29.35
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.60	
26 28 13 00-0145	EA	2,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	2,612.45	29.35
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.60	
26 28 13 00-0146	EA	2,500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	3,537.44	29.35
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.60	
26 28 13 00-0147	EA	2,501 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	6,037.76	29.35
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.60	
26 28 13 00-0148	EA	3,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	3,943.74	32.27
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.37	
26 28 13 00-0149	EA	3,500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	8,174.82	32.27
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.37	
26 28 13 00-0150	EA	3,800 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	9,488.50	32.27
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.37	
26 28 13 00-0151	EA	4,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	5,479.05	32.27
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.37	
26 28 13 00-0152	EA	5,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	8,657.18	32.27
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.37	
26 28 13 00-0153	EA	6,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	14,342.83	32.27
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.37	

26 28 16 Enclosed Switches and Circuit Breakers (26 28)**26 28 16 13 Enclosed Circuit Breakers (26 28 16)****26 28 16 13-0001 Branch Circuit Breakers (26 28 16 13)**

Note: For installation in existing and new panelboards. Use task modifier for installation in new panelboards.

26 28 16 13-0002 Branch Circuit Breakers 10,000 Amperes Interrupting Capacity, Plug-On (26 28

16 13-0001)

Note: Includes connection of electrical wire.

26 28 16 13-0003	EA	1 Pole, 120/240 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	57.54	21.13
		<i>For Bolt-On, Add</i>	15.41	
		<i>For Installation In New Panelboard, Deduct</i>	-11.74	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.09	
26 28 16 13-0004	EA	1 Pole, 120/240 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	57.54	21.13
		<i>For Bolt-On, Add</i>	15.41	
		<i>For Installation In New Panelboard, Deduct</i>	-11.74	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.09	
26 28 16 13-0005	EA	1 Pole, 120/240 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	83.12	26.41
		<i>For Bolt-On, Add</i>	20.66	
		<i>For Installation In New Panelboard, Deduct</i>	-14.67	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.60	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0006	EA	1 Pole GFI, 15 To 30 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	125.13	26.41
		For Bolt-On, Add	25.91	
		For Installation In New Panelboard, Deduct	-14.67	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.60	
26 28 16 13-0007	EA	1 Pole GFI, 35 To 60 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Protection Circuit Breaker, 10,000 Amperes Interrupting Capacity	173.16	26.41
		For Bolt-On, Add	31.91	
		For Installation In New Panelboard, Deduct	-14.67	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.60	
26 28 16 13-0008	EA	1 Pole GFI, 15 To 30 Amperes, 120/240 Volt, UL Listed 30mA Equipment Protection Circuit Breaker, 10,000 Amperes Interrupting Capacity	200.55	26.41
		For Bolt-On, Add	35.34	
		For Installation In New Panelboard, Deduct	-14.67	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.60	
26 28 16 13-0009	EA	1 Pole GFI, 15 To 20 Amperes, 120/240 Volt, "Arc Fault" Circuit Breaker, 10,000 Amperes Interrupting Capacity	98.66	26.41
		For Bolt-On, Add	22.60	
		For Installation In New Panelboard, Deduct	-14.67	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.60	
26 28 16 13-0010	EA	2 Pole, 15 To 30 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	94.86	31.69
		For Bolt-On, Add	24.18	
		For Installation In New Panelboard, Deduct	-17.61	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.13	
26 28 16 13-0011	EA	2 Pole, 35 To 60 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	94.86	31.69
		For Bolt-On, Add	24.18	
		For Installation In New Panelboard, Deduct	-17.61	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.13	
26 28 16 13-0012	EA	2 Pole, 70 To 100 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	142.76	42.26
		For Bolt-On, Add	34.28	
		For Installation In New Panelboard, Deduct	-23.47	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.17	
26 28 16 13-0013	EA	2 Pole, 110 To 125 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	235.49	52.82
		For Bolt-On, Add	49.98	
		For Installation In New Panelboard, Deduct	-29.34	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.21	
26 28 16 13-0014	EA	2 Pole, 150 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	277.36	58.68
		For Bolt-On, Add	57.26	
		For Installation In New Panelboard, Deduct	-32.28	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.73	
26 28 16 13-0015	EA	2 Pole GFI, 15 To 50 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	234.57	37.56
		For Bolt-On, Add	44.11	
		For Installation In New Panelboard, Deduct	-21.13	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.35	
26 28 16 13-0016	EA	2 Pole GFI, 15 To 50 Amperes, 120/240 Volt, UL Listed 30mA Equipment Protection Circuit Breaker, 10,000 Amperes Interrupting Capacity	313.14	37.56
		For Bolt-On, Add	53.93	
		For Installation In New Panelboard, Deduct	-21.13	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.35	
26 28 16 13-0017	EA	3 Pole, 15 To 30 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	179.42	42.26
		For Bolt-On, Add	38.86	
		For Installation In New Panelboard, Deduct	-23.47	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.17	
26 28 16 13-0018	EA	3 Pole, 35 To 60 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	179.42	42.26
		For Bolt-On, Add	38.86	
		For Installation In New Panelboard, Deduct	-23.47	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.17	
26 28 16 13-0019	EA	3 Pole, 70 To 100 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	235.03	52.82
		For Bolt-On, Add	49.92	
		For Installation In New Panelboard, Deduct	-29.34	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.21	
26 28 16 13-0020	EA	3 Pole, 110 To 125 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	354.60	63.38
		For Bolt-On, Add	68.97	
		For Installation In New Panelboard, Deduct	-35.21	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	42.26	
26 28 16 13-0021	EA	3 Pole, 150 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	452.01	73.95
		For Bolt-On, Add	85.26	
		For Installation In New Panelboard, Deduct	-41.08	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	49.30	

26 28 16 13-0022 Branch Circuit Breakers 14,000 Amperes Interrupting Capacity, Plug-On ^(26 28 16 13-0001)
Note: Includes connection of electrical wire.

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 28 16 13-0023	EA	1 Pole, 277/480 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	82.43	21.13
		For Bolt-On, Add	18.52	
		For Installation In New Panelboard, Deduct	-11.74	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.09	
26 28 16 13-0024	EA	1 Pole, 277/480 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	82.43	21.13
		For Bolt-On, Add	18.52	
		For Installation In New Panelboard, Deduct	-11.74	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.09	
26 28 16 13-0025	EA	1 Pole, 277/480 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	146.74	26.41
		For Bolt-On, Add	28.61	
		For Installation In New Panelboard, Deduct	-14.67	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.60	
26 28 16 13-0026	EA	1 Pole GFI, 277/480 Volt, 15 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	227.51	26.41
		For Bolt-On, Add	38.71	
		For Installation In New Panelboard, Deduct	-14.67	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.60	
26 28 16 13-0027	EA	2 Pole, 277/480 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	160.38	31.69
		For Bolt-On, Add	32.37	
		For Installation In New Panelboard, Deduct	-17.61	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.13	
26 28 16 13-0028	EA	2 Pole, 277/480 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	160.38	31.69
		For Bolt-On, Add	32.37	
		For Installation In New Panelboard, Deduct	-17.61	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.13	
26 28 16 13-0029	EA	2 Pole, 277/480 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	314.93	42.26
		For Bolt-On, Add	55.80	
		For Installation In New Panelboard, Deduct	-23.47	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.17	
26 28 16 13-0030	EA	2 Pole, 277/480 Volt, 110 To 125 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	428.84	52.82
		For Bolt-On, Add	74.14	
		For Installation In New Panelboard, Deduct	-29.34	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.21	
26 28 16 13-0031	EA	2 Pole, 277/480 Volt, 150 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	629.26	58.68
		For Bolt-On, Add	101.25	
		For Installation In New Panelboard, Deduct	-32.28	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.73	
26 28 16 13-0032	EA	3 Pole, 277/480 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	255.44	42.26
		For Bolt-On, Add	48.36	
		For Installation In New Panelboard, Deduct	-23.47	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.17	
26 28 16 13-0033	EA	3 Pole, 277/480 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	255.44	42.26
		For Bolt-On, Add	48.36	
		For Installation In New Panelboard, Deduct	-23.47	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.17	
26 28 16 13-0034	EA	3 Pole, 277/480 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	381.56	52.82
		For Bolt-On, Add	68.23	
		For Installation In New Panelboard, Deduct	-29.34	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.21	
26 28 16 13-0035	EA	3 Pole, 277/480 Volt, 110 To 125 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	542.30	63.38
		For Bolt-On, Add	92.44	
		For Installation In New Panelboard, Deduct	-35.21	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	42.26	
26 28 16 13-0036	EA	3 Pole, 277/480 Volt, 150 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	838.60	73.95
		For Bolt-On, Add	133.58	
		For Installation In New Panelboard, Deduct	-41.08	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	49.30	
26 28 16 13-0037	EA	3 Pole, 277/480 Volt, 175 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	967.47	79.23
		For Bolt-On, Add	151.74	
		For Installation In New Panelboard, Deduct	-44.02	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	52.82	
26 28 16 13-0038	EA	3 Pole, 277/480 Volt, 200 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	1,039.35	84.51
		For Bolt-On, Add	162.78	
		For Installation In New Panelboard, Deduct	-46.95	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	56.34	
26 28 16 13-0039	EA	3 Pole, 277/480 Volt, 225 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	1,229.42	89.78
		For Bolt-On, Add	188.60	
		For Installation In New Panelboard, Deduct	-49.89	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	59.86	

26 28 16 13-0040 Branch Circuit Breakers 18,000 Amperes Interrupting Capacity, Plug-On ^(26 28 16 13-0001)
 Note: Includes connection of electrical wire.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0041	EA	15 To 30 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	98.79	21.13
		For Bolt-On, Add	20.57	
		For Installation In New Panelboard, Deduct	-11.74	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.09	
26 28 16 13-0042	EA	35 To 60 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	98.79	21.13
		For Bolt-On, Add	20.57	
		For Installation In New Panelboard, Deduct	-11.74	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.09	
26 28 16 13-0043	EA	70 To 100 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	162.90	26.41
		For Bolt-On, Add	30.63	
		For Installation In New Panelboard, Deduct	-14.67	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.60	
26 28 16 13-0044	EA	15 To 30 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	203.02	31.69
		For Bolt-On, Add	37.70	
		For Installation In New Panelboard, Deduct	-17.61	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.13	
26 28 16 13-0045	EA	35 To 60 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	203.02	31.69
		For Bolt-On, Add	37.70	
		For Installation In New Panelboard, Deduct	-17.61	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.13	
26 28 16 13-0046	EA	70 To 100 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	355.81	42.26
		For Bolt-On, Add	60.91	
		For Installation In New Panelboard, Deduct	-23.47	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.17	
26 28 16 13-0047	EA	110 To 125 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	910.76	52.82
		For Bolt-On, Add	134.38	
		For Installation In New Panelboard, Deduct	-29.34	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.21	
26 28 16 13-0048	EA	15 To 30 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	325.80	42.26
		For Bolt-On, Add	57.16	
		For Installation In New Panelboard, Deduct	-23.47	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.17	
26 28 16 13-0049	EA	35 To 60 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	325.80	42.26
		For Bolt-On, Add	57.16	
		For Installation In New Panelboard, Deduct	-23.47	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.17	
26 28 16 13-0050	EA	70 To 100 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	432.76	52.82
		For Bolt-On, Add	74.63	
		For Installation In New Panelboard, Deduct	-29.34	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.21	
26 28 16 13-0051	EA	110 To 125 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	1,127.40	63.38
		For Bolt-On, Add	165.57	
		For Installation In New Panelboard, Deduct	-35.21	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	42.26	
26 28 16 13-0052		Branch Circuit Breakers 22,000 Amperes Interrupting Capacity, Plug-On (26 28 16 13-0001)		
		Note: Includes connection of electrical wire.		
26 28 16 13-0053	EA	15 To 30 Amperes, 1 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	112.67	21.13
		For Bolt-On, Add	22.30	
		For Installation In New Panelboard, Deduct	-11.74	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.09	
26 28 16 13-0054	EA	35 To 60 Amperes, 1 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	112.67	21.13
		For Bolt-On, Add	22.30	
		For Installation In New Panelboard, Deduct	-11.74	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.09	
26 28 16 13-0055	EA	70 To 100 Amperes, 1 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	132.85	26.41
		For Bolt-On, Add	26.88	
		For Installation In New Panelboard, Deduct	-14.67	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.60	
26 28 16 13-0056	EA	15 To 30 Amperes, 1 Pole GFI, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	225.65	26.41
		For Bolt-On, Add	38.48	
		For Installation In New Panelboard, Deduct	-14.67	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.60	
26 28 16 13-0057	EA	15 To 30 Amperes, 2 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	239.25	31.69
		For Bolt-On, Add	42.23	
		For Installation In New Panelboard, Deduct	-17.61	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.13	
26 28 16 13-0058	EA	35 To 60 Amperes, 2 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	239.25	31.69
		For Bolt-On, Add	42.23	
		For Installation In New Panelboard, Deduct	-17.61	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.13	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 28 16 13-0059	EA	70 To 100 Amperes, 2 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	290.16	42.26
		For Bolt-On, Add	52.70	
		For Installation In New Panelboard, Deduct	-23.47	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.17	
26 28 16 13-0060	EA	110 To 125 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	418.25	52.82
		For Bolt-On, Add	72.82	
		For Installation In New Panelboard, Deduct	-29.34	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.21	
26 28 16 13-0061	EA	150 To 225 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	540.93	58.68
		For Bolt-On, Add	90.21	
		For Installation In New Panelboard, Deduct	-32.28	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.73	
26 28 16 13-0062	EA	250 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	675.37	68.67
		For Bolt-On, Add	111.12	
		For Installation In New Panelboard, Deduct	-38.15	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	45.78	
26 28 16 13-0063	EA	300 To 400 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	728.68	79.23
		For Bolt-On, Add	121.90	
		For Installation In New Panelboard, Deduct	-44.02	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	52.82	
26 28 16 13-0064	EA	15 To 30 Amperes, 3 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	290.76	42.26
		For Bolt-On, Add	52.78	
		For Installation In New Panelboard, Deduct	-23.47	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.17	
26 28 16 13-0065	EA	35 To 60 Amperes, 3 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	290.76	42.26
		For Bolt-On, Add	52.78	
		For Installation In New Panelboard, Deduct	-23.47	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.17	
26 28 16 13-0066	EA	70 To 100 Amperes, 3 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	341.07	52.82
		For Bolt-On, Add	63.17	
		For Installation In New Panelboard, Deduct	-29.34	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.21	
26 28 16 13-0067	EA	110 To 125 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	518.31	63.38
		For Bolt-On, Add	89.44	
		For Installation In New Panelboard, Deduct	-35.21	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	42.26	
26 28 16 13-0068	EA	150 To 225 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	680.28	82.16
		For Bolt-On, Add	116.87	
		For Installation In New Panelboard, Deduct	-45.48	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	54.58	
26 28 16 13-0069	EA	250 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	840.47	95.07
		For Bolt-On, Add	142.03	
		For Installation In New Panelboard, Deduct	-52.82	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	63.38	
26 28 16 13-0070	EA	300 To 400 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	893.82	100.94
		For Bolt-On, Add	150.75	
		For Installation In New Panelboard, Deduct	-55.75	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	66.90	
26 28 16 13-0071		Branch Circuit Breakers 25,000 Amperes Interrupting Capacity, Plug-On ^(26 28 16 13-0001)		
		Note: Includes connection of electrical wire.		
26 28 16 13-0072	EA	15 To 30 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	248.30	31.69
		For Installation In New Panelboard, Deduct	-17.61	
		Note: Also for use with new interiors in panelboards.		
		For Bolt-On, Add	43.36	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.13	
26 28 16 13-0073	EA	35 To 60 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	248.30	31.69
		For Installation In New Panelboard, Deduct	-17.61	
		Note: Also for use with new interiors in panelboards.		
		For Bolt-On, Add	43.36	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.13	
26 28 16 13-0074	EA	70 To 100 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	377.67	42.26
		For Installation In New Panelboard, Deduct	-23.47	
		Note: Also for use with new interiors in panelboards.		
		For Bolt-On, Add	63.64	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.17	
26 28 16 13-0075	EA	110 To 125 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	613.83	52.82
		For Installation In New Panelboard, Deduct	-29.34	
		Note: Also for use with new interiors in panelboards.		
		For Bolt-On, Add	97.27	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.21	
26 28 16 13-0076	EA	150 To 225 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	956.53	65.73
		For Installation In New Panelboard, Deduct	-36.68	
		Note: Also for use with new interiors in panelboards.		
		For Bolt-On, Add	145.24	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.01	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0077	EA	250 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	1,084.39	68.67
		<i>For Installation In New Panelboard, Deduct</i>	-38.15	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Bolt-On, Add</i>	162.25	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.78	
26 28 16 13-0078	EA	300 To 400 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	1,184.79	79.23
		<i>For Installation In New Panelboard, Deduct</i>	-44.02	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Bolt-On, Add</i>	178.91	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.82	
26 28 16 13-0079	EA	15 To 30 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	356.91	42.26
		<i>For Installation In New Panelboard, Deduct</i>	-23.47	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Bolt-On, Add</i>	61.04	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.17	
26 28 16 13-0080	EA	35 To 60 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	356.91	42.26
		<i>For Installation In New Panelboard, Deduct</i>	-23.47	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Bolt-On, Add</i>	61.04	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.17	
26 28 16 13-0081	EA	70 To 100 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	449.60	52.82
		<i>For Installation In New Panelboard, Deduct</i>	-29.34	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Bolt-On, Add</i>	76.74	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.21	
26 28 16 13-0082	EA	110 To 125 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	763.66	63.38
		<i>For Installation In New Panelboard, Deduct</i>	-35.21	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Bolt-On, Add</i>	120.11	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.26	
26 28 16 13-0083	EA	150 To 225 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	1,116.33	82.16
		<i>For Installation In New Panelboard, Deduct</i>	-45.48	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Bolt-On, Add</i>	171.38	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	54.58	
26 28 16 13-0084	EA	250 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	1,318.67	95.07
		<i>For Installation In New Panelboard, Deduct</i>	-52.82	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Bolt-On, Add</i>	201.81	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	63.38	
26 28 16 13-0085	EA	300 To 400 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	1,426.74	100.94
		<i>For Installation In New Panelboard, Deduct</i>	-55.75	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Bolt-On, Add</i>	217.37	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	66.90	
26 28 16 13-0086		Branch Circuit Breakers 30,000 Amperes Interrupting Capacity, Plug-On (26 28 16 13-0001)		
		<i>Note: Includes connection of electrical wire.</i>		
26 28 16 13-0087	EA	2 Pole, 240/480 Volt, 15-30 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	257.30	31.69
		<i>For Bolt-On, Add</i>	44.49	
		<i>For Installation In New Panelboard, Deduct</i>	-17.61	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.13	
26 28 16 13-0088	EA	2 Pole, 240/480 Volt, 35-60 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	257.30	31.69
		<i>For Bolt-On, Add</i>	44.49	
		<i>For Installation In New Panelboard, Deduct</i>	-17.61	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.13	
26 28 16 13-0089	EA	2 Pole, 240/480 Volt, 70-100 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	460.73	42.26
		<i>For Bolt-On, Add</i>	74.02	
		<i>For Installation In New Panelboard, Deduct</i>	-23.47	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.17	
26 28 16 13-0090	EA	2 Pole, 240/480 Volt, 110-125 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	844.13	52.82
		<i>For Bolt-On, Add</i>	126.06	
		<i>For Installation In New Panelboard, Deduct</i>	-29.34	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.21	
26 28 16 13-0091	EA	2 Pole, 240/480 Volt, 150-225 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	1,337.21	65.73
		<i>For Bolt-On, Add</i>	192.83	
		<i>For Installation In New Panelboard, Deduct</i>	-36.68	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.01	
26 28 16 13-0092	EA	2 Pole, 240/480 Volt, 250 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	1,522.22	68.67
		<i>For Bolt-On, Add</i>	216.98	
		<i>For Installation In New Panelboard, Deduct</i>	-38.15	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.78	
26 28 16 13-0093	EA	2 Pole, 240/480 Volt, 300-400 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	1,657.26	79.23
		<i>For Bolt-On, Add</i>	237.97	
		<i>For Installation In New Panelboard, Deduct</i>	-44.02	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.82	
26 28 16 13-0094	EA	3 Pole, 240/480 Volt, 15-30 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	419.20	42.26
		<i>For Bolt-On, Add</i>	68.83	
		<i>For Installation In New Panelboard, Deduct</i>	-23.47	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.17	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 28 16 13-0095	EA	3 Pole, 240/480 Volt, 35-60 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	419.20	42.26
		<i>For Bolt-On, Add</i>	68.83	
		<i>For Installation In New Panelboard, Deduct</i>	-23.47	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.17	
26 28 16 13-0096	EA	3 Pole, 240/480 Volt, 70-100 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	557.58	52.82
		<i>For Bolt-On, Add</i>	90.24	
		<i>For Installation In New Panelboard, Deduct</i>	-29.34	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.21	
26 28 16 13-0097	EA	3 Pole, 240/480 Volt, 110-125 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	1,026.80	63.38
		<i>For Bolt-On, Add</i>	153.00	
		<i>For Installation In New Panelboard, Deduct</i>	-35.21	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.26	
26 28 16 13-0098	EA	3 Pole, 240/480 Volt, 150-225 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	1,297.23	82.16
		<i>For Bolt-On, Add</i>	193.99	
		<i>For Installation In New Panelboard, Deduct</i>	-45.48	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	54.58	
26 28 16 13-0099	EA	3 Pole, 240/480 Volt, 250 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	2,070.40	95.07
		<i>For Bolt-On, Add</i>	295.77	
		<i>For Installation In New Panelboard, Deduct</i>	-52.82	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	63.38	
26 28 16 13-0100	EA	3 Pole, 240/480 Volt, 300-400 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	2,205.07	100.94
		<i>For Bolt-On, Add</i>	314.66	
		<i>For Installation In New Panelboard, Deduct</i>	-55.75	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	66.90	

26 28 16 13-0101 Branch Circuit Breakers 35,000 Amperes Interrupting Capacity, Plug-On

(26 28 16 13-0001)

Note: Includes connection of electrical wire.

26 28 16 13-0102	EA	1 Pole, 480 Volt, 15-30 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	135.35	21.13
		<i>For Installation In New Panelboard, Deduct</i>	-11.74	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Bolt-On, Add</i>	25.14	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.09	
26 28 16 13-0103	EA	1 Pole, 480 Volt, 35-60 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	135.35	21.13
		<i>For Installation In New Panelboard, Deduct</i>	-11.74	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Bolt-On, Add</i>	25.14	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.09	
26 28 16 13-0104	EA	1 Pole, 480 Volt, 70-100 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	234.38	26.41
		<i>For Installation In New Panelboard, Deduct</i>	-14.67	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Bolt-On, Add</i>	39.57	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.60	
26 28 16 13-0105	EA	2 Pole, 480 Volt, 15-30 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	294.14	31.69
		<i>For Installation In New Panelboard, Deduct</i>	-17.61	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Bolt-On, Add</i>	49.09	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.13	
26 28 16 13-0106	EA	2 Pole, 480 Volt, 35-60 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	294.14	31.69
		<i>For Installation In New Panelboard, Deduct</i>	-17.61	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Bolt-On, Add</i>	49.09	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.13	
26 28 16 13-0107	EA	2 Pole, 480 Volt, 70-100 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	536.97	42.26
		<i>For Installation In New Panelboard, Deduct</i>	-23.47	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Bolt-On, Add</i>	83.55	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.17	
26 28 16 13-0108	EA	2 Pole, 480 Volt, 110-125 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	996.40	52.82
		<i>For Installation In New Panelboard, Deduct</i>	-29.34	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Bolt-On, Add</i>	145.09	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.21	
26 28 16 13-0109	EA	2 Pole, 480 Volt, 150-225 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	1,938.66	65.73
		<i>For Installation In New Panelboard, Deduct</i>	-36.68	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Bolt-On, Add</i>	268.01	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.01	
26 28 16 13-0110	EA	3 Pole, 480 Volt, 15-30 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	485.67	42.26
		<i>For Installation In New Panelboard, Deduct</i>	-23.47	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Bolt-On, Add</i>	77.14	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.17	
26 28 16 13-0111	EA	3 Pole, 480 Volt, 35-60 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	485.67	42.26
		<i>For Installation In New Panelboard, Deduct</i>	-23.47	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Bolt-On, Add</i>	77.14	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.17	
26 28 16 13-0112	EA	3 Pole, 480 Volt, 70-100 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	649.93	52.82
		<i>For Installation In New Panelboard, Deduct</i>	-29.34	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Bolt-On, Add</i>	101.78	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.21	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0113	EA	3 Pole, 480 Volt, 110-125 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity <i>For Installation In New Panelboard, Deduct</i> <i>Note: Also for use with new interiors in panelboards.</i>	1,227.53 -35.21	63.38
		<i>For Bolt-On, Add</i>	178.09	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.26	
26 28 16 13-0114	EA	3 Pole, 480 Volt, 150-225 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity <i>For Installation In New Panelboard, Deduct</i> <i>Note: Also for use with new interiors in panelboards.</i>	2,410.41 -45.48	82.16
		<i>For Bolt-On, Add</i>	333.14	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	54.58	
26 28 16 13-0115		Branch Circuit Breakers 42,000 Amperes Interrupting Capacity, Plug-On (26 28 16 13-0001) <i>Note: Includes connection of electrical wire.</i>		
26 28 16 13-0116	EA	15 To 30 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity <i>For Installation In New Panelboard, Deduct</i> <i>Note: Also for use with new interiors in panelboards.</i>	199.22 -11.74	21.13
		<i>For Bolt-On, Add</i>	33.12	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.09	
26 28 16 13-0117	EA	35 To 60 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Ampere Interrupting Capacity <i>For Installation In New Panelboard, Deduct</i> <i>Note: Also for use with new interiors in panelboards.</i>	199.22 -11.74	21.13
		<i>For Bolt-On, Add</i>	33.12	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.09	
26 28 16 13-0118	EA	70 To 100 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity <i>For Installation In New Panelboard, Deduct</i> <i>Note: Also for use with new interiors in panelboards.</i>	302.32 -14.67	26.41
		<i>For Bolt-On, Add</i>	48.06	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.60	
26 28 16 13-0119	EA	15 To 30 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity <i>For Installation In New Panelboard, Deduct</i> <i>Note: Also for use with new interiors in panelboards.</i>	368.04 -17.61	31.69
		<i>For Bolt-On, Add</i>	58.33	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.13	
26 28 16 13-0120	EA	35 To 60 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity <i>For Installation In New Panelboard, Deduct</i> <i>Note: Also for use with new interiors in panelboards.</i>	368.04 -17.61	31.69
		<i>For Bolt-On, Add</i>	58.33	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.13	
26 28 16 13-0121	EA	70 To 100 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity <i>For Installation In New Panelboard, Deduct</i> <i>Note: Also for use with new interiors in panelboards.</i>	696.06 -23.47	42.26
		<i>For Bolt-On, Add</i>	103.44	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.17	
26 28 16 13-0122	EA	110 To 125 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity <i>For Installation In New Panelboard, Deduct</i> <i>Note: Also for use with new interiors in panelboards.</i>	1,266.34 -29.34	52.82
		<i>For Bolt-On, Add</i>	178.83	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.21	
26 28 16 13-0123	EA	150 To 225 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity <i>For Installation In New Panelboard, Deduct</i> <i>Note: Also for use with new interiors in panelboards.</i>	2,530.86 -32.28	58.68
		<i>For Bolt-On, Add</i>	338.95	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.73	
26 28 16 13-0124	EA	15 To 30 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity <i>For Installation In New Panelboard, Deduct</i> <i>Note: Also for use with new interiors in panelboards.</i>	633.77 -23.47	42.26
		<i>For Bolt-On, Add</i>	95.65	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.17	
26 28 16 13-0125	EA	35 To 60 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity <i>For Installation In New Panelboard, Deduct</i> <i>Note: Also for use with new interiors in panelboards.</i>	633.77 -23.47	42.26
		<i>For Bolt-On, Add</i>	95.65	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.17	
26 28 16 13-0126	EA	70 To 100 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity <i>For Installation In New Panelboard, Deduct</i> <i>Note: Also for use with new interiors in panelboards.</i>	878.73 -29.34	52.82
		<i>For Bolt-On, Add</i>	130.38	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.21	
26 28 16 13-0127	EA	110 To 125 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity <i>For Installation In New Panelboard, Deduct</i> <i>Note: Also for use with new interiors in panelboards.</i>	1,428.25 -35.21	63.38
		<i>For Bolt-On, Add</i>	203.18	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.26	
26 28 16 13-0128	EA	150 To 225 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity <i>For Installation In New Panelboard, Deduct</i> <i>Note: Also for use with new interiors in panelboards.</i>	3,192.78 -45.48	82.16
		<i>For Bolt-On, Add</i>	430.94	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	54.58	
26 28 16 13-0129		Branch Circuit Breakers 65,000 Amperes Interrupting Capacity, Plug-On (26 28 16 13-0001) <i>Note: Includes connection of electrical wire.</i>		
26 28 16 13-0130	EA	15 To 30 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity <i>For Installation In New Panelboard, Deduct</i> <i>Note: Also for use with new interiors in panelboards.</i>	88.97 -11.74	21.13
		<i>For Bolt-On, Add</i>	19.34	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.09	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 28 16 13-0131	EA	15 To 30 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	188.83	31.69
		<i>For Installation In New Panelboard, Deduct</i>	-17.61	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Bolt-On, Add</i>	35.93	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.13	
26 28 16 13-0132	EA	15 To 30 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	300.15	42.26
		<i>For Installation In New Panelboard, Deduct</i>	-23.47	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Bolt-On, Add</i>	53.95	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.17	
26 28 16 13-0133	EA	15 To 30 Amperes, 1 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	188.28	21.13
		<i>For Installation In New Panelboard, Deduct</i>	-11.74	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Bolt-On, Add</i>	31.75	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.09	
26 28 16 13-0134	EA	35 To 60 Amperes, 1 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	188.28	21.13
		<i>For Installation In New Panelboard, Deduct</i>	-11.74	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Bolt-On, Add</i>	31.75	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.09	
26 28 16 13-0135	EA	70 To 100 Amperes, 1 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	374.91	42.26
		<i>For Installation In New Panelboard, Deduct</i>	-23.47	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Bolt-On, Add</i>	63.29	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.17	
26 28 16 13-0136	EA	15 To 30 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	428.92	31.69
		<i>For Installation In New Panelboard, Deduct</i>	-17.61	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Bolt-On, Add</i>	65.94	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.13	
26 28 16 13-0137	EA	35 To 60 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	428.92	31.69
		<i>For Installation In New Panelboard, Deduct</i>	-17.61	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Bolt-On, Add</i>	65.94	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.13	
26 28 16 13-0138	EA	70 To 100 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	833.26	42.26
		<i>For Installation In New Panelboard, Deduct</i>	-23.47	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Bolt-On, Add</i>	120.59	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.17	
26 28 16 13-0139	EA	110 To 125 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	1,418.61	52.82
		<i>For Installation In New Panelboard, Deduct</i>	-29.34	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Bolt-On, Add</i>	197.87	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.21	
26 28 16 13-0140	EA	150 To 225 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	3,134.20	65.73
		<i>For Installation In New Panelboard, Deduct</i>	-36.68	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Bolt-On, Add</i>	417.45	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.01	
26 28 16 13-0141	EA	15 To 30 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	720.85	42.26
		<i>For Installation In New Panelboard, Deduct</i>	-23.47	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Bolt-On, Add</i>	106.54	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.17	
26 28 16 13-0142	EA	35 To 60 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	720.85	42.26
		<i>For Installation In New Panelboard, Deduct</i>	-23.47	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Bolt-On, Add</i>	106.54	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.17	
26 28 16 13-0143	EA	70 To 100 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	1,005.16	52.82
		<i>For Installation In New Panelboard, Deduct</i>	-29.34	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Bolt-On, Add</i>	146.18	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.21	
26 28 16 13-0144	EA	110 To 125 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	1,538.99	63.38
		<i>For Installation In New Panelboard, Deduct</i>	-35.21	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Bolt-On, Add</i>	217.02	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.26	
26 28 16 13-0145	EA	150 To 225 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	3,897.33	82.16
		<i>For Installation In New Panelboard, Deduct</i>	-45.48	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Bolt-On, Add</i>	519.00	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	54.58	

26 28 16 16 Enclosed Switches (26 28 16)

26 28 16 16-0001	Motor And Circuit Disconnects	(26 28 16 16)
	<i>Note: Work includes mounting, material handling, uploading at job site and termination of all conductors entering and leaving the disconnect.</i>	
26 28 16 16-0002	NEMA 1 Enclosure, Neutral Kit, Safety Switches	(26 28 16 16-0001)
26 28 16 16-0003	Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches	(26 28 16 16-0002)
	<i>Note: Includes fuses and neutral bar.</i>	
26 28 16 16-0004	240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches	(26 28 16 16-0003)

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0005	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	449.16	117.37
26 28 16 16-0006	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	711.71	141.43
26 28 16 16-0007	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	982.10	165.50
26 28 16 16-0008	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,694.87	260.56
26 28 16 16-0009	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,624.38	404.93
26 28 16 16-0010	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,062.81	598.60
26 28 16 16-0011	EA	800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	8,285.99	704.24
26 28 16 16-0012	EA	1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	11,141.52	821.61
26 28 16 16-0013		600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0003)		
26 28 16 16-0014	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	690.06	130.40
26 28 16 16-0015	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	832.60	157.16
26 28 16 16-0016	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,333.01	183.69
26 28 16 16-0017	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,968.42	289.91
26 28 16 16-0018	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,319.68	449.77
26 28 16 16-0019	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,738.83	664.80
26 28 16 16-0020	EA	800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	9,992.22	782.06
26 28 16 16-0021	EA	1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	13,672.34	912.92
26 28 16 16-0022		240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0003)		
26 28 16 16-0023	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	636.61	184.27
26 28 16 16-0024	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	941.76	244.72
26 28 16 16-0025	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,275.72	271.72
26 28 16 16-0026	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,018.63	425.47
26 28 16 16-0027	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,217.69	698.36
26 28 16 16-0028	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,881.18	978.29
26 28 16 16-0029		600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0003)		
26 28 16 16-0030	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	836.77	203.64
26 28 16 16-0031	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,061.82	271.72
26 28 16 16-0032	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,577.08	305.76
26 28 16 16-0033	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,320.05	465.96
26 28 16 16-0034	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,204.91	752.36
26 28 16 16-0035	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	8,392.17	1,086.87
26 28 16 16-0036	EA	800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	13,411.93	1,291.10
26 28 16 16-0037	EA	1,200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	17,168.59	1,467.15
26 28 16 16-0038		240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0003)		
26 28 16 16-0039	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	616.02	184.27
26 28 16 16-0040	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	915.15	244.72
26 28 16 16-0041	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,227.31	271.72
26 28 16 16-0042	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,085.21	425.47
26 28 16 16-0043	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,592.93	698.36

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 28 16 16-0044	EA	600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	7,445.70	978.29	
26 28 16 16-0045	EA	800 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	12,374.73	1,232.41	
26 28 16 16-0046	EA	1,200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	15,272.88	1,408.47	
26 28 16 16-0047 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0003)					
26 28 16 16-0048	EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	912.32	203.64	
26 28 16 16-0049	EA	60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,154.67	271.72	
26 28 16 16-0050	EA	100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,712.84	305.76	
26 28 16 16-0051	EA	200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,523.29	465.96	
26 28 16 16-0052	EA	400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,638.52	752.36	
26 28 16 16-0053	EA	600 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	9,157.99	1,086.87	
26 28 16 16-0054	EA	800 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	14,683.38	1,291.10	
26 28 16 16-0055	EA	1,200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	18,542.01	1,467.15	
26 28 16 16-0056 Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0002)					
26 28 16 16-0057 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0056)					
26 28 16 16-0058	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	436.13	169.84	
26 28 16 16-0059	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	679.91	236.27	
26 28 16 16-0060	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	941.80	271.72	
26 28 16 16-0061	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,474.64	434.74	
26 28 16 16-0062	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,988.76	724.53	
26 28 16 16-0063	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,904.21	988.04	
26 28 16 16-0064	EA	800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	7,026.95	1,173.72	
26 28 16 16-0065	EA	1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	9,294.90	1,369.85	
26 28 16 16-0066 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0056)					
26 28 16 16-0067	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	481.74	187.45	
26 28 16 16-0068	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	770.21	265.15	
26 28 16 16-0069	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,064.94	301.88	
26 28 16 16-0070	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,652.59	472.54	
26 28 16 16-0071	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,215.79	776.30	
26 28 16 16-0072	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,424.39	1,086.75	
26 28 16 16-0073	EA	800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	7,804.17	1,173.72	
26 28 16 16-0074	EA	1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	10,359.27	1,369.85	
26 28 16 16-0075 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0056)					
26 28 16 16-0076	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	507.04	152.59	
26 28 16 16-0077	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	778.55	212.44	
26 28 16 16-0078	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,055.23	244.72	
26 28 16 16-0079	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,657.07	391.43	
26 28 16 16-0080	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,332.94	652.00	
26 28 16 16-0081	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,391.78	889.10	
26 28 16 16-0082	EA	800 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	9,333.59	1,056.35	

MINOR		DESCRIPTION	TOTAL DIRECT		DEMOLITION
CSI	UOM		UNIT	COST	
26 28 16 16-0083	EA	1,200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	12,179.42		1,232.41
26 28 16 16-0084		480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0056)			
26 28 16 16-0085	EA	30 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	552.97		168.42
26 28 16 16-0086	EA	60 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	855.62		238.86
26 28 16 16-0087	EA	100 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,150.01		271.72
26 28 16 16-0088	EA	200 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,787.57		425.47
26 28 16 16-0089	EA	400 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,570.99		698.36
26 28 16 16-0090	EA	600 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	5,827.72		978.29
26 28 16 16-0091	EA	800 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	9,847.85		1,056.35
26 28 16 16-0092		600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0056)			
26 28 16 16-0093	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	591.31		168.66
26 28 16 16-0094	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	921.01		238.61
26 28 16 16-0095	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,256.34		271.72
26 28 16 16-0096	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,951.35		425.24
26 28 16 16-0097	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,800.09		698.59
26 28 16 16-0098	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	6,505.75		978.06
26 28 16 16-0099	EA	800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	10,621.83		1,056.35
26 28 16 16-0100	EA	1,200 Amperes, 600 Volt Class, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	13,913.61		1,232.41
26 28 16 16-0101		240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0056)			
26 28 16 16-0102	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	875.29		152.82
26 28 16 16-0103	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,054.73		212.68
26 28 16 16-0104	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,624.86		244.49
26 28 16 16-0105	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,436.14		391.20
26 28 16 16-0106		480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0056)			
26 28 16 16-0107	EA	30 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	947.61		168.42
26 28 16 16-0108	EA	60 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,151.57		238.86
26 28 16 16-0109	EA	100 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,760.34		271.72
26 28 16 16-0110	EA	200 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,622.31		425.47
26 28 16 16-0111		600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0056)			
26 28 16 16-0112	EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,054.33		168.66
26 28 16 16-0113	EA	60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,269.27		238.61
26 28 16 16-0114	EA	100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,972.01		271.72
26 28 16 16-0115	EA	200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,930.65		425.24
26 28 16 16-0116		General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0002)			
		Note: Includes fuses and neutral bar.			
26 28 16 16-0117		240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0116)			
26 28 16 16-0118	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	309.70		102.11

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 28 16 16-0119	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	423.69	122.89	
26 28 16 16-0120	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	656.11	143.67	
26 28 16 16-0121	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,218.26	226.65	
26 28 16 16-0122	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,915.61	351.53	
26 28 16 16-0123	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,465.77	520.31	
26 28 16 16-0124		240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0116)			
26 28 16 16-0125	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	426.09	160.45	
26 28 16 16-0126	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	602.80	212.68	
26 28 16 16-0127	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	841.29	236.27	
26 28 16 16-0128	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,505.88	369.84	
26 28 16 16-0129	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,430.36	607.52	
26 28 16 16-0130	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,131.71	850.48	
26 28 16 16-0131		240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0116)			
26 28 16 16-0132	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	475.87	160.45	
26 28 16 16-0133	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	683.08	212.68	
26 28 16 16-0134	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	914.33	236.27	
26 28 16 16-0135	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,689.91	369.84	
26 28 16 16-0136	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,744.93	607.52	
26 28 16 16-0137	EA	600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,331.11	850.48	
26 28 16 16-0138		General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0002)			
26 28 16 16-0139		240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0138)			
26 28 16 16-0140	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	422.91	142.02	
26 28 16 16-0141	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	565.38	163.26	
26 28 16 16-0142	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,287.31	260.92	
26 28 16 16-0143	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,772.91	434.28	
26 28 16 16-0144	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,815.64	591.79	
26 28 16 16-0145		240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0138)			
26 28 16 16-0146	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	399.65	132.86	
26 28 16 16-0147	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	547.33	184.86	
26 28 16 16-0148	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	839.10	212.68	
26 28 16 16-0149	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,446.69	340.27	
26 28 16 16-0150	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,039.56	567.14	
26 28 16 16-0151	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,180.39	773.01	
26 28 16 16-0152		NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26 28 16 16-0001)			
26 28 16 16-0153		Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26 28 16 16-0152) Note: With fuses, neutral bar, and hub if required.			
26 28 16 16-0154		240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26 28 16 16-0153)			

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0155	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	662.93	137.91
26 28 16 16-0156	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,059.74	165.50
26 28 16 16-0157	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,325.87	192.49
26 28 16 16-0158	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,939.65	293.43
26 28 16 16-0159	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	4,303.03	469.49
26 28 16 16-0160	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	7,560.32	626.18
26 28 16 16-0161	EA	800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	11,357.61	704.24
26 28 16 16-0162	EA	1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	15,060.61	821.61
26 28 16 16-0163 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches ⁽²⁶⁾				
26 28 16 16-0164	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,146.04	183.81
26 28 16 16-0165	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,364.08	225.35
26 28 16 16-0166	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,941.93	258.81
26 28 16 16-0167	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,733.82	388.15
26 28 16 16-0168	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	5,969.20	635.10
26 28 16 16-0169	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	11,005.35	873.36
26 28 16 16-0170	EA	800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	16,207.18	1,005.65
26 28 16 16-0171	EA	1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	17,851.49	1,132.05
26 28 16 16-0172 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches ⁽²⁶⁾				
26 28 16 16-0173	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	841.73	217.14
26 28 16 16-0174	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,341.55	287.57
26 28 16 16-0175	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,619.89	315.73
26 28 16 16-0176	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,399.90	488.86
26 28 16 16-0177	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	5,213.17	815.15
26 28 16 16-0178	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	8,722.21	1,086.87
26 28 16 16-0179 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches ⁽²⁶⁾				
26 28 16 16-0180	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,295.55	257.40
26 28 16 16-0181	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,544.95	315.50
26 28 16 16-0182	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,074.18	362.21
26 28 16 16-0183	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	3,011.44	543.43
26 28 16 16-0184	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	6,366.07	889.21
26 28 16 16-0185	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	11,535.89	1,222.67
26 28 16 16-0186	EA	800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	16,360.95	1,408.47
26 28 16 16-0187	EA	1,200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	19,594.46	1,584.53
26 28 16 16-0188 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches ⁽²⁶⁾				
26 28 16 16-0189	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	926.16	217.14
26 28 16 16-0190	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,344.00	287.57
26 28 16 16-0191	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,738.60	315.73
26 28 16 16-0192	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,479.08	488.86

26	26	Electrical
	26 20	Low-Voltage Electrical Distribution
	26 28	Low-Voltage Circuit Protective Devices



MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
26 28 16 16-0193	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,285.81		815.15
26 28 16 16-0194	EA	600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	9,521.13		1,086.87
26 28 16 16-0195	EA	800 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	15,947.51		1,232.41
26 28 16 16-0196	EA	1,200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	19,891.17		1,408.47
26 28 16 16-0197		600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26 28 16-0193)			
26 28 16 16-0198	EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,343.99		257.63
26 28 16 16-0199	EA	60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,599.41		315.73
26 28 16 16-0200	EA	100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,195.23		362.10
26 28 16 16-0201	EA	200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	3,090.12		543.43
26 28 16 16-0202	EA	400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	6,650.53		889.10
26 28 16 16-0203	EA	600 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	11,862.72		1,222.43
26 28 16 16-0204	EA	800 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	17,390.09		1,408.47
26 28 16 16-0205	EA	1,200 Amperes, 600 Volt Class, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	20,951.00		1,584.53
26 28 16 16-0206		Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26 28 16 16-0152)			
26 28 16 16-0207		240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26 28 16 16-0206)			
26 28 16 16-0208	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	630.39		120.78
26 28 16 16-0209	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,032.34		167.25
26 28 16 16-0210	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,360.20		191.79
26 28 16 16-0211	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,804.12		310.57
26 28 16 16-0212	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,034.41		518.08
26 28 16 16-0213	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	7,383.14		690.74
26 28 16 16-0214	EA	800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	11,907.96		821.96
26 28 16 16-0215	EA	1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	15,735.02		939.33
26 28 16 16-0216		600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26 28 16 16-0206)			
26 28 16 16-0217	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	710.04		133.10
26 28 16 16-0218	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,170.24		186.27
26 28 16 16-0219	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,536.54		210.33
26 28 16 16-0220	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,004.21		326.06
26 28 16 16-0221	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,583.24		543.43
26 28 16 16-0222	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	7,973.50		724.53
26 28 16 16-0223	EA	800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	12,701.11		861.05
26 28 16 16-0224	EA	1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	16,777.37		978.06
26 28 16 16-0225		240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26 28 16 16-0206)			
26 28 16 16-0226	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	751.14		181.10
26 28 16 16-0227	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,199.54		250.82
26 28 16 16-0228	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,551.98		287.68
26 28 16 16-0229	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,114.63		465.85
26 28 16 16-0230	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,613.28		777.00

MINOR				TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST	
26 28 16 16-0231	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	8,192.96		1,035.81	
26 28 16 16-0232	EA	800 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	12,862.89		1,232.41	
26 28 16 16-0233	EA	1,200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	17,052.67		1,408.47	
26 28 16 16-0234		480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26 28 16 16-0206)				
26 28 16 16-0235	EA	30 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	815.87		199.54	
26 28 16 16-0236	EA	60 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,306.73		279.47	
26 28 16 16-0237	EA	100 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,677.42		315.50	
26 28 16 16-0238	EA	200 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,245.71		489.09	
26 28 16 16-0239	EA	400 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,907.76		815.03	
26 28 16 16-0240	EA	600 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	8,731.46		1,086.75	
26 28 16 16-0241	EA	800 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	13,722.76		1,291.10	
26 28 16 16-0242	EA	1,200 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	18,184.96		1,467.15	
26 28 16 16-0243		600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26 28 16 16-0206)				
26 28 16 16-0244	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	430.73		199.54	
26 28 16 16-0245	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,356.55		279.47	
26 28 16 16-0246	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,746.88		315.50	
26 28 16 16-0247	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,330.24		489.09	
26 28 16 16-0248	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,126.63		815.03	
26 28 16 16-0249	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	8,698.02		1,086.75	
26 28 16 16-0250	EA	800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	13,704.03		1,291.10	
26 28 16 16-0251	EA	1,200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	18,159.46		1,467.15	
26 28 16 16-0252		General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26 28 16 16-0152) Note: With fuses, neutral bar, and hub if required.				
26 28 16 16-0253		240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26 28 16 16-0252)				
26 28 16 16-0254	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	401.88		119.95	
26 28 16 16-0255	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	569.65		143.90	
26 28 16 16-0256	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	751.41		167.37	
26 28 16 16-0257	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,550.00		255.16	
26 28 16 16-0258	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	3,813.52		408.22	
26 28 16 16-0259	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	6,777.86		544.60	
26 28 16 16-0260		240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26 28 16 16-0252)				
26 28 16 16-0261	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	540.66		189.09	
26 28 16 16-0262	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	782.58		250.12	
26 28 16 16-0263	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	965.03		274.42	
26 28 16 16-0264	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,891.26		425.24	
26 28 16 16-0265	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	4,416.83		708.70	
26 28 16 16-0266	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	7,588.51		945.32	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 28 16 16-0267		240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches ^(26 28 16 16-0252)		
26 28 16 16-0268	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	610.45	188.97
26 28 16 16-0269	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	852.57	250.12
26 28 16 16-0270	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,190.32	274.42
26 28 16 16-0271	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,036.77	425.24
26 28 16 16-0272	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,510.31	708.81
26 28 16 16-0273	EA	600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	8,318.27	945.32
26 28 16 16-0274	EA	800 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	11,915.90	1,070.90
26 28 16 16-0275		General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches ^(26 28 16 16-0152)		
26 28 16 16-0276		240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches ^(26 28 16 16-0275)		
26 28 16 16-0277	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	362.98	105.05
26 28 16 16-0278	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	596.74	145.42
26 28 16 16-0279	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	625.83	166.79
26 28 16 16-0280	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,580.29	269.96
26 28 16 16-0281	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	3,898.85	450.48
26 28 16 16-0282	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	6,893.12	600.59
26 28 16 16-0283		240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches ^(26 28 16 16-0275)		
26 28 16 16-0284	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	568.87	157.51
26 28 16 16-0285	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	819.80	218.08
26 28 16 16-0286	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,207.41	250.12
26 28 16 16-0287	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,078.04	405.05
26 28 16 16-0288		NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches ^(26 28 16 16-0001)		
26 28 16 16-0289		Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches ^(26 28 16 16-0288)		
		Note: With fuses and neutral bar (stainless steel).		
26 28 16 16-0290		240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches ^(26 28 16 16-0289)		
26 28 16 16-0291	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,786.19	117.37
26 28 16 16-0292	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,145.62	141.43
26 28 16 16-0293	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,390.17	165.26
26 28 16 16-0294	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,068.77	260.81
26 28 16 16-0295	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	12,350.79	404.70
26 28 16 16-0296	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	17,751.59	598.37
26 28 16 16-0297		600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches ^(26 28 16 16-0289)		
26 28 16 16-0298	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,268.65	130.40
26 28 16 16-0299	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,521.58	157.05
26 28 16 16-0300	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,746.14	183.57
26 28 16 16-0301	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,704.49	289.91
26 28 16 16-0302	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	12,823.28	450.01
26 28 16 16-0303	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	18,384.72	664.80

			Electrical	26	26
			Low-Voltage Electrical Distribution	26 20	
			Low-Voltage Circuit Protective Devices	26 28	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 28 16 16-0304			240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches ^(26 28 16 16-0289)		
26 28 16 16-0305	EA		30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,001.69	184.51
26 28 16 16-0306	EA		60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,507.52	244.49
26 28 16 16-0307	EA		100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,803.86	271.72
26 28 16 16-0308	EA		200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,824.76	425.24
26 28 16 16-0309	EA		400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	13,320.48	698.59
26 28 16 16-0310	EA		600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	19,011.39	978.06
26 28 16 16-0311			600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches ^(26 28 16 16-0289)		
26 28 16 16-0312	EA		30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,421.62	203.76
26 28 16 16-0313	EA		60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,757.68	271.72
26 28 16 16-0314	EA		100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,003.86	305.64
26 28 16 16-0315	EA		200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,075.21	465.73
26 28 16 16-0316	EA		400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	13,753.43	752.36
26 28 16 16-0317	EA		600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	19,568.87	1,086.75
26 28 16 16-0318			240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches ^(26 28 16 16-0289)		
26 28 16 16-0319	EA		30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,396.46	184.51
26 28 16 16-0320	EA		60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,001.02	244.49
26 28 16 16-0321	EA		100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,791.36	271.72
26 28 16 16-0322	EA		200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	8,175.12	425.24
26 28 16 16-0323	EA		400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	15,978.17	698.59
26 28 16 16-0324	EA		600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	22,663.70	978.06
26 28 16 16-0325			600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches ^(26 28 16 16-0289)		
26 28 16 16-0326	EA		30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,888.09	203.76
26 28 16 16-0327	EA		60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,286.64	271.72
26 28 16 16-0328	EA		100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,011.85	305.64
26 28 16 16-0329	EA		200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	8,436.87	465.73
26 28 16 16-0330	EA		400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	16,446.99	752.36
26 28 16 16-0331	EA		600 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	23,270.98	1,086.75
26 28 16 16-0332			Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches ^(26 28 16 16-0288)		
26 28 16 16-0333			240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches ^(26 28 16 16-0332)		
26 28 16 16-0334	EA		30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,713.34	117.37
26 28 16 16-0335	EA		60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,083.46	163.26
26 28 16 16-0336	EA		100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,933.55	187.80
26 28 16 16-0337	EA		200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,453.79	300.00
26 28 16 16-0338	EA		400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	9,933.49	499.54
26 28 16 16-0339	EA		600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	14,230.56	680.52

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 28 16 16-0340		600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0332)		
26 28 16 16-0341	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,948.85	129.47
26 28 16 16-0342	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,373.93	183.10
26 28 16 16-0343	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,483.55	208.69
26 28 16 16-0344	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,199.33	326.06
26 28 16 16-0345	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	11,284.01	536.62
26 28 16 16-0346	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	16,210.52	751.18
26 28 16 16-0347		240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0332)		
26 28 16 16-0348	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,784.25	152.82
26 28 16 16-0349	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,154.16	212.68
26 28 16 16-0350	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,245.89	244.49
26 28 16 16-0351	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,340.42	391.20
26 28 16 16-0352	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,157.87	652.12
26 28 16 16-0353	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	15,071.71	889.21
26 28 16 16-0354		600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0332)		
26 28 16 16-0355	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,027.10	168.66
26 28 16 16-0356	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,484.94	238.61
26 28 16 16-0357	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,609.60	271.72
26 28 16 16-0358	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,397.64	425.24
26 28 16 16-0359	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	12,788.25	698.59
26 28 16 16-0360	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	17,148.60	978.06
26 28 16 16-0361		240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0332)		
26 28 16 16-0362	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,459.15	152.82
26 28 16 16-0363	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,945.77	212.68
26 28 16 16-0364	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,652.00	244.49
26 28 16 16-0365	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	10,145.79	391.20
26 28 16 16-0366		600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0332)		
26 28 16 16-0367	EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,798.41	168.66
26 28 16 16-0368	EA	60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,357.71	238.61
26 28 16 16-0369	EA	100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,586.77	271.72
26 28 16 16-0370	EA	200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	11,551.43	425.24
26 28 16 16-0371		Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0288)		
26 28 16 16-0372		600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0371)		
26 28 16 16-0373	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,253.62	203.64
26 28 16 16-0374	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,704.81	271.72

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0375	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,677.36	305.76
26 28 16 16-0376	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	8,684.73	465.96
26 28 16 16-0377		600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0371)		
26 28 16 16-0378	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,048.97	168.42
26 28 16 16-0379	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,490.85	238.86
26 28 16 16-0380	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,314.05	271.72
26 28 16 16-0381	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	8,577.11	425.47
26 28 16 16-0382		Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0288)		
26 28 16 16-0383		600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0382)		
26 28 16 16-0384	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,723.31	203.64
26 28 16 16-0385	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,230.39	271.72
26 28 16 16-0386	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,671.30	305.76
26 28 16 16-0387		600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0382)		
26 28 16 16-0388	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,493.38	168.42
26 28 16 16-0389	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,988.48	238.86
26 28 16 16-0390	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,268.06	271.72
26 28 16 16-0391		NEMA 7 Or 9 Enclosures, Neutral Kit, Safety Switches (26 28 16 16-0001) Note: Class 1, groups C and D, division 1 or 2, NEMA 7; Class 2, groups E, F and G, division 1 or 2, NEMA 9; or Class 3, division 1 Or 2, NEMA 9, hazardous locations as defined in NEC article 500.		
26 28 16 16-0392		Heavy-Duty Fusible, NEMA 7 Or 9 Enclosures, Neutral Kit, Safety Switches (26 28 16 16-0391) Note: With fuses and neutral bar.		
26 28 16 16-0393	EA	30 Amperes, 240 Volt, 3 Phase, Heavy-Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	2,937.44	234.75
26 28 16 16-0394	EA	60 Amperes, 240 Volt, 3 Phase, Heavy-Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	3,315.52	279.47
26 28 16 16-0395	EA	100 Amperes, 240 Volt, 3 Phase, Heavy-Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	3,676.27	315.50
26 28 16 16-0396	EA	200 Amperes, 240 Volt, 3 Phase, Heavy-Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	7,819.07	489.09
26 28 16 16-0397		Heavy-Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0391)		
26 28 16 16-0398	EA	60 Amperes, 240 Volt, 3 Phase, Heavy-Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	2,271.90	279.47
26 28 16 16-0399	EA	100 Amperes, 240 Volt, 3 Phase, Heavy-Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	2,659.91	315.50
26 28 16 16-0400	EA	200 Amperes, 240 Volt, 3 Phase, Heavy-Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	4,899.05	489.09
26 28 16 16-0401		NEMA 12 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0001)		
26 28 16 16-0402		Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0401) Note: With fuses and neutral bar.		
26 28 16 16-0403		240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0402)		
26 28 16 16-0404	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	644.49	117.37
26 28 16 16-0405	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	842.81	141.43
26 28 16 16-0406	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,152.82	165.50
26 28 16 16-0407	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,946.20	260.56
26 28 16 16-0408	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	4,168.53	404.93
26 28 16 16-0409	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	7,539.57	598.60
26 28 16 16-0410		600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0402)		
26 28 16 16-0411	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,017.38	130.29

26	26	Electrical
	26 20	Low-Voltage Electrical Distribution
	26 28	Low-Voltage Circuit Protective Devices



MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
26 28 16 16-0412	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,046.72		157.28
26 28 16 16-0413	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,512.02		183.69
26 28 16 16-0414	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,365.34		289.91
26 28 16 16-0415	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	5,179.11		449.54
26 28 16 16-0416	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	10,268.00		664.92
26 28 16 16-0417		240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0402)			
26 28 16 16-0418	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	893.55		184.27
26 28 16 16-0419	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,238.89		244.72
26 28 16 16-0420	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,697.50		271.72
26 28 16 16-0421	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,520.91		425.47
26 28 16 16-0422	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	4,962.12		698.36
26 28 16 16-0423	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	7,980.78		978.29
26 28 16 16-0424		600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0402)			
26 28 16 16-0425	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,194.36		203.64
26 28 16 16-0426	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,348.36		271.72
26 28 16 16-0427	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,997.30		305.76
26 28 16 16-0428	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,904.60		465.96
26 28 16 16-0429	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	6,110.61		752.36
26 28 16 16-0430	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	11,530.52		1,086.87
26 28 16 16-0431		240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0402)			
26 28 16 16-0432	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	956.18		184.27
26 28 16 16-0433	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,281.92		244.72
26 28 16 16-0434	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,832.54		271.72
26 28 16 16-0435	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,690.45		425.47
26 28 16 16-0436	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	5,416.07		698.36
26 28 16 16-0437	EA	600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	8,287.45		978.29
26 28 16 16-0438		600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0402)			
26 28 16 16-0439	EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,266.97		203.64
26 28 16 16-0440	EA	60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,542.04		271.72
26 28 16 16-0441	EA	100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,130.47		305.76
26 28 16 16-0442	EA	200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	3,158.79		465.96
26 28 16 16-0443	EA	400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	6,522.17		752.36
26 28 16 16-0444	EA	600 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	11,869.44		1,086.87
26 28 16 16-0445		Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0401)			
26 28 16 16-0446		240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0445)			
26 28 16 16-0447	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	674.97		169.61
26 28 16 16-0448	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	894.24		236.51

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0449	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,188.94	271.72
26 28 16 16-0450	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,692.08	434.86
26 28 16 16-0451	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	3,739.36	724.77
26 28 16 16-0452	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	5,933.82	988.28
26 28 16 16-0453		600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0445)		
26 28 16 16-0454	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	752.49	187.21
26 28 16 16-0455	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	993.71	265.27
26 28 16 16-0456	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,325.21	301.65
26 28 16 16-0457	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,838.46	472.42
26 28 16 16-0458	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	3,958.55	776.42
26 28 16 16-0459	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	6,556.18	1,086.87
26 28 16 16-0460		240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0445)		
26 28 16 16-0461	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	869.07	152.59
26 28 16 16-0462	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,141.83	212.44
26 28 16 16-0463	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,525.62	244.72
26 28 16 16-0464	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	2,171.88	391.43
26 28 16 16-0465	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	4,598.46	652.00
26 28 16 16-0466	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	7,275.75	889.10
26 28 16 16-0467		600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0445)		
26 28 16 16-0468	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	848.11	168.42
26 28 16 16-0469	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,233.67	238.86
26 28 16 16-0470	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,632.82	271.72
26 28 16 16-0471	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	2,139.67	425.47
26 28 16 16-0472	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	4,611.10	698.36
26 28 16 16-0473	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	8,674.35	978.29
26 28 16 16-0474		240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0445)		
26 28 16 16-0475	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,048.24	152.59
26 28 16 16-0476	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,243.73	212.44
26 28 16 16-0477	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,943.05	244.72
26 28 16 16-0478	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	3,080.70	391.43
26 28 16 16-0479	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	5,600.92	498.83
26 28 16 16-0480		600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0445)		
26 28 16 16-0481	EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,087.78	168.42
26 28 16 16-0482	EA	60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,354.72	238.86
26 28 16 16-0483	EA	100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	2,074.64	271.72
26 28 16 16-0484	EA	200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	3,162.51	425.47
26 28 16 16-0485	EA	400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	5,941.40	657.28

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 28 16 16-0486		Double Throw Safety Switches (26 28 16 16-0001)		
26 28 16 16-0487		NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0486)		
26 28 16 16-0488		240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0487)		
26 28 16 16-0489	EA	30 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	808.63	150.82
26 28 16 16-0490	EA	60 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,197.28	197.19
26 28 16 16-0491	EA	100 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,681.38	257.63
26 28 16 16-0492	EA	200 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,243.02	335.09
26 28 16 16-0493	EA	400 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	5,453.42	419.02
26 28 16 16-0494	EA	600 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	9,931.06	671.95
26 28 16 16-0495	EA	800 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	11,374.64	938.97
26 28 16 16-0496	EA	1,000 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	16,797.75	1,056.35
26 28 16 16-0497	EA	1,200 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	19,800.14	1,173.72
26 28 16 16-0498		240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0487)		
26 28 16 16-0499	EA	30 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,018.16	211.27
26 28 16 16-0500	EA	60 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,423.26	275.83
26 28 16 16-0501	EA	100 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,148.23	360.92
26 28 16 16-0502	EA	200 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	3,161.01	469.49
26 28 16 16-0503	EA	400 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	7,513.76	586.86
26 28 16 16-0504	EA	600 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	10,471.85	938.97
26 28 16 16-0505	EA	800 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	12,263.38	1,056.35
26 28 16 16-0506	EA	1,000 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	17,575.82	1,173.72
26 28 16 16-0507	EA	1,200 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	20,848.60	1,291.10
26 28 16 16-0508		240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0487)		
26 28 16 16-0509	EA	30 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,354.63	264.08
26 28 16 16-0510	EA	60 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,974.99	345.08
26 28 16 16-0511	EA	100 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	3,522.18	450.71
26 28 16 16-0512	EA	200 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	4,828.08	585.69
26 28 16 16-0513	EA	400 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	9,778.06	733.57
26 28 16 16-0514	EA	600 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	12,344.77	1,175.48
26 28 16 16-0515	EA	800 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	15,644.90	1,291.10
26 28 16 16-0516	EA	1,000 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	20,851.14	1,349.78
26 28 16 16-0517	EA	1,200 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	23,399.45	1,408.47
26 28 16 16-0518		600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0487)		
26 28 16 16-0519	EA	60 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,386.05	197.19
26 28 16 16-0520	EA	100 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,088.41	257.63
26 28 16 16-0521	EA	200 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	3,083.18	335.09
26 28 16 16-0522	EA	400 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	7,310.86	419.02
26 28 16 16-0523	EA	600 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	10,800.68	671.95
26 28 16 16-0524	EA	800 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	12,324.35	938.97
26 28 16 16-0525	EA	1,000 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	18,266.25	1,056.35
26 28 16 16-0526	EA	1,200 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	21,545.41	1,173.72
26 28 16 16-0527		600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0487)		
26 28 16 16-0528	EA	60 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,543.14	275.83
26 28 16 16-0529	EA	100 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,294.35	360.92
26 28 16 16-0530	EA	200 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	3,350.84	469.49
26 28 16 16-0531	EA	400 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	7,646.27	586.86
26 28 16 16-0532	EA	600 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	11,336.42	938.97
26 28 16 16-0533	EA	800 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	13,278.45	1,056.35
26 28 16 16-0534	EA	1,000 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	18,300.98	1,173.72
26 28 16 16-0535	EA	1,200 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	22,675.25	1,291.10
26 28 16 16-0536		600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0487)		
26 28 16 16-0537	EA	60 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,093.10	345.08
26 28 16 16-0538	EA	100 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	3,693.17	450.71
26 28 16 16-0539	EA	200 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	5,180.98	585.69
26 28 16 16-0540	EA	400 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	10,530.60	733.57
26 28 16 16-0541	EA	600 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	13,187.82	1,175.48

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0542	EA	800 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	16,951.18	1,291.10
26 28 16 16-0543	EA	1,000 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	22,666.30	1,349.78
26 28 16 16-0544	EA	1,200 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	25,457.70	1,408.47
26 28 16 16-0545		NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0486)		
26 28 16 16-0546		240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0545)		
26 28 16 16-0547	EA	100 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	2,109.32	257.63
26 28 16 16-0548	EA	200 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	4,869.68	335.09
26 28 16 16-0549	EA	400 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	16,034.57	419.02
26 28 16 16-0550	EA	600 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	27,622.86	671.95
26 28 16 16-0551		240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0545)		
26 28 16 16-0552	EA	100 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	2,761.90	360.33
26 28 16 16-0553	EA	200 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	4,473.27	468.90
26 28 16 16-0554	EA	400 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	16,513.17	586.86
26 28 16 16-0555	EA	600 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	17,907.93	940.74
26 28 16 16-0556		240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0545)		
26 28 16 16-0557	EA	30 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	2,672.39	264.20
26 28 16 16-0558	EA	60 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	3,311.72	344.84
26 28 16 16-0559	EA	100 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	4,648.14	450.59
26 28 16 16-0560	EA	200 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	6,729.77	585.92
26 28 16 16-0561	EA	400 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	11,459.90	733.57
26 28 16 16-0562	EA	600 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	13,328.74	1,175.60
26 28 16 16-0563		600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0545)		
26 28 16 16-0564	EA	60 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	1,791.64	197.19
26 28 16 16-0565	EA	100 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	2,732.29	257.63
26 28 16 16-0566	EA	200 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	4,990.60	335.09
26 28 16 16-0567	EA	400 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	9,630.90	419.02
26 28 16 16-0568	EA	600 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	12,856.31	671.95
26 28 16 16-0569		600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0545)		
26 28 16 16-0570	EA	60 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	2,023.06	275.83
26 28 16 16-0571	EA	100 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	3,055.19	360.33
26 28 16 16-0572	EA	200 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	5,485.60	468.90
26 28 16 16-0573	EA	400 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	10,429.12	586.86
26 28 16 16-0574	EA	600 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	13,997.21	940.74
26 28 16 16-0575		600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0545)		
26 28 16 16-0576	EA	60 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	3,339.09	344.84
26 28 16 16-0577	EA	100 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	4,660.69	450.59
26 28 16 16-0578	EA	200 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	6,904.04	585.92
26 28 16 16-0579	EA	400 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	11,439.33	733.57
26 28 16 16-0580	EA	600 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	13,442.16	1,175.60
26 28 16 16-0581		NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0486)		
26 28 16 16-0582		240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0581)		
26 28 16 16-0583	EA	30 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,146.23	150.94
26 28 16 16-0584	EA	60 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,427.87	197.07
26 28 16 16-0585	EA	100 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,742.89	257.52
26 28 16 16-0586	EA	200 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,773.06	334.86
26 28 16 16-0587	EA	400 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	7,075.68	419.14
26 28 16 16-0588	EA	600 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	10,369.26	671.72
26 28 16 16-0589		240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0581)		
26 28 16 16-0590	EA	30 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,461.60	211.27
26 28 16 16-0591	EA	60 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,908.42	275.83
26 28 16 16-0592	EA	100 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,447.31	360.33
26 28 16 16-0593	EA	200 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	4,810.57	468.90
26 28 16 16-0594	EA	400 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	8,801.52	586.86
26 28 16 16-0595	EA	600 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	11,609.72	940.74

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 28 16 16-0596	240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0581)		
26 28 16 16-0597	EA	30 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,684.26 264.20
26 28 16 16-0598	EA	60 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	4,306.12 344.84
26 28 16 16-0599	EA	100 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	5,906.61 450.59
26 28 16 16-0600	EA	200 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	8,026.88 585.92
26 28 16 16-0601	EA	400 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch ...	14,903.40 733.57
26 28 16 16-0602	EA	600 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch ...	18,484.46 1,175.60
26 28 16 16-0603	600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0581)		
26 28 16 16-0604	EA	60 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,210.89 197.07
26 28 16 16-0605	EA	100 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,370.13 257.52
26 28 16 16-0606	EA	200 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	6,408.68 334.86
26 28 16 16-0607	EA	400 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	9,256.23 419.14
26 28 16 16-0608	EA	600 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch ...	12,414.88 671.72
26 28 16 16-0609	600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0581)		
26 28 16 16-0610	EA	60 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,516.76 275.83
26 28 16 16-0611	EA	100 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,726.48 360.33
26 28 16 16-0612	EA	200 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	6,978.10 468.90
26 28 16 16-0613	EA	400 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch ...	10,034.37 586.86
26 28 16 16-0614	EA	600 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch ...	13,532.07 940.74
26 28 16 16-0615	600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0581)		
26 28 16 16-0616	EA	60 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	4,350.73 344.84
26 28 16 16-0617	EA	100 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	6,235.67 450.59
26 28 16 16-0618	EA	200 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	8,220.84 585.92
26 28 16 16-0619	EA	400 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch ...	15,320.88 733.57
26 28 16 16-0620	EA	600 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch ...	19,037.82 1,175.60
26 28 16 16-0621	Removal And Reinstallation Of Disconnect Switches (26 28 16 16-0001) Note: Includes storage and cleaning.		
26 28 16 16-0622	EA	Removal And Reinstallation Of Up To 100 Amperes Safety Disconnect Switch	586.86
26 28 16 16-0623	EA	Removal And Reinstallation Of >100 To 200 Amperes Safety Disconnect Switch	762.95
26 28 16 16-0624	EA	Removal And Reinstallation Of >200 To 300 Amperes Safety Disconnect Switch	851.01
26 28 16 16-0625	EA	Removal And Reinstallation Of >300 To 400 Amperes Safety Disconnect Switch	997.73
26 28 16 16-0626	Bolted Contact Switches (26 28 16 16) Note: Work includes mounting, material handling, uploading at job site and termination of all conductors entering and leaving the switch.		
26 28 16 16-0627	Electrical Trip, Bolted Contact Switches (26 28 16 16-0626)		
26 28 16 16-0628	Top Feed, Electrical Trip, Bolted Contact Switches (26 28 16 16-0627)		
26 28 16 16-0629	EA	800 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB0833T120480)	10,240.75 1,173.72
26 28 16 16-0630	EA	1,200 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1233T120480)	11,048.89 1,408.47
26 28 16 16-0631	EA	1,600 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1633T120480)	11,993.80 1,643.21
26 28 16 16-0632	EA	2,000 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2033T120480)	12,626.11 1,877.96
26 28 16 16-0633	EA	2,500 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2533T120480)	14,261.37 2,112.70
26 28 16 16-0634	EA	3,000 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB3033T120480)	17,967.62 2,347.45
26 28 16 16-0635	EA	4,000 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB4033T120480)	24,312.08 2,816.93
26 28 16 16-0636	Bottom Feed, Electrical Trip, Bolted Contact Switches (26 28 16 16-0627)		
26 28 16 16-0637	EA	800 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB0833B120480)	10,872.48 1,173.72
26 28 16 16-0638	EA	1,200 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1233B120480)	11,804.35 1,408.47
26 28 16 16-0639	EA	1,600 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1633B120480)	12,742.75 1,643.21
26 28 16 16-0640	EA	2,000 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2033B120480)	13,700.69 1,877.96
26 28 16 16-0641	EA	2,500 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2533B120480)	15,420.61 2,112.70
26 28 16 16-0642	EA	3,000 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB3033B120480)	20,142.84 2,347.45
26 28 16 16-0643	EA	4,000 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB4033B120480)	26,578.47 2,816.93
26 28 16 16-0644	Manually Operated, Bolted Contact Switches (26 28 16 16-0626)		
26 28 16 16-0645	Top Feed, Manually Operated, Bolted Contact Switches (26 28 16 16-0644)		
26 28 16 16-0646	EA	800 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA0833T480)	7,401.25 1,173.72
26 28 16 16-0647	EA	1,200 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA1233T480)	8,243.25 1,408.47
26 28 16 16-0648	EA	1,600 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA1633T480)	9,138.66 1,643.21
26 28 16 16-0649	EA	2,000 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA2033T480)	10,026.27 1,877.96
26 28 16 16-0650	EA	2,500 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA2533T480)	10,979.00 2,112.70
26 28 16 16-0651	EA	3,000 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA3033T480)	14,685.26 2,347.45
26 28 16 16-0652	EA	4,000 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA4033T480)	20,951.56 2,816.93

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 28 16 16-0653		Bottom Feed, Manually Operated, Bolted Contact Switches (26 28 16 16-0644)		
26 28 16 16-0654	EA	800 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA0833B480).....	7,819.36	1,173.72
26 28 16 16-0655	EA	1,200 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA1233B480).....	8,874.97	1,408.47
26 28 16 16-0656	EA	1,600 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA1633B480).....	9,750.85	1,643.21
26 28 16 16-0657	EA	2,000 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA2033B480).....	10,835.13	1,877.96
26 28 16 16-0658	EA	2,500 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA2533B480).....	11,994.97	2,112.70
26 28 16 16-0659	EA	3,000 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA3033B480).....	16,697.66	2,347.45
26 28 16 16-0660	EA	4,000 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA4033B480).....	23,061.65	2,816.93

26 29 Low-Voltage Controllers (26 20)

26 29 13 Enclosed Controllers (26 29)

26 29 13 13 Across-The-Line Motor Controllers (26 29 13)

26 29 13 13-0001 Manual Motor Starters (26 29 13 13)

26 29 13 13-0002 Fractional HP Manual Motor Starters (26 29 13 13-0001)

26 29 13 13-0003	EA	NEMA 1, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG1).....	228.63	58.78
		For Flush Cover Plate In Lieu Of NEMA 1, Deduct	-3.08	
		For Oversized Enclosure, Add	30.99	
		For Pilot Light, Add	45.45	
26 29 13 13-0004	EA	NEMA 1, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG2).....	299.56	76.42
		For Flush Cover Plate In Lieu Of NEMA 1, Deduct	-3.08	
		For Oversized Enclosure, Add	30.99	
		For Pilot Light, Add	45.45	
26 29 13 13-0005	EA	NEMA 1, 1 Pole, Key Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG3).....	259.62	58.78
		For Flush Cover Plate In Lieu Of NEMA 1, Deduct	-3.08	
		For Oversized Enclosure, Add	30.99	
		For Pilot Light, Add	45.45	
26 29 13 13-0006	EA	NEMA 1, 2 Pole, Key Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG4).....	330.55	76.42
		For Flush Cover Plate In Lieu Of NEMA 1, Deduct	-3.08	
		For Oversized Enclosure, Add	30.99	
		For Pilot Light, Add	45.45	
26 29 13 13-0007	EA	NEMA 1, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG5).....	242.06	58.78
		For Oversized Enclosure, Add	30.99	
26 29 13 13-0008	EA	NEMA 1, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG6).....	317.12	76.42
		For Oversized Enclosure, Add	30.99	
26 29 13 13-0009	EA	NEMA 4, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FW1).....	493.87	70.54
		For Pilot Light, Add	118.80	
26 29 13 13-0010	EA	NEMA 4, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FW2).....	567.89	88.18
		For Pilot Light, Add	118.80	
26 29 13 13-0011	EA	NEMA 3R, 7 And 9, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FR1).....	524.86	70.54
26 29 13 13-0012	EA	NEMA 3R, 7 And 9, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FR2).....	595.78	88.18

26 29 13 13-0013 Non-Reversing Manual Motor Starters (26 29 13 13-0001)

26 29 13 13-0014	EA	NEMA 1, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG1).....	183.36	58.78
		Note: NEMA 1 or flush cover plate installation.		
		For Oversize Enclosure, Add	14.95	
		For Pilot Light, Add	71.77	
26 29 13 13-0015	EA	NEMA 1, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG2).....	301.37	76.42
		Note: NEMA 1 or flush cover plate installation.		
		For Oversize Enclosure, Add	14.95	
		For Pilot Light, Add	71.77	
26 29 13 13-0016	EA	NEMA 1, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG5).....	207.07	64.67
		Note: NEMA 1 or flush cover plate installation.		
		For Oversize Enclosure, Add	14.95	
		For Pilot Light, Add	71.77	
26 29 13 13-0017	EA	NEMA 1, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG6).....	326.08	82.30
		Note: NEMA 1 or flush cover plate installation.		
		For Oversize Enclosure, Add	14.95	
		For Pilot Light, Add	71.77	
26 29 13 13-0018	EA	NEMA 1, Non-Reversing, 2 Pole, Key Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG3).....	212.26	58.78
		Note: NEMA 1 or flush cover plate installation.		
		For Oversize Enclosure, Add	14.95	
		For Pilot Light, Add	71.77	
26 29 13 13-0019	EA	NEMA 1, Non-Reversing, 3 Pole, Key Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG4).....	331.27	76.42
		Note: NEMA 1 or flush cover plate installation.		
		For Oversize Enclosure, Add	14.95	
		For Pilot Light, Add	71.77	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 29 13 13-0020	EA	NEMA 4, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW1).....	454.07	70.54
		<i>For Pilot Light, Add</i>	113.63	
26 29 13 13-0021	EA	NEMA 4, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW2).....	561.11	88.18
		<i>For Pilot Light, Add</i>	113.63	
26 29 13 13-0022	EA	NEMA 4, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW5).....	478.79	76.42
		<i>For Pilot Light, Add</i>	113.63	
26 29 13 13-0023	EA	NEMA 4, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW6).....	582.84	94.05
		<i>For Pilot Light, Add</i>	113.63	
26 29 13 13-0024	EA	NEMA 3R, 7 And 9, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KR1).....	481.98	70.54
26 29 13 13-0025	EA	NEMA 3R, 7 And 9, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KR2).....	596.99	88.18
26 29 13 13-0026	EA	Open Type, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO1).....	134.13	41.15
		<i>For Pilot Light, Add</i>	71.77	
26 29 13 13-0027	EA	Open Type, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO2).....	252.13	58.78
		<i>For Pilot Light, Add</i>	71.77	
26 29 13 13-0028	EA	Open Type, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO5).....	157.84	47.03
		<i>For Pilot Light, Add</i>	71.77	
26 29 13 13-0029	EA	Open Type, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO6).....	275.84	64.67
		<i>For Pilot Light, Add</i>	71.77	

26 29 13 13-0030 Reversing Manual Motor Starters (26 29 13 13-0001)

26 29 13 13-0031	EA	NEMA 1, Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2511KG11).....	497.70	105.81
		<i>For Pilot Light, Add</i>	115.62	
26 29 13 13-0032	EA	NEMA 1, Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2511KG22).....	721.74	141.09
		<i>For Pilot Light, Add</i>	115.62	

26 29 13 13-0033 Two Speed Manual Motor Starters (26 29 13 13-0001)

26 29 13 13-0034	EA	NEMA 1, Two Speed, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2512KG11).....	497.70	105.81
26 29 13 13-0035	EA	NEMA 1, Two Speed, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2512KG22).....	721.74	141.09

26 29 13 13-0036 Non-Reversing Integral HP Manual Motor Starters (26 29 13 13-0001)

26 29 13 13-0037	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBG1).....	458.24	70.54
26 29 13 13-0038	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510TBG1).....	458.24	70.54
26 29 13 13-0039	EA	NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW11).....	952.81	82.30
26 29 13 13-0040	EA	NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW1).....	952.81	82.30
26 29 13 13-0041	EA	NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBR1).....	1,246.18	82.30
26 29 13 13-0042	EA	Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBA1).....	584.02	82.30
26 29 13 13-0043	EA	Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBO1).....	391.97	52.91
26 29 13 13-0044	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG1).....	544.38	76.42
26 29 13 13-0045	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG1).....	544.38	76.42
26 29 13 13-0046	EA	NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW11).....	1,141.21	88.18
26 29 13 13-0047	EA	NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW1).....	1,141.21	88.18
26 29 13 13-0048	EA	NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR1).....	1,457.31	88.18
26 29 13 13-0049	EA	Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA1).....	670.16	88.18
26 29 13 13-0050	EA	Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO1).....	478.11	58.78
26 29 13 13-0051	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG2).....	716.25	82.30
26 29 13 13-0052	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG2).....	716.25	82.30
26 29 13 13-0053	EA	NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW12).....	1,357.51	94.05
26 29 13 13-0054	EA	NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW2).....	1,357.51	94.05
26 29 13 13-0055	EA	NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR2).....	1,660.18	94.05
26 29 13 13-0056	EA	Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA2).....	845.13	94.05

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0057	EA	Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO2).....	653.07	64.67
26 29 13 13-0058	EA	NEMA 1, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBG2).....	567.38	88.18
26 29 13 13-0059	EA	NEMA 1, Non-Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510TBG2).....	567.38	88.18
26 29 13 13-0060	EA	NEMA 4, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW12).....	1,061.94	99.94
26 29 13 13-0061	EA	NEMA 4X, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW2).....	1,061.94	99.94
26 29 13 13-0062	EA	NEMA 7 And 9, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBR2).....	1,363.58	99.94
26 29 13 13-0063	EA	Type 12, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBA2).....	694.19	99.94
26 29 13 13-0064	EA	Open, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBO2).....	504.22	70.54
26 29 13 13-0065	EA	NEMA 1, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG3).....	653.52	94.05
26 29 13 13-0066	EA	NEMA 1, Non-Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG3).....	653.52	94.05
26 29 13 13-0067	EA	NEMA 4, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW13).....	1,250.35	105.81
26 29 13 13-0068	EA	NEMA 4X, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW3).....	1,250.35	105.81
26 29 13 13-0069	EA	NEMA 7 And 9, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR3).....	1,573.68	105.81
26 29 13 13-0070	EA	Type 12, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA3).....	779.30	105.81
26 29 13 13-0071	EA	Open, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO3).....	587.26	76.42
26 29 13 13-0072		Reversing Integral HP Manual Motor Starters (26 29 13 13-0001)		
26 29 13 13-0073	EA	NEMA 1, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511MBG1).....	1,330.04	123.45
26 29 13 13-0074	EA	NEMA 1, Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511TBG1).....	1,330.04	123.45
26 29 13 13-0075	EA	Open, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511MBO1).....	1,171.69	88.18
26 29 13 13-0076	EA	NEMA 1, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2511MCG1).....	1,573.58	135.21
26 29 13 13-0077	EA	Open, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2511MCO1).....	1,415.23	99.94
26 29 13 13-0078		Two Speed Integral HP Manual Motor Starters (26 29 13 13-0001)		
26 29 13 13-0079	EA	NEMA 1, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2512MBG1).....	1,330.04	123.45
26 29 13 13-0080	EA	Open, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2512MBO1).....	1,171.69	88.18
26 29 13 13-0081	EA	NEMA 1, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2512MCG1).....	1,573.58	135.21
26 29 13 13-0082	EA	Open, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2512MCO1).....	1,415.23	99.94
26 29 13 13-0083		Magnetic Motor Starters (26 29 13 13)		
26 29 13 13-0084		Non-Reversing, Magnetic Contactors (26 29 13 13-0083)		
26 29 13 13-0085		Open Enclosure, Non-Reversing, Magnetic Contactors (26 29 13 13-0084)		
26 29 13 13-0086	EA	Size 00, 1 Phase, 2 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SAO11).....	531.61	117.57
		For Factory Installed Accessory, Deduct.....	-235.14	
26 29 13 13-0087	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SAO12).....	598.52	129.32
		For Factory Installed Accessory, Deduct.....	-258.66	
26 29 13 13-0088	EA	Size 0, 1 Phase, 1 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBO5).....	575.00	117.57
		For Factory Installed Accessory, Deduct.....	-235.14	
26 29 13 13-0089	EA	Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBO1).....	642.94	129.32
		For Factory Installed Accessory, Deduct.....	-258.66	
26 29 13 13-0090	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBO2).....	709.84	141.09
		For Factory Installed Accessory, Deduct.....	-282.17	
26 29 13 13-0091	EA	Size 0, 3 Phase, 4 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBO3).....	897.11	176.36
		For Factory Installed Accessory, Deduct.....	-352.71	
26 29 13 13-0092	EA	Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBO4).....	1,129.84	211.63
		For Factory Installed Accessory, Deduct.....	-423.26	
26 29 13 13-0093	EA	Size 1, 1 Phase, 1 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCO5).....	670.83	129.32
		For Factory Installed Accessory, Deduct.....	-258.66	
26 29 13 13-0094	EA	Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCO1).....	737.73	141.09
		For Factory Installed Accessory, Deduct.....	-282.17	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 29 13 13-0095	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCO2).....	806.69	152.85
		<i>For Factory Installed Accessory, Deduct</i>	-305.68	
26 29 13 13-0096	EA	Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCO3).....	1,030.27	205.75
		<i>For Factory Installed Accessory, Deduct</i>	-411.50	
26 29 13 13-0097	EA	Size 1, 3 Phase, 5 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCO4).....	1,261.96	241.02
		<i>For Factory Installed Accessory, Deduct</i>	-482.04	
26 29 13 13-0098	EA	Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDO1).....	1,136.47	141.09
		<i>For Factory Installed Accessory, Deduct</i>	-282.17	
26 29 13 13-0099	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDO2).....	1,263.83	176.36
		<i>For Factory Installed Accessory, Deduct</i>	-352.71	
26 29 13 13-0100	EA	Size 2, 3 Phase, 4 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDO3).....	1,646.88	235.14
		<i>For Factory Installed Accessory, Deduct</i>	-470.28	
26 29 13 13-0101	EA	Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEO1).....	1,705.95	176.36
		<i>For Factory Installed Accessory, Deduct</i>	-352.71	
26 29 13 13-0102	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEO2).....	1,942.32	235.14
		<i>For Factory Installed Accessory, Deduct</i>	-470.28	
26 29 13 13-0103	EA	Size 3, 3 Phase, 4 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEO3).....	2,471.03	293.92
		<i>For Factory Installed Accessory, Deduct</i>	-587.85	
26 29 13 13-0104	EA	Size 3, 3 Phase, 5 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEO4).....	3,530.72	352.71
		<i>For Factory Installed Accessory, Deduct</i>	-705.43	
26 29 13 13-0105	EA	Size 4, 1 Phase, 2 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFO1).....	3,854.23	293.92
		<i>For Factory Installed Accessory, Deduct</i>	-587.85	
26 29 13 13-0106	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFO2).....	4,237.29	352.71
		<i>For Factory Installed Accessory, Deduct</i>	-705.43	
26 29 13 13-0107	EA	Size 4, 3 Phase, 4 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFO3).....	5,737.02	411.50
		<i>For Factory Installed Accessory, Deduct</i>	-822.99	
26 29 13 13-0108	EA	Size 5, 1 Phase, 2 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SGO1).....	7,783.62	352.71
		<i>For Factory Installed Accessory, Deduct</i>	-705.43	
26 29 13 13-0109	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SGO2).....	8,637.52	470.28
		<i>For Factory Installed Accessory, Deduct</i>	-940.56	
26 29 13 13-0110	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SHO2).....	22,421.25	705.43
		<i>For Factory Installed Accessory, Deduct</i>	-1,410.84	
26 29 13 13-0111	EA	Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SJO2).....	32,102.51	1,058.13
		<i>For Factory Installed Accessory, Deduct</i>	-2,116.27	

26 29 13 13-0112 NEMA 1, Non-Reversing, Magnetic Contactors (26 29 13 13-0084)

26 29 13 13-0113	EA	Size 00, 1 Phase, 2 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SAG11).....	563.64	117.57
		<i>For Factory Installed Accessory, Deduct</i>	-235.14	
26 29 13 13-0114	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SAG12).....	630.54	129.32
		<i>For Factory Installed Accessory, Deduct</i>	-258.66	
26 29 13 13-0115	EA	Size 0, 1 Phase, 1 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBG5).....	607.02	117.57
		<i>For Factory Installed Accessory, Deduct</i>	-235.14	
26 29 13 13-0116	EA	Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBG1).....	676.00	129.32
		<i>For Factory Installed Accessory, Deduct</i>	-258.66	
26 29 13 13-0117	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBG2).....	742.89	141.09
		<i>For Factory Installed Accessory, Deduct</i>	-282.17	
26 29 13 13-0118	EA	Size 0, 3 Phase, 4 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBG3).....	932.23	176.36
		<i>For Factory Installed Accessory, Deduct</i>	-352.71	
26 29 13 13-0119	EA	Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBG4).....	1,165.99	211.63
		<i>For Factory Installed Accessory, Deduct</i>	-423.26	
26 29 13 13-0120	EA	Size 1, 1 Phase, 1 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCG5).....	704.92	129.32
		<i>For Factory Installed Accessory, Deduct</i>	-258.66	
26 29 13 13-0121	EA	Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCG1).....	773.88	141.09
		<i>For Factory Installed Accessory, Deduct</i>	-282.17	
26 29 13 13-0122	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCG2).....	840.78	152.85
		<i>For Factory Installed Accessory, Deduct</i>	-305.68	
26 29 13 13-0123	EA	Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCG3).....	1,065.40	205.75
		<i>For Factory Installed Accessory, Deduct</i>	-411.50	
26 29 13 13-0124	EA	Size 1, 3 Phase, 5 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCG4).....	1,296.05	241.02
		<i>For Factory Installed Accessory, Deduct</i>	-482.04	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0125	EA		Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDG1).....	1,289.36	141.09
			<i>For Factory Installed Accessory, Deduct</i>	-282.17	
26 29 13 13-0126	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDG2).....	1,417.74	176.36
			<i>For Factory Installed Accessory, Deduct</i>	-352.71	
26 29 13 13-0127	EA		Size 2, 3 Phase, 4 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDG3).....	1,799.77	235.14
			<i>For Factory Installed Accessory, Deduct</i>	-470.28	
26 29 13 13-0128	EA		Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEG1).....	2,006.56	176.36
			<i>For Factory Installed Accessory, Deduct</i>	-352.71	
26 29 13 13-0129	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEG2).....	2,241.89	235.14
			<i>For Factory Installed Accessory, Deduct</i>	-470.28	
26 29 13 13-0130	EA		Size 3, 3 Phase, 4 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEG3).....	2,771.64	293.92
			<i>For Factory Installed Accessory, Deduct</i>	-587.85	
26 29 13 13-0131	EA		Size 4, 1 Phase, 2 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFG1).....	4,477.14	293.92
			<i>For Factory Installed Accessory, Deduct</i>	-587.85	
26 29 13 13-0132	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFG2).....	4,860.20	352.71
			<i>For Factory Installed Accessory, Deduct</i>	-705.43	
26 29 13 13-0133	EA		Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SGG2).....	9,772.80	470.28
			<i>For Factory Installed Accessory, Deduct</i>	-940.56	
26 29 13 13-0134	EA		Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SHG2).....	27,413.79	705.43
			<i>For Factory Installed Accessory, Deduct</i>	-1,410.84	
26 29 13 13-0135	EA		Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SJG2).....	37,109.52	1,058.13
			<i>For Factory Installed Accessory, Deduct</i>	-2,116.27	
26 29 13 13-0136			NEMA 12, Non-Reversing, Magnetic Contactors (26 29 13 13-0084)		
26 29 13 13-0137	EA		Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBA1).....	852.64	129.32
			<i>For Factory Installed Accessory, Deduct</i>	-258.66	
26 29 13 13-0138	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBA2).....	919.54	141.09
			<i>For Factory Installed Accessory, Deduct</i>	-282.17	
26 29 13 13-0139	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCA2).....	1,017.42	152.85
			<i>For Factory Installed Accessory, Deduct</i>	-305.68	
26 29 13 13-0140	EA		Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDA1).....	1,611.66	141.09
			<i>For Factory Installed Accessory, Deduct</i>	-282.17	
26 29 13 13-0141	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDA2).....	1,741.08	176.36
			<i>For Factory Installed Accessory, Deduct</i>	-352.71	
26 29 13 13-0142	EA		Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEA1).....	2,388.77	176.36
			<i>For Factory Installed Accessory, Deduct</i>	-352.71	
26 29 13 13-0143	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEA2).....	2,623.07	235.14
			<i>For Factory Installed Accessory, Deduct</i>	-470.28	
26 29 13 13-0144	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFA2).....	6,125.64	352.71
			<i>For Factory Installed Accessory, Deduct</i>	-705.43	
26 29 13 13-0145	EA		Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SGA2).....	13,011.29	470.28
			<i>For Factory Installed Accessory, Deduct</i>	-940.56	
26 29 13 13-0146	EA		Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SHA2).....	31,384.69	705.43
			<i>For Factory Installed Accessory, Deduct</i>	-1,410.84	
26 29 13 13-0147			NEMA 4/4X, Non-Reversing, Magnetic Contactors (26 29 13 13-0084)		
			Note: Brushed stainless steel enclosure.		
26 29 13 13-0148	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBW12).....	1,258.37	141.09
			<i>For Factory Installed Accessory, Deduct</i>	-282.17	
26 29 13 13-0149	EA		Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCW11).....	1,303.82	141.09
			<i>For Factory Installed Accessory, Deduct</i>	-282.17	
26 29 13 13-0150	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCW12).....	1,370.71	152.85
			<i>For Factory Installed Accessory, Deduct</i>	-305.68	
26 29 13 13-0151	EA		Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCW13).....	1,595.33	205.75
			<i>For Factory Installed Accessory, Deduct</i>	-411.50	
26 29 13 13-0152	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDW12).....	2,477.61	176.36
			<i>For Factory Installed Accessory, Deduct</i>	-352.71	
26 29 13 13-0153	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEW12).....	3,741.83	235.14
			<i>For Factory Installed Accessory, Deduct</i>	-470.28	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
26 29 13 13-0154	EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFW12) <i>For Factory Installed Accessory, Deduct</i>	7,421.03 -705.43		352.71	
26 29 13 13-0155	EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SGW12)..... <i>For Factory Installed Accessory, Deduct</i>	13,011.29 -940.56		470.28	
26 29 13 13-0156	EA Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SHW2)..... <i>For Factory Installed Accessory, Deduct</i>	34,768.83 -1,410.84		705.43	
26 29 13 13-0157 NEMA 7/9, Non-Reversing, Magnetic Contactors (26 29 13 13-0084)					
Note: Bolted cast iron enclosure.					
26 29 13 13-0158	EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 7/9 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBT2) <i>For Factory Installed Accessory, Deduct</i>	2,514.55 -376.22		188.12	
26 29 13 13-0159 Non-Reversing, Magnetic Starters (26 29 13 13-0083)					
26 29 13 13-0160 Open Enclosure, Non-Reversing, Magnetic Starters (26 29 13 13-0159)					
26 29 13 13-0161	EA Size 00, 1 Phase, 2 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SAO11) <i>For Factory Installed Accessory, Deduct</i>	633.88 -235.14		117.57	
26 29 13 13-0162	EA Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SAO12) <i>For Factory Installed Accessory, Deduct</i>	657.40 -258.66		129.32	
26 29 13 13-0163	EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBO1) <i>For Factory Installed Accessory, Deduct</i>	708.02 -258.66		129.32	
26 29 13 13-0164	EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBO2)..... <i>For Factory Installed Accessory, Deduct</i>	783.18 -282.17		141.09	
26 29 13 13-0165	EA Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBO4)..... <i>For Factory Installed Accessory, Deduct</i>	1,258.97 -423.26		211.63	
26 29 13 13-0166	EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCO1) <i>For Factory Installed Accessory, Deduct</i>	805.91 -282.17		141.09	
26 29 13 13-0167	EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCO3) <i>For Factory Installed Accessory, Deduct</i>	946.15 -305.68		152.85	
26 29 13 13-0168	EA Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCO2) <i>For Factory Installed Accessory, Deduct</i>	989.53 -305.68		152.85	
26 29 13 13-0169	EA Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDO6) <i>For Factory Installed Accessory, Deduct</i>	1,230.47 -282.17		141.09	
26 29 13 13-0170	EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDO1)..... <i>For Factory Installed Accessory, Deduct</i>	1,397.08 -352.71		176.36	
26 29 13 13-0171	EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEO1)..... <i>For Factory Installed Accessory, Deduct</i>	2,162.35 -470.28		235.14	
26 29 13 13-0172	EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFO1)..... <i>For Factory Installed Accessory, Deduct</i>	4,576.12 -705.43		352.71	
26 29 13 13-0173	EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SGO1) <i>For Factory Installed Accessory, Deduct</i>	10,394.68 -940.56		470.28	
26 29 13 13-0174	EA Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SHO2)..... <i>For Factory Installed Accessory, Deduct</i>	23,885.03 -1,410.84		705.43	
26 29 13 13-0175	EA Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SJO2) <i>For Factory Installed Accessory, Deduct</i>	34,408.19 -2,116.27		1,058.13	
26 29 13 13-0176 NEMA 1, Non-Reversing, Magnetic Starters (26 29 13 13-0159)					
26 29 13 13-0177	EA Size 00, 1 Phase, 2 Pole, .34 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SAG11)..... <i>For Factory Installed Accessory, Deduct</i>	667.97 -235.14		117.57	
26 29 13 13-0178	EA Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SAG12) <i>For Factory Installed Accessory, Deduct</i>	691.49 -258.66		129.32	
26 29 13 13-0179	EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBG1) <i>For Factory Installed Accessory, Deduct</i>	742.11 -258.66		129.32	
26 29 13 13-0180	EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBG2) <i>For Factory Installed Accessory, Deduct</i>	817.27 -282.17		141.09	
26 29 13 13-0181	EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCG1) <i>For Factory Installed Accessory, Deduct</i>	838.96 -282.17		141.09	
26 29 13 13-0182	EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCG3) <i>For Factory Installed Accessory, Deduct</i>	915.16 -305.68		152.85	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0183	EA		Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCG2).....	1,024.66	152.85
			<i>For Factory Installed Accessory, Deduct</i>	-305.68	
26 29 13 13-0184	EA		Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDG6).....	1,384.39	141.09
			<i>For Factory Installed Accessory, Deduct</i>	-282.17	
26 29 13 13-0185	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDG1).....	1,551.00	176.36
			<i>For Factory Installed Accessory, Deduct</i>	-352.71	
26 29 13 13-0186	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEG1).....	2,462.96	235.14
			<i>For Factory Installed Accessory, Deduct</i>	-470.28	
26 29 13 13-0187	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFG1).....	5,199.03	352.71
			<i>For Factory Installed Accessory, Deduct</i>	-705.43	
26 29 13 13-0188	EA		Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SGG1).....	11,533.05	470.28
			<i>For Factory Installed Accessory, Deduct</i>	-940.56	
26 29 13 13-0189			NEMA 12, Non-Reversing, Magnetic Starters (26 29 13 13-0159)		
26 29 13 13-0190	EA		Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBA1).....	918.75	129.32
			<i>For Factory Installed Accessory, Deduct</i>	-258.66	
26 29 13 13-0191	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBA2).....	993.91	141.09
			<i>For Factory Installed Accessory, Deduct</i>	-282.17	
26 29 13 13-0192	EA		Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCA1).....	1,015.61	141.09
			<i>For Factory Installed Accessory, Deduct</i>	-282.17	
26 29 13 13-0193	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCA3).....	1,091.80	152.85
			<i>For Factory Installed Accessory, Deduct</i>	-305.68	
26 29 13 13-0194	EA		Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCA2).....	1,201.30	152.85
			<i>For Factory Installed Accessory, Deduct</i>	-305.68	
26 29 13 13-0195	EA		Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDA6).....	1,707.73	141.09
			<i>For Factory Installed Accessory, Deduct</i>	-282.17	
26 29 13 13-0196	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDA1).....	1,873.30	176.36
			<i>For Factory Installed Accessory, Deduct</i>	-352.71	
26 29 13 13-0197	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEA1).....	2,844.14	235.14
			<i>For Factory Installed Accessory, Deduct</i>	-470.28	
26 29 13 13-0198	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFA1).....	6,463.43	352.71
			<i>For Factory Installed Accessory, Deduct</i>	-705.43	
26 29 13 13-0199	EA		Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SGA1).....	14,768.45	470.28
			<i>For Factory Installed Accessory, Deduct</i>	-940.56	
26 29 13 13-0200	EA		Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SHA2).....	35,218.19	705.43
			<i>For Factory Installed Accessory, Deduct</i>	-1,410.84	
26 29 13 13-0201			NEMA 3R, Non-Reversing, Magnetic Starters (26 29 13 13-0159)		
26 29 13 13-0202	EA		Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBH1).....	918.75	129.32
			<i>For Factory Installed Accessory, Deduct</i>	-258.66	
26 29 13 13-0203	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBH2).....	993.91	141.09
			<i>For Factory Installed Accessory, Deduct</i>	-282.17	
26 29 13 13-0204	EA		Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCH1).....	1,015.61	141.09
			<i>For Factory Installed Accessory, Deduct</i>	-282.17	
26 29 13 13-0205	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCH3).....	1,091.80	152.85
			<i>For Factory Installed Accessory, Deduct</i>	-305.68	
26 29 13 13-0206	EA		Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCH2).....	1,201.30	152.85
			<i>For Factory Installed Accessory, Deduct</i>	-305.68	
26 29 13 13-0207	EA		Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDH6).....	1,707.73	141.09
			<i>For Factory Installed Accessory, Deduct</i>	-282.17	
26 29 13 13-0208	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDH1).....	1,873.30	176.36
			<i>For Factory Installed Accessory, Deduct</i>	-352.71	
26 29 13 13-0209	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEH1).....	2,844.14	235.14
			<i>For Factory Installed Accessory, Deduct</i>	-470.28	
26 29 13 13-0210	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFH1).....	6,463.43	352.71
			<i>For Factory Installed Accessory, Deduct</i>	-705.43	
26 29 13 13-0211			NEMA 3R/4/4X/7/9, Non-Reversing, Magnetic Starters (26 29 13 13-0159)		
			Note: Bolted cast aluminum enclosure.		

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
26 29 13 13-0212	EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBT4).....	2,620.70		199.87	
	<i>For Factory Installed Accessory, Deduct</i>	-399.73			
26 29 13 13-0213	EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCR1).....	3,221.92		199.87	
	<i>For Factory Installed Accessory, Deduct</i>	-399.73			
26 29 13 13-0214	EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCR3).....	3,319.82		211.63	
	<i>For Factory Installed Accessory, Deduct</i>	-423.26			
26 29 13 13-0215	EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDR1).....	5,146.72		235.14	
	<i>For Factory Installed Accessory, Deduct</i>	-470.28			
26 29 13 13-0216	EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SET43).....	6,206.40		293.92	
	<i>For Factory Installed Accessory, Deduct</i>	-587.85			
26 29 13 13-0217	EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFT41).....	9,890.76		411.50	
	<i>For Factory Installed Accessory, Deduct</i>	-822.99			
26 29 13 13-0218	NEMA 4/4X, Non-Reversing, Magnetic Starters (26 29 13 13-0159) Note: Brushed stainless steel enclosure.				
26 29 13 13-0219	EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBW11).....	1,256.55		129.32	
	<i>For Factory Installed Accessory, Deduct</i>	-258.66			
26 29 13 13-0220	EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBW12).....	1,332.74		141.09	
	<i>For Factory Installed Accessory, Deduct</i>	-282.17			
26 29 13 13-0221	EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCW11).....	1,368.90		141.09	
	<i>For Factory Installed Accessory, Deduct</i>	-282.17			
26 29 13 13-0222	EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCW13).....	1,445.09		152.85	
	<i>For Factory Installed Accessory, Deduct</i>	-305.68			
26 29 13 13-0223	EA Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 7-1/2 HP At 460/575 Volt, 36 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCW12).....	1,554.59		152.85	
	<i>For Factory Installed Accessory, Deduct</i>	-305.68			
26 29 13 13-0224	EA Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDW16).....	2,442.20		141.09	
	<i>For Factory Installed Accessory, Deduct</i>	-282.17			
26 29 13 13-0225	EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEW11).....	3,961.86		235.14	
	<i>For Factory Installed Accessory, Deduct</i>	-470.28			
26 29 13 13-0226	EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFW11).....	7,757.80		352.71	
	<i>For Factory Installed Accessory, Deduct</i>	-705.43			
26 29 13 13-0227	EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SGW11).....	17,256.97		470.28	
	<i>For Factory Installed Accessory, Deduct</i>	-940.56			
26 29 13 13-0228	NEMA 4X, Non-Reversing, Magnetic Starters (26 29 13 13-0159) Note: Glass polyester enclosure.				
26 29 13 13-0229	EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDW21).....	2,610.87		176.36	
	<i>For Factory Installed Accessory, Deduct</i>	-352.71			
26 29 13 13-0230	EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEW21).....	4,835.78		235.14	
	<i>For Factory Installed Accessory, Deduct</i>	-470.28			
26 29 13 13-0231	EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFW21).....	9,522.18		352.71	
	<i>For Factory Installed Accessory, Deduct</i>	-705.43			
26 29 13 13-0232	NEMA 7/9, Non-Reversing, Magnetic Starters (26 29 13 13-0159) Note: Bolted cast iron enclosure.				
26 29 13 13-0233	EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBT1).....	2,536.25		188.12	
	<i>For Factory Installed Accessory, Deduct</i>	-376.22			
26 29 13 13-0234	EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBT2).....	2,620.70		199.87	
	<i>For Factory Installed Accessory, Deduct</i>	-399.73			
26 29 13 13-0235	EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCT1).....	2,657.89		199.87	
	<i>For Factory Installed Accessory, Deduct</i>	-399.73			
26 29 13 13-0236	EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCT3).....	2,738.24		211.63	
	<i>For Factory Installed Accessory, Deduct</i>	-423.26			
26 29 13 13-0237	EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 36 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCT2).....	2,864.26		211.63	
	<i>For Factory Installed Accessory, Deduct</i>	-423.26			
26 29 13 13-0238	EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDT1).....	4,212.88		235.14	
	<i>For Factory Installed Accessory, Deduct</i>	-470.28			
26 29 13 13-0239	Reversing, Magnetic Starters (26 29 13 13-0083)				
26 29 13 13-0240	Open Enclosure, Reversing, Magnetic Starters (26 29 13 13-0239)				

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0241	EA		Size 00, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAO13)	1,197.17	152.85
			<i>For Factory Installed Accessory, Deduct</i>	-305.68	
26 29 13 13-0242	EA		Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAO16)	1,262.25	152.85
			<i>For Factory Installed Accessory, Deduct</i>	-305.68	
26 29 13 13-0243	EA		Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO1)	1,397.32	164.60
			<i>For Factory Installed Accessory, Deduct</i>	-329.19	
26 29 13 13-0244	EA		Size 0, 1 Phase, 3 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO2)	1,449.77	176.36
			<i>For Factory Installed Accessory, Deduct</i>	-352.71	
26 29 13 13-0245	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO10)	1,485.92	176.36
			<i>For Factory Installed Accessory, Deduct</i>	-352.71	
26 29 13 13-0246	EA		Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO2)	1,590.01	188.12
			<i>For Factory Installed Accessory, Deduct</i>	-376.22	
26 29 13 13-0247	EA		Size 1, 1 Phase, 3 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO3)	1,656.28	205.75
			<i>For Factory Installed Accessory, Deduct</i>	-411.50	
26 29 13 13-0248	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO7)	1,693.47	205.75
			<i>For Factory Installed Accessory, Deduct</i>	-411.50	
26 29 13 13-0249	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDO1)	2,896.82	235.14
			<i>For Factory Installed Accessory, Deduct</i>	-470.28	
26 29 13 13-0250	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SEO1)	4,736.24	352.71
			<i>For Factory Installed Accessory, Deduct</i>	-705.43	
26 29 13 13-0251	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SFO1)	10,902.72	529.07
			<i>For Factory Installed Accessory, Deduct</i>	-1,058.13	
26 29 13 13-0252	EA		Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SGO1)	20,324.24	705.43
			<i>For Factory Installed Accessory, Deduct</i>	-1,410.84	
26 29 13 13-0253	EA		Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SJO1)	65,858.47	1,293.28
			<i>For Factory Installed Accessory, Deduct</i>	-2,586.55	
26 29 13 13-0254 NEMA 1, Reversing, Magnetic Starters (26 29 13 13-0239)					
26 29 13 13-0255	EA		Size 00, 1 Phase, 2 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG13)	1,235.64	141.09
			<i>For Factory Installed Accessory, Deduct</i>	-282.17	
26 29 13 13-0256	EA		Size 00, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG15)	1,290.14	152.85
			<i>For Factory Installed Accessory, Deduct</i>	-305.68	
26 29 13 13-0257	EA		Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG16)	1,327.33	152.85
			<i>For Factory Installed Accessory, Deduct</i>	-305.68	
26 29 13 13-0258	EA		Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG1)	1,459.30	164.60
			<i>For Factory Installed Accessory, Deduct</i>	-329.19	
26 29 13 13-0259	EA		Size 0, 1 Phase, 3 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG2)	1,513.81	176.36
			<i>For Factory Installed Accessory, Deduct</i>	-352.71	
26 29 13 13-0260	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG4)	1,551.00	176.36
			<i>For Factory Installed Accessory, Deduct</i>	-352.71	
26 29 13 13-0261	EA		Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG2)	1,682.98	188.12
			<i>For Factory Installed Accessory, Deduct</i>	-376.22	
26 29 13 13-0262	EA		Size 1, 1 Phase, 3 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG6)	1,749.25	205.75
			<i>For Factory Installed Accessory, Deduct</i>	-411.50	
26 29 13 13-0263	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG8)	1,786.44	205.75
			<i>For Factory Installed Accessory, Deduct</i>	-411.50	
26 29 13 13-0264	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDG2)	3,138.55	235.14
			<i>For Factory Installed Accessory, Deduct</i>	-470.28	
26 29 13 13-0265	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SFG2)	5,154.61	352.71
			<i>For Factory Installed Accessory, Deduct</i>	-705.43	
26 29 13 13-0266	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SFG3)	11,671.29	529.07
			<i>For Factory Installed Accessory, Deduct</i>	-1,058.13	
26 29 13 13-0267 NEMA 12, Reversing, Magnetic Starters (26 29 13 13-0239)					
26 29 13 13-0268	EA		Size 0, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 18 Amperes, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBA2)	1,778.27	176.36
			<i>For Factory Installed Accessory, Deduct</i>	-352.71	
26 29 13 13-0269	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBA4)	1,815.45	176.36
			<i>For Factory Installed Accessory, Deduct</i>	-352.71	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 29 13 13-0270	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCA4)	2,050.89	205.75	
		<i>For Factory Installed Accessory, Deduct</i>	-411.50		
26 29 13 13-0271	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDA1).....	3,580.68	235.14	
		<i>For Factory Installed Accessory, Deduct</i>	-470.28		
26 29 13 13-0272 NEMA 4X, Reversing, Magnetic Starters (26 29 13 13-0239)					
Note: Brushed stainless steel enclosure.					
26 29 13 13-0273	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 4/4X Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBW14).....	2,226.59	176.36	
		<i>For Factory Installed Accessory, Deduct</i>	-352.71		
26 29 13 13-0274	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 4/4X Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCW11).....	2,625.08	188.12	
		<i>For Factory Installed Accessory, Deduct</i>	-376.22		
26 29 13 13-0275 Magnetic Contactor/Starters Accessories (26 29 13 13-0083)					
26 29 13 13-0276	EA	NEMA 1 Enclosure Start/Stop Push Button Kit, Contactor/Starter Accessory (Square D 9999SA2)	166.05	14.70	
		<i>For Factory Installed Accessory, Deduct</i>	-29.40		
26 29 13 13-0277	EA	NEMA 12 Enclosure Start/Stop Push Button Kit, Contactor/Starter Accessory (Square D 9999SA3)	282.67	14.70	
		<i>For Factory Installed Accessory, Deduct</i>	-29.40		
26 29 13 13-0278	EA	NEMA 1 Enclosure Selector Switch Kit, Contactor/Starter Accessory (Square D 9999SC2).....	166.05	14.70	
		<i>For Factory Installed Accessory, Deduct</i>	-29.40		
26 29 13 13-0279	EA	NEMA 12 Enclosure Selector Switch Kit, Contactor/Starter Accessory (Square D 9999SC8).....	282.67	14.70	
		<i>For Factory Installed Accessory, Deduct</i>	-29.40		
26 29 13 13-0280	EA	NEMA 1 And 12 Enclosure Red Pilot Light Kit, Contactor/Starter Accessory (Square D 9999SP2R)	282.67	14.70	
		<i>For Factory Installed Accessory, Deduct</i>	-29.40		
26 29 13 13-0281	EA	Internal Non-Convertible Contact Block Kit, 1 Contact, Contactor/Starter Accessory (Square D 9999SX11).....	140.13	11.76	
		<i>For Factory Installed Accessory, Deduct</i>	-23.51		
26 29 13 13-0282	EA	External Convertible Field Contact, 1 Contact, Contactor/Starter Accessory (Square D 9999SX6)	124.82	11.76	
		<i>For Factory Installed Accessory, Deduct</i>	-23.51		
26 29 13 13-0283	EA	External Convertible Field Contacts, 2 Contacts Or 1 Overlapping Contact, Contactor/Starter Accessory (Square D 9999SX8)	166.05	14.70	
		<i>For Factory Installed Accessory, Deduct</i>	-29.40		
26 29 13 13-0284	EA	External Field Non-Convertible Contact, 1 Contact, Contactor/Starter Accessory (Square D 9999SX13).....	140.13	11.76	
		<i>For Factory Installed Accessory, Deduct</i>	-23.51		
26 29 13 13-0285	EA	External Field Non-Convertible Contacts, 2 Contacts Or 1 Overlapping Contact, Contactor/Starter Accessory (Square D 9999SX15)	187.25	14.70	
		<i>For Factory Installed Accessory, Deduct</i>	-29.40		
26 29 13 13-0286	EA	30 Amperes, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB6)	209.63	11.76	
		<i>For Factory Installed Accessory, Deduct</i>	-23.51		
26 29 13 13-0287	EA	45 Amperes, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB11)	361.59	11.76	
		<i>For Factory Installed Accessory, Deduct</i>	-23.51		
26 29 13 13-0288	EA	60 Amperes, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB21)	383.98	11.76	
		<i>For Factory Installed Accessory, Deduct</i>	-23.51		
26 29 13 13-0289	EA	30 Amperes, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB8)	459.37	14.70	
		<i>For Factory Installed Accessory, Deduct</i>	-29.40		
26 29 13 13-0290	EA	45 Amperes, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB13)	802.16	14.70	
		<i>For Factory Installed Accessory, Deduct</i>	-29.40		
26 29 13 13-0291	EA	60 Amperes, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB23)	802.16	14.70	
		<i>For Factory Installed Accessory, Deduct</i>	-29.40		
26 29 13 13-0292	EA	Adapter Bracket For Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SBT1).....	48.39	8.82	
		<i>For Factory Installed Accessory, Deduct</i>	-17.64		
26 29 13 13-0293	EA	1 Pole Control Circuit Fuse Holder, Contactor/Starter Accessory (Square D 9999SF3).....	98.90	11.76	
		<i>For Factory Installed Accessory, Deduct</i>	-23.51		
26 29 13 13-0294	EA	2 Pole Control Circuit Fuse Holder, Contactor/Starter Accessory (Square D 9999SF4).....	130.71	14.70	
		<i>For Factory Installed Accessory, Deduct</i>	-29.40		
26 29 13 13-0295	EA	Transient Suppression Module, Contactor/Starter Accessory (Square D 9999ST1).....	102.44	14.70	
		<i>For Factory Installed Accessory, Deduct</i>	-29.40		
26 29 13 13-0296	EA	Terminal Block, Contactor/Starter Accessory (Square D 9999T7).....	56.88	8.82	
		<i>For Factory Installed Accessory, Deduct</i>	-17.64		
26 29 13 13-0297	EA	Closing Plate For NEMA 1 Enclosures, Contactor/Starter Accessory (Square D 9999SG1).....	34.49	8.82	
		<i>For Factory Installed Accessory, Deduct</i>	-17.64		
26 29 13 13-0298	EA	1 Pole Disconnect Switch And Breaker Interlock, Contactor/Starter Accessory (Square D 9999R39)	182.54	11.76	
		<i>For Factory Installed Accessory, Deduct</i>	-23.51		
26 29 13 13-0299	EA	2 Pole Disconnect Switch And Breaker Interlock, Contactor/Starter Accessory (Square D 9999R40)	315.65	14.70	
		<i>For Factory Installed Accessory, Deduct</i>	-29.40		
26 29 13 13-0300 Definite Purpose Starters (26 29 13 13)					
26 29 13 13-0301 Open Enclosure, Definite Purpose Starter (26 29 13 13-0300)					
26 29 13 13-0302	EA	Open Enclosure, 3 Phase, 3 Pole, 3 HP At 230 Volt, 5 HP At 460/575 Volt, 20 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO13)	588.97	141.09	
		<i>For Factory Installed Accessory, Deduct</i>	-282.17		
26 29 13 13-0303	EA	Open Enclosure, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 25 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO22)	587.94	141.09	
		<i>For Factory Installed Accessory, Deduct</i>	-282.17		
26 29 13 13-0304	EA	Open Enclosure, 3 Phase, 3 Pole, 7.5 HP At 230 Volt, 10 HP At 460/575 Volt, 25 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO23)	636.24	152.85	
		<i>For Factory Installed Accessory, Deduct</i>	-305.68		
26 29 13 13-0305	EA	Open Enclosure, 1 Phase, 2 Pole, 2 HP At 115 Volt, 5 HP At 230 Volt, 30 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO32)	626.16	141.09	
		<i>For Factory Installed Accessory, Deduct</i>	-282.17		
26 29 13 13-0306	EA	Open Enclosure, 3 Phase, 3 Pole, 10 HP At 230 Volt, 15 HP At 460/575 Volt, 30 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO33)	680.66	152.85	
		<i>For Factory Installed Accessory, Deduct</i>	-305.68		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0307	EA	Open Enclosure, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 40 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO42)	659.22	141.09
		<i>For Factory Installed Accessory, Deduct</i>	-282.17	
26 29 13 13-0308	EA	Open Enclosure, 3 Phase, 3 Pole, 10 HP At 230 Volt, 20 HP At 460/575 Volt, 40 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO43)	764.88	176.36
		<i>For Factory Installed Accessory, Deduct</i>	-352.71	
26 29 13 13-0309	EA	Open Enclosure, 1 Phase, 2 Pole, 3 HP At 115 Volt, 10 HP At 230 Volt, 50 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO52)	850.62	176.36
		<i>For Factory Installed Accessory, Deduct</i>	-352.71	
26 29 13 13-0310	EA	Open Enclosure, 3 Phase, 3 Pole, 15 HP At 230 Volt, 30 HP At 460/575 Volt, 50 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO53)	1,070.56	205.75
		<i>For Factory Installed Accessory, Deduct</i>	-411.50	
26 29 13 13-0311 NEMA 1, Definite Purpose Starter (26 29 13 13-0300)				
26 29 13 13-0312	EA	NEMA 1, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 20 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG12)	601.62	129.32
		<i>For Factory Installed Accessory, Deduct</i>	-258.66	
26 29 13 13-0313	EA	NEMA 1, 3 Phase, 3 Pole, 3 HP At 230 Volt, 5 HP At 460/575 Volt, 20 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG13)	649.92	141.09
		<i>For Factory Installed Accessory, Deduct</i>	-282.17	
26 29 13 13-0314	EA	NEMA 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 25 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG22)	647.86	141.09
		<i>For Factory Installed Accessory, Deduct</i>	-282.17	
26 29 13 13-0315	EA	NEMA 1, 3 Phase, 3 Pole, 7.5 HP At 230 Volt, 10 HP At 460/575 Volt, 25 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG23)	699.26	152.85
		<i>For Factory Installed Accessory, Deduct</i>	-305.68	
26 29 13 13-0316	EA	NEMA 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 5 HP At 230 Volt, 30 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG32)	687.11	141.09
		<i>For Factory Installed Accessory, Deduct</i>	-282.17	
26 29 13 13-0317	EA	NEMA 1, 3 Phase, 3 Pole, 10 HP At 230 Volt, 15 HP At 460/575 Volt, 30 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG33)	742.64	152.85
		<i>For Factory Installed Accessory, Deduct</i>	-305.68	
26 29 13 13-0318	EA	NEMA 1, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 40 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG42)	722.23	141.09
		<i>For Factory Installed Accessory, Deduct</i>	-282.17	
26 29 13 13-0319	EA	NEMA 1, 3 Phase, 3 Pole, 10 HP At 230 Volt, 20 HP At 460/575 Volt, 40 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG43)	826.86	176.36
		<i>For Factory Installed Accessory, Deduct</i>	-352.71	
26 29 13 13-0320	EA	NEMA 1, 1 Phase, 2 Pole, 3 HP At 115 Volt, 10 HP At 230 Volt, 50 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG52)	909.50	176.36
		<i>For Factory Installed Accessory, Deduct</i>	-352.71	
26 29 13 13-0321	EA	NEMA 1, 3 Phase, 3 Pole, 15 HP At 230 Volt, 30 HP At 460/575 Volt, 50 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG53)	1,130.48	205.75
		<i>For Factory Installed Accessory, Deduct</i>	-411.50	
26 29 13 13-0322 Definite Purpose Starter Accessory (26 29 13 13-0300)				
26 29 13 13-0323	EA	Start-Stop Push Button Kit, Definite Purpose Starter Accessory	187.25	14.70
		Note: Or Hand-Off-Auto Selector Switch Kit		
		<i>For Factory Installed Accessory, Deduct</i>	-29.40	
26 29 13 13-0324 Panel Mounted Miniature Contactor (26 29 13 13)				
26 29 13 13-0325 Non-Reversing, Panel Mounted Miniature Contactor (26 29 13 13-0324)				
26 29 13 13-0326	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, AC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LC1K)	176.45	58.78
26 29 13 13-0327	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LC1K)	206.80	64.67
26 29 13 13-0328	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LC1K)	206.80	64.67
26 29 13 13-0329	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, AC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LC1K)	229.93	70.54
26 29 13 13-0330	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, DC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	195.05	58.78
26 29 13 13-0331	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, DC Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	205.38	58.78
26 29 13 13-0332	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	224.36	64.67
26 29 13 13-0333	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	234.69	64.67
26 29 13 13-0334	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	230.56	64.67
26 29 13 13-0335	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	234.69	64.67
26 29 13 13-0336	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	250.59	70.54

26	26 Electrical
	26 20 Low-Voltage Electrical Distribution
	26 29 Low-Voltage Controllers



MINOR				TOTAL DIRECT		DEMOLITION
CSI UOM DESCRIPTION				UNIT COST		UNIT COST
26 29 13 13-0337	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	240.89		64.67	
26 29 13 13-0338	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	260.92		70.54	
26 29 13 13-0339	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP4K).....	242.95		64.67	
26 29 13 13-0340	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP4K).....	242.95		64.67	
26 29 13 13-0341	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP4K).....	271.25		70.54	
26 29 13 13-0342	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP4K).....	271.25		70.54	
26 29 13 13-0343		Reversing, Panel Mounted Miniature Contactor (26 29 13 13-0324)				
26 29 13 13-0344	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	251.86		58.78	
26 29 13 13-0345	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, AC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	272.52		58.78	
26 29 13 13-0346	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	301.83		64.67	
26 29 13 13-0347	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	301.83		64.67	
26 29 13 13-0348	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	322.49		64.67	
26 29 13 13-0349	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	338.40		70.54	
26 29 13 13-0350	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amperes, 20 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	338.40		70.54	
26 29 13 13-0351	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	290.08		58.78	
26 29 13 13-0352	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	310.74		58.78	
26 29 13 13-0353	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	337.99		64.67	
26 29 13 13-0354	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	358.65		64.67	
26 29 13 13-0355	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	380.75		70.54	
26 29 13 13-0356	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	401.41		70.54	
26 29 13 13-0357	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K).....	326.63		64.67	
26 29 13 13-0358	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K).....	375.18		64.67	
26 29 13 13-0359	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K).....	424.13		70.54	
26 29 13 13-0360		Panel Mounted Miniature Contactor Accessories (26 29 13 13-0324)				
26 29 13 13-0361	EA	2 Auxiliary Contacts, 10 Amperes, Panel Mounted Miniature Contactor Accessory (Square D LA1KN02).....	75.00		29.40	
26 29 13 13-0362	EA	4 Auxiliary Contacts, 10 Amperes, Panel Mounted Miniature Contactor Accessory (Square D LA1KN40).....	82.97		29.40	
26 29 13 13-0363	EA	Electronic Time Delay Contact, 2 Amperes, Panel Mounted Miniature Contactor Accessory (Square D LA2KT2U).....	97.42		29.40	
26 29 13 13-0364	EA	Overload Relay, Panel Mounted Miniature Contactor Accessory (Square D LR2K0301).....	126.14		29.40	
26 29 13 13-0365		Reduced Voltage Auto Transformer Type 240-600 Volt, 3 Pole (26 29 13 13)				
26 29 13 13-0366		NEMA 1 Enclosure (26 29 13 13-0365)				
26 29 13 13-0367	EA	Reduced Voltage Auto Transformer Starter, Size 3, 50 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	7,234.33		563.39	
		For NEMA 4, Add.....	760.45			
26 29 13 13-0368	EA	Reduced Voltage Auto Transformer Starter, Size 4, 100 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	12,616.93		751.18	
		For NEMA 4, Add.....	1,389.02			
26 29 13 13-0369	EA	Reduced Voltage Auto Transformer Starter, Size 5, 200 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	22,059.76		892.03	
		For NEMA 4, Add.....	2,535.17			
26 29 13 13-0370	EA	Reduced Voltage Auto Transformer Starter, Size 6, 300 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	53,726.63		1,091.56	
		For NEMA 4, Add.....	6,444.13			

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0371	EA	Reduced Voltage Auto Transformer Starter, Size 7, 600 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing <i>For NEMA 4, Add</i>	85,695.85 10,362.66	1,396.73
26 29 13 13-0372		NEMA 12 Enclosure (26 29 13 13-0365)		
26 29 13 13-0373	EA	Reduced Voltage Auto Transformer Starter, Size 3, 50 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	7,183.66	575.36
26 29 13 13-0374	EA	Reduced Voltage Auto Transformer Starter, Size 4, 100 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	12,524.38	752.36
26 29 13 13-0375	EA	Reduced Voltage Auto Transformer Starter, Size 5, 200 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	21,890.83	889.21
26 29 13 13-0376	EA	Reduced Voltage Auto Transformer Starter, Size 6, 300 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	53,297.23	1,086.75
26 29 13 13-0377	EA	Reduced Voltage Auto Transformer Starter, Size 7, 600 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	85,005.34	1,397.32
26 29 13 13-0378		Factory Modifications Pilot Devices (26 29 13 13-0365)		
26 29 13 13-0379	EA	Start-Stop Push-button, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	179.16	
26 29 13 13-0380	EA	H-O-A Select Switch, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	197.60	
26 29 13 13-0381	EA	Forward-Reverse-Stop, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	336.35	
26 29 13 13-0382	EA	Pilot Light, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	182.75	
26 29 13 13-0383	EA	Fused Control Circuit, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	262.77	
26 29 13 13-0384	EA	Auxiliary Interlock, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	131.39	
26 29 13 13-0385	EA	Auxiliary Relay, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	428.84	
26 29 13 13-0386		Factory Modifications Meters (26 29 13 13-0365)		
26 29 13 13-0387	EA	Ammeter And Switch, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	1,723.80	
26 29 13 13-0388	EA	Voltmeter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	1,664.95	
26 29 13 13-0389	EA	Wattmeter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	588.61	
26 29 13 13-0390	EA	Elapsed-time Meter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	487.73	
26 29 13 13-0391		Factory Modifications Main Circuit Breakers (26 29 13 13-0365)		
26 29 13 13-0392	EA	Reduced Voltage Auto Transformer Starter, Size 3, Circuit Breaker, Factory Modification Main Circuit Breaker	2,278.25	
26 29 13 13-0393	EA	Reduced Voltage Auto Transformer Starter, Size 4, Circuit Breaker, Factory Modification Main Circuit Breaker	4,166.64	
26 29 13 13-0394	EA	Reduced Voltage Auto Transformer Starter, Size 5-7, Circuit Breaker, Factory Modification Main Circuit Breaker	8,862.86	
26 29 13 13-0395		Factory Modifications Addition (26 29 13 13-0365) Note: For reversing service auto transformer type.		
26 29 13 13-0396	EA	Reduced Voltage Auto Transformer Starter, Size 3, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	382.62	
26 29 13 13-0397	EA	Reduced Voltage Auto Transformer Starter, Size 4, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	382.62	
26 29 13 13-0398	EA	Reduced Voltage Auto Transformer Starter, Size 5, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	382.62	
26 29 13 13-0399	EA	Reduced Voltage Auto Transformer Starter, Size 6, 7, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	382.62	
26 29 13 13-0400		Combination Starters Non-Reversing (26 29 13 13)		
26 29 13 13-0401		240-600 Volt, 3-Pole (26 29 13 13-0400)		
26 29 13 13-0402		NEMA 1 With Disconnect Switch (26 29 13 13-0401)		
26 29 13 13-0403	EA	Combination Starter, Size 0, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	1,651.23	269.96
		<i>For Electronic Overloads, Add</i>	210.49	
26 29 13 13-0404	EA	Combination Starter, Size 1, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	2,019.23	422.54
		<i>For Electronic Overloads, Add</i>	222.05	
26 29 13 13-0405	EA	Combination Starter, Size 2, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	2,828.56	492.97
		<i>For Electronic Overloads, Add</i>	351.59	
26 29 13 13-0406	EA	Combination Starter, Size 3, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	4,302.67	610.33
		<i>For Electronic Overloads, Add</i>	585.21	
26 29 13 13-0407	EA	Combination Starter, Size 4, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	7,897.15	974.19
		<i>For Electronic Overloads, Add</i>	1,128.78	
26 29 13 13-0408	EA	Combination Starter, Size 5, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	15,783.96	1,220.67
		<i>For Electronic Overloads, Add</i>	2,534.35	
26 29 13 13-0409		NEMA 1 With Circuit Breaker (26 29 13 13-0401)		
26 29 13 13-0410	EA	Combination Starter, Size 0, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	2,089.50	269.96
		<i>For Electronic Overloads, Add</i>	293.76	
26 29 13 13-0411	EA	Combination Starter, Size 1, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	2,457.50	422.54
		<i>For Electronic Overloads, Add</i>	305.33	
26 29 13 13-0412	EA	Combination Starter, Size 2, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	3,254.65	492.97
		<i>For Electronic Overloads, Add</i>	432.54	
26 29 13 13-0413	EA	Combination Starter, Size 3, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	4,533.98	610.33
		<i>For Electronic Overloads, Add</i>	629.16	
26 29 13 13-0414	EA	Combination Starter, Size 4, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	9,224.13	974.19
		<i>For Electronic Overloads, Add</i>	1,380.90	
26 29 13 13-0415	EA	Combination Starter, Size 5, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	19,302.27	1,220.67
		<i>For Electronic Overloads, Add</i>	3,202.83	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 29 13 13-0416		Factory Modifications For NEMA 1 Enclosure (26 29 13 13-0401)			
26 29 13 13-0417	EA	Start-Stop Push-button, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt.....	199.58		
26 29 13 13-0418	EA	H-O-A Select Switch, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt.....	468.77		
26 29 13 13-0419	EA	Pilot Light, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt.....	323.53		
26 29 13 13-0420		NEMA 4 With Disconnect Switch (26 29 13 13-0401)			
26 29 13 13-0421	EA	Combination Starter, Size 0, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	3,001.07		352.11
		<i>For Electronic Overloads, Add</i>	432.54		
26 29 13 13-0422	EA	Combination Starter, Size 1, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	3,315.52		492.97
		<i>For Electronic Overloads, Add</i>	444.11		
26 29 13 13-0423	EA	Combination Starter, Size 2, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	4,739.00		539.91
		<i>For Electronic Overloads, Add</i>	693.92		
26 29 13 13-0424	EA	Combination Starter, Size 3, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	7,525.09		657.28
		<i>For Electronic Overloads, Add</i>	1,181.98		
26 29 13 13-0425	EA	Combination Starter, Size 4, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	11,914.59		974.19
		<i>For Electronic Overloads, Add</i>	1,892.09		
26 29 13 13-0426	EA	Combination Starter, Size 5, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	26,034.53		1,220.67
		<i>For Electronic Overloads, Add</i>	4,481.96		
26 29 13 13-0427		NEMA 4 With Circuit Breaker (26 29 13 13-0401)			
26 29 13 13-0428	EA	Combination Starter, Size 0, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	3,439.34		352.11
		<i>For Electronic Overloads, Add</i>	515.82		
26 29 13 13-0429	EA	Combination Starter, Size 1, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	3,753.79		492.97
		<i>For Electronic Overloads, Add</i>	527.38		
26 29 13 13-0430	EA	Combination Starter, Size 2, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	5,165.09		539.91
		<i>For Electronic Overloads, Add</i>	774.88		
26 29 13 13-0431	EA	Combination Starter, Size 3, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	7,756.39		657.28
		<i>For Electronic Overloads, Add</i>	1,225.93		
26 29 13 13-0432	EA	Combination Starter, Size 4, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	13,241.57		974.19
		<i>For Electronic Overloads, Add</i>	2,144.22		
26 29 13 13-0433	EA	Combination Starter, Size 5, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	24,658.86		1,220.67
		<i>For Electronic Overloads, Add</i>	4,220.59		
26 29 13 13-0434		Factory Modifications For NEMA 4 Enclosure (26 29 13 13-0401)			
26 29 13 13-0435	EA	Start-Stop Push-button, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt.....	199.61		
26 29 13 13-0436	EA	H-O-A Select Switch, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt.....	468.77		
26 29 13 13-0437	EA	Pilot Light, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt.....	323.53		
26 29 13 13-0438		NEMA 12 With Disconnect Switch (26 29 13 13-0401)			
26 29 13 13-0439	EA	Combination Starter, Size 0, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	1,706.62		271.72
		<i>For Electronic Overloads, Add</i>	221.01		
26 29 13 13-0440	EA	Combination Starter, Size 1, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	2,077.66		425.24
		<i>For Electronic Overloads, Add</i>	233.16		
26 29 13 13-0441	EA	Combination Starter, Size 2, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	2,921.08		489.09
		<i>For Electronic Overloads, Add</i>	369.17		
26 29 13 13-0442	EA	Combination Starter, Size 3, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	4,456.67		611.28
		<i>For Electronic Overloads, Add</i>	614.47		
26 29 13 13-0443	EA	Combination Starter, Size 4, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	8,194.19		978.18
		<i>For Electronic Overloads, Add</i>	1,185.22		
26 29 13 13-0444	EA	Combination Starter, Size 5, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	16,450.89		1,222.55
		<i>For Electronic Overloads, Add</i>	2,661.07		
26 29 13 13-0445		NEMA 12 With Circuit Breaker (26 29 13 13-0401)			
26 29 13 13-0446	EA	Combination Starter, Size 0, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	2,229.94		271.72
		<i>For Electronic Overloads, Add</i>	320.44		
26 29 13 13-0447	EA	Combination Starter, Size 1, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	2,603.47		425.24
		<i>For Electronic Overloads, Add</i>	333.06		
26 29 13 13-0448	EA	Combination Starter, Size 2, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	3,461.45		489.09
		<i>For Electronic Overloads, Add</i>	471.84		
26 29 13 13-0449	EA	Combination Starter, Size 3, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	4,834.77		611.28
		<i>For Electronic Overloads, Add</i>	686.31		
26 29 13 13-0450	EA	Combination Starter, Size 4, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	9,884.33		978.18
		<i>For Electronic Overloads, Add</i>	1,506.34		
26 29 13 13-0451	EA	Combination Starter, Size 5, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	20,833.52		1,222.55
		<i>For Electronic Overloads, Add</i>	3,493.77		
26 29 13 13-0452		Factory Modifications For NEMA 12 Enclosure (26 29 13 13-0401)			
26 29 13 13-0453	EA	Start-Stop Push-button, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt.....	197.95		
26 29 13 13-0454	EA	H-O-A Select Switch, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt.....	464.87		
26 29 13 13-0455	EA	Pilot Light, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt.....	320.84		
26 29 13 13-0456		NEMA 7 Or 9 With Circuit Breaker (26 29 13 13-0401)			
26 29 13 13-0457	EA	Combination Starter, Size 0, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	3,912.25		563.39
26 29 13 13-0458	EA	Combination Starter, Size 1, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	5,298.53		751.18
26 29 13 13-0459	EA	Combination Starter, Size 2, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	5,792.66		1,032.88
26 29 13 13-0460	EA	Combination Starter, Size 3, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	8,588.62		1,408.47

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 29 13 13-0461	EA	Combination Starter, Size 4, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	12,919.26	1,971.85
26 29 13 13-0462		Factory Modifications For NEMA 7 Or 9 Enclosure (26 29 13 13-0401)		
26 29 13 13-0463	EA	Start-Stop Push-button, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt.....	1,186.94	
26 29 13 13-0464	EA	H-O-A Select Switch, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt.....	1,186.94	
26 29 13 13-0465	EA	Pilot Light, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt.....	1,186.94	
26 29 13 13-0466		Combination Starters Reversing (26 29 13 13)		
26 29 13 13-0467		240-600 Volt, 3 Pole (26 29 13 13-0466)		
26 29 13 13-0468		NEMA 1 With Disconnect Switch (26 29 13 13-0467)		
26 29 13 13-0469	EA	Combination Starter, Size 0, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	2,044.71	352.11
26 29 13 13-0470	EA	Combination Starter, Size 1, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	2,386.69	492.97
26 29 13 13-0471	EA	Combination Starter, Size 2, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	3,441.31	539.91
26 29 13 13-0472	EA	Combination Starter, Size 3, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	5,205.77	657.28
26 29 13 13-0473	EA	Combination Starter, Size 4, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	10,127.83	974.19
26 29 13 13-0474		NEMA 1 With Circuit Breaker (26 29 13 13-0467)		
26 29 13 13-0475	EA	Combination Starter, Size 0, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	2,275.95	352.11
26 29 13 13-0476	EA	Combination Starter, Size 1, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	2,633.54	492.97
26 29 13 13-0477	EA	Combination Starter, Size 2, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	3,730.28	539.91
26 29 13 13-0478	EA	Combination Starter, Size 3, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	4,807.94	657.28
26 29 13 13-0479	EA	Combination Starter, Size 4, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	10,909.43	974.19
26 29 13 13-0480		NEMA 12 With Disconnect Switch (26 29 13 13-0467)		
26 29 13 13-0481	EA	Combination Starter, Size 0, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	2,179.18	362.33
26 29 13 13-0482	EA	Combination Starter, Size 1, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	2,530.17	489.09
26 29 13 13-0483	EA	Combination Starter, Size 2, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	3,681.14	543.43
26 29 13 13-0484	EA	Combination Starter, Size 3, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	5,603.18	652.12
26 29 13 13-0485	EA	Combination Starter, Size 4, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	10,960.16	978.18
26 29 13 13-0486		NEMA 12 With Circuit Breaker (26 29 13 13-0467)		
26 29 13 13-0487	EA	Combination Starter, Size 0, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	2,433.97	362.33
26 29 13 13-0488	EA	Combination Starter, Size 1, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	2,802.15	489.09
26 29 13 13-0489	EA	Combination Starter, Size 2, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	3,999.53	543.43
26 29 13 13-0490	EA	Combination Starter, Size 3, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	5,164.83	652.12
26 29 13 13-0491	EA	Combination Starter, Size 4, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	11,821.38	978.18
26 29 13 13-0492		NEMA 7 Or 9 With Circuit Breaker (26 29 13 13-0467)		
26 29 13 13-0493	EA	Combination Starter, Size 0, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	4,753.14	751.18
26 29 13 13-0494	EA	Combination Starter, Size 1, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	5,123.71	938.97
26 29 13 13-0495	EA	Combination Starter, Size 2, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	7,350.69	1,220.67
26 29 13 13-0496	EA	Combination Starter, Size 3, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	11,651.53	1,596.26
26 29 13 13-0497	EA	Combination Starter, Size 4, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	21,173.55	2,159.65
26 29 13 13-0498		Solid State Motor Controllers (26 29 13 13)		
26 29 13 13-0499		Adjustable Voltage Drives, DC Motors (26 29 13 13-0498)		
26 29 13 13-0500	EA	0.5-1.5 HP DC Solid State Motor Controller, Reversing With Dynamic Braking.....	1,613.56	211.27
26 29 13 13-0501	EA	0.5-2.0 HP DC Solid State Motor Controller, Non-Reversing With Dynamic Braking.....	1,937.14	211.27
26 29 13 13-0502		Removal And Reinstallation Of Motor Starters (26 29 13 13)		
		Note: Includes storage and cleaning.		
26 29 13 13-0503	EA	Removal And Reinstallation Of Up To 25 HP Motor Starter With Disconnect.....	838.37	
26 29 13 13-0504		Auxiliary Devices (26 29 13 13)		
26 29 13 13-0505	EA	Normally Open, Auxiliary Contact.....	486.68	117.37
26 29 13 13-0506	EA	Normally Closed, Auxiliary Contact.....	486.68	117.37
26 29 13 13-0507	EA	Pilot Light Kit.....	512.10	117.37
26 29 23		Variable-Frequency Motor Controllers (26 29)		
26 29 23 00-0001		208/230 Volt, Ultra Low Harmonic (ULH) Variable Frequency Drives (26 29 23)		
		Note: 1 or 3 phase. Wall mounted. ABB ACH580 Series. Includes full voltage bypass with main input circuit breaker. NEMA 1 enclosure.		
26 29 23 00-0002	EA	3/4 HP, 208/230 Volt Variable Frequency Drive.....	2,318.68	451.11
		For 6-Pulse Drive Package, Deduct	-778.99	
26 29 23 00-0003	EA	1 HP, 208/230 Volt Variable Frequency Drive.....	2,612.08	493.04
		For 6-Pulse Drive Package, Deduct	-896.81	
26 29 23 00-0004	EA	1-1/2 HP, 208/230 Volt Variable Frequency Drive.....	3,037.41	542.13
		For 6-Pulse Drive Package, Deduct	-1,074.24	
26 29 23 00-0005	EA	2 HP, 208/230 Volt Variable Frequency Drive.....	3,205.80	521.10
		For 6-Pulse Drive Package, Deduct	-1,189.97	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 29 23 00-0006	EA	3 HP, 208/230 Volt Variable Frequency Drive	3,435.97	568.15
		<i>For 6-Pulse Drive Package, Deduct</i>	-1,264.82	
26 29 23 00-0007	EA	5 HP, 208/230 Volt Variable Frequency Drive	3,719.49	568.15
		<i>For 6-Pulse Drive Package, Deduct</i>	-1,420.76	
26 29 23 00-0008	EA	7.5 HP, 208/230 Volt Variable Frequency Drive	4,443.97	678.37
		<i>For 6-Pulse Drive Package, Deduct</i>	-1,697.98	
26 29 23 00-0009	EA	10 HP, 208/230 Volt Variable Frequency Drive	4,853.51	678.37
		<i>For 6-Pulse Drive Package, Deduct</i>	-1,923.23	
26 29 23 00-0010	EA	15 HP, 208/230 Volt Variable Frequency Drive	6,390.16	1,021.41
		<i>For 6-Pulse Drive Package, Deduct</i>	-2,391.04	
26 29 23 00-0011	EA	20 HP, 208/230 Volt Variable Frequency Drive	7,524.26	1,021.41
		<i>For 6-Pulse Drive Package, Deduct</i>	-3,014.79	
26 29 23 00-0012	EA	25 HP, 208/230 Volt Variable Frequency Drive	9,171.59	1,356.85
		<i>For 6-Pulse Drive Package, Deduct</i>	-3,551.91	
26 29 23 00-0013	EA	30 HP, 208/230 Volt Variable Frequency Drive	10,589.20	1,356.85
		<i>For 6-Pulse Drive Package, Deduct</i>	-4,331.59	
26 29 23 00-0014	EA	40 HP, 208/230 Volt Variable Frequency Drive	11,817.80	1,356.85
		<i>For 6-Pulse Drive Package, Deduct</i>	-5,007.32	
26 29 23 00-0015	EA	50 HP, 208/230 Volt Variable Frequency Drive	15,590.30	1,715.23
		<i>For 6-Pulse Drive Package, Deduct</i>	-6,687.98	
26 29 23 00-0016	EA	60 HP, 208/230 Volt Variable Frequency Drive	18,801.33	2,029.08
		<i>For 6-Pulse Drive Package, Deduct</i>	-8,108.74	
26 29 23 00-0017	EA	75 HP, 208/230 Volt Variable Frequency Drive	21,321.53	2,029.08
		<i>For 6-Pulse Drive Package, Deduct</i>	-9,494.85	

26 29 23 00-0018 460/480 Volt, Ultra Low Harmonic (ULH) Variable Frequency Drives (26 29 23)

Note: 3 Phase. ABB ACH580 Series. Includes full voltage bypass with main circuit breaker. NEMA 1 enclosure.

26 29 23 00-0019	EA	3 HP, 480 Volt Variable Frequency Drive	5,529.62	811.66
		Note: Wall mounted.		
		<i>For 6-Pulse Drive Package, Deduct</i>	-2,148.47	
26 29 23 00-0020	EA	5 HP, 480 Volt Variable Frequency Drive	5,718.63	811.66
		Note: Wall mounted.		
		<i>For 6-Pulse Drive Package, Deduct</i>	-2,252.43	
26 29 23 00-0021	EA	7.5 HP, 480 Volt Variable Frequency Drive	6,249.92	967.10
		Note: Wall mounted.		
		<i>For 6-Pulse Drive Package, Deduct</i>	-2,373.71	
26 29 23 00-0022	EA	10 HP, 480 Volt Variable Frequency Drive	6,281.42	967.10
		Note: Wall mounted.		
		<i>For 6-Pulse Drive Package, Deduct</i>	-2,391.04	
26 29 23 00-0023	EA	15 HP, 480 Volt Variable Frequency Drive	8,413.76	1,466.16
		Note: Wall mounted.		
		<i>For 6-Pulse Drive Package, Deduct</i>	-3,014.79	
26 29 23 00-0024	EA	20 HP, 480 Volt Variable Frequency Drive	8,854.79	1,466.16
		Note: Wall mounted.		
		<i>For 6-Pulse Drive Package, Deduct</i>	-3,257.36	
26 29 23 00-0025	EA	25 HP, 480 Volt Variable Frequency Drive	10,641.33	1,934.19
		Note: Wall mounted.		
		<i>For 6-Pulse Drive Package, Deduct</i>	-3,725.17	
26 29 23 00-0026	EA	30 HP, 480 Volt Variable Frequency Drive	12,216.45	1,934.19
		Note: Wall mounted.		
		<i>For 6-Pulse Drive Package, Deduct</i>	-4,591.49	
26 29 23 00-0027	EA	40 HP, 480 Volt Variable Frequency Drive	13,854.58	1,934.19
		Note: Wall mounted.		
		<i>For 6-Pulse Drive Package, Deduct</i>	-5,492.46	
26 29 23 00-0028	EA	50 HP, 480 Volt Variable Frequency Drive	18,144.72	2,456.90
		Note: Wall mounted.		
		<i>For 6-Pulse Drive Package, Deduct</i>	-7,277.08	
26 29 23 00-0029	EA	60 HP, 480 Volt Variable Frequency Drive	24,224.59	2,913.57
		Note: Wall mounted.		
		<i>For 6-Pulse Drive Package, Deduct</i>	-10,118.60	
26 29 23 00-0030	EA	75 HP, 480 Volt Variable Frequency Drive	25,736.71	2,913.57
		Note: Wall mounted.		
		<i>For 6-Pulse Drive Package, Deduct</i>	-10,950.27	
26 29 23 00-0031	EA	100 HP, 480 Volt Variable Frequency Drive	29,804.97	3,246.62
		Note: Wall mounted.		
		<i>For 6-Pulse Drive Package, Deduct</i>	-12,821.52	
26 29 23 00-0032	EA	125 HP, 480 Volt Variable Frequency Drive	31,443.10	3,246.62
		Note: Wall mounted.		
		<i>For 6-Pulse Drive Package, Deduct</i>	-13,722.49	
26 29 23 00-0033	EA	150 HP, 480 Volt Variable Frequency Drive	34,845.37	3,246.62
		Note: Floor mounted.		
		<i>For 6-Pulse Drive Package, Deduct</i>	-15,593.74	
26 29 23 00-0034	EA	200 HP, 480 Volt Variable Frequency Drive	40,221.13	3,918.28
		Note: Floor mounted.		
		<i>For 6-Pulse Drive Package, Deduct</i>	-17,811.51	
26 29 23 00-0035	EA	250 HP, 480 Volt Variable Frequency Drive	50,379.50	4,093.15
		Note: Floor mounted.		
		<i>For 6-Pulse Drive Package, Deduct</i>	-23,206.25	
26 29 23 00-0036	EA	300 HP, 480 Volt Variable Frequency Drive	59,091.84	4,696.75
		Note: Floor mounted.		
		<i>For 6-Pulse Drive Package, Deduct</i>	-27,334.09	
26 29 23 00-0037	EA	350 HP, 480 Volt Variable Frequency Drive	67,999.79	5,093.77
		Note: Floor mounted.		
		<i>For 6-Pulse Drive Package, Deduct</i>	-31,796.67	
26 29 23 00-0038	EA	400 HP, 480 Volt Variable Frequency Drive	78,835.29	5,500.22
		Note: Floor mounted.		
		<i>For 6-Pulse Drive Package, Deduct</i>	-37,309.23	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 29 23 00-0039	EA	450 HP, 480 Volt Variable Frequency Drive Note: Floor mounted. For 6-Pulse Drive Package, Deduct	84,962.94 -40,168.78	5,964.40
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26 29 33 Controllers for Fire Pump Drivers (26 29)

26 29 33 13 Full-Service Controllers for Fire Pump Electric-Motor Drivers (26 29 33)

26 29 33 13-0001 Electric Controllers For Fire Pumps (26 29 33 13)

26 29 33 13-0002 Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller (26 29 33 13-0001)

26 29 33 13-0003	EA	30 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	22,611.32	224.76
26 29 33 13-0004	EA	40 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	25,599.34	249.73
26 29 33 13-0005	EA	50 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	26,840.55	274.71
26 29 33 13-0006	EA	75 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	30,603.94	299.68
26 29 33 13-0007	EA	150 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	32,337.74	349.62
26 29 33 13-0008	EA	175 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	34,468.52	449.52
26 29 33 13-0009	EA	200 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	37,360.91	499.47
26 29 33 13-0010	EA	250 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	42,729.28	569.39
26 29 33 13-0011	EA	300 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	51,493.78	614.34
26 29 33 13-0012	EA	350 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	60,516.42	699.25
26 29 33 13-0013	EA	400 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	72,202.24	749.20
26 29 33 13-0014	EA	500 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	81,511.46	799.15

26 29 33 19 Controllers for Fire Pump Diesel Engine Drivers (26 29 33)

See CSI section 26 29 33 13-0000 for controllers for fire pump diesel engine drivers.

26 30 Facility Electrical Power Generating and Storing Equipment (26)

26 31 Photovoltaic Collectors (26 30)

26 31 00 00-0001 Rigid Photovoltaic Modules (26 31)

26 31 00 00-0002 Sanyo Rigid Photovoltaic Modules (26 31 00 00-0001)

26 31 00 00-0003	EA	205 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 16.3% Module Efficiency (Sanyo HIP-205NHKA6).....	2,241.69	111.50
		For >25 To 50, Deduct	-162.55	
		For >50 To 100, Deduct	-218.59	
		For >100, Deduct	-325.10	
26 31 00 00-0004	EA	210 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 16.7% Module Efficiency (Sanyo HIP-210NHKA6).....	2,351.11	111.50
		For >25 To 50, Deduct	-170.76	
		For >50 To 100, Deduct	-229.54	
		For >100, Deduct	-341.52	
26 31 00 00-0005	EA	215 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 17.1% Module Efficiency (Sanyo HIP-215HNKA6).....	2,198.76	111.50
		For >25 To 50, Deduct	-159.33	
		For >50 To 100, Deduct	-214.30	
		For >100, Deduct	-318.66	

26 31 00 00-0006 Sharp Rigid Photovoltaic Modules (26 31 00 00-0001)

26 31 00 00-0007	EA	224 Watt Polycrystalline Photovoltaic Module, 64.6" x 39.1", 13.74% Module Efficiency (Sharp ND-224UC1).....	1,748.96	111.50
		For >25 To 50, Deduct	-125.60	
		For >50 To 100, Deduct	-169.32	
		For >100, Deduct	-251.19	
26 31 00 00-0008	EA	230 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.1% Module Efficiency (Sharp NU-U230F3)	1,993.21	111.50
		For >25 To 50, Deduct	-143.92	
		For >50 To 100, Deduct	-193.75	
		For >100, Deduct	-287.83	
26 31 00 00-0009	EA	235 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.4% Module Efficiency (Sharp NU-U235F1)	2,031.90	111.50
		For >25 To 50, Deduct	-146.82	
		For >50 To 100, Deduct	-197.61	
		For >100, Deduct	-293.63	
26 31 00 00-0010	EA	240 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.7% Module Efficiency (Sharp NU-U240F1)	1,910.98	111.50
		For >25 To 50, Deduct	-137.75	
		For >50 To 100, Deduct	-185.52	
		For >100, Deduct	-275.50	

26 31 00 00-0011 BP Solar Rigid Photovoltaic Modules (26 31 00 00-0001)

Note: Approved for applications in NEC Class 1, Division 2, Groups C and D hazardous locations.

26 31 00 00-0012	EA	50 Watt Polycrystalline Photovoltaic Module, 33" x 21.1" (BP SX350J)	849.23	111.50
		For >25 To 50, Deduct	-58.12	
		For >50 To 100, Deduct	-79.35	
		For >100, Deduct	-116.23	
26 31 00 00-0013	EA	75 Watt Polycrystalline Photovoltaic Module, 47.6" x 21.14" (BP SX375J)	1,054.78	111.50
		For >25 To 50, Deduct	-73.53	
		For >50 To 100, Deduct	-99.90	
		For >100, Deduct	-147.07	
26 31 00 00-0014	EA	80 Watt Polycrystalline Photovoltaic Module, 47.6" x 20.9" (BP SX380J)	1,137.01	111.50
		For >25 To 50, Deduct	-79.70	
		For >50 To 100, Deduct	-108.13	
		For >100, Deduct	-159.40	

26 Electrical**26 30 Facility Electrical Power Generating and Storing Equipment****26 31 Photovoltaic Collectors**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 31 00 00-0015	Photovoltaic Inverters (26 31)				
26 31 00 00-0016	Fronius Photovoltaic Inverters (26 31 00 00-0015)				
26 31 00 00-0017	EA	3 KW Photovoltaic Inverter (Fronius IG Plus 3.0-1)	5,376.28	117.37	
26 31 00 00-0018	EA	5 KW Photovoltaic Inverter (Fronius IG Plus 5.0-1)	7,100.41	117.37	
26 31 00 00-0019	EA	6 KW Photovoltaic Inverter (Fronius IG Plus 6.0-1)	7,496.52	117.37	
26 31 00 00-0020	EA	7.5 KW Photovoltaic Inverter (Fronius IG Plus 7.5-1)	8,385.25	117.37	
26 31 00 00-0021	EA	10 KW Photovoltaic Inverter (Fronius IG Plus 10.0-1)	13,294.09	117.37	
26 31 00 00-0022	EA	12 KW Photovoltaic Inverter (Fronius IG Plus 12.0-3-1)	15,457.95	117.37	
26 31 00 00-0023	EA	11.4 KW Photovoltaic Inverter (Fronius IG Plus 11.4-3 Delta)	12,555.77	234.75	
26 31 00 00-0024	EA	11.4 KW Photovoltaic Inverter (Fronius IG Plus 11.4-3)	15,905.38	234.75	
26 31 00 00-0025	EA	Inverter Display Stand (Fronius 4,045,894)	460.04	58.68	
26 31 00 00-0026	SMA Photovoltaic Inverters (26 31 00 00-0015)				
26 31 00 00-0027	EA	4 KW AC Photovoltaic Inverter (SMA Sunny Boy 4000TL-US-22)	3,985.48	117.37	
26 31 00 00-0028	EA	5 KW AC Photovoltaic Inverter (SMA Sunny Boy 5000TL-US-22)	4,789.42	117.37	
26 31 00 00-0029	EA	6 KW AC Photovoltaic Inverter (SMA Sunny Boy 6000TL-US-22)	5,538.65	117.37	
26 31 00 00-0030	EA	7 KW AC Photovoltaic Inverter (SMA Sunny Boy 7000TL-US-22)	6,110.62	117.37	
26 31 00 00-0031	EA	8 KW AC Photovoltaic Inverter (SMA Sunny Boy 8000TL-US-12)	5,917.95	117.37	
26 31 00 00-0032	PVPowered Photovoltaic Inverters (26 31 00 00-0015)				
26 31 00 00-0033	EA	120 Volt, 1.1 KW Photovoltaic Inverter (PVPowered PVP1100)	4,938.66	117.37	
26 31 00 00-0034	EA	240 Volt, 2 KW Photovoltaic Inverter (PVPowered PVP2000)	5,166.41	117.37	
26 31 00 00-0035	EA	240 Volt, 2.5 KW Photovoltaic Inverter (PVPowered PVP2500)	5,711.09	117.37	
26 31 00 00-0036	EA	240 Volt, 3.5 KW Photovoltaic Inverter (PVPowered PVP3500)	6,769.95	146.71	
26 31 00 00-0037	EA	208 Volt, 4.6 KW Photovoltaic Inverter (PVPowered PVP4600)	8,254.65	176.06	
26 31 00 00-0038	EA	240 Volt, 4.8 KW Photovoltaic Inverter (PVPowered PVP4800)	8,323.99	176.06	
26 31 00 00-0039	EA	240 Volt, 5.2 KW Photovoltaic Inverter (PVPowered PVP5200)	8,785.45	176.06	
26 31 00 00-0040	EA	208 Volt, 75 KW Photovoltaic Inverter (PVPowered PVP75kW)	105,012.62	938.97	
26 31 00 00-0041	EA	480 Volt, 75 KW Photovoltaic Inverter (PVPowered PVP75kW)	105,151.90	938.97	
26 31 00 00-0042	EA	208 Volt, 100 KW Photovoltaic Inverter (PVPowered PVP100kW)	113,801.99	938.97	
26 31 00 00-0043	EA	480 Volt, 100 KW Photovoltaic Inverter (PVPowered PVP100kW)	105,484.28	938.97	
26 31 00 00-0044	Sollectria Photovoltaic Inverters (26 31 00 00-0015)				
26 31 00 00-0045	EA	208 Or 480 Volt, 10 KW Photovoltaic Inverter (Sollectria PVI)	16,494.23	234.75	
26 31 00 00-0046	EA	208 Or 480 Volt, 13 KW Photovoltaic Inverter (Sollectria PVI)	16,494.23	234.75	
26 31 00 00-0047	EA	208 Volt, 15 KW, Photovoltaic Inverter (Sollectria PVI)	16,978.19	234.75	
26 31 00 00-0048	EA	480 Volt, 15 KW Photovoltaic Inverter (Sollectria PVI)	16,978.19	234.75	
26 31 00 00-0049	EA	208 Volt, 50 KW Photovoltaic Inverter (Sollectria PVI)	51,687.42	704.24	
26 31 00 00-0050	EA	480 Volt, 50 KW Photovoltaic Inverter (Sollectria PVI)	49,267.58	704.24	
26 31 00 00-0051	EA	208 Volt, 60 KW Photovoltaic Inverter (Sollectria PVI)	56,527.11	704.24	
26 31 00 00-0052	EA	480 Volt, 60 KW Photovoltaic Inverter (Sollectria PVI)	55,182.75	704.24	
26 31 00 00-0053	EA	208 Volt, 75 KW Photovoltaic Inverter (Sollectria PVI)	60,022.44	704.24	
26 31 00 00-0054	EA	480 Volt, 75 KW Photovoltaic Inverter (Sollectria PVI)	57,333.72	704.24	
26 31 00 00-0055	EA	208 Volt, 85 KW Photovoltaic Inverter (Sollectria PVI)	63,180.64	938.97	
26 31 00 00-0056	EA	480 Volt, 85 KW Photovoltaic Inverter (Sollectria PVI)	60,223.05	938.97	
26 31 00 00-0057	EA	208 Volt, 100 KW Photovoltaic Inverter (Sollectria PVI)	65,600.48	938.97	
26 31 00 00-0058	EA	480 Volt, 100 KW Photovoltaic Inverter (Sollectria PVI)	62,105.15	938.97	
26 31 00 00-0059	Xantrex Photovoltaic Inverters (26 31 00 00-0015)				
26 31 00 00-0060	EA	0.6 KW Photovoltaic Inverter (Xantrex 806-1206)	685.62	29.35	
26 31 00 00-0061	EA	1 KW Photovoltaic Inverter (Xantrex 806-1210)	747.90	29.35	
26 31 00 00-0062	EA	2 KW Photovoltaic Inverter (Xantrex 806-1220)	1,205.53	29.35	
26 31 00 00-0063	Photovoltaic DC-DC Converters (26 31)				
26 31 00 00-0064	EA	15 Amperes, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-20)	397.57	44.01	
		Note: Hazardous locations.			
26 31 00 00-0065	EA	20 Amperes, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-23)	262.15	44.01	
26 31 00 00-0066	EA	60 Amperes, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-60)	745.81	44.01	
26 31 00 00-0067	Photovoltaic Combiner Boxes (26 31)				
26 31 00 00-0068	Midnight Solar Photovoltaic Combiner Boxes (26 31 00 00-0067)				
26 31 00 00-0069	EA	3 - 150 Volt DC Breaker Or 3 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV3)	463.10	117.37	
26 31 00 00-0070	EA	6 - 150 Volt DC Breaker Or 4 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV6)	450.56	117.37	
26 31 00 00-0071	EA	12 - 150 Volt DC Breaker Or 10 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV12)	719.08	176.06	
26 31 00 00-0072	EA	6 - 300 Volt DC Breaker, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV12-250)	723.47	176.06	
26 31 00 00-0073	EA	16, 600 Volt DC Breakers, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV16)	1,130.28	176.06	
26 31 00 00-0074	SMA Photovoltaic Combiner Boxes (26 31 00 00-0067)				
26 31 00 00-0075	EA	6 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SBCB-6)	1,055.02	117.37	
26 31 00 00-0076	EA	12 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-12)	1,268.74	117.37	
26 31 00 00-0077	EA	28 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-28)	2,455.79	234.75	
26 31 00 00-0078	EA	52 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-52)	5,709.79	234.75	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0079	EA	4 Input NEMA 3R, Steel Combination DC Disconnect And Photovoltaic Combiner Box (SMA Combi-Switch)	939.36	117.37
26 31 00 00-0080 Photovoltaic Charge Controller (26 31)				
26 31 00 00-0081	EA	35 Amperes, 12 Or 24 Volt, Charge Controller (Xantrex C-35).....	315.35	44.01
26 31 00 00-0082	EA	40 Amperes, 12 Or 24 Volt, Charge Controller (Xantrex C-40).....	424.17	44.01
26 31 00 00-0083	EA	60 Amperes, 12 Or 24 Volt, Charge Controller (Xantrex C-60).....	496.72	44.01
26 31 00 00-0084	EA	Remote Digital Meter For Xantrex C-35, 40 And 60	378.23	44.01
26 31 00 00-0085	EA	MPPT Charge Controller (Xantrex XW SCC)	1,331.24	58.68
26 31 00 00-0086 Photovoltaic Batteries (26 31)				
26 31 00 00-0087 Concorde Photovoltaic Batteries (26 31 00 00-0086)				
26 31 00 00-0088	EA	34 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-340T)	296.14	17.61
26 31 00 00-0089	EA	45 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-420T)	373.11	23.47
26 31 00 00-0090	EA	49 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-490T)	404.74	23.47
26 31 00 00-0091	EA	56 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-560T)	461.81	35.21
26 31 00 00-0092	EA	69 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-690T)	527.04	35.21
26 31 00 00-0093	EA	89 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-890T)	625.76	41.08
26 31 00 00-0094	EA	104 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-1040T)	717.69	46.95
26 31 00 00-0095	EA	108 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-1080T)	709.25	46.95
26 31 00 00-0096	EA	210 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-2120T)	1,307.42	55.75
26 31 00 00-0097	EA	255 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-2580T)	1,513.33	58.68
26 31 00 00-0098 Deka Photovoltaic Batteries (26 31 00 00-0086)				
26 31 00 00-0099	EA	31 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8GU1)	307.86	29.40
26 31 00 00-0100	EA	50 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G22NF)	426.36	29.40
26 31 00 00-0101	EA	74 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G24)	631.92	29.40
26 31 00 00-0102	EA	86 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G27)	723.81	29.40
26 31 00 00-0103	EA	98 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G31)	726.23	29.40
26 31 00 00-0104	EA	183 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G4D)	1,413.03	29.40
26 31 00 00-0105	EA	225 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G8D)	1,635.51	29.40
26 31 00 00-0106 Battery Enclosures (26 31 00 00-0086)				
26 31 00 00-0107	EA	14" x 12" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge 55-2501-010)	348.88	29.35
26 31 00 00-0108	EA	22" x 16" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS1GC)	1,734.66	29.40
26 31 00 00-0109	EA	37" x 16" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS2GCL)	1,630.68	29.40
26 31 00 00-0110	EA	37" x 16" x 14.5" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS4GC)	2,174.79	29.40
26 31 00 00-0111	EA	15" x 17.1" x 8.4" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETSLCF1)	965.64	29.40
26 31 00 00-0112	EA	31" x 36" x 14" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETSBR827BP)	2,278.78	29.40
26 31 00 00-0113 Photovoltaic System Monitoring (26 31)				
26 31 00 00-0114	EA	Solar Inverter Monitor (Xantrex 864-0203)	736.94	58.68
26 31 00 00-0115	EA	Photovoltaic System Monitoring, Remote Diagnosis, Data Storage Communication Hub (SMA Sunny WebBox)	1,544.12	29.35
26 31 00 00-0116	EA	Sun Radiation And Temperature Monitor (SMA Sunny SensorBox)	1,289.06	29.35
26 31 00 00-0117	EA	PT100 Ambient Temperature Sensor For Sunny SensorBox (SMA)	232.36	29.35
26 31 00 00-0118	EA	Wind Sensor Accessory For Sunny SensorBox (SMA)	577.53	58.68
26 31 00 00-0119	EA	Sunny Boy Control with RS485 (SMA)	1,518.73	29.35
26 31 00 00-0120	EA	RS 485 Module (SMA)	340.15	29.35
26 31 00 00-0121	EA	RS 232 Module (SMA)	348.88	29.35
26 31 00 00-0122	EA	Wireless Monitor with Bluetooth (SMA Sunny Beam)	653.53	
26 31 00 00-0123	EA	Bluetooth Piggy-Back Computer Card (SMA)	353.58	29.35
26 31 00 00-0124	EA	RS485-N Communication Computer Card (SMA)	351.15	29.35
26 31 00 00-0125	EA	Bluetooth Repeater (SMA)	669.21	29.35
26 31 00 00-0126	EA	Sunny Boy PC Service Cable (SMA)	319.14	8.80
26 31 00 00-0127	EA	Integrated Revenue Grade Meter, Option (PVPowered)	6,202.94	
26 31 00 00-0128	EA	Data Monitoring Module (PVPowered PVM1010)	667.79	29.35
26 31 00 00-0129	EA	Wireless IG Personal Display (Fronius 4,240,108)	664.14	
26 31 00 00-0130	EA	DatCom Power Supply (Fronius 43,0001,2311)	217.71	
26 31 00 00-0131	EA	Wireless Card For IG Personal Display (Fronius 4,240,008,Z)	394.77	29.35
26 31 00 00-0132	EA	Retrofit Solar Inverter Interface And Power Supply Option Communication Card (Fronius 4,240,001,Z)	332.86	29.35
26 31 00 00-0133	EA	Datalogger Pro Box (Fronius 4,240,102)	1,328.97	29.35
26 31 00 00-0134	EA	Datalogger Easy Box (Fronius 4,240,103)	861.88	29.35
26 31 00 00-0135	EA	Datalogger Interface Box (Fronius 4,240,105)	1,501.34	29.35
26 31 00 00-0136	EA	Datalogger Web (Fronius 4,240,122)	2,585.20	29.35
26 31 00 00-0137	EA	Interface Box (Fronius 4,240,109)	689.14	29.35
26 31 00 00-0138	EA	Interface Card (Fronius 4,240,009,Z)	489.58	29.35
26 31 00 00-0139	EA	Interface Card Easy (Fronius 4,240,013,Z)	320.30	29.35
26 31 00 00-0140	EA	Sensor Box (Fronius 4,240,104)	1,388.31	29.35
26 31 00 00-0141	EA	Ambient Temperature Sensor (Fronius 43,0001,1188)	147.32	29.35
26 31 00 00-0142	EA	Irradiance Sensor (Fronius 43,0001,1188)	477.30	29.35
26 31 00 00-0143	EA	Module Temperature Sensor (Fronius 43,0001,1190)	532.42	29.35
26 31 00 00-0144	EA	Wind Speed Sensor (Fronius 42,0411,0027)	270.76	58.68
26 31 00 00-0145 Photovoltaic System Accessories (26 31)				
26 31 00 00-0146	EA	Four Inverter Bypass Switch (OutBack AC-IOB-100Q)	1,015.12	58.68
26 31 00 00-0147	EA	Line Communication Filter (Enphase LCF)	2,215.34	117.37
26 31 00 00-0148	EA	15 Meter RS 485 Communication Cable (SMA)	169.96	8.80
26 31 00 00-0149	EA	15 Meter RS 232 Communication Cable (SMA)	257.02	8.80

26 Electrical**26 30 Facility Electrical Power Generating and Storing Equipment****26 31 Photovoltaic Collectors**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
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26 31 00 00-0150	EA	24" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	38.51	2.91
26 31 00 00-0151	EA	36" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	41.43	2.91
26 31 00 00-0152	EA	48" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	43.08	2.91
26 31 00 00-0153	EA	72" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	47.65	2.91
26 31 00 00-0154	EA	120" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	54.51	2.91
26 31 00 00-0155	EA	240" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	86.17	5.81
26 31 00 00-0156	EA	360" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	107.45	5.81
26 31 00 00-0157	EA	420" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	140.67	8.72
26 31 00 00-0158	EA	36" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	48.79	2.91
26 31 00 00-0159	EA	120" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	68.22	2.91
26 31 00 00-0160	EA	240" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	99.88	5.81
26 31 00 00-0161	EA	360" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	134.16	5.81
26 31 00 00-0162	EA	600" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	216.89	11.62
26 31 00 00-0163	EA	1200" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	226.57	11.62
26 31 00 00-0164	EA	Lighting Kit, 9 Watt Fluorescent, 12 Volt, 4.5 Ampere Hours Battery.....	4,036.93	316.90
Note: Tamper proof enclosure.				

26 31 00 00-0165 Photovoltaic Mounting Systems (26 31)

26 31 00 00-0166	LF	Anodized Aluminum Photovoltaic Module Mounting Rail (UNIRAC SolarMount Standard)	13.38	2.94
26 31 00 00-0167	EA	Splice Bar For Photovoltaic Module Mounting Rail (UNIRAC 310229).....	36.93	14.67
26 31 00 00-0168	EA	Splice Plate For Photovoltaic Module Mounting Rail (UNIRAC 310216)	47.70	14.67
26 31 00 00-0169	EA	8" x 3/8" Hanger Bolt (UNIRAC 310046).....	25.62	5.87
Note: Supports mounting rail above tile or metal roof.				
26 31 00 00-0170	EA	Mounting Rail Grounding Clip (UNIRAC 980006).....	11.81	4.40
Note: One grounding clip for every two top mounting clamps (end clamps + mid clamps) in your installation. Only one of the two rails in each row requires grounding clips.				
26 31 00 00-0171	EA	Mounting Rail Grounding Lugs (UNIRAC 980012)	26.12	5.87
Note: Two grounding lugs for each rail splice and one additional lug for each rail.				
26 31 00 00-0172	EA	Anodized Aluminum Photovoltaic Module Mounting End Clamp (UNIRAC 320002)	6.92	1.96
Note: Four for each row of modules you plan to mount.				
26 31 00 00-0173	EA	Anodized Aluminum Photovoltaic Module Mounting Mid Clamp (UNIRAC 320008)	7.27	1.96
Note: For each row, take one less than the number of modules in the row and multiply that figure by 2.				
26 31 00 00-0174	EA	Photovoltaic Module Mount L-Feet (UNIRAC 310065)	17.77	5.87
26 31 00 00-0175	EA	12" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310121)	107.09	29.35
Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.				
26 31 00 00-0176	EA	30" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310122)	119.28	29.35
Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.				
26 31 00 00-0177	EA	44" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310123)	129.10	29.35
Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.				
26 31 00 00-0178	EA	12" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310107)	157.10	44.01
Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.				
26 31 00 00-0179	EA	44" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310108)	193.66	44.01
Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.				
26 31 00 00-0180	EA	72" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310109)	226.84	44.01
Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.				
26 31 00 00-0181	EA	18" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310111)	247.38	58.68
Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.				
26 31 00 00-0182	EA	64" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310112)	334.73	58.68
Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.				
26 31 00 00-0183	EA	104" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310110)	469.25	88.03
Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.				
26 31 00 00-0184	EA	Ballasted Photovoltaic Module Frame (UNIRAC 310351).....	228.87	
Note: Excludes ballast.				
26 31 00 00-0185	EA	Ballasted Photovoltaic Module Frame With Module Mount (UNIRAC 310355).....	428.39	
Note: Excludes ballast.				
26 31 00 00-0186	EA	3" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310051).....	82.75	29.35
26 31 00 00-0187	EA	4" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310052).....	83.87	29.35
26 31 00 00-0188	EA	6" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310053).....	84.89	29.35
26 31 00 00-0189	EA	7" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310054).....	87.46	29.35
26 31 00 00-0190	EA	3" High Aluminum Photovoltaic Module Standoff (UNIRAC 310553).....	75.95	29.35
26 31 00 00-0191	EA	4" High Aluminum Photovoltaic Module Standoff (UNIRAC 310554).....	77.24	29.35
26 31 00 00-0192	EA	6" High Aluminum Photovoltaic Module Standoff (UNIRAC 310555).....	81.03	29.35
26 31 00 00-0193	EA	7" High Aluminum Photovoltaic Module Standoff (UNIRAC 310556).....	79.95	29.35
26 31 00 00-0194	EA	3" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310390)	161.84	44.01
26 31 00 00-0195	EA	4" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310391)	162.62	44.01
26 31 00 00-0196	EA	7" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310394)	164.92	44.01
26 31 00 00-0197	EA	Photovoltaic Module Rapidfoot Standoff Assembly (UNIRAC 310370)	162.51	44.01
26 31 00 00-0198	EA	Photovoltaic Module Standoff Flashing (UNIRAC 990103).....	33.01	5.87
26 31 00 00-0199	EA	Photovoltaic Module Standoff Ethylene Propylene Diene Monomer (EPDM) Patch (UNIRAC 990161)	21.25	5.87
26 31 00 00-0200	EA	1/4" Photovoltaic Module Standing Seam Metal Roof Mounting Block (UNIRAC 004030M-0100)	40.90	8.80
26 31 00 00-0201	EA	3/8" Photovoltaic Module Standing Seam Metal Roof Mounting Block (UNIRAC 004031M-0100)	42.66	8.80
26 31 00 00-0202	EA	Photovoltaic Module Standing Seam Metal Roof Mounting Clamp (UNIRAC 004032M-0100).....	12.04	1.96
Note: Mid or end clamp.				
26 31 00 00-0203	EA	Photovoltaic Module Tile Roof Mounting Hook (UNIRAC 905011C-0024)	55.64	5.87
26 31 00 00-0204	EA	Photovoltaic Module Wire Clip (UNIRAC 908002S-0100).....	2.70	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 32 Packaged Generator Assemblies (26 30)

26 32 13 Engine Generators (26 32)

See CSI section 23 13 23 13-0001 for fuel storage tanks.

26 32 13 13 Diesel-Engine-Driven Generator Sets (26 32 13)

See CSI section 01 22 23 00-0846 for fuel reimbursement for commissioning.

26 32 13 13-0001 Diesel Generator Sets (Cummins) (26 32 13 13)

Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad without enclosure. Includes manufacturer's representative at startup. Excludes fuel, fuel tank, enclosure, active diesel particulate filter, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0825 for loadbank rental, 01 22 23 00-0846 for fuel reimbursement, 23 13 23 13-0001 for fuel day tank, 26 36 23 00-0000 for automatic transfer switch.

26 32 13 13-0002	EA 20 KW, 3 Phase, Standby Diesel Generator Set (Cummins).....	33,619.40	1,028.09
	For Weather Resistant Steel Diesel Generator Enclosure, Add	5,129.38	
	For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	12,070.42	
	For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	16,093.89	
	For Weather Resistant Aluminum Diesel Generator Enclosure, Add	13,060.29	
	For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	18,944.48	
	For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	25,259.31	
	For Single Phase, Add	1,266.91	
26 32 13 13-0003	EA 25 KW, 3 Phase, Standby Diesel Generator Set (Cummins).....	35,358.44	1,085.92
	For Weather Resistant Steel Diesel Generator Enclosure, Add	5,129.38	
	For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	12,070.42	
	For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	16,093.89	
	For Weather Resistant Aluminum Diesel Generator Enclosure, Add	13,060.29	
	For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	18,944.48	
	For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	25,259.31	
26 32 13 13-0004	EA 30 KW, 3 Phase, Standby Diesel Generator Set (Cummins).....	37,116.74	1,146.96
	For Weather Resistant Steel Diesel Generator Enclosure, Add	5,129.38	
	For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	12,070.42	
	For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	16,093.89	
	For Weather Resistant Aluminum Diesel Generator Enclosure, Add	13,060.29	
	For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	18,944.48	
	For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	25,259.31	
	For Single Phase, Add	1,397.02	
26 32 13 13-0005	EA 35 KW, 3 Phase, Standby Diesel Generator Set (Cummins).....	37,861.84	1,265.84
	For Weather Resistant Steel Diesel Generator Enclosure, Add	5,129.38	
	For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	12,070.42	
	For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	16,093.89	
	For Weather Resistant Aluminum Diesel Generator Enclosure, Add	13,060.29	
	For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	18,944.48	
	For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	25,259.31	
26 32 13 13-0006	EA 40 KW, 3 Phase, Standby Diesel Generator Set (Cummins).....	38,619.94	1,387.92
	For Weather Resistant Steel Diesel Generator Enclosure, Add	5,129.38	
	For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	12,070.42	
	For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	16,093.89	
	For Weather Resistant Aluminum Diesel Generator Enclosure, Add	13,060.29	
	For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	18,944.48	
	For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	25,259.31	
26 32 13 13-0007	EA 50 KW, 3 Phase, Standby Diesel Generator Set (Cummins).....	45,337.50	1,593.54
	For Weather Resistant Steel Diesel Generator Enclosure, Add	5,129.38	
	For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	12,070.42	
	For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	16,093.89	
	For Weather Resistant Aluminum Diesel Generator Enclosure, Add	13,060.29	
	For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	18,944.48	
	For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	25,259.31	
26 32 13 13-0008	EA 60 KW, 3 Phase, Standby Diesel Generator Set (Cummins).....	48,855.54	1,831.29
	For Weather Resistant Steel Diesel Generator Enclosure, Add	5,129.38	
	For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	12,070.42	
	For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	16,093.89	
	For Weather Resistant Aluminum Diesel Generator Enclosure, Add	13,060.29	
	For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	18,944.48	
	For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	25,259.31	
26 32 13 13-0009	EA 80 KW, 3 Phase, Standby Diesel Generator Set (Cummins).....	57,411.49	2,146.14
	For Weather Resistant Steel Diesel Generator Enclosure, Add	5,129.38	
	For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	12,070.42	
	For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	16,093.89	
	For Weather Resistant Aluminum Diesel Generator Enclosure, Add	13,060.29	
	For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	18,944.48	
	For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	25,259.31	
26 32 13 13-0010	EA 100 KW, 3 Phase, Standby Diesel Generator Set (Cummins).....	61,712.46	2,493.12
	For Weather Resistant Steel Diesel Generator Enclosure, Add	7,780.18	
	For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	18,454.63	
	For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	24,606.17	
	For Weather Resistant Aluminum Diesel Generator Enclosure, Add	16,756.59	
	For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	20,144.88	
	For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	26,859.84	
26 32 13 13-0011	EA 125 KW, 3 Phase, Standby Diesel Generator Set (Cummins).....	63,095.45	2,955.76
	For Weather Resistant Steel Diesel Generator Enclosure, Add	7,780.18	
	For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	18,454.63	
	For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	24,606.17	
	For Weather Resistant Aluminum Diesel Generator Enclosure, Add	16,756.59	
	For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	20,144.88	
	For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	26,859.84	

26 Electrical**26 30 Facility Electrical Power Generating and Storing Equipment****26 32 Packaged Generator Assemblies**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 32 13 13-0012	EA 150 KW, 3 Phase, Standby Diesel Generator Set (Cummins).....	69,753.12		3,257.76
	For Weather Resistant Steel Diesel Generator Enclosure, Add	7,780.18		
	For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	18,454.63		
	For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	24,606.17		
	For Weather Resistant Aluminum Diesel Generator Enclosure, Add	16,756.59		
	For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	20,144.88		
	For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	26,859.84		
26 32 13 13-0013	EA 175 KW, 3 Phase, Standby Diesel Generator Set (Cummins).....	73,296.92		3,636.87
	For Weather Resistant Steel Diesel Generator Enclosure, Add	7,780.18		
	For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	18,454.63		
	For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	24,606.17		
	For Weather Resistant Aluminum Diesel Generator Enclosure, Add	16,756.59		
	For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	20,144.88		
	For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	26,859.84		
26 32 13 13-0014	EA 200 KW, 3 Phase, Standby Diesel Generator Set (Cummins).....	77,915.29		3,983.85
	For Weather Resistant Steel Diesel Generator Enclosure, Add	7,780.18		
	For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	18,454.63		
	For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	24,606.17		
	For Weather Resistant Aluminum Diesel Generator Enclosure, Add	16,756.59		
	For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	20,144.88		
	For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	26,859.84		
26 32 13 13-0015	EA 230 KW, 3 Phase, Standby Diesel Generator Set (Cummins).....	84,036.26		4,208.74
	For Weather Resistant Steel Diesel Generator Enclosure, Add	7,780.18		
	For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	18,454.63		
	For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	24,606.17		
	For Weather Resistant Aluminum Diesel Generator Enclosure, Add	16,756.59		
	For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	20,144.88		
	For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	26,859.84		
26 32 13 13-0016	EA 250 KW, 3 Phase, Standby Diesel Generator Set (Cummins).....	87,605.01		4,382.24
	For Weather Resistant Steel Diesel Generator Enclosure, Add	50,456.40		
	For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	55,869.88		
	For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	74,493.17		
	For Weather Resistant Aluminum Diesel Generator Enclosure, Add	61,196.04		
	For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	68,293.77		
	For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	91,058.36		
26 32 13 13-0017	EA 275 KW, 3 Phase, Standby Diesel Generator Set (Cummins).....	95,367.58		4,619.98
	For Weather Resistant Steel Diesel Generator Enclosure, Add	50,456.40		
	For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	55,869.88		
	For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	74,493.17		
	For Weather Resistant Aluminum Diesel Generator Enclosure, Add	61,196.04		
	For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	68,293.77		
	For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	91,058.36		
26 32 13 13-0018	EA 300 KW, 3 Phase, Standby Diesel Generator Set (Cummins).....	97,427.48		4,825.60
	For Weather Resistant Steel Diesel Generator Enclosure, Add	50,456.40		
	For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	55,869.88		
	For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	74,493.17		
	For Weather Resistant Aluminum Diesel Generator Enclosure, Add	61,196.04		
	For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	68,293.77		
	For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	91,058.36		
26 32 13 13-0019	EA 350 KW, 3 Phase, Standby Diesel Generator Set (Cummins).....	109,891.40		5,397.47
	For Weather Resistant Steel Diesel Generator Enclosure, Add	50,456.40		
	For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	55,869.88		
	For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	74,493.17		
	For Weather Resistant Aluminum Diesel Generator Enclosure, Add	61,196.04		
	For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	68,293.77		
	For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	91,058.36		
26 32 13 13-0020	EA 400 KW, 3 Phase, Standby Diesel Generator Set (Cummins).....	118,328.62		5,911.52
	For Weather Resistant Steel Diesel Generator Enclosure, Add	50,456.40		
	For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	55,869.88		
	For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	74,493.17		
	For Weather Resistant Aluminum Diesel Generator Enclosure, Add	61,196.04		
	For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	68,293.77		
	For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	91,058.36		
26 32 13 13-0021	EA 450 KW, 3 Phase, Standby Diesel Generator Set (Cummins).....	133,673.71		6,367.74
	For Weather Resistant Steel Diesel Generator Enclosure, Add	50,456.40		
	For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	55,869.88		
	For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	74,493.17		
	For Weather Resistant Aluminum Diesel Generator Enclosure, Add	61,196.04		
	For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	68,293.77		
	For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	91,058.36		
26 32 13 13-0022	EA 500 KW, 3 Phase, Standby Diesel Generator Set (Cummins).....	140,614.43		6,785.40
	For Weather Resistant Steel Diesel Generator Enclosure, Add	50,456.40		
	For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	55,869.88		
	For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	74,493.17		
	For Weather Resistant Aluminum Diesel Generator Enclosure, Add	61,196.04		
	For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	68,293.77		
	For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	91,058.36		
26 32 13 13-0023	EA 600 KW, 3 Phase, Standby Diesel Generator Set (Cummins).....	204,682.83		7,472.93
	For Weather Resistant Steel Diesel Generator Enclosure, Add	103,073.17		
	For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	124,124.18		
	For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	165,498.90		
	For Weather Resistant Aluminum Diesel Generator Enclosure, Add	121,234.12		
	For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	144,602.80		
	For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	192,803.73		
26 32 13 13-0024	EA 750 KW, 3 Phase, Standby Diesel Generator Set (Cummins).....	234,446.91		8,218.29
	For Weather Resistant Steel Diesel Generator Enclosure, Add	103,073.17		
	For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	124,124.18		
	For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	165,498.90		
	For Weather Resistant Aluminum Diesel Generator Enclosure, Add	121,234.12		
	For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	144,602.80		
	For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	192,803.73		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 13-0025	EA	800 KW, 3 Phase, Standby Diesel Generator Set (Cummins)..... For Weather Resistant Steel Diesel Generator Enclosure, Add For Quietsite Level 1 Steel Diesel Generator Enclosure, Add For Quietsite Level 2 Steel Diesel Generator Enclosure, Add For Weather Resistant Aluminum Diesel Generator Enclosure, Add For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	244,842.72 103,073.17 124,124.18 165,498.90 121,234.12 144,602.80 192,803.73	8,398.21
26 32 13 13-0026	EA	900 KW, 3 Phase, Standby Diesel Generator Set (Cummins)..... For Weather Resistant Steel Diesel Generator Enclosure, Add For Quietsite Level 1 Steel Diesel Generator Enclosure, Add For Quietsite Level 2 Steel Diesel Generator Enclosure, Add For Weather Resistant Aluminum Diesel Generator Enclosure, Add For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	298,804.15 103,073.17 124,124.18 165,498.90 121,234.12 144,602.80 192,803.73	9,053.62
26 32 13 13-0027	EA	1,000 KW, 3 Phase, Standby Diesel Generator Set (Cummins)..... For Weather Resistant Steel Diesel Generator Enclosure, Add For Quietsite Level 1 Steel Diesel Generator Enclosure, Add For Quietsite Level 2 Steel Diesel Generator Enclosure, Add For Weather Resistant Aluminum Diesel Generator Enclosure, Add For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	333,764.15 103,073.17 124,124.18 165,498.90 121,234.12 144,602.80 192,803.73	9,638.34
26 32 13 13-0028 Diesel Particulate Filters (26 32 13 13)				
26 32 13 13-0029	EA	Up To 50 KW Diesel Generator, Active Diesel Particulate Filter With Stainless Steel Enclosure Note: Includes 304 stainless steel housing, CARB Level 3+ Verified, and 4KW rated. Requires 480 volt, 3 phase power to a supplied 20 amp CB.	37,104.50	
26 32 13 13-0030	EA	>50 To 75 KW Diesel Generator, Active Diesel Particulate Filter With Stainless Steel Enclosure..... Note: Includes 304 stainless steel housing, CARB Level 3+ Verified, and 4KW rated. Requires 480 volt, 3 phase power to a supplied 20 amp CB.	48,516.45	
26 32 13 13-0031	EA	>75 To 100 KW Diesel Generator, Active Diesel Particulate Filter With Stainless Steel Enclosure..... Note: Includes 304 stainless steel housing, CARB Level 3+ Verified, and 4KW rated. Requires 480 volt, 3 phase power to a supplied 20 amp CB.	58,788.36	
26 32 13 13-0032	EA	>100 To 200 KW Diesel Generator, Active Diesel Particulate Filter With Stainless Steel Enclosure..... Note: Includes 304 stainless steel housing, CARB Level 3+ Verified, and 4KW rated. Requires 480 volt, 3 phase power to a supplied 20 amp CB.	72,120.76	
26 32 13 13-0033	EA	>200 To 500 KW Diesel Generator, Active Diesel Particulate Filter With Stainless Steel Enclosure..... Note: Includes 304 stainless steel housing, CARB Level 3+ Verified, and 4KW rated. Requires 480 volt, 3 phase power to a supplied 20 amp CB.	84,776.87	
26 32 13 13-0034	EA	>500 To 1,000 KW Diesel Generator, Active Diesel Particulate Filter With Stainless Steel Enclosure..... Note: Includes 304 stainless steel housing, CARB Level 3+ Verified, and 4KW rated. Requires 480 volt, 3 phase power to a supplied 20 amp CB.	105,910.91	
26 32 13 19 Natural Gas-Engine-Driven Generator Sets (26 32 13)				
26 32 13 19-0001 Natural Gas Or Propane Generator Sets (Cummins) (26 32 13 19)				
Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad without enclosure. Includes manufacturer's representative at startup. Excludes fuel, fuel tank, enclosure, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0825 for loadbank rental, 01 22 23 00-0846 for fuel reimbursement, 26 36 23 00-0000 for automatic transfer switches.				
26 32 13 19-0002	EA	20 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMA) For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	14,987.74 4,665.25 12,070.42 16,093.89 5,052.81 8,383.09	861.02
26 32 13 19-0003	EA	25 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMB) For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	16,935.35 4,665.25 12,070.42 16,093.89 5,052.81 8,383.09	1,028.09
26 32 13 19-0004	EA	29 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMC) For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	19,559.27 4,665.25 12,070.42 16,093.89 5,052.81 8,383.09	1,143.75
26 32 13 19-0005	EA	35 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPA) For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	22,197.74 4,665.25 12,070.42 16,093.89 14,292.39 23,988.92	1,265.84
26 32 13 19-0006	EA	40 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPB) For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	24,920.88 4,665.25 12,070.42 16,093.89 14,292.39 23,988.92	1,387.92
26 32 13 19-0007	EA	45 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPC) For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	27,013.68 4,665.25 12,070.42 16,093.89 14,292.39 23,988.92	1,497.15

26 Electrical**26 30 Facility Electrical Power Generating and Storing Equipment****26 32 Packaged Generator Assemblies**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 32 13 19-0008	EA	60 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHE)	29,556.28	1,831.29
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	4,665.25	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	12,070.42	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	16,093.89	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	14,292.39	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	23,988.92	
26 32 13 19-0009	EA	70 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHF)	31,717.27	2,049.76
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	4,665.25	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	12,070.42	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	16,093.89	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	14,292.39	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	23,988.92	
26 32 13 19-0010	EA	85 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHG)	41,660.18	2,191.11
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	8,502.70	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	18,454.63	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	24,606.17	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	16,756.59	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	23,988.92	
26 32 13 19-0011	EA	100 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHH)	50,214.55	2,467.41
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	8,502.70	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	18,454.63	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	24,606.17	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	16,756.59	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	23,988.92	
26 32 13 19-0012	EA	125 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGLA)	57,502.71	2,955.76
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	8,502.70	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	18,454.63	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	24,606.17	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	16,756.59	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	23,988.92	
26 32 13 19-0013	EA	150 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGLB)	68,362.88	3,257.76
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	8,502.70	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	18,454.63	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	24,606.17	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	16,756.59	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	23,988.92	
26 32 13 19-0014	EA	175 KW Natural Gas Generator Set, 3 Phase (Cummins GFBA)	110,656.69	8,665.39
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	45,374.87	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	50,228.52	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	66,971.36	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	49,611.87	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	74,447.71	
26 32 13 19-0015	EA	205 KW Natural Gas Generator Set, 3 Phase (Cummins GFBB)	125,635.56	3,913.17
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	45,374.87	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	50,228.52	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	66,971.36	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	49,611.87	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	74,447.71	
26 32 13 19-0016	EA	250 KW Natural Gas Generator Set, 3 Phase (Cummins GFBC)	135,101.77	4,382.24
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	45,374.87	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	50,228.52	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	66,971.36	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	49,611.87	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	74,447.71	
26 32 13 19-0017	EA	300 KW Natural Gas Generator Set, 3 Phase (Cummins GFCA)	174,760.89	4,825.60
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	45,374.87	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	50,228.52	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	66,971.36	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	49,611.87	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	74,447.71	
26 32 13 19-0018	EA	350 KW Natural Gas Generator Set, 3 Phase (Cummins GFEB)	187,585.35	5,397.47
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	45,374.87	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	50,228.52	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	66,971.36	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	49,611.87	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	74,447.71	
26 32 13 19-0019	EA	450 KW Natural Gas Generator Set, 3 Phase (Cummins GFCA)	263,597.33	6,367.74
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	99,077.80	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	105,269.42	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	140,359.22	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	112,535.23	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	159,051.30	
26 32 13 19-0020	EA	500 KW Natural Gas Generator Set, 3 Phase (Cummins GFJB)	337,142.66	6,785.40
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	99,077.80	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	105,269.42	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	140,359.22	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	112,535.23	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	159,051.30	
26 32 13 19-0021	EA	550 KW Natural Gas Generator Set, 3 Phase (Cummins GFJC)	377,274.84	7,151.66
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	99,077.80	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	105,269.42	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	140,359.22	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	112,535.23	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	159,051.30	
26 32 13 19-0022	EA	600 KW Natural Gas Generator Set, 3 Phase (Cummins GFJA)	429,758.45	7,472.93
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	99,077.80	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	105,269.42	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	140,359.22	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	112,535.23	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	159,051.30	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 32 13 19-0023	EA		650 KW Natural Gas Generator Set, 3 Phase (Cummins GFLB) For Weather Resistant Steel Natural Gas Generator Enclosure, Add For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add EA 725 KW Natural Gas Generator Set, 3 Phase (Cummins GFLC) For Weather Resistant Steel Natural Gas Generator Enclosure, Add For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	449,363.00 99,077.80 105,269.42 140,359.22 112,535.23 159,051.30 475,301.54 99,077.80 105,269.42 140,359.22 112,535.23 159,051.30	7,755.66 8,288.98
26 32 13 19-0024	EA		725 KW Natural Gas Generator Set, 3 Phase (Cummins GFLC) For Weather Resistant Steel Natural Gas Generator Enclosure, Add For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	475,301.54 99,077.80 105,269.42 140,359.22 112,535.23 159,051.30	8,288.98
26 32 13 19-0025			Small Natural Gas Or Propane Air-Cooled Generator Sets (26 32 13 19)		
26 32 13 19-0026	EA		7.5 KW Natural Gas Or Propane Air-Cooled Generator Set Note: Includes weatherproof composite enclosure and 100 A automatic transfer switch.	5,058.70	543.58
26 32 13 19-0027	EA		10 KW Natural Gas Or Propane Air-Cooled Generator Set Note: Includes weatherproof composite enclosure and 200 A automatic transfer switch.	6,390.46	603.98
26 32 13 19-0028	EA		14 KW Natural Gas Or Propane Air-Cooled Generator Set Note: Includes weatherproof composite enclosure and 200 A automatic transfer switch.	7,375.00	664.39

26 32 29 Rotary Converters (26 32)

26 32 29 00-0001			60 Hz AC Input 230 Or 460 Volt, 125 Volt DC Output (26 32 29)		
26 32 29 00-0002	EA		3 KW, 24 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	10,090.57	234.75
26 32 29 00-0003	EA		5 KW, 40 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	12,303.66	234.75
26 32 29 00-0004	EA		7.5 KW, 60 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	16,317.81	234.75
26 32 29 00-0005	EA		10 KW, 80 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	16,446.63	234.75
26 32 29 00-0006	EA		15 KW, 120 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	18,248.53	293.43
26 32 29 00-0007	EA		20 KW, 160 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	19,769.13	293.43
26 32 29 00-0008	EA		25 KW, 200 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	20,704.21	293.43
26 32 29 00-0009	EA		40 KW, 320 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	25,203.84	387.32
26 32 29 00-0010	EA		50 KW, 400 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	28,022.89	387.32

26 32 29 00-0011 60 Hz AC Input, 230 Or 460 Volt, 250 Volts DC Output (26 32 29)

26 32 29 00-0012	EA		3 KW, 12 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	11,692.73	234.75
26 32 29 00-0013	EA		5 KW, 20 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	13,954.37	234.75
26 32 29 00-0014	EA		7.5 KW, 30 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	15,969.21	234.75
26 32 29 00-0015	EA		10 KW, 40 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	16,413.94	234.75
26 32 29 00-0016	EA		15 KW, 60 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	18,584.99	293.43
26 32 29 00-0017	EA		20 KW, 80 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	20,446.41	293.43
26 32 29 00-0018	EA		25 KW, 100 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	21,123.69	293.43
26 32 29 00-0019	EA		40 KW, 160 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	25,103.34	387.32
26 32 29 00-0020	EA		50 KW, 200 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	26,637.05	387.32

26 32 29 00-0021 460 Volt 3 Phase AC Motor Drive 250 Volt DC (26 32 29)

26 32 29 00-0022	EA		33 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	28,504.14	4,497.89
26 32 29 00-0023	EA		40 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	31,511.30	4,497.89
26 32 29 00-0024	EA		50 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	35,788.83	6,425.57
26 32 29 00-0025	EA		65 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	41,877.65	6,425.57
26 32 29 00-0026	EA		85 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	47,626.46	6,425.57
26 32 29 00-0027	EA		100 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	55,762.86	9,638.34
26 32 29 00-0028	EA		125 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	67,405.91	9,638.34

26 32 29 00-0029 4,160 Volt 3 Phase AC Motor Drive 250 Or 500 Volt DC (26 32 29)

26 32 29 00-0030	EA		170 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	99,481.27	12,851.13
26 32 29 00-0031	EA		200 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	108,358.88	12,851.13
26 32 29 00-0032	EA		240 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	130,415.70	16,706.46
26 32 29 00-0033	EA		320 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	148,177.55	20,304.78
26 32 29 00-0034	EA		400 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	175,743.56	20,304.78
26 32 29 00-0035	EA		560 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	249,513.64	30,328.66
26 32 29 00-0036	EA		640 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	257,770.66	30,328.66
26 32 29 00-0037	EA		800 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	297,090.70	35,340.60

26 33 Battery Equipment (26 30)

26 33 13 Batteries (26 33)

26 33 13 00-0001			Standby Batteries (26 33 13)		
26 33 13 00-0002	EA		12 Volt, 100 Ampere Hours To 10.5 Volt Capacity, 6-Cell, Valve Regulated Lead-Calcium, Standby Battery	1,235.89	29.40
26 33 13 00-0003	EA		12 Volt, 100 Ampere Hours To 10.5 Volt Capacity, 6-Cell, Valve Regulated Lead-Calcium, Standby Battery With Steel Jacket	1,335.64	29.40
26 33 13 00-0004	EA		725CCA, Group 31, 12 Volt Lead Calcium Standby Battery	394.56	29.40
26 33 13 00-0005	EA		810CCA, Group 24, 12 Volt Lead Calcium Standby Battery	357.63	29.40
26 33 13 00-0006	EA		1080CCA, Group 4D, 12 Volt Lead Calcium Standby Battery	620.95	29.40
26 33 13 00-0007	EA		1400CCA, Group 8D, 12 Volt Lead Calcium Standby Battery	722.99	29.40

26 33 43 Battery Chargers (26 33)

26	26	Electrical
	26 30	Facility Electrical Power Generating and Storing Equipment
	26 33	Battery Equipment

MINOR		DESCRIPTION	TOTAL DIRECT		DEMOLITION
CSI	UOM		UNIT COST		UNIT COST
26 33 43 00-0001		Solid State Chargers, Single Phase (26 33 43) Note: Includes wall bracket, 10' of DC charging cable and standard connector, 208/240/480 V.			
26 33 43 00-0002	EA	Solid State Battery Charger, 6 Cell Single Phase With Wall Bracket, 208/240/480 Volt.....	3,410.19		670.19
26 33 43 00-0003	EA	Solid State Battery Charger, 9 Cell Single Phase With Wall Bracket, 208/240/480 Volt.....	3,993.33		670.19
26 33 43 00-0004	EA	Solid State Battery Charger, 12 Cell Single Phase With Wall Bracket, 208/240/480 Volt.....	4,398.16		670.19
26 33 43 00-0005	EA	Solid State Battery Charger, 18 Cell Single Phase With Wall Bracket, 208/240/480 Volt.....	4,647.29		793.51
26 33 53		Static Uninterruptible Power Supply (26 33)			
26 33 53 00-0001		Single Phase, Uninterruptible Power Supply Systems (UPS) (26 33 53)			
26 33 53 00-0002		Single Phase, Uninterruptible Power Supply Systems (UPS) (26 33 53 00-0001)			
26 33 53 00-0003		120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (26 33 53 00-0002) Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.			
26 33 53 00-0004	EA	0.5 KVA, 450 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-500RT120).....	1,166.83		116.20
		Note: Includes 12 minutes of battery backup at full load.			
26 33 53 00-0005	EA	0.7 KVA, 630 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-700RT120).....	1,394.38		135.57
		Note: Includes 6 minutes of battery backup at full load.			
26 33 53 00-0006	EA	1 KVA, 900 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1000RT120).....	1,720.86		154.93
		Note: Includes 5 minutes of battery backup at full load.			
26 33 53 00-0007	EA	1.5 KVA, 1,350 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1500RT120).....	2,104.86		174.30
		Note: Includes 5 minutes of battery backup at full load.			
26 33 53 00-0008	EA	2 KVA, 1,800 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-2000RT120).....	2,706.30		193.66
		Note: Includes 4 minutes of battery backup at full load.			
26 33 53 00-0009	EA	3 KVA, 2,700 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT120).....	4,372.85		232.40
		Note: Includes 4 minutes of battery backup at full load.			
26 33 53 00-0010		208 Volt AC Output, 208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (26 33 53 00-0002) Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.			
26 33 53 00-0011	EA	3 KVA, 2,700 Watt, 208 Volt AC Output, 208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT208).....	4,291.58		232.40
		Note: Includes 4 minutes of battery backup at full load.			
26 33 53 00-0012		120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (26 33 53 00-0002) Note: Rack mount or tower configuration. Includes 50 or 60 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.			
26 33 53 00-0013	EA	5 KVA, 4,000 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-5000RT208).....	6,628.86		309.87
		Note: Includes 5 minutes of battery backup at full load.			
26 33 53 00-0014	EA	6 KVA, 4,800 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-6000RT208).....	7,247.44		348.60
		Note: Includes 4 minutes of battery backup at full load.			
26 33 53 00-0015	EA	8 KVA, 7,200 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-8000RT208).....	10,854.01		426.06
		Note: Includes 7 minutes of battery backup at full load.			
26 33 53 00-0016	EA	10 KVA, 9,000 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-10000RT208).....	12,481.27		464.79
		Note: Includes 4-1/2 minutes of battery backup at full load.			
26 33 53 00-0017		230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (26 33 53 00-0002) Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.			
26 33 53 00-0018	EA	0.7 KVA, 630 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-700RT230).....	1,394.38		135.57
		Note: Includes 11 minutes of battery backup at full load.			
26 33 53 00-0019	EA	1 KVA, 900 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1000RT230).....	1,720.86		154.93
		Note: Includes 6 minutes of battery backup at full load.			
26 33 53 00-0020	EA	1.5 KVA, 1,350 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1500RT230).....	2,128.87		174.30
		Note: Includes 4 minutes of battery backup at full load.			
26 33 53 00-0021	EA	2 KVA, 1,800 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-2000RT230).....	2,712.09		193.66
		Note: Includes 4 minutes of battery backup at full load.			
26 33 53 00-0022	EA	3 KVA, 2,700 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT230).....	4,390.89		232.40
		Note: Includes 4 minutes of battery backup at full load.			
26 33 53 00-0023	EA	5 KVA, 4,000 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-5000RT230).....	6,357.45		309.87
		Note: Includes 9 minutes of battery backup at full load.			

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 33 53 00-0024	EA	6 KVA, 4,800 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (Liebert® GXT3-6000RT230) Note: Includes 6 minutes of battery backup at full load.	7,811.72	348.60
26 33 53 00-0025	EA	10 KVA, 9,000 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-10000RT230) Note: Includes 3 minutes of battery backup at full load.	12,093.28	464.79
26 33 53 00-0026		Optional Accessories For Single Phase, Uninterruptible Power Supply Systems (26 33 53 00-0001)		
26 33 53 00-0027	EA	External Battery Cabinet For 0.5 To 2 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-48VBATT) Note: Rack mount or tower configuration.	783.57	35.21
26 33 53 00-0028	EA	External Battery Cabinet For 3 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-72VBATT) Note: Rack mount or tower configuration.	1,027.70	35.21
26 33 53 00-0029	EA	External Battery Cabinet For 5 To 6 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-144VBATT) Note: Rack mount or tower configuration.	1,000.53	35.21
26 33 53 00-0030	EA	External Battery Cabinet For 8 To 10 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-288RTVBATT) Note: Rack mount or tower configuration.	678.39	35.21
26 33 53 00-0031	EA	Internal Replacement Battery For 5 To 6 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-144VBATKIT)	988.26	116.20
26 33 53 00-0032	EA	Internal Replacement Battery For 8 To 10 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-288RTBKIT)	1,105.64	154.93
26 33 53 00-0033		Three Phase, Uninterruptible Power Supply Systems (UPS) (26 33 53)		
26 33 53 00-0034		208 Volt AC Output, 120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) With Internal Battery (26 33 53 00-0033) Note: Includes start-up, 60 Hz frequency, bypass switch and diagnostics.		
26 33 53 00-0035	EA	10 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS)	42,992.70	464.79
26 33 53 00-0036	EA	15 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS)	47,580.44	619.72
26 33 53 00-0037	EA	20 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS)	53,172.62	774.66
26 33 53 00-0038	EA	30 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS)	57,659.90	929.59
26 33 53 00-0039	EA	40 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS)	69,379.23	1,084.52
26 33 53 00-0040		208 Volt AC Output, 120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) Without Internal Battery (26 33 53 00-0033) Note: Excludes Internal Battery See CSI section 26 33 53 00-0055 for batteries.		
26 33 53 00-0041	EA	60 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	94,075.13	1,848.61
26 33 53 00-0042	EA	80 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	102,234.85	2,288.75
26 33 53 00-0043	EA	100 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	113,051.30	2,670.22
26 33 53 00-0044	EA	120 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	139,653.42	3,022.34
26 33 53 00-0045	EA	140 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	144,945.38	3,374.45
26 33 53 00-0046	EA	160 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	150,687.67	3,726.57
26 33 53 00-0047	EA	180 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	157,635.30	4,078.69
26 33 53 00-0048	EA	200 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	164,582.93	4,430.80
26 33 53 00-0049		480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) Without Internal Battery (26 33 53 00-0033) Note: Excludes Internal Battery See CSI section 26 33 53 00-0055 for batteries.		
26 33 53 00-0050	EA	50 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	87,834.01	1,525.84
26 33 53 00-0051	EA	100 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	113,653.97	2,681.95
26 33 53 00-0052	EA	150 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	155,436.81	3,098.62
26 33 53 00-0053	EA	200 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	183,143.82	3,403.80
26 33 53 00-0054	EA	250 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	214,265.96	3,755.91
26 33 53 00-0055		Optional Accessories For Three Phase, Uninterruptible Power Supply Systems (26 33 53 00-0033)		
26 33 53 00-0056	EA	Programmable Relay Board For Three Phase Uninterruptible Power Supply Systems	695.59	58.68
26 33 53 00-0057	EA	Network Interface Card For Three Phase Uninterruptible Power Supply Systems	1,123.93	58.68
26 33 53 00-0058	EA	Remote Status Panel With 100' Of Cable For Three Phase Uninterruptible Power Supply Systems	2,142.69	117.37

26 Electrical**26 30 Facility Electrical Power Generating and Storing Equipment****26 33 Battery Equipment**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 33 53 00-0059	EA	Slim Line Distribution Panel With Two 42 Pole Panels For Three Phase Uninterruptible Power Supply Systems	6,642.97	469.49
26 33 53 00-0060	EA	12 Volt, 491 Watt, 3 Phase, 134 Ampere Hours, Battery For Uninterruptible Power Supply Systems (C&D UPS12-490MR).....	653.40	58.68
26 33 53 00-0061	EA	12 Volt, 204 Watt, 3 Phase, 55 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX200).....	355.38	58.68
26 33 53 00-0062	EA	12 Volt, 257 Watt, 3 Phase, 65 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX250).....	398.87	58.68
26 33 53 00-0063	EA	12 Volt, 311 Watt, 3 Phase, 75 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX300).....	442.36	58.68
26 33 53 00-0064	EA	12 Volt, 374 Watt, 3 Phase, 90 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX350).....	520.63	58.68
26 33 53 00-0065	EA	12 Volt, 415 Watt, 3 Phase, 100 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX400).....	546.73	58.68
26 33 53 00-0066	EA	12 Volt, 493 Watt, 3 Phase, 135 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX500).....	681.54	58.68
26 33 53 00-0067	EA	12 Volt, 540 Watt, 3 Phase, 150 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX540).....	714.16	58.68

26 33 53 00-0068 Other Uninterruptable Power Supply Equipment (26 33 53)

26 33 53 00-0069	EA	Uninterrupted Power Supply Slim-Line Distribution Panel 42 Pole GE Plug-In.....	6,406.37	107.23
26 33 53 00-0070	EA	Uninterrupted Power Supply Slim-Line Distribution Panel 84 Pole GE Plug-In.....	7,688.40	214.46
26 33 53 00-0071	EA	1 Pole, 15 To 60 Amperes, GE Plug-In Breakers For UPS Distribution Panel.....	32.08	6.44
26 33 53 00-0072	EA	2 Pole, 15 To 40 Amperes, GE Plug-In Breakers For UPS Distribution Panel.....	58.78	8.04
26 33 53 00-0073	EA	2 Pole, 50 To 80 Amperes, GE Plug-In Breakers For UPS Distribution Panel.....	112.16	8.04
26 33 53 00-0074	EA	3 Pole, 15 To 60 Amperes, GE Plug-In Breakers For UPS Distribution Panel.....	164.50	10.72
26 33 53 00-0075	EA	3 Pole, 70 To 100 Amperes, GE Plug-In Breakers For UPS Distribution Panel.....	234.96	10.72
26 33 53 00-0076	EA	Uninterrupted Power Supply Remote Status Panel.....	4,377.98	107.23
26 33 53 00-0077	EA	Uninterrupted Power Supply Remote Contact Board.....	1,441.91	80.42

26 35 Power Filters and Conditioners (26 30)**26 35 33 Power Factor Correction Equipment (26 35)****26 35 33 16 Low-Voltage Power Factor Correction Equipment (26 35 33)****26 35 33 16-0001 Power Factor Correction Capacitors (26 35 33 16)**

26 35 33 16-0002	EA	Power Factor Correction Capacitors, 2.0 KVAR	995.94	
26 35 33 16-0003	EA	Power Factor Correction Capacitors, 3.0 KVAR	1,103.03	
26 35 33 16-0004	EA	Power Factor Correction Capacitors, 4.0 KVAR	1,210.12	
26 35 33 16-0005	EA	Power Factor Correction Capacitors, 5.0 KVAR	1,312.93	
26 35 33 16-0006	EA	Power Factor Correction Capacitors, 7.5 KVAR	1,612.78	
26 35 33 16-0007	EA	Power Factor Correction Capacitors, 10.0 KVAR	1,970.46	
26 35 33 16-0008	EA	Power Factor Correction Capacitors, 15.0 KVAR	3,043.51	
26 35 33 16-0009	EA	Power Factor Correction Capacitors, 20.0 KVAR	3,696.76	
26 35 33 16-0010	EA	Power Factor Correction Capacitors, 25.0 KVAR	4,776.23	
26 35 33 16-0011	EA	Power Factor Correction Capacitors, 30.0 KVAR	5,431.63	
26 35 33 16-0012	EA	Power Factor Correction Capacitors, 50.0 KVAR	9,531.05	
26 35 33 16-0013	EA	Power Factor Correction Capacitors, 75.0 KVAR	14,330.84	
26 35 33 16-0014	EA	Power Factor Correction Capacitors, 100.0 KVAR	19,109.22	
26 35 33 16-0015	EA	Power Factor Correction Capacitors, Fuse Kit.....	886.71	

26 35 43 Static-Frequency Converters (26 35)**26 35 43 00-0001 Rotary Phase Converter With NEMA 1 Indoor Enclosure (26 35 43)**

26 35 43 00-0002	EA	750 Watt Output Rotary Phase Converter With NEMA 1 Enclosure	721.92	117.37
26 35 43 00-0003	EA	2 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	1,264.61	140.85
26 35 43 00-0004	EA	3 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	1,448.87	187.80
26 35 43 00-0005	EA	5 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	1,991.80	234.75
26 35 43 00-0006	EA	7 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	2,746.68	305.17
26 35 43 00-0007	EA	11 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	3,552.74	375.59
26 35 43 00-0008	EA	15 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	4,461.14	446.02
26 35 43 00-0009	EA	21 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	5,448.40	504.70
26 35 43 00-0010	EA	29 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	6,324.88	610.33
26 35 43 00-0011	EA	36 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	7,245.01	686.63
26 35 43 00-0012	EA	44 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	8,165.14	762.92
26 35 43 00-0013	EA	55 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	10,145.07	921.37
26 35 43 00-0014	EA	74 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	13,207.09	1,109.17
26 35 43 00-0015	EA	87 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	16,758.51	1,349.78
26 35 43 00-0016	EA	110 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	19,160.73	1,578.65
26 35 43 00-0017	EA	125 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	24,743.94	1,760.58
26 35 43 00-0018	EA	165 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	38,005.94	1,995.32
26 35 43 00-0019	EA	220 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	56,896.64	2,230.07

26 35 53 Voltage Regulators (26 35)**26 35 53 00-0001 Voltage Regulators, 480/277 Or 208/120 Volt, 3 Phase (26 35 53)**

Note: For diesel motor generator sets mounted in switchgear cabinet.

26 35 53 00-0002	EA	50 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear	7,213.14	1,866.22
26 35 53 00-0003	EA	75 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear	8,184.29	2,347.45
26 35 53 00-0004	EA	100 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear	9,078.56	2,793.46

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 36 Transfer Switches (26 30)

26 36 13 Manual Transfer Switches (26 36)

26 36 13 00-0001 Fused Manual Transfer Switches (26 36 13)

26 36 13 00-0002	EA	30 Amperes, Manual Transfer Switch, Fused, 3 Pole, 480 Volt.....	1,346.78	205.40
26 36 13 00-0003	EA	60 Amperes, Manual Transfer Switch, Fused, 3 Pole, 480 Volt.....	1,568.12	255.16

26 36 13 00-0004 Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (26 36 13)

26 36 13 00-0005	EA	40 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT40).....	3,920.73	301.99
		For NEMA 3R Enclosure, Add	1,305.22	
		For NEMA 12 Enclosure, Add	1,228.43	
26 36 13 00-0006	EA	70 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT70).....	4,328.72	362.39
		For NEMA 3R Enclosure, Add	1,305.22	
		For NEMA 12 Enclosure, Add	1,228.43	
26 36 13 00-0007	EA	125 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT125).....	4,907.04	422.79
		For NEMA 3R Enclosure, Add	1,305.22	
		For NEMA 12 Enclosure, Add	1,228.43	
26 36 13 00-0008	EA	150 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT150).....	6,115.64	483.19
		For NEMA 3R Enclosure, Add	1,535.55	
		For NEMA 12 Enclosure, Add	1,228.43	
26 36 13 00-0009	EA	225 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT225).....	7,599.59	543.58
		For NEMA 3R Enclosure, Add	1,535.55	
		For NEMA 12 Enclosure, Add	1,228.43	
26 36 13 00-0010	EA	260 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT260).....	8,548.16	603.98
		For NEMA 3R Enclosure, Add	1,535.55	
		For NEMA 12 Enclosure, Add	1,228.43	
26 36 13 00-0011	EA	300 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT300).....	9,512.22	664.39
		For NEMA 3R Enclosure, Add	1,811.94	
		For NEMA 12 Enclosure, Add	1,535.55	
26 36 13 00-0012	EA	400 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT400).....	11,198.48	724.79
		For NEMA 3R Enclosure, Add	1,811.94	
		For NEMA 12 Enclosure, Add	1,535.55	
26 36 13 00-0013	EA	600 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT600).....	14,839.59	905.98
		For NEMA 3R Enclosure, Add	1,811.94	
		For NEMA 12 Enclosure, Add	1,535.55	
26 36 13 00-0014	EA	800 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT800).....	16,657.64	1,087.18
		For NEMA 3R Enclosure, Add	2,226.53	
		For NEMA 12 Enclosure, Add	2,149.77	
26 36 13 00-0015	EA	1,000 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT1000).....	22,183.68	1,542.14
		For NEMA 3R Enclosure, Add	2,226.53	
		For NEMA 12 Enclosure, Add	2,149.77	

26 36 23 Automatic Transfer Switches (26 36)

26 36 23 00-0001 Automatic Transfer Switch (26 36 23)

26 36 23 00-0002 Automatic Transfer Switch, 2 Pole Circuit Breaker, NEMA 1 Enclosure (26 36 23 00-0001)

Note: Programmable, 120/240 volt single phase, 3 wire.

26 36 23 00-0003	EA	100 Amperes, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire.....	3,459.06	422.79
		For Level 2 Controller, Add	202.54	
		For Level 3 Controller, Add	418.16	
		For Level 4 Controller, Add	607.63	
26 36 23 00-0004	EA	225 Amperes, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire.....	4,723.32	543.58
		For Level 2 Controller, Add	281.80	
		For Level 3 Controller, Add	581.78	
		For Level 4 Controller, Add	845.40	
26 36 23 00-0005	EA	400 Amperes, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire.....	7,585.57	724.79
		For Level 2 Controller, Add	475.54	
		For Level 3 Controller, Add	981.76	
		For Level 4 Controller, Add	1,426.62	
26 36 23 00-0006	EA	600 Amperes, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire.....	12,488.63	905.98
		For Level 2 Controller, Add	827.44	
		For Level 3 Controller, Add	1,708.27	
		For Level 4 Controller, Add	2,482.33	

26 36 23 00-0007 Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (26 36 23 00-0001)

26 36 23 00-0008	EA	40 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC40)	5,928.23	301.99
		For Level 2 Controller, Add	412.63	
		For Level 3 Controller, Add	851.88	
		For Level 4 Controller, Add	1,237.89	
		For NEMA 3R Enclosure, Add	1,305.22	
		For NEMA 4 Enclosure, Add	1,381.99	
		For NEMA 12 Enclosure, Add	1,381.99	
26 36 23 00-0009	EA	70 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC70)	6,835.97	362.39
		For Level 2 Controller, Add	473.62	
		For Level 3 Controller, Add	977.79	
		For Level 4 Controller, Add	1,420.85	
		For NEMA 3R Enclosure, Add	1,305.22	
		For NEMA 4 Enclosure, Add	1,381.99	
		For NEMA 12 Enclosure, Add	1,381.99	

26 Electrical**26 30 Facility Electrical Power Generating and Storing Equipment****26 36 Transfer Switches**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 36 23 00-0010	EA 100 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC100).....	7,168.07		392.59
	For Level 2 Controller, Add	494.67		
	For Level 3 Controller, Add	1,021.26		
	For Level 4 Controller, Add	1,484.02		
	For NEMA 3R Enclosure, Add	1,305.22		
	For NEMA 4 Enclosure, Add	1,381.99		
	For NEMA 12 Enclosure, Add	1,381.99		
26 36 23 00-0011	EA 125 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC125).....	7,500.17		422.79
	For Level 2 Controller, Add	515.73		
	For Level 3 Controller, Add	1,064.73		
	For Level 4 Controller, Add	1,547.19		
	For NEMA 3R Enclosure, Add	1,305.22		
	For NEMA 4 Enclosure, Add	1,381.99		
	For NEMA 12 Enclosure, Add	1,381.99		
26 36 23 00-0012	EA 150 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC150).....	8,934.43		483.19
	For Level 2 Controller, Add	617.52		
	For Level 3 Controller, Add	1,274.89		
	For Level 4 Controller, Add	1,852.57		
	For NEMA 3R Enclosure, Add	1,535.55		
	For NEMA 4 Enclosure, Add	1,996.21		
	For NEMA 12 Enclosure, Add	1,381.99		
26 36 23 00-0013	EA 225 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC225).....	10,206.81		543.58
	For Level 2 Controller, Add	706.77		
	For Level 3 Controller, Add	1,459.14		
	For Level 4 Controller, Add	2,120.31		
	For NEMA 3R Enclosure, Add	1,535.55		
	For NEMA 4 Enclosure, Add	1,996.21		
	For NEMA 12 Enclosure, Add	1,381.99		
26 36 23 00-0014	EA 260 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC260).....	11,260.96		603.98
	For Level 2 Controller, Add	779.11		
	For Level 3 Controller, Add	1,608.48		
	For Level 4 Controller, Add	2,337.32		
	For NEMA 3R Enclosure, Add	1,535.55		
	For NEMA 4 Enclosure, Add	1,996.21		
	For NEMA 12 Enclosure, Add	1,381.99		
26 36 23 00-0015	EA 300 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC300).....	11,746.37		664.39
	For Level 2 Controller, Add	807.36		
	For Level 3 Controller, Add	1,666.82		
	For Level 4 Controller, Add	2,422.09		
	For NEMA 3R Enclosure, Add	1,811.94		
	For NEMA 4 Enclosure, Add	2,149.77		
	For NEMA 12 Enclosure, Add	1,535.55		
26 36 23 00-0016	EA 400 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC400).....	13,300.29		724.79
	For Level 2 Controller, Add	918.43		
	For Level 3 Controller, Add	1,896.12		
	For Level 4 Controller, Add	2,755.29		
	For NEMA 3R Enclosure, Add	1,811.94		
	For NEMA 4 Enclosure, Add	2,149.77		
	For NEMA 12 Enclosure, Add	1,535.55		
26 36 23 00-0017	EA 600 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC600).....	18,280.22		905.98
	For Level 2 Controller, Add	1,276.29		
	For Level 3 Controller, Add	2,634.92		
	For Level 4 Controller, Add	3,828.87		
	For NEMA 3R Enclosure, Add	1,811.94		
	For NEMA 4 Enclosure, Add	2,149.77		
	For NEMA 12 Enclosure, Add	1,535.55		
26 36 23 00-0018	EA 800 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC800).....	20,457.25		1,087.18
	For Level 2 Controller, Add	1,416.92		
	For Level 3 Controller, Add	2,925.26		
	For Level 4 Controller, Add	4,250.77		
	For NEMA 3R Enclosure, Add	2,226.53		
	For NEMA 4 Enclosure, Add	2,456.89		
	For NEMA 12 Enclosure, Add	2,149.77		
26 36 23 00-0019	EA 1,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1000).....	26,625.22		1,542.14
	For Level 2 Controller, Add	1,824.42		
	For Level 3 Controller, Add	3,766.55		
	For Level 4 Controller, Add	5,473.27		
	For NEMA 3R Enclosure, Add	2,226.53		
	For NEMA 4 Enclosure, Add	2,456.89		
	For NEMA 12 Enclosure, Add	2,149.77		
26 36 23 00-0020	EA 1,200 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1200).....	34,754.39		1,670.65
	For Level 2 Controller, Add	2,434.52		
	For Level 3 Controller, Add	5,026.10		
	For Level 4 Controller, Add	7,303.55		
	For NEMA 3R Enclosure, Add	4,913.75		
	For NEMA 4 Enclosure, Add	2,763.98		
	For NEMA 12 Enclosure, Add	2,303.33		
26 36 23 00-0021	EA 1,600 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1600).....	36,964.85		1,927.67
	For Level 2 Controller, Add	2,565.99		
	For Level 3 Controller, Add	5,297.52		
	For Level 4 Controller, Add	7,697.96		
	For NEMA 3R Enclosure, Add	7,984.83		
	For NEMA 4 Enclosure, Add	9,827.47		
	For NEMA 12 Enclosure, Add	7,984.83		
26 36 23 00-0022	EA 2,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC2000).....	42,276.35		2,184.69
	For Level 2 Controller, Add	2,937.79		
	For Level 3 Controller, Add	6,065.12		
	For Level 4 Controller, Add	8,813.37		
	For NEMA 3R Enclosure, Add	7,984.83		
	For NEMA 4 Enclosure, Add	9,827.47		
	For NEMA 12 Enclosure, Add	7,984.83		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 23 00-0023	EA	3,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC3000)	51,022.91	2,698.73
		For Level 2 Controller, Add	3,535.97	
		For Level 3 Controller, Add	7,300.07	
		For Level 4 Controller, Add	10,607.91	
		For NEMA 3R Enclosure, Add	7,984.63	
26 36 23 00-0024	EA	4,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC4000)	89,445.92	3,212.78
		For Level 2 Controller, Add	6,434.08	
		For Level 3 Controller, Add	13,283.26	
		For Level 4 Controller, Add	19,302.23	
		For NEMA 3R Enclosure, Add	14,802.63	
26 36 23 00-0025		Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (26 36 23 00-0001)		
26 36 23 00-0026	EA	150 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC150).....	28,995.40	2,295.16
		For NEMA 3R Enclosure, Add	2,687.21	
		For NEMA 4 Enclosure, Add	2,763.98	
		For NEMA 12 Enclosure, Add	1,458.78	
		For Level 2 Controller, Add	1,891.39	
		For Level 3 Controller, Add	3,904.81	
		For Level 4 Controller, Add	5,674.18	
26 36 23 00-0027	EA	225 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC225).....	30,253.68	2,415.95
		For NEMA 3R Enclosure, Add	2,687.21	
		For NEMA 4 Enclosure, Add	2,763.98	
		For NEMA 12 Enclosure, Add	1,458.78	
		For Level 2 Controller, Add	1,970.19	
		For Level 3 Controller, Add	4,067.48	
		For Level 4 Controller, Add	5,910.56	
26 36 23 00-0028	EA	260 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC260).....	31,711.69	2,536.75
		For NEMA 3R Enclosure, Add	2,687.21	
		For NEMA 4 Enclosure, Add	2,763.98	
		For NEMA 12 Enclosure, Add	1,458.78	
		For Level 2 Controller, Add	2,064.46	
		For Level 3 Controller, Add	4,262.11	
		For Level 4 Controller, Add	6,193.38	
26 36 23 00-0029	EA	300 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC300).....	35,561.36	2,597.15
		For NEMA 3R Enclosure, Add	2,687.21	
		For NEMA 4 Enclosure, Add	2,763.98	
		For NEMA 12 Enclosure, Add	1,458.78	
		For Level 2 Controller, Add	2,353.45	
		For Level 3 Controller, Add	4,858.73	
		For Level 4 Controller, Add	7,060.34	
26 36 23 00-0030	EA	400 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC400).....	41,286.71	2,657.55
		For NEMA 3R Enclosure, Add	2,687.21	
		For NEMA 4 Enclosure, Add	2,763.98	
		For NEMA 12 Enclosure, Add	1,458.78	
		For Level 2 Controller, Add	2,787.80	
		For Level 3 Controller, Add	5,755.46	
		For Level 4 Controller, Add	8,363.40	
26 36 23 00-0031	EA	600 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC600).....	49,869.07	2,778.34
		For NEMA 3R Enclosure, Add	2,687.21	
		For NEMA 4 Enclosure, Add	2,763.98	
		For NEMA 12 Enclosure, Add	1,535.55	
		For Level 2 Controller, Add	3,434.21	
		For Level 3 Controller, Add	7,089.98	
		For Level 4 Controller, Add	10,302.63	
26 36 23 00-0032	EA	800 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC800).....	55,093.51	2,899.14
		For NEMA 3R Enclosure, Add	2,763.98	
		For NEMA 4 Enclosure, Add	2,763.98	
		For NEMA 12 Enclosure, Add	1,689.11	
		For Level 2 Controller, Add	3,820.38	
		For Level 3 Controller, Add	7,887.24	
		For Level 4 Controller, Add	11,461.14	
26 36 23 00-0033	EA	1,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1000).....	69,412.03	3,382.34
		For NEMA 3R Enclosure, Add	2,763.98	
		For NEMA 4 Enclosure, Add	2,763.98	
		For NEMA 12 Enclosure, Add	1,689.11	
		For Level 2 Controller, Add	4,855.17	
		For Level 3 Controller, Add	10,023.58	
		For Level 4 Controller, Add	14,565.51	
26 36 23 00-0034	EA	1,200 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1200).....	91,578.70	3,855.34
		For NEMA 3R Enclosure, Add	12,284.33	
		For NEMA 4 Enclosure, Add	15,355.41	
		For NEMA 12 Enclosure, Add	12,284.33	
		For Level 2 Controller, Add	6,499.77	
		For Level 3 Controller, Add	13,418.88	
		For Level 4 Controller, Add	19,499.32	
26 36 23 00-0035	EA	1,600 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1600).....	120,097.65	4,112.36
		For NEMA 3R Enclosure, Add	26,104.20	
		For NEMA 4 Enclosure, Add	26,104.20	
		For NEMA 12 Enclosure, Add	24,322.98	
		For Level 2 Controller, Add	8,670.15	
		For Level 3 Controller, Add	17,899.67	
		For Level 4 Controller, Add	26,010.45	

26 Electrical**26 30 Facility Electrical Power Generating and Storing Equipment****26 36 Transfer Switches**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT
 UNIT COST
 DEMOLITION
 UNIT COST

26 36 23 00-0036	EA	2,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC2000).....	136,482.38	4,497.89
		For NEMA 3R Enclosure, Add	26,104.20	
		For NEMA 4 Enclosure, Add	26,104.20	
		For NEMA 12 Enclosure, Add	24,322.98	
		For Level 2 Controller, Add	9,880.21	
		For Level 3 Controller, Add	20,397.85	
		For Level 4 Controller, Add	29,640.63	
26 36 23 00-0037	EA	3,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC3000).....	219,670.12	5,140.45
		For NEMA 3R Enclosure, Add	32,246.35	
		For Level 2 Controller, Add	16,227.66	
		For Level 3 Controller, Add	33,502.27	
		For Level 4 Controller, Add	48,682.99	
26 36 23 00-0038	EA	4,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC4000).....	236,951.98	5,783.01
		For NEMA 3R Enclosure, Add	32,246.35	
		For Level 2 Controller, Add	17,467.41	
		For Level 3 Controller, Add	36,061.76	
		For Level 4 Controller, Add	52,402.24	

26 36 23 00-0039 Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure
(26 36 23 00-0001)

26 36 23 00-0040	EA	40 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE40).....	9,802.44	301.99
		For Level 2 Controller, Add	712.88	
		For Level 3 Controller, Add	1,471.75	
		For Level 4 Controller, Add	2,138.64	
		For NEMA 3R Enclosure, Add	767.78	
		For NEMA 12 Enclosure, Add	1,381.99	
26 36 23 00-0041	EA	70 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE70).....	10,576.47	362.39
		For Level 2 Controller, Add	763.51	
		For Level 3 Controller, Add	1,576.27	
		For Level 4 Controller, Add	2,290.52	
		For NEMA 3R Enclosure, Add	767.78	
		For NEMA 12 Enclosure, Add	1,381.99	
26 36 23 00-0042	EA	100 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE100).....	10,962.77	392.59
		For Level 2 Controller, Add	788.76	
		For Level 3 Controller, Add	1,628.41	
		For Level 4 Controller, Add	2,366.29	
		For NEMA 3R Enclosure, Add	767.78	
		For NEMA 12 Enclosure, Add	1,381.99	
26 36 23 00-0043	EA	125 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE125).....	11,349.07	422.79
		For Level 2 Controller, Add	814.02	
		For Level 3 Controller, Add	1,680.56	
		For Level 4 Controller, Add	2,442.06	
		For NEMA 3R Enclosure, Add	767.78	
		For NEMA 12 Enclosure, Add	1,381.99	
26 36 23 00-0044	EA	150 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE150).....	13,646.28	483.19
		For Level 2 Controller, Add	982.69	
		For Level 3 Controller, Add	2,028.78	
		For Level 4 Controller, Add	2,948.08	
		For Four Pole Circuit Breaker, Add	3,838.85	
		For NEMA 3R Enclosure, Add	767.78	
		For NEMA 12 Enclosure, Add	1,381.99	
26 36 23 00-0045	EA	225 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE225).....	17,827.13	543.58
		For Level 2 Controller, Add	1,297.35	
		For Level 3 Controller, Add	2,678.39	
		For Level 4 Controller, Add	3,892.04	
		For Four Pole Circuit Breaker, Add	3,838.85	
		For NEMA 3R Enclosure, Add	767.78	
		For NEMA 12 Enclosure, Add	1,381.99	
26 36 23 00-0046	EA	250 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE250).....	18,962.94	603.98
		For Level 2 Controller, Add	1,376.01	
		For Level 3 Controller, Add	2,840.79	
		For Level 4 Controller, Add	4,128.03	
		For Four Pole Circuit Breaker, Add	3,838.85	
		For NEMA 3R Enclosure, Add	767.78	
		For NEMA 12 Enclosure, Add	1,381.99	
26 36 23 00-0047	EA	300 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE300).....	19,696.13	664.39
		For Level 2 Controller, Add	1,423.47	
		For Level 3 Controller, Add	2,938.78	
		For Level 4 Controller, Add	4,270.41	
		For Four Pole Circuit Breaker, Add	5,220.84	
		For NEMA 3R Enclosure, Add	1,996.21	
		For NEMA 12 Enclosure, Add	1,535.55	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 23 00-0048	EA		400 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE400).....	22,307.29	724.79
			For Level 2 Controller, Add	1,616.47	
			For Level 3 Controller, Add	3,337.24	
			For Level 4 Controller, Add	4,849.42	
			For Four Pole Circuit Breaker, Add	5,220.84	
			For NEMA 3R Enclosure, Add	1,996.21	
			For NEMA 12 Enclosure, Add	1,535.55	
26 36 23 00-0049	EA		600 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE600).....	27,049.30	905.98
			For Level 2 Controller, Add	1,955.89	
			For Level 3 Controller, Add	4,037.97	
			For Level 4 Controller, Add	5,867.68	
			For Four Pole Circuit Breaker, Add	5,220.84	
			For NEMA 3R Enclosure, Add	1,996.21	
			For NEMA 12 Enclosure, Add	1,535.55	
26 36 23 00-0050	EA		800 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE800).....	28,081.80	1,087.18
			For Level 2 Controller, Add	2,007.83	
			For Level 3 Controller, Add	4,145.19	
			For Level 4 Controller, Add	6,023.48	
			For Four Pole Circuit Breaker, Add	7,447.38	
			For NEMA 3R Enclosure, Add	3,439.63	
			For NEMA 12 Enclosure, Add	2,149.77	
26 36 23 00-0051	EA		1,000 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE1000).....	33,213.65	1,542.14
			For Level 2 Controller, Add	2,335.03	
			For Level 3 Controller, Add	4,820.70	
			For Level 4 Controller, Add	7,005.08	
			For Four Pole Circuit Breaker, Add	7,447.38	
			For NEMA 3R Enclosure, Add	3,439.63	
			For NEMA 12 Enclosure, Add	2,149.77	
26 36 23 00-0052			Accessories (26 36 23)		
26 36 23 00-0053	EA		Auxiliary Contacts For Automatic Transfer Switch	356.25	
26 36 23 00-0054	EA		Battery Charger For Automatic Transfer Switch	2,917.54	
26 36 23 00-0055	EA		Elevator Relay Signal For Automatic Transfer Switch	1,059.53	

26 40 Electrical And Cathodic Protection (26)

26 43 Surge Protective Devices (26 40)

26 43 13 Surge Protective Devices for Low-Voltage Electrical Power Circuits (26 43)

26 43 13 00-0001			25 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression (26 43 13)		
			Note: Liebert LPL		
26 43 13 00-0002	EA		120/240 Volt AC Single Phase, 3 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	238.18	29.35
26 43 13 00-0003	EA		208 Volt AC Three Phase, 3 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	256.39	29.35
26 43 13 00-0004	EA		240/120 Volt AC Three Phase, 4 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	268.13	35.21
26 43 13 00-0005	EA		277 Volt AC Single Phase, 2 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	221.24	23.47
26 43 13 00-0006	EA		480/277 Volt AC Three Phase, 4 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	268.13	35.21
26 43 13 00-0007			50 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression (26 43 13)		
			Note: Liebert LPL		
26 43 13 00-0008	EA		120/240 Volt AC Single Phase, 3 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor	327.92	29.35
26 43 13 00-0009	EA		208/120 Volt AC Three Phase, 4 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor	350.07	35.21
26 43 13 00-0010	EA		208 Volt AC Three Phase, 3 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor	338.33	29.35
26 43 13 00-0011	EA		480/277 Volt AC Three Phase, 4 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor	350.07	35.21
26 43 13 00-0012			100 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression (26 43 13)		
			Note: Liebert LPL		
26 43 13 00-0013	EA		120/240 Volt AC Single Phase, 3 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor	395.56	29.35
26 43 13 00-0014	EA		208/120 Volt AC Three Phase, 4 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor	417.71	35.21
26 43 13 00-0015	EA		277 Volt AC Single Phase, 2 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor	368.22	23.47
26 43 13 00-0016	EA		480/277 Volt AC Three Phase, 4 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor	417.71	35.21
26 43 13 00-0017			100 kA Low Exposure (65 kAIC) Transient Voltage Surge Suppression (26 43 13)		
			Note: Liebert LPM		
26 43 13 00-0018	EA		120/240 Volt AC Single Phase, 3 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor	465.80	29.35
26 43 13 00-0019	EA		208/120 Volt AC Three Phase, 4 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor	525.66	35.21
26 43 13 00-0020	EA		277 Volt AC Three Phase, 2 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor	439.76	23.47
26 43 13 00-0021			160 kA Low Exposure (65 kAIC) Transient Voltage Surge Suppression (26 43 13)		
			Note: Liebert LPM		
26 43 13 00-0022	EA		208/120 Volt AC Single Phase, 4 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor	818.32	35.21
26 43 13 00-0023	EA		208 Volt AC Three Phase, 3 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor	806.58	29.35
26 43 13 00-0024	EA		480/277 Volt AC Three Phase, 4 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor	818.32	35.21
26 43 13 00-0025			250 kA, 500 Joule Transient Voltage Surge Suppression (26 43 13)		
			Note: Liebert Interceptor Hybrid.		

26 Electrical**26 40 Electrical And Cathodic Protection****26 43 Surge Protective Devices**
 MINOR
CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 43 13 00-0026	EA	LED Display, 120/208 Volt AC Three Phase, 250 kA Transient Voltage Surge Suppressor.....	8,172.52	58.68
26 43 13 00-0027	EA	Audible Alarm/LED Display, 120/208 Volt AC Three Phase, 250 kA Transient Voltage Surge Suppressor	9,998.92	58.68

26 43 13 00-0028 Class 1310 Transient Voltage Surge Suppression (26 43 13)

Note: Supplied with audible alarm, alarm enable/disable switch and dry contacts. Square D.

26 43 13 00-0029 NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor (26 43 13 00-0028)

Note: Square D. EMA series.

26 43 13 00-0030	EA	120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	3,821.82	152.59
		For Integral Disconnect, Add	265.68	
		For Surge Counter, Add	203.04	
26 43 13 00-0031	EA	160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	4,216.83	176.06
		For Integral Disconnect, Add	265.68	
		For Surge Counter, Add	203.04	
26 43 13 00-0032	EA	240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	6,150.47	205.40
		For Integral Disconnect, Add	265.68	
		For Surge Counter, Add	203.04	
26 43 13 00-0033	EA	320 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	8,174.54	234.75
		For Integral Disconnect, Add	265.68	
		For Surge Counter, Add	203.04	
26 43 13 00-0034	EA	480 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	12,091.22	322.78
		For Integral Disconnect, Add	265.68	
		For Surge Counter, Add	203.04	
26 43 13 00-0035	EA	120 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	3,986.58	152.59
		For Integral Disconnect, Add	265.68	
		For Surge Counter, Add	203.04	
26 43 13 00-0036	EA	160 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	4,397.83	176.06
		For Integral Disconnect, Add	265.68	
		For Surge Counter, Add	203.04	
26 43 13 00-0037	EA	240 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	6,430.10	205.40
		For Integral Disconnect, Add	265.68	
		For Surge Counter, Add	203.04	
26 43 13 00-0038	EA	320 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	8,537.69	234.75
		For Integral Disconnect, Add	265.68	
		For Surge Counter, Add	203.04	
26 43 13 00-0039	EA	480 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	12,651.62	322.78
		For Integral Disconnect, Add	265.68	
		For Surge Counter, Add	203.04	
26 43 13 00-0040	EA	120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	3,986.58	152.59
		For Integral Disconnect, Add	265.68	
		For Surge Counter, Add	203.04	
26 43 13 00-0041	EA	160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	4,397.83	176.06
		For Integral Disconnect, Add	265.68	
		For Surge Counter, Add	203.04	
26 43 13 00-0042	EA	240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	6,430.05	205.40
		For Integral Disconnect, Add	265.68	
		For Surge Counter, Add	203.04	
26 43 13 00-0043	EA	320 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	8,537.69	234.75
		For Integral Disconnect, Add	265.68	
		For Surge Counter, Add	203.04	
26 43 13 00-0044	EA	480 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	12,651.62	322.78
		For Integral Disconnect, Add	265.68	
		For Surge Counter, Add	203.04	
26 43 13 00-0045	EA	120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	4,151.36	152.59
		For Integral Disconnect, Add	265.68	
		For Surge Counter, Add	203.04	
26 43 13 00-0046	EA	160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	4,581.15	176.06
		For Integral Disconnect, Add	265.68	
		For Surge Counter, Add	203.04	
26 43 13 00-0047	EA	240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	6,712.03	205.40
		For Integral Disconnect, Add	265.68	
		For Surge Counter, Add	203.04	
26 43 13 00-0048	EA	320 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	8,903.23	234.75
		For Integral Disconnect, Add	265.68	
		For Surge Counter, Add	203.04	
26 43 13 00-0049	EA	480 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	13,214.29	322.78
		For Integral Disconnect, Add	265.68	
		For Surge Counter, Add	203.04	
26 43 13 00-0050	EA	120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	4,342.80	152.59
		For Integral Disconnect, Add	265.68	
		For Surge Counter, Add	203.04	
26 43 13 00-0051	EA	160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	4,771.47	176.06
		For Integral Disconnect, Add	265.68	
		For Surge Counter, Add	203.04	
26 43 13 00-0052	EA	240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	7,006.73	205.40
		For Integral Disconnect, Add	265.68	
		For Surge Counter, Add	203.04	
26 43 13 00-0053	EA	320 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	9,286.11	234.75
		For Integral Disconnect, Add	265.68	
		For Surge Counter, Add	203.04	
26 43 13 00-0054	EA	480 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	13,007.15	322.78
		For Integral Disconnect, Add	265.68	
		For Surge Counter, Add	203.04	

26 43 13 00-0055 NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor (26 43 13 00-0028)

Note: Square D EBA series.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0056	EA	120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	2,986.50 265.68 203.04	152.59
26 43 13 00-0057	EA	160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,606.60 265.68 203.04	176.06
26 43 13 00-0058	EA	240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,275.68 265.68 203.04	205.40
26 43 13 00-0059	EA	120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,080.47 265.68 203.04	152.59
26 43 13 00-0060	EA	160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,745.83 265.68 203.04	176.06
26 43 13 00-0061	EA	240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,457.83 265.68 203.04	205.40
26 43 13 00-0062	EA	120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,080.47 265.68 203.04	152.59
26 43 13 00-0063	EA	160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,745.83 265.68 203.04	176.06
26 43 13 00-0064	EA	240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,457.83 265.68 203.04	205.40
26 43 13 00-0065	EA	120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,199.98 265.68 203.04	152.59
26 43 13 00-0066	EA	160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,895.50 265.68 203.04	176.06
26 43 13 00-0067	EA	240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,691.03 265.68 203.04	205.40
26 43 13 00-0068	EA	120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,325.29 265.68 203.04	152.59
26 43 13 00-0069	EA	160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,054.44 265.68 203.04	176.06
26 43 13 00-0070	EA	240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,935.83 265.68 203.04	205.40
26 43 13 00-0071		NEMA 4X Modular Device Transient Voltage Surge Suppressor (26 43 13 00-0028) Note: Square D EMA series. Stainless steel.		
26 43 13 00-0072	EA	120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,918.23 265.68 203.04	152.59
26 43 13 00-0073	EA	160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,313.25 265.68 203.04	176.06
26 43 13 00-0074	EA	240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	7,246.89 265.68 203.04	205.40
26 43 13 00-0075	EA	120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,082.99 265.68 203.04	152.59
26 43 13 00-0076	EA	160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,494.24 265.68 203.04	176.06
26 43 13 00-0077	EA	240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	7,526.51 265.68 203.04	205.40
26 43 13 00-0078	EA	120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,082.99 265.68 203.04	152.59
26 43 13 00-0079	EA	160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,494.24 265.68 203.04	176.06
26 43 13 00-0080	EA	240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	7,526.46 265.68 203.04	205.40
26 43 13 00-0081	EA	120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,247.78 265.68 203.04	152.59
26 43 13 00-0082	EA	160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,677.56 265.68 203.04	176.06
26 43 13 00-0083	EA	240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	7,808.44 265.68 203.04	205.40
26 43 13 00-0084	EA	120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,439.21 265.68 203.04	152.59

26 Electrical**26 40 Electrical And Cathodic Protection****26 43 Surge Protective Devices**
 MINOR
CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 43 13 00-0085	EA	160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	5,867.88	176.06
		<i>For Integral Disconnect, Add</i>	265.68	
		<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0086	EA	240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	8,103.14	205.40
		<i>For Integral Disconnect, Add</i>	265.68	
		<i>For Surge Counter, Add</i>	203.04	

26 43 13 00-0087 NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor (26 43 13 00-

0028)

Note: Square D EBA series. Stainless steel.

26 43 13 00-0088	EA	120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	4,082.91	152.59
		<i>For Integral Disconnect, Add</i>	265.68	
		<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0089	EA	160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	4,703.01	176.06
		<i>For Integral Disconnect, Add</i>	265.68	
		<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0090	EA	240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	6,372.09	205.40
		<i>For Integral Disconnect, Add</i>	265.68	
		<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0091	EA	120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	4,176.88	152.59
		<i>For Integral Disconnect, Add</i>	265.68	
		<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0092	EA	160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	4,842.24	176.06
		<i>For Integral Disconnect, Add</i>	265.68	
		<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0093	EA	240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	6,554.24	205.40
		<i>For Integral Disconnect, Add</i>	265.68	
		<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0094	EA	120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	4,176.88	152.59
		<i>For Integral Disconnect, Add</i>	265.68	
		<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0095	EA	160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	4,842.24	176.06
		<i>For Integral Disconnect, Add</i>	265.68	
		<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0096	EA	240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	6,554.24	205.40
		<i>For Integral Disconnect, Add</i>	265.68	
		<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0097	EA	120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	4,296.39	152.59
		<i>For Integral Disconnect, Add</i>	265.68	
		<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0098	EA	160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	4,991.91	176.06
		<i>For Integral Disconnect, Add</i>	265.68	
		<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0099	EA	240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	6,787.44	205.40
		<i>For Integral Disconnect, Add</i>	265.68	
		<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0100	EA	120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	4,421.70	152.59
		<i>For Integral Disconnect, Add</i>	265.68	
		<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0101	EA	160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	5,150.86	176.06
		<i>For Integral Disconnect, Add</i>	265.68	
		<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0102	EA	240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	7,032.25	205.40
		<i>For Integral Disconnect, Add</i>	265.68	
		<i>For Surge Counter, Add</i>	203.04	

26 43 23 Surge Protective Devices for Lightning Protection (26 43)

26 43 23 00-0001 Surge And Lightning Arrestors (26 43 23)

26 43 23 00-0002 Metal Top Intermediate Type IMX (26 43 23 00-0001)

Note: For outdoor construction, single phase.

26 43 23 00-0003	EA	3 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,201.87	260.79
26 43 23 00-0004	EA	4.5 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,307.70	260.79
26 43 23 00-0005	EA	6 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,307.70	260.79
26 43 23 00-0006	EA	7.5 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,504.23	260.79
26 43 23 00-0007	EA	9 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,504.23	260.79
26 43 23 00-0008	EA	10 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,667.50	260.79
26 43 23 00-0009	EA	12 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,667.50	260.79
26 43 23 00-0010	EA	15 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	2,281.66	325.99
26 43 23 00-0011	EA	18 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	2,366.32	325.99
26 43 23 00-0012	EA	21 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	2,593.02	391.19
26 43 23 00-0013	EA	24 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	2,810.72	391.19
26 43 23 00-0014	EA	27 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	3,357.97	391.19

26 43 23 00-0015 Porcelain Top Intermediate Type IMX (26 43 23 00-0001)

Note: For cubicle mounting, single phase.

26 43 23 00-0016	EA	3 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,201.87	260.79
26 43 23 00-0017	EA	4.5 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,307.70	260.79
26 43 23 00-0018	EA	6 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,307.70	260.79
26 43 23 00-0019	EA	7.5 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,504.23	260.79
26 43 23 00-0020	EA	9 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,504.23	260.79
26 43 23 00-0021	EA	10 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,667.50	260.79
26 43 23 00-0022	EA	12 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,667.50	260.79
26 43 23 00-0023	EA	15 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	2,281.66	325.99
26 43 23 00-0024	EA	18 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	2,366.32	325.99

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 23 00-0025	EA	21 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	2,593.02	391.19
26 43 23 00-0026	EA	24 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	2,810.72	391.19
26 43 23 00-0027	EA	27 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	3,357.97	391.19
26 43 23 00-0028		IMX Accessories (26 43 23 00-0001)		
26 43 23 00-0029	EA	1 Crossarm Bracket Reversible 3-27 KV IMX.....	984.18	260.79
26 43 23 00-0030	EA	Single Unit Horizontal Pole Mounted Bracket (IMX)	972.09	260.79
26 43 23 00-0031	EA	3 Unit Horizontal Pole Mounted Bracket (IMX)	881.50	260.79
26 43 23 00-0032		Lightning Arrestor And Cutouts (26 43 23 00-0001)		
26 43 23 00-0033	EA	3 KV La Distribution Class, Lightning Arrestor.....	645.54	260.79
26 43 23 00-0034	EA	3 KV La Interior Class, Lightning Arrestor.....	1,282.42	260.79
26 43 23 00-0035	EA	3 KV La Station Class, Lightning Arrestor.....	1,201.87	260.79
26 43 23 00-0036	EA	9 KV La Distribution Class, Lightning Arrestor.....	712.06	260.79
26 43 23 00-0037	EA	9 KV La Interior Class, Lightning Arrestor.....	1,458.75	260.79
26 43 23 00-0038	EA	9 KV La Station Class, Lightning Arrestor.....	1,504.23	260.79
26 43 23 00-0039	EA	5 KV Enclosed Fused Cutout.....	815.47	260.79
26 43 23 00-0040	EA	15 KV Open Fused Cutout.....	872.70	325.99
26 43 23 00-0041	EA	18 KV La Distribution Class, Lightning Arrestor.....	677.07	260.79
26 43 23 00-0042	EA	18 KV La Interior Class, Lightning Arrestor.....	1,553.00	260.79
26 50		Lighting (26)		
Note: Includes testing of fixture, a set of lamps (light bulbs), wire nuts, ground wire connector, fixture whip, ballast(s), mounting brackets where necessary and cable connectors. Lay-in fixtures include support wire, clips and seismic supports.				
26 51		Interior Lighting (26 50)		
26 51 13		Incandescent Interior Lighting (26 51)		
26 51 13 00-0001		Recessed Fixtures (26 51 13)		
Note: Housing and trim priced separately.				
26 51 13 00-0002		Incandescent, Recessed Fixture Housings (26 51 13 00-0001)		
26 51 13 00-0003	EA	4" Round, Incandescent, T Or ICT Recessed Fixture Housing.....	83.73	33.57
For ICAT Housing, Add			4.29	
26 51 13 00-0004	EA	5" Round, Incandescent, T Or ICT Recessed Fixture Housing.....	83.73	33.57
For ICAT Housing, Add			4.29	
26 51 13 00-0005	EA	6" Round, Incandescent, T Or ICT Recessed Fixture Housing.....	88.95	35.21
For ICAT Housing, Add			4.66	
26 51 13 00-0006	EA	7" Round, Incandescent, T Or ICT Recessed Fixture Housing.....	94.35	36.73
For ICAT Housing, Add			5.05	
26 51 13 00-0007	EA	8" Round, Incandescent, T Or ICT Recessed Fixture Housing.....	99.77	38.27
For ICAT Housing, Add			5.45	
26 51 13 00-0008	EA	10" To 12" Square, Incandescent, T Or ICT Recessed Fixture Housing	101.52	40.61
For ICAT Housing, Add			5.22	
26 51 13 00-0009		Recessed Fixture Trim (26 51 13 00-0001)		
26 51 13 00-0010	EA	Circular, Recessed Fixture Trim	65.81	16.43
26 51 13 00-0011	EA	Circular Clear Lens, Recessed Fixture Trim	73.35	16.43
26 51 13 00-0012	EA	Open/Baffle, Recessed Fixture Trim.....	86.41	16.43
26 51 13 00-0013	EA	Specular Reflector, Recessed Fixture Trim	93.34	16.43
26 51 13 00-0014	EA	Eyeball, Recessed Fixture Trim.....	73.46	16.43
26 51 13 00-0015	EA	10" To 12" Square, Clear Lens, Recessed Fixture Trim	69.41	16.43
26 51 13 00-0016	EA	10" To 12" Square, Drop Dish, Recessed Fixture Trim.....	74.05	16.43
26 51 13 00-0017		Wall Mounted Fixtures (26 51 13)		
26 51 13 00-0018		Wall Mounted Vanity Light Fixtures (26 51 13 00-0017)		
26 51 13 00-0019	EA	1 Lamp Vanity Light, Wall Mounted, Glass Globe, Compact Fluorescent/Incandescent Fixture (Progressive P2706).....	147.77	46.95
26 51 13 00-0020	EA	2 Lamp Vanity Light, Wall Mounted, Glass Globe, Compact Fluorescent/Incandescent Fixture (Progressive P2707).....	188.43	46.95
26 51 13 00-0021	EA	3 Lamp Vanity Light, Wall Mounted, Glass Globe, Compact Fluorescent/Incandescent Fixture (Progressive P2708).....	261.75	46.95
26 51 13 00-0022	EA	4 Lamp Vanity Light, Wall Mounted, Glass Globe, Compact Fluorescent/Incandescent Fixture (Progressive P2709).....	322.77	46.95
26 51 13 00-0023	EA	5 Lamp Vanity Light, Wall Mounted, Glass Globe, Compact Fluorescent/Incandescent Fixture (Progressive P2713).....	392.05	46.95
26 51 13 00-0024	EA	6 Lamp Vanity Light, Wall Mounted, Glass Globe, Compact Fluorescent/Incandescent Fixture (Progressive P2714).....	477.47	46.95
26 51 13 00-0025		Track Lighting (26 51 13)		
26 51 13 00-0026		Incandescent Track Lighting Fixtures (26 51 13 00-0025)		
See CSI section 26 51 19 00-0685 for track lighting tracks.				
26 51 13 00-0027	EA	Incandescent Track Lighting Fixture, 120 Volt.....	85.30	19.60
26 51 13 00-0028	EA	Par 20 Track Fixture, White Or Black Finish, 120 Volt.....	57.95	19.60
26 51 13 00-0029	EA	Par 30 Track Fixture, White Or Black Finish, 120 Volt.....	80.04	19.60
26 51 13 00-0030	EA	Par 38 Track Fixture, White Or Black Finish, 120 Volt.....	82.23	19.60
26 51 13 00-0031	EA	PAR 16, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt.....	67.95	19.60
26 51 13 00-0032	EA	PAR 20, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt.....	57.95	19.60

26	26	Electrical
	26 50	Lighting
	26 51	Interior Lighting

		MINOR			TOTAL DIRECT	DEMOLITION
		CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
	26 51 13 00-0033	EA		PAR 30, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt.....	66.90	19.60
				Note: 120V.		
	26 51 13 00-0034	EA		PAR 38, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt.....	84.42	19.60
	26 51 13 00-0035			Wet Location, Dust Resistant, Vapor Tight Fixtures (26 51 13)		
	26 51 13 00-0036			Incandescent, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures (26 51 13 00-0035)		
	26 51 13 00-0037	EA		100 Watt Incandescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	128.82	46.95
				For Wall Mounted, Add	5.10	
	26 51 13 00-0038	EA		200 Watt Incandescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	147.25	46.95
				For Wall Mounted, Add	5.10	
	26 51 16			Fluorescent Interior Lighting (26 51)		
	26 51 16 00-0001			Fluorescent Fixtures (26 51 16)		
	26 51 16 00-0002			Surface Mounted, Wraparound Fluorescent Fixtures (26 51 16 00-0001)		
	26 51 16 00-0003			6" x 2', Surface Mounted, Wraparound Fluorescent Fixtures (26 51 16 00-0002)		
	26 51 16 00-0004	EA		1 T8 Lamp, 6" x 2', Surface Mounted, Wraparound Fluorescent Fixture.....	189.47	33.57
	26 51 16 00-0005	EA		2 T8 Lamps, 6" x 2', Surface Mounted, Wraparound Fluorescent Fixture.....	213.67	33.57
	26 51 16 00-0006			6" x 4', Surface Mounted, Wraparound Fluorescent Fixtures (26 51 16 00-0002)		
	26 51 16 00-0007	EA		1 T8 Lamp, 6" x 4', Surface Mounted, Wraparound Fluorescent Fixture.....	214.37	34.96
	26 51 16 00-0008	EA		2 T8 Lamps, 6" x 4', Surface Mounted, Wraparound Fluorescent Fixture.....	240.75	34.96
	26 51 16 00-0009			1' x 4', Surface Mounted, Wraparound Fluorescent Fixtures (26 51 16 00-0002)		
	26 51 16 00-0010	EA		2 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture	256.28	39.24
	26 51 16 00-0011	EA		3 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture	305.34	39.24
	26 51 16 00-0012	EA		4 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture	359.32	39.24
	26 51 16 00-0013			2' x 2', Surface Mounted, Wraparound Fluorescent Fixtures (26 51 16 00-0002)		
	26 51 16 00-0014	EA		2 T8 Lamps, 2' x 2', Surface Mounted, Wraparound Fluorescent Fixture	207.25	42.89
	26 51 16 00-0015	EA		3 T8 Lamps, 2' x 2', Surface Mounted, Wraparound Fluorescent Fixture	240.87	42.89
	26 51 16 00-0016			2' x 4', Surface Mounted, Wraparound Fluorescent Fixtures (26 51 16 00-0002)		
	26 51 16 00-0017	EA		2 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture	327.99	49.97
	26 51 16 00-0018	EA		3 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture	353.72	49.97
	26 51 16 00-0019	EA		4 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture	402.69	49.97
	26 51 16 00-0020			Surface Mounted, Box Type Fluorescent Fixtures (26 51 16 00-0001)		
				Note: Includes prismatic lens.		
	26 51 16 00-0021			1' x 4', Surface Mounted, Box Type Fluorescent Fixtures (26 51 16 00-0020)		
	26 51 16 00-0022	EA		2 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture	254.82	38.92
	26 51 16 00-0023	EA		3 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture	418.48	38.92
	26 51 16 00-0024	EA		4 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture	478.32	38.92
	26 51 16 00-0025			2' x 2', Surface Mounted, Box Type Fluorescent Fixtures (26 51 16 00-0020)		
	26 51 16 00-0026	EA		2 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture	401.85	42.89
	26 51 16 00-0027	EA		3 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture	439.71	42.89
	26 51 16 00-0028	EA		4 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture	467.06	42.89
	26 51 16 00-0029			2' x 4', Surface Mounted, Box Type Fluorescent Fixtures (26 51 16 00-0020)		
	26 51 16 00-0030	EA		2 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture	406.31	49.97
	26 51 16 00-0031	EA		3 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture	446.56	49.97
	26 51 16 00-0032	EA		4 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture	468.73	49.97
	26 51 16 00-0033	EA		6 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture	502.45	49.97
	26 51 16 00-0034			4' x 4', Surface Mounted, Box Type Fluorescent Fixtures (26 51 16 00-0020)		
	26 51 16 00-0035	EA		4 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture	812.01	64.34
	26 51 16 00-0036	EA		6 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture	825.56	64.34
	26 51 16 00-0037	EA		8 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture	700.87	64.34
	26 51 16 00-0038			Recessed Fluorescent Fixtures (26 51 16 00-0001)		
	26 51 16 00-0039			Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 16 00-0038)		
	26 51 16 00-0040			1' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture (26 51 16 00-0039)		
	26 51 16 00-0041	EA		2 T8 Lamps, 1' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	405.30	33.57
				For Drywall Or Plaster Ceilings, Add	22.68	

		Electrical		26
		Lighting		26 50
		Interior Lighting		26 51
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
		UNIT COST	UNIT COST	
26 51 16 00-0042	1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture (26 51 16 00-0039)			
26 51 16 00-0043	EA 2 T8 Lamps, 1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	538.47 26.54	38.92	
26 51 16 00-0044	EA 2 T5 Lamps, 1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	1,021.32 26.54	38.92	
26 51 16 00-0045	2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture (26 51 16 00-0039)			
26 51 16 00-0046	EA 2 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	544.14 28.95	42.89	
26 51 16 00-0047	EA 3 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	629.28 28.95	42.89	
26 51 16 00-0048	EA 4 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	635.18 28.96	42.89	
26 51 16 00-0049	EA 2 T5 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	686.29 28.95	42.89	
26 51 16 00-0050	2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture (26 51 16 00-0039)			
26 51 16 00-0051	EA 2 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	516.45 33.78	49.97	
26 51 16 00-0052	EA 3 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	743.46 33.78	49.97	
26 51 16 00-0053	EA 4 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	750.24 33.78	49.97	
26 51 16 00-0054	EA 6 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	840.02 33.78	49.97	
26 51 16 00-0055	EA 2 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	713.20 33.78	49.97	
26 51 16 00-0056	EA 3 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	998.00 33.78	49.97	
26 51 16 00-0057	EA 4 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	1,014.40 33.78	49.97	
26 51 16 00-0058	Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 16 00-0038)			
26 51 16 00-0059	1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 16 00-0058)			
26 51 16 00-0060	EA 1 T8 Lamp, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	484.12 22.68	33.57	
26 51 16 00-0061	EA 2 T8 Lamps, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	490.01 22.68	33.57	
26 51 16 00-0062	EA 3 T8 Lamps, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	580.61 22.68	33.57	
26 51 16 00-0063	1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 16 00-0058)			
26 51 16 00-0064	EA 1 T8 Lamp, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	551.05 26.54	38.92	
26 51 16 00-0065	EA 2 T8 Lamps, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	557.83 26.54	38.92	
26 51 16 00-0066	EA 3 T8 Lamps, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	634.19 26.54	38.92	
26 51 16 00-0067	2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 16 00-0058)			
26 51 16 00-0068	EA 2 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	562.54 28.96	42.89	
26 51 16 00-0069	EA 3 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	568.43 28.96	42.89	
26 51 16 00-0070	EA 4 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	657.63 28.96	42.89	
26 51 16 00-0071	2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 16 00-0058)			
26 51 16 00-0072	EA 2 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	516.45 33.78	49.97	
26 51 16 00-0073	EA 3 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	612.50 33.78	49.97	
26 51 16 00-0074	EA 4 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	703.65 33.78	49.97	
26 51 16 00-0075	EA 6 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	801.91 33.78	49.97	
26 51 16 00-0076	Direct-Indirect, Recessed Fluorescent Fixtures (26 51 16 00-0038)			
26 51 16 00-0077	1' x 4', Direct-Indirect, Recessed Fluorescent Fixtures (26 51 16 00-0076)			
26 51 16 00-0078	EA 1 T8 Lamp, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	1,082.30 26.54	38.92	
26 51 16 00-0079	EA 2 T8 Lamps, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	1,089.07 26.54	38.92	
26 51 16 00-0080	EA 1 T5 Lamp, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	1,292.26 26.54	38.92	
26 51 16 00-0081	EA 2 T5 Lamps, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	1,308.66 26.54	38.92	

26 Electrical**26 50 Lighting****26 51 Interior Lighting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 51 16 00-0082	2' x 2', Direct-Indirect, Recessed Fluorescent Fixtures (26 51 16 00-0076)		
26 51 16 00-0083	EA 2 T8 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	842.78 28.95	42.89
26 51 16 00-0084	EA 3 T8 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	944.94 28.95	42.89
26 51 16 00-0085	EA 2 T5 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	1,165.52 28.95	42.89
26 51 16 00-0086	2' x 4', Direct-Indirect, Recessed Fluorescent Fixtures (26 51 16 00-0076)		
26 51 16 00-0087	EA 2 T8 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	944.22 33.78	49.97
26 51 16 00-0088	EA 3 T8 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	1,179.71 33.78	49.97
26 51 16 00-0089	EA 1 T5 Lamp, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	1,260.49 33.78	49.97
26 51 16 00-0090	EA 2 T5 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	1,386.37 33.78	49.97
26 51 16 00-0091	Volumetric, Recessed Fluorescent Fixtures (26 51 16 00-0038)		
26 51 16 00-0092	1' x 4', Volumetric, Recessed Fluorescent Fixtures (26 51 16 00-0091)		
26 51 16 00-0093	EA 2 T8 Lamps, 1' x 4', Volumetric, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	835.52 26.54	38.92
26 51 16 00-0094	EA 2 T5 Lamps, 1' x 4', Volumetric, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	1,123.30 26.54	38.92
26 51 16 00-0095	2' x 2', Volumetric, Recessed Fluorescent Fixtures (26 51 16 00-0091)		
26 51 16 00-0096	EA 2 T8 Lamps, 2' x 2', Volumetric, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	829.38 28.95	42.89
26 51 16 00-0097	EA 2 T5 Lamps, 2' x 2', Volumetric, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	958.06 28.95	42.89
26 51 16 00-0098	2' x 4', Volumetric, Recessed Fluorescent Fixtures (26 51 16 00-0091)		
26 51 16 00-0099	EA 2 T8 Lamps, 2' x 4', Volumetric, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	919.63 33.78	49.97
26 51 16 00-0100	EA 2 T5 Lamps, 2' x 4', Volumetric, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	921.77 33.78	49.97
26 51 16 00-0101	Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 16 00-0038)		
26 51 16 00-0102	1' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 16 00-0101)		
26 51 16 00-0103	EA 2 T8 Lamps, 1' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	769.39 26.54	38.92
26 51 16 00-0104	2' x 2', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 16 00-0101)		
26 51 16 00-0105	EA 2 T8 Lamps, 2' x 2', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	732.45 28.95	42.89
26 51 16 00-0106	2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 16 00-0101)		
26 51 16 00-0107	EA 2 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	889.80 33.78	49.97
26 51 16 00-0108	EA 3 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	627.80 33.78	49.97
26 51 16 00-0109	EA 4 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	1,025.83 33.78	49.97
26 51 16 00-0110	Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 16 00-0038)		
26 51 16 00-0111	1' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 16 00-0110)		
26 51 16 00-0112	EA 2 T8 Lamps, 1' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	730.29 26.54	38.92
26 51 16 00-0113	2' x 2', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 16 00-0110)		
26 51 16 00-0114	EA 2 T8 Lamps, 2' x 2', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	731.52 28.95	42.89

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0115		2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 16 00-0110)		
26 51 16 00-0116	EA	2 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	911.73 33.78	49.97
26 51 16 00-0117	EA	3 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	926.13 33.78	49.97
26 51 16 00-0118	EA	4 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	949.09 33.78	49.97
26 51 16 00-0119		Striplight Fluorescent Fixtures (26 51 16 00-0001)		
26 51 16 00-0120		1 Lamp Cross Section, Striplight Fluorescent Fixtures (26 51 16 00-0119)		
26 51 16 00-0121	EA	1-1/2' Length, 1 T8 Lamp, Striplight Fluorescent Fixture	292.89	32.16
26 51 16 00-0122	EA	2' Length, 1 T8 Lamp, Striplight Fluorescent Fixture	367.62	32.16
26 51 16 00-0123	EA	3' Length, 1 T8 Lamp, Striplight Fluorescent Fixture	357.15	35.70
26 51 16 00-0124	EA	4' Length, 1 T8 Lamp, Striplight Fluorescent Fixture	362.28	39.24
26 51 16 00-0125	EA	8' Length, 1 T8 Lamp, Striplight Fluorescent Fixture	444.03	46.48
26 51 16 00-0126		2 Lamp Cross Section, Striplight Fluorescent Fixtures (26 51 16 00-0119)		
26 51 16 00-0127	EA	2' Length, 2 T8 Lamps, Striplight Fluorescent Fixture	361.92	35.70
26 51 16 00-0128	EA	3' Length, 2 T8 Lamps, Striplight Fluorescent Fixture	369.52	39.24
26 51 16 00-0129	EA	4' Length, 2 T8 Lamps, Striplight Fluorescent Fixture	374.42	42.89
26 51 16 00-0130		3 Lamp Cross Section, Striplight Fluorescent Fixtures (26 51 16 00-0119)		
26 51 16 00-0131	EA	2' Length, 3 T8 Lamps, Striplight Fluorescent Fixture	549.94	35.70
26 51 16 00-0132	EA	3' Length, 3 T8 Lamps, Striplight Fluorescent Fixture	524.78	39.24
26 51 16 00-0133	EA	4' Length, 3 T8 Lamps, Striplight Fluorescent Fixture	529.44	42.89
26 51 16 00-0134		Display Case Fluorescent Fixtures (26 51 16 00-0119)		
26 51 16 00-0135	EA	1 T8 Lamp, 1-1/2' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU15W)	190.35	35.21
26 51 16 00-0136	EA	1 T8 Lamp, 2' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU20W)	263.12	35.21
26 51 16 00-0137	EA	1 T8 Lamp, 3' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU30W)	283.74	41.08
26 51 16 00-0138	EA	1 T8 Lamp, 4' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU40W)	293.92	41.08
26 51 16 00-0139		Industrial Fluorescent Fixtures (26 51 16 00-0001)		
26 51 16 00-0140		1 Lamp Cross Section, Industrial Fluorescent Fixtures (26 51 16 00-0139)		
26 51 16 00-0141	EA	2' Length, 1 T8 Lamp, Industrial Fluorescent Fixture	439.62	32.16
26 51 16 00-0142	EA	4' Length, 1 T8 Lamp, Industrial Fluorescent Fixture	459.48	39.24
26 51 16 00-0143	EA	8' Length, 1 T8 Lamp, Industrial Fluorescent Fixture	872.21	49.97
26 51 16 00-0144		2 Lamp Cross Section, Industrial Fluorescent Fixtures (26 51 16 00-0139)		
26 51 16 00-0145	EA	2' Length, 2 T8 Lamps, Industrial Fluorescent Fixture	450.87	35.70
26 51 16 00-0146	EA	4' Length, 2 T8 Lamps, Industrial Fluorescent Fixture	471.63	42.89
26 51 16 00-0147	EA	8' Length, 2 T8 Lamps, Industrial Fluorescent Fixture	885.76	49.97
26 51 16 00-0148		3 Lamp Cross Section, Industrial Fluorescent Fixtures (26 51 16 00-0139)		
26 51 16 00-0149	EA	2' Length, 3 T8 Lamps, Industrial Fluorescent Fixture	469.47	35.70
26 51 16 00-0150	EA	4' Length, 3 T8 Lamps, Industrial Fluorescent Fixture	487.94	42.89
26 51 16 00-0151	EA	8' Length, 3 T8 Lamps, Industrial Fluorescent Fixture	755.31	49.97
26 51 16 00-0152		4 Lamp Cross Section, Industrial Fluorescent Fixtures (26 51 16 00-0139)		
26 51 16 00-0153	EA	4' Length, 4 T8 Lamps, Industrial Fluorescent Fixture	689.12	42.89
26 51 16 00-0154	EA	8' Length, 4 T8 Lamps, Industrial Fluorescent Fixture	1,022.98	49.97
26 51 16 00-0155		Flanged Fluorescent Fixture (26 51 16 00-0001) Note: For plaster or drywall application. With electronic ballast.		
26 51 16 00-0156	EA	2 T8 Lamps, 2' x 4', Prismatic Lensed, Flanged Fluorescent Fixture	631.05	64.34
26 51 16 00-0157	EA	3 T8 Lamps, 2' x 4', Prismatic Lensed, Flanged Fluorescent Fixture	764.89	64.34
26 51 16 00-0158	EA	4 T8 Lamps, 2' x 4', Prismatic Lensed, Flanged Fluorescent Fixture	771.67	64.34
26 51 16 00-0159		Undercabinet Fluorescent Fixtures (26 51 16 00-0001)		
26 51 16 00-0160	EA	1 T5 Lamp, 12-3/16" Length, Slimline Undercabinet Fluorescent Fixture	224.45	28.96
26 51 16 00-0161	EA	1 T5 Lamp, 21-3/16" Length, Slimline Undercabinet Fluorescent Fixture	259.56	35.38
26 51 16 00-0162	EA	2 T5 Lamps, 24-7/16" Length, Slimline Undercabinet Fluorescent Fixture	254.73	35.38
26 51 16 00-0163	EA	1 T5 Lamp, 33-7/16" Length, Slimline Undercabinet Fluorescent Fixture	312.19	38.60
26 51 16 00-0164	EA	2 T5 Lamps, 42-7/16" Length, Slimline Undercabinet Fluorescent Fixture	362.77	45.04
26 51 16 00-0165		Surface Mounted, T5HO Fluorescent Fixture (26 51 16 00-0001) Note: For 8' fixture, use two (2) 4' fixtures		

26	26	Electrical
	26 50	Lighting
	26 51	Interior Lighting



		MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0166	EA	1	T5HO Lamp, 60 W, 4' Length, Surface Mounted, Fluorescent Fixture.....	552.57	49.97		
			For Instant Quartz Restrike, Add	60.00			
			For Wire Guard, Add	40.50			
			For Polycarbonate Lens, Add	47.75			
			For Acrylic Lens, Add	54.00			
			For Gasketed/Wet Location, Add	57.75			
26 51 16 00-0167	EA	2	T5HO Lamps, 120 W, 4' Length, Surface Mounted, Fluorescent Fixture.....	445.68	49.97		
			For Instant Quartz Restrike, Add	60.00			
			For Wire Guard, Add	40.50			
			For Polycarbonate Lens, Add	47.75			
			For Acrylic Lens, Add	54.00			
			For Gasketed/Wet Location, Add	57.75			
26 51 16 00-0168	EA	3	T5HO Lamps, 182 W, 4' Length, Surface Mounted, Fluorescent Fixture.....	463.32	49.97		
			For Instant Quartz Restrike, Add	60.00			
			For Wire Guard, Add	40.50			
			For Polycarbonate Lens, Add	47.75			
			For Acrylic Lens, Add	54.00			
			For Gasketed/Wet Location, Add	57.75			
26 51 16 00-0169	EA	4	T5HO Lamps, 240 W, 4' Length, Surface Mounted, Fluorescent Fixture.....	534.35	49.97		
			For Instant Quartz Restrike, Add	60.00			
			For Wire Guard, Add	40.50			
			For Polycarbonate Lens, Add	47.75			
			For Acrylic Lens, Add	54.00			
			For Gasketed/Wet Location, Add	57.75			
26 51 16 00-0170	EA	6	T5HO Lamps, 358 W, 4' Length, Surface Mounted, Fluorescent Fixture.....	685.47	49.97		
			For Instant Quartz Restrike, Add	60.00			
			For Wire Guard, Add	40.50			
			For Polycarbonate Lens, Add	47.75			
			For Acrylic Lens, Add	54.00			
			For Gasketed/Wet Location, Add	57.75			
26 51 16 00-0171			Corner Mounted, Fluorescent Fixtures (26 51 16 00-0001)				
			Note: Includes acrylic drop dish diffuser.				
26 51 16 00-0172			2' Length, Corner Mounted, Fluorescent Fixtures (26 51 16 00-0171)				
26 51 16 00-0173	EA	1	T8 Lamp, 2' Length, Corner Mounted, Fluorescent Fixture.....	256.12	32.16		
26 51 16 00-0174	EA	2	T8 Lamps, 2' Length, Corner Mounted, Fluorescent Fixture.....	286.32	32.16		
26 51 16 00-0175			3' Length, Corner Mounted, Fluorescent Fixtures (26 51 16 00-0171)				
26 51 16 00-0176	EA	1	T8 Lamp, 3' Length, Corner Mounted, Fluorescent Fixture.....	292.83	33.78		
26 51 16 00-0177	EA	2	T8 Lamps, 3' Length, Corner Mounted, Fluorescent Fixture.....	321.68	33.78		
26 51 16 00-0178			4' Length, Corner Mounted, Fluorescent Fixtures (26 51 16 00-0171)				
26 51 16 00-0179	EA	1	T8 Lamp, 4' Length, Corner Mounted, Fluorescent Fixture.....	288.24	35.38		
26 51 16 00-0180	EA	2	T8 Lamps, 4' Length, Corner Mounted, Fluorescent Fixture.....	317.99	35.38		
26 51 16 00-0181			Wall Bracket, Fluorescent Fixtures (26 51 16 00-0001)				
26 51 16 00-0182			Wall Bracket, Fluorescent Fixtures (Lithonia W) (26 51 16 00-0181)				
			Note: Includes extruded aluminum housing with brushed finish, acrylic diffuser and solid-state electronic ballast.				
26 51 16 00-0183			2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W) (26 51 16 00-0182)				
26 51 16 00-0184	EA	1	T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	245.84	53.99		
26 51 16 00-0185	EA	2	T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	250.87	53.99		
26 51 16 00-0186			3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W) (26 51 16 00-0182)				
26 51 16 00-0187	EA	1	T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	322.15	53.99		
26 51 16 00-0188	EA	2	T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	329.17	53.99		
26 51 16 00-0189			4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W) (26 51 16 00-0182)				
26 51 16 00-0190	EA	1	T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	333.94	53.99		
26 51 16 00-0191	EA	2	T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	338.96	53.99		
26 51 16 00-0192			Wall Bracket, Fluorescent Fixtures (Lithonia WP) (26 51 16 00-0181)				
			Note: Includes 20 gauge steel housing with baked finish, acrylic diffuser and solid-state electronic ballast.				
26 51 16 00-0193			2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP) (26 51 16 00-0192)				
26 51 16 00-0194	EA	1	T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	684.29	53.99		
26 51 16 00-0195	EA	2	T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	689.31	53.99		
26 51 16 00-0196			3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP) (26 51 16 00-0192)				
26 51 16 00-0197	EA	1	T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	533.44	53.99		
26 51 16 00-0198	EA	2	T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	540.45	53.99		
26 51 16 00-0199			4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP) (26 51 16 00-0192)				
26 51 16 00-0200	EA	1	T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	618.92	53.99		
26 51 16 00-0201	EA	2	T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	623.94	53.99		

		Electrical	26	26
		Lighting	26 50	
		Interior Lighting	26 51	
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
		UNIT COST	UNIT COST	

26 51 16 00-0202	Wall Bracket, Fluorescent Fixtures (Lithonia WC) (26 51 16 00-0181)			
	Note: Includes 20 gauge steel housing with baked finish, acrylic diffuser and solid-state electronic ballast.			
26 51 16 00-0203	2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC) (26 51 16 00-0202)			
26 51 16 00-0204	EA	1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	234.90	53.99
26 51 16 00-0205	EA	2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	239.92	53.99
26 51 16 00-0206	3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC) (26 51 16 00-0202)			
26 51 16 00-0207	EA	1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	236.89	53.99
26 51 16 00-0208	EA	2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	243.90	53.99
26 51 16 00-0209	4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC) (26 51 16 00-0202)			
26 51 16 00-0210	EA	1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	226.51	53.99
26 51 16 00-0211	EA	2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	231.53	53.99
26 51 16 00-0212	Low Occupancy, Industrial Fluorescent Fixtures (26 51 16 00-0001)			
26 51 16 00-0213	EA	1 T8 Lamp, 4' Length, Bi-Level Illumination, Industrial Fluorescent Fixture With Integral Occupancy Sensor (Deco SMART™ DSBL-CP).....	287.00	39.24
26 51 16 00-0214	EA	2 T8 Lamps, 4' Length, Bi-Level Illumination, Industrial Fluorescent Fixture With Integral Occupancy Sensor (Deco SMART™ DSBL-CP).....	292.37	42.89
26 51 16 00-0215	Ceiling Mounted Fluorescent Fixtures (26 51 16)			
26 51 16 00-0216	Ceiling Mounted, Compact Fluorescent/Incandescent Fixtures (26 51 16 00-0215)			
26 51 16 00-0217	Glass Globe, Compact Fluorescent/Incandescent Fixtures (26 51 16 00-0216)			
26 51 16 00-0218	EA	6" Diameter, Ceiling Mounted, Glass Globe, Compact Fluorescent/Incandescent Fixture	228.32	46.95
26 51 16 00-0219	EA	9" Diameter, Ceiling Mounted, Mushroom Style Glass Globe, Compact Fluorescent/Incandescent Fixture.....	282.32	46.95
26 51 16 00-0220	Ceiling Mounted, Circline Fluorescent Fixtures (26 51 16 00-0215)			
26 51 16 00-0221	Exposed Lamps, Circline Fluorescent Fixtures (26 51 16 00-0220)			
26 51 16 00-0222	EA	8-1/2" Diameter, Ceiling Mounted, Exposed Lamps, Circline Fluorescent Fixture	179.89	46.95
26 51 16 00-0223	EA	12" Diameter, Ceiling Mounted, Exposed Lamps, Circline Fluorescent Fixture	199.51	46.95
26 51 16 00-0224	Low Profile Acrylic Diffuser, Circline Fluorescent Fixtures (26 51 16 00-0220)			
26 51 16 00-0225	EA	11" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	299.89	46.95
26 51 16 00-0226	EA	14" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	448.56	46.95
26 51 16 00-0227	EA	19" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	551.56	46.95
26 51 16 00-0228	EA	12" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	348.05	46.95
26 51 16 00-0229	EA	15" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	451.60	46.95
26 51 16 00-0230	EA	19" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	551.56	46.95
26 51 16 00-0231	Ceiling Mounted, Double Twin Tube Compact Fluorescent Fixtures (26 51 16 00-0215)			
26 51 16 00-0232	Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixtures (26 51 16 00-0231)			
26 51 16 00-0233	EA	11" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture.....	304.07	46.95
26 51 16 00-0234	EA	14" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture.....	413.19	46.95
26 51 16 00-0235	EA	19" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture.....	505.73	46.95
26 51 16 00-0236	EA	12" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture.....	235.13	46.95
26 51 16 00-0237	EA	15" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture.....	291.85	46.95
26 51 16 00-0238	EA	19" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture.....	399.30	46.95
26 51 16 00-0239	Pendant Mounted, Compact Fluorescent/Incandescent Downlights (26 51 16 00-0215)			
26 51 16 00-0240	Pendant Mounted, Compact Fluorescent/Incandescent Open Reflector Downlights (26 51 16 00-0239)			
26 51 16 00-0241	EA	6" Diameter, Pendant Mounted, Open Reflector Compact Fluorescent/Incandescent Downlight.....	518.94	38.57
26 51 16 00-0242	Pendant Mounted, Compact Fluorescent/Incandescent Downlights With Baffle (26 51 16 00-0239)			
26 51 16 00-0243	EA	6" Diameter, Pendant Mounted, Compact Fluorescent/Incandescent Downlight With Baffle.....	601.15	38.57
26 51 16 00-0244	EA	8" Diameter, Pendant Mounted, Compact Fluorescent/Incandescent Downlight With Baffle.....	866.37	38.57
26 51 16 00-0245	Pendant Mounted, Horizontal Indirect Fluorescent Fixtures (26 51 16 00-0215)			
26 51 16 00-0246	EA	1 T5HO Lamp, 4' Length, Pendent Mounted, Horizontal Indirect Fluorescent Fixture	308.57	38.57
26 51 16 00-0247	EA	2 T5HO Lamps, 4' Length, Pendent Mounted, Horizontal Indirect Fluorescent Fixture	328.15	38.57
26 51 16 00-0248	EA	3 T5HO Lamps, 4' Length, Pendent Mounted, Horizontal Indirect Fluorescent Fixture	394.21	38.57
26 51 16 00-0249	EA	2 T5HO Lamps, 8' Length, Pendent Mounted, Horizontal Indirect Fluorescent Fixture	410.55	38.57
26 51 16 00-0250	EA	4 T5HO Lamps, 8' Length, Pendent Mounted, Horizontal Indirect Fluorescent Fixture	491.97	38.57
26 51 16 00-0251	EA	6 T5HO Lamps, 8' Length, Pendent Mounted, Horizontal Indirect Fluorescent Fixture	588.18	38.57

26 Electrical**26 50 Lighting****26 51 Interior Lighting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 51 16 00-0252	Finelite Fluorescent Fixtures (26 51 16 00-0215)				
26 51 16 00-0253	Pendant Mounted, Fluorescent Downlight Fixtures (Finelite Series 10) (26 51 16 00-0252)				
26 51 16 00-0254	EA	1 T8 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	526.37		54.69
		For Dual Circuit, Add	133.26		
26 51 16 00-0255	EA	2 T8 Lamps, 2 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	523.99		54.69
		For Dual Circuit, Add	132.55		
26 51 16 00-0256	EA	3 T8 Lamps, 3 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	567.38		54.69
		For Dual Circuit, Add	145.57		
26 51 16 00-0257	EA	1 T5HO Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	636.35		54.69
		For Dual Circuit, Add	166.26		
26 51 16 00-0258	EA	2 T5HO Lamps, 2 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	698.18		54.69
		For Dual Circuit, Add	184.81		
26 51 16 00-0259	EA	3 T5HO Lamps, 3 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	860.72		54.69
		For Dual Circuit, Add	233.57		
26 51 16 00-0260	EA	2 T8 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	755.21		57.04
		For Dual Circuit, Add	150.91		
26 51 16 00-0261	EA	4 T8 Lamps, 2 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	777.92		57.04
		For Dual Circuit, Add	156.02		
26 51 16 00-0262	EA	6 T8 Lamps, 3 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	864.71		57.04
		For Dual Circuit, Add	175.55		
26 51 16 00-0263	EA	2 T5HO Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	828.70		57.04
		For Dual Circuit, Add	167.44		
26 51 16 00-0264	EA	4 T5HO Lamps, 2 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	1,043.91		57.04
		For Dual Circuit, Add	215.87		
26 51 16 00-0265	EA	6 T5HO Lamps, 3 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	1,231.66		57.04
		For Dual Circuit, Add	258.11		
26 51 16 00-0266	EA	3 T8 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	1,002.36		59.39
		For Dual Circuit, Add	137.33		
26 51 16 00-0267	EA	6 T8 Lamps, 2 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	1,041.00		59.39
		For Dual Circuit, Add	143.12		
26 51 16 00-0268	EA	9 T8 Lamps, 3 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	1,152.88		59.39
		For Dual Circuit, Add	159.90		
26 51 16 00-0269	EA	3 T5HO Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	1,158.38		59.39
		For Dual Circuit, Add	160.73		
26 51 16 00-0270	EA	6 T5HO Lamps, 2 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	1,435.42		59.39
		For Dual Circuit, Add	202.28		
26 51 16 00-0271	EA	9 T5HO Lamps, 3 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	1,721.62		59.39
		For Dual Circuit, Add	245.21		
26 51 16 00-0272	Pendant Mounted, Fluorescent Wallwash Fixtures (Finelite Series X2-O) (26 51 16 00-0252)				
26 51 16 00-0273	EA	1 T8 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O)	519.03		54.69
		For Dual Circuit, Add	131.06		
26 51 16 00-0274	EA	1 T5 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O)	566.35		54.69
		For Dual Circuit, Add	145.26		
26 51 16 00-0275	EA	1 T5HO Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O)	565.59		54.69
		For Dual Circuit, Add	145.03		
26 51 16 00-0276	EA	2 T8 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O)	766.95		57.04
		For Dual Circuit, Add	153.55		
26 51 16 00-0277	EA	2 T5 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O)	821.80		57.04
		For Dual Circuit, Add	165.89		
26 51 16 00-0278	EA	2 T5HO Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O)	820.27		57.04
		For Dual Circuit, Add	165.55		
26 51 16 00-0279	EA	3 T8 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O)	1,014.88		59.39
		For Dual Circuit, Add	139.20		
26 51 16 00-0280	EA	3 T5 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O)	1,156.84		59.39
		For Dual Circuit, Add	160.50		
26 51 16 00-0281	EA	3 T5HO Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O)	1,154.56		59.39
		For Dual Circuit, Add	160.16		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0282			Fluorescent, Recessed Fixture Housings (26 51 16)		
26 51 16 00-0283	EA		4" Round, Fluorescent, T Or ICT Recessed Fixture Housing	136.56	33.57
			For ICAT Housing, Add	11.10	
26 51 16 00-0284	EA		5" Round, Fluorescent, T Or ICT Recessed Fixture Housing	141.25	33.57
			For ICAT Housing, Add	11.71	
26 51 16 00-0285	EA		6" Round, Fluorescent, T Or ICT Recessed Fixture Housing	147.15	35.09
			For ICAT Housing, Add	12.17	
26 51 16 00-0286	EA		7" Round, Fluorescent, T Or ICT Recessed Fixture Housing	154.65	36.38
			For ICAT Housing, Add	12.83	
26 51 16 00-0287	EA		8" Round, Fluorescent, T Or ICT Recessed Fixture Housing	161.19	38.27
			For ICAT Housing, Add	13.37	
26 51 16 00-0288	EA		10" To 12" Square, Fluorescent, T Or ICT Recessed Fixture Housing	166.84	40.61
			For ICAT Housing, Add	13.65	
26 51 16 00-0289			Compact Fluorescent, Recessed Fixture Housings (26 51 16)		
26 51 16 00-0290	EA		4" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	156.73	33.57
			For ICAT Housing, Add	13.71	
26 51 16 00-0291	EA		5" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	161.35	33.57
			For ICAT Housing, Add	14.30	
26 51 16 00-0292	EA		6" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	167.40	35.21
			For ICAT Housing, Add	14.78	
26 51 16 00-0293	EA		7" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	172.25	36.73
			For ICAT Housing, Add	15.10	
26 51 16 00-0294	EA		8" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	177.84	38.27
			For ICAT Housing, Add	15.52	
26 51 16 00-0295	EA		10" To 12" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	183.14	40.61
			For ICAT Housing, Add	15.75	
26 51 16 00-0296			Fluorescent Track Lighting Fixtures (26 51 16)		
26 51 16 00-0297	EA		2L 18W BX Track Fixture, Electronic Ballast	300.51	19.60
			Note: White or Black Finish, 120V.		
26 51 16 00-0298	EA		2L 39W BX Track Fixture, Electronic Ballast	309.27	19.60
			Note: White or Black Finish, 120V.		
26 51 16 00-0299	EA		2L 40W BX Track Fixture, Electronic Ballast	314.74	19.60
			Note: White or Black Finish, 120V.		
26 51 16 00-0300	EA		2L 50W BX Track Fixture, Electronic Ballast	193.61	19.60
			Note: White or Black Finish, 120V.		
26 51 16 00-0301	EA		2L, 55 Watt BX Track Fixture, Electronic Ballast	336.20	19.60
			Note: White or Black Finish, 120V.		
26 51 16 00-0302			Compact Fluorescent Track Lighting Fixtures (26 51 16)		
26 51 16 00-0303	EA		Compact Fluorescent Track Lighting Fixture	100.51	19.60
26 51 16 00-0304			Compact Fluorescent, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures (26 51 16)		
26 51 16 00-0305	EA		13 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	138.33	46.95
			For Wall Mounted, Add	6.02	
26 51 16 00-0306	EA		22 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	141.96	46.95
			For Wall Mounted, Add	6.02	
26 51 16 00-0307	EA		28 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	150.92	46.95
			For Wall Mounted, Add	6.02	
26 51 16 00-0308			Wet Location, Dust Resistant, Vapor Tight, Enclosed And Gasketed, Industrial Fluorescent Fixtures (26 51 16)		
26 51 16 00-0309			4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (26 51 16 00-0308)		
26 51 16 00-0310			4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Lithonia DMW) (26 51 16 00-0309)		
			Note: Includes high impact acrylic molded lens.		
26 51 16 00-0311	EA		1 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW)	315.60	49.97
			For T5 Fixture Instead Of T8, Add	27.54	
26 51 16 00-0312	EA		2 T8 Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW)	331.26	49.97
			For T5 Fixture Instead Of T8, Add	29.33	
26 51 16 00-0313	EA		3 T8 Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW)	523.12	49.97
			For T5 Fixture Instead Of T8, Add	51.30	
26 51 16 00-0314	EA		1 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW)	450.46	49.97
26 51 16 00-0315	EA		2 T8HO Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW)	729.87	49.97
26 51 16 00-0316			4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Day-Brite V2W) (26 51 16 00-0309)		
			Note: Includes high impact acrylic molded lens.		
26 51 16 00-0317	EA		1 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W)	372.10	49.97
26 51 16 00-0318	EA		2 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W)	376.86	49.97
26 51 16 00-0319	EA		3 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W)	553.40	49.97
26 51 16 00-0320	EA		1 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W)	456.01	49.97
26 51 16 00-0321	EA		2 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W)	477.09	49.97

26 Electrical**26 50 Lighting****26 51 Interior Lighting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 51 16 00-0322	8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (26 51 16 00-0308) Note: Includes high impact acrylic molded lens.		
26 51 16 00-0323	8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Lithonia TDMW) (26 51 16 00-0322) Note: Includes high impact acrylic molded lens.		
26 51 16 00-0324	EA 2 T8 Lamps, 8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia TDMW)..... For T5 Fixture Instead Of T8, Add	599.41 56.97	67.88
26 51 16 00-0325	EA 4 T8 Lamps, 8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia TDMW)..... For T5 Fixture Instead Of T8, Add	624.11 59.80	67.88
26 51 16 00-0326	High Bay Fluorescent Fixtures (26 51 16)		
26 51 16 00-0327	(T8) Fluorescent, High Bay Fixtures (26 51 16 00-0326)		
26 51 16 00-0328	(T8) Fluorescent, High Bay Fixtures (Lithonia) (26 51 16 00-0327) Note: For 8' fixture, use two (2) 4' fixtures.		
26 51 16 00-0329	EA 2 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)..... For Wire Guard, Add For Polycarbonate Lens, Add For Acrylic Lens, Add	512.95 40.50 47.75 54.00	109.37
26 51 16 00-0330	EA 3 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)..... For Wire Guard, Add For Polycarbonate Lens, Add For Acrylic Lens, Add	536.30 40.50 47.75 54.00	121.17
26 51 16 00-0331	EA 4 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)..... For Wire Guard, Add For Polycarbonate Lens, Add For Acrylic Lens, Add	607.63 40.50 47.75 54.00	138.32
26 51 16 00-0332	EA 6 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)..... For Wire Guard, Add For Polycarbonate Lens, Add For Acrylic Lens, Add	732.36 40.50 47.75 54.00	145.72
26 51 16 00-0333	EA 8 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)..... For Wire Guard, Add For Polycarbonate Lens, Add For Acrylic Lens, Add	797.73 40.50 47.75 54.00	152.48
26 51 16 00-0334	EA 4 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)..... For Wire Guard, Add For Polycarbonate Lens, Add For Acrylic Lens, Add	445.26 40.50 47.75 54.00	138.32
26 51 16 00-0335	EA 6 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)..... For Wire Guard, Add For Polycarbonate Lens, Add For Acrylic Lens, Add	469.53 40.50 47.75 54.00	145.72
26 51 16 00-0336	EA 8 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)..... For Wire Guard, Add For Polycarbonate Lens, Add For Acrylic Lens, Add	538.53 40.50 47.75 54.00	152.48
26 51 16 00-0337	(T5HO) Fluorescent, High Bay Fixtures (26 51 16 00-0326)		
26 51 16 00-0338	(T5HO) Fluorescent, High Bay Fixtures (Lithonia) (26 51 16 00-0337) Note: For 8' fixture, use two (2) 4' fixtures.		
26 51 16 00-0339	EA 2 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)..... For Wire Guard, Add For Polycarbonate Lens, Add For Acrylic Lens, Add	518.91 40.50 47.75 54.00	109.37
26 51 16 00-0340	EA 3 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)..... For Wire Guard, Add For Polycarbonate Lens, Add For Acrylic Lens, Add	542.39 40.50 47.75 54.00	121.17
26 51 16 00-0341	EA 4 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)..... For Wire Guard, Add For Polycarbonate Lens, Add For Acrylic Lens, Add	617.72 40.50 47.75 54.00	138.32
26 51 16 00-0342	EA 6 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)..... For Wire Guard, Add For Polycarbonate Lens, Add For Acrylic Lens, Add	752.75 40.50 47.75 54.00	145.72
26 51 16 00-0343	EA 4 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)..... For Wire Guard, Add For Polycarbonate Lens, Add For Acrylic Lens, Add	470.47 40.50 47.75 54.00	138.32
26 51 16 00-0344	EA 6 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)..... For Wire Guard, Add For Polycarbonate Lens, Add For Acrylic Lens, Add	519.79 40.50 47.75 54.00	145.72
26 51 16 00-0345	EA 8 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)..... For Wire Guard, Add For Polycarbonate Lens, Add For Acrylic Lens, Add	608.31 40.50 47.75 54.00	152.48

26 51 19 LED Interior Lighting (26 51)**26 51 19 00-0001 LED Fixtures (26 51 19)**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
26 51 19 00-0002			Undercabinet LED Fixtures (26 51 19 00-0001)		
26 51 19 00-0003	EA		12" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ12-M6)	138.85	28.96
			For >50 To 100, Deduct	-4.68	
			For >100 To 250, Deduct	-8.15	
			For >250 To 500, Deduct	-13.89	
			For >500, Deduct	-19.62	
26 51 19 00-0004	EA		18" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ18-M6)	171.84	35.38
			For >50 To 100, Deduct	-5.77	
			For >100 To 250, Deduct	-10.07	
			For >250 To 500, Deduct	-17.18	
			For >500, Deduct	-24.30	
26 51 19 00-0005	EA		24" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ24-M6)	172.87	35.38
			For >50 To 100, Deduct	-5.80	
			For >100 To 250, Deduct	-10.12	
			For >250 To 500, Deduct	-17.29	
			For >500, Deduct	-24.46	
26 51 19 00-0006	EA		9" Length x 3-1/2 Width x 1" Depth, Undercabinet/Modular General Purpose LED Fixture (Progressive P7002)	127.66	28.96
			For >50 To 100, Deduct	-4.40	
			For >100 To 250, Deduct	-7.59	
			For >250 To 500, Deduct	-12.77	
			For >500, Deduct	-17.94	
26 51 19 00-0007	EA		12" Length x 3-1/2 Width x 1" Depth, Undercabinet/Modular General Purpose LED Fixture (Progressive P7012)	139.62	28.96
			For >50 To 100, Deduct	-4.70	
			For >100 To 250, Deduct	-8.19	
			For >250 To 500, Deduct	-13.96	
			For >500, Deduct	-19.74	
26 51 19 00-0008	EA		18" Length x 3-1/2 Width x 1" Depth, Undercabinet/Modular General Purpose LED Fixture (Progressive P7005)	157.81	28.96
			For >50 To 100, Deduct	-5.15	
			For >100 To 250, Deduct	-9.10	
			For >250 To 500, Deduct	-15.78	
			For >500, Deduct	-22.47	
26 51 19 00-0009	EA		24" Length x 3-1/2 Width x 1" Depth, Undercabinet/Modular General Purpose LED Fixture (Progressive P7013)	175.43	28.96
			For >50 To 100, Deduct	-5.59	
			For >100 To 250, Deduct	-9.98	
			For >250 To 500, Deduct	-17.54	
			For >500, Deduct	-25.11	
26 51 19 00-0010	EA		24" HIDE-A-LITE V Series LED Undercabinet Fixture (Progress Lighting P700003-028-30)	164.91	28.96
			For >50 To 100, Deduct	-5.33	
			For >100 To 250, Deduct	-9.45	
			For >250 To 500, Deduct	-16.49	
			For >500, Deduct	-23.53	
26 51 19 00-0011			Surface Mount Linear/Striplight LED Fixtures (26 51 19 00-0001)		
26 51 19 00-0012			Striplight LED Fixtures (Lithonia CLX) (26 51 19 00-0011)		
			Note: Standard efficiency, flat or round diffuse lens, 120-277 volt, 0-10 volt dimming, 3000K to 5000K color temperature, 80CRI		
26 51 19 00-0013	EA		2' Length, 1,500 Lumens, LED Striplight Fixture (Lithonia CLX)	217.95	32.16
			Note: With integral occupancy sensor		
26 51 19 00-0014	EA		2' Length, 2,000 Lumens, LED Striplight Fixture (Lithonia CLX)	223.89	32.16
			Note: With integral occupancy sensor		
26 51 19 00-0015	EA		4' Length, 3,000 Lumens, LED Striplight Fixture (Lithonia CLX)	258.40	39.24
			Note: With integral occupancy sensor		
26 51 19 00-0016	EA		4' Length, 4,000 Lumens, LED Striplight Fixture (Lithonia CLX)	264.35	39.24
			Note: With integral occupancy sensor		
26 51 19 00-0017	EA		4' Length, 5,000 Lumens, LED Striplight Fixture (Lithonia CLX)	270.30	39.24
			Note: With integral occupancy sensor		
26 51 19 00-0018	EA		4' Length, 7,000 Lumens, LED Striplight Fixture (Lithonia CLX)	276.24	39.24
			Note: With integral occupancy sensor		
26 51 19 00-0019	EA		4' Length, 9,000 Lumens, LED Striplight Fixture (Lithonia CLX)	282.20	39.24
			Note: With integral occupancy sensor		
26 51 19 00-0020	EA		8' Length, 6,000 Lumens, LED Striplight Fixture (Lithonia CLX)	361.31	46.43
			Note: With integral occupancy sensor		
26 51 19 00-0021	EA		8' Length, 8,000 Lumens, LED Striplight Fixture (Lithonia CLX)	373.20	46.43
			Note: With integral occupancy sensor		
26 51 19 00-0022	EA		8' Length, 10,000 Lumens, LED Striplight Fixture (Lithonia CLX)	386.58	46.43
			Note: With integral occupancy sensor		
26 51 19 00-0023	EA		8' Length, 14,000 Lumens, LED Striplight Fixture (Lithonia CLX)	398.48	46.43
			Note: With integral occupancy sensor		
26 51 19 00-0024	EA		8' Length, 18,000 Lumens, LED Striplight Fixture (Lithonia CLX)	411.86	46.43
			Note: With integral occupancy sensor		
26 51 19 00-0025	EA		8' Length, 20,000 Lumens, LED Striplight Fixture (Lithonia CLX)	423.76	46.43
			Note: With integral occupancy sensor		
26 51 19 00-0026			Striplight LED Fixtures (Lithonia ZL) (26 51 19 00-0011)		
26 51 19 00-0027	EA		3,000 Lumens, 2' Length, LED Striplight Fixture (Lithonia ZL1)	215.61	32.16
			For >50 To 100, Deduct	-6.60	
			For >100 To 250, Deduct	-11.99	
			For >250 To 500, Deduct	-21.56	
			For >500, Deduct	-31.14	
26 51 19 00-0028	EA		2,800 Lumens, 4' Length, LED Striplight Fixture (Lithonia ZL1)	226.33	39.24
			For >50 To 100, Deduct	-7.13	
			For >100 To 250, Deduct	-12.79	
			For >250 To 500, Deduct	-22.63	
			For >500, Deduct	-32.48	

26 Electrical**26 50 Lighting****26 51 Interior Lighting**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 51 19 00-0029	EA 1,400 Lumens, 2' Length, Lensed LED Striplight Fixture (Lithonia ZL2)	239.99		32.16
	For >50 To 100, Deduct	-7.21		
	For >100 To 250, Deduct	-13.21		
	For >250 To 500, Deduct	-24.00		
	For >500, Deduct	-34.79		
26 51 19 00-0030	EA 2,300 Lumens, 4' Length, Lensed LED Striplight Fixture (Lithonia ZL2)	250.71		39.24
	For >50 To 100, Deduct	-7.74		
	For >100 To 250, Deduct	-14.01		
	For >250 To 500, Deduct	-25.07		
	For >500, Deduct	-36.13		
26 51 19 00-0031	EA 4,600 Lumens, 4' Length, Lensed LED Striplight Fixture (Lithonia ZL2)	312.79		39.24
	For >50 To 100, Deduct	-9.29		
	For >100 To 250, Deduct	-17.11		
	For >250 To 500, Deduct	-31.28		
	For >500, Deduct	-45.44		
26 51 19 00-0032 Striplight LED Fixtures (Lithonia ZL1D) (26 51 19 00-0011)				
26 51 19 00-0033	EA 1,985 Lumens, 17 Watt, 2' Length, 3000K CCT, LED Striplight (Lithonia Lighting ZL1D L24 1500LM MVOLT 30K 80CRI)	172.96		32.16
	For >50 To 100, Deduct	-5.53		
	For >100 To 250, Deduct	-9.85		
	For >250 To 500, Deduct	-17.30		
	For >500, Deduct	-24.74		
26 51 19 00-0034	EA 2,030 Lumens, 17 Watt, 2' Length, 3500K CCT, LED Striplight (Lithonia Lighting ZL1D L24 1500LM MVOLT 35K 80CRI)	172.96		32.16
	For >50 To 100, Deduct	-5.53		
	For >100 To 250, Deduct	-9.85		
	For >250 To 500, Deduct	-17.30		
	For >500, Deduct	-24.74		
26 51 19 00-0035	EA 2,061 Lumens, 17 Watt, 2' Length, 4000K CCT, LED Striplight (Lithonia Lighting ZL1D L24 1500LM MVOLT 40K 80CRI)	172.96		32.16
	For >50 To 100, Deduct	-5.53		
	For >100 To 250, Deduct	-9.85		
	For >250 To 500, Deduct	-17.30		
	For >500, Deduct	-24.74		
26 51 19 00-0036	EA 2,137 Lumens, 17 Watt, 2' Length, 5000K CCT, LED Striplight (Lithonia Lighting ZL1D L24 1500LM MVOLT 50K 80CRI)	172.96		32.16
	For >50 To 100, Deduct	-5.53		
	For >100 To 250, Deduct	-9.85		
	For >250 To 500, Deduct	-17.30		
	For >500, Deduct	-24.74		
26 51 19 00-0037	EA 2,682 Lumens, 22 Watt, 2' Length, 3000K CCT, LED Striplight (Lithonia Lighting ZL1D L24 2500LM MVOLT 30K 80CRI)	195.69		32.16
	For >50 To 100, Deduct	-6.10		
	For >100 To 250, Deduct	-10.99		
	For >250 To 500, Deduct	-19.57		
	For >500, Deduct	-28.15		
26 51 19 00-0038	EA 2,742 Lumens, 22 Watt, 2' Length, 3500K CCT, LED Striplight (Lithonia Lighting ZL1D L24 2500LM MVOLT 35K 80CRI)	195.69		32.16
	For >50 To 100, Deduct	-6.10		
	For >100 To 250, Deduct	-10.99		
	For >250 To 500, Deduct	-19.57		
	For >500, Deduct	-28.15		
26 51 19 00-0039	EA 2,785 Lumens, 22 Watt, 2' Length, 4000K CCT, LED Striplight (Lithonia Lighting ZL1D L24 2500LM MVOLT 40K 80CRI)	195.69		32.16
	For >50 To 100, Deduct	-6.10		
	For >100 To 250, Deduct	-10.99		
	For >250 To 500, Deduct	-19.57		
	For >500, Deduct	-28.15		
26 51 19 00-0040	EA 2,887 Lumens, 22 Watt, 2' Length, 5000K CCT, LED Striplight (Lithonia Lighting ZL1D L24 2500LM MVOLT 50K 80CRI)	195.69		32.16
	For >50 To 100, Deduct	-6.10		
	For >100 To 250, Deduct	-10.99		
	For >250 To 500, Deduct	-19.57		
	For >500, Deduct	-28.15		
26 51 19 00-0041	EA 4,099 Lumens, 36 Watt, 2' Length, 3000K CCT, LED Striplight (Lithonia Lighting ZL1D L24 3500LM MVOLT 30K 80CRI)	206.98		32.16
	For >50 To 100, Deduct	-6.38		
	For >100 To 250, Deduct	-11.56		
	For >250 To 500, Deduct	-20.70		
	For >500, Deduct	-29.84		
26 51 19 00-0042	EA 4,190 Lumens, 36 Watt, 2' Length, 3500K CCT, LED Striplight (Lithonia Lighting ZL1D L24 3500LM MVOLT 35K 80CRI)	206.98		32.16
	For >50 To 100, Deduct	-6.38		
	For >100 To 250, Deduct	-11.56		
	For >250 To 500, Deduct	-20.70		
	For >500, Deduct	-29.84		
26 51 19 00-0043	EA 4,255 Lumens, 36 Watt, 2' Length, 4000K CCT, LED Striplight (Lithonia Lighting ZL1D L24 3500LM MVOLT 40K 80CRI)	206.98		32.16
	For >50 To 100, Deduct	-6.38		
	For >100 To 250, Deduct	-11.56		
	For >250 To 500, Deduct	-20.70		
	For >500, Deduct	-29.84		
26 51 19 00-0044	EA 4,412 Lumens, 36 Watt, 2' Length, 5000K CCT, LED Striplight (Lithonia Lighting ZL1D L24 3500LM MVOLT 50K 80CRI)	206.98		32.16
	For >50 To 100, Deduct	-6.38		
	For >100 To 250, Deduct	-11.56		
	For >250 To 500, Deduct	-20.70		
	For >500, Deduct	-29.84		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0045	EA		3,880 Lumens, 30 Watt, 4' Length, 3000K CCT, LED Striplight (Lithonia Lighting ZL1D L48 3000LM MVOLT 30K 80CRI).....	235.81	39.24
			For >50 To 100, Deduct	-7.37	
			For >100 To 250, Deduct	-13.26	
			For >250 To 500, Deduct	-23.58	
			For >500, Deduct	-33.90	
26 51 19 00-0046	EA		3,966 Lumens, 30 Watt, 4' Length, 3500K CCT, LED Striplight (Lithonia Lighting ZL1D L48 3000LM MVOLT 35K 80CRI).....	235.81	39.24
			For >50 To 100, Deduct	-7.37	
			For >100 To 250, Deduct	-13.26	
			For >250 To 500, Deduct	-23.58	
			For >500, Deduct	-33.90	
26 51 19 00-0047	EA		4,028 Lumens, 30 Watt, 4' Length, 4000K CCT, LED Striplight (Lithonia Lighting ZL1D L48 3000LM MVOLT 40K 80CRI).....	235.81	39.24
			For >50 To 100, Deduct	-7.37	
			For >100 To 250, Deduct	-13.26	
			For >250 To 500, Deduct	-23.58	
			For >500, Deduct	-33.90	
26 51 19 00-0048	EA		4,176 Lumens, 30 Watt, 4' Length, 5000K CCT, LED Striplight (Lithonia Lighting ZL1D L48 3000LM MVOLT 50K 80CRI).....	235.81	39.24
			For >50 To 100, Deduct	-7.37	
			For >100 To 250, Deduct	-13.26	
			For >250 To 500, Deduct	-23.58	
			For >500, Deduct	-33.90	
26 51 19 00-0049	EA		5,337 Lumens, 41 Watt, 4' Length, 3000K CCT, LED Striplight (Lithonia Lighting ZL1D L48 5000LM MVOLT 30K 80CRI).....	247.11	39.24
			For >50 To 100, Deduct	-7.65	
			For >100 To 250, Deduct	-13.83	
			For >250 To 500, Deduct	-24.71	
			For >500, Deduct	-35.59	
26 51 19 00-0050	EA		5,456 Lumens, 41 Watt, 4' Length, 3500K CCT, LED Striplight (Lithonia Lighting ZL1D L48 5000LM MVOLT 35K 80CRI).....	247.11	39.24
			For >50 To 100, Deduct	-7.65	
			For >100 To 250, Deduct	-13.83	
			For >250 To 500, Deduct	-24.71	
			For >500, Deduct	-35.59	
26 51 19 00-0051	EA		5,541 Lumens, 41 Watt, 4' Length, 4000K CCT, LED Striplight (Lithonia Lighting ZL1D L48 5000LM MVOLT 40K 80CRI).....	247.11	39.24
			For >50 To 100, Deduct	-7.65	
			For >100 To 250, Deduct	-13.83	
			For >250 To 500, Deduct	-24.71	
			For >500, Deduct	-35.59	
26 51 19 00-0052	EA		5,745 Lumens, 41 Watt, 4' Length, 5000K CCT, LED Striplight (Lithonia Lighting ZL1D L48 5000LM MVOLT 50K 80CRI).....	247.11	39.24
			For >50 To 100, Deduct	-7.65	
			For >100 To 250, Deduct	-13.83	
			For >250 To 500, Deduct	-24.71	
			For >500, Deduct	-35.59	
26 51 19 00-0053	EA		7,317 Lumens, 59 Watt, 4' Length, 3000K CCT, LED Striplight (Lithonia Lighting ZL1D L48 7000LM MVOLT 30K 80CRI).....	258.42	39.24
			For >50 To 100, Deduct	-7.93	
			For >100 To 250, Deduct	-14.40	
			For >250 To 500, Deduct	-25.64	
			For >500, Deduct	-37.29	
26 51 19 00-0054	EA		7,480 Lumens, 59 Watt, 4' Length, 3500K CCT, LED Striplight (Lithonia Lighting ZL1D L48 7000LM MVOLT 35K 80CRI).....	258.42	39.24
			For >50 To 100, Deduct	-7.93	
			For >100 To 250, Deduct	-14.40	
			For >250 To 500, Deduct	-25.64	
			For >500, Deduct	-37.29	
26 51 19 00-0055	EA		7,596 Lumens, 59 Watt, 4' Length, 4000K CCT, LED Striplight (Lithonia Lighting ZL1D L48 7000LM MVOLT 40K 80CRI).....	258.42	39.24
			For >50 To 100, Deduct	-7.93	
			For >100 To 250, Deduct	-14.40	
			For >250 To 500, Deduct	-25.64	
			For >500, Deduct	-37.29	
26 51 19 00-0056	EA		7,876 Lumens, 59 Watt, 4' Length, 5000K CCT, LED Striplight (Lithonia Lighting ZL1D L48 7000LM MVOLT 50K 80CRI).....	258.42	39.24
			For >50 To 100, Deduct	-7.93	
			For >100 To 250, Deduct	-14.40	
			For >250 To 500, Deduct	-25.64	
			For >500, Deduct	-37.29	
26 51 19 00-0057			Striplight LED Fixtures (Lithonia TZL1D) (26 51 19 00-0011)		
26 51 19 00-0058	EA		8,077 Lumens, 60 Watt, 8' Length, 3000K CCT, LED Striplight (Lithonia Lighting TZL1D L96 6000LM MVOLT 30K 80CRI).....	423.36	46.43
			For >50 To 100, Deduct	-12.33	
			For >100 To 250, Deduct	-22.91	
			For >250 To 500, Deduct	-42.34	
			For >500, Deduct	-61.76	
26 51 19 00-0059	EA		8,257 Lumens, 60 Watt, 8' Length, 3500K CCT, LED Striplight (Lithonia Lighting TZL1D L96 6000LM MVOLT 35K 80CRI).....	423.36	46.43
			For >50 To 100, Deduct	-12.33	
			For >100 To 250, Deduct	-22.91	
			For >250 To 500, Deduct	-42.34	
			For >500, Deduct	-61.76	

26 Electrical**26 50 Lighting****26 51 Interior Lighting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 51 19 00-0060	EA	8,386 Lumens, 60 Watt, 8' Length, 4000K CCT, LED Striplight (Lithonia Lighting TZL1D L96 6000LM MVOLT 40K 80CRI)	423.36	46.43
		For >50 To 100, Deduct	-12.33	
		For >100 To 250, Deduct	-22.91	
		For >250 To 500, Deduct	-42.34	
		For >500, Deduct	-61.76	
26 51 19 00-0061	EA	8,694 Lumens, 60 Watt, 8' Length, 5000K CCT, LED Striplight (Lithonia Lighting TZL1D L96 6000LM MVOLT 50K 80CRI)	423.36	46.43
		For >50 To 100, Deduct	-12.33	
		For >100 To 250, Deduct	-22.91	
		For >250 To 500, Deduct	-42.34	
		For >500, Deduct	-61.76	
26 51 19 00-0062	EA	11,021 Lumens, 81 Watt, 8' Length, 3000K CCT, LED Striplight (Lithonia Lighting TZL1D L96 10000LM MVOLT 30K 80CRI)	445.97	46.43
		For >50 To 100, Deduct	-12.89	
		For >100 To 250, Deduct	-24.04	
		For >250 To 500, Deduct	-44.60	
		For >500, Deduct	-65.15	
26 51 19 00-0063	EA	11,267 Lumens, 81 Watt, 8' Length, 3500K CCT, LED Striplight (Lithonia Lighting TZL1D L96 10000LM MVOLT 35K 80CRI)	445.97	46.43
		For >50 To 100, Deduct	-12.89	
		For >100 To 250, Deduct	-24.04	
		For >250 To 500, Deduct	-44.60	
		For >500, Deduct	-65.15	
26 51 19 00-0064	EA	11,442 Lumens, 81 Watt, 8' Length, 4000K CCT, LED Striplight (Lithonia Lighting TZL1D L96 10000LM MVOLT 40K 80CRI)	445.97	46.43
		For >50 To 100, Deduct	-12.89	
		For >100 To 250, Deduct	-24.04	
		For >250 To 500, Deduct	-44.60	
		For >500, Deduct	-65.15	
26 51 19 00-0065	EA	11,864 Lumens, 81 Watt, 8' Length, 5000K CCT, LED Striplight (Lithonia Lighting TZL1D L96 10000LM MVOLT 50K 80CRI)	445.97	46.43
		For >50 To 100, Deduct	-12.89	
		For >100 To 250, Deduct	-24.04	
		For >250 To 500, Deduct	-44.60	
		For >500, Deduct	-65.15	
26 51 19 00-0066	EA	15,397 Lumens, 121 Watt, 8' Length, 3000K CCT, LED Striplight (Lithonia Lighting TZL1D L96 14000LM MVOLT 30K 80CRI)	468.70	46.43
		For >50 To 100, Deduct	-13.46	
		For >100 To 250, Deduct	-25.18	
		For >250 To 500, Deduct	-46.87	
		For >500, Deduct	-68.56	
26 51 19 00-0067	EA	15,741 Lumens, 121 Watt, 8' Length, 3500K CCT, LED Striplight (Lithonia Lighting TZL1D L96 14000LM MVOLT 35K 80CRI)	468.70	46.43
		For >50 To 100, Deduct	-13.46	
		For >100 To 250, Deduct	-25.18	
		For >250 To 500, Deduct	-46.87	
		For >500, Deduct	-68.56	
26 51 19 00-0068	EA	15,986 Lumens, 121 Watt, 8' Length, 4000K CCT, LED Striplight (Lithonia Lighting TZL1D L96 14000LM MVOLT 40K 80CRI)	468.70	46.43
		For >50 To 100, Deduct	-13.46	
		For >100 To 250, Deduct	-25.18	
		For >250 To 500, Deduct	-46.87	
		For >500, Deduct	-68.56	
26 51 19 00-0069	EA	16,574 Lumens, 121 Watt, 8' Length, 5000K CCT, LED Striplight (Lithonia Lighting TZL1D L96 14000LM MVOLT 50K 80CRI)	468.70	46.43
		For >50 To 100, Deduct	-13.46	
		For >100 To 250, Deduct	-25.18	
		For >250 To 500, Deduct	-46.87	
		For >500, Deduct	-68.56	
26 51 19 00-0070		Striplight LED Fixtures (Mobern) (26 51 19 00-0011)	223.81	32.16
26 51 19 00-0071	EA	1,100 Lumens, 12 Watt, 2' Length, Chrome, LED Bracket Fixture (Mobern 7924LED12DMV30)	-6.80	
		For >50 To 100, Deduct	-12.40	
		For >100 To 250, Deduct	-22.38	
		For >250 To 500, Deduct	-32.37	
26 51 19 00-0072		Striplight LED Fixtures (Eaton) (26 51 19 00-0011)	284.82	39.24
26 51 19 00-0073	EA	2,301 Lumens, 18 Watt, 4' Length, LED Strip Lighting (Eaton Lighting 4SNLED-LD4-22SL-LC-UNV-L840-CD1-U)	-8.59	
		For >50 To 100, Deduct	-15.72	
		For >100 To 250, Deduct	-28.48	
		For >250 To 500, Deduct	-41.25	
26 51 19 00-0074	EA	2,382 Lumens, 16 Watt, 4' Length, LED Clear Lensed Striplight (Cooper Industries 4SNLED-LD5-22SL-LC-UNV-L840-CD1-U)	268.35	39.24
		For >50 To 100, Deduct	-8.18	
		For >100 To 250, Deduct	-14.89	
		For >250 To 500, Deduct	-26.84	
		For >500, Deduct	-38.78	
26 51 19 00-0075	EA	2,382 Lumens, 16 Watt, 4' Length, Clear Lens, LED Striplight (Cooper Industries Metalux Series 4SNLED-LD5-22SL-LC-UNV-830-CD1-U)	284.82	39.24
		For >50 To 100, Deduct	-8.59	
		For >100 To 250, Deduct	-15.72	
		For >250 To 500, Deduct	-28.48	
		For >500, Deduct	-41.25	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST

26 51 19 00-0076			Suspended Linear LED Fixtures (26 51 19 00-0001)		
26 51 19 00-0077			Suspended, Pendant Mounted, Linear LED Fixtures (Lithonia GRD) (26 51 19 00-0076)		
26 51 19 00-0078	EA		3,303 Lumens, 25 Watt, 4' Length, 3000K CCT, 4' Length, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL4 30K ID800LMF).....	731.12	39.24
			For >50 To 100, Deduct	-19.75	
			For >100 To 250, Deduct	-38.03	
			For >250 To 500, Deduct	-73.11	
			For >500, Deduct	-108.19	
26 51 19 00-0079	EA		3,401 Lumens, 25 Watt, 4' Length, 3500K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL4 35K ID800LMF).....	731.12	39.24
			For >50 To 100, Deduct	-19.75	
			For >100 To 250, Deduct	-38.03	
			For >250 To 500, Deduct	-73.11	
			For >500, Deduct	-108.19	
26 51 19 00-0080	EA		3,456 Lumens, 25 Watt, 4' Length, 4000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL4 40K ID800LMF).....	731.12	39.24
			For >50 To 100, Deduct	-19.75	
			For >100 To 250, Deduct	-38.03	
			For >250 To 500, Deduct	-73.11	
			For >500, Deduct	-108.19	
26 51 19 00-0081	EA		4,033 Lumens, 32 Watt, 4' Length, 3000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL4 30K ID1000LMF).....	731.12	39.24
			For >50 To 100, Deduct	-19.75	
			For >100 To 250, Deduct	-38.03	
			For >250 To 500, Deduct	-73.11	
			For >500, Deduct	-108.19	
26 51 19 00-0082	EA		4,153 Lumens, 32 Watt, 4' Length, 3500K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL4 35K ID1000LMF).....	731.12	39.24
			For >50 To 100, Deduct	-19.75	
			For >100 To 250, Deduct	-38.03	
			For >250 To 500, Deduct	-73.11	
			For >500, Deduct	-108.19	
26 51 19 00-0083	EA		4,220 Lumens, 32 Watt, 4' Length, 4000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL4 40K ID1000LMF).....	731.12	39.24
			For >50 To 100, Deduct	-19.75	
			For >100 To 250, Deduct	-38.03	
			For >250 To 500, Deduct	-73.11	
			For >500, Deduct	-108.19	
26 51 19 00-0084	EA		4,843 Lumens, 40 Watt, 4' Length, 3000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL4 30K ID1300LMF).....	731.12	39.24
			For >50 To 100, Deduct	-19.75	
			For >100 To 250, Deduct	-38.03	
			For >250 To 500, Deduct	-73.11	
			For >500, Deduct	-108.19	
26 51 19 00-0085	EA		4,987 Lumens, 40 Watt, 4' Length, 3500K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL4 35K ID1300LMF).....	731.12	39.24
			For >50 To 100, Deduct	-19.75	
			For >100 To 250, Deduct	-38.03	
			For >250 To 500, Deduct	-73.11	
			For >500, Deduct	-108.19	
26 51 19 00-0086	EA		5,067 Lumens, 40 Watt, 4' Length, 4000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL4 40K ID1300LMF).....	731.12	39.24
			For >50 To 100, Deduct	-19.75	
			For >100 To 250, Deduct	-38.03	
			For >250 To 500, Deduct	-73.11	
			For >500, Deduct	-108.19	
26 51 19 00-0087	EA		5,841 Lumens, 51 Watt, 4' Length, 3000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL4 30K ID1500LMF).....	731.12	39.24
			For >50 To 100, Deduct	-19.75	
			For >100 To 250, Deduct	-38.03	
			For >250 To 500, Deduct	-73.11	
			For >500, Deduct	-108.19	
26 51 19 00-0088	EA		6,015 Lumens, 51 Watt, 4' Length, 3500K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL4 35K ID1500LMF).....	731.12	39.24
			For >50 To 100, Deduct	-19.75	
			For >100 To 250, Deduct	-38.03	
			For >250 To 500, Deduct	-73.11	
			For >500, Deduct	-108.19	
26 51 19 00-0089	EA		6,111 Lumens, 51 Watt, 4' Length, 4000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL4 40K ID1500LMF).....	731.12	39.24
			For >50 To 100, Deduct	-19.75	
			For >100 To 250, Deduct	-38.03	
			For >250 To 500, Deduct	-73.11	
			For >500, Deduct	-108.19	
26 51 19 00-0090	EA		6,606 Lumens, 50 Watt, 8' Length, 3000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL8 30K ID800LMF).....	1,091.61	46.43
			For >50 To 100, Deduct	-29.03	
			For >100 To 250, Deduct	-56.32	
			For >250 To 500, Deduct	-109.16	
			For >500, Deduct	-162.00	
26 51 19 00-0091	EA		6,802 Lumens, 50 Watt, 8' Length, 3500K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL8 35K ID800LMF).....	1,091.61	46.43
			For >50 To 100, Deduct	-29.03	
			For >100 To 250, Deduct	-56.32	
			For >250 To 500, Deduct	-109.16	
			For >500, Deduct	-162.00	

26 Electrical**26 50 Lighting****26 51 Interior Lighting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 51 19 00-0092	EA	6,912 Lumens, 50 Watt, 8' Length, 4000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL8 40K ID800LMF).....	1,091.61	46.43
		For >50 To 100, Deduct	-29.03	
		For >100 To 250, Deduct	-56.32	
		For >250 To 500, Deduct	-109.16	
		For >500, Deduct	-162.00	
26 51 19 00-0093	EA	8,066 Lumens, 64 Watt, 8' Length, 3000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL8 30K ID1000LMF).....	1,091.61	46.43
		For >50 To 100, Deduct	-29.03	
		For >100 To 250, Deduct	-56.32	
		For >250 To 500, Deduct	-109.16	
		For >500, Deduct	-162.00	
26 51 19 00-0094	EA	8,303 Lumens, 64 Watt, 8' Length, 3500K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL8 35K ID1000LMF).....	1,091.61	46.43
		For >50 To 100, Deduct	-29.03	
		For >100 To 250, Deduct	-56.32	
		For >250 To 500, Deduct	-109.16	
		For >500, Deduct	-162.00	
26 51 19 00-0095	EA	8,440 Lumens, 64 Watt, 8' Length, 4000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL8 40K ID1000LMF).....	1,091.61	46.43
		For >50 To 100, Deduct	-29.03	
		For >100 To 250, Deduct	-56.32	
		For >250 To 500, Deduct	-109.16	
		For >500, Deduct	-162.00	
26 51 19 00-0096	EA	9,686 Lumens, 80 Watt, 8' Length, 3000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL8 30K ID1300LMF).....	1,091.61	46.43
		For >50 To 100, Deduct	-29.03	
		For >100 To 250, Deduct	-56.32	
		For >250 To 500, Deduct	-109.16	
		For >500, Deduct	-162.00	
26 51 19 00-0097	EA	9,974 Lumens, 80 Watt, 8' Length, 3500K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL8 35K ID1300LMF).....	1,091.61	46.43
		For >50 To 100, Deduct	-29.03	
		For >100 To 250, Deduct	-56.32	
		For >250 To 500, Deduct	-109.16	
		For >500, Deduct	-162.00	
26 51 19 00-0098	EA	10,134 Lumens, 80 Watt, 8' Length, 4000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL8 40K ID1300LMF).....	1,091.61	46.43
		For >50 To 100, Deduct	-29.03	
		For >100 To 250, Deduct	-56.32	
		For >250 To 500, Deduct	-109.16	
		For >500, Deduct	-162.00	
26 51 19 00-0099	EA	11,682 Lumens, 102 Watt, 8' Length, 3000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL8 30K ID1500LMF).....	1,091.61	46.43
		For >50 To 100, Deduct	-29.03	
		For >100 To 250, Deduct	-56.32	
		For >250 To 500, Deduct	-109.16	
		For >500, Deduct	-162.00	
26 51 19 00-0100	EA	12,030 Lumens, 102 Watt, 8' Length, 3500K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL8 35K ID1500LMF).....	1,091.61	46.43
		For >50 To 100, Deduct	-29.03	
		For >100 To 250, Deduct	-56.32	
		For >250 To 500, Deduct	-109.16	
		For >500, Deduct	-162.00	
26 51 19 00-0101	EA	12,222 Lumens, 102 Watt, 8' Length, 4000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL8 40K ID1500LMF).....	1,091.61	46.43
		For >50 To 100, Deduct	-29.03	
		For >100 To 250, Deduct	-56.32	
		For >250 To 500, Deduct	-109.16	
		For >500, Deduct	-162.00	

26 51 19 00-0102 Lay-In/Troffer LED Fixtures (26 51 19 00-0001)

26 51 19 00-0103 Prismatic Lensed, Lay-In/Troffer LED Fixtures (26 51 19 00-0102)

26 51 19 00-0104 Prismatic Lensed, Lay-In/Troffer LED Fixtures (Lithonia) (26 51 19 00-0103)

26 51 19 00-0105	EA	1' x 4', 4,300 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia TL4)	607.88	38.92
		For Drywall Or Plaster Ceilings With Frame Kit, Add	45.14	
		For >50 To 100, Deduct	-16.67	
		For >100 To 250, Deduct	-31.87	
		For >250 To 500, Deduct	-60.79	
		For >500, Deduct	-89.71	
26 51 19 00-0106	EA	2' x 2', 3,300 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia 2TL2)	329.99	42.89
		For Drywall Or Plaster Ceilings, Add	28.95	
		For >50 To 100, Deduct	-9.86	
		For >100 To 250, Deduct	-18.11	
		For >250 To 500, Deduct	-33.00	
		For >500, Deduct	-47.89	
26 51 19 00-0107	EA	2' x 4', 4,600 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia 2TL4)	612.17	49.97
		For Drywall Or Plaster Ceilings With Frame Kit, Add	49.38	
		For >50 To 100, Deduct	-17.18	
		For >100 To 250, Deduct	-32.49	
		For >250 To 500, Deduct	-61.22	
		For >500, Deduct	-89.95	

26 51 19 00-0108 Prismatic Lensed, Lay-In/Troffer LED Fixtures (Lunera) (26 51 19 00-0103)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0109	EA	1' x 4', 3,200 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 14G4)	.....	878.72	38.92
		For >50 To 100, Deduct		-23.44	
		For >100 To 250, Deduct		-45.41	
		For >250 To 500, Deduct		-87.87	
		For >500, Deduct		-130.33	
26 51 19 00-0110	EA	2' x 2', 3,200 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 22G5)	.....	615.70	42.89
		For >50 To 100, Deduct		-17.00	
		For >100 To 250, Deduct		-32.39	
		For >250 To 500, Deduct		-61.57	
		For >500, Deduct		-90.75	
26 51 19 00-0111	EA	2' x 4', 4,175 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 24G4)	.....	803.02	49.97
		For >50 To 100, Deduct		-21.95	
		For >100 To 250, Deduct		-42.03	
		For >250 To 500, Deduct		-80.30	
		For >500, Deduct		-118.58	
26 51 19 00-0112		Prismatic Lensed, Lay-In/Troffer LED Fixtures (PlanLED) (26 51 19 00-0103)			
26 51 19 00-0113	EA	2,591 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED FTB4E)	.....	403.32	42.89
		For >50 To 100, Deduct		-11.69	
		For >100 To 250, Deduct		-21.77	
		For >250 To 500, Deduct		-40.33	
		For >500, Deduct		-58.89	
26 51 19 00-0114	EA	3,883 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED FTB4E)	.....	447.05	42.89
		For >50 To 100, Deduct		-12.78	
		For >100 To 250, Deduct		-23.96	
		For >250 To 500, Deduct		-44.71	
		For >500, Deduct		-65.45	
26 51 19 00-0115	EA	3,700 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-40)	.....	379.26	42.89
		For >50 To 100, Deduct		-11.09	
		For >100 To 250, Deduct		-20.57	
		For >250 To 500, Deduct		-37.93	
		For >500, Deduct		-55.28	
26 51 19 00-0116	EA	4,200 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-45)	.....	379.26	42.89
		For >50 To 100, Deduct		-11.09	
		For >100 To 250, Deduct		-20.57	
		For >250 To 500, Deduct		-37.93	
		For >500, Deduct		-55.28	
26 51 19 00-0117	EA	4,600 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-50)	.....	407.69	42.89
		For >50 To 100, Deduct		-11.80	
		For >100 To 250, Deduct		-21.99	
		For >250 To 500, Deduct		-40.77	
		For >500, Deduct		-59.55	
26 51 19 00-0118		Volumetric, Lay-In/Troffer LED Fixtures (26 51 19 00-0102)			
26 51 19 00-0119		Volumetric, Lay-In/Troffer LED Fixtures (Lithonia) (26 51 19 00-0118)			
26 51 19 00-0120	EA	1' x 4', 3,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia RTL4)	.....	483.99	38.92
		For Drywall Or Plaster Ceilings, Add		26.54	
		For >50 To 100, Deduct		-13.57	
		For >100 To 250, Deduct		-25.67	
		For >250 To 500, Deduct		-48.40	
		For >500, Deduct		-71.12	
26 51 19 00-0121	EA	1' x 4', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia RTL4)	.....	689.27	38.92
		For Drywall Or Plaster Ceilings, Add		26.54	
		For >50 To 100, Deduct		-18.71	
		For >100 To 250, Deduct		-35.94	
		For >250 To 500, Deduct		-68.93	
		For >500, Deduct		-101.92	
26 51 19 00-0122	EA	2' x 2', 2,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2)	.....	534.60	42.89
		For Drywall Or Plaster Ceilings With Frame Kit, Add		42.82	
		For >50 To 100, Deduct		-14.97	
		For >100 To 250, Deduct		-28.34	
		For >250 To 500, Deduct		-53.46	
		For >500, Deduct		-78.58	
26 51 19 00-0123	EA	2' x 2', 3,300 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2)	.....	614.60	42.89
		For Drywall Or Plaster Ceilings With Frame Kit, Add		46.82	
		For >50 To 100, Deduct		-16.97	
		For >100 To 250, Deduct		-32.34	
		For >250 To 500, Deduct		-61.46	
		For >500, Deduct		-90.58	
26 51 19 00-0124	EA	2' x 2', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2)	.....	678.61	42.89
		For >50 To 100, Deduct		-18.57	
		For >100 To 250, Deduct		-35.54	
		For >250 To 500, Deduct		-67.86	
		For >500, Deduct		-100.18	
26 51 19 00-0125	EA	2' x 4', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL4)	.....	689.34	49.97
		For Drywall Or Plaster Ceilings With Frame Kit, Add		53.23	
		For >50 To 100, Deduct		-19.11	
		For >100 To 250, Deduct		-36.34	
		For >250 To 500, Deduct		-68.93	
		For >500, Deduct		-101.52	
26 51 19 00-0126	EA	2' x 4', 4,800 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL4)	.....	753.34	49.97
		For Drywall Or Plaster Ceilings With Frame Kit, Add		56.43	
		For >50 To 100, Deduct		-20.71	
		For >100 To 250, Deduct		-39.54	
		For >250 To 500, Deduct		-75.33	
		For >500, Deduct		-111.12	

26 Electrical**26 50 Lighting****26 51 Interior Lighting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 51 19 00-0127	EA	2' x 4', 6,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL4)	817.35	49.97
		For Drywall Or Plaster Ceilings With Frame Kit, Add	59.64	
		For >50 To 100, Deduct	-22.31	
		For >100 To 250, Deduct	-42.74	
		For >250 To 500, Deduct	-81.74	
		For >500, Deduct	-120.73	
26 51 19 00-0128	EA	2' x 2', 2,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL2)	470.61	42.89
		For Drywall Or Plaster Ceilings With Frame Kit, Add	39.62	
		For >50 To 100, Deduct	-13.37	
		For >100 To 250, Deduct	-25.14	
		For >250 To 500, Deduct	-47.06	
		For >500, Deduct	-68.98	
26 51 19 00-0129	EA	2' x 2', 3,300 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL2)	550.60	42.89
		For Drywall Or Plaster Ceilings With Frame Kit, Add	43.62	
		For >50 To 100, Deduct	-15.37	
		For >100 To 250, Deduct	-29.14	
		For >250 To 500, Deduct	-55.06	
		For >500, Deduct	-80.98	
26 51 19 00-0130	EA	2' x 2', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL2)	598.60	42.89
		For Drywall Or Plaster Ceilings With Frame Kit, Add	46.02	
		For >50 To 100, Deduct	-16.57	
		For >100 To 250, Deduct	-31.54	
		For >250 To 500, Deduct	-59.86	
		For >500, Deduct	-88.18	
26 51 19 00-0131	EA	2' x 4', 3,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL4)	593.34	49.97
		For Drywall Or Plaster Ceilings With Frame Kit, Add	48.43	
		For >50 To 100, Deduct	-16.71	
		For >100 To 250, Deduct	-31.54	
		For >250 To 500, Deduct	-59.33	
		For >500, Deduct	-87.12	
26 51 19 00-0132	EA	2' x 4', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL4)	625.33	49.97
		For Drywall Or Plaster Ceilings With Frame Kit, Add	50.03	
		For >50 To 100, Deduct	-17.51	
		For >100 To 250, Deduct	-33.14	
		For >250 To 500, Deduct	-62.53	
		For >500, Deduct	-91.92	
26 51 19 00-0133	EA	2' x 4', 4,800 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL4)	689.34	49.97
		For Drywall Or Plaster Ceilings With Frame Kit, Add	53.23	
		For >50 To 100, Deduct	-19.11	
		For >100 To 250, Deduct	-36.34	
		For >250 To 500, Deduct	-68.93	
		For >500, Deduct	-101.52	

26 51 19 00-0134 Architectural, Lay-In/Troffer LED Fixtures (26 51 19 00-0102)

26 51 19 00-0135 Architectural, Lay-In/Troffer LED Fixtures (Lithonia) (26 51 19 00-0134)

Note: Includes 4,000K color temperature, 120/277 voltage and steel housing assembly. Excludes sensors.

26 51 19 00-0136	EA	2,100 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4)	372.90	49.97
		For Drywall Or Plaster Ceilings With Frame Kit, Add	37.41	
		For >50 To 100, Deduct	-11.20	
		For >100 To 250, Deduct	-20.52	
		For >250 To 500, Deduct	-37.29	
		For >500, Deduct	-54.06	
26 51 19 00-0137	EA	4,300 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4)	436.24	49.97
		For Drywall Or Plaster Ceilings With Frame Kit, Add	40.58	
		For >50 To 100, Deduct	-12.78	
		For >100 To 250, Deduct	-23.69	
		For >250 To 500, Deduct	-43.62	
		For >500, Deduct	-63.56	
26 51 19 00-0138	EA	6,400 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4)	493.25	49.97
		For Drywall Or Plaster Ceilings With Frame Kit, Add	43.43	
		For >50 To 100, Deduct	-14.21	
		For >100 To 250, Deduct	-26.54	
		For >250 To 500, Deduct	-49.33	
		For >500, Deduct	-72.11	

26 51 19 00-0139 Architectural, Lay-In/Troffer LED Fixtures (CREE® CR Series) (26 51 19 00-0134)

Note: Includes 3,000K, 3,500 or 4,000K color temperature, 120/277 voltage and 20 gauge steel housing assembly. Excludes sensors.

26 51 19 00-0140	EA	1' x 4', 2,200 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™)	493.44	49.97
		For Expanded Size Junction Box For Through Wiring, Add	5.34	
		For Drywall Or Plaster Ceilings, Add	147.55	
		For Surface Mount, Add	270.59	
		For >50 To 100, Deduct	-14.21	
		For >100 To 250, Deduct	-26.55	
		For >250 To 500, Deduct	-49.34	
		For >500, Deduct	-72.14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0141	EA	1' x 4', 3,100 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™)	.....	533.50	49.97
		For Expanded Size Junction Box For Through Wiring, Add		5.34	
		For Drywall Or Plaster Ceilings, Add		147.55	
		For Surface Mount, Add		270.59	
		For >50 To 100, Deduct		-15.21	
		For >100 To 250, Deduct		-28.55	
		For >250 To 500, Deduct		-53.35	
		For >500, Deduct		-78.15	
26 51 19 00-0142	EA	1' x 4', 4,000 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™)	.....	533.50	49.97
		For Expanded Size Junction Box For Through Wiring, Add		5.34	
		For Drywall Or Plaster Ceilings, Add		147.55	
		For Surface Mount, Add		270.59	
		For >50 To 100, Deduct		-15.21	
		For >100 To 250, Deduct		-28.55	
		For >250 To 500, Deduct		-53.35	
		For >500, Deduct		-78.15	
26 51 19 00-0143	EA	1' x 4', 5,000 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™)	.....	592.62	49.97
		For Expanded Size Junction Box For Through Wiring, Add		5.34	
		For Drywall Or Plaster Ceilings, Add		147.55	
		For Surface Mount, Add		270.59	
		For >50 To 100, Deduct		-16.69	
		For >100 To 250, Deduct		-31.51	
		For >250 To 500, Deduct		-59.26	
		For >500, Deduct		-87.02	
26 51 19 00-0144	EA	2' x 2', 2,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR22™)	.....	460.05	42.89
		Note: CCT 30K to 50K			
		For Expanded Size Junction Box For Through Wiring, Add		5.34	
		For Drywall Or Plaster Ceilings, Add		129.19	
		For Surface Mount, Add		255.10	
		For >50 To 100, Deduct		-13.11	
		For >100 To 250, Deduct		-24.61	
		For >250 To 500, Deduct		-46.01	
		For >500, Deduct		-67.40	
26 51 19 00-0145	EA	2' x 2', 3,200 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR22™)	.....	433.12	42.89
		Note: CCT 30K to 50K			
		For Expanded Size Junction Box For Through Wiring, Add		5.34	
		For Drywall Or Plaster Ceilings, Add		129.19	
		For Surface Mount, Add		255.10	
		For >50 To 100, Deduct		-12.44	
		For >100 To 250, Deduct		-23.26	
		For >250 To 500, Deduct		-43.31	
		For >500, Deduct		-63.36	
26 51 19 00-0146	EA	2' x 4', 2,200 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™)	.....	515.66	49.97
		Note: CCT 30K to 50K			
		For Expanded Size Junction Box For Through Wiring, Add		5.34	
		For Drywall Or Plaster Ceilings, Add		151.36	
		For Surface Mount, Add		295.39	
		For >50 To 100, Deduct		-14.77	
		For >100 To 250, Deduct		-27.66	
		For >250 To 500, Deduct		-51.57	
		For >500, Deduct		-75.47	
26 51 19 00-0147	EA	2' x 4', 3,100 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™)	.....	533.50	49.97
		Note: CCT 30K to 50K			
		For Expanded Size Junction Box For Through Wiring, Add		5.34	
		For Drywall Or Plaster Ceilings, Add		151.36	
		For Surface Mount, Add		295.39	
		For >50 To 100, Deduct		-15.21	
		For >100 To 250, Deduct		-28.55	
		For >250 To 500, Deduct		-53.35	
		For >500, Deduct		-78.15	
26 51 19 00-0148	EA	2' x 4', 4,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™)	.....	533.50	49.97
		Note: CCT 30K to 50K			
		For Expanded Size Junction Box For Through Wiring, Add		5.34	
		For Drywall Or Plaster Ceilings, Add		151.36	
		For Surface Mount, Add		295.39	
		For >50 To 100, Deduct		-15.21	
		For >100 To 250, Deduct		-28.55	
		For >250 To 500, Deduct		-53.35	
		For >500, Deduct		-78.15	
26 51 19 00-0149	EA	2' x 4', 4,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24 LHE™)	.....	684.17	49.97
		Note: CCT 30K to 50K			
		For Expanded Size Junction Box For Through Wiring, Add		5.34	
		For Drywall Or Plaster Ceilings, Add		151.36	
		For Surface Mount, Add		295.39	
		For >50 To 100, Deduct		-18.98	
		For >100 To 250, Deduct		-36.09	
		For >250 To 500, Deduct		-68.42	
		For >500, Deduct		-100.75	
26 51 19 00-0150	EA	2' x 4', 5,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™)	.....	592.62	49.97
		Note: CCT 30K to 50K			
		For Expanded Size Junction Box For Through Wiring, Add		5.34	
		For Drywall Or Plaster Ceilings, Add		151.36	
		For Surface Mount, Add		295.39	
		For >50 To 100, Deduct		-16.69	
		For >100 To 250, Deduct		-31.51	
		For >250 To 500, Deduct		-59.26	
		For >500, Deduct		-87.02	

26 51 19 00-0151 Architectural, Lay-In/Troffer LED Fixtures (Metalux®) (26 51 19 00-0134)
Note: Includes 3,000K, 3,500 or 4,000K color temperature, 120/277 voltage and code gauge steel housing assembly. Excludes sensors.

26 Electrical**26 50 Lighting****26 51 Interior Lighting**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 51 19 00-0152	EA 2' x 2', 2,500 Lumens, Architectural, Lay-In/Troffer LED Fixture (Metalux® Accord™ 2AC).....	267.28		42.89
	For >50 To 100, Deduct	-8.29		
	For >100 To 250, Deduct	-14.97		
	For >250 To 500, Deduct	-26.73		
	For >500, Deduct	-38.48		
26 51 19 00-0153	EA 2' x 4', 4,700 Lumens, Architectural, Lay-In/Troffer LED Fixture (Metalux® Accord™ 2AC).....	354.57		49.97
	For >50 To 100, Deduct	-10.74		
	For >100 To 250, Deduct	-19.61		
	For >250 To 500, Deduct	-35.46		
	For >500, Deduct	-51.31		
26 51 19 00-0154	Architectural, Lay-In/Troffer LED Fixtures (Finelite) (26 51 19 00-0134) Note: Includes 3,000K color temperature, 120/277 voltage and 20 gauge steel housing assembly. Excludes sensors.			
26 51 19 00-0155	EA 2' x 2', 4,301 Lumens, Architectural, Lay-In/Troffer LED Fixture (Finelite HPR LED A 2x2)	403.91		42.89
	For >50 To 100, Deduct	-11.71		
	For >100 To 250, Deduct	-21.80		
	For >250 To 500, Deduct	-40.39		
	For >500, Deduct	-58.98		
26 51 19 00-0156	EA 2' x 4', 4,671 Lumens, Architectural, Lay-In/Troffer LED Fixture (Finelite HPR LED A 2x2)	548.82		50.40
	For >50 To 100, Deduct	-15.60		
	For >100 To 250, Deduct	-29.32		
	For >250 To 500, Deduct	-54.88		
	For >500, Deduct	-80.45		
26 51 19 00-0157	Shadow Box Style, Lay-In/Troffer LED Fixtures (26 51 19 00-0102)			
26 51 19 00-0158	Shadow Box Style, Lay-In/Troffer LED Fixtures (Lithonia SBSL) (26 51 19 00-0157)			
26 51 19 00-0159	EA 2' x 2', 3,300 Lumens, Shadow Box Style, Lay-In/Troffer LED Fixture (Lithonia 2SBSL2).....	645.55		42.89
	For Drywall Or Plaster Ceilings, Add	28.95		
	For >50 To 100, Deduct	-17.75		
	For >100 To 250, Deduct	-33.89		
	For >250 To 500, Deduct	-64.56		
	For >500, Deduct	-95.22		
26 51 19 00-0160	EA 2' x 4', 4,600 Lumens, Shadow Box Style, Lay-In/Troffer LED Fixture (Lithonia 2SBSL4).....	882.05		49.97
	For Drywall Or Plaster Ceilings With Frame Kit, Add	62.87		
	For >50 To 100, Deduct	-23.93		
	For >100 To 250, Deduct	-45.98		
	For >250 To 500, Deduct	-88.21		
	For >500, Deduct	-130.43		
26 51 19 00-0161	Panel Type, Lay-In/Troffer LED Fixtures (26 51 19 00-0102)			
26 51 19 00-0162	Panel Type, Lay-In/Troffer LED Fixtures (PlanLED Galaxy) (26 51 19 00-0161)			
26 51 19 00-0163	EA 1' x 4', 3,100 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL140-34)	437.61		49.97
	For >50 To 100, Deduct	-12.82		
	For >100 To 250, Deduct	-23.76		
	For >250 To 500, Deduct	-43.76		
	For >500, Deduct	-63.76		
26 51 19 00-0164	EA 2' x 2', 3,100 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL220-34)	454.96		49.97
	For >50 To 100, Deduct	-13.25		
	For >100 To 250, Deduct	-24.62		
	For >250 To 500, Deduct	-45.50		
	For >500, Deduct	-66.37		
26 51 19 00-0165	EA 2' x 4', 4,000 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL240-40)	570.03		49.97
	For >50 To 100, Deduct	-16.13		
	For >100 To 250, Deduct	-30.38		
	For >250 To 500, Deduct	-57.00		
	For >500, Deduct	-83.63		
26 51 19 00-0166	EA 2' x 4', 5,000 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL240-52)	570.03		49.97
	For >50 To 100, Deduct	-16.13		
	For >100 To 250, Deduct	-30.38		
	For >250 To 500, Deduct	-57.00		
	For >500, Deduct	-83.63		
26 51 19 00-0167	Panel Type, Lay-In/Troffer LED Fixtures (Sylvania) (26 51 19 00-0161)			
26 51 19 00-0168	EA 1' x 4', 3,300 Lumens, 32 Watt, LED Edge Lite Panel (Sylvania PANELF1A/032UNVD840/14G/WH).....	227.64		49.97
	For Surface Mounting Kit (Sylvania SMK1T1A/14A/WH), Add	57.00		
	For >50 To 100, Deduct	-7.57		
	For >100 To 250, Deduct	-13.26		
	For >250 To 500, Deduct	-22.76		
	For >500, Deduct	-32.27		
26 51 19 00-0169	EA 2' x 2', 3,500 Lumens, 32 Watt, LED Edge Lite Panel (Sylvania PANELF1A/032UNVD840/22G/WH).....	235.08		49.97
	For >50 To 100, Deduct	-7.75		
	For >100 To 250, Deduct	-13.63		
	For >250 To 500, Deduct	-23.51		
	For >500, Deduct	-33.39		
26 51 19 00-0170	EA 2' x 4', 3,300 Lumens, 32 Watt, LED Edge Lite Panel (Sylvania PANELF1A/032UNVD840/24G/WH).....	238.48		49.97
	For Surface Mounting Kit (Sylvania SMK1T1A/24A/WH)	71.25		
	For >50 To 100, Deduct	-7.84		
	For >100 To 250, Deduct	-13.80		
	For >250 To 500, Deduct	-23.85		
	For >500, Deduct	-33.90		

				Electrical	26	26
				Lighting	26 50	
				Interior Lighting	26 51	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
26 51 19 00-0171	EA		2' x 4', 3,300 Lumens, 32 Watt, 3500K CCT, LED Edge Lite Panel With Kit (Sylvania PANELF1A/032UNVD835/24G/WH_SMKIT1A/24A/WH).....	559.57		49.97
			For >50 To 100, Deduct	-15.87		
			For >100 To 250, Deduct	-29.86		
			For >250 To 500, Deduct	-55.96		
			For >500, Deduct	-82.06		
26 51 19 00-0172			Panel Type, Lay-In/Troffer LED Fixtures (Lithonia) (26 51 19 00-0161)			
26 51 19 00-0173	EA		2' x 4', 4000/5000/6000 Lumens, 3500K CCT, LED Switchable Flat Panel Troffer (Lithonia Lighting CPANL 2X4 40/50/60LM 35K M2).....	269.20		49.97
			For >50 To 100, Deduct	-8.61		
			For >100 To 250, Deduct	-15.34		
			For >250 To 500, Deduct	-26.92		
			For >500, Deduct	-38.50		
26 51 19 00-0174	EA		2' x 4', 4000/5000/6000 Lumens, 4000K CCT, LED Switchable Flat Panel Troffer (Lithonia Lighting CPANL 2X4 40/50/60LM 40K M2).....	269.20		49.97
			For >50 To 100, Deduct	-8.61		
			For >100 To 250, Deduct	-15.34		
			For >250 To 500, Deduct	-26.92		
			For >500, Deduct	-38.50		
26 51 19 00-0175	EA		2' x 2', 2400/3300/4000/Lumens, 3500K CCT, LED Switchable Flat Panel Troffer (Lithonia Lighting CPANL 2X2 24/33/44LM 35K M4).....	216.17		49.97
			For >50 To 100, Deduct	-7.28		
			For >100 To 250, Deduct	-12.69		
			For >250 To 500, Deduct	-21.62		
			For >500, Deduct	-30.55		
26 51 19 00-0176	EA		2' x 2', 2400/3300/4000/Lumens, 4000K CCT, LED Switchable Flat Panel Troffer (Lithonia Lighting CPANL 2X2 24/33/44LM 40K M4).....	216.17		49.97
			For >50 To 100, Deduct	-7.28		
			For >100 To 250, Deduct	-12.69		
			For >250 To 500, Deduct	-21.62		
			For >500, Deduct	-30.55		
26 51 19 00-0177	EA		1' x 4', 2400/3300/4000/Lumens, 3500K CCT, LED Switchable Flat Panel Troffer (Lithonia Lighting CPANL 1X4 24/33/44LM 35K M4).....	239.41		49.97
			For >50 To 100, Deduct	-7.86		
			For >100 To 250, Deduct	-13.85		
			For >250 To 500, Deduct	-23.94		
			For >500, Deduct	-34.04		
26 51 19 00-0178	EA		1' x 4', 2400/3300/4000/Lumens, 4000K CCT, LED Switchable Flat Panel Troffer (Lithonia Lighting CPANL 1X4 24/33/44LM 40K M4).....	239.41		49.97
			For >50 To 100, Deduct	-7.86		
			For >100 To 250, Deduct	-13.85		
			For >250 To 500, Deduct	-23.94		
			For >500, Deduct	-34.04		
26 51 19 00-0179			Surface Mount LED Fixtures (26 51 19 00-0001)			
26 51 19 00-0180			Surface Mount, Volumetric LED Fixtures (Lithonia STL) (26 51 19 00-0179)			
26 51 19 00-0181	EA		2' Length, 2,200 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL2).....	327.09		32.16
			For >50 To 100, Deduct	-9.38		
			For >100 To 250, Deduct	-17.56		
			For >250 To 500, Deduct	-32.71		
			For >500, Deduct	-47.86		
26 51 19 00-0182	EA		4' Length, 3,000 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL4).....	279.28		39.24
			For >50 To 100, Deduct	-8.46		
			For >100 To 250, Deduct	-15.44		
			For >250 To 500, Deduct	-27.93		
			For >500, Deduct	-40.42		
26 51 19 00-0183	EA		4' Length, 4,000 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL4).....	331.15		39.24
			For >50 To 100, Deduct	-9.75		
			For >100 To 250, Deduct	-18.03		
			For >250 To 500, Deduct	-33.12		
			For >500, Deduct	-48.20		
26 51 19 00-0184			Surface Mount, Wraparound LED Fixtures (Lithonia LBL) (26 51 19 00-0179)			
26 51 19 00-0185	EA		2' Length, 2,000 Lumens, Surface Mount, Wraparound LED Fixture (Lithonia LBL2).....	277.66		32.16
			For >50 To 100, Deduct	-8.15		
			For >100 To 250, Deduct	-15.09		
			For >250 To 500, Deduct	-27.77		
			For >500, Deduct	-40.44		
26 51 19 00-0186	EA		4' Length, 4,000 Lumens, Surface Mount, Wraparound LED Fixture (Lithonia LBL4).....	365.27		39.24
			For >50 To 100, Deduct	-10.61		
			For >100 To 250, Deduct	-19.74		
			For >250 To 500, Deduct	-36.53		
			For >500, Deduct	-53.32		
26 51 19 00-0187			Surface Mount, Shadow Box Style LED Fixtures (26 51 19 00-0179)			
26 51 19 00-0188			Surface Mount, Shadow Box Style LED Fixtures (Lithonia SBSLX) (26 51 19 00-0187)			
26 51 19 00-0189	EA		2' x 2', 3,300 Lumens, Surface Mount, Shadow Box Style LED Fixture (Lithonia 2SBSLX2).....	830.07		42.89
			For >50 To 100, Deduct	-22.36		
			For >100 To 250, Deduct	-43.11		
			For >250 To 500, Deduct	-83.01		
			For >500, Deduct	-122.90		

26 Electrical**26 50 Lighting****26 51 Interior Lighting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 51 19 00-0190	EA	2' x 4', 4,600 Lumens, Surface Mount, Shadow Box Style LED Fixture (Lithonia 2SBSLX4).....	1,066.57	49.97
		<i>For >50 To 100, Deduct</i>	-28.54	
		<i>For >100 To 250, Deduct</i>	-55.21	
		<i>For >250 To 500, Deduct</i>	-106.66	
		<i>For >500, Deduct</i>	-158.11	

26 51 19 00-0191 Surface Mount, Low Profile Fixtures (26 51 19 00-0179)

26 51 19 00-0192	EA	6" Diameter, 993 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting - 8538-90)	105.84	29.40
		<i>For >50 To 100, Deduct</i>	-4.12	
		<i>For >100 To 250, Deduct</i>	-6.76	
		<i>For >250 To 500, Deduct</i>	-10.58	
		<i>For >500, Deduct</i>	-14.41	
26 51 19 00-0193	EA	6" Diameter, 1,215 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting - 8569).....	85.41	29.40
		<i>For >50 To 100, Deduct</i>	-3.60	
		<i>For >100 To 250, Deduct</i>	-5.74	
		<i>For >250 To 500, Deduct</i>	-8.54	
		<i>For >500, Deduct</i>	-11.34	
26 51 19 00-0194	EA	13" Diameter, 1,400 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting - 4329).....	148.73	29.40
		<i>For >50 To 100, Deduct</i>	-5.19	
		<i>For >100 To 250, Deduct</i>	-8.91	
		<i>For >250 To 500, Deduct</i>	-14.87	
		<i>For >500, Deduct</i>	-20.84	
26 51 19 00-0195	EA	15" Diameter, 2,100 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting 4330).....	181.42	29.40
		<i>For >50 To 100, Deduct</i>	-6.01	
		<i>For >100 To 250, Deduct</i>	-10.54	
		<i>For >250 To 500, Deduct</i>	-18.14	
		<i>For >500, Deduct</i>	-25.74	

26 51 19 00-0196 Surface Mount, Wall Bracket Fixtures (Lithonia WL2) (26 51 19 00-0179)

26 51 19 00-0197	EA	2', 771 Lumens, 7.5 Watt, 3000K CCT, Wall Bracket And Surface Mount LED Light Fixture (Lithonia Lighting WL2 08L LP830).....	338.65	35.21
		<i>For >50 To 100, Deduct</i>	-9.79	
		<i>For >100 To 250, Deduct</i>	-18.25	
		<i>For >250 To 500, Deduct</i>	-33.87	
		<i>For >500, Deduct</i>	-49.48	
26 51 19 00-0198	EA	2', 809 Lumens, 7.5 Watt, 3500K CCT, Wall Bracket And Surface Mount LED Light Fixture (Lithonia Lighting WL2 08L LP835).....	334.09	32.16
		<i>For >50 To 100, Deduct</i>	-9.56	
		<i>For >100 To 250, Deduct</i>	-17.91	
		<i>For >250 To 500, Deduct</i>	-33.41	
		<i>For >500, Deduct</i>	-48.91	
26 51 19 00-0199	EA	2', 848 Lumens, 7.5 Watt, 4000K CCT, Wall Bracket And Surface Mount LED Light Fixture (Lithonia Lighting WL2 08L LP840).....	334.09	32.16
		<i>For >50 To 100, Deduct</i>	-9.56	
		<i>For >100 To 250, Deduct</i>	-17.91	
		<i>For >250 To 500, Deduct</i>	-33.41	
		<i>For >500, Deduct</i>	-48.91	
26 51 19 00-0200	EA	2', 877 Lumens, 7.5 Watt, 5000K CCT, Wall Bracket And Surface Mount LED Light Fixture (Lithonia Lighting WL2 08L LP850).....	334.09	32.16
		<i>For >50 To 100, Deduct</i>	-9.56	
		<i>For >100 To 250, Deduct</i>	-17.91	
		<i>For >250 To 500, Deduct</i>	-33.41	
		<i>For >500, Deduct</i>	-48.91	
26 51 19 00-0201	EA	2', 1,190 Lumens, 12.2 Watt, 3000K CCT, Wall Bracket And Surface Mount LED Light Fixture (Lithonia Lighting WL2 12L LP830).....	389.12	32.16
		<i>For >50 To 100, Deduct</i>	-10.93	
		<i>For >100 To 250, Deduct</i>	-20.66	
		<i>For >250 To 500, Deduct</i>	-38.91	
		<i>For >500, Deduct</i>	-57.16	
26 51 19 00-0202	EA	2', 1,249 Lumens, 12.2 Watt, 3500K CCT, Wall Bracket And Surface Mount LED Light Fixture (Lithonia Lighting WL2 12L LP835).....	389.12	32.16
		<i>For >50 To 100, Deduct</i>	-10.93	
		<i>For >100 To 250, Deduct</i>	-20.66	
		<i>For >250 To 500, Deduct</i>	-38.91	
		<i>For >500, Deduct</i>	-57.16	
26 51 19 00-0203	EA	2', 1,311 Lumens, 12.2 Watt, 4000K CCT, Wall Bracket And Surface Mount LED Light Fixture (Lithonia Lighting WL2 12L LP840).....	389.12	32.16
		<i>For >50 To 100, Deduct</i>	-10.93	
		<i>For >100 To 250, Deduct</i>	-20.66	
		<i>For >250 To 500, Deduct</i>	-38.91	
		<i>For >500, Deduct</i>	-57.16	
26 51 19 00-0204	EA	2', 1,364 Lumens, 12.2 Watt, 5000K CCT, Wall Bracket And Surface Mount LED Light Fixture (Lithonia Lighting WL2 12L LP850).....	389.12	32.16
		<i>For >50 To 100, Deduct</i>	-10.93	
		<i>For >100 To 250, Deduct</i>	-20.66	
		<i>For >250 To 500, Deduct</i>	-38.91	
		<i>For >500, Deduct</i>	-57.16	
26 51 19 00-0205	EA	2', 1,711 Lumens, 17.5 Watt, 3000K CCT, Wall Bracket And Surface Mount LED Light Fixture (Lithonia Lighting WL2 18L LP830).....	416.57	32.16
		<i>For >50 To 100, Deduct</i>	-11.62	
		<i>For >100 To 250, Deduct</i>	-22.04	
		<i>For >250 To 500, Deduct</i>	-41.66	
		<i>For >500, Deduct</i>	-61.28	

		Electrical	26	26
		Lighting	26 50	
		Interior Lighting	26 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0206	EA	2'	1,796 Lumens, 17.5 Watt, 3500K CCT, Wall Bracket And Surface Mount LED Light Fixture (Lithonia Lighting WL2 18L LP835).....	416.57	32.16
			For >50 To 100, Deduct	-11.62	
			For >100 To 250, Deduct	-22.04	
			For >250 To 500, Deduct	-41.66	
			For >500, Deduct	-61.28	
26 51 19 00-0207	EA	2'	1,889 Lumens, 17.5 Watt, 4000K CCT, Wall Bracket And Surface Mount LED Light Fixture (Lithonia Lighting WL2 18L LP840).....	416.57	32.16
			For >50 To 100, Deduct	-11.62	
			For >100 To 250, Deduct	-22.04	
			For >250 To 500, Deduct	-41.66	
			For >500, Deduct	-61.28	
26 51 19 00-0208	EA	2'	1,966 Lumens, 17.5 Watt, 5000K CCT, Wall Bracket And Surface Mount LED Light Fixture (Lithonia Lighting WL2 18L LP850).....	416.57	32.16
			For >50 To 100, Deduct	-11.62	
			For >100 To 250, Deduct	-22.04	
			For >250 To 500, Deduct	-41.66	
			For >500, Deduct	-61.28	
26 51 19 00-0209	EA	2'	2,086 Lumens, 21 Watt, 3000K CCT, Wall Bracket And Surface Mount LED Light Fixture (Lithonia Lighting WL2 22L LP830).....	416.57	32.16
			For >50 To 100, Deduct	-11.62	
			For >100 To 250, Deduct	-22.04	
			For >250 To 500, Deduct	-41.66	
			For >500, Deduct	-61.28	
26 51 19 00-0210	EA	2'	2,120.5 Lumens, 21 Watt, 3500K CCT, Wall Bracket And Surface Mount LED Light Fixture (Lithonia Lighting WL2 22L LP835).....	416.57	32.16
			For >50 To 100, Deduct	-11.62	
			For >100 To 250, Deduct	-22.04	
			For >250 To 500, Deduct	-41.66	
			For >500, Deduct	-61.28	
26 51 19 00-0211	EA	2'	2,189.4 Lumens, 21 Watt, 4000K CCT, Wall Bracket And Surface Mount LED Light Fixture (Lithonia Lighting WL2 22L LP840).....	416.57	32.16
			For >50 To 100, Deduct	-11.62	
			For >100 To 250, Deduct	-22.04	
			For >250 To 500, Deduct	-41.66	
			For >500, Deduct	-61.28	
26 51 19 00-0212	EA	2'	2,258.4 Lumens, 21 Watt, 5000K CCT, Wall Bracket And Surface Mount LED Light Fixture (Lithonia Lighting WL2 22L LP850).....	416.57	32.16
			For >50 To 100, Deduct	-11.62	
			For >100 To 250, Deduct	-22.04	
			For >250 To 500, Deduct	-41.66	
			For >500, Deduct	-61.28	
26 51 19 00-0213			Recessed LED Downlights (26 51 19 00-0001)		
26 51 19 00-0214			Recessed LED Downlights (26 51 19 00-0213)		
26 51 19 00-0215			Recessed LED Downlights (Lithonia) (26 51 19 00-0214)		
			Note: Includes housing and trim.		
26 51 19 00-0216	EA	8"	Diameter, 1,200 Lumens, Recessed LED Downlight With Open Trim (Lithonia DOM8 LED).....	372.77	51.65
			For Dimming Driver And Sensor Switch nLight Dimming Relay, Add	77.41	
			For >50 To 100, Deduct	-11.26	
			For >100 To 250, Deduct	-20.58	
			For >250 To 500, Deduct	-37.28	
			For >500, Deduct	-53.98	
26 51 19 00-0217	EA	8"	Diameter, 1,500 Lumens, Recessed LED Downlight With Open Trim (Lithonia DOM8 LED).....	404.44	51.65
			For Dimming Driver And Sensor Switch nLight Dimming Relay, Add	77.41	
			For >50 To 100, Deduct	-12.05	
			For >100 To 250, Deduct	-22.16	
			For >250 To 500, Deduct	-40.44	
			For >500, Deduct	-58.73	
26 51 19 00-0218	EA	6"	Round, 1,000 Lumens, 12.8 Watt, Open And Wall Wash LED Non-IC Downlight (Lithonia Lighting LDN6 35/10 MVOLT EZ10 HSG).....	350.05	51.65
			For >50 To 100, Deduct	-10.69	
			For >100 To 250, Deduct	-19.44	
			For >250 To 500, Deduct	-35.01	
			For >500, Deduct	-50.57	
26 51 19 00-0219	EA	6"	Round, 1,500 Lumens, 20.5 Watt, Open And Wall Wash LED Non-IC Downlight (Lithonia Lighting LDN6 35/15 MVOLT EZ10 HSG).....	359.85	51.65
			For >50 To 100, Deduct	-10.93	
			For >100 To 250, Deduct	-19.93	
			For >250 To 500, Deduct	-35.99	
			For >500, Deduct	-52.04	
26 51 19 00-0220	EA	6"	Round, 2,000 Lumens, 22.6 Watt, Open And Wall Wash LED Non-IC Downlight (Lithonia Lighting LDN6 35/20 MVOLT EZ10 HSG).....	369.66	51.65
			For >50 To 100, Deduct	-11.18	
			For >100 To 250, Deduct	-20.42	
			For >250 To 500, Deduct	-36.97	
			For >500, Deduct	-53.51	
26 51 19 00-0221	EA	6"	Round, 2,500 Lumens, 27.1 Watt, Open And Wall Wash LED Non-IC Downlight (Lithonia Lighting LDN6 35/25 MVOLT EZ10 HSG).....	408.88	51.65
			For >50 To 100, Deduct	-12.16	
			For >100 To 250, Deduct	-22.38	
			For >250 To 500, Deduct	-40.89	
			For >500, Deduct	-59.40	

26 Electrical**26 50 Lighting****26 51 Interior Lighting**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 51 19 00-0222	EA	6" Round, 3,000 Lumens, 34.7 Watt, Open And Wall Wash LED Non-IC Downlight (Lithonia Lighting LDN6 35/25 MVOLT EZ10 HSG).....	428.49	51.65
		For >50 To 100, Deduct	-12.65	
		For >100 To 250, Deduct	-23.36	
		For >250 To 500, Deduct	-42.85	
		For >500, Deduct	-62.34	

26 51 19 00-0223 Recessed LED Downlights (Portfolio®) (26 51 19 00-0214)

Note: Includes housing and trim.

26 51 19 00-0224	EA	4" Diameter, 1,300 Lumens, Recessed LED Downlight With Open Trim (Portfolio® LD413)	238.06	51.65
		For >50 To 100, Deduct	-7.89	
		For >100 To 250, Deduct	-13.84	
		For >250 To 500, Deduct	-23.81	
		For >500, Deduct	-33.77	

26 51 19 00-0225 Recessed LED Downlights (Gotham® EVO®) (26 51 19 00-0214)

Note: Includes housing and trim.

26 51 19 00-0226	EA	6" Diameter, 1,800 Lumens, Recessed LED Downlight With Open Trim (Gotham® EVO® ALED)	296.65	51.65
		For >50 To 100, Deduct	-9.35	
		For >100 To 250, Deduct	-16.77	
		For >250 To 500, Deduct	-29.67	
		For >500, Deduct	-42.56	
26 51 19 00-0227	EA	6" Diameter, 1,800 Lumens, Recessed LED Shower Downlight With Non-Conductive Regressed Lens (Gotham® EVO® ALED).....	305.96	51.65
		For >50 To 100, Deduct	-9.59	
		For >100 To 250, Deduct	-17.23	
		For >250 To 500, Deduct	-30.60	
		For >500, Deduct	-43.96	
26 51 19 00-0228	EA	6" Diameter, 1,800 Lumens, Recessed LED Wallwash Downlight With Specular Reflector Trim (Gotham® EVO® DLWLED)	344.15	51.65
		For >50 To 100, Deduct	-10.54	
		For >100 To 250, Deduct	-19.14	
		For >250 To 500, Deduct	-34.42	
		For >500, Deduct	-49.69	
26 51 19 00-0229	EA	6" Diameter, 1,800 Lumens, Decorative Recessed LED Downlight With Glass Drop Luminous Ring (Gotham® EVO® ALED).....	347.88	51.65
		For >50 To 100, Deduct	-10.63	
		For >100 To 250, Deduct	-19.33	
		For >250 To 500, Deduct	-34.79	
		For >500, Deduct	-50.25	
26 51 19 00-0230	EA	6" Diameter, 1,800 Lumens, Vandal Resistant, Recessed LED Downlight With Tempered Prismatic Lens (Gotham® EVO® VRALED)	380.47	51.65
		For >50 To 100, Deduct	-11.45	
		For >100 To 250, Deduct	-20.96	
		For >250 To 500, Deduct	-38.05	
		For >500, Deduct	-55.13	

26 51 19 00-0231 Recessed LED Downlights (Lightolier) (26 51 19 00-0214)

Note: Includes housing and trim.

26 51 19 00-0232	EA	4" Diameter, 500 Lumens, Recessed LED Downlight With Open Trim (Lightolier C4L05DL).....	618.05	51.65
		For >50 To 100, Deduct	-17.39	
		For >100 To 250, Deduct	-32.84	
		For >250 To 500, Deduct	-61.81	
		For >500, Deduct	-90.77	
26 51 19 00-0233	EA	4" Diameter, 1,000 Lumens, Recessed LED Downlight With Open Trim (Lightolier C4L10DL).....	726.44	51.65
		For >50 To 100, Deduct	-20.10	
		For >100 To 250, Deduct	-38.26	
		For >250 To 500, Deduct	-72.64	
		For >500, Deduct	-107.03	
26 51 19 00-0234	EA	6" Diameter, 1,500 Lumens, Recessed LED Downlight With Open Trim (Lightolier C6L1520DL).....	780.52	51.65
		For >50 To 100, Deduct	-21.45	
		For >100 To 250, Deduct	-40.96	
		For >250 To 500, Deduct	-78.05	
		For >500, Deduct	-115.14	
26 51 19 00-0235	EA	6" Diameter, 2,000 Lumens, Recessed LED Downlight With Open Trim (Lightolier C6L1520DL).....	780.52	51.65
		For >50 To 100, Deduct	-21.45	
		For >100 To 250, Deduct	-40.96	
		For >250 To 500, Deduct	-78.05	
		For >500, Deduct	-115.14	
26 51 19 00-0236	EA	7" Diameter, 1,500 Lumens, Recessed LED Downlight With Open Trim (Lightolier C7L1520DL).....	807.68	51.65
		For >50 To 100, Deduct	-22.13	
		For >100 To 250, Deduct	-42.32	
		For >250 To 500, Deduct	-80.77	
		For >500, Deduct	-119.22	
26 51 19 00-0237	EA	7" Diameter, 2,000 Lumens, Recessed LED Downlight With Open Trim (Lightolier C7L1520DL).....	834.86	51.65
		For >50 To 100, Deduct	-22.81	
		For >100 To 250, Deduct	-43.68	
		For >250 To 500, Deduct	-83.49	
		For >500, Deduct	-123.29	

26 51 19 00-0238 Recessed LED Downlights (Cooper) (26 51 19 00-0214)

26 51 19 00-0239	EA	600 Lumens, 2700K CCT, LED Downlight (Cooper Halo ML5606827)	154.88	51.65
		For >50 To 100, Deduct	-5.81	
		For >100 To 250, Deduct	-9.68	
		For >250 To 500, Deduct	-15.49	
		For >500, Deduct	-21.30	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0240	EA		600 Lumens, 3000K CCT, LED Downlight (Cooper Halo ML5606830)	154.88	51.65
			For >50 To 100, Deduct	-5.81	
			For >100 To 250, Deduct	-9.68	
			For >250 To 500, Deduct	-15.49	
			For >500, Deduct	-21.30	
26 51 19 00-0241	EA		600 Lumens, 3500K CCT, LED Downlight (Cooper Halo ML5606835)	154.88	51.65
			For >50 To 100, Deduct	-5.81	
			For >100 To 250, Deduct	-9.68	
			For >250 To 500, Deduct	-15.49	
			For >500, Deduct	-21.30	
26 51 19 00-0242	EA		600 Lumens, 4000K CCT, LED Downlight (Cooper Halo ML5606840)	154.88	51.65
			For >50 To 100, Deduct	-5.81	
			For >100 To 250, Deduct	-9.68	
			For >250 To 500, Deduct	-15.49	
			For >500, Deduct	-21.30	
26 51 19 00-0243	EA		900 Lumens, 2700K CCT, LED Downlight (Cooper Halo ML5609827)	157.76	51.65
			For >50 To 100, Deduct	-5.88	
			For >100 To 250, Deduct	-9.82	
			For >250 To 500, Deduct	-15.78	
			For >500, Deduct	-21.73	
26 51 19 00-0244	EA		900 Lumens, 3000K CCT, LED Downlight (Cooper Halo ML5609830)	157.76	51.65
			For >50 To 100, Deduct	-5.88	
			For >100 To 250, Deduct	-9.82	
			For >250 To 500, Deduct	-15.78	
			For >500, Deduct	-21.73	
26 51 19 00-0245	EA		900 Lumens, 3500K CCT, LED Downlight (Cooper Halo ML5609835)	157.76	51.65
			For >50 To 100, Deduct	-5.88	
			For >100 To 250, Deduct	-9.82	
			For >250 To 500, Deduct	-15.78	
			For >500, Deduct	-21.73	
26 51 19 00-0246	EA		900 Lumens, 4000K CCT, LED Downlight (Cooper Halo ML5609840)	157.76	51.65
			For >50 To 100, Deduct	-5.88	
			For >100 To 250, Deduct	-9.82	
			For >250 To 500, Deduct	-15.78	
			For >500, Deduct	-21.73	
26 51 19 00-0247	EA		1,200 Lumens, 2700K CCT, LED Downlight (Cooper Halo ML5612827)	196.86	51.65
			For >50 To 100, Deduct	-6.86	
			For >100 To 250, Deduct	-11.78	
			For >250 To 500, Deduct	-19.69	
			For >500, Deduct	-27.59	
26 51 19 00-0248	EA		1,200 Lumens, 3000K CCT, LED Downlight (Cooper Halo ML5612830)	194.87	51.65
			For >50 To 100, Deduct	-6.81	
			For >100 To 250, Deduct	-11.68	
			For >250 To 500, Deduct	-19.49	
			For >500, Deduct	-27.29	
26 51 19 00-0249	EA		1,200 Lumens, 3500K CCT, LED Downlight (Cooper Halo ML5612835)	194.87	51.65
			For >50 To 100, Deduct	-6.81	
			For >100 To 250, Deduct	-11.68	
			For >250 To 500, Deduct	-19.49	
			For >500, Deduct	-27.29	
26 51 19 00-0250	EA		1,200 Lumens, 4000K CCT, LED Downlight (Cooper Halo ML5612840)	194.87	51.65
			For >50 To 100, Deduct	-6.81	
			For >100 To 250, Deduct	-11.68	
			For >250 To 500, Deduct	-19.49	
			For >500, Deduct	-27.29	
26 51 19 00-0251	EA		5" LED Trim, Polymer Dead-Front, Shallow White Baffle And Flange (Cooper Halo 591WB)	94.21	16.43
			For >50 To 100, Deduct	-2.97	
			For >100 To 250, Deduct	-5.33	
			For >250 To 500, Deduct	-9.42	
			For >500, Deduct	-13.52	
26 51 19 00-0252	EA		5" LED Trim, Specular Reflector And White Flange (Cooper Halo 592SC)	58.43	16.43
			For >50 To 100, Deduct	-2.08	
			For >100 To 250, Deduct	-3.54	
			For >250 To 500, Deduct	-5.84	
			For >500, Deduct	-8.15	
26 51 19 00-0253	EA		5" LED Trim, Haze Reflector And White Flange (Cooper Halo 592H)	73.83	16.43
			For >50 To 100, Deduct	-2.46	
			For >100 To 250, Deduct	-4.31	
			For >250 To 500, Deduct	-7.38	
			For >500, Deduct	-10.46	
26 51 19 00-0254	EA		5" LED Trim, White Reflector And Flange (Cooper Halo 592W)	61.53	16.43
			For >50 To 100, Deduct	-2.15	
			For >100 To 250, Deduct	-3.69	
			For >250 To 500, Deduct	-6.15	
			For >500, Deduct	-8.61	
26 51 19 00-0255	EA		5" LED Trim, White Micro-Step Baffle And Flange (Cooper Halo 593WB)	48.94	16.43
			For >50 To 100, Deduct	-1.84	
			For >100 To 250, Deduct	-3.06	
			For >250 To 500, Deduct	-4.89	
			For >500, Deduct	-6.72	
26 51 19 00-0256	EA		5" LED Trim, Black Micro-Step Baffle And White Flange (Cooper Halo 593BB)	60.98	16.43
			For >50 To 100, Deduct	-2.14	
			For >100 To 250, Deduct	-3.67	
			For >250 To 500, Deduct	-6.10	
			For >500, Deduct	-8.53	
26 51 19 00-0257	EA		5" LED Trim, Satin Nickel Micro-Step Baffle And Flange (Cooper Halo 593SNB)	68.30	16.43
			For >50 To 100, Deduct	-2.32	
			For >100 To 250, Deduct	-4.03	
			For >250 To 500, Deduct	-6.83	
			For >500, Deduct	-9.63	

26 Electrical**26 50 Lighting****26 51 Interior Lighting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 51 19 00-0258	EA	5" LED Trim, Tuscan Bronze Micro-Step Baffle And Flange (Cooper Halo 593TBZB)	74.83	16.43
		For >50 To 100, Deduct	-2.49	
		For >100 To 250, Deduct	-4.36	
		For >250 To 500, Deduct	-7.48	
		For >500, Deduct	-10.61	
26 51 19 00-0259	EA	5" LED Directional Trim, White eyeball, Baffle And Flange (Cooper Halo 594WB)	87.57	16.43
		For >50 To 100, Deduct	-2.81	
		For >100 To 250, Deduct	-4.99	
		For >250 To 500, Deduct	-8.76	
		For >500, Deduct	-12.52	
26 51 19 00-0260	EA	5" LED Directional Trim, Satin Nickel eyeball, Baffle And Flange (Cooper Halo 594SNB)	87.98	16.43
		For >50 To 100, Deduct	-2.82	
		For >100 To 250, Deduct	-5.02	
		For >250 To 500, Deduct	-8.80	
		For >500, Deduct	-12.58	
26 51 19 00-0261	EA	5" LED Directional Trim, Tuscan Bronze eyeball, Baffle And Flange (Cooper Halo 594TBZB)	86.15	16.43
		For >50 To 100, Deduct	-2.77	
		For >100 To 250, Deduct	-4.92	
		For >250 To 500, Deduct	-8.62	
		For >500, Deduct	-12.31	
26 51 19 00-0262	EA	5" LED Trim, Wall Wash - Specular reflector, repositionable Specular kick reflector, White Flange (Cooper Halo 595WW)	107.07	16.43
		For >50 To 100, Deduct	-3.29	
		For >100 To 250, Deduct	-5.97	
		For >250 To 500, Deduct	-10.71	
		For >500, Deduct	-15.44	
26 51 19 00-0263	EA	5" LED Trim, White Shallow Baffle And Flange (Cooper Halo 596WB)	49.39	16.43
		For >50 To 100, Deduct	-1.85	
		For >100 To 250, Deduct	-3.09	
		For >250 To 500, Deduct	-4.94	
		For >500, Deduct	-6.79	
26 51 19 00-0264	EA	6" LED Trim, Polymer Dead-Front, White Shallow Baffle And Flange (Cooper Halo 691WB)	91.15	16.43
		For >50 To 100, Deduct	-2.90	
		For >100 To 250, Deduct	-5.17	
		For >250 To 500, Deduct	-9.12	
		For >500, Deduct	-13.06	
26 51 19 00-0265	EA	6" LED Trim, Specular Reflector And White Flange (Cooper Halo 692SC)	77.07	16.43
		For >50 To 100, Deduct	-2.54	
		For >100 To 250, Deduct	-4.47	
		For >250 To 500, Deduct	-7.71	
		For >500, Deduct	-10.94	
26 51 19 00-0266	EA	6" LED Trim, Haze Reflector And White Flange (Cooper Halo 692H)	72.13	16.43
		For >50 To 100, Deduct	-2.42	
		For >100 To 250, Deduct	-4.22	
		For >250 To 500, Deduct	-7.21	
		For >500, Deduct	-10.20	
26 51 19 00-0267	EA	6" LED Trim, White Reflector And Flange (Cooper Halo 692W)	63.98	16.43
		For >50 To 100, Deduct	-2.22	
		For >100 To 250, Deduct	-3.82	
		For >250 To 500, Deduct	-6.40	
		For >500, Deduct	-8.98	
26 51 19 00-0268	EA	6" LED Trim, White Micro-Step Baffle And Flange (Cooper Halo 693WB)	64.57	16.43
		For >50 To 100, Deduct	-2.23	
		For >100 To 250, Deduct	-3.84	
		For >250 To 500, Deduct	-6.46	
		For >500, Deduct	-9.07	
26 51 19 00-0269	EA	6" LED Trim, Black Micro-Step Baffle And White Flange (Cooper Halo 693BB)	69.80	16.43
		For >50 To 100, Deduct	-2.36	
		For >100 To 250, Deduct	-4.11	
		For >250 To 500, Deduct	-6.98	
		For >500, Deduct	-9.85	
26 51 19 00-0270	EA	6" LED Trim, Satin Nickel Micro-Step Baffle And Flange (Cooper Halo 693SNB)	63.66	16.43
		For >50 To 100, Deduct	-2.21	
		For >100 To 250, Deduct	-3.80	
		For >250 To 500, Deduct	-6.37	
		For >500, Deduct	-8.93	
26 51 19 00-0271	EA	6" LED Trim, Tuscan Bronze Micro-Step Baffle And Flange (Cooper Halo 693TBZB)	80.33	16.43
		For >50 To 100, Deduct	-2.62	
		For >100 To 250, Deduct	-4.63	
		For >250 To 500, Deduct	-8.03	
		For >500, Deduct	-11.43	
26 51 19 00-0272	EA	6" LED Directional Trim, White eyeball, Baffle And Flange (Cooper Halo 694WB)	87.36	16.43
		For >50 To 100, Deduct	-2.80	
		For >100 To 250, Deduct	-4.98	
		For >250 To 500, Deduct	-8.74	
		For >500, Deduct	-12.49	
26 51 19 00-0273	EA	6" LED Directional Trim, Satin Nickel eyeball, Baffle And Flange (Cooper Halo 694SNB)	110.73	16.43
		For >50 To 100, Deduct	-3.38	
		For >100 To 250, Deduct	-6.15	
		For >250 To 500, Deduct	-11.07	
		For >500, Deduct	-15.99	
26 51 19 00-0274	EA	6" LED Directional Trim, Tuscan Bronze eyeball, Baffle And Flange (Cooper Halo 694TBZB)	107.80	16.43
		For >50 To 100, Deduct	-3.31	
		For >100 To 250, Deduct	-6.01	
		For >250 To 500, Deduct	-10.78	
		For >500, Deduct	-15.55	

		Electrical	26
		Lighting	26 50
		Interior Lighting	26 51

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0275	EA		6" LED Trim, Wall Wash - Specular reflector, repositionable Specular kick reflector, White Flange (Cooper Halo 695WW)	109.09	16.43
			For >50 To 100, Deduct	-3.34	
			For >100 To 250, Deduct	-6.07	
			For >250 To 500, Deduct	-10.91	
			For >500, Deduct	-15.75	
26 51 19 00-0276	EA		6" LED Trim, White Shallow Baffle And Flange (Cooper Halo 696WB)	65.28	16.43
			For >50 To 100, Deduct	-2.25	
			For >100 To 250, Deduct	-3.88	
			For >250 To 500, Deduct	-6.53	
			For >500, Deduct	-9.18	
26 51 19 00-0277	EA		6" LED, Insulated Ceiling, Air-Tite, New Construction Housing (Cooper Halo H750ICAT)	59.10	35.21
			For >50 To 100, Deduct	-2.80	
			For >100 To 250, Deduct	-4.28	
			For >250 To 500, Deduct	-5.91	
			For >500, Deduct	-7.54	
26 51 19 00-0278	EA		6" LED, Insulated Ceiling, Air-Tite, Remodel Housing (Cooper Halo H750RICAT)	64.83	35.21
			For >50 To 100, Deduct	-2.94	
			For >100 To 250, Deduct	-4.56	
			For >250 To 500, Deduct	-6.48	
			For >500, Deduct	-8.40	
26 51 19 00-0279	EA		6" LED, Non-IC, Air-Tite, New Construction Housing (Cooper Halo H750T)	62.54	35.21
			For >50 To 100, Deduct	-2.88	
			For >100 To 250, Deduct	-4.45	
			For >250 To 500, Deduct	-6.25	
			For >500, Deduct	-8.06	
26 51 19 00-0280	EA		6" LED, Non-IC, New Construction/Remodel Chicago Plenum Housing (Cooper Halo H750TCP)	85.09	35.21
			For >50 To 100, Deduct	-3.45	
			For >100 To 250, Deduct	-5.58	
			For >250 To 500, Deduct	-8.51	
			For >500, Deduct	-11.44	
26 51 19 00-0281	EA		6" LED, Shallow, Insulated Ceiling, Air-Tite, New Constr. (Cooper Halo H2750ICAT)	82.44	35.21
			For >50 To 100, Deduct	-3.38	
			For >100 To 250, Deduct	-5.44	
			For >250 To 500, Deduct	-8.24	
			For >500, Deduct	-11.05	
26 51 19 00-0282	EA		6" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo H7ICAT)	65.61	35.21
			For >50 To 100, Deduct	-2.96	
			For >100 To 250, Deduct	-4.60	
			For >250 To 500, Deduct	-6.56	
			For >500, Deduct	-8.52	
26 51 19 00-0283	EA		6" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo H7RICAT)	69.46	35.21
			For >50 To 100, Deduct	-3.06	
			For >100 To 250, Deduct	-4.79	
			For >250 To 500, Deduct	-6.95	
			For >500, Deduct	-9.10	
26 51 19 00-0284	EA		6" Insulated Ceiling, New Construction Housing (Cooper Halo H7ICT)	64.80	35.21
			For >50 To 100, Deduct	-2.94	
			For >100 To 250, Deduct	-4.56	
			For >250 To 500, Deduct	-6.48	
			For >500, Deduct	-8.40	
26 51 19 00-0285	EA		6" Insulated Ceiling, Remodel Housing (Cooper Halo H7RICT)	69.02	35.21
			For >50 To 100, Deduct	-3.05	
			For >100 To 250, Deduct	-4.77	
			For >250 To 500, Deduct	-6.90	
			For >500, Deduct	-9.03	
26 51 19 00-0286	EA		6" Insulated Ceiling, Air-Tite New Construction Housing, No Socket Bracket (Cooper Halo H7ICATNB)	65.50	35.21
			For >50 To 100, Deduct	-2.96	
			For >100 To 250, Deduct	-4.60	
			For >250 To 500, Deduct	-6.55	
			For >500, Deduct	-8.50	
26 51 19 00-0287	EA		6" Insulated Ceiling, New Construction Housing, No Socket Bracket (Cooper Halo H7ICTNB)	65.11	35.21
			For >50 To 100, Deduct	-2.95	
			For >100 To 250, Deduct	-4.58	
			For >250 To 500, Deduct	-6.51	
			For >500, Deduct	-8.45	
26 51 19 00-0288	EA		6" Non-IC, New Construction Housing (Cooper Halo H7T)	68.15	35.21
			For >50 To 100, Deduct	-3.02	
			For >100 To 250, Deduct	-4.73	
			For >250 To 500, Deduct	-6.82	
			For >500, Deduct	-8.90	
26 51 19 00-0289	EA		6" Non-IC, Remodel Housing (Cooper Halo H7RT)	69.81	35.21
			For >50 To 100, Deduct	-3.07	
			For >100 To 250, Deduct	-4.81	
			For >250 To 500, Deduct	-6.98	
			For >500, Deduct	-9.15	
26 51 19 00-0290	EA		6" Non-IC, New Construction Housing, No Socket Bracket (Cooper Halo H7TNB)	70.33	35.21
			For >50 To 100, Deduct	-3.08	
			For >100 To 250, Deduct	-4.84	
			For >250 To 500, Deduct	-7.03	
			For >500, Deduct	-9.23	
26 51 19 00-0291	EA		6" Non-IC, Chicago Plenum, New Construction/Remodel Housing (Cooper Halo H7TCP)	95.88	35.21
			For >50 To 100, Deduct	-3.72	
			For >100 To 250, Deduct	-6.11	
			For >250 To 500, Deduct	-9.59	
			For >500, Deduct	-13.06	
26 51 19 00-0292	EA		6" Insulated Ceiling, Universal New Construction Housing (Cooper Halo H7UICAT)	89.47	35.21
			For >50 To 100, Deduct	-3.56	
			For >100 To 250, Deduct	-5.79	
			For >250 To 500, Deduct	-8.95	
			For >500, Deduct	-12.10	

26 Electrical**26 50 Lighting****26 51 Interior Lighting**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

26 51 19 00-0293	EA	6" Insulated Ceiling, Universal, Air-Tite, New Construction Housing (Cooper Halo H7UICAT).....	90.21	35.21
		For >50 To 100, Deduct	-3.58	
		For >100 To 250, Deduct	-5.83	
		For >250 To 500, Deduct	-9.02	
		For >500, Deduct	-12.21	
26 51 19 00-0294	EA	6" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo EI700AT).....	94.50	35.21
		For >50 To 100, Deduct	-3.68	
		For >100 To 250, Deduct	-6.05	
		For >250 To 500, Deduct	-9.45	
		For >500, Deduct	-12.85	
26 51 19 00-0295	EA	6" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo EI700RAT)	94.50	35.21
		For >50 To 100, Deduct	-3.68	
		For >100 To 250, Deduct	-6.05	
		For >250 To 500, Deduct	-9.45	
		For >500, Deduct	-12.85	
26 51 19 00-0296	EA	6" Insulated Ceiling, New Construction Housing (Cooper Halo EI700).....	94.50	35.21
		For >50 To 100, Deduct	-3.68	
		For >100 To 250, Deduct	-6.05	
		For >250 To 500, Deduct	-9.45	
		For >500, Deduct	-12.85	
26 51 19 00-0297	EA	6" Insulated Ceiling, Remodel Housing (Cooper Halo EI700R)	94.50	35.21
		For >50 To 100, Deduct	-3.68	
		For >100 To 250, Deduct	-6.05	
		For >250 To 500, Deduct	-9.45	
		For >500, Deduct	-12.85	
26 51 19 00-0298	EA	6" Insulated Ceiling, Air-Tite New Construction Housing, No Socket Bracket (Cooper Halo EI700ATNB)	94.50	35.21
		For >50 To 100, Deduct	-3.68	
		For >100 To 250, Deduct	-6.05	
		For >250 To 500, Deduct	-9.45	
		For >500, Deduct	-12.85	
26 51 19 00-0299	EA	6" Insulated Ceiling, New Construction Housing, No Socket Bracket (Cooper Halo EI700NB)	83.28	35.21
		For >50 To 100, Deduct	-3.40	
		For >100 To 250, Deduct	-5.48	
		For >250 To 500, Deduct	-8.33	
		For >500, Deduct	-11.17	
26 51 19 00-0300	EA	6" Insulated Ceiling, Universal New Construction Housing (Cooper Halo EI700U).....	83.28	35.21
		For >50 To 100, Deduct	-3.40	
		For >100 To 250, Deduct	-5.48	
		For >250 To 500, Deduct	-8.33	
		For >500, Deduct	-11.17	
26 51 19 00-0301	EA	6" Insulated Ceiling, Universal, Air-Tite, New Construction Housing (Cooper Halo EI700UAT).....	83.28	35.21
		For >50 To 100, Deduct	-3.40	
		For >100 To 250, Deduct	-5.48	
		For >250 To 500, Deduct	-8.33	
		For >500, Deduct	-11.17	
26 51 19 00-0302	EA	6" Non-IC, New Construction Housing (Cooper Halo ET700).....	83.28	35.21
		For >50 To 100, Deduct	-3.40	
		For >100 To 250, Deduct	-5.48	
		For >250 To 500, Deduct	-8.33	
		For >500, Deduct	-11.17	
26 51 19 00-0303	EA	6" Non-IC, Remodel Housing (Cooper Halo ET700R)	83.28	35.21
		For >50 To 100, Deduct	-3.40	
		For >100 To 250, Deduct	-5.48	
		For >250 To 500, Deduct	-8.33	
		For >500, Deduct	-11.17	
26 51 19 00-0304	EA	6" Shallow, Insulated Ceiling, Air-Tite New Construction (Cooper Halo H27ICAT).....	84.10	35.21
		For >50 To 100, Deduct	-3.42	
		For >100 To 250, Deduct	-5.53	
		For >250 To 500, Deduct	-8.41	
		For >500, Deduct	-11.29	
26 51 19 00-0305	EA	6" Shallow, Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo H27RICAT).....	96.70	35.21
		For >50 To 100, Deduct	-3.74	
		For >100 To 250, Deduct	-6.16	
		For >250 To 500, Deduct	-9.67	
		For >500, Deduct	-13.18	
26 51 19 00-0306	EA	6" Shallow, Insulated Ceiling, New Construction Housing (Cooper Halo H27ICT).....	84.10	35.21
		For >50 To 100, Deduct	-3.42	
		For >100 To 250, Deduct	-5.53	
		For >250 To 500, Deduct	-8.41	
		For >500, Deduct	-11.29	
26 51 19 00-0307	EA	6" Shallow, Insulated Ceiling, Remodel Housing (Cooper Halo H27RICT).....	93.14	35.21
		For >50 To 100, Deduct	-3.65	
		For >100 To 250, Deduct	-5.98	
		For >250 To 500, Deduct	-9.31	
		For >500, Deduct	-12.65	
26 51 19 00-0308	EA	6" Shallow, Non-IC, New Construction Housing (Cooper Halo H27T)	79.00	35.21
		For >50 To 100, Deduct	-3.30	
		For >100 To 250, Deduct	-5.27	
		For >250 To 500, Deduct	-7.90	
		For >500, Deduct	-10.53	
26 51 19 00-0309	EA	6" Shallow, Non-IC, Remodel Housing (Cooper Halo H27RT).....	80.24	35.21
		For >50 To 100, Deduct	-3.33	
		For >100 To 250, Deduct	-5.33	
		For >250 To 500, Deduct	-8.02	
		For >500, Deduct	-10.72	
26 51 19 00-0310	EA	6" Shallow, Insulated Ceiling, Air-Tite New Construction (Cooper Halo EI2700AT).....	89.04	35.21
		For >50 To 100, Deduct	-3.55	
		For >100 To 250, Deduct	-5.77	
		For >250 To 500, Deduct	-8.90	
		For >500, Deduct	-12.04	

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 51 19 00-0311	EA	6" Shallow, Insulated Ceiling, New Construction Housing (Cooper Halo EI2700)	89.04	35.21
		For >50 To 100, Deduct	-3.55	
		For >100 To 250, Deduct	-5.77	
		For >250 To 500, Deduct	-8.90	
		For >500, Deduct	-12.04	
26 51 19 00-0312	EA	6" Shallow, Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo EI2700R)	89.04	35.21
		For >50 To 100, Deduct	-3.55	
		For >100 To 250, Deduct	-5.77	
		For >250 To 500, Deduct	-8.90	
		For >500, Deduct	-12.04	
26 51 19 00-0313	EA	6" Shallow, Non-IC, New Construction Housing (Cooper Halo ET2700)	89.04	35.21
		For >50 To 100, Deduct	-3.55	
		For >100 To 250, Deduct	-5.77	
		For >250 To 500, Deduct	-8.90	
		For >500, Deduct	-12.04	
26 51 19 00-0314	EA	6" Shallow, Non-IC, Remodel Housing (Cooper Halo ET2700R)	89.04	35.21
		For >50 To 100, Deduct	-3.55	
		For >100 To 250, Deduct	-5.77	
		For >250 To 500, Deduct	-8.90	
		For >500, Deduct	-12.04	
26 51 19 00-0315	EA	6" Retrofit Enclosure, Non-IC, BX Whip (Cooper Halo ML7BXRFK)	74.57	16.43
		For >50 To 100, Deduct	-2.48	
		For >100 To 250, Deduct	-4.34	
		For >250 To 500, Deduct	-7.46	
		For >500, Deduct	-10.57	
26 51 19 00-0316	EA	6" Retrofit Enclosure, Non-IC, E26 Screw base Interface (Cooper Halo ML7E26RFK)	77.13	16.43
		For >50 To 100, Deduct	-2.54	
		For >100 To 250, Deduct	-4.47	
		For >250 To 500, Deduct	-7.71	
		For >500, Deduct	-10.95	
26 51 19 00-0317	EA	5" LED, Insulated Ceiling, Air-Tite, New Construction Housing (Cooper Halo H550ICAT)	73.43	35.21
		For >50 To 100, Deduct	-3.16	
		For >100 To 250, Deduct	-4.99	
		For >250 To 500, Deduct	-7.34	
		For >500, Deduct	-9.69	
26 51 19 00-0318	EA	5" LED, Insulated Ceiling, Air-Tite, Remodel Housing (Cooper Halo H550RICAT)	73.74	35.21
		For >50 To 100, Deduct	-3.16	
		For >100 To 250, Deduct	-5.01	
		For >250 To 500, Deduct	-7.37	
		For >500, Deduct	-9.74	
26 51 19 00-0319	EA	5" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo H5ICAT)	68.42	35.21
		For >50 To 100, Deduct	-3.03	
		For >100 To 250, Deduct	-4.74	
		For >250 To 500, Deduct	-6.84	
		For >500, Deduct	-8.94	
26 51 19 00-0320	EA	5" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo H5RICAT)	71.03	35.21
		For >50 To 100, Deduct	-3.10	
		For >100 To 250, Deduct	-4.87	
		For >250 To 500, Deduct	-7.10	
		For >500, Deduct	-9.33	
26 51 19 00-0321	EA	5" Non-IC, New Construction Housing (Cooper Halo H5T)	70.18	35.21
		For >50 To 100, Deduct	-3.08	
		For >100 To 250, Deduct	-4.83	
		For >250 To 500, Deduct	-7.02	
		For >500, Deduct	-9.21	
26 51 19 00-0322	EA	5" Non-IC, Remodel Housing (Cooper Halo H5RT)	70.97	35.21
		For >50 To 100, Deduct	-3.09	
		For >100 To 250, Deduct	-4.87	
		For >250 To 500, Deduct	-7.10	
		For >500, Deduct	-9.33	
26 51 19 00-0323	EA	5" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo EI500AT)	82.17	35.21
		For >50 To 100, Deduct	-3.37	
		For >100 To 250, Deduct	-5.43	
		For >250 To 500, Deduct	-8.22	
		For >500, Deduct	-11.01	
26 51 19 00-0324	EA	5" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo EI500RAT)	82.77	35.21
		For >50 To 100, Deduct	-3.39	
		For >100 To 250, Deduct	-5.46	
		For >250 To 500, Deduct	-8.28	
		For >500, Deduct	-11.10	
26 51 19 00-0325	EA	5" Non-IC, New Construction Housing (Cooper Halo ET500)	85.78	35.21
		For >50 To 100, Deduct	-3.47	
		For >100 To 250, Deduct	-5.61	
		For >250 To 500, Deduct	-8.58	
		For >500, Deduct	-11.55	
26 51 19 00-0326	EA	5" Non-IC, Remodel Housing (Cooper Halo ET500R)	87.89	35.21
		For >50 To 100, Deduct	-3.52	
		For >100 To 250, Deduct	-5.72	
		For >250 To 500, Deduct	-8.79	
		For >500, Deduct	-11.86	
26 51 19 00-0327	EA	5" Shallow, Insulated Ceiling, Air-Tite New Construction (Cooper Halo H25ICAT)	97.16	35.21
		For >50 To 100, Deduct	-3.75	
		For >100 To 250, Deduct	-6.18	
		For >250 To 500, Deduct	-9.72	
		For >500, Deduct	-13.25	

26 51 19 00-0328 Recessed LED Downlights (Maxlite DLR) (26 51 19 00-0214)

26 Electrical**26 50 Lighting****26 51 Interior Lighting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 51 19 00-0329	EA 4" Diameter, 1,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR410)	175.96	51.65
	For >50 To 100, Deduct	-6.34	
	For >100 To 250, Deduct	-10.73	
	For >250 To 500, Deduct	-17.60	
	For >500, Deduct	-24.46	
26 51 19 00-0330	EA 4" Diameter, 1,500 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR415)	178.49	51.65
	For >50 To 100, Deduct	-6.40	
	For >100 To 250, Deduct	-10.86	
	For >250 To 500, Deduct	-17.85	
	For >500, Deduct	-24.84	
26 51 19 00-0331	EA 4" Diameter, 2,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR420)	186.07	51.65
	For >50 To 100, Deduct	-6.59	
	For >100 To 250, Deduct	-11.24	
	For >250 To 500, Deduct	-18.61	
	For >500, Deduct	-25.97	
26 51 19 00-0332	EA 6" Diameter, 1,500 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR615)	170.90	51.65
	For >50 To 100, Deduct	-6.21	
	For >100 To 250, Deduct	-10.48	
	For >250 To 500, Deduct	-17.09	
	For >500, Deduct	-23.70	
26 51 19 00-0333	EA 6" Diameter, 2,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR620)	170.90	51.65
	For >50 To 100, Deduct	-6.21	
	For >100 To 250, Deduct	-10.48	
	For >250 To 500, Deduct	-17.09	
	For >500, Deduct	-23.70	
26 51 19 00-0334	EA 6" Diameter, 3,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR630)	170.90	51.65
	For >50 To 100, Deduct	-6.21	
	For >100 To 250, Deduct	-10.48	
	For >250 To 500, Deduct	-17.09	
	For >500, Deduct	-23.70	
26 51 19 00-0335	EA 8" Diameter, 1,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR810)	186.07	51.65
	For >50 To 100, Deduct	-6.59	
	For >100 To 250, Deduct	-11.24	
	For >250 To 500, Deduct	-18.61	
	For >500, Deduct	-25.97	
26 51 19 00-0336	EA 8" Diameter, 1,500 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR815)	188.59	51.65
	For >50 To 100, Deduct	-6.65	
	For >100 To 250, Deduct	-11.37	
	For >250 To 500, Deduct	-18.86	
	For >500, Deduct	-26.35	
26 51 19 00-0337	EA 8" Diameter, 2,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR820)	193.63	51.65
	For >50 To 100, Deduct	-6.78	
	For >100 To 250, Deduct	-11.62	
	For >250 To 500, Deduct	-19.36	
	For >500, Deduct	-27.11	
26 51 19 00-0338	EA 8" Diameter, 3,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR830)	208.78	51.65
	For >50 To 100, Deduct	-7.16	
	For >100 To 250, Deduct	-12.38	
	For >250 To 500, Deduct	-20.88	
	For >500, Deduct	-29.38	
26 51 19 00-0339	EA 8" Diameter, 5,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR850)	228.99	51.65
	For >50 To 100, Deduct	-7.66	
	For >100 To 250, Deduct	-13.39	
	For >250 To 500, Deduct	-22.90	
	For >500, Deduct	-32.41	

26 51 19 00-0340 Recessed LED Downlight Retrofits And Trim (CREE®) (26 51 19 00-0213)

26 51 19 00-0341 Recessed LED Downlight Retrofits (CREE®) (26 51 19 00-0340)

Note: Dimmable to 5%. For installation in standard recessed IC or non-IC housings. Includes removal of existing lamp from fixture. Excludes housing and disposal of hazardous lamps.

26 51 19 00-0342	EA 4" Diameter, 575 Lumens, Recessed LED Downlight Retrofit (Cree® CR4-575L)	112.38	
	For >50 To 100, Deduct	-3.54	
	For >100 To 250, Deduct	-6.35	
	For >250 To 500, Deduct	-11.24	
	For >500, Deduct	-16.12	
26 51 19 00-0343	EA 6" Diameter, 625 Lumens, Recessed LED Downlight Retrofit (Cree® CR6-625L)	98.91	
	For >50 To 100, Deduct	-3.21	
	For >100 To 250, Deduct	-5.68	
	For >250 To 500, Deduct	-9.89	
	For >500, Deduct	-14.10	
26 51 19 00-0344	EA 6" Diameter, 800 Lumens, Recessed LED Downlight Retrofit (Cree® CR6-800L)	125.84	
	For >50 To 100, Deduct	-3.88	
	For >100 To 250, Deduct	-7.03	
	For >250 To 500, Deduct	-12.58	
	For >500, Deduct	-18.14	
26 51 19 00-0345	EA 6" Diameter, 650 Lumens, Recessed LED Downlight Retrofit (Cree® LR6C-277)	141.54	
	For >50 To 100, Deduct	-4.27	
	For >100 To 250, Deduct	-7.81	
	For >250 To 500, Deduct	-14.15	
	For >500, Deduct	-20.50	
26 51 19 00-0346	EA 6" Diameter, 1,000 Lumens, Deep Recessed LED Downlight Retrofit (Cree® LR6-10L-XXX-120V-A-DR)	155.00	
	For >50 To 100, Deduct	-4.61	
	For >100 To 250, Deduct	-8.48	
	For >250 To 500, Deduct	-15.50	
	For >500, Deduct	-22.52	

26 51 19 00-0347 Recessed LED Downlight Retrofits Trim (CREE®) (26 51 19 00-0340)

Note: For installation in standard recessed IC or non-IC housings. Excludes housing and lamp.

			Electrical	26	26
			Lighting	26 50	
			Interior Lighting	26 51	
MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
			UNIT COST	UNIT COST	
26 51 19 00-0348	EA	6" Diameter, Diffuse Anodized Finish Reflector For LED Downlight Retrofits (Cree® CT6AX)	40.04	8.22	
		For >50 To 100, Deduct	-1.44		
		For >100 To 250, Deduct	-2.44		
		For >250 To 500, Deduct	-4.00		
		For >500, Deduct	-5.57		
26 51 19 00-0349	EA	6" Diameter, Diffuse Anodized Finish Reflector With Painted Flange For LED Downlight Retrofits (Cree® LT6AP)	49.02	8.22	
		For >50 To 100, Deduct	-1.67		
		For >100 To 250, Deduct	-2.89		
		For >250 To 500, Deduct	-4.90		
		For >500, Deduct	-6.91		
26 51 19 00-0350	EA	6" Diameter, Flat Black Finish Trim And Reflector For LED Downlight Retrofits (Cree® CT6BB)	42.29	8.22	
		For >50 To 100, Deduct	-1.50		
		For >100 To 250, Deduct	-2.55		
		For >250 To 500, Deduct	-4.23		
		For >500, Deduct	-5.90		
26 51 19 00-0351		Recessed LED Downlight Fixture Housings (CREE®) (26 51 19 00-0340)			
		Note: Excludes lamp and trim.			
26 51 19 00-0352	EA	6" Diameter, IC Rated, Architectural Recessed LED Downlight Fixture Housing (Cree® H6)	106.68	35.21	
		For >50 To 100, Deduct	-3.99		
		For >100 To 250, Deduct	-6.65		
		For >250 To 500, Deduct	-10.67		
		For >500, Deduct	-14.68		
26 51 19 00-0353	EA	6" Diameter, IC Rated, Retrofit Recessed LED Downlight Fixture Housing (Cree® RR6)	75.25	35.21	
		For >50 To 100, Deduct	-3.20		
		For >100 To 250, Deduct	-5.08		
		For >250 To 500, Deduct	-7.53		
		For >500, Deduct	-9.97		
26 51 19 00-0354		Can Retrofit Or Surface Mount, LED Downlights (26 51 19 00-0213)			
26 51 19 00-0355	EA	6" Diameter, 15 Watt, Can Retrofit Or Surface Mount, LED Downlight (Lighting Science® GLP6)	95.88	32.16	
		For >50 To 100, Deduct	-3.60		
		For >100 To 250, Deduct	-6.00		
		For >250 To 500, Deduct	-9.59		
		For >500, Deduct	-13.18		
26 51 19 00-0356	EA	4" Diameter, 7 Watt, Can Retrofit, LED Downlight (Green Creative0 1-811-D)	77.38	32.16	
		For >50 To 100, Deduct	-3.14		
		For >100 To 250, Deduct	-5.08		
		For >250 To 500, Deduct	-7.74		
		For >500, Deduct	-10.40		
26 51 19 00-0357	EA	6" Diameter, 9.5 Watt, Can Retrofit, LED Downlight (Green Creative0 1-808-D)	77.38	32.16	
		For >50 To 100, Deduct	-3.14		
		For >100 To 250, Deduct	-5.08		
		For >250 To 500, Deduct	-7.74		
		For >500, Deduct	-10.40		
26 51 19 00-0358	EA	6" Diameter, 8.9 Watt, Can Retrofit, LED Downlight (Lithonia 6BP)	138.42	32.16	
		For Recessed IC/Non-IC Rated Housing For New Construction, Add	49.88		
		For >50 To 100, Deduct	-4.67		
		For >100 To 250, Deduct	-8.13		
		For >250 To 500, Deduct	-13.84		
		For >500, Deduct	-19.56		
26 51 19 00-0359	EA	4" Diameter, 8 Watt, 600 Lumens, Retrofit LED Downlight (Sylvania LED/RT4/550/840)	67.23	32.16	
		For >50 To 100, Deduct	-2.89		
		For >100 To 250, Deduct	-4.57		
		For >250 To 500, Deduct	-6.72		
		For >500, Deduct	-8.88		
26 51 19 00-0360	EA	5" Diameter, 10 Watt, 700 Lumens, Retrofit LED Downlight (Sylvania LED/RT5/6/625/840)	74.85	32.16	
		For >50 To 100, Deduct	-3.08		
		For >100 To 250, Deduct	-4.95		
		For >250 To 500, Deduct	-7.49		
		For >500, Deduct	-10.02		
26 51 19 00-0361	EA	6" Diameter, 800 Lumens, 10 Watt, Retrofit LED Wallwash Downlight (Indy Lighting LRT6-08LM)	942.07	32.16	
		For >50 To 100, Deduct	-24.76		
		For >100 To 250, Deduct	-48.31		
		For >250 To 500, Deduct	-94.21		
		For >500, Deduct	-140.10		
26 51 19 00-0362		Recessed LED Downlights (Lithonia) (26 51 19 00-0213)			
26 51 19 00-0363	EA	23.5 Watt, 120 - 277 Volt, 2000 lumens, Square Recessed Downlight, Solid State LED Lamp (Lithonia EVO-SQ-35/20-4AR-LSS-MVOLT-EZ1)	541.83	51.65	
26 51 19 00-0364	EA	23.5 Watt, 120 - 277 Volt, 1500 lumens, Square Recessed Downlight, Solid State LED Lamp (Lithonia EVO-SQ-40/15-4AR-LSS-MVOLT-EZ10)	572.23	51.65	
26 51 19 00-0365		Wall Mount LED Cylinder Downlight (26 51 19 00-0001)			
26 51 19 00-0366	EA	9" Diameter, 2,200 Lumens, Wall Mount LED Cylinder Downlight With Semi-Specular Trim (Gotham® EVO® CLED9)	389.25	49.97	
		For >50 To 100, Deduct	-11.61		
		For >100 To 250, Deduct	-21.34		
		For >250 To 500, Deduct	-38.93		
		For >500, Deduct	-56.51		
26 51 19 00-0367		Wall Sconce And Wall Wash LED Fixtures (26 51 19 00-0001)			
26 51 19 00-0368		LED Wall Sconce Fixtures (Hudson Valley Lighting) (26 51 19 00-0367)			

26 Electrical**26 50 Lighting****26 51 Interior Lighting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 51 19 00-0369	EA	2-1/2" Diameter x 15-1/2" High, Polished Nickel, LED Wall Sconce (Hudson Valley Lighting SHAW 1200-PN)	537.32	46.95
		For >50 To 100, Deduct	-15.19	
		For >100 To 250, Deduct	-28.63	
		For >250 To 500, Deduct	-53.73	
		For >500, Deduct	-78.84	
26 51 19 00-0370		LED Wall Sconce Fixtures (Kichler) (26 51 19 00-0367)		
26 51 19 00-0371	EA	6" High x 11.75" Wide x 3.5" Deep, 900 Lumens, 15 Watt, White Acrylic Diffuser, Brushed Nickel, LED Wall Sconce (Kichler 10790NILED)	296.49	46.95
		For >50 To 100, Deduct	-9.17	
		For >100 To 250, Deduct	-16.59	
		For >250 To 500, Deduct	-29.65	
		For >500, Deduct	-42.71	
26 51 19 00-0372		LED Wall Sconce Fixtures (Metalux) (26 51 19 00-0367)		
26 51 19 00-0373	EA	9.875" High x 7.125" Wide x 3.5" Deep, 9 Watt, White Acrylic Diffuser, Brushed Nickel, LED Wall Sconce (Metalux AFX VNTS071009L30ENBN)	142.56	46.95
		For >50 To 100, Deduct	-5.32	
		For >100 To 250, Deduct	-8.89	
		For >250 To 500, Deduct	-14.26	
		For >500, Deduct	-19.62	
26 51 19 00-0374	EA	5" LED, Cape Sconce Wall Light, White (AFX CAPW050804L30ENWH)	124.80	46.95
		For >50 To 100, Deduct	-4.88	
		For >100 To 250, Deduct	-8.00	
		For >250 To 500, Deduct	-12.48	
		For >500, Deduct	-16.96	
26 51 19 00-0375		Concealed Continuous LED Fixtures (26 51 19 00-0001)		
26 51 19 00-0376		Concealed Continuous LED Fixtures (Fraqtir™ S301) (26 51 19 00-0375)		
26 51 19 00-0377	LF	Fixed Surface Mount, Concealed Continuous LED Fixture With Remote Driver (Fraqtir™ S301)	738.83	5.36
		For >50 To 100, Deduct	-18.74	
		For >100 To 250, Deduct	-37.21	
		For >250 To 500, Deduct	-73.88	
		For >500, Deduct	-110.56	
26 51 19 00-0378	LF	Fixed Surface Mount, Concealed Continuous LED Fixture With Remote Dimming Driver (Fraqtir™ S301)	842.50	5.36
		For >50 To 100, Deduct	-21.33	
		For >100 To 250, Deduct	-42.39	
		For >250 To 500, Deduct	-84.25	
		For >500, Deduct	-126.11	
26 51 19 00-0379		Low Bay LED Fixtures (26 51 19 00-0001)		
26 51 19 00-0380		LED Linear Low Bay Fixtures (PlanLED) (26 51 19 00-0379)		
26 51 19 00-0381	EA	4' Length, 23 Watt, LED Linear Low Bay Fixture (PlanLED A1W4)	369.66	64.34
		For >50 To 100, Deduct	-11.92	
		For >100 To 250, Deduct	-21.16	
		For >250 To 500, Deduct	-36.97	
		For >500, Deduct	-52.77	
26 51 19 00-0382	EA	4' Length, 42 Watt, LED Linear Low Bay Fixture (PlanLED A2W4A)	505.25	64.34
		For >50 To 100, Deduct	-15.31	
		For >100 To 250, Deduct	-27.94	
		For >250 To 500, Deduct	-50.53	
		For >500, Deduct	-73.11	
26 51 19 00-0383	EA	8' Length, 84 Watt, LED Linear Low Bay Fixture (PlanLED A2W5A)	844.80	80.42
		For >50 To 100, Deduct	-24.47	
		For >100 To 250, Deduct	-45.59	
		For >250 To 500, Deduct	-84.48	
		For >500, Deduct	-123.37	
26 51 19 00-0384		LED Low Bay Fixtures (CREE®) (26 51 19 00-0379)		
26 51 19 00-0385		LED Low Bay Fixtures (CREE® LS) (26 51 19 00-0384)		
		Note: Includes 120/277 voltage and 22 gauge steel housing assembly. Excludes sensors.		
26 51 19 00-0386	EA	2,500 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-25L-35K-10V)	330.39	64.34
		For >50 To 100, Deduct	-10.94	
		For >100 To 250, Deduct	-19.20	
		For >250 To 500, Deduct	-33.04	
		For >500, Deduct	-46.88	
26 51 19 00-0387	EA	2,500 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-25L-50K-10V)	353.27	64.34
		For >50 To 100, Deduct	-11.51	
		For >100 To 250, Deduct	-20.34	
		For >250 To 500, Deduct	-35.33	
		For >500, Deduct	-50.31	
26 51 19 00-0388	EA	4,000 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-40L-35K-10V)	339.92	64.34
		For >50 To 100, Deduct	-11.18	
		For >100 To 250, Deduct	-19.68	
		For >250 To 500, Deduct	-33.99	
		For >500, Deduct	-48.31	
26 51 19 00-0389	EA	4,000 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-40L-50K-10V)	362.81	64.34
		For >50 To 100, Deduct	-11.75	
		For >100 To 250, Deduct	-20.82	
		For >250 To 500, Deduct	-36.28	
		For >500, Deduct	-51.74	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0390	EA		5,000 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-50L-35K-10V)	379.98	64.34
			For >50 To 100, Deduct	-12.18	
			For >100 To 250, Deduct	-21.68	
			For >250 To 500, Deduct	-38.00	
			For >500, Deduct	-54.32	
26 51 19 00-0391	EA		5,000 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-50L-50K-10V)	402.87	64.34
			For >50 To 100, Deduct	-12.75	
			For >100 To 250, Deduct	-22.82	
			For >250 To 500, Deduct	-40.29	
			For >500, Deduct	-57.75	
26 51 19 00-0392	EA		8,000 Lumens, 8' Length, LED Low Bay Fixture (Cree® LS8-80L-35K-10V)	534.58	80.42
			For >50 To 100, Deduct	-16.72	
			For >100 To 250, Deduct	-30.08	
			For >250 To 500, Deduct	-53.46	
			For >500, Deduct	-76.84	
26 51 19 00-0393	EA		8,000 Lumens, 8' Length, LED Low Bay Fixture (Cree® LS8-80L-50K-10V)	576.54	80.42
			For >50 To 100, Deduct	-17.76	
			For >100 To 250, Deduct	-32.18	
			For >250 To 500, Deduct	-57.65	
			For >500, Deduct	-83.13	
26 51 19 00-0394	EA		10,000 Lumens, 8' Length, LED Low Bay Fixture (Cree® LS8-100L-35K-10V)	664.28	80.42
			For >50 To 100, Deduct	-19.96	
			For >100 To 250, Deduct	-36.57	
			For >250 To 500, Deduct	-66.43	
			For >500, Deduct	-96.29	
26 51 19 00-0395	EA		10,000 Lumens, 8' Length, LED Low Bay Fixture (Cree® LS8-100L-50K-10V)	687.16	80.42
			For >50 To 100, Deduct	-20.53	
			For >100 To 250, Deduct	-37.71	
			For >250 To 500, Deduct	-68.72	
			For >500, Deduct	-99.72	
26 51 19 00-0396			LED Low Bay Fixtures (CREE® LN) (26 51 19 00-0384)		
			Note: Includes 120/277 voltage and aluminum housing assembly. Excludes sensors.		
26 51 19 00-0397	EA		3,400 Lumens, 4' Length, LED Low Bay Fixture (Cree® LN4-34L-35K-10V)	753.81	64.34
			For >50 To 100, Deduct	-21.53	
			For >100 To 250, Deduct	-40.37	
			For >250 To 500, Deduct	-75.38	
			For >500, Deduct	-110.39	
26 51 19 00-0398	EA		3,400 Lumens, 4' Length, LED Low Bay Fixture, Smartcast Technology (Cree® LN4-34L-35K-CMA)	849.18	64.34
			For >50 To 100, Deduct	-23.91	
			For >100 To 250, Deduct	-45.14	
			For >250 To 500, Deduct	-84.92	
			For >500, Deduct	-124.70	
26 51 19 00-0399			LED Linear Low Bay Fixtures (CREE® CS) (26 51 19 00-0384)		
			Note: Includes 3,500 or 4,000K color temperature, 120/277 voltage and lightweight polymer housing assembly. Excludes sensors.		
26 51 19 00-0400	EA		2,200 Lumens, 4' Length, LED Low Bay Fixture, 0-10V Dimming (Cree® CS14™)	551.52	64.34
			For >50 To 100, Deduct	-16.47	
			For >100 To 250, Deduct	-30.26	
			For >250 To 500, Deduct	-55.15	
			For >500, Deduct	-80.05	
26 51 19 00-0401	EA		3,800 Lumens, 4' Length, LED Low Bay Fixture, 0-10V Dimming (Cree® CS14™)	657.00	64.34
			For >50 To 100, Deduct	-19.11	
			For >100 To 250, Deduct	-35.53	
			For >250 To 500, Deduct	-65.70	
			For >500, Deduct	-95.87	
26 51 19 00-0402	EA		4,000 Lumens, 4' Length, LED Linear Low Bay Fixture (Cree® CS14™)	729.57	64.34
			For >50 To 100, Deduct	-20.92	
			For >100 To 250, Deduct	-39.16	
			For >250 To 500, Deduct	-72.96	
			For >500, Deduct	-106.75	
26 51 19 00-0403	EA		7,500 Lumens, 8' Length, LED Linear Low Bay Fixture (Cree® CS18™)	906.72	80.42
			For >50 To 100, Deduct	-26.02	
			For >100 To 250, Deduct	-48.69	
			For >250 To 500, Deduct	-90.67	
			For >500, Deduct	-132.66	
26 51 19 00-0404	EA		8,000 Lumens, 8' Length, LED Linear Low Bay Fixture (Cree® CS18™)	1,155.79	80.42
			For >50 To 100, Deduct	-32.25	
			For >100 To 250, Deduct	-61.14	
			For >250 To 500, Deduct	-115.58	
			For >500, Deduct	-170.02	
26 51 19 00-0405	EA		4,000 Lumens, 4' Length, High Efficacy, LED Low Bay Fixture, Smartcast Technology (Cree® CS14-40LHE™)	688.96	64.34
			For >50 To 100, Deduct	-19.90	
			For >100 To 250, Deduct	-37.13	
			For >250 To 500, Deduct	-68.90	
			For >500, Deduct	-100.66	
26 51 19 00-0406	EA		3,800 Lumens, 4' Length, High Efficacy, LED Low Bay Fixture, Smartcast Technology (Cree® CS14-38L™)	746.74	64.34
			For >50 To 100, Deduct	-21.35	
			For >100 To 250, Deduct	-40.02	
			For >250 To 500, Deduct	-74.67	
			For >500, Deduct	-109.33	
26 51 19 00-0407	EA		8,000 Lumens, 8' Length, High Efficacy, LED Low Bay Fixture, Smartcast Technology (Cree® CS18-80LHE™)	1,102.96	80.42
			For >50 To 100, Deduct	-30.93	
			For >100 To 250, Deduct	-58.50	
			For >250 To 500, Deduct	-110.30	
			For >500, Deduct	-162.09	

26 Electrical**26 50 Lighting****26 51 Interior Lighting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 51 19 00-0408	EA	7,500 Lumens, 8' Length, High Efficacy, LED Low Bay Fixture, Smartcast Technology (Cree® CS18-75L™)	862.64	80.42
		For >50 To 100, Deduct	-24.92	
		For >100 To 250, Deduct	-46.48	
		For >250 To 500, Deduct	-86.26	
		For >500, Deduct	-126.05	

26 51 19 00-0409 Accessories For LED Low Bay Fixtures (CREE®) (26 51 19 00-0384)

26 51 19 00-0410	EA	Continuous Row Through Wiring Kit For 4' Fixtures (Cree® LS4TWK)	63.06	17.64
		For >50 To 100, Deduct	-2.31	
		For >100 To 250, Deduct	-3.89	
		For >250 To 500, Deduct	-6.31	
		For >500, Deduct	-8.72	
26 51 19 00-0411	EA	Continuous Row Through Wiring Kit For 8' Fixtures (Cree® LS8TWK)	69.80	17.64
		For >50 To 100, Deduct	-2.48	
		For >100 To 250, Deduct	-4.23	
		For >250 To 500, Deduct	-6.98	
		For >500, Deduct	-9.74	
26 51 19 00-0412	EA	Top Housing Aligner For Continuous Row Installations (Cree® LS-RJ)	51.83	17.64
		For >50 To 100, Deduct	-2.03	
		For >100 To 250, Deduct	-3.33	
		For >250 To 500, Deduct	-5.18	
		For >500, Deduct	-7.04	
26 51 19 00-0413	EA	Reflector Joint Aligner For Continuous Row Installations (Cree® LS-RFLJ)	40.62	17.64
		For >50 To 100, Deduct	-1.75	
		For >100 To 250, Deduct	-2.77	
		For >250 To 500, Deduct	-4.06	
		For >500, Deduct	-5.36	
26 51 19 00-0414	EA	Solid Reflector, Pair (Cree® LS4-SR)	141.59	17.64
		For >50 To 100, Deduct	-4.27	
		For >100 To 250, Deduct	-7.81	
		For >250 To 500, Deduct	-14.16	
		For >500, Deduct	-20.50	
26 51 19 00-0415	EA	Solid Reflector, Pair (Cree® LS8-SR)	197.70	17.64
		For >50 To 100, Deduct	-5.68	
		For >100 To 250, Deduct	-10.62	
		For >250 To 500, Deduct	-19.77	
		For >500, Deduct	-28.92	
26 51 19 00-0416	EA	5" Cable Canopy With #18/2 SJT Cord, 48" (Cree® AC5-18/2-48-Q14B-JB)	69.80	17.64
		For >50 To 100, Deduct	-2.48	
		For >100 To 250, Deduct	-4.23	
		For >250 To 500, Deduct	-6.98	
		For >500, Deduct	-9.74	
26 51 19 00-0417	EA	5" Cable Canopy With #18/2 SJT Cord, 72" (Cree® AC5-18/2-72-Q14B-JB)	101.21	17.64
		For >50 To 100, Deduct	-3.27	
		For >100 To 250, Deduct	-5.80	
		For >250 To 500, Deduct	-10.12	
		For >500, Deduct	-14.45	
26 51 19 00-0418	EA	5" Cable Canopy With #18/5 SJT Cord, 48" (Cree® AC5-18/5-48-Q14B-JB)	78.76	17.64
		For >50 To 100, Deduct	-2.70	
		For >100 To 250, Deduct	-4.67	
		For >250 To 500, Deduct	-7.88	
		For >500, Deduct	-11.08	
26 51 19 00-0419	EA	5" Cable Canopy With #18/5 SJT Cord, 72" (Cree® AC5-18/5-72-Q14B-JB)	107.94	17.64
		For >50 To 100, Deduct	-3.43	
		For >100 To 250, Deduct	-6.13	
		For >250 To 500, Deduct	-10.79	
		For >500, Deduct	-15.46	
26 51 19 00-0420	EA	5" Cable Canopy With #18/5 SJT Cord, 96" (Cree® AC5-18/5-96-Q14B-JB)	114.68	17.64
		For >50 To 100, Deduct	-3.60	
		For >100 To 250, Deduct	-6.47	
		For >250 To 500, Deduct	-11.47	
		For >500, Deduct	-16.47	
26 51 19 00-0421	EA	5" Cable Canopy With #12/3 SJT Cord, 48" (Cree® AC5-12/3-48-Q14B-JB)	96.71	17.64
		For >50 To 100, Deduct	-3.15	
		For >100 To 250, Deduct	-5.57	
		For >250 To 500, Deduct	-9.67	
		For >500, Deduct	-13.77	
26 51 19 00-0422	EA	5" Cable Canopy With #12/3 SJT Cord, 72" (Cree® AC5-12/3-72-Q14B-JB)	148.32	17.64
		For >50 To 100, Deduct	-4.44	
		For >100 To 250, Deduct	-8.15	
		For >250 To 500, Deduct	-14.83	
		For >500, Deduct	-21.51	
26 51 19 00-0423	EA	Set Of End Caps, One With Power Feed, One Without (Cree® LN-EC)	74.28	17.64
		For >50 To 100, Deduct	-2.59	
		For >100 To 250, Deduct	-4.45	
		For >250 To 500, Deduct	-7.43	
		For >500, Deduct	-10.41	
26 51 19 00-0424	EA	Canopy Kit With Aircraft Cable And Opening For Power Feed (Cree® LN-CK-5-AC)	92.23	17.64
		For >50 To 100, Deduct	-3.04	
		For >100 To 250, Deduct	-5.35	
		For >250 To 500, Deduct	-9.22	
		For >500, Deduct	-13.10	
26 51 19 00-0425	EA	Canopy Kit With Aircraft Cable No Opening For Power Feed (Cree® LN-CK-0-AC)	69.80	17.64
		For >50 To 100, Deduct	-2.48	
		For >100 To 250, Deduct	-4.23	
		For >250 To 500, Deduct	-6.98	
		For >500, Deduct	-9.74	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0426	EA		Emergency 125W Inverter, Ceiling Installed (Cree® ELI-125W).....	1,466.78	42.89
			For >50 To 100, Deduct	-38.28	
			For >100 To 250, Deduct	-74.95	
			For >250 To 500, Deduct	-146.68	
			For >500, Deduct	-218.41	
26 51 19 00-0427	EA		120 Volt, Emergency Relay For Use With Generator Power (Cree® EL-SR-120).....	513.11	42.89
			For >50 To 100, Deduct	-14.44	
			For >100 To 250, Deduct	-27.26	
			For >250 To 500, Deduct	-51.31	
			For >500, Deduct	-75.36	
26 51 19 00-0428			LED Linear Low Bay Fixtures (Lithonia MSL) (26 51 19 00-0379)		
			Note: Includes 3,500K, 4,000K or 5,000K color temperature, 120/277 voltage and steel housing assembly. Excludes sensors.		
26 51 19 00-0429	EA		4,000 Lumens, 4' Length, LED Linear Low Bay Fixture (Lithonia MSL).....	997.94	64.34
			For >50 To 100, Deduct	-27.63	
			For >100 To 250, Deduct	-52.58	
			For >250 To 500, Deduct	-99.79	
			For >500, Deduct	-147.01	
26 51 19 00-0430			High Bay LED Fixtures (26 51 19 00-0001)		
26 51 19 00-0431			LED High Bay Fixtures (Columbia Lighting LWS) (26 51 19 00-0430)		
26 51 19 00-0432	EA		16" x 24", 7,909 Lumens, 58.8 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-30-LW-W-EU).....	489.27	117.95
			For >50 To 100, Deduct	-18.13	
			For >100 To 250, Deduct	-30.36	
			For >250 To 500, Deduct	-48.93	
			For >500, Deduct	-67.49	
26 51 19 00-0433	EA		16" x 24", 8,526 Lumens, 58.8 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-50-LW-W-EU).....	489.27	117.95
			For >50 To 100, Deduct	-18.13	
			For >100 To 250, Deduct	-30.36	
			For >250 To 500, Deduct	-48.93	
			For >500, Deduct	-67.49	
26 51 19 00-0434	EA		16" x 24", 11,812 Lumens, 82.9 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-30-ML-W-EU).....	550.08	117.95
			For >50 To 100, Deduct	-19.65	
			For >100 To 250, Deduct	-33.40	
			For >250 To 500, Deduct	-55.01	
			For >500, Deduct	-76.61	
26 51 19 00-0435	EA		16" x 24", 12,734 Lumens, 82.9 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-50-ML-W-EU).....	550.08	117.95
			For >50 To 100, Deduct	-19.65	
			For >100 To 250, Deduct	-33.40	
			For >250 To 500, Deduct	-55.01	
			For >500, Deduct	-76.61	
26 51 19 00-0436	EA		16" x 24", 14,813 Lumens, 112.5 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-30-HL-W-EU).....	651.43	117.95
			For >50 To 100, Deduct	-22.18	
			For >100 To 250, Deduct	-38.47	
			For >250 To 500, Deduct	-65.14	
			For >500, Deduct	-91.82	
26 51 19 00-0437	EA		16" x 24", 15,968 Lumens, 112.5 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-50-HL-W-EU).....	651.43	117.95
			For >50 To 100, Deduct	-22.18	
			For >100 To 250, Deduct	-38.47	
			For >250 To 500, Deduct	-65.14	
			For >500, Deduct	-91.82	
26 51 19 00-0438	EA		16" x 24", 18,714 Lumens, 137.1 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-30-VL-W-EU).....	691.97	117.95
			For >50 To 100, Deduct	-23.20	
			For >100 To 250, Deduct	-40.50	
			For >250 To 500, Deduct	-69.20	
			For >500, Deduct	-97.90	
26 51 19 00-0439	EA		16" x 24", 19,511 Lumens, 137.1 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-50-VL-W-EU).....	691.97	117.95
			For >50 To 100, Deduct	-23.20	
			For >100 To 250, Deduct	-40.50	
			For >250 To 500, Deduct	-69.20	
			For >500, Deduct	-97.90	
26 51 19 00-0440	EA		16" x 24", 22,994 Lumens, 174 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-30-XL-W-EU).....	722.37	117.95
			For >50 To 100, Deduct	-23.96	
			For >100 To 250, Deduct	-42.02	
			For >250 To 500, Deduct	-72.24	
			For >500, Deduct	-102.46	
26 51 19 00-0441	EA		16" x 24", 24,787 Lumens, 174 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-50-XL-W-EU).....	722.37	117.95
			For >50 To 100, Deduct	-23.96	
			For >100 To 250, Deduct	-42.02	
			For >250 To 500, Deduct	-72.24	
			For >500, Deduct	-102.46	
26 51 19 00-0442			LED High Bay Fixtures (Cree) (26 51 19 00-0430)		
26 51 19 00-0443			LED High Bay Fixtures (CREE®) (26 51 19 00-0442)		
26 51 19 00-0444	EA		18,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-M-40K-8-UL-10V).....	882.49	117.95
			For >50 To 100, Deduct	-27.96	
			For >100 To 250, Deduct	-50.02	
			For >250 To 500, Deduct	-88.25	
			For >500, Deduct	-126.48	
26 51 19 00-0445	EA		18,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-M-40K-8-UL-ML).....	1,066.15	117.95
			For >50 To 100, Deduct	-32.55	
			For >100 To 250, Deduct	-59.21	
			For >250 To 500, Deduct	-106.62	
			For >500, Deduct	-154.02	

26 Electrical**26 50 Lighting****26 51 Interior Lighting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 51 19 00-0446	EA	18,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-M-40K-8-UH-10V).....	976.41	117.95
		For >50 To 100, Deduct	-30.31	
		For >100 To 250, Deduct	-54.72	
		For >250 To 500, Deduct	-97.64	
		For >500, Deduct	-140.56	
26 51 19 00-0447	EA	18,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-M-40K-8-UH-ML).....	1,122.26	117.95
		For >50 To 100, Deduct	-33.95	
		For >100 To 250, Deduct	-62.01	
		For >250 To 500, Deduct	-112.23	
		For >500, Deduct	-162.44	
26 51 19 00-0448	EA	24,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-H-40K-8-UL-10V).....	914.92	117.95
		For >50 To 100, Deduct	-28.77	
		For >100 To 250, Deduct	-51.64	
		For >250 To 500, Deduct	-91.49	
		For >500, Deduct	-131.34	
26 51 19 00-0449	EA	24,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-H-40K-8-UL-ML).....	1,099.81	117.95
		For >50 To 100, Deduct	-33.39	
		For >100 To 250, Deduct	-60.89	
		For >250 To 500, Deduct	-109.98	
		For >500, Deduct	-159.07	
26 51 19 00-0450	EA	24,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-H-40K-8-UH-10V).....	1,010.06	117.95
		For >50 To 100, Deduct	-31.15	
		For >100 To 250, Deduct	-56.40	
		For >250 To 500, Deduct	-101.01	
		For >500, Deduct	-145.61	
26 51 19 00-0451	EA	24,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-H-40K-8-UH-ML).....	1,155.91	117.95
		For >50 To 100, Deduct	-34.80	
		For >100 To 250, Deduct	-63.69	
		For >250 To 500, Deduct	-115.59	
		For >500, Deduct	-167.49	

26 51 19 00-0452 Accessories For LED High Bay Fixtures (CREE®) (26 51 19 00-0442)

26 51 19 00-0453	EA	15 Amperes, 120 Volt, Straight Blade Plug For LED High Bay Fixtures (Cree® AP-515P).....	63.06	17.64
		For >50 To 100, Deduct	-2.31	
		For >100 To 250, Deduct	-3.89	
		For >250 To 500, Deduct	-6.31	
		For >500, Deduct	-8.72	
26 51 19 00-0454	EA	15 Amperes, 120 Volt, Twist Lock Plug For LED High Bay Fixtures (Cree® AP-L515P).....	63.06	17.64
		For >50 To 100, Deduct	-2.31	
		For >100 To 250, Deduct	-3.89	
		For >250 To 500, Deduct	-6.31	
		For >500, Deduct	-8.72	
26 51 19 00-0455	EA	16" Matte Spun Aluminum Reflector For LED High Bay Fixture (Cree® CXBA16N).....	85.49	17.64
		For >50 To 100, Deduct	-2.87	
		For >100 To 250, Deduct	-5.01	
		For >250 To 500, Deduct	-8.55	
		For >500, Deduct	-12.09	
26 51 19 00-0456	EA	16" Clear Acrylic Reflector For LED High Bay Fixture (Cree® CXBP16).....	130.37	17.64
		For >50 To 100, Deduct	-3.99	
		For >100 To 250, Deduct	-7.25	
		For >250 To 500, Deduct	-13.04	
		For >500, Deduct	-18.82	
26 51 19 00-0457	EA	16" White Acrylic Reflector For LED High Bay Fixture (Cree® CXBW16).....	152.82	17.64
		For >50 To 100, Deduct	-4.56	
		For >100 To 250, Deduct	-8.38	
		For >250 To 500, Deduct	-15.28	
		For >500, Deduct	-22.19	
26 51 19 00-0458	EA	16" Clear Prismatic Conical Lens For Prismatic And Acrylic Reflectors For LED High Bay Fixtures (Cree® CL16).....	85.49	17.64
		For >50 To 100, Deduct	-2.87	
		For >100 To 250, Deduct	-5.01	
		For >250 To 500, Deduct	-8.55	
		For >500, Deduct	-12.09	
26 51 19 00-0459	EA	16" Clear Prismatic Drop Lens For Prismatic And Acrylic Reflectors For LED High Bay Fixtures (Cree® DL16).....	87.75	17.64
		For >50 To 100, Deduct	-2.93	
		For >100 To 250, Deduct	-5.12	
		For >250 To 500, Deduct	-8.78	
		For >500, Deduct	-12.43	
26 51 19 00-0460	EA	16" Wire Guard For Aluminum Reflector For LED High Bay Fixtures (Cree® WG-A).....	63.06	17.64
		For >50 To 100, Deduct	-2.31	
		For >100 To 250, Deduct	-3.89	
		For >250 To 500, Deduct	-6.31	
		For >500, Deduct	-8.72	
26 51 19 00-0461	EA	16" Wire Guard For Prismatic And Acrylic Reflector For LED High Bay Fixtures (Cree® WG-AP).....	67.55	17.64
		For >50 To 100, Deduct	-2.42	
		For >100 To 250, Deduct	-4.11	
		For >250 To 500, Deduct	-6.76	
		For >500, Deduct	-9.40	
26 51 19 00-0462	EA	5' Galvanized Safety Cable For LED High Bay Fixtures (Cree® SC-5).....	42.87	17.64
		For >50 To 100, Deduct	-1.81	
		For >100 To 250, Deduct	-2.88	
		For >250 To 500, Deduct	-4.29	
		For >500, Deduct	-5.70	
26 51 19 00-0463	EA	10' Galvanized Safety Cable For LED High Bay Fixtures (Cree® SC-10).....	45.12	17.64
		For >50 To 100, Deduct	-1.86	
		For >100 To 250, Deduct	-2.99	
		For >250 To 500, Deduct	-4.51	
		For >500, Deduct	-6.03	

	Electrical	26	26
	Lighting	26 50	
	Interior Lighting	26 51	
	TOTAL DIRECT	DEMOLITION	
	UNIT COST	UNIT COST	

26 51 19 00-0464	LED High Bay Fixtures (DLE) (26 51 19 00-0430)			
26 51 19 00-0465	EA 12,000 Lumens, 120 Watt, LED High Bay Fixture (DLE-12-ST/HV)	1,458.41	117.95	
	For >50 To 100, Deduct	-42.36		
	For >100 To 250, Deduct	-78.82		
	For >250 To 500, Deduct	-145.64		
	For >500, Deduct	-212.86		
26 51 19 00-0466	EA 18,000 Lumens, 180 Watt, LED High Bay Fixture (DLE-18-ST/HV)	1,795.20	117.95	
	For >50 To 100, Deduct	-50.78		
	For >100 To 250, Deduct	-95.66		
	For >250 To 500, Deduct	-179.52		
	For >500, Deduct	-263.38		
26 51 19 00-0467	EA 24,000 Lumens, 230 Watt, LED High Bay Fixture (DLE-24-ST/HV)	2,107.93	117.95	
	For >50 To 100, Deduct	-58.60		
	For >100 To 250, Deduct	-111.29		
	For >250 To 500, Deduct	-210.79		
	For >500, Deduct	-310.29		
26 51 19 00-0468	LED High Bay Fixtures (Everlast) (26 51 19 00-0430)			
26 51 19 00-0469	LED High Bay Fixtures (Everlast EL-LED-LG) (26 51 19 00-0468)			
26 51 19 00-0470	EA 13,500 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AC)	979.47	117.95	
	For >50 To 100, Deduct	-30.38		
	For >100 To 250, Deduct	-54.87		
	For >250 To 500, Deduct	-97.95		
	For >500, Deduct	-141.02		
26 51 19 00-0471	EA 13,500 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AO)	1,036.33	117.95	
	For >50 To 100, Deduct	-31.81		
	For >100 To 250, Deduct	-57.71		
	For >250 To 500, Deduct	-103.63		
	For >500, Deduct	-149.55		
26 51 19 00-0472	EA 15,000 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AL16)	922.61	117.95	
	For >50 To 100, Deduct	-28.96		
	For >100 To 250, Deduct	-52.03		
	For >250 To 500, Deduct	-92.26		
	For >500, Deduct	-132.49		
26 51 19 00-0473	EA 15,000 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AL22)	946.67	117.95	
	For >50 To 100, Deduct	-29.56		
	For >100 To 250, Deduct	-53.23		
	For >250 To 500, Deduct	-94.67		
	For >500, Deduct	-136.10		
26 51 19 00-0474	EA 17,500 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AC)	1,077.88	117.95	
	For >50 To 100, Deduct	-32.84		
	For >100 To 250, Deduct	-59.79		
	For >250 To 500, Deduct	-107.79		
	For >500, Deduct	-155.78		
26 51 19 00-0475	EA 17,500 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AO)	1,176.29	117.95	
	For >50 To 100, Deduct	-35.31		
	For >100 To 250, Deduct	-64.71		
	For >250 To 500, Deduct	-117.63		
	For >500, Deduct	-170.55		
26 51 19 00-0476	EA 20,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AL16)	1,025.40	117.95	
	For >50 To 100, Deduct	-31.53		
	For >100 To 250, Deduct	-57.17		
	For >250 To 500, Deduct	-102.54		
	For >500, Deduct	-147.91		
26 51 19 00-0477	EA 20,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AL22)	1,110.69	117.95	
	For >50 To 100, Deduct	-33.67		
	For >100 To 250, Deduct	-61.43		
	For >250 To 500, Deduct	-111.07		
	For >500, Deduct	-160.71		
26 51 19 00-0478	EA 34,000 Lumens, 300 Watt, LED High Bay Fixture (Everlast EL-LED-LG-HW, AL30)	1,624.62	117.95	
	For >50 To 100, Deduct	-46.51		
	For >100 To 250, Deduct	-87.13		
	For >250 To 500, Deduct	-162.46		
	For >500, Deduct	-237.80		
26 51 19 00-0479	EA 43,000 Lumens, 400 Watt, LED High Bay Fixture (Everlast EL-LED-LG-HW, AL30)	1,777.70	117.95	
	For >50 To 100, Deduct	-50.34		
	For >100 To 250, Deduct	-94.78		
	For >250 To 500, Deduct	-177.77		
	For >500, Deduct	-260.76		
26 51 19 00-0480	EA 66,000 Lumens, 600 Watt, LED High Bay Fixture (Everlast EL-LED-LG-HW, AL30)	2,215.09	117.95	
	For >50 To 100, Deduct	-61.28		
	For >100 To 250, Deduct	-116.65		
	For >250 To 500, Deduct	-221.51		
	For >500, Deduct	-326.37		
26 51 19 00-0481	LED High Bay Fixtures (Everlast EL-LED-CS) (26 51 19 00-0468)			
26 51 19 00-0482	EA 5,000 Lumens, 50 Watt, LED High Bay Fixture (Everlast EL-LED-CS)	607.69	117.95	
	For >50 To 100, Deduct	-21.09		
	For >100 To 250, Deduct	-36.28		
	For >250 To 500, Deduct	-60.77		
	For >500, Deduct	-85.26		
26 51 19 00-0483	EA 10,000 Lumens, 100 Watt, LED High Bay Fixture (Everlast EL-LED-CS)	902.93	117.95	
	For >50 To 100, Deduct	-28.47		
	For >100 To 250, Deduct	-51.04		
	For >250 To 500, Deduct	-90.29		
	For >500, Deduct	-129.54		

26 Electrical**26 50 Lighting****26 51 Interior Lighting**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
26 51 19 00-0484	EA	15,000 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-CS)	1,034.14	117.95	
		For >50 To 100, Deduct	-31.75		
		For >100 To 250, Deduct	-57.60		
		For >250 To 500, Deduct	-103.41		
		For >500, Deduct	-149.22		
26 51 19 00-0485	EA	20,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-CS)	1,187.23	117.95	
		For >50 To 100, Deduct	-35.58		
		For >100 To 250, Deduct	-65.26		
		For >250 To 500, Deduct	-118.72		
		For >500, Deduct	-172.19		
26 51 19 00-0486	EA	30,000 Lumens, 300 Watt, LED High Bay Fixture (Everlast EL-LED-CS)	1,285.64	117.95	
		For >50 To 100, Deduct	-38.04		
		For >100 To 250, Deduct	-70.18		
		For >250 To 500, Deduct	-128.56		
		For >500, Deduct	-186.95		
26 51 19 00-0487 LED High Bay Fixtures (Everlast EL-LED-HB-LG) (26 51 19 00-0468)					
26 51 19 00-0488	EA	10,000 Lumens, 100 Watt, LED High Bay Fixture (Everlast EL-LED-HB-LG)	804.51	117.95	
		For >50 To 100, Deduct	-26.01		
		For >100 To 250, Deduct	-46.12		
		For >250 To 500, Deduct	-80.45		
		For >500, Deduct	-114.78		
26 51 19 00-0489	EA	15,000 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-HB-LG)	859.19	117.95	
		For >50 To 100, Deduct	-27.38		
		For >100 To 250, Deduct	-48.86		
		For >250 To 500, Deduct	-85.92		
		For >500, Deduct	-122.98		
26 51 19 00-0490	EA	20,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-HB-LG)	935.73	117.95	
		For >50 To 100, Deduct	-29.29		
		For >100 To 250, Deduct	-52.68		
		For >250 To 500, Deduct	-93.57		
		For >500, Deduct	-134.46		
26 51 19 00-0491 LED High Bay Fixtures (Everlast EL-LED-LHB) (26 51 19 00-0468)					
26 51 19 00-0492	EA	13,000 Lumens, 100 Watt, LED High Bay Fixture (Everlast EL-LED-LHB)	817.64	117.95	
		For >50 To 100, Deduct	-26.34		
		For >100 To 250, Deduct	-46.78		
		For >250 To 500, Deduct	-81.76		
		For >500, Deduct	-116.75		
26 51 19 00-0493	EA	26,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LHB)	1,012.27	117.95	
		For >50 To 100, Deduct	-31.20		
		For >100 To 250, Deduct	-56.51		
		For >250 To 500, Deduct	-101.23		
		For >500, Deduct	-145.94		
26 51 19 00-0494	EA	39,000 Lumens, 300 Watt, LED High Bay Fixture (Everlast EL-LED-LHB)	1,263.77	117.95	
		For >50 To 100, Deduct	-37.49		
		For >100 To 250, Deduct	-69.09		
		For >250 To 500, Deduct	-126.38		
		For >500, Deduct	-183.67		
26 51 19 00-0495 LED High Bay Fixtures (Lithonia IBG) (26 51 19 00-0430)					
26 51 19 00-0496	EA	8,000 Lumens, 48 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 8000LM SEF ACL GND MVOLT)	452.60	115.81	
		For >50 To 100, Deduct	-15.72		
		For >100 To 250, Deduct	-27.03		
		For >250 To 500, Deduct	-45.26		
		For >500, Deduct	-63.49		
26 51 19 00-0497	EA	12,000 Lumens, 76 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 12000LM SEF ACL GND MVOLT)	471.39	115.81	
		For >50 To 100, Deduct	-16.19		
		For >100 To 250, Deduct	-27.97		
		For >250 To 500, Deduct	-47.14		
		For >500, Deduct	-66.30		
26 51 19 00-0498	EA	15,000 Lumens, 93 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 15000LM SEF ACL GND MVOLT)	513.67	115.81	
		For >50 To 100, Deduct	-17.25		
		For >100 To 250, Deduct	-30.09		
		For >250 To 500, Deduct	-51.37		
		For >500, Deduct	-72.65		
26 51 19 00-0499	EA	18,000 Lumens, 105 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 18000LM SEF ACL GND MVOLT)	580.42	115.81	
		For >50 To 100, Deduct	-18.92		
		For >100 To 250, Deduct	-33.43		
		For >250 To 500, Deduct	-58.04		
		For >500, Deduct	-82.66		
26 51 19 00-0500	EA	24,000 Lumens, 144 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 24000LM SEF ACL GND MVOLT)	634.76	115.81	
		For >50 To 100, Deduct	-20.27		
		For >100 To 250, Deduct	-36.14		
		For >250 To 500, Deduct	-63.48		
		For >500, Deduct	-90.81		
26 51 19 00-0501	EA	30,000 Lumens, 178 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 30000LM SEF ACL GND MVOLT)	762.51	115.81	
		For >50 To 100, Deduct	-23.47		
		For >100 To 250, Deduct	-42.53		
		For >250 To 500, Deduct	-76.25		
		For >500, Deduct	-109.97		
26 51 19 00-0502	EA	36,000 Lumens, 218 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 36000LM SEF ACL GND MVOLT)	925.60	115.81	
		For >50 To 100, Deduct	-27.54		
		For >100 To 250, Deduct	-50.68		
		For >250 To 500, Deduct	-92.56		
		For >500, Deduct	-134.44		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0503	EA		48,000 Lumens, 284 Watt, 47.29" Length, LED High Bay Fixture (Lithonia IBG 48000LM SEF ACL GND MVOLT)	1,336.91	117.95
			For >50 To 100, Deduct	-39.32	
			For >100 To 250, Deduct	-72.74	
			For >250 To 500, Deduct	-133.69	
			For >500, Deduct	-194.64	
26 51 19 00-0504			LED High Bay Fixtures (Lithonia IBL) (26 51 19 00-0430)		
26 51 19 00-0505	EA		9,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 9L)	624.73	117.95
			For >50 To 100, Deduct	-21.52	
			For >100 To 250, Deduct	-37.13	
			For >250 To 500, Deduct	-62.47	
			For >500, Deduct	-87.81	
26 51 19 00-0506	EA		12,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 12L)	675.40	117.95
			For >50 To 100, Deduct	-22.78	
			For >100 To 250, Deduct	-39.67	
			For >250 To 500, Deduct	-67.54	
			For >500, Deduct	-95.41	
26 51 19 00-0507	EA		18,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 18L)	812.22	117.95
			For >50 To 100, Deduct	-26.20	
			For >100 To 250, Deduct	-46.51	
			For >250 To 500, Deduct	-81.22	
			For >500, Deduct	-115.94	
26 51 19 00-0508	EA		24,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 24L)	866.94	117.95
			For >50 To 100, Deduct	-27.57	
			For >100 To 250, Deduct	-49.24	
			For >250 To 500, Deduct	-86.69	
			For >500, Deduct	-124.14	
26 51 19 00-0509			LED High Bay Fixtures (Metalux SSLED) (26 51 19 00-0430)		
26 51 19 00-0510	EA		12,000 Lumens, 80 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-12-M-UNV-L840-CD1U)	745.78	117.95
			For >50 To 100, Deduct	-24.54	
			For >100 To 250, Deduct	-43.19	
			For >250 To 500, Deduct	-74.58	
			For >500, Deduct	-105.97	
26 51 19 00-0511	EA		15,000 Lumens, 100 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-15-M-UNV-L840-CD1U)	765.81	117.95
			For >50 To 100, Deduct	-25.04	
			For >100 To 250, Deduct	-44.19	
			For >250 To 500, Deduct	-76.58	
			For >500, Deduct	-108.97	
26 51 19 00-0512	EA		18,000 Lumens, 120 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-18-M-UNV-L840-CD1U)	773.88	117.95
			For >50 To 100, Deduct	-25.24	
			For >100 To 250, Deduct	-44.59	
			For >250 To 500, Deduct	-77.39	
			For >500, Deduct	-110.18	
26 51 19 00-0513	EA		24,000 Lumens, 160 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-24-M-UNV-L840-CD1U)	850.68	117.95
			For >50 To 100, Deduct	-27.16	
			For >100 To 250, Deduct	-48.43	
			For >250 To 500, Deduct	-85.07	
			For >500, Deduct	-121.70	
26 51 19 00-0514	EA		30,000 Lumens, 200 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-30-M-UNV-L840-CD1U)	940.14	117.95
			For >50 To 100, Deduct	-29.40	
			For >100 To 250, Deduct	-52.90	
			For >250 To 500, Deduct	-94.01	
			For >500, Deduct	-135.12	
26 51 19 00-0515	EA		36,000 Lumens, 240 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-36-M-UNV-L840-CD1U)	973.71	117.95
			For >50 To 100, Deduct	-30.24	
			For >100 To 250, Deduct	-54.58	
			For >250 To 500, Deduct	-97.37	
			For >500, Deduct	-140.16	
26 51 19 00-0516			LED High Bay Fixtures (Neptun LED) (26 51 19 00-0430)		
26 51 19 00-0517	EA		2" Diameter, 13,100 Lumens, Bi-Level Dimming, LED High Bay Fixture With Motion Sensor (Neptun LED-19150)	846.17	117.95
			For >50 To 100, Deduct	-27.05	
			For >100 To 250, Deduct	-48.21	
			For >250 To 500, Deduct	-84.62	
			For >500, Deduct	-121.03	
26 51 19 00-0518			LED High Bay Fixtures (PlanLED) (26 51 19 00-0430)		
26 51 19 00-0519			LED High Bay Fixtures (PlanLED LUNA) (26 51 19 00-0518)		
			Note: Includes aluminum alloy chassis.		
26 51 19 00-0520	EA		7,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN70)	953.23	117.95
			For >50 To 100, Deduct	-29.73	
			For >100 To 250, Deduct	-53.56	
			For >250 To 500, Deduct	-95.32	
			For >500, Deduct	-137.09	
26 51 19 00-0521	EA		9,800 Lumens, LED High Bay Fixture (PlanLED LUNA LN98)	1,075.69	117.95
			For >50 To 100, Deduct	-32.79	
			For >100 To 250, Deduct	-59.68	
			For >250 To 500, Deduct	-107.57	
			For >500, Deduct	-155.46	
26 51 19 00-0522	EA		13,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN130)	1,252.84	117.95
			For >50 To 100, Deduct	-37.22	
			For >100 To 250, Deduct	-68.54	
			For >250 To 500, Deduct	-125.28	
			For >500, Deduct	-182.03	

26 Electrical**26 50 Lighting****26 51 Interior Lighting**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 51 19 00-0523	EA	16,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN160)	1,425.61	117.95
		For >50 To 100, Deduct	-41.54	
		For >100 To 250, Deduct	-77.18	
		For >250 To 500, Deduct	-142.56	
		For >500, Deduct	-207.94	

26 51 19 00-0524 LED High Bay Fixtures (PlanLED IBL) (26 51 19 00-0518)

Note: Includes aluminum alloy chassis.

26 51 19 00-0525	EA	13,650 Lumens, 130 Watt, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 130W)	1,040.70	117.95
		For 480 Volt, Add	61.39	
		For >50 To 100, Deduct	-31.92	
		For >100 To 250, Deduct	-57.93	
		For >250 To 500, Deduct	-104.07	
		For >500, Deduct	-150.21	
26 51 19 00-0526	EA	21,000 Lumens, 200 Watt, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 200W)	1,467.16	117.95
		For 480 Volt, Add	77.79	
		For >50 To 100, Deduct	-42.58	
		For >100 To 250, Deduct	-79.26	
		For >250 To 500, Deduct	-146.72	
		For >500, Deduct	-214.18	
26 51 19 00-0527	EA	42,000 Lumens, 400 Watt, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 400W)	2,641.54	117.95
		For 480 Volt, Add	123.44	
		For >50 To 100, Deduct	-71.94	
		For >100 To 250, Deduct	-137.97	
		For >250 To 500, Deduct	-264.15	
		For >500, Deduct	-390.33	

26 51 19 00-0528 LED High Bay Fixtures (PlanLED SEGA) (26 51 19 00-0518)

Note: Includes aluminum alloy chassis.

26 51 19 00-0529	EA	10,400 Lumens, 80 Watt, LED High Bay Fixture (PlanLED SEGA SE080)	811.08	117.95
		For 0 To 10 Volt Dimming, Add	94.53	
		For >50 To 100, Deduct	-26.17	
		For >100 To 250, Deduct	-46.45	
		For >250 To 500, Deduct	-81.11	
		For >500, Deduct	-115.76	
26 51 19 00-0530	EA	13,000 Lumens, 100 Watt, LED High Bay Fixture (PlanLED SEGA SE100)	870.12	117.95
		For 0 To 10 Volt Dimming, Add	94.53	
		For >50 To 100, Deduct	-27.65	
		For >100 To 250, Deduct	-49.40	
		For >250 To 500, Deduct	-87.01	
		For >500, Deduct	-124.62	
26 51 19 00-0531	EA	16,900 Lumens, 130 Watt, LED High Bay Fixture (PlanLED SEGA SE130)	1,073.51	117.95
		For 0 To 10 Volt Dimming, Add	94.53	
		For >50 To 100, Deduct	-32.74	
		For >100 To 250, Deduct	-59.57	
		For >250 To 500, Deduct	-107.35	
		For >500, Deduct	-155.13	
26 51 19 00-0532	EA	20,800 Lumens, 160 Watt, LED High Bay Fixture (PlanLED SEGA SE160)	1,220.03	117.95
		For 0 To 10 Volt Dimming, Add	94.53	
		For >50 To 100, Deduct	-36.40	
		For >100 To 250, Deduct	-66.90	
		For >250 To 500, Deduct	-122.00	
		For >500, Deduct	-177.11	
26 51 19 00-0533	EA	50,000 Lumens, 400 Watt, Array, LED High Bay Fixture (PlanLED SEGA SE400)	2,300.38	117.95
		For >50 To 100, Deduct	-63.41	
		For >100 To 250, Deduct	-120.92	
		For >250 To 500, Deduct	-230.04	
		For >500, Deduct	-339.16	
26 51 19 00-0534	EA	57,040 Lumens, 500 Watt, Array, LED High Bay Fixture (PlanLED SEGA SE500)	2,492.83	117.95
		For >50 To 100, Deduct	-68.22	
		For >100 To 250, Deduct	-130.54	
		For >250 To 500, Deduct	-249.28	
		For >500, Deduct	-368.03	
26 51 19 00-0535	EA	80,000 Lumens, 640 Watt, Array, LED High Bay Fixture (PlanLED SEGA SE640)	3,817.85	117.95
		For >50 To 100, Deduct	-101.34	
		For >100 To 250, Deduct	-196.79	
		For >250 To 500, Deduct	-381.79	
		For >500, Deduct	-566.78	

26 51 19 00-0536 Wet/Hazardous Location, LED Fixtures (26 51 19 00-0001)

26 51 19 00-0537 Wet Location, LED Fixtures (26 51 19 00-0536)

26 51 19 00-0538 Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM) (26 51 19 00-0537)

Note: Includes 5,600K CRI LED arrays, heat and impact resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
26 51 19 00-0539	EA		3,531 Lumens, 29 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM3L).....	2,706.40	90.08
			For Ceiling Mount, Add	23.84	
			For Quick Clip Mounting Option, Add	35.05	
			For Frosted Lens, Add	75.38	
			For Warm White Color Rendering, Add	97.03	
			For Stanchion Mount, Add	162.62	
			For Wall Mount, Add	180.02	
			For Polycarbonate Lens, Add	139.71	
			For Teflon Coated Lens, Add	159.99	
			For 480 Volt, Add	228.54	
			For >50 To 100, Deduct	-71.41	
			For >100 To 250, Deduct	-139.07	
			For >250 To 500, Deduct	-270.64	
			For >500, Deduct	-402.21	
26 51 19 00-0540	EA		5,335 Lumens, 43 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM5L).....	2,757.41	96.50
			For Ceiling Mount, Add	23.84	
			For Quick Clip Mounting Option, Add	35.05	
			For Frosted Lens, Add	75.38	
			For Warm White Color Rendering, Add	97.03	
			For Stanchion Mount, Add	162.62	
			For Wall Mount, Add	180.02	
			For Polycarbonate Lens, Add	139.71	
			For Teflon Coated Lens, Add	159.99	
			For 480 Volt, Add	228.54	
			For >50 To 100, Deduct	-72.96	
			For >100 To 250, Deduct	-141.89	
			For >250 To 500, Deduct	-275.74	
			For >500, Deduct	-409.59	
26 51 19 00-0541	EA		7,195 Lumens, 62 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM7L).....	3,114.98	102.94
			For Ceiling Mount, Add	23.84	
			For Quick Clip Mounting Option, Add	35.05	
			For Frosted Lens, Add	75.38	
			For Warm White Color Rendering, Add	97.03	
			For Stanchion Mount, Add	162.62	
			For Wall Mount, Add	180.02	
			For Polycarbonate Lens, Add	139.71	
			For Teflon Coated Lens, Add	159.99	
			For 480 Volt, Add	228.54	
			For >50 To 100, Deduct	-82.16	
			For >100 To 250, Deduct	-160.04	
			For >250 To 500, Deduct	-311.50	
			For >500, Deduct	-462.96	
26 51 19 00-0542	EA		9,266 Lumens, 85 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM9L).....	3,753.88	109.38
			For Ceiling Mount, Add	23.84	
			For Quick Clip Mounting Option, Add	35.05	
			For Frosted Lens, Add	75.38	
			For Warm White Color Rendering, Add	97.03	
			For Stanchion Mount, Add	162.62	
			For Wall Mount, Add	180.02	
			For Polycarbonate Lens, Add	139.71	
			For Teflon Coated Lens, Add	159.99	
			For 480 Volt, Add	228.54	
			For >50 To 100, Deduct	-98.40	
			For >100 To 250, Deduct	-192.25	
			For >250 To 500, Deduct	-375.39	
			For >500, Deduct	-558.52	
26 51 19 00-0543	EA		11,440 Lumens, 113 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM11L).....	4,794.68	115.81
			For Ceiling Mount, Add	23.84	
			For Quick Clip Mounting Option, Add	35.05	
			For Frosted Lens, Add	75.38	
			For Warm White Color Rendering, Add	97.03	
			For Stanchion Mount, Add	162.62	
			For Wall Mount, Add	180.02	
			For Polycarbonate Lens, Add	139.71	
			For Teflon Coated Lens, Add	159.99	
			For 480 Volt, Add	228.54	
			For >50 To 100, Deduct	-124.69	
			For >100 To 250, Deduct	-244.56	
			For >250 To 500, Deduct	-479.47	
			For >500, Deduct	-714.38	
26 51 19 00-0544	EA		13,226 Lumens, 131 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM11L).....	6,319.03	119.02
			For Ceiling Mount, Add	23.84	
			For Quick Clip Mounting Option, Add	35.05	
			For Frosted Lens, Add	75.38	
			For Warm White Color Rendering, Add	97.03	
			For Stanchion Mount, Add	162.62	
			For Wall Mount, Add	180.02	
			For Polycarbonate Lens, Add	139.71	
			For Teflon Coated Lens, Add	159.99	
			For 480 Volt, Add	228.54	
			For >50 To 100, Deduct	-162.94	
			For >100 To 250, Deduct	-320.91	
			For >250 To 500, Deduct	-631.90	
			For >500, Deduct	-942.90	

26 Electrical**26 50 Lighting****26 51 Interior Lighting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 51 19 00-0545	EA	18,793 Lumens, 168 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM17L).....	7,323.28	122.24
		For Ceiling Mount, Add	23.84	
		For Quick Clip Mounting Option, Add	35.05	
		For Frosted Lens, Add	75.38	
		For Warm White Color Rendering, Add	97.03	
		For Stanchion Mount, Add	162.62	
		For Wall Mount, Add	180.02	
		For Polycarbonate Lens, Add	139.71	
		For Teflon Coated Lens, Add	159.99	
		For 480 Volt, Add	228.54	
		For >50 To 100, Deduct	-188.18	
		For >100 To 250, Deduct	-371.26	
		For >250 To 500, Deduct	-732.33	
		For >500, Deduct	-1,093.40	

26 51 19 00-0546		Wet Location, NEMA 4X, LED Floodlight (Cooper Champ® Pro PFM) (26 51 19 00-0537) Note: Includes 5,600K CRI LED arrays, shatter resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 51 19 00-0547	EA	5,183 Lumens, 45 Watt, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM5L).....	2,434.42	96.50
		For Bolt-On Visor, Add	129.78	
		For Bolt-On Wire Guard, Add	266.93	
		For 480 Volt, Add	228.54	
		For Warm White Color Rendering, Add	97.03	
		For >50 To 100, Deduct	-64.88	
		For >100 To 250, Deduct	-125.74	
		For >250 To 500, Deduct	-243.44	
		For >500, Deduct	-361.14	
26 51 19 00-0548	EA	7,095 Lumens, 62 Watt, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM7L).....	3,604.36	102.94
		For Bolt-On Visor, Add	129.78	
		For Bolt-On Wire Guard, Add	266.93	
		For 480 Volt, Add	228.54	
		For Warm White Color Rendering, Add	97.03	
		For >50 To 100, Deduct	-94.40	
		For >100 To 250, Deduct	-184.51	
		For >250 To 500, Deduct	-360.44	
		For >500, Deduct	-536.36	
26 51 19 00-0549	EA	9,132 Lumens, 79 Watt, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM9L).....	3,975.36	109.38
		For Bolt-On Visor, Add	129.78	
		For Bolt-On Wire Guard, Add	266.93	
		For 480 Volt, Add	228.54	
		For Warm White Color Rendering, Add	97.03	
		For >50 To 100, Deduct	-103.94	
		For >100 To 250, Deduct	-203.33	
		For >250 To 500, Deduct	-397.54	
		For >500, Deduct	-591.75	
26 51 19 00-0550	EA	11,107 Lumens, 99 Watt, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM11L).....	4,567.14	115.81
		For Bolt-On Visor, Add	129.78	
		For Bolt-On Wire Guard, Add	266.93	
		For 480 Volt, Add	228.54	
		For Warm White Color Rendering, Add	97.03	
		For >50 To 100, Deduct	-119.00	
		For >100 To 250, Deduct	-233.18	
		For >250 To 500, Deduct	-456.71	
		For >500, Deduct	-680.25	

26 51 19 00-0551		Wet Location, NEMA 4X, Low Bay, LED Fixture (Cooper Vaporgard™ Pro P2L) (26 51 19 00-0537) Note: Includes 5,600K CRI LED arrays, heat resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 51 19 00-0552	EA	1,400 Lumens, 25 Watt, Pendant Mount, Wet Location, NEMA 4X, Low Bay, LED Fixture (Cooper Vaporgard™ Pro P2LC).....	1,681.49	90.08
		For 12/24 Volt DC Driver, Add	36.89	
		For Frosted Lens, Add	75.38	
		For 55 Degree Ambient Suitability (AC Only), Add	50.22	
		For Warm White Color Rendering, Add	97.03	
		For Ceiling Mount, Add	114.59	
		For Wall Mount, Add	166.19	
		For Teflon Coated Lens, Add	159.99	
		For Wall Mount With Junction Box, Add	241.42	
		For >50 To 100, Deduct	-45.79	
		For >100 To 250, Deduct	-87.83	
		For >250 To 500, Deduct	-168.15	
		For >500, Deduct	-248.47	

26 51 19 00-0553		Vaportight, LED Fixtures (26 51 19 00-0536)		
26 51 19 00-0554		General Distribution, Vaportight, LED Fixtures (Metalux) (26 51 19 00-0553)		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0555	EA	2'	2,000 Lumens, 16 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-2-G-UNV-L850-CD1-U).....	302.64	51.48
			For >50 To 100, Deduct	-9.71	
			For >100 To 250, Deduct	-17.28	
			For >250 To 500, Deduct	-30.26	
			For >500, Deduct	-43.25	
26 51 19 00-0556	EA	2'	3,000 Lumens, 24 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-3-G-UNV-L850-CD1-U).....	315.39	51.48
			For >50 To 100, Deduct	-10.03	
			For >100 To 250, Deduct	-17.91	
			For >250 To 500, Deduct	-31.54	
			For >500, Deduct	-45.16	
26 51 19 00-0557	EA	2'	4,000 Lumens, 32 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-4-G-UNV-L850-CD1-U).....	340.92	51.48
			For >50 To 100, Deduct	-10.67	
			For >100 To 250, Deduct	-19.19	
			For >250 To 500, Deduct	-34.09	
			For >500, Deduct	-48.99	
26 51 19 00-0558	EA	4'	4,000 Lumens, 32 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-4-G-UNV-L850-CD1-U).....	306.52	64.34
			For >50 To 100, Deduct	-10.34	
			For >100 To 250, Deduct	-18.01	
			For >250 To 500, Deduct	-30.65	
			For >500, Deduct	-43.30	
26 51 19 00-0559	EA	4'	6,000 Lumens, 51 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-6-G-UNV-L850-CD1-U).....	343.12	64.34
			For >50 To 100, Deduct	-11.26	
			For >100 To 250, Deduct	-19.84	
			For >250 To 500, Deduct	-34.31	
			For >500, Deduct	-48.79	
26 51 19 00-0560	EA	4'	8,000 Lumens, 67 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-8-G-UNV-L850-CD1-U).....	477.19	64.34
			For >50 To 100, Deduct	-14.61	
			For >100 To 250, Deduct	-26.54	
			For >250 To 500, Deduct	-47.72	
			For >500, Deduct	-68.90	
26 51 19 00-0561			Wide Distribution, Vaportight, LED Fixtures (Metalux) (26 51 19 00-0553)		
26 51 19 00-0562	EA	2'	2,000 Lumens, 17 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-2-W-UNV-L850-CD1-U).....	328.15	51.48
			For >50 To 100, Deduct	-10.35	
			For >100 To 250, Deduct	-18.55	
			For >250 To 500, Deduct	-32.82	
			For >500, Deduct	-47.08	
26 51 19 00-0563	EA	2'	3,000 Lumens, 25 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-3-W-UNV-L850-CD1-U).....	340.92	51.48
			For >50 To 100, Deduct	-10.67	
			For >100 To 250, Deduct	-19.19	
			For >250 To 500, Deduct	-34.09	
			For >500, Deduct	-48.99	
26 51 19 00-0564	EA	2'	4,000 Lumens, 34 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-4-W-UNV-L850-CD1-U).....	366.43	51.48
			For >50 To 100, Deduct	-11.31	
			For >100 To 250, Deduct	-20.47	
			For >250 To 500, Deduct	-36.64	
			For >500, Deduct	-52.82	
26 51 19 00-0565	EA	4'	4,000 Lumens, 31 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-4-W-UNV-L850-CD1-U).....	426.16	64.34
			For >50 To 100, Deduct	-13.33	
			For >100 To 250, Deduct	-23.99	
			For >250 To 500, Deduct	-42.62	
			For >500, Deduct	-61.24	
26 51 19 00-0566	EA	4'	6,000 Lumens, 49 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-6-W-UNV-L850-CD1-U).....	477.19	64.34
			For >50 To 100, Deduct	-14.61	
			For >100 To 250, Deduct	-26.54	
			For >250 To 500, Deduct	-47.72	
			For >500, Deduct	-68.90	
26 51 19 00-0567	EA	4'	8,000 Lumens, 70 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-8-W-UNV-L850-CD1-U).....	528.24	64.34
			For >50 To 100, Deduct	-15.89	
			For >100 To 250, Deduct	-29.09	
			For >250 To 500, Deduct	-52.82	
			For >500, Deduct	-76.56	
26 51 19 00-0568			Parking Garage Distribution, Vaportight, LED Fixtures (Metalux) (26 51 19 00-0553)		
26 51 19 00-0569	EA	2'	2,000 Lumens, 17 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-2-P-UNV-L850-CD1-U).....	328.15	51.48
			For >50 To 100, Deduct	-10.35	
			For >100 To 250, Deduct	-18.55	
			For >250 To 500, Deduct	-32.82	
			For >500, Deduct	-47.08	
26 51 19 00-0570	EA	2'	3,000 Lumens, 25 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-3-P-UNV-L850-CD1-U).....	341.89	51.48
			For >50 To 100, Deduct	-10.69	
			For >100 To 250, Deduct	-19.24	
			For >250 To 500, Deduct	-34.19	
			For >500, Deduct	-49.14	

26 Electrical**26 50 Lighting****26 51 Interior Lighting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 51 19 00-0571	EA	2', 4,000 Lumens, 34 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-4-P-UNV-L850-CD1-U).....	366.43	51.48
		For >50 To 100, Deduct	-11.31	
		For >100 To 250, Deduct	-20.47	
		For >250 To 500, Deduct	-36.64	
		For >500, Deduct	-52.82	
26 51 19 00-0572	EA	4', 4,000 Lumens, 31 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-4-P-UNV-L850-CD1-U).....	426.16	64.34
		For >50 To 100, Deduct	-13.33	
		For >100 To 250, Deduct	-23.99	
		For >250 To 500, Deduct	-42.62	
		For >500, Deduct	-61.24	
26 51 19 00-0573	EA	4', 6,000 Lumens, 49 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-6-P-UNV-L850-CD1-U).....	477.19	64.34
		For >50 To 100, Deduct	-14.61	
		For >100 To 250, Deduct	-26.54	
		For >250 To 500, Deduct	-47.72	
		For >500, Deduct	-68.90	
26 51 19 00-0574	EA	4', 8,000 Lumens, 69 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-8-P-UNV-L850-CD1-U).....	528.24	64.34
		For >50 To 100, Deduct	-15.89	
		For >100 To 250, Deduct	-29.09	
		For >250 To 500, Deduct	-52.82	
		For >500, Deduct	-76.56	

26 51 19 00-0575 Ceiling Mounted LED Fixtures (26 51 19 00-0001)**26 51 19 00-0576 Ceiling Mounted, LED Drum Fixtures (Enertron)** (26 51 19 00-0575)

26 51 19 00-0577	EA	11" Diameter, 530 Lumens, 7 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED1X611-30)	119.48	42.89
		For >50 To 100, Deduct	-4.60	
		For >100 To 250, Deduct	-7.58	
		For >250 To 500, Deduct	-11.95	
		For >500, Deduct	-16.31	
26 51 19 00-0578	EA	11" Diameter, 1,060 Lumens, 10 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED2X611-30)	124.96	42.89
		For >50 To 100, Deduct	-4.73	
		For >100 To 250, Deduct	-7.86	
		For >250 To 500, Deduct	-12.50	
		For >500, Deduct	-17.14	
26 51 19 00-0579	EA	11" Diameter, 1,590 Lumens, 14 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X611-30)	130.43	42.89
		For >50 To 100, Deduct	-4.87	
		For >100 To 250, Deduct	-8.13	
		For >250 To 500, Deduct	-13.04	
		For >500, Deduct	-17.96	
26 51 19 00-0580	EA	11" Diameter, 2,120 Lumens, 17 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED4X611-30)	135.91	42.89
		For >50 To 100, Deduct	-5.01	
		For >100 To 250, Deduct	-8.40	
		For >250 To 500, Deduct	-13.59	
		For >500, Deduct	-18.78	
26 51 19 00-0581	EA	14" Diameter, 530 Lumens, 7 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED1X614-30)	131.60	47.18
		For >50 To 100, Deduct	-5.06	
		For >100 To 250, Deduct	-8.35	
		For >250 To 500, Deduct	-13.16	
		For >500, Deduct	-17.97	
26 51 19 00-0582	EA	14" Diameter, 1,060 Lumens, 10 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED2X614-30)	137.07	47.18
		For >50 To 100, Deduct	-5.20	
		For >100 To 250, Deduct	-8.62	
		For >250 To 500, Deduct	-13.71	
		For >500, Deduct	-18.79	
26 51 19 00-0583	EA	14" Diameter, 1,590 Lumens, 14 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X614-30)	142.54	47.18
		For >50 To 100, Deduct	-5.33	
		For >100 To 250, Deduct	-8.90	
		For >250 To 500, Deduct	-14.25	
		For >500, Deduct	-19.61	
26 51 19 00-0584	EA	14" Diameter, 2,120 Lumens, 17 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED4X614-30)	148.02	47.18
		For >50 To 100, Deduct	-5.47	
		For >100 To 250, Deduct	-9.17	
		For >250 To 500, Deduct	-14.80	
		For >500, Deduct	-20.43	
26 51 19 00-0585	EA	14" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X614-30)	158.97	47.18
		For >50 To 100, Deduct	-5.74	
		For >100 To 250, Deduct	-9.72	
		For >250 To 500, Deduct	-15.90	
		For >500, Deduct	-22.08	
26 51 19 00-0586	EA	11" Diameter, 530 Lumens, 7 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED1X611-35)	119.48	42.89
		For >50 To 100, Deduct	-4.60	
		For >100 To 250, Deduct	-7.58	
		For >250 To 500, Deduct	-11.95	
		For >500, Deduct	-16.31	
26 51 19 00-0587	EA	11" Diameter, 1,060 Lumens, 10 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X611-35)	124.96	42.89
		For >50 To 100, Deduct	-4.73	
		For >100 To 250, Deduct	-7.86	
		For >250 To 500, Deduct	-12.50	
		For >500, Deduct	-17.14	
26 51 19 00-0588	EA	11" Diameter, 1,590 Lumens, 14 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED3X611-35)	130.43	42.89
		For >50 To 100, Deduct	-4.87	
		For >100 To 250, Deduct	-8.13	
		For >250 To 500, Deduct	-13.04	
		For >500, Deduct	-17.96	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0589	EA	11" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED4X611-35)	.....	135.91	42.89
		For >50 To 100, Deduct		-5.01	
		For >100 To 250, Deduct		-8.40	
		For >250 To 500, Deduct		-13.59	
		For >500, Deduct		-18.78	
26 51 19 00-0590	EA	14" Diameter, 530 Lumens, 7 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED1X614-35)	.....	131.60	47.18
		For >50 To 100, Deduct		-5.06	
		For >100 To 250, Deduct		-8.35	
		For >250 To 500, Deduct		-13.16	
		For >500, Deduct		-17.97	
26 51 19 00-0591	EA	14" Diameter, 1,060 Lumens, 10 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X614-35)	.....	137.07	47.18
		For >50 To 100, Deduct		-5.20	
		For >100 To 250, Deduct		-8.62	
		For >250 To 500, Deduct		-13.71	
		For >500, Deduct		-18.79	
26 51 19 00-0592	EA	14" Diameter, 1,590 Lumens, 14 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED3X614-35)	.....	142.54	47.18
		For >50 To 100, Deduct		-5.33	
		For >100 To 250, Deduct		-8.90	
		For >250 To 500, Deduct		-14.25	
		For >500, Deduct		-19.61	
26 51 19 00-0593	EA	14" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED4X614-35)	.....	148.02	47.18
		For >50 To 100, Deduct		-5.47	
		For >100 To 250, Deduct		-9.17	
		For >250 To 500, Deduct		-14.80	
		For >500, Deduct		-20.43	
26 51 19 00-0594	EA	14" Diameter, 3,180 Lumens, 24 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED6X614-30)	.....	158.97	47.18
		For >50 To 100, Deduct		-5.74	
		For >100 To 250, Deduct		-9.72	
		For >250 To 500, Deduct		-15.90	
		For >500, Deduct		-22.08	
26 51 19 00-0595	EA	11" Diameter, 550 Lumens, 7 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X611-40)	.....	119.48	42.89
		For >50 To 100, Deduct		-4.60	
		For >100 To 250, Deduct		-7.58	
		For >250 To 500, Deduct		-11.95	
		For >500, Deduct		-16.31	
26 51 19 00-0596	EA	11" Diameter, 1,100 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X611-40)	.....	124.96	42.89
		For >50 To 100, Deduct		-4.73	
		For >100 To 250, Deduct		-7.86	
		For >250 To 500, Deduct		-12.50	
		For >500, Deduct		-17.14	
26 51 19 00-0597	EA	11" Diameter, 1,650 Lumens, 14 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED3X611-40)	.....	130.43	42.89
		For >50 To 100, Deduct		-4.87	
		For >100 To 250, Deduct		-8.13	
		For >250 To 500, Deduct		-13.04	
		For >500, Deduct		-17.96	
26 51 19 00-0598	EA	11" Diameter, 2,200 Lumens, 17 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X611-40)	.....	135.91	42.89
		For >50 To 100, Deduct		-5.01	
		For >100 To 250, Deduct		-8.40	
		For >250 To 500, Deduct		-13.59	
		For >500, Deduct		-18.78	
26 51 19 00-0599	EA	14" Diameter, 550 Lumens, 7 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X614-40)	.....	131.60	47.18
		For >50 To 100, Deduct		-5.06	
		For >100 To 250, Deduct		-8.35	
		For >250 To 500, Deduct		-13.16	
		For >500, Deduct		-17.97	
26 51 19 00-0600	EA	14" Diameter, 1,100 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X614-40)	.....	137.07	47.18
		For >50 To 100, Deduct		-5.20	
		For >100 To 250, Deduct		-8.62	
		For >250 To 500, Deduct		-13.71	
		For >500, Deduct		-18.79	
26 51 19 00-0601	EA	14" Diameter, 1,650 Lumens, 14 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED3X614-40)	.....	142.54	47.18
		For >50 To 100, Deduct		-5.33	
		For >100 To 250, Deduct		-8.90	
		For >250 To 500, Deduct		-14.25	
		For >500, Deduct		-19.61	
26 51 19 00-0602	EA	14" Diameter, 2,200 Lumens, 17 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X614-40)	.....	148.02	47.18
		For >50 To 100, Deduct		-5.47	
		For >100 To 250, Deduct		-9.17	
		For >250 To 500, Deduct		-14.80	
		For >500, Deduct		-20.43	
26 51 19 00-0603	EA	14" Diameter, 3,300 Lumens, 24 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED6X614-40)	.....	158.97	47.18
		For >50 To 100, Deduct		-5.74	
		For >100 To 250, Deduct		-9.72	
		For >250 To 500, Deduct		-15.90	
		For >500, Deduct		-22.08	
26 51 19 00-0604	EA	11" Diameter, 560 Lumens, 7 Watt, 5000K CCT, LED Drum Fixture (Enertron 10LED1X611-50)	.....	119.48	42.89
		For >50 To 100, Deduct		-4.60	
		For >100 To 250, Deduct		-7.58	
		For >250 To 500, Deduct		-11.95	
		For >500, Deduct		-16.31	
26 51 19 00-0605	EA	11" Diameter, 1,120 Lumens, 10 Watt, 5000K CCT, LED Drum Fixture (Enertron 10LED2X611-50)	.....	124.96	42.89
		For >50 To 100, Deduct		-4.73	
		For >100 To 250, Deduct		-7.86	
		For >250 To 500, Deduct		-12.50	
		For >500, Deduct		-17.14	
26 51 19 00-0606	EA	11" Diameter, 1,680 Lumens, 14 Watt, 5000K CCT, LED Drum Fixture (Enertron 10LED3X611-50)	.....	130.43	42.89
		For >50 To 100, Deduct		-4.87	
		For >100 To 250, Deduct		-8.13	
		For >250 To 500, Deduct		-13.04	
		For >500, Deduct		-17.96	

26 Electrical**26 50 Lighting****26 51 Interior Lighting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 51 19 00-0607	EA 11" Diameter, 2,240 Lumens, 17 Watt, 5000K CCT, LED Drum Fixture (Enertron 10LED4X611-50)	135.91	42.89
	For >50 To 100, Deduct	-5.01	
	For >100 To 250, Deduct	-8.40	
	For >250 To 500, Deduct	-13.59	
	For >500, Deduct	-18.78	
26 51 19 00-0608	EA 14" Diameter, 560 Lumens, 7 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X614-40)	131.60	47.18
	For >50 To 100, Deduct	-5.06	
	For >100 To 250, Deduct	-8.35	
	For >250 To 500, Deduct	-13.16	
	For >500, Deduct	-17.97	
26 51 19 00-0609	EA 14" Diameter, 1,120 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X614-40)	137.07	47.18
	For >50 To 100, Deduct	-5.20	
	For >100 To 250, Deduct	-8.62	
	For >250 To 500, Deduct	-13.71	
	For >500, Deduct	-18.79	
26 51 19 00-0610	EA 14" Diameter, 1,680 Lumens, 14 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED3X614-40)	142.54	47.18
	For >50 To 100, Deduct	-5.33	
	For >100 To 250, Deduct	-8.90	
	For >250 To 500, Deduct	-14.25	
	For >500, Deduct	-19.61	
26 51 19 00-0611	EA 14" Diameter, 2,240 Lumens, 17 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X614-40)	148.02	47.18
	For >50 To 100, Deduct	-5.47	
	For >100 To 250, Deduct	-9.17	
	For >250 To 500, Deduct	-14.80	
	For >500, Deduct	-20.43	
26 51 19 00-0612	EA 14" Diameter, 3,360 Lumens, 24 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED6X614-40)	158.97	47.18
	For >50 To 100, Deduct	-5.74	
	For >100 To 250, Deduct	-9.72	
	For >250 To 500, Deduct	-15.90	
	For >500, Deduct	-22.08	
26 51 19 00-0613	EA 19" Diameter, 1,060 Lumens, 10 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED1X12S19-30)	164.34	50.93
	For >50 To 100, Deduct	-6.04	
	For >100 To 250, Deduct	-10.15	
	For >250 To 500, Deduct	-16.43	
	For >500, Deduct	-22.72	
26 51 19 00-0614	EA 19" Diameter, 2,120 Lumens, 17 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED4X619-30)	176.78	50.93
	For >50 To 100, Deduct	-6.35	
	For >100 To 250, Deduct	-10.77	
	For >250 To 500, Deduct	-17.68	
	For >500, Deduct	-24.59	
26 51 19 00-0615	EA 19" Diameter, 2,120 Lumens, 17 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED2X12S19-30)	173.75	50.93
	For >50 To 100, Deduct	-6.27	
	For >100 To 250, Deduct	-10.62	
	For >250 To 500, Deduct	-17.38	
	For >500, Deduct	-24.13	
26 51 19 00-0616	EA 19" Diameter, 1,910 Lumens, 18 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED1X12H19-30)	173.70	50.93
	For >50 To 100, Deduct	-6.27	
	For >100 To 250, Deduct	-10.62	
	For >250 To 500, Deduct	-17.37	
	For >500, Deduct	-24.13	
26 51 19 00-0617	EA 19" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30)	187.73	50.93
	For >50 To 100, Deduct	-6.62	
	For >100 To 250, Deduct	-11.32	
	For >250 To 500, Deduct	-18.77	
	For >500, Deduct	-26.23	
26 51 19 00-0618	EA 19" Diameter, 3,160 Lumens, 25 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30)	183.20	50.93
	For >50 To 100, Deduct	-6.51	
	For >100 To 250, Deduct	-11.09	
	For >250 To 500, Deduct	-18.32	
	For >500, Deduct	-25.55	
26 51 19 00-0619	EA 19" Diameter, 4,240 Lumens, 31 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30)	202.17	50.93
	For >50 To 100, Deduct	-6.98	
	For >100 To 250, Deduct	-12.04	
	For >250 To 500, Deduct	-20.22	
	For >500, Deduct	-28.40	
26 51 19 00-0620	EA 19" Diameter, 3,820 Lumens, 32 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED2X12H19-30)	195.99	50.93
	For >50 To 100, Deduct	-6.83	
	For >100 To 250, Deduct	-11.73	
	For >250 To 500, Deduct	-19.60	
	For >500, Deduct	-27.47	
26 51 19 00-0621	EA 19" Diameter, 4,240 Lumens, 32 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED4X12S19-30)	196.04	50.93
	For >50 To 100, Deduct	-6.83	
	For >100 To 250, Deduct	-11.73	
	For >250 To 500, Deduct	-19.60	
	For >500, Deduct	-27.48	
26 51 19 00-0622	EA 19" Diameter, 1,060 Lumens, 10 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED1X12S19-35)	164.34	50.93
	For >50 To 100, Deduct	-6.04	
	For >100 To 250, Deduct	-10.15	
	For >250 To 500, Deduct	-16.43	
	For >500, Deduct	-22.72	
26 51 19 00-0623	EA 19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED4X619-35)	176.78	50.93
	For >50 To 100, Deduct	-6.35	
	For >100 To 250, Deduct	-10.77	
	For >250 To 500, Deduct	-17.68	
	For >500, Deduct	-24.59	
26 51 19 00-0624	EA 19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35)	173.75	50.93
	For >50 To 100, Deduct	-6.27	
	For >100 To 250, Deduct	-10.62	
	For >250 To 500, Deduct	-17.38	
	For >500, Deduct	-24.13	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0625	EA	19" Diameter, 1,910 Lumens, 18 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED1X12H19-35).....	173.70	50.93	
		For >50 To 100, Deduct	-6.27		
		For >100 To 250, Deduct	-10.62		
		For >250 To 500, Deduct	-17.37		
		For >500, Deduct	-24.13		
26 51 19 00-0626	EA	19" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30)	187.73	50.93	
		For >50 To 100, Deduct	-6.62		
		For >100 To 250, Deduct	-11.32		
		For >250 To 500, Deduct	-18.77		
		For >500, Deduct	-26.23		
26 51 19 00-0627	EA	19" Diameter, 3,160 Lumens, 25 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30).....	183.20	50.93	
		For >50 To 100, Deduct	-6.51		
		For >100 To 250, Deduct	-11.09		
		For >250 To 500, Deduct	-18.32		
		For >500, Deduct	-25.55		
26 51 19 00-0628	EA	19" Diameter, 4,240 Lumens, 31 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30)	202.17	50.93	
		For >50 To 100, Deduct	-6.98		
		For >100 To 250, Deduct	-12.04		
		For >250 To 500, Deduct	-20.22		
		For >500, Deduct	-28.40		
26 51 19 00-0629	EA	19" Diameter, 3,820 Lumens, 32 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12H19-35).....	195.99	50.93	
		For >50 To 100, Deduct	-6.83		
		For >100 To 250, Deduct	-11.73		
		For >250 To 500, Deduct	-19.60		
		For >500, Deduct	-27.47		
26 51 19 00-0630	EA	19" Diameter, 4,240 Lumens, 32 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED4X12S19-35).....	196.04	50.93	
		For >50 To 100, Deduct	-6.83		
		For >100 To 250, Deduct	-11.73		
		For >250 To 500, Deduct	-19.60		
		For >500, Deduct	-27.48		
26 51 19 00-0631	EA	19" Diameter, 1,100 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12S19-40).....	164.34	50.93	
		For >50 To 100, Deduct	-6.04		
		For >100 To 250, Deduct	-10.15		
		For >250 To 500, Deduct	-16.43		
		For >500, Deduct	-22.72		
26 51 19 00-0632	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35).....	176.78	50.93	
		For >50 To 100, Deduct	-6.35		
		For >100 To 250, Deduct	-10.77		
		For >250 To 500, Deduct	-17.68		
		For >500, Deduct	-24.59		
26 51 19 00-0633	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35).....	173.75	50.93	
		For >50 To 100, Deduct	-6.27		
		For >100 To 250, Deduct	-10.62		
		For >250 To 500, Deduct	-17.38		
		For >500, Deduct	-24.13		
26 51 19 00-0634	EA	19" Diameter, 2,000 Lumens, 18 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12H19-40).....	173.70	50.93	
		For >50 To 100, Deduct	-6.27		
		For >100 To 250, Deduct	-10.62		
		For >250 To 500, Deduct	-17.37		
		For >500, Deduct	-24.13		
26 51 19 00-0635	EA	19" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30)	187.73	50.93	
		For >50 To 100, Deduct	-6.62		
		For >100 To 250, Deduct	-11.32		
		For >250 To 500, Deduct	-18.77		
		For >500, Deduct	-26.23		
26 51 19 00-0636	EA	19" Diameter, 3,160 Lumens, 25 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30).....	183.20	50.93	
		For >50 To 100, Deduct	-6.51		
		For >100 To 250, Deduct	-11.09		
		For >250 To 500, Deduct	-18.32		
		For >500, Deduct	-25.55		
26 51 19 00-0637	EA	19" Diameter, 4,240 Lumens, 31 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30)	202.17	50.93	
		For >50 To 100, Deduct	-6.98		
		For >100 To 250, Deduct	-12.04		
		For >250 To 500, Deduct	-20.22		
		For >500, Deduct	-28.40		
26 51 19 00-0638	EA	19" Diameter, 4,000 Lumens, 32 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X12H19-40).....	195.99	50.93	
		For >50 To 100, Deduct	-6.83		
		For >100 To 250, Deduct	-11.73		
		For >250 To 500, Deduct	-19.60		
		For >500, Deduct	-27.47		
26 51 19 00-0639	EA	19" Diameter, 4,400 Lumens, 32 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X12S19-40).....	196.04	50.93	
		For >50 To 100, Deduct	-6.83		
		For >100 To 250, Deduct	-11.73		
		For >250 To 500, Deduct	-19.60		
		For >500, Deduct	-27.48		
26 51 19 00-0640	EA	19" Diameter, 1,120 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12S19-50).....	164.34	50.93	
		For >50 To 100, Deduct	-6.04		
		For >100 To 250, Deduct	-10.15		
		For >250 To 500, Deduct	-16.43		
		For >500, Deduct	-22.72		
26 51 19 00-0641	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35).....	176.78	50.93	
		For >50 To 100, Deduct	-6.35		
		For >100 To 250, Deduct	-10.77		
		For >250 To 500, Deduct	-17.68		
		For >500, Deduct	-24.59		
26 51 19 00-0642	EA	19" Diameter, 2,240 Lumens, 17 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X12S19-50).....	173.75	50.93	
		For >50 To 100, Deduct	-6.27		
		For >100 To 250, Deduct	-10.62		
		For >250 To 500, Deduct	-17.38		
		For >500, Deduct	-24.13		

26 Electrical**26 50 Lighting****26 51 Interior Lighting**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 51 19 00-0643	EA 19" Diameter, 2,010 Lumens, 18 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12H19-50).....	173.70		50.93
	For >50 To 100, Deduct	-6.27		
	For >100 To 250, Deduct	-10.62		
	For >250 To 500, Deduct	-17.37		
	For >500, Deduct	-24.13		
26 51 19 00-0644	EA 19" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30)	187.73		50.93
	For >50 To 100, Deduct	-6.62		
	For >100 To 250, Deduct	-11.32		
	For >250 To 500, Deduct	-18.77		
	For >500, Deduct	-26.23		
26 51 19 00-0645	EA 19" Diameter, 3,160 Lumens, 25 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30).....	183.20		50.93
	For >50 To 100, Deduct	-6.51		
	For >100 To 250, Deduct	-11.09		
	For >250 To 500, Deduct	-18.32		
	For >500, Deduct	-25.55		
26 51 19 00-0646	EA 19" Diameter, 4,240 Lumens, 31 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30)	202.17		50.93
	For >50 To 100, Deduct	-6.98		
	For >100 To 250, Deduct	-12.04		
	For >250 To 500, Deduct	-20.22		
	For >500, Deduct	-28.40		
26 51 19 00-0647	EA 19" Diameter, 4,020 Lumens, 32 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X12H19-50).....	195.99		50.93
	For >50 To 100, Deduct	-6.83		
	For >100 To 250, Deduct	-11.73		
	For >250 To 500, Deduct	-19.60		
	For >500, Deduct	-27.47		
26 51 19 00-0648	EA 19" Diameter, 4,480 Lumens, 32 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X12S19-50).....	196.04		50.93
	For >50 To 100, Deduct	-6.83		
	For >100 To 250, Deduct	-11.73		
	For >250 To 500, Deduct	-19.60		
	For >500, Deduct	-27.48		
26 51 19 00-0649	Ceiling Mounted, LED Mushroom Fixtures (Mobern) (26 51 19 00-0575)			
26 51 19 00-0650	EA 14" Diameter, 800 Lumens, 12 Watt, LED Ceiling Fixture (Mobern 6814LED12MV30).....	190.31		47.18
	For >50 To 100, Deduct	-6.53		
	For >100 To 250, Deduct	-11.29		
	For >250 To 500, Deduct	-19.03		
	For >500, Deduct	-26.78		
26 51 19 00-0651	Ceiling Mounted, LED Fixtures (Sylvania) (26 51 19 00-0575)			
26 51 19 00-0652	EA 12.5" x 12.5" x 2.32" Deep, 4,200 Lumens, 35 Watt, LED Garage Light Fixture (Sylvania GARAG1/035UNVD740/G5/SV/D)	721.52		50.93
	For >50 To 100, Deduct	-19.97		
	For >100 To 250, Deduct	-38.01		
	For >250 To 500, Deduct	-72.15		
	For >500, Deduct	-106.30		
26 51 19 00-0653	EA 2' x 2', 32 Watt, 120-277 Volt, 4000K CCT, LED, Grid Mount Edge-Lit Panel With Surface Mount Kit, White (Sylvania PANELF1A/032UNVD840/22G/WH + SMK1T1A/24A/WH)	275.21		42.89
	For >50 To 100, Deduct	-8.49		
	For >100 To 250, Deduct	-15.37		
	For >250 To 500, Deduct	-27.52		
	For >500, Deduct	-39.67		
26 51 19 00-0654	EA 2' x 4', 32 Watt, 120-277 Volt, 3500K CCT, LED, Grid Mount Edge-Lit Panel With Surface Mount Kit, White (Sylvania PANELF1A/032UNVD835/24G/WH + SMK1T1A/24A/WH)	342.95		49.97
	For >50 To 100, Deduct	-10.45		
	For >100 To 250, Deduct	-19.02		
	For >250 To 500, Deduct	-34.30		
	For >500, Deduct	-49.57		
26 51 19 00-0655	EA 2' x 4', 32 Watt, 120-277 Volt, 4000K CCT, LED, Grid Mount Edge-Lit Panel With Surface Mount Kit, White (Sylvania PANELF1A/032UNVD840/24G/WH + SMK1T1A/24A/WH)	347.04		49.97
	For >50 To 100, Deduct	-10.55		
	For >100 To 250, Deduct	-19.23		
	For >250 To 500, Deduct	-34.70		
	For >500, Deduct	-50.18		
26 51 19 00-0656	Refrigeration/Display LED Fixtures (26 51 19 00-0001)			
26 51 19 00-0657	Refrigeration/Display LED Fixtures (Lithonia) (26 51 19 00-0656)			
	Note: Fixtures exclude driver.			
26 51 19 00-0658	EA 5' Length, Center Mount, Refrigeration/Display, Vertical LED Fixture (Lithonia FSV5 CM)	281.93		49.97
	For >50 To 100, Deduct	-8.92		
	For >100 To 250, Deduct	-15.97		
	For >250 To 500, Deduct	-28.19		
	For >500, Deduct	-40.41		
26 51 19 00-0659	EA 5' Length, Left And Right Mount (Pair), Refrigeration/Display, Vertical LED Fixture (Lithonia FSVDRVL RLEM DLC).....	367.26		88.46
	For >50 To 100, Deduct	-12.53		
	For >100 To 250, Deduct	-21.71		
	For >250 To 500, Deduct	-36.73		
	For >500, Deduct	-51.74		
26 51 19 00-0660	EA Up To 5 Door Configuration, LED Driver For Refrigeration/Display, Vertical LED Fixtures (Lithonia FSVDRVL)	336.27		70.78
	For >50 To 100, Deduct	-11.09		
	For >100 To 250, Deduct	-19.49		
	For >250 To 500, Deduct	-33.63		
	For >500, Deduct	-47.76		
26 51 19 00-0661	Recessed T-Bar LED Fixtures (26 51 19 00-0001)			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST

26 51 19 00-0662			Recessed T-Bar LED Fixtures (Axis) (26 51 19 00-0661)		
26 51 19 00-0663	EA		2' x 4' Recessed, T-Bar LED Light Fixture (Axis AULED-24-4500-80-40-SO-W-UNV-DP-1-TB15-EN).....	742.99	55.17
26 51 19 00-0664	EA		2' x 2' Recessed, T-Bar LED Light Fixture (Axis AULED-22-4500-80-40-SO-W-UNV-DP-1-TB15-EN).....	588.92	46.95
26 51 19 00-0665	EA		Single Face, Edge-Lit LED Exit Light With Battery (Lithonia LRP-W-1-RW-120/277-ELN)	361.80	55.17
26 51 19 00-0666	EA		7' SU-3E Sensor Cable (LumaWatt Pro LWP-CBL-3-7F)	45.07	4.69
26 51 19 00-0667	EA		50' SU-3E Sensor Cable (LumaWatt Pro LWP-CBL-3-50F)	219.33	5.87
26 51 19 00-0668	EA		Control Unit (LumaWatt Pro LWP-CU-3E-1R)	223.98	29.35
			Note: Interface with sensors to a ballast or driver		
26 51 19 00-0669	EA		Gateway (LumaWatt Pro LWP-GW-2-01).....	298.83	29.35
			Note: Intermediary device between the energy manager and the control network		
26 51 19 00-0670	EA		Compact Sensor, Flush Mount (LumaWatt Pro LWP-SU-4E-01).....	201.94	23.47
26 51 19 00-0671	EA		Wireless Wall Station (LumaWatt Pro LWP-WS-2-00).....	306.71	35.21

26 51 19 00-0672			Pendant Mount, LED Fixtures (26 51 19 00-0001)		
26 51 19 00-0673			Pendant Mount, Circular Architectural LED Fixtures (Delray Lighting) (26 51 19 00-0672)		
26 51 19 00-0674	EA		2,166 Lumens, 2' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC2 W W35 S).....	2,662.95	109.38
			For >50 To 100, Deduct	-71.13	
			For >100 To 250, Deduct	-137.70	
			For >250 To 500, Deduct	-266.30	
			For >500, Deduct	-394.89	
26 51 19 00-0675	EA		3,250 Lumens, 3' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC3 W W35 S).....	4,029.90	115.81
			For >50 To 100, Deduct	-105.57	
			For >100 To 250, Deduct	-206.32	
			For >250 To 500, Deduct	-402.99	
			For >500, Deduct	-599.66	
26 51 19 00-0676	EA		4,333 Lumens, 4' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC4 W W35 S).....	5,150.81	122.24
			For >50 To 100, Deduct	-133.86	
			For >100 To 250, Deduct	-262.63	
			For >250 To 500, Deduct	-515.08	
			For >500, Deduct	-767.53	
26 51 19 00-0677	EA		5,416 Lumens, 5' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC5 W W35 S).....	6,517.77	128.68
			For >50 To 100, Deduct	-168.31	
			For >100 To 250, Deduct	-331.25	
			For >250 To 500, Deduct	-651.78	
			For >500, Deduct	-972.30	
26 51 19 00-0678	EA		2,166 Lumens, 2' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC2 S W35 S).....	2,825.61	109.38
			For >50 To 100, Deduct	-75.20	
			For >100 To 250, Deduct	-145.84	
			For >250 To 500, Deduct	-282.56	
			For >500, Deduct	-419.28	
26 51 19 00-0679	EA		3,250 Lumens, 3' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC3 S W35 S).....	4,245.44	115.81
			For >50 To 100, Deduct	-110.96	
			For >100 To 250, Deduct	-217.10	
			For >250 To 500, Deduct	-424.54	
			For >500, Deduct	-631.99	
26 51 19 00-0680	EA		4,333 Lumens, 4' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC4 S W35 S).....	5,368.38	122.24
			For >50 To 100, Deduct	-139.30	
			For >100 To 250, Deduct	-273.51	
			For >250 To 500, Deduct	-536.84	
			For >500, Deduct	-800.16	
26 51 19 00-0681	EA		5,416 Lumens, 5' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC5 S W35 S).....	6,761.77	128.68
			For >50 To 100, Deduct	-174.41	
			For >100 To 250, Deduct	-343.45	
			For >250 To 500, Deduct	-676.18	
			For >500, Deduct	-1,008.90	

26 51 19 00-0682			Pendant Mount, LED Commercial Fixtures (DMF) (26 51 19 00-0672)		
26 51 19 00-0683	EA		3,000 Lumens, 18-1/4" Diameter, Pendant Mount, LED Commercial Fixture (DMF DP610LED)	1,028.33	64.34
			For >50 To 100, Deduct	-28.39	
			For >100 To 250, Deduct	-54.10	
			For >250 To 500, Deduct	-102.83	
			For >500, Deduct	-151.57	

26 51 19 00-0684			LED Track Lighting (26 51 19 00-0001)		
26 51 19 00-0685			Track Lighting Tracks (26 51 19 00-0684)		
26 51 19 00-0686	LF		1 Circuit Track Lighting Track.....	23.70	7.75
			For >50 To 100, Deduct	-0.86	
			For >100 To 250, Deduct	-1.45	
			For >250 To 500, Deduct	-2.37	
			For >500, Deduct	-3.29	
26 51 19 00-0687	LF		2 Circuit Track Lighting Track.....	30.64	7.75
			For >50 To 100, Deduct	-1.06	
			For >100 To 250, Deduct	-1.83	
			For >250 To 500, Deduct	-3.06	
			For >500, Deduct	-4.30	

26 Electrical**26 50 Lighting****26 51 Interior Lighting**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 51 19 00-0688	LF 3 Circuit Track Lighting Track	36.57		7.75
	For >50 To 100, Deduct	-1.24		
	For >100 To 250, Deduct	-2.15		
	For >250 To 500, Deduct	-3.66		
	For >500, Deduct	-5.16		
26 51 19 00-0689	LF 4 Circuit Track Lighting Track	42.51		9.39
	For >50 To 100, Deduct	-1.41		
	For >100 To 250, Deduct	-2.48		
	For >250 To 500, Deduct	-4.25		
	For >500, Deduct	-6.02		
26 51 19 00-0690	LED Track Lighting Fixtures (26 51 19 00-0684)			
26 51 19 00-0691	EA 19 Watt, Dimmable, LED Track Lighting Fixture (Juno® TRAC-MASTER® Cylindra™)	200.05		19.60
	For >50 To 100, Deduct	-5.74		
	For >100 To 250, Deduct	-10.74		
	For >250 To 500, Deduct	-20.01		
	For >500, Deduct	-29.27		
26 51 19 00-0692	EA 18 Watt, Dimmable, LED Track Lighting Fixture (HALO® Stasis L805MED)	348.70		19.60
	For >50 To 100, Deduct	-9.45		
	For >100 To 250, Deduct	-18.17		
	For >250 To 500, Deduct	-34.87		
	For >500, Deduct	-51.57		
26 51 19 00-0693	EA 24 Watt, Dimmable, LED Track Lighting Fixture (Amerlux CNTRV33)	205.69		19.60
	For >50 To 100, Deduct	-5.88		
	For >100 To 250, Deduct	-11.02		
	For >250 To 500, Deduct	-20.57		
	For >500, Deduct	-30.12		
26 51 19 00-0694	Track Lighting Accessories (26 51 19 00-0684)			
26 51 19 00-0695	Pendant Mounting (26 51 19 00-0694)			
26 51 19 00-0696	EA Track Lighting Pendant Mounting, Up to 12"	26.34		
	For >50 To 100, Deduct	-1.10		
	For >100 To 250, Deduct	-1.76		
	For >250 To 500, Deduct	-2.63		
	For >500, Deduct	-3.51		
26 51 19 00-0697	EA Track Lighting Pendant Mounting, >12" To 24"	33.64		
	For >50 To 100, Deduct	-1.34		
	For >100 To 250, Deduct	-2.18		
	For >250 To 500, Deduct	-3.36		
	For >500, Deduct	-4.55		
26 51 19 00-0698	EA Track Lighting Pendant Mounting, >24" To 36"	40.94		
	For >50 To 100, Deduct	-1.61		
	For >100 To 250, Deduct	-2.63		
	For >250 To 500, Deduct	-4.09		
	For >500, Deduct	-5.55		
26 51 23	HID Interior Lighting (26 51)			
26 51 23 00-0001	Large Interior Area Fixtures (26 51 23)			
26 51 23 00-0002	Recessed Mounted, Large Interior Area Fixtures (26 51 23 00-0001)			
	Note: Cast aluminum socket housing, anodized aluminum reflector, tempered glass or acrylic lens, plaster mounting frames and brackets.			
26 51 23 00-0003	High Pressure Sodium, Recessed Mounted, Large Interior Area Fixtures (26 51 23 00-0002)			
26 51 23 00-0004	EA 150 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture	470.99		125.12
	For Instant Quartz Restrike, Add	60.00		
	For Wire Guard, Add	40.50		
26 51 23 00-0005	EA 250 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture	490.31		132.86
	For Instant Quartz Restrike, Add	60.00		
	For Wire Guard, Add	40.50		
26 51 23 00-0006	EA 400 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture	512.29		151.65
	For Instant Quartz Restrike, Add	60.00		
	For Wire Guard, Add	40.50		
26 51 23 00-0007	Metal Halide, Recessed Mounted, Large Interior Area Fixtures (26 51 23 00-0002)			
26 51 23 00-0008	EA 150 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture	480.02		125.12
	For Instant Quartz Restrike, Add	60.00		
	For Wire Guard, Add	40.50		
26 51 23 00-0009	EA 250 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture	494.12		132.86
	For Instant Quartz Restrike, Add	60.00		
	For Wire Guard, Add	40.50		
26 51 23 00-0010	EA 400 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture	525.28		151.65
	For Instant Quartz Restrike, Add	60.00		
	For Wire Guard, Add	40.50		
26 51 23 00-0011	Low Bay Fixtures, Large Interior Area Fixtures (26 51 23 00-0001)			
	Note: Heavy-duty steel housing, aluminum reflector, tempered glass or acrylic lens. Low bay fixtures are for mounting below 20-25 feet.			
26 51 23 00-0012	High Pressure Sodium, Low Bay Fixtures (26 51 23 00-0011)			

			Electrical		26
			Lighting		26 50
			Interior Lighting		26 51
MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
			UNIT COST	UNIT COST	
26 51 23 00-0013	EA	150 Watt High Pressure Sodium, Low Bay Fixture.....	458.29	114.31	
		For Instant Quartz Restrike, Add	60.00		
		For Enclosed And Gasketed, Add	75.47		
		For Glass Or Acrylic Reflector, Add	90.00		
		For Wire Guard, Add	40.50		
26 51 23 00-0014	EA	250 Watt High Pressure Sodium, Low Bay Fixture.....	470.75	121.39	
		For Instant Quartz Restrike, Add	60.00		
		For Enclosed And Gasketed, Add	75.47		
		For Glass Or Acrylic Reflector, Add	90.00		
		For Wire Guard, Add	40.50		
26 51 23 00-0015	EA	400 Watt High Pressure Sodium, Low Bay Fixture.....	498.15	138.54	
		For Instant Quartz Restrike, Add	60.00		
		For Enclosed And Gasketed, Add	75.47		
		For Glass Or Acrylic Reflector, Add	90.00		
		For Wire Guard, Add	40.50		
26 51 23 00-0016 Metal Halide, Low Bay Fixtures (26 51 23 00-0011)					
26 51 23 00-0017	EA	175 Watt Metal Halide, Low Bay Fixture.....	452.21	114.31	
		For Instant Quartz Restrike, Add	60.00		
		For Enclosed And Gasketed, Add	75.47		
		For Glass Or Acrylic Reflector, Add	90.00		
		For Wire Guard, Add	40.50		
26 51 23 00-0018	EA	250 Watt Metal Halide, Low Bay Fixture.....	463.85	121.39	
		For Instant Quartz Restrike, Add	60.00		
		For Enclosed And Gasketed, Add	75.47		
		For Glass Or Acrylic Reflector, Add	90.00		
		For Wire Guard, Add	40.50		
26 51 23 00-0019	EA	400 Watt Metal Halide, Low Bay Fixture.....	502.38	138.54	
		For Instant Quartz Restrike, Add	60.00		
		For Enclosed And Gasketed, Add	75.47		
		For Glass Or Acrylic Reflector, Add	90.00		
		For Wire Guard, Add	40.50		
26 51 23 00-0020 High Bay Fixtures, Large Interior Area Fixtures (26 51 23 00-0001)					
Note: High bay fixtures are for mounting above 20-25 feet. See CSI section 01 22 23 00-0001 for lifts.					
26 51 23 00-0021 High Pressure Sodium, High Bay Fixtures (26 51 23 00-0020)					
Note: Includes heavy-duty steel housing and aluminum reflector. Excludes lens.					
26 51 23 00-0022	EA	250 Watt High Pressure Sodium, High Bay Fixture.....	421.11	121.39	
		For Instant Quartz Restrike, Add	60.00		
		For Ballast Safety Chain, Add	12.13		
		For Security Chain, Add	19.34		
		For Tempered Glass Or Acrylic Lens, Add	60.50		
		For Glass Or Acrylic Reflector, Add	90.00		
		For Wire Guard, Add	40.50		
		For Polycarbonate Lens, Add	47.75		
		For Optical Safety Chain, Add	7.47		
26 51 23 00-0023	EA	400 Watt High Pressure Sodium, High Bay Fixture.....	453.76	138.54	
		For Instant Quartz Restrike, Add	60.00		
		For Ballast Safety Chain, Add	12.13		
		For Security Chain, Add	19.34		
		For Tempered Glass Or Acrylic Lens, Add	60.50		
		For Glass Or Acrylic Reflector, Add	90.00		
		For Wire Guard, Add	40.50		
		For Polycarbonate Lens, Add	47.75		
		For Optical Safety Chain, Add	7.47		
26 51 23 00-0024	EA	1,000 Watt High Pressure Sodium, High Bay Fixture.....	668.67	145.72	
		For Instant Quartz Restrike, Add	60.00		
		For Ballast Safety Chain, Add	12.13		
		For Security Chain, Add	19.34		
		For Tempered Glass Or Acrylic Lens, Add	60.50		
		For Glass Or Acrylic Reflector, Add	90.00		
		For Wire Guard, Add	40.50		
		For Polycarbonate Lens, Add	47.75		
		For Optical Safety Chain, Add	7.47		
26 51 23 00-0025 Metal Halide, High Bay Fixtures (26 51 23 00-0020)					
Note: Includes heavy-duty steel housing and aluminum reflector. Excludes lens.					
26 51 23 00-0026	EA	250 Watt Metal Halide, High Bay Fixture.....	390.89	121.39	
		For Instant Quartz Restrike, Add	60.00		
		For Ballast Safety Chain, Add	12.13		
		For Security Chain, Add	19.34		
		For Tempered Glass Or Acrylic Lens, Add	60.50		
		For Glass Or Acrylic Reflector, Add	90.00		
		For Wire Guard, Add	40.50		
		For Polycarbonate Lens, Add	47.75		
		For Optical Safety Chain, Add	7.47		
26 51 23 00-0027	EA	400 Watt Metal Halide, High Bay Fixture.....	429.22	138.54	
		For Instant Quartz Restrike, Add	60.00		
		For Ballast Safety Chain, Add	12.13		
		For Security Chain, Add	19.34		
		For Tempered Glass Or Acrylic Lens, Add	60.50		
		For Glass Or Acrylic Reflector, Add	90.00		
		For Wire Guard, Add	40.50		
		For Polycarbonate Lens, Add	47.75		
		For Optical Safety Chain, Add	7.47		

26 Electrical**26 50 Lighting****26 51 Interior Lighting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 51 23 00-0028	EA	1,000 Watt Metal Halide, High Bay Fixture	562.80	145.72
		For Instant Quartz Restrike, Add	60.00	
		For Ballast Safety Chain, Add	12.13	
		For Security Chain, Add	19.34	
		For Tempered Glass Or Acrylic Lens, Add	60.50	
		For Glass Or Acrylic Reflector, Add	90.00	
		For Wire Guard, Add	40.50	
		For Polycarbonate Lens, Add	47.75	
		For Optical Safety Chain, Add	7.47	

26 51 23 00-0029 Induction, High Bay Fixtures (26 51 23 00-0020)**26 51 23 00-0030 Induction, High Bay Fixtures (Everlast®)** (26 51 23 00-0029)

Note: Includes die cast aluminum ballast casing and acrylic lens.

26 51 23 00-0031	EA	100 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	481.22	106.16
		For Impact Resistant Silicon Lens, Add	20.00	
26 51 23 00-0032	EA	120 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	515.98	109.70
		For Impact Resistant Silicon Lens, Add	20.00	
26 51 23 00-0033	EA	150 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	525.39	113.24
		For Impact Resistant Silicon Lens, Add	20.00	
26 51 23 00-0034	EA	200 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	572.31	116.78
		For Impact Resistant Silicon Lens, Add	20.00	
26 51 23 00-0035	EA	250 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	586.79	120.32
		For Impact Resistant Silicon Lens, Add	20.00	
26 51 23 00-0036	EA	100 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	516.69	106.16
		For Impact Resistant Silicon Lens, Add	20.00	
26 51 23 00-0037	EA	120 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	551.45	109.70
		For Impact Resistant Silicon Lens, Add	20.00	
26 51 23 00-0038	EA	150 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	560.87	113.24
		For Impact Resistant Silicon Lens, Add	20.00	
26 51 23 00-0039	EA	200 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	607.78	116.78
		For Impact Resistant Silicon Lens, Add	20.00	
26 51 23 00-0040	EA	250 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	622.26	120.32
		For Impact Resistant Silicon Lens, Add	20.00	

26 51 23 00-0041 Ceiling Mounted, Large Interior Area Fixtures (26 51 23 00-0001)

Note: Heavy-duty aluminum housing, aluminum reflector, acrylic drop dish lens, fully gasketed.

26 51 23 00-0042 High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixtures (26 51 23 00-0041)

26 51 23 00-0043	EA	100 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	357.90	81.34
		For Instant Quartz Restrike, Add	60.00	
		For Wire Guard, Add	40.50	
		For Polycarbonate Lens, Add	47.75	
26 51 23 00-0044	EA	150 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	683.34	81.34
		For Instant Quartz Restrike, Add	60.00	
		For Wire Guard, Add	40.50	
		For Polycarbonate Lens, Add	47.75	
26 51 23 00-0045	EA	250 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	786.11	81.34
		For Instant Quartz Restrike, Add	60.00	
		For Wire Guard, Add	40.50	
		For Polycarbonate Lens, Add	47.75	
26 51 23 00-0046	EA	400 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	1,053.64	81.34
		For Instant Quartz Restrike, Add	60.00	
		For Wire Guard, Add	40.50	
		For Polycarbonate Lens, Add	47.75	

26 51 23 00-0047 Metal Halide, Ceiling Mounted, Large Interior Area Fixtures (26 51 23 00-0041)

26 51 23 00-0048	EA	100 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture	309.19	81.34
		For Instant Quartz Restrike, Add	60.00	
		For Wire Guard, Add	40.50	
		For Polycarbonate Lens, Add	47.75	
26 51 23 00-0049	EA	175 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture	324.80	90.26
		For Instant Quartz Restrike, Add	60.00	
		For Wire Guard, Add	40.50	
		For Polycarbonate Lens, Add	47.75	
26 51 23 00-0050	EA	250 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture	345.27	97.77
		For Instant Quartz Restrike, Add	60.00	
		For Wire Guard, Add	40.50	
		For Polycarbonate Lens, Add	47.75	
26 51 23 00-0051	EA	400 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture	387.06	116.44
		For Instant Quartz Restrike, Add	60.00	
		For Wire Guard, Add	40.50	
		For Polycarbonate Lens, Add	47.75	

26 51 23 00-0052 High Pressure Sodium, Recessed Fixture Housings (26 51 23)

26 51 23 00-0053	EA	4" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing	163.38	33.81
		For ICAT Housing, Add	14.56	
26 51 23 00-0054	EA	5" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing	170.92	33.81
		For ICAT Housing, Add	15.54	
26 51 23 00-0055	EA	6" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing	179.54	35.21
		For ICAT Housing, Add	16.35	
26 51 23 00-0056	EA	7" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing	186.00	36.73
		For ICAT Housing, Add	16.88	
26 51 23 00-0057	EA	8" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing	192.39	38.27
		For ICAT Housing, Add	17.40	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 23 00-0058	EA	10" To 12" Square, High Pressure Sodium, T Or ICT Recessed Fixture Housing <i>For ICAT Housing, Add</i>	197.91 17.66	40.61
26 51 23 00-0059		Metal Halide Track Lighting Fixtures (26 51 23)		
26 51 23 00-0060	EA	Metal Halide Track Lighting Fixture	106.63	19.60
26 51 23 00-0061		Metal Halide, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures (26 51 23)		
26 51 23 00-0062	EA	75 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture <i>For Wall Mounted, Add</i>	169.87 6.30	46.95
26 51 23 00-0063	EA	100 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture <i>For Wall Mounted, Add</i>	174.96 6.30	46.95
26 51 23 00-0064	EA	150 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture <i>For Wall Mounted, Add</i>	185.29 6.30	46.95
26 51 23 00-0065	EA	175 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture <i>For Wall Mounted, Add</i>	200.83 6.30	46.95
26 51 23 00-0066		High Pressure Sodium, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures (26 51 23)		
26 51 23 00-0067	EA	70 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture <i>For Wall Mounted, Add</i>	157.76 6.67	46.95
26 51 23 00-0068	EA	100 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture <i>For Wall Mounted, Add</i>	164.08 6.67	46.95
26 51 23 00-0069	EA	150 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture <i>For Wall Mounted, Add</i>	188.51 6.67	46.95
26 51 33		Interior Lighting Accessories (26 51)		
26 51 33 00-0001		Accessories And Modifiers For Fixtures (26 51 33)		
26 51 33 00-0002		Lens Modifications (26 51 33 00-0001)		
26 51 33 00-0003	EA	For 1' x 2' Drop Dish Diffuser Instead Of Prismatic Lens, Add.....	38.81	
26 51 33 00-0004	EA	For 1' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add.....	47.94	
26 51 33 00-0005	EA	For 2' x 2' Drop Dish Diffuser Instead Of Prismatic Lens, Add.....	50.23	
26 51 33 00-0006	EA	For 2' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add.....	54.79	
26 51 33 00-0007	EA	For 4' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add.....	66.21	
26 51 33 00-0008	EA	For 1' x 2' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add.....	15.98	
26 51 33 00-0009	EA	For 1' x 4' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add.....	22.83	
26 51 33 00-0010	EA	For 2' x 2' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add.....	25.11	
26 51 33 00-0011	EA	For 2' x 4' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add.....	29.68	
26 51 33 00-0012		Pendant Mounting Modifications (26 51 33 00-0001)		
		Note: Per pendant. Use demolition cost for associated light fixture for demolition of pendant mounted light fixture assembly.		
26 51 33 00-0013	EA	For Pendant Mounting Up to 1'-6" Long Section..... Note: Per pendant.	17.35	
26 51 33 00-0014	EA	For Pendant Mounting 2' Long Section..... Note: Per pendant.	20.09	
26 51 33 00-0015	EA	For Pendant Mounting 3' Long Section..... Note: Per pendant.	25.71	
26 51 33 00-0016	EA	For Pendant Mounting 4' Long Section..... Note: Per pendant.	30.36	
26 51 33 00-0017	EA	For Pendant Mounting 6' Long Section..... Note: Per pendant.	38.35	
26 51 33 00-0018	EA	For Pendant Mounting 8' Long Section..... Note: Per pendant.	52.05	
26 51 33 00-0019		Fluorescent Light Accessories (26 51 33 00-0001)		
26 51 33 00-0020	EA	Blank Metal Light Box Plate	30.98	
26 51 33 00-0021	EA	Factory Installed Fixture Mounted Occupancy Sensor	175.77	
26 51 33 00-0022		Wire Guards (26 51 33 00-0001)		
26 51 33 00-0023	EA	Wire Guard for 6" x 2' Fixture.....	72.79	5.88
26 51 33 00-0024	EA	Wire Guard for 6" x 4' Fixture.....	101.81	9.41
26 51 33 00-0025	EA	Wire Guard for 1" x 2' Fixture.....	81.29	6.47
26 51 33 00-0026	EA	Wire Guard for 1" x 4' Fixture.....	115.20	9.99
26 51 33 00-0027	EA	Wire Guard for 2" x 2' Fixture.....	99.56	7.06
26 51 33 00-0028	EA	Wire Guard for 2" x 4' Fixture.....	135.90	10.58
26 51 33 00-0029		Lighting Accessories (26 51 33)		
26 51 33 00-0030		Modular Flexible Wiring Systems (26 51 33 00-0029)		
26 51 33 00-0031	EA	10' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-10)	104.29	6.33
26 51 33 00-0032	EA	15' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-15)	124.55	6.33
26 51 33 00-0033	EA	20' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-20)	151.10	6.33
26 51 33 00-0034	EA	15' Length, 2-Circuit, Modular Lighting Cable (Day-Brite LC-27-2E-15)	124.55	6.33

26	26	Electrical
	26 50	Lighting
	26 51	Interior Lighting

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 51 33 00-0035	EA		3 Out, 3-Circuit, Modular Lighting Interface (Day-Brite LI-27-3E)	101.09	6.33
26 51 33 00-0036	EA		13' Length, 2-Circuit, Modular Reddy-Connect Cable (Day-Brite RC-27-2D-13)	154.56	6.33
26 51 33 00-0037	EA		3" Length, 2-Circuit, Modular Lighting Adapter (Day-Brite LA-27-7M)	82.82	6.33
26 51 33 00-0038	EA		3" Length, 2-Circuit, Modular Lighting Tap (Day-Brite LT-27-2E)	94.64	6.33
26 51 33 00-0039	EA		7' Length, Single Level, Modular Lighting Switch Unit (Day-Brite LS-27-SL-07)	125.18	6.33
26 51 33 00-0040	EA		7' Length, 1-Circuit Multi-Level, Modular Lighting Switch Unit (Day-Brite LS-27-ML-07)	125.18	6.33
26 51 33 00-0041	EA		7' Length, 2-Circuit Multi-Level, Modular Lighting Switch Unit (Day-Brite LS-27-2C-07)	127.41	6.33
26 51 33 00-0042	EA		7' Length, 1st 3-Way, Modular Lighting Switch Unit (Day-Brite LS-27-3A-07)	126.59	6.33
26 51 33 00-0043	EA		7' Length, 2nd 3-Way, Modular Lighting Switch Unit (Day-Brite LS-27-3B-07)	126.59	6.33
26 51 33 00-0044	EA		15' Length, Single Level, Modular Lighting Switch Unit (Day-Brite LS-27-SL-15)	146.49	6.33
26 51 33 00-0045	EA		3" Length, 2-Circuit, Modular Lighting Adapter (Day-Brite LA-27-4D)	63.69	6.33
26 51 33 00-0046	EA		3" Length, 1-Circuit, Modular Lighting Distribution Cable (Day-Brite LD-27-1E)	59.04	6.33
26 51 33 00-0047	EA		3" Length, 2-Circuit, Modular Lighting Distribution Cable (Day-Brite LD-27-2E)	60.66	6.33
26 51 33 00-0048	EA		3" Length, 1-Circuit, Modular Lighting Tap (Day-Brite LT-27-1E)	77.88	6.33
26 51 33 00-0049	EA		15' Length, 1-Circuit, Modular Lighting Tap (Day-Brite LT-27-1E-15)	104.29	6.33
26 51 33 00-0050	EA		15' Length, 1-Circuit, Modular Lighting Cable (Day-Brite LC-27-1E-15)	107.09	6.33
26 51 33 00-0051	EA		Modular Lighting Junction Or Circuit Splitter (Day-Brite LJ-27-3E)	82.16	6.33
26 51 33 00-0052	EA		3" Length, 1-Circuit, Modular Power Distribution Cable (Day-Brite PD-12-1E)	59.04	6.33
26 51 33 00-0053	EA		Removal And Reinstallation Of Modular Wiring Complete Including Storage And Cleaning.....	52.81	

26 51 33 00-0054	Additional Lighting Wire Whips (26 51 33)				
26 51 33 00-0055	LF		For Each Additional LF Of Interior Lighting Wire Whip, Add	1.90	
Note: Wire whips are included with interior lighting fixtures, where necessary, up to six feet in length. Use this task for additional required whip length. For example, if the fixture requires a 15' wire whip then use 9 LF of this task to reach required length.					

26 51 33 00-0056	Removal And Reinstallation Of Light Fixtures (26 51 33)				
Note: Includes disconnection of wire, on-site storage, general cleaning, installation and electrical wire hook-up.					
26 51 33 00-0057	EA	Removal And Reinstallation Of Lay-In Fluorescent Light Fixture	124.93		
26 51 33 00-0058	EA	Removal And Reinstallation Of Surface Mounted Or Pendant Light Fixture	142.77		

26 52 Safety Lighting (26 50)

26 52 13 Emergency and Exit Lighting (26 52)

26 52 13 13 Emergency Lighting (26 52 13)

26 52 13 13-0001	Commercial Emergency Lights (26 52 13 13)				
26 52 13 13-0002	Polycarbonate Housing, Commercial Emergency Lights (26 52 13 13-0001)				
Note: Includes lead-calcium batteries and two adjustable lamp heads.					
26 52 13 13-0003	EA	3 Max Wattage At 90 Minutes, 3.6 Volt, Polycarbonate Housing, LED Lamps, Commercial Emergency Light (Lithonia ELM2 LED)	250.21	29.35	
26 52 13 13-0004	EA	10.8 Max Wattage At 90 Minutes, 6 Volt, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM2)	169.71	29.35	
		For Self-Diagnostics, Add	87.50		
		For Halogen Lamps, Add	27.55		
26 52 13 13-0005	EA	18 Max Wattage At 90 Minutes, 6 Volt, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM618)	275.06	29.35	
		For Self-Diagnostics, Add	87.50		
		For Halogen Lamps, Add	27.55		
26 52 13 13-0006	EA	27 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM627)	322.75	29.35	
		For Self-Diagnostics, Add	87.50		
		For Halogen Lamps, Add	27.55		
26 52 13 13-0007	EA	54 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM654)	486.64	29.35	
		For Self-Diagnostics, Add	87.50		
		For Halogen Lamps, Add	27.55		
26 52 13 13-0008	EA	54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM1254)	553.17	29.35	
		For Self-Diagnostics, Add	87.50		
		For Halogen Lamps, Add	27.55		
26 52 13 13-0009	EA	72 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM1272)	812.37	29.35	
		For Self-Diagnostics, Add	87.50		
		For Halogen Lamps, Add	27.55		

26 52 13 13-0010	Remote Heads For Commercial Emergency Lights (26 52 13 13-0001)				
Note: For use with fixtures that have remote capability.					
26 52 13 13-0011	EA	6 Watt, 6 Volt, Aluminum Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA MT H0606)	170.15		17.61
26 52 13 13-0012	EA	6 Watt, 6 Volt, Gasketed Fiberglass Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA NX H0606)	171.35		17.61
26 52 13 13-0013	EA	8 Watt, 8 Volt, Gasketed Fiberglass Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA NX H0806)	175.37		17.61
26 52 13 13-0014	EA	12 Watt, 12 Volt, Aluminum Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA MT H1212)	174.72		17.61
26 52 13 13-0015	EA	12 Watt, 12 Volt, Thermoplastic Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA H1212)	150.02		17.61
26 52 13 13-0016	EA	12 Watt, 12 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1206)	100.96		17.61

26 52 13 13-0017	Industrial Emergency Lights (26 52 13 13)				
26 52 13 13-0018	Painted Steel Housing, Industrial Emergency Lights (26 52 13 13-0017)				

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 52 13 13-0019			Painted Steel Housing, Industrial Emergency Lights (26 52 13 13-0018) Note: Includes lead-calcium batteries and two adjustable lamp heads.		
26 52 13 13-0020	EA		16 Max Wattage At 90 Minutes, 6 Volt, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT16).....	450.44	29.35
			<i>For Wireguard, Add</i>	235.71	
26 52 13 13-0021	EA		24 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT24).....	376.01	29.35
			<i>For Wireguard, Add</i>	235.71	
26 52 13 13-0022	EA		36 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT36).....	593.55	29.35
			<i>For Wireguard, Add</i>	235.71	
26 52 13 13-0023	EA		50 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT50).....	631.09	29.35
			<i>For Wireguard, Add</i>	235.71	
26 52 13 13-0024	EA		125 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT125).....	906.42	29.35
			<i>For Wireguard, Add</i>	251.06	
26 52 13 13-0025	EA		275 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT275).....	1,433.12	29.35
			<i>For Wireguard, Add</i>	251.06	

26 52 13 13-0026			Remote Heads For Painted Steel Housing, Industrial Emergency Lights (26 52 13 13-0018) Note: For use with fixtures that have remote capability.		
26 52 13 13-0027	EA		8 Watt, 6 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N0806).....	129.23	17.61
			<i>For Wireguard, Add</i>	190.22	
26 52 13 13-0028	EA		12 Watt, 6 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1206).....	133.91	17.61
			<i>For Wireguard, Add</i>	190.22	
26 52 13 13-0029	EA		8 Watt, 12 Volt, Thermoplastic Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA H0812).....	129.89	17.61
			<i>For Wireguard, Add</i>	190.22	
26 52 13 13-0030	EA		12 Watt, 12 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1212).....	130.65	17.61
			<i>For Wireguard, Add</i>	190.22	
26 52 13 13-0031	EA		12 Watt, 25 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N2512).....	133.91	17.61
			<i>For Wireguard, Add</i>	190.22	
26 52 13 13-0032	EA		12 Watt, 25 Volt, Aluminum Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA MT N2512).....	157.64	17.61
			<i>For Wireguard, Add</i>	190.22	

26 52 13 13-0033			Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights (26 52 13 13-0017)		
26 52 13 13-0034			Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights (26 52 13 13-0033) Note: Includes lead-calcium batteries and two adjustable lamp heads.		
26 52 13 13-0035	EA		18 Max Wattage At 90 Minutes, 6 Volt, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND618).....	444.46	29.35
			<i>For Wireguard, Add</i>	229.18	
			<i>For Self-Diagnostics, Add</i>	105.50	
26 52 13 13-0036	EA		36 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND1236).....	484.18	29.35
			<i>For Wireguard, Add</i>	229.18	
			<i>For Self-Diagnostics, Add</i>	105.50	
26 52 13 13-0037	EA		54 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND654).....	473.30	29.35
			<i>For Wireguard, Add</i>	229.18	
			<i>For Self-Diagnostics, Add</i>	105.50	
26 52 13 13-0038	EA		54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND1254).....	501.05	29.35
			<i>For Wireguard, Add</i>	229.18	
			<i>For Self-Diagnostics, Add</i>	105.50	
26 52 13 13-0039	EA		100 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND12100).....	852.55	29.35
			<i>For Wireguard, Add</i>	229.18	
			<i>For Self-Diagnostics, Add</i>	105.50	
26 52 13 13-0040	EA		18 Max Wattage At 90 Minutes, 6 Volt, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX618).....	667.00	29.35
			<i>For Wireguard, Add</i>	229.18	
			<i>For Self-Diagnostics, Add</i>	61.50	
26 52 13 13-0041	EA		36 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX1236).....	748.62	29.35
			<i>For Wireguard, Add</i>	229.18	
			<i>For Self-Diagnostics, Add</i>	61.50	
26 52 13 13-0042	EA		54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX1254).....	789.97	29.35
			<i>For Wireguard, Add</i>	229.18	
			<i>For Self-Diagnostics, Add</i>	61.50	

26 52 13 13-0043			Remote Heads For Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights (26 52 13 13-0033) Note: For use with fixtures that have remote capability.		
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26	26	Electrical
	26 50	Lighting
	26 52	Safety Lighting



MINOR				TOTAL DIRECT		DEMOLITION
CSI UOM DESCRIPTION				UNIT COST		UNIT COST
26 52 13 13-0044	EA	9 Watt, 6 Volt, Heavyweight Polycarbonate Housing, Krypton Lamp, Emergency Light Remote Head (Lithonia ELA IND K0906)	111.28			17.61
26 52 13 13-0045	EA	12 Watt, 6 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H1206)	120.75			17.61
26 52 13 13-0046	EA	9 Watt, 12 Volt, Heavyweight Polycarbonate Housing, Krypton Lamp, Emergency Light Remote Head (Lithonia ELA IND K0912)	111.39			17.61
26 52 13 13-0047	EA	12 Watt, 12 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H1212)	118.35			17.61
26 52 13 13-0048	EA	12 Watt, 20 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H2012)	100.46			17.61
26 52 13 13-0049		Outdoor Emergency Lights (26 52 13 13)				
26 52 13 13-0050		Gasketed Die-Cast Aluminum Housing, Outdoor Emergency Lights (26 52 13 13-0049) Note: Includes nickel-cadmium batteries.				
26 52 13 13-0051	EA	10 Max Wattage At 90 Minutes, LED Lamps, Gasketed Aluminum Die-Cast Housing, Outdoor Emergency Light (Dual-Lite PG Series)	706.72			29.35
26 52 13 13-0052	EA	10 Max Wattage At 90 Minutes, LED Lamps, Gasketed Aluminum Die-Cast Housing, Outdoor Emergency Light With Heater (Dual-Lite PG Series)	845.47			29.35
26 52 13 13-0053		Recessed Emergency Lights (26 52 13 13)				
26 52 13 13-0054	EA	10 Watt At 90 Minutes, 6 Volt, Halogen Lamp, 8" Round, Recessed High-Hat Emergency Light (Lithonia ELRG) For Wire Guard, Add	771.71 60.00			29.35
26 52 13 13-0055	EA	16 Max Wattage At 90 Minutes, 6 Volt, 12" x 12" Polycarbonate Housing, Glass Sealed-Beam Lamps, Recessed Emergency Light (Lithonia ELR2) Note: Includes lead-calcium batteries and two adjustable lamp heads.	596.44			58.68
26 52 13 13-0056	EA	50 Max Wattage At 90 Minutes, 12 Volt, 12" x 12" Polycarbonate Housing, Glass Sealed-Beam Lamps, Recessed Emergency Light (Lithonia ELR4) Note: Includes lead-calcium batteries and two adjustable lamp heads. For Wireguard, Add	865.35 251.06			58.68
26 52 13 13-0057		Square Wraparound Emergency Lights (26 52 13 13)				
26 52 13 13-0058	EA	10 Max Wattage At 90 Minutes, 6 Volt, Halogen Lamp, 10-5/16" x 10-5/16" Lexan Frame, Square Wraparound Emergency Light (Lithonia ELSQ)	347.58			29.35
26 52 13 13-0059		Emergency Lights (Lithonia) (26 52 13 13)				
26 52 13 13-0060	EA	LED Emergency Light, White Thermoplastic Housing, 2 Adjustable Lamp Heads, 90 Minutes Battery Backup (Lithonia Lighting EU2L M12)	96.33			29.35
26 52 13 13-0061	EA	LED Emergency Light, White Thermoplastic Housing, 2 Adjustable Lamp Heads, 90 Minutes Battery Backup, Remote Capable (Lithonia Lighting EU2L REM M12)	132.41			29.35
26 52 13 16		Exit Signs (26 52 13) Note: Excludes pendants.				
26 52 13 16-0001		LED Exit Signs (26 52 13 16) Note: Includes red LED lamps.				
26 52 13 16-0002	EA	Single Face, Thermoplastic Housing, LED Exit Sign (Lithonia LQM-S-W-3-R-120/277-M6) For Green LED Lamps, Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	195.85 15.00 -7.04 -11.94 -19.59 -27.23			42.90
26 52 13 16-0003	EA	Double Face, Thermoplastic Housing, LED Exit Sign (Lithonia LQM-S-W-3-R-120/277-M6) For Green LED Lamps, Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	195.85 15.00 -7.04 -11.94 -19.59 -27.23			42.90
26 52 13 16-0004	EA	Single Face, Thermoplastic Housing, LED Exit Sign With Battery Back-Up (Lithonia LQM-S-W-3-R-120/277-EL-N-M6) For Green LED Lamps, Add For Self-Diagnostics, Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	278.16 15.00 50.00 -9.10 -16.05 -27.82 -39.58			42.90
26 52 13 16-0005	EA	Double Face, Thermoplastic Housing, LED Exit Sign With Battery Back-Up (Lithonia LQM ELN) For Green LED Lamps, Add For Self-Diagnostics, Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	278.16 15.00 50.00 -9.10 -16.05 -27.82 -39.58			42.90
26 52 13 16-0006	EA	Single Face, Die-Cast Aluminum Housing, LED Exit Sign (Lithonia LQC-W-1-R) For Green LED Lamps, Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	307.58 15.00 -9.83 -17.52 -30.76 -43.99			42.90

		Electrical	26	26
		Lighting	26 50	
		Safety Lighting	26 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 16-0007	EA		Double Face, Die-Cast Aluminum Housing, LED Exit Sign (Lithonia LQC-W-2-R).....	350.49	42.90
			For Green LED Lamps, Add	15.00	
			For >50 To 100, Deduct	-10.91	
			For >100 To 250, Deduct	-19.67	
			For >250 To 500, Deduct	-35.05	
			For >500, Deduct	-50.43	
26 52 13 16-0008	EA		Single Face, Die-Cast Aluminum Housing, LED Exit Sign With Battery Back-Up (Lithonia LQC-W-1-R-EL-N).....	289.64	42.90
			For Green LED Lamps, Add	15.00	
			For Self-Diagnostics, Add	50.00	
			For >50 To 100, Deduct	-9.39	
			For >100 To 250, Deduct	-16.63	
			For >250 To 500, Deduct	-28.96	
			For >500, Deduct	-41.30	
26 52 13 16-0009	EA		Double Face, Die-Cast Aluminum Housing, LED Exit Sign With Battery Back-Up (Lithonia LQC-W-2-R-EL-N)	320.79	42.90
			For Green LED Lamps, Add	15.00	
			For Self-Diagnostics, Add	50.00	
			For >50 To 100, Deduct	-10.16	
			For >100 To 250, Deduct	-18.18	
			For >250 To 500, Deduct	-32.08	
			For >500, Deduct	-45.97	
26 52 13 16-0010	EA		Single Face, Thermoplastic Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Lithonia LHQM-S-W-3-R-M4).....	367.62	42.90
			Note: Includes two circular side mounted krypton emergency lights.		
			For Green LED Lamps, Add	15.00	
			For >50 To 100, Deduct	-12.12	
			For >100 To 250, Deduct	-21.32	
			For >250 To 500, Deduct	-36.76	
			For >500, Deduct	-52.21	
26 52 13 16-0011	EA		Single Face, Thermoplastic Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Lithonia LHQM-LED-R-M6).....	309.54	42.90
			Note: Includes two circular side mounted LED emergency lights.		
			For Green LED Lamps, Add	15.00	
			For >50 To 100, Deduct	-10.67	
			For >100 To 250, Deduct	-18.41	
			For >250 To 500, Deduct	-30.95	
			For >500, Deduct	-43.50	
26 52 13 16-0012	EA		Single Face, Powder Coated Steel Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Big Beam COM-PH)	464.79	42.90
			Note: Includes two rectangular front mounted high intensity tungsten emergency lights.		
			For Green LED Lamps, Add	15.00	
			For >50 To 100, Deduct	-14.55	
			For >100 To 250, Deduct	-26.17	
			For >250 To 500, Deduct	-46.48	
			For >500, Deduct	-66.78	
26 52 13 16-0013	EA		Single Face, Powder Coated Steel Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Big Beam COM).....	487.40	42.90
			Note: Includes two circular side mounted PAR 36 emergency lights.		
			For Green LED Lamps, Add	15.00	
			For >50 To 100, Deduct	-15.12	
			For >100 To 250, Deduct	-27.30	
			For >250 To 500, Deduct	-48.74	
			For >500, Deduct	-70.18	
26 52 13 16-0014	EA		Single Or Double Face, Polycarbonate Housing, LED Emergency Exit Sign (Eaton Lighting APX6R).....	126.51	42.90
			For >50 To 100, Deduct	-5.31	
			For >100 To 250, Deduct	-8.47	
			For >250 To 500, Deduct	-12.65	
			For >500, Deduct	-16.83	
26 52 13 16-0015	EA		120-277 Volt, LED Emergency Exit Sign With Nickel Cadmium Battery, Red (Cooper Industries APX7R)	127.04	42.90
			For >50 To 100, Deduct	-5.32	
			For >100 To 250, Deduct	-8.50	
			For >250 To 500, Deduct	-12.70	
			For >500, Deduct	-16.91	
26 52 13 16-0016	EA		Single Face, LED Exit Sign (Lithonia EXG LED M6)	120.63	42.96
			For >50 To 100, Deduct	-5.16	
			For >100 To 250, Deduct	-8.18	
			For >250 To 500, Deduct	-12.06	
			For >500, Deduct	-15.95	
26 52 13 16-0017	EA		Single Face, LED Exit Sign Emergency Light Combo With 2 Lamp Heads (Lithonia ECC G).....	154.58	42.96
			For >50 To 100, Deduct	-6.01	
			For >100 To 250, Deduct	-9.87	
			For >250 To 500, Deduct	-15.46	
			For >500, Deduct	-21.04	
26 52 13 16-0018			Edge-Lit LED Exit Signs (26 52 13 16)		
			Note: Includes red LED lamps.		
26 52 13 16-0019	EA		Single Face, Edge-Lit LED Exit Sign (Lithonia EDG-1- R-M6).....	272.92	42.90
			For Green LED Lamps, Add	40.00	
			For >50 To 100, Deduct	-8.97	
			For >100 To 250, Deduct	-15.79	
			For >250 To 500, Deduct	-27.29	
			For >500, Deduct	-38.79	
26 52 13 16-0020	EA		Double Face, Edge-Lit LED Exit Sign (Lithonia EDG-2-R-M6)	275.89	42.90
			For Green LED Lamps, Add	40.00	
			For >50 To 100, Deduct	-9.04	
			For >100 To 250, Deduct	-15.94	
			For >250 To 500, Deduct	-27.59	
			For >500, Deduct	-39.24	

26 Electrical**26 50 Lighting****26 52 Safety Lighting**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
26 52 13 16-0021	EA	Single Face, Edge-Lit LED Exit Sign With Battery Back-Up (Lithonia EDG-1-R-EL-M6)	295.99		42.90
		For Green LED Lamps, Add	40.00		
		For Self-Diagnostics, Add	50.00		
		For >50 To 100, Deduct	-9.54		
		For >100 To 250, Deduct	-16.94		
		For >250 To 500, Deduct	-29.60		
		For >500, Deduct	-42.25		
26 52 13 16-0022	EA	Double Face, Edge-Lit LED Exit Sign With Battery Back-Up (Lithonia EDG-2-R-EL-M6)	356.07		42.90
		For Green LED Lamps, Add	40.00		
		For Self-Diagnostics, Add	50.00		
		For >50 To 100, Deduct	-11.05		
		For >100 To 250, Deduct	-19.95		
		For >250 To 500, Deduct	-35.61		
		For >500, Deduct	-51.27		
26 52 13 16-0023 Self-Luminous Tritium Exit Signs (26 52 13 16)					
Note: Includes red or green tritium filled pyrex glass light tubes with phosphor coating.					
26 52 13 16-0024	EA	10 Year, Single Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign (Isolite SLX-60-S-10-R)	595.09		42.90
		For >50 To 100, Deduct	-17.02		
		For >100 To 250, Deduct	-31.90		
		For >250 To 500, Deduct	-59.51		
		For >500, Deduct	-87.12		
26 52 13 16-0025	EA	10 Year, Double Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign (Isolite SLX-60-D-10-R)	1,103.84		42.90
		For >50 To 100, Deduct	-29.74		
		For >100 To 250, Deduct	-57.34		
		For >250 To 500, Deduct	-110.38		
		For >500, Deduct	-163.43		
26 52 13 16-0026	EA	20 Year, Single Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign (Isolite SLX-60-S-20-R)	710.99		42.90
		For >50 To 100, Deduct	-19.92		
		For >100 To 250, Deduct	-37.69		
		For >250 To 500, Deduct	-71.10		
		For >500, Deduct	-104.50		
26 52 13 16-0027	EA	20 Year, Double Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign (Isolite SLX-60-D-20-R)	1,196.89		42.90
		For >50 To 100, Deduct	-32.07		
		For >100 To 250, Deduct	-61.99		
		For >250 To 500, Deduct	-119.69		
		For >500, Deduct	-177.39		
26 52 13 16-0028	EA	10 Year, Single Face, Aluminum Housing, Self-Luminous Tritium Exit Sign (Isolite 2040-01-10-R)	652.77		42.90
		For >50 To 100, Deduct	-18.46		
		For >100 To 250, Deduct	-34.78		
		For >250 To 500, Deduct	-65.28		
		For >500, Deduct	-95.77		
26 52 13 16-0029	EA	10 Year, Double Face, Aluminum Housing, Self-Luminous Tritium Exit Sign (Isolite 2040-07-10-R)	1,196.89		42.90
		For >50 To 100, Deduct	-32.07		
		For >100 To 250, Deduct	-61.99		
		For >250 To 500, Deduct	-119.69		
		For >500, Deduct	-177.39		
26 52 13 16-0030	EA	20 Year, Single Face, Aluminum Housing, Self-Luminous Tritium Exit Sign (Isolite 2040-01-20-R)	803.49		42.90
		For >50 To 100, Deduct	-22.23		
		For >100 To 250, Deduct	-42.32		
		For >250 To 500, Deduct	-80.35		
		For >500, Deduct	-118.38		
26 52 13 16-0031	EA	20 Year, Double Face, Aluminum Housing, Self-Luminous Tritium Exit Sign (Isolite 2040-07-20-R)	1,488.53		42.90
		For >50 To 100, Deduct	-39.36		
		For >100 To 250, Deduct	-76.57		
		For >250 To 500, Deduct	-148.85		
		For >500, Deduct	-221.13		
26 52 13 16-0032 Vandal-Resistant LED Exit Signs (26 52 13 16)					
Note: Includes red LED lamps.					
26 52 13 16-0033	EA	Single Face, Aluminum Housing, Vandal-Resistant/Wet Location, LED Exit Sign (Lithonia LV-S-W-1-R-120/277)	560.81		42.90
		For >50 To 100, Deduct	-16.17		
		For >100 To 250, Deduct	-30.19		
		For >250 To 500, Deduct	-56.08		
		For >500, Deduct	-81.98		
26 52 13 16-0034	EA	Single Face, Aluminum Housing, Vandal-Resistant/Wet Location, LED Exit Sign With Battery Backup (Lithonia LV-S-W-1-R-120/277-EL-N)	875.86		42.90
		For >50 To 100, Deduct	-24.04		
		For >100 To 250, Deduct	-45.94		
		For >250 To 500, Deduct	-87.59		
		For >500, Deduct	-129.23		
26 52 13 16-0035	EA	Single Face, Aluminum Housing, NEMA 4X, Vandal-Resistant/Wet Location, LED Exit Sign With Battery Backup (Lithonia LV-S-1-R-120/277-EL-N-UM-4X)	1,069.02		42.90
		For >50 To 100, Deduct	-28.87		
		For >100 To 250, Deduct	-55.60		
		For >250 To 500, Deduct	-106.90		
		For >500, Deduct	-158.21		

26 52 13 16-0036 Removal And Reinstallation Of Exit Light Fixture (26 52 13 16)

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 16-0037	EA	Removal And Reinstall Of Exit Light Fixtures Note: Includes storage and cleaning. For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	88.03 -4.40 -6.60 -8.80 -11.00	
26 52 13 16-0038 Exit Sign Accessories (26 52 13 16)				
26 52 13 16-0039	EA	Polycarbonate Vandal Shield For Exit Signs (Radiant-Lite BG-1)..... For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	132.31 -3.90 -7.20 -13.23 -19.26	11.76
26 52 13 16-0040	EA	Wire Guard For Exit Signs Or Emergency Lights (Best Lighting Products WG-1) For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	76.00 -2.49 -4.39 -7.60 -10.81	11.76
26 52 13 16-0041	EA	Wire Guard For Combination Exit Sign And Emergency Light (Best Lighting Products WG-3) For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	123.78 -3.56 -6.66 -12.38 -18.10	9.41
26 52 13 16-0042	EA	Removal And Replacement Of Battery For Exit Signs Note: Battery: nickel cadmium, 1.2 volt, 1 Ah battery capacity For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	131.57 -4.02 -7.31 -13.16 -19.00	
26 52 13 16-0043 LED Exit Signs (Lithonia) (26 52 13 16)				
26 52 13 16-0044	EA	Exit Sign Emergency Light Combo - White Thermoplastic - Adjustable LED- Single Face - Red Letters - Battery Backup (Lithonia ECBR-LED-M6) For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	268.45 -8.86 -15.57 -26.85 -38.12	42.96
26 52 13 16-0045	EA	Exit Sign Emergency Light Combo - White Thermoplastic - Adjustable LED- Single Face - Green Letters - Battery Backup (Lithonia ECBG-LED-M6) For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	213.26 -7.48 -12.81 -21.33 -29.84	42.96
26 54 Classified Location Lighting (26 50)				
26 54 19 LED Classified Location Lighting (26 54)				
26 54 19 00-0001		Class I Division 2, Hazardous Location, LED Fixtures (26 54 19)		
26 54 19 00-0002		Class I Division 2, Hazardous Location, NEMA 4X, LED Floodlight (Cooper Champ® FMV) (26 54 19 00-0001) Note: Includes 5,600K CRI LED arrays, shatter resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 54 19 00-0003	EA	5,183 Lumens, 45 Watt, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV5L)..... For Bolt-On Visor, Add For Bolt-On Wire Guard, Add For 480 Volt, Add For Warm White Color Rendering, Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	2,575.74 98.76 203.13 173.91 73.84 -68.41 -132.81 -257.57 -382.34	96.50
26 54 19 00-0004	EA	7,095 Lumens, 62 Watt, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV7L)..... For Bolt-On Visor, Add For Bolt-On Wire Guard, Add For 480 Volt, Add For Warm White Color Rendering, Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	3,155.35 98.76 203.13 173.91 73.84 -83.17 -162.06 -315.54 -469.01	102.94
26 54 19 00-0005	EA	9,132 Lumens, 79 Watt, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV9L)..... For Bolt-On Visor, Add For Bolt-On Wire Guard, Add For 480 Volt, Add For Warm White Color Rendering, Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	3,564.33 98.76 203.13 173.91 73.84 -93.67 -182.77 -356.43 -530.09	109.38

26 Electrical**26 50 Lighting****26 54 Classified Location Lighting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 54 19 00-0006	EA	11,107 Lumens, 99 Watt, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV11L).....	3,984.67	115.81
		For Bolt-On Visor, Add	98.76	
		For Bolt-On Wire Guard, Add	203.13	
		For 480 Volt, Add	173.91	
		For Warm White Color Rendering, Add	73.84	
		For >50 To 100, Deduct	-104.44	
		For >100 To 250, Deduct	-204.06	
		For >250 To 500, Deduct	-398.47	
		For >500, Deduct	-592.88	

26 54 19 00-0007 Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Vaporgard™ V2LC)

(26 54 19 00-0001)

Note: Includes 5,600K CRI LED arrays, heat resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.

26 54 19 00-0008	EA	1,600 Lumens, 25 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Vaporgard™ V2LC).....	1,521.19	90.08
		For 12/24 Volt DC Driver, Add	28.07	
		For Frosted Lens, Add	57.36	
		For Warm White Color Temperature LEDs, Add	73.84	
		For 55 Degree Ambient Suitability (AC Only) Option, Add	38.21	
		For Stanchion Mount, Add	236.62	
		For Ceiling Mount, Add	94.88	
		For Wall Mount, Add	138.51	
		For Teflon Coated Lens, Add	121.74	
		For Wall Mount With Junction Box, Add	202.23	
		For >50 To 100, Deduct	-41.78	
		For >100 To 250, Deduct	-79.81	
		For >250 To 500, Deduct	-152.12	
		For >500, Deduct	-224.43	

26 54 19 00-0009 Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV)

(26 54 19 00-0001)

Note: Includes 5,600K CRI LED arrays, heat and impact resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.

26 54 19 00-0010	EA	3,240 Lumens, 47 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV3L).....	2,421.00	90.08
		For Ceiling Mount, Add	18.16	
		For Quick Clip Mounting Option, Add	26.67	
		For Frosted Lens, Add	57.36	
		For Warm White Color Rendering, Add	73.84	
		For Polycarbonate Lens, Add	106.32	
		For 480 Volt, Add	173.91	
		For >50 To 100, Deduct	-64.28	
		For >100 To 250, Deduct	-124.80	
		For >250 To 500, Deduct	-242.10	
		For >500, Deduct	-359.40	
26 54 19 00-0011	EA	3,778 Lumens, 63 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV5L).....	2,681.62	96.50
		For Ceiling Mount, Add	18.16	
		For Quick Clip Mounting Option, Add	26.67	
		For Frosted Lens, Add	57.36	
		For Warm White Color Rendering, Add	73.84	
		For Polycarbonate Lens, Add	106.32	
		For 480 Volt, Add	173.91	
		For >50 To 100, Deduct	-71.06	
		For >100 To 250, Deduct	-138.10	
		For >250 To 500, Deduct	-268.16	
		For >500, Deduct	-398.22	
26 54 19 00-0012	EA	6,340 Lumens, 98 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV7L).....	3,004.96	102.94
		For Ceiling Mount, Add	18.16	
		For Quick Clip Mounting Option, Add	26.67	
		For Frosted Lens, Add	57.36	
		For Warm White Color Rendering, Add	73.84	
		For Polycarbonate Lens, Add	106.32	
		For 480 Volt, Add	173.91	
		For >50 To 100, Deduct	-79.41	
		For >100 To 250, Deduct	-154.54	
		For >250 To 500, Deduct	-300.50	
		For >500, Deduct	-446.45	
26 54 19 00-0013	EA	6,340 Lumens, 98 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV9L).....	3,916.47	109.38
		For Ceiling Mount, Add	18.16	
		For Quick Clip Mounting Option, Add	26.67	
		For Frosted Lens, Add	57.36	
		For Warm White Color Rendering, Add	73.84	
		For Polycarbonate Lens, Add	106.32	
		For 480 Volt, Add	173.91	
		For >50 To 100, Deduct	-102.47	
		For >100 To 250, Deduct	-200.38	
		For >250 To 500, Deduct	-391.65	
		For >500, Deduct	-582.91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 54 19 00-0014	EA		9,720 Lumens, 137 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV11L).....	4,494.00	115.81
			For Ceiling Mount, Add	18.16	
			For Quick Clip Mounting Option, Add	26.67	
			For Frosted Lens, Add	57.36	
			For Warm White Color Rendering, Add	73.84	
			For Polycarbonate Lens, Add	106.32	
			For 480 Volt, Add	173.91	
			For >50 To 100, Deduct	-117.18	
			For >100 To 250, Deduct	-229.53	
			For >250 To 500, Deduct	-449.40	
			For >500, Deduct	-669.27	
26 54 19 00-0015			Class I Division 1, Explosion Proof, LED Fixtures (26 54 19)		
26 54 19 00-0016			Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL) (26 54 19 00-0015)		
			Note: Includes 5,600K CRI LED arrays, shatter resistant and explosion proof glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 54 19 00-0017	EA		5,625 Lumens, 80 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL5L).....	4,455.26	96.50
			For Wall Mount, Deduct	-17.16	
			For Warm Color Temperature LEDs, Add	92.41	
			For Stainless Steel Guard, Add	165.88	
			For Ceiling Mount, Add	200.11	
			For Stanchion Mount, Add	232.89	
			For Yoke Mount, Add	582.23	
			For >50 To 100, Deduct	-115.40	
			For >100 To 250, Deduct	-226.78	
			For >250 To 500, Deduct	-445.53	
			For >500, Deduct	-664.27	
26 54 19 00-0018	EA		6,750 Lumens, 100 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL7L).....	5,422.57	102.94
			For Wall Mount, Deduct	-17.16	
			For Warm Color Temperature LEDs, Add	92.41	
			For Stainless Steel Guard, Add	165.88	
			For Ceiling Mount, Add	200.11	
			For Stanchion Mount, Add	232.89	
			For Yoke Mount, Add	582.23	
			For >50 To 100, Deduct	-139.85	
			For >100 To 250, Deduct	-275.42	
			For >250 To 500, Deduct	-542.26	
			For >500, Deduct	-809.10	
26 54 19 00-0019	EA		9,000 Lumens, 130 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL9L).....	6,303.04	109.38
			For Wall Mount, Deduct	-17.16	
			For Warm Color Temperature LEDs, Add	92.41	
			For Stainless Steel Guard, Add	165.88	
			For Ceiling Mount, Add	200.11	
			For Stanchion Mount, Add	232.89	
			For Yoke Mount, Add	582.23	
			For >50 To 100, Deduct	-162.13	
			For >100 To 250, Deduct	-319.71	
			For >250 To 500, Deduct	-630.30	
			For >500, Deduct	-940.90	
26 54 19 00-0020	EA		10,500 Lumens, 151 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL11L).....	7,199.74	115.81
			For Wall Mount, Deduct	-17.16	
			For Warm Color Temperature LEDs, Add	92.41	
			For Stainless Steel Guard, Add	165.88	
			For Ceiling Mount, Add	200.11	
			For Stanchion Mount, Add	232.89	
			For Yoke Mount, Add	582.23	
			For >50 To 100, Deduct	-184.82	
			For >100 To 250, Deduct	-364.81	
			For >250 To 500, Deduct	-719.97	
			For >500, Deduct	-1,075.14	
26 54 19 00-0021	EA		13,500 Lumens, 175 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL13L).....	8,346.82	111.52
			For Wall Mount, Deduct	-17.16	
			For Warm Color Temperature LEDs, Add	92.41	
			For Stainless Steel Guard, Add	165.88	
			For Ceiling Mount, Add	200.11	
			For Stanchion Mount, Add	232.89	
			For Yoke Mount, Add	582.23	
			For >50 To 100, Deduct	-213.76	
			For >100 To 250, Deduct	-422.43	
			For >250 To 500, Deduct	-834.68	
			For >500, Deduct	-1,246.93	

26 55 Special Purpose Lighting (26 50)

26 55 13 Landscape Lighting (26 55)

26 55 13 00-0001	Bollards (26 55 13)	
	Note: Excludes concrete base.	
26 55 13 00-0002	Aluminum Architectural Bollards (26 55 13 00-0001)	

MINOR			TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST	UNIT COST
26 55 13 00-0003			High Pressure Sodium, Aluminum Architectural Bollards (26 55 13 00-0002)			
26 55 13 00-0004			Square, High Pressure Sodium, Aluminum Architectural Bollards (26 55 13 00-0003)			
26 55 13 00-0005	EA	24" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,620.29		99.77	
26 55 13 00-0006	EA	30" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,632.02		105.63	
26 55 13 00-0007	EA	36" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,643.76		111.50	
26 55 13 00-0008	EA	42" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,518.31		117.37	
26 55 13 00-0009	EA	24" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,620.29		99.77	
26 55 13 00-0010	EA	30" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,632.02		105.63	
26 55 13 00-0011	EA	36" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,643.76		111.50	
26 55 13 00-0012	EA	42" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,518.31		117.37	
26 55 13 00-0013	EA	24" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,620.29		99.77	
26 55 13 00-0014	EA	30" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,632.02		105.63	
26 55 13 00-0015	EA	36" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,643.76		111.50	
26 55 13 00-0016	EA	42" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,518.31		117.37	
26 55 13 00-0017	EA	24" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,620.29		99.77	
26 55 13 00-0018	EA	30" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,632.02		105.63	
26 55 13 00-0019	EA	36" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,643.76		111.50	
26 55 13 00-0020	EA	42" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,518.31		117.37	
26 55 13 00-0021			Round, High Pressure Sodium, Aluminum Architectural Bollards (26 55 13 00-0003)			
26 55 13 00-0022	EA	24" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,557.29		99.77	
26 55 13 00-0023	EA	30" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,569.02		105.63	
26 55 13 00-0024	EA	36" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,580.76		111.50	
26 55 13 00-0025	EA	42" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,454.73		117.37	
26 55 13 00-0026	EA	24" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,557.29		99.77	
26 55 13 00-0027	EA	30" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,569.02		105.63	
26 55 13 00-0028	EA	36" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,580.76		111.50	
26 55 13 00-0029	EA	42" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,454.73		117.37	
26 55 13 00-0030	EA	24" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,557.29		99.77	
26 55 13 00-0031	EA	30" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,569.02		105.63	
26 55 13 00-0032	EA	36" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,580.76		111.50	
26 55 13 00-0033	EA	42" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,454.73		117.37	
26 55 13 00-0034	EA	24" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,557.29		99.77	
26 55 13 00-0035	EA	30" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,569.02		105.63	
26 55 13 00-0036	EA	36" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,580.76		111.50	
26 55 13 00-0037	EA	42" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,454.73		117.37	
26 55 13 00-0038			Metal Halide, Aluminum Architectural Bollards (26 55 13 00-0002)			
26 55 13 00-0039			Square, Metal Halide, Aluminum Architectural Bollards (26 55 13 00-0003)			
26 55 13 00-0040	EA	24" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,702.09		99.77	
26 55 13 00-0041	EA	30" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,713.82		105.63	
26 55 13 00-0042	EA	36" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,725.56		111.50	
26 55 13 00-0043	EA	42" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,599.53		117.37	
26 55 13 00-0044	EA	24" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,702.09		99.77	
26 55 13 00-0045	EA	30" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,713.82		105.63	
26 55 13 00-0046	EA	36" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,725.56		111.50	
26 55 13 00-0047	EA	42" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,599.53		117.37	
26 55 13 00-0048	EA	24" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,702.09		99.77	
26 55 13 00-0049	EA	30" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,713.82		105.63	
26 55 13 00-0050	EA	36" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,725.56		111.50	
26 55 13 00-0051	EA	42" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,667.99		117.37	
26 55 13 00-0052			Round, Metal Halide, Aluminum Architectural Bollards (26 55 13 00-0038)			
26 55 13 00-0053	EA	24" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,638.52		99.77	
26 55 13 00-0054	EA	30" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,650.25		105.63	
26 55 13 00-0055	EA	36" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,661.99		111.50	
26 55 13 00-0056	EA	42" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,535.96		117.37	
26 55 13 00-0057	EA	24" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,638.52		99.77	
26 55 13 00-0058	EA	30" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,650.25		105.63	
26 55 13 00-0059	EA	36" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,661.99		111.50	
26 55 13 00-0060	EA	42" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,535.96		117.37	
26 55 13 00-0061	EA	24" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,638.52		99.77	
26 55 13 00-0062	EA	30" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,650.25		105.63	
26 55 13 00-0063	EA	36" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,661.99		111.50	
26 55 13 00-0064	EA	42" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,535.96		117.37	
26 55 13 00-0065			Compact Fluorescent, Aluminum Architectural Bollards (26 55 13 00-0002)			
26 55 13 00-0066			Square, Compact Fluorescent, Aluminum Architectural Bollards (26 55 13 00-0065)			
26 55 13 00-0067	EA	24" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,613.12		99.77	
26 55 13 00-0068	EA	30" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,624.85		105.63	
26 55 13 00-0069	EA	36" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,636.59		111.50	
26 55 13 00-0070	EA	42" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,512.42		117.37	
26 55 13 00-0071	EA	24" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,613.12		99.77	
26 55 13 00-0072	EA	30" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,624.85		105.63	
26 55 13 00-0073	EA	36" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,636.59		111.50	
26 55 13 00-0074	EA	42" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,512.42		117.37	
26 55 13 00-0075	EA	24" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,613.12		99.77	
26 55 13 00-0076	EA	30" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,624.85		105.63	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 13 00-0077	EA	36" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	1,636.59	111.50
26 55 13 00-0078	EA	42" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	1,512.42	117.37
26 55 13 00-0079 Round, Compact Fluorescent, Aluminum Architectural Bollards (26 55 13 00-0065)				
26 55 13 00-0080	EA	24" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	1,550.93	99.77
26 55 13 00-0081	EA	30" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	1,562.66	105.63
26 55 13 00-0082	EA	36" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	1,574.40	111.50
26 55 13 00-0083	EA	42" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	1,451.43	117.37
26 55 13 00-0084	EA	24" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	1,550.93	99.77
26 55 13 00-0085	EA	30" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	1,562.66	105.63
26 55 13 00-0086	EA	36" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	1,574.40	111.50
26 55 13 00-0087	EA	42" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	1,451.43	117.37
26 55 13 00-0088	EA	24" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	1,550.93	99.77
26 55 13 00-0089	EA	30" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	1,562.66	105.63
26 55 13 00-0090	EA	36" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	1,574.40	111.50
26 55 13 00-0091	EA	42" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	1,451.43	117.37
26 55 13 00-0092 LED, Aluminum Architectural Bollards (26 55 13 00-0002)				
26 55 13 00-0093 Square, LED, Aluminum Architectural Bollards (26 55 13 00-0092)				
26 55 13 00-0094	EA	24" Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard	1,936.02	99.77
26 55 13 00-0095	EA	30" Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard	1,947.75	105.63
26 55 13 00-0096	EA	36" Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard	1,959.49	111.50
26 55 13 00-0097	EA	42" Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard	1,837.04	117.37
26 55 13 00-0098	EA	24" Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard	2,368.94	99.77
26 55 13 00-0099	EA	30" Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard	2,380.67	105.63
26 55 13 00-0100	EA	36" Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard	2,392.41	111.50
26 55 13 00-0101	EA	42" Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard	2,267.81	117.37
26 55 13 00-0102 Round, LED, Aluminum Architectural Bollards (26 55 13 00-0092)				
26 55 13 00-0103	EA	24" Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard	1,871.44	99.77
26 55 13 00-0104	EA	30" Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard	1,883.17	105.63
26 55 13 00-0105	EA	36" Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard	1,894.91	111.50
26 55 13 00-0106	EA	42" Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard	1,770.31	117.37
26 55 13 00-0107	EA	24" Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard	2,304.36	99.77
26 55 13 00-0108	EA	30" Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard	2,316.09	105.63
26 55 13 00-0109	EA	36" Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard	2,327.83	111.50
26 55 13 00-0110	EA	42" Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard	2,204.00	117.37
26 55 13 00-0111 Reinforced Concrete Bollards (26 55 13 00-0001)				
26 55 13 00-0112	EA	48" Overall Height, 12" Diameter, LED Light, Reinforced Concrete Bollard	1,561.58	293.43
26 55 13 00-0113	EA	58" Overall Height, 18" Diameter, High Intensity Discharge (HID) Light, Reinforced Concrete Bollard	2,771.03	391.20
26 55 13 00-0114 Low Voltage (26 55 13)				
26 55 13 00-0115	EA	Low Voltage Recessed Uplight.....	762.87	213.62
26 55 13 00-0116	EA	Low Voltage Walkway.....	537.36	117.37
26 55 13 00-0117	EA	Low Voltage Malibu - 5 Light Set	533.48	156.69
26 55 13 00-0118	EA	Low Voltage Mushroom 24" Pier	460.33	117.37
26 55 13 00-0119 Recessed, Adjustable (26 55 13)				
26 55 13 00-0120	EA	150 Watt Incandescent Recessed, Adjustable	887.26	187.80
26 55 13 00-0121	EA	300 Watt Incandescent Recessed, Adjustable	969.79	187.80
26 55 13 00-0122 Recessed, Uplight (26 55 13)				
26 55 13 00-0123	EA	50 Watt Incandescent Recessed Uplight.....	793.72	187.80
26 55 13 00-0124	EA	150 Watt Incandescent Recessed Uplight.....	810.23	187.80
26 55 13 00-0125	EA	300 Watt Incandescent Recessed Uplight.....	859.75	187.80
26 55 13 00-0126	EA	500 Watt Quartz Recessed Uplight.....	854.25	187.80
26 55 13 00-0127	EA	5 Watt, LED Recessed Uplight	1,165.87	187.80
26 55 13 00-0128	EA	15 Watt, LED Recessed Uplight	1,286.48	187.80
26 55 13 00-0129 Recessed Wall Light (26 55 13)				
26 55 13 00-0130	EA	100 Watt Incandescent Recessed Wall Light	410.81	117.37
26 55 13 00-0131	EA	100 Watt Fluorescent Recessed Wall Light.....	394.31	117.37
26 55 13 00-0132	EA	100 Watt High Intensity Discharge (HID) Recessed Wall Light	638.02	156.69
26 55 13 00-0133 Step Lights (26 55 13)				
26 55 13 00-0134	EA	Incandescent Step Light	336.29	93.89
26 55 13 00-0135	EA	Fluorescent Step Light.....	391.37	93.89
26 55 13 00-0136	EA	5 Watt, LED Step Light	642.11	93.89
26 55 13 00-0137	EA	15 Watt, LED Step Light	770.76	93.89
26 55 13 00-0138 Tree Lights, Surface Adjustable (26 55 13)				

26 Electrical**26 50 Lighting****26 55 Special Purpose Lighting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 55 13 00-0139	EA	50 Watt Incandescent Tree Lights	709.55	156.69
26 55 13 00-0140	EA	100 Watt Incandescent Tree Lights	726.05	156.69
26 55 13 00-0141	EA	150 Watt Incandescent Tree Lights	909.65	234.75

26 55 16 Walkway Lighting (26 55)

26 55 16 00-0001	Incandescent Walkway (26 55 16)			
26 55 16 00-0002	EA	Post Top 300 Watt Incandescent Walkway Fixture	395.26	109.16

26 55 16 00-0003	Metal Halide Walkway (26 55 16)			
26 55 16 00-0004	EA	Post Top 100 Watt Metal Halide Walkway Fixture	608.14	171.60
26 55 16 00-0005	EA	Post Top 150-175 Watt Metal Halide Walkway Fixture	643.67	177.82
26 55 16 00-0006	EA	Post Top 250 Watt Metal Halide Walkway Fixture	693.47	184.63
26 55 16 00-0007	EA	Post Top 400 Watt Metal Halide Walkway Fixture	742.81	199.54
26 55 16 00-0008	EA	Round Luminaries 100 Watt Metal Halide Walkway Fixture	662.58	184.63
26 55 16 00-0009	EA	Round Luminaries 150-175 Watt Metal Halide Walkway Fixture	667.57	171.60
26 55 16 00-0010	EA	Round Luminaries 250 Watt Metal Halide Walkway Fixture	680.76	177.82
26 55 16 00-0011	EA	Spherical 100 Watt Metal Halide Walkway Fixture	538.02	122.30
26 55 16 00-0012	EA	Spherical 150-175 Watt Metal Halide Walkway Fixture	568.91	122.30
26 55 16 00-0013	EA	Spherical 250 Watt Metal Halide Walkway Fixture	599.81	122.30
26 55 16 00-0014	EA	Spherical 400 Watt Metal Halide Walkway Fixture	677.14	137.67
26 55 16 00-0015	EA	Low Walkway 100 Watt Metal Halide Walkway Fixture	513.29	109.86

26 55 16 00-0016	High Pressure Sodium Walkway (26 55 16)			
26 55 16 00-0017	EA	Post Top 100 Watt High Pressure Sodium Walkway Fixture	550.18	171.60
26 55 16 00-0018	EA	Post Top 150-175 Watt High Pressure Sodium Walkway Fixture	580.67	177.82
26 55 16 00-0019	EA	Post Top 250 Watt High Pressure Sodium Walkway Fixture	622.51	184.63
26 55 16 00-0020	EA	Post Top 400 Watt High Pressure Sodium Walkway Fixture	667.65	199.54
26 55 16 00-0021	EA	Round Luminaries 100 Watt High Pressure Sodium Walkway Fixture	598.38	184.63
26 55 16 00-0022	EA	Round Luminaries 150-175 Watt High Pressure Sodium Walkway Fixture	596.61	171.60
26 55 16 00-0023	EA	Round Luminaries 250 Watt High Pressure Sodium Walkway Fixture	609.65	177.82
26 55 16 00-0024	EA	Spherical 100 Watt High Pressure Sodium Walkway Fixture	473.82	122.30
26 55 16 00-0025	EA	Spherical 175 150-Watt High Pressure Sodium Walkway Fixture	497.96	122.30
26 55 16 00-0026	EA	Spherical 250 Watt High Pressure Sodium Walkway Fixture	522.09	122.30
26 55 16 00-0027	EA	Spherical 400 Watt High Pressure Sodium Walkway Fixture	589.28	137.67
26 55 16 00-0028	EA	Low Walkway 100 Watt High Pressure Sodium Walkway Fixture	477.66	109.86

26 55 16 00-0029	Walkway, Adjustable (26 55 16)			
26 55 16 00-0030	EA	2' Fluorescent Adjustable Walkway Fixture	572.52	156.69
26 55 16 00-0031	EA	4' Fluorescent Adjustable Walkway Fixture	587.76	156.69
26 55 16 00-0032	EA	8' Fluorescent Adjustable Walkway Fixture	1,008.05	234.75
26 55 16 00-0033	EA	50 Watt Incandescent Adjustable Walkway Fixture	478.63	117.37
26 55 16 00-0034	EA	150 Watt Incandescent Adjustable Walkway Fixture	498.95	117.37

26 55 16 00-0035	LED Walkway (26 55 16)				
26 55 16 00-0036	LED Pathway Fixtures (CREE® BetaLED® Edge® PWY-EDG) (26 55 16 00-0035)				
Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.					
26 55 16 00-0037	EA	13" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	993.16		90.08
For Multi-Level Drive Currents, Add			267.03		
26 55 16 00-0038	EA	18" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	1,025.58		90.08
For Multi-Level Drive Currents, Add			267.03		
26 55 16 00-0039	EA	36" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	1,082.80		90.08
For Multi-Level Drive Currents, Add			267.03		
26 55 16 00-0040	EA	42" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	1,126.67		90.08
For Multi-Level Drive Currents, Add			267.03		
26 55 16 00-0041	EA	96" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	1,293.55		115.81
For Multi-Level Drive Currents, Add			267.03		

26 55 16 00-0042	Wall Mounted Walkway Lighting (26 55 16 00-0035)			
26 55 16 00-0043	EA	Wall Mounted Lantern With LED Kit, No. PDEX-Bracket (Herwig P-492)	4,583.08	
Note: Type Fixture 17 as Post				

26 55 16 00-0044	Pole Mounted Walkway Lighting (26 55 16 00-0035)			
26 55 16 00-0045	EA	43-1/2" Height x 19" Diameter, LED Post Lantern (Herwig AP-27)	4,219.49	
26 55 16 00-0046	EA	12' Tapered and Fluted Post (Herwig BRA Series, BRAJ-12)	4,142.03	
Note: Washers and nuts included				

26 55 29 Underwater Lighting (26 55)

26 55 29 00-0001	Underwater Lights (26 55 29)			
26 55 29 00-0002	EA	150 Watt, 120 Volt Underwater Lights	579.78	78.05
26 55 29 00-0003	EA	300 Watt, 120 Volt Underwater Lights	645.80	78.05
26 55 29 00-0004	EA	1,000 Watt, 120 Volt Underwater Lights	1,582.74	117.37
26 55 29 00-0005	EA	50 Watt, 12 Volt Underwater Lights	607.29	78.05
26 55 29 00-0006	EA	300 Watt, 12 Volt Underwater Lights	684.31	78.05

		Electrical	26	26
		Lighting	26 50	
		Special Purpose Lighting	26 55	
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
		UNIT COST	UNIT COST	

26 55 29 00-0007	SET	Under Water Fountain Fixture, Set Of 6, 300 Watt, Incandescent.....	1,754.77	176.06
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26 55 53 Security Lighting ^(26 55)

26 55 53 11 Security Flood Lighting ^(26 55 53)

26 55 53 11-0001		Flood Lights (General Electric Powerflood®) ^(26 55 53 11)		
26 55 53 11-0002		MPF (Small Size) Series GE Flood Lights ^(26 55 53 11-0001) Note: For perimeters, entrances, building facades and sign lighting. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. 1/2" threaded mounting knuckle.		
26 55 53 11-0003		High Pressure Sodium MPF Series GE Flood Lights ^(26 55 53 11-0002)		
26 55 53 11-0004	EA	70 Watt High Pressure Sodium MPF Series GE Flood Light.....	374.11	97.79
26 55 53 11-0005	EA	100 Watt High Pressure Sodium MPF Series GE Flood Light.....	377.68	97.79
26 55 53 11-0006	EA	150 Watt High Pressure Sodium MPF Series GE Flood Light.....	383.63	97.79
26 55 53 11-0007		Metal Halide MPF Series GE Flood Lights ^(26 55 53 11-0002)		
26 55 53 11-0008	EA	70 Watt Metal Halide MPF Series GE Flood Light.....	515.73	97.79
26 55 53 11-0009		P-154 (Small Size) Series GE Flood Lights ^(26 55 53 11-0001) Note: For parking lots, building security, building facades, recreation areas and sign lighting. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0010		High Pressure Sodium P-154 Series GE Flood Lights ^(26 55 53 11-0009)		
26 55 53 11-0011	EA	70 Watt High Pressure Sodium P-154 Series GE Flood Light.....	773.72	130.40
26 55 53 11-0012	EA	100 Watt High Pressure Sodium P-154 Series GE Flood Light.....	778.48	130.40
26 55 53 11-0013	EA	150 Watt High Pressure Sodium P-154 Series GE Flood Light.....	786.81	130.40
26 55 53 11-0014	EA	250 Watt High Pressure Sodium P-154 Series GE Flood Light.....	880.83	130.40
26 55 53 11-0015	EA	400 Watt High Pressure Sodium P-154 Series GE Flood Light.....	908.20	130.40
26 55 53 11-0016		Metal Halide P-154 Series GE Flood Lights ^(26 55 53 11-0009)		
26 55 53 11-0017	EA	175 Watt Metal Halide P-154 Series GE Flood Light.....	765.39	130.40
26 55 53 11-0018	EA	250 Watt Metal Halide P-154 Series GE Flood Light.....	807.05	130.40
26 55 53 11-0019	EA	400 Watt Metal Halide P-154 Series GE Flood Light.....	828.47	130.40
26 55 53 11-0020		PF-154 (Medium Size) Series GE Flood Lights ^(26 55 53 11-0001) Note: For parking lots, building security and building facades. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0021		High Pressure Sodium PF-154 Series GE Flood Lights ^(26 55 53 11-0020)		
26 55 53 11-0022	EA	70 Watt High Pressure Sodium PF-154 Series GE Flood Light.....	786.09	146.70
26 55 53 11-0023	EA	100 Watt High Pressure Sodium PF-154 Series GE Flood Light.....	792.04	146.70
26 55 53 11-0024	EA	150 Watt High Pressure Sodium PF-154 Series GE Flood Light.....	801.56	146.70
26 55 53 11-0025	EA	250 Watt High Pressure Sodium PF-154 Series GE Flood Light.....	894.39	146.70
26 55 53 11-0026	EA	400 Watt High Pressure Sodium PF-154 Series GE Flood Light.....	920.57	146.70
26 55 53 11-0027		Metal Halide PF-154 GE Flood Lights ^(26 55 53 11-0020)		
26 55 53 11-0028	EA	175 Watt Metal Halide PF-154 Series GE Flood Light.....	778.95	146.70
26 55 53 11-0029	EA	250 Watt Metal Halide PF-154 Series GE Flood Light.....	819.41	146.70
26 55 53 11-0030	EA	400 Watt Metal Halide PF-154 Series GE Flood Light.....	840.84	146.70
26 55 53 11-0031		PF-400 (Medium Size) Series GE Flood Lights ^(26 55 53 11-0001) Note: For parking lots, building security, building facades, shipping yards and rail yards. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Formed aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0032		High Pressure Sodium PF-400 Series GE Flood Lights ^(26 55 53 11-0031)		
26 55 53 11-0033	EA	150 Watt High Pressure Sodium PF-400 Series GE Flood Light.....	1,066.95	146.70
26 55 53 11-0034	EA	200 Watt High Pressure Sodium PF-400 Series GE Flood Light.....	1,150.26	146.70
26 55 53 11-0035	EA	250 Watt High Pressure Sodium PF-400 Series GE Flood Light.....	1,144.31	146.70
26 55 53 11-0036	EA	400 Watt High Pressure Sodium PF-400 Series GE Flood Light.....	1,174.06	146.70
26 55 53 11-0037		Metal Halide PF-400 GE Flood Lights ^(26 55 53 11-0031)		
26 55 53 11-0038	EA	175 Watt Metal Halide PF-400 Series GE Flood Light.....	1,097.90	146.70
26 55 53 11-0039	EA	250 Watt Metal Halide PF-400 Series GE Flood Light.....	1,122.89	146.70
26 55 53 11-0040	EA	400 Watt Metal Halide PF-400 Series GE Flood Light.....	1,149.07	146.70
26 55 53 11-0041		PF-1000 (Large Size) Series GE Flood Lights ^(26 55 53 11-0001) Note: For parking lots, industrial yards and sports stadiums. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Formed aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0042		High Pressure Sodium PF-154 Series GE Flood Lights ^(26 55 53 11-0041)		
26 55 53 11-0043	EA	750 Watt High Pressure Sodium PF-1000 Series GE Flood Light.....	1,455.39	162.99
26 55 53 11-0044	EA	1,000 Watt High Pressure Sodium PF-1000 Series GE Flood Light.....	1,455.39	162.99

26	26	Electrical
	26 50	Lighting
	26 55	Special Purpose Lighting

		MINOR			TOTAL DIRECT	DEMOLITION
		CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 55 53 11-0045				Metal Halide PF-1000 Series GE Flood Lights (26 55 53 11-0041)		
26 55 53 11-0046	EA			1,000 Watt Metal Halide PF-1000 Series GE Flood Light.....	1,386.37	162.99
26 55 53 11-0047				HLU/VLU (Medium Size) FRP Series GE Flood Lights (26 55 53 11-0001)		
Note: For parking lots, industrial yards, construction sites, recreation areas and facades. Includes corrosion resistant reinforced polyester housing and thermal shock resistant lens. Hydroformed aluminum reflector. Yoke or slip fitter mounting.						
26 55 53 11-0048				High Pressure Sodium HLU/VLU FRP Series GE Flood Lights (26 55 53 11-0047)		
26 55 53 11-0049	EA			250 Watt High Pressure Sodium HLU/VLU FRP Series GE Flood Light.....	1,181.20	146.70
26 55 53 11-0050	EA			400 Watt High Pressure Sodium HLU/VLU FRP Series GE Flood Light.....	1,203.82	146.70
26 55 53 11-0051				Metal Halide HLU/VLU Series GE Flood Lights (26 55 53 11-0047)		
26 55 53 11-0052	EA			400 Watt Metal Halide HLU/VLU FRP Series GE Flood Light	1,194.30	146.70
26 55 53 11-0053				Accessories For Powerflood GE Flood Lights (26 55 53 11-0001)		
26 55 53 11-0054	EA			Wireguard For Powerflood GE Flood Light	202.06	32.60
26 55 53 11-0055	EA			Polycarbonate Vandal Shield For Powerflood GE Flood Light.....	113.99	32.60
26 55 53 11-0056	EA			Top Visor For Powerflood Flood Light	168.74	32.60
26 55 53 11-0057	EA			Top And Two Side Visors For Powerflood GE Flood Light	127.09	32.60
26 55 53 11-0058	EA			Pipe Wall Mounting Bracket For Powerflood GE Flood Light.....	316.98	97.79
26 55 53 11-0059	EA			Multiple Mounting Channel For Powerflood GE Flood Light	140.18	32.60
26 55 53 11-0060	EA			Wall Or Flat Surface Bracket For Powerflood GE Flood Light	227.72	97.79
26 55 53 11-0061	EA			Steel Angle Bracket For Powerflood GE Flood Light	238.43	97.79
26 55 53 11-0062	EA			Cross Arm Adaptor For Powerflood GE Flood Light	103.28	32.60
26 55 53 11-0063	EA			120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Powerflood GE Flood Light	99.71	32.60
26 55 53 11-0064				Flood Lights (Lithonia Contour Series) (26 55 53 11)		
26 55 53 11-0065				TFM (Small Size) Series Lithonia Flood Lights (26 55 53 11-0064)		
Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Faceted parabolic optics. 1/2" threaded mounting knuckle.						
26 55 53 11-0066				High Pressure Sodium TFM Series Lithonia Flood Lights (26 55 53 11-0065)		
26 55 53 11-0067	EA			70 Watt High Pressure Sodium TFM Series Lithonia Flood Light.....	710.36	130.40
26 55 53 11-0068	EA			100 Watt High Pressure Sodium TFM Series Lithonia Flood Light.....	779.08	130.40
26 55 53 11-0069	EA			150 Watt High Pressure Sodium TFM Series Lithonia Flood Light.....	846.37	130.40
26 55 53 11-0070				Metal Halide TFM Series Lithonia Flood Lights (26 55 53 11-0065)		
26 55 53 11-0071	EA			50 Watt Metal Halide TFM Series Lithonia Flood Light.....	930.34	130.40
26 55 53 11-0072	EA			70 Watt Metal Halide TFM Series Lithonia Flood Light.....	913.80	130.40
26 55 53 11-0073	EA			100 Watt Metal Halide TFM Series Lithonia Flood Light.....	887.14	130.40
26 55 53 11-0074	EA			175 Watt Metal Halide TFM Series Lithonia Flood Light.....	885.16	130.40
26 55 53 11-0075				Compact Fluorescent TFM Series Lithonia Flood Lights (26 55 53 11-0065)		
26 55 53 11-0076	EA			42 Watt Compact Fluorescent TFM Series Lithonia Flood Light.....	923.49	130.40
26 55 53 11-0077				TFL (Medium Size) Series Lithonia Flood Lights (26 55 53 11-0064)		
Note: For recreation areas, parking lots, building facades and car lots. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.						
26 55 53 11-0078				High Pressure Sodium TFL Series Lithonia Flood Lights (26 55 53 11-0077)		
26 55 53 11-0079	EA			250 Watt High Pressure Sodium TFL Series Lithonia Flood Light	1,101.04	146.70
26 55 53 11-0080	EA			400 Watt High Pressure Sodium TFL Series Lithonia Flood Light.....	1,123.96	146.70
26 55 53 11-0081				Metal Halide TFL Series Lithonia Flood Lights (26 55 53 11-0077)		
26 55 53 11-0082	EA			175 Watt Metal Halide TFL Series Lithonia Flood Light.....	1,049.53	146.70
26 55 53 11-0083	EA			250 Watt Metal Halide TFL Series Lithonia Flood Light.....	1,049.53	146.70
26 55 53 11-0084	EA			400 Watt Metal Halide TFL Series Lithonia Flood Light.....	1,085.47	146.70
26 55 53 11-0085				TFR (Low Profile) Series Lithonia Flood Lights (26 55 53 11-0064)		
Note: For recreation areas, parking lots, building facades and car lots. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.						
26 55 53 11-0086				High Pressure Sodium TFR Lithonia Flood Lights (26 55 53 11-0085)		
26 55 53 11-0087	EA			150 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light	1,057.01	130.40
26 55 53 11-0088	EA			250 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light	1,091.31	130.40
26 55 53 11-0089	EA			400 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light	1,119.97	130.40
26 55 53 11-0090				Metal Halide TFR Lithonia Flood Lights (26 55 53 11-0085)		
26 55 53 11-0091	EA			250 Watt Metal Halide TFR Series Lithonia Flood Light	1,045.54	130.40

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0092	EA	400 Watt Metal Halide TFR Series Lithonia Flood Light	1,079.89	130.40
26 55 53 11-0093		TFA (Large Size) Series Lithonia Flood Lights (26 55 53 11-0064) Note: For industrial yards, parking lots, construction sites, streets and recreational areas. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0094		High Pressure Sodium TFA Series Lithonia Flood Lights (26 55 53 11-0093)		
26 55 53 11-0095	EA	1,000 Watt High Pressure Sodium TFA Series Lithonia Flood Light	2,072.77	162.99
26 55 53 11-0096		Metal Halide TFA Series Lithonia Flood Lights (26 55 53 11-0093)		
26 55 53 11-0097	EA	400 Watt Metal Halide TFA Series Lithonia Flood Light	1,585.95	162.99
26 55 53 11-0098	EA	1,000 Watt Metal Halide TFA Series Lithonia Flood Light	1,757.75	162.99
26 55 53 11-0099		Accessories For Contour Series Lithonia Flood Lights (26 55 53 11-0064)		
26 55 53 11-0100	EA	Wireguard For Contour Series Lithonia Flood Light	173.19	32.60
26 55 53 11-0101	EA	Vandal Guard For Contour Series Lithonia Flood Light	341.83	32.60
26 55 53 11-0102	EA	Upper Visor For Contour Series Lithonia Flood Light	141.37	32.60
26 55 53 11-0103	EA	Full Visor For Contour Series Lithonia Flood Light	192.90	32.60
26 55 53 11-0104	EA	Pipe Wall Mounting Bracket For Contour Series Lithonia Flood Light	424.64	97.79
26 55 53 11-0105	EA	Radius Wall Bracket For Contour Series Lithonia Flood Light	333.45	97.79
26 55 53 11-0106	EA	Steel Angle Bracket For Contour Series Lithonia Flood Light	333.45	97.79
26 55 53 11-0107	EA	U Bolt Wall Bracket For Contour Series Lithonia Flood Light, Mounts To 2" Pipe	369.82	97.79
26 55 53 11-0108	EA	Crossarm Adapter For Horizontal Mounted Contour Lithonia Series Flood Light	165.36	32.60
26 55 53 11-0109	EA	120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Contour Lithonia Series Flood Light	130.42	32.60
26 55 53 11-0110		Flood Lights (Eaton) (26 55 53 11)		
26 55 53 11-0111	EA	6" x 6", 16,932 Lumens, 128 Watt, LED Flood Light (Eaton NFFLD-C40-D-UNV-66-T-CB)	1,133.89	130.40
		For NEMA Photocontrol Option (Eaton OA/RA1016), Add	61.61	
		For >50 To 100, Deduct	-34.87	
		For >100 To 250, Deduct	-63.21	
		For >250 To 500, Deduct	-113.39	
		For >500, Deduct	-163.56	
26 55 53 11-0112	EA	16,900 Lumens, 128 Watt, NEMA 6H x 6V Wide, Trunnion Mount, 4000K CCT, Night Falcon LED Flood Light With Multi-Tap (Cooper Industries NFFLD-C40-D-UNV-66-T-CB-PER7+OA/RA1016)	1,414.46	143.85
		For >50 To 100, Deduct	-42.55	
		For >100 To 250, Deduct	-77.92	
		For >250 To 500, Deduct	-141.45	
		For >500, Deduct	-204.98	
26 55 53 11-0113		Flood Lights (Ruud) (26 55 53 11)		
26 55 53 11-0114		NS (Micro) Series Ruud Flood Lights (26 55 53 11-0113) Note: Provides conventional floodlighting. 1/2" threaded mounting knuckle.		
26 55 53 11-0115		High Pressure Sodium NS Series Ruud Flood Lights (26 55 53 11-0114)		
26 55 53 11-0116	EA	35 Watt High Pressure Sodium NS Series Ruud Flood Light	464.55	97.79
26 55 53 11-0117	EA	50 Watt High Pressure Sodium NS Series Ruud Flood Light	464.55	97.79
26 55 53 11-0118	EA	70 Watt High Pressure Sodium NS Series Ruud Flood Light	464.55	97.79
26 55 53 11-0119	EA	100 Watt High Pressure Sodium NS Series Ruud Flood Light	464.55	97.79
26 55 53 11-0120	EA	150 Watt High Pressure Sodium NS Series Ruud Flood Light	464.55	97.79
26 55 53 11-0121		Metal Halide NS Series Ruud Flood Lights (26 55 53 11-0114)		
26 55 53 11-0122	EA	50 Watt Metal Halide NS Series Ruud Flood Light	531.20	97.79
26 55 53 11-0123	EA	70 Watt Metal Halide NS Series Ruud Flood Light	531.20	97.79
26 55 53 11-0124	EA	100 Watt Metal Halide NS Series Ruud Flood Light	531.20	97.79
26 55 53 11-0125		Compact Fluorescent NS Series Ruud Flood Lights (26 55 53 11-0114)		
26 55 53 11-0126	EA	13 Watt Compact Fluorescent NS Series Ruud Flood Light	395.53	97.79
26 55 53 11-0127	EA	26 Watt Compact Fluorescent NS Series Ruud Flood Light	412.19	97.79
26 55 53 11-0128	EA	32 Watt Compact Fluorescent NS Series Ruud Flood Light	416.95	97.79
26 55 53 11-0129	EA	42 Watt Compact Fluorescent NS Series Ruud Flood Light	421.71	97.79
26 55 53 11-0130		NSF/NSW/NSC (Standard, Wide And Cutoff Micro) Series Ruud Flood Lights (26 55 53 11-0113) Note: The NSF is suited for large open areas and façade applications. The NSW is suited for roadway applications, parking areas or security. The NSC is designed for parking lot and outdoor sports areas. Yoke or slip fitter mounting.		
26 55 53 11-0131		High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Lights (26 55 53 11-0130)		
26 55 53 11-0132	EA	150 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light	717.07	146.70
26 55 53 11-0133	EA	250 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light	759.91	146.70
26 55 53 11-0134	EA	400 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light	783.71	146.70
26 55 53 11-0135		Metal Halide NSF/NSW/NSC Series Ruud Flood Lights (26 55 53 11-0130)		
26 55 53 11-0136	EA	175 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light	707.54	146.70
26 55 53 11-0137	EA	250 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light	712.31	146.70

26	26	Electrical
	26 50	Lighting
	26 55	Special Purpose Lighting

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
26 55 53 11-0138	EA	400 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light	726.59	146.70	
26 55 53 11-0139		Compact Fluorescent NSF/NSW/NSC Series Ruud Flood Lights (26 55 53 11-0130)			
26 55 53 11-0140	EA	70 Watt Compact Fluorescent NSF/NSW/NSC Series Ruud Flood Light	690.88	146.70	
26 55 53 11-0141		FS (Square) Series Ruud Flood Lights (26 55 53 11-0113) Note: For signs, large open areas and façade applications. Yoke or slip fitter mounting.			
26 55 53 11-0142		High Pressure Sodium FS Series Ruud Flood Lights (26 55 53 11-0141)			
26 55 53 11-0143	EA	250 Watt High Pressure Sodium FS Series Ruud Flood Light.....	843.22	146.70	
26 55 53 11-0144	EA	400 Watt High Pressure Sodium FS Series Ruud Flood Light.....	847.98	146.70	
26 55 53 11-0145	EA	1,000 Watt High Pressure Sodium FS Series Ruud Flood Light.....	1,456.59	162.99	
26 55 53 11-0146		Metal Halide FS Series Ruud Flood Lights (26 55 53 11-0141)			
26 55 53 11-0147	EA	175 Watt Metal Halide FS Series Ruud Flood Light.....	843.22	146.70	
26 55 53 11-0148	EA	250 Watt Metal Halide FS Series Ruud Flood Light.....	847.98	146.70	
26 55 53 11-0149	EA	400 Watt Metal Halide FS Series Ruud Flood Light.....	862.26	146.70	
26 55 53 11-0150	EA	1,000 Watt Metal Halide FS Series Ruud Flood Light.....	1,299.49	162.99	
26 55 53 11-0151		MFS (Mini Square) Series Ruud Flood Lights (26 55 53 11-0113) Note: For signs, large open areas and façade applications. Yoke or slip fitter mounting.			
26 55 53 11-0152		High Pressure Sodium MFS Series Ruud Flood Lights (26 55 53 11-0151)			
26 55 53 11-0153	EA	35 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	658.28	130.40	
26 55 53 11-0154	EA	50 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	708.27	130.40	
26 55 53 11-0155	EA	70 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	708.27	130.40	
26 55 53 11-0156	EA	100 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	708.27	130.40	
26 55 53 11-0157	EA	150 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	708.27	130.40	
26 55 53 11-0158		Metal Halide MFS Series Ruud Flood Lights (26 55 53 11-0151)			
26 55 53 11-0159	EA	50 Watt Metal Halide MFS Series Ruud Flood Light.....	724.93	130.40	
26 55 53 11-0160	EA	70 Watt Metal Halide MFS Series Ruud Flood Light.....	724.93	130.40	
26 55 53 11-0161	EA	100 Watt Metal Halide MFS Series Ruud Flood Light.....	724.93	130.40	
26 55 53 11-0162	EA	175 Watt Metal Halide MFS Series Ruud Flood Light.....	698.75	130.40	
26 55 53 11-0163		MCF/MPM/MPN (Mini Cutoff. Parabolic Medium And Narrow Mini Square) Series Ruud Flood Lights (26 55 53 11-0113) Note: The MCF is suited for parking lots, volleyball courts and tennis courts. The MPM and MPN are suited for flagpoles, columns and narrow signs. Yoke or slip fitter mounting.			
26 55 53 11-0164		High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Lights (26 55 53 11-0163)			
26 55 53 11-0165	EA	35 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	717.79	130.40	
26 55 53 11-0166	EA	50 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	767.77	130.40	
26 55 53 11-0167	EA	70 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	767.77	130.40	
26 55 53 11-0168	EA	100 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	767.77	130.40	
26 55 53 11-0169	EA	150 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	767.77	130.40	
26 55 53 11-0170		Metal Halide MCF/MPM/MPN Series Ruud Flood Lights (26 55 53 11-0163)			
26 55 53 11-0171	EA	50 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	784.43	130.40	
26 55 53 11-0172	EA	70 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	784.43	130.40	
26 55 53 11-0173	EA	100 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	784.43	130.40	
26 55 53 11-0174	EA	175 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	758.25	130.40	
26 55 53 11-0175		CF (Cutoff Square) Series Ruud Flood Lights (26 55 53 11-0113) Note: The CF is suited for parking lots, volleyball courts and tennis courts. Yoke or slip fitter mounting.			
26 55 53 11-0176		High Pressure Sodium CF Series Ruud Flood Lights (26 55 53 11-0175)			
26 55 53 11-0177	EA	250 Watt High Pressure Sodium CF Series Ruud Flood Light.....	955.09	146.70	
26 55 53 11-0178	EA	400 Watt High Pressure Sodium CF Series Ruud Flood Light.....	978.89	146.70	
26 55 53 11-0179	EA	1,000 Watt High Pressure Sodium CF Series Ruud Flood Light.....	1,516.09	162.99	
26 55 53 11-0180		Metal Halide CF Series Ruud Flood Lights (26 55 53 11-0175)			
26 55 53 11-0181	EA	175 Watt Metal Halide CF Series Ruud Flood Light	902.72	146.70	
26 55 53 11-0182	EA	250 Watt Metal Halide CF Series Ruud Flood Light	907.48	146.70	
26 55 53 11-0183	EA	400 Watt Metal Halide CF Series Ruud Flood Light	921.76	146.70	
26 55 53 11-0184	EA	1,000 Watt Metal Halide CF Series Ruud Flood Light	1,359.00	162.99	
26 55 53 11-0185		CN (Narrow Beam Cutoff Square) Series Ruud Flood Lights (26 55 53 11-0113) Note: The CN is suited for large sports fields, building facades and signs. Yoke or slip fitter mounting.			
26 55 53 11-0186		High Pressure Sodium CN Series Ruud Flood Lights (26 55 53 11-0185)			
26 55 53 11-0187	EA	400 High Pressure Sodium CN Series Ruud Flood Light.....	1,239.99	162.99	
26 55 53 11-0188	EA	1,000 High Pressure Sodium CN Series Ruud Flood Light.....	1,487.53	162.99	

			Electrical		26
			Lighting		26 50
			Special Purpose Lighting		26 55
MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
			UNIT COST	UNIT COST	
26 55 53 11-0189		Metal Halide CN Series Ruud Flood Lights (26 55 53 11-0185)			
26 55 53 11-0190	EA	400 Watt Metal Halide CN Series Ruud Flood Light.....	1,182.86		162.99
26 55 53 11-0191	EA	1,000 Watt Metal Halide CN Series Ruud Flood Light.....	1,330.43		162.99
26 55 53 11-0192		PM/PN (Parabolic Medium And Narrow Square) Series Ruud Flood Lights (26 55 53 11-0113) Note: The PM and PN are suited for flagpoles, columns and narrow signs. Yoke or slip fitter mounting.			
26 55 53 11-0193		High Pressure Sodium PM/PN Series Ruud Flood Lights (26 55 53 11-0192)			
26 55 53 11-0194	EA	250 Watt High Pressure Sodium PM/PN Series Ruud Flood Light.....	988.41		146.70
26 55 53 11-0195	EA	400 Watt High Pressure Sodium PM/PN Series Ruud Flood Light.....	1,012.21		146.70
26 55 53 11-0196		Metal Halide PM/PN Series Ruud Flood Lights (26 55 53 11-0192)			
26 55 53 11-0197	EA	175 Watt Metal Halide PM/PN Series Ruud Flood Light.....	936.04		146.70
26 55 53 11-0198	EA	250 Watt Metal Halide PM/PN Series Ruud Flood Light.....	940.80		146.70
26 55 53 11-0199	EA	400 Watt Metal Halide PM/PN Series Ruud Flood Light.....	955.09		146.70
26 55 53 11-0200	EA	1,000 Watt Metal Halide PM/PN Series Ruud Flood Light.....	1,392.32		162.99
26 55 53 11-0201		Accessories For Ruud Flood Lighting (26 55 53 11-0113)			
26 55 53 11-0202	EA	Wireguard For Rudd Flood Light.....	100.90		32.60
26 55 53 11-0203	EA	Deep Baffle (Full Visor) For Rudd Flood Light.....	165.17		32.60
26 55 53 11-0204	EA	Glare Guard (Upper Visor) For Rudd Flood Light.....	117.56		32.60
26 55 53 11-0205	EA	Vandal Shield For Rudd Flood Light.....	141.37		32.60
26 55 53 11-0206	EA	Pipe Mounting Bracket For Ruud Flood Light.....	276.52		97.79
26 55 53 11-0207	EA	120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Ruud Flood Light.....	86.62		32.60
26 55 53 11-0208		Flood Lights (Lumark) (26 55 53 11)			
26 55 53 11-0209		QZ Wedge Series Quartz Lumark Flood Lights (26 55 53 11-0208) Note: For small outdoor areas. Die-cast aluminum housing heat and weather resistant gaskets.			
26 55 53 11-0210	EA	500 Watt QZ Wedge Series Quartz Lumark Flood Light.....	244.27		97.79
26 55 53 11-0211		LQL Series Quartz Lumark Flood Lights (26 55 53 11-0208) Note: For medium size outdoor areas. Die-cast aluminum housing heat and weather resistant gaskets.			
26 55 53 11-0212	EA	1,500 Watt LQL Series Quartz Lumark Flood Light.....	314.48		97.79
26 55 53 11-0213		Flood Lights (Kim Lighting) (26 55 53 11)			
26 55 53 11-0214		MicroFlood® Series Kim Lighting Flood Lights (26 55 53 11-0213) Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and gasketed and tempered lens. 1/2" threaded mounting knuckle.			
26 55 53 11-0215		LED MicroFlood® Series Kim Lighting Flood Lights (26 55 53 11-0214)			
26 55 53 11-0216	EA	5 Watt, LED MicroFlood® Series Kim Lighting Flood Light.....	550.97		41.15
		For >50 To 100, Deduct	-15.83		
		For >100 To 250, Deduct	-29.61		
		For >250 To 500, Deduct	-55.10		
		For >500, Deduct	-80.59		
26 55 53 11-0217	EA	15 Watt, LED MicroFlood® Series Kim Lighting Flood Light.....	683.07		41.15
		For >50 To 100, Deduct	-19.13		
		For >100 To 250, Deduct	-36.21		
		For >250 To 500, Deduct	-68.31		
		For >500, Deduct	-100.40		
26 55 53 11-0218		Scarab® Series Kim Lighting Flood Lights (26 55 53 11-0213) Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and gasketed and tempered lens. 1/2" threaded mounting knuckle.			
26 55 53 11-0219		LED Scarab® Series Kim Lighting Accent Flood Lights (26 55 53 11-0218) Note: Spot or narrow style accent flood lights.			
26 55 53 11-0220	EA	6 Watt, LED Scarab® Series Kim Lighting Accent Flood Light.....	845.37		41.15
		For >50 To 100, Deduct	-23.19		
		For >100 To 250, Deduct	-44.33		
		For >250 To 500, Deduct	-84.54		
		For >500, Deduct	-124.75		
26 55 53 11-0221		Flood Lights (CREE® BetaLED®) (26 55 53 11)			
26 55 53 11-0222		Yoke Mount, Square, LED Flood Lights (CREE® BetaLED® FLD-304) (26 55 53 11-0221) Note: UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.			
26 55 53 11-0223	EA	40 LEDs, 47 Watt, Yoke Mount, Square, LED Flood Light (CREE® BetaLED® FLD-304).....	1,280.60		117.70
		For >50 To 100, Deduct	-37.90		
		For >100 To 250, Deduct	-69.91		
		For >250 To 500, Deduct	-128.06		
		For >500, Deduct	-186.21		

26 Electrical**26 50 Lighting****26 55 Special Purpose Lighting**
 MINOR
CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 55 53 11-0224	EA	60 LEDs, 68 Watt, Yoke Mount, Square, LED Flood Light (CREE® BetaLED® FLD-304).....	1,404.31	124.24
		For >50 To 100, Deduct	-41.32	
		For >100 To 250, Deduct	-76.43	
		For >250 To 500, Deduct	-140.43	
		For >500, Deduct	-204.43	

26 55 53 11-0225 Adjustable Arm Mount, Rectangular, LED Flood Lights (CREE® BetaLED® Edge® FLD-EDG)

(26 55 53 11-0221)

Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 55 53 11-0226	EA	20 LEDs, 26 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	1,109.22	111.16
		For 480 Volt, Add	111.02	
		For >50 To 100, Deduct	-33.29	
		For >100 To 250, Deduct	-61.02	
		For >250 To 500, Deduct	-110.92	
		For >500, Deduct	-160.83	
26 55 53 11-0227	EA	40 LEDs, 47 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	1,402.67	117.70
		For 480 Volt, Add	111.02	
		For >50 To 100, Deduct	-40.95	
		For >100 To 250, Deduct	-76.02	
		For >250 To 500, Deduct	-140.27	
		For >500, Deduct	-204.52	
26 55 53 11-0228	EA	60 LEDs, 68 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	1,696.13	124.24
		For 480 Volt, Add	111.02	
		For >50 To 100, Deduct	-48.62	
		For >100 To 250, Deduct	-91.02	
		For >250 To 500, Deduct	-169.61	
		For >500, Deduct	-248.21	
26 55 53 11-0229	EA	80 LEDs, 90 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	2,102.11	130.78
		For 480 Volt, Add	111.02	
		For >50 To 100, Deduct	-59.09	
		For >100 To 250, Deduct	-111.64	
		For >250 To 500, Deduct	-210.21	
		For >500, Deduct	-308.78	
26 55 53 11-0230	EA	100 LEDs, 111 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	2,395.57	137.31
		For 480 Volt, Add	111.02	
		For >50 To 100, Deduct	-66.75	
		For >100 To 250, Deduct	-126.64	
		For >250 To 500, Deduct	-239.56	
		For >500, Deduct	-352.47	
26 55 53 11-0231	EA	120 LEDs, 132 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	2,689.02	143.85
		For 480 Volt, Add	111.02	
		For >50 To 100, Deduct	-74.42	
		For >100 To 250, Deduct	-141.64	
		For >250 To 500, Deduct	-268.90	
		For >500, Deduct	-396.16	
26 55 53 11-0232	EA	140 LEDs, 157 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	3,072.12	150.39
		For 480 Volt, Add	111.02	
		For >50 To 100, Deduct	-84.32	
		For >100 To 250, Deduct	-161.13	
		For >250 To 500, Deduct	-307.21	
		For >500, Deduct	-453.30	
26 55 53 11-0233	EA	160 LEDs, 179 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	3,365.57	156.92
		For 480 Volt, Add	111.02	
		For >50 To 100, Deduct	-91.99	
		For >100 To 250, Deduct	-176.12	
		For >250 To 500, Deduct	-336.56	
		For >500, Deduct	-496.99	

26 55 53 11-0234 Adjustable Arm Mount, Rectangular, High Output, LED Flood Lights (CREE® BetaLED® Edge® FLD-EHO)

(26 55 53 11-0221)

Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 700mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 55 53 11-0235	EA	120 LEDs, 267 Watt, Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® Edge® FLD-EHO).....	2,576.49	143.85
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	22.49	
		For Bird Spikes, Add	49.83	
		For 5,000K Color Temperature, Add	56.24	
		For Fuse, Add	67.48	
		For 0 To 10 Volt Dimming, Add	67.48	
		For 480 Volt, Add	101.23	
		For Multi-Level, Add	146.21	
		For 1,000mA Driver, Add	188.96	
		For >50 To 100, Deduct	-71.60	
		For >100 To 250, Deduct	-136.02	
		For >250 To 500, Deduct	-257.65	
		For >500, Deduct	-379.28	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 55 53 11-0236	EA		240 LEDs, 533 Watt, Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® Edge® FLD-EHO) For 3 Or 7-Pin NEMA Photocell Receptacle, Add For 5,000K Color Temperature, Add For Fuse, Add For 0 To 10 Volt Dimming, Add For Bird Spikes, Add For Multi-Level, Add For 1,000mA Driver, Add For 480 Volt, Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	4,389.76 22.49 56.24 67.48 67.48 74.35 146.21 188.96 202.45 -118.57 -228.32 -438.98 -649.64	176.54
26 55 53 11-0237			Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Lights (CREE® BetaLED® OSQ™) (26 55 53 11-0221) Note: UL wet listed. Includes 3,000K or 4,000K or 5,700K color temperature, 120/277 voltage, Class 1 driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 55 53 11-0238	EA		112 Watt, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-A-XXX-US-UL) For 3 Or 7-Pin NEMA Photocell Receptacle, Add For Front Facing Optics, Back Light Shield, Add For Rotated Optics, Back Light Shield, Add For Field Adjustable Output, Add For Fuse, Add For 0 To 10 Volt Dimming, Add For Multi-Level, Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	1,492.33 22.49 38.00 38.00 33.75 67.48 67.48 146.21 -44.50 -81.81 -149.23 -216.66	143.85
26 55 53 11-0239	EA		168 Watt, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-J-XXX-US-UL) Note: Type III, IV or V medium optics only. For 3 Or 7-Pin NEMA Photocell Receptacle, Add For Front Facing Optics, Back Light Shield, Add For Rotated Optics, Back Light Shield, Add For Field Adjustable Output, Add For Fuse, Add For 0 To 10 Volt Dimming, Add For Type II Medium Or Type V Short Optics, Add For Multi-Level, Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	1,598.62 22.49 38.00 38.00 33.75 67.48 67.48 329.00 146.21 -47.16 -87.12 -159.86 -232.60	143.85
26 55 53 11-0240	EA		223 Watt, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-S-XXX-US-UL) For 3 Or 7-Pin NEMA Photocell Receptacle, Add For Field Adjustable Output, Add For Front Facing Optics, Back Light Shield, Add For Rotated Optics, Back Light Shield, Add For Fuse, Add For 0 To 10 Volt Dimming, Add For Multi-Level, Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	2,053.73 22.49 33.75 45.99 45.99 67.48 67.48 146.21 -60.17 -111.51 -205.37 -299.23	176.54
26 55 53 11-0241			Flood Lights (PlanLED) (26 55 53 11)		
26 55 53 11-0242			Adjustable Arm Mount, LED Flood Lights (PlanLED WAPA) (26 55 53 11-0241)		
26 55 53 11-0243	EA		6,250 Lumens, 50 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP050) For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	661.84 -22.43 -38.98 -66.18 -93.39	117.70
26 55 53 11-0244	EA		9,375 Lumens, 75 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP075) For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	795.21 -26.09 -45.97 -79.52 -113.07	124.24
26 55 53 11-0245	EA		12,500 Lumens, 100 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP100) For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	919.79 -29.70 -52.69 -91.98 -131.27	134.04
26 55 53 11-0246			Adjustable Arm Mount, LED Sports Flood Lights (PlanLED SUFA) (26 55 53 11-0241)		

26	26 Electrical
	26 50 Lighting
	26 55 Special Purpose Lighting

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 55 53 11-0247	EA 21,000 Lumens, 200 Watt, LED Sports Flood Light (PlanLED SUFA SF200)	1,868.06		261.54
	For 0 To 10 Volt Dimming, Add	94.53		
	For >50 To 100, Deduct	-59.78		
	For >100 To 250, Deduct	-106.48		
	For >250 To 500, Deduct	-186.81		
	For >500, Deduct	-267.13		
26 55 53 11-0248	EA 42,000 Lumens, 400 Watt, LED Sports Flood Light (PlanLED SUFA SF400)	2,928.72		261.54
	For 0 To 10 Volt Dimming, Add	94.53		
	For >50 To 100, Deduct	-86.30		
	For >100 To 250, Deduct	-159.51		
	For >250 To 500, Deduct	-292.87		
	For >500, Deduct	-426.23		
26 55 53 11-0249	EA 84,000 Lumens, 800 Watt, LED Sports Flood Light (PlanLED SUFA SF800)	5,211.89		261.54
	For 0 To 10 Volt Dimming, Add	94.53		
	For >50 To 100, Deduct	-143.37		
	For >100 To 250, Deduct	-273.67		
	For >250 To 500, Deduct	-521.19		
	For >500, Deduct	-768.71		
26 55 53 11-0250	Adjustable Arm Mount, LED High Mast Flood Lights (PlanLED MAHA) (26 55 53 11-0241)			
26 55 53 11-0251	EA 26,000 Lumens, 200 Watt, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA200)	1,667.48		170.00
	For 0 To 10 Volt Dimming, Add	94.53		
	For 480 Volt, Add	142.15		
	For >50 To 100, Deduct	-50.19		
	For >100 To 250, Deduct	-91.87		
	For >250 To 500, Deduct	-166.75		
	For >500, Deduct	-241.62		
26 55 53 11-0252	EA 39,000 Lumens, 300 Watt, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA300)	2,144.18		176.54
	For 0 To 10 Volt Dimming, Add	94.53		
	For 480 Volt, Add	114.92		
	For >50 To 100, Deduct	-62.43		
	For >100 To 250, Deduct	-116.04		
	For >250 To 500, Deduct	-214.42		
	For >500, Deduct	-312.80		
26 55 53 11-0253	EA 52,000 Lumens, 400 Watt, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA400)	2,745.55		183.08
	For 0 To 10 Volt Dimming, Add	94.53		
	For 480 Volt, Add	93.24		
	For >50 To 100, Deduct	-77.79		
	For >100 To 250, Deduct	-146.43		
	For >250 To 500, Deduct	-274.56		
	For >500, Deduct	-402.68		
26 55 53 12	Security Hazardous Location Flood Lights (26 55 53)			
	Note: For general to heavy industrial applications in marine and corrosive environments. Class 1 Division 2.			
26 55 53 12-0001	Lithonia Hazardous Location Flood Lights (26 55 53 12)			
26 55 53 12-0002	HFR (Horizontally Oriented Mogul Base) Series Hazardous Location Flood Lights (26 55 53 12-0001)			
	Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.			
26 55 53 12-0003	High Pressure Sodium HFR Series Hazardous Location Flood Lights (26 55 53 12-0002)			
26 55 53 12-0004	EA 150 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,046.99		130.40
26 55 53 12-0005	EA 250 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,120.78		130.40
26 55 53 12-0006	EA 400 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,049.37		130.40
26 55 53 12-0007	Metal Halide HFR Series Lithonia Hazardous Location Flood Lights (26 55 53 12-0002)			
26 55 53 12-0008	EA 250 Watt Metal Halide HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,112.90		130.40
26 55 53 12-0009	EA 400 Watt Metal Halide HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,077.94		130.40
26 55 53 12-0010	HFM (Medium Base) Series Hazardous Location Flood Lights (26 55 53 12-0001)			
	Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.			
26 55 53 12-0011	High Pressure Sodium HFM Series Lithonia Hazardous Location Flood Lights (26 55 53 12-0010)			
26 55 53 12-0012	EA 100 Watt High Pressure Sodium HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	996.27		130.40
26 55 53 12-0013	EA 150 Watt High Pressure Sodium HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,040.31		130.40
26 55 53 12-0014	Metal Halide HFM Series Lithonia Hazardous Location Flood Lights (26 55 53 12-0010)			
26 55 53 12-0015	EA 175 Watt Metal Halide HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	877.26		130.40
26 55 53 12-0016	HFA (Large) Series Hazardous Location Flood Lights (26 55 53 12-0001)			
	Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.			

26 55 53 12-0017		High Pressure Sodium HFA Series Lithonia Hazardous Location Flood Lights (26 55 53 12-0016)		
26 55 53 12-0018	EA	250 Watt High Pressure Sodium HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,413.74	162.99
26 55 53 12-0019	EA	400 Watt High Pressure Sodium HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,435.16	162.99
26 55 53 12-0020		Metal Halide HFA Series Lithonia Hazardous Location Flood Lights (26 55 53 12-0016)		
26 55 53 12-0021	EA	250 Watt Metal Halide HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,406.60	162.99
26 55 53 12-0022	EA	400 Watt Metal Halide HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,435.16	162.99
26 55 53 12-0023		HFL (Medium) Series Hazardous Location Flood Lights (26 55 53 12-0001)		
Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.				
26 55 53 12-0024		High Pressure Sodium HFL Series Lithonia Hazardous Location Flood Lights (26 55 53 12-0023)		
26 55 53 12-0025	EA	400 Watt High Pressure Sodium HFL Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	1,043.15	146.70
26 55 53 12-0026		Metal Halide HFL Series Lithonia Hazardous Location Flood Lights (26 55 53 12-0023)		
26 55 53 12-0027	EA	400 Watt Metal Halide HFL Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	1,126.46	146.70
26 55 53 12-0028		Accessories For Lithonia Hazardous Location Flood Lights (26 55 53 12-0001)		
See CSI section 26 55 53 11-0099 for accessories.				
26 55 53 13		Security High Performance Flood Lights (26 55 53)		
Note: For airport aprons and parking areas.				
26 55 53 13-0001		Lithonia High Performance Flood Lights (26 55 53 13)		
26 55 53 13-0002		170S Series Lithonia High Performance Flood Lights (26 55 53 13-0001)		
Note: Die-cast aluminum housing welded seams, stainless steel hardware, corrosion resistant polyester powder finish, and thermal and shock resistant flat lens.				
26 55 53 13-0003		High Pressure Sodium 170S Series Lithonia High Performance Flood Lights (26 55 53 13-0002)		
26 55 53 13-0004	EA	250 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	2,459.58	195.59
26 55 53 13-0005	EA	400 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	2,654.76	195.59
26 55 53 13-0006	EA	750 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	2,664.28	195.59
26 55 53 13-0007	EA	1,000 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	2,961.81	195.59
26 55 53 13-0008		Metal Halide 170S Series Lithonia High Performance Flood Lights (26 55 53 13-0002)		
26 55 53 13-0009	EA	320 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	2,838.04	195.59
26 55 53 13-0010	EA	350 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	2,706.05	195.59
26 55 53 13-0011	EA	400 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	2,580.97	195.59
26 55 53 13-0012	EA	1,000 Watt Metal Halide 170S Series Lithonia High Performance Flood Light.....	2,704.74	195.59
26 55 53 13-0013		Accessories For Lithonia High Performance Flood Lights (26 55 53 13-0002)		
See CSI section 26 55 53 11-0099 for accessories.				
26 55 61		Theatrical Lighting (26 55)		
26 55 61 00-0001		Stage Lighting (26 55 61)		
26 55 61 00-0002	EA	Ellipsoidal Spotlight, Two 6" x 9" Lenses	649.66	142.61
Note: Stainless steel shutter blades, complete with color frame, c-clamp, safety cable, 20 amperes, 3 watts ground, male pin connector and high performance lamp.				
26 55 61 00-0003	EA	Ellipsoidal Spotlight, Two 6" x 12" Lenses	649.66	142.61
Note: Stainless steel shutter blades, complete with color frame, c-clamp, safety cable, 20 amperes, 3 watts ground, male pin connector and high performance lamp.				
26 55 61 00-0004	EA	Ellipsoidal Spotlight, Two 6" x 16" Lenses	649.66	142.61
Note: Stainless steel shutter blades, complete with color frame, c-clamp, safety cable, 20 amperes, 3 watts ground, male pin connector and high performance lamp.				
26 55 61 00-0005	EA	Ellipsoidal Spotlight, 15-30 Degree Zoom (Strand #11411).....	1,324.18	142.61
26 55 61 00-0006	EA	14" Scoop Floodlight Altman #SC14.....	671.08	142.61
26 55 61 00-0007	EA	6" Diameter Fresnel Spotlight, Spherical Specular Alzak1	526.19	142.61
Note: Reflector, heat resistant fresnel lens, slidefocus flood to spot, complete with yoke, c-clamp, safety cable, color frame, male pin connector and lamp.				
26 55 61 00-0008	EA	8" Diameter Fresnel Spotlight, Spherical Specular Alzak	871.87	142.61
Note: Reflector, heat resistant fresnel lens, slidefocus flood to spot, complete with yoke, C-clamp, safety cable, color frame, male pin connector and lamp.				
26 55 61 00-0009	EA	6" Diameter, 1000 Watt Fresnel Spotlight (Strand #12081).....	1,177.42	142.61
26 55 61 00-0010	EA	Follow Spotlight With Steel Chassis And Lightweight	2,311.74	142.61
Note: Aluminum housing, includes lamp adjustment plate, silent lamp fan, dowser, iris and clipper, rear lens control, coated lenses, six color boomerang, color fan, 34" x 34" castered stand.				
26 55 61 00-0011	EA	Follow Spotlight With Steel Chassis And Lightweight	2,788.49	142.61
Note: Aluminum housing, includes lamp adjustment plate, ballast, electronic power supply, stepdown transformer, silent lamp fan, dowser, iris and clipper, rear lens control, coated lenses, six color boomerang, color fan, 34" x 34" castered stand.				
26 55 61 00-0012	EA	1000 Watt Follow Spotlight With Stand Altman 1000Q.....	3,732.44	142.61
26 55 61 00-0013	EA	300 To 1000 Watt, PAR 64 Can Lighting With 20 Gauge Sheet Steel.....	478.21	142.61
Note: Formed lamp housing, hinged and latched rear housing secured by retention ring, safety cable, safety screen, PAR 64 lamp, male pin connector.				

26 Electrical**26 50 Lighting****26 55 Special Purpose Lighting**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 55 61 00-0014	LF	300 Watt Borderlight Sections Note: With continuous 5-3/4" x 6-3/4" housing, supported by wired on 3 or 4 circuits. Altman R40.	243.46	23.80
26 55 61 00-0015	EA	Dimmer Rack, Strand # CD80 SV.....	15,010.54	214.46
26 55 61 00-0016	EA	Control Modules, 12x2.4W Twist Lock Out Strand # CD-80, 73210	8,472.19	107.23
26 55 61 00-0017	EA	Control Modules, 12x2.4W Stage Pin Out Strand # CD-80, 73211.....	7,940.14	107.23
26 55 61 00-0018	EA	Control Modules, 12x2.4W Terminal Strip Out Strand # CD-80, 73214.....	8,606.62	107.23
26 55 61 00-0019	EA	Control Modules, 6x6 W Terminal Strip Out Strand # CD-80, 73224.....	8,577.82	107.23
26 55 61 00-0020	EA	Dimmer Modules, 2x2.4 W Dimmer Module Strand # CD-80, 3-081060010 Or 73214.....	1,067.96	53.61
26 55 61 00-0021	EA	Entrance Station Strand # 63021	921.19	53.61
26 55 61 00-0022	EA	Stage Manager Panel Strand # 63030.....	1,896.11	107.23
26 55 61 00-0023	EA	Control Console, Mantrix MX 24 Strand # 64125.....	6,821.49	214.46
26 55 61 00-0024	EA	6' Length, Multi-Lamp Compartmented Striplighting Luminaire..... Note: With continuous sheet steel housing, supported by 1-1/2" x 3/16" steel yoke with C-clamp, includes 30 lights per section wired on 3 circuits, alzak aluminum reflector with matte finish.	1,757.15	142.61
26 55 61 00-0025	EA	1,000 Watt, 25 To 125' Throw, Follow Spotlight (Times Square Lighting QF1000S)	3,006.52	142.61

26 55 68 Athletic Field Lighting (26 55)**26 55 68 00-0001 Sports Lighting System (26 55 68)**
Note: Musco.**26 55 68 00-0002 Round Steel Tapered Poles (26 55 68 00-0001)**
Note: With Internal wiring harness.

26 55 68 00-0003	EA	20' Steel Tapered Pole With Precast Concrete Foundation Sleeve	4,108.29	625.90
26 55 68 00-0004	EA	25' Steel Tapered Pole With Precast Concrete Foundation Sleeve	4,942.59	756.30
26 55 68 00-0005	EA	30' Steel Tapered Pole With Precast Concrete Foundation Sleeve	5,579.91	821.49
26 55 68 00-0006	EA	35' Steel Tapered Pole With Precast Concrete Foundation Sleeve	6,115.02	854.09
26 55 68 00-0007	EA	40' Steel Tapered Pole With Precast Concrete Foundation Sleeve	7,726.86	886.69
26 55 68 00-0008	EA	45' Steel Tapered Pole With Precast Concrete Foundation Sleeve	8,848.30	1,082.28
26 55 68 00-0009	EA	50' Steel Tapered Pole With Precast Concrete Foundation Sleeve	9,513.40	1,147.48
26 55 68 00-0010	EA	55' Steel Tapered Pole With Precast Concrete Foundation Sleeve	10,806.63	1,303.96
26 55 68 00-0011	EA	60' Steel Tapered Pole With Precast Concrete Foundation Sleeve	12,273.31	1,466.95
26 55 68 00-0012	EA	65' Steel Tapered Pole With Precast Concrete Foundation Sleeve	13,614.54	1,638.52
26 55 68 00-0013	EA	70' Steel Tapered Pole With Precast Concrete Foundation Sleeve	14,837.76	1,831.29
26 55 68 00-0014	EA	75' Steel Tapered Pole With Precast Concrete Foundation Sleeve	16,160.89	2,056.18
26 55 68 00-0015	EA	80' Steel Tapered Pole With Precast Concrete Foundation Sleeve	18,083.43	2,473.84

26 55 68 00-0016 Steel Pole Brackets (26 55 68 00-0001)

26 55 68 00-0017	EA	Two Light Bracket	740.20	65.20
26 55 68 00-0018	EA	Three Light Bracket	928.74	91.27
26 55 68 00-0019	EA	Four Light Bracket	1,348.02	110.84
26 55 68 00-0020	EA	Five Light Bracket	1,532.09	130.40
26 55 68 00-0021	EA	Six Light Bracket.....	1,861.69	149.95
26 55 68 00-0022	EA	Seven Light Bracket.....	2,131.90	169.52
26 55 68 00-0023	EA	Eight Light Bracket.....	2,439.35	195.59
26 55 68 00-0024	EA	Nine Light Bracket	2,758.08	215.15

26 55 68 00-0025 Light Fixtures (26 55 68 00-0001)

26 55 68 00-0026	EA	120 or 270 Volt, Sportlite Fixtures Complete with 1,000 Watt Metal Halide Lamp, Hook Cord And Plug	1,385.11	
		For 1,500 Watt Metal Halide Lamp, Add	15.61	

26 55 68 00-0027 Electrical Component Enclosure (26 55 68 00-0001)

Note: Pole mounted NEMA 3R enclosure with thermal magnetic breaker and multiple ballasts to match total light fixtures. For light structures with more than 6 lights, use multiple enclosures.

26 55 68 00-0028	EA	Electrical Component Enclosure For 2 Lights, Pole Mounted.....	1,035.27	76.29
26 55 68 00-0029	EA	Electrical Component Enclosure For 3 Lights, Pole Mounted.....	1,552.89	117.37
26 55 68 00-0030	EA	Electrical Component Enclosure For 4 Lights, Pole Mounted.....	1,782.29	146.71
26 55 68 00-0031	EA	Electrical Component Enclosure For 5 Lights, Pole Mounted.....	2,305.85	164.33
26 55 68 00-0032	EA	Electrical Component Enclosure For 6 Lights, Pole Mounted.....	2,594.12	176.06

26 55 68 00-0033 Accessories (26 55 68 00-0001)

26 55 68 00-0034	EA	Time Delay Kit (Musco®).....	1,021.21	235.14
26 55 68 00-0035	EA	Remote Switch Box Push Button (Musco®)	2,123.07	235.14
26 55 68 00-0036	EA	Push Button Strobe Kit (Musco®).....	2,563.81	235.14
26 55 68 00-0037	EA	Additional Control-Link Unit (Musco®).....	12,429.42	705.43
26 55 68 00-0038	EA	Auxiliary Brackets For Speakers Or Egress Fixtures, For New Installations (Musco®)	1,336.61	117.37
26 55 68 00-0039	EA	Auxiliary Brackets For Speakers Or Egress Fixtures, For Retrofit Applications (Musco®)	1,571.35	234.75

26 55 70 Healthcare Lighting (26 55)**26 55 70 00-0001 Surgical Lighting Fixtures (26 55 70)**

26 55 70 00-0002	EA	Surgical Lighting Fixture, 120 Volt, Max Va 126, 100 Volt Halogen.....	6,042.93	
26 55 70 00-0003	EA	Install Owner Furnished Surgical Lights.....	688.38	

26 55 70 00-0004 Patient Care Fluorescent Fixtures (26 55 70)

		Electrical	26	26
		Lighting	26 50	
		Special Purpose Lighting	26 55	
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
		UNIT COST	UNIT COST	

26 55 70 00-0005	Ambient And Exam Combination, Patient Care Fluorescent Fixtures (Cooper Fail-Safe) (26 55 70 00-0004) Note: Includes ambient and exam lights, 20 gauge steel housing with powder coated finish, acrylic diffuser and electronic ballast.			
26 55 70 00-0006	EA	2' x 2', 3 T8 Ambient Lamps, 2 T8 Exam Lamps, Multi-Function Patient Care Fluorescent Troffer (Cooper MAE)	1,502.62	53.99
26 55 70 00-0007	EA	2' x 4', 3 T8 Ambient Lamps, 2 T8 Exam Lamps, Multi-Function Patient Care Fluorescent Troffer (Cooper MAE)	1,659.58	53.99
26 55 70 00-0008	EA	2' x 4', 2 Biax Ambient Lamps, 4 Biax Exam Lamps, Multi-Function Patient Care Fluorescent Troffer (Cooper MPR2)	1,348.09	53.99
26 55 70 00-0009	Reading, Ambient And Exam Combination, Patient Care Fluorescent Fixtures (Cooper Fail-Safe) (26 55 70 00-0004) Note: Includes reading, ambient and exam lights, 20 gauge steel housing with powder coated finish, acrylic diffuser and electronic ballast.			
26 55 70 00-0010	EA	2' x 4', 1 Biax Reading Lamp, 2 Biax Ambient Lamps, 3 Biax Exam Lamps, Multi-Function Patient Care Fluorescent Troffer (Cooper MPR)	1,490.77	53.99
26 55 70 00-0011	Multi-Function Patient Care Fluorescent Fixtures (Day-Brite MPC) (26 55 70 00-0004) Note: Includes reading, ambient, exam and nurses light, steel housing with baked enamel finish, acrylic diffuser and electronic ballasts.			
26 55 70 00-0012	EA	2' x 4', 6 40W T5 Lamps, Multi-Function Patient Care Fluorescent Fixture (Day-Brite MPC)	2,266.49	53.99

26 56 Exterior Lighting (26 50)

26 56 13 Lighting Poles and Standards (26 56)

26 56 13 00-0001	Poles And Standards (26 56 13) See CSI section 26 05 46 00-0001 for additional pole.			
26 56 13 00-0002	Roadway Light Poles (26 56 13 00-0001) Note: Excludes lighting fixtures.			
26 56 13 00-0003	Steel Roadway Light Poles (26 56 13 00-0002) Note: Includes prime painted finish, anchor bolts, steel base with nut covers, reinforced handhole with cover and grounding provisions, and fixture arm(s).			
26 56 13 00-0004	Round Tapered, Steel Roadway Light Poles (26 56 13 00-0003)			
26 56 13 00-0005	Round Tapered, Steel Roadway Light Poles With Upsweep Style Arms (26 56 13 00-0004)			
26 56 13 00-0006	Round Tapered, Steel Roadway Light Poles With Single Upsweep Style Arm (26 56 13 00-0005)			
26 56 13 00-0007	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	2,885.52	391.19
		For Galvanized Finish, Add	63.09	
		For >10 To 20, Deduct	-72.14	
		For >20 To 40, Deduct	-144.28	
		For >40, Deduct	-235.97	
26 56 13 00-0008	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	2,890.72	391.19
		For Galvanized Finish, Add	63.25	
		For >10 To 20, Deduct	-72.27	
		For >20 To 40, Deduct	-144.54	
		For >40, Deduct	-236.36	
26 56 13 00-0009	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,182.31	521.58
		For Galvanized Finish, Add	64.17	
		For >10 To 20, Deduct	-79.56	
		For >20 To 40, Deduct	-159.12	
		For >40, Deduct	-264.75	
26 56 13 00-0010	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,244.82	521.58
		For Galvanized Finish, Add	66.05	
		For >10 To 20, Deduct	-81.12	
		For >20 To 40, Deduct	-162.24	
		For >40, Deduct	-269.44	
26 56 13 00-0011	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,307.32	521.58
		For Galvanized Finish, Add	67.92	
		For >10 To 20, Deduct	-82.68	
		For >20 To 40, Deduct	-165.37	
		For >40, Deduct	-274.13	
26 56 13 00-0012	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,450.88	586.78
		For Galvanized Finish, Add	68.32	
		For >10 To 20, Deduct	-86.27	
		For >20 To 40, Deduct	-172.54	
		For >40, Deduct	-288.16	
26 56 13 00-0013	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,480.52	586.78
		For Galvanized Finish, Add	69.21	
		For >10 To 20, Deduct	-87.01	
		For >20 To 40, Deduct	-174.03	
		For >40, Deduct	-290.38	

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 56 13 00-0014	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,486.16	586.78
		For Galvanized Finish, Add	69.38	
		For >10 To 20, Deduct	-87.15	
		For >20 To 40, Deduct	-174.31	
		For >40, Deduct	-290.80	
26 56 13 00-0015	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,656.58	619.38
		For Galvanized Finish, Add	72.53	
		For >10 To 20, Deduct	-91.41	
		For >20 To 40, Deduct	-182.83	
		For >40, Deduct	-305.21	
26 56 13 00-0016	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,678.96	619.38
		For Galvanized Finish, Add	73.21	
		For >10 To 20, Deduct	-91.97	
		For >20 To 40, Deduct	-183.95	
		For >40, Deduct	-306.89	
26 56 13 00-0017	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,703.41	619.38
		For Galvanized Finish, Add	73.94	
		For >10 To 20, Deduct	-92.59	
		For >20 To 40, Deduct	-185.17	
		For >40, Deduct	-308.72	
26 56 13 00-0018	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	4,206.51	651.98
		For Galvanized Finish, Add	87.08	
		For >10 To 20, Deduct	-105.16	
		For >20 To 40, Deduct	-210.33	
		For >40, Deduct	-348.09	
26 56 13 00-0019	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	4,214.48	651.98
		For Galvanized Finish, Add	87.32	
		For >10 To 20, Deduct	-105.36	
		For >20 To 40, Deduct	-210.72	
		For >40, Deduct	-348.69	
26 56 13 00-0020	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	4,222.36	651.98
		For Galvanized Finish, Add	87.55	
		For >10 To 20, Deduct	-105.56	
		For >20 To 40, Deduct	-211.12	
		For >40, Deduct	-349.28	

26 56 13 00-0021 Round Tapered, Steel Roadway Light Poles With Two Upsweep Style Arms
(26 56 13 00-0005)

26 56 13 00-0022	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,583.20	456.39
		For Galvanized Finish, Add	80.11	
		For >10 To 20, Deduct	-89.58	
		For >20 To 40, Deduct	-179.16	
		For >40, Deduct	-291.56	
26 56 13 00-0023	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,649.21	472.69
		For Galvanized Finish, Add	81.12	
		For >10 To 20, Deduct	-91.23	
		For >20 To 40, Deduct	-182.46	
		For >40, Deduct	-297.33	
26 56 13 00-0024	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	3,706.97	488.98
		For Galvanized Finish, Add	81.87	
		For >10 To 20, Deduct	-92.67	
		For >20 To 40, Deduct	-185.35	
		For >40, Deduct	-302.47	
26 56 13 00-0025	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,627.47	586.78
		For Galvanized Finish, Add	73.62	
		For >10 To 20, Deduct	-90.69	
		For >20 To 40, Deduct	-181.37	
		For >40, Deduct	-301.40	
26 56 13 00-0026	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,673.32	603.08
		For Galvanized Finish, Add	74.01	
		For >10 To 20, Deduct	-91.83	
		For >20 To 40, Deduct	-183.67	
		For >40, Deduct	-305.65	
26 56 13 00-0027	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	3,711.29	619.38
		For Galvanized Finish, Add	74.18	
		For >10 To 20, Deduct	-92.78	
		For >20 To 40, Deduct	-185.56	
		For >40, Deduct	-309.32	
26 56 13 00-0028	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,921.56	651.98
		For Galvanized Finish, Add	78.53	
		For >10 To 20, Deduct	-98.04	
		For >20 To 40, Deduct	-196.08	
		For >40, Deduct	-326.72	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0029	EA		30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	3,962.21	668.28
			For Galvanized Finish, Add.....	78.77	
			For >10 To 20, Deduct.....	-99.06	
			For >20 To 40, Deduct.....	-198.11	
			For >40, Deduct.....	-330.58	
26 56 13 00-0030	EA		30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	3,999.92	684.57
			For Galvanized Finish, Add.....	78.92	
			For >10 To 20, Deduct.....	-100.00	
			For >20 To 40, Deduct.....	-200.00	
			For >40, Deduct.....	-334.22	
26 56 13 00-0031	EA		35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	4,158.25	684.57
			For Galvanized Finish, Add.....	83.67	
			For >10 To 20, Deduct.....	-103.96	
			For >20 To 40, Deduct.....	-207.91	
			For >40, Deduct.....	-346.10	
26 56 13 00-0032	EA		35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	4,225.49	700.88
			For Galvanized Finish, Add.....	84.71	
			For >10 To 20, Deduct.....	-105.64	
			For >20 To 40, Deduct.....	-211.27	
			For >40, Deduct.....	-351.96	
26 56 13 00-0033	EA		35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	4,290.97	717.18
			For Galvanized Finish, Add.....	85.70	
			For >10 To 20, Deduct.....	-107.27	
			For >20 To 40, Deduct.....	-214.55	
			For >40, Deduct.....	-357.68	
26 56 13 00-0034	EA		40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	4,677.37	717.18
			For Galvanized Finish, Add.....	97.29	
			For >10 To 20, Deduct.....	-116.93	
			For >20 To 40, Deduct.....	-233.87	
			For >40, Deduct.....	-386.66	
26 56 13 00-0035	EA		40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	4,715.15	733.48
			For Galvanized Finish, Add.....	97.45	
			For >10 To 20, Deduct.....	-117.88	
			For >20 To 40, Deduct.....	-235.76	
			For >40, Deduct.....	-390.31	
26 56 13 00-0036	EA		40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	4,753.13	749.77
			For Galvanized Finish, Add.....	97.61	
			For >10 To 20, Deduct.....	-118.83	
			For >20 To 40, Deduct.....	-237.66	
			For >40, Deduct.....	-393.97	
26 56 13 00-0037 Round Tapered, Steel Roadway Light Poles With Three Upsweep Style Arms					
			(26 56 13 00-0005)		
26 56 13 00-0038	EA		25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base.....	4,248.77	651.98
			For Galvanized Finish, Add.....	88.34	
			For >10 To 20, Deduct.....	-106.22	
			For >20 To 40, Deduct.....	-212.44	
			For >40, Deduct.....	-351.26	
26 56 13 00-0039	EA		25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base.....	4,319.26	684.57
			For Galvanized Finish, Add.....	88.50	
			For >10 To 20, Deduct.....	-107.98	
			For >20 To 40, Deduct.....	-215.96	
			For >40, Deduct.....	-358.17	
26 56 13 00-0040	EA		25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base.....	4,397.62	717.18
			For Galvanized Finish, Add.....	88.90	
			For >10 To 20, Deduct.....	-109.94	
			For >20 To 40, Deduct.....	-219.88	
			For >40, Deduct.....	-365.68	
26 56 13 00-0041	EA		30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base.....	4,511.17	717.18
			For Galvanized Finish, Add.....	92.30	
			For >10 To 20, Deduct.....	-112.78	
			For >20 To 40, Deduct.....	-225.56	
			For >40, Deduct.....	-374.20	
26 56 13 00-0042	EA		30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base.....	4,584.15	749.77
			For Galvanized Finish, Add.....	92.54	
			For >10 To 20, Deduct.....	-114.60	
			For >20 To 40, Deduct.....	-229.21	
			For >40, Deduct.....	-381.30	
26 56 13 00-0043	EA		30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base.....	4,654.63	782.38
			For Galvanized Finish, Add.....	92.70	
			For >10 To 20, Deduct.....	-116.37	
			For >20 To 40, Deduct.....	-232.73	
			For >40, Deduct.....	-388.22	

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 56 13 00-0044	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms,		
		Anchor Base	4,792.53	749.77
		For Galvanized Finish, Add	98.79	
		For >10 To 20, Deduct	-119.81	
		For >20 To 40, Deduct	-239.63	
		For >40, Deduct	-396.93	
26 56 13 00-0045	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms,		
		Anchor Base	4,863.01	782.38
		For Galvanized Finish, Add	98.95	
		For >10 To 20, Deduct	-121.58	
		For >20 To 40, Deduct	-243.15	
		For >40, Deduct	-403.84	
26 56 13 00-0046	EA	35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms,		
		Anchor Base	4,933.49	814.97
		For Galvanized Finish, Add	99.11	
		For >10 To 20, Deduct	-123.34	
		For >20 To 40, Deduct	-246.67	
		For >40, Deduct	-410.76	
26 56 13 00-0047	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms,		
		Anchor Base	5,148.22	782.38
		For Galvanized Finish, Add	107.50	
		For >10 To 20, Deduct	-128.71	
		For >20 To 40, Deduct	-257.41	
		For >40, Deduct	-425.24	
26 56 13 00-0048	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms,		
		Anchor Base	5,218.44	814.97
		For Galvanized Finish, Add	107.65	
		For >10 To 20, Deduct	-130.46	
		For >20 To 40, Deduct	-260.92	
		For >40, Deduct	-432.13	
26 56 13 00-0049	EA	40' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms,		
		Anchor Base	5,294.21	847.57
		For Galvanized Finish, Add	107.97	
		For >10 To 20, Deduct	-132.36	
		For >20 To 40, Deduct	-264.71	
		For >40, Deduct	-439.44	

26 56 13 00-0050 Round Tapered, Steel Roadway Light Poles With Four Upsweep Style Arms

(26 56 13 00-0005)

26 56 13 00-0051	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms,		
		Anchor Base	4,722.23	717.18
		For Galvanized Finish, Add	98.64	
		For >10 To 20, Deduct	-118.06	
		For >20 To 40, Deduct	-236.11	
		For >40, Deduct	-390.03	
26 56 13 00-0052	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms,		
		Anchor Base	4,827.90	766.07
		For Galvanized Finish, Add	98.87	
		For >10 To 20, Deduct	-120.70	
		For >20 To 40, Deduct	-241.40	
		For >40, Deduct	-400.40	
26 56 13 00-0053	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms,		
		Anchor Base	4,930.90	814.97
		For Galvanized Finish, Add	99.03	
		For >10 To 20, Deduct	-123.27	
		For >20 To 40, Deduct	-246.55	
		For >40, Deduct	-410.57	
26 56 13 00-0054	EA	30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms,		
		Anchor Base	5,016.95	782.38
		For Galvanized Finish, Add	103.57	
		For >10 To 20, Deduct	-125.42	
		For >20 To 40, Deduct	-250.85	
		For >40, Deduct	-415.39	
26 56 13 00-0055	EA	30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms,		
		Anchor Base	5,120.29	831.27
		For Galvanized Finish, Add	103.73	
		For >10 To 20, Deduct	-128.01	
		For >20 To 40, Deduct	-256.01	
		For >40, Deduct	-425.59	
26 56 13 00-0056	EA	30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms,		
		Anchor Base	5,193.20	880.17
		For Galvanized Finish, Add	102.99	
		For >10 To 20, Deduct	-129.83	
		For >20 To 40, Deduct	-259.66	
		For >40, Deduct	-433.50	
26 56 13 00-0057	EA	35' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms,		
		Anchor Base	5,382.04	814.97
		For Galvanized Finish, Add	112.56	
		For >10 To 20, Deduct	-134.55	
		For >20 To 40, Deduct	-269.10	
		For >40, Deduct	-444.40	
26 56 13 00-0058	EA	35' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms,		
		Anchor Base	5,521.03	863.88
		For Galvanized Finish, Add	113.80	
		For >10 To 20, Deduct	-138.03	
		For >20 To 40, Deduct	-276.05	
		For >40, Deduct	-457.27	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0059	EA		35' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base.....	5,590.98	912.77
			For Galvanized Finish, Add.....	112.96	
			For >10 To 20, Deduct.....	-139.77	
			For >20 To 40, Deduct.....	-279.55	
			For >40, Deduct.....	-464.96	
26 56 13 00-0060	EA		40' High, 10.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	5,618.82	847.57
			For Galvanized Finish, Add.....	117.71	
			For >10 To 20, Deduct.....	-140.47	
			For >20 To 40, Deduct.....	-280.94	
			For >40, Deduct.....	-463.79	
26 56 13 00-0061	EA		40' High, 10.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	5,721.80	896.47
			For Galvanized Finish, Add.....	117.87	
			For >10 To 20, Deduct.....	-143.05	
			For >20 To 40, Deduct.....	-286.09	
			For >40, Deduct.....	-473.96	
26 56 13 00-0062	EA		40' High, 10.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base.....	5,827.48	945.37
			For Galvanized Finish, Add.....	118.10	
			For >10 To 20, Deduct.....	-145.69	
			For >20 To 40, Deduct.....	-291.37	
			For >40, Deduct.....	-484.33	
26 56 13 00-0063			Round Tapered, Steel Roadway Light Poles With Davit Style Arm (26 56 13 00-0004)		
26 56 13 00-0064			Round Tapered, Steel Roadway Light Poles With Single Davit Style Arm (26 56 13 00-0063)		
26 56 13 00-0065	EA		25' High, 6.4" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base.....	3,375.74	521.58
			For Galvanized Finish, Add.....	69.98	
			For >10 To 20, Deduct.....	-84.39	
			For >20 To 40, Deduct.....	-168.79	
			For >40, Deduct.....	-279.26	
26 56 13 00-0066	EA		30' High, 7.1" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base.....	3,818.74	586.78
			For Galvanized Finish, Add.....	79.36	
			For >10 To 20, Deduct.....	-95.47	
			For >20 To 40, Deduct.....	-190.94	
			For >40, Deduct.....	-315.74	
26 56 13 00-0067	EA		35' High, 7.8" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base.....	3,927.46	619.38
			For Galvanized Finish, Add.....	80.66	
			For >10 To 20, Deduct.....	-98.19	
			For >20 To 40, Deduct.....	-196.37	
			For >40, Deduct.....	-325.53	
26 56 13 00-0068	EA		40' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base.....	4,660.34	651.98
			For Galvanized Finish, Add.....	100.69	
			For >10 To 20, Deduct.....	-116.51	
			For >20 To 40, Deduct.....	-233.02	
			For >40, Deduct.....	-382.12	
26 56 13 00-0069			Round Tapered, Steel Roadway Light Poles With Truss Style Arms (26 56 13 00-0004)		
26 56 13 00-0070			Round Tapered, Steel Roadway Light Poles With Single Truss Style Arm (26 56 13 00-0069)		
26 56 13 00-0071	EA		25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base.....	4,309.46	521.58
			For Galvanized Finish, Add.....	97.99	
			For >10 To 20, Deduct.....	-107.74	
			For >20 To 40, Deduct.....	-215.47	
			For >40, Deduct.....	-349.29	
26 56 13 00-0072	EA		25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base.....	4,349.49	521.58
			For Galvanized Finish, Add.....	99.19	
			For >10 To 20, Deduct.....	-108.74	
			For >20 To 40, Deduct.....	-217.47	
			For >40, Deduct.....	-352.29	
26 56 13 00-0073	EA		25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	4,367.76	521.58
			For Galvanized Finish, Add.....	99.74	
			For >10 To 20, Deduct.....	-109.19	
			For >20 To 40, Deduct.....	-218.39	
			For >40, Deduct.....	-353.66	
26 56 13 00-0074	EA		30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base.....	4,479.88	586.78
			For Galvanized Finish, Add.....	99.19	
			For >10 To 20, Deduct.....	-112.00	
			For >20 To 40, Deduct.....	-223.99	
			For >40, Deduct.....	-365.33	
26 56 13 00-0075	EA		30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base.....	4,486.87	586.78
			For Galvanized Finish, Add.....	99.40	
			For >10 To 20, Deduct.....	-112.17	
			For >20 To 40, Deduct.....	-224.34	
			For >40, Deduct.....	-365.85	

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 56 13 00-0076	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	4,559.04	586.78
		For Galvanized Finish, Add	101.56	
		For >10 To 20, Deduct	-113.98	
		For >20 To 40, Deduct	-227.95	
		For >40, Deduct	-371.27	
26 56 13 00-0077	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	4,568.81	619.38
		For Galvanized Finish, Add	99.90	
		For >10 To 20, Deduct	-114.22	
		For >20 To 40, Deduct	-228.44	
		For >40, Deduct	-373.63	
26 56 13 00-0078	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	4,611.08	619.38
		For Galvanized Finish, Add	101.17	
		For >10 To 20, Deduct	-115.28	
		For >20 To 40, Deduct	-230.55	
		For >40, Deduct	-376.80	
26 56 13 00-0079	EA	35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	4,832.71	619.38
		For Galvanized Finish, Add	107.82	
		For >10 To 20, Deduct	-120.82	
		For >20 To 40, Deduct	-241.64	
		For >40, Deduct	-393.42	

26 56 13 00-0080 Round Tapered, Steel Roadway Light Poles With Two Truss Style Arms (26 56 13 00-0069)

26 56 13 00-0081	EA	25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	5,635.17	651.98
		For Galvanized Finish, Add	129.94	
		For >10 To 20, Deduct	-140.88	
		For >20 To 40, Deduct	-281.76	
		For >40, Deduct	-455.24	
26 56 13 00-0082	EA	25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	5,738.69	684.57
		For Galvanized Finish, Add	131.09	
		For >10 To 20, Deduct	-143.47	
		For >20 To 40, Deduct	-286.93	
		For >40, Deduct	-464.63	
26 56 13 00-0083	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	5,954.34	717.18
		For Galvanized Finish, Add	135.60	
		For >10 To 20, Deduct	-148.86	
		For >20 To 40, Deduct	-297.72	
		For >40, Deduct	-482.43	
26 56 13 00-0084	EA	30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	5,743.36	717.18
		For Galvanized Finish, Add	129.27	
		For >10 To 20, Deduct	-143.58	
		For >20 To 40, Deduct	-287.17	
		For >40, Deduct	-466.61	
26 56 13 00-0085	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	6,006.54	749.77
		For Galvanized Finish, Add	135.21	
		For >10 To 20, Deduct	-150.16	
		For >20 To 40, Deduct	-300.33	
		For >40, Deduct	-487.98	
26 56 13 00-0086	EA	30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	6,169.17	782.38
		For Galvanized Finish, Add	138.13	
		For >10 To 20, Deduct	-154.23	
		For >20 To 40, Deduct	-308.46	
		For >40, Deduct	-501.81	
26 56 13 00-0087	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	5,919.14	749.77
		For Galvanized Finish, Add	132.59	
		For >10 To 20, Deduct	-147.98	
		For >20 To 40, Deduct	-295.96	
		For >40, Deduct	-481.42	
26 56 13 00-0088	EA	35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	6,266.78	782.38
		For Galvanized Finish, Add	141.06	
		For >10 To 20, Deduct	-156.67	
		For >20 To 40, Deduct	-313.34	
		For >40, Deduct	-509.13	
26 56 13 00-0089	EA	35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	6,477.05	814.97
		For Galvanized Finish, Add	145.41	
		For >10 To 20, Deduct	-161.93	
		For >20 To 40, Deduct	-323.85	
		For >40, Deduct	-526.53	

26 56 13 00-0090 Aluminum Roadway Light Poles (26 56 13 00-0002)

Note: Includes satin finish, anchor bolts, cast aluminum base with nut covers, reinforced handhole with cover and grounding provisions, and fixture arm(s).

26 56 13 00-0091 Round Tapered, Aluminum Roadway Light Poles (26 56 13 00-0090)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0092			Round Tapered, Aluminum Roadway Light Poles With Upsweep Style Arms (26 56 13 00-0091)		
26 56 13 00-0093			Round Tapered, Aluminum Roadway Light Poles With Single Upsweep Style Arm (26 56 13 00-0092)		
26 56 13 00-0094	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	2,656.98	391.19
			For >10 To 20, Deduct.....	-66.42	
			For >20 To 40, Deduct.....	-132.85	
			For >40, Deduct.....	-218.83	
26 56 13 00-0095	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	2,679.68	391.19
			For >10 To 20, Deduct.....	-66.99	
			For >20 To 40, Deduct.....	-133.98	
			For >40, Deduct.....	-220.54	
26 56 13 00-0096	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	3,260.31	521.58
			For >10 To 20, Deduct.....	-81.51	
			For >20 To 40, Deduct.....	-163.02	
			For >40, Deduct.....	-270.60	
26 56 13 00-0097	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	3,303.19	521.58
			For >10 To 20, Deduct.....	-82.58	
			For >20 To 40, Deduct.....	-165.16	
			For >40, Deduct.....	-273.82	
26 56 13 00-0098	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base.....	3,342.62	521.58
			For >10 To 20, Deduct.....	-83.57	
			For >20 To 40, Deduct.....	-167.13	
			For >40, Deduct.....	-276.78	
26 56 13 00-0099	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	3,741.52	586.78
			For >10 To 20, Deduct.....	-93.54	
			For >20 To 40, Deduct.....	-187.08	
			For >40, Deduct.....	-309.95	
26 56 13 00-0100	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	3,777.69	586.78
			For >10 To 20, Deduct.....	-94.44	
			For >20 To 40, Deduct.....	-188.88	
			For >40, Deduct.....	-312.67	
26 56 13 00-0101	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base.....	3,818.15	586.78
			For >10 To 20, Deduct.....	-95.45	
			For >20 To 40, Deduct.....	-190.91	
			For >40, Deduct.....	-315.70	
26 56 13 00-0102	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	4,379.07	619.38
			For >10 To 20, Deduct.....	-109.48	
			For >20 To 40, Deduct.....	-218.95	
			For >40, Deduct.....	-359.40	
26 56 13 00-0103	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	4,415.15	619.38
			For >10 To 20, Deduct.....	-110.38	
			For >20 To 40, Deduct.....	-220.76	
			For >40, Deduct.....	-362.11	
26 56 13 00-0104	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base.....	4,445.38	619.38
			For >10 To 20, Deduct.....	-111.13	
			For >20 To 40, Deduct.....	-222.27	
			For >40, Deduct.....	-364.37	
26 56 13 00-0105			Round Tapered, Aluminum Roadway Light Poles With Two Upsweep Style Arms (26 56 13 00-0092)		
26 56 13 00-0106	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	3,045.00	456.39
			For >10 To 20, Deduct.....	-76.13	
			For >20 To 40, Deduct.....	-152.25	
			For >40, Deduct.....	-251.19	
26 56 13 00-0107	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	3,267.37	456.39
			For >10 To 20, Deduct.....	-81.68	
			For >20 To 40, Deduct.....	-163.37	
			For >40, Deduct.....	-267.87	
26 56 13 00-0108	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	3,375.91	488.98
			For >10 To 20, Deduct.....	-84.40	
			For >20 To 40, Deduct.....	-168.80	
			For >40, Deduct.....	-277.64	
26 56 13 00-0109	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	3,636.14	586.78
			For >10 To 20, Deduct.....	-90.90	
			For >20 To 40, Deduct.....	-181.81	
			For >40, Deduct.....	-302.05	
26 56 13 00-0110	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	3,810.29	603.08
			For >10 To 20, Deduct.....	-95.26	
			For >20 To 40, Deduct.....	-190.51	
			For >40, Deduct.....	-315.93	

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 56 13 00-0111	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	4,060.99	619.38
		For >10 To 20, Deduct	-101.52	
		For >20 To 40, Deduct	-203.05	
		For >40, Deduct	-335.54	
26 56 13 00-0112	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	4,195.29	651.98
		For >10 To 20, Deduct	-104.88	
		For >20 To 40, Deduct	-209.76	
		For >40, Deduct	-347.25	
26 56 13 00-0113	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	4,359.21	668.28
		For >10 To 20, Deduct	-108.98	
		For >20 To 40, Deduct	-217.96	
		For >40, Deduct	-360.35	
26 56 13 00-0114	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	4,559.04	684.57
		For >10 To 20, Deduct	-113.98	
		For >20 To 40, Deduct	-227.95	
		For >40, Deduct	-376.16	
26 56 13 00-0115	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	4,755.74	684.57
		For >10 To 20, Deduct	-118.89	
		For >20 To 40, Deduct	-237.79	
		For >40, Deduct	-390.91	
26 56 13 00-0116	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	5,197.74	700.88
		For >10 To 20, Deduct	-129.94	
		For >20 To 40, Deduct	-259.89	
		For >40, Deduct	-424.87	
26 56 13 00-0117	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	5,711.65	717.18
		For >10 To 20, Deduct	-142.79	
		For >20 To 40, Deduct	-285.58	
		For >40, Deduct	-464.23	

26 56 13 00-0118 Round Tapered, Aluminum Roadway Light Poles With Three Upsweep Style Arms

(26 56 13 00-0092)

26 56 13 00-0119	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base.....	3,533.37	521.58
		For >10 To 20, Deduct	-88.33	
		For >20 To 40, Deduct	-176.67	
		For >40, Deduct	-291.08	
26 56 13 00-0120	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base.....	3,778.44	554.18
		For >10 To 20, Deduct	-94.46	
		For >20 To 40, Deduct	-188.92	
		For >40, Deduct	-311.09	
26 56 13 00-0121	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base.....	4,297.69	651.98
		For >10 To 20, Deduct	-107.44	
		For >20 To 40, Deduct	-214.88	
		For >40, Deduct	-354.93	
26 56 13 00-0122	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base.....	4,481.84	684.57
		For >10 To 20, Deduct	-112.05	
		For >20 To 40, Deduct	-224.09	
		For >40, Deduct	-370.37	
26 56 13 00-0123	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base.....	4,693.71	717.18
		For >10 To 20, Deduct	-117.34	
		For >20 To 40, Deduct	-234.69	
		For >40, Deduct	-387.89	
26 56 13 00-0124	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base.....	4,861.30	749.77
		For >10 To 20, Deduct	-121.53	
		For >20 To 40, Deduct	-243.07	
		For >40, Deduct	-402.09	
26 56 13 00-0125	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base.....	5,074.28	749.77
		For >10 To 20, Deduct	-126.86	
		For >20 To 40, Deduct	-253.71	
		For >40, Deduct	-418.06	
26 56 13 00-0126	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base.....	5,517.45	782.38
		For >10 To 20, Deduct	-137.94	
		For >20 To 40, Deduct	-275.87	
		For >40, Deduct	-452.93	
26 56 13 00-0127	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base.....	11,624.39	814.97
		For >10 To 20, Deduct	-290.61	
		For >20 To 40, Deduct	-581.22	
		For >40, Deduct	-912.58	

26 56 13 00-0128 Round Tapered, Aluminum Roadway Light Poles With Four Upsweep Style Arms

(26 56 13 00-0092)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0129	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	3,663.21	586.78
			For >10 To 20, Deduct	-91.58	
			For >20 To 40, Deduct	-183.16	
			For >40, Deduct	-304.08	
26 56 13 00-0130	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	3,799.36	586.78
			For >10 To 20, Deduct	-94.98	
			For >20 To 40, Deduct	-189.97	
			For >40, Deduct	-314.29	
26 56 13 00-0131	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	4,702.18	717.18
			For >10 To 20, Deduct	-117.55	
			For >20 To 40, Deduct	-235.11	
			For >40, Deduct	-388.52	
26 56 13 00-0132	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	5,090.23	766.07
			For >10 To 20, Deduct	-127.26	
			For >20 To 40, Deduct	-254.51	
			For >40, Deduct	-420.07	
26 56 13 00-0133	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	5,308.29	782.38
			For >10 To 20, Deduct	-132.71	
			For >20 To 40, Deduct	-265.41	
			For >40, Deduct	-437.24	
26 56 13 00-0134	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	5,666.21	831.27
			For >10 To 20, Deduct	-141.66	
			For >20 To 40, Deduct	-283.31	
			For >40, Deduct	-466.53	
26 56 13 00-0135	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	5,589.35	814.97
			For >10 To 20, Deduct	-139.73	
			For >20 To 40, Deduct	-279.47	
			For >40, Deduct	-459.95	
26 56 13 00-0136	EA		35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	6,353.71	863.88
			For >10 To 20, Deduct	-158.84	
			For >20 To 40, Deduct	-317.69	
			For >40, Deduct	-519.72	
26 56 13 00-0137	EA		35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base.....	7,029.81	912.77
			For >10 To 20, Deduct	-175.75	
			For >20 To 40, Deduct	-351.49	
			For >40, Deduct	-572.87	
26 56 13 00-0138			Round Tapered, Aluminum Roadway Light Poles With Truss Style Arms (26 56 13 00-0091)		
26 56 13 00-0139			Round Tapered, Aluminum Roadway Light Poles With Single Truss Style Arm (26 56 13 00-0138)		
26 56 13 00-0140	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base.....	3,890.33	521.58
			For >10 To 20, Deduct	-97.26	
			For >20 To 40, Deduct	-194.52	
			For >40, Deduct	-317.85	
26 56 13 00-0141	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base.....	3,920.65	521.58
			For >10 To 20, Deduct	-98.02	
			For >20 To 40, Deduct	-196.03	
			For >40, Deduct	-320.13	
26 56 13 00-0142	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base.....	3,998.12	521.58
			For >10 To 20, Deduct	-99.95	
			For >20 To 40, Deduct	-199.91	
			For >40, Deduct	-325.94	
26 56 13 00-0143	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	4,114.37	521.58
			For >10 To 20, Deduct	-102.86	
			For >20 To 40, Deduct	-205.72	
			For >40, Deduct	-334.66	
26 56 13 00-0144	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base.....	4,380.18	586.78
			For >10 To 20, Deduct	-109.50	
			For >20 To 40, Deduct	-219.01	
			For >40, Deduct	-357.85	
26 56 13 00-0145	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base.....	4,448.54	586.78
			For >10 To 20, Deduct	-111.21	
			For >20 To 40, Deduct	-222.43	
			For >40, Deduct	-362.98	
26 56 13 00-0146	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base.....	4,521.45	586.78
			For >10 To 20, Deduct	-113.04	
			For >20 To 40, Deduct	-226.07	
			For >40, Deduct	-368.45	

26	26	Electrical
	26 50	Lighting
	26 56	Exterior Lighting



MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST

26 56 13 00-0147	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	4,961.27	586.78
		For >10 To 20, Deduct	-124.03	
		For >20 To 40, Deduct	-248.06	
		For >40, Deduct	-401.43	
26 56 13 00-0148	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base.....	4,758.15	619.38
		For >10 To 20, Deduct	-118.95	
		For >20 To 40, Deduct	-237.91	
		For >40, Deduct	-387.83	
26 56 13 00-0149	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base.....	5,322.51	619.38
		For >10 To 20, Deduct	-133.06	
		For >20 To 40, Deduct	-266.13	
		For >40, Deduct	-430.16	
26 56 13 00-0150	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base.....	5,377.47	619.38
		For >10 To 20, Deduct	-134.44	
		For >20 To 40, Deduct	-268.87	
		For >40, Deduct	-434.28	
26 56 13 00-0151	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	5,726.43	619.38
		For >10 To 20, Deduct	-143.16	
		For >20 To 40, Deduct	-286.32	
		For >40, Deduct	-460.45	
26 56 13 00-0152	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	6,044.69	619.38
		For >10 To 20, Deduct	-151.12	
		For >20 To 40, Deduct	-302.23	
		For >40, Deduct	-484.32	

26 56 13 00-0153 Round Tapered, Aluminum Roadway Light Poles With Two Truss Style Arms (26 56 13 00-0138)

26 56 13 00-0154	EA	25' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	5,047.50	651.98
		For >10 To 20, Deduct	-126.19	
		For >20 To 40, Deduct	-252.38	
		For >40, Deduct	-411.16	
26 56 13 00-0155	EA	25' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	5,190.17	684.57
		For >10 To 20, Deduct	-129.75	
		For >20 To 40, Deduct	-259.51	
		For >40, Deduct	-423.49	
26 56 13 00-0156	EA	25' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	5,305.22	717.18
		For >10 To 20, Deduct	-132.63	
		For >20 To 40, Deduct	-265.26	
		For >40, Deduct	-433.75	
26 56 13 00-0157	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	5,438.03	717.18
		For >10 To 20, Deduct	-135.95	
		For >20 To 40, Deduct	-271.90	
		For >40, Deduct	-443.71	
26 56 13 00-0158	EA	30' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	5,907.05	749.77
		For >10 To 20, Deduct	-147.68	
		For >20 To 40, Deduct	-295.35	
		For >40, Deduct	-480.52	
26 56 13 00-0159	EA	30' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	6,769.02	782.38
		For >10 To 20, Deduct	-169.23	
		For >20 To 40, Deduct	-338.45	
		For >40, Deduct	-546.80	
26 56 13 00-0160	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	6,546.08	749.77
		For >10 To 20, Deduct	-163.65	
		For >20 To 40, Deduct	-327.30	
		For >40, Deduct	-528.44	
26 56 13 00-0161	EA	35' High, 10" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	6,676.20	782.38
		For >10 To 20, Deduct	-166.91	
		For >20 To 40, Deduct	-333.81	
		For >40, Deduct	-539.83	
26 56 13 00-0162	EA	35' High, 10" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	8,103.92	814.97
		For >10 To 20, Deduct	-202.60	
		For >20 To 40, Deduct	-405.20	
		For >40, Deduct	-648.54	

26 56 13 00-0163 Round Tapered, Aluminum Roadway Light Poles With Davit Style Arm (26 56 13 00-0091)

26 56 13 00-0164 Round Tapered, Aluminum Roadway Light Poles With Single Davit Style Arm (26 56 13 00-0163)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0165	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	3,186.93	391.19
			For >10 To 20, Deduct	-79.67	
			For >20 To 40, Deduct	-159.35	
			For >40, Deduct	-258.58	
26 56 13 00-0166	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	3,272.58	391.19
			For >10 To 20, Deduct	-81.81	
			For >20 To 40, Deduct	-163.63	
			For >40, Deduct	-265.00	
26 56 13 00-0167	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	3,358.43	391.19
			For >10 To 20, Deduct	-83.96	
			For >20 To 40, Deduct	-167.92	
			For >40, Deduct	-271.44	
26 56 13 00-0168	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	3,797.97	521.58
			For >10 To 20, Deduct	-94.95	
			For >20 To 40, Deduct	-189.90	
			For >40, Deduct	-310.93	
26 56 13 00-0169	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	3,863.26	521.58
			For >10 To 20, Deduct	-96.58	
			For >20 To 40, Deduct	-193.16	
			For >40, Deduct	-315.82	
26 56 13 00-0170	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	3,934.60	521.58
			For >10 To 20, Deduct	-98.37	
			For >20 To 40, Deduct	-196.73	
			For >40, Deduct	-321.17	
26 56 13 00-0171	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	4,286.24	586.78
			For >10 To 20, Deduct	-107.16	
			For >20 To 40, Deduct	-214.31	
			For >40, Deduct	-350.81	
26 56 13 00-0172	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	4,374.88	586.78
			For >10 To 20, Deduct	-109.37	
			For >20 To 40, Deduct	-218.74	
			For >40, Deduct	-357.46	
26 56 13 00-0173	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	4,388.18	586.78
			For >10 To 20, Deduct	-109.70	
			For >20 To 40, Deduct	-219.41	
			For >40, Deduct	-358.45	
26 56 13 00-0174	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	4,666.82	619.38
			For >10 To 20, Deduct	-116.67	
			For >20 To 40, Deduct	-233.34	
			For >40, Deduct	-380.98	
26 56 13 00-0175	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	4,705.70	619.38
			For >10 To 20, Deduct	-117.64	
			For >20 To 40, Deduct	-235.29	
			For >40, Deduct	-383.90	
26 56 13 00-0176	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	4,796.84	619.38
			For >10 To 20, Deduct	-119.92	
			For >20 To 40, Deduct	-239.84	
			For >40, Deduct	-390.73	
26 56 13 00-0177			Area Light Poles (26 56 13 00-0001) Note: Excludes lighting fixtures.		
26 56 13 00-0178			Steel Area Light Poles (26 56 13 00-0177) Note: Includes powdercoat finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions, factory drilled fixture mounting holes and tenon, open or capped top.		
26 56 13 00-0179			Round Straight, Steel Area Light Poles (26 56 13 00-0178)		
26 56 13 00-0180			Round Straight, Steel Area Light Poles, Anchor Base (26 56 13 00-0179)		
26 56 13 00-0181	EA		10' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,478.88	228.19
			For Galvanized Finish, Add	30.67	
			For >10 To 20, Deduct	-52.31	
			For >20 To 40, Deduct	-94.39	
			For >40, Deduct	-199.01	
26 56 13 00-0182	EA		12' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,600.72	260.79
			For Galvanized Finish, Add	32.37	
			For >10 To 20, Deduct	-56.21	
			For >20 To 40, Deduct	-101.62	
			For >40, Deduct	-214.03	
26 56 13 00-0183	EA		14' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,787.71	293.39
			For Galvanized Finish, Add	36.03	
			For >10 To 20, Deduct	-62.71	
			For >20 To 40, Deduct	-113.40	
			For >40, Deduct	-238.82	
26 56 13 00-0184	EA		16' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,980.37	325.99
			For Galvanized Finish, Add	39.85	
			For >10 To 20, Deduct	-69.44	
			For >20 To 40, Deduct	-125.59	
			For >40, Deduct	-264.46	

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 56 13 00-0185	EA 18' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	2,102.22	358.58
	For Galvanized Finish, Add	41.55	
	For >10 To 20, Deduct	-73.33	
	For >20 To 40, Deduct	-132.81	
	For >40, Deduct	-279.47	
26 56 13 00-0186	EA 20' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	2,209.90	391.19
	For Galvanized Finish, Add	42.83	
	For >10 To 20, Deduct	-76.66	
	For >20 To 40, Deduct	-139.05	
	For >40, Deduct	-292.37	
26 56 13 00-0187	EA 10' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,552.52	228.19
	For Galvanized Finish, Add	32.88	
	For >10 To 20, Deduct	-55.25	
	For >20 To 40, Deduct	-99.55	
	For >40, Deduct	-210.06	
26 56 13 00-0188	EA 12' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,677.20	260.79
	For Galvanized Finish, Add	34.67	
	For >10 To 20, Deduct	-59.26	
	For >20 To 40, Deduct	-106.97	
	For >40, Deduct	-225.50	
26 56 13 00-0189	EA 14' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,940.66	293.39
	For Galvanized Finish, Add	40.62	
	For >10 To 20, Deduct	-68.82	
	For >20 To 40, Deduct	-124.11	
	For >40, Deduct	-261.76	
26 56 13 00-0190	EA 16' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	2,079.50	325.99
	For Galvanized Finish, Add	42.83	
	For >10 To 20, Deduct	-73.40	
	For >20 To 40, Deduct	-132.53	
	For >40, Deduct	-279.33	
26 56 13 00-0191	EA 18' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	2,209.85	358.58
	For Galvanized Finish, Add	44.78	
	For >10 To 20, Deduct	-77.64	
	For >20 To 40, Deduct	-140.35	
	For >40, Deduct	-295.62	
26 56 13 00-0192	EA 20' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	2,311.87	391.19
	For Galvanized Finish, Add	45.88	
	For >10 To 20, Deduct	-80.74	
	For >20 To 40, Deduct	-146.18	
	For >40, Deduct	-307.66	
26 56 13 00-0193	EA 25' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	2,677.46	521.58
	For Galvanized Finish, Add	49.03	
	For >10 To 20, Deduct	-91.45	
	For >20 To 40, Deduct	-166.56	
	For >40, Deduct	-349.46	
26 56 13 00-0194	EA 10' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,552.52	228.19
	For Galvanized Finish, Add	32.88	
	For >10 To 20, Deduct	-55.25	
	For >20 To 40, Deduct	-99.55	
	For >40, Deduct	-210.06	
26 56 13 00-0195	EA 12' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,685.69	260.79
	For Galvanized Finish, Add	34.92	
	For >10 To 20, Deduct	-59.60	
	For >20 To 40, Deduct	-107.57	
	For >40, Deduct	-226.77	
26 56 13 00-0196	EA 14' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,985.98	293.39
	For Galvanized Finish, Add	41.98	
	For >10 To 20, Deduct	-70.64	
	For >20 To 40, Deduct	-127.28	
	For >40, Deduct	-268.56	
26 56 13 00-0197	EA 16' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	2,088.00	325.99
	For Galvanized Finish, Add	43.08	
	For >10 To 20, Deduct	-73.74	
	For >20 To 40, Deduct	-133.12	
	For >40, Deduct	-280.60	
26 56 13 00-0198	EA 18' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	2,209.85	358.58
	For Galvanized Finish, Add	44.78	
	For >10 To 20, Deduct	-77.64	
	For >20 To 40, Deduct	-140.35	
	For >40, Deduct	-295.62	
26 56 13 00-0199	EA 20' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	2,311.87	391.19
	For Galvanized Finish, Add	45.88	
	For >10 To 20, Deduct	-80.74	
	For >20 To 40, Deduct	-146.18	
	For >40, Deduct	-307.66	
26 56 13 00-0200	EA 25' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	2,756.77	521.58
	For Galvanized Finish, Add	51.41	
	For >10 To 20, Deduct	-94.62	
	For >20 To 40, Deduct	-172.11	
	For >40, Deduct	-361.36	
26 56 13 00-0201	EA 30' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	3,034.44	586.78
	For Galvanized Finish, Add	55.83	
	For >10 To 20, Deduct	-103.77	
	For >20 To 40, Deduct	-188.94	
	For >40, Deduct	-396.49	
26 56 13 00-0202	EA 20' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	2,493.14	391.19
	For Galvanized Finish, Add	51.32	
	For >10 To 20, Deduct	-87.99	
	For >20 To 40, Deduct	-158.87	
	For >40, Deduct	-334.85	

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 56 13 00-0203	EA	25' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	2,793.59	521.58
		For Galvanized Finish, Add	52.51	
		For >10 To 20, Deduct	-96.10	
		For >20 To 40, Deduct	-174.69	
		For >40, Deduct	-366.88	
26 56 13 00-0204	EA	30' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	3,105.25	586.78
		For Galvanized Finish, Add	57.95	
		For >10 To 20, Deduct	-106.61	
		For >20 To 40, Deduct	-193.90	
		For >40, Deduct	-407.11	
26 56 13 00-0205		Round Tapered, Steel Area Light Poles (26 56 13 00-0178)		
26 56 13 00-0206		Round Tapered, Steel Area Light Poles, Anchor Base (26 56 13 00-0205)		
26 56 13 00-0207	EA	20' High, 5.90" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	3,133.26	391.19
		For Galvanized Finish, Add	70.53	
		For >10 To 20, Deduct	-113.59	
		For >20 To 40, Deduct	-203.68	
		For >40, Deduct	-430.87	
26 56 13 00-0208	EA	20' High, 6.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	3,221.07	391.19
		For Galvanized Finish, Add	73.16	
		For >10 To 20, Deduct	-117.11	
		For >20 To 40, Deduct	-209.83	
		For >40, Deduct	-444.04	
26 56 13 00-0209	EA	25' High, 5.90" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	3,674.46	521.58
		For Galvanized Finish, Add	78.94	
		For >10 To 20, Deduct	-131.33	
		For >20 To 40, Deduct	-236.35	
		For >40, Deduct	-499.01	
26 56 13 00-0210	EA	25' High, 7.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	3,855.73	521.58
		For Galvanized Finish, Add	84.38	
		For >10 To 20, Deduct	-138.58	
		For >20 To 40, Deduct	-249.04	
		For >40, Deduct	-526.20	
26 56 13 00-0211	EA	30' High, 6.60" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	4,088.09	586.78
		For Galvanized Finish, Add	87.44	
		For >10 To 20, Deduct	-145.92	
		For >20 To 40, Deduct	-262.70	
		For >40, Deduct	-554.54	
26 56 13 00-0212	EA	30' High, 8.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	4,391.16	586.78
		For Galvanized Finish, Add	96.53	
		For >10 To 20, Deduct	-158.04	
		For >20 To 40, Deduct	-283.91	
		For >40, Deduct	-600.00	
26 56 13 00-0213	EA	35' High, 7.30" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	4,518.67	619.38
		For Galvanized Finish, Add	98.40	
		For >10 To 20, Deduct	-162.17	
		For >20 To 40, Deduct	-291.53	
		For >40, Deduct	-615.86	
26 56 13 00-0214	EA	35' High, 8.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	4,705.61	619.38
		For Galvanized Finish, Add	104.01	
		For >10 To 20, Deduct	-169.64	
		For >20 To 40, Deduct	-304.62	
		For >40, Deduct	-643.90	
26 56 13 00-0215	EA	35' High, 9.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	5,153.12	619.38
		For Galvanized Finish, Add	117.43	
		For >10 To 20, Deduct	-187.54	
		For >20 To 40, Deduct	-335.94	
		For >40, Deduct	-711.03	
26 56 13 00-0216	EA	39' High, 7.82" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	5,184.33	651.98
		For Galvanized Finish, Add	116.41	
		For >10 To 20, Deduct	-187.81	
		For >20 To 40, Deduct	-336.82	
		For >40, Deduct	-712.45	
26 56 13 00-0217	EA	39' High, 9.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	5,263.64	651.98
		For Galvanized Finish, Add	118.79	
		For >10 To 20, Deduct	-190.99	
		For >20 To 40, Deduct	-342.38	
		For >40, Deduct	-724.35	
26 56 13 00-0218	EA	45' High, 10.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	7,181.49	847.57
		For Galvanized Finish, Add	164.59	
		For >10 To 20, Deduct	-261.83	
		For >20 To 40, Deduct	-468.80	
		For >40, Deduct	-992.47	
26 56 13 00-0219	EA	50' High, 10.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	7,425.29	977.97
		For Galvanized Finish, Add	164.08	
		For >10 To 20, Deduct	-267.67	
		For >20 To 40, Deduct	-480.65	
		For >40, Deduct	-1,016.00	
26 56 13 00-0220	EA	25' High, 7.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	5,084.99	521.58
		For Galvanized Finish, Add	121.25	
		For >10 To 20, Deduct	-187.75	
		For >20 To 40, Deduct	-335.09	
		For >40, Deduct	-710.59	
26 56 13 00-0221	EA	30' High, 8.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	5,776.19	586.78
		For Galvanized Finish, Add	138.08	
		For >10 To 20, Deduct	-213.44	
		For >20 To 40, Deduct	-380.86	
		For >40, Deduct	-807.75	

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 56 13 00-0222	EA 39' High, 9.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	6,710.99	651.98
	For Galvanized Finish, Add	162.21	
	For >10 To 20, Deduct	-248.88	
	For >20 To 40, Deduct	-443.69	
	For >40, Deduct	-941.45	
26 56 13 00-0223	EA 45' High, 10.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	8,065.20	847.57
	For Galvanized Finish, Add	191.10	
	For >10 To 20, Deduct	-297.18	
	For >20 To 40, Deduct	-530.66	
	For >40, Deduct	-1,125.02	
26 56 13 00-0224	EA 50' High, 10.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	9,419.29	977.97
	For Galvanized Finish, Add	223.90	
	For >10 To 20, Deduct	-347.43	
	For >20 To 40, Deduct	-620.23	
	For >40, Deduct	-1,315.10	
26 56 13 00-0225	EA 50' High, 11.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	10,572.07	977.97
	For Galvanized Finish, Add	258.48	
	For >10 To 20, Deduct	-393.54	
	For >20 To 40, Deduct	-700.93	
	For >40, Deduct	-1,488.01	
26 56 13 00-0226	EA 50' High, 13.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	14,424.12	977.97
	For Galvanized Finish, Add	374.05	
	For >10 To 20, Deduct	-547.63	
	For >20 To 40, Deduct	-970.57	
	For >40, Deduct	-2,065.82	
26 56 13 00-0227	EA 50' High, 13.00" Base OD, 3 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	16,293.50	977.97
	For Galvanized Finish, Add	430.13	
	For >10 To 20, Deduct	-622.40	
	For >20 To 40, Deduct	-1,101.43	
	For >40, Deduct	-2,346.23	

26 56 13 00-0228 Square Straight, Steel Area Light Poles (26 56 13 00-0178)

26 56 13 00-0229 Square Straight, Steel Area Light Poles, Anchor Base (26 56 13 00-0228)

26 56 13 00-0230	EA 10' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,456.22	228.19
	For Galvanized Finish, Add	29.99	
	For >10 To 20, Deduct	-51.40	
	For >20 To 40, Deduct	-92.81	
	For >40, Deduct	-195.61	
26 56 13 00-0231	EA 12' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,521.41	260.79
	For Galvanized Finish, Add	29.99	
	For >10 To 20, Deduct	-53.03	
	For >20 To 40, Deduct	-96.07	
	For >40, Deduct	-202.13	
26 56 13 00-0232	EA 14' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,634.76	293.39
	For Galvanized Finish, Add	31.44	
	For >10 To 20, Deduct	-56.59	
	For >20 To 40, Deduct	-102.70	
	For >40, Deduct	-215.88	
26 56 13 00-0233	EA 15' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,735.34	309.69
	For Galvanized Finish, Add	33.48	
	For >10 To 20, Deduct	-60.12	
	For >20 To 40, Deduct	-109.09	
	For >40, Deduct	-229.33	
26 56 13 00-0234	EA 16' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,767.94	325.99
	For Galvanized Finish, Add	33.48	
	For >10 To 20, Deduct	-60.94	
	For >20 To 40, Deduct	-110.72	
	For >40, Deduct	-232.59	
26 56 13 00-0235	EA 18' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,864.30	358.58
	For Galvanized Finish, Add	34.41	
	For >10 To 20, Deduct	-63.81	
	For >20 To 40, Deduct	-116.16	
	For >40, Deduct	-243.79	
26 56 13 00-0236	EA 20' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,954.99	391.19
	For Galvanized Finish, Add	35.18	
	For >10 To 20, Deduct	-66.46	
	For >20 To 40, Deduct	-121.20	
	For >40, Deduct	-254.13	
26 56 13 00-0237	EA 25' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	2,385.72	521.58
	For Galvanized Finish, Add	40.28	
	For >10 To 20, Deduct	-79.78	
	For >20 To 40, Deduct	-146.14	
	For >40, Deduct	-305.70	
26 56 13 00-0238	EA 20' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	2,337.36	391.19
	For Galvanized Finish, Add	46.65	
	For >10 To 20, Deduct	-81.76	
	For >20 To 40, Deduct	-147.97	
	For >40, Deduct	-311.49	
26 56 13 00-0239	EA 25' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	2,912.55	521.58
	For Galvanized Finish, Add	56.08	
	For >10 To 20, Deduct	-100.85	
	For >20 To 40, Deduct	-183.02	
	For >40, Deduct	-384.72	
26 56 13 00-0240	EA 30' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	3,351.67	586.78
	For Galvanized Finish, Add	65.34	
	For >10 To 20, Deduct	-116.46	
	For >20 To 40, Deduct	-211.15	
	For >40, Deduct	-444.07	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0241	EA	20' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	2,232.56	391.19	
		For Galvanized Finish, Add	43.51		
		For >10 To 20, Deduct	-77.57		
		For >20 To 40, Deduct	-140.63		
		For >40, Deduct	-295.77		
26 56 13 00-0242	EA	25' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	2,708.62	521.58	
		For Galvanized Finish, Add	49.96		
		For >10 To 20, Deduct	-92.70		
		For >20 To 40, Deduct	-168.74		
		For >40, Deduct	-354.13		
26 56 13 00-0243	EA	30' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	3,176.06	586.78	
		For Galvanized Finish, Add	60.08		
		For >10 To 20, Deduct	-109.44		
		For >20 To 40, Deduct	-198.85		
		For >40, Deduct	-417.73		
26 56 13 00-0244	EA	20' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	2,592.28	391.19	
		For Galvanized Finish, Add	54.30		
		For >10 To 20, Deduct	-91.96		
		For >20 To 40, Deduct	-165.81		
		For >40, Deduct	-349.72		
26 56 13 00-0245	EA	25' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	3,167.46	521.58	
		For Galvanized Finish, Add	63.73		
		For >10 To 20, Deduct	-111.05		
		For >20 To 40, Deduct	-200.86		
		For >40, Deduct	-422.96		
26 56 13 00-0246	EA	30' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	3,592.42	586.78	
		For Galvanized Finish, Add	72.57		
		For >10 To 20, Deduct	-126.09		
		For >20 To 40, Deduct	-228.00		
		For >40, Deduct	-480.19		
26 56 13 00-0247	EA	35' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	4,008.84	619.38	
		For Galvanized Finish, Add	83.10		
		For >10 To 20, Deduct	-141.77		
		For >20 To 40, Deduct	-255.84		
		For >40, Deduct	-539.39		
26 56 13 00-0248	EA	30' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	4,150.40	586.78	
		For Galvanized Finish, Add	89.31		
		For >10 To 20, Deduct	-148.41		
		For >20 To 40, Deduct	-267.06		
		For >40, Deduct	-563.88		
26 56 13 00-0249	EA	35' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	4,569.65	619.38	
		For Galvanized Finish, Add	99.93		
		For >10 To 20, Deduct	-164.20		
		For >20 To 40, Deduct	-295.10		
		For >40, Deduct	-623.51		
26 56 13 00-0250	EA	40' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	4,835.95	651.98	
		For Galvanized Finish, Add	105.96		
		For >10 To 20, Deduct	-173.88		
		For >20 To 40, Deduct	-312.44		
		For >40, Deduct	-660.19		
26 56 13 00-0251		Hinged, Square Straight, Steel Area Light Poles (26 56 13 00-0178)			
26 56 13 00-0252		Hinged, Square Straight, Steel Area Light Poles, Anchor Base (26 56 13 00-0251)			
26 56 13 00-0253	EA	20' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	5,479.07	391.19	
		For Galvanized Finish, Add	140.90		
		For >10 To 20, Deduct	-207.43		
		For >20 To 40, Deduct	-367.89		
		For >40, Deduct	-782.74		
26 56 13 00-0254	EA	25' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	6,059.20	521.58	
		For Galvanized Finish, Add	150.48		
		For >10 To 20, Deduct	-226.72		
		For >20 To 40, Deduct	-403.28		
		For >40, Deduct	-856.72		
26 56 13 00-0255	EA	30' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	8,575.60	586.78	
		For Galvanized Finish, Add	222.06		
		For >10 To 20, Deduct	-325.42		
		For >20 To 40, Deduct	-576.82		
		For >40, Deduct	-1,227.66		
26 56 13 00-0256	EA	20' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	5,593.55	391.19	
		For Galvanized Finish, Add	144.34		
		For >10 To 20, Deduct	-212.01		
		For >20 To 40, Deduct	-375.90		
		For >40, Deduct	-799.91		
26 56 13 00-0257	EA	25' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	6,725.00	521.58	
		For Galvanized Finish, Add	170.45		
		For >10 To 20, Deduct	-253.35		
		For >20 To 40, Deduct	-449.89		
		For >40, Deduct	-956.59		
26 56 13 00-0258	EA	30' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	9,566.76	586.78	
		For Galvanized Finish, Add	251.80		
		For >10 To 20, Deduct	-365.07		
		For >20 To 40, Deduct	-646.20		
		For >40, Deduct	-1,376.34		
26 56 13 00-0259	EA	35' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	11,014.75	619.38	
		For Galvanized Finish, Add	293.28		
		For >10 To 20, Deduct	-422.01		
		For >20 To 40, Deduct	-746.26		
		For >40, Deduct	-1,590.27		

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 56 13 00-0260	EA 39' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	12,999.00	651.98
	For Galvanized Finish, Add	350.85	
	For >10 To 20, Deduct	-500.40	
	For >20 To 40, Deduct	-883.85	
	For >40, Deduct	-1,884.65	
26 56 13 00-0261	EA 20' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	5,298.32	391.19
	For Galvanized Finish, Add	135.48	
	For >10 To 20, Deduct	-200.20	
	For >20 To 40, Deduct	-355.23	
	For >40, Deduct	-755.63	
26 56 13 00-0262	EA 25' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	5,769.99	521.58
	For Galvanized Finish, Add	141.80	
	For >10 To 20, Deduct	-215.15	
	For >20 To 40, Deduct	-383.04	
	For >40, Deduct	-813.34	
26 56 13 00-0263	EA 30' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	8,066.46	586.78
	For Galvanized Finish, Add	206.79	
	For >10 To 20, Deduct	-305.06	
	For >20 To 40, Deduct	-541.18	
	For >40, Deduct	-1,151.29	
26 56 13 00-0264	EA 20' High, 6.44" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	5,506.19	391.19
	For Galvanized Finish, Add	141.71	
	For >10 To 20, Deduct	-208.51	
	For >20 To 40, Deduct	-369.79	
	For >40, Deduct	-786.81	
26 56 13 00-0265	EA 25' High, 6.44" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	6,453.86	521.58
	For Galvanized Finish, Add	162.32	
	For >10 To 20, Deduct	-242.51	
	For >20 To 40, Deduct	-430.91	
	For >40, Deduct	-915.92	
26 56 13 00-0266	EA 30' High, 6.44" OD, 7 Gauge, Hinged Square Straight, Steel Area Light Pole, Anchor Base	9,190.18	586.78
	For Galvanized Finish, Add	240.50	
	For >10 To 20, Deduct	-350.00	
	For >20 To 40, Deduct	-619.84	
	For >40, Deduct	-1,319.85	
26 56 13 00-0267	EA 20' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	5,825.53	391.19
	For Galvanized Finish, Add	151.29	
	For >10 To 20, Deduct	-221.29	
	For >20 To 40, Deduct	-392.14	
	For >40, Deduct	-834.71	
26 56 13 00-0268	EA 25' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	7,029.27	521.58
	For Galvanized Finish, Add	179.58	
	For >10 To 20, Deduct	-265.52	
	For >20 To 40, Deduct	-471.19	
	For >40, Deduct	-1,002.23	
26 56 13 00-0269	EA 30' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	9,868.02	586.78
	For Galvanized Finish, Add	260.83	
	For >10 To 20, Deduct	-377.12	
	For >20 To 40, Deduct	-667.29	
	For >40, Deduct	-1,421.53	
26 56 13 00-0270	EA 35' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	11,382.30	619.38
	For Galvanized Finish, Add	304.31	
	For >10 To 20, Deduct	-436.71	
	For >20 To 40, Deduct	-771.99	
	For >40, Deduct	-1,645.41	
26 56 13 00-0271	EA 39' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	13,194.82	651.98
	For Galvanized Finish, Add	356.73	
	For >10 To 20, Deduct	-508.23	
	For >20 To 40, Deduct	-897.56	
	For >40, Deduct	-1,914.03	

26 56 13 00-0272 Square Tapered, Steel Area Light Poles (26 56 13 00-0178)

26 56 13 00-0273 Square Tapered, Steel Area Light Poles, Anchor Base (26 56 13 00-0272)

26 56 13 00-0274	EA 20' High, 5.25" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	4,087.78	391.19
	For Galvanized Finish, Add	99.16	
	For >10 To 20, Deduct	-151.78	
	For >20 To 40, Deduct	-270.50	
	For >40, Deduct	-574.05	
26 56 13 00-0275	EA 25' High, 6.00" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	4,932.04	521.58
	For Galvanized Finish, Add	116.67	
	For >10 To 20, Deduct	-181.63	
	For >20 To 40, Deduct	-324.38	
	For >40, Deduct	-687.65	
26 56 13 00-0276	EA 30' High, 6.41" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	5,484.46	586.78
	For Galvanized Finish, Add	129.33	
	For >10 To 20, Deduct	-201.78	
	For >20 To 40, Deduct	-360.44	
	For >40, Deduct	-763.99	
26 56 13 00-0277	EA 35' High, 6.81" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	6,107.64	619.38
	For Galvanized Finish, Add	146.07	
	For >10 To 20, Deduct	-225.72	
	For >20 To 40, Deduct	-402.76	
	For >40, Deduct	-854.21	
26 56 13 00-0278	EA 39' High, 7.18" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	6,439.08	651.98
	For Galvanized Finish, Add	154.05	
	For >10 To 20, Deduct	-238.00	
	For >20 To 40, Deduct	-424.66	
	For >40, Deduct	-900.66	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0279	EA		20' High, 5.50" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	5,359.52	391.19
			For Galvanized Finish, Add	137.31	
			For >10 To 20, Deduct	-202.65	
			For >20 To 40, Deduct	-359.52	
			For >40, Deduct	-764.61	
26 56 13 00-0280	EA		25' High, 6.41" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	5,929.04	521.58
			For Galvanized Finish, Add	146.58	
			For >10 To 20, Deduct	-221.51	
			For >20 To 40, Deduct	-394.17	
			For >40, Deduct	-837.20	
26 56 13 00-0281	EA		30' High, 6.41" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	6,300.19	586.78
			For Galvanized Finish, Add	153.80	
			For >10 To 20, Deduct	-234.40	
			For >20 To 40, Deduct	-417.54	
			For >40, Deduct	-886.35	
26 56 13 00-0282	EA		30' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	7,047.94	586.78
			For Galvanized Finish, Add	176.23	
			For >10 To 20, Deduct	-264.31	
			For >20 To 40, Deduct	-469.88	
			For >40, Deduct	-998.51	
26 56 13 00-0283	EA		35' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	7,651.29	619.38
			For Galvanized Finish, Add	192.38	
			For >10 To 20, Deduct	-287.47	
			For >20 To 40, Deduct	-510.82	
			For >40, Deduct	-1,085.76	
26 56 13 00-0284	EA		35' High, 7.88" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	8,577.48	619.38
			For Galvanized Finish, Add	220.16	
			For >10 To 20, Deduct	-324.52	
			For >20 To 40, Deduct	-575.65	
			For >40, Deduct	-1,224.68	
26 56 13 00-0285	EA		39' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	7,758.98	651.98
			For Galvanized Finish, Add	193.65	
			For >10 To 20, Deduct	-290.80	
			For >20 To 40, Deduct	-517.05	
			For >40, Deduct	-1,098.65	
26 56 13 00-0286	EA		39' High, 8.75" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	10,039.05	651.98
			For Galvanized Finish, Add	262.05	
			For >10 To 20, Deduct	-382.00	
			For >20 To 40, Deduct	-676.65	
			For >40, Deduct	-1,440.66	
26 56 13 00-0287	EA		45' High, 7.88" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	9,110.35	847.57
			For Galvanized Finish, Add	222.46	
			For >10 To 20, Deduct	-338.99	
			For >20 To 40, Deduct	-603.82	
			For >40, Deduct	-1,281.80	
26 56 13 00-0288	EA		45' High, 8.75" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	10,665.33	847.57
			For Galvanized Finish, Add	269.11	
			For >10 To 20, Deduct	-401.19	
			For >20 To 40, Deduct	-712.67	
			For >40, Deduct	-1,515.04	
26 56 13 00-0289	EA		50' High, 8.81" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	11,005.43	977.97
			For Galvanized Finish, Add	271.48	
			For >10 To 20, Deduct	-410.88	
			For >20 To 40, Deduct	-731.26	
			For >40, Deduct	-1,553.02	
26 56 13 00-0290			Factory Accessories For Steel Area Light Poles (26 56 13 00-0178)		
26 56 13 00-0291	EA		1/2", 3/4" Or 1" Factory Threaded Pipe Coupling Or Nipple For Steel Area Light Poles	100.42	
26 56 13 00-0292	EA		Extra Handhole For Steel Area Light Poles	149.34	
26 56 13 00-0293	EA		Vibration Dampener For Steel Area Light Poles	151.92	
26 56 13 00-0294			Aluminum Area Light Poles (26 56 13 00-0177)		
			Note: Includes satin brushed or painted finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions, factory drilled fixture mounting holes and tenon, open or capped top.		
26 56 13 00-0295			Round Straight, Aluminum Area Light Poles (26 56 13 00-0294)		
26 56 13 00-0296			Round Straight, Aluminum Area Light Poles, Anchor Base (26 56 13 00-0295)		
26 56 13 00-0297	EA		8' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	806.81	195.59
			For Bronze Or Satin Anodized Finish, Add	41.56	
			For Black Anodized Finish, Add	83.12	
			For >10 To 20, Deduct	-26.40	
			For >20 To 40, Deduct	-48.65	
			For >40, Deduct	-101.46	
26 56 13 00-0298	EA		10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	893.32	228.19
			For Bronze Or Satin Anodized Finish, Add	43.69	
			For Black Anodized Finish, Add	87.39	
			For >10 To 20, Deduct	-28.89	
			For >20 To 40, Deduct	-53.40	
			For >40, Deduct	-111.18	
26 56 13 00-0299	EA		12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	985.15	260.79
			For Bronze Or Satin Anodized Finish, Add	46.36	
			For Black Anodized Finish, Add	92.71	
			For >10 To 20, Deduct	-31.58	
			For >20 To 40, Deduct	-58.53	
			For >40, Deduct	-121.69	

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 56 13 00-0300	EA	14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	1,078.06	293.39
		For Bronze Or Satin Anodized Finish, Add	49.13	
		For Black Anodized Finish, Add	98.26	
		For >10 To 20, Deduct	-34.32	
		For >20 To 40, Deduct	-63.73	
		For >40, Deduct	-132.37	
26 56 13 00-0301	EA	15' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	1,128.78	309.69
		For Bronze Or Satin Anodized Finish, Add	50.94	
		For Black Anodized Finish, Add	101.88	
		For >10 To 20, Deduct	-35.86	
		For >20 To 40, Deduct	-66.63	
		For >40, Deduct	-138.35	
26 56 13 00-0302	EA	16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	1,178.43	325.99
		For Bronze Or Satin Anodized Finish, Add	52.65	
		For Black Anodized Finish, Add	105.29	
		For >10 To 20, Deduct	-37.36	
		For >20 To 40, Deduct	-69.45	
		For >40, Deduct	-144.17	
26 56 13 00-0303	EA	16' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,242.37	325.99
		For Bronze Or Satin Anodized Finish, Add	59.04	
		For Black Anodized Finish, Add	118.08	
		For >10 To 20, Deduct	-39.92	
		For >20 To 40, Deduct	-73.93	
		For >40, Deduct	-153.76	
26 56 13 00-0304	EA	18' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,348.06	358.58
		For Bronze Or Satin Anodized Finish, Add	63.09	
		For Black Anodized Finish, Add	126.18	
		For >10 To 20, Deduct	-43.16	
		For >20 To 40, Deduct	-80.02	
		For >40, Deduct	-166.35	
26 56 13 00-0305	EA	20' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,447.36	391.19
		For Bronze Or Satin Anodized Finish, Add	66.50	
		For Black Anodized Finish, Add	133.00	
		For >10 To 20, Deduct	-46.16	
		For >20 To 40, Deduct	-85.67	
		For >40, Deduct	-177.99	
26 56 13 00-0306	EA	15' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,364.29	309.69
		For Bronze Or Satin Anodized Finish, Add	74.49	
		For Black Anodized Finish, Add	148.98	
		For >10 To 20, Deduct	-45.28	
		For >20 To 40, Deduct	-83.11	
		For >40, Deduct	-173.67	
26 56 13 00-0307	EA	20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,682.88	391.19
		For Bronze Or Satin Anodized Finish, Add	90.05	
		For Black Anodized Finish, Add	180.10	
		For >10 To 20, Deduct	-55.58	
		For >20 To 40, Deduct	-102.15	
		For >40, Deduct	-213.31	
26 56 13 00-0308	EA	20' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,802.24	391.19
		For Bronze Or Satin Anodized Finish, Add	101.99	
		For Black Anodized Finish, Add	203.97	
		For >10 To 20, Deduct	-60.35	
		For >20 To 40, Deduct	-110.51	
		For >40, Deduct	-231.22	
26 56 13 00-0309	EA	25' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	2,174.92	521.58
		For Bronze Or Satin Anodized Finish, Add	113.18	
		For Black Anodized Finish, Add	226.35	
		For >10 To 20, Deduct	-71.35	
		For >20 To 40, Deduct	-131.38	
		For >40, Deduct	-274.08	
26 56 13 00-0310	EA	30' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	2,517.38	586.78
		For Bronze Or Satin Anodized Finish, Add	134.38	
		For Black Anodized Finish, Add	268.76	
		For >10 To 20, Deduct	-83.09	
		For >20 To 40, Deduct	-152.75	
		For >40, Deduct	-318.93	
26 56 13 00-0311	EA	20' High, 4" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	1,520.90	391.19
		For Bronze Or Satin Anodized Finish, Add	73.85	
		For Black Anodized Finish, Add	147.70	
		For >10 To 20, Deduct	-49.10	
		For >20 To 40, Deduct	-90.82	
		For >40, Deduct	-189.02	
26 56 13 00-0312	EA	20' High, 5" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	1,792.64	391.19
		For Bronze Or Satin Anodized Finish, Add	101.03	
		For Black Anodized Finish, Add	202.05	
		For >10 To 20, Deduct	-59.97	
		For >20 To 40, Deduct	-109.84	
		For >40, Deduct	-229.78	
26 56 13 00-0313	EA	25' High, 5" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	2,157.87	521.58
		For Bronze Or Satin Anodized Finish, Add	111.47	
		For Black Anodized Finish, Add	222.94	
		For >10 To 20, Deduct	-70.67	
		For >20 To 40, Deduct	-130.19	
		For >40, Deduct	-271.52	
26 56 13 00-0314	EA	25' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	2,312.39	521.58
		For Bronze Or Satin Anodized Finish, Add	126.92	
		For Black Anodized Finish, Add	253.84	
		For >10 To 20, Deduct	-76.85	
		For >20 To 40, Deduct	-141.00	
		For >40, Deduct	-294.70	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0315	EA		30' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	2,692.15	586.78
			For Bronze, Satin Or Black Anodized Finish, Add	151.86	
			For Black Anodized Finish, Add	303.72	
			For >10 To 20, Deduct	-90.08	
			For >20 To 40, Deduct	-164.98	
			For >40, Deduct	-345.14	
26 56 13 00-0316 Round Straight, Aluminum Area Light Poles, Hinged Anchor Base (26 56 13 00-0295)					
26 56 13 00-0317	EA		8' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	915.50	195.59
			For Bronze, Satin Or Black Anodized Finish, Add	78.65	
			For >10 To 20, Deduct	-30.75	
			For >20 To 40, Deduct	-56.26	
			For >40, Deduct	-117.77	
26 56 13 00-0318	EA		10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,023.33	228.19
			For Bronze, Satin Or Black Anodized Finish, Add	85.04	
			For >10 To 20, Deduct	-34.09	
			For >20 To 40, Deduct	-62.51	
			For >40, Deduct	-130.68	
26 56 13 00-0319	EA		12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,126.89	260.79
			For Bronze, Satin Or Black Anodized Finish, Add	90.80	
			For >10 To 20, Deduct	-37.25	
			For >20 To 40, Deduct	-68.45	
			For >40, Deduct	-142.95	
26 56 13 00-0320	EA		14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,210.20	293.39
			For Bronze, Satin Or Black Anodized Finish, Add	93.51	
			For >10 To 20, Deduct	-39.61	
			For >20 To 40, Deduct	-72.98	
			For >40, Deduct	-152.19	
26 56 13 00-0321	EA		16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,306.31	325.99
			For Bronze, Satin Or Black Anodized Finish, Add	98.15	
			For >10 To 20, Deduct	-42.47	
			For >20 To 40, Deduct	-78.40	
			For >40, Deduct	-163.35	
26 56 13 00-0322	EA		10' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,045.71	228.19
			For Bronze, Satin Or Black Anodized Finish, Add	88.40	
			For >10 To 20, Deduct	-34.98	
			For >20 To 40, Deduct	-64.07	
			For >40, Deduct	-134.04	
26 56 13 00-0323	EA		12' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,147.13	260.79
			For Bronze, Satin Or Black Anodized Finish, Add	93.83	
			For >10 To 20, Deduct	-38.06	
			For >20 To 40, Deduct	-69.87	
			For >40, Deduct	-145.99	
26 56 13 00-0324	EA		14' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,251.76	293.39
			For Bronze, Satin Or Black Anodized Finish, Add	99.75	
			For >10 To 20, Deduct	-41.27	
			For >20 To 40, Deduct	-75.89	
			For >40, Deduct	-158.43	
26 56 13 00-0325	EA		16' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,355.33	325.99
			For Bronze, Satin Or Black Anodized Finish, Add	105.50	
			For >10 To 20, Deduct	-44.43	
			For >20 To 40, Deduct	-81.83	
			For >40, Deduct	-170.70	
26 56 13 00-0326	EA		18' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,464.22	358.58
			For Bronze, Satin Or Black Anodized Finish, Add	112.06	
			For >10 To 20, Deduct	-47.81	
			For >20 To 40, Deduct	-88.15	
			For >40, Deduct	-183.77	
26 56 13 00-0327	EA		20' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,566.72	391.19
			For Bronze, Satin Or Black Anodized Finish, Add	117.65	
			For >10 To 20, Deduct	-50.93	
			For >20 To 40, Deduct	-94.02	
			For >40, Deduct	-195.89	
26 56 13 00-0328	EA		12' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,188.70	260.79
			For Bronze, Satin Or Black Anodized Finish, Add	100.07	
			For >10 To 20, Deduct	-39.72	
			For >20 To 40, Deduct	-72.78	
			For >40, Deduct	-152.23	
26 56 13 00-0329	EA		14' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,300.79	293.39
			For Bronze, Satin Or Black Anodized Finish, Add	107.10	
			For >10 To 20, Deduct	-43.23	
			For >20 To 40, Deduct	-79.32	
			For >40, Deduct	-165.78	
26 56 13 00-0330	EA		16' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,411.81	325.99
			For Bronze, Satin Or Black Anodized Finish, Add	113.97	
			For >10 To 20, Deduct	-46.69	
			For >20 To 40, Deduct	-85.79	
			For >40, Deduct	-179.17	
26 56 13 00-0331	EA		18' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,524.97	358.58
			For Bronze, Satin Or Black Anodized Finish, Add	121.17	
			For >10 To 20, Deduct	-50.24	
			For >20 To 40, Deduct	-92.40	
			For >40, Deduct	-192.89	
26 56 13 00-0332	EA		16' High, 6" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,471.49	325.99
			For Bronze, Satin Or Black Anodized Finish, Add	122.93	
			For >10 To 20, Deduct	-49.08	
			For >20 To 40, Deduct	-89.96	
			For >40, Deduct	-188.12	

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 56 13 00-0333	EA	20' High, 6" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,706.32	391.19
		For Bronze, Satin Or Black Anodized Finish, Add	138.59	
		For >10 To 20, Deduct	-56.52	
		For >20 To 40, Deduct	-103.79	
		For >40, Deduct	-216.83	
26 56 13 00-0334	EA	12' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,228.13	260.79
		For Bronze, Satin Or Black Anodized Finish, Add	105.98	
		For >10 To 20, Deduct	-41.30	
		For >20 To 40, Deduct	-75.54	
		For >40, Deduct	-158.14	
26 56 13 00-0335	EA	14' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,351.94	293.39
		For Bronze, Satin Or Black Anodized Finish, Add	114.77	
		For >10 To 20, Deduct	-45.28	
		For >20 To 40, Deduct	-82.90	
		For >40, Deduct	-173.45	
26 56 13 00-0336	EA	16' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,465.09	325.99
		For Bronze, Satin Or Black Anodized Finish, Add	121.97	
		For >10 To 20, Deduct	-48.82	
		For >20 To 40, Deduct	-89.52	
		For >40, Deduct	-187.16	
26 56 13 00-0337	EA	18' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,584.64	358.58
		For Bronze, Satin Or Black Anodized Finish, Add	130.12	
		For >10 To 20, Deduct	-52.63	
		For >20 To 40, Deduct	-96.58	
		For >40, Deduct	-201.84	
26 56 13 00-0338	EA	20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,701.00	391.19
		For Bronze, Satin Or Black Anodized Finish, Add	137.79	
		For >10 To 20, Deduct	-56.30	
		For >20 To 40, Deduct	-103.42	
		For >40, Deduct	-216.03	
26 56 13 00-0339	EA	16' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,542.89	325.99
		For Bronze, Satin Or Black Anodized Finish, Add	133.64	
		For >10 To 20, Deduct	-51.94	
		For >20 To 40, Deduct	-94.96	
		For >40, Deduct	-198.83	
26 56 13 00-0340	EA	18' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,672.03	358.58
		For Bronze, Satin Or Black Anodized Finish, Add	143.23	
		For >10 To 20, Deduct	-56.12	
		For >20 To 40, Deduct	-102.70	
		For >40, Deduct	-214.95	
26 56 13 00-0341	EA	20' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,734.03	391.19
		For Bronze, Satin Or Black Anodized Finish, Add	142.75	
		For >10 To 20, Deduct	-57.63	
		For >20 To 40, Deduct	-105.73	
		For >40, Deduct	-220.99	

26 56 13 00-0342 Round Straight, Aluminum Area Light Poles, Direct Burial (26 56 13 00-0295)

Note: Includes rubberized undercoating on embedded portion.

26 56 13 00-0343	EA	10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	718.16	162.99
		For Bronze Or Satin Anodized Finish, Add	39.22	
		For Black Anodized Finish, Add	78.43	
		For >10 To 20, Deduct	-23.84	
		For >20 To 40, Deduct	-43.75	
		For >40, Deduct	-91.42	
26 56 13 00-0344	EA	12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	771.00	179.29
		For Bronze Or Satin Anodized Finish, Add	41.24	
		For Black Anodized Finish, Add	82.48	
		For >10 To 20, Deduct	-25.46	
		For >20 To 40, Deduct	-46.80	
		For >40, Deduct	-97.72	
26 56 13 00-0345	EA	14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	851.56	195.59
		For Bronze Or Satin Anodized Finish, Add	46.04	
		For Black Anodized Finish, Add	92.07	
		For >10 To 20, Deduct	-28.19	
		For >20 To 40, Deduct	-51.79	
		For >40, Deduct	-108.17	
26 56 13 00-0346	EA	15' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	876.07	195.59
		For Bronze Or Satin Anodized Finish, Add	48.49	
		For Black Anodized Finish, Add	96.98	
		For >10 To 20, Deduct	-29.17	
		For >20 To 40, Deduct	-53.50	
		For >40, Deduct	-111.85	
26 56 13 00-0347	EA	16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	906.98	195.59
		For Bronze Or Satin Anodized Finish, Add	51.58	
		For Black Anodized Finish, Add	103.16	
		For >10 To 20, Deduct	-30.41	
		For >20 To 40, Deduct	-55.66	
		For >40, Deduct	-116.49	
26 56 13 00-0348	EA	18' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,033.35	211.90
		For Bronze Or Satin Anodized Finish, Add	60.96	
		For Black Anodized Finish, Add	121.91	
		For >10 To 20, Deduct	-34.98	
		For >20 To 40, Deduct	-63.86	
		For >40, Deduct	-133.81	
26 56 13 00-0349	EA	20' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,105.39	228.19
		For Bronze Or Satin Anodized Finish, Add	64.90	
		For Black Anodized Finish, Add	129.80	
		For >10 To 20, Deduct	-37.37	
		For >20 To 40, Deduct	-68.25	
		For >40, Deduct	-142.99	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0350	EA	20'	High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,270.57	228.19
			For Bronze Or Satin Anodized Finish, Add	81.42	
			For Black Anodized Finish, Add	162.84	
			For >10 To 20, Deduct	-43.98	
			For >20 To 40, Deduct	-79.81	
			For >40, Deduct	-167.77	
26 56 13 00-0351	EA	25'	High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,547.83	260.79
			For Bronze Or Satin Anodized Finish, Add	102.63	
			For Black Anodized Finish, Add	205.25	
			For >10 To 20, Deduct	-54.09	
			For >20 To 40, Deduct	-97.92	
			For >40, Deduct	-206.10	
26 56 13 00-0352	EA	30'	High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,755.83	293.39
			For Bronze Or Satin Anodized Finish, Add	116.91	
			For Black Anodized Finish, Add	233.81	
			For >10 To 20, Deduct	-61.43	
			For >20 To 40, Deduct	-111.17	
			For >40, Deduct	-234.04	
26 56 13 00-0353	EA	30'	High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Direct Burial	1,950.85	293.39
			For Bronze Or Satin Anodized Finish, Add	136.41	
			For Black Anodized Finish, Add	272.81	
			For >10 To 20, Deduct	-69.23	
			For >20 To 40, Deduct	-124.82	
			For >40, Deduct	-263.29	
26 56 13 00-0354			Round Tapered, Aluminum Area Light Poles (26 56 13 00-0294)		
26 56 13 00-0355			Round Tapered, Aluminum Area Light Poles, Anchor Base (26 56 13 00-0354)		
26 56 13 00-0356	EA	8'	High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	692.78	195.59
			For Bronze Or Satin Anodized Finish, Add	30.16	
			For Black Anodized Finish, Add	60.32	
			For >10 To 20, Deduct	-21.84	
			For >20 To 40, Deduct	-40.67	
			For >40, Deduct	-84.36	
26 56 13 00-0357	EA	10'	High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	782.49	228.19
			For Bronze Or Satin Anodized Finish, Add	32.61	
			For Black Anodized Finish, Add	65.22	
			For >10 To 20, Deduct	-24.45	
			For >20 To 40, Deduct	-45.65	
			For >40, Deduct	-94.55	
26 56 13 00-0358	EA	12'	High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	872.19	260.79
			For Bronze Or Satin Anodized Finish, Add	35.06	
			For Black Anodized Finish, Add	70.12	
			For >10 To 20, Deduct	-27.06	
			For >20 To 40, Deduct	-50.62	
			For >40, Deduct	-104.75	
26 56 13 00-0359	EA	14'	High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	971.49	293.39
			For Bronze Or Satin Anodized Finish, Add	38.47	
			For Black Anodized Finish, Add	76.94	
			For >10 To 20, Deduct	-30.06	
			For >20 To 40, Deduct	-56.27	
			For >40, Deduct	-116.38	
26 56 13 00-0360	EA	16'	High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,069.73	325.99
			For Bronze Or Satin Anodized Finish, Add	41.78	
			For Black Anodized Finish, Add	83.55	
			For >10 To 20, Deduct	-33.01	
			For >20 To 40, Deduct	-61.84	
			For >40, Deduct	-127.86	
26 56 13 00-0361	EA	10'	High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	810.20	228.19
			For Bronze Or Satin Anodized Finish, Add	35.38	
			For Black Anodized Finish, Add	70.76	
			For >10 To 20, Deduct	-25.56	
			For >20 To 40, Deduct	-47.59	
			For >40, Deduct	-98.71	
26 56 13 00-0362	EA	12'	High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	915.88	260.79
			For Bronze Or Satin Anodized Finish, Add	39.43	
			For Black Anodized Finish, Add	78.86	
			For >10 To 20, Deduct	-28.81	
			For >20 To 40, Deduct	-53.68	
			For >40, Deduct	-111.30	
26 56 13 00-0363	EA	14'	High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,018.38	293.39
			For Bronze Or Satin Anodized Finish, Add	43.16	
			For Black Anodized Finish, Add	86.32	
			For >10 To 20, Deduct	-31.93	
			For >20 To 40, Deduct	-59.55	
			For >40, Deduct	-123.42	
26 56 13 00-0364	EA	18'	High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,215.92	358.58
			For Bronze Or Satin Anodized Finish, Add	49.87	
			For Black Anodized Finish, Add	99.75	
			For >10 To 20, Deduct	-37.88	
			For >20 To 40, Deduct	-70.77	
			For >40, Deduct	-146.53	
26 56 13 00-0365	EA	20'	High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,307.76	391.19
			For Bronze Or Satin Anodized Finish, Add	52.54	
			For Black Anodized Finish, Add	105.08	
			For >10 To 20, Deduct	-40.57	
			For >20 To 40, Deduct	-75.90	
			For >40, Deduct	-157.05	

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

26 56 13 00-0366	EA 12' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	955.31	260.79
	For Bronze Or Satin Anodized Finish, Add	43.37	
	For Black Anodized Finish, Add	86.75	
	For >10 To 20, Deduct	-30.39	
	For >20 To 40, Deduct	-56.44	
	For >40, Deduct	-117.22	
26 56 13 00-0367	EA 14' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,064.20	293.39
	For Bronze Or Satin Anodized Finish, Add	47.74	
	For Black Anodized Finish, Add	95.48	
	For >10 To 20, Deduct	-33.77	
	For >20 To 40, Deduct	-62.76	
	For >40, Deduct	-130.29	
26 56 13 00-0368	EA 16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,180.56	325.99
	For Bronze Or Satin Anodized Finish, Add	52.86	
	For Black Anodized Finish, Add	105.72	
	For >10 To 20, Deduct	-37.44	
	For >20 To 40, Deduct	-69.60	
	For >40, Deduct	-144.49	
26 56 13 00-0369	EA 18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,277.73	358.58
	For Bronze Or Satin Anodized Finish, Add	56.06	
	For Black Anodized Finish, Add	112.11	
	For >10 To 20, Deduct	-40.35	
	For >20 To 40, Deduct	-75.10	
	For >40, Deduct	-155.80	
26 56 13 00-0370	EA 20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,389.82	391.19
	For Bronze Or Satin Anodized Finish, Add	60.74	
	For Black Anodized Finish, Add	121.49	
	For >10 To 20, Deduct	-43.86	
	For >20 To 40, Deduct	-81.64	
	For >40, Deduct	-169.35	
26 56 13 00-0371	EA 16' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,284.99	325.99
	For Bronze Or Satin Anodized Finish, Add	63.30	
	For Black Anodized Finish, Add	126.60	
	For >10 To 20, Deduct	-41.62	
	For >20 To 40, Deduct	-76.91	
	For >40, Deduct	-160.15	
26 56 13 00-0372	EA 18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,410.94	358.58
	For Bronze Or Satin Anodized Finish, Add	69.38	
	For Black Anodized Finish, Add	138.75	
	For >10 To 20, Deduct	-45.68	
	For >20 To 40, Deduct	-84.42	
	For >40, Deduct	-175.78	
26 56 13 00-0373	EA 20' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,493.19	391.19
	For Bronze Or Satin Anodized Finish, Add	71.08	
	For Black Anodized Finish, Add	142.16	
	For >10 To 20, Deduct	-47.99	
	For >20 To 40, Deduct	-88.88	
	For >40, Deduct	-184.86	
26 56 13 00-0374	EA 23' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,718.42	456.39
	For Bronze Or Satin Anodized Finish, Add	80.57	
	For Black Anodized Finish, Add	161.13	
	For >10 To 20, Deduct	-55.05	
	For >20 To 40, Deduct	-102.03	
	For >40, Deduct	-212.12	
26 56 13 00-0375	EA 25' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,950.06	521.58
	For Bronze Or Satin Anodized Finish, Add	90.69	
	For Black Anodized Finish, Add	181.38	
	For >10 To 20, Deduct	-62.35	
	For >20 To 40, Deduct	-115.64	
	For >40, Deduct	-240.35	
26 56 13 00-0376	EA 18' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,515.37	358.58
	For Bronze Or Satin Anodized Finish, Add	79.82	
	For Black Anodized Finish, Add	159.64	
	For >10 To 20, Deduct	-49.86	
	For >20 To 40, Deduct	-91.73	
	For >40, Deduct	-191.45	
26 56 13 00-0377	EA 20' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,620.00	391.19
	For Bronze Or Satin Anodized Finish, Add	83.76	
	For Black Anodized Finish, Add	167.52	
	For >10 To 20, Deduct	-53.06	
	For >20 To 40, Deduct	-97.75	
	For >40, Deduct	-203.88	
26 56 13 00-0378	EA 23' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,818.60	456.39
	For Bronze Or Satin Anodized Finish, Add	90.58	
	For Black Anodized Finish, Add	181.17	
	For >10 To 20, Deduct	-59.05	
	For >20 To 40, Deduct	-109.05	
	For >40, Deduct	-227.15	
26 56 13 00-0379	EA 25' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,026.79	521.58
	For Bronze Or Satin Anodized Finish, Add	98.36	
	For Black Anodized Finish, Add	196.72	
	For >10 To 20, Deduct	-65.42	
	For >20 To 40, Deduct	-121.01	
	For >40, Deduct	-251.86	
26 56 13 00-0380	EA 28' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,178.31	554.18
	For Bronze Or Satin Anodized Finish, Add	106.99	
	For Black Anodized Finish, Add	213.99	
	For >10 To 20, Deduct	-70.51	
	For >20 To 40, Deduct	-130.31	
	For >40, Deduct	-271.33	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0381	EA	30'	High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	2,331.95 115.84 231.68 -75.67 -139.77 -291.11	586.78
26 56 13 00-0382	EA	23'	High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,917.71 100.49 200.99 -63.02 -115.98 -242.02	456.39
26 56 13 00-0383	EA	25'	High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	2,092.86 104.97 209.94 -68.07 -125.64 -261.77	521.58
26 56 13 00-0384	EA	28'	High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	2,249.71 114.13 228.27 -73.36 -135.31 -282.04	554.18
26 56 13 00-0385	EA	30'	High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	2,442.78 126.92 253.84 -80.11 -147.52 -307.74	586.78
26 56 13 00-0386	EA	33'	High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	2,523.34 131.72 263.44 -82.84 -152.51 -318.19	603.08
26 56 13 00-0387	EA	35'	High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	2,684.89 144.61 289.23 -88.81 -163.17 -340.80	619.38
26 56 13 00-0388	EA	12'	High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	999.00 47.74 95.48 -32.14 -59.50 -123.77	260.79
26 56 13 00-0389	EA	14'	High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,115.36 52.86 105.72 -35.81 -66.34 -137.97	293.39
26 56 13 00-0390	EA	16'	High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,235.97 58.40 116.80 -39.66 -73.48 -152.80	325.99
26 56 13 00-0391	EA	18'	High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,344.87 62.77 125.54 -43.04 -79.80 -165.87	358.58
26 56 13 00-0392	EA	20'	High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,452.69 67.03 134.06 -46.37 -86.04 -178.78	391.19
26 56 13 00-0393	EA	16'	High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,352.13 70.02 140.03 -44.31 -81.61 -170.22	325.99
26 56 13 00-0394	EA	18'	High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,481.27 76.41 152.82 -48.49 -89.35 -186.33	358.58
26 56 13 00-0395	EA	20'	High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,577.38 79.50 159.00 -51.36 -94.77 -197.49	391.19

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 56 13 00-0396	EA	23' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,797.28	456.39
		For Bronze Or Satin Anodized Finish, Add	88.45	
		For Black Anodized Finish, Add	176.90	
		For >10 To 20, Deduct	-58.20	
		For >20 To 40, Deduct	-107.55	
		For >40, Deduct	-223.95	
26 56 13 00-0397	EA	25' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,023.60	521.58
		For Bronze Or Satin Anodized Finish, Add	98.04	
		For Black Anodized Finish, Add	196.09	
		For >10 To 20, Deduct	-65.30	
		For >20 To 40, Deduct	-120.79	
		For >40, Deduct	-251.38	
26 56 13 00-0398	EA	23' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,038.13	456.39
		For Bronze Or Satin Anodized Finish, Add	112.54	
		For Black Anodized Finish, Add	225.07	
		For >10 To 20, Deduct	-67.83	
		For >20 To 40, Deduct	-124.41	
		For >40, Deduct	-260.08	
26 56 13 00-0399	EA	25' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,252.72	521.58
		For Bronze Or Satin Anodized Finish, Add	120.96	
		For Black Anodized Finish, Add	241.91	
		For >10 To 20, Deduct	-74.46	
		For >20 To 40, Deduct	-136.83	
		For >40, Deduct	-285.75	
26 56 13 00-0400	EA	28' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,422.35	554.18
		For Bronze Or Satin Anodized Finish, Add	131.40	
		For Black Anodized Finish, Add	262.80	
		For >10 To 20, Deduct	-80.27	
		For >20 To 40, Deduct	-147.40	
		For >40, Deduct	-307.93	
26 56 13 00-0401	EA	30' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,573.86	586.78
		For Bronze Or Satin Anodized Finish, Add	140.03	
		For Black Anodized Finish, Add	280.06	
		For >10 To 20, Deduct	-85.35	
		For >20 To 40, Deduct	-156.70	
		For >40, Deduct	-327.40	
26 56 13 00-0402	EA	33' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,709.83	603.08
		For Bronze Or Satin Anodized Finish, Add	150.37	
		For Black Anodized Finish, Add	300.73	
		For >10 To 20, Deduct	-90.30	
		For >20 To 40, Deduct	-165.56	
		For >40, Deduct	-346.17	
26 56 13 00-0403	EA	35' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,828.75	619.38
		For Bronze Or Satin Anodized Finish, Add	159.00	
		For Black Anodized Finish, Add	318.00	
		For >10 To 20, Deduct	-94.57	
		For >20 To 40, Deduct	-173.24	
		For >40, Deduct	-362.37	
26 56 13 00-0404	EA	37' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,930.62	635.68
		For Bronze Or Satin Anodized Finish, Add	165.93	
		For Black Anodized Finish, Add	331.85	
		For >10 To 20, Deduct	-98.15	
		For >20 To 40, Deduct	-179.72	
		For >40, Deduct	-376.03	
26 56 13 00-0405	EA	39' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,112.42	651.98
		For Bronze Or Satin Anodized Finish, Add	180.85	
		For Black Anodized Finish, Add	361.69	
		For >10 To 20, Deduct	-104.94	
		For >20 To 40, Deduct	-191.79	
		For >40, Deduct	-401.67	
26 56 13 00-0406	EA	28' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,882.73	554.18
		For Bronze Or Satin Anodized Finish, Add	177.44	
		For Black Anodized Finish, Add	354.87	
		For >10 To 20, Deduct	-98.68	
		For >20 To 40, Deduct	-179.62	
		For >40, Deduct	-376.99	
26 56 13 00-0407	EA	30' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,106.70	586.78
		For Bronze Or Satin Anodized Finish, Add	193.31	
		For Black Anodized Finish, Add	386.63	
		For >10 To 20, Deduct	-106.66	
		For >20 To 40, Deduct	-194.00	
		For >40, Deduct	-407.33	
26 56 13 00-0408	EA	33' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,263.99	603.08
		For Bronze Or Satin Anodized Finish, Add	205.78	
		For Black Anodized Finish, Add	411.57	
		For >10 To 20, Deduct	-112.47	
		For >20 To 40, Deduct	-204.36	
		For >40, Deduct	-429.29	
26 56 13 00-0409	EA	35' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,383.97	619.38
		For Bronze Or Satin Anodized Finish, Add	214.52	
		For Black Anodized Finish, Add	429.04	
		For >10 To 20, Deduct	-116.78	
		For >20 To 40, Deduct	-212.10	
		For >40, Deduct	-445.66	
26 56 13 00-0410	EA	37' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,451.74	635.68
		For Bronze Or Satin Anodized Finish, Add	218.04	
		For Black Anodized Finish, Add	436.08	
		For >10 To 20, Deduct	-119.00	
		For >20 To 40, Deduct	-216.19	
		For >40, Deduct	-454.19	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0411	EA		39' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,651.65	651.98
			For Bronze Or Satin Anodized Finish, Add	234.77	
			For Black Anodized Finish, Add	469.54	
			For >10 To 20, Deduct	-126.51	
			For >20 To 40, Deduct	-229.54	
			For >40, Deduct	-482.55	
26 56 13 00-0412	EA		28' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,736.73	554.18
			For Bronze Or Satin Anodized Finish, Add	162.84	
			For Black Anodized Finish, Add	325.67	
			For >10 To 20, Deduct	-92.84	
			For >20 To 40, Deduct	-169.40	
			For >40, Deduct	-355.09	
26 56 13 00-0413	EA		30' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,941.52	586.78
			For Bronze Or Satin Anodized Finish, Add	176.80	
			For Black Anodized Finish, Add	353.59	
			For >10 To 20, Deduct	-100.06	
			For >20 To 40, Deduct	-182.44	
			For >40, Deduct	-382.55	
26 56 13 00-0414	EA		33' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,022.08	603.08
			For Bronze Or Satin Anodized Finish, Add	181.59	
			For Black Anodized Finish, Add	363.18	
			For >10 To 20, Deduct	-102.79	
			For >20 To 40, Deduct	-187.42	
			For >40, Deduct	-393.00	
26 56 13 00-0415	EA		35' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,225.19	619.38
			For Bronze Or Satin Anodized Finish, Add	198.64	
			For Black Anodized Finish, Add	397.29	
			For >10 To 20, Deduct	-110.43	
			For >20 To 40, Deduct	-200.99	
			For >40, Deduct	-421.84	
26 56 13 00-0416	EA		37' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,325.99	635.68
			For Bronze Or Satin Anodized Finish, Add	205.46	
			For Black Anodized Finish, Add	410.93	
			For >10 To 20, Deduct	-113.97	
			For >20 To 40, Deduct	-207.39	
			For >40, Deduct	-435.33	
26 56 13 00-0417	EA		39' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,526.97	651.98
			For Bronze Or Satin Anodized Finish, Add	222.30	
			For Black Anodized Finish, Add	444.60	
			For >10 To 20, Deduct	-121.52	
			For >20 To 40, Deduct	-220.81	
			For >40, Deduct	-463.85	
26 56 13 00-0418	EA		28' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,403.84	554.18
			For Bronze Or Satin Anodized Finish, Add	229.55	
			For Black Anodized Finish, Add	459.09	
			For >10 To 20, Deduct	-119.53	
			For >20 To 40, Deduct	-216.10	
			For >40, Deduct	-455.16	
26 56 13 00-0419	EA		30' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,599.05	586.78
			For Bronze Or Satin Anodized Finish, Add	242.55	
			For Black Anodized Finish, Add	485.10	
			For >10 To 20, Deduct	-126.36	
			For >20 To 40, Deduct	-228.46	
			For >40, Deduct	-481.18	
26 56 13 00-0420	EA		33' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,758.46	603.08
			For Bronze Or Satin Anodized Finish, Add	255.23	
			For Black Anodized Finish, Add	510.46	
			For >10 To 20, Deduct	-132.25	
			For >20 To 40, Deduct	-238.97	
			For >40, Deduct	-503.46	
26 56 13 00-0421	EA		35' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	4,004.20	619.38
			For Bronze Or Satin Anodized Finish, Add	276.54	
			For Black Anodized Finish, Add	553.09	
			For >10 To 20, Deduct	-141.59	
			For >20 To 40, Deduct	-255.52	
			For >40, Deduct	-538.69	
26 56 13 00-0422	EA		37' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	4,060.24	635.68
			For Bronze Or Satin Anodized Finish, Add	278.89	
			For Black Anodized Finish, Add	557.78	
			For >10 To 20, Deduct	-143.34	
			For >20 To 40, Deduct	-258.79	
			For >40, Deduct	-545.47	
26 56 13 00-0423	EA		39' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	4,304.91	651.98
			For Bronze Or Satin Anodized Finish, Add	300.10	
			For Black Anodized Finish, Add	600.19	
			For >10 To 20, Deduct	-152.64	
			For >20 To 40, Deduct	-275.26	
			For >40, Deduct	-580.54	
26 56 13 00-0424	EA		48' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	5,450.30	977.97
			For Bronze Or Satin Anodized Finish, Add	349.44	
			For Black Anodized Finish, Add	698.87	
			For >10 To 20, Deduct	-188.67	
			For >20 To 40, Deduct	-342.40	
			For >40, Deduct	-719.75	
26 56 13 00-0425	EA		50' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	5,582.45	977.97
			For Bronze Or Satin Anodized Finish, Add	362.65	
			For Black Anodized Finish, Add	725.30	
			For >10 To 20, Deduct	-193.96	
			For >20 To 40, Deduct	-351.65	
			For >40, Deduct	-739.57	

26 Electrical
26 50 Lighting
26 56 Exterior Lighting

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 56 13 00-0426	Round Tapered, Aluminum Area Light Poles, Hinged Anchor Base (26 56 13 00-0354)		
26 56 13 00-0427	EA 8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	921.90	195.59
	For Bronze, Satin Or Black Anodized Finish, Add	79.61	
	For >10 To 20, Deduct	-31.01	
	For >20 To 40, Deduct	-56.71	
	For >40, Deduct	-118.73	
26 56 13 00-0428	EA 10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,009.48	228.19
	For Bronze, Satin Or Black Anodized Finish, Add	82.96	
	For >10 To 20, Deduct	-33.53	
	For >20 To 40, Deduct	-61.54	
	For >40, Deduct	-128.60	
26 56 13 00-0429	EA 12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,098.11	260.79
	For Bronze, Satin Or Black Anodized Finish, Add	86.48	
	For >10 To 20, Deduct	-36.10	
	For >20 To 40, Deduct	-66.44	
	For >40, Deduct	-138.64	
26 56 13 00-0430	EA 14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,188.89	293.39
	For Bronze, Satin Or Black Anodized Finish, Add	90.32	
	For >10 To 20, Deduct	-38.75	
	For >20 To 40, Deduct	-71.49	
	For >40, Deduct	-148.99	
26 56 13 00-0431	EA 16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,278.60	325.99
	For Bronze, Satin Or Black Anodized Finish, Add	93.99	
	For >10 To 20, Deduct	-41.36	
	For >20 To 40, Deduct	-76.46	
	For >40, Deduct	-159.19	
26 56 13 00-0432	EA 10' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,022.27	228.19
	For Bronze, Satin Or Black Anodized Finish, Add	84.88	
	For >10 To 20, Deduct	-34.04	
	For >20 To 40, Deduct	-62.43	
	For >40, Deduct	-130.52	
26 56 13 00-0433	EA 12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,113.03	260.79
	For Bronze, Satin Or Black Anodized Finish, Add	88.72	
	For >10 To 20, Deduct	-36.70	
	For >20 To 40, Deduct	-67.48	
	For >40, Deduct	-140.88	
26 56 13 00-0434	EA 14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,205.94	293.39
	For Bronze, Satin Or Black Anodized Finish, Add	92.87	
	For >10 To 20, Deduct	-39.44	
	For >20 To 40, Deduct	-72.68	
	For >40, Deduct	-151.55	
26 56 13 00-0435	EA 16' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,297.78	325.99
	For Bronze, Satin Or Black Anodized Finish, Add	96.87	
	For >10 To 20, Deduct	-42.13	
	For >20 To 40, Deduct	-77.81	
	For >40, Deduct	-162.07	
26 56 13 00-0436	EA 18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,403.48	358.58
	For Bronze, Satin Or Black Anodized Finish, Add	102.95	
	For >10 To 20, Deduct	-45.38	
	For >20 To 40, Deduct	-83.90	
	For >40, Deduct	-174.66	
26 56 13 00-0437	EA 20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,499.58	391.19
	For Bronze, Satin Or Black Anodized Finish, Add	107.58	
	For >10 To 20, Deduct	-48.25	
	For >20 To 40, Deduct	-89.32	
	For >40, Deduct	-185.82	
26 56 13 00-0438	EA 12' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,154.59	260.79
	For Bronze, Satin Or Black Anodized Finish, Add	94.95	
	For >10 To 20, Deduct	-38.36	
	For >20 To 40, Deduct	-70.39	
	For >40, Deduct	-147.11	
26 56 13 00-0439	EA 14' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,252.83	293.39
	For Bronze, Satin Or Black Anodized Finish, Add	99.91	
	For >10 To 20, Deduct	-41.31	
	For >20 To 40, Deduct	-75.96	
	For >40, Deduct	-158.59	
26 56 13 00-0440	EA 16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,363.85	325.99
	For Bronze, Satin Or Black Anodized Finish, Add	106.78	
	For >10 To 20, Deduct	-44.77	
	For >20 To 40, Deduct	-82.43	
	For >40, Deduct	-171.98	
26 56 13 00-0441	EA 18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,464.22	358.58
	For Bronze, Satin Or Black Anodized Finish, Add	112.06	
	For >10 To 20, Deduct	-47.81	
	For >20 To 40, Deduct	-88.15	
	For >40, Deduct	-183.77	
26 56 13 00-0442	EA 20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,578.44	391.19
	For Bronze, Satin Or Black Anodized Finish, Add	119.41	
	For >10 To 20, Deduct	-51.40	
	For >20 To 40, Deduct	-94.84	
	For >40, Deduct	-197.65	
26 56 13 00-0443	EA 16' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,424.60	325.99
	For Bronze, Satin Or Black Anodized Finish, Add	115.89	
	For >10 To 20, Deduct	-47.20	
	For >20 To 40, Deduct	-86.68	
	For >40, Deduct	-181.09	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0444	EA	18'	High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base For Bronze, Satin Or Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,546.28 124.37 -51.09 -93.90 -196.08	358.58
26 56 13 00-0445	EA	20'	High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base For Bronze, Satin Or Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,644.52 129.32 -54.05 -99.47 -207.56	391.19
26 56 13 00-0446	EA	12'	High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base For Bronze, Satin Or Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,187.63 99.91 -39.68 -72.70 -152.07	260.79
26 56 13 00-0447	EA	14'	High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base For Bronze, Satin Or Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,302.92 107.42 -43.32 -79.47 -166.10	293.39
26 56 13 00-0448	EA	16'	High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base For Bronze, Satin Or Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,424.60 115.89 -47.20 -86.68 -181.09	325.99
26 56 13 00-0449	EA	18'	High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base For Bronze, Satin Or Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,533.49 122.45 -50.58 -93.00 -194.16	358.58
26 56 13 00-0450	EA	20'	High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base For Bronze, Satin Or Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,649.84 130.12 -54.26 -99.84 -208.36	391.19
26 56 13 00-0451	EA	16'	High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base For Bronze, Satin Or Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,493.87 126.28 -49.98 -91.53 -191.48	325.99
26 56 13 00-0452	EA	18'	High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base For Bronze, Satin Or Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,624.07 136.03 -54.21 -99.34 -207.75	358.58
26 56 13 00-0453	EA	20'	High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base For Bronze, Satin Or Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,727.64 141.79 -57.37 -105.29 -220.03	391.19
26 56 13 00-0454	Round Tapered, Aluminum Area Light Poles, Direct Burial (26 56 13 00-0354) Note: Includes rubberized undercoating on embedded portion.				
26 56 13 00-0455	EA	8'	High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	641.43 31.54 63.09 -20.77 -38.38 -79.92	162.99
26 56 13 00-0456	EA	10'	High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	671.27 34.53 69.06 -21.96 -40.47 -84.39	162.99
26 56 13 00-0457	EA	12'	High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	728.37 36.98 73.96 -23.76 -43.81 -91.33	179.29
26 56 13 00-0458	EA	14'	High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	778.03 38.68 77.37 -25.25 -46.64 -97.15	195.59
26 56 13 00-0459	EA	16'	High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	816.40 42.52 85.04 -26.79 -49.32 -102.90	195.59
26 56 13 00-0460	EA	12'	High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	757.14 39.86 79.71 -24.91 -45.83 -95.64	179.29

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 56 13 00-0461	EA 14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	819.59	195.59
	For Bronze Or Satin Anodized Finish, Add	42.84	
	For Black Anodized Finish, Add	85.68	
	For >10 To 20, Deduct	-26.92	
	For >20 To 40, Deduct	-49.55	
	For >40, Deduct	-103.38	
26 56 13 00-0462	EA 16' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	840.91	195.59
	For Bronze Or Satin Anodized Finish, Add	44.97	
	For Black Anodized Finish, Add	89.94	
	For >10 To 20, Deduct	-27.77	
	For >20 To 40, Deduct	-51.04	
	For >40, Deduct	-106.58	
26 56 13 00-0463	EA 18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	907.60	211.90
	For Bronze Or Satin Anodized Finish, Add	48.38	
	For Black Anodized Finish, Add	96.76	
	For >10 To 20, Deduct	-29.95	
	For >20 To 40, Deduct	-55.06	
	For >40, Deduct	-114.95	
26 56 13 00-0464	EA 20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	970.05	228.19
	For Bronze Or Satin Anodized Finish, Add	51.37	
	For Black Anodized Finish, Add	102.73	
	For >10 To 20, Deduct	-31.96	
	For >20 To 40, Deduct	-58.78	
	For >40, Deduct	-122.69	
26 56 13 00-0465	EA 16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	902.72	195.59
	For Bronze Or Satin Anodized Finish, Add	51.15	
	For Black Anodized Finish, Add	102.31	
	For >10 To 20, Deduct	-30.24	
	For >20 To 40, Deduct	-55.37	
	For >40, Deduct	-115.85	
26 56 13 00-0466	EA 18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	975.80	211.90
	For Bronze Or Satin Anodized Finish, Add	55.20	
	For Black Anodized Finish, Add	110.40	
	For >10 To 20, Deduct	-32.68	
	For >20 To 40, Deduct	-59.83	
	For >40, Deduct	-125.18	
26 56 13 00-0467	EA 20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,043.58	228.19
	For Bronze Or Satin Anodized Finish, Add	58.72	
	For Black Anodized Finish, Add	117.44	
	For >10 To 20, Deduct	-34.90	
	For >20 To 40, Deduct	-63.92	
	For >40, Deduct	-133.72	
26 56 13 00-0468	EA 18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,063.19	211.90
	For Bronze Or Satin Anodized Finish, Add	63.94	
	For Black Anodized Finish, Add	127.88	
	For >10 To 20, Deduct	-36.17	
	For >20 To 40, Deduct	-65.95	
	For >40, Deduct	-138.29	
26 56 13 00-0469	EA 25' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,360.27	260.79
	For Bronze Or Satin Anodized Finish, Add	83.87	
	For Black Anodized Finish, Add	167.74	
	For >10 To 20, Deduct	-46.59	
	For >20 To 40, Deduct	-84.79	
	For >40, Deduct	-177.96	
26 56 13 00-0470	EA 25' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,480.69	260.79
	For Bronze Or Satin Anodized Finish, Add	95.91	
	For Black Anodized Finish, Add	191.82	
	For >10 To 20, Deduct	-51.40	
	For >20 To 40, Deduct	-93.22	
	For >40, Deduct	-196.02	
26 56 13 00-0471	EA 30' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,649.26	293.39
	For Bronze Or Satin Anodized Finish, Add	106.25	
	For Black Anodized Finish, Add	212.50	
	For >10 To 20, Deduct	-57.17	
	For >20 To 40, Deduct	-103.71	
	For >40, Deduct	-218.05	
26 56 13 00-0472	EA 30' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,780.34	293.39
	For Bronze Or Satin Anodized Finish, Add	119.36	
	For Black Anodized Finish, Add	238.71	
	For >10 To 20, Deduct	-62.41	
	For >20 To 40, Deduct	-112.89	
	For >40, Deduct	-237.71	

26 56 13 00-0473 Square Straight, Aluminum Area Light Poles (26 56 13 00-0294)

26 56 13 00-0474 Square Straight, Aluminum Area Light Poles, Anchor Base (26 56 13 00-0473)

26 56 13 00-0475	EA 8' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	831.32	195.59
	For Bronze Or Satin Anodized Finish, Add	44.01	
	For Black Anodized Finish, Add	88.03	
	For >10 To 20, Deduct	-27.38	
	For >20 To 40, Deduct	-50.37	
	For >40, Deduct	-105.14	
26 56 13 00-0476	EA 10' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	918.90	228.19
	For Bronze Or Satin Anodized Finish, Add	46.25	
	For Black Anodized Finish, Add	92.50	
	For >10 To 20, Deduct	-29.91	
	For >20 To 40, Deduct	-55.20	
	For >40, Deduct	-115.02	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0477	EA	12'	High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,014.99 49.34 98.68 -32.78 -60.62 -126.17	260.79
26 56 13 00-0478	EA	14'	High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,110.03 52.33 104.65 -35.60 -65.97 -137.17	293.39
26 56 13 00-0479	EA	15'	High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,161.81 54.24 108.49 -37.18 -68.94 -143.30	309.69
26 56 13 00-0480	EA	16'	High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,213.59 56.16 112.32 -38.76 -71.91 -149.44	325.99
26 56 13 00-0481	EA	18'	High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,315.03 59.79 119.57 -41.84 -77.71 -161.40	358.58
26 56 13 00-0482	EA	20'	High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,426.05 64.37 128.73 -45.31 -84.18 -174.79	391.19
26 56 13 00-0483	EA	16'	High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,287.13 63.52 127.03 -41.71 -77.06 -160.47	325.99
26 56 13 00-0484	EA	18'	High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,390.69 67.35 134.70 -44.87 -83.00 -172.74	358.58
26 56 13 00-0485	EA	20'	High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,508.11 72.57 145.15 -48.59 -89.92 -187.10	391.19
26 56 13 00-0486	EA	15'	High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,481.52 86.21 172.43 -49.97 -91.32 -191.26	309.69
26 56 13 00-0487	EA	20'	High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,813.96 103.16 206.32 -60.82 -111.33 -232.98	391.19
26 56 13 00-0488	EA	25'	High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	2,207.96 116.48 232.96 -72.67 -133.69 -279.04	521.58
26 56 13 00-0489	EA	20'	High, 4" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,574.18 79.18 158.36 -51.23 -94.55 -197.01	391.19
26 56 13 00-0490	EA	20'	High, 5" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,942.91 116.05 232.11 -65.98 -120.36 -252.32	391.19
26 56 13 00-0491	EA	25'	High, 5" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	2,325.18 128.20 256.40 -77.36 -141.90 -296.62	521.58

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 56 13 00-0492	EA	20' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	2,145.38	391.19
		For Bronze Or Satin Anodized Finish, Add	136.30	
		For Black Anodized Finish, Add	272.60	
		For >10 To 20, Deduct	-74.08	
		For >20 To 40, Deduct	-134.53	
		For >40, Deduct	-282.69	
26 56 13 00-0493	EA	25' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	2,589.47	521.58
		For Bronze Or Satin Anodized Finish, Add	154.63	
		For Black Anodized Finish, Add	309.26	
		For >10 To 20, Deduct	-87.93	
		For >20 To 40, Deduct	-160.40	
		For >40, Deduct	-336.26	
26 56 13 00-0494	EA	30' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	2,994.81	586.78
		For Bronze Or Satin Anodized Finish, Add	182.13	
		For Black Anodized Finish, Add	364.25	
		For >10 To 20, Deduct	-102.19	
		For >20 To 40, Deduct	-186.17	
		For >40, Deduct	-390.54	

26 56 13 00-0495 Square Straight, Aluminum Area Light Poles, Direct Burial (26 56 13 00-0473)

Note: Includes rubberized undercoating on embedded portion.

26 56 13 00-0496	EA	10' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	745.87	162.99
		For Bronze Or Satin Anodized Finish, Add	41.99	
		For Black Anodized Finish, Add	83.98	
		For >10 To 20, Deduct	-24.94	
		For >20 To 40, Deduct	-45.69	
		For >40, Deduct	-95.58	
26 56 13 00-0497	EA	12' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	832.81	179.29
		For Bronze Or Satin Anodized Finish, Add	47.42	
		For Black Anodized Finish, Add	94.85	
		For >10 To 20, Deduct	-27.93	
		For >20 To 40, Deduct	-51.13	
		For >40, Deduct	-106.99	
26 56 13 00-0498	EA	14' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	887.80	195.59
		For Bronze Or Satin Anodized Finish, Add	49.66	
		For Black Anodized Finish, Add	99.32	
		For >10 To 20, Deduct	-29.64	
		For >20 To 40, Deduct	-54.32	
		For >40, Deduct	-113.61	
26 56 13 00-0499	EA	15' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	914.44	195.59
		For Bronze Or Satin Anodized Finish, Add	52.33	
		For Black Anodized Finish, Add	104.65	
		For >10 To 20, Deduct	-30.71	
		For >20 To 40, Deduct	-56.19	
		For >40, Deduct	-117.61	
26 56 13 00-0500	EA	16' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	947.47	195.59
		For Bronze Or Satin Anodized Finish, Add	55.63	
		For Black Anodized Finish, Add	111.26	
		For >10 To 20, Deduct	-32.03	
		For >20 To 40, Deduct	-58.50	
		For >40, Deduct	-122.56	
26 56 13 00-0501	EA	18' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	1,093.03	211.90
		For Bronze Or Satin Anodized Finish, Add	66.93	
		For Black Anodized Finish, Add	133.85	
		For >10 To 20, Deduct	-37.36	
		For >20 To 40, Deduct	-68.04	
		For >40, Deduct	-142.77	
26 56 13 00-0502	EA	20' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	1,171.46	228.19
		For Bronze Or Satin Anodized Finish, Add	71.51	
		For Black Anodized Finish, Add	143.01	
		For >10 To 20, Deduct	-40.01	
		For >20 To 40, Deduct	-72.87	
		For >40, Deduct	-152.90	
26 56 13 00-0503	EA	20' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	1,338.77	228.19
		For Bronze Or Satin Anodized Finish, Add	88.24	
		For Black Anodized Finish, Add	176.48	
		For >10 To 20, Deduct	-46.70	
		For >20 To 40, Deduct	-84.59	
		For >40, Deduct	-178.00	
26 56 13 00-0504	EA	25' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	1,538.24	260.79
		For Bronze Or Satin Anodized Finish, Add	101.67	
		For Black Anodized Finish, Add	203.33	
		For >10 To 20, Deduct	-53.71	
		For >20 To 40, Deduct	-97.25	
		For >40, Deduct	-204.66	
26 56 13 00-0505	EA	25' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Direct Burial	1,912.29	260.79
		For Bronze Or Satin Anodized Finish, Add	139.07	
		For Black Anodized Finish, Add	278.14	
		For >10 To 20, Deduct	-68.67	
		For >20 To 40, Deduct	-123.43	
		For >40, Deduct	-260.76	

26 56 13 00-0506 Factory Accessories For Aluminum Area Light Poles (26 56 13 00-0294)

26 56 13 00-0507	EA	1/2", 3/4" Or 1" Factory Threaded Pipe Coupling Or Nipple For Aluminum Area Light Poles	100.42	
26 56 13 00-0508	EA	Extra Handhole For Aluminum Area Light Poles	39.72	
26 56 13 00-0509	EA	Vibration Dampener For Aluminum Area Light Poles	151.92	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
26 56 13 00-0510			Fiberglass Area Light Poles (26 56 13 00-0177) Note: Includes UV resistant textured weave finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions and tenon top.		
26 56 13 00-0511			Round Tapered, Fiberglass Area Light Poles (26 56 13 00-0510)		
26 56 13 00-0512			Round Tapered, Fiberglass Area Light Poles, Anchor Base (26 56 13 00-0511)		
26 56 13 00-0513	EA		10' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,304.28	228.19
			For >10 To 20, Deduct	-45.33	
			For >20 To 40, Deduct	-82.17	
			For >40, Deduct	-172.82	
26 56 13 00-0514	EA		12' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,419.94	260.79
			For >10 To 20, Deduct	-48.97	
			For >20 To 40, Deduct	-88.96	
			For >40, Deduct	-186.91	
26 56 13 00-0515	EA		14' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,537.05	293.39
			For >10 To 20, Deduct	-52.68	
			For >20 To 40, Deduct	-95.86	
			For >40, Deduct	-201.22	
26 56 13 00-0516	EA		16' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,652.72	325.99
			For >10 To 20, Deduct	-56.33	
			For >20 To 40, Deduct	-102.65	
			For >40, Deduct	-215.31	
26 56 13 00-0517	EA		18' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,794.35	358.58
			For >10 To 20, Deduct	-61.02	
			For >20 To 40, Deduct	-111.26	
			For >40, Deduct	-233.29	
26 56 13 00-0518	EA		20' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,912.90	391.19
			For >10 To 20, Deduct	-64.78	
			For >20 To 40, Deduct	-118.26	
			For >40, Deduct	-247.82	
26 56 13 00-0519	EA		22' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,095.20	456.39
			For >10 To 20, Deduct	-70.12	
			For >20 To 40, Deduct	-128.41	
			For >40, Deduct	-268.64	
26 56 13 00-0520	EA		24' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,276.07	521.58
			For >10 To 20, Deduct	-75.40	
			For >20 To 40, Deduct	-138.46	
			For >40, Deduct	-289.25	
26 56 13 00-0521	EA		26' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,392.87	521.58
			For >10 To 20, Deduct	-80.07	
			For >20 To 40, Deduct	-146.64	
			For >40, Deduct	-306.77	
26 56 13 00-0522	EA		28' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,560.45	554.18
			For >10 To 20, Deduct	-85.79	
			For >20 To 40, Deduct	-157.06	
			For >40, Deduct	-328.65	
26 56 13 00-0523	EA		30' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,728.03	586.78
			For >10 To 20, Deduct	-91.52	
			For >20 To 40, Deduct	-167.49	
			For >40, Deduct	-350.53	
26 56 13 00-0524	EA		10' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,436.94	228.19
			For >10 To 20, Deduct	-50.63	
			For >20 To 40, Deduct	-91.46	
			For >40, Deduct	-192.72	
26 56 13 00-0525	EA		12' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,526.65	260.79
			For >10 To 20, Deduct	-53.24	
			For >20 To 40, Deduct	-96.43	
			For >40, Deduct	-202.92	
26 56 13 00-0526	EA		14' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,617.80	293.39
			For >10 To 20, Deduct	-55.91	
			For >20 To 40, Deduct	-101.51	
			For >40, Deduct	-213.33	
26 56 13 00-0527	EA		16' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,711.84	325.99
			For >10 To 20, Deduct	-58.69	
			For >20 To 40, Deduct	-106.79	
			For >40, Deduct	-224.18	
26 56 13 00-0528	EA		18' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,813.09	358.58
			For >10 To 20, Deduct	-61.77	
			For >20 To 40, Deduct	-112.57	
			For >40, Deduct	-236.10	
26 56 13 00-0529	EA		20' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,912.90	391.19
			For >10 To 20, Deduct	-64.78	
			For >20 To 40, Deduct	-118.26	
			For >40, Deduct	-247.82	
26 56 13 00-0530	EA		22' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,077.90	456.39
			For >10 To 20, Deduct	-69.42	
			For >20 To 40, Deduct	-127.20	
			For >40, Deduct	-266.05	
26 56 13 00-0531	EA		24' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,276.07	521.58
			For >10 To 20, Deduct	-75.40	
			For >20 To 40, Deduct	-138.46	
			For >40, Deduct	-289.25	
26 56 13 00-0532	EA		26' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,325.10	521.58
			For >10 To 20, Deduct	-77.36	
			For >20 To 40, Deduct	-141.89	
			For >40, Deduct	-296.61	
26 56 13 00-0533	EA		28' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,440.77	554.18
			For >10 To 20, Deduct	-81.01	
			For >20 To 40, Deduct	-148.69	
			For >40, Deduct	-310.70	

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 56 13 00-0534	EA	30' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,556.43	586.78
		For >10 To 20, Deduct	-84.65	
		For >20 To 40, Deduct	-155.48	
		For >40, Deduct	-324.79	
26 56 13 00-0535	EA	10' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,631.61	228.19
		For >10 To 20, Deduct	-58.42	
		For >20 To 40, Deduct	-105.08	
		For >40, Deduct	-221.92	
26 56 13 00-0536	EA	12' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,741.50	260.79
		For >10 To 20, Deduct	-61.84	
		For >20 To 40, Deduct	-111.47	
		For >40, Deduct	-235.15	
26 56 13 00-0537	EA	14' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,851.41	293.39
		For >10 To 20, Deduct	-65.25	
		For >20 To 40, Deduct	-117.86	
		For >40, Deduct	-248.37	
26 56 13 00-0538	EA	16' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,962.75	325.99
		For >10 To 20, Deduct	-68.73	
		For >20 To 40, Deduct	-124.35	
		For >40, Deduct	-261.81	
26 56 13 00-0539	EA	18' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,079.86	358.58
		For >10 To 20, Deduct	-72.44	
		For >20 To 40, Deduct	-131.25	
		For >40, Deduct	-276.12	
26 56 13 00-0540	EA	20' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,205.62	391.19
		For >10 To 20, Deduct	-76.49	
		For >20 To 40, Deduct	-138.75	
		For >40, Deduct	-291.72	
26 56 13 00-0541	EA	22' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,409.56	456.39
		For >10 To 20, Deduct	-82.69	
		For >20 To 40, Deduct	-150.41	
		For >40, Deduct	-315.80	
26 56 13 00-0542	EA	24' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,614.94	521.58
		For >10 To 20, Deduct	-88.95	
		For >20 To 40, Deduct	-162.18	
		For >40, Deduct	-340.08	
26 56 13 00-0543	EA	26' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,689.92	521.58
		For >10 To 20, Deduct	-91.95	
		For >20 To 40, Deduct	-167.43	
		For >40, Deduct	-351.33	
26 56 13 00-0544	EA	28' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,873.37	554.18
		For >10 To 20, Deduct	-98.31	
		For >20 To 40, Deduct	-178.97	
		For >40, Deduct	-375.59	
26 56 13 00-0545	EA	30' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	3,023.63	586.78
		For >10 To 20, Deduct	-103.34	
		For >20 To 40, Deduct	-188.18	
		For >40, Deduct	-394.87	
26 56 13 00-0546	EA	32' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	3,141.31	603.08
		For >10 To 20, Deduct	-107.56	
		For >20 To 40, Deduct	-195.77	
		For >40, Deduct	-410.89	
26 56 13 00-0547	EA	34' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	3,258.99	619.38
		For >10 To 20, Deduct	-111.78	
		For >20 To 40, Deduct	-203.35	
		For >40, Deduct	-426.91	

26 56 13 00-0548 Round Tapered, Fiberglass Area Light Poles, Direct Burial (26 56 13 00-0511)

26 56 13 00-0549	EA	10' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	810.50	162.99
		For >10 To 20, Deduct	-27.53	
		For >20 To 40, Deduct	-50.22	
		For >40, Deduct	-105.28	
26 56 13 00-0550	EA	12' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	870.49	179.29
		For >10 To 20, Deduct	-29.44	
		For >20 To 40, Deduct	-53.76	
		For >40, Deduct	-112.64	
26 56 13 00-0551	EA	14' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	929.05	195.59
		For >10 To 20, Deduct	-31.29	
		For >20 To 40, Deduct	-57.21	
		For >40, Deduct	-119.80	
26 56 13 00-0552	EA	16' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	953.57	195.59
		For >10 To 20, Deduct	-32.27	
		For >20 To 40, Deduct	-58.93	
		For >40, Deduct	-123.48	
26 56 13 00-0553	EA	18' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,026.53	211.90
		For >10 To 20, Deduct	-34.70	
		For >20 To 40, Deduct	-63.38	
		For >40, Deduct	-132.79	
26 56 13 00-0554	EA	20' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,087.98	228.19
		For >10 To 20, Deduct	-36.67	
		For >20 To 40, Deduct	-67.03	
		For >40, Deduct	-140.38	
26 56 13 00-0555	EA	22' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,153.74	244.49
		For >10 To 20, Deduct	-38.81	
		For >20 To 40, Deduct	-70.98	
		For >40, Deduct	-148.61	

		Electrical	26
		Lighting	26 50
		Exterior Lighting	26 56

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0556	EA	24'	High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,226.71	260.79
			For >10 To 20, Deduct	-41.24	
			For >20 To 40, Deduct	-75.44	
			For >40, Deduct	-157.93	
26 56 13 00-0557	EA	26'	High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,365.14	260.79
			For >10 To 20, Deduct	-46.78	
			For >20 To 40, Deduct	-85.13	
			For >40, Deduct	-178.69	
26 56 13 00-0558	EA	28'	High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,536.18	277.09
			For >10 To 20, Deduct	-53.13	
			For >20 To 40, Deduct	-96.45	
			For >40, Deduct	-202.72	
26 56 13 00-0559	EA	30'	High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,707.21	293.39
			For >10 To 20, Deduct	-59.49	
			For >20 To 40, Deduct	-107.77	
			For >40, Deduct	-226.74	
26 56 13 00-0560	EA	10'	High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	943.16	162.99
			For >10 To 20, Deduct	-32.84	
			For >20 To 40, Deduct	-59.50	
			For >40, Deduct	-125.17	
26 56 13 00-0561	EA	12'	High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,010.36	179.29
			For >10 To 20, Deduct	-35.04	
			For >20 To 40, Deduct	-63.55	
			For >40, Deduct	-133.63	
26 56 13 00-0562	EA	14'	High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,077.58	195.59
			For >10 To 20, Deduct	-37.24	
			For >20 To 40, Deduct	-67.61	
			For >40, Deduct	-142.08	
26 56 13 00-0563	EA	16'	High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,113.63	195.59
			For >10 To 20, Deduct	-38.68	
			For >20 To 40, Deduct	-70.13	
			For >40, Deduct	-147.49	
26 56 13 00-0564	EA	18'	High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,180.82	211.90
			For >10 To 20, Deduct	-40.88	
			For >20 To 40, Deduct	-74.18	
			For >40, Deduct	-155.93	
26 56 13 00-0565	EA	20'	High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,248.04	228.19
			For >10 To 20, Deduct	-43.08	
			For >20 To 40, Deduct	-78.24	
			For >40, Deduct	-164.39	
26 56 13 00-0566	EA	22'	High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,315.24	244.49
			For >10 To 20, Deduct	-45.27	
			For >20 To 40, Deduct	-82.29	
			For >40, Deduct	-172.84	
26 56 13 00-0567	EA	24'	High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,415.61	260.79
			For >10 To 20, Deduct	-48.80	
			For >20 To 40, Deduct	-88.66	
			For >40, Deduct	-186.26	
26 56 13 00-0568	EA	26'	High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,549.72	260.79
			For >10 To 20, Deduct	-54.17	
			For >20 To 40, Deduct	-98.05	
			For >40, Deduct	-206.38	
26 56 13 00-0569	EA	28'	High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,717.87	277.09
			For >10 To 20, Deduct	-60.40	
			For >20 To 40, Deduct	-109.17	
			For >40, Deduct	-229.97	
26 56 13 00-0570	EA	30'	High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,884.57	293.39
			For >10 To 20, Deduct	-66.58	
			For >20 To 40, Deduct	-120.18	
			For >40, Deduct	-253.35	
26 56 13 00-0571	EA	10'	High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,059.96	162.99
			For >10 To 20, Deduct	-37.51	
			For >20 To 40, Deduct	-67.68	
			For >40, Deduct	-142.69	
26 56 13 00-0572	EA	12'	High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,118.51	179.29
			For >10 To 20, Deduct	-39.36	
			For >20 To 40, Deduct	-71.12	
			For >40, Deduct	-149.85	
26 56 13 00-0573	EA	14'	High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,175.63	195.59
			For >10 To 20, Deduct	-41.16	
			For >20 To 40, Deduct	-74.47	
			For >40, Deduct	-156.79	
26 56 13 00-0574	EA	16'	High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,200.15	195.59
			For >10 To 20, Deduct	-42.14	
			For >20 To 40, Deduct	-76.19	
			For >40, Deduct	-160.46	
26 56 13 00-0575	EA	18'	High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,257.25	211.90
			For >10 To 20, Deduct	-43.93	
			For >20 To 40, Deduct	-79.53	
			For >40, Deduct	-167.40	
26 56 13 00-0576	EA	20'	High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,315.82	228.19
			For >10 To 20, Deduct	-45.79	
			For >20 To 40, Deduct	-82.98	
			For >40, Deduct	-174.55	
26 56 13 00-0577	EA	22'	High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,423.39	244.49
			For >10 To 20, Deduct	-49.60	
			For >20 To 40, Deduct	-89.86	
			For >40, Deduct	-189.06	

26	26 Electrical
	26 50 Lighting
	26 56 Exterior Lighting



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
26 56 13 00-0578	EA 24' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial..... For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,548.28 -54.11 -97.95 -206.16		260.79	
26 56 13 00-0579	EA 26' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial..... For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,631.91 -57.45 -103.80 -218.71		260.79	
26 56 13 00-0580	EA 28' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial..... For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,749.59 -61.67 -111.39 -234.73		277.09	
26 56 13 00-0581	EA 30' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial..... For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,867.27 -65.89 -118.97 -250.75		293.39	
26 56 13 00-0582 Factory Accessories For Fiberglass Area Light Poles (26 56 13 00-0510)					
26 56 13 00-0583	EA Open Or Capped Top For Fiberglass Area Light Poles	51.13			
26 56 13 00-0584	EA Factory Side Drilling Up To Four Fixtures On Fiberglass Area Light Poles.....	51.13			
26 56 13 00-0585	EA Smooth Shaft Finish For Fiberglass Area Light Poles.....	97.01			
26 56 13 00-0586	EA Vibration Dampener For Fiberglass Area Light Poles	128.47			
26 56 13 00-0587 Concrete Area Light Poles (26 56 13 00-0177)					
26 56 13 00-0588 Octagonal Tapered, Spun Concrete Area Light Poles, Anchor Base (26 56 13 00-0587)					
26 56 13 00-0589	EA 28' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	2,126.37		554.18	
26 56 13 00-0590	EA 30' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	2,242.47		586.78	
26 56 13 00-0591	EA 33' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	2,324.79		603.08	
26 56 13 00-0592	EA 36' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	2,859.05		619.38	
26 56 13 00-0593	EA 38' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	3,167.28		651.98	
26 56 13 00-0594	EA 43' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	3,930.05		847.57	
26 56 13 00-0595	EA 47' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	4,714.92		1,043.17	
26 56 13 00-0596	EA 27' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	4,460.00		554.18	
Note: Polished brown with acrylic coating finish.					
26 56 13 00-0597	EA 30' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	5,134.59		586.78	
Note: Polished brown with acrylic coating finish.					
26 56 13 00-0598	EA Pole Adapter Base Plate, Galvanized Steel, 1" Thick For Adapting Up To 40'	691.19		195.59	
26 56 13 00-0599	EA 13' High Concrete Octagonal Area Light Pole, Pink With Acrylic Coating, Finish Design	2,670.11		391.06	
26 56 13 00-0600	EA Pole Base Cover For All Octagon Poles	267.34		79.80	
26 56 13 00-0601	EA Pole Arms 24" Long, Square, 250 Watt Fixture, Dark, Architectural Bronze.....	549.26		159.61	
26 56 13 00-0602 Tapered, Spun Concrete Area Light Poles, Direct Burial (26 56 13 00-0587)					
Note: Round or square.					
26 56 13 00-0603	EA 13' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	2,203.20		260.79	
26 56 13 00-0604	EA 16' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	2,497.16		325.99	
26 56 13 00-0605	EA 18' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	2,764.99		391.19	
26 56 13 00-0606	EA 30' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	3,862.74		586.78	
26 56 13 00-0607	EA 35' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	4,440.46		619.38	
26 56 13 00-0608	EA 40' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	5,064.50		651.98	
26 56 13 00-0609	EA 45' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	5,893.18		847.57	
26 56 13 00-0610 Round Tapered, Spun Concrete Area Light Poles, Direct Burial (26 56 13 00-0587)					
26 56 13 00-0611	EA 60' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C2 60 9-22).....	18,961.80		1,466.95	
26 56 13 00-0612	EA 70' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C2 70 9-24).....	22,655.58		1,831.29	
26 56 13 00-0613	EA 80' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C1 80 9-26).....	26,864.44		2,473.84	
26 56 13 00-0614 Treated Wood Area Light Poles (26 56 13 00-0177)					
See CSI section 26 05 46 00-0001 for wood poles.					
26 56 13 00-0615 Cast Iron Decorative Light Posts (26 56 13 00-0177)					
26 56 13 00-0616 Round Tapered, Cast Iron Decorative Light Post, Anchor Base (26 56 13 00-0615)					
Note: As manufactured by Hadco and King Luminaries or an approved equal.					
26 56 13 00-0617	EA 10' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	1,365.26		162.99	
26 56 13 00-0618	EA 12' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	1,442.41		187.77	
26 56 13 00-0619	EA 14' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	1,562.83		195.59	
26 56 13 00-0620	EA 16' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	1,918.17		228.19	
26 56 13 00-0621	EA 18' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	2,237.25		247.75	
26 56 13 00-0622	EA 20' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	2,571.59		267.31	
26 56 13 00-0623 Landscape Light Poles (26 56 13 00-0001)					
Note: Excludes lighting fixtures.					
26 56 13 00-0624 Aluminum Landscape Light Poles (26 56 13 00-0623)					
Note: Includes painted finish.					
26 56 13 00-0625 Round Straight, Aluminum Landscape Light Poles (26 56 13 00-0624)					
26 56 13 00-0626 Round Straight, Aluminum Landscape Light Poles, Anchor Base (26 56 13 00-0625)					
26 56 13 00-0627	EA 7' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Anchor Base.....	486.02		195.59	
26 56 13 00-0628	EA 12' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Anchor Base.....	821.72		260.79	

		Electrical	26	26
		Lighting	26 50	
		Exterior Lighting	26 56	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST
				DEMOLITION UNIT COST

26 56 13 00-0629			Round Straight, Aluminum Landscape Light Poles, Direct Burial (26 56 13 00-0625)		
26 56 13 00-0630	EA	7' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Direct Burial	441.39		195.59
26 56 13 00-0631	EA	12' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Direct Burial	777.09		260.79
26 56 13 00-0632		Steel Landscape Light Poles (26 56 13 00-0623)			
		Note: Includes painted finish.			
26 56 13 00-0633		Round Straight, Steel Landscape Light Poles (26 56 13 00-0632)			
26 56 13 00-0634		Round Straight, Steel Landscape Light Poles, Anchor Base (26 56 13 00-0633)			
26 56 13 00-0635	EA	6'-8" High, 3" OD, Round Straight, Steel Landscape Light Pole, Anchor Base.....	562.63		195.59
26 56 13 00-0636		Round Straight, Steel Landscape Light Poles, Direct Burial (26 56 13 00-0633)			
26 56 13 00-0637	EA	6'-8" High, 3" OD, Round Straight, Steel Landscape Light Pole, Direct Burial.....	524.23		195.59
26 56 13 00-0638		Light Pole Brackets And Arms (26 56 13 00-0001)			
26 56 13 00-0639		Light Pole Brackets (26 56 13 00-0638)			
26 56 13 00-0640		Bullhorn Style, Pole Top Area Light Brackets (26 56 13 00-0639)			
26 56 13 00-0641		Round Bullhorn Style, Pole Top Area Light Brackets (26 56 13 00-0640)			
26 56 13 00-0642		Steel, Round Bullhorn Style, Pole Top Area Light Brackets (26 56 13 00-0641)			
		Note: Includes powdercoat finish.			
26 56 13 00-0643	EA	Two Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket.....	765.77		39.12
		For Galvanized Finish, Add	68.75		
26 56 13 00-0644	EA	Three Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	973.21		39.12
		For Galvanized Finish, Add	89.50		
26 56 13 00-0645	EA	Three Tenons At 120 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	1,036.53		39.12
		For Galvanized Finish, Add	95.83		
26 56 13 00-0646	EA	Four Tenons At 90 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	1,427.38		39.12
		For Galvanized Finish, Add	134.91		
26 56 13 00-0647	EA	Four Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	1,488.24		39.12
		For Galvanized Finish, Add	141.00		
26 56 13 00-0648		Aluminum, Round Bullhorn Style, Pole Top Area Light Brackets (26 56 13 00-0641)			
		Note: Includes satin brushed or painted finish.			
26 56 13 00-0649	EA	Two Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket	251.95		39.12
		For Bronze Or Satin Anodized Finish, Add	17.37		
		For Black Anodized Finish, Add	34.74		
26 56 13 00-0650	EA	Three Tenons At 120 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket	307.36		39.12
		For Bronze Or Satin Anodized Finish, Add	22.91		
		For Black Anodized Finish, Add	45.82		
26 56 13 00-0651	EA	Three Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket	322.28		39.12
		For Bronze Or Satin Anodized Finish, Add	24.40		
		For Black Anodized Finish, Add	48.81		
26 56 13 00-0652	EA	Four Tenons At 90 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket	374.50		39.12
		For Bronze Or Satin Anodized Finish, Add	29.63		
		For Black Anodized Finish, Add	59.25		
26 56 13 00-0653	EA	Four Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket	385.16		39.12
		For Bronze Or Satin Anodized Finish, Add	30.69		
		For Black Anodized Finish, Add	61.38		
26 56 13 00-0654		Square Bullhorn Style, Pole Top Area Light Brackets (26 56 13 00-0640)			
26 56 13 00-0655		Steel, Square Bullhorn Style, Pole Top Area Light Brackets (26 56 13 00-0654)			
		Note: Includes powdercoat finish.			
26 56 13 00-0656	EA	Two Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket.....	825.00		39.12
		For Galvanized Finish, Add	74.68		
26 56 13 00-0657	EA	Three Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket	1,023.70		39.12
		For Galvanized Finish, Add	94.55		
26 56 13 00-0658	EA	Four Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket	1,257.07		39.12
		For Galvanized Finish, Add	117.88		
26 56 13 00-0659	EA	Four Tenons At 90 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket	1,491.52		39.12
		For Galvanized Finish, Add	141.33		
26 56 13 00-0660		Wood Pole Clamp On Style, Pole Top Area Light Brackets (26 56 13 00-0639)			
26 56 13 00-0661		Steel, Wood Pole Clamp On Style, Pole Top Area Light Brackets (26 56 13 00-0660)			
		Note: Includes powdercoat finish.			
26 56 13 00-0662	EA	One Tenon, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket	766.35		65.20
26 56 13 00-0663	EA	Two Tenons At 90, 120 Or 180 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket	1,173.03		65.20
26 56 13 00-0664	EA	Three Tenons At 120 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket	1,654.22		65.20
26 56 13 00-0665	EA	Four Tenons At 90 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket	1,812.53		65.20
26 56 13 00-0666		Light Pole Arms (26 56 13 00-0638)			
26 56 13 00-0667		Wood Pole Streetlight Arms (26 56 13 00-0665)			

26	26	Electrical
	26 50	Lighting
	26 56	Exterior Lighting



MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
26 56 13 00-0668 Steel, Wood Pole Streetlight Arms (26 56 13 00-0667)					
26 56 13 00-0669	EA	1-1/4" Arm Diameter, 2-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	434.52	58.68	
26 56 13 00-0670	EA	1-1/4" Arm Diameter, 3-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	458.20	65.20	
26 56 13 00-0671	EA	1-1/4" Arm Diameter, 5-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	528.18	81.50	
26 56 13 00-0672	EA	2" Arm Diameter, 3-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	653.08	65.20	
26 56 13 00-0673	EA	2" Arm Diameter, 5-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	722.52	81.50	
26 56 13 00-0674	EA	2" Arm Diameter, 7-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	877.67	97.79	
26 56 13 00-0675 Aluminum, Wood Pole Streetlight Arms (26 56 13 00-0667)					
26 56 13 00-0676	EA	1-1/4" Arm Diameter, 42" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount.....	249.73	65.20	
26 56 13 00-0677	EA	2" Arm Diameter, 42" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount.....	310.93	65.20	
26 56 13 00-0678	EA	2" Arm Diameter, 66" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount.....	416.23	81.50	
26 56 13 00-0679	EA	2" Arm Diameter, 90" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount.....	546.90	97.79	
26 56 13 00-0680 Area Light Arms (26 56 13 00-0666)					
26 56 13 00-0681 Steel Area Light Arms (26 56 13 00-0680)					
26 56 13 00-0682	EA	Single, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arm, Hub Mount.....	855.49	65.20	
26 56 13 00-0683	EA	Two, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount.....	1,358.53	71.72	
26 56 13 00-0684	EA	Three, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount.....	1,510.35	78.24	
26 56 13 00-0685	EA	Four, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount.....	1,798.14	84.75	
26 56 13 00-0686	EA	Single, 2.38" Arm Diameter, 6' Arm Length, Upsweep Style, Steel Area Light Arm, Hub Mount.....	1,018.37	81.50	
26 56 13 00-0687	EA	Two, 2.38" Arm Diameter, 6' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount.....	1,470.44	88.02	
26 56 13 00-0688 Aluminum Area Light Arms (26 56 13 00-0680)					
26 56 13 00-0689	EA	Single, 4' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount.....	304.11	65.20	
26 56 13 00-0690	EA	Single, 6' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount.....	375.06	81.50	
26 56 13 00-0691	EA	Single, 8' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount.....	448.16	97.79	
26 56 13 00-0692	EA	Single, 4' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount.....	301.97	65.20	
26 56 13 00-0693	EA	Two, 4' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount.....	430.10	71.72	
26 56 13 00-0694	EA	Single, 6' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount.....	370.80	81.50	
26 56 13 00-0695	EA	Two, 6' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount.....	524.52	88.02	
26 56 13 00-0696	EA	Single, 8' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount.....	450.29	97.79	
26 56 13 00-0697	EA	Two, 8' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount.....	637.03	104.32	
26 56 13 00-0698 Removal And Reinstallation Of Lighting Pole (26 56 13 00-0001)					
26 56 13 00-0699	EA	Removal And Relocation Of Up To 45' Lighting Pole And Standards With One Or Two Arms.....	2,151.74		
26 56 13 00-0700 High Mast Lighting (26 56 13 00-0001)					
26 56 13 00-0701 High Mast Lighting Assemblies (26 56 13 00-0700)					
Note: Includes non-latching system, ring assembly with internal bumper, acrylic top cover, pulley supports, cast arm filter for pipe tension, transition assembly, standard head frame assembly, standard hoist, and powder coated pole.					
26 56 13 00-0702	EA	60' High Mast Lighting Assembly.....	58,630.38	2,032.79	
26 56 13 00-0703	EA	70' High Mast Lighting Assembly.....	61,934.95	2,129.05	
26 56 13 00-0704	EA	80' High Mast Lighting Assembly.....	65,269.63	2,268.10	
26 56 13 00-0705	EA	90' High Mast Lighting Assembly.....	68,632.40	2,449.94	
26 56 13 00-0706	EA	100' High Mast Lighting Assembly.....	72,009.21	2,674.48	
26 56 13 00-0707	EA	110' High Mast Lighting Assembly.....	76,354.27	2,942.14	
26 56 13 00-0708	EA	120' High Mast Lighting Assembly.....	79,857.62	3,209.57	
26 56 13 00-0709	EA	130' High Mast Lighting Assembly.....	83,089.75	3,477.00	
26 56 13 00-0710	EA	140' High Mast Lighting Assembly.....	86,593.09	3,744.56	
26 56 13 00-0711	EA	150' High Mast Lighting Assembly.....	90,863.82	4,011.99	
26 56 13 00-0712 High Mast Light Poles (26 56 13 00-0700)					
26 56 13 00-0713	EA	60' High Mast Light Poles.....	22,153.04	1,220.86	
26 56 13 00-0714	EA	70' High Mast Light Poles.....	25,428.70	1,278.69	
26 56 13 00-0715	EA	80' High Mast Light Poles.....	28,721.61	1,362.22	
26 56 13 00-0716	EA	90' High Mast Light Poles.....	32,029.77	1,471.46	
26 56 13 00-0717	EA	100' High Mast Light Poles.....	35,355.18	1,606.39	
26 56 13 00-0718	EA	110' High Mast Light Poles.....	38,697.85	1,767.03	
26 56 13 00-0719	EA	120' High Mast Light Poles.....	41,216.86	1,927.67	
26 56 13 00-0720	EA	130' High Mast Light Poles.....	41,374.36	3,572.61	
26 56 13 00-0721	EA	140' High Mast Light Poles.....	45,981.67	2,248.95	
26 56 13 00-0722	EA	150' High Mast Light Poles.....	48,773.91	2,409.58	
26 56 13 00-0723 High Mast Lighting Accessories (26 56 13 00-0700)					
26 56 13 00-0724	EA	Bottom Latching System For High Mast Lighting.....	1,025.62		
26 56 13 00-0725	EA	Top Latching System For High Mast Lighting.....	2,916.71		
26 56 13 00-0726	EA	Centering Springs For High Mast Lighting.....	2,209.13		
26 56 13 00-0727	EA	Electric Power Cord For High Mast Lighting.....	924.99		
26 56 13 00-0728	EA	Aircraft Warning Lights For High Mast Lighting.....	1,717.18		
26 56 13 00-0729	EA	Internal Motorized Hoist For High Mast Lighting.....	19,003.09		
26 56 13 00-0730	EA	Portable Hoist Motor With Step Down Transformer For High Mast Lighting.....	19,103.53		

		Electrical	26	26
		Lighting	26 50	
		Exterior Lighting	26 56	
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
		UNIT COST	UNIT COST	

26 56 13 00-0731	Concrete Bases (26 56 13 00-0001)			
26 56 13 00-0732	Concrete Bases, Cast In Place (26 56 13 00-0731)			
Note: Includes excavation/drilling, concrete, reinforcement, forms for exposed base, anchors/supports and backfill. Excludes conduit.				
26 56 13 00-0733	EA Cast In Place Concrete Base For Poles Minimum Charge	377.86		
Note: For projects where the cast in place concrete base for poles charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.				
26 56 13 00-0734	VLF 1-1/2' Diameter Concrete Base For Poles	64.33		
26 56 13 00-0735	VLF 2' Diameter Concrete Base For Poles	89.69		
26 56 13 00-0736	VLF 2-1/2' Diameter Concrete Base For Poles	120.43		
26 56 13 00-0737	VLF 3' Diameter Concrete Base For Poles	157.72		
26 56 13 00-0738	VLF 3-1/2' Diameter Concrete Base For Poles	210.79		
26 56 13 00-0739	VLF 4' Diameter Concrete Base For Poles	264.72		
26 56 13 00-0740	VLF 5' Diameter Concrete Base For Poles	383.27		
26 56 13 00-0741	VLF 6' Diameter Concrete Base For Poles	526.11		
26 56 17	Fluorescent Exterior Lighting (26 56)			
26 56 17 00-0001	High Abuse Fixtures (26 56 17)			
26 56 17 00-0002	EA 2 Lamp, 32 Watt, 4', Fluorescent Fixture Ceiling/Wall Mount Kenall #SH8-48-2-32-EB	360.54		80.42
26 56 18	Incandescent Exterior Lighting (26 56)			
26 56 18 00-0001	Exterior Globe (26 56 18)			
26 56 18 00-0002	Incandescent, Exterior Globe (26 56 18 00-0001)			
26 56 18 00-0003	EA 100 Watt Incandescent, Enclosed And Gasketed, Exterior Wall Fixture	57.84		21.45
26 56 18 00-0004	EA 150 To 200 Watt Incandescent, Enclosed And Gasketed, Exterior Wall Fixture	88.38		21.45
26 56 18 00-0005	EA 100 Watt Incandescent, Enclosed And Gasketed With Guard, Exterior Wall Fixture	67.59		21.45
26 56 18 00-0006	EA 150 To 200 Watt Incandescent, Enclosed And Gasketed With Guard, Exterior Wall Fixture	92.14		21.45
26 56 18 00-0007	Compact Fluorescent And Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures (26 56 18)			
Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.				
26 56 18 00-0008	EA 7 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	258.55		85.78
26 56 18 00-0009	EA 9 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	269.32		91.15
26 56 18 00-0010	EA 13 Or 14 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	297.05		96.50
26 56 18 00-0011	EA 75 Watt Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	287.49		107.23
26 56 18 00-0012	EA 100 Watt Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	323.02		123.31
26 56 18 00-0013	EA 1 - 13 Watt Lamp, Fluorescent, Vandal Resistant, Surface Mounted, Exterior Area Fixture (Fail-Safe FSP Series)	282.37		96.50
26 56 18 00-0014	EA 2 - 13 Watt Lamps, Fluorescent, Vandal Resistant, Surface Mounted, Exterior Area Fixture (Fail-Safe FSP Series)	287.74		96.50
26 56 18 00-0015	EA 1 - 26 Watt Lamp, Fluorescent, Vandal Resistant, Surface Mounted, Exterior Area Fixture (Fail-Safe FSP Series)	283.62		96.50
26 56 18 00-0016	EA 2 - 26 Watt Lamps, Fluorescent, Vandal Resistant, Surface Mounted, Exterior Area Fixture (Fail-Safe FSP Series)	290.25		96.50
26 56 19	LED Exterior Lighting (26 56)			
26 56 19 00-0001	LED, Roadway Lighting (26 56 19)			
26 56 19 00-0002	LED Roadway Lighting (Philips Lumec) (26 56 19 00-0001)			
26 56 19 00-0003	Horizontal Tenon Mount, LED Cobra Head Street Lights (Philips Lumec GPL Series) (26 56 19 00-0002)			
Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 570mA driver, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.				
26 56 19 00-0004	EA 49 LEDs, 102 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec GPLS Series)	1,467.40		157.25
For >50 To 100, Deduct		-73.37		
For >100 To 250, Deduct		-110.06		
For >250 To 500, Deduct		-175.56		
For >500 To 1,000, Deduct		-241.07		
For >1,000, Deduct		-306.58		
26 56 19 00-0005	EA 98 LEDs, 204 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec GPLM Series)	2,290.12		161.50
For >50 To 100, Deduct		-114.51		
For >100 To 250, Deduct		-171.76		
For >250 To 500, Deduct		-278.19		
For >500 To 1,000, Deduct		-384.62		
For >1,000, Deduct		-491.05		
26 56 19 00-0006	Horizontal Tenon Mount, LED Cobra Head Street Lights (Philips Lumec RFM Series) (26 56 19 00-0002)			
Note: UL wet listed. Includes 3,000 to 4,000K color temperature, 120-277 voltage, up to 1050mA driver, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.				
26 56 19 00-0007	EA 48 LEDs, 55 Watt, Type III Medium, 120-277 Volt, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec RFM Series)	1,177.63		157.25
For >50 To 100, Deduct		-58.88		
For >100 To 250, Deduct		-88.32		
For >250 To 500, Deduct		-139.34		
For >500 To 1,000, Deduct		-190.36		
For >1,000, Deduct		-241.38		

26	26	Electrical
	26 50	Lighting
	26 56	Exterior Lighting

MINOR			TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 56 19 00-0008	EA	48 LEDs, 80 Watt, Type III Medium, 120-277 Volt, RoadFocus Roadway, LED Cobra Head Luminaire (Philips Lumec RFM Series).....	1,263.94		157.25
		For >50 To 100, Deduct	-63.20		
		For >100 To 250, Deduct	-94.80		
		For >250 To 500, Deduct	-150.13		
		For >500 To 1,000, Deduct	-205.46		
		For >1,000, Deduct	-260.80		
26 56 19 00-0009	EA	48 LEDs, 108 Watt, Type III Medium, 120-277 Volt, RoadFocus Roadway, LED Cobra Head Luminaire (Philips Lumec RFM Series).....	1,350.25		157.25
		For >50 To 100, Deduct	-67.51		
		For >100 To 250, Deduct	-101.27		
		For >250 To 500, Deduct	-160.92		
		For >500 To 1,000, Deduct	-220.57		
		For >1,000, Deduct	-280.22		
26 56 19 00-0010		LED Roadway Lighting (Lithonia) (26 56 19 00-0001)			
26 56 19 00-0011		Horizontal Tenon Mount, LED Cobra Head Street Lights (Lithonia CSX1 Series) (26 56 19 00-0010)			
		Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 700mA driver, die-cast extruded aluminum housing assembly and bronze powder coat finish. Excludes sensors.			
26 56 19 00-0012	EA	30 LEDs, 74 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Lithonia CSX1 Series).....	2,399.96		148.75
		For >50 To 100, Deduct	-120.00		
		For >100 To 250, Deduct	-180.00		
		For >250 To 500, Deduct	-292.56		
		For >500 To 1,000, Deduct	-405.12		
		For >1,000, Deduct	-517.68		
26 56 19 00-0013	EA	60 LEDs, 146 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Lithonia CSX1 Series).....	3,994.49		153.00
		For >50 To 100, Deduct	-199.72		
		For >100 To 250, Deduct	-299.59		
		For >250 To 500, Deduct	-491.66		
		For >500 To 1,000, Deduct	-683.74		
		For >1,000, Deduct	-875.81		
26 56 19 00-0014		LED Roadway Lighting (CREE® BetaLED®) (26 56 19 00-0001)			
26 56 19 00-0015		Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® BetaLED® LEDway® STR-LWY) (26 56 19 00-0014)			
		Note: UL wet listed. Includes 6,000K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type II Medium, Type II Short or Type III Medium optic. Excludes sensors.			
26 56 19 00-0016	EA	20 LEDs, 25 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	941.32		144.51
		For >50 To 100, Deduct	-47.07		
		For >100 To 250, Deduct	-70.60		
		For >250 To 500, Deduct	-110.44		
		For >500 To 1,000, Deduct	-150.28		
		For >1,000, Deduct	-190.12		
26 56 19 00-0017	EA	30 LEDs, 35 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,060.44		148.75
		For >50 To 100, Deduct	-53.02		
		For >100 To 250, Deduct	-79.53		
		For >250 To 500, Deduct	-125.12		
		For >500 To 1,000, Deduct	-170.70		
		For >1,000, Deduct	-216.29		
26 56 19 00-0018	EA	40 LEDs, 45 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,204.36		153.00
		For >50 To 100, Deduct	-60.22		
		For >100 To 250, Deduct	-90.33		
		For >250 To 500, Deduct	-142.89		
		For >500 To 1,000, Deduct	-195.46		
		For >1,000, Deduct	-248.03		
26 56 19 00-0019	EA	50 LEDs, 55 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,325.39		157.25
		For >50 To 100, Deduct	-66.27		
		For >100 To 250, Deduct	-99.40		
		For >250 To 500, Deduct	-157.81		
		For >500 To 1,000, Deduct	-216.22		
		For >1,000, Deduct	-274.62		
26 56 19 00-0020	EA	60 LEDs, 65 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,446.42		161.50
		For >50 To 100, Deduct	-72.32		
		For >100 To 250, Deduct	-108.48		
		For >250 To 500, Deduct	-172.73		
		For >500 To 1,000, Deduct	-236.97		
		For >1,000, Deduct	-301.22		
26 56 19 00-0021	EA	70 LEDs, 75 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,735.30		165.76
		For >50 To 100, Deduct	-86.77		
		For >100 To 250, Deduct	-130.15		
		For >250 To 500, Deduct	-208.62		
		For >500 To 1,000, Deduct	-287.10		
		For >1,000, Deduct	-365.58		

				Electrical	26	26
				Lighting	26 50	
				Exterior Lighting	26 56	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
26 56 19 00-0022	EA		80 LEDs, 86 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,856.33	170.00	
			For >50 To 100, Deduct	-92.82		
			For >100 To 250, Deduct	-139.22		
			For >250 To 500, Deduct	-223.54		
			For >500 To 1,000, Deduct	-307.86		
			For >1,000, Deduct	-392.17		
26 56 19 00-0023	EA		90 LEDs, 96 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,975.46	174.26	
			For >50 To 100, Deduct	-98.77		
			For >100 To 250, Deduct	-148.16		
			For >250 To 500, Deduct	-238.22		
			For >500 To 1,000, Deduct	-328.28		
			For >1,000, Deduct	-418.34		
26 56 19 00-0024	EA		100 LEDs, 111 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	2,209.01	178.50	
			For >50 To 100, Deduct	-110.45		
			For >100 To 250, Deduct	-165.68		
			For >250 To 500, Deduct	-267.20		
			For >500 To 1,000, Deduct	-368.73		
			For >1,000, Deduct	-470.25		
26 56 19 00-0025	EA		110 LEDs, 122 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	2,330.04	182.76	
			For >50 To 100, Deduct	-116.50		
			For >100 To 250, Deduct	-174.75		
			For >250 To 500, Deduct	-282.12		
			For >500 To 1,000, Deduct	-389.48		
			For >1,000, Deduct	-496.85		
26 56 19 00-0026	EA		120 LEDs, 133 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	2,451.09	187.00	
			For >50 To 100, Deduct	-122.55		
			For >100 To 250, Deduct	-183.83		
			For >250 To 500, Deduct	-297.04		
			For >500 To 1,000, Deduct	-410.24		
			For >1,000, Deduct	-523.44		
26 56 19 00-0027			Surface Mount, LED Transportation Fixtures (CREE® BetaLED® Edge® TSP-EDG) (26 56 19 00-0014)			
			Note: Direct, cantenary or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.			
26 56 19 00-0028	EA		40 LEDs, 47 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	1,900.53	153.00	
			For Multi-Level Drive Currents, Add	267.03		
			For >50 To 100, Deduct	-95.03		
			For >100 To 250, Deduct	-142.54		
			For >250 To 500, Deduct	-229.92		
			For >500 To 1,000, Deduct	-317.29		
			For >1,000, Deduct	-404.67		
26 56 19 00-0029	EA		60 LEDs, 68 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	2,197.91	161.50	
			For Multi-Level Drive Currents, Add	267.03		
			For >50 To 100, Deduct	-109.90		
			For >100 To 250, Deduct	-164.84		
			For >250 To 500, Deduct	-266.66		
			For >500 To 1,000, Deduct	-368.48		
			For >1,000, Deduct	-470.30		
26 56 19 00-0030	EA		80 LEDs, 90 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	2,495.29	170.00	
			For Multi-Level Drive Currents, Add	267.03		
			For >50 To 100, Deduct	-124.76		
			For >100 To 250, Deduct	-187.15		
			For >250 To 500, Deduct	-303.41		
			For >500 To 1,000, Deduct	-419.68		
			For >1,000, Deduct	-535.94		
26 56 19 00-0031	EA		100 LEDs, 111 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	2,792.65	178.50	
			For Multi-Level Drive Currents, Add	267.03		
			For >50 To 100, Deduct	-139.63		
			For >100 To 250, Deduct	-209.45		
			For >250 To 500, Deduct	-340.16		
			For >500 To 1,000, Deduct	-470.86		
			For >1,000, Deduct	-601.57		
26 56 19 00-0032	EA		120 LEDs, 132 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	3,685.13	187.00	
			For Multi-Level Drive Currents, Add	267.03		
			For >50 To 100, Deduct	-184.26		
			For >100 To 250, Deduct	-276.38		
			For >250 To 500, Deduct	-451.29		
			For >500 To 1,000, Deduct	-626.20		
			For >1,000, Deduct	-801.10		
26 56 19 00-0033	EA		140 LEDs, 157 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	3,982.50	195.50	
			For Multi-Level Drive Currents, Add	267.03		
			For >50 To 100, Deduct	-199.13		
			For >100 To 250, Deduct	-298.69		
			For >250 To 500, Deduct	-488.04		
			For >500 To 1,000, Deduct	-677.39		
			For >1,000, Deduct	-866.74		
26 56 19 00-0034	EA		160 LEDs, 179 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	4,279.88	204.00	
			For Multi-Level Drive Currents, Add	267.03		
			For >50 To 100, Deduct	-213.99		
			For >100 To 250, Deduct	-320.99		
			For >250 To 500, Deduct	-524.78		
			For >500 To 1,000, Deduct	-728.58		
			For >1,000, Deduct	-932.37		

26	26	Electrical
	26 50	Lighting
	26 56	Exterior Lighting

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 56 19 00-0035			Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® BetaLED® XSP) (26 56 19 00-0014) Note: UL wet listed. Includes 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0036	EA		4,806 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-B-HT-XXX-A).....	776.05	153.00
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	22.49	
			For Backlight Control Shield, Add	36.57	
			For Field Adjustable Output, Add	33.75	
			For Bird Spikes, Add	57.81	
			For Field Adjustable Output And Utility Label, Add	44.99	
			For Fuse, Add	67.48	
			For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	67.48	
			For 480 Volt, Add	101.23	
			For Multi-Level, Add	146.21	
			For >50 To 100, Deduct	-38.80	
			For >100 To 250, Deduct	-58.20	
			For >250 To 500, Deduct	-89.36	
			For >500 To 1,000, Deduct	-120.51	
			For >1,000, Deduct	-151.66	
26 56 19 00-0037	EA		5,340 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-B-HT-XXX-A).....	776.05	153.00
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	22.49	
			For Backlight Control Shield, Add	36.57	
			For Field Adjustable Output, Add	33.75	
			For Bird Spikes, Add	57.81	
			For Field Adjustable Output And Utility Label, Add	44.99	
			For Fuse, Add	67.48	
			For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	67.48	
			For 480 Volt, Add	101.23	
			For Multi-Level, Add	146.21	
			For >50 To 100, Deduct	-38.80	
			For >100 To 250, Deduct	-58.20	
			For >250 To 500, Deduct	-89.36	
			For >500 To 1,000, Deduct	-120.51	
			For >1,000, Deduct	-151.66	
26 56 19 00-0038	EA		8,407 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-C-HT-XXX-E).....	861.08	153.00
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	22.49	
			For Backlight Control Shield, Add	36.57	
			For Field Adjustable Output, Add	33.75	
			For Bird Spikes, Add	57.81	
			For Field Adjustable Output And Utility Label, Add	44.99	
			For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	67.48	
			For 480 Volt, Add	101.23	
			For >50 To 100, Deduct	-43.05	
			For >100 To 250, Deduct	-64.58	
			For >250 To 500, Deduct	-99.98	
			For >500 To 1,000, Deduct	-135.39	
			For >1,000, Deduct	-170.79	
26 56 19 00-0039	EA		8,820 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-C-HT-XXX-E).....	861.08	153.00
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	22.49	
			For Backlight Control Shield, Add	36.57	
			For Field Adjustable Output, Add	33.75	
			For Bird Spikes, Add	57.81	
			For Field Adjustable Output And Utility Label, Add	44.99	
			For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	67.48	
			For 480 Volt, Add	101.23	
			For >50 To 100, Deduct	-43.05	
			For >100 To 250, Deduct	-64.58	
			For >250 To 500, Deduct	-99.98	
			For >500 To 1,000, Deduct	-135.39	
			For >1,000, Deduct	-170.79	
26 56 19 00-0040	EA		9,612 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-B-HT-XXX-B).....	1,012.24	153.00
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	22.49	
			For Field Adjustable Output, Add	33.75	
			For Backlight Control Shield, Add	53.08	
			For Field Adjustable Output And Utility Label, Add	44.99	
			For Fuse, Add	67.48	
			For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	67.48	
			For Bird Spikes, Add	95.62	
			For 480 Volt, Add	101.23	
			For Multi-Level, Add	146.21	
			For >50 To 100, Deduct	-50.61	
			For >100 To 250, Deduct	-75.92	
			For >250 To 500, Deduct	-118.88	
			For >500 To 1,000, Deduct	-161.84	
			For >1,000, Deduct	-204.80	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0041	EA		10,680 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-B-HT-XXX-B)	1,012.24	153.00
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	22.49	
			For Field Adjustable Output, Add	33.75	
			For Backlight Control Shield, Add	53.08	
			For Field Adjustable Output And Utility Label, Add	44.99	
			For Fuse, Add	67.48	
			For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	67.48	
			For Bird Spikes, Add	95.62	
			For 480 Volt, Add	101.23	
			For Multi-Level, Add	146.21	
			For >50 To 100, Deduct	-50.61	
			For >100 To 250, Deduct	-75.92	
			For >250 To 500, Deduct	-118.88	
			For >500 To 1,000, Deduct	-161.84	
			For >1,000, Deduct	-204.80	
26 56 19 00-0042	EA		13,732 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-C-HT-XXX-F)	1,153.97	153.00
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	22.49	
			For Field Adjustable Output, Add	33.75	
			For Backlight Control Shield, Add	53.08	
			For Field Adjustable Output And Utility Label, Add	44.99	
			For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	67.48	
			For Bird Spikes, Add	95.62	
			For 480 Volt, Add	101.23	
			For >50 To 100, Deduct	-57.70	
			For >100 To 250, Deduct	-86.55	
			For >250 To 500, Deduct	-136.60	
			For >500 To 1,000, Deduct	-186.64	
			For >1,000, Deduct	-236.69	
26 56 19 00-0043	EA		14,408 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-C-HT-XXX-F)	1,153.97	153.00
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	22.49	
			For Field Adjustable Output, Add	33.75	
			For Backlight Control Shield, Add	53.08	
			For Field Adjustable Output And Utility Label, Add	44.99	
			For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	67.48	
			For Bird Spikes, Add	95.62	
			For 480 Volt, Add	101.23	
			For >50 To 100, Deduct	-57.70	
			For >100 To 250, Deduct	-86.55	
			For >250 To 500, Deduct	-136.60	
			For >500 To 1,000, Deduct	-186.64	
			For >1,000, Deduct	-236.69	
26 56 19 00-0044	EA		2,529 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-G)	624.88	153.00
			For Utility Label, Add	11.24	
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	22.49	
			For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	33.75	
			For 0 To 10 Volt Dimming, Add	67.48	
			For >50 To 100, Deduct	-31.24	
			For >100 To 250, Deduct	-46.87	
			For >250 To 500, Deduct	-70.46	
			For >500 To 1,000, Deduct	-94.05	
			For >1,000, Deduct	-117.65	
26 56 19 00-0045	EA		2,722 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-G)	624.88	153.00
			For Utility Label, Add	11.24	
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	22.49	
			For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	33.75	
			For 0 To 10 Volt Dimming, Add	67.48	
			For >50 To 100, Deduct	-31.24	
			For >100 To 250, Deduct	-46.87	
			For >250 To 500, Deduct	-70.46	
			For >500 To 1,000, Deduct	-94.05	
			For >1,000, Deduct	-117.65	
26 56 19 00-0046	EA		3,819 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-C)	660.31	153.00
			For Utility Label, Add	11.24	
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	22.49	
			For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	33.75	
			For 0 To 10 Volt Dimming, Add	67.48	
			For >50 To 100, Deduct	-33.02	
			For >100 To 250, Deduct	-49.52	
			For >250 To 500, Deduct	-74.89	
			For >500 To 1,000, Deduct	-100.25	
			For >1,000, Deduct	-125.62	
26 56 19 00-0047	EA		4,109 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-C)	660.31	153.00
			For Utility Label, Add	11.24	
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	22.49	
			For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	33.75	
			For 0 To 10 Volt Dimming, Add	67.48	
			For >50 To 100, Deduct	-33.02	
			For >100 To 250, Deduct	-49.52	
			For >250 To 500, Deduct	-74.89	
			For >500 To 1,000, Deduct	-100.25	
			For >1,000, Deduct	-125.62	

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 56 19 00-0048	EA	4,548 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-B-HT-XXX-A).....	672.12	153.00
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	22.49	
		For Field Adjustable Output, Add	33.75	
		For Field Adjustable Output And Utility Label, Add	44.99	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	67.48	
		For 0 To 10 Volt Dimming, Add	67.48	
		For >50 To 100, Deduct	-33.61	
		For >100 To 250, Deduct	-50.41	
		For >250 To 500, Deduct	-76.36	
		For >500 To 1,000, Deduct	-102.32	
		For >1,000, Deduct	-128.28	
26 56 19 00-0049	EA	4,627 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-B-HT-XXX-A).....	672.12	153.00
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	22.49	
		For Field Adjustable Output, Add	33.75	
		For Field Adjustable Output And Utility Label, Add	44.99	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	67.48	
		For 0 To 10 Volt Dimming, Add	67.48	
		For >50 To 100, Deduct	-33.61	
		For >100 To 250, Deduct	-50.41	
		For >250 To 500, Deduct	-76.36	
		For >500 To 1,000, Deduct	-102.32	
		For >1,000, Deduct	-128.28	

26 56 19 00-0050 Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® RSW™)

(26 56 19 00-0014)

Note: UL wet listed. Includes 120-277 voltage, die-cast extruded aluminum housing assembly and gray powder coat finish. Includes utility label and NEMA® photocell receptacle. Excludes sensors.

26 56 19 00-0051	EA	3,300 Lumens, 3000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-XXX-30W-30K-UL-GY-N).....	648.51	153.00
		For Field Adjustable Output, Add	33.75	
		For Backlight Control Shield, Add	71.54	
		For Bird Spikes, Add	96.28	
		For >50 To 100, Deduct	-32.43	
		For >100 To 250, Deduct	-48.64	
		For >250 To 500, Deduct	-73.41	
		For >500 To 1,000, Deduct	-98.19	
		For >1,000, Deduct	-122.96	
26 56 19 00-0052	EA	3,300 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-XXX-30W-40K-UL-GY-N).....	648.51	153.00
		For Field Adjustable Output, Add	33.75	
		For Backlight Control Shield, Add	71.54	
		For Bird Spikes, Add	96.28	
		For >50 To 100, Deduct	-32.43	
		For >100 To 250, Deduct	-48.64	
		For >250 To 500, Deduct	-73.41	
		For >500 To 1,000, Deduct	-98.19	
		For >1,000, Deduct	-122.96	
26 56 19 00-0053	EA	5,000 Lumens, 3000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-2ME-50W-30K-UL-GY-N).....	672.12	153.00
		For Field Adjustable Output, Add	33.75	
		For Backlight Control Shield, Add	71.54	
		For Bird Spikes, Add	96.28	
		For >50 To 100, Deduct	-33.61	
		For >100 To 250, Deduct	-50.41	
		For >250 To 500, Deduct	-76.36	
		For >500 To 1,000, Deduct	-102.32	
		For >1,000, Deduct	-128.28	
26 56 19 00-0054	EA	5,000 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-2ME-50W-40K-UL-GY-N).....	672.12	153.00
		For Field Adjustable Output, Add	33.75	
		For Backlight Control Shield, Add	71.54	
		For Bird Spikes, Add	96.28	
		For >50 To 100, Deduct	-33.61	
		For >100 To 250, Deduct	-50.41	
		For >250 To 500, Deduct	-76.36	
		For >500 To 1,000, Deduct	-102.32	
		For >1,000, Deduct	-128.28	

26 56 19 00-0055 LED Roadway Lighting (Cooper Lighting) (26 56 19 00-0001)
26 56 19 00-0056 Horizontal Tenon Mount, LED Roadway Fixtures (Cooper Lighting Streetworks NVN™) (26 56 19 00-0055)

Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.

26 56 19 00-0057	EA	1 LED Light Square, 51 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	1,029.00	153.00
		For >50 To 100, Deduct	-51.45	
		For >100 To 250, Deduct	-77.18	
		For >250 To 500, Deduct	-120.97	
		For >500 To 1,000, Deduct	-164.77	
		For >1,000, Deduct	-208.57	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0058	EA		2 LED Light Squares, 103 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	1,405.31	170.00
			For >50 To 100, Deduct	-70.27	
			For >100 To 250, Deduct	-105.40	
			For >250 To 500, Deduct	-167.16	
			For >500 To 1,000, Deduct	-228.93	
			For >1,000, Deduct	-290.69	
26 56 19 00-0059	EA		3 LED Light Squares, 154 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	1,503.67	195.50
			For >50 To 100, Deduct	-75.18	
			For >100 To 250, Deduct	-112.78	
			For >250 To 500, Deduct	-178.18	
			For >500 To 1,000, Deduct	-243.59	
			For >1,000, Deduct	-309.00	
26 56 19 00-0060	EA		4 LED Light Squares, 206 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	2,259.55	212.51
			For >50 To 100, Deduct	-112.98	
			For >100 To 250, Deduct	-169.47	
			For >250 To 500, Deduct	-271.82	
			For >500 To 1,000, Deduct	-374.17	
			For >1,000, Deduct	-476.52	
26 56 19 00-0061	EA		6 LED Light Squares, 309 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	2,973.96	241.93
			For >50 To 100, Deduct	-148.70	
			For >100 To 250, Deduct	-223.05	
			For >250 To 500, Deduct	-359.65	
			For >500 To 1,000, Deduct	-496.25	
			For >1,000, Deduct	-632.85	
26 56 19 00-0062			LED Roadway Lighting (PlanLED) (26 56 19 00-0001)		
26 56 19 00-0063			Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera HERA) (26 56 19 00-0062)		
			Note: UL wet listed. Includes 3,000K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0064	EA		8,500 Lumens, 85 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 85W)	1,246.64	148.75
			For >50 To 100, Deduct	-62.33	
			For >100 To 250, Deduct	-93.50	
			For >250 To 500, Deduct	-148.39	
			For >500 To 1,000, Deduct	-203.29	
			For >1,000, Deduct	-258.18	
26 56 19 00-0065	EA		11,000 Lumens, 110 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 110W)	1,359.26	150.39
			For >50 To 100, Deduct	-67.96	
			For >100 To 250, Deduct	-101.94	
			For >250 To 500, Deduct	-162.39	
			For >500 To 1,000, Deduct	-222.83	
			For >1,000, Deduct	-283.28	
26 56 19 00-0066	EA		15,000 Lumens, 150 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 150W)	1,447.59	153.00
			For >50 To 100, Deduct	-72.38	
			For >100 To 250, Deduct	-108.57	
			For >250 To 500, Deduct	-173.30	
			For >500 To 1,000, Deduct	-238.03	
			For >1,000, Deduct	-302.76	
26 56 19 00-0067			Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera SETA) (26 56 19 00-0062)		
			Note: UL wet listed. Includes 3,000K, 3,500K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0068	EA		7,200 Lumens, 60 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET060)	808.61	145.16
			For >50 To 100, Deduct	-40.43	
			For >100 To 250, Deduct	-60.65	
			For >250 To 500, Deduct	-93.82	
			For >500 To 1,000, Deduct	-126.99	
			For >1,000, Deduct	-160.16	
26 56 19 00-0069	EA		10,000 Lumens, 80 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET080)	868.52	147.78
			For >50 To 100, Deduct	-43.43	
			For >100 To 250, Deduct	-65.14	
			For >250 To 500, Deduct	-101.18	
			For >500 To 1,000, Deduct	-137.21	
			For >1,000, Deduct	-173.25	
26 56 19 00-0070	EA		12,500 Lumens, 100 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET100)	963.42	150.39
			For >50 To 100, Deduct	-48.17	
			For >100 To 250, Deduct	-72.26	
			For >250 To 500, Deduct	-112.91	
			For >500 To 1,000, Deduct	-153.56	
			For >1,000, Deduct	-194.21	
26 56 19 00-0071			Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera META) (26 56 19 00-0062)		
			Note: UL wet listed. Includes 3,000K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 56 19 00-0072	EA 13,000 Lumens, 100 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT100).....	1,026.84		150.39
	For 0 To 10 Volt Dimming, Add	94.53		
	For 480 Volt, Add	94.53		
	For >50 To 100, Deduct	-51.34		
	For >100 To 250, Deduct	-77.01		
	For >250 To 500, Deduct	-120.84		
	For >500 To 1,000, Deduct	-164.66		
	For >1,000, Deduct	-208.48		
26 56 19 00-0073	EA 16,900 Lumens, 130 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT130).....	1,143.17		151.69
	For 0 To 10 Volt Dimming, Add	94.53		
	For 480 Volt, Add	28.56		
	For >50 To 100, Deduct	-57.16		
	For >100 To 250, Deduct	-85.74		
	For >250 To 500, Deduct	-135.31		
	For >500 To 1,000, Deduct	-184.89		
	For >1,000, Deduct	-234.46		
26 56 19 00-0074	EA 19,500 Lumens, 150 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT150).....	1,233.27		153.00
	For 0 To 10 Volt Dimming, Add	94.53		
	For 480 Volt, Add	118.07		
	For >50 To 100, Deduct	-61.66		
	For >100 To 250, Deduct	-92.50		
	For >250 To 500, Deduct	-146.51		
	For >500 To 1,000, Deduct	-200.52		
	For >1,000, Deduct	-254.54		
26 56 19 00-0075	LED Roadway Lighting (General Electric) (26 56 19 00-0001)			
26 56 19 00-0076	Horizontal Tenon Mount, LED Cobra Head Street Lights (General Electric) (26 56 19 00-0075) Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black or gray powder coat finish. Excludes sensors.			
26 56 19 00-0077	EA 2,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 02XX 40 A GRAY).....	608.43		144.51
	For LightGrid™ Wireless Outdoor Controller, Add	20.00		
	For >50 To 100, Deduct	-30.42		
	For >100 To 250, Deduct	-45.63		
	For >250 To 500, Deduct	-68.83		
	For >500 To 1,000, Deduct	-92.02		
	For >1,000, Deduct	-115.22		
26 56 19 00-0078	EA 3,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 03XX 40 A GRAY).....	612.35		146.47
	For LightGrid™ Wireless Outdoor Controller, Add	20.00		
	For >50 To 100, Deduct	-30.62		
	For >100 To 250, Deduct	-45.93		
	For >250 To 500, Deduct	-69.22		
	For >500 To 1,000, Deduct	-92.51		
	For >1,000, Deduct	-115.81		
26 56 19 00-0079	EA 4,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 04XX 40 A GRAY).....	639.02		148.75
	For LightGrid™ Wireless Outdoor Controller, Add	20.00		
	For >50 To 100, Deduct	-31.95		
	For >100 To 250, Deduct	-47.93		
	For >250 To 500, Deduct	-72.44		
	For >500 To 1,000, Deduct	-96.95		
	For >1,000, Deduct	-121.47		
26 56 19 00-0080	EA 5,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 05XX 40 A GRAY).....	666.40		150.39
	For LightGrid™ Wireless Outdoor Controller, Add	20.00		
	For >50 To 100, Deduct	-33.32		
	For >100 To 250, Deduct	-49.98		
	For >250 To 500, Deduct	-75.78		
	For >500 To 1,000, Deduct	-101.58		
	For >1,000, Deduct	-127.38		
26 56 19 00-0081	EA 7,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 07XX 40 A GRAY).....	739.23		153.65
	For LightGrid™ Wireless Outdoor Controller, Add	20.00		
	For >50 To 100, Deduct	-36.96		
	For >100 To 250, Deduct	-55.44		
	For >250 To 500, Deduct	-84.72		
	For >500 To 1,000, Deduct	-114.00		
	For >1,000, Deduct	-143.28		
26 56 19 00-0082	EA 8,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 08XX 40 A GRAY).....	778.00		154.96
	For LightGrid™ Wireless Outdoor Controller, Add	20.00		
	For >50 To 100, Deduct	-38.90		
	For >100 To 250, Deduct	-58.35		
	For >250 To 500, Deduct	-89.50		
	For >500 To 1,000, Deduct	-120.65		
	For >1,000, Deduct	-151.81		
26 56 19 00-0083	EA 9,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 10XX 40 A GRAY).....	850.89		157.25
	For LightGrid™ Wireless Outdoor Controller, Add	20.00		
	For >50 To 100, Deduct	-42.54		
	For >100 To 250, Deduct	-63.82		
	For >250 To 500, Deduct	-98.50		
	For >500 To 1,000, Deduct	-133.18		
	For >1,000, Deduct	-167.86		

		Electrical	26	26
		Lighting	26 50	
		Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 56 19 00-0084	EA		13,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERLH 0 13XX 40 A GRAY).....	1,006.04	161.50
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For >50 To 100, Deduct	-50.30	
			For >100 To 250, Deduct	-75.45	
			For >250 To 500, Deduct	-117.68	
			For >500 To 1,000, Deduct	-159.91	
			For >1,000, Deduct	-202.13	
26 56 19 00-0085	EA		19,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL2 0 19XX 40 A GRAY).....	1,183.75	170.00
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For >50 To 100, Deduct	-59.19	
			For >100 To 250, Deduct	-88.78	
			For >250 To 500, Deduct	-139.47	
			For >500 To 1,000, Deduct	-190.16	
			For >1,000, Deduct	-240.84	

26 56 19 00-0086 LED Roadway Lighting (Acuity AEL Autobahn) (26 56 19 00-0001)

26 56 19 00-0087 Horizontal Tenon Mount, LED Cobra Head Street Lights (Acuity AEL Autobahn) (26 56 19 00-0086)

Note: UL wet listed. Includes 4,000K or 5,000K color temperature, 120-480 voltage, integral 10kV surge suppression, 0-10V dimming, die-cast extruded aluminum housing assembly and white, black, gray, graphite or bronze powder coat finish. Excludes sensors.

26 56 19 00-0088	EA		4,200 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB0 20ALEDE70).....	1,207.33	148.75
			For >50 To 100, Deduct	-60.37	
			For >100 To 250, Deduct	-90.55	
			For >250 To 500, Deduct	-143.48	
			For >500 To 1,000, Deduct	-196.41	
			For >1,000, Deduct	-249.34	
26 56 19 00-0089	EA		6,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB0 30BLEDE70).....	1,507.59	153.00
			For >50 To 100, Deduct	-75.38	
			For >100 To 250, Deduct	-113.07	
			For >250 To 500, Deduct	-180.80	
			For >500 To 1,000, Deduct	-248.53	
			For >1,000, Deduct	-316.26	
26 56 19 00-0090	EA		9,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 40BLEDE70).....	2,117.03	157.25
			For >50 To 100, Deduct	-105.85	
			For >100 To 250, Deduct	-158.78	
			For >250 To 500, Deduct	-256.77	
			For >500 To 1,000, Deduct	-354.75	
			For >1,000, Deduct	-452.74	
26 56 19 00-0091	EA		13,500 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 60BLEDE70).....	2,730.23	163.46
			For >50 To 100, Deduct	-136.51	
			For >100 To 250, Deduct	-204.77	
			For >250 To 500, Deduct	-333.11	
			For >500 To 1,000, Deduct	-461.44	
			For >1,000, Deduct	-589.78	
26 56 19 00-0092	EA		17,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 80BLEDE70).....	3,329.92	168.04
			For >50 To 100, Deduct	-166.50	
			For >100 To 250, Deduct	-249.74	
			For >250 To 500, Deduct	-407.84	
			For >500 To 1,000, Deduct	-565.93	
			For >1,000, Deduct	-724.03	

26 56 19 00-0093 LED Roadway Lighting (Leotek) (26 56 19 00-0001)

26 56 19 00-0094 Horizontal Tenon Mount, LED Cobra Head Street Lights (Leotek) (26 56 19 00-0093)

Note: UL wet listed. Includes 4,000K color temperature, 120-277 voltage, integral surge protector, die-cast and extruded aluminum housing assembly and gray powder coat finish. Excludes sensors.

26 56 19 00-0095	EA		Up To 3,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC1-4M2-MV-NW-X-GY-XXX-WL).....	622.35	148.75
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	10.04	
			For ANSI 7-wire Photocontrol Receptacle, Add	30.13	
			For Ripley Long-Life Twist Lock Photocontrol, Add	53.92	
			For >50 To 100, Deduct	-31.12	
			For >100 To 250, Deduct	-46.68	
			For >250 To 500, Deduct	-70.36	
			For >500 To 1,000, Deduct	-94.04	
			For >1,000, Deduct	-117.72	
26 56 19 00-0096	EA		Up To 5,150 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC1-4M2-MV-NW-X-GY-1AMP-WL).....	636.17	150.39
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	10.04	
			For ANSI 7-wire Photocontrol Receptacle, Add	30.13	
			For Ripley Long-Life Twist Lock Photocontrol, Add	53.92	
			For >50 To 100, Deduct	-31.81	
			For >100 To 250, Deduct	-47.71	
			For >250 To 500, Deduct	-72.00	
			For >500 To 1,000, Deduct	-96.29	
			For >1,000, Deduct	-120.58	

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 56 19 00-0097	EA	Up To 5,950 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC1-6M2-MV-NW-X-GY-XXX-WL)	680.31	151.37
		For LightGrid™ Wireless Outdoor Controller, Add	20.00	
		For Twist Lock Shorting Cap, Add	10.04	
		For ANSI 7-wire Photocontrol Receptacle, Add	30.13	
		For Ripley Long-Life Twist Lock Photocontrol, Add	53.92	
		For >50 To 100, Deduct	-34.02	
		For >100 To 250, Deduct	-51.02	
		For >250 To 500, Deduct	-77.47	
		For >500 To 1,000, Deduct	-103.92	
		For >1,000, Deduct	-130.36	
26 56 19 00-0098	EA	Up To 9,550 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC3-10M2-MV-NW-X-GY-XXX-WL)	793.33	157.25
		For LightGrid™ Wireless Outdoor Controller, Add	20.00	
		For Twist Lock Shorting Cap, Add	10.04	
		For ANSI 7-wire Photocontrol Receptacle, Add	30.13	
		For Ripley Long-Life Twist Lock Photocontrol, Add	53.92	
		For >50 To 100, Deduct	-39.67	
		For >100 To 250, Deduct	-59.50	
		For >250 To 500, Deduct	-91.30	
		For >500 To 1,000, Deduct	-123.11	
		For >1,000, Deduct	-154.91	
26 56 19 00-0099	EA	Up To 11,450 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC4-12M2-MV-NW-X-GY-XXX-WL)	932.61	161.50
		For LightGrid™ Wireless Outdoor Controller, Add	20.00	
		For Twist Lock Shorting Cap, Add	10.04	
		For ANSI 7-wire Photocontrol Receptacle, Add	30.13	
		For Ripley Long-Life Twist Lock Photocontrol, Add	53.92	
		For >50 To 100, Deduct	-46.63	
		For >100 To 250, Deduct	-69.95	
		For >250 To 500, Deduct	-108.50	
		For >500 To 1,000, Deduct	-147.06	
		For >1,000, Deduct	-185.61	
26 56 19 00-0100	EA	Up To 14,550 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC4-15M2-MV-NW-X-GY-XXX-WL)	937.84	164.12
		For LightGrid™ Wireless Outdoor Controller, Add	20.00	
		For Twist Lock Shorting Cap, Add	10.04	
		For ANSI 7-wire Photocontrol Receptacle, Add	30.13	
		For Ripley Long-Life Twist Lock Photocontrol, Add	53.92	
		For >50 To 100, Deduct	-46.89	
		For >100 To 250, Deduct	-70.34	
		For >250 To 500, Deduct	-109.02	
		For >500 To 1,000, Deduct	-147.71	
		For >1,000, Deduct	-186.40	
26 56 19 00-0101	EA	Up To 16,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC7-18M2-MV-NW-X-GY-XXX-WL)	1,156.11	166.73
		For LightGrid™ Wireless Outdoor Controller, Add	20.00	
		For Twist Lock Shorting Cap, Add	10.04	
		For ANSI 7-wire Photocontrol Receptacle, Add	30.13	
		For Ripley Long-Life Twist Lock Photocontrol, Add	53.92	
		For >50 To 100, Deduct	-57.81	
		For >100 To 250, Deduct	-86.71	
		For >250 To 500, Deduct	-136.18	
		For >500 To 1,000, Deduct	-185.65	
		For >1,000, Deduct	-235.11	
26 56 19 00-0102	EA	Up To 18,750 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC7-20M2-MV-NW-X-GY-XXX-WL)	1,213.28	170.00
		For LightGrid™ Wireless Outdoor Controller, Add	20.00	
		For Twist Lock Shorting Cap, Add	10.04	
		For ANSI 7-wire Photocontrol Receptacle, Add	30.13	
		For Ripley Long-Life Twist Lock Photocontrol, Add	53.92	
		For >50 To 100, Deduct	-60.66	
		For >100 To 250, Deduct	-91.00	
		For >250 To 500, Deduct	-143.16	
		For >500 To 1,000, Deduct	-195.32	
		For >1,000, Deduct	-247.49	
26 56 19 00-0103	EA	Up To 22,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC7-24M2-MV-NW-X-GY-XXX-WL)	1,357.73	172.62
		For LightGrid™ Wireless Outdoor Controller, Add	20.00	
		For Twist Lock Shorting Cap, Add	10.04	
		For ANSI 7-wire Photocontrol Receptacle, Add	30.13	
		For Ripley Long-Life Twist Lock Photocontrol, Add	53.92	
		For >50 To 100, Deduct	-67.89	
		For >100 To 250, Deduct	-101.83	
		For >250 To 500, Deduct	-161.09	
		For >500 To 1,000, Deduct	-220.34	
		For >1,000, Deduct	-279.60	
26 56 19 00-0104	EA	Up To 29,150 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC9-30M2-MV-NW-X-GY-XXX-WL)	1,457.88	175.23
		For LightGrid™ Wireless Outdoor Controller, Add	20.00	
		For Twist Lock Shorting Cap, Add	10.04	
		For ANSI 7-wire Photocontrol Receptacle, Add	30.13	
		For Ripley Long-Life Twist Lock Photocontrol, Add	53.92	
		For >50 To 100, Deduct	-72.89	
		For >100 To 250, Deduct	-109.34	
		For >250 To 500, Deduct	-173.47	
		For >500 To 1,000, Deduct	-237.61	
		For >1,000, Deduct	-301.74	

				Electrical		26
				Lighting		26 50
				Exterior Lighting		26 56
				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
MINOR	CSI	UOM	DESCRIPTION			
26 56 19 00-0105	EA		Up To 4,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-20F-MV-NW-X-GY-XXX-WL)	724.76	150.39	
			For LightGrid™ Wireless Outdoor Controller, Add	20.00		
			For Twist Lock Shorting Cap, Add	10.04		
			For ANSI 7-wire Photocontrol Receptacle, Add	30.13		
			For Ripley Long-Life Twist Lock Photocontrol, Add	53.92		
			For >50 To 100, Deduct	-36.24		
			For >100 To 250, Deduct	-54.36		
			For >250 To 500, Deduct	-83.08		
			For >500 To 1,000, Deduct	-111.79		
			For >1,000, Deduct	-140.51		
26 56 19 00-0106	EA		Up To 7,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-30F-MV-NW-X-GY-XXX-WL)	797.99	154.31	
			For LightGrid™ Wireless Outdoor Controller, Add	20.00		
			For Twist Lock Shorting Cap, Add	10.04		
			For ANSI 7-wire Photocontrol Receptacle, Add	30.13		
			For Ripley Long-Life Twist Lock Photocontrol, Add	53.92		
			For >50 To 100, Deduct	-39.90		
			For >100 To 250, Deduct	-59.85		
			For >250 To 500, Deduct	-92.03		
			For >500 To 1,000, Deduct	-124.22		
			For >1,000, Deduct	-156.40		
26 56 19 00-0107	EA		Up To 9,300 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-40F-MV-NW-X-GY-XXX-WL)	862.94	157.25	
			For LightGrid™ Wireless Outdoor Controller, Add	20.00		
			For Twist Lock Shorting Cap, Add	10.04		
			For ANSI 7-wire Photocontrol Receptacle, Add	30.13		
			For Ripley Long-Life Twist Lock Photocontrol, Add	53.92		
			For >50 To 100, Deduct	-43.15		
			For >100 To 250, Deduct	-64.72		
			For >250 To 500, Deduct	-100.00		
			For >500 To 1,000, Deduct	-135.29		
			For >1,000, Deduct	-170.57		
26 56 19 00-0108	EA		Up To 12,300 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-40F-MV-NW-X-GY-1AMP-WL)	918.64	160.85	
			For LightGrid™ Wireless Outdoor Controller, Add	20.00		
			For Twist Lock Shorting Cap, Add	10.04		
			For ANSI 7-wire Photocontrol Receptacle, Add	30.13		
			For Ripley Long-Life Twist Lock Photocontrol, Add	53.92		
			For >50 To 100, Deduct	-45.93		
			For >100 To 250, Deduct	-68.90		
			For >250 To 500, Deduct	-106.79		
			For >500 To 1,000, Deduct	-144.68		
			For >1,000, Deduct	-182.57		
26 56 19 00-0109	EA		Up To 13,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-60F-MV-NW-X-GY-XXX-WL)	976.11	162.15	
			For LightGrid™ Wireless Outdoor Controller, Add	20.00		
			For Twist Lock Shorting Cap, Add	10.04		
			For ANSI 7-wire Photocontrol Receptacle, Add	30.13		
			For Ripley Long-Life Twist Lock Photocontrol, Add	53.92		
			For >50 To 100, Deduct	-48.81		
			For >100 To 250, Deduct	-73.21		
			For >250 To 500, Deduct	-113.91		
			For >500 To 1,000, Deduct	-154.60		
			For >1,000, Deduct	-195.30		
26 56 19 00-0110	EA		Up To 17,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-80F-MV-NW-X-GY-XXX-WL)	1,167.17	168.04	
			For LightGrid™ Wireless Outdoor Controller, Add	20.00		
			For Twist Lock Shorting Cap, Add	10.04		
			For ANSI 7-wire Photocontrol Receptacle, Add	30.13		
			For Ripley Long-Life Twist Lock Photocontrol, Add	53.92		
			For >50 To 100, Deduct	-58.36		
			For >100 To 250, Deduct	-87.54		
			For >250 To 500, Deduct	-137.49		
			For >500 To 1,000, Deduct	-187.45		
			For >1,000, Deduct	-237.41		
26 56 19 00-0111	EA		Up To 19,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC2-90F-MV-NW-X-GY-XXX-WL)	1,323.48	171.31	
			For LightGrid™ Wireless Outdoor Controller, Add	20.00		
			For Twist Lock Shorting Cap, Add	10.04		
			For ANSI 7-wire Photocontrol Receptacle, Add	30.13		
			For Ripley Long-Life Twist Lock Photocontrol, Add	53.92		
			For >50 To 100, Deduct	-66.17		
			For >100 To 250, Deduct	-99.26		
			For >250 To 500, Deduct	-156.87		
			For >500 To 1,000, Deduct	-214.48		
			For >1,000, Deduct	-272.09		
26 56 19 00-0112	EA		Up To 22,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC2-100F-MV-NW-X-GY-XXX-WL)	1,409.16	171.96	
			For LightGrid™ Wireless Outdoor Controller, Add	20.00		
			For Twist Lock Shorting Cap, Add	10.04		
			For ANSI 7-wire Photocontrol Receptacle, Add	30.13		
			For Ripley Long-Life Twist Lock Photocontrol, Add	53.92		
			For >50 To 100, Deduct	-70.46		
			For >100 To 250, Deduct	-105.69		
			For >250 To 500, Deduct	-167.55		
			For >500 To 1,000, Deduct	-229.41		
			For >1,000, Deduct	-291.27		

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 56 19 00-0113	EA	Up To 26,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC2-120F-MV-NW-X-GY-XXX-WL).....	1,491.12	173.92
		For LightGrid™ Wireless Outdoor Controller, Add	20.00	
		For Twist Lock Shorting Cap, Add	10.04	
		For ANSI 7-wire Photocontrol Receptacle, Add	30.13	
		For Ripley Long-Life Twist Lock Photocontrol, Add	53.92	
		For >50 To 100, Deduct	-74.56	
		For >100 To 250, Deduct	-111.83	
		For >250 To 500, Deduct	-177.69	
		For >500 To 1,000, Deduct	-243.55	
		For >1,000, Deduct	-309.41	
26 56 19 00-0114	EA	Up To 11,720 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCM2-30H-MV-NW-X-GY-1AMP).....	777.53	164.12
		For LightGrid™ Wireless Outdoor Controller, Add	20.00	
		For Twist Lock Shorting Cap, Add	10.04	
		For ANSI 7-wire Photocontrol Receptacle, Add	30.13	
		For Ripley Long-Life Twist Lock Photocontrol, Add	53.92	
		For >50 To 100, Deduct	-38.88	
		For >100 To 250, Deduct	-58.31	
		For >250 To 500, Deduct	-88.99	
		For >500 To 1,000, Deduct	-119.66	
		For >1,000, Deduct	-150.33	
26 56 19 00-0115	EA	Up To 15,430 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCM2-40H-MV-NW-X-GY-1AMP).....	844.08	165.76
		For LightGrid™ Wireless Outdoor Controller, Add	20.00	
		For Twist Lock Shorting Cap, Add	10.04	
		For ANSI 7-wire Photocontrol Receptacle, Add	30.13	
		For Ripley Long-Life Twist Lock Photocontrol, Add	53.92	
		For >50 To 100, Deduct	-42.20	
		For >100 To 250, Deduct	-63.31	
		For >250 To 500, Deduct	-97.22	
		For >500 To 1,000, Deduct	-131.14	
		For >1,000, Deduct	-165.05	
26 56 19 00-0116	EA	Up To 4,180 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCJ0-15H-MV-NW-X-GY-XXX-WL).....	593.32	150.06
		For LightGrid™ Wireless Outdoor Controller, Add	20.00	
		For Twist Lock Shorting Cap, Add	10.04	
		For ANSI 7-wire Photocontrol Receptacle, Add	30.13	
		For Ripley Long-Life Twist Lock Photocontrol, Add	53.92	
		For >50 To 100, Deduct	-29.67	
		For >100 To 250, Deduct	-44.50	
		For >250 To 500, Deduct	-66.66	
		For >500 To 1,000, Deduct	-88.83	
		For >1,000, Deduct	-110.99	
26 56 19 00-0117	EA	Up To 5,510 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCJ1-20H-MV-NW-X-GY-XXX-WL).....	604.38	151.37
		For LightGrid™ Wireless Outdoor Controller, Add	20.00	
		For Twist Lock Shorting Cap, Add	10.04	
		For ANSI 7-wire Photocontrol Receptacle, Add	30.13	
		For Ripley Long-Life Twist Lock Photocontrol, Add	53.92	
		For >50 To 100, Deduct	-30.22	
		For >100 To 250, Deduct	-45.33	
		For >250 To 500, Deduct	-67.98	
		For >500 To 1,000, Deduct	-90.63	
		For >1,000, Deduct	-113.28	
26 56 19 00-0118	EA	Up To 7,430 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCJ2-20H-MV-NW-X-GY-1AMP-WL).....	658.77	154.31
		For LightGrid™ Wireless Outdoor Controller, Add	20.00	
		For Twist Lock Shorting Cap, Add	10.04	
		For ANSI 7-wire Photocontrol Receptacle, Add	30.13	
		For Ripley Long-Life Twist Lock Photocontrol, Add	53.92	
		For >50 To 100, Deduct	-32.94	
		For >100 To 250, Deduct	-49.41	
		For >250 To 500, Deduct	-74.63	
		For >500 To 1,000, Deduct	-99.85	
		For >1,000, Deduct	-125.08	
26 56 19 00-0119	EA	Up To 16,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCL1-60G-MV-NW-X-GY-XXX-WL).....	1,027.44	166.73
		For LightGrid™ Wireless Outdoor Controller, Add	20.00	
		For Twist Lock Shorting Cap, Add	10.04	
		For ANSI 7-wire Photocontrol Receptacle, Add	30.13	
		For Ripley Long-Life Twist Lock Photocontrol, Add	53.92	
		For >50 To 100, Deduct	-51.37	
		For >100 To 250, Deduct	-77.06	
		For >250 To 500, Deduct	-120.09	
		For >500 To 1,000, Deduct	-163.13	
		For >1,000, Deduct	-206.16	
26 56 19 00-0120	EA	Up To 22,100 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCL1-80G-MV-NW-X-GY-XXX-WL).....	1,350.10	171.96
		For LightGrid™ Wireless Outdoor Controller, Add	20.00	
		For Twist Lock Shorting Cap, Add	10.04	
		For ANSI 7-wire Photocontrol Receptacle, Add	30.13	
		For Ripley Long-Life Twist Lock Photocontrol, Add	53.92	
		For >50 To 100, Deduct	-67.51	
		For >100 To 250, Deduct	-101.26	
		For >250 To 500, Deduct	-160.16	
		For >500 To 1,000, Deduct	-219.07	
		For >1,000, Deduct	-277.98	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0121	EA		Up To 22,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCL2-60G-MV-NW-X-GY-1AMP-WL).....	1,199.52	172.62
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	10.04	
			For ANSI 7-wire Photocontrol Receptacle, Add	30.13	
			For Ripley Long-Life Twist Lock Photocontrol, Add	53.92	
			For >50 To 100, Deduct	-59.98	
			For >100 To 250, Deduct	-89.96	
			For >250 To 500, Deduct	-141.31	
			For >500 To 1,000, Deduct	-192.65	
			For >1,000, Deduct	-244.00	
26 56 19 00-0122	EA		Up To 5,484 Lumens, Horizontal Tenon Mount, LED Security Light (Leotek® SafeGuard™ SG1-01-MV-NW-5-GY).....	568.67	150.39
			For Twist Lock Shorting Cap, Add	10.04	
			For ANSI 7-wire Photocontrol Receptacle, Add	30.13	
			For Ripley Long-Life Twist Lock Photocontrol, Add	53.92	
			For >50 To 100, Deduct	-28.43	
			For >100 To 250, Deduct	-42.65	
			For >250 To 500, Deduct	-63.56	
			For >500 To 1,000, Deduct	-84.48	
			For >1,000, Deduct	-105.39	
26 56 19 00-0123			LED, Area Fixtures (26 56 19)		
26 56 19 00-0124			Pole Mount, LED Area Fixtures (26 56 19 00-0123)		
26 56 19 00-0125			Pole Mount, Rectangular, LED Architectural Area Fixtures (Lithonia DSX) (26 56 19 00-0124)		
			Note: UL wet listed. Includes 4,000K color temperature, 480 voltage, 700mA remote driver, die-cast extruded aluminum housing assembly and white, black, aluminum or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0126	EA		20 LEDs, 49 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSXO LED)	2,481.61	111.16
			For >50 To 100, Deduct	-124.08	
			For >100 To 250, Deduct	-186.12	
			For >250 To 500, Deduct	-304.64	
			For >500 To 1,000, Deduct	-423.17	
			For >1,000, Deduct	-541.69	
26 56 19 00-0127	EA		40 LEDs, 89 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSXO LED)	2,675.44	117.70
			For >50 To 100, Deduct	-133.77	
			For >100 To 250, Deduct	-200.66	
			For >250 To 500, Deduct	-328.55	
			For >500 To 1,000, Deduct	-456.43	
			For >1,000, Deduct	-584.32	
26 56 19 00-0128	EA		80 LEDs, 188 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSX2 LED)	2,882.33	130.78
			For >50 To 100, Deduct	-144.12	
			For >100 To 250, Deduct	-216.17	
			For >250 To 500, Deduct	-353.75	
			For >500 To 1,000, Deduct	-491.33	
			For >1,000, Deduct	-628.91	
26 56 19 00-0129	EA		100 LEDs, 218 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSX2 LED)	2,895.41	137.31
			For >50 To 100, Deduct	-144.77	
			For >100 To 250, Deduct	-217.16	
			For >250 To 500, Deduct	-355.06	
			For >500 To 1,000, Deduct	-492.97	
			For >1,000, Deduct	-630.87	
26 56 19 00-0130			Arm Mount, Rectangular, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EDG) (26 56 19 00-0124)		
			Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type III Medium optic. Excludes sensors. All fixtures without the backlight control shield are DLC qualified		
26 56 19 00-0131	EA		40 LEDs, 47 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	1,402.67	117.70
			For Backlight Shielding, Add	26.70	
			For Type II Medium Optic, Add	43.83	
			For 480 Volt, Add	111.02	
			For Multi-Level Drive Currents, Add	267.03	
			For >50 To 100, Deduct	-70.13	
			For >100 To 250, Deduct	-105.20	
			For >250 To 500, Deduct	-169.45	
			For >500 To 1,000, Deduct	-233.70	
			For >1,000, Deduct	-297.95	
26 56 19 00-0132	EA		60 LEDs, 68 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	1,696.13	124.24
			For Backlight Shielding, Add	26.70	
			For Type II Medium Optic, Add	44.48	
			For 480 Volt, Add	111.02	
			For Multi-Level Drive Currents, Add	267.03	
			For >50 To 100, Deduct	-84.81	
			For >100 To 250, Deduct	-127.21	
			For >250 To 500, Deduct	-205.80	
			For >500 To 1,000, Deduct	-284.40	
			For >1,000, Deduct	-362.99	

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 56 19 00-0133	EA	80 LEDs, 90 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	2,102.11	130.78
		For Backlight Shielding, Add	26.70	
		For Type II Medium Optic, Add	45.14	
		For 480 Volt, Add	111.02	
		For Multi-Level Drive Currents, Add	267.03	
		For >50 To 100, Deduct	-105.11	
		For >100 To 250, Deduct	-157.66	
		For >250 To 500, Deduct	-256.23	
		For >500 To 1,000, Deduct	-354.79	
		For >1,000, Deduct	-453.36	
26 56 19 00-0134	EA	100 LEDs, 111 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	2,395.57	137.31
		For Backlight Shielding, Add	26.70	
		For Type II Medium Optic, Add	45.79	
		For 480 Volt, Add	111.02	
		For Multi-Level Drive Currents, Add	267.03	
		For >50 To 100, Deduct	-119.78	
		For >100 To 250, Deduct	-179.67	
		For >250 To 500, Deduct	-292.58	
		For >500 To 1,000, Deduct	-405.49	
		For >1,000, Deduct	-518.41	
26 56 19 00-0135	EA	120 LEDs, 132 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	2,689.02	143.85
		For Backlight Shielding, Add	26.70	
		For Type II Medium Optic, Add	46.45	
		For 480 Volt, Add	111.02	
		For Multi-Level Drive Currents, Add	267.03	
		For >50 To 100, Deduct	-134.45	
		For >100 To 250, Deduct	-201.68	
		For >250 To 500, Deduct	-328.94	
		For >500 To 1,000, Deduct	-456.19	
		For >1,000, Deduct	-583.45	
26 56 19 00-0136	EA	140 LEDs, 157 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	3,072.12	150.39
		For Backlight Shielding, Add	26.70	
		For Type II Medium Optic, Add	47.10	
		For 480 Volt, Add	111.02	
		For Multi-Level Drive Currents, Add	267.03	
		For >50 To 100, Deduct	-153.61	
		For >100 To 250, Deduct	-230.41	
		For >250 To 500, Deduct	-376.50	
		For >500 To 1,000, Deduct	-522.58	
		For >1,000, Deduct	-668.67	
26 56 19 00-0137	EA	160 LEDs, 179 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	3,365.57	156.92
		For Backlight Shielding, Add	26.70	
		For Type II Medium Optic, Add	47.75	
		For 480 Volt, Add	111.02	
		For Multi-Level Drive Currents, Add	267.03	
		For >50 To 100, Deduct	-168.28	
		For >100 To 250, Deduct	-252.42	
		For >250 To 500, Deduct	-412.85	
		For >500 To 1,000, Deduct	-573.28	
		For >1,000, Deduct	-733.71	

26 56 19 00-0138 Direct Or Arm Mount, Rectangular, High Output, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EHO)

(26 56 19 00-0124)

Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 700mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 19 00-0139	EA	120 LEDs, 267 System Watts, Direct Or Arm Mount, Rectangular, High Output, LED Area Fixture (CREE® BetaLED® Edge® ARE-EHO)	2,482.00	143.85
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	22.49	
		For Bird Spikes, Add	49.83	
		For 5,000K Color Temperature, Add	56.24	
		For Fuse, Add	67.48	
		For 0 To 10 Volt Dimming, Add	67.48	
		For 480 Volt, Add	101.23	
		For Multi-Level, Add	146.21	
		For 1,000mA Driver, Add	188.98	
		For >50 To 100, Deduct	-124.10	
		For >100 To 250, Deduct	-186.15	
		For >250 To 500, Deduct	-303.06	
		For >500 To 1,000, Deduct	-419.97	
		For >1,000, Deduct	-536.87	
26 56 19 00-0140	EA	240 LEDs, 533 System Watts, Direct Or Arm Mount, Rectangular, High Output, LED Area Fixture (CREE® BetaLED® Edge® ARE-EHO)	4,200.80	176.54
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	22.49	
		For 5,000K Color Temperature, Add	56.24	
		For Fuse, Add	67.48	
		For 0 To 10 Volt Dimming, Add	67.48	
		For Bird Spikes, Add	74.35	
		For Multi-Level, Add	146.21	
		For 1,000mA Driver, Add	188.96	
		For 480 Volt, Add	202.45	
		For >50 To 100, Deduct	-210.04	
		For >100 To 250, Deduct	-315.06	
		For >250 To 500, Deduct	-516.27	
		For >500 To 1,000, Deduct	-717.49	
		For >1,000, Deduct	-918.70	

26 56 19 00-0141 Wall Mount, LED Area Fixtures

(26 56 19 00-0123)

		Electrical	26	26
		Lighting	26 50	
		Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 56 19 00-0142			Wall Mount, LED Architectural Area Fixtures (Lithonia DSXW) (26 56 19 00-0141) Note: UL wet listed. Includes 277 voltage, 700mA remote driver, die-cast extruded aluminum housing assembly and white, black, aluminum or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0143	EA		20 LEDs, 47 Watt, 4000K CCT, Wall Mount, LED Architectural Area Fixture (Lithonia DSXW2 LED)	1,091.69	111.16
			For >50 To 100, Deduct	-54.58	
			For >100 To 250, Deduct	-81.88	
			For >250 To 500, Deduct	-130.90	
			For >500 To 1,000, Deduct	-179.93	
			For >1,000, Deduct	-228.96	
26 56 19 00-0144	EA		30 LEDs, 71 Watt, 4000K CCT, Wall Mount, LED Architectural Area Fixture (Lithonia DSXW2 LED)	1,117.85	124.24
			For >50 To 100, Deduct	-55.89	
			For >100 To 250, Deduct	-83.84	
			For >250 To 500, Deduct	-133.52	
			For >500 To 1,000, Deduct	-183.20	
			For >1,000, Deduct	-232.88	
26 56 19 00-0145			Surface Mount, LED Parking Structure Fixtures (26 56 19 00-0123)		
26 56 19 00-0146			Surface Mount, Rectangular, LED Parking Structure Fixtures (CREE® BetaLED® Edge® PKG-EDG) (26 56 19 00-0145) Note: Direct or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0147	EA		40 LEDs, 47 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG)	1,234.83	117.70
			For Multi-Level Drive Currents, Add	267.03	
			For >50 To 100, Deduct	-61.74	
			For >100 To 250, Deduct	-92.61	
			For >250 To 500, Deduct	-148.47	
			For >500 To 1,000, Deduct	-204.33	
			For >1,000, Deduct	-260.18	
26 56 19 00-0148	EA		60 LEDs, 68 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG)	1,528.29	124.24
			For Multi-Level Drive Currents, Add	267.03	
			For >50 To 100, Deduct	-76.41	
			For >100 To 250, Deduct	-114.62	
			For >250 To 500, Deduct	-184.82	
			For >500 To 1,000, Deduct	-255.03	
			For >1,000, Deduct	-325.23	
26 56 19 00-0149	EA		80 LEDs, 90 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG)	1,821.73	130.78
			For Multi-Level Drive Currents, Add	267.03	
			For >50 To 100, Deduct	-91.09	
			For >100 To 250, Deduct	-136.63	
			For >250 To 500, Deduct	-221.18	
			For >500 To 1,000, Deduct	-305.73	
			For >1,000, Deduct	-390.27	
26 56 19 00-0150	EA		100 LEDs, 111 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG)	2,115.19	137.31
			For Multi-Level Drive Currents, Add	267.03	
			For >50 To 100, Deduct	-105.76	
			For >100 To 250, Deduct	-158.64	
			For >250 To 500, Deduct	-257.53	
			For >500 To 1,000, Deduct	-356.43	
			For >1,000, Deduct	-455.32	
26 56 19 00-0151			Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® Edge® PKG-304) (26 56 19 00-0145) Note: Direct or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0152	EA		40 LEDs, 47 Watt, Surface Mount, Square, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-304)	1,189.05	117.70
			For Multi-Level Drive Currents, Add	267.03	
			For >50 To 100, Deduct	-59.45	
			For >100 To 250, Deduct	-89.18	
			For >250 To 500, Deduct	-142.75	
			For >500 To 1,000, Deduct	-196.31	
			For >1,000, Deduct	-249.88	
26 56 19 00-0153	EA		60 LEDs, 68 Watt, Surface Mount, Square, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-304)	1,314.66	124.24
			For Multi-Level Drive Currents, Add	267.03	
			For >50 To 100, Deduct	-65.73	
			For >100 To 250, Deduct	-98.60	
			For >250 To 500, Deduct	-158.12	
			For >500 To 1,000, Deduct	-217.64	
			For >1,000, Deduct	-277.16	
26 56 19 00-0154			Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® VG) (26 56 19 00-0145) Note: UL wet listed. Includes 4,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 56 19 00-0155	EA	3,700 Lumens, 50 Watt, Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® VGADM5MA40KUL).....	1,016.13	117.70
		For >50 To 100, Deduct	-50.81	
		For >100 To 250, Deduct	-76.21	
		For >250 To 500, Deduct	-121.13	
		For >500 To 1,000, Deduct	-166.05	
		For >1,000, Deduct	-210.98	

26 56 19 00-0156 Surface Mount, Rectangular, LED Parking Structure Fixtures (Philips
Gardco ELG) (26 56 19 00-0145)

Note: Direct or pendant mount. UL wet listed. Includes 4,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and aluminum finish. Excludes sensors.

26 56 19 00-0157	EA	70 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (Philips Gardco ELG).....	2,039.09	124.24
		For >50 To 100, Deduct	-101.95	
		For >100 To 250, Deduct	-152.93	
		For >250 To 500, Deduct	-248.67	
		For >500 To 1,000, Deduct	-344.42	
		For >1,000, Deduct	-440.16	
26 56 19 00-0158	EA	110 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (Philips Gardco ELG).....	2,065.24	137.31
		For >50 To 100, Deduct	-103.26	
		For >100 To 250, Deduct	-154.89	
		For >250 To 500, Deduct	-251.29	
		For >500 To 1,000, Deduct	-347.69	
		For >1,000, Deduct	-444.08	

26 56 19 00-0159 Surface Mount, LED Canopy Fixtures (26 56 19 00-0123)
26 56 19 00-0160 Surface Mount, Rectangular, LED Canopy Fixtures (CREE® BetaLED®
Edge® CAN-EDG) (26 56 19 00-0159)

Note: Direct or pendant mount. UL wet listed. Includes 6,000K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 19 00-0161	EA	40 LEDs, 47 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,437.00	117.70
		For Multi-Level Drive Currents, Add	267.03	
		For >50 To 100, Deduct	-71.85	
		For >100 To 250, Deduct	-107.78	
		For >250 To 500, Deduct	-173.74	
		For >500 To 1,000, Deduct	-239.71	
		For >1,000, Deduct	-305.67	
26 56 19 00-0162	EA	60 LEDs, 68 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,730.46	124.24
		For Multi-Level Drive Currents, Add	267.03	
		For >50 To 100, Deduct	-86.52	
		For >100 To 250, Deduct	-129.78	
		For >250 To 500, Deduct	-210.10	
		For >500 To 1,000, Deduct	-290.41	
		For >1,000, Deduct	-370.72	
26 56 19 00-0163	EA	80 LEDs, 90 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	2,023.91	130.78
		For Multi-Level Drive Currents, Add	267.03	
		For >50 To 100, Deduct	-101.20	
		For >100 To 250, Deduct	-151.79	
		For >250 To 500, Deduct	-246.45	
		For >500 To 1,000, Deduct	-341.11	
		For >1,000, Deduct	-435.76	
26 56 19 00-0164	EA	100 LEDs, 111 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	2,317.37	137.31
		For Multi-Level Drive Currents, Add	267.03	
		For >50 To 100, Deduct	-115.87	
		For >100 To 250, Deduct	-173.80	
		For >250 To 500, Deduct	-282.81	
		For >500 To 1,000, Deduct	-391.81	
		For >1,000, Deduct	-500.81	
26 56 19 00-0165	EA	120 LEDs, 132 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	2,610.82	143.85
		For Multi-Level Drive Currents, Add	267.03	
		For >50 To 100, Deduct	-130.54	
		For >100 To 250, Deduct	-195.81	
		For >250 To 500, Deduct	-319.16	
		For >500 To 1,000, Deduct	-442.51	
		For >1,000, Deduct	-565.86	
26 56 19 00-0166	EA	140 LEDs, 157 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	3,016.81	150.39
		For Multi-Level Drive Currents, Add	267.03	
		For >50 To 100, Deduct	-150.84	
		For >100 To 250, Deduct	-226.26	
		For >250 To 500, Deduct	-369.58	
		For >500 To 1,000, Deduct	-512.90	
		For >1,000, Deduct	-656.22	
26 56 19 00-0167	EA	160 LEDs, 179 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	3,310.26	156.92
		For Multi-Level Drive Currents, Add	267.03	
		For >50 To 100, Deduct	-165.51	
		For >100 To 250, Deduct	-248.27	
		For >250 To 500, Deduct	-405.94	
		For >500 To 1,000, Deduct	-563.60	
		For >1,000, Deduct	-721.27	
26 56 19 00-0168	EA	200 LEDs, 221 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	3,897.17	170.00
		For Multi-Level Drive Currents, Add	267.03	
		For >50 To 100, Deduct	-194.86	
		For >100 To 250, Deduct	-292.29	
		For >250 To 500, Deduct	-478.65	
		For >500 To 1,000, Deduct	-665.00	
		For >1,000, Deduct	-851.36	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0169	EA	240 LEDs, 264 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)..... <i>For Multi-Level Drive Currents, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	4,470.99 267.03 -223.55 -335.32 -550.05 -764.77 -979.49	176.54
26 56 19 00-0170		Surface Mount, Square, LED Canopy/Soffit Fixtures (CREE® BetaLED® CPY250) (26 56 19 00-0159) Note: UL wet listed. Includes 5,700K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0171	EA	8,000 Lumens, 82 Watt, Surface Mount, Square, LED Canopy/Soffit Fixture (CREE® BetaLED® CPY250) <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	980.60 -49.03 -73.55 -116.04 -158.53 -201.02	130.78
26 56 19 00-0172		Recessed Mount, LED Soffit Fixtures (26 56 19 00-0123)		
26 56 19 00-0173		Recessed Mount, Square, LED Soffit Fixtures (CREE® BetaLED® SFT-304) (26 56 19 00-0172) Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0174	EA	40 LEDs, 47 Watt, Recessed Mount, Square, LED Soffit Fixture (CREE® BetaLED® SFT-304) <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	1,211.94 -60.60 -90.90 -145.61 -200.32 -255.03	117.70
26 56 19 00-0175	EA	60 LEDs, 68 Watt, Recessed Mount, Square, LED Soffit Fixture (CREE® BetaLED® SFT-304) <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	1,337.55 -66.88 -100.32 -160.98 -221.65 -282.31	124.24
26 56 19 00-0176		Surface Mount, LED Area Fixtures (26 56 19 00-0123)		
26 56 19 00-0177		Surface Mount, Square, LED Multi-Purpose Area Fixtures (LSI Industries® Crossover® XPG) (26 56 19 00-0176) Note: UL wet listed. Includes 5,300K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black or silver powder coat finish. Excludes sensors.		
26 56 19 00-0178	EA	50 LEDs, 59 Watt, Surface Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG) <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	650.62 -32.53 -48.80 -75.44 -102.09 -128.74	117.70
26 56 19 00-0179	EA	50 LEDs, 59 Watt, Pendant Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG) <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	1,481.13 -74.06 -111.08 -179.26 -247.43 -315.60	117.70
26 56 19 00-0180	EA	68 LEDs, 79 Watt, Surface Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG) <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	1,225.48 -61.27 -91.91 -146.65 -201.38 -256.12	130.78
26 56 19 00-0181	EA	68 LEDs, 79 Watt, Pendant Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG) <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	1,522.93 -76.15 -114.22 -183.83 -253.44 -323.04	130.78
26 56 19 00-0182		Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour®) (26 56 19 00-0178) Note: Wall, inverted, post, bollard, floodlight trunnion, or floodlight knuckle mount. UL wet listed. Includes 5,000K color temperature, 120/277 voltage, die-cast extruded aluminum housing assembly and white or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0183	EA	13 Watt, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR1A) <i>For Knuckle Mount Or Trunnion Mount Base, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	210.48 45.00 -10.52 -15.79 -24.55 -33.31 -42.08	42.26

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 56 19 00-0184	EA 20 Watt, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR2A).....	240.18		42.26
	For Knuckle Mount Or Trunnion Mount Base, Add	45.00		
	For >50 To 100, Deduct	-12.01		
	For >100 To 250, Deduct	-18.01		
	For >250 To 500, Deduct	-28.26		
	For >500 To 1,000, Deduct	-38.51		
	For >1,000, Deduct	-48.76		
26 56 19 00-0185	EA 30 Watt, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR3A).....	296.78		42.26
	For Knuckle Mount Or Trunnion Mount Base, Add	45.00		
	For >50 To 100, Deduct	-14.84		
	For >100 To 250, Deduct	-22.26		
	For >250 To 500, Deduct	-35.34		
	For >500 To 1,000, Deduct	-48.42		
	For >1,000, Deduct	-61.49		
26 56 19 00-0186	Surface Mount, LED Multi-Purpose Area Fixture (Designplan LED VIM) (26 56 19 00-0176)			
	Note: Includes 4,000K color temperature, 120/277 voltage, die-cast extruded aluminum housing assembly and black, white or silver powder coat finish. Excludes sensors.			
26 56 19 00-0187	EA 20 Watt, Surface Mount, LED Multi-Purpose Area Fixture With Integral Battery Backup (Designplan LED VIM).....	2,947.81		42.26
	For >50 To 100, Deduct	-147.39		
	For >100 To 250, Deduct	-221.09		
	For >250 To 500, Deduct	-366.72		
	For >500 To 1,000, Deduct	-512.35		
	For >1,000, Deduct	-657.98		
26 56 19 00-0188	Surface Mount, LED Facade Fixtures (26 56 19 00-0123)			
26 56 19 00-0189	Surface Mount, LED Facade Fixtures (lumenpulse™ lumenfacade™) (26 56 19 00-0188)			
26 56 19 00-0190	EA 12" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™).....	777.09		49.33
	For >50 To 100, Deduct	-38.85		
	For >100 To 250, Deduct	-58.28		
	For >250 To 500, Deduct	-95.26		
	For >500 To 1,000, Deduct	-132.24		
	For >1,000, Deduct	-169.22		
26 56 19 00-0191	EA 24" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™).....	1,272.68		45.04
	For >50 To 100, Deduct	-63.63		
	For >100 To 250, Deduct	-95.45		
	For >250 To 500, Deduct	-157.48		
	For >500 To 1,000, Deduct	-219.50		
	For >1,000, Deduct	-281.53		
26 56 19 00-0192	EA 36" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™).....	1,628.51		37.53
	For >50 To 100, Deduct	-81.43		
	For >100 To 250, Deduct	-122.14		
	For >250 To 500, Deduct	-202.22		
	For >500 To 1,000, Deduct	-282.31		
	For >1,000, Deduct	-362.39		
26 56 19 00-0193	EA 48" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™).....	1,984.32		30.03
	For >50 To 100, Deduct	-99.22		
	For >100 To 250, Deduct	-148.82		
	For >250 To 500, Deduct	-246.97		
	For >500 To 1,000, Deduct	-345.11		
	For >1,000, Deduct	-443.26		
26 56 19 00-0194	Post Top, LED Area Fixtures (26 56 19 00-0123)			
26 56 19 00-0195	Post Top, LED Area Fixtures (Cooper Lighting Invue® MSA) (26 56 19 00-0194)			
	Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 350mA remote driver, die-cast extruded aluminum housing assembly and white, black, grey, dark platinum, graphite metallic or bronze powder coat finish. Excludes sensors.			
26 56 19 00-0196	EA 1,800 Lumens, 27 Watt, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO1).....	2,161.26		179.81
	For >50 To 100, Deduct	-108.06		
	For >100 To 250, Deduct	-162.09		
	For >250 To 500, Deduct	-261.17		
	For >500 To 1,000, Deduct	-360.24		
	For >1,000, Deduct	-459.31		
26 56 19 00-0197	EA 3,400 Lumens, 54 Watt, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO2).....	2,391.14		179.81
	For >50 To 100, Deduct	-119.56		
	For >100 To 250, Deduct	-179.34		
	For >250 To 500, Deduct	-289.90		
	For >500 To 1,000, Deduct	-400.47		
	For >1,000, Deduct	-511.04		
26 56 19 00-0198	EA 77 Watt, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO3).....	2,572.85		179.81
	For >50 To 100, Deduct	-128.64		
	For >100 To 250, Deduct	-192.96		
	For >250 To 500, Deduct	-312.62		
	For >500 To 1,000, Deduct	-432.27		
	For >1,000, Deduct	-551.92		
26 56 19 00-0199	Post Top, LED Area Fixtures (General Electric EPAS) (26 56 19 00-0194)			
	Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black, green or bronze powder coat finish. Includes photocontrol sensor.			

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0200	EA	3,200 Lumens, 45 Watt, Post Top Mount, Acorn Style LED Area Fixture (General Electric EPAS 0 E5/E3).....	2,555.45	179.81
		For >50 To 100, Deduct	-127.77	
		For >100 To 250, Deduct	-191.66	
		For >250 To 500, Deduct	-310.44	
		For >500 To 1,000, Deduct	-429.22	
		For >1,000, Deduct	-548.00	
26 56 19 00-0201	EA	6,515 Lumens, 80 Watt, Post Top Mount, Acorn Style LED Area Fixture (General Electric EPAS 0 C5/C3)	2,614.51	179.81
		For >50 To 100, Deduct	-130.73	
		For >100 To 250, Deduct	-196.09	
		For >250 To 500, Deduct	-317.82	
		For >500 To 1,000, Deduct	-439.56	
		For >1,000, Deduct	-561.29	
26 56 19 00-0202		Post Top, LED Area Fixtures (General Electric EPTC) (26 56 19 00-0194)		
		Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black, gray or dark bronze powder coat finish. Includes photocontrol sensor.		
26 56 19 00-0203	EA	3,200 Lumens, 45 Watt, Post Top Mount, Contemporary Twin Support Style LED Area Fixture (General Electric EPTC 0 E5/E3).....	1,755.81	179.81
		For >50 To 100, Deduct	-87.79	
		For >100 To 250, Deduct	-131.69	
		For >250 To 500, Deduct	-210.49	
		For >500 To 1,000, Deduct	-289.29	
		For >1,000, Deduct	-368.09	
26 56 19 00-0204	EA	6,150 Lumens, 80 Watt, Post Top Mount, Contemporary Twin Support Style LED Area Fixture (General Electric EPTC 0 C5/C3).....	1,844.20	179.81
		For >50 To 100, Deduct	-92.21	
		For >100 To 250, Deduct	-138.32	
		For >250 To 500, Deduct	-221.53	
		For >500 To 1,000, Deduct	-304.75	
		For >1,000, Deduct	-387.97	
26 56 19 00-0205		Post Top, LED Area Fixtures (General Electric EPST) (26 56 19 00-0194)		
		Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black or dark bronze powder coat finish. Includes photocontrol sensor.		
26 56 19 00-0206	EA	3,135 Lumens, 45 Watt, Post Top Mount, Utility Carriage Style LED Area Fixture (General Electric EPST 0 E5/E3).....	1,354.03	179.81
		For >50 To 100, Deduct	-67.70	
		For >100 To 250, Deduct	-101.55	
		For >250 To 500, Deduct	-160.26	
		For >500 To 1,000, Deduct	-218.97	
		For >1,000, Deduct	-277.69	
26 56 19 00-0207	EA	6,115 Lumens, 80 Watt, Post Top Mount, Utility Carriage Style LED Area Fixture (General Electric EPST 0 C5/C3).....	1,442.42	179.81
		For >50 To 100, Deduct	-72.12	
		For >100 To 250, Deduct	-108.18	
		For >250 To 500, Deduct	-171.31	
		For >500 To 1,000, Deduct	-234.44	
		For >1,000, Deduct	-297.57	
26 56 19 00-0208		Post Top, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EDR) (26 56 19 00-0194)		
		Note: UL wet listed. Includes 4,000K color temperature, 120/277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type V Medium optic. Excludes sensors.		
26 56 19 00-0209	EA	13,800 Lumens, 130 Watt, Post Top Mount, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDR).....	3,266.38	179.81
		For >50 To 100, Deduct	-163.32	
		For >100 To 250, Deduct	-244.98	
		For >250 To 500, Deduct	-399.31	
		For >500 To 1,000, Deduct	-553.64	
		For >1,000, Deduct	-707.96	
26 56 19 00-0210		LED Retrofit For Post Top, Traditional Area Fixtures (CREE® BetaLED® BXRA) (26 56 19 00-0194)		
		Note: Includes 2,700K or 4,000K color temperature and 120/277 voltage retrofit assembly. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.		
26 56 19 00-0211	EA	LED Retrofit For Post Top, Holophane® Utility Granville Acorn Area Fixtures (CREE® BetaLED® BXRAAH53)	892.96	98.08
		For 0 To 10 Volt Dimming, Add	67.48	
		For >50 To 100, Deduct	-44.65	
		For >100 To 250, Deduct	-66.97	
		For >250 To 500, Deduct	-106.72	
		For >500 To 1,000, Deduct	-146.46	
		For >1,000, Deduct	-186.20	
26 56 19 00-0212		LED Retrofit For Post Top, Decorative Area Fixtures (CREE® DPT) (26 56 19 00-0194)		
		Note: Includes 3,000K color temperature and 120/277 voltage retrofit assembly. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.		
26 56 19 00-0213	EA	LED Retrofit For Post Top, Decorative Area Fixtures (CREE® DPT).....	565.54	20.93
		For Backlight Control Shield, Add	44.33	
		For >50 To 100, Deduct	-28.28	
		For >100 To 250, Deduct	-42.42	
		For >250 To 500, Deduct	-68.60	
		For >500 To 1,000, Deduct	-94.79	
		For >1,000, Deduct	-120.97	
26 56 19 00-0214		Surface Mount, LED Strip Fixtures (Sylvania) (26 56 19 00-0123)		

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 56 19 00-0215	EA	4' Long, 5,200 Lumens, 40 Watt, Vapor Tight Dimmable LED Fixture (Sylvania VAPOR1B/040UNVD840/48EC/GR/D).....	536.20	39.24
		For >50 To 100, Deduct	-26.81	
		For >100 To 250, Deduct	-40.22	
		For >250 To 500, Deduct	-65.55	
		For >500 To 1,000, Deduct	-90.89	
		For >1,000, Deduct	-116.22	

 26 56 19 00-0216 LED, Wall Packs ^(26 56 19)

 26 56 19 00-0217 Full Cutoff, LED Wall Packs ^(26 56 19 00-0216)

 26 56 19 00-0218 Full Cutoff, LED Wall Packs (Lithonia) ^(26 56 19 00-0217)

26 56 19 00-0219	EA	30 LEDs, 57 Watt, 530 mA Drive Current, Full Cutoff, LED Wall Pack (Lithonia CSXW LED).....	975.77	114.43
		For >50 To 100, Deduct	-48.79	
		For >100 To 250, Deduct	-73.18	
		For >250 To 500, Deduct	-116.25	
		For >500 To 1,000, Deduct	-159.32	
		For >1,000, Deduct	-202.38	
26 56 19 00-0220	EA	30 LEDs, 35 Watt, 350 mA Drive Current, Full Cutoff, LED Wall Pack (Lithonia CSXW LED).....	1,056.85	114.43
		For >50 To 100, Deduct	-52.84	
		For >100 To 250, Deduct	-79.26	
		For >250 To 500, Deduct	-126.39	
		For >500 To 1,000, Deduct	-173.51	
		For >1,000, Deduct	-220.63	

 26 56 19 00-0221 Full Cutoff, LED Wall Packs (CREE® BetaLED®) ^(26 56 19 00-0217)

 26 56 19 00-0222 Wall Mount, Full Cutoff, LED Wall Packs (CREE® BetaLED® Edge® SEC-EDG) ^(26 56 19 00-0221)

Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 19 00-0223	EA	20 LEDs, 26 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG)	1,037.20	111.16
		Note: Includes 350mA or 525mA driver.		
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	22.49	
		For Bird Spikes, Add	53.63	
		For Fuse, Add	67.48	
		For 0 To 10 Volt Dimming, Add	67.48	
		For 480 Volt, Add	101.23	
		For Multi-Level, Add	146.21	
		For >50 To 100, Deduct	-51.86	
		For >100 To 250, Deduct	-77.79	
		For >250 To 500, Deduct	-124.09	
		For >500 To 1,000, Deduct	-170.39	
		For >1,000, Deduct	-216.70	
26 56 19 00-0224	EA	40 LEDs, 47 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG)	1,345.53	117.70
		Note: Includes 350mA or 525mA driver.		
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	22.49	
		For Bird Spikes, Add	54.28	
		For Fuse, Add	67.48	
		For 0 To 10 Volt Dimming, Add	67.48	
		For 480 Volt, Add	101.23	
		For Multi-Level, Add	146.21	
		For >50 To 100, Deduct	-67.28	
		For >100 To 250, Deduct	-100.91	
		For >250 To 500, Deduct	-162.31	
		For >500 To 1,000, Deduct	-223.70	
		For >1,000, Deduct	-285.09	
26 56 19 00-0225	EA	60 LEDs, 68 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG)	1,511.12	124.24
		Note: Includes 350mA or 525mA driver.		
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	22.49	
		For Bird Spikes, Add	54.93	
		For Fuse, Add	67.48	
		For 0 To 10 Volt Dimming, Add	67.48	
		For 480 Volt, Add	101.23	
		For Multi-Level, Add	146.21	
		For >50 To 100, Deduct	-75.56	
		For >100 To 250, Deduct	-113.33	
		For >250 To 500, Deduct	-182.68	
		For >500 To 1,000, Deduct	-252.02	
		For >1,000, Deduct	-321.37	
26 56 19 00-0226	EA	80 LEDs, 90 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG)	1,962.19	130.78
		Note: Includes 350mA or 525mA driver.		
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	22.49	
		For Bird Spikes, Add	55.59	
		For Fuse, Add	67.48	
		For 0 To 10 Volt Dimming, Add	67.48	
		For 480 Volt, Add	101.23	
		For Multi-Level, Add	146.21	
		For >50 To 100, Deduct	-98.11	
		For >100 To 250, Deduct	-147.16	
		For >250 To 500, Deduct	-238.74	
		For >500 To 1,000, Deduct	-330.31	
		For >1,000, Deduct	-421.88	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0227	EA	100	LEDs, 111 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG) For 3 Or 7-Pin NEMA Photocell Receptacle, Add For Bird Spikes, Add For Fuse, Add For 0 To 10 Volt Dimming, Add For 480 Volt, Add For Multi-Level, Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct	2,270.52 22.49 56.24 67.48 67.48 101.23 146.21 -113.53 -170.29 -276.95 -383.61 -490.27	137.31
26 56 19 00-0228	EA	120	LEDs, 132 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG) For 3 Or 7-Pin NEMA Photocell Receptacle, Add For Bird Spikes, Add For Fuse, Add For 0 To 10 Volt Dimming, Add For 480 Volt, Add For Multi-Level, Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct	2,578.86 22.49 56.90 67.48 67.48 101.23 146.21 -128.94 -193.41 -315.17 -436.92 -558.67	143.85
26 56 19 00-0229			Wall Mount, Full Cutoff, LED Wall Packs (CREE® BetaLED® XSPW™) ^(26 56 19 00-0221) Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-277 voltage, Class 2 driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0230	EA	25	Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® XSPW™) For 3 Or 7-Pin NEMA Photocell Receptacle, Add For 0 To 10 Volt Dimming, Add For Multi-Level, Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct	598.76 22.49 67.48 67.48 -29.94 -44.91 -69.29 -93.67 -118.05	111.16
26 56 19 00-0231	EA	42	Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® XSPW™) For 3 Or 7-Pin NEMA Photocell Receptacle, Add For 0 To 10 Volt Dimming, Add For Multi-Level, Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct	699.67 22.49 67.48 67.48 -34.98 -52.48 -81.57 -110.67 -139.77	117.70
26 56 19 00-0232			Full Cutoff, LED Wall Packs (McGraw-Edison) ^(26 56 19 00-0217)		
26 56 19 00-0233	EA	One	7 LED Light Bar, 27 System Watts, 1 A Drive Current, Full Cutoff, LED Wall Pack (McGraw-Edison IST).....	1,315.92	111.16
26 56 19 00-0234	EA	Two	7 LED Light Bars, 54 System Watts, 1 A Drive Current, Full Cutoff, LED Wall Pack (McGraw-Edison IST).....	1,639.51	117.70
26 56 19 00-0235	EA	One	21 LED Light Bar, 27 System Watts, 350 mA Drive Current, Full Cutoff, LED Wall Pack (McGraw-Edison IST).....	1,331.91	111.16
26 56 19 00-0236	EA	Two	21 LED Light Bars, 51 System Watts, 350 mA Drive Current, Full Cutoff, LED Wall Pack (McGraw-Edison IST).....	1,785.63	117.70
26 56 19 00-0237			Open Face LED Wall Pack ^(26 56 19 00-0216) Note: Heavy-duty cast aluminum housing is polyester powder coated to be rust and corrosion proof, High-quality shatter-resistant glass		
26 56 19 00-0238	EA	3,640	Lumens, 28 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP28U-50B-MS)..... For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct	711.32 -35.57 -53.35 -80.11 -106.88 -133.64	117.37
26 56 19 00-0239	EA	5,540	Lumens, 40 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP40U-50B-MS)..... For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct	729.94 -36.50 -54.75 -82.44 -110.13 -137.83	117.37
26 56 19 00-0240	EA	7,065	Lumens, 50 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP50U-50B-MS)..... For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct	769.99 -38.50 -57.75 -87.45 -117.14 -146.84	117.37
26 56 19 00-0241	EA	11,375	Lumens, 80 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP80U-50B-MS)..... For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct	804.45 -40.22 -60.33 -91.75 -123.17 -154.59	117.37
26 56 19 00-0242	EA	16,945	Lumens, 120 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP120U-50B-MS)..... For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct	865.64 -43.28 -64.92 -99.40 -133.88 -168.36	117.37

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 56 19 00-0243 Wall Pack Accessories (26 56 19 00-0216)				
26 56 19 00-0244	EA	Photocell For Wall Pack.....	139.14	29.35
26 56 19 00-0245	EA	Wire Guard For Mini And Small Wall Pack.....	155.96	29.35
26 56 19 00-0246	EA	Wire Guard For Medium And Large Wall Pack.....	226.30	29.35
26 56 19 00-0247	EA	Clear Polycarbonate Vandal Guard For Wall Packs.....	327.80	29.35
26 56 19 00-0248	EA	Full Cutoff Visor For Wall Pack.....	151.37	29.35
26 56 19 00-0249 LED Wall Packs (Lithonia Lightinig) (26 56 19 00-0216)				
26 56 19 00-0250	EA	28 Watt, 4000K CCT, Adjustable Lumen Output, LED Wall Packs (Lithonia Lighting TWR1 LED ALO 40K MVOLT DDBTXD M2).....	448.56	102.70
		For >50 To 100, Deduct	-22.43	
		For >100 To 250, Deduct	-33.64	
		For >250 To 500, Deduct	-50.94	
		For >500 To 1,000, Deduct	-68.23	
		For >1,000, Deduct	-85.52	
26 56 19 00-0251	EA	28 Watt, 5000K CCT, Adjustable Lumen Output, LED Wall Packs (Lithonia Lighting TWR1 LED ALO 50K MVOLT DDBTXD M2).....	448.56	102.70
		For >50 To 100, Deduct	-22.43	
		For >100 To 250, Deduct	-33.64	
		For >250 To 500, Deduct	-50.94	
		For >500 To 1,000, Deduct	-68.23	
		For >1,000, Deduct	-85.52	
26 56 19 00-0252	EA	3,442 Lumens, 28 Watt, 4000K CCT, LED Wall Packs (Lithonia Lighting TWR1 LED P2 40K MVOLT DDBTXD M2).....	448.56	102.70
		For >50 To 100, Deduct	-22.43	
		For >100 To 250, Deduct	-33.64	
		For >250 To 500, Deduct	-50.94	
		For >500 To 1,000, Deduct	-68.23	
		For >1,000, Deduct	-85.52	
26 56 19 00-0253	EA	3,519 Lumens, 28 Watt, 5000K CCT, LED Wall Packs (Lithonia Lighting TWR1 LED P2 50K MVOLT DDBTXD M2).....	448.56	102.70
		For >50 To 100, Deduct	-22.43	
		For >100 To 250, Deduct	-33.64	
		For >250 To 500, Deduct	-50.94	
		For >500 To 1,000, Deduct	-68.23	
		For >1,000, Deduct	-85.52	
26 56 19 00-0254	EA	4,466 Lumens, 40 Watt, 4000K CCT, LED Wall Packs (Lithonia Lighting TWR1 LED P3 40K MVOLT DDBTXD M2).....	487.78	102.70
		For >50 To 100, Deduct	-24.39	
		For >100 To 250, Deduct	-36.58	
		For >250 To 500, Deduct	-55.84	
		For >500 To 1,000, Deduct	-75.09	
		For >1,000, Deduct	-94.35	
26 56 19 00-0255	EA	4,554 Lumens, 40 Watt, 5000K CCT, LED Wall Packs (Lithonia Lighting TWR1 LED P3 50K MVOLT DDBTXD M2).....	487.78	102.70
		For >50 To 100, Deduct	-24.39	
		For >100 To 250, Deduct	-36.58	
		For >250 To 500, Deduct	-55.84	
		For >500 To 1,000, Deduct	-75.09	
		For >1,000, Deduct	-94.35	
26 56 19 00-0256	EA	5,551 Lumens, 49 Watt, 4000K CCT, LED Wall Packs (Lithonia Lighting TWR1 LED P4 40K MVOLT DDBTXD M2).....	527.00	102.70
		For >50 To 100, Deduct	-26.35	
		For >100 To 250, Deduct	-39.53	
		For >250 To 500, Deduct	-60.74	
		For >500 To 1,000, Deduct	-81.96	
		For >1,000, Deduct	-103.17	
26 56 19 00-0257	EA	5,695 Lumens, 49 Watt, 5000K CCT, LED Wall Packs (Lithonia Lighting TWR1 LED P4 50K MVOLT DDBTXD M2).....	527.00	102.70
		For >50 To 100, Deduct	-26.35	
		For >100 To 250, Deduct	-39.53	
		For >250 To 500, Deduct	-60.74	
		For >500 To 1,000, Deduct	-81.96	
		For >1,000, Deduct	-103.17	
26 56 19 00-0258	EA	8,150 Lumens, 64 Watt, 4000K CCT, LED Wall Packs (Lithonia Lighting TWR2 LED P1 40K MVOLT DDBTXD M2).....	566.22	102.70
		For >50 To 100, Deduct	-28.31	
		For >100 To 250, Deduct	-42.47	
		For >250 To 500, Deduct	-65.64	
		For >500 To 1,000, Deduct	-88.82	
		For >1,000, Deduct	-111.99	
26 56 19 00-0259	EA	8,150 Lumens, 64 Watt, 4000K CCT, LED Wall Packs (Lithonia Lighting TWR2 LED P1 50K MVOLT DDBTXD M2).....	566.22	102.70
		For >50 To 100, Deduct	-28.31	
		For >100 To 250, Deduct	-42.47	
		For >250 To 500, Deduct	-65.64	
		For >500 To 1,000, Deduct	-88.82	
		For >1,000, Deduct	-111.99	
26 56 19 00-0260	EA	9,700 Lumens, 73 Watt, 4000K CCT, LED Wall Packs (Lithonia Lighting TWR2 LED P2 40K MVOLT DDBTXD M2).....	654.46	102.70
		For >50 To 100, Deduct	-32.72	
		For >100 To 250, Deduct	-49.08	
		For >250 To 500, Deduct	-76.67	
		For >500 To 1,000, Deduct	-104.26	
		For >1,000, Deduct	-131.85	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 56 19 00-0261	EA		9,700 Lumens, 73 Watt, 5000K CCT, LED Wall Packs (Lithonia Lighting TWR2 LED P2 50K MVOLT DDBTXD M2).....	654.46	102.70
			For >50 To 100, Deduct	-32.72	
			For >100 To 250, Deduct	-49.08	
			For >250 To 500, Deduct	-76.67	
			For >500 To 1,000, Deduct	-104.26	
			For >1,000, Deduct	-131.85	
26 56 19 00-0262 Wall Pack LED Fixtures (Jarvis WMFT) (26 56 19 00-0216)					
26 56 19 00-0263	EA		3,200 Lumens, 25 Watt, 1 LED, Wall Mounted Security Fixture (Jarvis Corp WMFT-100).....	307.47	85.78
			For >50 To 100, Deduct	-15.37	
			For >100 To 250, Deduct	-23.06	
			For >250 To 500, Deduct	-34.14	
			For >500 To 1,000, Deduct	-45.23	
			For >1,000, Deduct	-56.31	
26 56 19 00-0264	EA		6,451 Lumens, 52 Watt, 2 LEDs, Wall Mounted Security Fixture (Jarvis Corp WMFT-250).....	337.69	85.78
			For >50 To 100, Deduct	-16.88	
			For >100 To 250, Deduct	-25.33	
			For >250 To 500, Deduct	-37.92	
			For >500 To 1,000, Deduct	-50.52	
			For >1,000, Deduct	-63.11	
26 56 19 00-0265	EA		9,503 Lumens, 77 Watt, 3 LEDs, Wall Mounted Security Fixture (Jarvis Corp WMFT-350).....	383.01	85.78
			For >50 To 100, Deduct	-19.15	
			For >100 To 250, Deduct	-28.73	
			For >250 To 500, Deduct	-43.59	
			For >500 To 1,000, Deduct	-58.45	
			For >1,000, Deduct	-73.31	
26 56 19 00-0266	EA		5,235 Lumens, 54 Watt, 2 LEDs, Wall Mounted Security Fixture (Jarvis Corp WMFT-250-HV).....	360.35	85.78
			For >50 To 100, Deduct	-18.02	
			For >100 To 250, Deduct	-27.03	
			For >250 To 500, Deduct	-40.75	
			For >500 To 1,000, Deduct	-54.48	
			For >1,000, Deduct	-68.21	
26 56 19 00-0267 LED, Wall Sconce (26 56 19)					
26 56 19 00-0268	EA		25", 2000 Lumens, 20 Watt, 4000K CCT, Aluminum, LED Luminous Wall Sconce.....	1,626.30	47.03
			For >50 To 100, Deduct	-81.32	
			For >100 To 250, Deduct	-121.97	
			For >250 To 500, Deduct	-201.52	
			For >500 To 1,000, Deduct	-281.08	
			For >1,000, Deduct	-360.63	
26 56 19 00-0269	EA		37", 3000 Lumens, 29 Watt, 4000K CCT, Aluminum, LED Luminous Wall Sconce.....	1,924.99	47.03
			For >50 To 100, Deduct	-96.25	
			For >100 To 250, Deduct	-144.37	
			For >250 To 500, Deduct	-238.86	
			For >500 To 1,000, Deduct	-333.35	
			For >1,000, Deduct	-427.83	
26 56 19 00-0270	EA		9 Watt, LED Mini Wall Sconce (Lithonia WSTM LED)	1,271.17	114.43
			For >50 To 100, Deduct	-63.56	
			For >100 To 250, Deduct	-95.34	
			For >250 To 500, Deduct	-153.18	
			For >500 To 1,000, Deduct	-211.01	
			For >1,000, Deduct	-268.85	
26 56 19 00-0271	EA		17 Watt, LED Mini Wall Sconce (Lithonia WSTM LED)	1,407.10	114.43
			For >50 To 100, Deduct	-70.36	
			For >100 To 250, Deduct	-105.53	
			For >250 To 500, Deduct	-170.17	
			For >500 To 1,000, Deduct	-234.80	
			For >1,000, Deduct	-299.43	
26 56 19 00-0272	EA		LED Exterior Sconce (EATON TRE15LD420W350 PLBKUNVED)	782.00	85.78
			For >50 To 100, Deduct	-39.10	
			For >100 To 250, Deduct	-58.65	
			For >250 To 500, Deduct	-93.46	
			For >500 To 1,000, Deduct	-128.27	
			For >1,000, Deduct	-163.08	
26 56 19 00-0273	EA		Half Face Surface Mount, 10-1/2" Round, Outdoor LED Sconce (Hubbell WF21 S 9L4KUV WH).....	471.22	47.03
			For >50 To 100, Deduct	-23.56	
			For >100 To 250, Deduct	-35.34	
			For >250 To 500, Deduct	-57.14	
			For >500 To 1,000, Deduct	-78.94	
			For >1,000, Deduct	-100.73	

26 56 21 HID Exterior Lighting (26 56)

26 56 21 00-0001			High Mast Fixtures (26 56 21)		
26 56 21 00-0002			Metal Halide, High Mast Fixtures (26 56 21 00-0001)		
26 56 21 00-0003	EA		400 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux	1,970.62	161.77
26 56 21 00-0004	EA		400 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	2,107.09	161.77
26 56 21 00-0005	EA		750 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux	2,086.86	184.80
26 56 21 00-0006	EA		750 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	2,168.74	184.80
26 56 21 00-0007	EA		1,000 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux	2,189.41	231.00
26 56 21 00-0008	EA		1,000 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	2,271.30	231.00

26 56 21 00-0009 High Pressure Sodium, High Mast Fixtures (26 56 21 00-0001)

26	26	Electrical
	26 50	Lighting
	26 56	Exterior Lighting



MINOR			TOTAL DIRECT		DEMOLITION	
CSI UOM DESCRIPTION			UNIT COST		UNIT COST	
26 56 21 00-0010	EA	400 W High Mast HPS Fixture (VA 25 Type V) As Manufactured By Metrolux.....	2,036.10		161.77	
26 56 21 00-0011	EA	400 W High Mast HPS Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux.....	2,117.98		161.77	
26 56 21 00-0012	EA	600 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux	2,467.35		171.01	
26 56 21 00-0013	EA	750 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux	2,526.76		184.80	
26 56 21 00-0014	EA	1,000 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux	2,670.25		231.00	
26 56 21 00-0015		Metal Halide, Area Fixtures (26 56 21)				
26 56 21 00-0016		Metal Halide, Pole Mount, Area Fixtures (26 56 21 00-0015)				
		Note: Includes pulse start ballast.				
26 56 21 00-0017	EA	150 Watt, Metal Halide Area Fixture, Pole Mount.....	1,158.74		162.99	
26 56 21 00-0018	EA	175 Watt, Metal Halide Area Fixture, Pole Mount.....	1,271.47		179.29	
26 56 21 00-0019	EA	250 Watt, Metal Halide Area Fixture, Pole Mount.....	1,406.86		195.59	
26 56 21 00-0020	EA	400 Watt, Metal Halide Area Fixture, Pole Mount.....	1,482.23		228.19	
26 56 21 00-0021		HID, Pole Mounted (26 56 21)				
26 56 21 00-0022		Metal Halide, Pole Mounted (26 56 21 00-0021)				
26 56 21 00-0023	EA	175 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	692.34		263.78	
26 56 21 00-0024	EA	250 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	779.91		286.32	
26 56 21 00-0025	EA	400 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	911.61		308.01	
26 56 21 00-0026	EA	1,000 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	1,152.19		360.98	
26 56 21 00-0027		High Pressure Sodium, Pole Mounted (26 56 21 00-0021)				
26 56 21 00-0028	EA	100 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	823.89		308.01	
26 56 21 00-0029	EA	150 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	849.35		308.01	
26 56 21 00-0030	EA	175 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	888.86		308.01	
26 56 21 00-0031	EA	250 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	995.29		308.01	
26 56 21 00-0032	EA	400 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	1,148.41		308.01	
26 56 21 00-0033	EA	1,000 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	1,107.05		308.01	
26 56 21 00-0034		Low Pressure Sodium, Pole Mounted (26 56 21 00-0021)				
26 56 21 00-0035	EA	135 Watt Low Pressure Sodium Exterior Roadway Fixture, Enclosed And Gasketed	709.72		167.55	
26 56 21 00-0036	EA	135 Watt Low Pressure Sodium Fixture, Enclosed And Gasketed	760.42		246.40	
26 56 21 00-0037	EA	180 Watt Low Pressure Sodium Fixture, Enclosed And Gasketed	901.90		246.40	
26 56 21 00-0038		High Pressure Sodium, Area Fixtures (26 56 21)				
26 56 21 00-0039		Pole Mount, High Pressure Sodium Area Fixtures (26 56 21 00-0038)				
26 56 21 00-0040	EA	100 Watt, High Pressure Sodium Area Fixture, Pole Mount	963.98		130.40	
26 56 21 00-0041	EA	150 Watt, High Pressure Sodium Area Fixture, Pole Mount	1,043.52		162.99	
26 56 21 00-0042	EA	250 Watt, High Pressure Sodium Area Fixture, Pole Mount	1,126.89		195.59	
26 56 21 00-0043	EA	400 Watt, High Pressure Sodium Area Fixture, Pole Mount	1,182.21		228.19	
26 56 21 00-0044		Surface Mounted, Rectangular Exterior Area Fixture (26 56 21)				
26 56 21 00-0045		Metal Halide, Surface Mounted, Rectangular Exterior Area Fixture (26 56 21 00-0044)				
26 56 21 00-0046	EA	175 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	649.88		246.40	
26 56 21 00-0047	EA	250 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	740.91		277.21	
26 56 21 00-0048	EA	400 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	889.95		308.01	
26 56 21 00-0049	EA	1,000 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	1,132.05		360.98	
26 56 21 00-0050		High Pressure Sodium, Surface Mounted, Rectangular Exterior Area Fixture (26 56 21 00-0044)				
26 56 21 00-0051	EA	70 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro).....	626.01		210.67	
26 56 21 00-0052	EA	100 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro).....	680.54		224.23	
26 56 21 00-0053	EA	150 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro).....	733.49		236.55	
26 56 21 00-0054	EA	175 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	757.86		246.40	
26 56 21 00-0055	EA	250 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	841.74		277.21	
26 56 21 00-0056	EA	400 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	907.78		308.01	
26 56 21 00-0057	EA	1,000 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	1,250.68		360.98	
26 56 21 00-0058		Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures (26 56 21)				
26 56 21 00-0059		High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures (26 56 21 00-0058)				
		Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.				
26 56 21 00-0060	EA	35 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	812.15		166.33	
26 56 21 00-0061	EA	50 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	840.38		184.80	
26 56 21 00-0062	EA	70 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	895.88		210.67	
26 56 21 00-0063	EA	100 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	919.57		224.23	
26 56 21 00-0064	EA	150 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	943.89		236.55	
26 56 21 00-0065	EA	175 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	989.23		246.40	
26 56 21 00-0066	EA	250 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	1,084.68		277.21	

		Electrical	26	26
		Lighting	26 50	
		Exterior Lighting	26 56	
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	

26 56 21 00-0067	EA	400 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,323.20	308.01
26 56 21 00-0068		Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures (26 56 21 00-0058)		
Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.				
26 56 21 00-0069	EA	50 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	893.94	184.80
26 56 21 00-0070	EA	70 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	941.26	210.67
26 56 21 00-0071	EA	100 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	972.63	224.23
26 56 21 00-0072	EA	150 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,013.22	236.55
26 56 21 00-0073	EA	175 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,034.64	246.40
26 56 21 00-0074	EA	250 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,132.40	277.21
26 56 21 00-0075	EA	400 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,450.16	308.01
26 56 21 00-0076		Wall Packs (26 56 21)		
26 56 21 00-0077		Non-Cutoff, Polycarbonate Lens, Mini Wall Packs (26 56 21 00-0076)		
Note: Polycarbonate body and aluminum reflector. 11" x 6-1/2" x 5-1/4". Lithonia TWS.				
26 56 21 00-0078	EA	13 Watt Compact Fluorescent, Non-Cutoff, Polycarbonate Lens, Mini Wall Pack	365.17	58.68
26 56 21 00-0079	EA	50 Watt Metal Halide, Non-Cutoff, Polycarbonate Lens, Mini Wall Pack	392.95	58.68
26 56 21 00-0080	EA	35 Watt High Pressure Sodium, Non-Cutoff, Polycarbonate Lens, Mini Wall Pack	392.95	58.68
26 56 21 00-0081	EA	70 Watt High Pressure Sodium, Non-Cutoff, Polycarbonate Lens, Mini Wall Pack	527.65	58.68
26 56 21 00-0082		Semi-Cutoff, Polycarbonate Lens, Mini Wall Packs (26 56 21 00-0076)		
Note: Polycarbonate body and diffused aluminum reflector. 10" x 11-1/2" x 8-15/16". Lithonia TWA.				
26 56 21 00-0083	EA	42 Watt Compact Fluorescent, Semi-Cutoff, Polycarbonate Lens, Mini Wall Pack	745.07	58.68
26 56 21 00-0084	EA	50 Watt Metal Halide, Semi-Cutoff, Polycarbonate Lens, Mini Wall Pack	755.07	58.68
26 56 21 00-0085	EA	70 Watt Metal Halide, Semi-Cutoff, Polycarbonate Lens, Mini Wall Pack	763.71	58.68
26 56 21 00-0086	EA	100 Watt Metal Halide, Semi-Cutoff, Polycarbonate Lens, Mini Wall Pack	747.95	58.68
26 56 21 00-0087	EA	70 Watt High Pressure Sodium, Semi-Cutoff, Polycarbonate Lens, Mini Wall Pack	683.12	58.68
26 56 21 00-0088	EA	100 Watt High Pressure Sodium, Semi-Cutoff, Polycarbonate Lens, Mini Wall Pack	647.52	58.68
26 56 21 00-0089		Cutoff, Polycarbonate Lens, Mini Wall Packs (26 56 21 00-0076)		
Note: Polycarbonate body and diffused aluminum reflector. 10" x 11-1/2" x 8-15/16". Lithonia TWAC.				
26 56 21 00-0090	EA	50 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack	786.08	58.68
26 56 21 00-0091	EA	70 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack	795.19	58.68
26 56 21 00-0092	EA	100 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack	779.45	58.68
26 56 21 00-0093	EA	70 Watt High Pressure Sodium, Cutoff, Polycarbonate Lens, Mini Wall Pack	792.13	58.68
26 56 21 00-0094	EA	100 Watt High Pressure Sodium, Cutoff, Polycarbonate Lens, Mini Wall Pack	792.13	58.68
26 56 21 00-0095		Non-Cutoff, Borosilicate Glass Lens, Small Wall Packs (26 56 21 00-0076)		
Note: Aluminum body and reflector. 9" x 13" x 7-3/8". Lithonia TWR1.				
26 56 21 00-0096	EA	70 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack	740.04	78.17
26 56 21 00-0097	EA	100 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack	740.04	78.17
26 56 21 00-0098	EA	175 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack	691.25	78.17
26 56 21 00-0099	EA	70 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack	709.95	78.17
26 56 21 00-0100	EA	100 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack	709.95	78.17
26 56 21 00-0101	EA	150 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack	655.86	78.17
26 56 21 00-0102		Cutoff, Borosilicate Glass Lens, Small Wall Packs (26 56 21 00-0076)		
Note: Aluminum body and reflector. 10-1/4" x 13" x 8-15/32". Lithonia TWR1C.				
26 56 21 00-0103	EA	70 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack	768.94	78.17
26 56 21 00-0104	EA	100 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack	768.94	78.17
26 56 21 00-0105	EA	175 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack	768.94	78.17
26 56 21 00-0106	EA	70 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack	740.25	78.17
26 56 21 00-0107	EA	100 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack	740.25	78.17
26 56 21 00-0108	EA	150 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack	740.25	78.17
26 56 21 00-0109		Full Cutoff, Tempered Glass Lens, Small Wall Packs (26 56 21 00-0076)		
Note: Aluminum body and reflector. 9-3/8" x 14-3/8" x 8-3/4". Meets Nighttime Friendly criteria. Lithonia TWR1S.				
26 56 21 00-0110	EA	175 Watt Metal Halide, Full Cutoff, Tempered Glass Lens, Small Wall Pack	1,002.45	78.17
26 56 21 00-0111		Full Cutoff, Tempered Glass Lens, Half Cylinder Sconce/Wall Packs (Philips Gardco) (26 56 21 00-0076)		
26 56 21 00-0112	EA	100 Watt Ceramic Metal Halide, Full Cutoff, Tempered Glass Lens, Half Cylinder Sconce/Wall Pack (Philips Gardco 104FT)	1,652.81	78.17
26 56 21 00-0113	EA	42 Watt Compact Fluorescent, Full Cutoff, Tempered Glass Lens, Emergency Half Cylinder Sconce/Wall Pack (Philips Gardco 104EMMT)	1,560.92	78.17
26 56 21 00-0114		Cutoff, Borosilicate Glass Lens, Medium Wall Packs (26 56 21 00-0076)		
Note: Aluminum body and reflector. Lithonia TWR2.				
26 56 21 00-0115	EA	250 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Medium Wall Pack	932.95	96.83
Note: 9-1/4" x 17-7/8" x 9-3/8".				
26 56 21 00-0116	EA	400 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Medium Wall Pack	999.09	96.83
Note: 9-1/4" x 17-7/8" x 12-1/2".				
26 56 21 00-0117	EA	250 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Medium Wall Pack	1,077.94	96.83
Note: 9-1/4" x 17-7/8" x 9-3/8".				

26	26	Electrical
	26 50	Lighting
	26 56	Exterior Lighting

		MINOR			TOTAL DIRECT	DEMOLITION
		CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
	26 56 21 00-0118	EA		400 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Medium Wall Pack Note: 9-1/4" x 17-7/8" x 12-1/2".	1,099.64	96.83
	26 56 21 00-0119			Cutoff, Tempered Glass Lens, Medium Wall Packs (26 56 21 00-0076) Note: Aluminum body and reflector. 10" x 17-1/8" x 14-1/2". Lithonia TWR2C.		
	26 56 21 00-0120	EA		250 Watt Metal Halide, Cutoff, Tempered Glass Lens, Medium Wall Pack	1,018.02	96.83
	26 56 21 00-0121	EA		400 Watt Metal Halide, Cutoff, Tempered Glass Lens, Medium Wall Pack	1,092.33	96.83
	26 56 21 00-0122			Non-Cutoff, Polycarbonate Lens, Large Wall Packs (26 56 21 00-0076) Note: Polycarbonate body and powder coated reflector. 15-7/16" x 16-1/8" x 7-3/4". Lithonia TWP.		
	26 56 21 00-0123	EA		100 Watt Metal Halide, Non-Cutoff, Polycarbonate Lens, Large Wall Pack	929.26	117.37
	26 56 21 00-0124	EA		175 Watt Metal Halide, Non-Cutoff, Polycarbonate Lens, Large Wall Pack	850.55	117.37
	26 56 21 00-0125	EA		70 Watt High Pressure Sodium, Non-Cutoff, Polycarbonate Lens, Large Wall Pack	911.04	117.37
	26 56 21 00-0126	EA		100 Watt High Pressure Sodium, Non-Cutoff, Polycarbonate Lens, Large Wall Pack	917.07	117.37
	26 56 21 00-0127	EA		150 Watt High Pressure Sodium, Non-Cutoff, Polycarbonate Lens, Large Wall Pack	923.38	117.37
	26 56 21 00-0128			Non-Cutoff, Borosilicate Glass Lens, Large Wall Packs (26 56 21 00-0076) Note: Aluminum body and reflector. 15-3/4" x 16-1/4" x 8". Lithonia TWH.		
	26 56 21 00-0129	EA		175 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack	929.28	117.37
	26 56 21 00-0130	EA		250 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack	955.54	117.37
	26 56 21 00-0131	EA		400 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack	1,034.25	117.37
	26 56 21 00-0132	EA		150 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack	981.78	117.37
	26 56 21 00-0133	EA		250 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack	1,008.05	117.37
	26 56 21 00-0134	EA		400 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack	1,060.47	117.37
	26 56 21 00-0135			Semi-Cutoff, Induction Wall Packs (26 56 21 00-0076)		
	26 56 21 00-0136			Semi-Cutoff, Induction Wall Packs (Everlast®) (26 56 21 00-0135) Note: UL wet listed. Includes bi-level ballast, die-cast aluminum housing assembly and bronze powder coat finish. Excludes sensors.		
	26 56 21 00-0137	EA		70 Watt, Wall Mount, Semi-Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-70)	1,227.78	111.16
	26 56 21 00-0138	EA		80 Watt, Wall Mount, Semi-Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-80)	1,252.06	117.70
	26 56 21 00-0139	EA		100 Watt, Wall Mount, Semi-Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-100)	1,276.34	124.24
	26 56 21 00-0140	EA		120 Watt, Wall Mount, Semi-Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-120)	1,423.85	130.78
	26 56 21 00-0141			Non-Cutoff, Polycarbonate Lens, Small Wall Packs (26 56 21 00-0076)		
	26 56 21 00-0142	EA		15 Watt, Exterior, Non-Cutoff Small Wall Pack (Sylvania 60066-SMWLPK1N/015UNV740/NC/BZ/P)	377.41	58.68
	26 56 21 00-0143			Induction, Roadway Lighting (26 56 21)		
	26 56 21 00-0144			Induction Roadway Lighting (US Lighting Tech) (26 56 21 00-0143) Note: Includes gray powder coat finish heavy-duty die cast aluminum body and flat glass lens.		
	26 56 21 00-0145	EA		40 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	650.75	196.16
	26 56 21 00-0146	EA		70 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	714.50	202.70
	26 56 21 00-0147	EA		100 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	740.66	215.78
	26 56 21 00-0148	EA		150 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	766.81	228.85
	26 56 21 00-0149	EA		200 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	896.43	235.39
	26 56 21 00-0150	EA		250 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	913.57	241.93
	26 56 21 00-0151	EA		40 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	608.19	196.16
	26 56 21 00-0152	EA		70 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	678.01	202.70
	26 56 21 00-0153	EA		100 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	704.17	215.78
	26 56 21 00-0154	EA		150 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	730.32	228.85
	26 56 21 00-0155			Induction, Area Fixtures (26 56 21)		
	26 56 21 00-0156			Post Top, Induction Area Fixtures (26 56 21 00-0155)		
	26 56 21 00-0157			Post Top, Induction Area Fixtures (US Lighting Tech) (26 56 21 00-0156) Note: Includes black powder coat finish heavy-duty die cast aluminum body and no-lite lid acrylic lens.		
	26 56 21 00-0158	EA		40 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	725.48	179.81
	26 56 21 00-0159	EA		70 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	784.26	179.81
	26 56 21 00-0160	EA		100 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	784.26	179.81
	26 56 21 00-0161	EA		150 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	784.26	179.81
	26 56 21 00-0162			Surface Mount, Induction Parking Structure Fixtures (26 56 21 00-0155)		
	26 56 21 00-0163			Surface Mount, Induction Parking Structure Fixtures (Everlast®) (26 56 21 00-0162)		
	26 56 21 00-0164	EA		40 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	659.47	163.46
	26 56 21 00-0165	EA		55 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	700.47	166.73
	26 56 21 00-0166	EA		70 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	711.06	170.00
	26 56 21 00-0167	EA		80 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	721.66	173.27
	26 56 21 00-0168	EA		100 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	732.24	176.54
	26 56 21 00-0169	EA		120 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	746.89	179.81
	26 56 21 00-0170	EA		70/28 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	769.84	170.00
	26 56 21 00-0171	EA		80/32 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	780.44	173.27
	26 56 21 00-0172	EA		100/40 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	791.02	176.54

		Electrical	26	26
		Lighting	26 50	
		Exterior Lighting	26 56	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 21 00-0173	EA	120/48 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	822.90	179.81
26 56 21 00-0174		Pole Mount, Induction Area Fixtures (26 56 21 00-0155)		
26 56 21 00-0175		Pole Mount, Bi-Level Induction Area Fixtures (Everlast® ESB-ED) (26 56 21 00-0174) Note: UL wet listed. Includes bi-level ballast, die-cast aluminum housing assembly and bronze powder coat finish. Excludes sensors.		
26 56 21 00-0176	EA	70 Watt, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-70).....	1,283.79	111.16
26 56 21 00-0177	EA	80 Watt, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-80).....	1,319.28	117.70
26 56 21 00-0178	EA	100 Watt, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-100).....	1,354.76	124.24

END OF SECTION 26

26	26	Electrical
	26 50	Lighting
	26 56	Exterior Lighting



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST

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		Communications	27	27
		Operation and Maintenance of Communications Systems	27 01	
		Operation and Maintenance of Structured Cabling and Enclosures	27 01 10	
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
		UNIT COST	UNIT COST	

27 Communications

Note: Termination costs are included with all communication equipment, panel boards, and devices. Terminations are not included with patch panels.

27 01 Operation and Maintenance of Communications Systems ⁽²⁷⁾

27 01 10 Operation and Maintenance of Structured Cabling and Enclosures ^(27 01)

27 01 10 00-0001 HR Testing Of Existing Data Communication Cabling 116.60

27 05 Common Work Results for Communications ⁽²⁷⁾

27 05 26 Grounding and Bonding for Communications Systems ^(27 05)

See CSI section 26 05 26 00-0000 for grounding.

27 05 26 00-0001	EA	25 Pair Outdoor, Enclosed Building Entrance Terminal (ADC 6649 1 720-00).....	1,061.13	120.16
		Note: Excludes terminations.		
27 05 26 00-0002	EA	50 Pair Outdoor, Enclosed Building Entrance Terminal (ADC 6649 1 820-00).....	1,353.14	160.25
		Note: Excludes terminations.		
27 05 26 00-0003	EA	100 Pair Outdoor, Enclosed Building Entrance Terminal (ADC 6649 1 630-00).....	2,147.47	240.31
		Note: Excludes terminations.		
27 05 26 00-0004	EA	Lucent 3B1-EW, Gas Tube Protector Unit	12.81	1.77
27 05 26 00-0005	EA	44 Terminal Copper Ground Bus Bar (Siemens ECGK)	80.04	31.75
27 05 26 00-0006	EA	2" x 1/4" x 12", G Pattern, Grounding Bus Bar.....	186.88	31.75
27 05 26 00-0007	EA	2" x 1/4" x 12", TGB Pattern, Grounding Bus Bar	201.80	31.75
27 05 26 00-0008	EA	4" x 1/4" x 12", TMGB Pattern, Grounding Bus Bar	387.99	31.75
27 05 26 00-0009	EA	#6 AWG, Cable Runway Ground Strap	77.36	5.88
27 05 26 00-0010	EA	1/4" Screw Size, #6 AWG Compression Lug	26.34	5.88
27 05 26 00-0011	EA	3/8" Screw Size, #6 AWG Compression Lug	28.13	5.88
27 05 26 00-0012	EA	Two Mounting Hole, Ground Terminal Block	31.46	5.88

27 05 29 Hangers and Supports for Communications Systems ^(27 05)

See CSI section 26 05 29 00-0000 for hangers and supports.

27 05 29 00-0001 Communications And Low Voltage Cable Hooks (J-Hooks) ^(27 05 29)

27 05 29 00-0002 Screw On Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) ^(27 05 29 00-0001)

Note: Includes screw.

27 05 29 00-0003	EA	3/4" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12).....	9.51	2.94
		For >50 To 100, Deduct	-0.38	
		For >100 To 250, Deduct	-0.77	
		For >250 To 500, Deduct	-1.45	
		For >500, Deduct	-2.13	
		For Installation On Concrete (Includes Drilling And Fastener), Add	1.57	
		For Work In Restricted Working Space, Add	1.76	
		For Painted Powder Coated Finish, Add	0.74	
27 05 29 00-0004	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21).....	10.07	2.94
		For >50 To 100, Deduct	-0.40	
		For >100 To 250, Deduct	-0.80	
		For >250 To 500, Deduct	-1.49	
		For >500, Deduct	-2.18	
		For Installation On Concrete (Includes Drilling And Fastener), Add	1.57	
		For Work In Restricted Working Space, Add	1.76	
		For Painted Powder Coated Finish, Add	2.58	
		For Low Friction Xylan® Coated Finish, Add	9.20	
27 05 29 00-0005	EA	2" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32).....	10.94	2.94
		For >50 To 100, Deduct	-0.42	
		For >100 To 250, Deduct	-0.84	
		For >250 To 500, Deduct	-1.56	
		For >500, Deduct	-2.27	
		For Installation On Concrete (Includes Drilling And Fastener), Add	1.57	
		For Work In Restricted Working Space, Add	1.76	
		For Painted Powder Coated Finish, Add	3.17	
		For Low Friction Xylan® Coated Finish, Add	11.44	
27 05 29 00-0006	EA	4" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64).....	18.47	2.94
		For >50 To 100, Deduct	-0.61	
		For >100 To 250, Deduct	-1.22	
		For >250 To 500, Deduct	-2.12	
		For >500, Deduct	-3.02	
		For Installation On Concrete (Includes Drilling And Fastener), Add	1.57	
		For Work In Restricted Working Space, Add	1.76	
		For Painted Powder Coated Finish, Add	1.69	
		For Low Friction Xylan® Coated Finish, Add	10.14	

27 05 29 00-0007 Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) ^(27 05 29 00-0001)

Note: Includes screw.

27 Communications**27 05 Common Work Results for Communications****27 05 29 Hangers and Supports for Communications Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

27 05 29 00-0008	EA	3/4" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-RB)	10.83	2.94
		For >50 To 100, Deduct	-0.42	
		For >100 To 250, Deduct	-0.84	
		For >250 To 500, Deduct	-1.55	
		For >500, Deduct	-2.26	
		For Installation On Concrete (Includes Drilling And Fastener), Add	1.57	
		For Work In Restricted Working Space, Add	1.76	
27 05 29 00-0009	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-RB)	14.22	2.94
		For >50 To 100, Deduct	-0.50	
		For >100 To 250, Deduct	-1.01	
		For >250 To 500, Deduct	-1.80	
		For >500, Deduct	-2.60	
		For Installation On Concrete (Includes Drilling And Fastener), Add	1.57	
		For Work In Restricted Working Space, Add	1.76	
27 05 29 00-0010	EA	2" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-RB)	15.87	2.94
		For >50 To 100, Deduct	-0.54	
		For >100 To 250, Deduct	-1.09	
		For >250 To 500, Deduct	-1.93	
		For >500, Deduct	-2.76	
		For Installation On Concrete (Includes Drilling And Fastener), Add	1.57	
		For Work In Restricted Working Space, Add	1.76	
27 05 29 00-0011	EA	4" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-RB)	21.77	2.94
		For >50 To 100, Deduct	-0.69	
		For >100 To 250, Deduct	-1.38	
		For >250 To 500, Deduct	-2.37	
		For >500, Deduct	-3.35	
		For Installation On Concrete (Includes Drilling And Fastener), Add	1.57	
		For Work In Restricted Working Space, Add	1.76	

27 05 29 00-0012 Strut Attachment, Communications And Low Voltage Cable Hooks (J-Hooks)
(27 05 29 00-0001)
 Note: Excludes strut.

27 05 29 00-0013	EA	3/4" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-SC4)	11.46	2.94
		For >50 To 100, Deduct	-0.43	
		For >100 To 250, Deduct	-0.87	
		For >250 To 500, Deduct	-1.59	
		For >500, Deduct	-2.32	
		For Work In Restricted Working Space, Add	1.76	
27 05 29 00-0014	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-SC4)	13.72	2.94
		For >50 To 100, Deduct	-0.49	
		For >100 To 250, Deduct	-0.98	
		For >250 To 500, Deduct	-1.76	
		For >500, Deduct	-2.55	
		For Work In Restricted Working Space, Add	1.76	
27 05 29 00-0015	EA	2" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-SC4)	14.89	2.94
		For >50 To 100, Deduct	-0.52	
		For >100 To 250, Deduct	-1.04	
		For >250 To 500, Deduct	-1.85	
		For >500, Deduct	-2.67	
		For Work In Restricted Working Space, Add	1.76	
27 05 29 00-0016	EA	4" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-SC4)	20.47	2.94
		For >50 To 100, Deduct	-0.66	
		For >100 To 250, Deduct	-1.32	
		For >250 To 500, Deduct	-2.27	
		For >500, Deduct	-3.22	
		For Work In Restricted Working Space, Add	1.76	

27 05 29 00-0017 T-Bar Attachment, Communications And Low Voltage Cable Hooks (J-Hooks)
(27 05 29 00-0001)
 Note: Excludes T-Bar.

27 05 29 00-0018	EA	3/4" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-A28)	13.93	2.94
		For >50 To 100, Deduct	-0.50	
		For >100 To 250, Deduct	-0.99	
		For >250 To 500, Deduct	-1.78	
		For >500, Deduct	-2.57	
		For Work In Restricted Working Space, Add	1.76	
27 05 29 00-0019	EA	1-5/16" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-A28)	17.75	2.94
		For >50 To 100, Deduct	-0.59	
		For >100 To 250, Deduct	-1.18	
		For >250 To 500, Deduct	-2.07	
		For >500, Deduct	-2.95	
		For Work In Restricted Working Space, Add	1.76	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 05 29 00-0020	EA		2" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-A28)	18.75	2.94
			For >50 To 100, Deduct	-0.62	
			For >100 To 250, Deduct	-1.23	
			For >250 To 500, Deduct	-2.14	
			For >500, Deduct	-3.05	
			For Work In Restricted Working Space, Add	1.76	
27 05 29 00-0021			Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) (27 05 29 00-0001) Note: Excludes threaded rod. See CSI section 26 05 29 00-0372 for threaded rod.		
27 05 29 00-0022	EA		3/4" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-W6)	11.16	2.94
			For >50 To 100, Deduct	-0.43	
			For >100 To 250, Deduct	-0.85	
			For >250 To 500, Deduct	-1.57	
			For >500, Deduct	-2.29	
			For Work In Restricted Working Space, Add	1.76	
27 05 29 00-0023	EA		1-5/16" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-W6)	11.68	2.94
			For >50 To 100, Deduct	-0.44	
			For >100 To 250, Deduct	-0.88	
			For >250 To 500, Deduct	-1.61	
			For >500, Deduct	-2.34	
			For Work In Restricted Working Space, Add	1.76	
27 05 29 00-0024	EA		2" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-W6)	14.32	2.94
			For >50 To 100, Deduct	-0.51	
			For >100 To 250, Deduct	-1.01	
			For >250 To 500, Deduct	-1.81	
			For >500, Deduct	-2.61	
			For Work In Restricted Working Space, Add	1.76	
27 05 29 00-0025			Threaded Rod Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) (27 05 29 00-0001) Note: Excludes threaded rod, nuts and washers. See CSI section 26 05 29 00-0372 for threaded rod, nuts and washers.		
27 05 29 00-0026	EA		1-5/16" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-AB)	14.02	2.94
			For >50 To 100, Deduct	-0.50	
			For >100 To 250, Deduct	-1.00	
			For >250 To 500, Deduct	-1.79	
			For >500, Deduct	-2.58	
			For Work In Restricted Working Space, Add	1.76	
27 05 29 00-0027	EA		2" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-AB)	15.26	2.94
			For >50 To 100, Deduct	-0.53	
			For >100 To 250, Deduct	-1.06	
			For >250 To 500, Deduct	-1.88	
			For >500, Deduct	-2.70	
			For Work In Restricted Working Space, Add	1.76	
27 05 29 00-0028	EA		4" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-AB)	21.42	2.94
			For >50 To 100, Deduct	-0.68	
			For >100 To 250, Deduct	-1.37	
			For >250 To 500, Deduct	-2.34	
			For >500, Deduct	-3.32	
			For Work In Restricted Working Space, Add	1.76	
27 05 29 00-0029			Beam Clamp Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) (27 05 29 00-0001)		
27 05 29 00-0030	EA		3/4" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-C442A)	13.85	2.94
			For >50 To 100, Deduct	-0.49	
			For >100 To 250, Deduct	-0.99	
			For >250 To 500, Deduct	-1.77	
			For >500, Deduct	-2.56	
			For Work In Restricted Working Space, Add	1.76	
27 05 29 00-0031	EA		1-5/16" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-C442A)	16.06	2.94
			For >50 To 100, Deduct	-0.55	
			For >100 To 250, Deduct	-1.10	
			For >250 To 500, Deduct	-1.94	
			For >500, Deduct	-2.78	
			For Work In Restricted Working Space, Add	1.76	
27 05 29 00-0032	EA		2" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-C442A)	17.23	2.94
			For >50 To 100, Deduct	-0.58	
			For >100 To 250, Deduct	-1.16	
			For >250 To 500, Deduct	-2.03	
			For >500, Deduct	-2.90	
			For Work In Restricted Working Space, Add	1.76	

27 Communications**27 05 Common Work Results for Communications****27 05 29 Hangers and Supports for Communications Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

27 05 29 00-0033	EA	4" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-C442A)	23.66	2.94
		For >50 To 100, Deduct	-0.74	
		For >100 To 250, Deduct	-1.48	
		For >250 To 500, Deduct	-2.51	
		For >500, Deduct	-3.54	
		For Work In Restricted Working Space, Add	1.76	

27 05 29 00-0034 Adjustable Cable Supports (Caddy® CableCat CAT425) (27 05 29)

27 05 29 00-0035	EA	Wall Mount, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	40.02	3.87
		For >50 To 100, Deduct	-1.29	
		For >100 To 250, Deduct	-2.59	
		For >250 To 500, Deduct	-4.47	
		For >500, Deduct	-6.35	
		For Installation On Concrete (Includes Drilling And Fastener), Add	3.04	
		For Work In Restricted Working Space, Add	3.52	
27 05 29 00-0036	EA	Threaded Rod Or Horizontal Surface Mount, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	40.85	3.87
		For >50 To 100, Deduct	-1.31	
		For >100 To 250, Deduct	-2.63	
		For >250 To 500, Deduct	-4.53	
		For >500, Deduct	-6.43	
		For Work In Restricted Working Space, Add	3.52	
27 05 29 00-0037	EA	Up To 1/4" Flange, Hammer On Flange Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	45.15	3.87
		For >50 To 100, Deduct	-1.42	
		For >100 To 250, Deduct	-2.84	
		For >250 To 500, Deduct	-4.85	
		For >500, Deduct	-6.86	
		For Work In Restricted Working Space, Add	3.52	
27 05 29 00-0038	EA	>1/4" To 3/4" Flange, Hammer On Flange Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	39.88	3.87
		For >50 To 100, Deduct	-1.29	
		For >100 To 250, Deduct	-2.58	
		For >250 To 500, Deduct	-4.46	
		For >500, Deduct	-6.34	
		For Work In Restricted Working Space, Add	3.52	
27 05 29 00-0039	EA	Up To 1/2" Flange, Beam Clamp, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	41.88	3.87
		For >50 To 100, Deduct	-1.34	
		For >100 To 250, Deduct	-2.68	
		For >250 To 500, Deduct	-4.61	
		For >500, Deduct	-6.54	
		For Work In Restricted Working Space, Add	3.52	
27 05 29 00-0040	EA	>1/2" To 5/8" Flange, Beam Clamp, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	43.85	3.87
		For >50 To 100, Deduct	-1.39	
		For >100 To 250, Deduct	-2.78	
		For >250 To 500, Deduct	-4.76	
		For >500, Deduct	-6.73	
		For Work In Restricted Working Space, Add	3.52	
27 05 29 00-0041	EA	Up To 1/4" Flange, Hammer On Purlin Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	41.20	3.87
		For >50 To 100, Deduct	-1.32	
		For >100 To 250, Deduct	-2.65	
		For >250 To 500, Deduct	-4.56	
		For >500, Deduct	-6.47	
		For Work In Restricted Working Space, Add	3.52	

27 05 33 Conduits and Back Boxes for Communications Systems (27 05)

See CSI section 26 05 33 00-0000 for conduit and boxes.

27 05 36 Cable Trays for Communications Systems (27 05)

See CSI section 26 05 36 00-0000 for cable trays.

27 05 39 Surface Raceways for Communications Systems (27 05)

See CSI section 26 05 33 00-0000 for surface raceways.

27 05 43 Underground Ducts and Raceways for Communications Systems (27 05)

See CSI section 26 05 43 00-0000 for underground ducts and raceways.

27 05 46 Utility Poles for Communications Systems (27 05)

See CSI section 26 05 46 00-0000 for utility poles.

27 05 53 Identification for Communications Systems (27 05)

See CSI section 26 05 53 00-0000 for identification.

27 10 Structured Cabling (27)

Note: Includes identifying, tagging and testing.

27 11 Communications Equipment Room Fittings (27 10)**27 11 16 Communications Cabinets, Racks, Frames, and Enclosures (27 11)**

27 11 16 00-0001 3/4" Fire Retardant Plywood Backboards (27 11 16)

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 16 00-0002	EA	4' x 4' x 3/4" Fire Retardant Plywood Backboard <i>For Two Coats Of Non-Conductive, Fire Retardant Paint, Add</i>	96.93 52.26	30.52
27 11 16 00-0003	EA	4' x 8' x 3/4" Fire Retardant Plywood Backboard <i>For Two Coats Of Non-Conductive, Fire Retardant Paint, Add</i>	193.86 104.51	61.03
27 11 16 00-0004 Terminal Cabinets (27 11 16)				
27 11 16 00-0005	EA	12" x 12" x 4" Phone Terminal Cabinet With Wood Backboard	385.91	88.03
27 11 16 00-0006	EA	18" x 12" x 4" Phone Terminal Cabinet With Wood Backboard	493.46	96.83
27 11 16 00-0007	EA	24" x 12" x 4" Phone Terminal Cabinet With Wood Backboard	567.78	111.50
27 11 16 00-0008	EA	18" x 18" x 4" Phone Terminal Cabinet With Wood Backboard	589.63	114.44
27 11 16 00-0009	EA	24" x 18" x 4" Phone Terminal Cabinet With Wood Backboard	730.45	117.37
27 11 16 00-0010	EA	26" x 36" x 4" Phone Terminal Cabinet With Wood Backboard	909.83	132.04
27 11 16 00-0011	EA	24" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	933.93	129.10
27 11 16 00-0012	EA	30" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	1,192.77	183.92
27 11 16 00-0013	EA	36" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	1,273.74	202.11
27 11 16 00-0014	EA	42" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	1,551.44	213.50
27 11 16 00-0015	EA	30" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	1,281.52	176.06
27 11 16 00-0016	EA	36" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	1,385.82	190.73
27 11 16 00-0017	EA	48" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	1,724.93	244.49
27 11 16 00-0018	EA	54" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	2,066.30	305.64
27 11 16 00-0019	EA	48" x 36" x 6" Phone Terminal Cabinet With Wood Backboard	2,361.46	302.23
27 11 16 00-0020	EA	60" x 36" x 6" Phone Terminal Cabinet With Wood Backboard	2,703.93	367.73
27 11 16 00-0021 Equipment Racks And Cable Managers (27 11 16)				
27 11 16 00-0022 Equipment Racks (27 11 16 00-0021)				
Note: Electronics Industries Association EIA-310-D compliant. Includes aluminum construction with clear grained aluminum or black epoxy-polyester hybrid powder coat finish.				
27 11 16 00-0023 Standard Equipment Racks (27 11 16 00-0022)				
27 11 16 00-0024 19" Width, Standard Equipment Racks (27 11 16 00-0023)				
27 11 16 00-0025	EA	84" Height, 19" Width, 3" Depth, 45U, Standard Equipment Rack (Chatsworth 55053-X03)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	566.12 9.53	187.80
27 11 16 00-0026	EA	96" Height, 19" Width, 3" Depth, 51U, Standard Equipment Rack (Chatsworth 55053-X15)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	775.04 18.80	199.54
27 11 16 00-0027	EA	108" Height, 19" Width, 3" Depth, 58U, Standard Equipment Rack (Chatsworth 55053-X08)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	836.50 20.70	211.27
27 11 16 00-0028 Universal Equipment Racks (27 11 16 00-0022)				
27 11 16 00-0029 Universal Equipment Racks (27 11 16 00-0028)				
27 11 16 00-0030 19" Width, EIA Universal Equipment Racks (27 11 16 00-0029)				
27 11 16 00-0031	EA	36" Height, 19" Width, 3" Depth, 17U, EIA Universal Equipment Rack (Chatsworth 46353-X31)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	722.64 19.70	164.33
27 11 16 00-0032	EA	48" Height, 19" Width, 3" Depth, 24U, EIA Universal Equipment Rack (Chatsworth 46353-X20)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	787.55 22.65	167.25
27 11 16 00-0033	EA	60" Height, 19" Width, 3" Depth, 31U, EIA Universal Equipment Rack (Chatsworth 46353-X19)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	787.06 22.33	170.19
27 11 16 00-0034	EA	66" Height, 19" Width, 3" Depth, 34U, EIA Universal Equipment Rack (Chatsworth 46353-X00)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	807.04 23.04	173.13
27 11 16 00-0035	EA	72" Height, 19" Width, 3" Depth, 38U, EIA Universal Equipment Rack (Chatsworth 46353-X01)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	826.78 23.73	176.06
27 11 16 00-0036	EA	78" Height, 19" Width, 3" Depth, 41U, EIA Universal Equipment Rack (Chatsworth 46353-X02)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	848.14 24.51	178.99
27 11 16 00-0037	EA	84" Height, 19" Width, 3" Depth, 45U, EIA Universal Equipment Rack (Chatsworth 46353-X03)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	872.72 18.19	181.93
27 11 16 00-0038	EA	90" Height, 19" Width, 3" Depth, 48U, EIA Universal Equipment Rack (Chatsworth 46353-X05)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	889.64 26.00	184.86
27 11 16 00-0039	EA	96" Height, 19" Width, 3" Depth, 51U, EIA Universal Equipment Rack (Chatsworth 46353-X15)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	920.51 27.25	187.80
27 11 16 00-0040	EA	102" Height, 19" Width, 3" Depth, 55U, EIA Universal Equipment Rack (Chatsworth 46353-X17)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	947.53 28.30	190.73
27 11 16 00-0041	EA	108" Height, 19" Width, 3" Depth, 58U, EIA Universal Equipment Rack (Chatsworth 46353-X08)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	954.46 28.36	193.66
27 11 16 00-0042 23" Width, Universal Equipment Racks (27 11 16 00-0029)				
27 11 16 00-0043	EA	36" Height, 23" Width, 3" Depth, 17U, Universal Equipment Rack (Chatsworth 46383-X31) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	763.07 21.72	164.33
27 11 16 00-0044	EA	48" Height, 23" Width, 3" Depth, 24U, Universal Equipment Rack (Chatsworth 46383-X20) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	789.05 22.73	167.25
27 11 16 00-0045	EA	60" Height, 23" Width, 3" Depth, 31U, Universal Equipment Rack (Chatsworth 46383-X19) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	811.96 23.58	170.19
27 11 16 00-0046	EA	66" Height, 23" Width, 3" Depth, 34U, Universal Equipment Rack (Chatsworth 46383-X00) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	854.39 25.41	173.13
27 11 16 00-0047	EA	72" Height, 23" Width, 3" Depth, 38U, Universal Equipment Rack (Chatsworth 46383-X01) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	875.53 26.17	176.06
27 11 16 00-0048	EA	78" Height, 23" Width, 3" Depth, 41U, Universal Equipment Rack (Chatsworth 46383-X02) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	898.50 27.03	178.99
27 11 16 00-0049	EA	84" Height, 23" Width, 3" Depth, 45U, Universal Equipment Rack (Chatsworth 46383-X03) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	778.66 20.74	181.93
27 11 16 00-0050	EA	90" Height, 23" Width, 3" Depth, 48U, Universal Equipment Rack (Chatsworth 46383-X05) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	943.09 28.67	184.86

27 Communications**27 10 Structured Cabling****27 11 Communications Equipment Room Fittings**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
27 11 16 00-0051	EA 96" Height, 23" Width, 3" Depth, 51U, Universal Equipment Rack (Chatsworth 46383-X15) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	976.49 30.05		187.80	
27 11 16 00-0052	EA 102" Height, 23" Width, 3" Depth, 55U, Universal Equipment Rack (Chatsworth 46383-X17) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	1,005.72 31.21		190.73	
27 11 16 00-0053	EA 108" Height, 23" Width, 3" Depth, 58U, Universal Equipment Rack (Chatsworth 46383-X08) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	1,012.74 31.27		193.66	
27 11 16 00-0054	35" Width, Universal Equipment Racks (27 11 16 00-0029)				
27 11 16 00-0055	EA 72" Height, 35" Width, 3" Depth, 38U, Universal Equipment Rack (Chatsworth 46363-X01) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	944.06 29.60		176.06	
27 11 16 00-0056	EA 84" Height, 35" Width, 3" Depth, 45U, Universal Equipment Rack (Chatsworth 46363-X03) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	993.58 31.49		181.93	
27 11 16 00-0057	UL Listed Universal Equipment Racks (27 11 16 00-0028) Note: UL listed as a communications circuit accessory.				
27 11 16 00-0058	19" Width, UL Listed Universal Equipment Racks (27 11 16 00-0057)				
27 11 16 00-0059	EA 36" Height, 19" Width, 3" Depth, 17U, UL Listed Universal Equipment Rack (Chatsworth 48353-X31) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	762.05 21.67		164.33	
27 11 16 00-0060	EA 48" Height, 19" Width, 3" Depth, 24U, UL Listed Universal Equipment Rack (Chatsworth 48353-X20) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	822.03 24.38		167.25	
27 11 16 00-0061	EA 60" Height, 19" Width, 3" Depth, 31U, UL Listed Universal Equipment Rack (Chatsworth 48353-X19) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	834.69 24.72		170.19	
27 11 16 00-0062	EA 66" Height, 19" Width, 3" Depth, 34U, UL Listed Universal Equipment Rack (Chatsworth 48353-X00) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	853.15 25.35		173.13	
27 11 16 00-0063	EA 72" Height, 19" Width, 3" Depth, 38U, UL Listed Universal Equipment Rack (Chatsworth 48353-X01) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	874.24 26.11		176.06	
27 11 16 00-0064	EA 78" Height, 19" Width, 3" Depth, 41U, UL Listed Universal Equipment Rack (Chatsworth 48353-X02) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	897.15 26.96		178.99	
27 11 16 00-0065	EA 84" Height, 19" Width, 3" Depth, 45U, UL Listed Universal Equipment Rack (Chatsworth 48353-X03) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	919.16 27.77		181.93	
27 11 16 00-0066	EA 90" Height, 19" Width, 3" Depth, 48U, UL Listed Universal Equipment Rack (Chatsworth 48353-X05) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	941.66 28.60		184.86	
27 11 16 00-0067	EA 96" Height, 19" Width, 3" Depth, 51U, UL Listed Universal Equipment Rack (Chatsworth 48353-X15) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	975.02 29.97		187.80	
27 11 16 00-0068	EA 102" Height, 19" Width, 3" Depth, 55U, UL Listed Universal Equipment Rack (Chatsworth 48353-X17) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	1,004.17 31.14		190.73	
27 11 16 00-0069	EA 108" Height, 19" Width, 3" Depth, 58U, UL Listed Universal Equipment Rack (Chatsworth 48353-X08) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	1,011.13 31.19		193.66	
27 11 16 00-0070	23" Width, UL Listed Universal Equipment Racks (27 11 16 00-0057)				
27 11 16 00-0071	EA 36" Height, 23" Width, 3" Depth, 17U, UL Listed Universal Equipment Rack (Chatsworth 48383-X31) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	806.56 23.90		164.33	
27 11 16 00-0072	EA 48" Height, 23" Width, 3" Depth, 24U, UL Listed Universal Equipment Rack (Chatsworth 48383-X20) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	882.40 27.39		167.25	
27 11 16 00-0073	EA 60" Height, 23" Width, 3" Depth, 31U, UL Listed Universal Equipment Rack (Chatsworth 48383-X19) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	893.78 27.67		170.19	
27 11 16 00-0074	EA 66" Height, 23" Width, 3" Depth, 34U, UL Listed Universal Equipment Rack (Chatsworth 48383-X00) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	905.19 27.95		173.13	
27 11 16 00-0075	EA 72" Height, 23" Width, 3" Depth, 38U, UL Listed Universal Equipment Rack (Chatsworth 48383-X01) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	927.86 28.79		176.06	
27 11 16 00-0076	EA 78" Height, 23" Width, 3" Depth, 41U, UL Listed Universal Equipment Rack (Chatsworth 48383-X02) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	952.56 29.73		178.99	
27 11 16 00-0077	EA 84" Height, 23" Width, 3" Depth, 45U, UL Listed Universal Equipment Rack (Chatsworth 48383-X03) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	976.20 30.62		181.93	
27 11 16 00-0078	EA 90" Height, 23" Width, 3" Depth, 48U, UL Listed Universal Equipment Rack (Chatsworth 48383-X05) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	1,000.41 31.53		184.86	
27 11 16 00-0079	EA 96" Height, 23" Width, 3" Depth, 51U, UL Listed Universal Equipment Rack (Chatsworth 48383-X15) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	1,036.56 33.05		187.80	
27 11 16 00-0080	EA 102" Height, 23" Width, 3" Depth, 55U, UL Listed Universal Equipment Rack (Chatsworth 48383-X17) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	1,068.15 34.33		190.73	
27 11 16 00-0081	EA 108" Height, 23" Width, 3" Depth, 58U, UL Listed Universal Equipment Rack (Chatsworth 48383-X08) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	1,075.37 34.40		193.66	
27 11 16 00-0082	4-Post Equipment Racks And Server Frames (27 11 16 00-0022)				
27 11 16 00-0083	4-Post Equipment Racks (27 11 16 00-0082)				
27 11 16 00-0084	EA 19" Width, 29" Depth, 84" Height, 4-Post Equipment Rack (Chatsworth 50120-X03) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	1,533.73 47.34		293.43	
27 11 16 00-0085	EA 19" Width, 29" Depth, 96" Height, 4-Post Equipment Rack (Chatsworth 50120-X15) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	1,672.11 53.09		305.17	
27 11 16 00-0086	EA 19" Width, 29" Depth, 108" Height, 4-Post Equipment Rack (Chatsworth 50120-X08) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	1,802.76 58.45		316.90	
27 11 16 00-0087	4-Post Server Frame (27 11 16 00-0082)				
27 11 16 00-0088	EA 19" Width, 29" Depth, 84" Height, Server Frame (Chatsworth 15053-X03) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	1,575.37 49.43		293.43	
27 11 16 00-0089	Cable Managers (27 11 16 00-0021)				
27 11 16 00-0090	Horizontal Cable Managers (27 11 16 00-0089)				

27 11 16 00-0091 Single-Sided, Horizontal Cable Managers (27 11 16 00-0090)			
27 11 16 00-0092	EA	1U Height, 19" Width, 4.96" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30139-719)	87.91
27 11 16 00-0093	EA	1U Height, 23" Width, 4.96" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30139-723)	97.68
27 11 16 00-0094	EA	1U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-701)	73.70
27 11 16 00-0095	EA	2U Height, 19" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30130-719)	89.38
27 11 16 00-0096	EA	2U Height, 23" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30130-723)	104.51
27 11 16 00-0097	EA	2U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-702)	81.42
27 11 16 00-0098	EA	3U Height, 19" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30131-719)	119.87
27 11 16 00-0099	EA	3U Height, 23" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30131-723)	136.19
27 11 16 00-0100	EA	3U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-703)	96.88
27 11 16 00-0101 Double-Sided, Horizontal Cable Managers (27 11 16 00-0090)			
27 11 16 00-0102	EA	1U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30529-719)	108.74
27 11 16 00-0103	EA	1U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30529-723)	121.63
27 11 16 00-0104	EA	2U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30530-719)	114.32
27 11 16 00-0105	EA	2U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30530-723)	132.77
27 11 16 00-0106	EA	3U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30531-719)	147.40
27 11 16 00-0107	EA	3U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30531-723)	164.84
27 11 16 00-0108 Vertical Cable Managers (27 11 16 00-0089)			
27 11 16 00-0109 Single-Sided, Vertical Cable Managers (27 11 16 00-0108)			
27 11 16 00-0110	EA	3.6" Width, 9.7" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-701)	195.55
27 11 16 00-0111	EA	6" Width, 9.8" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-701)	274.75
27 11 16 00-0112	EA	10" Width, 10.3" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-701)	440.88
27 11 16 00-0113	EA	12" Width, 10.4" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-701)	498.84
27 11 16 00-0114	EA	3.6" Width, 9.7" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-703)	209.07
27 11 16 00-0115	EA	6" Width, 9.8" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-703)	296.00
27 11 16 00-0116	EA	10" Width, 10.3" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-703)	479.52
27 11 16 00-0117	EA	12" Width, 10.4" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-703)	537.47
27 11 16 00-0118	EA	3.6" Width, 9.7" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-715)	236.11
27 11 16 00-0119	EA	6" Width, 9.8" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-715)	324.98
27 11 16 00-0120	EA	10" Width, 10.3" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-715)	537.47
27 11 16 00-0121	EA	12" Width, 10.4" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-715)	595.43
27 11 16 00-0122 Double-Sided, Vertical Cable Managers (27 11 16 00-0108)			
27 11 16 00-0123	EA	3.6" Width, 16.4" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-701)	282.48
27 11 16 00-0124	EA	6" Width, 16.6" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-701)	332.70
27 11 16 00-0125	EA	10" Width, 17.5" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-701)	537.47
27 11 16 00-0126	EA	12" Width, 17.8" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-701)	634.06
27 11 16 00-0127	EA	3.6" Width, 16.4" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-703)	305.66
27 11 16 00-0128	EA	6" Width, 16.6" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-703)	355.89
27 11 16 00-0129	EA	10" Width, 17.5" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-703)	576.11
27 11 16 00-0130	EA	12" Width, 17.8" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-703)	672.70
27 11 16 00-0131	EA	3.6" Width, 16.4" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-715)	336.57
27 11 16 00-0132	EA	6" Width, 16.6" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-715)	386.79
27 11 16 00-0133	EA	10" Width, 17.5" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-715)	634.06
27 11 16 00-0134	EA	12" Width, 17.8" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-715)	730.65
27 11 16 00-0135 Accessories For Vertical Cable Managers (27 11 16 00-0108)			
27 11 16 00-0136	EA	Cable Ring Kit For 3.6" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-716)	120.06
27 11 16 00-0137	EA	Cable Ring Kit For 3.6" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-717)	127.79
27 11 16 00-0138	EA	Cable Ring Kit For 3.6" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-718)	135.51
27 11 16 00-0139	EA	Cable Ring Kit For 6" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-726)	123.92
27 11 16 00-0140	EA	Cable Ring Kit For 6" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-727)	135.51
27 11 16 00-0141	EA	Cable Ring Kit For 6" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-728)	147.10
27 11 16 00-0142	EA	Cable Ring Kit For 10" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-746)	139.38
27 11 16 00-0143	EA	Cable Ring Kit For 10" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-747)	150.97
27 11 16 00-0144	EA	Cable Ring Kit For 10" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-748)	162.56
27 11 16 00-0145	EA	Cable Ring Kit For 12" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-756)	147.10
27 11 16 00-0146	EA	Cable Ring Kit For 12" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-757)	162.56
27 11 16 00-0147	EA	Cable Ring Kit For 12" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-758)	174.15
27 11 16 00-0148	EA	Cable Lashing Bar Kit For Vertical Cable Managers (Chatsworth 13928-001)	100.74
27 11 16 00-0149	EA	Cable Spool Kit For Vertical Cable Managers (Chatsworth 13935-701)	116.20
27 11 16 00-0150	EA	Cable Distribution Spools For Vertical Cable Managers (Chatsworth 15008-001)	121.41
27 11 16 00-0151	EA	Cable Distribution Spool Spacer Kit For Vertical Cable Managers (Chatsworth 35505-001)	77.56
27 11 16 00-0152 Surface Mount Wall Racks (27 11 16)			
27 11 16 00-0153	EA	4-3/8" Depth x 24-1/2" Wide x 30-1/5" High, Tilt Out, Surface Mount Wall Rack (Middle Atlantic TOR-2-20SP)	1,052.35
27 11 16 00-0154	EA	6-1/8" Depth x 24-1/2" Wide x 30-1/5" High, Tilt Out, Surface Mount Wall Rack (Middle Atlantic TOR-3-20SP)	1,122.05
27 11 16 00-0155	EA	7-8/9" Depth x 24-1/2" Wide x 30-1/5" High, Tilt Out, Surface Mount Wall Rack (Middle Atlantic TOR-4-20SP)	1,194.81

27 11 19 Communications Termination Blocks and Patch Panels (27 11)

Note: The terminating, testing, and labeling of the cables in question should be done according to the task description as well as the current contract specifications. See CSI section 26 05 53 00-0020 for labeling.

27 11 19 00-0001	Computer Network Components	(27 11 19)
27 11 19 00-0002	Ethernet Patch Panels	(27 11 19 00-0001)

27 Communications**27 10 Structured Cabling****27 11 Communications Equipment Room Fittings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

27 11 19 00-0003	EA	12 Port, Category 5E Patch Panel	304.01	58.68
27 11 19 00-0004	EA	24 Port, Category 5E Patch Panel	463.24	58.68
27 11 19 00-0005	EA	32 Port, Category 5E Patch Panel	613.92	58.68
27 11 19 00-0006	EA	48 Port, Category 5E Patch Panel	754.33	58.68
27 11 19 00-0007	EA	64 Port, Category 5E Patch Panel	847.98	73.36
27 11 19 00-0008	EA	96 Port, Category 5E Patch Panel	1,402.03	88.03
27 11 19 00-0009	EA	12 Port, Category 6 Patch Panel	380.54	58.68
27 11 19 00-0010	EA	24 Port, Category 6 Patch Panel	473.52	58.68
27 11 19 00-0011	EA	48 Port, Category 6 Patch Panel	829.67	58.68
27 11 19 00-0012	EA	96 Port, Category 6 Patch Panel	1,545.86	88.03
27 11 19 00-0013	EA	16" x 12" x 8" Steel Enclosure, Type 12, Hinged, Lockable (Hoffman A161208LP)	785.95	88.03
27 11 19 00-0014	EA	16" x 16" x 6" Steel Enclosure, Type 12, Hinged, Lockable (Hoffman A161606LP)	824.91	88.03
27 11 19 00-0015	EA	12 Port, Category 6 Modular to 110 Mini Patch Panel (Ortronics-Legrand OR-PMP61289)	318.98	58.68
27 11 19 00-0016	EA	12 Port, Category 6 Patch Panel With Rear Cable Management Bar	433.65	58.68
27 11 19 00-0017	EA	24 Port, Category 6 Patch Panel With Rear Cable Management Bar	526.62	58.68
27 11 19 00-0018	EA	48 Port, Category 6 Patch Panel With Rear Cable Management Bar	882.77	58.68
27 11 19 00-0019	EA	96 Port, Category 6 Patch Panel With Rear Cable Management Bar	1,598.97	88.03
27 11 19 00-0020	EA	Terminate One End Of A 4 Pair Cable To Category "X" Specifications	41.58	
		<i>For >5 To 10 Cables, Deduct</i>	-7.48	
		<i>For >10 Cables, Deduct</i>	-16.63	
27 11 19 00-0021	EA	Terminate One End Of A Twisted Pair Of Wires	11.44	
		Note: Per each pair		
		<i>For >20 To 40 Pairs, Deduct</i>	-1.83	
		<i>For >40 Pairs, Deduct</i>	-4.35	

27 11 19 00-0022 Fiber Optic Cable Patch Panels And Enclosures (27 11 19 00-0001)**27 11 19 00-0023 Fiber Optic Cable Connector Housings (27 11 19 00-0022)****27 11 19 00-0024 Wall Mount, Fiber Optic Cable Connector Housings (27 11 19 00-0023)**

Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0052 for connector panels.

27 11 19 00-0025	EA	1-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	167.16	26.41
27 11 19 00-0026	EA	2-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	256.14	26.41
27 11 19 00-0027	EA	4-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	387.80	26.41
27 11 19 00-0028	EA	6-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	569.62	44.01
27 11 19 00-0029	EA	12-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	804.02	44.01

27 11 19 00-0030 Rack Mount, Fiber Optic Cable Connector Housings (27 11 19 00-0023)

Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0052 for connector panels.

27 11 19 00-0031	EA	2-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	593.66	44.01
27 11 19 00-0032	EA	4-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	683.02	44.01
27 11 19 00-0033	EA	6-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	737.69	44.01
27 11 19 00-0034	EA	12-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	869.77	44.01

27 11 19 00-0035 Rack Mount, Fiber Optic Cable Pretium® Connector Housings (27 11 19 00-0023)

Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0052 for connector panels.

27 11 19 00-0036	EA	2-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing	746.82	44.01
		<i>For Splice Tray Bracket, Add</i>	82.74	
27 11 19 00-0037	EA	4-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing	879.76	44.01
		<i>For Splice Tray Bracket, Add</i>	90.48	
27 11 19 00-0038	EA	12-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing	1,103.80	44.01
		<i>For Splice Tray Bracket, Add</i>	329.62	

27 11 19 00-0039 Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housings (27 11 19 00-0023)

Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0052 for connector panels.

27 11 19 00-0040	EA	8 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing	956.02	44.01
27 11 19 00-0041	EA	12 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing	1,230.32	44.01
27 11 19 00-0042	EA	24 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing	1,396.61	44.01
27 11 19 00-0043	EA	48 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing	1,820.70	44.01

27 11 19 00-0044 Wall Mount, Fiber Optic Cable Industrial Connector Housings (27 11 19 00-0023)

Note: Includes powder-coat finish, pad lockable outer door and mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0052 for connector panels.

27 11 19 00-0045	EA	2-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing	861.34	26.41
27 11 19 00-0046	EA	6-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing	1,186.63	44.01
27 11 19 00-0047	EA	12-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing	1,246.65	44.01

27 11 19 00-0048 Wall Mount, Fiber Optic Cable Environmental Connector Housings (27 11 19 00-0023)

Note: Includes NEMA 4X enclosure, pad lockable outer door and mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0052 for connector panels.

27 11 19 00-0049	EA	2-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing	902.82	26.41
27 11 19 00-0050	EA	6-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing	1,185.90	44.01
27 11 19 00-0051	EA	12-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing	1,398.24	44.01

27 11 19 00-0052 Fiber Optic Cable Connector Panels (27 11 19 00-0022)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 19 00-0053			SC Simplex, Fiber Optic Cable Connector Panels (27 11 19 00-0052)		
27 11 19 00-0054	EA		6-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel.....	117.11	5.87
27 11 19 00-0055	EA		6-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel	127.41	5.87
27 11 19 00-0056	EA		8-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel.....	143.40	5.87
27 11 19 00-0057	EA		8-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel	157.13	5.87
27 11 19 00-0058	EA		12-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel.....	196.03	5.87
27 11 19 00-0059	EA		12-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel	216.56	5.87
27 11 19 00-0060			SC Duplex, Fiber Optic Cable Connector Panels (27 11 19 00-0052)		
27 11 19 00-0061	EA		6-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel	112.56	5.87
27 11 19 00-0062	EA		6-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel	114.97	5.87
27 11 19 00-0063	EA		8-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel	137.37	5.87
27 11 19 00-0064	EA		8-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel	140.58	5.87
27 11 19 00-0065	EA		12-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel	186.97	5.87
27 11 19 00-0066	EA		12-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel.....	191.75	5.87
27 11 19 00-0067			LC Duplex, Fiber Optic Cable Connector Panels (27 11 19 00-0052)		
27 11 19 00-0068	EA		6-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel.....	121.85	5.87
27 11 19 00-0069	EA		6-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	133.99	5.87
27 11 19 00-0070	EA		8-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel.....	149.71	5.87
27 11 19 00-0071	EA		8-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	165.91	5.87
27 11 19 00-0072	EA		12-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel.....	205.51	5.87
27 11 19 00-0073	EA		12-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	229.76	5.87
27 11 19 00-0074	EA		16-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel	261.28	5.87
27 11 19 00-0075	EA		16-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	293.60	5.87
27 11 19 00-0076	EA		24-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel	372.80	5.87
27 11 19 00-0077	EA		24-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	384.06	5.87
27 11 19 00-0078			ST Simplex, Fiber Optic Cable Connector Panels (27 11 19 00-0052)		
27 11 19 00-0079	EA		6-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel	96.71	5.87
27 11 19 00-0080	EA		6-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel.....	104.50	5.87
27 11 19 00-0081	EA		8-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel	116.22	5.87
27 11 19 00-0082	EA		8-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel.....	126.62	5.87
27 11 19 00-0083	EA		12-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel	155.21	5.87
27 11 19 00-0084	EA		12-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel.....	170.82	5.87
27 11 19 00-0085			MT-RJ, Fiber Optic Cable Connector Panels (27 11 19 00-0052)		
27 11 19 00-0086	EA		12-Fiber, Multimode, MT-RJ, Fiber Optic Cable Connector Panel.....	121.12	5.87
27 11 19 00-0087	EA		12-Fiber, Singlemode, MT-RJ, Fiber Optic Cable Connector Panel	183.09	5.87
27 11 19 00-0088			Fiber Optic Cable Pretium Edge® Modules (27 11 19 00-0052)		
27 11 19 00-0089	EA		12-Fiber, Singlemode, LC Duplex To MTP, Fiber Optic Cable Pretium Edge® Module	1,072.16	5.87
27 11 19 00-0090	EA		12-Fiber, Multimode, LC Duplex To MTP, Fiber Optic Cable Pretium Edge® Module.....	1,075.89	5.87
27 11 19 00-0091			Fiber Optic Cable Splice Housings (27 11 19 00-0022)		
27 11 19 00-0092			Wall Mount, Fiber Optic Cable Splice Housings (27 11 19 00-0091) Note: Includes mounting hardware. Excludes splice trays.		
27 11 19 00-0093	EA		12 Splice Tray Capacity, Wall Mount, Fiber Optic Splice Housing With Locking Door.....	393.61	58.68
27 11 19 00-0094			Rack Mount, Fiber Optic Cable Splice Housings (27 11 19 00-0091) Note: Includes mounting hardware. Excludes splice trays.		
27 11 19 00-0095	EA		12 Splice Tray Capacity, Rack Mount, Fiber Optic Cable Splice Housing	617.19	44.01
27 11 19 00-0096	EA		22 Splice Tray Capacity, Rack Mount, Fiber Optic Cable Splice Housing	626.91	44.01
27 11 19 00-0097			Fiber Optic Cable Splice Trays (27 11 19 00-0091)		
27 11 19 00-0098	EA		Fiber Optic Cable Splice Tray	113.88	14.67
27 11 19 00-0099			Fiber Optic Cable Jumper Management Panels (27 11 19 00-0022) Note: Includes mounting hardware.		
27 11 19 00-0100	EA		Rack Mount, Fiber Optic Cable Jumper Management Panel.....	211.54	44.01
27 11 19 00-0101			Jumpers (27 11 19 00-0001)		
27 11 19 00-0102	EA		1M SC/SC MM ceramic ferrule duplex fiber jumper (BD-DB-SC/SC-01C)	38.85	1.17
			For >5, Deduct	-5.48	
27 11 19 00-0103	EA		3M SC/SC SM duplex fiber jumper	56.86	1.76
			For >5, Deduct	-8.00	
27 11 19 00-0104	EA		16M SC/SC MM duplex ceramic ferrule fiber jumper	109.43	2.94
			For >5, Deduct	-15.53	
27 11 19 00-0105	EA		18M SC/SC SM ceramic ferrule duplex fiber jumper (AD-DB-SC/SC-18C)	111.99	2.94
			For >5, Deduct	-15.92	
27 11 19 00-0106	EA		20M SC/SC MM ceramic ferrule duplex fiber jumper	124.08	2.94
			For >5, Deduct	-17.73	

27 Communications**27 10 Structured Cabling****27 11 Communications Equipment Room Fittings**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

27 11 19 00-0107	EA	10M SC/LC duplex fiber jumper (BD-DB-SC/LC-10C).....	54.32	2.35
		<i>For >5, Deduct</i>	-7.44	
27 11 19 00-0108	EA	3M ST/SC MM duplex fiber jumper.....	51.25	1.76
		<i>For >5, Deduct</i>	-7.16	
27 11 19 00-0109	EA	5M ST/SC MM mode conditioning ceramic ferrule duplex fiber jumper.....	301.36	2.35
		<i>For >5, Deduct</i>	-44.50	
27 11 19 00-0110	EA	10M ST/SC MM ceramic ferrule duplex fiber jumper (BD-DB-ST/SC-10C).....	62.11	2.35
		<i>For >5, Deduct</i>	-8.61	
27 11 19 00-0111	EA	3M ST/SC mode conditioning duplex fiber jumper.....	222.50	1.76
		<i>For >5, Deduct</i>	-32.85	
27 11 19 00-0112	EA	30' ST/SC MM mode conditioning ceramic ferrule duplex fiber jumper (17JMC75MDF30).....	240.84	2.35
		<i>For >5, Deduct</i>	-35.42	
27 11 19 00-0113	EA	50' ST/SC MM mode conditioning ceramic ferrule duplex fiber jumper (BD-MC-ST/SC-50F).....	258.54	2.94
		<i>For >5, Deduct</i>	-37.90	
27 11 19 00-0114	EA	10M ST/ST MM ceramic ferrule duplex fiber jumper (BD-DB-ST/ST-10C).....	62.11	2.35
		<i>For >5, Deduct</i>	-8.61	
27 11 19 00-0115	EA	50' ST/ST MM ceramic ferrule duplex fiber jumper.....	105.26	2.94
		<i>For >5, Deduct</i>	-14.91	
27 11 19 00-0116	EA	3M APC/APC SC/SC SM ceramic ferrule duplex fiber jumper.....	82.54	1.76
		<i>For >5, Deduct</i>	-11.85	
27 11 19 00-0117	EA	10M APC/APC SC/SC SM ceramic ferrule duplex fiber jumper.....	99.53	2.35
		<i>For >5, Deduct</i>	-14.23	
27 11 19 00-0118	EA	3M APC/Normal SC/SC SM ceramic ferrule duplex fiber jumper.....	75.76	1.76
		<i>For >5, Deduct</i>	-10.84	
27 11 19 00-0119	EA	10M APC/Normal SC/SC SM ceramic ferrule duplex fiber jumper.....	83.89	2.35
		<i>For >5, Deduct</i>	-11.88	
27 11 19 00-0120	EA	25' APC SC/LC SM ceramic ferrule duplex fiber jumper (ADDB-SCA/LC-25F).....	107.18	2.35
		<i>For >5, Deduct</i>	-15.37	
27 11 19 00-0121	EA	50' APC / Normal SC/SC SM ceramic ferrule duplex fiber jumper (ADDB-SCA/SCU-50F).....	126.93	2.94
		<i>For >5, Deduct</i>	-18.16	
27 11 19 00-0122	EA	10M ST/MTRJ MM ceramic ferrule duplex fiber jumper (BD-DB-ST/MT-10C).....	51.03	2.35
		<i>For >5, Deduct</i>	-6.95	
27 11 19 00-0123	EA	20M LC/LC MM 50/125 ceramic ferrule duplex fiber jumper (BD-DB-LC/LC-20C).....	181.06	2.94
		<i>For >5, Deduct</i>	-26.28	
27 11 19 00-0124	EA	10M LC/LC MM 50/125 ceramic ferrule duplex fiber jumper (CD-DB-LC/LC-10C).....	75.95	2.35
		<i>For >5, Deduct</i>	-10.69	
27 11 19 00-0125	EA	20M LC/LC MM 50/125 ceramic ferrule duplex fiber jumper (CD-DB-LC/LC-20C).....	93.46	2.94
		<i>For >5, Deduct</i>	-13.14	
27 11 19 00-0126	EA	30M LC/LC MM 50/125 ceramic ferrule duplex fiber jumper (CD-DB-LC/LC-30C).....	158.65	3.52
		<i>For >5, Deduct</i>	-22.74	

27 11 19 00-0127 Miscellaneous Accessories (27 11 19 00-0001)

27 11 19 00-0128	EA	Wall Mount Bracket For 12 Or 24 Port Patch Panel.....	79.45	
27 11 19 00-0129	EA	Wall Mount Bracket For 32 Or 48 Port Patch Panel.....	107.03	
27 11 19 00-0130	EA	Wall Mount Bracket For 64 Or 72 Port Patch Panel.....	116.04	
27 11 19 00-0131	EA	Wall Mount Bracket For 96 Port Patch Panel.....	128.94	
27 11 19 00-0132	EA	Lightning Protection Plus Stainless Steel Modules, Siemon.....	537.22	58.68
27 11 19 00-0133	EA	12 position, thin, Universal fusion splicing tray.....	144.60	23.47
27 11 19 00-0134	EA	Holds and secures up to (4) splice trays (order (1) for every (4) splice trays).....	44.06	5.87
27 11 19 00-0135	EA	Fiber break-out kit (6-count, 25" long).....	48.07	5.87
27 11 19 00-0136	EA	Fusion splice protector sleeve.....	4.40	1.17
27 11 19 00-0137	EA	905 style fiber mating sleeve(style 2) for use on 906 style SMA.....	41.19	8.80
27 11 19 00-0138	EA	2.5mm mini foam swabs (50 swabs per pkg.).....	29.75	
27 11 19 00-0139	EA	Cleotop woven film replacement reel, blue tape (14meters).....	99.27	11.74
27 11 19 00-0140	EA	6' 900um tight buffered multimode ST pigtail.....	266.90	20.54
		Note: 62.5/125um fiber and ceramic ST connector (bundle of 12 different colors-white, red, black, yellow, violet, blue, orange, green, brown, slate, pink, aqua). (17*851001B00F)		
27 11 19 00-0141	EA	6' 900um tight buffered single mode SC pigtail.....	219.44	20.54
		Note: 08.3/125um fiber and ceramic SC connector (bundle of 12 different colors-white, red, black, yellow, violet, blue, orange, green, brown, slate, pink, aqua). (AD-SC12-06FT)		
27 11 19 00-0142	EA	12 count fiber wall mount termination panel CC106-896-947.....	216.16	32.27
27 11 19 00-0143	EA	Ceramic, multimode ST II connector CC-105-143-911.....	20.96	2.94

27 11 19 00-0144 Telephone Components (27 11 19)**27 11 19 00-0145 Terminal Blocks With Wide Range Of 22-8 AWG (27 11 19 00-0144)**

27 11 19 00-0146	EA	Terminal Block, Circuit Isolation Switch With Wire Range 22-8 AWG.....	35.58	11.76
27 11 19 00-0147	EA	Terminal Block, Fuse Holder 600 Volt, 6.3 Amperes With Wire Range 22-8 AWG.....	70.03	11.76
27 11 19 00-0148	EA	Terminal Block, Fuse Holder 600 Volt, 10 Amperes With Wire Range 22-8 AWG.....	55.93	11.76
27 11 19 00-0149	EA	Terminal Block, Solderless Box With Lugs And Wire Range 22-8 AWG.....	27.06	11.76
27 11 19 00-0150	EA	Flat Terminal Block Connection With Wire Range 22-8 AWG.....	19.15	8.23
27 11 19 00-0151	EA	Ground Terminal Block With Wire Range 22-8 AWG.....	37.07	11.76
27 11 19 00-0152	EA	Terminal Block, Solderless Box With Lug 600 Volt, 60 Amperes With Wire Range 22-8 AWG.....	27.06	11.76
27 11 19 00-0153	EA	Terminal Block, Mini Box Lug 300 Volt, 30 Amperes With Wire Range 22-8 AWG.....	18.93	8.23
27 11 19 00-0154	EA	Flat Terminal Block Connection 300 Volt, 20 Amperes With Wire Range 22-8 AWG.....	18.78	8.23
27 11 19 00-0155	EA	Self Lifting Terminal Block, 300 Volt, 40 Amperes, Wire Connection With Wire Range 22-12 AWG.....	19.46	8.23

27 11 19 00-0156 Terminal Block Mounting Channel (27 11 19 00-0144)

27 11 19 00-0157	EA	Terminal Block Mounting Channel, .5 M Galvanized Steel.....	18.88	5.88
27 11 19 00-0158	EA	Terminal Block Mounting Channel, 1 M Galvanized Steel.....	24.64	5.88
27 11 19 00-0159	EA	Terminal Block Mounting Channel, 2 M Galvanized Steel.....	34.80	5.88
27 11 19 00-0160	EA	Terminal Block Mounting Channel, .5 M Bi-Chrome Zinc.....	24.33	7.06
27 11 19 00-0161	EA	Terminal Block Mounting Channel, 1 M Bi-Chrome Zinc.....	33.93	7.06
27 11 19 00-0162	EA	Terminal Block Mounting Channel, 2 M Bi-Chrome Zinc.....	49.83	7.06

27 11 19 00-0163 Outlet Termination Hardware (27 11 19 00-0144)		
27 11 19 00-0164 EA Telephone Outlet Blocks.....	37.55	5.88
27 11 19 00-0165 EA Phone Outlet Block For Floor Box	99.47	44.60
Note: Excludes box.		
27 11 19 00-0166 EA Fiber Optic "SC" Type Modular Bulkhead.....	90.17	26.41
27 11 19 00-0167 EA Fiber Optic "ST" Type Modular Bulkhead	90.17	26.41
27 11 19 00-0168 EA Type "F" Coaxial Connector Male.....	52.33	17.61
27 11 19 00-0169 EA Modular Plate For 3-RJ-45, 4 - "SC" And 1 -"F" Connector	138.04	29.35
27 11 19 00-0170 EA Modular Plate For 3-RJ-45, 4 - "ST" And 1 -"F" Connector.....	138.04	29.35
27 11 19 00-0171 EA Access Floor Box With 3-RJ-45, 4 - "SC" And 1 -"F" Connector.....	167.60	29.35
27 11 19 00-0172 EA Access Floor Box With 3-RJ-45, 4 - "ST" And 1 -"F" Connector.....	167.60	29.35
27 11 19 00-0173 EA Access Floor Box With 2-RJ-45, 4 - "SC" And 1 -25 Pin Connector	152.04	29.35
27 11 19 00-0174 EA Terminal Type - Punch Down Block 110 Type - 300 Pair Category 5.....	1,339.10	146.71
27 11 19 00-0175 EA Wiring (Punch Down) Block with Stand-Off Legs, 100 Pair, Category V.....	64.24	11.74
Note: Excludes cable terminations.		
27 11 19 00-0176 EA 5-Pair, Connecting Block	3.79	1.17
27 11 19 00-0177 EA 4-Pair, Connecting Block	4.12	1.17
27 11 19 00-0178 EA Plastic Label Holder, Transparent.....	15.33	2.94
27 11 19 00-0179 EA Marked Label, White, 5-Pair	4.10	
27 11 19 00-0180 EA Marked Label, Blue, 4-Pair	4.10	

27 11 19 00-0181 Terminations in Manhole or Junction Box (27 11 19 00-0144)		
27 11 19 00-0182 EA 25 Pair Cable Termination In Manhole Or Junction Box.....	187.80	
27 11 19 00-0183 EA 50 Pair Cable Termination In Manhole Or Junction Box.....	375.59	
27 11 19 00-0184 EA 100 Pair Cable Termination In Manhole Or Junction Box.....	751.18	
27 11 19 00-0185 EA 150 Pair Cable Termination In Manhole Or Junction Box.....	1,126.77	
27 11 19 00-0186 EA 200 Pair Cable Termination In Manhole Or Junction Box.....	1,318.09	
27 11 19 00-0187 EA 300 Pair Cable Termination In Manhole Or Junction Box.....	1,976.55	
27 11 19 00-0188 EA 400 Pair Cable Termination In Manhole Or Junction Box.....	2,485.94	
27 11 19 00-0189 EA 500 Pair Cable Termination In Manhole Or Junction Box.....	3,108.01	
27 11 19 00-0190 EA 750 Pair Cable Termination In Manhole Or Junction Box.....	4,661.99	
27 11 19 00-0191 EA 1,000 Pair Cable Termination In Manhole Or Junction Box	5,653.77	
27 11 19 00-0192 EA 1,200 Pair Cable Termination In Manhole Or Junction Box	6,443.79	

27 11 23 Communications Cable Management and Ladder Rack (27 11)

27 11 23 00-0001 Equipment Supports (27 11 23)		
27 11 23 00-0002 EA 110 Jumper Trough (Commscope 107831133).....	34.88	5.87
27 11 23 00-0003 LF Velcro CMP.....	2.88	1.17
27 11 23 00-0004 EA 12" x 5'-11" Tubular Runway	124.09	28.16
27 11 23 00-0005 EA 12" x 9'-11" Tubular Runway	213.82	46.95
27 11 23 00-0006 EA Shelf Bracket Support For Tubular Runway	39.23	8.80
27 11 23 00-0007 EA Straight Clamp Hardware For Tubular Runway	16.21	5.87
27 11 23 00-0008 EA Corner Clamp Hardware For Tubular Runway	17.32	5.87
27 11 23 00-0009 EA 90 Degree Edge Clamp Hardware For Tubular Runway	40.53	10.56
27 11 23 00-0010 EA Wall Angle Assembly Hardware For 12" Wide Tubular Runway.....	87.62	17.61
27 11 23 00-0011 EA J-Bolt Hardware For Tubular Runway.....	7.74	2.59
27 11 23 00-0012 EA T Bracket Hardware For Tubular Runway	44.25	14.67

27 13 Communications Backbone Cabling (27 10)

27 13 13 Communications Copper Backbone Cabling (27 13)

27 13 13 13 Communications Copper Cable Splicing and Terminations (27 13 13)

27 13 13 13-0001 Building Entrance Terminals (27 13 13 13)		
27 13 13 13-0002 EA 25 Pair Gas Protective Unit Assembly Complete With Gas Protector.....	2,908.61	257.35
27 13 13 13-0003 EA 50 Pair Gas Protective Unit Assembly Complete With Gas Protector.....	3,830.16	428.92
27 13 13 13-0004 EA 100 Pair Gas Protective Unit Assembly Complete With Gas Protector.....	5,371.33	686.81

27 13 13 13-0005 Modular Plugs For Copper Communications Cable

27 13 13 13-0006 EA Modular Plug For Non Shielded Copper Communications Cable	29.98	
Note: Up to 8-position/8-contact non-shielded modular plug for solid or stranded wire. Includes termination.		
For >5 To 10, Deduct	-3.51	
For >10, Deduct	-7.03	
27 13 13 13-0007 EA Modular Plug For Shielded Copper Communications Cable.....	34.31	
Note: Up to 8-position/8-contact shielded modular plug for solid or stranded wire. Includes termination.		
For >5 To 10, Deduct	-3.95	
For >10, Deduct	-7.91	

27 13 13 13-0008 Testing And Certification Of Copper Communications Cable

Note: Use for existing systems.		
27 13 13 13-0009 EA Test 1-Pair Of A Copper Communications Cable For Continuity.....	5.87	
For >25-Pair, Deduct	-2.34	
27 13 13 13-0010 EA Certify 1-Pair Of A Copper Communications Cable	8.80	
For >25-Pair, Deduct	-3.51	
27 13 13 13-0011 EA Certify And Document 1-Pair Of A Copper Communications Cable	14.08	
For >25-Pair, Deduct	-5.62	

27 Communications**27 10 Structured Cabling****27 13 Communications Backbone Cabling**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

27 13 13 13-0012	EA	Test 4-Pair Category 5-7 Telecommunications Cable For Continuity	23.47	
		<i>For >25-Pair, Deduct</i>	-9.37	
27 13 13 13-0013	EA	Certify 4-Pair Category 5-7 Telecommunications Cable	35.21	
		<i>For >25-Pair, Deduct</i>	-14.05	
27 13 13 13-0014	EA	Certify And Document 4-Pair Category 5-7 Telecommunications Cable	56.34	
		<i>For >25-Pair, Deduct</i>	-22.48	

27 13 13 13-0015 Communications Termination Blocks (27 13 13 13)

27 13 13 13-0016	EA	100-Pair, 110 Block With Legs.....	61.43	14.67
27 13 13 13-0017	EA	300-Pair, 110 Block With Legs.....	108.09	14.67
27 13 13 13-0018	EA	Clear Label Holder For 110 Wiring Block.....	12.65	5.87
27 13 13 13-0019	EA	4-Pair, 110C Connecting Block.....	7.28	2.94
27 13 13 13-0020	EA	5-Pair, 110C Connecting Block.....	7.45	2.94
27 13 13 13-0021	EA	100-Pair, 110 Jack Panel System.....	356.72	17.61
		Note: Includes twelve 8-pin modular jacks and mounting legs.		
27 13 13 13-0022	EA	300-Pair, 110 Jack Panel System.....	655.80	17.61
		Note: Includes twelve 8-pin modular jacks and mounting legs.		

27 13 23 Communications Optical Fiber Backbone Cabling (27 13)**27 13 23 13 Communications Optical Fiber Splicing and Terminations (27 13 23)****27 13 23 13-0001 Fiber Optic Cable Connectors (27 13 23 13)**

27 13 23 13-0002	EA	ST Connector For Multimode Fiber Optic Cable	34.76	
27 13 23 13-0003	EA	ST Connector For Singlemode Fiber Optic Cable.....	40.38	
27 13 23 13-0004	EA	SC Connector For Multimode Fiber Optic Cable.....	38.92	
27 13 23 13-0005	EA	SC Connector For Singlemode Fiber Optic Cable	46.09	
27 13 23 13-0006	EA	LC Connector For Multimode Fiber Optic Cable	53.42	
27 13 23 13-0007	EA	LC Connector For Singlemode Fiber Optic Cable.....	55.09	
27 13 23 13-0008	EA	Duplex LC Connector For Multimode Fiber Optic Cable.....	77.49	
27 13 23 13-0009	EA	Duplex LC Connector For Singlemode Fiber Optic Cable.....	80.83	
27 13 23 13-0010	EA	MT-RJ Connector For Multimode Fiber Optic Cable.....	80.96	

27 13 23 13-0011 Fiber Optic Cable Fan Out Kits (27 13 23 13)**27 13 23 13-0012 Buffer Tube Fan Out Kits For Fiber Optic Cable (27 13 23 13-0011)**

27 13 23 13-0013	EA	6-Fiber, Indoor Buffer Tube Fan Out Kit For Fiber Optic Cable	256.62	
27 13 23 13-0014	EA	12-Fiber, Indoor Buffer Tube Fan Out Kit For Fiber Optic Cable	260.80	
27 13 23 13-0015	EA	6-Fiber, Outdoor Buffer Tube Fan Out Kit For Fiber Optic Cable.....	296.08	
27 13 23 13-0016	EA	12-Fiber, Outdoor Buffer Tube Fan Out Kit For Fiber Optic Cable.....	322.54	

27 13 23 13-0017 Spider Fan Out Kits For Fiber Optic Cable (27 13 23 13-0011)

Note: For tight buffered or loose tube non-armored cables. Includes aramid yarn strength member, outer protective PVDF jacket and one meter fan out lengths.

27 13 23 13-0018	EA	6-Fiber, Spider Fan Out Kit For Fiber Optic Cable	308.08	
27 13 23 13-0019	EA	12-Fiber, Spider Fan Out Kit For Fiber Optic Cable.....	336.11	
27 13 23 13-0020	EA	18-Fiber, Spider Fan Out Kit For Fiber Optic Cable	490.13	
27 13 23 13-0021	EA	24-Fiber, Spider Fan Out Kit For Fiber Optic Cable.....	635.55	

27 13 23 13-0022 Fiber Optic Cable Splice Closures (27 13 23 13)

Note: Includes mounting hardware. Excludes splicing and splice trays.

27 13 23 13-0023	EA	Up To 144-Fiber Capacity, Pedestal Fiber Optic Cable Splice Closure	995.52	117.37
27 13 23 13-0024	EA	Up To 144-Fiber Capacity, Underground Fiber Optic Cable Splice Closure	1,230.26	234.75
27 13 23 13-0025	EA	Up To 144-Fiber Capacity, Aerial Fiber Optic Cable Splice Closure	1,230.26	234.75
27 13 23 13-0026	EA	Up To 288-Fiber Capacity, Pedestal Fiber Optic Cable Splice Closure	1,683.90	117.37
27 13 23 13-0027	EA	Up To 288-Fiber Capacity, Underground Fiber Optic Cable Splice Closure	1,918.64	234.75
27 13 23 13-0028	EA	Up To 288-Fiber Capacity, Aerial Fiber Optic Cable Splice Closure.....	1,918.64	234.75
27 13 23 13-0029	EA	Splice Tray For Fiber Optic Cable Splice Closure.....	67.70	14.67
		Note: Up to 12-fiber, mechanical or fusion splice tray. Excludes splice.		

27 13 23 13-0030 Fiber Optic Cable Testing (27 13 23 13)

Note: Price based on testing one wavelength.

27 13 23 13-0031 Fiber Optic Cable Testing Using An OTDR (27 13 23 13-0030)

Note: Testing using an optical time domain reflectometer.

27 13 23 13-0032	EA	Test 1-Strand Of Fiber Optic Cable Using A Single Directional OTDR Test	23.47	
		<i>For >12 To 48 Strands, Deduct</i>	-1.76	
		<i>For >48 Strands, Deduct</i>	-2.35	
27 13 23 13-0033	EA	Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional OTDR Test	35.21	
		<i>For >12 To 48 Strands, Deduct</i>	-2.64	
		<i>For >48 Strands, Deduct</i>	-3.52	
27 13 23 13-0034	EA	Test 1-Strand Of Fiber Optic Cable Using A Single Directional OTDR Test With Documentation	58.68	
		<i>For >12 To 48 Strands, Deduct</i>	-4.40	
		<i>For >48 Strands, Deduct</i>	-5.87	
27 13 23 13-0035	EA	Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional OTDR Test With Documentation	88.03	
		<i>For >12 To 48 Strands, Deduct</i>	-6.60	
		<i>For >48 Strands, Deduct</i>	-8.80	

27 13 23 13-0036 Fiber Optic Cable Testing Using A Power Meter (27 13 23 13-0030)

Cal Poly Humboldt.		Communications		27	27
		Structured Cabling		27 10	
		Communications Backbone Cabling		27 13	
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT		DEMOLITION	
		UNIT COST		UNIT COST	
27 13 23 13-0037	EA Test 1-Strand Of Fiber Optic Cable Using A Single Directional Power Meter Test..... For >12 To 48 Strands, Deduct For >48 Strands, Deduct	23.47 -1.76 -2.35			
27 13 23 13-0038	EA Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional Power Meter Test..... For >12 To 48 Strands, Deduct For >48 Strands, Deduct	35.21 -2.64 -3.52			
27 13 23 13-0039	Fiber Optic Cable Light Source/Continuity Testing (27 13 23 13-0030)				
27 13 23 13-0040	EA Test 1-Strand Of Fiber Optic Cable Using A Light Source/Continuity Test..... For >12 To 48 Strands, Deduct For >48 Strands, Deduct	23.47 -1.76 -2.35			
27 13 23 13-0041	Fiber Optic Cable Splicing (27 13 23 13)				
27 13 23 13-0042	EA Single Strand, Fusion Splice Of Fiber Optic Cable.....	35.21			
27 13 23 13-0043	EA 12-Strand Ribbon, Fusion Splice Of Fiber Optic Cable.....	117.37			
27 13 23 13-0044	Other Fiber Optic Cable Splicing (27 13 23 13)				
27 13 23 13-0045	EA Fiber Optic Finger Splice.....	43.30			22.07
27 13 23 13-0046	EA Fiber Optic Splice Box - Manholes.....	7,762.56			
27 15 Communications Horizontal Cabling (27 10)					
27 15 01 Communications Horizontal Cabling Applications (27 15)					
27 15 01 13 Video Surveillance Communications Conductors and Cables (27 15 01)					
Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc. See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 13 00 00-0000 for conductors and cables.					
27 15 01 15 Access Control Communications Conductors and Cables (27 15 01)					
Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc. See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 13 00 00-0000 for conductors and cables.					
27 15 01 16 Voice Communications Horizontal Cabling (27 15 01)					
Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc. See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 13 00 00-0000 for conductors and cables.					
27 15 01 17 Intrusion Detection Communications Conductors and Cables (27 15 01)					
Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc. See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 13 00 00-0000 for conductors and cables, 27 15 01 19-0000 for Type FPLP Cable.					
27 15 01 19 Fire Alarm Communications Conductors and Cables (27 15 01)					
Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.					
27 15 01 19-0001	Fire Alarm/Life Safety Cable (27 15 01 19)				
27 15 01 19-0002	Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable (27 15 01 19-0001)				
27 15 01 19-0003	Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit (27 15 01 19-0002)				
27 15 01 19-0004	MLF 1-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,907.49			798.60
27 15 01 19-0005	MLF 2-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,337.87			827.48
27 15 01 19-0006	MLF 1-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,174.99			907.75
27 15 01 19-0007	MLF 2-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,860.65			940.16
27 15 01 19-0008	MLF 1-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,498.04			1,016.21
27 15 01 19-0009	MLF 2-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	3,474.33			1,052.83
27 15 01 19-0010	MLF 1-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	3,195.85			1,161.98
27 15 01 19-0011	MLF 2-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	4,712.26			1,203.42
27 15 01 19-0012	Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed (27 15 01 19-0002)				
27 15 01 19-0013	MLF 1-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,238.50			1,597.44
27 15 01 19-0014	MLF 2-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,716.99			1,654.95
27 15 01 19-0015	MLF 1-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,687.93			1,815.74

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
27 15 01 19-0016	MLF	2-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,427.57		1,880.30
27 15 01 19-0017	MLF	1-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,191.71		2,032.89
27 15 01 19-0018	MLF	2-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	5,229.04		2,105.66
27 15 01 19-0019	MLF	1-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	5,132.49		2,323.97
27 15 01 19-0020	MLF	2-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	6,718.16		2,407.31
27 15 01 19-0021 Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit (27 15 01 19-0001)					
27 15 01 19-0022	MLF	2 Conductors, #22 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,214.61		653.53
27 15 01 19-0023	MLF	4 Conductors, #22 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,312.59		676.76
27 15 01 19-0024	MLF	2 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,477.74		798.60
27 15 01 19-0025	MLF	3 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,574.92		813.04
27 15 01 19-0026	MLF	4 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,634.02		827.48
27 15 01 19-0027	MLF	6 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,824.23		856.34
27 15 01 19-0028	MLF	8 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,096.79		885.22
27 15 01 19-0029	MLF	2 Conductors, #16 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,723.34		907.75
27 15 01 19-0030	MLF	4 Conductors, #16 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,935.71		940.16
27 15 01 19-0031	MLF	2 Conductors, #14 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,995.25		1,016.21
27 15 01 19-0032	MLF	4 Conductors, #14 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,326.56		1,052.83
27 15 01 19-0033	MLF	2 Conductors, #12 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,432.70		1,161.98
27 15 01 19-0034	MLF	4 Conductors, #12 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,966.49		1,203.42
27 15 01 19-0035 Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable (27 15 01 19-0001)					
27 15 01 19-0036 Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit (27 15 01 19-0035)					
27 15 01 19-0037	MLF	2 Conductors, #22 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,204.75		653.53
27 15 01 19-0038	MLF	2 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,471.33		798.60
27 15 01 19-0039	MLF	3 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,636.88		813.04
27 15 01 19-0040	MLF	4 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,651.18		827.48
27 15 01 19-0041	MLF	6 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,913.78		856.34
27 15 01 19-0042	MLF	2 Conductors, #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,713.65		907.75
27 15 01 19-0043	MLF	4 Conductors, #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,957.44		940.16
27 15 01 19-0044	MLF	2 Conductors, #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,951.64		1,016.21
27 15 01 19-0045	MLF	4 Conductors, #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,499.87		1,052.83
27 15 01 19-0046	MLF	2 Conductors, #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,418.45		1,161.98
27 15 01 19-0047	MLF	4 Conductors, #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	3,229.59		1,203.42
27 15 01 19-0048 Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed (27 15 01 19-0035)					
27 15 01 19-0049	MLF	2 Conductors, #22 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,293.96		1,307.52
27 15 01 19-0050	MLF	2 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,802.34		1,597.44
27 15 01 19-0051	MLF	3 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,991.37		1,625.60
27 15 01 19-0052	MLF	4 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,030.30		1,654.95
27 15 01 19-0053	MLF	6 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,341.03		1,712.46
27 15 01 19-0054	MLF	2 Conductors, #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,226.59		1,815.74
27 15 01 19-0055	MLF	4 Conductors, #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,524.36		1,880.30

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 01 19-0056	MLF	2	Conductors, #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,645.31	2,032.89
27 15 01 19-0057	MLF	4	Conductors, #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,254.58	2,105.66
27 15 01 19-0058	MLF	2	Conductors, #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,355.09	2,323.97
27 15 01 19-0059	MLF	4	Conductors, #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	5,235.49	2,407.31
27 15 01 19-0060			Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable (27 15 01 19-0001)		
27 15 01 19-0061			Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit (27 15 01 19-0060)		
27 15 01 19-0062	MLF	2	Conductors, #22 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,245.37	653.53
27 15 01 19-0063	MLF	2	Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,500.34	798.60
27 15 01 19-0064	MLF	3	Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,744.57	813.04
27 15 01 19-0065	MLF	4	Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,680.87	827.48
27 15 01 19-0066	MLF	6	Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,944.14	856.34
27 15 01 19-0067	MLF	2	Conductors, #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,780.33	907.75
27 15 01 19-0068	MLF	4	Conductors, #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,988.29	940.16
27 15 01 19-0069	MLF	2	Conductors, #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,095.45	1,016.21
27 15 01 19-0070	MLF	4	Conductors, #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,427.76	1,052.83
27 15 01 19-0071	MLF	2	Conductors, #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,524.86	1,161.98
27 15 01 19-0072	MLF	4	Conductors, #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	3,010.66	1,203.42
27 15 01 19-0073			Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed (27 15 01 19-0060)		
27 15 01 19-0074	MLF	2	Conductors, #22 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,334.58	1,307.52
27 15 01 19-0075	MLF	2	Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,831.35	1,597.44
27 15 01 19-0076	MLF	3	Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,099.06	1,625.60
27 15 01 19-0077	MLF	4	Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,059.99	1,654.95
27 15 01 19-0078	MLF	6	Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,371.39	1,712.46
27 15 01 19-0079	MLF	2	Conductors, #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,293.27	1,815.74
27 15 01 19-0080	MLF	4	Conductors, #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,555.21	1,880.30
27 15 01 19-0081	MLF	2	Conductors, #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,789.12	2,032.89
27 15 01 19-0082	MLF	4	Conductors, #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,182.47	2,105.66
27 15 01 19-0083	MLF	2	Conductors, #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,461.50	2,323.97
27 15 01 19-0084	MLF	4	Conductors, #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	5,016.56	2,407.31
27 15 01 19-0085			Non-Shielded, Riser Rated, FPLR (Red), Fire Alarm/Life Safety Cable (27 15 01 19-0001)		
27 15 01 19-0086			Non-Shielded, Riser Rated, FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit (27 15 01 19-0085)		
27 15 01 19-0087	MLF	2	Conductors, #22 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,213.86	653.53
27 15 01 19-0088	MLF	2	Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,528.12	798.60
27 15 01 19-0089	MLF	3	Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,649.74	813.04
27 15 01 19-0090	MLF	4	Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,752.01	827.48
27 15 01 19-0091	MLF	6	Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,975.89	856.34
27 15 01 19-0092	MLF	2	Conductors, #16 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,762.91	907.75
27 15 01 19-0093	MLF	4	Conductors, #16 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,068.99	940.16
27 15 01 19-0094	MLF	2	Conductors, #14 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,064.64	1,016.21
27 15 01 19-0095	MLF	4	Conductors, #14 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,614.79	1,052.83

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

 27 15 01 19-0096 MLF 2 Conductors, #12 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable,
 Installed In Conduit..... 2,483.35 1,161.98

**27 15 01 19-0097 Non-Shielded, Riser Rated, FPLR (Red), Fire Alarm/Life Safety Cable,
 Installed Exposed** (27 15 01 19-0085)

 27 15 01 19-0098 MLF 2 Conductors, #22 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable,
 Installed Exposed 2,303.07 1,307.52
 27 15 01 19-0099 MLF 2 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable,
 Installed Exposed 2,859.13 1,597.44
 27 15 01 19-0100 MLF 3 Conductors, #18 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable,
 Installed Exposed 3,004.23 1,625.60
 27 15 01 19-0101 MLF 4 Conductors, #18 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable,
 Installed Exposed 3,131.13 1,654.95
 27 15 01 19-0102 MLF 6 Conductors, #18 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable,
 Installed Exposed 3,403.14 1,712.46
 27 15 01 19-0103 MLF 2 Conductors, #16 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable,
 Installed Exposed 3,275.85 1,815.74
 27 15 01 19-0104 MLF 4 Conductors, #16 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable,
 Installed Exposed 3,635.91 1,880.30
 27 15 01 19-0105 MLF 2 Conductors, #14 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable,
 Installed Exposed 3,758.31 2,032.89
 27 15 01 19-0106 MLF 4 Conductors, #14 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable,
 Installed Exposed 4,369.50 2,105.66
 27 15 01 19-0107 MLF 2 Conductors, #12 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable,
 Installed Exposed 4,419.99 2,323.97

27 15 13 Communications Copper Horizontal Cabling (27 15)

 Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed
 includes installation on exposed surfaces, uncovered wireways, cable trays, etc.

27 15 13 00-0001 Solid Conductor Low Voltage Cable (27 15 13)
**27 15 13 00-0002 Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And
 Communications Cable, Installed In Conduit** (27 15 13 00-0001)
**27 15 13 00-0003 #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And
 Communications Cable, Installed In Conduit** (27 15 13 00-0002)

 27 15 13 00-0004 MLF 1 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed
 In Conduit 2,056.07 1,061.58
For #10 AWG, Add 448.47
For Work In Restricted Working Space, Add 530.84
 27 15 13 00-0005 MLF 2 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed
 In Conduit 2,361.30 1,099.11
For #10 AWG, Add 541.02
For Work In Restricted Working Space, Add 549.72
 27 15 13 00-0006 MLF 3 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed
 In Conduit 2,632.52 1,137.71
For #10 AWG, Add 622.30
For Work In Restricted Working Space, Add 568.70
 27 15 13 00-0007 MLF 4 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed
 In Conduit 2,919.04 1,176.31
For #10 AWG, Add 708.34
For Work In Restricted Working Space, Add 588.34
 27 15 13 00-0008 MLF 5 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed
 In Conduit 3,259.27 1,255.67
For #10 AWG, Add 803.42
For Work In Restricted Working Space, Add 628.02
 27 15 13 00-0009 MLF 6 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed
 In Conduit 3,574.12 1,333.95
For #10 AWG, Add 890.36
For Work In Restricted Working Space, Add 667.15
 27 15 13 00-0010 MLF 8 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed
 In Conduit 3,909.21 1,492.65
For #10 AWG, Add 966.69
For Work In Restricted Working Space, Add 746.18
 27 15 13 00-0011 MLF 12 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed
 In Conduit 5,174.74 1,967.68
For #10 AWG, Add 1,281.42
For Work In Restricted Working Space, Add 983.65
 27 15 13 00-0012 MLF 24 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed
 In Conduit 7,685.85 2,905.95
For #10 AWG, Add 1,906.87
For Work In Restricted Working Space, Add 1,452.60
**27 15 13 00-0013 #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And
 Communications Cable, Installed In Conduit** (27 15 13 00-0002)

 27 15 13 00-0014 MLF 1 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed
 In Conduit 1,821.19 928.62
For Work In Restricted Working Space, Add 464.20
 27 15 13 00-0015 MLF 2 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed
 In Conduit 2,108.43 961.86
For Work In Restricted Working Space, Add 480.93
 27 15 13 00-0016 MLF 3 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed
 In Conduit 2,362.91 995.10
For Work In Restricted Working Space, Add 497.66

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0017	MLF	4 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,630.95	1,029.41	
		<i>For Work In Restricted Working Space, Add</i>	514.71		
27 15 13 00-0018	MLF	5 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,945.44	1,099.11	
		<i>For Work In Restricted Working Space, Add</i>	549.45		
27 15 13 00-0019	MLF	6 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,235.31	1,167.74	
		<i>For Work In Restricted Working Space, Add</i>	583.55		
27 15 13 00-0020	MLF	8 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,535.38	1,306.07	
		<i>For Work In Restricted Working Space, Add</i>	653.03		
27 15 13 00-0021	MLF	12 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,679.88	1,721.05	
		<i>For Work In Restricted Working Space, Add</i>	860.52		
27 15 13 00-0022	MLF	24 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	6,954.96	2,542.44	
		<i>For Work In Restricted Working Space, Add</i>	1,271.33		
27 15 13 00-0023 #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0002)					
27 15 13 00-0024	MLF	1 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,623.35	828.89	
		<i>For Work In Restricted Working Space, Add</i>	414.66		
27 15 13 00-0025	MLF	2 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,818.48	858.91	
		<i>For Work In Restricted Working Space, Add</i>	429.46		
27 15 13 00-0026	MLF	3 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,100.84	888.94	
		<i>For Work In Restricted Working Space, Add</i>	444.26		
27 15 13 00-0027	MLF	4 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,338.31	918.97	
		<i>For Work In Restricted Working Space, Add</i>	459.70		
27 15 13 00-0028	MLF	5 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,616.22	981.16	
		<i>For Work In Restricted Working Space, Add</i>	490.58		
27 15 13 00-0029	MLF	6 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,873.25	1,042.28	
		<i>For Work In Restricted Working Space, Add</i>	521.14		
27 15 13 00-0030	MLF	7 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,006.33	1,104.48	
		<i>For Work In Restricted Working Space, Add</i>	552.02		
27 15 13 00-0031	MLF	8 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,140.48	1,166.67	
		<i>For Work In Restricted Working Space, Add</i>	583.23		
27 15 13 00-0032	MLF	9 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,463.20	1,240.65	
		<i>For Work In Restricted Working Space, Add</i>	620.22		
27 15 13 00-0033	MLF	12 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,156.38	1,536.61	
		<i>For Work In Restricted Working Space, Add</i>	768.36		
27 15 13 00-0034	MLF	24 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	6,176.40	2,270.07	
		<i>For Work In Restricted Working Space, Add</i>	1,135.09		
27 15 13 00-0035 #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0002)					
27 15 13 00-0036	MLF	1 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,386.28	730.25	
		<i>For Work In Restricted Working Space, Add</i>	364.80		
27 15 13 00-0037	MLF	2 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,574.17	755.97	
		<i>For Work In Restricted Working Space, Add</i>	377.99		
27 15 13 00-0038	MLF	3 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,741.69	781.71	
		<i>For Work In Restricted Working Space, Add</i>	391.18		
27 15 13 00-0039	MLF	4 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,916.98	808.52	
		<i>For Work In Restricted Working Space, Add</i>	404.37		
27 15 13 00-0040	MLF	5 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,131.67	863.20	
		<i>For Work In Restricted Working Space, Add</i>	431.71		
27 15 13 00-0041	MLF	6 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,331.31	916.82	
		<i>For Work In Restricted Working Space, Add</i>	458.73		
27 15 13 00-0042	MLF	8 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,555.09	1,026.20	
		<i>For Work In Restricted Working Space, Add</i>	513.10		
27 15 13 00-0043	MLF	12 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,380.33	1,352.18	
		<i>For Work In Restricted Working Space, Add</i>	676.19		
27 15 13 00-0044	MLF	24 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,019.02	1,997.71	
		<i>For Work In Restricted Working Space, Add</i>	998.85		

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

27 15 13 00-0045	#20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0002)			
27 15 13 00-0046	MLF 1 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,236.40	663.76	
	For Work In Restricted Working Space, Add	331.67		
27 15 13 00-0047	MLF 2 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,387.41	687.35	
	For Work In Restricted Working Space, Add	343.57		
27 15 13 00-0048	MLF 3 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,521.32	711.48	
	For Work In Restricted Working Space, Add	355.47		
27 15 13 00-0049	MLF 4 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,661.77	735.60	
	For Work In Restricted Working Space, Add	367.69		
27 15 13 00-0050	MLF 5 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,839.96	784.93	
	For Work In Restricted Working Space, Add	392.30		
27 15 13 00-0051	MLF 6 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,006.17	834.26	
	For Work In Restricted Working Space, Add	416.91		
27 15 13 00-0052	MLF 8 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,213.48	932.91	
	For Work In Restricted Working Space, Add	466.46		
27 15 13 00-0053	MLF 12 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,914.76	1,229.94	
	For Work In Restricted Working Space, Add	614.75		
27 15 13 00-0054	MLF 24 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,325.47	1,816.48	
	For Work In Restricted Working Space, Add	908.13		
27 15 13 00-0055	MLF 25 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,543.85	1,859.38	
	For Work In Restricted Working Space, Add	929.69		
27 15 13 00-0056	MLF 36 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,378.82	2,164.99	
	For Work In Restricted Working Space, Add	1,082.50		
27 15 13 00-0057	MLF 40 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,767.24	2,317.26	
	For Work In Restricted Working Space, Add	1,158.73		
27 15 13 00-0058	MLF 50 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,983.59	2,896.30	
	For Work In Restricted Working Space, Add	1,447.93		
27 15 13 00-0059	MLF 100 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	9,407.03	3,813.12	
	For Work In Restricted Working Space, Add	1,906.34		
27 15 13 00-0060	#22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0002)			
27 15 13 00-0061	MLF 1 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,063.55	597.28	
	For Work In Restricted Working Space, Add	298.53		
27 15 13 00-0062	MLF 2 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,124.15	618.72	
	For Work In Restricted Working Space, Add	309.14		
27 15 13 00-0063	MLF 3 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,195.45	640.17	
	For Work In Restricted Working Space, Add	320.09		
27 15 13 00-0064	MLF 4 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,271.53	661.62	
	For Work In Restricted Working Space, Add	331.02		
27 15 13 00-0065	MLF 5 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,393.07	706.65	
	For Work In Restricted Working Space, Add	353.22		
27 15 13 00-0066	MLF 6 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,514.23	748.47	
	For Work In Restricted Working Space, Add	374.45		
27 15 13 00-0067	Triad (27 15 13 00-0002)			
27 15 13 00-0068	MLF 1 Triad #16 AWG, Stranded, Low Voltage, Installed In Conduit	3,022.45	888.94	
27 15 13 00-0069	MLF 4 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit	3,903.00	1,229.94	
27 15 13 00-0070	MLF 8 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit	6,149.34	1,816.48	
27 15 13 00-0071	MLF 12 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit	7,706.25	2,164.99	
27 15 13 00-0072	MLF 24 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit	12,712.51	3,354.18	
27 15 13 00-0073	MLF 36 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit	14,647.87	3,813.12	
27 15 13 00-0074	Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed (27 15 13 00-0001)			
27 15 13 00-0075	#12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed (27 15 13 00-0074)			
27 15 13 00-0076	MLF 1 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,825.52	2,123.17	
	For #10 AWG, Add	802.36		
	For Work In Restricted Working Space, Add	1,061.67		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0077	MLF	2 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed			
		Exposed	4,193.70	2,198.23	
		For #10 AWG, Add	907.50		
		For Work In Restricted Working Space, Add	1,099.44		
27 15 13 00-0078	MLF	3 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed			
		Exposed	4,528.18	2,275.44	
		For #10 AWG, Add	1,001.43		
		For Work In Restricted Working Space, Add	1,137.39		
27 15 13 00-0079	MLF	4 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed			
		Exposed	4,880.18	2,352.64	
		For #10 AWG, Add	1,100.57		
		For Work In Restricted Working Space, Add	1,176.68		
27 15 13 00-0080	MLF	5 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed			
		Exposed	5,352.67	2,511.34	
		For #10 AWG, Add	1,222.10		
		For Work In Restricted Working Space, Add	1,256.04		
27 15 13 00-0081	MLF	6 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed			
		Exposed	5,797.95	2,667.90	
		For #10 AWG, Add	1,335.13		
		For Work In Restricted Working Space, Add	1,334.30		
27 15 13 00-0082	MLF	8 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed			
		Exposed	6,396.49	2,985.30	
		For #10 AWG, Add	1,464.15		
		For Work In Restricted Working Space, Add	1,492.37		
27 15 13 00-0083	MLF	12 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed			
		Exposed	8,453.57	3,935.36	
		For #10 AWG, Add	1,937.18		
		For Work In Restricted Working Space, Add	1,967.30		
27 15 13 00-0084	MLF	24 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed			
		Exposed	12,527.85	5,811.90	
		For #10 AWG, Add	2,875.27		
		For Work In Restricted Working Space, Add	2,905.20		
27 15 13 00-0085 #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed (27 15 13 00-0074)					
27 15 13 00-0086	MLF	1 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed			
		Exposed	3,368.53	1,857.23	
		For Work In Restricted Working Space, Add	928.40		
27 15 13 00-0087	MLF	2 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed			
		Exposed	3,711.54	1,923.72	
		For Work In Restricted Working Space, Add	961.86		
27 15 13 00-0088	MLF	3 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed			
		Exposed	4,021.76	1,990.20	
		For Work In Restricted Working Space, Add	995.31		
27 15 13 00-0089	MLF	4 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed			
		Exposed	4,346.64	2,058.83	
		For Work In Restricted Working Space, Add	1,029.41		
27 15 13 00-0090	MLF	5 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed			
		Exposed	4,776.95	2,198.23	
		For Work In Restricted Working Space, Add	1,098.90		
27 15 13 00-0091	MLF	6 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed			
		Exposed	5,180.47	2,335.48	
		For Work In Restricted Working Space, Add	1,167.10		
27 15 13 00-0092	MLF	8 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed			
		Exposed	5,712.17	2,612.14	
		For Work In Restricted Working Space, Add	1,306.07		
27 15 13 00-0093	MLF	12 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed			
		Exposed	7,548.29	3,442.11	
		For Work In Restricted Working Space, Add	1,721.05		
27 15 13 00-0094	MLF	24 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed			
		Exposed	11,192.72	5,084.88	
		For Work In Restricted Working Space, Add	2,542.65		
27 15 13 00-0095 #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed (27 15 13 00-0074)					
27 15 13 00-0096	MLF	1 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed			
		Exposed	3,005.56	1,657.79	
		For Work In Restricted Working Space, Add	829.32		
27 15 13 00-0097	MLF	2 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed			
		Exposed	3,250.02	1,717.84	
		For Work In Restricted Working Space, Add	858.92		
27 15 13 00-0098	MLF	3 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed			
		Exposed	3,581.70	1,777.88	
		For Work In Restricted Working Space, Add	888.51		
27 15 13 00-0099	MLF	4 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed			
		Exposed	3,870.63	1,837.93	
		For Work In Restricted Working Space, Add	919.40		
27 15 13 00-0100	MLF	5 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed			
		Exposed	4,251.49	1,962.32	
		For Work In Restricted Working Space, Add	981.16		
27 15 13 00-0101	MLF	6 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed			
		Exposed	4,610.38	2,084.57	
		For Work In Restricted Working Space, Add	1,042.28		
27 15 13 00-0102	MLF	7 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed			
		Exposed	4,846.40	2,208.95	
		For Work In Restricted Working Space, Add	1,104.05		

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST		
27 15 13 00-0103	MLF 8 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	5,084.58		2,333.34	
	For Work In Restricted Working Space, Add	1,166.46			
27 15 13 00-0104	MLF 9 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	5,530.60		2,481.32	
	For Work In Restricted Working Space, Add	1,240.44			
27 15 13 00-0105	MLF 12 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	6,717.58		3,073.23	
	For Work In Restricted Working Space, Add	1,536.72			
27 15 13 00-0106	MLF 24 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	9,960.04		4,540.15	
	For Work In Restricted Working Space, Add	2,270.18			
27 15 13 00-0107	#18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed (27 15 13 00-0074)				
27 15 13 00-0108	MLF 1 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,602.27		1,460.48	
	For Work In Restricted Working Space, Add	729.60			
27 15 13 00-0109	MLF 2 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,834.14		1,511.96	
	For Work In Restricted Working Space, Add	755.98			
27 15 13 00-0110	MLF 3 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,045.62		1,563.42	
	For Work In Restricted Working Space, Add	782.36			
27 15 13 00-0111	MLF 4 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,264.87		1,617.04	
	For Work In Restricted Working Space, Add	808.73			
27 15 13 00-0112	MLF 5 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,570.71		1,726.42	
	For Work In Restricted Working Space, Add	863.42			
27 15 13 00-0113	MLF 6 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,860.42		1,833.64	
	For Work In Restricted Working Space, Add	917.47			
27 15 13 00-0114	MLF 8 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,265.42		2,052.39	
	For Work In Restricted Working Space, Add	1,026.20			
27 15 13 00-0115	MLF 12 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	5,634.32		2,704.35	
	For Work In Restricted Working Space, Add	1,352.39			
27 15 13 00-0116	MLF 24 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	8,348.52		3,995.41	
	For Work In Restricted Working Space, Add	1,997.70			
27 15 13 00-0117	#20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed (27 15 13 00-0074)				
27 15 13 00-0118	MLF 1 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,341.95		1,327.51	
	For Work In Restricted Working Space, Add	663.33			
27 15 13 00-0119	MLF 2 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,532.64		1,374.70	
	For Work In Restricted Working Space, Add	687.14			
27 15 13 00-0120	MLF 3 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,706.22		1,422.95	
	For Work In Restricted Working Space, Add	710.94			
27 15 13 00-0121	MLF 4 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,887.42		1,471.21	
	For Work In Restricted Working Space, Add	735.39			
27 15 13 00-0122	MLF 5 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,147.64		1,569.86	
	For Work In Restricted Working Space, Add	784.61			
27 15 13 00-0123	MLF 6 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,395.89		1,668.51	
	For Work In Restricted Working Space, Add	833.83			
27 15 13 00-0124	MLF 8 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,768.32		1,865.81	
	For Work In Restricted Working Space, Add	932.91			
27 15 13 00-0125	MLF 12 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,963.94		2,459.87	
	For Work In Restricted Working Space, Add	1,229.51			
27 15 13 00-0126	MLF 24 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	7,352.58		3,632.98	
	For Work In Restricted Working Space, Add	1,816.27			
27 15 13 00-0127	MLF 25 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	7,642.79		3,718.75	
	For Work In Restricted Working Space, Add	1,859.37			
27 15 13 00-0128	MLF 36 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	8,987.15		4,329.98	
	For Work In Restricted Working Space, Add	2,165.00			
27 15 13 00-0129	MLF 40 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	9,629.68		4,634.50	
	For Work In Restricted Working Space, Add	2,317.46			
27 15 13 00-0130	MLF 50 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	11,810.02		5,792.60	
	For Work In Restricted Working Space, Add	2,895.86			
27 15 13 00-0131	MLF 100 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	15,761.47		7,626.24	
	For Work In Restricted Working Space, Add	3,812.67			

			Communications	27	27
			Structured Cabling	27 10	
			Communications Horizontal Cabling	27 15	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

27 15 13 00-0132 #22 AWG, Shielded, Low Voltage Cable, Installed Exposed (27 15 13 00-0074)					
27 15 13 00-0133	MLF	1 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,058.65	1,194.55	
		For Work In Restricted Working Space, Add	597.06		
27 15 13 00-0134	MLF	2 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,154.65	1,237.45	
		For Work In Restricted Working Space, Add	618.29		
27 15 13 00-0135	MLF	3 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,262.39	1,280.34	
		For Work In Restricted Working Space, Add	640.17		
27 15 13 00-0136	MLF	4 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,374.94	1,323.23	
		For Work In Restricted Working Space, Add	662.04		
27 15 13 00-0137	MLF	5 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,570.47	1,413.30	
		For Work In Restricted Working Space, Add	706.44		
27 15 13 00-0138	MLF	6 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,762.40	1,496.94	
		For Work In Restricted Working Space, Add	748.90		
27 15 13 00-0139 Triad, Installed Exposed (27 15 13 00-0074)					
27 15 13 00-0140	MLF	1 Triad, #16 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	3,022.45	888.94	
27 15 13 00-0141	MLF	4 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	3,903.00	1,229.94	
27 15 13 00-0142	MLF	8 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	6,149.34	1,816.48	
27 15 13 00-0143	MLF	12 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	7,706.25	2,164.99	
27 15 13 00-0144	MLF	24 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	12,712.51	3,354.18	
27 15 13 00-0145	MLF	36 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	14,647.87	3,813.12	
27 15 13 00-0146 Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0001)					
27 15 13 00-0147 #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0146)					
27 15 13 00-0148	MLF	1 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,761.47	928.62	
		For Work In Restricted Working Space, Add	464.20		
27 15 13 00-0149	MLF	2 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,998.23	961.86	
		For Work In Restricted Working Space, Add	480.93		
27 15 13 00-0150	MLF	3 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,209.38	995.10	
		For Work In Restricted Working Space, Add	497.66		
27 15 13 00-0151	MLF	4 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,431.35	1,029.41	
		For Work In Restricted Working Space, Add	514.71		
27 15 13 00-0152	MLF	5 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,700.39	1,098.04	
		For Work In Restricted Working Space, Add	548.81		
27 15 13 00-0153	MLF	6 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,952.89	1,166.67	
		For Work In Restricted Working Space, Add	583.23		
27 15 13 00-0154	MLF	8 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,239.10	1,306.07	
		For Work In Restricted Working Space, Add	653.03		
27 15 13 00-0155	MLF	12 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,284.84	1,721.05	
		For Work In Restricted Working Space, Add	860.52		
27 15 13 00-0156	MLF	24 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,362.40	2,542.44	
		For Work In Restricted Working Space, Add	1,271.33		
27 15 13 00-0157 #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0146)					
27 15 13 00-0158	MLF	1 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,570.76	828.89	
		For Work In Restricted Working Space, Add	414.66		
27 15 13 00-0159	MLF	2 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,779.48	858.91	
		For Work In Restricted Working Space, Add	429.46		
27 15 13 00-0160	MLF	3 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,965.63	888.94	
		For Work In Restricted Working Space, Add	444.26		
27 15 13 00-0161	MLF	4 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,162.54	918.97	
		For Work In Restricted Working Space, Add	459.70		
27 15 13 00-0162	MLF	5 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,401.23	980.09	
		For Work In Restricted Working Space, Add	490.26		
27 15 13 00-0163	MLF	6 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,625.49	1,042.28	
		For Work In Restricted Working Space, Add	521.14		

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
27 15 13 00-0164	MLF 7 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,752.00		1,104.48	
	<i>For Work In Restricted Working Space, Add</i>	552.02			
27 15 13 00-0165	MLF 8 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,940.04		1,166.67	
	<i>For Work In Restricted Working Space, Add</i>	583.23			
27 15 13 00-0166	MLF 9 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,229.24		1,240.65	
	<i>For Work In Restricted Working Space, Add</i>	620.19			
27 15 13 00-0167	MLF 12 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,808.52		1,536.61	
	<i>For Work In Restricted Working Space, Add</i>	768.36			
27 15 13 00-0168	MLF 24 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,655.12		2,270.07	
	<i>For Work In Restricted Working Space, Add</i>	1,135.25			
27 15 13 00-0169 #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0146)					
27 15 13 00-0170	MLF 1 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,373.37		729.17	
	<i>For Work In Restricted Working Space, Add</i>	364.80			
27 15 13 00-0171	MLF 2 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,542.14		755.97	
	<i>For Work In Restricted Working Space, Add</i>	377.99			
27 15 13 00-0172	MLF 3 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,651.22		782.78	
	<i>For Work In Restricted Working Space, Add</i>	391.18			
27 15 13 00-0173	MLF 4 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,792.88		808.52	
	<i>For Work In Restricted Working Space, Add</i>	404.37			
27 15 13 00-0174	MLF 5 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,970.84		863.20	
	<i>For Work In Restricted Working Space, Add</i>	431.71			
27 15 13 00-0175	MLF 6 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,147.75		917.90	
	<i>For Work In Restricted Working Space, Add</i>	458.73			
27 15 13 00-0176	MLF 8 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,556.89		1,026.20	
	<i>For Work In Restricted Working Space, Add</i>	513.10			
27 15 13 00-0177	MLF 12 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,327.82		1,352.18	
	<i>For Work In Restricted Working Space, Add</i>	676.19			
27 15 13 00-0178	MLF 24 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,502.36		1,997.71	
	<i>For Work In Restricted Working Space, Add</i>	998.85			
27 15 13 00-0179 #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0146)					
27 15 13 00-0180	MLF 1 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,216.64		663.76	
	<i>For Work In Restricted Working Space, Add</i>	331.67			
27 15 13 00-0181	MLF 2 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,334.59		687.35	
	<i>For Work In Restricted Working Space, Add</i>	343.57			
27 15 13 00-0182	MLF 3 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,566.97		782.78	
	<i>For Work In Restricted Working Space, Add</i>	391.18			
27 15 13 00-0183	MLF 4 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,712.50		822.89	
	<i>For Work In Restricted Working Space, Add</i>	411.44			
27 15 13 00-0184	MLF 5 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,855.23		863.20	
	<i>For Work In Restricted Working Space, Add</i>	431.71			
27 15 13 00-0185	MLF 6 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,011.14		917.90	
	<i>For Work In Restricted Working Space, Add</i>	458.73			
27 15 13 00-0186	MLF 8 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,217.82		1,021.48	
	<i>For Work In Restricted Working Space, Add</i>	510.85			
27 15 13 00-0187	MLF 12 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,725.99		1,229.94	
	<i>For Work In Restricted Working Space, Add</i>	614.75			
27 15 13 00-0188	MLF 24 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,042.33		1,816.48	
	<i>For Work In Restricted Working Space, Add</i>	908.13			
27 15 13 00-0189	MLF 25 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,228.75		1,859.38	
	<i>For Work In Restricted Working Space, Add</i>	929.69			
27 15 13 00-0190	MLF 36 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,992.71		2,164.99	
	<i>For Work In Restricted Working Space, Add</i>	1,082.50			
27 15 13 00-0191	MLF 40 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,351.84		2,317.26	
	<i>For Work In Restricted Working Space, Add</i>	1,158.73			
27 15 13 00-0192	MLF 50 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	6,513.16		2,896.30	
	<i>For Work In Restricted Working Space, Add</i>	1,447.93			

Cal Poly Humboldt.			Communications 27		27
2			Structured Cabling 27 10		
			Communications Horizontal Cabling 27 15		
MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
27 15 13 00-0193	MLF	100 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... For Work In Restricted Working Space, Add	8,741.33 1,906.34		3,813.12
27 15 13 00-0194		#22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0146)			
27 15 13 00-0195	MLF	1 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... For Work In Restricted Working Space, Add	1,068.75 298.53		597.28
27 15 13 00-0196	MLF	2 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... For Work In Restricted Working Space, Add	1,131.26 309.14		618.72
27 15 13 00-0197	MLF	3 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... For Work In Restricted Working Space, Add	1,210.25 320.09		640.17
27 15 13 00-0198	MLF	4 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... For Work In Restricted Working Space, Add	1,295.51 331.02		661.62
27 15 13 00-0199	MLF	5 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... For Work In Restricted Working Space, Add	1,415.17 353.22		706.65
27 15 13 00-0200	MLF	6 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... For Work In Restricted Working Space, Add	1,541.48 374.45		748.47
27 15 13 00-0201		Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed (27 15 13 00-0001)			
27 15 13 00-0202		#14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed (27 15 13 00-0201)			
27 15 13 00-0203	MLF	1 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed..... For Work In Restricted Working Space, Add	3,308.81 928.40		1,857.23
27 15 13 00-0204	MLF	2 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed..... For Work In Restricted Working Space, Add	3,601.34 961.86		1,923.72
27 15 13 00-0205	MLF	3 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed..... For Work In Restricted Working Space, Add	3,868.23 995.31		1,990.20
27 15 13 00-0206	MLF	4 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed..... For Work In Restricted Working Space, Add	4,147.04 1,029.41		2,058.83
27 15 13 00-0207	MLF	5 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed..... For Work In Restricted Working Space, Add	4,529.74 1,097.61		2,196.08
27 15 13 00-0208	MLF	6 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed..... For Work In Restricted Working Space, Add	4,896.99 1,166.46		2,333.34
27 15 13 00-0209	MLF	8 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed..... For Work In Restricted Working Space, Add	5,415.89 1,306.07		2,612.14
27 15 13 00-0210	MLF	12 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed..... For Work In Restricted Working Space, Add	7,153.25 1,721.05		3,442.11
27 15 13 00-0211	MLF	24 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed..... For Work In Restricted Working Space, Add	10,600.16 2,542.65		5,084.88
27 15 13 00-0212		#16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed (27 15 13 00-0201)			
27 15 13 00-0213	MLF	1 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed..... For Work In Restricted Working Space, Add	2,952.97 829.32		1,657.79
27 15 13 00-0214	MLF	2 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed..... For Work In Restricted Working Space, Add	3,211.02 858.92		1,717.84
27 15 13 00-0215	MLF	3 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed..... For Work In Restricted Working Space, Add	3,446.49 888.51		1,777.88
27 15 13 00-0216	MLF	4 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed..... For Work In Restricted Working Space, Add	3,694.86 919.40		1,837.93
27 15 13 00-0217	MLF	5 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed..... For Work In Restricted Working Space, Add	4,035.42 980.52		1,960.18
27 15 13 00-0218	MLF	6 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed..... For Work In Restricted Working Space, Add	4,362.62 1,042.28		2,084.57
27 15 13 00-0219	MLF	7 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed..... For Work In Restricted Working Space, Add	4,592.07 1,104.05		2,208.95
27 15 13 00-0220	MLF	8 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed..... For Work In Restricted Working Space, Add	4,884.14 1,166.46		2,333.34

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
27 15 13 00-0221	MLF 9 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	5,296.54	2,481.32	1,240.38	
27 15 13 00-0222	MLF 12 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	6,369.71	3,073.23	1,536.72	
27 15 13 00-0223	MLF 24 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	9,439.28	4,540.15	2,270.50	
27 15 13 00-0224 #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed (27 15 13 00-0201)					
27 15 13 00-0225	MLF 1 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,589.36	1,458.33	729.60	
27 15 13 00-0226	MLF 2 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,802.11	1,511.96	755.98	
27 15 13 00-0227	MLF 3 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,955.15	1,565.57	782.36	
27 15 13 00-0228	MLF 4 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	3,140.77	1,617.04	808.73	
27 15 13 00-0229	MLF 5 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	3,409.88	1,726.42	863.42	
27 15 13 00-0230	MLF 6 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	3,676.86	1,835.78	917.47	
27 15 13 00-0231	MLF 8 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	4,267.22	2,052.39	1,026.20	
27 15 13 00-0232	MLF 12 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	5,581.81	2,704.35	1,352.39	
27 15 13 00-0233	MLF 24 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	7,831.86	3,995.41	1,997.70	
27 15 13 00-0234 #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed (27 15 13 00-0201)					
27 15 13 00-0235	MLF 1 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,322.19	1,327.51	663.33	
27 15 13 00-0236	MLF 2 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,479.82	1,374.70	687.14	
27 15 13 00-0237	MLF 3 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,870.90	1,565.57	782.36	
27 15 13 00-0238	MLF 4 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	3,083.98	1,645.78	822.89	
27 15 13 00-0239	MLF 5 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	3,294.27	1,726.42	863.42	
27 15 13 00-0240	MLF 6 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	3,540.25	1,835.78	917.47	
27 15 13 00-0241	MLF 8 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	3,920.63	2,042.96	1,021.69	
27 15 13 00-0242	MLF 12 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	4,775.17	2,459.87	1,229.51	
27 15 13 00-0243	MLF 24 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	7,069.44	3,632.98	1,816.27	
27 15 13 00-0244	MLF 25 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	7,327.69	3,718.75	1,859.37	
27 15 13 00-0245	MLF 36 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	8,601.04	4,329.98	2,165.00	
27 15 13 00-0246	MLF 40 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	9,214.28	4,634.50	2,317.46	
27 15 13 00-0247	MLF 50 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	11,339.59	5,792.60	2,895.86	
27 15 13 00-0248	MLF 100 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	15,095.77	7,626.24	3,812.67	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 15 13 00-0249			#22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed (27 15 13 00-0201)		
27 15 13 00-0250	MLF	1 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,063.85	1,194.55	
		<i>For Work In Restricted Working Space, Add</i>	597.06		
27 15 13 00-0251	MLF	2 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,161.76	1,237.45	
		<i>For Work In Restricted Working Space, Add</i>	618.29		
27 15 13 00-0252	MLF	3 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,277.19	1,280.34	
		<i>For Work In Restricted Working Space, Add</i>	640.17		
27 15 13 00-0253	MLF	4 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,398.92	1,323.23	
		<i>For Work In Restricted Working Space, Add</i>	662.04		
27 15 13 00-0254	MLF	5 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,592.57	1,413.30	
		<i>For Work In Restricted Working Space, Add</i>	706.44		
27 15 13 00-0255	MLF	6 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,789.65	1,496.94	
		<i>For Work In Restricted Working Space, Add</i>	748.90		
27 15 13 00-0256			Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench (27 15 13 00-0001)		
		Note: Excludes excavation.			
27 15 13 00-0257	MLF	1 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	1,686.03		
27 15 13 00-0258	MLF	2 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	1,967.08		
27 15 13 00-0259	MLF	3 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	2,216.64		
27 15 13 00-0260	MLF	4 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	2,480.25		
27 15 13 00-0261	MLF	5 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	2,784.32		
27 15 13 00-0262	MLF	6 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	3,064.84		
27 15 13 00-0263			Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial) (27 15 13 00-0001)		
27 15 13 00-0264	MLF	1 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	1,780.36	574.98	
27 15 13 00-0265	MLF	2 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	2,119.45	616.01	
27 15 13 00-0266	MLF	3 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	2,744.46	778.77	
27 15 13 00-0267	MLF	4 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	3,275.32	900.73	
27 15 13 00-0268	MLF	5 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	10,491.45	1,026.65	
27 15 13 00-0269	MLF	6 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	12,472.12	1,311.62	
27 15 13 00-0270			Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0001)		
27 15 13 00-0271	MLF	1 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,584.16	828.89	
27 15 13 00-0272	MLF	2 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,908.11	858.91	
27 15 13 00-0273	MLF	3 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,136.64	888.94	
27 15 13 00-0274	MLF	4 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,259.61	918.97	
27 15 13 00-0275	MLF	5 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,707.60	980.09	
27 15 13 00-0276	MLF	6 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,928.62	1,042.28	
27 15 13 00-0277	MLF	8 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,659.82	1,166.67	
27 15 13 00-0278	MLF	12 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,549.97	1,536.61	
27 15 13 00-0279	MLF	24 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,905.83	2,270.07	
27 15 13 00-0280	MLF	1 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,369.19	729.17	
27 15 13 00-0281	MLF	2 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,635.23	755.97	
27 15 13 00-0282	MLF	3 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,855.54	782.78	
27 15 13 00-0283	MLF	4 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,965.27	808.52	
27 15 13 00-0284	MLF	5 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,348.05	863.20	
27 15 13 00-0285	MLF	6 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,634.72	917.90	
27 15 13 00-0286	MLF	8 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,975.60	1,026.20	
27 15 13 00-0287	MLF	12 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,845.87	1,352.18	
27 15 13 00-0288	MLF	24 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,137.70	1,997.71	
27 15 13 00-0289	MLF	1 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,210.40	663.76	
27 15 13 00-0290	MLF	2 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,379.70	687.35	

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT
 UNIT COST
 DEMOLITION
 UNIT COST

27 15 13 00-0291	MLF	3 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,543.82	710.93
27 15 13 00-0292	MLF	4 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,647.90	735.60
27 15 13 00-0293	MLF	5 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,793.81	784.93
27 15 13 00-0294	MLF	6 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,957.67	834.26
27 15 13 00-0295	MLF	8 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,192.53	932.91
27 15 13 00-0296	MLF	12 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,021.43	1,229.94
27 15 13 00-0297	MLF	24 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,588.88	1,816.48
27 15 13 00-0298	MLF	25 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,836.86	1,859.38
27 15 13 00-0299	MLF	36 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,706.92	2,164.99
27 15 13 00-0300	MLF	40 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,153.70	2,317.26
27 15 13 00-0301	MLF	50 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	7,421.23	2,896.30
27 15 13 00-0302	MLF	100 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	10,026.34	3,813.12
27 15 13 00-0303	MLF	250 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	19,360.00	7,023.61
27 15 13 00-0304	MLF	500 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	29,172.93	9,294.75
27 15 13 00-0305	MLF	750 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	39,027.34	11,712.80
27 15 13 00-0306	MLF	1200 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	54,941.86	16,066.37
27 15 13 00-0307	MLF	1 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,172.62	663.76
27 15 13 00-0308	MLF	2 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,295.21	687.35
27 15 13 00-0309	MLF	3 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,414.50	710.93
27 15 13 00-0310	MLF	4 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,495.75	735.60
27 15 13 00-0311	MLF	5 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,618.84	784.93
27 15 13 00-0312	MLF	6 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,753.02	834.26
27 15 13 00-0313	MLF	8 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,962.75	932.91
27 15 13 00-0314	MLF	12 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,671.11	1,229.94
27 15 13 00-0315	MLF	24 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,026.14	1,816.48
27 15 13 00-0316	MLF	25 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,210.66	1,859.38
27 15 13 00-0317	MLF	36 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,970.64	2,164.99
27 15 13 00-0318	MLF	40 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,328.10	2,317.26
27 15 13 00-0319	MLF	50 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,486.26	2,896.30
27 15 13 00-0320	MLF	100 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	8,703.28	3,813.12
27 15 13 00-0321	MLF	250 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	16,560.05	7,023.61
27 15 13 00-0322	MLF	500 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	24,229.57	9,294.75
27 15 13 00-0323	MLF	750 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	31,981.12	11,712.80
27 15 13 00-0324	MLF	1200 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	44,769.35	16,066.37

27 15 13 00-0325 Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit

(27 15 13 00-0001)

27 15 13 00-0326	MLF	1 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,596.67	828.89
27 15 13 00-0327	MLF	2 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,816.08	858.91
27 15 13 00-0328	MLF	3 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,954.16	888.94
27 15 13 00-0329	MLF	4 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,137.69	918.97
27 15 13 00-0330	MLF	5 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,360.02	980.09
27 15 13 00-0331	MLF	6 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,580.22	1,042.28
27 15 13 00-0332	MLF	8 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,097.78	1,166.67
27 15 13 00-0333	MLF	12 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,026.04	1,536.61

MINOR			TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT	COST	UNIT COST
27 15 13 00-0334	MLF	24 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	6,002.79		2,270.07
27 15 13 00-0335	MLF	1 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,398.30		729.17
27 15 13 00-0336	MLF	2 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,586.83		755.97
27 15 13 00-0337	MLF	3 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,706.23		782.78
27 15 13 00-0338	MLF	4 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,863.36		808.52
27 15 13 00-0339	MLF	5 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,055.08		863.20
27 15 13 00-0340	MLF	6 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,245.73		917.90
27 15 13 00-0341	MLF	8 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,690.97		1,026.20
27 15 13 00-0342	MLF	12 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,498.64		1,352.18
27 15 13 00-0343	MLF	24 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,215.34		1,997.71
27 15 13 00-0344	MLF	1 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,234.23		663.76
27 15 13 00-0345	MLF	2 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,396.66		687.35
27 15 13 00-0346	MLF	3 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,511.78		710.93
27 15 13 00-0347	MLF	4 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,717.28		735.60
27 15 13 00-0348	MLF	5 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,902.80		784.93
27 15 13 00-0349	MLF	6 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,251.12		834.26
27 15 13 00-0350	MLF	8 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,516.26		932.91
27 15 13 00-0351	MLF	12 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,188.08		1,229.94
27 15 13 00-0352	MLF	24 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,802.01		1,816.48
27 15 13 00-0353	MLF	25 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,072.99		1,859.38
27 15 13 00-0354	MLF	36 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	6,027.39		2,164.99
27 15 13 00-0355	MLF	40 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	6,465.01		2,317.26
27 15 13 00-0356	MLF	50 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	7,773.78		2,896.30
27 15 13 00-0357	MLF	100 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	10,525.24		3,813.12
27 15 13 00-0358	MLF	250 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	20,416.52		7,023.61
27 15 13 00-0359	MLF	500 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	31,037.89		9,294.75
27 15 13 00-0360	MLF	750 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	41,685.28		11,712.80
27 15 13 00-0361	MLF	1200 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	58,778.98		16,065.29
27 15 13 00-0362	MLF	1 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,187.86		663.76
27 15 13 00-0363	MLF	2 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,306.07		687.35
27 15 13 00-0364	MLF	3 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,394.00		710.93
27 15 13 00-0365	MLF	4 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,540.13		735.60
27 15 13 00-0366	MLF	5 Pair #22 AWG, Solid, Low Voltage, Plenum Rated, Non-Shielded, Installed In Conduit.....	1,688.56		784.93
27 15 13 00-0367	MLF	6 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,940.74		834.26
27 15 13 00-0368	MLF	8 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,169.85		932.91
27 15 13 00-0369	MLF	12 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,777.71		1,229.94
27 15 13 00-0370	MLF	24 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,162.48		1,816.48
27 15 13 00-0371	MLF	25 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,361.70		1,859.38
27 15 13 00-0372	MLF	36 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,155.74		2,164.99
27 15 13 00-0373	MLF	40 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,527.24		2,317.26
27 15 13 00-0374	MLF	50 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	6,711.78		2,896.30
27 15 13 00-0375	MLF	100 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	9,022.41		3,813.12
27 15 13 00-0376	MLF	250 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	17,235.84		7,023.61
27 15 13 00-0377	MLF	500 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	25,422.63		9,294.75
27 15 13 00-0378	MLF	750 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	33,681.89		11,712.80

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

27 15 13 00-0379	MLF	1200 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	47,224.86	16,066.37
27 15 13 00-0380	Copper Telecommunications Cable (27 15 13)			
27 15 13 00-0381	Indoor Telecommunications Cable (27 15 13 00-0380) Note: Shielded twisted pair cables (STP) includes a metallic foil wrap. Un-shielded twisted pair cables (UTP) excludes any shielding.			
27 15 13 00-0382	Category 3, Indoor Telecommunications Cable (27 15 13 00-0381) Note: Un-shielded twisted pair cables (UTP).			
27 15 13 00-0383	Category 3, Indoor Telecommunications Riser Cable (27 15 13 00-0382)			
27 15 13 00-0384	24 AWG, Category 3, Indoor Telecommunications Riser Cable (27 15 13 00-0383)			
27 15 13 00-0385	24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit (27 15 13 00-0384)			
27 15 13 00-0386	MLF	2-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	932.42	492.97
27 15 13 00-0387	MLF	3-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	979.71	492.97
27 15 13 00-0388	MLF	4-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	996.42	492.97
27 15 13 00-0389	MLF	6-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	1,207.87	563.39
27 15 13 00-0390	MLF	12-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	1,555.98	563.39
27 15 13 00-0391	MLF	25-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	2,108.71	563.39
27 15 13 00-0392	MLF	50-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	3,388.51	704.24
27 15 13 00-0393	MLF	100-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	6,148.17	1,126.77
27 15 13 00-0394	MLF	150-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	8,359.93	1,267.62
27 15 13 00-0395	MLF	200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	11,144.97	1,408.47
27 15 13 00-0396	MLF	300-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	16,313.02	1,971.85
27 15 13 00-0397	MLF	400-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	21,401.60	2,436.65
27 15 13 00-0398	MLF	600-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	33,978.50	3,380.32
27 15 13 00-0399	MLF	900-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	55,017.00	6,760.64
27 15 13 00-0400	MLF	1,200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	74,669.06	10,140.96
27 15 13 00-0401	24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed (27 15 13 00-0384)			
27 15 13 00-0402	MLF	2-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	1,754.02	985.93
		<i>For Work In Restricted Working Space, Add</i>	492.96	
27 15 13 00-0403	MLF	3-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	1,801.31	985.93
		<i>For Work In Restricted Working Space, Add</i>	492.96	
27 15 13 00-0404	MLF	4-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	1,818.02	985.93
		<i>For Work In Restricted Working Space, Add</i>	492.96	
27 15 13 00-0405	MLF	6-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	1,912.11	985.93
		<i>For Work In Restricted Working Space, Add</i>	492.96	
27 15 13 00-0406	MLF	12-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	2,260.22	985.93
		<i>For Work In Restricted Working Space, Add</i>	492.96	
27 15 13 00-0407	MLF	25-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	3,047.70	1,126.77
		<i>For Work In Restricted Working Space, Add</i>	563.39	
27 15 13 00-0408	MLF	50-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	4,562.24	1,408.47
		<i>For Work In Restricted Working Space, Add</i>	704.24	
27 15 13 00-0409	MLF	100-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	7,087.14	1,690.16
		<i>For Work In Restricted Working Space, Add</i>	845.08	
27 15 13 00-0410	MLF	150-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	9,416.28	1,901.43
		<i>For Work In Restricted Working Space, Add</i>	950.72	
27 15 13 00-0411	MLF	200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	12,318.69	2,112.70
		<i>For Work In Restricted Working Space, Add</i>	1,056.35	
27 15 13 00-0412	MLF	300-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	17,956.23	2,957.78
		<i>For Work In Restricted Working Space, Add</i>	1,478.89	
27 15 13 00-0413	MLF	400-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	23,443.87	3,662.01
		<i>For Work In Restricted Working Space, Add</i>	1,831.01	
27 15 13 00-0414	MLF	600-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	36,795.43	5,070.48
		<i>For Work In Restricted Working Space, Add</i>	2,535.24	
27 15 13 00-0415	MLF	900-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	60,650.87	10,140.96
		<i>For Work In Restricted Working Space, Add</i>	5,070.48	
27 15 13 00-0416	MLF	1,200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	83,119.87	15,211.44
		<i>For Work In Restricted Working Space, Add</i>	7,605.72	
27 15 13 00-0417	22 AWG, Category 3, Indoor Telecommunications Riser Cable (27 15 13 00-0383)			
27 15 13 00-0418	22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit (27 15 13 00-0417)			
27 15 13 00-0419	MLF	25-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	3,485.43	563.39
27 15 13 00-0420	MLF	50-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	5,215.89	704.24
27 15 13 00-0421	MLF	100-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	9,554.59	1,126.77
27 15 13 00-0422	MLF	200-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	17,078.29	1,408.47
27 15 13 00-0423	MLF	300-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	25,136.76	1,971.85
27 15 13 00-0424	MLF	400-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	32,766.38	2,436.65
27 15 13 00-0425	MLF	600-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	48,623.71	3,380.32
27 15 13 00-0426	22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed (27 15 13 00-0417)			
27 15 13 00-0427	MLF	25-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	4,424.42	1,126.77
		<i>For Work In Restricted Working Space, Add</i>	563.39	

		Communications	27	27
		Structured Cabling	27 10	
		Communications Horizontal Cabling	27 15	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0428	MLF	50-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	6,389.62 704.24	1,408.47
27 15 13 00-0429	MLF	100-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	10,493.56 845.08	1,690.16
27 15 13 00-0430	MLF	200-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	18,252.01 1,056.35	2,112.70
27 15 13 00-0431	MLF	300-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	26,779.97 1,478.89	2,957.78
27 15 13 00-0432	MLF	400-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	34,808.65 1,831.01	3,662.01
27 15 13 00-0433	MLF	600-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	51,440.64 2,535.24	5,070.48
27 15 13 00-0434		Category 3, Indoor Telecommunications Plenum Cable (27 15 13 00-0382)		
27 15 13 00-0435		24 AWG, Category 3, Indoor Telecommunications Plenum Cable (27 15 13 00-0434)		
27 15 13 00-0436		24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit (27 15 13 00-0435)		
27 15 13 00-0437	MLF	2-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	970.66	492.97
27 15 13 00-0438	MLF	3-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,017.76	492.97
27 15 13 00-0439	MLF	4-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,052.98	492.97
27 15 13 00-0440	MLF	6-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,271.39	563.39
27 15 13 00-0441	MLF	12-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,650.85	563.39
27 15 13 00-0442	MLF	25-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	2,679.44	563.39
27 15 13 00-0443	MLF	50-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	4,550.47	704.24
27 15 13 00-0444	MLF	100-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	8,582.78	1,126.77
27 15 13 00-0445	MLF	200-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	14,960.15	1,408.47
27 15 13 00-0446	MLF	300-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	22,444.56	1,971.85
27 15 13 00-0447		24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed (27 15 13 00-0435)		
27 15 13 00-0448	MLF	2-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,792.26 492.96	985.93
27 15 13 00-0449	MLF	3-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,839.36 492.96	985.93
27 15 13 00-0450	MLF	4-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,874.58 492.96	985.93
27 15 13 00-0451	MLF	6-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,975.63 492.96	985.93
27 15 13 00-0452	MLF	12-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,355.09 492.96	985.93
27 15 13 00-0453	MLF	25-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	3,618.43 563.39	1,126.77
27 15 13 00-0454	MLF	50-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	5,724.20 704.24	1,408.47
27 15 13 00-0455	MLF	100-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	9,521.75 845.08	1,690.16
27 15 13 00-0456	MLF	200-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	16,133.87 1,056.35	2,112.70
27 15 13 00-0457	MLF	300-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	24,087.77 1,478.89	2,957.78
27 15 13 00-0458		Category 5E, Indoor Telecommunications Cable (27 15 13 00-0381)		
27 15 13 00-0459		Category 5E, Indoor Telecommunications Riser Cable (27 15 13 00-0458)		
27 15 13 00-0460		Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit (27 15 13 00-0459)		
27 15 13 00-0461	MLF	4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit.....	952.32	492.97
27 15 13 00-0462	MLF	4-Pair Stranded UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit	982.94	492.97
27 15 13 00-0463	MLF	4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,100.88	563.39
27 15 13 00-0464	MLF	4-Pair Stranded STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit	1,131.49	563.39
27 15 13 00-0465		Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed (27 15 13 00-0459)		
27 15 13 00-0466	MLF	4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,773.92 492.96	985.93
27 15 13 00-0467	MLF	4-Pair Stranded UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,804.54 492.96	985.93
27 15 13 00-0468	MLF	4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,039.87 563.39	1,126.77
27 15 13 00-0469	MLF	4-Pair Stranded STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,070.48 563.39	1,126.77
27 15 13 00-0470		Category 5E, Indoor Telecommunications Plenum Cable (27 15 13 00-0458)		
27 15 13 00-0471		Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit (27 15 13 00-0470)		
27 15 13 00-0472	MLF	4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	1,064.91	492.97
27 15 13 00-0473	MLF	4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	1,421.50	563.39

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR		TOTAL DIRECT		DEMOLITION
CSI UOM DESCRIPTION		UNIT COST		UNIT COST
27 15 13 00-0474	Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed (27 15 13 00-0470)			
27 15 13 00-0475	MLF 4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,886.51 492.96		985.93
27 15 13 00-0476	MLF 4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,360.49 563.39		1,126.77
27 15 13 00-0477	Category 6, Indoor Telecommunications Cable (27 15 13 00-0381)			
27 15 13 00-0478	Category 6, Indoor Telecommunications Riser Cable (27 15 13 00-0477)			
27 15 13 00-0479	Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit (27 15 13 00-0478)			
27 15 13 00-0480	MLF 4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,135.48		492.97
27 15 13 00-0481	MLF 4-Pair Stranded UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,170.57		492.97
27 15 13 00-0482	Category 6, Indoor Telecommunications Riser Cable, Installed Exposed (27 15 13 00-0478)			
27 15 13 00-0483	MLF 4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,957.08 492.96		985.93
27 15 13 00-0484	MLF 4-Pair Stranded UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,992.17 492.96		985.93
27 15 13 00-0485	Category 6, Indoor Telecommunications Plenum Cable (27 15 13 00-0477)			
27 15 13 00-0486	Category 6, Indoor Telecommunications Plenum Cable, Installed In Conduit (27 15 13 00-0485)			
27 15 13 00-0487	MLF 4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	1,372.54		492.97
27 15 13 00-0488	Category 6, Indoor Telecommunications Plenum Cable, Installed Exposed (27 15 13 00-0485)			
27 15 13 00-0489	MLF 4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,194.14 492.96		985.93
27 15 13 00-0490	Category 6A, Indoor Telecommunications Cable (27 15 13 00-0381)			
27 15 13 00-0491	Category 6a, Indoor Telecommunications Riser Cable (27 15 13 00-0490)			
27 15 13 00-0492	Category 6a Indoor Telecommunications Riser Cable, Installed In Conduit (27 15 13 00-0491)			
27 15 13 00-0493	MLF 4-Pair Solid UTP, 23 AWG, Category 6A, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,191.55		492.97
27 15 13 00-0494	Category 6a, Indoor Telecommunications Riser Cable, Installed Exposed (27 15 13 00-0491)			
27 15 13 00-0495	MLF 4-Pair Solid UTP, 23 AWG, Category 6A, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,013.15 492.96		985.93
27 15 13 00-0496	Category 6A, Indoor Telecommunications Plenum Cable (27 15 13 00-0490)			
27 15 13 00-0497	Category 6A, Indoor Telecommunications Plenum Cable, Installed In Conduit (27 15 13 00-0496)			
27 15 13 00-0498	MLF 4-Pair Solid UTP, 23 AWG, Category 6A, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	1,515.73		492.97
27 15 13 00-0499	Category 6a, Indoor Telecommunications Plenum Cable, Installed Exposed (27 15 13 00-0496)			
27 15 13 00-0500	MLF 4-Pair Solid UTP, 23 AWG, Category 6A, Indoor Telecommunications Plenum Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,337.33 492.96		985.93
27 15 13 00-0501	Category 7, Indoor Telecommunications Cable (27 15 13 00-0381)			
27 15 13 00-0502	Category 7, Indoor Telecommunications Cable, Installed In Conduit (27 15 13 00- 0501)			
27 15 13 00-0503	MLF 4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Riser Cable, Installed In Conduit.....	2,365.12		563.39
27 15 13 00-0504	MLF 4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	3,942.51		563.39
27 15 13 00-0505	Category 7, Indoor Telecommunications Cable, Installed Exposed (27 15 13 00-0501)			
27 15 13 00-0506	MLF 4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	3,304.11 563.39		1,126.77
27 15 13 00-0507	MLF 4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	4,881.50 563.39		1,126.77
27 15 13 00-0508	Outdoor Telecommunications Cable (27 15 13 00-0380) Note: Cable buried in trench excludes excavation.			
27 15 13 00-0509	PE-89 Outdoor Telecommunications Cable (27 15 13 00-0508) Note: Includes foam-skin polyolefin insulated conductors.			
27 15 13 00-0510	24 AWG, PE-89 Outdoor Telecommunications Cable (27 15 13 00-0509)			
27 15 13 00-0511	24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit (27 15 13 00-0510)			

			Communications	27	27
			Structured Cabling	27 10	
			Communications Horizontal Cabling	27 15	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 15 13 00-0512	MLF 6-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	1,950.95	563.39
27 15 13 00-0513	MLF 12-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	2,378.99	985.93
27 15 13 00-0514	MLF 25-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	3,418.44	633.81
27 15 13 00-0515	MLF 50-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	5,292.42	704.24
27 15 13 00-0516	MLF 75-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	7,507.87	985.93
27 15 13 00-0517	MLF 100-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	9,492.64	1,126.77
27 15 13 00-0518	MLF 200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	16,562.06	1,267.62
27 15 13 00-0519	MLF 300-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	24,359.58	1,831.01
27 15 13 00-0520	MLF 400-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	32,290.12	2,394.40
27 15 13 00-0521	MLF 600-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	43,858.01	3,239.47
27 15 13 00-0522	MLF 900-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	68,726.21	6,478.95
27 15 13 00-0523	MLF 1,200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	93,652.33	9,577.57

27 15 13 00-0524 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench (27 15 13 00-0510)

27 15 13 00-0525	MLF 6-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	1,774.90	
27 15 13 00-0526	MLF 12-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	2,202.94	
27 15 13 00-0527	MLF 25-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	3,183.70	
27 15 13 00-0528	MLF 50-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	5,057.67	
27 15 13 00-0529	MLF 75-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	7,155.76	
27 15 13 00-0530	MLF 100-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	8,905.78	
27 15 13 00-0531	MLF 200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	16,327.32	
27 15 13 00-0532	MLF 300-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	23,655.35	
27 15 13 00-0533	MLF 400-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	30,822.96	
27 15 13 00-0534	MLF 600-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	41,275.82	
27 15 13 00-0535	MLF 900-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	61,683.87	
27 15 13 00-0536	MLF 1,200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	83,323.57	

27 15 13 00-0537 22 AWG, PE-89 Outdoor Telecommunications Cable (27 15 13 00-0509)

27 15 13 00-0538 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit (27 15 13 00-0537)

27 15 13 00-0539	MLF 6-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	2,223.07	563.39
27 15 13 00-0540	MLF 12-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	2,887.38	563.39
27 15 13 00-0541	MLF 25-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	4,459.09	633.81
27 15 13 00-0542	MLF 50-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	7,144.65	704.24
27 15 13 00-0543	MLF 75-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	10,402.39	985.93
27 15 13 00-0544	MLF 100-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	13,427.68	1,126.77
27 15 13 00-0545	MLF 200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	24,153.30	1,267.62
27 15 13 00-0546	MLF 300-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	35,186.21	1,831.01
27 15 13 00-0547	MLF 400-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	46,885.35	2,394.40
27 15 13 00-0548	MLF 600-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	69,345.87	3,239.47
27 15 13 00-0549	MLF 900-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	100,915.27	6,478.95
27 15 13 00-0550	MLF 1,200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	141,810.13	9,577.57

27 15 13 00-0551 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench (27 15 13 00-0537)

27 15 13 00-0552	MLF 6-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	2,047.02	
27 15 13 00-0553	MLF 12-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	2,711.33	
27 15 13 00-0554	MLF 25-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	4,224.35	
27 15 13 00-0555	MLF 50-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	6,909.90	
27 15 13 00-0556	MLF 75-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	10,050.28	
27 15 13 00-0557	MLF 100-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	13,075.56	
27 15 13 00-0558	MLF 200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	23,918.56	
27 15 13 00-0559	MLF 300-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	34,481.98	
27 15 13 00-0560	MLF 400-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	45,418.19	
27 15 13 00-0561	MLF 600-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	66,763.68	
27 15 13 00-0562	MLF 900-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	93,872.93	
27 15 13 00-0563	MLF 1,200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	131,481.37	

27 15 13 00-0564 19 AWG, PE-89 Outdoor Telecommunications Cable (27 15 13 00-0509)

27 15 13 00-0565 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit (27 15 13 00-0564)

27 15 13 00-0566	MLF 25-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	7,667.19	633.81
27 15 13 00-0567	MLF 50-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	13,415.45	704.24
27 15 13 00-0568	MLF 75-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	21,556.99	985.93
27 15 13 00-0569	MLF 100-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	25,848.32	1,126.77

27 15 13 00-0570 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench (27 15 13 00-0564)

27 15 13 00-0571	MLF 25-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	7,432.45	
27 15 13 00-0572	MLF 50-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	13,180.70	
27 15 13 00-0573	MLF 75-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	21,204.88	
27 15 13 00-0574	MLF 100-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	25,496.20	

27 15 13 00-0575 PE-39 Outdoor Telecommunications Cable (27 15 13 00-0508)

Note: Includes solid polyolefin insulated conductors.

27 15 13 00-0576 24 AWG, PE-39 Outdoor Telecommunications Cable (27 15 13 00-0575)

27 15 13 00-0577 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit (27 15 13 00-0576)

27 Communications
27 10 Structured Cabling
27 15 Communications Horizontal Cabling

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

27 15 13 00-0578	MLF	6-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	2,693.45	985.93
27 15 13 00-0579	MLF	12-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	3,217.11	985.93
27 15 13 00-0580	MLF	25-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	4,273.57	985.93
27 15 13 00-0581	MLF	50-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	6,176.05	985.93
27 15 13 00-0582	MLF	100-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	10,034.56	985.93
27 15 13 00-0583	MLF	200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	18,338.28	1,267.62
27 15 13 00-0584	MLF	300-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	26,782.42	1,831.01
27 15 13 00-0585	MLF	400-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	35,242.33	2,394.40
27 15 13 00-0586	MLF	600-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	48,168.47	3,239.47
27 15 13 00-0587	MLF	900-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	74,300.69	6,478.95
27 15 13 00-0588	MLF	1,200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	108,110.29	9,577.57

27 15 13 00-0589 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench (27 15 13 00-0576)

27 15 13 00-0590	MLF	6-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	2,341.34	
27 15 13 00-0591	MLF	12-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	2,865.00	
27 15 13 00-0592	MLF	25-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	3,921.46	
27 15 13 00-0593	MLF	50-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	5,823.94	
27 15 13 00-0594	MLF	100-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	9,682.45	
27 15 13 00-0595	MLF	200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	18,103.54	
27 15 13 00-0596	MLF	300-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	26,078.19	
27 15 13 00-0597	MLF	400-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	33,775.17	
27 15 13 00-0598	MLF	600-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	45,586.28	
27 15 13 00-0599	MLF	900-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	67,258.35	
27 15 13 00-0600	MLF	1,200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	97,781.53	

27 15 13 00-0601 22 AWG, PE-39 Outdoor Telecommunications Cable (27 15 13 00-0575)

27 15 13 00-0602 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit (27 15 13 00-0601)

27 15 13 00-0603	MLF	6-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	2,996.20	985.93
27 15 13 00-0604	MLF	12-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	3,765.69	985.93
27 15 13 00-0605	MLF	25-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	5,403.22	985.93
27 15 13 00-0606	MLF	50-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	8,415.68	985.93
27 15 13 00-0607	MLF	100-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	14,702.29	985.93
27 15 13 00-0608	MLF	200-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	27,321.22	1,267.62
27 15 13 00-0609	MLF	300-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	40,042.35	1,831.01
27 15 13 00-0610	MLF	400-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	51,279.96	2,394.40
27 15 13 00-0611	MLF	600-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	71,667.28	3,239.47
27 15 13 00-0612	MLF	900-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	112,350.71	6,478.95

27 15 13 00-0613 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench (27 15 13 00-0601)

27 15 13 00-0614	MLF	6-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	2,644.09	
27 15 13 00-0615	MLF	12-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	3,413.58	
27 15 13 00-0616	MLF	25-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	5,051.11	
27 15 13 00-0617	MLF	50-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	8,063.57	
27 15 13 00-0618	MLF	100-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	14,350.18	
27 15 13 00-0619	MLF	200-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	27,086.48	
27 15 13 00-0620	MLF	300-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	39,338.12	
27 15 13 00-0621	MLF	400-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	49,812.80	
27 15 13 00-0622	MLF	600-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	69,085.09	
27 15 13 00-0623	MLF	900-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	105,308.37	

27 15 13 00-0624 19 AWG, PE-39 Outdoor Telecommunications Cable (27 15 13 00-0575)

27 15 13 00-0625 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit (27 15 13 00-0624)

27 15 13 00-0626	MLF	25-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	9,030.71	985.93
27 15 13 00-0627	MLF	50-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	15,140.38	985.93
27 15 13 00-0628	MLF	100-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	27,809.68	985.93

27 15 13 00-0629 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench (27 15 13 00-0624)

27 15 13 00-0630	MLF	25-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	8,678.60	
27 15 13 00-0631	MLF	50-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	14,788.27	
27 15 13 00-0632	MLF	100-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	27,457.57	

27 15 13 00-0633 (Aerial) Outdoor Telecommunications Cable (27 15 13 00-0508)

Note: Includes support wire.

27 15 13 00-0634 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles (27 15 13 00-0633)

27 15 13 00-0635	MLF	6-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	7,700.36	1,971.25
27 15 13 00-0636	MLF	12-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	8,136.07	1,971.25
27 15 13 00-0637	MLF	25-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	9,217.85	1,971.25
27 15 13 00-0638	MLF	50-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	11,220.75	1,971.25
27 15 13 00-0639	MLF	100-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	15,089.32	1,971.25
27 15 13 00-0640	MLF	200-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	23,220.98	2,168.38
27 15 13 00-0641	MLF	300-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	31,400.49	2,365.49

Communications			27	27
Structured Cabling			27 10	
Communications Horizontal Cabling			27 15	
TOTAL DIRECT			DEMOLITION	
UNIT COST			UNIT COST	

27 15 13 00-0642	22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles ^(27 15 13 00-0633)		
27 15 13 00-0643	MLF 6-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	8,221.64	1,971.25
27 15 13 00-0644	MLF 12-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	8,865.38	1,971.25
27 15 13 00-0645	MLF 25-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	10,415.88	1,971.25
27 15 13 00-0646	MLF 50-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	13,479.03	1,971.25
27 15 13 00-0647	MLF 100-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	20,209.48	1,971.25
27 15 13 00-0648	MLF 200-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	32,434.97	2,168.38
27 15 13 00-0649	19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles ^(27 15 13 00-0633)		
27 15 13 00-0650	MLF 6-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	8,910.82	1,971.25
27 15 13 00-0651	MLF 12-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	10,366.60	1,971.25
27 15 13 00-0652	MLF 25-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	13,228.90	1,971.25
27 15 13 00-0653	MLF 50-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	18,953.55	1,971.25
27 15 13 00-0654	MLF 100-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	30,445.43	1,971.25
27 15 13 00-0655	Category 5E, Outdoor Telecommunications Cable ^(27 15 13 00-0508)		
27 15 13 00-0656	Category 5E, Outdoor Telecommunications Cable ^(27 15 13 00-0655)		
27 15 13 00-0657	Category 5E, Outdoor Telecommunications Cable, Installed In Conduit ^(27 15 13 00-0656)		
27 15 13 00-0658	MLF 4-Pair 24 AWG, Ultra II Enhanced Category 5E, Flooded Outdoor Telecommunications Cable, Installed In Conduit.....	2,536.90	1,126.77
27 15 13 00-0659	Category 5E, Outdoor Telecommunications Cable, Buried In Trench ^(27 15 13 00-0656)		
27 15 13 00-0660	MLF 4-Pair 24 AWG, Ultra II Enhanced Category 5E, Flooded Outdoor Telecommunications Cable, Buried In Trench.....	2,184.79	
27 15 13 00-0661	Category 6, Outdoor Telecommunications Cable ^(27 15 13 00-0508)		
27 15 13 00-0662	Category 6, Outdoor Telecommunications Cable ^(27 15 13 00-0661)		
27 15 13 00-0663	Category 6, Outdoor Telecommunications Cable, Installed In Conduit ^(27 15 13 00-0662)		
27 15 13 00-0664	MLF 4-Pair 24 AWG, UltraMedia Category 6, Flooded Outdoor Telecommunications Cable, Installed In Conduit	2,988.61	1,126.77
27 15 13 00-0665	Category 6, Outdoor Telecommunications Cable, Buried In Trench ^(27 15 13 00-0662)		
27 15 13 00-0666	MLF 4-Pair 24 AWG, UltraMedia Category 6, Flooded Outdoor Telecommunications Cable, Buried In Trench.....	2,636.50	
27 15 13 00-0667	Sound System Cables ^(27 15 13)		
	Note: Cables shall be type CL2 or CM and as manufactured by West Penn Wire, Belden or approved equal.		
27 15 13 00-0668	Speaker/Communications And Control Cable, Installed Exposed ^(27 15 13 00-0667)		
27 15 13 00-0669	Non-Plenum Rated Speaker/Communications And Control Cable, Installed Exposed ^(27 15 13 00-0668)		
27 15 13 00-0670	MLF 2 Conductor, #16 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,810.23	750.62
	For Work In Restricted Working Space, Add	450.37	
27 15 13 00-0671	MLF 2 Conductor, #18 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,706.01	750.62
	For Work In Restricted Working Space, Add	450.37	
27 15 13 00-0672	MLF 2 Conductor, #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,625.62	750.62
	For Work In Restricted Working Space, Add	450.37	
27 15 13 00-0673	MLF 4 Conductor, #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,713.53	750.62
	For Work In Restricted Working Space, Add	450.37	
27 15 13 00-0674	MLF 4 Conductor, #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,996.09	750.62
	For Work In Restricted Working Space, Add	450.37	
27 15 13 00-0675	MLF 6 Conductor, #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,277.72	750.62
	For Work In Restricted Working Space, Add	450.37	
27 15 13 00-0676	MLF 4 Conductor, #20 AWG, Stranded, 2 Shielded, 2 Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,997.28	750.62
	For Work In Restricted Working Space, Add	450.37	
27 15 13 00-0677	MLF 4 Conductor, #22 AWG, Stranded, 2 Shielded, 2 Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,861.60	750.62
	For Work In Restricted Working Space, Add	450.37	
27 15 13 00-0678	Plenum Rated Speaker/Communications And Control Cable, Installed Exposed ^(27 15 13 00-0668)		
27 15 13 00-0679	MLF 2 Conductor, #16 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,853.29	750.62
	For Work In Restricted Working Space, Add	450.37	
27 15 13 00-0680	MLF 2 Conductor, #18 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,733.40	750.62
	For Work In Restricted Working Space, Add	450.37	

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT	COST	UNIT	COST
27 15 13 00-0681	MLF 2 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,665.53		750.62	
	<i>For Work In Restricted Working Space, Add</i>	450.37			
27 15 13 00-0682	MLF 4 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,778.78		750.62	
	<i>For Work In Restricted Working Space, Add</i>	450.37			
27 15 13 00-0683	MLF 8 Conductors, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,018.01		750.62	
	<i>For Work In Restricted Working Space, Add</i>	450.37			
27 15 13 00-0684	MLF 2 Conductors, #16 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,991.62		750.62	
	<i>For Work In Restricted Working Space, Add</i>	450.37			
27 15 13 00-0685	MLF 2 Conductors, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,825.78		750.62	
	<i>For Work In Restricted Working Space, Add</i>	450.37			
27 15 13 00-0686	MLF 4 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,107.68		750.62	
	<i>For Work In Restricted Working Space, Add</i>	450.37			
27 15 13 00-0687	MLF 6 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,388.80		750.62	
	<i>For Work In Restricted Working Space, Add</i>	450.37			
27 15 13 00-0688	MLF 2 Conductor, #22 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,699.56		750.62	
	<i>For Work In Restricted Working Space, Add</i>	450.37			
27 15 13 00-0689	MLF 2 Conductor, #20 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,755.58		750.62	
	<i>For Work In Restricted Working Space, Add</i>	450.37			
27 15 13 00-0690	Speaker/Communications And Control Cable, Installed In Conduit (27 15 13 00-0667)				
27 15 13 00-0691	Non-Plenum Rated Speaker/Communications And Control Cable, Installed In Conduit (27 15 13 00-0690)				
27 15 13 00-0692	MLF 2 Conductors, #16 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,059.62		375.30	
27 15 13 00-0693	MLF 2 Conductors, #18 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	955.40		375.30	
27 15 13 00-0694	MLF 2 Conductors, #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	875.01		375.30	
27 15 13 00-0695	MLF 4 Conductors, #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	962.92		375.30	
27 15 13 00-0696	MLF 4 Conductors, #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,245.48		375.30	
27 15 13 00-0697	MLF 6 Conductors, #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,527.11		375.30	
27 15 13 00-0698	MLF 4 Conductors (2 Shielded, 2 Unshielded), #20 AWG, Stranded, Non-Plenum Rated, Microphone/Communications Cable, Installed In Conduit	1,246.67		375.30	
27 15 13 00-0699	MLF 4 Conductors (2 Shielded, 2 Unshielded), #22 AWG, Stranded, Non-Plenum Rated, Microphone/Communications Cable, Installed In Conduit	1,110.99		375.30	
27 15 13 00-0700	Plenum Rated Speaker/Communications And Control Cable, Installed In Conduit (27 15 13 00-0690)				
27 15 13 00-0701	MLF 2 Conductor, #6 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,102.68		375.30	
27 15 13 00-0702	MLF 2 Conductor, #18 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	982.79		375.30	
27 15 13 00-0703	MLF 2 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	914.92		375.30	
27 15 13 00-0704	MLF 4 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,028.17		375.30	
27 15 13 00-0705	MLF 8 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,267.40		375.30	
27 15 13 00-0706	MLF 2 Conductor, #16 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,241.01		375.30	
27 15 13 00-0707	MLF 2 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,075.17		375.30	
27 15 13 00-0708	MLF 4 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,357.07		375.30	
27 15 13 00-0709	MLF 6 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,638.19		375.30	
27 15 13 00-0710	MLF 2 Conductor, #20 AWG, Stranded, Shielded, Plenum Rated, Microphone/Communications And Control Cable, Installed In Conduit	1,004.97		375.30	
27 15 13 00-0711	MLF 2 Conductor, #22 AWG, Stranded, Shielded, Plenum Rated, Microphone/Communications And Control Cable, Installed In Conduit	948.95		375.30	
27 15 23	Communications Optical Fiber Horizontal Cabling (27 15)				
	Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.				
27 15 23 00-0001	Indoor Fiber Optic Cable (27 15 23)				
	Note: Distribution cables contain multiple tight-buffered fibers bundled under the same jacket with Kevlar strength members. Break-out cables contain multiple individually reinforced and jacketed simplex cables bundled together.				
27 15 23 00-0002	Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0001)				
	Note: Excludes conduit or innerduct.				

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0003		Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0003)		
27 15 23 00-0004		Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0003)		
27 15 23 00-0005		Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0004)		
27 15 23 00-0006	MLF	1-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,027.38	422.54
27 15 23 00-0007	MLF	2-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,124.76	422.54
27 15 23 00-0008	MLF	4-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,157.28	422.54
27 15 23 00-0009	MLF	6-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,273.07	422.54
		For Aluminum Armored Cable, Add	784.92	
		For Steel Armored Cable, Add	1,626.50	
27 15 23 00-0010	MLF	8-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,306.27	422.54
27 15 23 00-0011	MLF	12-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,506.96	422.54
		For Aluminum Armored Cable, Add	816.30	
		For Steel Armored Cable, Add	1,701.24	
27 15 23 00-0012	MLF	18-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,595.69	492.97
27 15 23 00-0013	MLF	24-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,667.72	492.97
		For Aluminum Armored Cable With Sub-Units, Add	1,639.80	
		For Steel Armored Cable, Add	2,251.21	
27 15 23 00-0014	MLF	36-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,482.46	492.97
		For Aluminum Armored Cable With Sub-Units, Add	1,939.49	
		For Steel Armored Cable, Add	2,026.29	
27 15 23 00-0015	MLF	48-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,640.48	492.97
		For Aluminum Armored Cable With Sub-Units, Add	2,034.91	
		For Steel Armored Cable, Add	2,122.54	
27 15 23 00-0016	MLF	60-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,636.97	492.97
27 15 23 00-0017	MLF	72-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,901.97	492.97
27 15 23 00-0018	MLF	96-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	7,295.86	492.97
27 15 23 00-0019	MLF	120-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	9,809.37	563.39
27 15 23 00-0020	MLF	144-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	11,710.17	563.39
27 15 23 00-0021		50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0004)		
27 15 23 00-0022	MLF	1-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,055.42	422.54
27 15 23 00-0023	MLF	2-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,163.92	422.54
27 15 23 00-0024	MLF	4-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,436.86	422.54
27 15 23 00-0025	MLF	6-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,724.16	422.54
		For Aluminum Armored Cable, Add	969.59	
		For Steel Armored Cable, Add	1,274.07	
27 15 23 00-0026	MLF	8-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,997.09	422.54
27 15 23 00-0027	MLF	12-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,557.32	422.54
		For Aluminum Armored Cable, Add	960.10	
		For Steel Armored Cable, Add	1,356.83	
27 15 23 00-0028	MLF	18-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,818.35	492.97
27 15 23 00-0029	MLF	24-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,843.81	492.97
		For Aluminum Armored Cable With Sub-Units, Add	923.31	
		For Steel Armored Cable, Add	923.31	
27 15 23 00-0030	MLF	36-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	6,854.91	492.97
27 15 23 00-0031	MLF	48-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	8,866.01	492.97
		For Aluminum Armored Cable With Sub-Units, Add	1,647.67	
27 15 23 00-0032	MLF	60-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	10,877.11	492.97
27 15 23 00-0033	MLF	72-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	12,888.21	492.97
27 15 23 00-0034	MLF	96-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	16,924.77	492.97
		For Aluminum Armored Cable With Sub-Units, Add	7,096.31	
27 15 23 00-0035	MLF	120-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	21,064.33	563.39
27 15 23 00-0036	MLF	144-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	25,086.53	563.39
27 15 23 00-0037		62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0004)		
27 15 23 00-0038	MLF	1-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,072.98	422.54
27 15 23 00-0039	MLF	2-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,186.90	422.54
27 15 23 00-0040	MLF	4-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,473.49	422.54
27 15 23 00-0041	MLF	6-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,775.15	422.54

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

27 15 23 00-0042	MLF	8-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,061.73	422.54
27 15 23 00-0043	MLF	12-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,649.98	422.54
27 15 23 00-0044	MLF	18-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,918.18	492.97
27 15 23 00-0045	MLF	24-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,044.92	492.97
27 15 23 00-0046	MLF	36-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,156.57	492.97
27 15 23 00-0047	MLF	48-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,268.23	492.97
27 15 23 00-0048	MLF	60-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	11,379.89	492.97
27 15 23 00-0049	MLF	72-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	13,491.54	492.97
27 15 23 00-0050	MLF	96-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	17,729.93	492.97
27 15 23 00-0051	MLF	120-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	22,070.60	563.39
27 15 23 00-0052	MLF	144-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	26,293.91	563.39

27 15 23 00-0053 Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0003)

27 15 23 00-0054 Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0053)

27 15 23 00-0055	MLF	2-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,929.96	422.54
27 15 23 00-0056	MLF	4-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,293.16	422.54
27 15 23 00-0057	MLF	6-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,092.16	422.54
27 15 23 00-0058	MLF	8-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,473.48	422.54
27 15 23 00-0059	MLF	12-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,071.25	422.54
27 15 23 00-0060	MLF	18-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,405.53	492.97
27 15 23 00-0061	MLF	24-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,079.19	492.97
27 15 23 00-0062	MLF	36-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	11,399.26	492.97
27 15 23 00-0063	MLF	48-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	13,986.94	492.97

27 15 23 00-0064 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0053)

27 15 23 00-0065	MLF	2-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,260.39	422.54
27 15 23 00-0066	MLF	4-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,751.04	422.54
27 15 23 00-0067	MLF	6-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,560.00	422.54
27 15 23 00-0068	MLF	8-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,762.35	422.54
27 15 23 00-0069	MLF	12-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,261.65	422.54
27 15 23 00-0070	MLF	18-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,035.91	492.97
27 15 23 00-0071	MLF	24-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,837.83	492.97
27 15 23 00-0072	MLF	36-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	10,069.80	492.97
27 15 23 00-0073	MLF	48-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	15,358.99	492.97

27 15 23 00-0074 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0053)

27 15 23 00-0075	MLF	2-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,338.19	422.54
27 15 23 00-0076	MLF	4-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,853.38	422.54
27 15 23 00-0077	MLF	6-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,702.79	422.54
27 15 23 00-0078	MLF	8-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,965.26	422.54
27 15 23 00-0079	MLF	12-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,489.52	422.54
27 15 23 00-0080	MLF	18-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,346.62	492.97
27 15 23 00-0081	MLF	24-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,238.64	492.97
27 15 23 00-0082	MLF	36-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	10,532.21	492.97
27 15 23 00-0083	MLF	48-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	16,085.86	492.97

27 15 23 00-0084 Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0002)

27 15 23 00-0085 Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0084)

			Communications	27
			Structured Cabling	27 10
			Communications Horizontal Cabling	27 15
MINOR	CSI	UOM	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

27 15 23 00-0086	Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0085)			
27 15 23 00-0087	MLF	1-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	979.02	422.54
27 15 23 00-0088	MLF	2-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	983.17	422.54
27 15 23 00-0089	MLF	4-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,200.85	422.54
27 15 23 00-0090	MLF	6-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,226.32	422.54
		For Aluminum Armored Cable, Add	1,189.98	
		For Steel Armored Cable, Add	5,139.63	
27 15 23 00-0091	MLF	8-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,354.55	422.54
27 15 23 00-0092	MLF	12-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,378.54	422.54
		For Aluminum Armored Cable, Add	1,276.21	
		For Steel Armored Cable, Add	5,524.87	
27 15 23 00-0093	MLF	18-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,019.85	492.97
27 15 23 00-0094	MLF	24-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,844.19	492.97
		For Aluminum Armored Cable With Sub-Units, Add	822.39	
		For Steel Armored Cable, Add	5,965.51	
27 15 23 00-0095	MLF	36-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,026.12	492.97
27 15 23 00-0096	MLF	48-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,179.82	492.97
		For Aluminum Armored Cable With Sub-Units, Add	1,260.89	
		For Steel Armored Cable, Add	7,573.44	
27 15 23 00-0097	MLF	60-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,430.62	492.97
27 15 23 00-0098	MLF	72-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,766.08	492.97
27 15 23 00-0099	MLF	96-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	11,541.42	492.97
27 15 23 00-0100	50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0085)			
27 15 23 00-0101	MLF	1-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,053.53	422.54
27 15 23 00-0102	MLF	2-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,394.76	422.54
27 15 23 00-0103	MLF	4-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,817.77	422.54
27 15 23 00-0104	MLF	6-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,249.27	422.54
		For Aluminum Armored Cable, Add	447.36	
		For Steel Armored Cable, Add	819.20	
27 15 23 00-0105	MLF	8-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,662.73	422.54
27 15 23 00-0106	MLF	12-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,021.96	422.54
		For Aluminum Armored Cable, Add	470.12	
		For Steel Armored Cable, Add	892.20	
27 15 23 00-0107	MLF	18-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,846.39	492.97
27 15 23 00-0108	MLF	24-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,914.69	492.97
		For Aluminum Armored Cable With Sub-Units, Add	1,810.08	
		For Steel Armored Cable, Add	4,221.63	
27 15 23 00-0109	MLF	36-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,961.23	492.97
27 15 23 00-0110	MLF	48-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	13,007.77	492.97
		For Aluminum Armored Cable With Sub-Units, Add	5,374.97	
27 15 23 00-0111	MLF	60-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	16,054.31	492.97
27 15 23 00-0112	MLF	72-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	19,100.85	492.97
27 15 23 00-0113	MLF	96-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	25,215.69	492.97
		For Aluminum Armored Cable With Sub-Units, Add	10,749.93	
27 15 23 00-0114	62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0085)			
27 15 23 00-0115	MLF	1-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,071.00	422.54
27 15 23 00-0116	MLF	2-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,429.29	422.54
27 15 23 00-0117	MLF	4-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,873.45	422.54
27 15 23 00-0118	MLF	6-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,326.52	422.54
27 15 23 00-0119	MLF	8-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,760.65	422.54
27 15 23 00-0120	MLF	12-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,137.85	422.54
27 15 23 00-0121	MLF	18-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,997.63	492.97
27 15 23 00-0122	MLF	24-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,219.34	492.97
27 15 23 00-0123	MLF	36-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	10,418.21	492.97
27 15 23 00-0124	MLF	48-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	13,617.08	492.97
27 15 23 00-0125	MLF	60-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	16,815.95	492.97

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**
 MINOR
CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

27 15 23 00-0126	MLF	72-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	20,014.81	492.97
27 15 23 00-0127	MLF	96-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	26,435.40	492.97
27 15 23 00-0128		Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0084)		
27 15 23 00-0129		Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0128)		
27 15 23 00-0130	MLF	2-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,040.69	422.54
27 15 23 00-0131	MLF	4-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,482.58	422.54
27 15 23 00-0132	MLF	6-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,544.88	422.54
27 15 23 00-0133	MLF	8-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,585.98	422.54
27 15 23 00-0134	MLF	12-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	7,247.54	422.54
27 15 23 00-0135	MLF	18-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	10,336.95	492.97
27 15 23 00-0136	MLF	24-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	14,912.47	492.97
27 15 23 00-0137	MLF	36-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	18,042.48	492.97
27 15 23 00-0138	MLF	48-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	22,515.67	492.97
27 15 23 00-0139		50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0128)		
27 15 23 00-0140	MLF	2-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,607.49	422.54
27 15 23 00-0141	MLF	4-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,747.35	422.54
27 15 23 00-0142	MLF	6-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	7,781.96	422.54
27 15 23 00-0143	MLF	8-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	8,818.92	422.54
27 15 23 00-0144	MLF	12-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	10,427.56	422.54
27 15 23 00-0145	MLF	18-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	14,269.91	492.97
27 15 23 00-0146	MLF	24-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	16,758.08	492.97
27 15 23 00-0147	MLF	36-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	18,485.64	492.97
27 15 23 00-0148	MLF	48-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	29,546.13	492.97
27 15 23 00-0149		62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0128)		
27 15 23 00-0150	MLF	2-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,802.65	422.54
27 15 23 00-0151	MLF	4-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,999.51	422.54
27 15 23 00-0152	MLF	6-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	8,135.85	422.54
27 15 23 00-0153	MLF	8-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	9,224.65	422.54
27 15 23 00-0154	MLF	12-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	10,913.72	422.54
27 15 23 00-0155	MLF	18-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	14,942.32	492.97
27 15 23 00-0156	MLF	24-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	17,554.91	492.97
27 15 23 00-0157	MLF	36-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	19,368.85	492.97
27 15 23 00-0158	MLF	48-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	30,982.36	492.97
27 15 23 00-0159		Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0001)		
27 15 23 00-0160		Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0159)		
27 15 23 00-0161		Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0160)		
27 15 23 00-0162		Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0161)		
27 15 23 00-0163	MLF	1-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,262.11	563.39
		For Work In Restricted Working Space, Add	281.69	
27 15 23 00-0164	MLF	2-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,359.49	563.39
		For Work In Restricted Working Space, Add	281.69	
27 15 23 00-0165	MLF	4-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,392.01	563.39
		For Work In Restricted Working Space, Add	281.69	
27 15 23 00-0166	MLF	6-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,507.80	563.39
		For Aluminum Armored Cable, Add	784.92	
		For Steel Armored Cable, Add	1,626.50	
		For Work In Restricted Working Space, Add	281.69	

			Communications	27	27
			Structured Cabling	27 10	
			Communications Horizontal Cabling	27 15	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0167	MLF	8-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,541.00	563.39	
		For Work In Restricted Working Space, Add	281.69		
27 15 23 00-0168	MLF	12-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,741.69	563.39	
		For Aluminum Armored Cable, Add	816.30		
		For Steel Armored Cable, Add	1,701.24		
		For Work In Restricted Working Space, Add	281.69		
27 15 23 00-0169	MLF	18-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,830.43	633.81	
		For Work In Restricted Working Space, Add	316.91		
27 15 23 00-0170	MLF	24-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,902.46	633.81	
		For Aluminum Armored Cable With Sub-Units, Add	1,839.80		
		For Steel Armored Cable, Add	2,251.21		
		For Work In Restricted Working Space, Add	316.91		
27 15 23 00-0171	MLF	36-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,717.20	633.81	
		For Aluminum Armored Cable With Sub-Units, Add	1,939.49		
		For Steel Armored Cable, Add	2,026.29		
		For Work In Restricted Working Space, Add	316.91		
27 15 23 00-0172	MLF	48-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,875.22	633.81	
		For Aluminum Armored Cable With Sub-Units, Add	2,034.91		
		For Steel Armored Cable, Add	2,122.54		
		For Work In Restricted Working Space, Add	316.91		
27 15 23 00-0173	MLF	60-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,871.71	633.81	
		For Work In Restricted Working Space, Add	316.91		
27 15 23 00-0174	MLF	72-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,136.71	633.81	
		For Work In Restricted Working Space, Add	316.91		
27 15 23 00-0175	MLF	96-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,530.60	633.81	
		For Work In Restricted Working Space, Add	316.91		
27 15 23 00-0176	MLF	120-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	10,044.12	704.24	
		For Work In Restricted Working Space, Add	352.12		
27 15 23 00-0177	MLF	144-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	11,944.92	704.24	
		For Work In Restricted Working Space, Add	352.12		
27 15 23 00-0178		50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0161)			
27 15 23 00-0179	MLF	1-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,290.15	563.39	
		For Work In Restricted Working Space, Add	281.69		
27 15 23 00-0180	MLF	2-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,398.65	563.39	
		For Work In Restricted Working Space, Add	281.69		
27 15 23 00-0181	MLF	4-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,671.59	563.39	
		For Work In Restricted Working Space, Add	281.69		
27 15 23 00-0182	MLF	6-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,958.89	563.39	
		For Aluminum Armored Cable, Add	969.59		
		For Steel Armored Cable, Add	1,274.07		
		For Work In Restricted Working Space, Add	281.69		
27 15 23 00-0183	MLF	8-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,231.82	563.39	
		For Work In Restricted Working Space, Add	281.69		
27 15 23 00-0184	MLF	12-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,792.05	563.39	
		For Aluminum Armored Cable, Add	960.10		
		For Steel Armored Cable, Add	1,356.83		
		For Work In Restricted Working Space, Add	281.69		
27 15 23 00-0185	MLF	18-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,053.09	633.81	
		For Work In Restricted Working Space, Add	316.91		
27 15 23 00-0186	MLF	24-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,078.55	633.81	
		For Aluminum Armored Cable With Sub-Units, Add	923.31		
		For Steel Armored Cable, Add	923.31		
		For Work In Restricted Working Space, Add	316.91		
27 15 23 00-0187	MLF	36-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,089.65	633.81	
		For Work In Restricted Working Space, Add	316.91		
27 15 23 00-0188	MLF	48-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,100.75	633.81	
		For Aluminum Armored Cable With Sub-Units, Add	1,647.67		
		For Work In Restricted Working Space, Add	316.91		
27 15 23 00-0189	MLF	60-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	11,111.85	633.81	
		For Work In Restricted Working Space, Add	316.91		
27 15 23 00-0190	MLF	72-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	13,122.95	633.81	
		For Work In Restricted Working Space, Add	316.91		
27 15 23 00-0191	MLF	96-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	17,159.51	633.81	
		For Aluminum Armored Cable With Sub-Units, Add	7,096.31		
		For Work In Restricted Working Space, Add	316.91		
27 15 23 00-0192	MLF	120-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	21,299.08	704.24	
		For Work In Restricted Working Space, Add	352.12		
27 15 23 00-0193	MLF	144-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	25,321.28	704.24	
		For Work In Restricted Working Space, Add	352.12		
27 15 23 00-0194		62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0161)			
27 15 23 00-0195	MLF	1-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,307.71	563.39	
		For Work In Restricted Working Space, Add	281.69		
27 15 23 00-0196	MLF	2-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,421.63	563.39	
		For Work In Restricted Working Space, Add	281.69		
27 15 23 00-0197	MLF	4-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,708.22	563.39	
		For Work In Restricted Working Space, Add	281.69		

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

27 15 23 00-0198	MLF	6-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,009.88	563.39
		<i>For Work In Restricted Working Space, Add</i>	281.69	
27 15 23 00-0199	MLF	8-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,296.46	563.39
		<i>For Work In Restricted Working Space, Add</i>	281.69	
27 15 23 00-0200	MLF	12-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,884.71	563.39
		<i>For Work In Restricted Working Space, Add</i>	281.69	
27 15 23 00-0201	MLF	18-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,152.92	633.81
		<i>For Work In Restricted Working Space, Add</i>	316.91	
27 15 23 00-0202	MLF	24-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,279.66	633.81
		<i>For Work In Restricted Working Space, Add</i>	316.91	
27 15 23 00-0203	MLF	36-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	7,391.31	633.81
		<i>For Work In Restricted Working Space, Add</i>	316.91	
27 15 23 00-0204	MLF	48-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	9,502.97	633.81
		<i>For Work In Restricted Working Space, Add</i>	316.91	
27 15 23 00-0205	MLF	60-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	11,614.63	633.81
		<i>For Work In Restricted Working Space, Add</i>	316.91	
27 15 23 00-0206	MLF	72-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	13,726.28	633.81
		<i>For Work In Restricted Working Space, Add</i>	316.91	
27 15 23 00-0207	MLF	96-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	17,964.67	633.81
		<i>For Work In Restricted Working Space, Add</i>	316.91	
27 15 23 00-0208	MLF	120-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	22,305.35	704.24
		<i>For Work In Restricted Working Space, Add</i>	352.12	
27 15 23 00-0209	MLF	144-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	26,528.66	704.24
		<i>For Work In Restricted Working Space, Add</i>	352.12	

27 15 23 00-0210 Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0160)

27 15 23 00-0211 Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0210)

27 15 23 00-0212	MLF	2-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,164.69	563.39
		<i>For Work In Restricted Working Space, Add</i>	281.69	
27 15 23 00-0213	MLF	4-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,527.89	563.39
		<i>For Work In Restricted Working Space, Add</i>	281.69	
27 15 23 00-0214	MLF	6-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,326.89	563.39
		<i>For Work In Restricted Working Space, Add</i>	281.69	
27 15 23 00-0215	MLF	8-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,708.21	563.39
		<i>For Work In Restricted Working Space, Add</i>	281.69	
27 15 23 00-0216	MLF	12-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	6,305.98	563.39
		<i>For Work In Restricted Working Space, Add</i>	281.69	
27 15 23 00-0217	MLF	18-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	6,640.27	633.81
		<i>For Work In Restricted Working Space, Add</i>	316.91	
27 15 23 00-0218	MLF	24-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	8,313.93	633.81
		<i>For Work In Restricted Working Space, Add</i>	316.91	
27 15 23 00-0219	MLF	36-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	11,634.00	633.81
		<i>For Work In Restricted Working Space, Add</i>	316.91	
27 15 23 00-0220	MLF	48-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	14,221.68	633.81
		<i>For Work In Restricted Working Space, Add</i>	316.91	

27 15 23 00-0221 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0210)

27 15 23 00-0222	MLF	2-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,495.12	563.39
		<i>For Work In Restricted Working Space, Add</i>	281.69	
27 15 23 00-0223	MLF	4-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,985.77	563.39
		<i>For Work In Restricted Working Space, Add</i>	281.69	
27 15 23 00-0224	MLF	6-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,794.73	563.39
		<i>For Work In Restricted Working Space, Add</i>	281.69	
27 15 23 00-0225	MLF	8-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,997.08	563.39
		<i>For Work In Restricted Working Space, Add</i>	281.69	
27 15 23 00-0226	MLF	12-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,496.38	563.39
		<i>For Work In Restricted Working Space, Add</i>	281.69	
27 15 23 00-0227	MLF	18-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	7,270.65	633.81
		<i>For Work In Restricted Working Space, Add</i>	316.91	
27 15 23 00-0228	MLF	24-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	9,072.57	633.81
		<i>For Work In Restricted Working Space, Add</i>	316.91	
27 15 23 00-0229	MLF	36-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	10,304.54	633.81
		<i>For Work In Restricted Working Space, Add</i>	316.91	
27 15 23 00-0230	MLF	48-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	15,593.73	633.81
		<i>For Work In Restricted Working Space, Add</i>	316.91	

27 15 23 00-0231 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0210)

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0232	MLF	2-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,572.92 281.69	563.39
27 15 23 00-0233	MLF	4-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	3,088.11 281.69	563.39
27 15 23 00-0234	MLF	6-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	3,937.52 281.69	563.39
27 15 23 00-0235	MLF	8-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	5,199.99 281.69	563.39
27 15 23 00-0236	MLF	12-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,724.25 281.69	563.39
27 15 23 00-0237	MLF	18-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,581.36 316.91	633.81
27 15 23 00-0238	MLF	24-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,473.38 316.91	633.81
27 15 23 00-0239	MLF	36-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	10,766.95 316.91	633.81
27 15 23 00-0240	MLF	48-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	16,320.60 316.91	633.81
27 15 23 00-0241		Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0159)		
27 15 23 00-0242		Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0241)		
27 15 23 00-0243		Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0242)		
27 15 23 00-0244	MLF	1-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,213.75	563.39
27 15 23 00-0245	MLF	2-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,217.90	563.39
27 15 23 00-0246	MLF	4-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,435.58	563.39
27 15 23 00-0247	MLF	6-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,461.05	563.39
27 15 23 00-0248	MLF	8-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,589.28	563.39
27 15 23 00-0249	MLF	12-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,613.27	563.39
27 15 23 00-0250	MLF	18-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,254.59	633.81
27 15 23 00-0251	MLF	24-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,078.93	633.81
27 15 23 00-0252	MLF	36-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,260.86	633.81
27 15 23 00-0253	MLF	48-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,414.56	633.81
27 15 23 00-0254	MLF	60-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,665.36	633.81
27 15 23 00-0255	MLF	72-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,000.82	633.81
27 15 23 00-0256	MLF	96-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	11,776.16	633.81
27 15 23 00-0257		50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0242)		
27 15 23 00-0258	MLF	1-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,288.26	563.39
27 15 23 00-0259	MLF	2-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,629.49	563.39
27 15 23 00-0260	MLF	4-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,052.50	563.39
27 15 23 00-0261	MLF	6-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,484.00	563.39
27 15 23 00-0262	MLF	8-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,897.46	563.39

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
27 15 23 00-0263	MLF 12-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,256.69		563.39
	For Aluminum Armored Cable, Add	470.12		
	For Steel Armored Cable, Add	892.20		
	For Work In Restricted Working Space, Add	281.69		
27 15 23 00-0264	MLF 18-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,081.13		633.81
	For Work In Restricted Working Space, Add	316.91		
27 15 23 00-0265	MLF 24-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	7,149.43		633.81
	For Aluminum Armored Cable With Sub-Units, Add	1,810.08		
	For Steel Armored Cable, Add	4,221.63		
	For Work In Restricted Working Space, Add	316.91		
27 15 23 00-0266	MLF 36-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	10,195.97		633.81
	For Work In Restricted Working Space, Add	316.91		
27 15 23 00-0267	MLF 48-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	13,242.51		633.81
	For Aluminum Armored Cable With Sub-Units, Add	5,374.97		
	For Work In Restricted Working Space, Add	316.91		
27 15 23 00-0268	MLF 60-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	16,289.05		633.81
	For Work In Restricted Working Space, Add	316.91		
27 15 23 00-0269	MLF 72-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	19,335.59		633.81
	For Work In Restricted Working Space, Add	316.91		
	For Work In Restricted Working Space, Add	316.91		
27 15 23 00-0270	MLF 96-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	25,450.43		633.81
	For Work In Restricted Working Space, Add	316.91		
	For Aluminum Armored Cable With Sub-Units, Add	10,749.93		
	For Work In Restricted Working Space, Add	316.91		
27 15 23 00-0271	62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0242)			
27 15 23 00-0272	MLF 1-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,305.73		563.39
	For Work In Restricted Working Space, Add	281.69		
27 15 23 00-0273	MLF 2-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,664.02		563.39
	For Work In Restricted Working Space, Add	281.69		
27 15 23 00-0274	MLF 4-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,108.18		563.39
	For Work In Restricted Working Space, Add	281.69		
27 15 23 00-0275	MLF 6-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,561.25		563.39
	For Work In Restricted Working Space, Add	281.69		
27 15 23 00-0276	MLF 8-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,995.38		563.39
	For Work In Restricted Working Space, Add	281.69		
27 15 23 00-0277	MLF 12-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,372.58		563.39
	For Work In Restricted Working Space, Add	281.69		
27 15 23 00-0278	MLF 18-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,232.37		633.81
	For Work In Restricted Working Space, Add	316.91		
27 15 23 00-0279	MLF 24-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	7,454.08		633.81
	For Work In Restricted Working Space, Add	316.91		
27 15 23 00-0280	MLF 36-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	10,652.95		633.81
	For Work In Restricted Working Space, Add	316.91		
27 15 23 00-0281	MLF 48-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	13,851.82		633.81
	For Work In Restricted Working Space, Add	316.91		
27 15 23 00-0282	MLF 60-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	17,050.69		633.81
	For Work In Restricted Working Space, Add	316.91		
27 15 23 00-0283	MLF 72-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	20,249.55		633.81
	For Work In Restricted Working Space, Add	316.91		
27 15 23 00-0284	MLF 96-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	26,670.14		633.81
	For Work In Restricted Working Space, Add	316.91		
27 15 23 00-0285	Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0241)			
27 15 23 00-0286	Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0285)			
27 15 23 00-0287	MLF 2-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,275.42		563.39
	For Work In Restricted Working Space, Add	281.69		
27 15 23 00-0288	MLF 4-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,717.31		563.39
	For Work In Restricted Working Space, Add	281.69		
27 15 23 00-0289	MLF 6-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,779.61		563.39
	For Work In Restricted Working Space, Add	281.69		

			Communications	27	27
			Structured Cabling	27 10	
			Communications Horizontal Cabling	27 15	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0290	MLF	8-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	5,820.71 281.69	563.39
27 15 23 00-0291	MLF	12-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	7,482.27 281.69	563.39
27 15 23 00-0292	MLF	18-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	10,571.69 316.91	633.81
27 15 23 00-0293	MLF	24-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	15,147.21 316.91	633.81
27 15 23 00-0294	MLF	36-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	18,277.22 316.91	633.81
27 15 23 00-0295	MLF	48-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	22,750.41 316.91	633.81
27 15 23 00-0296 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0285)				
27 15 23 00-0297	MLF	2-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	4,842.22 281.69	563.39
27 15 23 00-0298	MLF	4-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	5,982.08 281.69	563.39
27 15 23 00-0299	MLF	6-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	8,016.69 281.69	563.39
27 15 23 00-0300	MLF	8-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	9,053.65 281.69	563.39
27 15 23 00-0301	MLF	12-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	10,662.29 281.69	563.39
27 15 23 00-0302	MLF	18-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	14,504.65 316.91	633.81
27 15 23 00-0303	MLF	24-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	16,992.82 316.91	633.81
27 15 23 00-0304	MLF	36-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	18,720.38 316.91	633.81
27 15 23 00-0305	MLF	48-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	29,780.87 316.91	633.81
27 15 23 00-0306 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0285)				
27 15 23 00-0307	MLF	2-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	5,037.38 281.69	563.39
27 15 23 00-0308	MLF	4-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	6,234.24 281.69	563.39
27 15 23 00-0309	MLF	6-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	8,370.58 281.69	563.39
27 15 23 00-0310	MLF	8-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	9,459.38 281.69	563.39
27 15 23 00-0311	MLF	12-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	11,148.45 281.69	563.39
27 15 23 00-0312	MLF	18-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	15,177.06 316.91	633.81
27 15 23 00-0313	MLF	24-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	17,789.65 316.91	633.81
27 15 23 00-0314	MLF	36-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	19,603.59 316.91	633.81
27 15 23 00-0315	MLF	48-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	31,217.10 316.91	633.81
27 15 23 00-0316 Hybrid, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0001) Note: Singlemode and multimode combination cable. Excludes conduit or innerduct.				
27 15 23 00-0317 Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0316)				
27 15 23 00-0318	MLF	6-Fiber, 2 Singlemode/4 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	1,495.68	422.54
27 15 23 00-0319	MLF	12-Fiber, 6 Singlemode/6 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	2,566.07	422.54
27 15 23 00-0320	MLF	24-Fiber, 12 Singlemode/12 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	5,979.32	492.97
27 15 23 00-0321	MLF	48-Fiber, 24 Singlemode/24 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	9,457.84	492.97

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

27 15 23 00-0322	Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0316)			
27 15 23 00-0323	MLF	6-Fiber, 2 Singlemode/4 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	1,791.80	422.54
27 15 23 00-0324	MLF	12-Fiber, 6 Singlemode/6 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	2,607.74	422.54
27 15 23 00-0325	MLF	24-Fiber, 12 Singlemode/12 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	7,107.33	492.97
27 15 23 00-0326	MLF	48-Fiber, 24 Singlemode/24 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	12,300.28	492.97
27 15 23 00-0327	Hybrid, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0001) Note: Singlemode and multimode combination cable. For non-conduit installations such as cable trays, surface runways, etc.			
27 15 23 00-0328	Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0327)			
27 15 23 00-0329	MLF	6-Fiber, 2 Singlemode/4 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	1,730.41	563.39
		<i>For Work In Restricted Working Space, Add</i>	281.69	
27 15 23 00-0330	MLF	12-Fiber, 6 Singlemode/6 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	2,800.80	563.39
		<i>For Work In Restricted Working Space, Add</i>	281.69	
27 15 23 00-0331	MLF	24-Fiber, 12 Singlemode/12 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	6,214.06	633.81
		<i>For Work In Restricted Working Space, Add</i>	316.91	
27 15 23 00-0332	MLF	48-Fiber, 24 Singlemode/24 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	9,692.58	633.81
		<i>For Work In Restricted Working Space, Add</i>	316.91	
27 15 23 00-0333	Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0327)			
27 15 23 00-0334	MLF	6-Fiber, 2 Singlemode/4 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	2,026.53	563.39
		<i>For Work In Restricted Working Space, Add</i>	281.69	
27 15 23 00-0335	MLF	12-Fiber, 6 Singlemode/6 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	2,842.47	563.39
		<i>For Work In Restricted Working Space, Add</i>	281.69	
27 15 23 00-0336	MLF	24-Fiber, 12 Singlemode/12 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	7,342.07	633.81
		<i>For Work In Restricted Working Space, Add</i>	316.91	
27 15 23 00-0337	MLF	48-Fiber, 24 Singlemode/24 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	12,535.02	633.81
		<i>For Work In Restricted Working Space, Add</i>	316.91	
27 15 23 00-0338	Outdoor Fiber Optic Cable (27 15 23) Note: Cable buried in trench excludes excavation.			
27 15 23 00-0339	Outdoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0338) Note: Excludes conduit or innerduct.			
27 15 23 00-0340	Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0339)			
27 15 23 00-0341	Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0340)			
27 15 23 00-0342	MLF	2-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,988.42	845.08
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	283.28	
27 15 23 00-0343	MLF	4-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,023.68	845.08
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	285.63	
27 15 23 00-0344	MLF	6-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,059.00	845.08
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	287.90	
27 15 23 00-0345	MLF	8-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,094.29	845.08
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	290.66	
27 15 23 00-0346	MLF	12-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,164.42	845.08
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	263.01	
27 15 23 00-0347	MLF	18-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,307.87	845.08
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	293.03	
27 15 23 00-0348	MLF	24-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,381.60	845.08
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	230.68	
27 15 23 00-0349	MLF	36-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,404.35	845.08
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	269.63	
27 15 23 00-0350	MLF	48-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,826.35	845.08
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	296.64	
27 15 23 00-0351	MLF	60-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,059.01	845.08
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	296.61	
27 15 23 00-0352	MLF	72-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,360.87	845.08
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	350.57	
27 15 23 00-0353	MLF	96-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,892.28	845.08
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	336.58	
27 15 23 00-0354	MLF	120-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,472.93	845.08
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	408.71	
27 15 23 00-0355	MLF	144-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	5,080.63	845.08
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	273.59	

Communications			27
Structured Cabling			27 10
Communications Horizontal Cabling			27 15
MINOR	CSI	UOM	DESCRIPTION
			TOTAL DIRECT UNIT COST
			DEMOLITION UNIT COST

27 15 23 00-0356	50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	(27 15 23 00-0340)		
27 15 23 00-0357	MLF 2-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit		2,791.23	845.08
	For Corrugated Coated Steel Tape Armored Cable, Add		-4.02	
27 15 23 00-0358	MLF 4-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit		2,869.72	845.08
	For Corrugated Coated Steel Tape Armored Cable, Add		41.21	
27 15 23 00-0359	MLF 6-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit		3,034.15	845.08
	For Corrugated Coated Steel Tape Armored Cable, Add		106.57	
27 15 23 00-0360	MLF 8-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit		3,258.38	845.08
	For Corrugated Coated Steel Tape Armored Cable, Add		-64.62	
27 15 23 00-0361	MLF 12-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit		3,351.81	845.08
	For Corrugated Coated Steel Tape Armored Cable, Add		-34.32	
27 15 23 00-0362	MLF 18-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit		3,669.48	845.08
	For Corrugated Coated Steel Tape Armored Cable, Add		-16.15	
27 15 23 00-0363	MLF 24-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit		4,342.17	845.08
	For Corrugated Coated Steel Tape Armored Cable, Add		-87.85	
27 15 23 00-0364	MLF 36-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit		5,332.53	845.08
	For Corrugated Coated Steel Tape Armored Cable, Add		0.01	
27 15 23 00-0365	MLF 48-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit		6,435.00	845.08
	For Corrugated Coated Steel Tape Armored Cable, Add		-200.97	
27 15 23 00-0366	MLF 60-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit		7,201.13	845.08
	For Corrugated Coated Steel Tape Armored Cable, Add		-100.97	
27 15 23 00-0367	MLF 72-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit		8,191.49	845.08
	For Corrugated Coated Steel Tape Armored Cable, Add		464.14	
27 15 23 00-0368	MLF 96-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit		10,489.87	845.08
	For Corrugated Coated Steel Tape Armored Cable, Add		-208.04	
27 15 23 00-0369	MLF 120-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit		12,769.56	845.08
	For Corrugated Coated Steel Tape Armored Cable, Add		-278.22	
27 15 23 00-0370	MLF 144-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit		15,049.25	845.08
	For Corrugated Coated Steel Tape Armored Cable, Add		-330.75	
27 15 23 00-0371	62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	(27 15 23 00-0340)		
27 15 23 00-0372	MLF 2-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit		1,743.71	845.08
	For Corrugated Coated Steel Tape Armored Cable, Add		121.14	
27 15 23 00-0373	MLF 4-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit		1,860.18	845.08
	For Corrugated Coated Steel Tape Armored Cable, Add		129.91	
27 15 23 00-0374	MLF 6-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit		1,976.47	845.08
	For Corrugated Coated Steel Tape Armored Cable, Add		138.47	
27 15 23 00-0375	MLF 8-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit		2,120.13	845.08
	For Corrugated Coated Steel Tape Armored Cable, Add		157.64	
27 15 23 00-0376	MLF 12-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit		2,325.87	845.08
	For Corrugated Coated Steel Tape Armored Cable, Add		164.38	
27 15 23 00-0377	MLF 18-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit		2,689.62	845.08
	For Corrugated Coated Steel Tape Armored Cable, Add		175.19	
27 15 23 00-0378	MLF 24-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit		3,034.19	845.08
	For Corrugated Coated Steel Tape Armored Cable, Add		201.47	
27 15 23 00-0379	MLF 36-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit		3,693.64	845.08
	For Corrugated Coated Steel Tape Armored Cable, Add		223.88	
27 15 23 00-0380	MLF 48-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit		4,464.97	845.08
	For Corrugated Coated Steel Tape Armored Cable, Add		257.42	
27 15 23 00-0381	MLF 60-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit		5,177.39	845.08
	For Corrugated Coated Steel Tape Armored Cable, Add		277.00	
27 15 23 00-0382	MLF 72-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit		5,929.32	845.08
	For Corrugated Coated Steel Tape Armored Cable, Add		313.52	
27 15 23 00-0383	MLF 96-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit		7,450.11	845.08
	For Corrugated Coated Steel Tape Armored Cable, Add		352.51	
27 15 23 00-0384	MLF 120-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit		8,995.32	845.08
	For Corrugated Coated Steel Tape Armored Cable, Add		400.06	
27 15 23 00-0385	MLF 144-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit		10,564.38	845.08
	For Corrugated Coated Steel Tape Armored Cable, Add		367.48	
27 15 23 00-0386	Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	(27 15 23 00-0339)		
27 15 23 00-0387	Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	(27 15 23 00-0386)		
27 15 23 00-0388	MLF 2-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit		2,190.38	845.08
	For Corrugated Coated Steel Tape Armored Cable, Add		223.86	
27 15 23 00-0389	MLF 4-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit		2,259.15	845.08
	For Corrugated Coated Steel Tape Armored Cable, Add		321.31	
27 15 23 00-0390	MLF 6-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit		2,279.80	845.08
	For Corrugated Coated Steel Tape Armored Cable, Add		307.93	
27 15 23 00-0391	MLF 8-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit		2,362.18	845.08
	For Corrugated Coated Steel Tape Armored Cable, Add		256.34	
27 15 23 00-0392	MLF 12-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit		2,387.89	845.08
	For Corrugated Coated Steel Tape Armored Cable, Add		306.37	
27 15 23 00-0393	MLF 18-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit		2,503.34	845.08
	For Corrugated Coated Steel Tape Armored Cable, Add		290.57	
27 15 23 00-0394	MLF 24-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit		2,606.86	845.08
	For Corrugated Coated Steel Tape Armored Cable, Add		294.02	
27 15 23 00-0395	MLF 36-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit		2,772.00	845.08
	For Corrugated Coated Steel Tape Armored Cable, Add		372.85	
27 15 23 00-0396	MLF 48-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit		3,004.66	845.08
	For Corrugated Coated Steel Tape Armored Cable, Add		377.71	

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

27 15 23 00-0397	MLF 60-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	3,236.42	845.08
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	391.31	
27 15 23 00-0398	MLF 72-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	3,550.62	845.08
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	336.59	
27 15 23 00-0399	MLF 96-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	4,058.86	845.08
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	438.97	
27 15 23 00-0400	MLF 120-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	4,723.77	845.08
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	432.24	
27 15 23 00-0401	MLF 144-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	5,267.88	845.08
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	345.27	

27 15 23 00-0402 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit
(27 15 23 00-0396)

27 15 23 00-0403	MLF 2-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	2,422.23	845.08
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	316.80	
27 15 23 00-0404	MLF 4-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	2,663.00	845.08
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	177.41	
27 15 23 00-0405	MLF 6-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	2,979.80	845.08
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	38.02	
27 15 23 00-0406	MLF 8-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	3,131.86	845.08
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	63.36	
27 15 23 00-0407	MLF 12-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	3,283.93	845.08
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	63.36	
27 15 23 00-0408	MLF 18-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	3,638.74	845.08
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	76.03	
27 15 23 00-0409	MLF 24-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	3,955.54	845.08
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	291.46	
27 15 23 00-0410	MLF 36-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	4,639.83	845.08
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	570.24	
27 15 23 00-0411	MLF 48-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	5,324.12	845.08
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	950.40	
27 15 23 00-0412	MLF 60-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	5,894.36	845.08
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,045.44	
27 15 23 00-0413	MLF 72-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	6,642.01	845.08
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,330.56	
27 15 23 00-0414	MLF 96-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	8,200.66	845.08
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,964.16	
27 15 23 00-0415	MLF 120-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	8,986.33	845.08
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,482.62	
27 15 23 00-0416	MLF 144-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	11,001.17	845.08
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,611.52	

27 15 23 00-0417 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit
(27 15 23 00-0396)

27 15 23 00-0418	MLF 2-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	1,822.35	845.08
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	152.06	
27 15 23 00-0419	MLF 4-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	1,936.40	845.08
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	164.38	
27 15 23 00-0420	MLF 6-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	2,050.26	845.08
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	176.68	
27 15 23 00-0421	MLF 8-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	2,164.31	845.08
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	188.97	
27 15 23 00-0422	MLF 12-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	2,459.74	845.08
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	203.26	
27 15 23 00-0423	MLF 18-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	2,749.44	845.08
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	238.19	
27 15 23 00-0424	MLF 24-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	3,104.41	845.08
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	258.71	
27 15 23 00-0425	MLF 36-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	3,791.50	845.08
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	319.65	
27 15 23 00-0426	MLF 48-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	4,491.44	845.08
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	366.23	
27 15 23 00-0427	MLF 60-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	5,193.79	845.08
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	407.82	
27 15 23 00-0428	MLF 72-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	5,932.29	845.08
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	454.78	
27 15 23 00-0429	MLF 96-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	7,430.92	845.08
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	536.25	
27 15 23 00-0430	MLF 120-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	9,365.22	845.08
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	554.35	
27 15 23 00-0431	MLF 144-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	10,498.79	845.08
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	572.27	

27 15 23 00-0432 Outdoor Fiber Optic Cable, Buried In Trench
(27 15 23 00-0338)

Note: Excludes trenching.

27 15 23 00-0433 Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench
(27 15 23 00-0432)
27 15 23 00-0434 Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench
(27 15 23 00-0433)

27 15 23 00-0435	MLF 2-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,871.05	
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	283.28	
27 15 23 00-0436	MLF 4-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,906.31	
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	285.63	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 15 23 00-0437	MLF	6-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,941.63		
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	287.90		
27 15 23 00-0438	MLF	8-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,976.92		
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	290.66		
27 15 23 00-0439	MLF	12-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,047.05		
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	263.01		
27 15 23 00-0440	MLF	18-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,190.50		
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	293.03		
27 15 23 00-0441	MLF	24-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,264.23		
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	230.68		
27 15 23 00-0442	MLF	36-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,286.98		
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	269.63		
27 15 23 00-0443	MLF	48-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,708.98		
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	296.64		
27 15 23 00-0444	MLF	60-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,238.25		
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	296.61		
27 15 23 00-0445	MLF	72-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,594.07		
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	350.57		
27 15 23 00-0446	MLF	96-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,774.91		
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	336.58		
27 15 23 00-0447	MLF	120-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,355.56		
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	408.71		
27 15 23 00-0448	MLF	144-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,963.26		
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	273.59		

27 15 23 00-0449 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench (27 15 23 00-0433)

27 15 23 00-0450	MLF	2-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,673.86		
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	-4.02		
27 15 23 00-0451	MLF	4-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,752.35		
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	41.21		
27 15 23 00-0452	MLF	6-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,916.78		
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	106.57		
27 15 23 00-0453	MLF	8-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,141.01		
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	-64.62		
27 15 23 00-0454	MLF	12-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,234.44		
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	-34.32		
27 15 23 00-0455	MLF	18-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,552.11		
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	-16.15		
27 15 23 00-0456	MLF	24-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,224.80		
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	-87.85		
27 15 23 00-0457	MLF	36-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	5,215.16		
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	0.01		
27 15 23 00-0458	MLF	48-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	6,317.63		
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	-200.97		
27 15 23 00-0459	MLF	60-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	7,083.76		
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	-100.97		
27 15 23 00-0460	MLF	72-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	8,074.12		
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	464.14		
27 15 23 00-0461	MLF	96-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	10,372.50		
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	-208.04		
27 15 23 00-0462	MLF	120-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	12,652.19		
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	-278.22		
27 15 23 00-0463	MLF	144-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	14,931.88		
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	-330.75		

27 15 23 00-0464 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench (27 15 23 00-0433)

27 15 23 00-0465	MLF	2-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,626.34		
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	121.14		
27 15 23 00-0466	MLF	4-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,742.81		
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	129.91		
27 15 23 00-0467	MLF	6-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,859.10		
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	138.47		
27 15 23 00-0468	MLF	8-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,002.76		
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	157.64		
27 15 23 00-0469	MLF	12-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,208.50		
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	164.38		
27 15 23 00-0470	MLF	18-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,572.25		
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	175.19		
27 15 23 00-0471	MLF	24-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,916.82		
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	201.47		
27 15 23 00-0472	MLF	36-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,576.27		
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	223.88		
27 15 23 00-0473	MLF	48-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,347.60		
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	257.42		
27 15 23 00-0474	MLF	60-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	5,060.02		
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	277.00		
27 15 23 00-0475	MLF	72-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	5,811.95		
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	313.52		
27 15 23 00-0476	MLF	96-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	7,332.74		
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	352.51		
27 15 23 00-0477	MLF	120-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	8,877.95		
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	400.06		
27 15 23 00-0478	MLF	144-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	10,447.01		
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	367.48		

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

27 15 23 00-0479	Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ^(27 15 23 00-0432)	
27 15 23 00-0480	Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ^(27 15 23 00-0479)	
27 15 23 00-0481	MLF 2-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,073.01 223.86
27 15 23 00-0482	MLF 4-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,141.78 321.31
27 15 23 00-0483	MLF 6-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,162.43 307.93
27 15 23 00-0484	MLF 8-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,244.81 256.34
27 15 23 00-0485	MLF 12-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,270.52 306.37
27 15 23 00-0486	MLF 18-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,385.97 290.57
27 15 23 00-0487	MLF 24-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,489.49 294.02
27 15 23 00-0488	MLF 36-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,654.63 372.85
27 15 23 00-0489	MLF 48-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,887.29 377.71
27 15 23 00-0490	MLF 60-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,119.05 391.31
27 15 23 00-0491	MLF 72-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,433.25 336.59
27 15 23 00-0492	MLF 96-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,941.49 438.97
27 15 23 00-0493	MLF 120-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,606.40 432.24
27 15 23 00-0494	MLF 144-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,150.51 345.27
27 15 23 00-0495	50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ^(27 15 23 00-0479)	
27 15 23 00-0496	MLF 2-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,304.86 316.80
27 15 23 00-0497	MLF 4-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,545.63 177.41
27 15 23 00-0498	MLF 6-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,862.43 38.02
27 15 23 00-0499	MLF 8-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,014.49 63.36
27 15 23 00-0500	MLF 12-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,166.56 63.36
27 15 23 00-0501	MLF 18-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,521.37 76.03
27 15 23 00-0502	MLF 24-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,838.17 291.46
27 15 23 00-0503	MLF 36-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,522.46 570.24
27 15 23 00-0504	MLF 48-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,206.75 950.40
27 15 23 00-0505	MLF 60-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,776.99 1,045.44
27 15 23 00-0506	MLF 72-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,524.64 1,330.56
27 15 23 00-0507	MLF 96-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,083.29 1,964.16
27 15 23 00-0508	MLF 120-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,868.96 1,482.62
27 15 23 00-0509	MLF 144-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	10,883.80 3,611.52
27 15 23 00-0510	62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ^(27 15 23 00-0479)	
27 15 23 00-0511	MLF 2-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,704.98 152.06
27 15 23 00-0512	MLF 4-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,819.03 164.38
27 15 23 00-0513	MLF 6-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,932.89 176.68
27 15 23 00-0514	MLF 8-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,046.94 188.97
27 15 23 00-0515	MLF 12-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,342.37 203.26
27 15 23 00-0516	MLF 18-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,632.07 238.19
27 15 23 00-0517	MLF 24-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,987.04 258.71
27 15 23 00-0518	MLF 36-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,674.13 319.65

			Communications	27	27
			Structured Cabling	27 10	
			Communications Horizontal Cabling	27 15	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0519	MLF	48-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,374.07 366.23	
27 15 23 00-0520	MLF	60-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,076.42 407.82	
27 15 23 00-0521	MLF	72-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,814.92 454.78	
27 15 23 00-0522	MLF	96-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,313.55 536.25	
27 15 23 00-0523	MLF	120-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,910.19 554.35	
27 15 23 00-0524	MLF	144-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	10,381.42 572.27	
27 15 23 00-0525		(Aerial) Outdoor Fiber Optic Cable, Installed On Poles (27 15 23 00-0338)		
27 15 23 00-0526		Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles (27 15 23 00-0525)		
27 15 23 00-0527		Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles (27 15 23 00-0526)		
27 15 23 00-0528	MLF	2-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,185.52 189.47	3,129.50
27 15 23 00-0529	MLF	4-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,220.56 194.38	3,129.50
27 15 23 00-0530	MLF	6-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,256.07 199.15	3,129.50
27 15 23 00-0531	MLF	8-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,291.12 195.34	3,129.50
27 15 23 00-0532	MLF	12-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,361.23 227.73	3,129.50
27 15 23 00-0533	MLF	18-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,499.69 236.75	3,129.50
27 15 23 00-0534	MLF	24-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,605.28 261.68	3,129.50
27 15 23 00-0535	MLF	36-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,856.34 250.91	3,129.50
27 15 23 00-0536	MLF	48-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	10,075.89 291.49	3,129.50
27 15 23 00-0537	MLF	60-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	10,257.39 279.52	3,129.50
27 15 23 00-0538	MLF	72-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	10,483.81 319.58	3,129.50
27 15 23 00-0539	MLF	96-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	11,078.03 324.58	3,129.50
27 15 23 00-0540	MLF	120-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	11,715.57 387.31	3,129.50
27 15 23 00-0541	MLF	144-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	11,868.41 415.88	3,129.50
27 15 23 00-0542		Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0338) Note: Singlemode and multimode combination cable. Excludes conduit or innerduct.		
27 15 23 00-0543		Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0542)		
27 15 23 00-0544	MLF	12-Fiber, 6 Singlemode/6 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	3,856.37	704.24
27 15 23 00-0545	MLF	24-Fiber, 12 Singlemode/12 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	4,882.31	704.24
27 15 23 00-0546	MLF	48-Fiber, 24 Singlemode/24 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	7,167.74	704.24
27 15 23 00-0547		Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0542)		
27 15 23 00-0548	MLF	12-Fiber, 6 Singlemode/6 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	5,164.91	704.24
27 15 23 00-0549	MLF	24-Fiber, 12 Singlemode/12 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	5,747.93	704.24
27 15 23 00-0550	MLF	48-Fiber, 24 Singlemode/24 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	8,298.25	704.24
27 15 23 00-0551		Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench (27 15 23 00-0338) Note: Singlemode and multimode combination cable. Excludes trenching.		
27 15 23 00-0552		Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench (27 15 23 00-0551)		
27 15 23 00-0553	MLF	12-Fiber, 6 Singlemode/6 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	3,739.00	645.54
27 15 23 00-0554	MLF	24-Fiber, 12 Singlemode/12 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	4,764.94	645.54
27 15 23 00-0555	MLF	48-Fiber, 24 Singlemode/24 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	7,050.37	645.54
27 15 23 00-0556		Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench (27 15 23 00-0551)		
27 15 23 00-0557	MLF	12-Fiber, 6 Singlemode/6 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	5,047.54	645.54
27 15 23 00-0558	MLF	24-Fiber, 12 Singlemode/12 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	5,630.56	645.54

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**
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27 15 23 00-0559	MLF	48-Fiber, 24 Singlemode/24 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	8,180.88	645.54
27 15 23 00-0560		Indoor/Outdoor Fiber Optic Cable (27 15 23)		
27 15 23 00-0561		Indoor/Outdoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0560) Note: Excludes conduit or innerduct.		
27 15 23 00-0562		Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0561)		
27 15 23 00-0563		Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0562)		
27 15 23 00-0564	MLF	1-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	1,389.18	422.54
27 15 23 00-0565	MLF	2-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	1,509.02	422.54
27 15 23 00-0566	MLF	4-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	1,577.94	422.54
27 15 23 00-0567	MLF	6-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	1,806.60	422.54
27 15 23 00-0568	MLF	8-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	1,861.74	422.54
27 15 23 00-0569	MLF	12-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	2,042.86	422.54
27 15 23 00-0570	MLF	18-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	4,588.76	492.97
27 15 23 00-0571	MLF	24-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	5,814.11	492.97
27 15 23 00-0572	MLF	36-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	7,895.20	492.97
27 15 23 00-0573	MLF	48-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	8,252.32	492.97
27 15 23 00-0574	MLF	60-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	9,497.47	492.97
27 15 23 00-0575	MLF	72-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	10,605.46	492.97
27 15 23 00-0576	MLF	96-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	12,300.66	492.97
27 15 23 00-0577	MLF	1-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	1,971.37	422.54
27 15 23 00-0578	MLF	2-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	2,193.08	422.54
27 15 23 00-0579	MLF	4-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	2,320.59	422.54
27 15 23 00-0580	MLF	6-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	2,743.60	422.54
27 15 23 00-0581	MLF	8-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	2,845.61	422.54
27 15 23 00-0582	MLF	12-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	3,180.68	422.54
27 15 23 00-0583	MLF	18-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	7,790.83	492.97
27 15 23 00-0584	MLF	24-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	10,057.73	492.97
27 15 23 00-0585	MLF	36-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	13,907.74	492.97
27 15 23 00-0586	MLF	48-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	14,568.43	492.97
27 15 23 00-0587	MLF	60-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	16,871.94	492.97
27 15 23 00-0588	MLF	72-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	18,921.74	492.97
27 15 23 00-0589	MLF	96-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	22,057.85	492.97
27 15 23 00-0590		Indoor/Outdoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0589) Note: For non-conduit installations such as cable trays, surface runways, etc.		
27 15 23 00-0591		Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0590)		
27 15 23 00-0592		Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0591)		
27 15 23 00-0593	MLF	1-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed For Work In Restricted Working Space, Add	1,623.91 281.69	563.39
27 15 23 00-0594	MLF	2-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed For Work In Restricted Working Space, Add	1,743.75 281.69	563.39
27 15 23 00-0595	MLF	4-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed For Work In Restricted Working Space, Add	1,812.67 281.69	563.39
27 15 23 00-0596	MLF	6-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed For Work In Restricted Working Space, Add	2,041.33 281.69	563.39
27 15 23 00-0597	MLF	8-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed For Work In Restricted Working Space, Add	2,096.47 281.69	563.39
27 15 23 00-0598	MLF	12-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed For Work In Restricted Working Space, Add	2,277.59 281.69	563.39
27 15 23 00-0599	MLF	18-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed For Work In Restricted Working Space, Add	4,823.50 316.91	633.81
27 15 23 00-0600	MLF	24-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed For Work In Restricted Working Space, Add	6,048.85 316.91	633.81

		Communications	27	27
		Structured Cabling	27 10	
		Communications Horizontal Cabling	27 15	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0601	MLF		36-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed 8,129.94 <i>For Work In Restricted Working Space, Add</i> 316.91		633.81
27 15 23 00-0602	MLF		48-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed 8,487.06 <i>For Work In Restricted Working Space, Add</i> 316.91		633.81
27 15 23 00-0603	MLF		60-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed 9,732.21 <i>For Work In Restricted Working Space, Add</i> 316.91		633.81
27 15 23 00-0604	MLF		72-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed 10,840.20 <i>For Work In Restricted Working Space, Add</i> 316.91		633.81
27 15 23 00-0605	MLF		96-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed 12,535.40 <i>For Work In Restricted Working Space, Add</i> 316.91		633.81
27 15 23 00-0606	MLF		1-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed 2,206.10 <i>For Work In Restricted Working Space, Add</i> 281.69		563.39
27 15 23 00-0607	MLF		2-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed 2,427.81 <i>For Work In Restricted Working Space, Add</i> 281.69		563.39
27 15 23 00-0608	MLF		4-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed 2,555.32 <i>For Work In Restricted Working Space, Add</i> 281.69		563.39
27 15 23 00-0609	MLF		6-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed 2,978.33 <i>For Work In Restricted Working Space, Add</i> 281.69		563.39
27 15 23 00-0610	MLF		8-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed 3,080.34 <i>For Work In Restricted Working Space, Add</i> 281.69		563.39
27 15 23 00-0611	MLF		12-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed 3,415.41 <i>For Work In Restricted Working Space, Add</i> 281.69		563.39
27 15 23 00-0612	MLF		18-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed 8,025.57 <i>For Work In Restricted Working Space, Add</i> 316.91		633.81
27 15 23 00-0613	MLF		24-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed 10,292.47 <i>For Work In Restricted Working Space, Add</i> 316.91		633.81
27 15 23 00-0614	MLF		36-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed 14,142.48 <i>For Work In Restricted Working Space, Add</i> 316.91		633.81
27 15 23 00-0615	MLF		48-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed 14,803.17 <i>For Work In Restricted Working Space, Add</i> 316.91		633.81
27 15 23 00-0616	MLF		60-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed 17,106.68 <i>For Work In Restricted Working Space, Add</i> 316.91		633.81
27 15 23 00-0617	MLF		72-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed 19,156.48 <i>For Work In Restricted Working Space, Add</i> 316.91		633.81
27 15 23 00-0618	MLF		96-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor/Outdoor Fiber Optic Cable, Installed Exposed 22,292.59 <i>For Work In Restricted Working Space, Add</i> 316.91		633.81
27 15 33 Communications Coaxial Horizontal Cabling (27 15)					
Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.					
27 15 33 00-0001			Indoor Coaxial Cable (27 15 33)		
27 15 33 00-0002			Coaxial, Indoor Telecommunications Cable (27 15 33 00-0001)		
27 15 33 00-0003			Coaxial, Indoor Telecommunications Cable, Installed In Conduit (27 15 33 00-0002)		
27 15 33 00-0004	MLF		RG 59/U Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 9108).....	1,822.31	492.97
27 15 33 00-0005	MLF		RG 59/U Plenum Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 82108).....	4,676.63	492.97
27 15 33 00-0006	MLF		RG 6/U Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 9114).....	1,420.85	563.39
27 15 33 00-0007	MLF		RG 6/U Plenum Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 82120)	5,918.38	563.39
27 15 33 00-0008			Coaxial, Indoor Telecommunications Cable, Installed Exposed (27 15 33 00-0002)		
27 15 33 00-0009	MLF		RG 59/U Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 9108).....	2,643.91	985.93
			<i>For Work In Restricted Working Space, Add</i> 492.96		
27 15 33 00-0010	MLF		RG 59/U Plenum Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 82108).....	5,498.23	985.93
			<i>For Work In Restricted Working Space, Add</i> 492.96		
27 15 33 00-0011	MLF		RG 6/U Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 9114).....	2,359.84	1,126.77
			<i>For Work In Restricted Working Space, Add</i> 563.39		
27 15 33 00-0012	MLF		RG 6/U Plenum Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 82120).....	6,857.37	1,126.77
			<i>For Work In Restricted Working Space, Add</i> 563.39		
27 15 33 00-0013			Coaxial Distribution Cable (27 15 33 00-0001)		
Note: Cables shall be as Belden, Times Fiber, West Penn or approved equal. For tasks installed in conduit, tasks exclude conduit.					
27 15 33 00-0014	MLF		RG-6/U Coaxial Distribution Cable, Installed In Conduit.....	3,166.85	343.14
27 15 33 00-0015	MLF		RG-6A/U Coaxial Distribution Cable, Installed In Conduit	12,768.43	343.14
27 15 33 00-0016	MLF		RG-8/U Coaxial Distribution Cable, Installed In Conduit	6,521.07	362.44
27 15 33 00-0017	MLF		RG-8A/U Coaxial Distribution Cable, Installed In Conduit	8,324.66	362.44
27 15 33 00-0018	MLF		RG-11/U Coaxial Distribution Cable, Installed In Conduit.....	7,282.90	428.92
27 15 33 00-0019	MLF		RG-11A/U Coaxial Distribution Cable, Installed In Conduit	10,770.90	428.92
27 15 33 00-0020	MLF		RG-11/U Coaxial Distribution Cable, Plenum Rated, Installed Exposed.....	23,670.03	600.49
27 15 33 00-0021	MLF		RG-58/U Coaxial Distribution Cable, Installed In Conduit.....	2,281.95	300.25
27 15 33 00-0022	MLF		RG-58A/U Coaxial Distribution Cable, Installed In Conduit	2,639.34	300.25

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

27 15 33 00-0023	MLF	RG-58C/U Coaxial Distribution Cable, Installed In Conduit	3,268.91	300.25
27 15 33 00-0024	MLF	RG-58/U Coaxial Distribution Cable, Plenum Rated, Installed Exposed	8,131.79	600.49
27 15 33 00-0025	MLF	RG-59/U Coaxial Distribution Cable, Installed In Conduit	3,951.66	300.25
27 15 33 00-0026	MLF	RG-59/U Coaxial Distribution Cable, Plenum Rated, Installed Exposed	10,005.01	600.49
27 15 33 00-0027	MLF	1/2" Hard Line Coaxial, Installed In Conduit	3,107.54	428.92

27 15 33 00-0028 Outdoor Coaxial Cable (27 15 33)**27 15 33 00-0029 Coaxial Cables "Television" Copper Covered Aluminum Center Core** (27 15 33 00-0029)

Note: Corrugated steel armor jacket.

27 15 33 00-0030	MLF	TV Coaxial Trunk Cable 3/4" Diameter, Direct Burial	7,987.66	1,605.46
27 15 33 00-0031	MLF	TV Coaxial Distribution Cable 1/2" Diameter, Direct Burial	4,861.67	1,129.24
27 15 33 00-0032	MLF	TV Coaxial Distribution Cable 3/8" Diameter, Direct Burial	4,536.53	666.23
27 15 33 00-0033	MLF	TV Coaxial Cable Drop 1/4" Diameter, Direct Burial	2,033.03	666.23
27 15 33 00-0034	MLF	1/4" Diameter, TV Coaxial Cable Drop, Installed In Conduit	2,969.96	1,040.99

27 15 43 Communications Faceplates and Connectors (27 15)**27 15 43 00-0001 Wall Mounted Telephone Faceplates** (27 15 43)

Note: Includes standard telephone mounting studs.

27 15 43 00-0002 Plastic Faceplates For Wall Mounted Telephones (27 15 43 00-0001)

27 15 43 00-0003	EA	Single Gang, 6-Position RJ25 Jack, Flush, Plastic Faceplate For Wall Mounted Telephones	42.82	14.67
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27 15 43 00-0004 Stainless Steel Faceplates For Wall Mounted Telephones (27 15 43 00-0001)

27 15 43 00-0005	EA	Single Gang, Keystone Opening, Flush, Stainless Steel Faceplate For Wall Mounted Telephones	35.12	5.87
Note: Requires one snap-in modular jack.				
27 15 43 00-0006	EA	Single Gang, 6-Position RJ25 Jack, Flush, Stainless Steel Faceplate For Wall Mounted Telephones	60.92	14.67
27 15 43 00-0007	EA	Single Gang, 8-Position RJ45 Jack, Flush, Stainless Steel Faceplate For Wall Mounted Telephones	70.88	17.61
27 15 43 00-0008	EA	Single Gang, Keystone Opening, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones	33.75	5.87
Note: Requires one snap-in modular jack.				
27 15 43 00-0009	EA	Single Gang, 6-Position RJ25 Jack, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones	55.15	14.67
27 15 43 00-0010	EA	Single Gang, 8-Position RJ45 Jack, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones	65.26	17.61

27 15 43 00-0011 Plastic Communications Faceplates (27 15 43)

Note: Excludes modular jacks. See CSI section 27 15 43 00-0056 for modular jacks.

27 15 43 00-0012	EA	One Port, Single Gang, Plastic Communication Faceplate With Station ID	9.64	2.94
27 15 43 00-0013	EA	Two Port, Single Gang, Plastic Communication Faceplate With Station ID	9.64	2.94
27 15 43 00-0014	EA	Three Port, Single Gang, Plastic Communication Faceplate With Station ID	9.64	2.94
27 15 43 00-0015	EA	Four Port, Single Gang, Plastic Communication Faceplate With Station ID	9.64	2.94
27 15 43 00-0016	EA	Six Port, Single Gang, Plastic Communication Faceplate With Station ID	9.64	2.94
27 15 43 00-0017	EA	Four Port, Double Gang, Plastic Communications Faceplate With Station ID	17.18	2.94
27 15 43 00-0018	EA	Six Port, Double Gang, Plastic Communication Faceplate With Station ID	17.18	2.94
27 15 43 00-0019	EA	Eight Port, Double Gang, Plastic Communication Faceplate With Station ID	17.18	2.94
27 15 43 00-0020	EA	Nine Port, Double Gang, Plastic Communication Faceplate With Station ID	17.18	2.94
27 15 43 00-0021	EA	Twelve Port, Double Gang, Plastic Communication Faceplate With Station ID	17.18	2.94

27 15 43 00-0022 Stainless Steel Communications Faceplates (27 15 43)

Note: Excludes modular jacks. See CSI section 27 15 43 00-0056 for modular jacks.

27 15 43 00-0023 Stainless Steel Communications Faceplates (27 15 43 00-0022)

27 15 43 00-0024	EA	One Port, Single Gang, Stainless Steel Communications Faceplate	18.74	2.94
27 15 43 00-0025	EA	Two Port, Single Gang, Stainless Steel Communications Faceplate	18.74	2.94
27 15 43 00-0026	EA	Three Port, Single Gang, Stainless Steel Communications Faceplate	18.74	2.94
27 15 43 00-0027	EA	Four Port, Single Gang, Stainless Steel Communications Faceplate	20.07	2.94
27 15 43 00-0028	EA	Six Port, Single Gang, Stainless Steel Communications Faceplate	20.07	2.94
27 15 43 00-0029	EA	Four Port, Double Gang, Stainless Steel Communications Faceplate	27.25	2.94
27 15 43 00-0030	EA	Six Port, Double Gang, Stainless Steel Communications Faceplate	28.09	2.94
27 15 43 00-0031	EA	Eight Port, Double Gang, Stainless Steel Communications Faceplate	32.60	2.94
27 15 43 00-0032	EA	Nine Port, Double Gang, Stainless Steel Communication Faceplate	32.60	2.94
27 15 43 00-0033	EA	Twelve Port, Double Gang, Stainless Steel Communications Faceplate	32.60	2.94

27 15 43 00-0034 Stainless Steel Communications Faceplates With Station ID (27 15 43 00-0022)

27 15 43 00-0035	EA	One Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	27.09	2.94
27 15 43 00-0036	EA	Two Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	27.09	2.94
27 15 43 00-0037	EA	Three Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	27.09	2.94
27 15 43 00-0038	EA	Four Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	27.09	2.94
27 15 43 00-0039	EA	Six Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	27.09	2.94
27 15 43 00-0040	EA	Four Port, Double Gang, Stainless Steel Communications Faceplate With Station ID	58.98	2.94
27 15 43 00-0041	EA	Six Port, Double Gang, Stainless Steel Communications Faceplate With Station ID	58.98	2.94
27 15 43 00-0042	EA	Eight Port, Double Gang, Stainless Steel Communications Faceplate With Station ID	58.98	2.94
27 15 43 00-0043	EA	Nine Port, Double Gang, Stainless Steel Communication Faceplate With Station ID	58.98	2.94
27 15 43 00-0044	EA	Twelve Port, Double Gang, Stainless Steel Communications Faceplate With Station ID	58.98	2.94

27 15 43 00-0045 Industrial Stainless Steel Communications Faceplates (Leviton®

Duraport®) (27 15 43 00-0022)

Note: For twist-lock connector housings. Includes over-molded gasket and mounting holes with embedded sealing. Excludes connector housings.

			Communications	27	27
			Structured Cabling	27 10	
			Communications Horizontal Cabling	27 15	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 43 00-0046	EA	One Port, Single Gang, Stainless Steel Communications Faceplate (Leviton® Duraport®).....	48.30	2.94
27 15 43 00-0047	EA	Two Port, Single Gang, Stainless Steel Communications Faceplate (Leviton® Duraport®).....	48.30	2.94
27 15 43 00-0048	EA	Two Port, Double Gang, Stainless Steel Communications Faceplate (Leviton® Duraport®).....	52.85	2.94
27 15 43 00-0049	EA	Four Port, Double Gang, Stainless Steel Communications Faceplate (Leviton® Duraport®).....	52.85	2.94
27 15 43 00-0050 Surface Mount Plastic Communication Boxes (27 15 43)				
Note: Excludes modular jacks. See CSI section 27 15 43 00-0056 for modular jacks.				
27 15 43 00-0051	EA	One Port, Surface Mount Plastic Communication Box With Station ID.....	34.16	14.70
27 15 43 00-0052	EA	Two Port, Surface Mount Plastic Communication Box With Station ID.....	34.99	14.70
27 15 43 00-0053	EA	Four Port, Surface Mount Plastic Communication Box With Station ID.....	40.75	14.70
27 15 43 00-0054	EA	Six Port, Surface Mount Plastic Communication Box With Station ID.....	47.60	14.70
27 15 43 00-0055	EA	Twelve Port, Surface Mount Plastic Communication Box With Station ID.....	54.78	14.70
27 15 43 00-0056 Snap-In Modular Jacks (27 15 43)				
Note: Includes termination.				
27 15 43 00-0057	EA	Cat 3, Snap-In Modular Jack.....	33.03	11.76
27 15 43 00-0058	EA	Category 5E, Snap-In Modular Jack.....	34.86	11.76
27 15 43 00-0059	EA	Category 5E Shielded, Snap-In Modular Jack.....	40.37	11.76
27 15 43 00-0060	EA	Cat 6, Snap-In Modular Jack.....	40.37	11.76
27 15 43 00-0061	EA	Cat 6 Shielded, Snap-In Modular Jack.....	46.55	11.76
27 15 43 00-0062	EA	Cat 6A, Snap-In Modular Jack.....	47.49	11.76
27 15 43 00-0063	EA	Voice, RJ-11, Snap-In Modular Jack.....	24.72	5.88
27 15 43 00-0064	EA	SC Type Fiber Optic, Snap-In Modular Jack.....	37.20	11.76
27 15 43 00-0065	EA	ST Type Fiber Optic, Snap-In Modular Jack.....	41.88	11.76
27 15 43 00-0066	EA	LC Type Fiber Optic, Snap-In Modular Jack.....	51.06	11.76
27 15 43 00-0067	EA	Blank Fill In, Snap-In Modular Jack.....	6.75	2.94
27 15 43 00-0068	EA	Open Cable Pass Through Insert, Snap-In Modular Jack.....	8.16	2.94
27 15 43 00-0069	EA	Coaxial F-Type Coupler, Snap-In Modular Jack.....	27.83	8.81
Note: Includes female to female connection.				
For Gold Bulkhead, Add			1.78	
27 15 43 00-0070	EA	RCA Jack Pass-Through Coupler, Snap-In Modular Jack.....	28.16	8.81
Note: Includes female to female connection.				
27 15 43 00-0071	EA	RCA Solder Coupler, Snap-In Modular Jack.....	54.88	11.76
27 15 43 00-0072	EA	RCA Jack With 110 Punch Down, Snap-In Modular Jack.....	68.40	11.76
27 15 43 00-0073	EA	3.5 m Mini Stereo Jack, Snap-In Modular Jack.....	34.36	11.76
27 15 43 00-0074	EA	MT-RJ Pass-Through Coupler, Snap-In Modular Jack.....	37.61	5.88
27 15 43 00-0075	EA	BNC Connector, Snap-In Modular Jack.....	39.87	11.76
27 15 43 00-0076	EA	S-Video With 110 Punch Down, Snap-In Modular Jack.....	44.88	11.76
27 15 43 00-0077	PR	Speaker Connectors, Snap-In Modular Jack.....	62.82	17.64
Note: Includes a pair of binding posts, banana jacks or spring clip connectors. Requires two open ports.				
27 15 43 00-0078	EA	USB Audio Video Connector, Snap-In Modular Jack.....	67.92	11.76
27 15 43 00-0079 Twist-Lock Industrial Connector Housings (Leviton® Duraport®) (27 15 43)				
Note: Includes jack, connector cap and termination.				
27 15 43 00-0080	EA	Category 5E, Twist-Lock Industrial Connector Housing (Leviton® Duraport®).....	130.32	11.76
27 15 43 00-0081	EA	Cat 6, Twist-Lock Industrial Connector Housing (Leviton® Duraport®).....	153.73	11.76
27 15 53 Communications Cable Innerduct (27 15)				
Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.				
27 15 53 00-0001 Indoor Innerduct (27 15 53)				
27 15 53 00-0002 Indoor Innerduct, Installed In Conduit (27 15 53 00-0001)				
27 15 53 00-0003 Riser Rated, Indoor Innerduct, Installed In Conduit (27 15 53 00-0002)				
27 15 53 00-0004	MLF	1" Riser Rated, Indoor Innerduct, Installed In Conduit.....	4,755.13	1,760.58
27 15 53 00-0005	MLF	1-1/4" Riser Rated, Indoor Innerduct, Installed In Conduit.....	6,138.89	2,347.45
27 15 53 00-0006	MLF	1-1/2" Riser Rated, Indoor Innerduct, Installed In Conduit.....	8,205.27	2,934.31
27 15 53 00-0007	MLF	2" Riser Rated, Indoor Innerduct, Installed In Conduit.....	9,562.77	3,521.17
27 15 53 00-0008 Plenum Rated, Indoor Innerduct, Installed In Conduit (27 15 53 00-0002)				
27 15 53 00-0009	MLF	3/4" Plenum Rated, Indoor Innerduct, Installed In Conduit.....	7,267.79	1,173.72
27 15 53 00-0010	MLF	1" Plenum Rated, Indoor Innerduct, Installed In Conduit.....	8,129.47	1,760.58
27 15 53 00-0011	MLF	1-1/4" Plenum Rated, Indoor Innerduct, Installed In Conduit.....	10,244.46	2,347.45
27 15 53 00-0012	MLF	1-1/2" Plenum Rated, Indoor Innerduct, Installed In Conduit.....	13,183.08	2,934.31
27 15 53 00-0013	MLF	2" Plenum Rated, Indoor Innerduct, Installed In Conduit.....	15,866.75	3,521.17
27 15 53 00-0014 Indoor Innerduct, Installed Exposed (27 15 53 00-0001)				
27 15 53 00-0015 Riser Rated, Indoor Innerduct, Installed Exposed (27 15 53 00-0014)				
27 15 53 00-0016	MLF	1" Riser Rated, Indoor Innerduct, Installed Exposed.....	5,928.85	2,347.45
For Work In Restricted Working Space, Add			1,408.47	
27 15 53 00-0017	MLF	1-1/4" Riser Rated, Indoor Innerduct, Installed Exposed.....	7,312.62	2,934.31
For Work In Restricted Working Space, Add			1,760.59	
27 15 53 00-0018	MLF	1-1/2" Riser Rated, Indoor Innerduct, Installed Exposed.....	9,378.99	3,521.17
For Work In Restricted Working Space, Add			2,112.70	
27 15 53 00-0019	MLF	2" Riser Rated, Indoor Innerduct, Installed Exposed.....	10,736.48	4,108.03
For Work In Restricted Working Space, Add			2,464.82	

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

27 15 53 00-0020	Plenum Rated, Indoor Innerduct, Installed Exposed (27 15 53 00-0014)		
27 15 53 00-0021	MLF 3/4" Plenum Rated, Indoor Innerduct, Installed Exposed.....	8,441.52	1,760.58
27 15 53 00-0022	MLF 1" Plenum Rated, Indoor Innerduct, Installed Exposed.....	9,303.19	2,347.45
	For Work In Restricted Working Space, Add	1,408.47	
27 15 53 00-0023	MLF 1-1/4" Plenum Rated, Indoor Innerduct, Installed Exposed.....	11,418.19	2,934.31
	For Work In Restricted Working Space, Add	1,760.59	
27 15 53 00-0024	MLF 1-1/2" Plenum Rated, Indoor Innerduct, Installed Exposed.....	14,356.80	3,521.17
	For Work In Restricted Working Space, Add	2,112.70	
27 15 53 00-0025	MLF 2" Plenum Rated, Indoor Innerduct, Installed Exposed.....	17,040.46	4,108.03
	For Work In Restricted Working Space, Add	2,464.82	
27 15 53 00-0026	Outdoor Innerduct (27 15 53)		
27 15 53 00-0027	Outdoor Innerduct, Installed In Conduit (27 15 53 00-0026)		
27 15 53 00-0028	MLF 1" Outdoor Innerduct, Installed In Conduit.....	4,440.08	1,760.58
27 15 53 00-0029	MLF 1-1/4" Outdoor Innerduct, Installed In Conduit.....	5,674.30	2,347.45
27 15 53 00-0030	MLF 1-1/2" Outdoor Innerduct, Installed In Conduit.....	7,265.88	2,934.31
27 15 53 00-0031	MLF 2" Outdoor Innerduct, Installed In Conduit.....	8,673.79	3,521.17
27 15 53 00-0032	Outdoor Innerduct, Buried In Trench (27 15 53 00-0026)		
27 15 53 00-0033	MLF 1" Outdoor Innerduct, Buried In Trench.....	3,266.36	
27 15 53 00-0034	MLF 1-1/4" Outdoor Innerduct, Buried In Trench.....	4,500.58	
27 15 53 00-0035	MLF 1-1/2" Outdoor Innerduct, Buried In Trench.....	6,092.15	
27 15 53 00-0036	MLF 2" Outdoor Innerduct, Buried In Trench.....	7,500.07	

27 16 Communications Connecting Cords, Devices, and Adapters (27 10)**27 16 16 Communications Media Converters, Adapters, and Transceivers (27 16)**

27 16 16 00-0001	Fiber Optic Receivers (27 16 16)		
27 16 16 00-0002	EA Fiber Optic Receiver, Range 6.2 Miles.....	1,081.19	58.68
27 16 16 00-0003	Fiber Optic Transmitters (27 16 16)		
27 16 16 00-0004	EA Fiber Optic Transmitter, Range 6.2 Miles.....	1,081.18	58.68
27 16 16 00-0005	Fiber Optic Repeaters (27 16 16)		
	Note: Consist of transmitter and receiver, back-to-back. Excludes power source.		
27 16 16 00-0006	EA Fiber Optic Repeater, 6.2 Miles Transmitter And Receiver Back-Back, No Power.....	1,198.56	117.37
27 16 16 00-0007	EA Fiber Optic Digital Repeater, 2,000 Miles Transmitter And Receiver Back-Back, No Power.....	1,859.52	234.75
27 16 16 00-0008	Fiber Optic Transceivers (27 16 16)		
27 16 16 00-0009	EA Fiber Optic Transceivers, 3,000 Miles Range.....	1,205.74	234.75
27 16 16 00-0010	EA Fiber Optic Transceivers, Digital 2,000 Miles Range.....	1,205.74	234.75
27 16 16 00-0011	EA Fiber Optic Ethernet Transceiver.....	1,592.71	352.11
27 16 16 00-0012	EA Transceiver (Low Cost Bi- Directional).....	597.85	88.03

27 16 19 Communications Patch Cords, Station Cords, and Cross Connect Wire (27 16)

27 16 19 00-0001	Cross Connect Wire (27 16 19)		
	Note: Up to 20' length.		
27 16 19 00-0002	EA 2-Pair Cross Connect Wire.....	18.62	
27 16 19 00-0003	EA 3-Pair Cross Connect Wire.....	24.92	
27 16 19 00-0004	EA 4-Pair Cross Connect Wire.....	31.17	
27 16 19 00-0005	Fiber Optic Patch Cords (27 16 19)		
27 16 19 00-0006	Simplex Fiber Optic Patch Cables (27 16 19 00-0005)		
27 16 19 00-0007	Singlemode, Simplex Fiber Optic Patch Cables (27 16 19 00-0006)		
27 16 19 00-0008	EA ST To ST Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable.....	56.77	
	For Each Additional Meter In Length, Add	0.26	
27 16 19 00-0009	EA ST To SC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable.....	45.89	
	For Each Additional Meter In Length, Add	0.26	
27 16 19 00-0010	EA ST To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable.....	60.03	
	For Each Additional Meter In Length, Add	0.26	
27 16 19 00-0011	EA SC To SC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable.....	48.38	
	For Each Additional Meter In Length, Add	0.26	
27 16 19 00-0012	EA SC To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable.....	56.32	
	For Each Additional Meter In Length, Add	0.26	
27 16 19 00-0013	EA LC To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable.....	55.44	
	For Each Additional Meter In Length, Add	0.26	
27 16 19 00-0014	Duplex Fiber Optic Patch Cables (27 16 19 00-0005)		
27 16 19 00-0015	Singlemode, Duplex Fiber Optic Patch Cables (27 16 19 00-0014)		
27 16 19 00-0016	EA ST To ST Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable.....	100.49	
	For Each Additional Meter In Length, Add	0.51	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 16 19 00-0017	EA	ST To SC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable.....	97.43	
		<i>For Each Additional Meter In Length, Add</i>	0.51	
27 16 19 00-0018	EA	ST To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable.....	108.32	
		<i>For Each Additional Meter In Length, Add</i>	0.51	
27 16 19 00-0019	EA	SC To SC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable.....	83.74	
		<i>For Each Additional Meter In Length, Add</i>	0.51	
27 16 19 00-0020	EA	SC To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable.....	99.59	
		<i>For Each Additional Meter In Length, Add</i>	0.51	
27 16 19 00-0021	EA	LC To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable.....	97.85	
		<i>For Each Additional Meter In Length, Add</i>	0.51	
27 16 19 00-0022 Multimode, Duplex Fiber Optic Patch Cables (27 16 19 00-0014)				
27 16 19 00-0023	EA	ST To ST Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	75.35	
		<i>For Each Additional Meter In Length, Add</i>	1.48	
27 16 19 00-0024	EA	ST To SC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	82.46	
		<i>For Each Additional Meter In Length, Add</i>	1.48	
27 16 19 00-0025	EA	ST To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	83.19	
		<i>For Each Additional Meter In Length, Add</i>	1.48	
27 16 19 00-0026	EA	ST To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	85.47	
		<i>For Each Additional Meter In Length, Add</i>	1.48	
27 16 19 00-0027	EA	SC To SC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	75.65	
		<i>For Each Additional Meter In Length, Add</i>	1.48	
27 16 19 00-0028	EA	SC To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	85.87	
		<i>For Each Additional Meter In Length, Add</i>	1.48	
27 16 19 00-0029	EA	SC To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	101.29	
		<i>For Each Additional Meter In Length, Add</i>	1.48	
27 16 19 00-0030	EA	MTRJ To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	69.10	
		<i>For Each Additional Meter In Length, Add</i>	1.48	
27 16 19 00-0031	EA	LC To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	84.54	
		<i>For Each Additional Meter In Length, Add</i>	1.48	
27 16 19 00-0032 Fiber Optic Cable Pig Tail (27 16 19)				
27 16 19 00-0033	EA	Simplex Fiber Optic Cable Pig Tail.....	83.61	41.08
27 16 19 00-0034	EA	Duplex Fiber Optic Cable Pig Tail.....	109.41	41.08
27 16 19 00-0035 Ethernet Patch Cords (27 16 19)				
27 16 19 00-0036	EA	3' Category 5E Patch Cables With Boots.....	15.84	
27 16 19 00-0037	EA	5' Category 5E Patch Cables With Boots.....	17.31	
27 16 19 00-0038	EA	7' Category 5E Patch Cables With Boots.....	18.80	
27 16 19 00-0039	EA	10' Category 5E Patch Cables With Boots.....	27.34	
27 16 19 00-0040	EA	15' Category 5E Patch Cables With Boots.....	34.30	
27 16 19 00-0041	EA	25' Category 5E Patch Cables With Boots.....	45.54	
27 16 19 00-0042	EA	3' Category 6 Patch Cables With Boots.....	17.59	
27 16 19 00-0043	EA	5' Category 6 Patch Cables With Boots.....	21.34	
27 16 19 00-0044	EA	7' Category 6 Patch Cables With Boots.....	21.41	
27 16 19 00-0045	EA	10' Category 6 Patch Cables With Boots.....	25.55	
27 16 19 00-0046	EA	15' Category 6 Patch Cables With Boots.....	33.74	
27 16 19 00-0047	EA	25' Category 6 Patch Cables With Boots.....	42.50	
27 16 19 00-0048	EA	50' Category 6 Patch Cables With Boots.....	67.15	
27 16 19 00-0049	EA	100' Category 6 Patch Cables With Boots.....	117.28	
27 16 19 00-0050	EA	3' Length, Category 6, Exterior Grade Patch Cable With Boots.....	71.04	
27 16 19 00-0051	EA	5' Length, Category 6, Exterior Grade Patch Cable With Boots.....	79.02	
27 16 19 00-0052	EA	7' Length, Category 6, Exterior Grade Patch Cable With Boots.....	87.00	
27 16 19 00-0053	EA	10' Length, Category 6, Exterior Grade Patch Cable With Boots.....	101.89	
27 16 19 00-0054	EA	15' Length, Category 6, Exterior Grade Patch Cable With Boots.....	124.79	
27 16 19 00-0055	EA	25' Length, Category 6, Exterior Grade Patch Cable With Boots.....	164.68	
27 16 19 00-0056	EA	50' Length, Category 6, Exterior Grade Patch Cable With Boots.....	264.41	
27 16 19 00-0057	EA	100' Length, Category 6, Exterior Grade Patch Cable With Boots.....	469.76	
27 16 19 00-0058	EA	3' Length, Category 6, Exterior Grade Patch Cable With Industrial Plug One Side (Leviton® Duraport®).....	101.58	
		Note: Includes an industrial twist lock plug on one end and a standard RJ45 plug on the other end.		
27 16 19 00-0059	EA	5' Length, Category 6, Exterior Grade Patch Cable With Industrial Plug One Side (Leviton® Duraport®).....	109.28	
		Note: Includes an industrial twist lock plug on one end and a standard RJ45 plug on the other end.		
27 16 19 00-0060	EA	7' Length, Category 6, Exterior Grade Patch Cable With Industrial Plug One Side (Leviton® Duraport®).....	116.95	
		Note: Includes an industrial twist lock plug on one end and a standard RJ45 plug on the other end.		
27 16 19 00-0061	EA	10' Length, Category 6, Exterior Grade Patch Cable With Industrial Plug One Side (Leviton® Duraport®).....	125.09	
		Note: Includes an industrial twist lock plug on one end and a standard RJ45 plug on the other end.		
27 16 19 00-0062	EA	15' Length, Category 6, Exterior Grade Patch Cable With Industrial Plug One Side (Leviton® Duraport®).....	135.45	
		Note: Includes an industrial twist lock plug on one end and a standard RJ45 plug on the other end.		
27 16 19 00-0063	EA	20' Length, Category 6, Exterior Grade Patch Cable With Industrial Plug One Side (Leviton® Duraport®).....	143.06	
		Note: Includes an industrial twist lock plug on one end and a standard RJ45 plug on the other end.		
27 16 19 00-0064	EA	1' Category 6A Patch Cord.....	11.70	
27 16 19 00-0065	EA	2' Category 6A Patch Cord.....	12.12	
27 16 19 00-0066	EA	1 Meter Category 6A Patch Cord.....	12.50	
27 16 19 00-0067	EA	2 Meter Category 6A Patch Cord.....	16.49	
27 16 19 00-0068	EA	3 Meter Category 6A Patch Cord.....	22.37	
27 16 19 00-0069	EA	3' Category 6A Patch Cables With Boots.....	21.60	
27 16 19 00-0070	EA	5' Category 6A Patch Cables With Boots.....	22.89	
27 16 19 00-0071	EA	7' Category 6A Patch Cables With Boots.....	23.87	
27 16 19 00-0072	EA	10' Category 6A Patch Cables With Boots.....	28.25	
27 16 19 00-0073	EA	15' Category 6A Patch Cables With Boots.....	34.75	
27 16 19 00-0074	EA	25' Category 6A Patch Cables With Boots.....	43.12	
27 16 19 00-0075	EA	50' Category 6A Patch Cables With Boots.....	61.91	
27 16 19 00-0076	EA	100' Category 6A Patch Cables With Boots.....	108.22	

27 Communications**27 10 Structured Cabling****27 16 Communications Connecting Cords, Devices, and Adapters**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

27 16 19 00-0077	EA	3' Category 5E Patch Cables With Plastic Arch	15.84	
27 16 19 00-0078	EA	5' Category 5E Patch Cables With Plastic Arch	17.31	
27 16 19 00-0079	EA	7' Category 5E Patch Cables With Plastic Arch	18.80	
27 16 19 00-0080	EA	10' Category 5E Patch Cables With Plastic Arch	27.34	
27 16 19 00-0081	EA	15' Category 5E Patch Cables With Plastic Arch	34.30	
27 16 19 00-0082	EA	25' Category 5E Patch Cables With Plastic Arch	45.54	
27 16 19 00-0083	EA	3' Category 6 Patch Cables With Plastic Arch	17.59	
27 16 19 00-0084	EA	5' Category 6 Patch Cables With Plastic Arch	21.34	
27 16 19 00-0085	EA	7' Category 6 Patch Cables With Plastic Arch	21.41	
27 16 19 00-0086	EA	10' Category 6 Patch Cables With Plastic Arch	25.55	
27 16 19 00-0087	EA	15' Category 6 Patch Cables With Plastic Arch	33.74	
27 16 19 00-0088	EA	25' Category 6 Patch Cables With Plastic Arch	42.50	
27 16 19 00-0089	EA	3' Category 6A Patch Cables With Plastic Arch	32.83	
27 16 19 00-0090	EA	5' Category 6A Patch Cables With Plastic Arch	35.06	
27 16 19 00-0091	EA	7' Category 6A Patch Cables With Plastic Arch	36.72	
27 16 19 00-0092	EA	10' Category 6A Patch Cables With Plastic Arch	42.15	
27 16 19 00-0093	EA	15' Category 6A Patch Cables With Plastic Arch	51.19	
27 16 19 00-0094	EA	25' Category 6A Patch Cables With Plastic Arch	65.54	

27 20 Data Communications ⁽²⁷⁾**27 21 Data Communications Network Equipment** ^(27 20)

Note: Includes testing of new devices and certification.

27 21 16 Data Communications Routers, CSU/DSU, Multiplexers, Codecs, and Modems

^(27 21)

27 21 16 00-0001 Network Equipment ^(27 21 16)**27 21 16 00-0002 Grounding Bus Bars** ^(27 21 16 00-0001)

27 21 16 00-0003	EA	2" x 1/4" x 12", TGB Pattern, Grounding Bus Bar (Chatsworth 13622-012)	201.80	31.75
27 21 16 00-0004	EA	4" x 1/4" x 12", TMGB Pattern, Grounding Bus Bar (Chatsworth 40153-012)	387.99	31.75

27 21 16 00-0005 Vertical Cable Management ^(27 21 16 00-0001)

27 21 16 00-0006	EA	3-1/4" Width Channel, 16 Gates, 19" Width x 84" Height, Relay Rack With Cable Channels (Hubbell CR1973)	1,027.20	58.78
27 21 16 00-0007	EA	6" Width Channel, 32 Gates, 19" Width x 84" Height, Relay Rack With Cable Channels (Hubbell CR1976)	1,124.04	58.78
27 21 16 00-0008	EA	3-1/4" Width, 4' Height, 4 Gates, Vertical Cable Organizer (Hubbell VC43)	210.72	29.40
27 21 16 00-0009	EA	4-1/2" Width, 4' Height, 8 Gates, Vertical Cable Organizer (Hubbell VC44)	350.98	29.40
27 21 16 00-0010	EA	6" Width, 4' Height, 8 Gates, Vertical Cable Organizer (Hubbell VC46)	364.33	29.40
27 21 16 00-0011	EA	3-1/4" Width, 7' Height, 8 Gates, Vertical Cable Organizer (Hubbell VC73)	253.47	29.40
27 21 16 00-0012	EA	4-1/2" Width, 7' Height, 16 Gates, Vertical Cable Organizer (Hubbell VC74)	426.11	29.40
27 21 16 00-0013	EA	6" Width, 7' Height, 16 Gates, Vertical Cable Organizer (Hubbell VC76)	426.11	29.40
27 21 16 00-0014	EA	Cover For 3-1/4" Width, 4' Height, Vertical Cable Organizer (Hubbell VCC3)	66.36	5.88
27 21 16 00-0015	EA	Cover For 4-1/2" Width, 4' Height, Vertical Cable Organizer (Hubbell VCC4)	74.54	5.88
27 21 16 00-0016	EA	Cover For 6" Width, 4' Height, Vertical Cable Organizer (Hubbell VCC6)	82.55	5.88
27 21 16 00-0017	LF	Low Voltage Communication, Aluminum Surface Raceway (Panduit Pan-Pole)	45.28	8.57

Note: Exposed installations on masonry, concrete masonry unit (CMU) or drywall walls or ceilings.

27 21 16 00-0018 Horizontal Cable Management ^(27 21 16 00-0001)

27 21 16 00-0019	EA	19" Width, 1-3/4" Height, 3-1/2" Ring Depth, Cable Management Duct Panel (Hubbell HC119MS3N)	134.35	23.51
27 21 16 00-0020	EA	19" Width, 3-1/2" Height, 1-3/4" Ring Depth, Cable Management Duct Panel (Hubbell HC219MS1N)	134.35	23.51
27 21 16 00-0021	EA	19" Width, 3-1/2" Height, 3-1/2" Ring Depth, Cable Management Duct Panel (Hubbell HC219MS3N)	138.86	23.51
27 21 16 00-0022	EA	23" Width, 3-1/2" Height, 1-3/4" Ring Depth, Cable Management Duct Panel (Hubbell HC223MS1N)	219.01	23.51
27 21 16 00-0023	EA	19" Width, 1-3/4" Height, 1-3/4" Ring Depth, Enhanced Cable Management Duct Panel (Hubbell HC119CE1N)	196.30	23.51
27 21 16 00-0024	EA	19" Width, 3-1/2" Height, 1-3/4" Ring Depth, Enhanced Cable Management Duct Panel (Hubbell HC219CE1N)	186.95	23.51
27 21 16 00-0025	EA	19" Width, 3-1/2" Height, 3-1/2" Ring Depth, Enhanced Cable Management Duct Panel (Hubbell HC219CE3N)	178.27	23.51
27 21 16 00-0026	EA	19" Width, 3-1/2" Height, 6" Ring Depth, Enhanced Cable Management Duct Panel (Hubbell HC219CE6N)	232.37	23.51
27 21 16 00-0027	EA	19" Width, 3-1/2" Height, 3-1/2" Ring Depth, Enhanced Cable Management Duct Panel With Rear Wire Frame, Cover And Pass Through Holes (Hubbell HC219CC3N)	242.38	23.51
27 21 16 00-0028	EA	19" Width, 3-1/2" Height, 3-1/2" Ring Depth, Enhanced Cable Management Duct Panel With Rear Wire Frame (Hubbell HC219CR3N)	222.35	23.51
27 21 16 00-0029	EA	19" Width, 5-1/4" Height, 6" Ring Depth, Enhanced Cable Management Duct Panel With Rear Wire Frame (Hubbell HC319CE6N)	255.74	23.51
27 21 16 00-0030	EA	1-3/4" Depth, Cable Management Spool (Hubbell HCSPL110)	18.12	7.06
27 21 16 00-0031	EA	3-1/2" Depth, Cable Management Spool (Hubbell HCSPL310)	19.00	7.06
27 21 16 00-0032	EA	6" Depth, Cable Management Spool (Hubbell HCSPL610)	20.34	7.06
27 21 16 00-0033	PR	3-1/2" Depth, Vertical Management Rings (Hubbell HC23VR2)	93.92	7.06
27 21 16 00-0034	PR	6" Depth, Vertical Management Rings (Hubbell HC23VR2)	107.11	7.06

27 21 16 00-0035 Fiber Patch Panels ^(27 21 16 00-0001)

27 21 16 00-0036	EA	12 FSP Panel Capacity, Rack Mounted Fiber Patch Panel (Hubbell FCR525SPR)	920.83	117.37
27 21 16 00-0037	EA	12 Capacity, 6 LC Duplex, Preloaded Standard Adapter Panel (Hubbell FSPLC6)	296.03	58.68
27 21 16 00-0038	EA	12 Capacity, 3 LC Quad, Preloaded Standard Adapter Panel (Hubbell FSPLCQ3)	271.65	58.68
27 21 16 00-0039	EA	24 Capacity, 6 LC Quad, Preloaded High-Density Adapter Panel (Hubbell FSPLCQ6)	416.24	58.68
27 21 16 00-0040	EA	6 Capacity, 6 FC/PC, Preloaded Standard Split Sleeve Adapter Panel (Hubbell FSPFC6)	301.04	58.68
27 21 16 00-0041	EA	6 Capacity, 6 SC Simplex, Preloaded Standard APC Adapter Panel (Hubbell FSPSCA6)	312.72	58.68
27 21 16 00-0042	EA	8 Capacity, 6 SC Simplex, Preloaded High-Density APC Adapter Panel (Hubbell FSPSCA8)	376.17	58.68
27 21 16 00-0043	EA	Blank Plate For Adapter Panels (Hubbell FSPB)	40.00	11.74
27 21 16 00-0044	EA	6 Capacity, SC Simplex Or MT-RJ, Unloaded Standard FSP Adapter Panel (Hubbell FSPMTRJ6X)	137.41	58.68
27 21 16 00-0045	EA	8 Capacity, SC Simplex Or MT-RJ, Unloaded High-Density FSP Adapter Panel (Hubbell FSPMTRJ8X)	137.41	58.68
27 21 16 00-0046	EA	6 Capacity, SC Duplex Or LC Quad, Unloaded Standard FSP Adapter Panel (Hubbell FSPSCD3X)	137.41	58.68
27 21 16 00-0047	EA	8 Capacity, SC Duplex Or LC Quad, Unloaded High-Density FSP Adapter Panel (Hubbell FSPSCD6X)	137.41	58.68

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 21 16 00-0048	EA		6 Capacity, ST Style, Unloaded Standard FSP Adapter Panel (Hubbell FSPST6X).....	135.57	58.68
27 21 16 00-0049	EA		8 Capacity, ST Style, Unloaded High-Density FSP Adapter Panel (Hubbell FSPST8X).....	137.41	58.68
27 21 16 00-0050	EA		6 Capacity, LC Duplex, Unloaded Standard FSP Adapter Panel (Hubbell FSPLC6X).....	137.41	58.68
27 21 16 00-0051	EA		4 Capacity, HD And HXJ Jacks, Unloaded FSP Adapter Panel (Hubbell FSPHD4X).....	158.61	58.68
27 21 16 00-0052 Equipment Racks (27 21 16 00-0001)					
27 21 16 00-0053	EA		19" Width x 84" Height, 2-Post Equipment Rack (Hubbell HPW84RR19)	443.37	58.78
27 21 16 00-0054	EA		19" Width x 29" Depth x 84" Height, 4-Post Equipment Rack (Chatsworth Quadrarack).....	2,017.14	88.18
27 21 16 00-0055 Category 6 Patch Panels (27 21 16 00-0001)					
27 21 16 00-0056	EA		24 Port, Category 6 Patch Panel (Hubbell P624U).....	423.72	38.21
			Note: Excludes cabinet and terminations.		
			For Rear Cable Management Bar, Add	43.75	
27 21 16 00-0057	EA		48 Port, Category 6 Patch Panel (Hubbell P648U).....	788.64	47.03
			Note: Excludes cabinet and terminations.		
			For Rear Cable Management Bar, Add	43.75	
27 21 16 00-0058	EA		96 Port, Category 6 Patch Panel (Hubbell P696U).....	1,465.07	64.67
			Note: Excludes cabinet and terminations.		
			For Rear Cable Management Bar, Add	43.75	
27 21 16 00-0059	EA		Category 6, 4-Pair, Connecting Block (Hubbell 6110CB4PR10)	5.72	1.17
27 21 16 00-0060 Faceplates And Modular Connectors (27 21 16 00-0001)					
27 21 16 00-0061	EA		Single Gang, Keystone Opening, Flush, Stainless Steel Phone Faceplate (Hubbell P630S1G)	25.83	1.17
			Note: Requires one snap-in jack module.		
27 21 16 00-0062	EA		Single Gang, RJ25 Jack, Flush, Stainless Steel Phone Faceplate (Hubbell P630S1GJ6)	34.02	1.17
27 21 16 00-0063	EA		Single Gang, RJ45 Jack, Flush, Stainless Steel Phone Faceplate (Hubbell P630S1GJ8)	38.12	1.17
27 21 16 00-0064	EA		Single Gang, Keystone Opening, Recessed, Stainless Steel Phone Faceplate (Hubbell P630SR1G).....	24.46	1.17
			Note: Requires one snap-in jack module.		
27 21 16 00-0065	EA		Single Gang, RJ25 Jack, Recessed, Stainless Steel Phone Faceplate (Hubbell P630SR1GJ6)	28.25	1.17
27 21 16 00-0066	EA		Single Gang, RJ45 Jack, Recessed, Stainless Steel Phone Faceplate (Hubbell P630SR1GJ8)	32.50	1.17
27 21 16 00-0067	EA		Cat 6, Snap In Module (Hubbell HXJ6A)	29.92	2.94
27 21 16 00-0068	EA		LC Fiber Connection, Snap In Module (Hubbell SFLC)	33.43	2.94
27 21 16 00-0069 Copper Communications Cabling (27 21 16 00-0001)					
			Note: Excludes conduit or innerduct.		
27 21 16 00-0070 Outdoor, Copper Communications Cabling (27 21 16 00-0069)					
27 21 16 00-0071	CLF		25-Pair, 24 AWG, ETPR Filled, Outdoor, Copper Communications Cable	230.35	70.42
27 21 16 00-0072	CLF		50-Pair, 24 AWG, ETPR Filled, Outdoor, Copper Communications Cable	368.16	98.60
27 21 16 00-0073	CLF		100-Pair, 24 AWG, ETPR Filled, Outdoor, Copper Communications Cable	514.44	98.60
27 21 16 00-0074	CLF		200-Pair, 24 AWG, ETPR Filled, Outdoor, Copper Communications Cable	887.03	126.76
27 21 16 00-0075 Indoor, Copper Communications Cabling (27 21 16 00-0069)					
27 21 16 00-0076 Indoor, Plenum Rated, Copper Communications Cabling (27 21 16 00-0075)					
27 21 16 00-0077	CLF		25-Pair, 24 AWG, Plenum Rated, Indoor, Copper Communications Cable	378.43	70.42
27 21 16 00-0078	CLF		50-Pair, 24 AWG, Plenum Rated, Indoor, Copper Communications Cable	446.35	98.60
27 21 16 00-0079	CLF		100-Pair, 24 AWG, Plenum Rated, Indoor, Copper Communications Cable	711.22	98.60
27 21 16 00-0080	CLF		200-Pair, 24 AWG, Plenum Rated, Indoor, Copper Communications Cable	1,331.72	126.76
27 21 16 00-0081 Fiber Optic Modems (27 21 16)					
27 21 16 00-0082	EA		Fiber Optic Modems, Range 6.2 Miles.....	2,075.84	234.75
27 21 16 00-0083	EA		Fiber Optic Modem, Range 3.1 Miles, 12 Channel	4,083.79	234.75
27 21 16 00-0084 Ethernet Hubs and Switches (27 21 16)					
27 21 16 00-0085	EA		16 Port Managed Hub With Fiberport And Standard Management.....	4,210.45	176.36
27 21 16 00-0086	EA		16 Port Unmanaged Hub	622.19	117.57
27 21 16 00-0087	EA		12 Port, Industrial Ethernet Switch (Cisco IE-4000-4GC4GP4G-E).....	5,825.07	117.57
27 21 16 00-0088	EA		Power Supply (Cisco PWR-IE170W-PC-AC).....	1,719.84	58.78
27 21 16 00-0089 Network Equipment (27 21 16)					
27 21 16 00-0090 Communications Entrance Protection (27 21 16 00-0089)					
27 21 16 00-0091	EA		100-Pair, 5 Pin Configuration, 110 Termination, Building Entrance Terminal With Cover (Porta 24100-110-M110C).....	1,192.23	88.18
			Note: Excludes terminations.		
27 21 16 00-0092	EA		Solid State Protector Module With 4 OHM Heat Coils (CommScope 4C1S)	14.35	1.17
27 21 16 00-0093 Communications Cabinets, Racks, Frames And Enclosures (27 21 16 00-0089)					
27 21 16 00-0094	EA		19" Width x 36" Height x 24" Depth, Wall Mounted Telecommunications Enclosure (Chatsworth 11840-736)	1,452.35	88.18
			For Fan Kit (Chatsworth 12804-701), Add	204.97	
27 21 16 00-0095	EA		10 Outlet, 125 Volt, 20 Amperes, Telecommunications Cabinet Power Strip (Chatsworth 13239-757).....	1,343.83	5.88
27 21 16 00-0096 Communications Termination Blocks And Patch Panels (27 21 16 00-0089)					
27 21 16 00-0097 Communications Termination Blocks (27 21 16 00-0096)					

27 Communications**27 20 Data Communications****27 21 Data Communications Network Equipment**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI UOM DESCRIPTION		UNIT COST		UNIT COST	
27 21 16 00-0098	EA	4-Pair, 300-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058810).....	361.59		17.61
27 21 16 00-0099	EA	5-Pair, 300-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058802).....	336.32		17.61
27 21 16 00-0100	EA	4-Pair, 900-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058869).....	810.07		17.61
27 21 16 00-0101	EA	5-Pair, 900-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058851).....	753.23		17.61
27 21 16 00-0102	EA	110 Connector System Mounting Brackets (CommScope 107535593).....	111.43		17.61
27 21 16 00-0103	EA	110 Connector System Mounting Brackets (CommScope 107535585).....	120.62		17.61
27 21 16 00-0104	EA	110 Connector System Mounting Brackets (CommScope 107098816).....	137.80		17.61
27 21 16 00-0105 Communications Copper Patch Panels (27 21 16 00-0096)					
Note: Excludes cabinet and terminations.					
27 21 16 00-0106	EA	24 Port, Category 5E Patch Panel (CommScope 108208919)	353.94		38.21
27 21 16 00-0107	EA	48 Port, Category 5E Patch Panel (CommScope 108208935)	649.09		47.03
27 21 16 00-0108	EA	24 Port, Category 6 Patch Panel (CommScope 760062372).....	527.08		38.21
27 21 16 00-0109	EA	48 Port, Category 6 Patch Panel (CommScope 760062380).....	988.16		47.03
27 21 16 00-0110 Communications Optical Fiber Patch Panels (27 21 16 00-0096)					
27 21 16 00-0111 Closet Connector Housings (27 21 16 00-0110)					
27 21 16 00-0112	EA	48 Fiber Total Capacity, Closet Connector Housing (Corning CCH-01U).....	524.61		23.51
Note: Accepts up to 2 closet connector housing panels. Excludes panels.					
27 21 16 00-0113	EA	96 Fiber Total Capacity, Closet Connector Housing (Corning CCH-02U).....	614.93		23.51
Note: Accepts up to 4 closet connector housing panels. Excludes panels.					
27 21 16 00-0114	EA	288 Fiber Total Capacity, Closet Connector Housing (Corning CCH-04U).....	770.68		23.51
Note: Accepts up to 12 closet connector housing panels. Excludes panels.					
27 21 16 00-0115	EA	SC Duplex Multimode, 62.5 Micron, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-91).....	127.48		11.76
27 21 16 00-0116	EA	SC Duplex Singlemode, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-59).....	173.99		11.76
27 21 16 00-0117	EA	SC Simplex Multimode, 62.5 Micron, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-56)	143.90		11.76
27 21 16 00-0118	EA	SC Simplex Singlemode, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-3C).....	189.02		11.76
27 21 16 00-0119 Communications Cable Management (27 21 16 00-0089)					
27 21 16 00-0120 Horizontal Communication Cable Management (27 21 16 00-0119)					
27 21 16 00-0121	EA	1.7" Height, 19" Width, 3.7" Depth, 1 RU, Front Only, Horizontal Cable Manager (Panduit WMPFSE).....	161.52		23.51
27 21 16 00-0122	EA	3-1/2" Height, 19" Width, 3.7" Depth, Horizontal Cable Manager (Panduit WMPF1E).....	167.45		23.51
27 21 16 00-0123 Vertical Communication Cable Management (27 21 16 00-0119)					
27 21 16 00-0124	EA	6" Width x 84" Height, Double-Sided Vertical Cabling Section (Chatsworth 11729-703).....	1,018.15		58.78
27 21 16 00-0125	EA	19" Width x 84" Height, Universal Rack (Chatsworth 48353-703)	1,056.52		58.78
27 21 16 00-0126	EA	23" Width x 84" Height, Universal Rack (Chatsworth 48383-703)	1,142.93		58.78
27 21 16 00-0127 Communications Patch Cords, Station Cords, And Cross Connect Wire (27 21 16 00-0089)					
27 21 16 00-0128 Premise Cross-Connect Wire (27 21 16 00-0127)					
27 21 16 00-0129	LF	1-Pair, 22 AWG Premise Cross-Connect Wire (General Cable 7041973).....	1.21		0.59
27 21 16 00-0130 Pathways For Communications Systems (27 21 16 00-0089)					
27 21 16 00-0131 Conduits And Back Boxes For Communication Systems (27 21 16 00-0130)					
27 21 16 00-0132 Flexible Conduit For Communication Systems (27 21 16 00-0131)					
27 21 16 00-0133	CLF	1" Diameter, Riser Rated, Non-Metallic Flexible Conduit With Pull Tape (Carlson DF4X1C).....	542.07		211.27
27 21 16 00-0134	CLF	1" Diameter, Plenum Rated, Non-Metallic Flexible Conduit With Pull Tape (Carlson CF4X1C)	852.38		211.27
27 21 16 00-0135 Tube Cables For Communication Systems (27 21 16 00-0131)					
27 21 16 00-0136 Outdoor/All-Dielectric Tube Cables (27 21 16 00-0135)					
27 21 16 00-0137	CLF	Two Tube, Outdoor/All-Dielectric Tube Cable (Sumitomo TC02TOX).....	432.93		140.85
27 21 16 00-0138	CLF	Seven Tube, Outdoor/All-Dielectric Tube Cable (Sumitomo TC07TOX).....	653.58		176.06
27 21 16 00-0139	CLF	Nineteen Tube, Outdoor/All-Dielectric Tube Cable (Sumitomo TC19TOX).....	1,104.79		211.27
27 21 16 00-0140 Indoor/Riser Rated Tube Cables (27 21 16 00-0135)					
27 21 16 00-0141	CLF	Two Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC02TRX)	501.52		140.85
27 21 16 00-0142	CLF	Four Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC04TRX)	616.60		158.45
27 21 16 00-0143	CLF	Seven Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC07TRX).....	701.21		176.06
27 21 16 00-0144	CLF	Nineteen Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC19TRX).....	1,320.12		211.27
27 21 16 00-0145 Indoor/Plenum Rated Tube Cables (27 21 16 00-0135)					
27 21 16 00-0146	CLF	Single Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC01TPX)	358.61		140.85
27 21 16 00-0147	CLF	Two Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC02TP2).....	533.92		140.85
27 21 16 00-0148	CLF	Four Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC04TP2)	837.64		158.45
27 21 16 00-0149	CLF	Seven Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC07TP2)	1,232.86		176.06
27 21 16 00-0150	CLF	Nineteen Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC19TP2)	3,921.17		211.27
27 21 16 00-0151 Unjacketed Single Tube Cables (27 21 16 00-0135)					
27 21 16 00-0152	CLF	Single Tube, Unjacketed Single Tube Cable (Sumitomo TC01TGX).....	305.25		140.85

Communications			27
Data Communications			27 20
Data Communications Network Equipment			27 21
MINOR	CSI	UOM	DESCRIPTION
			TOTAL DIRECT UNIT COST
			DEMOLITION UNIT COST

27 21 16 00-0153		Multimode Fiber Bundles (27 21 16 00-0135)			
Note: Includes optical fiber cables.					
27 21 16 00-0154	CLF	2-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FR02M6)	135.21	42.26	
27 21 16 00-0155	CLF	4-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB04M6)	209.52	42.26	
27 21 16 00-0156	CLF	6-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB06M6)	289.56	42.26	
27 21 16 00-0157	CLF	12-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB12M6)	533.46	42.26	
27 21 16 00-0158	CLF	18-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB18M6)	775.77	49.29	
27 21 16 00-0159	CLF	24-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB24M6)	1,019.68	49.29	
27 21 16 00-0160		Singlemode Fiber Bundles (27 21 16 00-0135)			
Note: Includes optical fiber cables.					
27 21 16 00-0161	CLF	2-Fiber, Singlemode Fiber Bundle (Sumitomo FR02SX)	119.96	42.26	
27 21 16 00-0162	CLF	4-Fiber, Singlemode Fiber Bundle (Sumitomo FB04SX)	152.36	42.26	
27 21 16 00-0163	CLF	6-Fiber, Singlemode Fiber Bundle (Sumitomo FB06SX)	179.04	42.26	
27 21 16 00-0164	CLF	12-Fiber, Singlemode Fiber Bundle (Sumitomo FB12SX)	230.48	42.26	
27 21 16 00-0165	CLF	18-Fiber, Singlemode Fiber Bundle (Sumitomo FB18SX)	356.56	49.29	
27 21 16 00-0166	CLF	24-Fiber, Singlemode Fiber Bundle (Sumitomo FB24SX)	472.79	49.29	
27 21 16 00-0167		Tube Distribution Cabinets (27 21 16 00-0135)			
27 21 16 00-0168	EA	Modular Tube Distribution Cabinet (Sumitomo DE06MDU)	265.76	58.78	
Note: Up to six 7-tube cables or two 19-tube cables.					
27 21 16 00-0169		Modular Fiber Termination Cabinets (27 21 16 00-0135)			
27 21 16 00-0170	EA	24-Fiber Capacity, Wall Mount, Modular Fiber Termination Cabinet (Sumitomo FT24WFM)	340.48	58.78	
27 21 16 00-0171	EA	48-Fiber Capacity, Wall Mount, Modular Fiber Termination Cabinet (Sumitomo FT48WFM)	364.11	58.78	
27 21 16 00-0172		Tube Distribution Accessories (27 21 16 00-0135)			
27 21 16 00-0173	EA	Plastic Push/Pull Quick Release Pneumatic Cap For 8 mm Tube (Sumitomo DE08MA)	14.41	5.88	
27 21 16 00-0174	EA	Plastic Push/Pull Quick Release Pneumatic Coupling For 8 mm Tube (Sumitomo DE08MC2)	16.07	5.88	
27 21 16 00-0175	EA	Brass Push/Pull Quick Release Pneumatic Coupling For 8 mm Bulkhead Tube (Sumitomo DE08MB)	20.33	5.88	
27 21 16 00-0176		Communications Optical Fiber Cabling (27 21 16 00-0089)			
27 21 16 00-0177		Communications Optical Fiber Cable Splicing And Terminations (27 21 16 00-0176)			
27 21 16 00-0178		Field Installed Fiber Connectors (27 21 16 00-0177)			
27 21 16 00-0179	EA	SC Type, Singlemode, Field Installed Fiber Connector (Corning 95-200-42)	44.47	8.81	
27 21 16 00-0180	EA	SC Type, 62.5 Micron Multimode, Field Installed Fiber Connector (Corning 95-000-41)	39.00	8.81	
27 21 16 00-0181		Buffer Tube Fan-Out Kits (27 21 16 00-0177)			
27 21 16 00-0182		Buffer Tube Breakout Kits (Sumitomo) (27 21 16 00-0181)			
Note: Includes 900 micron tubing.					
27 21 16 00-0183	EA	2-Fiber Breakout Kit (Sumitomo FTFLD02)	257.62	117.37	
27 21 16 00-0184	EA	4-Fiber Breakout Kit (Sumitomo FTFLD04)	263.33	117.37	
27 21 16 00-0185	EA	6-Fiber Breakout Kit (Sumitomo FTFLD06)	268.38	117.37	
27 21 16 00-0186	EA	12-Fiber Breakout Kit (Sumitomo FTFLD12)	284.07	117.37	
27 21 16 00-0187	EA	18-Fiber Breakout Kit (Sumitomo FTFLD18)	305.52	117.37	
27 21 16 00-0188	EA	24-Fiber Breakout Kit (Sumitomo FTFLD24)	321.45	117.37	
27 21 16 00-0189		Buffer Tube Fan-Out Kits (Corning) (27 21 16 00-0181)			
27 21 16 00-0190	EA	12 Fiber, 25" Tube Length, Indoor Buffer Tube Fan-Out Kit (Corning Fan-BT25-12)	260.27	117.37	
27 21 16 00-0191	EA	12 Fiber, 25" Tube Length, Outdoor Buffer Tube Fan-Out Kit (Corning Fan-OD25-12)	316.88	117.37	
27 21 16 00-0192		Communications Copper Cabling (27 21 16 00-0089)			
27 21 16 00-0193		Copper Communications Cable Splicing And Terminations (27 21 16 00-0192)			
27 21 16 00-0194		Copper Communications Cable Splice Cases (27 21 16 00-0193)			
27 21 16 00-0195	EA	6.5" x 28.4" Copper Communications Cable Splice Case (Preformed Line Products 8000626)	1,226.55	234.75	
27 21 16 00-0196	EA	9.5" x 28.4" Copper Communications Cable Splice Case (Preformed Line Products 8000630)	1,442.92	234.75	
27 21 16 00-0197	EA	12.5" x 28.4" Copper Communications Cable Splice Case (Preformed Line Products 8006219)	2,161.91	234.75	
27 21 16 00-0198		Modular Splice Connectors (27 21 16 00-0193)			
27 21 16 00-0199	EA	25-Pair, Straight Body Only, 26-24 Gauge Cable, Filled Modular Splice Connector (3M 710-SC1-25)	127.87	58.68	
27 21 16 00-0200	EA	25-Pair, Straight/Half Tap Body, 26-24 Gauge Cable, Dry Modular Splice Connector (3M 710-SD1-25)	125.53	58.68	
27 21 16 00-0201	EA	25-Pair, Straight/Half Tap Body, 26-24 Gauge Cable, Filled Modular Splice Connector (3M 710-TC1-25)	127.92	58.68	
27 21 16 00-0202	EA	25-Pair, Bridge Body, 26-22 Gauge Cable, Filled Modular Splice Connector (3M 710-BC1-25)	127.59	58.68	
27 21 26		Data Communications Network Management (27 21)			
27 21 26 00-0001		Data Communications Network Management (27 21 26)			
27 21 26 00-0002	EA	3 Port, Terminal/Serial Device Server (Comtrol 99560-9)	709.37	29.35	
27 21 26 00-0003	EA	2 Port, Terminal/Serial Device Server (Comtrol 99550-0)	543.61	29.35	

27 Communications
27 20 Data Communications
27 21 Data Communications Network Equipment

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

27 21 26 00-0004	EA	4 Port, DB9 Terminal/Serial Device Server (Comtrol 99445-9).....	762.60	29.35
27 21 26 00-0005	EA	4 Port, DB9 Terminal/Serial Device Server (Comtrol 99448-0).....	1,201.73	29.35
27 21 26 00-0006	EA	24 Watt, Din Rail Mountable, Power Adapter (Comtrol PS1020).....	110.61	
27 21 26 00-0007	EA	Remote Data Port, Spectra Positioning System (Pelco IPS_RDPE_2).....	529.41	17.61
27 21 26 00-0008	EA	Sennetech Code Translator (Pelco SCT_100_AD232).....	875.62	29.35
27 21 26 00-0009	EA	VPN Router (Cisco 819HG).....	5,087.64	376.22
27 21 26 00-0010	EA	Cisco Catalyst 3000 Series Switches (Cisco IE-3000 - 8TC).....	3,584.28	376.22
27 21 26 00-0011	EA	WS-C4507R+E Chassis, Two WS-X4648-RJ45V+E, Sup7L-E, LAN Base (Cisco WS-C4507RE+96V+).....	19,428.67	140.85
27 21 26 00-0012	EA	SMARTnet Extended Service Agreement, SNTC-8X5XNBD WS-C4507R+E Chassis, 2 WS-X4648-RJ45V+E (Cisco CON-SNT-C4507REV).....	619.48	
27 21 26 00-0013	EA	Sup8-E And WS-X4748-RJ45V+E Upgrade For Bundle (Cisco C4500E-S7L-S8).....	13,308.19	140.85
27 21 26 00-0014	EA	Catalyst 4500 E-Series Redundant Supervisor 8-E (Cisco WS-X45-SUP8-E/2).....	29,053.38	140.85
27 21 26 00-0015	EA	Catalyst 4500 2GB SD Memory Card (Cisco SD-X45-2GB-E).....	685.68	11.76
27 21 26 00-0016	EA	Catalyst 4500 4200W AC Dual Input Power Supply (Data + PoE) (Cisco PWR-C45-4200ACV).....	5,034.65	14.67
27 21 26 00-0017	EA	Catalyst 4500 4200W AC Dual Input Power Supply (Data + PoE) (Cisco PWR-C45-4200ACV/2).....	4,365.67	14.67
27 21 26 00-0018	EA	13', NEMA 6-20 To IEC-C19 Power Cable (Cisco CAB-US620P-C19-US).....	76.97	5.88
27 21 26 00-0019	EA	1000BASE-SX SFP Transceiver Module, MMF, 850nm, DOM (Cisco GLC-SX-MMD=).....	239.63	58.68
27 21 26 00-0020	EA	Cisco Catalyst 3850 24 Port Data IP Base (Cisco WS-C3850-24TS).....	3,728.57	140.85
27 21 26 00-0021	EA	SMARTnet Extended Service Agreement, 8X5XNBD Cisco Catalyst 3850 24 Port Data IP Base (Cisco CON-SNT-WSC384TS).....	815.08	
27 21 26 00-0022	EA	North America AC Type A Power Cable (Cisco CAB-TA-NA).....	24.90	5.88
27 21 26 00-0023	EA	350 Watt AC Power Supply (Cisco PWR-C1-350WAC).....	337.46	14.67
27 21 26 00-0024	EA	Cisco Catalyst 3850 4x1GE Network Module (Cisco C3850-NM-4-1G).....	844.50	14.70
27 21 26 00-0025	EA	1' (30cm), Catalyst 3750X Stack Power Cable (Cisco CAB-SPWR-30CM).....	123.00	5.88
27 21 26 00-0026	EA	Rack Mount Switch 16 100 SFP 8 10/100 PoE 2 Geuplinks (Cisco IE-3010-16S-8PC).....	4,452.05	140.85
27 21 26 00-0027	EA	SMARTnet Extended Service Agreement, 8X5XNBD IA Rack Mount Switch 16 100 SFP 8 10/10 (Cisco CON-SNT-301016S8).....	818.34	
27 21 26 00-0028	EA	IE 3010 Power Supply (Cisco PWR-RGD-AC-DC/IA).....	722.19	14.67
27 21 26 00-0029	EA	IE 3010 AC-DC Redundant Power Supply (Cisco PWR-RGD-AC-DC/IAR).....	733.60	14.67
27 21 26 00-0030	EA	4 Ethernet 10/100 Ports And 2 Dual-Purpose Uplinks, Industrial Ethernet Switch (Cisco IE-3000-4TC).....	1,522.19	140.85
27 21 26 00-0031	EA	Expansion Power Module For Cisco IE-3000-4TC (Cisco PWR-IE50W-AC-IEC).....	396.20	14.70
27 21 26 00-0032	EA	4 Port, Expansion SFP Module for IE-3000-4TC (Cisco IEM-3000-4SM).....	1,871.53	14.70
27 21 26 00-0033	EA	Router (CISCO IR829).....	1,666.26	58.78

27 21 29 Data Communications Switches and Hubs (27 21)

27 21 29 00-0001 Data Communications Multimedia Modular Patch Panels (27 21 29)

Note: Unloaded multimedia patch panels that accept modular jacks for category 3, 5e, 6, fiber optic, etc. Excludes rack, modular jacks and terminations. See CSI section 27 15 43 00-0056 for modular jacks.

27 21 29 00-0002	EA	12 Port, Wall Mount Multimedia Modular Patch Panel, Unloaded.....	144.83	5.87
27 21 29 00-0003	EA	16 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded.....	160.28	5.87
27 21 29 00-0004	EA	24 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded.....	190.16	5.87
27 21 29 00-0005	EA	36 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded.....	199.34	5.87
27 21 29 00-0006	EA	48 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded.....	217.38	7.34
27 21 29 00-0007	EA	24 Port, Rack Mount Multimedia Modular Angled Patch Panel, Unloaded.....	206.94	5.87
27 21 29 00-0008	EA	48 Port, Rack Mount Multimedia Modular Angled Patch Panel, Unloaded.....	259.73	7.34
27 21 29 00-0009	EA	Rack Mount Rear Cable Management Bar.....	67.98	7.34

27 21 33 Data Communications Wireless Access Points (27 21)

27 21 33 00-0001 Data Communications Wireless Access Points (27 21 33)

27 21 33 00-0002	EA	Base Station Unit, 300 Mbps, MIMO 2x2, Type-N Connectors US PoE (Proxim Wireless MP-8200-BSU).....	5,114.50	176.06
27 21 33 00-0003	EA	Base Station Unit, 300 Mbps, MIMO 2x2, 23 dBi, 10° Panel Antenna - US PoE (Proxim Wireless MP-8250-BS1).....	12,332.37	176.06
27 21 33 00-0004	EA	Base Station Unit, 300 Mbps, MIMO 2x2, 16 dBi, 90 Degree Sector Antenna US PoE (Proxim Wireless MP-8250-BS9).....	12,332.37	176.06
27 21 33 00-0005	EA	Subscriber Unit, 300 Mbps, MIMO 2x2, Type-N Connectors US PoE (Proxim Wireless MP-8200-SUA).....	1,981.91	176.06
27 21 33 00-0006	EA	Subscriber Unit, 300 Mbps, MIMO 2x2, 23 dBi, Panel Antenna US PoE (Proxim Wireless MP-8250-SUR).....	2,325.29	196.16
27 21 33 00-0007	EA	Base Station Unit, 300 Mbps, MIMO 3x3, GPS Sync Ready, Type-N Connectors - US PoE (Proxim Wireless MP-8200-BSU-G).....	6,577.76	196.16
27 21 33 00-0008	EA	Base Station Unit, 300 Mbps, MIMO 2x2, GPS Sync Ready, 23 dBi, 10° Panel Antenna - US PoE (Proxim Wireless MP-8250-BS1-G).....	10,014.87	196.16
27 21 33 00-0009	EA	Base Station Unit, 300 Mbps, MIMO 2x2, GPS Sync Ready, 16 dBi, 90° Sector Antenna - US PoE (Proxim Wireless MP-8250-BS9-G).....	10,014.87	196.16
27 21 33 00-0010	EA	50 Mbps (upgradable to 100 Mbps), MIMO 2x2, 15 dBi integrated antenna - US PoE (Proxim Wireless QB-825-LNK-50).....	2,049.32	65.38
27 21 33 00-0011	EA	100 Mbps, MIMO 2x2, 15 dBi integrated antenna - US PoE (Proxim Wireless QB-825-LNK-100).....	2,078.18	65.38
27 21 33 00-0012	EA	Surge, Gigabit Surge Protector With Shielded RJ45 (Proxim Wireless ETH-SURGE-1G).....	188.09	32.70
27 21 33 00-0013	EA	FlexPort uWave AdaptRate And Modulation Feature Upgrade (BridgeWave Communications FPUWAVE-UPG-ARM).....	1,793.22	
27 21 33 00-0014	EA	1' High Performance Dish Antenna, Low Profile, 21.2-23.6 GHz, WR42 Flange, SOI (Radio Waves HPLP1-23RR).....	629.25	58.68
27 21 33 00-0015	EA	Cellular Phone / Wi-Fi Antenna (Sierra Wireless AP-CWG-Q-S222-WH).....	519.62	58.68
27 21 33 00-0016	EA	Cell LTE MIMO Antenna (Sierra Wireless 1810075).....	89.66	23.47
27 21 33 00-0017	EA	AirLink GX400 Power Adapter (Sierra Wireless 2700384).....	81.83	
27 21 33 00-0018	EA	AirLink GX400 Power Cable (Sierra Wireless 2000380).....	47.29	
27 21 33 00-0019	EA	Cellular/PCS/LTE, Hockey Puck Antenna (Sierra Wireless AP-C-Q-S2-BL).....	329.19	58.68
27 21 33 00-0020	EA	Cellular/PCS/LTE/GPS, Multi-Band Antenna (Sierra Wireless AP-CG-Q-S22-BL).....	331.32	58.68
27 21 33 00-0021	EA	2 Way, RF Power Divider, 790-920 MHZ (Telewave ANTPD28D).....	456.32	58.78
27 21 33 00-0022	EA	Wireless Cellular Modem (Sierra Wireless AirLink GX400 EVDO/GPS).....	1,164.60	88.18
27 21 33 00-0023	EA	Wireless Cellular Modem (Sierra Wireless AirLink GX450 Rugged).....	1,494.56	88.18
27 21 33 00-0024	EA	Magnetic Mount Cellular Antenna (Wilson Electronics 301125).....	81.43	17.61
27 21 33 00-0025	EA	Yagi Antenna, 890-960 MHz, 10 dBd Gain (PCTEL Bluewave Antennas BGYD890K).....	307.60	65.38
27 21 33 00-0026	EA	Andrew® Omni Antenna, 890-960 MHz, 360° Horizontal Beamwidth, Fixed Electrical Tilt, Fits On 38-51 mm (1-1/2 to 2 in) OD Pipe (Commscope DB583-Y).....	1,038.55	65.38
27 21 33 00-0027	EA	Single Channel Bluetooth Sensor With Bluetooth Module And Antenna (DeepBlue SC).....	5,163.04	58.78
27 21 33 00-0028	EA	Point-to-Point Wireless Bridge (Proxim Tsunami® QB-10150).....	2,616.58	58.68

Communications			27
Data Communications			27 20
Data Communications Network Equipment			27 21
MINOR	CSI	UOM	DESCRIPTION
			TOTAL DIRECT UNIT COST
			DEMOLITION UNIT COST

27 29 Data Communications Network Systems (27 20)

Note: Materials only, excludes installation.

27 29 00 00-0001	Aruba Networks - Material Devices (27 29)
27 29 00 00-0002	Access Points and Accessories (27 29 00 00-0001)
27 29 00 00-0003	EA Aruba 104 Wireless Access Point (802.11abgn 2x2:2, dual radio, antenna connectors) (Aruba networks AP-104)..... 1,511.21
27 29 00 00-0004	EA Aruba 104 Wireless Access Point, FIPS/TAA (Aruba networks AP-104-F1) 1,728.65
27 29 00 00-0005	EA Aruba 105 Wireless Access Point (802.11abgn 2x2:2, dual radio, integrated antennas) (Aruba networks AP-105) 1,511.21
27 29 00 00-0006	EA Aruba 105 Wireless Access Point, FIPS/TAA (Aruba networks AP-105-F1) 1,728.65
27 29 00 00-0007	EA Aruba 124 Wireless Access Point (802.11a/n + b/g/n) (Aruba networks AP-124) 2,163.53
27 29 00 00-0008	EA Aruba 124 Wireless Access Point (802.11a/n + b/g/n), FIPS/TAA (Aruba networks AP-124-F1) 2,598.41
27 29 00 00-0009	EA Aruba 125 Wireless Access Point (802.11a/n + b/g/n) (Aruba networks AP-125) 2,163.53
27 29 00 00-0010	EA Aruba 125 Wireless Access Point (802.11a/n + b/g/n), FIPS/TAA (Aruba networks AP-125-F1) 2,598.41
27 29 00 00-0011	EA Aruba AP-134 Wireless Access Point (Aruba networks AP-134)..... 2,380.97
27 29 00 00-0012	EA Aruba 134 Wireless Access Point, FIPS/TAA (Aruba networks AP-134-F1) 2,815.85
27 29 00 00-0013	EA Aruba AP-135 Wireless Access Point (Aruba networks AP-135)..... 2,380.97
27 29 00 00-0014	EA Aruba 135 Wireless Access Point, FIPS/TAA (Aruba networks AP-135-F1) 2,815.85
27 29 00 00-0015	EA AP-175P, 802.11n dual 2x2 320mW; POE (Aruba networks AP-175P)..... 4,990.25
27 29 00 00-0016	EA AP-175P, 802.11n dual 2x2 320mW, POE, FIPS/TAA (Aruba networks AP-175P-F1) 5,751.29
27 29 00 00-0017	EA AP-175AC Outdoor Access Point, 802.11n 2x2 dual radio 320mW; AC powered (with PSE) (Aruba networks AP-175AC) 5,642.57
27 29 00 00-0018	EA AP-175AC, 802.11n dual 2x2 320mW, AC, FIPS/TAA (Aruba networks AP-175AC-F1) 6,512.33
27 29 00 00-0019	EA AP-175DC Outdoor Access Point, 802.11n 2x2 dual radio 320mW; DC powered (with PSE) (Aruba networks AP-175DC) 5,642.57
27 29 00 00-0020	EA AP-175DC, 802.11n dual 2x2 320mW, DC, FIPS/TAA (Aruba networks AP-175DC-F1) 6,512.33
27 29 00 00-0021	EA Aruba 68 Wireless Access Point (Aruba networks AP-68)..... 641.45
27 29 00 00-0022	EA Aruba 92 Wireless Access Point, 802.11abgn, dual-band, single radio, antenna connectors (Aruba networks AP-92) 858.89
27 29 00 00-0023	EA Aruba 92 Wireless Access Point, FIPS/TAA (Aruba networks AP-92-F1) 978.48
27 29 00 00-0024	EA Aruba 93 Wireless Access Point, 802.11abgn, dual-band, single radio, integrated antennas (Aruba networks AP-93) 858.89
27 29 00 00-0025	EA Aruba 93 Wireless Access Point, FIPS/TAA (Aruba networks AP-93-F1) 978.48
27 29 00 00-0026	EA Aruba 93H Access Point, 802.11abgn, dual-band, single radio, integrated antennas, 4 port switch (hospitality variant) (Aruba networks AP-93H)..... 1,076.33
27 29 00 00-0027	EA AP 60/61/65/70/120 Series AC Power Adapter Kit - Australia (Aruba networks AP-AC-AUS-2) 119.59
27 29 00 00-0028	EA AP 60/61/65/70/120 Series AC Power Adapter Kit - Brazil Version (Aruba networks AP-AC-BR-2)..... 119.59
27 29 00 00-0029	EA AP 60/61/65/70/120 Series AC Power Adapter Kit - China (Aruba networks AP-AC-CHN-2) 119.59
27 29 00 00-0030	EA AP 60/61/65/70/120 Series AC Power Adapter Kit - Schuko (Aruba networks AP-AC-EC-2)..... 119.59
27 29 00 00-0031	EA AP 60/61/65/70/120 Series AC Power Adapter Kit - India (Aruba networks AP-AC-IN-2) 119.59
27 29 00 00-0032	EA AP 60/61/65/70/120 Series AC Power Adapter Kit - Italy (Aruba networks AP-AC-IT-2) 119.59
27 29 00 00-0033	EA AP 60/61/65/70/120 Series AC Power Adapter Kit - Japan (Aruba networks AP-AC-JPN-2) 119.59
27 29 00 00-0034	EA AP 60/61/65/70/120 Series AC Power Adapter Kit - Korea (Aruba networks AP-AC-KOR-2) 119.59
27 29 00 00-0035	EA AP 60/61/65/70/120 Series AC Power Adapter Kit - North American 2 Prong Version (Aruba networks AP-AC-LA-2) 119.59
27 29 00 00-0036	EA AP 60/61/65/70/120 Series AC Power Adapter Kit - North America Version (Aruba networks AP-AC-NA-2)..... 119.59
27 29 00 00-0037	EA AP 60/61/65/70/120 Series AC Power Adapter Kit - United Kingdom (Aruba networks AP-AC-UK-2) 119.59
27 29 00 00-0038	EA AP 60/61/65/70/120 Series AC Power Adapter Kit - Argentina (Aruba networks AP-AC-ARG-2) 119.59
27 29 00 00-0039	EA AP 60/61/65/70/120 Series AC Power Adapter Kit - Denmark (Aruba networks AP-AC-DEN-2)..... 119.59
27 29 00 00-0040	EA AP 60/61/65/70/120 Series AC Power Adapter Kit - Israel (Aruba networks AP-AC-IL-2) 119.59
27 29 00 00-0041	EA AP 60/61/65/70/120 Series AC Power Adapter Kit - Switzerland (Aruba networks AP-AC-SWI-2) 119.59
27 29 00 00-0042	EA AP 60/61/65/70/120 Series AC Power Adapter Kit - South Africa (Aruba networks AP-AC-ZA-2) 119.59
27 29 00 00-0043	EA 2.4-2.5GHz (4.4dBi) / 4.9-5.9GHz (3.3dBi), Down-Tilt, Smallest Form Factor Omni-Directional Single Antenna with ceiling mount hardware. RP-SMA Connector (Aruba networks AP-ANT-13B) 304.42
27 29 00 00-0044	EA 2.4-2.5GHz (4.4dBi) / 4.9-5.9GHz (3.3dBi), Down-Tilt, Smallest Form Factor Omni-Directional Single Antenna with ceiling mount hardware. RP-SMA Connector, Kit of quantity: 3 (Aruba networks AP-ANT-13B-KIT) 848.02
27 29 00 00-0045	EA 2.4-2.5GHz (5.0dBi) / 4.9-5.99GHz (5.0dBi), Dual-band, 120 Degree Sector Antenna, RP-SMA. (Aruba networks AP-ANT-15) 750.17
27 29 00 00-0046	EA 2.4-2.5GHz (3.9dBi) / 4.9-5.9GHz (4.7dBi), 3 Element MIMO Antenna in a single mechanical package, Down-Tilt Omni-Directional with ceiling mount hardware. RP-SMA Connectors (Aruba networks AP-ANT-16) 750.17
27 29 00 00-0047	EA 2.4-2.5GHz (6.0dBi) / 4.9-5.875GHz (5.0dBi), 3 Element MIMO 120 Degree Sector Antenna, mounting hardware only included; no Az/El adjustment. RP-SMA Connectors. To support pole mount or az/el adjustment on wall mount, order AP-ANT-MNT-1 kit in addition to antenna. (Aruba networks AP-ANT-17)..... 793.66
27 29 00 00-0048	EA 2.4-2.5GHz (7.5dBi) / 5.15-5.875GHz (7.5dBi), 3 Element MIMO 60 Degree Sector Antenna. 3x 3ft pigtails, RP-SMA Connectors. Direct wall mounting hardware (anchors and screws) included; no az/el adjustment. For az/el adjustment on wall mount or pole mount order AP-ANT-MNT-1 kit in addition to antenna. (Aruba networks AP-ANT-18)..... 793.66
27 29 00 00-0049	EA 2.4/5G Dual Band, Omnidirectional 3dBi/6dBi, Indoor/Outdoor, RPSMA connector with 36 inch integrated pigtail cable. Pole mount, I-beam, and ceiling tile mount hardware included. (Aruba networks AP-ANT-19)..... 326.16
27 29 00 00-0050	EA 2.4/5G Dual Band, Omnidirectional 3dBi/6dBi, Indoor/Outdoor, RPSMA connector with 36 inch integrated pigtail cable. Pole mount, I-beam, and ceiling tile mount hardware included. (Kit of 3) (Aruba networks AP-ANT-19-KIT) 858.89
27 29 00 00-0051	EA 2.4-2.5GHz (2dBi) / 4.9-5.875GHz (2dBi), compact omni-directional direct-mount indoor antenna. RP-SMA, classic (Aruba networks AP-ANT-20A) 43.49
27 29 00 00-0052	EA 2.4-2.5GHz (2dBi) / 4.9-5.875GHz (2dBi), compact omni-directional direct-mount indoor antenna. RP-SMA, white (Aruba networks AP-ANT-20W) 43.49
27 29 00 00-0053	EA 2.4-2.5GHz (3.8dBi) / 4.9-5.875GHz (5.8dBi), High-Gain Omni-Directional Detachable Antenna. RP-SMA (Aruba networks AP-ANT-1B) 65.23
27 29 00 00-0054	EA AP Antenna with integrated cellular interference filter, 2.4-2.5GHz (2.0dBi) / 4.9-5.875GHz (5.0dBi), Omni-Directional Direct-Mount Antenna. RP-SMA Connector (Aruba networks AP-ANT-1F)..... 65.23
27 29 00 00-0055	EA 2.4-2.5GHz (3.8dBi) / 4.9-5.875GHz (5.8dBi), High-Gain Omni-Directional Detachable Antenna. RP-SMA (Pair) (Aruba networks AP-ANT-1BP) 130.46
27 29 00 00-0056	EA 2.4-2.5GHz (3.0dBi) / 4.9-5.99GHz (4.0dBi), Down-tilt, Omni-Directional Diversity Antenna c/w overhang mount hardware. N-Type Connector (Aruba networks AP-ANT-90)..... 1,304.64
27 29 00 00-0057	EA 2.4-2.5GHz (6.0dBi) / 4.9-5.875GHz (5.0dBi), 3 Element MIMO 120 Degree Sector Antenna, mounting hardware only included; no Az/El adjustment. N-Type Connectors. To support pole mount or az/el adjustment on wall mount, order AP-ANT-MNT-1 kit in addition to antenna. (Aruba networks AP-ANT-92)..... 793.66

27 Communications**27 20 Data Communications****27 29 Data Communications Network Systems**
 MINOR
CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

27 29 00 00-0058	EA	5.125-6.1Ghz (14.0dBi), 3 Element MIMO High-Gain 20 Degree Directional Panel Antenna, N-Type Female, Az/EI mounting kit included, Cables NOT included (Aruba networks AP-ANT-93).....	1,076.33
27 29 00 00-0059	EA	Dual Band, 120 Degree Sector, 5 dBi, ±45 Polarization, 2 Element MIMO, 2x 3ft pigtails, N-type connectors. To support pole mount or az/el adjustment on wall mount, order AP-ANT-MNT-1 kit in addition to antenna. (Aruba networks ANT-2X2-D805).....	793.66
27 29 00 00-0060	EA	Dual Band, 60 Degree Sector, 7 dBi, ±45 Polarization, 2 Element MIMO, 2x 3ft pigtails, N-type connectors. To support pole mount or az/el adjustment on wall mount, order AP-ANT-MNT-1 kit in addition to antenna. (Aruba networks ANT-2X2-D607).....	793.66
27 29 00 00-0061	EA	Pair (H/V Polarization) 2.4GHz, Omni-directional, 5dBi, Direct-mount, N-type connectors. Pole mount, I-beam, and ceiling tile mount hardware included. Requires N-male to N-female extension cable if not used in direct mount. (Aruba networks ANT-2x2-2005)	641.45
27 29 00 00-0062	EA	2.4 GHz, 14 dBi, 30 Degree x 30 Degree, H and V polarized MIMO High-Gain Directional Panel Antenna, 2 x N-Type female connectors, Cable NOT Included. Outdoor rated. (Aruba networks ANT-2X2-2314).....	924.12
27 29 00 00-0063	EA	2.4 GHz, 14.0 dBi, 70 Degree, ±45 Degree polarized 2 Element MIMO High-Gain Directional Panel Antenna, 2x N-Type Female connectors, Cables NOT included (Aruba networks ANT-2x2-2714)	858.89
27 29 00 00-0064	EA	Pair (H/V Polarization) 5GHz, Omni-directional, 5dBi, Direct-mount, N-type connectors. Pole mount, I-beam, and ceiling tile mount hardware included. Requires N-male to N-female extension cable if not used in direct mount. (Aruba networks ANT-2x2-5005).....	641.45
27 29 00 00-0065	EA	Pair (H/V Polarization) 5GHz, Omni-directional, 10dBi, Direct-mount, N-type connector. Pole mount, I-beam, and ceiling tile mount hardware included. Requires N-male to N-female extension cable if not used in direct mount. (Aruba networks ANT-2x2-5010)	858.89
27 29 00 00-0066	EA	5.15-5.9 GHz, 14 dBi, 30 Degree x 30 Degree, H and V polarized MIMO High-Gain Directional Panel Antenna, 2 x N-Type female connectors, Cable NOT Included. Outdoor rated. (Aruba networks ANT-2X2-5314)	924.12
27 29 00 00-0067	EA	4.9-5.9 GHz, 14.0 dBi, 60 Degree, ±45 Degree polarized 2 Element MIMO High-Gain Directional Panel Antenna, 2x N-Type Female connectors, Cables NOT included. Note: The ANT-2x2-5614 antenna is not approved for use in North America; select ANT-2x2-5614L or ANT-2x2-5614U instead. (Aruba networks ANT-2x2-5614)	858.89
27 29 00 00-0068	EA	5.5-5.9 GHz, 14.0 dBi, 60 Degree, ±45 Degree polarized 2 Element MIMO High-Gain Directional Panel Antenna, 2x N-Type Female connectors, Cables NOT included (Aruba networks ANT-2x2-5614U).....	858.89
27 29 00 00-0069	EA	4.9-5.5 GHz, 14.0 dBi, 60 Degree, ±45 Degree polarized 2 Element MIMO High-Gain Directional Panel Antenna, 2x N-Type Female connectors, Cables NOT included. (Aruba networks ANT-2x2-5614L)	858.89
27 29 00 00-0070	EA	Azimuth and Elevation adjustable Mount Kit for AP-ANT-17, AP-ANT-18, AP-ANT-92, ANT-2x2-D607 and ANT-2x2-D805. Includes hardware for pole or wall mounting with AZ/EL adjustment. (Aruba networks AP-ANT-MNT-1)	206.57
27 29 00 00-0071	EA	In-line RF antenna cellular interference filter (high-pass). RP-SMA connectors (Aruba networks AP-HPF-SMA)	65.23
27 29 00 00-0072	EA	Aruba Outdoor Antenna Lightning Arrestor for outdoor Access Points: Single, In-line lightning arrester with N-type Male to N-type Female interface. Supports RF frequency passthrough of 2Ghz – 6Ghz. (Aruba networks AP-LAR-1).....	326.16
27 29 00 00-0073	EA	Aruba Outdoor Antenna Lightning Arrestor for outdoor Access Points: Single, In-line lightning arrester with N-type Male to N-type Female interface. Supports RF frequency Passband of 2.4-2.5 GHz (Aruba networks AP-LAR-24).....	326.16
27 29 00 00-0074	EA	1 Port 802.3af PoE Midspan 10/100 15.4W (Aruba networks PD-3501-AC)	97.85
27 29 00 00-0075	EA	1 Port 802.3af PoE Midspan 10/100/1000 15.4W (Aruba networks PD-3501G-AC).....	206.57
27 29 00 00-0076	EA	1 Port 802.3at PoE Midspan 10/100/1000 30W (Aruba networks PD-9001G-AC).....	315.29
27 29 00 00-0077	EA	1 Port 802.3at 4P PoE Midspan 10/100/1000 60W (Aruba networks PD-9501G-AC)	532.73
27 29 00 00-0078	EA	1 Port 802.3at PoE Midspan 10/100/1000 30W Outdoor; NA power cord (Aruba networks PD-9001GO-NA)	1,511.21
27 29 00 00-0079	EA	1 PORT GE 802.3AT MIDSPAN (Aruba networks PD-9001GR-AC).....	315.29
27 29 00 00-0080	EA	1 Port 802.3at PoE Midspan 10/100/1000 30W Outdoor; EU/International power cord (Aruba networks PD-9001GO-INTL).....	1,511.21
27 29 00 00-0081	EA	Pole / Mast mount kit for outdoor POE midspan injectors (Aruba networks PD-MOUNT-OD)	271.80

27 29 00 00-0082 Remote Access Points (27 29 00 00-0001)

27 29 00 00-0083	EA	Aruba RAP-5WN Multi-port Remote Access Point (Wireless, 1x 100/1000Base-T And 4x 10/100Base-T) (Aruba networks RAP-5WN).....	1,293.77
27 29 00 00-0084	EA	Aruba RAP-5WN Multi-port Remote Access Point (Wireless, 1x 100/1000Base-T And 4x 10/100Base-T), FIPS/TAA (Aruba networks RAP-5WN-F1).....	1,511.21
27 29 00 00-0085	EA	Aruba RAP-5WN Multi-port Remote Access Point (Wireless, 1x 100/1000Base-T And 4x 10/100Base-T) NA (Aruba networks RAP-5WN-US).....	1,293.77
27 29 00 00-0086	EA	Contains: Aruba RAP-2WG remote access point with single radio 802.11'B/G', integrated antenna, 2 x 10/100Base-T (RJ-45), 1 x North America 12V AC power adapter, 1x 6ft Ethernet cable and Installation Guide. (Aruba networks RAP-2WG-US)	215.27
27 29 00 00-0087	EA	Contains: Aruba RAP-2WG remote access point with single radio 802.11'B/G', integrated antenna, 2 x 10/100Base-T (RJ-45), 1 x Continental Europe (Europlug) 12V AC power adapter, 1x 6ft Ethernet cable and Installation Guide. (Aruba networks RAP-2WG-EU).....	215.27
27 29 00 00-0088	EA	Contains: Aruba RAP-2WG remote access point with single radio 802.11'B/G', integrated antenna, 2 x 10/100Base-T (RJ-45), 1 x Universal 12V AC power adapter, 1x 6ft Ethernet cable and Installation Guide. (Aruba networks RAP-2WG)	250.06
27 29 00 00-0089	EA	Aruba RAP-3WN Remote Access Point (wireless, 3x10/100Base-T, USB). Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States, Japan or Israel. (Aruba networks RAP-3WN).....	641.45
27 29 00 00-0090	EA	Aruba RAP-3WN Remote Access Point (wireless, 3x10/100Base-T, USB) - Restricted regulatory domain: United States (Aruba networks RAP-3WN-US).....	641.45
27 29 00 00-0091	EA	Aruba RAP-3WN Remote Access Point (wireless, 3x10/100Base-T, USB) - Restricted regulatory domain: Japan (Aruba networks RAP-3WN-JP)	641.45
27 29 00 00-0092	EA	Aruba RAP-3WNP Remote Access Point (wireless, 3x10/100Base-T, USB, POE out). Note: unit ships without AC power cord. Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States, Japan or Israel. (Aruba networks RAP-3WNP).....	750.17
27 29 00 00-0093	EA	Aruba RAP-3WNP Remote Access Point (wireless, 3x10/100Base-T, USB, POE out) - Restricted regulatory domain: United States. Note: unit ships without AC power cord. (Aruba networks RAP-3WNP-US).....	750.17
27 29 00 00-0094	EA	Aruba RAP-3WNP Remote Access Point (wireless, 3x10/100Base-T, USB, POE out) - Restricted regulatory domain: Japan. Note: unit ships without AC power cord. (Aruba networks RAP-3WNP-JP)	750.17
27 29 00 00-0095	EA	Aruba RAP-108 Remote Access Point, 802.11a/b/g/n, 2x2:2, dual radio, antenna connectors - Restricted regulatory domain: Rest of World (Aruba networks RAP-108).....	1,293.77
27 29 00 00-0096	EA	Aruba RAP-108 Remote Access Point, 802.11a/b/g/n, 2x2:2, dual radio, antenna connectors - Restricted regulatory domain: United States (Aruba networks RAP-108-US).....	1,293.77
27 29 00 00-0097	EA	Aruba RAP-108 Remote Access Point, 802.11a/b/g/n, 2x2:2, dual radio, antenna connectors - Restricted regulatory domain: Japan (Aruba networks RAP-108-JP)	1,293.77
27 29 00 00-0098	EA	Aruba RAP-109 Remote Access Point, 802.11a/b/g/n, 2x2:2, dual radio, integrated antennas - Restricted regulatory domain: Rest of World (Aruba networks RAP-109).....	1,293.77
27 29 00 00-0099	EA	Aruba RAP-109 Remote Access Point, 802.11a/b/g/n, 2x2:2, dual radio, integrated antennas - Restricted regulatory domain: United States (Aruba networks RAP-109-US).....	1,293.77

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-0100	EA	Aruba RAP-109 Remote Access Point, 802.11a/b/g/n, 2x2:2, dual radio, integrated antennas - Restricted regulatory domain: Japan (Aruba networks RAP-109-JP).....	1,293.77	
27 29 00 00-0101	EA	Aruba RAP-3WN Remote Access Point, Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States, Japan or Israel, FIPS/TAA (Aruba networks RAP-3WN-F1).....	750.17	
27 29 00 00-0102	EA	Aruba RAP-3WN Remote Access Point, Restricted Regulatory Domain - US, FIPS/TAA (Aruba networks RAP-3WN-USF1).....	750.17	
27 29 00 00-0103	EA	Aruba RAP-3WNP Remote Access Point, Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States, Japan or Israel, FIPS/TAA (Aruba networks RAP-3WNP-F1).....	858.89	
27 29 00 00-0104	EA	Aruba RAP-3WNP Remote Access Point, Restricted Regulatory Domain - US, FIPS/TAA (Aruba networks RAP-3WNP-USF1).....	858.89	
27 29 00 00-0105	EA	Aruba RAP-108 Remote Access Point, 802.11a/b/g/n, 2x2:2, dual radio, antenna connectors - Restricted regulatory domain: Rest of World, FIPS/TAA (Aruba networks RAP-108-F1).....	1,511.21	
27 29 00 00-0106	EA	Aruba RAP-108 Remote Access Point, 802.11a/b/g/n, 2x2:2, dual radio, antenna connectors - Restricted regulatory domain: United States, FIPS/TAA (Aruba networks RAP-108-USF1).....	1,511.21	
27 29 00 00-0107	EA	Aruba RAP-109 Remote Access Point, 802.11a/b/g/n, 2x2:2, dual radio, integrated antennas - Restricted regulatory domain: Rest of World, FIPS/TAA (Aruba networks RAP-109-F1).....	1,511.21	
27 29 00 00-0108	EA	Aruba RAP-109 Remote Access Point, 802.11a/b/g/n, 2x2:2, dual radio, integrated antennas - Restricted regulatory domain: United States, FIPS/TAA (Aruba networks RAP-109-USF1).....	1,511.21	
27 29 00 00-0109	EA	Aruba RAP-100 Series Access Point Wall and Ceiling Mount Kit (Aruba networks RAP-100-MNT).....	76.10	
27 29 00 00-0110	EA	RAP-3 Series wall mount kit (Aruba networks RAP-3WN-MNT).....	76.10	
27 29 00 00-0111	EA	48 Volt DC, 36 Watt, AC-to DC power adapter (excludes country specific AC power cord) (Aruba networks AP-AC-48V36).....	141.34	
27 29 00 00-0112	EA	12 Volt DC, 18 Watt, High Temperature AC Power Adapter for compatible indoor AP models. Excludes country specific power cord. (Aruba networks AP-AC-12V18HT).....	141.34	
27 29 00 00-0113	EA	RAP-3 Series serial adapter cable (proprietary to DB9 female) (Aruba networks AP-CBL-SER).....	163.08	
27 29 00 00-0114	EA	12 Volt DC Universal AC Power Adapter Kit - North America, Japan, United Kingdom, Italy, EC (Europlug), Australia, China, India, Korea (Aruba networks AP-AC-UN).....	97.85	
27 29 00 00-0115	EA	12 Volt DC, 18 Watt AC Power Adapter for compatible indoor AP models. Excludes country specific power cord (Aruba networks AP-AC-12V18).....	97.85	
27 29 00 00-0116	EA	12 Volt DC Car Power Adapter Kit for compatible Aruba Access Point models. Note: this product is approved for use in the US only. (Aruba networks AP-DC-CAR).....	141.34	
27 29 00 00-0117	EA	Aruba RAP-5WN Remote Access Point Wall Mount (Aruba networks RAP-5WN-MNT).....	76.10	
27 29 00 00-0118 Outdoor / Industrial Wireless Mesh Routers and Accessories (27 29 00 00-0001)				
27 29 00 00-0119	EA	MSR1200, dual 2x2 11N radio; 200mW; New Boot Loader; ROW model (Aruba networks MSR1K2).....	3,250.73	
27 29 00 00-0120	EA	MSR1200, dual 2x2 11N radio; 200mW; New Boot Loader; Japan model (Aruba networks MSR1K2-JP).....	3,250.73	
27 29 00 00-0121	EA	MSR1200, dual 2x2 11N radio; 200mW; New Boot Loader; US model (Aruba networks MSR1K2-US).....	3,250.73	
27 29 00 00-0122	EA	MST200, single 2x2 11N radio; 320mW; Int Antenna; 5GHz; PoE; New Boot Loader; ROW model (Aruba networks MST2HP).....	3,468.17	
27 29 00 00-0123	EA	MST200, single 2x2 11N radio; 320mW; Int Antenna; 5GHz; PoE; New Boot Loader; Japan model (Aruba networks MST2HP-JP).....	3,468.17	
27 29 00 00-0124	EA	MST200, single 2x2 11N radio; 320mW; Int Antenna; 5GHz; PoE; New Boot Loader; US model (Aruba networks MST2HP-US).....	3,468.17	
27 29 00 00-0125	EA	MSR2000, dual 2x2 11N radio; 320mW; PoE; New Boot Loader; ROW model (Aruba networks MSR2KP).....	7,164.65	
27 29 00 00-0126	EA	MSR2000, dual 2x2 11N radio; 320mW; PoE; New Boot Loader; Japan model (Aruba networks MSR2KP-JP).....	7,164.65	
27 29 00 00-0127	EA	MSR2000, dual 2x2 11N radio; 320mW; PoE; New Boot Loader; China model (Aruba networks MSR2KP-CN).....	7,164.65	
27 29 00 00-0128	EA	MSR2000, dual 2x2 11N radio; 320mW; PoE; New Boot Loader; US model (Aruba networks MSR2KP-US).....	7,164.65	
27 29 00 00-0129	EA	MSR2000, dual 2x2 11N radio; 320mW; AC powered; PSE Out; New Boot Loader; ROW model (Aruba networks MSR2KAC).....	7,599.53	
27 29 00 00-0130	EA	MSR2000, dual 2x2 11N radio; 320mW; AC powered; PSE Out; New Boot Loader; Japan model (Aruba networks MSR2KAC-JP).....	7,599.53	
27 29 00 00-0131	EA	MSR2000, dual 2x2 11N radio; 320mW; AC powered; PSE Out; New Boot Loader; China model (Aruba networks MSR2KAC-CN).....	7,599.53	
27 29 00 00-0132	EA	MSR2000, dual 2x2 11N radio; 320mW; AC powered; PSE Out; New Boot Loader; US model (Aruba networks MSR2KAC-US).....	7,599.53	
27 29 00 00-0133	EA	MSR2000, dual 2x2 11N radio; 320mW; DC powered; PSE Out; New Boot Loader; ROW model (Aruba networks MSR2KDC).....	7,599.53	
27 29 00 00-0134	EA	MSR2000, dual 2x2 11N radio; 320mW; DC powered; PSE Out; New Boot Loader; Japan model (Aruba networks MSR2KDC-JP).....	7,599.53	
27 29 00 00-0135	EA	MSR2000, dual 2x2 11N radio; 320mW; DC powered; PSE Out; New Boot Loader; US model (Aruba networks MSR2KDC-US).....	7,599.53	
27 29 00 00-0136	EA	MSR4000, quad 2x2 11N radio; 320mW; PoE; New Boot Loader; ROW model (Aruba networks MSR4KP).....	11,948.33	
27 29 00 00-0137	EA	MSR4000, quad 2x2 11N radio; 320mW; PoE; New Boot Loader; Japan model (Aruba networks MSR4KP-JP).....	11,948.33	
27 29 00 00-0138	EA	MSR4000, quad 2x2 11N radio; 320mW; PoE; New Boot Loader; US model (Aruba networks MSR4KP-US).....	11,948.33	
27 29 00 00-0139	EA	MSR4000, quad 2x2 11N radio; 320mW; AC powered; PSE Out; New Boot Loader; ROW model (Aruba networks MSR4KAC).....	12,818.09	
27 29 00 00-0140	EA	MSR4000, quad 2x2 11N radio; 320mW; AC powered; PSE Out; New Boot Loader; Japan model (Aruba networks MSR4KAC-JP).....	12,818.09	
27 29 00 00-0141	EA	MSR4000, quad 2x2 11N radio; 320mW; AC powered; PSE Out; New Boot Loader; US model (Aruba networks MSR4KAC-US).....	12,818.09	
27 29 00 00-0142	EA	MeshConfig Software for managing wireless mesh routers (indoor and outdoor) (Aruba networks MESH-SW-MC).....	2,163.53	
27 29 00 00-0143	EA	48 Volt DC, AC Power Adaptor, for MSR1200 mesh routers (Aruba networks AACPGKIT-00).....	108.72	
27 29 00 00-0144	EA	USB console cable, 1.5 meters, apply to all indoor and outdoor products (Aruba networks ACONGESTD-00).....	34.79	
27 29 00 00-0145	EA	Outdoor Installation Materials - Includes accessories that may be useful in the installation process: two electrical tape rolls, mastic tape, white tie wraps. (Aruba networks AINS2KKIT-00).....	54.36	
27 29 00 00-0146	EA	Set of 2 dual band staging antennas with N-type/male connectors (direct-mount, articulating) (Aruba networks ANT-2x2-STAGE).....	163.08	
27 29 00 00-0147	EA	Kit with weatherproof connector assembly to attach cable to (plastic) RJ45 interface on outdoor AP models (Aruba networks CKIT-RJ45-P).....	32.62	
27 29 00 00-0148	EA	Weatherproof cable assembly to connect to (plastic) USB interface on outdoor AP models (length: 5m) (Aruba networks CBL-USB-P).....	97.85	
27 29 00 00-0149	EA	Kit with weatherproof connector assembly to attach cable to (metal) RJ45 interface on outdoor AP models (Aruba networks CKIT-RJ45-M).....	206.57	
27 29 00 00-0150	EA	Weatherproof cable assembly to connect to (metal) USB interface on outdoor AP models (length: 5m) (Aruba networks CBL-USB-M).....	163.08	

27 Communications**27 20 Data Communications****27 29 Data Communications Network Systems**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

27 29 00 00-0151	EA	Weatherproof cable assembly to connect to (metal) AC power interface on outdoor AP models (length: 5m). North America version (Aruba networks CBL-AC-NA)	424.01
27 29 00 00-0152	EA	Weatherproof cable assembly to connect to (metal) AC power interface on outdoor AP models (length: 5m). International (EU) version (Aruba networks CBL-AC-INTL)	424.01
27 29 00 00-0153	EA	Weatherproof cable assembly to connect to (metal) DC power interface on outdoor AP models (length: 5m) (Aruba networks CBL-DC-WW)	424.01
27 29 00 00-0154	EA	Kit with weatherproof connector assembly to attach cable to (metal) AC power interface on outdoor AP models (Aruba networks CKIT-AC-M)	163.08
27 29 00 00-0155	EA	Kit with weatherproof connector assembly to attach cable to (metal) DC power interface on outdoor AP models (Aruba networks CKIT-DC-M)	163.08
27 29 00 00-0156	EA	7D antenna cable with 2 N type Male connectors, 1 meter (Aruba networks AFC7DL01-00)	65.23
27 29 00 00-0157	EA	7D antenna cable with 2 N type Male connectors, 2 meters (Aruba networks AFC7DL02-00)	78.28
27 29 00 00-0158	EA	7D antenna cable with 2 N type Male connectors, 3 meters (Aruba networks AFC7DL03-00)	97.85
27 29 00 00-0159	EA	7D antenna cable with 2 N type Male connectors, 4 meters (Aruba networks AFC7DL04-00)	119.59
27 29 00 00-0160	EA	RP-SMA/M to N/F GR316 soft jumper, 60cm; used between indoor products and 7D and 1/2" feeder (Aruba networks AFC2DL60-00)	39.14
27 29 00 00-0161	EA	RP-SMA/M to N/M, 60cm; used between indoor products and splitter (Aruba networks AFCSJMTM-00)	43.49

27 29 00 00-0162 Mobility Controllers and Accessories (27 29 00 00-0001)

27 29 00 00-0163	EA	Aruba 3200XM Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports, 0 AP Support, Unrestricted Regulatory Domain. These products should be considered as 'Rest of World' products and MUST NOT be used for deployments in the United States or Israel (Aruba networks 3200XM)	10,861.13
27 29 00 00-0164	EA	Aruba 3200XM Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports, 0 AP Support, Restricted Regulatory Domain - IL (Aruba networks 3200XM-IL)	10,861.13
27 29 00 00-0165	EA	Aruba 3200XM Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports, 0 AP Support, Restricted Regulatory Domain - US (Aruba networks 3200XM-US)	10,861.13
27 29 00 00-0166	EA	Aruba 3200XM Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports, 8 AP Support, Unrestricted Regulatory Domain. These products should be considered as 'Rest of World' products and MUST NOT be used for deployments in the United States or Israel (Aruba networks 3200XM-8)	11,948.33
27 29 00 00-0167	EA	Aruba 3200XM Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports, 8 AP Support, Restricted Regulatory Domain - IL (Aruba networks 3200XM-8-IL)	11,948.33
27 29 00 00-0168	EA	Aruba 3200XM Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports, 8 AP Support, Restricted Regulatory Domain - US (Aruba networks 3200XM-8-US)	11,948.33
27 29 00 00-0169	EA	Aruba 3200 Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports, 0 AP Support, Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States or Israel, FIPS and TAA Compliant (Aruba networks 3200-F1)	12,502.80
27 29 00 00-0170	EA	Aruba 3200 Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports, 0 AP Support, Restricted Regulatory Domain - IL, FIPS And TAA Compliant (Aruba networks 3200-ILF1)	12,502.80
27 29 00 00-0171	EA	Aruba 3200 Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports, 0 AP Support, Restricted Regulatory Domain - US, FIPS And TAA Compliant (Aruba networks 3200-USF1)	12,502.80
27 29 00 00-0172	EA	Aruba 3400 Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports, 0 AP Support, Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States or Israel (Aruba networks 3400)	17,384.33
27 29 00 00-0173	EA	Aruba 3400 Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports, 0 AP Support, Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States or Israel, FIPS and TAA Compliant (Aruba networks 3400-F1)	20,058.84
27 29 00 00-0174	EA	Aruba 3400 Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports, 32 AP Support, Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States or Israel (Aruba networks 3400-32)	21,733.13
27 29 00 00-0175	EA	Aruba 3400 Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports, 32 AP Support, Restricted Regulatory Domain - IL (Aruba networks 3400-32-IL)	21,733.13
27 29 00 00-0176	EA	Aruba 3400 Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports, 32 AP Support, Restricted Regulatory Domain - US (Aruba networks 3400-32-US)	21,733.13
27 29 00 00-0177	EA	Aruba 3400 Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports, 0 AP Support, Restricted Regulatory Domain - IL (Aruba networks 3400-IL)	17,384.33
27 29 00 00-0178	EA	Aruba 3400 Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports, 0 AP Support, Restricted Regulatory Domain - IL, FIPS And TAA Compliant (Aruba networks 3400-ILF1)	20,058.84
27 29 00 00-0179	EA	Aruba 3400 Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports, 0 AP Support, Restricted Regulatory Domain - US (Aruba networks 3400-US)	17,384.33
27 29 00 00-0180	EA	Aruba 3400 Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports, 0 AP Support, Restricted Regulatory Domain - US, FIPS And TAA Compliant (Aruba networks 3400-USF1)	20,058.84
27 29 00 00-0181	EA	Aruba 3600 Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports, 0 AP Support, Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States or Israel (Aruba networks 3600)	28,256.33
27 29 00 00-0182	EA	Aruba 3600 Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports, 0 AP Support, Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States or Israel, FIPS And TAA Compliant (Aruba networks 3600-F1)	32,605.13
27 29 00 00-0183	EA	Aruba 3600 Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports, 64 AP Support, Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States or Israel (Aruba networks 3600-64)	35,866.73
27 29 00 00-0184	EA	Aruba 3600 Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports, 64 AP Support, Restricted Regulatory Domain - IL (Aruba networks 3600-64-IL)	35,866.73
27 29 00 00-0185	EA	Aruba 3600 Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports, 64 AP Support, Restricted Regulatory Domain - US (Aruba networks 3600-64-US)	35,866.73
27 29 00 00-0186	EA	Aruba 3600 Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports, 0 AP Support, Restricted Regulatory Domain - IL (Aruba networks 3600-IL)	28,256.33
27 29 00 00-0187	EA	Aruba 3600 Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports, 0 AP Support, Restricted Regulatory Domain - IL, FIPS And TAA Compliant (Aruba networks 3600-ILF1)	32,605.13
27 29 00 00-0188	EA	Aruba 3600 Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports, 0 AP Support, Restricted Regulatory Domain - US (Aruba networks 3600-US)	28,256.33
27 29 00 00-0189	EA	Aruba 3600 Controller - 4x 10/100/1000BASE-T (RJ-45) or 1000BASE-X (SFP) dual personality ports, 0 AP Support, Restricted Regulatory Domain - US, FIPS And TAA Compliant (Aruba networks 3600-USF1)	32,605.13
27 29 00 00-0190	EA	Aruba 6000 Base System, SPOE Power, Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States or Israel (Aruba networks 6000-400)	8,686.73

			Communications	27	27
			Data Communications	27 20	
			Data Communications Network Systems	27 29	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

27 29 00 00-0191	EA	Aruba 6000 Base System, SPOE Power, Restricted Regulatory Domain - IL (Aruba networks 6000-400-IL).....	8,686.73		
27 29 00 00-0192	EA	Aruba 6000 Base System, SPOE Power, Restricted Regulatory Domain - US (Aruba networks 6000-400-US).....	8,686.73		
27 29 00 00-0193	EA	Aruba 6000 Base System, SPOE Power, Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States or Israel, FIPS And TAA Compliant (Aruba networks 6000-400-F1).....	16,840.73		
27 29 00 00-0194	EA	Aruba 6000 Base System, SPOE Power, Restricted Regulatory Domain - US, FIPS And TAA Compliant (Aruba networks 6000-400-USF1).....	16,840.73		
27 29 00 00-0195	EA	Aruba 6000 Base System, SPOE Power, Restricted Regulatory Domain - IL, FIPS And TAA Compliant (Aruba networks 6000-400-ILF1).....	16,840.73		
27 29 00 00-0196	EA	Aruba 620 Controller - 8x 10/100Base-T (RJ-45) 4 supporting PoE (PoE license included), 1x 10/100/1000Base-T (RJ-45), 1x USB ports, 0 AP Support, Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States or Israel (Aruba networks 620).....	3,196.37		
27 29 00 00-0197	EA	Aruba 620 Controller - 8x 10/100Base-T (RJ-45) 4 supporting PoE (PoE license included), 1x 10/100/1000Base-T (RJ-45), 1x USB ports, 0 AP Support, Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States or Israel, FIPS And TAA Compliant (Aruba networks 620-F1).....	3,674.74		
27 29 00 00-0198	EA	Aruba 620 Controller - 8x 10/100Base-T (RJ-45) 4 supporting PoE (PoE license included), 1x 10/100/1000Base-T (RJ-45), 1x USB ports, 0 AP Support, Restricted Regulatory Domain - IL, FIPS And TAA Compliant (Aruba networks 620-ILF1).....	3,674.74		
27 29 00 00-0199	EA	Aruba 620 Controller - 8x 10/100Base-T (RJ-45) 4 supporting PoE (PoE license included), 1x 10/100/1000Base-T (RJ-45), 1x USB ports, 0 AP Support, Restricted Regulatory Domain - US, FIPS And TAA Compliant (Aruba networks 620-USF1).....	3,674.74		
27 29 00 00-0200	EA	Aruba 620 Controller - 8x 10/100Base-T (RJ-45) 4 supporting PoE (PoE license included), 1x 10/100/1000Base-T (RJ-45), 1x USB ports, 4 AP Support, Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States or Israel (Aruba networks 620-4).....	3,805.20		
27 29 00 00-0201	EA	Aruba 620 Controller - 8x 10/100Base-T (RJ-45) 4 supporting PoE (PoE license included), 1x 10/100/1000Base-T (RJ-45), 1x USB ports, 0 AP Support, Restricted Regulatory Domain - IL (Aruba networks 620-IL).....	3,196.37		
27 29 00 00-0202	EA	Aruba 620 Controller - 8x 10/100Base-T (RJ-45) 4 supporting PoE (PoE license included), 1x 10/100/1000Base-T (RJ-45), 1x USB ports, 4 AP Support, Restricted Regulatory Domain - IL (Aruba networks 620-4-IL).....	3,805.20		
27 29 00 00-0203	EA	Aruba 620 Controller - 8x 10/100Base-T (RJ-45) 4 supporting PoE (PoE license included), 1x 10/100/1000Base-T (RJ-45), 1x USB ports, 0 AP Support, Restricted Regulatory Domain - US (Aruba networks 620-US).....	3,196.37		
27 29 00 00-0204	EA	Aruba 620 Controller - 8x 10/100Base-T (RJ-45) 4 supporting PoE (PoE license included), 1x 10/100/1000Base-T (RJ-45), 1x USB ports, 4 AP Support, Restricted Regulatory Domain - US (Aruba networks 620-4-US).....	3,805.20		
27 29 00 00-0205	EA	Aruba 650 Controller - 6x 10/100/1000Base-T (RJ-45) 4 supporting PoE (PoE license included), 2x 1000Base-X (SFP) ports, 4x USB ports, 0 AP Support, Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States or Israel (Aruba networks 650).....	5,098.97		
27 29 00 00-0206	EA	Aruba 650 Controller - 6x 10/100/1000Base-T (RJ-45) 4 supporting PoE (PoE license included), 2x 1000Base-X (SFP) ports, 4x USB ports, 0 AP Support, Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States or Israel, FIPS And TAA Compliant (Aruba networks 650-F1).....	5,860.01		
27 29 00 00-0207	EA	Aruba 650 Controller - 6x 10/100/1000Base-T (RJ-45) 4 supporting PoE (PoE license included), 2x 1000Base-X (SFP) ports, 4x USB ports, 0 AP Support, Restricted Regulatory Domain - IL, FIPS And TAA Compliant (Aruba networks 650-ILF1).....	5,860.01		
27 29 00 00-0208	EA	Aruba 650 Controller - 6x 10/100/1000Base-T (RJ-45) 4 supporting PoE (PoE license included), 2x 1000Base-X (SFP) ports, 4x USB ports, 0 AP Support, Restricted Regulatory Domain - US, FIPS And TAA Compliant (Aruba networks 650-USF1).....	5,860.01		
27 29 00 00-0209	EA	Aruba 650 Controller - 6x 10/100/1000Base-T (RJ-45) 4 supporting PoE (PoE license included), 2x 1000Base-X (SFP) ports, 4x USB ports, 8 AP Support, Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States or Israel (Aruba networks 650-8).....	6,294.89		
27 29 00 00-0210	EA	Aruba 650 Controller - 6x 10/100/1000Base-T (RJ-45) 4 supporting PoE (PoE license included), 2x 1000Base-X (SFP) ports, 4x USB ports, 0 AP Support, Restricted Regulatory Domain - IL (Aruba networks 650-IL).....	5,098.97		
27 29 00 00-0211	EA	Aruba 650 Controller - 6x 10/100/1000Base-T (RJ-45) 4 supporting PoE (PoE license included), 2x 1000Base-X (SFP) ports, 4x USB ports, 8 AP Support, Restricted Regulatory Domain - IL (Aruba networks 650-8-IL).....	6,294.89		
27 29 00 00-0212	EA	Aruba 650 Controller - 6x 10/100/1000Base-T (RJ-45) 4 supporting PoE (PoE license included), 2x 1000Base-X (SFP) ports, 4x USB ports, 0 AP Support, Restricted Regulatory Domain - US (Aruba networks 650-US).....	5,098.97		
27 29 00 00-0213	EA	Aruba 650 Controller - 6x 10/100/1000Base-T (RJ-45) 4 supporting PoE (PoE license included), 2x 1000Base-X (SFP) ports, 4x USB ports, 8 AP Support, Restricted Regulatory Domain - US (Aruba networks 650-8-US).....	6,294.89		
27 29 00 00-0214	EA	Aruba 6000 Series Base 4-Slot Chassis (Excludes Fan Tray), Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States or Israel (Aruba networks HW-CHAS).....	3,261.60		
27 29 00 00-0215	EA	Aruba 6000 Series Base 4-Slot Chassis (Excludes Fan Tray), Restricted Regulatory Domain - IL (Aruba networks HW-CHAS-IL).....	3,261.60		
27 29 00 00-0216	EA	Aruba 6000 Series Base 4-Slot Chassis (Excludes Fan Tray), Restricted Regulatory Domain - US (Aruba networks HW-CHAS-US).....	3,261.60		
27 29 00 00-0217	EA	Aruba 6000 Series Replacement Fan Tray (Aruba networks HW-FT).....	1,087.20		
27 29 00 00-0218	EA	Aruba 6000 Series Power Supply - 200 Watt (Aruba networks HW-PSU-200).....	1,087.20		
27 29 00 00-0219	EA	Aruba 6000 Series Power Supply - 400 Watt (Aruba networks HW-PSU-400).....	2,174.40		
27 29 00 00-0220	EA	Aruba GBIC Interface Adapter - T (Aruba networks LC-GBIC-T).....	1,087.20		
27 29 00 00-0221	EA	Aruba Multi-Service Controller Module Mark I, 10x 1000Base-X (SFP), 2x 10GBase-X (XFP), (128 AP Support) (Aruba networks M3mk1-128-S).....	76,093.13		
27 29 00 00-0222	EA	Aruba Multi-Service Controller Module Mark I, 10x 1000Base-X (SFP), 2x 10GBase-X (XFP), (0 AP Support) (Aruba networks M3mk1-S).....	58,697.93		
27 29 00 00-0223	EA	Aruba Multi-Service Controller Module Mark I, 10x 1000Base-X (SFP), 2x 10GBase-X (XFP), (0 AP Support), FIPS/TAA (Aruba networks M3mk1-S-F1).....	67,515.12		
27 29 00 00-0224	EA	Aruba 7210, 4x 10GBase-X (SFP+), 1x 350W AC PS, Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States or Israel (Aruba networks 7210).....	36,953.93		
27 29 00 00-0225	EA	Aruba 7210, 4x 10GBase-X (SFP+), 1x 350W AC PS, Restricted Regulatory Domain - IL (Aruba networks 7210-IL).....	36,953.93		
27 29 00 00-0226	EA	Aruba 7210, 4x 10GBase-X (SFP+), 1x 350W AC PS, Restricted Regulatory Domain - US (Aruba networks 7210-US).....	36,953.93		
27 29 00 00-0227	EA	Aruba 7220, 4x 10GBase-X (SFP+), 1x 350W AC PS, Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States or Israel (Aruba networks 7220).....	55,436.33		

27 Communications
27 20 Data Communications
27 29 Data Communications Network Systems

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

27 29 00 00-0228	EA	Aruba 7220, 4x 10GBase-X (SFP+), 1x 350W AC PS, Restricted Regulatory Domain - IL (Aruba networks 7220-IL)	55,436.33
27 29 00 00-0229	EA	Aruba 7220, 4x 10GBase-X (SFP+), 1x 350W AC PS, Restricted Regulatory Domain - US (Aruba networks 7220-US)	55,436.33
27 29 00 00-0230	EA	Aruba 7240, 4x 10GBase-X (SFP+), 1x 350W AC PS, Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States or Israel (Aruba networks 7240)	82,616.33
27 29 00 00-0231	EA	Aruba 7240, 4x 10GBase-X (SFP+), 1x 350W AC PS, Restricted Regulatory Domain - IL (Aruba networks 7240-IL)	82,616.33
27 29 00 00-0232	EA	Aruba 7240, 4x 10GBase-X (SFP+), 1x 350W AC PS, Restricted Regulatory Domain - US (Aruba networks 7240-US)	82,616.33
27 29 00 00-0233	EA	Aruba 7200 Series Fan Tray (Aruba networks HW-7200-FIT)	424.01
27 29 00 00-0234	EA	Aruba 7200 Series Expansion Slot Blank Panel (Aruba networks SPR-ESBLNK)	97.85
27 29 00 00-0235	EA	Aruba Supervisor Card I System Upgrade (48 AP to 128 AP Support) (Aruba networks SC-48-C1-UG-128)	10,872.00
27 29 00 00-0236	EA	1000BASE-LX SFP; 1310nm pluggable GbE optic; LC connector; up to 10,000 meters over single-mode fiber (Aruba networks SFP-LX)	1,402.49
27 29 00 00-0237	EA	1000BASE-SX SFP; 850nm pluggable GbE optic; LC connector; up to 300 meters over multi-mode fiber (Type OM2) (Aruba networks SFP-SX)	858.89
27 29 00 00-0238	EA	1000BASE-T SFP; copper GbE pluggable; RJ45 connector; up to 100 meters over Category-5, 5E, 6 and 6A unshielded twisted pair cable (Aruba networks SFP-TX)	641.45
27 29 00 00-0239	EA	Aruba XFP - 1310nm serial pluggable XFP optic (LC) for up to 10km over SMF (Aruba networks XFP-LR)	9,773.93
27 29 00 00-0240	EA	Aruba XFP - 850nm serial pluggable XFP optic (LC), target range 300m over MMF (Aruba networks XFP-SR)	4,990.25
27 29 00 00-0241	EA	Aruba 3200 Controller 1GB memory upgrade kit (Aruba networks 3200-MEM-UG)	858.89

27 29 00 00-0242 Other (27 29 00 00-0001)

27 29 00 00-0243	EA	AP-100 SERIES MOUNT KIT (Aruba networks AP-105-MNT)	97.85
27 29 00 00-0244	EA	AP-100 SERIES CEILING RAIL MOUNT KIT (Aruba networks AP-105-MNT-C)	32.62
27 29 00 00-0245	EA	AP-100 SERIES CEILING RAIL MOUNT KIT V2 (Aruba networks AP-105-MNT-C2)	54.36
27 29 00 00-0246	EA	AP-100 SERIES MOUNT KIT DC PWR (Aruba networks AP-105-MNT-DC)	97.85
27 29 00 00-0247	EA	Aruba 120 Series Wireless Access Point Wall / Ceiling Mounting Kit (Aruba networks AP-120-MNT)	76.10
27 29 00 00-0248	EA	AP-120 SERIES MOUNT KIT (Aruba networks AP-120-MNT-WJ)	206.57
27 29 00 00-0249	EA	AP-120 Cover Kit (Aruba networks AP-120-MNT-CV)	119.59
27 29 00 00-0250	EA	AP-130 SERIES MOUNT KIT (Aruba networks AP-130-MNT)	54.36
27 29 00 00-0251	EA	AP-130 SERIES MOUNT KIT V2 (Aruba networks AP-130-MNT-W2)	163.08
27 29 00 00-0252	EA	AP-130 SERIES CEILING RAIL MOUNT KIT V2 (Aruba networks AP-130-MNT-C2)	54.36
27 29 00 00-0253	EA	AP-90 SERIES MOUNT KIT (Aruba networks AP-90-MNT)	76.10
27 29 00 00-0254	EA	AP-90 SERIES MOUNT KIT V2 (Aruba networks AP-90-MNT-W2)	97.85
27 29 00 00-0255	EA	AP-90 SERIES CEILING RAIL MOUNT KIT V2 (Aruba networks AP-90-MNT-C2)	54.36
27 29 00 00-0256	EA	Aruba Outdoor Antenna Cable Extension - 10' Long low-loss LMR 400 antenna extension cable for use with Outdoor Access Points, interfaces AP N-Type Female interface to N-Type Male on antenna. (Aruba networks AP-CBL-1)	239.18
27 29 00 00-0257	EA	Aruba 620 Desk Stand Kit (Aruba networks HW-620-MNT-DESK)	184.82
27 29 00 00-0258	EA	Aruba 620 19" Equipment Rack Mounting Kit (Aruba networks HW-620-MNT-19)	315.29
27 29 00 00-0259	EA	Aruba 3000 Series Replacement 19" Equipment Rack Mounting Kit (Aruba networks HW-3000-MNT-19)	108.72
27 29 00 00-0260	EA	Aruba 6000 Series Replacement 19" Equipment Rack Mounting Kit (Aruba networks HW-MNT-19)	108.72
27 29 00 00-0261	EA	Aruba 6000 Series Power Supply Unit Slot Blank Panel (Aruba networks HW-PSU-BLANK)	130.46
27 29 00 00-0262	EA	Aruba 6000 Series Supervisor / Line Card Slot Blank Panel (Aruba networks HW-SC-LC-BLANK)	130.46

27 29 00 00-0263 ArubaOS Software (27 29 00 00-0001)

27 29 00 00-0264	EA	Security Software Bundle for A200 (8 AP License) (Aruba networks LIC-200-SEC)	1,522.08
27 29 00 00-0265	EA	Security Software Bundle for A800-4 (4 AP License) (Aruba networks LIC-804-SEC)	2,174.40
27 29 00 00-0266	EA	Security Software Bundle for A800-16 (16 AP License) (Aruba networks LIC-800-SEC)	8,697.60
27 29 00 00-0267	EA	Security Software Bundle Upgrade LIC-804-SEC to LIC-800-SEC (Aruba networks 804-UG-SEC-1)	6,523.20
27 29 00 00-0268	EA	Security Software Bundle for A2400-48 (48 AP License) (Aruba networks LIC-2400-SEC)	17,395.20
27 29 00 00-0269	EA	Security Software Bundle for Supervisor Card I (48 AP License) (Aruba networks LIC-SC1-SEC-48)	21,744.00
27 29 00 00-0270	EA	Security Software Bundle for Supervisor Card I (128 AP License) (Aruba networks LIC-SC1-SEC)	34,790.40
27 29 00 00-0271	EA	Security Software Bundle for Supervisor Card II (256 AP License) (Aruba networks LIC-SC2-SEC)	69,580.80
27 29 00 00-0272	EA	Security Software for Supervisor Card I (Upgrade 48 AP to 128 AP) (Aruba networks LIC-SC1-SEC-UG-1)	21,744.00
27 29 00 00-0273	EA	Policy Enforcement Firewall Module for A200 (8 AP License) (Aruba networks LIC-200-PEF)	761.04
27 29 00 00-0274	EA	Policy Enforcement Firewall Module for A800-4 (4 AP License) (Aruba networks LIC-804-PEF)	1,087.20
27 29 00 00-0275	EA	Policy Enforcement Firewall Module for A800-16 (16 AP License) (Aruba networks LIC-800-PEF)	4,348.80
27 29 00 00-0276	EA	Policy Enforcement Firewall Upgrade LIC-804-PEF to LIC-800-PEF (Aruba networks 804-UG-PEF-1)	3,261.60
27 29 00 00-0277	EA	Policy Enforcement Firewall Module for A2400-48 (48 AP License) (Aruba networks LIC-2400-PEF)	8,697.60
27 29 00 00-0278	EA	Policy Enforcement Firewall Module for Aruba Supervisor Card I (48 AP) (Aruba networks LIC-SC1-PEF-48)	10,872.00
27 29 00 00-0279	EA	Policy Enforcement Firewall Module for Aruba Supervisor Card I (128 AP) (Aruba networks LIC-SC1-PEF)	17,395.20
27 29 00 00-0280	EA	Policy Enforcement Firewall Module for Aruba Supervisor Card II (256 AP) (Aruba networks LIC-SC2-PEF)	34,790.40
27 29 00 00-0281	EA	Policy Enforcement Firewall for Supervisor Card I (Upgrade 48 AP to 128 AP) (Aruba networks LIC-SC1-PEF-UG-1)	10,872.00
27 29 00 00-0282	EA	Policy Enforcement Firewall Module License (32 Users) (Aruba networks LIC-PEF-32)	630.58
27 29 00 00-0283	EA	Policy Enforcement Firewall Module License (64 Users) (Aruba networks LIC-PEF-64)	1,195.92
27 29 00 00-0284	EA	Policy Enforcement Firewall Module License (128 Users) (Aruba networks LIC-PEF-128)	2,283.12
27 29 00 00-0285	EA	Policy Enforcement Firewall Module License (256 Users) (Aruba networks LIC-PEF-256)	4,348.80
27 29 00 00-0286	EA	Policy Enforcement Firewall Module License (512 Users) (Aruba networks LIC-PEF-512)	8,262.72
27 29 00 00-0287	EA	Policy Enforcement Firewall Module License (1024 Users) (Aruba networks LIC-PEF-1024)	15,655.68
27 29 00 00-0288	EA	Policy Enforcement Firewall Module License (2048 Users) (Aruba networks LIC-PEF-2048)	29,571.84
27 29 00 00-0289	EA	Policy Enforcement Firewall Module License (4096 Users) (Aruba networks LIC-PEF-4096)	53,229.31
27 29 00 00-0290	EA	Policy Enforcement Firewall Module License (8192 Users) (Aruba networks LIC-PEF-8192)	94,629.89
27 29 00 00-0291	EA	Policy Enforcement Firewall (1 AP License) (Aruba networks LIC-PEFNG-1)	173.95
27 29 00 00-0292	EA	Policy Enforcement Firewall (2 AP License) (Aruba networks LIC-PEFNG-2)	326.16
27 29 00 00-0293	EA	Policy Enforcement Firewall (4 AP License) (Aruba networks LIC-PEFNG-4)	630.58
27 29 00 00-0294	EA	Policy Enforcement Firewall (8 AP License) (Aruba networks LIC-PEFNG-8)	1,195.92
27 29 00 00-0295	EA	Policy Enforcement Firewall (16 AP License) (Aruba networks LIC-PEFNG-16)	2,283.12
27 29 00 00-0296	EA	Policy Enforcement Firewall (32 AP License) (Aruba networks LIC-PEFNG-32)	4,348.80
27 29 00 00-0297	EA	Policy Enforcement Firewall (64 AP License) (Aruba networks LIC-PEFNG-64)	8,262.72

Communications			27
Data Communications			27 20
Data Communications Network Systems			27 29
MINOR	UNIT COST	DEMOLITION	
CSI UOM DESCRIPTION		UNIT COST	

27 29 00 00-0298	EA	Policy Enforcement Firewall (128 AP License) (Aruba networks LIC-PEFNG-128).....	15,655.68
27 29 00 00-0299	EA	Policy Enforcement Firewall (256 AP License) (Aruba networks LIC-PEFNG-256).....	29,571.84
27 29 00 00-0300	EA	Policy Enforcement Firewall (384 AP License) (Aruba networks LIC-PEFNG-384).....	42,139.87
27 29 00 00-0301	EA	Policy Enforcement Firewall (512 AP License) (Aruba networks LIC-PEFNG-512).....	53,229.31
27 29 00 00-0302	EA	Policy Enforcement Firewall (1024 AP License) (Aruba networks LIC-PEFNG-1024).....	94,629.89
27 29 00 00-0303	EA	Policy Enforcement Firewall (2048 AP License) (Aruba networks LIC-PEFNG-2048).....	165,602.30
27 29 00 00-0304	EA	Policy Enforcement Firewall for Aruba 620 (VIA/VPN users) (Aruba networks LIC-620-PEFV).....	869.76
27 29 00 00-0305	EA	Policy Enforcement Firewall for Aruba 650 (VIA/VPN users) (Aruba networks LIC-650-PEFV).....	1,739.52
27 29 00 00-0306	EA	Policy Enforcement Firewall for Aruba 651 (VIA/VPN users) (Aruba networks LIC-651-PEFV).....	1,739.52
27 29 00 00-0307	EA	Policy Enforcement Firewall for Aruba 3200 (VIA/VPN users) (Aruba networks LIC-3200-PEFV).....	5,870.88
27 29 00 00-0308	EA	Policy Enforcement Firewall for Aruba 3400 (VIA/VPN users) (Aruba networks LIC-3400-PEFV).....	10,654.56
27 29 00 00-0309	EA	Policy Enforcement Firewall for Aruba 3600 (VIA/VPN users) (Aruba networks LIC-3600-PEFV).....	10,654.56
27 29 00 00-0310	EA	Policy Enforcement Firewall for Aruba M3 (VIA/VPN users) (Aruba networks LIC-M3-PEFV).....	10,654.56
27 29 00 00-0311	EA	Policy Enforcement Firewall for Aruba 7210 (VIA/VPN users) (Aruba networks LIC-7210-PEFV).....	34,790.40
27 29 00 00-0312	EA	Policy Enforcement Firewall for Aruba 7220 (VIA/VPN users) (Aruba networks LIC-7220-PEFV).....	52,185.60
27 29 00 00-0313	EA	Policy Enforcement Firewall for Aruba 7240 (VIA/VPN users) (Aruba networks LIC-7240-PEFV).....	69,580.80
27 29 00 00-0314	EA	Wireless Intrusion Protection Module for A200 (8 AP License) (Aruba networks LIC-200-WIP).....	761.04
27 29 00 00-0315	EA	Wireless Intrusion Protection Module for A800-4 (4 AP License) (Aruba networks LIC-804-WIP).....	1,087.20
27 29 00 00-0316	EA	Wireless Intrusion Protection Module for A800-16 (16 AP License) (Aruba networks LIC-800-WIP).....	4,348.80
27 29 00 00-0317	EA	Wireless Intrusion Protection Module Upgrade LIC-804-WIP to LIC-800-WIP (Aruba networks 804-UG-WIP-1).....	3,261.60
27 29 00 00-0318	EA	Wireless Intrusion Protection Module for A2400-48 (48 AP License) (Aruba networks LIC-2400-WIP).....	8,697.60
27 29 00 00-0319	EA	Wireless Intrusion Protection Module for Aruba Supervisor Card I (48 AP) (Aruba networks LIC-SC1-WIP-48).....	10,872.00
27 29 00 00-0320	EA	Wireless Intrusion Protection Module for Aruba Supervisor Card I (128 AP) (Aruba networks LIC-SC1-WIP).....	17,395.20
27 29 00 00-0321	EA	Wireless Intrusion Protection Module for Aruba Supervisor Card II (256 AP) (Aruba networks LIC-SC2-WIP).....	34,790.40
27 29 00 00-0322	EA	Wireless Intrusion Protection for Sup. Card I (Upgrade 48 AP to 128 AP) (Aruba networks LIC-SC1-WIP-UG-1).....	10,872.00
27 29 00 00-0323	EA	RF Protect License including WIP and Spectrum (1 AP Support) (Aruba networks LIC-RFP-1).....	152.21
27 29 00 00-0324	EA	RF Protect License including WIP and Spectrum (2 AP Support) (Aruba networks LIC-RFP-2).....	282.67
27 29 00 00-0325	EA	RF Protect License including WIP and Spectrum (4 AP Support) (Aruba networks LIC-RFP-4).....	521.86
27 29 00 00-0326	EA	RF Protect License including WIP and Spectrum (8 AP Support) (Aruba networks LIC-RFP-8).....	978.48
27 29 00 00-0327	EA	RF Protect License including WIP and Spectrum (16 AP Support) (Aruba networks LIC-RFP-16).....	1,826.50
27 29 00 00-0328	EA	RF Protect License including WIP and Spectrum (32 AP Support) (Aruba networks LIC-RFP-32).....	3,479.04
27 29 00 00-0329	EA	RF Protect License including WIP and Spectrum (64 AP Support) (Aruba networks LIC-RFP-64).....	6,588.43
27 29 00 00-0330	EA	RF Protect License including WIP and Spectrum (128 AP Support) (Aruba networks LIC-RFP-128).....	12,437.57
27 29 00 00-0331	EA	RF Protect License including WIP and Spectrum (256 AP Support) (Aruba networks LIC-RFP-256).....	22,396.32
27 29 00 00-0332	EA	RF Protect License including WIP and Spectrum (384 AP Support) (Aruba networks LIC-RFP-384).....	31,724.50
27 29 00 00-0333	EA	RF Protect License including WIP and Spectrum (512 AP Support) (Aruba networks LIC-RFP-512).....	39,813.26
27 29 00 00-0334	EA	RF Protect License including WIP and Spectrum (1024 AP Support) (Aruba networks LIC-RFP-1024).....	69,667.78
27 29 00 00-0335	EA	RF Protect License including WIP and Spectrum (2048 AP Support) (Aruba networks LIC-RFP-2048).....	119,418.05
27 29 00 00-0336	EA	Upgrade 800-04 to 800-16 (4 AP to 16 AP) (Aruba networks 804-UG-800).....	6,523.20
27 29 00 00-0337	EA	Access Point License (1 Access Point License) (Aruba networks LIC-1-AP).....	163.08
27 29 00 00-0338	EA	Access Point License (2 Access Point License) (Aruba networks LIC-2-AP).....	326.16
27 29 00 00-0339	EA	Access Point License (4 Access Point License) (Aruba networks LIC-4-AP).....	652.32
27 29 00 00-0340	EA	Access Point License (8 Access Point License) (Aruba networks LIC-8-AP).....	1,304.64
27 29 00 00-0341	EA	Access Point License (16 Access Point License) (Aruba networks LIC-16-AP).....	2,609.28
27 29 00 00-0342	EA	Access Point License (32 Access Point License) (Aruba networks LIC-32-AP).....	4,957.63
27 29 00 00-0343	EA	Access Point License (64 Access Point License) (Aruba networks LIC-64-AP).....	9,393.41
27 29 00 00-0344	EA	Access Point License (128 Access Point License) (Aruba networks LIC-128-AP).....	17,743.10
27 29 00 00-0345	EA	Access Point License (256 Access Point License) (Aruba networks LIC-256-AP).....	33,724.94
27 29 00 00-0346	EA	Access Point License (384 Access Point License) (Aruba networks LIC-384-AP).....	49,250.16
27 29 00 00-0347	EA	Access Point License (512 Access Point License) (Aruba networks LIC-512-AP).....	63,883.87
27 29 00 00-0348	EA	Access Point License (1024 Access Point License) (Aruba networks LIC-1024-AP).....	120,657.46
27 29 00 00-0349	EA	Access Point License (2048 Access Point License) (Aruba networks LIC-2048-AP).....	227,116.08
27 29 00 00-0350	EA	Security Software Bundle (1 AP License) (Aruba networks LIC-SEC-1).....	326.16
27 29 00 00-0351	EA	Security Software Bundle (2 AP License) (Aruba networks LIC-SEC-2).....	608.83
27 29 00 00-0352	EA	Security Software Bundle (4 AP License) (Aruba networks LIC-SEC-4).....	1,152.43
27 29 00 00-0353	EA	Security Software Bundle (8 AP License) (Aruba networks LIC-SEC-8).....	2,174.40
27 29 00 00-0354	EA	Security Software Bundle (16 AP License) (Aruba networks LIC-SEC-16).....	4,109.62
27 29 00 00-0355	EA	Security Software Bundle (32 AP License) (Aruba networks LIC-SEC-32).....	7,827.84
27 29 00 00-0356	EA	Security Software Bundle (64 AP License) (Aruba networks LIC-SEC-64).....	14,851.15
27 29 00 00-0357	EA	Security Software Bundle (128 AP License) (Aruba networks LIC-SEC-128).....	28,093.25
27 29 00 00-0358	EA	Security Software Bundle (256 AP License) (Aruba networks LIC-SEC-256).....	51,968.16
27 29 00 00-0359	EA	Security Software Bundle (384 AP License) (Aruba networks LIC-SEC-384).....	73,864.37
27 29 00 00-0360	EA	Security Software Bundle (512 AP License) (Aruba networks LIC-SEC-512).....	93,042.58
27 29 00 00-0361	EA	Security Software Bundle (1024 AP License) (Aruba networks LIC-SEC-1024).....	164,297.66
27 29 00 00-0362	EA	Remote Access Point License (Single Access Point License) (Aruba networks LIC-1-RAP).....	163.08
27 29 00 00-0363	EA	Remote Access Point License (4 Access Point License) (Aruba networks LIC-4-RAP).....	652.32
27 29 00 00-0364	EA	Remote Access Point License (6 Access Point License) (Aruba networks LIC-6-RAP).....	978.48
27 29 00 00-0365	EA	Remote Access Point License (8 Access Point License) (Aruba networks LIC-8-RAP).....	1,304.64
27 29 00 00-0366	EA	Remote Access Point License (16 Access Point License) (Aruba networks LIC-16-RAP).....	2,609.28
27 29 00 00-0367	EA	Remote Access Point License (24 Access Point License) (Aruba networks LIC-24-RAP).....	3,913.92
27 29 00 00-0368	EA	Remote Access Point License (32 Access Point License) (Aruba networks LIC-32-RAP).....	4,957.63
27 29 00 00-0369	EA	Remote Access Point License (48 Access Point License) (Aruba networks LIC-48-RAP).....	7,436.45
27 29 00 00-0370	EA	Remote Access Point License (64 Access Point License) (Aruba networks LIC-64-RAP).....	9,393.41
27 29 00 00-0371	EA	Remote Access Point License (128 Access Point License) (Aruba networks LIC-128-RAP).....	17,743.10
27 29 00 00-0372	EA	Remote Access Point License (256 Access Point License) (Aruba networks LIC-256-RAP).....	33,724.94
27 29 00 00-0373	EA	Remote Access Point License (512 Access Point License) (Aruba networks LIC-512-RAP).....	63,883.87
27 29 00 00-0374	EA	Remote Access Point License (1024 Access Point License) (Aruba networks LIC-1024-RAP).....	120,657.46
27 29 00 00-0375	EA	xSec Module Upgrade LIC-804-XSC to LIC-800-XSC (Aruba networks 804-UG-XSC-1).....	3,261.60
27 29 00 00-0376	EA	xSec Module for A200 (8 AP License) (Aruba networks LIC-200-XSC).....	761.04
27 29 00 00-0377	EA	xSec Module for A2400-48 (48 AP License) (Aruba networks LIC-2400-XSC).....	8,697.60
27 29 00 00-0378	EA	xSec Module for A800-16 (16 AP License) (Aruba networks LIC-800-XSC).....	4,348.80
27 29 00 00-0379	EA	xSec Module for A800-4 (4 AP License) (Aruba networks LIC-804-XSC).....	1,087.20
27 29 00 00-0380	EA	xSec Module for Aruba Supervisor Card I (128 AP) (Aruba networks LIC-SC1-XSC).....	17,395.20
27 29 00 00-0381	EA	xSec Module for Aruba Supervisor Card I (48 AP) (Aruba networks LIC-SC1-XSC-48).....	10,872.00
27 29 00 00-0382	EA	xSec Module for Supervisor Card I (Upgrade 48 AP to 128 AP) (Aruba networks LIC-SC1-XSC-UG-1).....	10,872.00

27 Communications
27 20 Data Communications
27 29 Data Communications Network Systems

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

27 29 00 00-0383	EA	xSec Module for Aruba Supervisor Card II (256 AP) (Aruba networks LIC-SC2-XSC)	34,790.40	
27 29 00 00-0384	EA	xSec Module License (1024 Sessions) (Aruba networks LIC-XSC-1024)	15,655.68	
27 29 00 00-0385	EA	xSec Module License (32 Sessions) (Aruba networks LIC-XSC-32)	630.58	
27 29 00 00-0386	EA	xSec Module License (64 Sessions) (Aruba networks LIC-XSC-64)	1,195.92	
27 29 00 00-0387	EA	xSec Module License (128 Sessions) (Aruba networks LIC-XSC-128)	2,283.12	
27 29 00 00-0388	EA	xSec Module License (256 Sessions) (Aruba networks LIC-XSC-256)	4,348.80	
27 29 00 00-0389	EA	xSec Module License (512 Sessions) (Aruba networks LIC-XSC-512)	8,262.72	
27 29 00 00-0390	EA	xSec Module License (2048 Sessions) (Aruba networks LIC-XSC-2048)	29,571.84	
27 29 00 00-0391	EA	xSec Module License (4096 Sessions) (Aruba networks LIC-XSC-4096)	53,229.31	
27 29 00 00-0392	EA	xSec Module License (8192 Sessions) (Aruba networks LIC-XSC-8192)	94,629.89	
27 29 00 00-0393	EA	Advanced Cryptography (8 Sessions) (Aruba networks LIC-ACR-8)	2,217.89	
27 29 00 00-0394	EA	Advanced Cryptography (32 Sessions) (Aruba networks LIC-ACR-32)	8,306.21	
27 29 00 00-0395	EA	Advanced Cryptography (64 Sessions) (Aruba networks LIC-ACR-64)	15,612.19	
27 29 00 00-0396	EA	Advanced Cryptography (128 Sessions) (Aruba networks LIC-ACR-128)	29,354.40	
27 29 00 00-0397	EA	Advanced Cryptography (256 Sessions) (Aruba networks LIC-ACR-256)	55,164.53	
27 29 00 00-0398	EA	Advanced Cryptography (512 Sessions) (Aruba networks LIC-ACR-512)	103,697.14	
27 29 00 00-0399	EA	Advanced Cryptography (1024 Sessions) (Aruba networks LIC-ACR-1024)	183,736.80	
27 29 00 00-0400	EA	PoE License for 600 Series (4 Ports) (Aruba networks LIC-4-POE)	260.93	

27 29 00 00-0401 AirWave (27 29 00 00-0001)

27 29 00 00-0402	EA	AirWave license for 25 devices (Aruba networks AW-25)	5,979.60	
27 29 00 00-0403	EA	AirWave license for 50 devices (Aruba networks AW-50)	10,861.13	
27 29 00 00-0404	EA	AirWave license for 100 devices (Aruba networks AW-100)	19,558.73	
27 29 00 00-0405	EA	AirWave license for 200 devices (Aruba networks AW-200)	32,605.13	
27 29 00 00-0406	EA	AirWave license for 500 devices (Aruba networks AW-500)	59,785.13	
27 29 00 00-0407	EA	AirWave license for 1000 devices (Aruba networks AW-1000)	80,441.93	
27 29 00 00-0408	EA	AirWave license for 2500 devices (Aruba networks AW-2500)	184,813.13	
27 29 00 00-0409	EA	AirWave site license for 2500 devices (Aruba networks AW-SL2500)	266,364.00	
27 29 00 00-0410	EA	AirWave expansion license (Aruba networks AW-EXP1-50)	215.27	
27 29 00 00-0411	EA	AirWave expansion license (2500 volume) (Aruba networks AW-EXP1-2500)	73.93	
27 29 00 00-0412	EA	AirWave site license expansion (Aruba networks AW-EXP1-SL2500)	106.55	
27 29 00 00-0413	EA	AirWave Failover for 25 devices (Aruba networks AW-25-FR)	1,793.88	
27 29 00 00-0414	EA	AirWave Failover for 50 devices (Aruba networks AW-50-FR)	3,250.73	
27 29 00 00-0415	EA	AirWave Failover for 100 devices (Aruba networks AW-100-FR)	5,860.01	
27 29 00 00-0416	EA	AirWave Failover for 200 devices (Aruba networks AW-200-FR)	9,773.93	
27 29 00 00-0417	EA	AirWave Failover for 500 devices (Aruba networks AW-500-FR)	17,384.33	
27 29 00 00-0418	EA	AirWave Failover for 1000 devices (Aruba networks AW-1000-FR)	21,733.13	
27 29 00 00-0419	EA	AirWave Failover for 2500 devices (Aruba networks AW-2500-FR)	54,349.13	
27 29 00 00-0420	EA	AirWave Failover expansion license (Aruba networks AW-EXF1-50)	65.23	
27 29 00 00-0421	EA	AirWave failover expansion (2500 volume) (Aruba networks AW-EXF1-2500)	21.74	
27 29 00 00-0422	EA	AirWave Master Console (Aruba networks AW-MASTER)	32,605.13	
27 29 00 00-0423	EA	Hardware appliance for AirWave Professional Edition and smaller software licenses (Aruba networks AW-HW-PRO)	106,273.80	
27 29 00 00-0424	EA	Hardware appliance for AirWave Enterprise Edition and smaller software licenses (Aruba networks AW-HW-ENT) ..	141,944.83	
27 29 00 00-0425	EA	717W redundant power supply for the AW-HW-PRO and AW-HW-ENT appliance hardware. Customer Install. (Aruba networks AW-HW-PSU)	2,315.74	

27 29 00 00-0426 Amigopod (27 29 00 00-0001)

27 29 00 00-0427	EA	SW starter kit (includes 100 user license) (Aruba networks AMG-SW-100)	21,733.13	
27 29 00 00-0428	EA	HW appliance kit (100 user license) (Aruba networks AMG-HW-100)	32,605.13	
27 29 00 00-0429	EA	HW appliance kit (2500 user license) (Aruba networks AMG-HW-2500)	163,069.13	
27 29 00 00-0430	EA	HA SW starter kit for AMG-SW-100 (Aruba networks AMG-SW-100R)	21,733.13	
27 29 00 00-0431	EA	HA HW appliance kit for AMG-HW-100 (Aruba networks AMG-HW-100R)	32,605.13	
27 29 00 00-0432	EA	Amigopod HW-2500 appliance with Amigopod software, no user license included, max 25,000 users (Aruba networks AMG-HW-BASE)	78,267.53	
27 29 00 00-0433	EA	Amigopod 25000 user expansion pack (Aruba networks AMG-LIC-25000)	679,500.00	
27 29 00 00-0434	EA	Amigopod 10000 user expansion pack (Aruba networks AMG-LIC-10000)	326,160.00	
27 29 00 00-0435	EA	Amigopod 2500 user expansion pack (Aruba networks AMG-LIC-2500)	108,709.13	
27 29 00 00-0436	EA	Amigopod 1000 user expansion pack (Aruba networks AMG-LIC-1000)	65,221.13	
27 29 00 00-0437	EA	Amigopod 200 user expansion pack (Aruba networks AMG-LIC-200)	32,605.13	
27 29 00 00-0438	EA	50 User License Pack (Aruba networks AMG-LIC-50)	8,686.73	
27 29 00 00-0439	EA	Advertising Services Plugin 200 users (Aruba networks AMG-ADVERT-200)	10,861.13	
27 29 00 00-0440	EA	Advertising Services Plugin 500 users (Aruba networks AMG-ADVERT-500)	21,733.13	
27 29 00 00-0441	EA	Advertising Services Plugin 10,000 users (Aruba networks AMG-ADVERT-10000)	65,221.13	
27 29 00 00-0442	EA	UI Customization Service (Aruba networks AMG-SKIN-PS)	5,436.00	

27 29 00 00-0443 ClearPass (27 29 00 00-0001)

27 29 00 00-0444	EA	Aruba ClearPass Policy Manager 500 HW Appliance - RADIUS/TACACS+ server with advanced policy control for up to 500 unique endpoints. Includes 25 endpoint Enterprise License. (Aruba networks CP-HW-500)	21,744.00	
27 29 00 00-0445	EA	Aruba ClearPass Policy Manager 5K HW Appliance - RADIUS/TACACS+ server with advanced policy control for up to 5,000 unique endpoints. Includes 25 endpoint Enterprise License (Aruba networks CP-HW-5K)	48,924.00	
27 29 00 00-0446	EA	Aruba ClearPass Policy Manager 25K HW Appliance - RADIUS/TACACS+ server with advanced policy control for up to 25,000 unique endpoints. Includes 25 endpoint Enterprise License (Aruba networks CP-HW-25K)	141,336.00	
27 29 00 00-0447	EA	Aruba ClearPass Policy Manager 500 Virtual Appliance - RADIUS/TACACS+ server with advanced policy control for up to 500 unique endpoints. Includes 25 endpoint Enterprise License (Aruba networks CP-VA-500)	14,133.60	
27 29 00 00-0448	EA	Aruba ClearPass Policy Manager 5K Virtual Appliance - RADIUS/TACACS+ server with advanced policy control for up to 5,000 unique endpoints. Includes 25 endpoint Enterprise License (Aruba networks CP-VA-5K)	32,616.00	
27 29 00 00-0449	EA	Aruba ClearPass Policy Manager 25K Virtual Appliance - RADIUS/TACACS+ server with advanced policy control for up to 25,000 unique endpoints. Includes 25 endpoint Enterprise License (Aruba networks CP-VA-25K)	119,592.00	
27 29 00 00-0450	EA	OnGuard License for Aruba ClearPass Policy Manager - 100 endpoints (Aruba networks LIC-CP-OG-100)	4,892.40	
27 29 00 00-0451	EA	OnGuard License for Aruba ClearPass Policy Manager - 500 endpoints (Aruba networks LIC-CP-OG-500)	24,462.00	
27 29 00 00-0452	EA	OnGuard License for Aruba ClearPass Policy Manager - 1,000 endpoints (Aruba networks LIC-CP-OG-1K)	39,139.20	

		Communications	27	27
		Data Communications	27 20	
		Data Communications Network Systems	27 29	
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
		UNIT COST	UNIT COST	

27 29 00 00-0453	EA	OnGuard License for Aruba ClearPass Policy Manager - 2,500 endpoints (Aruba networks LIC-CP-OG-2500).....	97,848.00	
27 29 00 00-0454	EA	OnGuard License for Aruba ClearPass Policy Manager - 5,000 endpoints (Aruba networks LIC-CP-OG-5K)	146,772.00	
27 29 00 00-0455	EA	OnGuard License for Aruba ClearPass Policy Manager - 10,000 endpoints (Aruba networks LIC-CP-OG-10K)	293,544.00	
27 29 00 00-0456	EA	OnGuard License for Aruba ClearPass Policy Manager - 25,000 endpoints (Aruba networks LIC-CP-OG-25K)	489,240.00	
27 29 00 00-0457	EA	Onboard License for Aruba ClearPass Policy Manager - 100 devices (Aruba networks LIC-CP-OB-100).....	7,610.40	
27 29 00 00-0458	EA	Onboard License for Aruba ClearPass Policy Manager - 500 devices (Aruba networks LIC-CP-OB-500).....	36,964.80	
27 29 00 00-0459	EA	Onboard License for Aruba ClearPass Policy Manager - 1,000 devices (Aruba networks LIC-CP-OB-1K).....	64,688.40	
27 29 00 00-0460	EA	Onboard License for Aruba ClearPass Policy Manager - 2,500 devices (Aruba networks LIC-CP-OB-2500).....	138,618.00	
27 29 00 00-0461	EA	Onboard License for Aruba ClearPass Policy Manager - 5,000 devices (Aruba networks LIC-CP-OB-5K).....	249,512.40	
27 29 00 00-0462	EA	Onboard License for Aruba ClearPass Policy Manager - 10,000 devices (Aruba networks LIC-CP-OB-10K).....	462,060.00	
27 29 00 00-0463	EA	Onboard License for Aruba ClearPass Policy Manager - 25,000 devices (Aruba networks LIC-CP-OB-25K).....	924,120.00	
27 29 00 00-0464	EA	Guest License for Aruba ClearPass Policy Manager - 100 endpoints (Aruba networks LIC-CP-GM-100)	6,523.20	
27 29 00 00-0465	EA	Guest License for Aruba ClearPass Policy Manager - 500 endpoints (Aruba networks LIC-CP-GM-500).....	21,744.00	
27 29 00 00-0466	EA	Guest License for Aruba ClearPass Policy Manager - 1,000 endpoints (Aruba networks LIC-CP-GM-1K).....	34,790.40	
27 29 00 00-0467	EA	Guest License for Aruba ClearPass Policy Manager - 2,500 endpoints (Aruba networks LIC-CP-GM-2500).....	86,976.00	
27 29 00 00-0468	EA	Guest License for Aruba ClearPass Policy Manager - 5,000 endpoints (Aruba networks LIC-CP-GM-5K).....	130,464.00	
27 29 00 00-0469	EA	Guest License for Aruba ClearPass Policy Manager - 10,000 endpoints (Aruba networks LIC-CP-GM-10K).....	217,440.00	
27 29 00 00-0470	EA	Guest License for Aruba ClearPass Policy Manager - 25,000 endpoints (Aruba networks LIC-CP-GM-25K).....	434,880.00	
27 29 00 00-0471	EA	Enterprise License for Aruba ClearPass Policy Manager - 100 endpoints (Aruba networks LIC-CP-EN-100)	9,241.20	
27 29 00 00-0472	EA	Enterprise License for Aruba ClearPass Policy Manager - 500 endpoints (Aruba networks LIC-CP-EN-500).....	44,031.60	
27 29 00 00-0473	EA	Enterprise License for Aruba ClearPass Policy Manager - 1,000 endpoints (Aruba networks LIC-CP-EN-1K).....	78,278.40	
27 29 00 00-0474	EA	Enterprise License for Aruba ClearPass Policy Manager - 2,500 endpoints (Aruba networks LIC-CP-EN-2500)	146,772.00	
27 29 00 00-0475	EA	Enterprise License for Aruba ClearPass Policy Manager - 5,000 endpoints (Aruba networks LIC-CP-EN-5K).....	234,835.20	
27 29 00 00-0476	EA	Enterprise License for Aruba ClearPass Policy Manager - 10,000 endpoints (Aruba networks LIC-CP-EN-10K).....	469,670.40	
27 29 00 00-0477	EA	Enterprise License for Aruba ClearPass Policy Manager - 25,000 endpoints (Aruba networks LIC-CP-EN-25K).....	1,027,404.00	
27 29 00 00-0478	EA	Enterprise 1 Year Subscription License for Aruba ClearPass Policy Manager - 100 endpoints (Aruba networks SUB1-CP-EN-100)	4,348.80	
27 29 00 00-0479	EA	Enterprise 1 Year Subscription License for Aruba ClearPass Policy Manager - 500 endpoints (Aruba networks SUB1-CP-EN-500)	19,569.60	
27 29 00 00-0480	EA	Enterprise 1 Year Subscription License for Aruba ClearPass Policy Manager - 1,000 endpoints (Aruba networks SUB1-CP-EN-1K).....	34,790.40	
27 29 00 00-0481	EA	Enterprise 1 Year Subscription License for Aruba ClearPass Policy Manager - 2,500 endpoints (Aruba networks SUB1-CP-EN-2500)	65,232.00	
27 29 00 00-0482	EA	Enterprise 1 Year Subscription License for Aruba ClearPass Policy Manager - 5,000 endpoints (Aruba networks SUB1-CP-EN-5K).....	104,371.20	
27 29 00 00-0483	EA	Enterprise 1 Year Subscription License for Aruba ClearPass Policy Manager - 10,000 endpoints (Aruba networks SUB1-CP-EN-10K).....	208,742.40	
27 29 00 00-0484	EA	Enterprise 1 Year Subscription License for Aruba ClearPass Policy Manager - 25,000 endpoints (Aruba networks SUB1-CP-EN-25K).....	456,624.00	
27 29 00 00-0485	EA	Enterprise 3 Year Subscription License for Aruba ClearPass Policy Manager - 100 endpoints (Aruba networks SUB3-CP-EN-100)	10,328.40	
27 29 00 00-0486	EA	Enterprise 3 Year Subscription License for Aruba ClearPass Policy Manager - 500 endpoints (Aruba networks SUB3-CP-EN-500)	48,924.00	
27 29 00 00-0487	EA	Enterprise 3 Year Subscription License for Aruba ClearPass Policy Manager - 1,000 endpoints (Aruba networks SUB3-CP-EN-1K).....	86,976.00	
27 29 00 00-0488	EA	Enterprise 3 Year Subscription License for Aruba ClearPass Policy Manager - 2,500 endpoints (Aruba networks SUB3-CP-EN-2500)	163,080.00	
27 29 00 00-0489	EA	Enterprise 3 Year Subscription License for Aruba ClearPass Policy Manager - 5,000 endpoints (Aruba networks SUB3-CP-EN-5K).....	260,928.00	
27 29 00 00-0490	EA	Enterprise 3 Year Subscription License for Aruba ClearPass Policy Manager - 10,000 endpoints (Aruba networks SUB3-CP-EN-10K).....	521,856.00	
27 29 00 00-0491	EA	Enterprise 3 Year Subscription License for Aruba ClearPass Policy Manager - 25,000 endpoints (Aruba networks SUB3-CP-EN-25K).....	1,141,560.00	
27 29 00 00-0492	EA	Enterprise 5 Year Subscription License for Aruba ClearPass Policy Manager - 100 endpoints (Aruba networks SUB5-CP-EN-100)	13,046.40	
27 29 00 00-0493	EA	Enterprise 5 Year Subscription License for Aruba ClearPass Policy Manager - 500 endpoints (Aruba networks SUB5-CP-EN-500).....	61,426.80	
27 29 00 00-0494	EA	Enterprise 5 Year Subscription License for Aruba ClearPass Policy Manager - 1,000 endpoints (Aruba networks SUB5-CP-EN-1K).....	108,720.00	
27 29 00 00-0495	EA	Enterprise 5 Year Subscription License for Aruba ClearPass Policy Manager - 2,500 endpoints (Aruba networks SUB5-CP-EN-2500)	203,850.00	
27 29 00 00-0496	EA	Enterprise 5 Year Subscription License for Aruba ClearPass Policy Manager - 5,000 endpoints (Aruba networks SUB5-CP-EN-5K).....	326,160.00	
27 29 00 00-0497	EA	Enterprise 5 Year Subscription License for Aruba ClearPass Policy Manager - 10,000 endpoints (Aruba networks SUB5-CP-EN-10K).....	652,320.00	
27 29 00 00-0498	EA	Enterprise 5 Year Subscription License for Aruba ClearPass Policy Manager - 25,000 endpoints (Aruba networks SUB5-CP-EN-25K).....	1,426,950.00	
27 29 00 00-0499	EA	Onboard 1 Year Subscription License for Aruba ClearPass Policy Manager - 100 devices (Aruba networks SUB1-CP-OB-100).....	3,261.60	
27 29 00 00-0500	EA	Onboard 1 Year Subscription License for Aruba ClearPass Policy Manager - 500 devices (Aruba networks SUB1-CP-OB-500).....	16,308.00	
27 29 00 00-0501	EA	Onboard 1 Year Subscription License for Aruba ClearPass Policy Manager - 1,000 devices (Aruba networks SUB1-CP-OB-1K).....	29,354.40	
27 29 00 00-0502	EA	Onboard 1 Year Subscription License for Aruba ClearPass Policy Manager - 2,500 devices (Aruba networks SUB1-CP-OB-2500)	61,970.40	
27 29 00 00-0503	EA	Onboard 1 Year Subscription License for Aruba ClearPass Policy Manager - 5,000 devices (Aruba networks SUB1-CP-OB-5K).....	110,894.40	
27 29 00 00-0504	EA	Onboard 1 Year Subscription License for Aruba ClearPass Policy Manager - 10,000 devices (Aruba networks SUB1-CP-OB-10K).....	205,480.80	
27 29 00 00-0505	EA	Onboard 1 Year Subscription License for Aruba ClearPass Policy Manager - 25,000 devices (Aruba networks SUB1-CP-OB-25K).....	409,874.40	
27 29 00 00-0506	EA	Onboard 3 Year Subscription License for Aruba ClearPass Policy Manager - 100 devices (Aruba networks SUB3-CP-OB-100).....	8,697.60	
27 29 00 00-0507	EA	Onboard 3 Year Subscription License for Aruba ClearPass Policy Manager - 500 devices (Aruba networks SUB3-CP-OB-500).....	40,770.00	
27 29 00 00-0508	EA	Onboard 3 Year Subscription License for Aruba ClearPass Policy Manager - 1,000 devices (Aruba networks SUB3-CP-OB-1K).....	71,755.20	

27 Communications**27 20 Data Communications****27 29 Data Communications Network Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

27 29 00 00-0509	EA	Onboard 3 Year Subscription License for Aruba ClearPass Policy Manager - 2,500 devices (Aruba networks SUB3-CP-OB-2500)	153,838.80	
27 29 00 00-0510	EA	Onboard 3 Year Subscription License for Aruba ClearPass Policy Manager - 5,000 devices (Aruba networks SUB3-CP-OB-5K)	277,236.00	
27 29 00 00-0511	EA	Onboard 3 Year Subscription License for Aruba ClearPass Policy Manager - 10,000 devices (Aruba networks SUB3-CP-OB-10K)	512,071.20	
27 29 00 00-0512	EA	Onboard 3 Year Subscription License for Aruba ClearPass Policy Manager - 25,000 devices (Aruba networks SUB3-CP-OB-25K)	1,025,773.20	
27 29 00 00-0513	EA	Onboard 5 Year Subscription License for Aruba ClearPass Policy Manager - 100 devices (Aruba networks SUB5-CP-OB-100)	10,872.00	
27 29 00 00-0514	EA	Onboard 5 Year Subscription License for Aruba ClearPass Policy Manager - 500 devices (Aruba networks SUB5-CP-OB-500)	51,098.40	
27 29 00 00-0515	EA	Onboard 5 Year Subscription License for Aruba ClearPass Policy Manager - 1,000 devices (Aruba networks SUB5-CP-OB-1K)	90,237.60	
27 29 00 00-0516	EA	Onboard 5 Year Subscription License for Aruba ClearPass Policy Manager - 2,500 devices (Aruba networks SUB5-CP-OB-2500)	192,978.00	
27 29 00 00-0517	EA	Onboard 5 Year Subscription License for Aruba ClearPass Policy Manager - 5,000 devices (Aruba networks SUB5-CP-OB-5K)	346,816.80	
27 29 00 00-0518	EA	Onboard 5 Year Subscription License for Aruba ClearPass Policy Manager - 10,000 devices (Aruba networks SUB5-CP-OB-10K)	642,535.20	
27 29 00 00-0519	EA	Onboard 5 Year Subscription License for Aruba ClearPass Policy Manager - 25,000 devices (Aruba networks SUB5-CP-OB-25K)	1,284,526.80	
27 29 00 00-0520	EA	Guest 1 Year Subscription License for Aruba ClearPass Policy Manager - 100 endpoints (Aruba networks SUB1-CP-GM-100)	2,718.00	
27 29 00 00-0521	EA	Guest 1 Year Subscription License for Aruba ClearPass Policy Manager - 500 endpoints (Aruba networks SUB1-CP-GM-500)	9,784.80	
27 29 00 00-0522	EA	Guest 1 Year Subscription License for Aruba ClearPass Policy Manager - 1,000 endpoints (Aruba networks SUB1-CP-GM-1K)	15,764.40	
27 29 00 00-0523	EA	Guest 1 Year Subscription License for Aruba ClearPass Policy Manager - 2,500 endpoints (Aruba networks SUB1-CP-GM-2500)	38,595.60	
27 29 00 00-0524	EA	Guest 1 Year Subscription License for Aruba ClearPass Policy Manager - 5,000 endpoints (Aruba networks SUB1-CP-GM-5K)	58,165.20	
27 29 00 00-0525	EA	Guest 1 Year Subscription License for Aruba ClearPass Policy Manager - 10,000 endpoints (Aruba networks SUB1-CP-GM-10K)	96,760.80	
27 29 00 00-0526	EA	Guest 1 Year Subscription License for Aruba ClearPass Policy Manager - 25,000 endpoints (Aruba networks SUB1-CP-GM-25K)	192,978.00	
27 29 00 00-0527	EA	Guest 3 Year Subscription License for Aruba ClearPass Policy Manager - 100 endpoints (Aruba networks SUB3-CP-GM-100)	7,610.40	
27 29 00 00-0528	EA	Guest 3 Year Subscription License for Aruba ClearPass Policy Manager - 500 endpoints (Aruba networks SUB3-CP-GM-500)	23,918.40	
27 29 00 00-0529	EA	Guest 3 Year Subscription License for Aruba ClearPass Policy Manager - 1,000 endpoints (Aruba networks SUB3-CP-GM-1K)	38,595.60	
27 29 00 00-0530	EA	Guest 3 Year Subscription License for Aruba ClearPass Policy Manager - 2,500 endpoints (Aruba networks SUB3-CP-GM-2500)	96,760.80	
27 29 00 00-0531	EA	Guest 3 Year Subscription License for Aruba ClearPass Policy Manager - 5,000 endpoints (Aruba networks SUB3-CP-GM-5K)	144,597.60	
27 29 00 00-0532	EA	Guest 3 Year Subscription License for Aruba ClearPass Policy Manager - 10,000 endpoints (Aruba networks SUB3-CP-GM-10K)	241,358.40	
27 29 00 00-0533	EA	Guest 3 Year Subscription License for Aruba ClearPass Policy Manager - 25,000 endpoints (Aruba networks SUB3-CP-GM-25K)	482,716.80	
27 29 00 00-0534	EA	Guest 5 Year Subscription License for Aruba ClearPass Policy Manager - 100 endpoints (Aruba networks SUB5-CP-GM-100)	9,241.20	
27 29 00 00-0535	EA	Guest 5 Year Subscription License for Aruba ClearPass Policy Manager - 500 endpoints (Aruba networks SUB5-CP-GM-500)	30,441.60	
27 29 00 00-0536	EA	Guest 5 Year Subscription License for Aruba ClearPass Policy Manager - 1,000 endpoints (Aruba networks SUB5-CP-GM-1K)	48,380.40	
27 29 00 00-0537	EA	Guest 5 Year Subscription License for Aruba ClearPass Policy Manager - 2,500 endpoints (Aruba networks SUB5-CP-GM-2500)	120,679.20	
27 29 00 00-0538	EA	Guest 5 Year Subscription License for Aruba ClearPass Policy Manager - 5,000 endpoints (Aruba networks SUB5-CP-GM-5K)	181,562.40	
27 29 00 00-0539	EA	Guest 5 Year Subscription License for Aruba ClearPass Policy Manager - 10,000 endpoints (Aruba networks SUB5-CP-GM-10K)	302,241.60	
27 29 00 00-0540	EA	Guest 5 Year Subscription License for Aruba ClearPass Policy Manager - 25,000 endpoints (Aruba networks SUB5-CP-GM-25K)	604,483.20	
27 29 00 00-0541	EA	OnGuard 1 Year Subscription License for Aruba ClearPass Policy Manager - 100 endpoints (Aruba networks SUB1-CP-OG-100)	2,174.40	
27 29 00 00-0542	EA	OnGuard 1 Year Subscription License for Aruba ClearPass Policy Manager - 500 endpoints (Aruba networks SUB1-CP-OG-500)	10,872.00	
27 29 00 00-0543	EA	OnGuard 1 Year Subscription License for Aruba ClearPass Policy Manager - 1,000 endpoints (Aruba networks SUB1-CP-OG-1K)	17,395.20	
27 29 00 00-0544	EA	OnGuard 1 Year Subscription License for Aruba ClearPass Policy Manager - 2,500 endpoints (Aruba networks SUB1-CP-OG-2500)	43,488.00	
27 29 00 00-0545	EA	OnGuard 1 Year Subscription License for Aruba ClearPass Policy Manager - 5,000 endpoints (Aruba networks SUB1-CP-OG-5K)	65,232.00	
27 29 00 00-0546	EA	OnGuard 1 Year Subscription License for Aruba ClearPass Policy Manager - 10,000 endpoints (Aruba networks SUB1-CP-OG-10K)	130,464.00	
27 29 00 00-0547	EA	OnGuard 1 Year Subscription License for Aruba ClearPass Policy Manager - 25,000 endpoints (Aruba networks SUB1-CP-OG-25K)	216,352.80	
27 29 00 00-0548	EA	OnGuard 3 Year Subscription License for Aruba ClearPass Policy Manager - 100 endpoints (Aruba networks SUB3-CP-OG-100)	6,523.20	
27 29 00 00-0549	EA	OnGuard 3 Year Subscription License for Aruba ClearPass Policy Manager - 500 endpoints (Aruba networks SUB3-CP-OG-500)	27,180.00	
27 29 00 00-0550	EA	OnGuard 3 Year Subscription License for Aruba ClearPass Policy Manager - 1,000 endpoints (Aruba networks SUB3-CP-OG-1K)	43,488.00	
27 29 00 00-0551	EA	OnGuard 3 Year Subscription License for Aruba ClearPass Policy Manager - 2,500 endpoints (Aruba networks SUB3-CP-OG-2500)	108,720.00	
27 29 00 00-0552	EA	OnGuard 3 Year Subscription License for Aruba ClearPass Policy Manager - 5,000 endpoints (Aruba networks SUB3-CP-OG-5K)	163,080.00	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-0553	EA	OnGuard 3 Year Subscription License for Aruba ClearPass Policy Manager - 10,000 endpoints (Aruba networks SUB3-CP-OG-10K)	325,072.80	
27 29 00 00-0554	EA	OnGuard 3 Year Subscription License for Aruba ClearPass Policy Manager - 25,000 endpoints (Aruba networks SUB3-CP-OG-25K)	542,512.80	
27 29 00 00-0555	EA	OnGuard 5 Year Subscription License for Aruba ClearPass Policy Manager - 100 endpoints (Aruba networks SUB5-CP-OG-100)	7,066.80	
27 29 00 00-0556	EA	OnGuard 5 Year Subscription License for Aruba ClearPass Policy Manager - 500 endpoints (Aruba networks SUB5-CP-OG-500)	33,703.20	
27 29 00 00-0557	EA	OnGuard 5 Year Subscription License for Aruba ClearPass Policy Manager - 1,000 endpoints (Aruba networks SUB5-CP-OG-1K)	54,360.00	
27 29 00 00-0558	EA	OnGuard 5 Year Subscription License for Aruba ClearPass Policy Manager - 2,500 endpoints (Aruba networks SUB5-CP-OG-2500)	135,900.00	
27 29 00 00-0559	EA	OnGuard 5 Year Subscription License for Aruba ClearPass Policy Manager - 5,000 endpoints (Aruba networks SUB5-CP-OG-5K)	217,440.00	
27 29 00 00-0560	EA	OnGuard 5 Year Subscription License for Aruba ClearPass Policy Manager - 10,000 endpoints (Aruba networks SUB5-CP-OG-10K)	407,700.00	
27 29 00 00-0561	EA	OnGuard 5 Year Subscription License for Aruba ClearPass Policy Manager - 25,000 endpoints (Aruba networks SUB5-CP-OG-25K)	679,500.00	
27 29 00 00-0562	EA	1-year Aruba QuickConnect Cloud Service Subscription – 1-1,000 users (price per user) - Includes support. (Aruba networks QC-1-C)	13.05	
27 29 00 00-0563	EA	1-year Aruba QuickConnect Cloud Service Subscription – 1,001-5,000 users (price per user) - Includes support. (Aruba networks QC-2-C)	9.78	
27 29 00 00-0564	EA	1-year Aruba QuickConnect Cloud Service Subscription – 5,001-10,000 users (price per user) - Includes support. (Aruba networks QC-3-C)	7.61	
27 29 00 00-0565	EA	1-year Aruba QuickConnect Cloud Service Subscription – Increments of 10,000 users (price per user) - Includes support. (Aruba networks QC-4-C)	5.44	
27 29 00 00-0566		Aruba Instant Access Points (27 29 00 00-0001)		
27 29 00 00-0567	EA	Aruba Instant 92 Wireless Access Point, 802.11abgn, dual-band, single radio, antenna connectors. Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States, Japan or Israel (Aruba networks IAP-92)	858.89	
27 29 00 00-0568	EA	Aruba Instant 92 Wireless Access Point, 802.11abgn, dual-band, single radio, antenna connectors. Restricted Regulatory Domain - US (Aruba networks IAP-92-US)	858.89	
27 29 00 00-0569	EA	Aruba Instant 92 Wireless Access Point, 802.11abgn, dual-band, single radio, antenna connectors. Restricted Regulatory Domain - IL (Aruba networks IAP-92-IL)	858.89	
27 29 00 00-0570	EA	Aruba Instant 92 Wireless Access Point, 802.11abgn, dual-band, single radio, antenna connectors. Restricted Regulatory Domain - JP (Aruba networks IAP-92-JP)	858.89	
27 29 00 00-0571	EA	Aruba Instant 93 Wireless Access Point, 802.11abgn, dual-band, single radio, integrated antennas. Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States, Japan or Israel (Aruba networks IAP-93)	858.89	
27 29 00 00-0572	EA	Aruba Instant 93 Wireless Access Point, 802.11abgn, dual-band, single radio, integrated antennas. Restricted Regulatory Domain - US (Aruba networks IAP-93-US)	858.89	
27 29 00 00-0573	EA	Aruba Instant 93 Wireless Access Point, 802.11abgn, dual-band, single radio, integrated antennas. Restricted Regulatory Domain - IL (Aruba networks IAP-93-IL)	858.89	
27 29 00 00-0574	EA	Aruba Instant 93 Wireless Access Point, 802.11abgn, dual-band, single radio, integrated antennas. Restricted Regulatory Domain - JP (Aruba networks IAP-93-JP)	858.89	
27 29 00 00-0575	EA	Aruba Instant 104 Wireless Access Point, 802.11abgn, dual-band, dual radio, antenna connectors. Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States, Japan or Israel (Aruba networks IAP-104)	1,511.21	
27 29 00 00-0576	EA	Aruba Instant 104 Wireless Access Point, 802.11abgn, dual-band, dual radio, antenna connectors. Restricted Regulatory Domain - US (Aruba networks IAP-104-US)	1,511.21	
27 29 00 00-0577	EA	Aruba Instant 104 Wireless Access Point, 802.11abgn, dual-band, dual radio, antenna connectors. Restricted Regulatory Domain - IL (Aruba networks IAP-104-IL)	1,511.21	
27 29 00 00-0578	EA	Aruba Instant 104 Wireless Access Point, 802.11abgn, dual-band, dual radio, antenna connectors. Restricted Regulatory Domain - JP (Aruba networks IAP-104-JP)	1,511.21	
27 29 00 00-0579	EA	Aruba Instant 104 Wireless Access Point, 802.11abgn, dual-band, dual radio, antenna connectors. Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States, Japan or Israel, FIPS/TAA (Aruba networks IAP-104-F1)	1,728.65	
27 29 00 00-0580	EA	Aruba Instant 104 Wireless Access Point, 802.11abgn, dual-band, dual radio, antenna connectors. Restricted Regulatory Domain - US, FIPS/TAA (Aruba networks IAP-104-USF1)	1,728.65	
27 29 00 00-0581	EA	Aruba Instant 105 Wireless Access Point, 802.11abgn, dual-band, dual radio, integrated antennas. Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States, Japan or Israel (Aruba networks IAP-105)	1,511.21	
27 29 00 00-0582	EA	Aruba Instant 105 Wireless Access Point, 802.11abgn, dual-band, dual radio, integrated antennas. Restricted Regulatory Domain - US (Aruba networks IAP-105-US)	1,511.21	
27 29 00 00-0583	EA	Aruba Instant 105 Wireless Access Point, 802.11abgn, dual-band, dual radio, integrated antennas. Restricted Regulatory Domain - IL (Aruba networks IAP-105-IL)	1,511.21	
27 29 00 00-0584	EA	Aruba Instant 105 Wireless Access Point, 802.11abgn, dual-band, dual radio, integrated antennas. Restricted Regulatory Domain - JP (Aruba networks IAP-105-JP)	1,511.21	
27 29 00 00-0585	EA	Aruba Instant 105 Wireless Access Point, 802.11abgn, dual-band, dual radio, integrated antennas. Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States, Japan or Israel, FIPS/TAA (Aruba networks IAP-105-F1)	1,728.65	
27 29 00 00-0586	EA	Aruba Instant 105 Wireless Access Point, 802.11abgn, dual-band, dual radio, integrated antennas. Restricted Regulatory Domain - US, FIPS/TAA (Aruba networks IAP-105-USF1)	1,728.65	
27 29 00 00-0587	EA	Aruba Instant 135 Wireless Access Point, 802.11abgn, 3x3:3, dual radio, integrated antennas. Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States, Japan or Israel (Aruba networks IAP-135)	2,380.97	
27 29 00 00-0588	EA	Aruba Instant 135 Wireless Access Point, 802.11abgn, 3x3:3, dual radio, integrated antennas. Restricted Regulatory Domain - US (Aruba networks IAP-135-US)	2,380.97	
27 29 00 00-0589	EA	Aruba Instant 135 Wireless Access Point, 802.11abgn, 3x3:3, dual radio, integrated antennas. Restricted Regulatory Domain - IL (Aruba networks IAP-135-IL)	2,380.97	
27 29 00 00-0590	EA	Aruba Instant 135 Wireless Access Point, 802.11abgn, 3x3:3, dual radio, integrated antennas. Restricted Regulatory Domain - JP (Aruba networks IAP-135-JP)	2,380.97	
27 29 00 00-0591	EA	Aruba Instant 135 Wireless Access Point, 802.11abgn, 3x3:3, dual radio, integrated antennas. Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States, Japan or Israel, FIPS/TAA (Aruba networks IAP-135-F1)	2,815.85	
27 29 00 00-0592	EA	Aruba Instant 135 Wireless Access Point, 802.11abgn, 3x3:3, dual radio, integrated antennas. Restricted Regulatory Domain - US, FIPS/TAA (Aruba networks IAP-135-USF1)	2,815.85	

27 Communications**27 20 Data Communications****27 29 Data Communications Network Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

27 29 00 00-0593	EA	Aruba Instant 134 Wireless Access Point, 802.11abgn, 3x3:3, dual radio, antenna connectors. Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States, Japan or Israel (Aruba networks IAP-134)	2,380.97	
27 29 00 00-0594	EA	Aruba Instant 134 Wireless Access Point, 802.11abgn, 3x3:3, dual radio, antenna connectors. Restricted Regulatory Domain - US (Aruba networks IAP-134-US)	2,380.97	
27 29 00 00-0595	EA	Aruba Instant 134 Wireless Access Point, 802.11abgn, 3x3:3, dual radio, antenna connectors. Restricted Regulatory Domain - IL (Aruba networks IAP-134-IL)	2,380.97	
27 29 00 00-0596	EA	Aruba Instant 134 Wireless Access Point, 802.11abgn, 3x3:3, dual radio, antenna connectors. Restricted Regulatory Domain - JP (Aruba networks IAP-134-JP)	2,380.97	
27 29 00 00-0597	EA	Aruba Instant 134 Wireless Access Point, 802.11abgn, 3x3:3, dual radio, antenna connectors. Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States, Japan or Israel, FIPS/TAA (Aruba networks IAP-134-F1)	2,815.85	
27 29 00 00-0598	EA	Aruba Instant 134 Wireless Access Point, 802.11abgn, 3x3:3, dual radio, antenna connectors. Restricted Regulatory Domain - US, FIPS/TAA (Aruba networks IAP-134-USF1)	2,815.85	
27 29 00 00-0599	EA	Aruba Instant 175P Wireless Outdoor Access Point, 802.11abgn, dual-band, dual radio, POE powered. Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States, Japan or Israel (Aruba networks IAP-175P)	4,990.25	
27 29 00 00-0600	EA	Aruba Instant 175P Wireless Outdoor Access Point, 802.11abgn, dual-band, dual radio, POE powered. Restricted Regulatory Domain - US (Aruba networks IAP-175P-US)	4,990.25	
27 29 00 00-0601	EA	Aruba Instant 175P Wireless Outdoor Access Point, 802.11abgn, dual-band, dual radio, POE powered. Restricted Regulatory Domain - IL (Aruba networks IAP-175P-IL)	4,990.25	
27 29 00 00-0602	EA	Aruba Instant 175P Wireless Outdoor Access Point, 802.11abgn, dual-band, dual radio, POE powered. Restricted Regulatory Domain - JP (Aruba networks IAP-175P-JP)	4,990.25	
27 29 00 00-0603	EA	Aruba Instant 175P Wireless Outdoor Access Point, 802.11abgn, dual-band, dual radio, POE powered. Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States, Japan or Israel, FIPS/TAA (Aruba networks IAP-175P-F1)	5,751.29	
27 29 00 00-0604	EA	Aruba Instant 175P Wireless Outdoor Access Point, 802.11abgn, dual-band, dual radio, POE powered. Restricted Regulatory Domain - US, FIPS/TAA (Aruba networks IAP-175P-USF1)	5,751.29	
27 29 00 00-0605	EA	Aruba Instant 175AC Wireless Outdoor Access Point, 802.11abgn, dual-band, dual radio, AC powered (with PSE function). Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States, Japan or Israel (Aruba networks IAP-175AC)	5,642.57	
27 29 00 00-0606	EA	Aruba Instant 175AC Wireless Outdoor Access Point, 802.11abgn, dual-band, dual radio, AC powered (with PSE function). Restricted Regulatory Domain - US (Aruba networks IAP-175AC-US)	5,642.57	
27 29 00 00-0607	EA	Aruba Instant 175AC Wireless Outdoor Access Point, 802.11abgn, dual-band, dual radio, AC powered (with PSE function). Restricted Regulatory Domain - IL (Aruba networks IAP-175AC-IL)	5,642.57	
27 29 00 00-0608	EA	Aruba Instant 175AC Wireless Outdoor Access Point, 802.11abgn, dual-band, dual radio, AC powered (with PSE function). Restricted Regulatory Domain - JP (Aruba networks IAP-175AC-JP)	5,642.57	
27 29 00 00-0609	EA	Aruba Instant 175AC Wireless Outdoor Access Point, 802.11abgn, dual-band, dual radio, AC powered (with PSE function). Unrestricted Regulatory Domain. These products should be considered as Rest of World products and MUST NOT be used for deployments in the United States, Japan or Israel, FIPS/TAA (Aruba networks IAP-175AC-F1)	6,512.33	
27 29 00 00-0610	EA	Aruba Instant 175AC Wireless Outdoor Access Point, 802.11abgn, dual-band, dual radio, AC powered (with PSE function). Restricted Regulatory Domain - US, FIPS/TAA (Aruba networks IAP-175AC-USF1)	6,512.33	

27 29 00 00-0611 ARUBA S3500 Mobility Access Switch (27 29 00 00-0001)

27 29 00 00-0612	EA	S3500-24P Mobility Access Switch with 24 10/100/1000BASE-T IEEE 802.3af PoE/802.3at PoE+ ports and optional uplink module slot (uplink module ordered separately). Includes 600W AC power supply. RoW regulatory (NOT for deployments in USA or Israel). (Aruba networks S3500-24P)	8,686.73	
27 29 00 00-0613	EA	S3500-24P Mobility Access Switch with 24 10/100/1000BASE-T IEEE 802.3af PoE/802.3at PoE+ ports and optional uplink module slot (uplink module ordered separately). Includes 600W AC power supply. US regulatory (for deployments in USA only). (Aruba networks S3500-24P-US)	8,686.73	
27 29 00 00-0614	EA	S3500-24P Mobility Access Switch with 24 10/100/1000BASE-T IEEE 802.3af PoE/802.3at PoE+ ports and optional uplink module slot (uplink module ordered separately). Includes 600W AC power supply. IL regulatory (for deployments in Israel only). (Aruba networks S3500-24P-IL)	8,686.73	
27 29 00 00-0615	EA	S3500-24T Mobility Access Switch with 24 10/100/1000BASE-T ports and optional uplink module slot (uplink module ordered separately). Includes 350W AC power supply. (Aruba networks S3500-24T)	6,947.21	
27 29 00 00-0616	EA	S3500-48P Mobility Access Switch with 48 10/100/1000BASE-T IEEE 802.3af PoE/802.3at PoE+ ports and optional uplink module slot (uplink module ordered separately). Includes 600W AC power supply. RoW regulatory (NOT for deployments in USA or Israel). (Aruba networks S3500-48P)	15,209.93	
27 29 00 00-0617	EA	S3500-48P Mobility Access Switch with 48 10/100/1000BASE-T IEEE 802.3af PoE/802.3at PoE+ ports and optional uplink module slot (uplink module ordered separately). Includes 600W AC power supply. US regulatory (for deployments in USA only). (Aruba networks S3500-48P-US)	15,209.93	
27 29 00 00-0618	EA	S3500-48P Mobility Access Switch with 48 10/100/1000BASE-T IEEE 802.3af PoE/802.3at PoE+ ports and optional uplink module slot (uplink module ordered separately). Includes 600W AC power supply. IL regulatory (for deployments in Israel only). (Aruba networks S3500-48P-IL)	15,209.93	
27 29 00 00-0619	EA	S3500-48P Mobility Access Switch with 48 10/100/1000BASE-T IEEE 802.3af PoE/802.3at PoE+ ports and optional uplink module slot (uplink module ordered separately). Includes 1050W AC power supply. RoW regulatory (NOT for deployments in USA or Israel). (Aruba networks S3500-48PF)	16,297.13	
27 29 00 00-0620	EA	S3500-48P Mobility Access Switch with 48 10/100/1000BASE-T IEEE 802.3af PoE/802.3at PoE+ ports and optional uplink module slot (uplink module ordered separately). Includes 1050W AC power supply. US regulatory (for deployments in USA only). (Aruba networks S3500-48PF-US)	16,297.13	
27 29 00 00-0621	EA	S3500-48P Mobility Access Switch with 48 10/100/1000BASE-T IEEE 802.3af PoE/802.3at PoE+ ports and optional uplink module slot (uplink module ordered separately). Includes 1050W AC power supply. IL regulatory (for deployments in Israel only). (Aruba networks S3500-48PF-IL)	16,297.13	
27 29 00 00-0622	EA	S3500-48T Mobility Access Switch with 48 10/100/1000BASE-T ports and optional uplink module slot (uplink module ordered separately). Includes 350W AC power supply. (Aruba networks S3500-48T)	11,948.33	
27 29 00 00-0623	EA	S3500-24F Mobility Access Switch with 24 GbE SFP ports (optics ordered separately) and optional uplink module slot (uplink module ordered separately). Includes 350W AC power supply. (Aruba networks S3500-24F)	15,209.93	
27 29 00 00-0624	EA	S3500 Uplink Module with 4 GbE/10GbE SFP/SFP+ (pluggable transceivers ordered separately) for use with S3500-24T, -24P, -48T, -48P and -48PF. Provides uplinks and ArubaStack interconnects. Includes one 50cm direct-attach cable (DAC) for ArubaStack. (Aruba networks S3500-4x10G)	3,250.73	
27 29 00 00-0625	EA	350W AC Power Supply. May be used as a redundant power supply or field-replaceable spare for 7200 Series, S3500-24T and S3500-48T. (Aruba networks PSU-350-AC)	1,076.33	
27 29 00 00-0626	EA	600W AC Power Supply. May be used as a redundant power supply or field-replaceable spare for S3500-24P, -48P, -24T, -48T. (Aruba networks PSU-600-AC)	2,163.53	
27 29 00 00-0627	EA	1050W AC Power Supply. May be used as a redundant power supply or field-replaceable spare for S3500-24P, -48P, -24T, -48T. (Aruba networks PSU-1050-AC)	3,250.73	

			Communications	27	27
			Data Communications	27 20	
			Data Communications Network Systems	27 29	
MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT		DEMOLITION
			UNIT COST		UNIT COST
27 29 00 00-0628		ARUBA S2500 Mobility Access Switch (27 29 00 00-0001)			
27 29 00 00-0629	EA	S2500-24T Mobility Access Switch with 24 10/100/1000BASE-T ports plus 4 GbE/10GbE SFP/SFP+ (optics ordered separately). Integrated AC power supply. Includes one 50cm direct-attach cable (DAC) for ArubaStack. (Aruba networks S2500-24T).....	6,512.33		
27 29 00 00-0630	EA	S2500-24P Mobility Access Switch with 24 10/100/1000BASE-T IEEE 802.3af PoE/802.3at PoE+ ports plus 4 GbE/10GbE SFP/SFP+ (optics ordered separately). Integrated AC power supply. Includes one 50cm direct-attach cable (DAC) for ArubaStack. RoW regulatory (NOT for deployments in USA or Israel). (Aruba networks S2500-24P).....	8,251.85		
27 29 00 00-0631	EA	S2500-24P Mobility Access Switch with 24 10/100/1000BASE-T IEEE 802.3af PoE/802.3at PoE+ ports plus 4 GbE/10GbE SFP/SFP+ (optics ordered separately). Integrated AC power supply. Includes one 50cm direct-attach cable (DAC) for ArubaStack. US regulatory (for deployments in USA only). (Aruba networks S2500-24P-US).....	8,251.85		
27 29 00 00-0632	EA	S2500-24P Mobility Access Switch with 24 10/100/1000BASE-T IEEE 802.3af PoE/802.3at PoE+ ports plus 4 GbE/10GbE SFP/SFP+ (optics ordered separately). Integrated AC power supply. Includes one 50cm direct-attach cable (DAC) for ArubaStack. IL regulatory (for deployments in Israel only). (Aruba networks S2500-24P-IL).....	8,251.85		
27 29 00 00-0633	EA	S2500-48T Mobility Access Switch with 48 10/100/1000BASE-T ports plus 4 GbE/10GbE SFP/SFP+ (optics ordered separately). Integrated AC power supply. Includes one 50cm direct-attach cable (DAC) for ArubaStack. (Aruba networks S2500-48T).....	11,296.01		
27 29 00 00-0634	EA	S2500-48P Mobility Access Switch with 48 10/100/1000BASE-T IEEE 802.3af PoE/802.3at PoE+ ports plus 4 GbE/10GbE SFP/SFP+ (optics ordered separately). Integrated AC power supply. Includes one 50cm direct-attach cable (DAC) for ArubaStack. RoW regulatory (NOT for deployments in USA or Israel). (Aruba networks S2500-48P).....	14,775.05		
27 29 00 00-0635	EA	S2500-48P Mobility Access Switch with 48 10/100/1000BASE-T IEEE 802.3af PoE/802.3at PoE+ ports plus 4 GbE/10GbE SFP/SFP+ (optics ordered separately). Integrated AC power supply. Includes one 50cm direct-attach cable (DAC) for ArubaStack. US regulatory (for deployments in USA only). (Aruba networks S2500-48P-US).....	14,775.05		
27 29 00 00-0636	EA	S2500-48P Mobility Access Switch with 48 10/100/1000BASE-T IEEE 802.3af PoE/802.3at PoE+ ports plus 4 GbE/10GbE SFP/SFP+ (optics ordered separately). Integrated AC power supply. Includes one 50cm direct-attach cable (DAC) for ArubaStack. IL regulatory (for deployments in Israel only). (Aruba networks S2500-48P-IL).....	14,775.05		
27 29 00 00-0637		ARUBA Mobility Access Switch Pluggable Transceivers (27 29 00 00-0001)			
27 29 00 00-0638	EA	10GBASE-LRM SFP+; 1310nm pluggable 10GbE optic; LC connector; up to 220 meters over multi-mode fiber (Type OM2) (Aruba networks SFP-10GE-LRM).....	2,924.57		
27 29 00 00-0639	EA	10GBASE-SR SFP+; 850nm pluggable 10GbE optic; LC connector; up to 300 meters over multi-mode fiber (Type OM3) (Aruba networks SFP-10GE-SR).....	2,707.13		
27 29 00 00-0640	EA	10GBASE-LR SFP+; 1310nm pluggable 10GbE optic; LC connector; up to 10,000 meters over single-mode fiber (Aruba networks SFP-10GE-LR).....	5,425.13		
27 29 00 00-0641	EA	50cm length, 10GbE SFP+ direct attach cable (DAC); copper Twinax connectors on both ends for ArubaStack or interconnect between servers and switch (Aruba networks DAC-SFP-10GE-50CM).....	315.29		
27 29 00 00-0642	EA	1m length, 10GbE SFP+ direct attach cable (DAC); copper Twinax connectors on both ends for ArubaStack or interconnect between servers and switch (Aruba networks DAC-SFP-10GE-1M).....	358.78		
27 29 00 00-0643	EA	3m length, 10GbE SFP+ direct attach cable (DAC); copper Twinax connectors on both ends for ArubaStack or interconnect between servers and switch (Aruba networks DAC-SFP-10GE-3M).....	424.01		
27 29 00 00-0644	EA	5m length, 10GbE SFP+ direct attach cable (DAC); copper Twinax connectors on both ends for ArubaStack or interconnect between servers and switch (Aruba networks DAC-SFP-10GE-5M).....	489.24		
27 29 00 00-0645	EA	7m length, 10GbE SFP+ direct attach cable (DAC); copper Twinax connectors on both ends for ArubaStack or interconnect between servers and switch (Aruba networks DAC-SFP-10GE-7M).....	532.73		
27 29 00 00-0646	EA	1000BASE-SX SFP; 850nm pluggable GbE optic; LC connector; up to 300 meters over multi-mode fiber (Type OM2) (Aruba networks SFP-SX).....	858.89		
27 29 00 00-0647		ARUBA Mobility Access Switch Accessories And Spares (27 29 00 00-0001)			
27 29 00 00-0648	EA	350W AC Power Supply. May be used as a redundant power supply or field-replaceable spare for 7200 Series, S3500-24T and S3500-48T. (Aruba networks PSU-350-AC).....	1,076.33		
27 29 00 00-0649	EA	600W AC Power Supply. May be used as a redundant power supply or field-replaceable spare for S3500-24P, -48P, -24T, -48T. (Aruba networks PSU-600-AC).....	2,163.53		
27 29 00 00-0650	EA	1050W AC Power Supply. May be used as a redundant power supply or field-replaceable spare for S3500-24P, -48P, -24T, -48T. (Aruba networks PSU-1050-AC).....	3,250.73		
27 29 00 00-0651	EA	7200 Series or S3500 Spare Two-Post Rack-Mount Kit. Used to front-mount or mid-mount the 7200 Series or S3500 to a 19" rack. May also be used to front-mount (only) the S2500 to 19" rack. (Aruba networks SPR-RK-MNT).....	163.08		
27 29 00 00-0652	EA	7200 Series or S3500 Four-Post 19" Rack-Mount Kit. Used for mounting the 7200 Series or S3500 in cabinets. (Aruba networks SPR-4RK-MNT).....	206.57		
27 29 00 00-0653	EA	7200 Series or S3500 Wall Mount Kit. Used for wall mounting of 7200 Series or S3500. (Aruba networks SPR-WL-MNT).....	206.57		
27 29 00 00-0654	EA	S2500 Wall Mount Kit. Used for wall mounting of S2500 or mid-mounting of S2500 to 19" rack. (Aruba networks SPR-WL2-MNT).....	206.57		
27 29 00 00-0655	EA	S3500 Spare Fan Tray. Field-replaceable for S3500-24P, -48P, -24T and -48T. (Aruba networks SPR-FAN-14).....	424.01		
27 29 00 00-0656	EA	7200 Series and S3500 Power Supply Blank Faceplate Spare. Cover for unused power supply bay. (Aruba networks PSU-PWBLNK).....	97.85		
27 29 00 00-0657	EA	S3500 Uplink Module Faceplate Spare. Cover for unused uplink module slot. (Aruba networks SPR-ULBLNK).....	97.85		
27 29 00 00-0658		Tripp Lite - Material Devices (27 29)			
27 29 00 00-0659	EA	Relocateable Power Taps, 5 outlets, 6' cord, Metal-Receptacle Series, no switch. Blue/Gray Color With Tabs (Tripp Lite 602).....	62.62		
27 29 00 00-0660	EA	Tripp Lite Minicom Category 5 SMART KVM Extender PS/2 2-Port KVM TAA GSA (Tripp Lite 0DT23001).....	900.59		
27 29 00 00-0661	EA	Tripp Lite Minicom Mini KVM Console Switch Extender PS/2 Kit TAA GSA (Tripp Lite 0DT23008).....	729.62		
27 29 00 00-0662	EA	Tripp Lite Minicom Mini KVM Console Switch Extender USB Kit TAA GSA (Tripp Lite 0DT23010).....	900.59		
27 29 00 00-0663	EA	Tripp Lite Minicom KVM Extender USB local port + 2-Port KVM TAA GSA (Tripp Lite 0DT60001).....	900.59		
27 29 00 00-0664	EA	Tripp Lite Minicom PS2 to USB Converter for KVM Switch And Extender TAA GSA (Tripp Lite 0DT60002).....	302.22		
27 29 00 00-0665	EA	Minicom Access IT 10 User Remote Access Management TAA GSA (Tripp Lite 0SU00018).....	24,353.28		
27 29 00 00-0666	EA	Minicom Access IT 20 User Remote Access Management TAA GSA (Tripp Lite 0SU00019).....	69,145.92		
27 29 00 00-0667	EA	Tripp Lite Minicom SMART 108 8-Port Category 5 KVM Switch PS/2 USB 1URM TAA GSA (Tripp Lite 0SU22081).....	1,205.88		

27 Communications
27 20 Data Communications
27 29 Data Communications Network Systems

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
27 29 00 00-0668	EA	Tripp Lite Minicom SMART 116 16-Port Category 5 KVM Switch PS/2 USB 1URM TAA GSA (Tripp Lite 0SU22082)	1,511.16		
27 29 00 00-0669	EA	Tripp Lite Minicom SMART 216 16-Port Category 5 KVM Switch PS/2 USB 1URM TAA GSA (Tripp Lite 0SU22090)	2,407.37		
27 29 00 00-0670	EA	Tripp Lite Minicom SMART 232 32-Port Category 5 KVM Switch PS/2 USB 1URM TAA GSA (Tripp Lite 0SU22091)	5,022.56		
27 29 00 00-0671	EA	Tripp Lite Minicom SMART 108 SPU 8-Port Category 5 KVM Switch PS/2 USB 1U TAA GSA (Tripp Lite 0SU22181)	1,358.52		
27 29 00 00-0672	EA	Tripp Lite Minicom SMART 116 SPU 16-Port Category 5 KVM Switch PS/2 1URM TAA GSA (Tripp Lite 0SU22182)	1,663.81		
27 29 00 00-0673	EA	Minicom USB Remote Unit for Phantom Specter KVM Switch TAA GSA (Tripp Lite 0SU51011)	689.31		
27 29 00 00-0674	EA	Minicom PS/2 Remote Unit for Phantom Specter KVM Switch TAA GSA (Tripp Lite 0SU51012)	446.84		
27 29 00 00-0675	EA	Minicom 8PK PS/2 Remote Unit Phantom Specter KVM Switch TAA GSA (Tripp Lite 0SU51060)	3,429.18		
27 29 00 00-0676	EA	Tripp Lite Minicom SMART IP Access 2-Port Remote KVM Over IP NIC TAA GSA (Tripp Lite 0SU51068)	2,261.38		
27 29 00 00-0677	EA	Tripp Lite Minicom ROC PS/2 Server Interface Unit for Smart KVM HD15 PS/2 (Tripp Lite 0SU51078)	180.11		
27 29 00 00-0678	EA	Tripp Lite Minicom ROC USB Server Interface Unit for Smart KVM HD15 USB (Tripp Lite 0SU51079)	241.16		
27 29 00 00-0679	EA	Tripp Lite Minicom 8PK ROC USB Server Interface Unit for Smart KVM HD15 USB (Tripp Lite 0SU51079/8)	1,801.21		
27 29 00 00-0680	EA	Minicom Phantom Specter 1 User Category 5 KVM Switch TAA GSA (Tripp Lite 0SU52015)	1,264.28		
27 29 00 00-0681	EA	Minicom Phantom MXII 2 User for Phantom Specter KVM TAA GSA (Tripp Lite 0SU52016)	2,060.98		
27 29 00 00-0682	EA	Tripp Lite Minicom SMARTTRACK 116 16-Port Category 5 KVM Rack Console LCD TAA GSA (Tripp Lite 0SU52091)	6,892.98		
27 29 00 00-0683	EA	Tripp Lite Minicom Power on Cable PX / IP Remote Access 90-160 Volt AC TAA GSA (Tripp Lite 0SU60020)	515.94		
27 29 00 00-0684	EA	Tripp Lite Minicom KVM IP Control Local and Remote Serial Access TAA GSA (Tripp Lite 0SU70017)	2,234.17		
27 29 00 00-0685	EA	Tripp Lite Minicom PX USB 1-Port Remote KVM Access Virtual Media TAA GSA (Tripp Lite 0SU70028)	1,887.79		
27 29 00 00-0686	EA	Tripp Lite Minicom SMART 116 IP 16-Port Category 5 KVM Switch 1URM TAA GSA (Tripp Lite 0SU70030)	3,037.59		
27 29 00 00-0687	EA	Tripp Lite Minicom SMART 108 IP 8-Port Category 5 KVM Switch 1URM TAA GSA (Tripp Lite 0SU70032)	2,557.09		
27 29 00 00-0688	EA	Tripp Lite Minicom PX SERIAL 1-Port Remote IP KVM Access TAA GSA (Tripp Lite 0SU70033)	1,021.84		
27 29 00 00-0689	EA	Tripp Lite Minicom SMART 216 IP 16-Port Category 5 KVM Switch 2+1 User 1U TAA GSA (Tripp Lite 0SU70036)	6,123.11		
27 29 00 00-0690	EA	Tripp Lite Minicom SMART 232 IP 32-Port Category 5 KVM Switch 2+1 User 1U TAA GSA (Tripp Lite 0SU70037)	7,949.48		
27 29 00 00-0691	EA	Minicom PX USB External Power Supply for 0SU70028 KVM IP (Tripp Lite 0SU70042)	57.99		
27 29 00 00-0692	EA	Tripp Lite Minicom SMARTTRACK 116 16-Port IP Category 5 KVM Rack Console LCD TAA (Tripp Lite 0SU70050)	8,139.98		
27 29 00 00-0693	EA	Tripp Lite Minicom PX USB Remote KVM Access w Power On Cable TAA GSA (Tripp Lite 0SU70068)	2,234.17		
27 29 00 00-0694	EA	Tower kit with 2 base stands. Converts 19" rack products to tower. Expandable from 2U to 9U. (Tripp Lite 2-9USTAND)	216.35		
27 29 00 00-0695	EA	2-Post RM Kit for 3U and Larger UPS, Transformer, Battery Pack (Tripp Lite 2POSTRMKITHD)	326.16		
27 29 00 00-0696	EA	Horizontal mounting rails for 2 post rackmount/wallmount installation. Easy installation. Fits all 2 post racks. For all current rackmount UPS or battery packs. (Tripp Lite 2POSTRMKITWM)	228.31		
27 29 00 00-0697	EA	Relocateable Power Taps, 3 outlets, 6' cord, Metal-Receptacle Series, master switch pilot light. Blue/Gray Color With Tabs (Tripp Lite 3SP)	54.79		
27 29 00 00-0698	EA	SmartRack Installation Kit For UPS Up To 250 Lbs (Tripp Lite 4POSTRAILKIT)	194.74		
27 29 00 00-0699	EA	Universal Adjustable Rack Enclosure Server Cabinet Shelf Kit 1U (Tripp Lite 4POSTRAILKIT1U)	155.60		
27 29 00 00-0700	EA	Relocateable Power Taps, 4 outlets, 6' cord, Metal-Duplex Series, master switch pilot light. Beige Color Without tabs (Tripp Lite 4SPDX)	58.71		
27 29 00 00-0701	EA	Minicom PX USB Power-on-Cable Kit for 0SU70028 KVM IP (Tripp Lite 5CB00615)	119.05		
27 29 00 00-0702	EA	Relocateable Power Taps, 5 outlets, 15' cord, Metal-Receptacle Series, no switch. Blue/Gray Color With Tabs (Tripp Lite 602-15)	82.19		
27 29 00 00-0703	EA	Relocateable Power Taps, 6 outlets, 6' cord, Metal-Duplex Series, master on/off switch. Beige Color Without Tabs (Tripp Lite 6NX-6)	50.88		
27 29 00 00-0704	EA	Relocateable Power Taps, 6 outlets, 6' cord, Metal-Receptacle Series, master switch pilot light. Blue/Gray Color With Tabs (Tripp Lite 6SP)	86.11		
27 29 00 00-0705	EA	Relocateable Power Taps, 6 outlets, 6' cord, Metal-Duplex Series, master switch pilot light. Beige Color Without tabs (Tripp Lite 6SPDX)	64.58		
27 29 00 00-0706	EA	Relocateable Power Taps, 6 outlets, 5' cord, Metal-Duplex Series, master switch pilot light. Beige Color Without tabs (Tripp Lite 6SPDX-15)	82.19		
27 29 00 00-0707	EA	12V 75 AH Sealed Maintenance-Free Battery for all APS Models (Tripp Lite 98-121)	939.34		
27 29 00 00-0708	EA	Composite Video Gold Cable (superior installation, silver-coated copper center cond.) RCA M/M - 6 ft. (Tripp Lite A004-006)	13.20		
27 29 00 00-0709	EA	Composite Video Gold Cable w Silver Plated Center Conductor, RCA M/M, 12' (Tripp Lite A004-012)	19.20		
27 29 00 00-0710	EA	Component Video Keystone Snap-In Module Kit Red, Green, Blue (Tripp Lite A008-000-KJ)	32.99		
27 29 00 00-0711	EA	Component Video Gold Cable (silver-coated copper center cond.) 3xRCA M/M - 6 ft. (Tripp Lite A008-006)	41.99		
27 29 00 00-0712	EA	Component Video Gold Cable w Silver Plated Center Conductor, 3xRCA M/M, 12' (Tripp Lite A008-012)	53.99		
27 29 00 00-0713	EA	S-Video Gold Cable - 6 ft. (Tripp Lite A012-006)	18.00		
27 29 00 00-0714	EA	S-Video Gold Cable, MD4M/M, 12' (Tripp Lite A012-012)	29.98		
27 29 00 00-0715	EA	Composite Video Keystone Snap-In Module Kit Red, White, Yellow (Tripp Lite A020-000-KJ)	32.99		
27 29 00 00-0716	EA	Audio Keystone Snap-In Module Kit RCA Couplers Red, White (Tripp Lite A050-000-KJ)	22.20		
27 29 00 00-0717	EA	High Resolution Gold Audio Cables (silver-coated copper center cond.) 2xRCA M/M - 6 ft. (Tripp Lite A050-006)	23.98		
27 29 00 00-0718	EA	RF Digital Coax Gold Audio Cable (silver-coated copper center cond.) RCA M/M - 6 ft. (Tripp Lite A060-006)	15.00		
27 29 00 00-0719	EA	RF Digital Coax Gold Audio Cable w Silver Plated Center Conductor, RCA M/M, 12' (Tripp Lite A060-012)	23.98		
27 29 00 00-0720	EA	Digital Optical Audio Cable, 2x Toslink, 1M (3') (Tripp Lite A102-01M)	23.98		
27 29 00 00-0721	EA	Digital Optical Audio Cable, 2xToslink - 2M (Tripp Lite A102-02M)	29.98		
27 29 00 00-0722	EA	Digital Optical Audio Cable, 2x Toslink, 3M (10') (Tripp Lite A102-03M)	35.99		
27 29 00 00-0723	EA	Digital Optical Audio Cable, 2x Toslink, 12' (Tripp Lite A102-04M)	41.99		
27 29 00 00-0724	EA	RG59 Coax Cable with F-Type Connectors - 6ft (Tripp Lite A200-006)	15.00		
27 29 00 00-0725	EA	RG59 Coax Cable with F-Type Connectors - 12ft (Tripp Lite A200-012)	22.79		
27 29 00 00-0726	EA	RG59 Coax Cable with F-Type Connectors - 25ft (Tripp Lite A200-025)	35.99		
27 29 00 00-0727	EA	2,000 Continuous Watt, 3,000 Overpower Watt, 4,000 Doubleboost Watt Hardwired 2,000 VA, 12 Volt DC, RJ45 Remote Port. 60/15 Amperes, (selectable) Regulated Charger. (Tripp Lite APS INT2012)	2,499.47		
27 29 00 00-0728	EA	2,400 Continuous Watt, 3,600 Overpower Watt, 4,800 Doubleboost Watt Hardwired 2,400 VA, 24 Volt DC, RJ45 Remote Port. 30/7.5 Amperes, (selectable) Regulated Charger. (Tripp Lite APS INT2424)	2,809.32		
27 29 00 00-0729	EA	1000W 12V Inverter / Charger Pure Sine Wave 120V 4A/40A Hardwire (Tripp Lite APS1012SW)	2,524.48		
27 29 00 00-0730	EA	12 Volt DC to AC Inverter with Automatic Line-to-Battery, 30 Amperes Charger, 1,250 continuous wattage, 1,875 overpower wattage, 2,500 doubleboost wattage, 2 AC outlets (Tripp Lite APS1250)	1,612.54		
27 29 00 00-0731	EA	12 Volt DC to AC Inverter with Automatic Line-to-Battery, 100/25 Amperes Charger, 2,000 continuous wattage, 3,000 overpower wattage, 4,000 doubleboost wattage, Hardwired (Tripp Lite APS2012)	2,367.92		
27 29 00 00-0732	EA	2000W 12V Inverter / Charger Pure Sine Wave 120V 8A/80A Hardwire (Tripp Lite APS2012SW)	3,287.69		
27 29 00 00-0733	EA	24 Volt DC to AC Inverter with Automatic Line-to-Battery, 55/14 Amperes Charger, 2,400 continuous wattage, 3,600 overpower wattage, 4,800 doubleboost wattage, Hardwired (Tripp Lite APS2424)	2,661.47		

			Communications	27
			Data Communications	27 20
			Data Communications Network Systems	27 29
MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

27 29 00 00-0734	EA	48V DC to AC Inverter with Automatic Line-to-Battery 15amp Charger 2400 continuous wattage 3600 overpower wattage 4800 doubleboost wattage Hardwired (Tripp Lite APS2448UL).....	2,743.66	
27 29 00 00-0735	EA	36 Volt DC to AC Inverter with Automatic Line-to-Battery 30 Amperes Charger 3,600 continuous wattage, 5,400 overpower wattage, 7,200 doubleboost wattage, Hardwired (Tripp Lite APS3636VR).....	3,330.75	
27 29 00 00-0736	EA	12 Volt DC to AC Compact Inverter with Automatic Line-to-Battery, 20 Amperes Charger, 700 continuous wattage, 1,050 overpower wattage, 1,400 doubleboost wattage, 1 AC outlets (Tripp Lite APS700HF).....	919.77	
27 29 00 00-0737	EA	12 Volt DC to AC Inverter with Automatic Line-to-Battery, 20 Amperes Charger, 750 continuous wattage, 1,125 overpower wattage, 1,500 doubleboost wattage, 2 AC outlets (Tripp Lite APS750).....	1,170.26	
27 29 00 00-0738	EA	3,600 Continuous Watt, 5,400 Overpower Watt, 7,200 Doubleboost Watt Hardwired 3600VA, 36 Volt DC, RJ45 Remote Port. 30 Amperes (selectable) Regulated Charger. Voltage Regulated. (Tripp Lite APSINT3636VR).....	3,515.79	
27 29 00 00-0739	EA	Remote Control Module for APS/PV Models with RJ45 Ports includes Mounting Plate And Cords (Tripp Lite APSRM4).....	387.04	
27 29 00 00-0740	EA	Remote Control for Sine Wave Inverter / Chargers (Tripp Lite APSRMSW).....	387.04	
27 29 00 00-0741	EA	1000W 12V International Inverter / Charger Pure Sine Wave 230V 4A/40A Hardwire (Tripp Lite APSX1012SW).....	3,090.26	
27 29 00 00-0742	EA	1,250 Continuous Watt, 1,875 Overpower Watt, 2,500 Doubleboost Watt, 2 AC Outlets 1250 VA, 12 Volt DC, RJ45 Remote Port. 30/7.5 Amperes (selectable) Regulated Charger. (Tripp Lite APSX1250).....	1,702.12	
27 29 00 00-0743	EA	2000W 12V International Inverter / Charger Pure Sine Wave 230V 8A/80A Hardwire (Tripp Lite APSX2012SW).....	3,470.34	
27 29 00 00-0744	EA	750 Continuous Watt, 1,125 Overpower Watt, 1,500 Doubleboost Watt, 2 AC Outlets 750VA, 12 Volt DC, RJ45 Remote Port, 20 Amperes Regulated (Tripp Lite APSX750).....	1,148.52	
27 29 00 00-0745	EA	Eco Green A/V Surge Protector RJ11 RJ45 Coax 10 Outlet 8ft Cord (Tripp Lite AV10IRG).....	339.21	
27 29 00 00-0746	EA	Eco Green A/V Surge Protector RJ11 RJ45 Coax 12 Outlet 10ft Cord (Tripp Lite AV1210SATG).....	236.57	
27 29 00 00-0747	EA	Eco Green A/V Surge Protector 8 Outlet 6ft Cord 1080 Joule (Tripp Lite AV86G).....	113.07	
27 29 00 00-0748	EA	Eco Green A/V Surge Protector RJ11 RJ45 Coax 8 Outlet 8ft Cord (Tripp Lite AV88SATG).....	165.25	
27 29 00 00-0749	EA	550VA UPS System Low Profile Line-Interactive 120V 8 Outlet - 550 VA, 1 USB, Modem/Fax Protection (Tripp Lite AVR550U).....	246.58	
27 29 00 00-0750	EA	700VA UPS Line Interactive 8 Outlet 6ft Cord 120V (Tripp Lite AVR700U).....	279.85	
27 29 00 00-0751	EA	750VA UPS System Low Profile Line-Interactive 120V 12 Outlet - 750 VA, 1 USB, Modem/Fax Protection (Tripp Lite AVR750U).....	334.64	
27 29 00 00-0752	EA	900VA UPS System Low Profile Line-Interactive 120V 12 Outlet - 900 VA, 1 USB, Modem/Fax Protection (Tripp Lite AVR900U).....	387.48	
27 29 00 00-0753	EA	TAA Compliant 900VA UPS Ultra Compact 12 outlets (Tripp Lite AVR900UTAA).....	438.36	
27 29 00 00-0754	EA	550VA International UPS System Low Profile Line-Interactive AVR 230V 6 Outlet - 550 VA, 1 USB (Tripp Lite AVRX550U).....	342.90	
27 29 00 00-0755	EA	TAA Compliant 550VA Intl UPS Ultra Compact 6 outlets 230V (Tripp Lite AVRX550UTAA).....	388.35	
27 29 00 00-0756	EA	750VA International UPS System Low Profile Line-Interactive AVR 230V 6 Outlet - 750 VA 1 USB, Modem/Fax Protection (Tripp Lite AVRX750U).....	520.55	
27 29 00 00-0757	EA	TAA Compliant 750VA Intl UPS Ultra Compact 6 outlets 230V (Tripp Lite AVRX750UTAA).....	590.78	
27 29 00 00-0758	EA	2-Port Secure KVM Switch DVI / USB Audio NIAP EAL2 TAA GSA (Tripp Lite B002-DUA2).....	1,826.50	
27 29 00 00-0759	EA	4-Port Secure KVM Switch DVI / USB Audio NIAP EAL2 TAA GSA (Tripp Lite B002-DUA4).....	2,000.45	
27 29 00 00-0760	EA	8 Port KVM Switch, (With On-Screen Display, PS/2, Non-Expandable) 1U Rackmount (Tripp Lite B004-008).....	427.92	
27 29 00 00-0761	EA	2 Port KVM Switch (DVI/USB), Desktop with Audio And Cables (Tripp Lite B004-DUA2-K-R).....	487.07	
27 29 00 00-0762	EA	4-Port Compact KVM Switch DVI / USB With Audio And Cables (Tripp Lite B004-DUA4-K-R).....	747.99	
27 29 00 00-0763	EA	2 Port KVM Switch (PS/2), Desktop with Audio And Cables (Tripp Lite B004-VPA2-K-R).....	111.33	
27 29 00 00-0764	EA	2 Port KVM Switch (USB), Desktop with Audio And Cables (Tripp Lite B004-VUA2-K-R).....	132.20	
27 29 00 00-0765	EA	KVM Switch 4-Port Desktop KVM Switch (USB) TAA / GSA (Tripp Lite B006-VU4-R).....	347.90	
27 29 00 00-0766	EA	4-Port KVM Switch w Audio, 2-Port USB2.0 Hub, Included Cables (Tripp Lite B006-VUA4-K-R).....	695.81	
27 29 00 00-0767	EA	8 Port KVM Switch, (With On-Screen Display, PS/2) 1U Rackmount (Tripp Lite B007-008).....	939.34	
27 29 00 00-0768	EA	Category 5 Console (PS/2 or USB) Extender - 330ft Range (Tripp Lite B013-330).....	626.23	
27 29 00 00-0769	EA	USB to PS/2 Adapter (Tripp Lite B015-000).....	33.05	
27 29 00 00-0770	EA	Two-Post Rackmount Bracket for B021 and B020 Series KVM Switch Consoles (Tripp Lite B019-000).....	222.66	
27 29 00 00-0771	EA	8 Port KVM Switch, 17 Inch Console (with built-in slide out keyboard and tilt-up console) 1U Rackmount (Tripp Lite B020-008-17).....	4,567.98	
27 29 00 00-0772	EA	16 Port KVM Switch, 17 Inch Console (with built-in slide out keyboard and tilt-up console) 1U Rackmount (Tripp Lite B020-016-17).....	5,479.49	
27 29 00 00-0773	EA	NetDirector 17" Console KVM Switch With IP - 16 Port (Tripp Lite B020-016-17-IP).....	11,045.95	
27 29 00 00-0774	EA	NetDirector 19" Console KVM With Built-In IP Access - 8 Port (Tripp Lite B020-U08-19-IP).....	8,697.60	
27 29 00 00-0775	EA	NetDirector 19in Console KVM with 8 USB/PS2 Combo Cable Kits - 8Port (Tripp Lite B020-U08-19-K).....	4,870.66	
27 29 00 00-0776	EA	8-Port Rack Console KVM Switch 19" LCD PS2/USB Cable 1U TAA/GSA (Tripp Lite B020-U08-19KTAA).....	4,870.66	
27 29 00 00-0777	EA	NetDirector 19in Console KVM with 8 USB/PS2 Combo Cable Kits - 16Port (Tripp Lite B020-U16-19-K).....	5,914.37	
27 29 00 00-0778	EA	1U Rackmount Console (with built-in slide-out keyboard/touch pad and tilt-up 17-inch LCD monitor.) (Tripp Lite B021-000-17).....	2,609.28	
27 29 00 00-0779	EA	TAA Compliant KVM Console 17" Monitor 1U Rackmount (Tripp Lite B021-000-17TAA).....	3,026.76	
27 29 00 00-0780	EA	Rackmount Console with 19" LCD (Tripp Lite B021-000-19).....	3,809.55	
27 29 00 00-0781	EA	Short-Body Rackmount Console (1U) w 19" LCD (Tripp Lite B021-000-19-SH).....	4,348.80	
27 29 00 00-0782	EA	KVM Rack Console 1U Dual Rail Rackmount 17" LCD (Tripp Lite B021-02R-17).....	4,000.90	
27 29 00 00-0783	EA	2 Port KVM Switch, Desktop with two cables - PS/2 (Tripp Lite B022-002-KT-R).....	147.86	
27 29 00 00-0784	EA	4 Port KVM Switch - PS/2 (Tripp Lite B022-004-R).....	165.25	
27 29 00 00-0785	EA	NetDirector USB/PS2 KVM Switch - 16 Port (Tripp Lite B022-U16).....	2,000.45	
27 29 00 00-0786	EA	NetController Console KVM with 19" LCD Console - 8 port (Tripp Lite B040-008-19).....	4,261.82	
27 29 00 00-0787	EA	NetController Console KVM with 19" LCD Console - 16 port (Tripp Lite B040-016-19).....	5,618.65	
27 29 00 00-0788	EA	NetController KVM Switch - 4 Port (Tripp Lite B042-004).....	869.76	
27 29 00 00-0789	EA	NetController KVM Switch - 8 Port (Tripp Lite B042-008).....	1,043.71	
27 29 00 00-0790	EA	NetController KVM Switch - 16 Port (Tripp Lite B042-016).....	1,739.52	
27 29 00 00-0791	EA	IP Remote Access Unit (KVM over IP) (Tripp Lite B051-000).....	2,017.84	
27 29 00 00-0792	EA	IP Remote Access Unit KVM over IP Power / Serial Control TAA GSA (Tripp Lite B051-000-AC).....	2,435.33	
27 29 00 00-0793	EA	PS/2 Server Interface for B060-032 KVM Switch (Tripp Lite B054-001-PS2).....	487.07	
27 29 00 00-0794	EA	SUN Server Interface for B060-032 KVM Switch (Tripp Lite B054-001-SUN).....	521.86	
27 29 00 00-0795	EA	USB Server Interface for B060-032 KVM Switch (Tripp Lite B054-001-USB).....	487.07	
27 29 00 00-0796	EA	PS/2 Server Interface Module for B064- Series KVM Switches (Add 1 per Server: Use With Category 5/5E/6) (Tripp Lite B055-001-PS2).....	344.42	
27 29 00 00-0797	EA	Serial Server Interface Module for B064- Series KVM Switches (Add 1 per Server: Use With Category 5/5E/6) (Tripp Lite B055-001-SER).....	344.42	
27 29 00 00-0798	EA	USB Server Interface Module for B064- Series KVM Switches (Add 1 per Server: Use With Category 5/5E/6) (Tripp Lite B055-001-USB).....	344.42	
27 29 00 00-0799	EA	USB With Virtual Media Server Interface Module for B064- Series KVM Switches (Add 1 per Server: Use With Category 5/5E/6) (Tripp Lite B055-001-USB-V2).....	434.88	
27 29 00 00-0800	EA	USB Server Interface Unit Virtual Media And CAC B064 Category 5 KVM TAA (Tripp Lite B055-001-UV2CAC).....	452.28	

27 Communications
27 20 Data Communications
27 29 Data Communications Network Systems

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
27 29 00 00-0801	EA	16-Port Matrix (2-User) 1U Rackmount KVM Switch (Tripp Lite B060-016-2)	5,566.46		
27 29 00 00-0802	EA	PS/2 Console Interface Module (Tripp Lite B062-002-PS2).....	1,739.52		
27 29 00 00-0803	EA	Console Interface Module for B060-Series KVMs - USB (Tripp Lite B062-002-USB).....	1,739.52		
27 29 00 00-0804	EA	16-Port Category 5 KVM Switch 1U RM TAA / GSA (Tripp Lite B064-016)	1,948.26		
27 29 00 00-0805	EA	NetDirector Category 5 IP KVM Switch - 16 Port, 2-User (Virtual Media, Dual Power Supply) (Tripp Lite B064-016-02-IPG).....	11,132.93		
27 29 00 00-0806	EA	NetDirector Category 5 IP KVM Switch - 16 Port, 4-User (Virtual Media, Dual Power Supply) (Tripp Lite B064-016-04-IPG).....	18,091.01		
27 29 00 00-0807	EA	NetDirector Category 5 IP KVM Switch - 32 Port, 2-User (Virtual Media, Dual Power Supply) (Tripp Lite B064-032-02-IPG).....	14,785.92		
27 29 00 00-0808	EA	NetDirector Category 5 IP KVM Switch - 32 Port, 4-User (Virtual Media, Dual Power Supply) (Tripp Lite B064-032-04-IPG).....	21,570.05		
27 29 00 00-0809	EA	8-Port Rack VGA Console Category 5 KVM Switch 1U RM 19" Mon/Kybd/Tchpd (Tripp Lite B070-008-19)	3,826.94		
27 29 00 00-0810	EA	NetCommander Category 5 Console KVM - 16 Port (Tripp Lite B070-016-19).....	4,696.70		
27 29 00 00-0811	EA	NetCommander Category 5 Console KVM With IP - 16 Port (Tripp Lite B070-016-19-IP).....	8,349.70		
27 29 00 00-0812	EA	16-Port Rack Console KVM Switch VGA Category 5 1U RM 19" LCD TAA / GSA (Tripp Lite B070-016-19TAA).....	4,870.66		
27 29 00 00-0813	EA	NetCommander Category 5 KVM - 8 Port (Tripp Lite B072-008-1).....	1,252.45		
27 29 00 00-0814	EA	NetCommander Category 5 KVM - 16 Port (Tripp Lite B072-016-1).....	1,739.52		
27 29 00 00-0815	EA	16-Port NetCommander Category 5 KVM Switch with IP Remote Access (Tripp Lite B072-016-1-IP).....	4,174.85		
27 29 00 00-0816	EA	NetCommander Server Interface Unit for B070/72 KVM - PS/2 - 100ft (Tripp Lite B078-101-PS2).....	219.18		
27 29 00 00-0817	EA	NetCommander Server Interface Unit for B070/72 KVM - USB - 100ft (Tripp Lite B078-101-USB).....	236.57		
27 29 00 00-0818	EA	Console Server Adapter - Cisco RJ45 F to DB9 F - Straight (Tripp Lite B090-A9F).....	20.87		
27 29 00 00-0819	EA	Console Server Adapter - Cisco RJ45 F to DB9 F - Crossover (Tripp Lite B090-A9F-X).....	20.87		
27 29 00 00-0820	EA	Console Server Adapter - Cisco RJ45 F to DB9 M - Straight (Tripp Lite B090-A9M).....	20.87		
27 29 00 00-0821	EA	16-Port Serial Console Server Management Switch With Power Alert (Tripp Lite B092-016).....	6,262.27		
27 29 00 00-0822	EA	8-Port Serial Console / Terminal Server Mgmt Switch TAA GSA (Tripp Lite B094-008-2E-M-F).....	2,870.21		
27 29 00 00-0823	EA	Console Server with 1 NIC and Built-In Modem - 3 Port (Tripp Lite B095-003-1E-M)	1,983.05		
27 29 00 00-0824	EA	Console Server with 1 NIC - 4 Port (Tripp Lite B095-004-1E).....	1,443.80		
27 29 00 00-0825	EA	16-Port Serial Console Server Management Switch (Tripp Lite B096-016)	6,262.27		
27 29 00 00-0826	EA	48-Port Serial Console Server Management Switch (Tripp Lite B096-048).....	10,437.12		
27 29 00 00-0827	EA	Manual VGA/SVGA 2 Position Switch - 3xHD15F (Tripp Lite B112-002-R).....	40.01		
27 29 00 00-0828	EA	VGA/SVGA 350MHz Video Splitter - 2 Port - HD15 (M)/x2 (F) (Tripp Lite B114-002-R).....	109.59		
27 29 00 00-0829	EA	VGA/SVGA Video Splitter - 4 Port - HD15 (M)/x4 (F) (Tripp Lite B114-004-R).....	139.16		
27 29 00 00-0830	EA	DVI Single Link with Audio Splitter - 2 Port (Tripp Lite B116-002A).....	278.32		
27 29 00 00-0831	EA	4-Port DVI Single Link Video / Audio Splitter / Booster (Tripp Lite B116-004A).....	521.86		
27 29 00 00-0832	EA	HDMI v1.3 Splitter - 2Port (Tripp Lite B118-302-R).....	208.74		
27 29 00 00-0833	EA	HDMI v1.3 Splitter - 4Port (Tripp Lite B118-304-R).....	434.88		
27 29 00 00-0834	EA	HDMI v1.3 Video Switch With Remote - 2 Port (Tripp Lite B119-302-R)	125.25		
27 29 00 00-0835	EA	3Port HDMI Switch w Remote, v1.3 (Tripp Lite B119-303-R)	208.74		
27 29 00 00-0836	EA	DVI Dual Link Extender, DVI F/F (Tripp Lite B120-000).....	184.39		
27 29 00 00-0837	EA	DVI Single Link Signal Extender DVI F/F TAA / GSA (Tripp Lite B120-000-SL).....	160.04		
27 29 00 00-0838	EA	Displayport Active Extender Signal Booster Displayport F/F TAA (Tripp Lite B121-000).....	417.48		
27 29 00 00-0839	EA	HDMI Extender, HDMI F/F (Tripp Lite B122-000).....	139.16		
27 29 00 00-0840	EA	HDMI Signal Booster Extender 1080p at 60 Hertz HDMI F/F TAA / GSA (Tripp Lite B122-000-60).....	347.90		
27 29 00 00-0841	EA	HDMI v1.3 Active Extender Cable (Tripp Lite B123-001).....	173.95		
27 29 00 00-0842	EA	1ft HDMI Active Signal Extender Cable HDMI M/F 1' TAA GSA (Tripp Lite B123-001-60).....	260.93		
27 29 00 00-0843	EA	HDMI over Category 5 Dual Category 6 60 Hertz Extender Kit TAA GSA (Tripp Lite B125-101-60)	434.88		
27 29 00 00-0844	EA	HDMI over Dual Category 6 60 Hertz Wallplate Extender Kit TAA GSA (Tripp Lite B125-101-60-WP)	434.88		
27 29 00 00-0845	EA	HDMI over Category 5 Extender, (2) RJ45 F, (2) HDMI F (Tripp Lite B125-150).....	347.90		
27 29 00 00-0846	EA	2-Port HDMI Over Category 5 Extender / Splitter TAA / GSA (Tripp Lite B126-002).....	452.28		
27 29 00 00-0847	EA	4-Port HDMI Over Category 5 Extender / Splitter TAA / GSA (Tripp Lite B126-004).....	730.60		
27 29 00 00-0848	EA	HDMI over Category 5 Active Extender / Remote Repeater TAA GSA (Tripp Lite B126-110).....	591.44		
27 29 00 00-0849	EA	HDMI Over Category 5 Active Extender Remote Unit TAA / GSA (Tripp Lite B126-1A0).....	452.28		
27 29 00 00-0850	EA	HDMI Over Single Category 5 RJ45 Active Ext Remote Wallplate TAA GSA (Tripp Lite B126-1A0-WP-1)	452.28		
27 29 00 00-0851	EA	HDMI Over Category 5 Active Extender Kit TAA / GSA (Tripp Lite B126-1A1).....	591.44		
27 29 00 00-0852	EA	HDMI + IR + Serial RS232 over Category 5 / 6 Active Extender Kit TAA GSA (Tripp Lite B126-1A1SR).....	1,391.62		
27 29 00 00-0853	EA	Tripp Lite HDMI Over Category 5 / 6 Active Wallplate Extender Kit TAA GSA (Tripp Lite B126-1A1-WP).....	591.44		
27 29 00 00-0854	EA	HDMI Over Category 5 Passive Extender Remote Unit TAA / GSA (Tripp Lite B126-1P0).....	104.37		
27 29 00 00-0855	EA	HDMI Over Category 5 Passive Extender Remote Wallplate TAA / GSA (Tripp Lite B126-1P0-WP).....	104.37		
27 29 00 00-0856	EA	VGA over Category 5 Extender, 1 Local Port, 1 Remote Port (Tripp Lite B130-101).....	400.09		
27 29 00 00-0857	EA	VGA over Category 5 Extender with Audio, 1 Local Port, 1 Remote Port (Tripp Lite B130-101A).....	452.28		
27 29 00 00-0858	EA	VGA + Audio over Category 5 (RJ45) Ext Wallplate Kit TAA / GSA (Tripp Lite B130-101A-WP-1).....	434.88		
27 29 00 00-0859	EA	VGA with RS-232 Serial over Category 5 Extender Kit (Tripp Lite B130-101S).....	469.67		
27 29 00 00-0860	EA	VGA with RS-232 Serial over Category 5 (110 type) Extender Wallplate Kit (Tripp Lite B130-101S-WP).....	434.88		
27 29 00 00-0861	EA	VGA over Category 5 Extender Kit USB Powered up to 500ft TAA/GSA (Tripp Lite B130-101-U).....	382.69		
27 29 00 00-0862	EA	VGA over Category 5 (RJ45) Extender Wallplate Kit TAA/GSA (Tripp Lite B130-101-WP-1).....	382.69		
27 29 00 00-0863	EA	VGA over Category 5 Extender / Repeater Kit TAA / GSA (Tripp Lite B130-111)	591.44		
27 29 00 00-0864	EA	VGA + Audio over Category 5 Extender / Repeater Kit TAA / GSA (Tripp Lite B130-111A).....	661.02		
27 29 00 00-0865	EA	VGA over Category 5 Extender 2-Port Transmitter TAA / GSA (Tripp Lite B132-002-1)	278.32		
27 29 00 00-0866	EA	2-Port VGA And Audio over Category 5 Extender / Splitter (Tripp Lite B132-002A).....	295.72		
27 29 00 00-0867	EA	VGA over Category 5 Extender 4-Port Transmitter TAA / GSA (Tripp Lite B132-004-1)	417.48		
27 29 00 00-0868	EA	VGA with Audio over Category 5 Extender/Splitter Local Unit - 4 Remote Ports (Tripp Lite B132-004A).....	452.28		
27 29 00 00-0869	EA	VGA over Category 5 Extender/Splitter Rackmount Bracket (Tripp Lite B132-004-RB)	142.64		
27 29 00 00-0870	EA	VGA over Category 5 Receiver TAA / GSA (Tripp Lite B132-100-1).....	226.14		
27 29 00 00-0871	EA	VGA with Audio over Category 5 Extender Remote Unit (Tripp Lite B132-100A)	260.93		
27 29 00 00-0872	EA	VGA + Audio over Category 5 Receiver RJ45 type Wallplate TAA / GSA (Tripp Lite B132-100A-WP-1).....	260.93		
27 29 00 00-0873	EA	VGA over Category 5 Receiver RJ45 type Wallplate TAA / GSA (Tripp Lite B132-100-WP-1).....	226.14		
27 29 00 00-0874	EA	VGA over Category 5 Extender Remote / Repeater Unit TAA / GSA (Tripp Lite B132-110).....	313.11		
27 29 00 00-0875	EA	VGA + Audio over Category 5 Extender Remote / Repeater Unit TAA / GSA (Tripp Lite B132-110A)	333.99		
27 29 00 00-0876	EA	Component Video (RGB) with Stereo Audio Over Category 5 Extender/Splitter - 4 Port (Tripp Lite B136-004).....	400.09		
27 29 00 00-0877	EA	Component Video (RGB) with Stereo Audio Over Category 5 Extender Remote Unit (Tripp Lite B136-100).....	121.77		
27 29 00 00-0878	EA	Component Video (RGB) with Stereo Audio Over Category 5 (110 Type) Extender Remote Wallplate (Tripp Lite B136-100-WP).....	121.77		
27 29 00 00-0879	EA	Component Video (RGB) with Stereo Audio Over Category 5 Extender Kit (Tripp Lite B136-101).....	226.14		
27 29 00 00-0880	EA	Category 5 Extender Wallplate Kit Component Video Stereo Audio TAA GSA (Tripp Lite B136-101-WP-1)	226.14		
27 29 00 00-0881	EA	S-Video with Stereo Audio Over Category 5 Extender Kit (Tripp Lite B137-101).....	226.14		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-0882	EA	DVI over Category 5 Extender /Splitter 2-Port TAA / GSA (Tripp Lite B140-002).....	347.90	
27 29 00 00-0883	EA	DVI over Category 5 Extender /Splitter 4-Port TAA / GSA (Tripp Lite B140-004).....	626.23	
27 29 00 00-0884	EA	DVI Over Category 5 Extender Kit (Tripp Lite B140-101).....	191.35	
27 29 00 00-0885	EA	DVI Over Category 5 (110 Type) Extender Wallplate Kit (Tripp Lite B140-101-WP).....	191.35	
27 29 00 00-0886	EA	DVI Over Category 5 Active Extender Kit (Tripp Lite B140-101X).....	661.02	
27 29 00 00-0887	EA	DVI over Category 5 Remote Extender / Repeater Unit TAA GSA (Tripp Lite B140-110).....	730.60	
27 29 00 00-0888	EA	DVI Over Category 5 Active Extender Remote Unit TAA / GSA (Tripp Lite B140-1A0).....	382.69	
27 29 00 00-0889	EA	DVI Over Category 5 Active Extender Remote Wallplate TAA / GSA (Tripp Lite B140-1A0-WP).....	382.69	
27 29 00 00-0890	EA	DVI over Category 5 Active Extender Wallplate Kit TAA GSA (Tripp Lite B140-1A1-WP).....	521.86	
27 29 00 00-0891	EA	DVI Over Category 5 Passive Extender Remote Unit TAA / GSA (Tripp Lite B140-1P0).....	69.58	
27 29 00 00-0892	EA	DVI Over Category 5 Passive Extender Remote Wallplate TAA / GSA (Tripp Lite B140-1P0-WP).....	86.98	
27 29 00 00-0893	EA	RS-232 / Serial over Category 5 Extender Kit (Tripp Lite B165-101).....	226.14	
27 29 00 00-0894	EA	IEEE Reversible 2 Position Gold Autoswitch - 3xDB25F (Tripp Lite B170-002-R).....	86.98	
27 29 00 00-0895	EA	USB over Category 5 Extender Kit (Tripp Lite B202-150).....	90.46	
27 29 00 00-0896	EA	USB Hi-Speed 2.0 over Category 5 Extender Kit 480Mbps 330ft TAA/GSA (Tripp Lite B203-101).....	452.28	
27 29 00 00-0897	EA	4-Port High Speed USB 2.0 Over Category 5 Extender Hub TAA GSA (Tripp Lite B203-104).....	591.44	
27 29 00 00-0898	EA	300VA UPS System Standby Tower Small Footprint 120V 3 Outlet - 300 VA (Tripp Lite BC PERS300).....	287.67	
27 29 00 00-0899	EA	450VA UPS System Standby Tower Small Footprint 120V 3 Outlet - 450 VA (Tripp Lite BC PERS450).....	324.86	
27 29 00 00-0900	EA	1050VA UPS System Standby Tower Small Footprint 120V 6 Outlet - 1050 VA 1 USB, Replace Battery LED, Overload LED, Self Test, Alarm (Tripp Lite BC PRO1050).....	982.39	
27 29 00 00-0901	EA	1400VA UPS System Standby Tower Small Footprint 120V 6 Outlet - 1400 VA 1 USB, Replace Battery LED, Overload LED, Self Test, Alarm (Tripp Lite BC PRO1400).....	1,416.84	
27 29 00 00-0902	EA	600VA UPS System Standby Tower Small Footprint 120V 6 Outlet - 600 VA, 1 USB, Modem/Fax Protection (Tripp Lite BC PRO600).....	422.70	
27 29 00 00-0903	EA	350VA UPS System Compact Low Profile Standby 120V 6 Outlet - 350 VA (Tripp Lite BC350).....	158.51	
27 29 00 00-0904	EA	600VA Pure Sine Wave PFC UPS Tower 120V USB Sinewave (Tripp Lite BC600SINE).....	469.67	
27 29 00 00-0905	EA	192V external battery pack (expandable) Smart Online UPS 192V RM 3U External Battery Pack (Tripp Lite BP192V12-3U).....	3,600.81	
27 29 00 00-0906	EA	192V external battery pack (expandable) Smart Online UPS 192V RM 4U External Battery Pack (Tripp Lite BP192V18-4U).....	6,958.95	
27 29 00 00-0907	EA	240V external battery pack (expandable) Smart Online UPS 240V Tower/RM 3U External Battery Pack (Tripp Lite BP240V10RT3U).....	3,459.91	
27 29 00 00-0908	EA	External 24 Volt DC RM/Twr Battery Pack For All Compatible UPS (Tripp Lite BP24V15RT2U).....	649.71	
27 29 00 00-0909	EA	24 Volt external battery pack — Smart Online UPS 24V RM 2U External Battery Pack (Tripp Lite BP24V28-2U).....	1,401.18	
27 29 00 00-0910	EA	24 Volt external battery pack (expandable) Smart Online UPS 24V RM 3U External Battery Pack (Tripp Lite BP24V70-3U).....	3,225.07	
27 29 00 00-0911	EA	Battery Case with Cables. Holds two 98-121 Batteries (Tripp Lite BP-260).....	716.25	
27 29 00 00-0912	EA	36 Volt External Battery Pack — Smart UPS 36V RM 2U External Battery Pack (Tripp Lite BP36V15-2U).....	1,260.28	
27 29 00 00-0913	EA	36 Volt External Battery pack (expandable) Smart UPS 36 Volt RM 3U External Battery Pack (Tripp Lite BP36V42-3U).....	3,334.66	
27 29 00 00-0914	EA	480 Volt external battery pack With internal disconnect for all domestic and International 3-Phase Modular Smart Online UPS (Tripp Lite BP480V26B).....	28,536.39	
27 29 00 00-0915	EA	480 Volt external battery pack With internal disconnect for all domestic and International 3-Phase Modular Smart Online UPS (Tripp Lite BP480V40C).....	35,327.04	
27 29 00 00-0916	EA	48 Volt External Battery Pack — Smart UPS 48 Volt RM 2U External Battery Pack (Tripp Lite BP48V24-2U).....	1,475.55	
27 29 00 00-0917	EA	TAA Compliant External Battery Pack for UPS 2U Rackmount 48 Volt (Tripp Lite BP48V242UTAA).....	1,585.14	
27 29 00 00-0918	EA	48 Volt Shallow Depth External UPS Battery Pack 4U RM (Tripp Lite BP48V48RT4U).....	3,381.63	
27 29 00 00-0919	EA	Smart UPS 48 Volt Tower RM NAFTA External Battery Pack (Tripp Lite BP48V60-3UNAF TA).....	3,248.55	
27 29 00 00-0920	EA	48 Volt External Battery Pack (Expandable) Smart UPS 48 Volt Tower/RM 3U External Battery Pack (Tripp Lite BP48V60RT-3U).....	3,225.07	
27 29 00 00-0921	EA	TAA Compliant External Battery Pack for UPS Rack/Tower 48 Volt (Tripp Lite BP48V60RT3UTAA).....	3,761.28	
27 29 00 00-0922	EA	72V external battery pack — Smart Online UPS 72V RM 2U External Battery Pack (Tripp Lite BP72V15-2U).....	2,003.93	
27 29 00 00-0923	EA	72V external battery pack (expandable) Smart Online UPS 72V Tower/RM3U External Battery Pack (Tripp Lite BP72V28RT3U).....	3,287.69	
27 29 00 00-0924	EA	Connector for multiple battery pack applications. (Tripp Lite BPMULTI).....	300.07	
27 29 00 00-0925	EA	Serial or parallel DB25 RS-232 protector (All pins) for any male or female 25 pin port. (Tripp Lite DB25-ALL).....	61.01	
27 29 00 00-0926	EA	Serial DB9 RS-232 protector (Pins 1-9) for any male or female 9 pin port. (Tripp Lite DB9).....	44.36	
27 29 00 00-0927	EA	Relocateable Power Taps, 6 outlets, 6' cord, Metal-Duplex Series, visual surge indication, 3 line protection. 600 joules. White Without tabs (Tripp Lite DG115-SI).....	127.20	
27 29 00 00-0928	EA	Relocateable Power Taps, 6 outlets, 6' cord, Metal-Duplex Series, 6 outlet strip, 3 line protection. 450 joules. White Without tabs (Tripp Lite DG206).....	82.19	
27 29 00 00-0929	EA	RJ45 100 And 10Base-T, Token Ring, AS400/Sys3x, RS422 (Wires 1-8) for NICs, terminals, hubs, MAUs, etc. (Tripp Lite DNET1).....	53.62	
27 29 00 00-0930	EA	12 outlets 15' cord 1050 joules Non-Isobar Economy Surge Suppressor 15-Amperes (Tripp Lite DRS-1215).....	201.78	
27 29 00 00-0931	EA	RJ45 protector (Wires 1-8) for T-1 equipment, CSU/DSUs, digital and leased lines and ISDN. (Tripp Lite DSUT1CSU).....	110.89	
27 29 00 00-0932	EA	RJ11/45 2-line Dial-Up protector, ideal for modems, faxes, answering machines, etc. (Tripp Lite DTEL2).....	60.06	
27 29 00 00-0933	EA	350VA UPS Energy Saving Standby 6 Outlets With USB 120 Volt (Tripp Lite ECO350UPS).....	178.08	
27 29 00 00-0934	EA	550VA UPS Energy Saving Standby 8 Outlets With USB 120 Volt (Tripp Lite ECO550UPS).....	238.75	
27 29 00 00-0935	EA	TAA Compliant 550VA UPS Energy Efficient 8 outlets And USB Port (Tripp Lite ECO550UPSTAA).....	270.06	
27 29 00 00-0936	EA	650VA UPS Eco Green LCD 120V USB RJ11 5-15R 8 Outlet (Tripp Lite ECO650LCD).....	272.02	
27 29 00 00-0937	EA	750VA UPS Energy Saving Standby 12 Outlets With USB 120 Volt (Tripp Lite ECO750UPS).....	330.73	
27 29 00 00-0938	EA	TAA Compliant 750VA UPS Energy Efficient 12 outlets And USB Port (Tripp Lite ECO750UPSTAA).....	371.82	
27 29 00 00-0939	EA	850VA UPS Eco Green LCD 120V USB RJ11 5-15R 12 Outlet (Tripp Lite ECO850LCD).....	326.81	
27 29 00 00-0940	EA	1250W 12V DC to AC Inverter with Automatic Line-to-Battery 55/14-Amperes Charger (Tripp Lite EMS1250UL).....	2,935.44	
27 29 00 00-0941	EA	Allows UPS to monitor external temp/humidity and contact-closure inputs (requires an SNMP card). (Tripp Lite ENVIROSENSE).....	430.53	
27 29 00 00-0942	EA	RF Remote for Vista Media Center (Tripp Lite ER-V2).....	139.16	
27 29 00 00-0943	EA	4 OUTLETS 6' CORD 330 JOULES Isobar Ultra Surge Suppressor 220/240V IEC-320 Receptacles (Tripp Lite EURO-4).....	173.73	
27 29 00 00-0944	EA	Easy Pull Type A Base Cable - 35' (Tripp Lite EZA-035).....	132.20	
27 29 00 00-0945	EA	Easy Pull Type A Base Cable, Plenum Rated - 35' (Tripp Lite EZA-035-P).....	382.69	
27 29 00 00-0946	EA	Easy Pull Type A Base Cable - 50' (Tripp Lite EZA-050).....	173.95	
27 29 00 00-0947	EA	Easy Pull Type A Base Cable - 50' (Tripp Lite EZA-050-P).....	556.65	
27 29 00 00-0948	EA	Easy Pull Type A Base Cable - 100' (Tripp Lite EZA-100).....	347.90	
27 29 00 00-0949	EA	Type A Plenum Base Easy Pull Cable - 100 ft. (Tripp Lite EZA-100-P).....	1,008.92	

27 Communications
27 20 Data Communications
27 29 Data Communications Network Systems

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-0950	EA		Easy Pull Connectors VGA-F/F w Audio (3.5mm F/F) and 2 faceplates, use w Type A cable Contains 2 Cables - 1' (Tripp Lite EZA-VGAFF-2).....	80.02	
27 29 00 00-0951	EA		Easy Pull VGA Cable with Audio - Two HD15 (M) with 3.5mm (M) (Tripp Lite EZA-VGAAM-2).....	55.66	
27 29 00 00-0952	EA		Easy Pull Connectors VGA-M/F w Audio (3.5mm M/F), w Faceplate, use w Type A cable Contains 2 cables and Face Plate - 1' (Tripp Lite EZA-VGAAX-2).....	69.58	
27 29 00 00-0953	EA		Type A Easy Pull Kit - (2) HD15 With Composite Video and Red/White Audio Female Connectors and Wallplates (Tripp Lite EZA-VGACSAF-2).....	166.99	
27 29 00 00-0954	EA		Type A Easy Pull Kit - (2) HD15 With Composite Video and Red/White Audio Male Connectors (Tripp Lite EZA-VGACSAM-2).....	121.77	
27 29 00 00-0955	EA		Type A Easy Pull Kit - HD15 With Composite Video and Red/White Audio - (1) F Connector/Wallplate, (1) M Connector (Tripp Lite EZA-VGACSAX-2).....	153.08	
27 29 00 00-0956	EA		Easy Pull VGA-F (x2) Connectors w (x2) Faceplates (use w Type A cable) Contains 2 cables - 1' (Tripp Lite EZA-VGAF-2).....	69.58	
27 29 00 00-0957	EA		Easy Pull VGA-M (x2) Connectors (use w Type A cable) Contains 2 cables - 1' (Tripp Lite EZA-VGAM-2).....	52.19	
27 29 00 00-0958	EA		Easy Pull HD15-M and HD15-F Connectors (use w Type A cable), w Faceplate contains 2 cables and 1 faceplate - 1' (Tripp Lite EZA-VGAX-2).....	62.62	
27 29 00 00-0959	EA		25ft Easy Pull Long-Run Display Cable Digital Polyvinyl Chloride (PVC) Trunk Cable 25' (Tripp Lite EZB-025).....	139.16	
27 29 00 00-0960	EA		Easy Pull Type B Base Cable - 50' (Tripp Lite EZB-050).....	156.56	
27 29 00 00-0961	EA		Easy Pull Type B Base Cable - 100' (Tripp Lite EZB-100).....	278.32	
27 29 00 00-0962	EA		Easy Pull DVI-F (x2) Connectors w (x2) faceplates (use w Type B cable), single link Contains 2 cables - 1' (Tripp Lite EZB-DVIF-2).....	62.62	
27 29 00 00-0963	EA		Easy Pull DVI-M (x2) Connectors (use w Type B Cable), single link Contains 2 cables - 1' (Tripp Lite EZB-DVIM-2).....	55.66	
27 29 00 00-0964	EA		Easy Pull DVI-M/F Connectors w (x1) faceplate (use w Type B cable), single link Contains 2 cables - 1' (Tripp Lite EZB-DVIX-2).....	62.62	
27 29 00 00-0965	EA		Easy Pull HDMI-M (x2) Connectors (use w Type B cable) Contains 2 cables - 1' (Tripp Lite EZB-HDMIM-2).....	73.06	
27 29 00 00-0966	EA		IEEE 1394 FireWire Gold Cable, 6pin/6pin - 6 ft. (Tripp Lite F005-006).....	29.98	
27 29 00 00-0967	EA		IEEE 1394 FireWire Gold Cable, 6pin/6pin - 15 ft. (Tripp Lite F005-015).....	54.29	
27 29 00 00-0968	EA		IEEE 1394 FireWire Gold Cable, 6pin/4pin - 3 ft. (Tripp Lite F007-003).....	28.79	
27 29 00 00-0969	EA		IEEE 1394 FireWire Gold Cable, 6pin/4pin - 6 ft. (Tripp Lite F007-006).....	29.98	
27 29 00 00-0970	EA		IEEE 1394 FireWire Gold Cable, 6pin/4pin - 15 ft. (Tripp Lite F007-015).....	50.99	
27 29 00 00-0971	EA		IEEE 1394 FireWire Gold Cable, 4pin/4pin - 6 ft. (Tripp Lite F009-006).....	29.98	
27 29 00 00-0972	EA		IEEE 1394b Firewire 800 Gold Hi-speed Cable, 9pin/9pin - 6' (Tripp Lite F015-006).....	77.97	
27 29 00 00-0973	EA		IEEE 1394b Firewire 800 Gold Hi-speed Cable, 9pin/9pin - 10' (Tripp Lite F015-010).....	95.98	
27 29 00 00-0974	EA		IEEE 1394b Firewire 800 Gold Hi-speed Cable, 9pin/6pin - 6' (Tripp Lite F017-006).....	65.97	
27 29 00 00-0975	EA		IEEE 1394b Firewire 800 Gold Hi-speed Cable, 9pin/6pin - 10' (Tripp Lite F017-010).....	74.97	
27 29 00 00-0976	EA		IEEE 1394b Firewire 800 Gold Hi-speed Cable, 9pin/4pin - 6' (Tripp Lite F019-006).....	56.99	
27 29 00 00-0977	EA		IEEE 1394b Firewire 800 Gold Hi-speed Cable, 9pin/4pin - 10' (Tripp Lite F019-010).....	82.48	
27 29 00 00-0978	EA		Mobile AC Power for Medical Cart. Power Supply with Isolation Transformer. Battery Module. UL 60601-1 Listed (Tripp Lite HCRK).....	4,089.07	
27 29 00 00-0979	EA		Medical Power System With 36-Ampere Hours Battery UL60601-1 Compliance (Tripp Lite HCRK-36).....	3,064.60	
27 29 00 00-0980	EA		Medical Power System With 54-Ampere Hours Battery UL60601-1 Compliance (Tripp Lite HCRK-54).....	3,403.15	
27 29 00 00-0981	EA		10 outlets 8' cord 3570 joules 3 pair coax 1 line phone 1 pair ethernet Isolated filter banks. Metal case. Holds 6 transformers. (Tripp Lite HT10DBS).....	302.68	
27 29 00 00-0982	EA		12 outlets 10' cord 5700 joules 3 pair coax 1 line phone 1 ethernet. Premium Isobar Surge Protection for Home Theater Components. Includes digital IR remote. (Tripp Lite HT1210ISOCTR).....	1,040.23	
27 29 00 00-0983	EA		Home Theater Surge 12 outlet 3coax Tel/DSL/Ethernet 2880 Joules (Tripp Lite HT1210SAT3).....	168.73	
27 29 00 00-0984	EA		7 outlets 6' cord 1680 joules 2 pair coax 1 line phone Holds 4 transformers. (Tripp Lite HT706TSAT).....	77.41	
27 29 00 00-0985	EA		7 outlets 6' cord 1080 joules 1 pair coax Holds 4 transformers. (Tripp Lite HT706TV).....	69.58	
27 29 00 00-0986	EA		8 outlets 10' cord 5700 joules 3 pair coax 1 line phone Premium Isobar Surge Protection for Home Theater Components. (Tripp Lite HT810ISOCTR).....	539.25	
27 29 00 00-0987	EA		Standby UPS System.1-line multi-device modem/fax protection. Coax protection. USB port/software/cabling. 12 outlets (6 UPS/surge, 6 surge only) (Tripp Lite HT850UPS).....	508.81	
27 29 00 00-0988	EA		Protect It! Surge 6 Swivel Outlets Direct Plug 1200 Joules Coax + TEL (Tripp Lite HTSWIVEL6).....	66.10	
27 29 00 00-0989	EA		4 OUTLETS 6' CORD 330 JOULES Isobar Ultra Surge Suppressor 220/240V US 5-15R Receptacles (Tripp Lite IB4-6/220).....	171.91	
27 29 00 00-0990	EA		12 outlets 15' cord 1280 joules Isobar Surge Suppressor with Locking Plug 20 -Amperes (Tripp Lite IBAR12-20T).....	497.50	
27 29 00 00-0991	EA		2 OUTLETS 6' CORD 600 JOULES Isobar Ultra Surge Suppressor (Tripp Lite IBAR2-6D).....	103.50	
27 29 00 00-0992	EA		4 OUTLETS 6' CORD 2200 JOULES Isobar Ultra Surge Suppressor (Tripp Lite IBAR4-6D).....	139.16	
27 29 00 00-0993	EA		Premium Surge Suppressor. 15 ft. cord. 1 isolated filter bank. Diagnostics. 6 hospital-grade outlets and hospital-grade plug. (Tripp Lite IBAR6 HG).....	287.02	
27 29 00 00-0994	EA		6 OUTLETS 6' CORD 2350 JOULES Isobar Ultra Surge Suppressor (Tripp Lite IBAR6-6D).....	166.99	
27 29 00 00-0995	EA		8 OUTLETS 12' CORD 2350 JOULES Isobar Ultra Surge Suppressor with 9ft. Remote On/Off Switch (Tripp Lite IBAR8-15RM).....	243.53	
27 29 00 00-0996	EA		2 OUTLETS Direct Plug-In 600 JOULES Isobar Ultra Surge Suppressor with diagnostic LED (Tripp Lite IBLOK2-0).....	81.76	
27 29 00 00-0997	EA		12 outlets 15' cord 1280 joules Isobar Surge Suppressor 15-Amperes (Tripp Lite IBR12).....	382.69	
27 29 00 00-0998	EA		Mini Optical Mouse. Retractable cable extends up to 31 inches. (Tripp Lite IN3000WI).....	52.19	
27 29 00 00-0999	EA		Multimedia Keyboard. Includes 12 customized hot keys. (Tripp Lite IN3005KB).....	60.01	
27 29 00 00-1000	EA		Notebook Ultra-Slim Premier Office Keyboard with USB and Internet Hot Keys. (Tripp Lite IN3007KB).....	68.71	
27 29 00 00-1001	EA		Notebook Ultra-Slim Compact Flexible Keyboard with USB, PS2 and 106 Keys. (Tripp Lite IN3008KB).....	68.71	
27 29 00 00-1002	EA		Notebook Wireless Multimedia Flexible Keyboard with USB and Internet Hot Keys. (Tripp Lite IN3010KB).....	170.47	
27 29 00 00-1003	EA		350VA UPS System Compact Low Profile Standby Serial Port 120V 6 Outlet - 350 VA 1 DB9, 1 Line Multi Device Modem/Fax Protection (Tripp Lite INTERNET350SER).....	178.08	
27 29 00 00-1004	EA		350VA UPS System Compact Low Profile Standby USB 120V 8 Outlet - 350 VA1 USB, 1 Line Multi Device Modem/Fax Protection (Tripp Lite INTERNET350U).....	168.30	
27 29 00 00-1005	EA		550VA UPS System Compact Low Profile Standby Serial Port 120V 8 Outlet - 550 VA 1 DB9, 1 Line Multi Device Modem/Fax Protection (Tripp Lite INTERNET550SER).....	227.01	
27 29 00 00-1006	EA		550VA UPS System Compact Low Profile Standby USB 120V 8 Outlet - 550 VA1 USB, 1 Line Multi Device Modem/Fax Protection (Tripp Lite INTERNET550U).....	227.01	
27 29 00 00-1007	EA		560VA UPS System Compact Low Profile Standby USB 120V 8 Outlet - 600 VA 1 USB, 1 Line Multi Device Modem/Fax Protection (Tripp Lite INTERNET600U).....	234.84	
27 29 00 00-1008	EA		750VA UPS System Compact Low Profile Standby USB 120V 8 Outlet - 750 VA1 USB, 1 Line Multi Device Modem/Fax Protection (Tripp Lite INTERNET750U).....	322.90	
27 29 00 00-1009	EA		900VA UPS System Compact Low Profile Standby USB 120V 12 Outlet - 900 VA 1 USB, 1 Line Multi Device Modem/Fax Protection (Tripp Lite INTERNET900U).....	363.99	
27 29 00 00-1010	EA		300VA UPS System Ultra Compact Low Profile Standby 120V 6 Outlet - 300 VA, Modem/Fax Protection (Tripp Lite INTRNT OFFC300).....	240.71	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-1011	EA	500VA UPS System Ultra Compact Low Profile Standby 120V 6 Outlet - 500 VA1 USB, 2 Line Multi Device Modem/Fax Protection (Tripp Lite INTRNT OFFC500R).....	395.31	
27 29 00 00-1012	EA	Tripp Lite 700VA UPS Battery Backup Tower 120V USB RJ45 (Tripp Lite INTRNT OFFC700R).....	434.45	
27 29 00 00-1013	EA	1000 Watt FULL ISOLATION. Transformer With Faraday Shield, 4 Outlets. (Tripp Lite IS-1000).....	958.91	
27 29 00 00-1014	EA	1000 Watt FULL ISOLATION. Transformer with Faraday shield. UL 60601-1 Listed. 4 hospital-grade outlets and hospital-grade plug. (Tripp Lite IS1000HG).....	1,469.89	
27 29 00 00-1015	EA	1800 Watt FULL ISOLATION. Transformer with Faraday shield. UL 60601-1 Listed. 6 hospital-grade outlets and hospital-grade plug. (Tripp Lite IS1800HG).....	2,304.86	
27 29 00 00-1016	EA	250 Watt FULL ISOLATION. Transformer With Faraday Shield, 2 Outlets. (Tripp Lite IS-250).....	387.48	
27 29 00 00-1017	EA	250 Watt FULL ISOLATION. Transformer with Faraday shield. UL 60601-1 Listed. 2 hospital-grade outlets and hospital-grade plug. (Tripp Lite IS250HG).....	700.16	
27 29 00 00-1018	EA	500 Watt FULL ISOLATION. Transformer With Faraday Shield, 4 Outlets. (Tripp Lite IS-500).....	614.49	
27 29 00 00-1019	EA	500 Watt FULL ISOLATION. Transformer with Faraday shield. UL 60601-1 Listed. 4 hospital-grade outlets and hospital-grade plug. (Tripp Lite IS500HG).....	974.13	
27 29 00 00-1020	EA	12 outlets 15' cord 1280 joules Isobar Ultra Surge Suppressor 15-Amperes (Tripp Lite ISOBAR12 ULTRA).....	368.78	
27 29 00 00-1021	EA	12 outlets 15' cord 1280 joules Isobar Ultra Surge Suppressor 20 -Amperes (Tripp Lite ISOBAR12/20 UL).....	417.48	
27 29 00 00-1022	EA	4 OUTLETS 6' CORD 2200 JOULES Isobar Ultra Surge Suppressor with diagnostic LED'S (Tripp Lite ISOBAR4 ULTRA).....	153.08	
27 29 00 00-1023	EA	6 OUTLETS 6' CORD 2350 JOULES Isobar Ultra Surge Suppressor with diagnostic LED'S (Tripp Lite ISOBAR6 ULTRA).....	173.95	
27 29 00 00-1024	EA	6 OUTLETS 6' CORD 2850 JOULES Isobar Ultra Surge Suppressor with 2 line Coax, Modem/Fax Protection and diagnostic LED'S (Tripp Lite ISOBAR6DBS).....	207.00	
27 29 00 00-1025	EA	8 OUTLETS 12' CORD 2350 JOULES Isobar Ultra Surge Suppressor with diagnostic LED'S (Tripp Lite ISOBAR8 ULTRA).....	200.04	
27 29 00 00-1026	EA	Isobar Ultra Surge With Fax/Modem 8 outlets 25' Cord 2350 Joules (Tripp Lite ISOBAR825ULTRA).....	229.62	
27 29 00 00-1027	EA	4 OUTLETS 6' CORD 2700 JOULES Isobar Ultra Surge Suppressor with Modem/Fax Protection (Tripp Lite ISOTEL).....	173.95	
27 29 00 00-1028	EA	4 OUTLETS 6' CORD 2700 JOULES Isobar Ultra Surge Suppressor with Modem/Fax Protection and diagnostic LED'S (Tripp Lite ISOTEL4 ULTRA).....	188.74	
27 29 00 00-1029	EA	6 OUTLETS 6' CORD 2850 JOULES Isobar Ultra Surge Suppressor with 2 line Modem/Fax Protection and diagnostic LED'S (Tripp Lite ISOTEL6 ULTRA).....	207.00	
27 29 00 00-1030	EA	8 OUTLETS 12' CORD 2850 JOULES Isobar Ultra Surge Suppressor with Modem/Fax Protection and diagnostic LED'S (Tripp Lite ISOTEL8 ULTRA).....	231.36	
27 29 00 00-1031	EA	1200 Watt ISOBAR® Protection, High/Low Voltage Correction, 4 Outlets. (Tripp Lite LC1200).....	379.65	
27 29 00 00-1032	EA	1,800 Watt ISOBAR® Protection, High/Low Voltage Correction, 7 LED Readout, 6 Outlets. (Tripp Lite LC1800).....	563.60	
27 29 00 00-1033	EA	2400 Watt ISOBAR® Protection, High/Low Voltage Correction, 7 LED Readout, 6 Outlets. (Tripp Lite LC2400).....	763.21	
27 29 00 00-1034	EA	2,400 Watt Rackmount, 3U, ISOBAR® Protection, High/Low Voltage Correction, 5 LED Readout, 14 Outlets. (Tripp Lite LCR2400).....	1,033.27	
27 29 00 00-1035	EA	1,000 Watt, 230 Volt, 50/60 Hertz, 4 NEMA 5-15R Outlets, 1 Universal Outlet Adapter (Tripp Lite LR1000).....	450.10	
27 29 00 00-1036	EA	2,000 Watt, 230 Volt, 50/60 Hertz, 2 NEMA 5-15R, 2 NEMA 6-15R And 2 IEC-320 Outlets, 1 Universal Outlet Adapter (Tripp Lite LR2000).....	837.58	
27 29 00 00-1037	EA	600 Watt, 230 Volt, 50/60 Hertz, 3 IEC-320 Outlets (Tripp Lite LR604).....	340.51	
27 29 00 00-1038	EA	600 Watt, Wallmount, High/Low Voltage Correction, 4 Outlets. (Tripp Lite LS604WM).....	360.08	
27 29 00 00-1039	EA	600 Watt, High/Low Voltage Correction, 6 Outlets (Tripp Lite LS606M).....	273.97	
27 29 00 00-1040	EA	UPS / PC Communication via MODBUS RS-422/485 And RS-232 Ports (Tripp Lite MODBUSCARD).....	869.76	
27 29 00 00-1041	EA	6 OUTLETS 10' CORD 1790 JOULES Isobar Ultra Under Monitor Surge Suppressor with Modem/Fax Protection (Tripp Lite MT-6PLUS).....	262.45	
27 29 00 00-1042	EA	1' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M Blue (Tripp Lite N001-001-BL).....	6.59	
27 29 00 00-1043	EA	1' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M Yellow (Tripp Lite N001-001-YW).....	6.59	
27 29 00 00-1044	EA	2' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M Blue (Tripp Lite N001-002-BL).....	7.20	
27 29 00 00-1045	EA	3' Category 5E 350MHz Black Snagless Molded Patch Cable RJ45 (Tripp Lite N001-003-BK).....	8.39	
27 29 00 00-1046	EA	3' Category 5E 350MHz Blue Molded Snagless Patch Cable, RJ45M/M (Tripp Lite N001-003-BL).....	8.39	
27 29 00 00-1047	EA	3' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M Green (Tripp Lite N001-003-GN).....	8.39	
27 29 00 00-1048	EA	3' Category 5E 350MHz Gray Snagless Molded Patch Cable RJ45 (Tripp Lite N001-003-GY).....	8.39	
27 29 00 00-1049	EA	3' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M Red (Tripp Lite N001-003-RD).....	8.39	
27 29 00 00-1050	EA	3' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M White (Tripp Lite N001-003-WH).....	8.39	
27 29 00 00-1051	EA	3' Category 5E 350MHz Yellow Snagless Molded Patch Cable RJ45M/M (Tripp Lite N001-003-YW).....	8.39	
27 29 00 00-1052	EA	4' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M Blue (Tripp Lite N001-004-BL).....	8.39	
27 29 00 00-1053	EA	5' Category 5E 350MHz Black Snagless Molded Patch Cable RJ45 (Tripp Lite N001-005-BK).....	9.89	
27 29 00 00-1054	EA	5' Category 5E 350MHz Blue Snagless Molded Patch Cable RJ45 (Tripp Lite N001-005-BL).....	9.89	
27 29 00 00-1055	EA	5' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M Green (Tripp Lite N001-005-GN).....	9.89	
27 29 00 00-1056	EA	5' Category 5E 350MHz Gray Snagless Molded Patch Cable RJ45 (Tripp Lite N001-005-GY).....	9.89	
27 29 00 00-1057	EA	5' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M Red (Tripp Lite N001-005-RD).....	9.89	
27 29 00 00-1058	EA	5' Category 5E 350MHz Yellow Snagless Molded Patch Cable RJ45M/M (Tripp Lite N001-005-YW).....	9.89	
27 29 00 00-1059	EA	6' Category 5E 350MHz Black Snagless Molded Patch Cable RJ45M/M (Tripp Lite N001-006-BK).....	11.39	
27 29 00 00-1060	EA	6' Category 5E 350MHz Blue Snagless Molded Patch Cable RJ45M/M (Tripp Lite N001-006-BL).....	11.39	
27 29 00 00-1061	EA	6' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M Gray (Tripp Lite N001-006-GY).....	11.39	
27 29 00 00-1062	EA	6' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M Yellow (Tripp Lite N001-006-YW).....	11.39	
27 29 00 00-1063	EA	7' Category 5E 350MHz Black Snagless Molded Patch Cable RJ45 (Tripp Lite N001-007-BK).....	11.70	
27 29 00 00-1064	EA	7' Category 5E 350MHz Blue Molded Snagless Patch Cable, RJ45M/M (Tripp Lite N001-007-BL).....	11.70	
27 29 00 00-1065	EA	7' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M Green (Tripp Lite N001-007-GN).....	11.70	
27 29 00 00-1066	EA	7' Category 5E 350MHz Gray Snagless Molded Patch Cable RJ45 (Tripp Lite N001-007-GY).....	11.70	
27 29 00 00-1067	EA	7' Category 5E 350MHz Gray Snagless Molded Patch Cable RJ45 (Tripp Lite N001-007-GY-R).....	8.39	
27 29 00 00-1068	EA	7' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M Orange (Tripp Lite N001-007-OR).....	11.70	
27 29 00 00-1069	EA	7' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M Red (Tripp Lite N001-007-RD).....	11.70	
27 29 00 00-1070	EA	7' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M White (Tripp Lite N001-007-WH).....	11.70	
27 29 00 00-1071	EA	7' Category 5E 350MHz Gray Snagless Molded Patch Cable RJ45M/M (Tripp Lite N001-007-YW).....	11.70	
27 29 00 00-1072	EA	8' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M Blue (Tripp Lite N001-008-BL).....	12.59	
27 29 00 00-1073	EA	10' Category 5E 350MHz Black Snagless Molded Patch Cable RJ45 (Tripp Lite N001-010-BK).....	13.79	
27 29 00 00-1074	EA	10' Category 5E 350MHz Blue Molded Snagless Patch Cable, RJ45M/M (Tripp Lite N001-010-BL).....	13.79	
27 29 00 00-1075	EA	10' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M Green (Tripp Lite N001-010-GN).....	13.79	
27 29 00 00-1076	EA	10' Category 5E 350MHz Gray Snagless Molded Patch Cable RJ45 (Tripp Lite N001-010-GY).....	13.79	
27 29 00 00-1077	EA	10' Category 5E/5 350MHz Snagless Patch Cbl RJ45 M/M Orange (Tripp Lite N001-010-OR).....	13.79	
27 29 00 00-1078	EA	10' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M White (Tripp Lite N001-010-WH).....	13.79	
27 29 00 00-1079	EA	10' Category 5E 350MHz Yellow Snagless Molded Patch Cable RJ45M/M (Tripp Lite N001-010-YW).....	13.79	
27 29 00 00-1080	EA	12' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M Gray (Tripp Lite N001-012-GY).....	14.70	
27 29 00 00-1081	EA	14' Category 5E 350MHz Black Snagless Molded Patch Cable RJ45 (Tripp Lite N001-014-BK).....	15.59	

27 Communications
27 20 Data Communications
27 29 Data Communications Network Systems

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

27 29 00 00-1082	EA	14' Category 5E 350MHz Blue Snagless Molded Patch Cable RJ45 (Tripp Lite N001-014-BL)	15.59
27 29 00 00-1083	EA	14' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M Green (Tripp Lite N001-014-GN)	15.59
27 29 00 00-1084	EA	14' Category 5E 350MHz Gray Snagless Molded Patch Cable RJ45 (Tripp Lite N001-014-GY)	15.59
27 29 00 00-1085	EA	14' Category 5E 350MHz Gray Snagless Molded Patch Cable RJ45 (Tripp Lite N001-014-GY-R)	12.00
27 29 00 00-1086	EA	14' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M Red (Tripp Lite N001-014-RD)	15.59
27 29 00 00-1087	EA	14' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M White (Tripp Lite N001-014-WH)	15.59
27 29 00 00-1088	EA	14' Category 5E 350MHz Yellow Snagless Molded Patch Cable RJ45M/M (Tripp Lite N001-014-YW)	15.59
27 29 00 00-1089	EA	15' Category 5E 350MHz Black Snagless Molded Patch Cable RJ45M/M (Tripp Lite N001-015-BK)	18.29
27 29 00 00-1090	EA	15' Category 5E 350MHz Blue Snagless Molded Patch Cable RJ45M/M (Tripp Lite N001-015-BL)	18.29
27 29 00 00-1091	EA	15' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M Green (Tripp Lite N001-015-GN)	18.29
27 29 00 00-1092	EA	15' Category 5E 350MHz Gray Snagless Molded Patch Cable RJ45 (Tripp Lite N001-015-GY)	18.29
27 29 00 00-1093	EA	15' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M Red (Tripp Lite N001-015-RD)	18.29
27 29 00 00-1094	EA	15' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M YLW (Tripp Lite N001-015-YW)	18.29
27 29 00 00-1095	EA	20' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M Blue (Tripp Lite N001-020-BL)	23.40
27 29 00 00-1096	EA	20' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M Green (Tripp Lite N001-020-GN)	23.40
27 29 00 00-1097	EA	20' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M Gray (Tripp Lite N001-020-GY)	23.40
27 29 00 00-1098	EA	25' Category 5E 350MHz Black Snagless Molded Patch Cable RJ45 (Tripp Lite N001-025-BK)	28.48
27 29 00 00-1099	EA	25' Category 5E 350MHz Blue Snagless Molded Patch Cable, RJ45M/M (Tripp Lite N001-025-BL)	28.48
27 29 00 00-1100	EA	25' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M Green (Tripp Lite N001-025-GN)	28.48
27 29 00 00-1101	EA	25' Category 5E 350MHz Gray Snagless Molded Patch Cable RJ45 (Tripp Lite N001-025-GY)	28.48
27 29 00 00-1102	EA	25' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M Red (Tripp Lite N001-025-RD)	28.48
27 29 00 00-1103	EA	25' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M White (Tripp Lite N001-025-WH)	28.48
27 29 00 00-1104	EA	25' Category 5E 350MHz Yellow Snagless Molded Patch Cable RJ45M/M (Tripp Lite N001-025-YW)	28.48
27 29 00 00-1105	EA	30' Category 5E 350MHz Black Snagless Molded Patch Cable RJ45M/M (Tripp Lite N001-030-BK)	35.99
27 29 00 00-1106	EA	30' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M Blue (Tripp Lite N001-030-BL)	35.99
27 29 00 00-1107	EA	30' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M Gray (Tripp Lite N001-030-GY)	35.99
27 29 00 00-1108	EA	40' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M Blue (Tripp Lite N001-040-BL)	44.99
27 29 00 00-1109	EA	50' Category 5E 350MHz Black Snagless Molded Patch Cable RJ45 (Tripp Lite N001-050-BK)	54.58
27 29 00 00-1110	EA	50' Category 5E 350MHz Blue Snagless Molded Patch Cable RJ45 (Tripp Lite N001-050-BL)	54.58
27 29 00 00-1111	EA	50' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M Green (Tripp Lite N001-050-GN)	54.58
27 29 00 00-1112	EA	50' Category 5E 350MHz Gray Snagless Molded Patch Cable RJ45 (Tripp Lite N001-050-GY)	54.58
27 29 00 00-1113	EA	50' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M Red (Tripp Lite N001-050-RD)	54.58
27 29 00 00-1114	EA	50' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M White (Tripp Lite N001-050-WH)	54.58
27 29 00 00-1115	EA	50' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M YLW (Tripp Lite N001-050-YW)	54.58
27 29 00 00-1116	EA	75' Category 5E/5 350MHz Snagless Patch Cable RJ45 M/M Blue (Tripp Lite N001-075-BL)	77.97
27 29 00 00-1117	EA	75' Category 5E 350MHz Gray Snagless Molded Patch Cable RJ45 (Tripp Lite N001-075-GY)	77.97
27 29 00 00-1118	EA	100' Category 5E 350MHz Black Snagless Molded Patch Cable RJ45M/M (Tripp Lite N001-100-BK)	110.96
27 29 00 00-1119	EA	100' Category 5E 350MHz Gray Snagless Molded Patch Cable RJ45 (Tripp Lite N001-100-GY)	110.96
27 29 00 00-1120	EA	125' Category 5E 350MHz Gray Snagless Molded Patch Cable RJ45 (Tripp Lite N001-125-GY)	113.96
27 29 00 00-1121	EA	150' Category 5E 350MHz Gray Snagless Molded Patch Cable RJ45 (Tripp Lite N001-150-GY)	161.95
27 29 00 00-1122	EA	200' Category 5E 350MHz Gray Snagless Molded Patch Cable RJ45 (Tripp Lite N001-200-GY)	278.93
27 29 00 00-1123	EA	1' Category 5E 350MHz Black Molded Patch Cable RJ45 (Tripp Lite N002-001-BK)	6.59
27 29 00 00-1124	EA	1' Category 5E 350MHz Blue Molded Patch Cable RJ45M/M (Tripp Lite N002-001-BL)	6.59
27 29 00 00-1125	EA	1' Category 5E 350MHz Green Molded Patch Cable RJ45M/M (Tripp Lite N002-001-GN)	6.59
27 29 00 00-1126	EA	1' Category 5E 350MHz Gray Molded Patch Cable RJ45 (Tripp Lite N002-001-GY)	6.59
27 29 00 00-1127	EA	1' Category 5E 350MHz Red Molded Patch Cable RJ45M/M (Tripp Lite N002-001-RD)	6.59
27 29 00 00-1128	EA	1' Category 5E 350MHz White Molded Patch Cable RJ45M/M (Tripp Lite N002-001-WH)	6.59
27 29 00 00-1129	EA	1' Category 5E 350MHz Yellow Molded Patch Cable RJ45M/M (Tripp Lite N002-001-YW)	6.59
27 29 00 00-1130	EA	2' Category 5E 350MHz Black Molded Patch Cable RJ45 (Tripp Lite N002-002-BK)	6.89
27 29 00 00-1131	EA	2' Category 5E 350MHz Blue Molded Patch Cable RJ45 (Tripp Lite N002-002-BL)	6.89
27 29 00 00-1132	EA	2' Category 5E 350MHz Gray Molded Patch Cable RJ45 (Tripp Lite N002-002-GY)	6.89
27 29 00 00-1133	EA	3' Category 5E 350MHz Black Molded Patch Cable RJ45M/M (Tripp Lite N002-003-BK)	7.20
27 29 00 00-1134	EA	3' Category 5E 350MHz Blue Molded Patch Cable RJ45M/M (Tripp Lite N002-003-BL)	7.20
27 29 00 00-1135	EA	3' Category 5E 350MHz Green Molded Patch Cable RJ45M/M (Tripp Lite N002-003-GN)	7.20
27 29 00 00-1136	EA	3' Category 5E 350MHz Gray Molded Patch Cable, RJ45M/M (Tripp Lite N002-003-GY)	7.20
27 29 00 00-1137	EA	3' Category 5E 350MHz Red Molded Patch Cable RJ45M/M (Tripp Lite N002-003-RD)	7.20
27 29 00 00-1138	EA	3' Category 5E 350MHz White Molded Patch Cable RJ45M/M (Tripp Lite N002-003-WH)	7.20
27 29 00 00-1139	EA	3' Category 5E 350MHz Yellow Molded Patch Cable RJ45M/M (Tripp Lite N002-003-YW)	7.20
27 29 00 00-1140	EA	4' Category 5E 350MHz Black Molded Patch Cable RJ45M/M (Tripp Lite N002-004-BK)	7.81
27 29 00 00-1141	EA	4' Category 5E 350MHz Blue Molded Patch Cable RJ45M/M (Tripp Lite N002-004-BL)	7.81
27 29 00 00-1142	EA	4' Category 5E 350MHz Gray Molded Patch Cable RJ45M/M (Tripp Lite N002-004-GY)	7.81
27 29 00 00-1143	EA	5' Category 5E 350MHz Black Molded Patch Cable RJ45M/M (Tripp Lite N002-005-BK)	8.39
27 29 00 00-1144	EA	5' Category 5E 350MHz Blue Molded Patch Cable RJ45M/M (Tripp Lite N002-005-BL)	8.39
27 29 00 00-1145	EA	5' Category 5E 350MHz Green Molded Patch Cable RJ45M/M (Tripp Lite N002-005-GN)	8.39
27 29 00 00-1146	EA	5' Category 5E 350MHz Gray Molded Patch Cable RJ45M/M (Tripp Lite N002-005-GY)	8.39
27 29 00 00-1147	EA	5' Category 5E 350MHz Red Molded Patch Cable RJ45M/M (Tripp Lite N002-005-RD)	8.39
27 29 00 00-1148	EA	5' Category 5E 350MHz White Molded Patch Cable RJ45M/M (Tripp Lite N002-005-WH)	8.39
27 29 00 00-1149	EA	5' Category 5E 350MHz Yellow Molded Patch Cable RJ45M/M (Tripp Lite N002-005-YW)	8.39
27 29 00 00-1150	EA	6' Category 5E 350MHz Black Molded Patch Cable RJ45M/M (Tripp Lite N002-006-BK)	9.89
27 29 00 00-1151	EA	6' Category 5E 350MHz Blue Molded Patch Cable RJ45M/M (Tripp Lite N002-006-BL)	9.89
27 29 00 00-1152	EA	6' Category 5E 350MHz Gray Molded Patch Cable RJ45M/M (Tripp Lite N002-006-GY)	9.89
27 29 00 00-1153	EA	6' Category 5E 350MHz Red Molded Patch Cable RJ45M/M (Tripp Lite N002-006-RD)	9.89
27 29 00 00-1154	EA	6' Category 5E/5 350MHz Patch Cable RJ45 M/M White (Tripp Lite N002-006-WH)	9.89
27 29 00 00-1155	EA	6' Category 5E 350MHz Yellow Molded Patch Cable RJ45M/M (Tripp Lite N002-006-YW)	9.89
27 29 00 00-1156	EA	7' Category 5E 350MHz Black Molded Patch Cable RJ45M/M (Tripp Lite N002-007-BK)	10.81
27 29 00 00-1157	EA	7' Category 5E 350MHz Blue Molded Patch Cable RJ45M/M (Tripp Lite N002-007-BL)	10.81
27 29 00 00-1158	EA	7' Category 5E 350MHz Green Molded Patch Cable RJ45M/M (Tripp Lite N002-007-GN)	10.81
27 29 00 00-1159	EA	7' Category 5E 350MHz Gray Molded Patch Cable, RJ45M/M (Tripp Lite N002-007-GY)	10.81
27 29 00 00-1160	EA	7' Category 5E 350MHz Red Molded Patch Cable RJ45M/M (Tripp Lite N002-007-RD)	10.81
27 29 00 00-1161	EA	7' Category 5E 350MHz White Molded Patch Cable RJ45M/M (Tripp Lite N002-007-WH)	10.81
27 29 00 00-1162	EA	7' Category 5E 350MHz Yellow Molded Patch Cable RJ45M/M (Tripp Lite N002-007-YW)	10.81
27 29 00 00-1163	EA	10' Category 5E 350MHz Black Molded Patch Cable RJ45M/M (Tripp Lite N002-010-BK)	12.59
27 29 00 00-1164	EA	10' Category 5E 350MHz Blue Molded Patch Cable RJ45M/M (Tripp Lite N002-010-BL)	12.59
27 29 00 00-1165	EA	10' Category 5E 350MHz Green Molded Patch Cable RJ45M/M (Tripp Lite N002-010-GN)	12.59
27 29 00 00-1166	EA	10' Category 5E 350MHz Gray Molded Patch Cable, RJ45M/M (Tripp Lite N002-010-GY)	12.59

27 29 00 00-1167	EA	10' Category 5E 350MHz Red Molded Patch Cable RJ45M/M (Tripp Lite N002-010-RD).....	12.59
27 29 00 00-1168	EA	10' Category 5E 350MHz White Molded Patch Cable RJ45M/M (Tripp Lite N002-010-WH).....	12.59
27 29 00 00-1169	EA	10' Category 5E 350MHz Yellow Molded Patch Cable RJ45M/M (Tripp Lite N002-010-YW).....	12.59
27 29 00 00-1170	EA	12' Category 5E/5 350MHz Patch Cable RJ45 M/M Gray (Tripp Lite N002-012-GY).....	13.79
27 29 00 00-1171	EA	14' Category 5E 350MHz Black Molded Patch Cable RJ45M/M (Tripp Lite N002-014-BK).....	14.70
27 29 00 00-1172	EA	14' Category 5E 350MHz Blue Molded Patch Cable RJ45M/M (Tripp Lite N002-014-BL).....	14.70
27 29 00 00-1173	EA	14' Category 5E 350MHz Green Molded Patch Cable RJ45M/M (Tripp Lite N002-014-GN).....	14.70
27 29 00 00-1174	EA	14' Category 5E 350MHz Gray Molded Patch Cable RJ45M/M (Tripp Lite N002-014-GY).....	14.70
27 29 00 00-1175	EA	14' Category 5E 350MHz Orange Molded Patch Cable RJ45M/M (Tripp Lite N002-014-OR).....	14.70
27 29 00 00-1176	EA	14' Category 5E 350MHz Red Molded Patch Cable RJ45M/M (Tripp Lite N002-014-RD).....	14.70
27 29 00 00-1177	EA	14' Category 5E 350MHz White Molded Patch Cable RJ45M/M (Tripp Lite N002-014-WH).....	14.70
27 29 00 00-1178	EA	14' Category 5E 350MHz Yellow Molded Patch Cable RJ45M/M (Tripp Lite N002-014-YW).....	14.70
27 29 00 00-1179	EA	15' Category 5E/5 350MHz Patch Cable RJ45 M/M Black (Tripp Lite N002-015-BK).....	15.89
27 29 00 00-1180	EA	15' Category 5E 350MHz Blue Molded Patch Cable RJ45M/M (Tripp Lite N002-015-BL).....	15.89
27 29 00 00-1181	EA	15' Category 5E/5 350MHz Patch Cable RJ45 M/M Green (Tripp Lite N002-015-GN).....	15.89
27 29 00 00-1182	EA	15' Category 5E 350MHz Gray Molded Patch Cable RJ45M/M (Tripp Lite N002-015-GY).....	15.89
27 29 00 00-1183	EA	15' Category 5E/5 350MHz Patch Cable RJ45 M/M Yellow (Tripp Lite N002-015-YW).....	15.89
27 29 00 00-1184	EA	20' Category 5E/5 350MHz Patch Cable RJ45 M/M Black (Tripp Lite N002-020-BK).....	20.40
27 29 00 00-1185	EA	20' Category 5E/5 350MHz Patch Cable RJ45 M/M Blue (Tripp Lite N002-020-BL).....	20.40
27 29 00 00-1186	EA	20' Category 5E 350MHz Gray Molded Patch Cable RJ45M/M (Tripp Lite N002-020-GY).....	20.40
27 29 00 00-1187	EA	25' Category 5E 350MHz Black Molded Patch Cable RJ45M/M (Tripp Lite N002-025-BK).....	23.70
27 29 00 00-1188	EA	25' Category 5E 350MHz Blue Molded Patch Cable RJ45M/M (Tripp Lite N002-025-BL).....	23.70
27 29 00 00-1189	EA	25' Category 5E 350MHz Green Molded Patch Cable RJ45M/M (Tripp Lite N002-025-GN).....	23.70
27 29 00 00-1190	EA	25' Category 5E 350MHz Gray Molded Patch Cable RJ45M/M (Tripp Lite N002-025-GY).....	23.70
27 29 00 00-1191	EA	25' Category 5E 350MHz Red Molded Patch Cable RJ45M/M (Tripp Lite N002-025-RD).....	23.70
27 29 00 00-1192	EA	25' Category 5E 350MHz White Molded Patch Cable RJ45M/M (Tripp Lite N002-025-WH).....	23.70
27 29 00 00-1193	EA	25' Category 5E 350MHz Yellow Molded Patch Cable RJ45M/M (Tripp Lite N002-025-YW).....	23.70
27 29 00 00-1194	EA	30' Category 5E/5 350MHz Patch Cable RJ45 M/M Blue (Tripp Lite N002-030-BL).....	26.98
27 29 00 00-1195	EA	50' Category 5E 350MHz Blue Molded Patch Cable RJ45M/M (Tripp Lite N002-050-BK).....	41.99
27 29 00 00-1196	EA	50' Category 5E/5 350MHz Patch Cable RJ45 M/M Blue (Tripp Lite N002-050-BL).....	41.99
27 29 00 00-1197	EA	50' Category 5E 350MHz Gray Molded Patch Cable RJ45M/M (Tripp Lite N002-050-GY).....	41.99
27 29 00 00-1198	EA	50' Category 5E/5 350MHz Patch Cable RJ45 M/M Yellow (Tripp Lite N002-050-YW).....	41.99
27 29 00 00-1199	EA	75' Category 5E 350MHz Gray Molded Patch Cable RJ45M/M (Tripp Lite N002-075-GY).....	70.19
27 29 00 00-1200	EA	100' Category 5E/5 350MHz Patch Cable RJ45 M/M Black (Tripp Lite N002-100-BK).....	85.17
27 29 00 00-1201	EA	100' Category 5E 350MHz Blue Molded Patch Cable RJ45 (Tripp Lite N002-100-BL).....	85.17
27 29 00 00-1202	EA	100' Category 5E 350MHz Gray Molded Patch Cable RJ45M/M (Tripp Lite N002-100-GY).....	85.17
27 29 00 00-1203	EA	25' Category 5E 350MHz Molded Gray Outdoor Rated Patch Cable RJ45M/M (Tripp Lite N007-025-GY).....	227.94
27 29 00 00-1204	EA	100' Category 5E 350MHz Molded Gray Outdoor Rated Patch Cable RJ45M/M (Tripp Lite N007-100-GY).....	239.92
27 29 00 00-1205	EA	150' Category 5E 350MHz Gray Outdoor-Rated Patch Cbl RJ45M/M (Tripp Lite N007-150-GY).....	329.90
27 29 00 00-1206	EA	200' Category 5E 350MHz Molded Gray Outdoor Rated Patch Cable RJ45 (Tripp Lite N007-200-GY).....	959.74
27 29 00 00-1207	EA	4' Category 5E Retractable Patch Cable RJ45M/M (Tripp Lite N009-004-R).....	41.99
27 29 00 00-1208	EA	7' Category 5E 350MHz Gray Cross-over Molded Cable RJ45M/M (Tripp Lite N010-007-GY).....	11.09
27 29 00 00-1209	EA	10' Category 5E 350MHz Gray Cross-over Molded Cable RJ45M/M (Tripp Lite N010-010-GY).....	12.89
27 29 00 00-1210	EA	10' Category 5E 350MHz Molded Cross-over Cable (RJ45 M/M) Yellow (Tripp Lite N010-010-YW).....	12.89
27 29 00 00-1211	EA	25' Category 5E 350MHz Molded Cross-over Cable (RJ45 M/M) Yellow (Tripp Lite N010-025-YW).....	23.98
27 29 00 00-1212	EA	25' Category 5E 350MHz Gray Cable (Tripp Lite N017-025-GY).....	101.98
27 29 00 00-1213	EA	1,000' Category 5E 350MHz Bulk Stranded Polyvinyl Chloride (PVC) Cable (Tripp Lite N020-01K-GY).....	1,019.73
27 29 00 00-1214	EA	1,000' Category 5E 350MHz Bulk Solid Polyvinyl Chloride (PVC) Cable (Tripp Lite N022-01K-GY).....	689.81
27 29 00 00-1215	EA	1,000' Category 5E 350MHz Bulk Solid Plenum Cable (Tripp Lite N024-01K).....	1,919.47
27 29 00 00-1216	EA	1,000' Category 5E Outdoor Rated Polyvinyl Chloride (PVC) Bulk Cable (Tripp Lite N028-01K-GY).....	1,889.49
27 29 00 00-1217	EA	Category 5E RJ45 Modular Connector, Solid - 10 Pack (Tripp Lite N030-010).....	22.79
27 29 00 00-1218	EA	100PK RJ45 Plugs Round Solid Stranded Conductor 4-pair Category 5E Cable (Tripp Lite N030-100).....	131.96
27 29 00 00-1219	EA	100PK RJ45 Plugs for Flat Solid / Stranded Conductor Cable (Tripp Lite N030-100-FL).....	131.96
27 29 00 00-1220	EA	Category 5E RJ45 Modular Connector, Stranded - 50 Pack (Tripp Lite N031-050).....	56.99
27 29 00 00-1221	EA	Category 5E Modular Coupler Straight RJ45F/F (Tripp Lite N032-001).....	22.79
27 29 00 00-1222	EA	Modular Coupler Straight RJ45F/F (Tripp Lite N033-001).....	6.89
27 29 00 00-1223	EA	4-Port Keystone Faceplate for Category 6/5E Keystone Jacks TAA GSA (Tripp Lite N042-001-04-WH).....	7.50
27 29 00 00-1224	EA	White Keystone Faceplate; 2 Outlets (Tripp Lite N042-001-WH).....	6.00
27 29 00 00-1225	EA	Network Cable Tester (Category 5E/6, coax, Phone) RJ45(F)/RJ11(F) (Tripp Lite N044-000-R).....	191.96
27 29 00 00-1226	EA	Punch-Down Cable Installation Tool (Tripp Lite N046-000).....	119.96
27 29 00 00-1227	EA	Category 5E Wall Mount Patch Panel 568B - 12 Port (Tripp Lite N050-012).....	149.97
27 29 00 00-1228	EA	Category 5E Patch Panel 568B - 12 Port (Tripp Lite N052-012).....	167.95
27 29 00 00-1229	EA	Category 5E Patch Panel 568B - 24 Port (Tripp Lite N052-024).....	221.94
27 29 00 00-1230	EA	Category 5E Patch Panel 568B - 48 Port (Tripp Lite N052-048).....	419.88
27 29 00 00-1231	EA	Category 5E Feedthrough Patch Panel, 1U - 24 Port (Tripp Lite N054-024).....	1,049.71
27 29 00 00-1232	EA	Hinged Wall Mount Patch Panel Bracket - 2U (Tripp Lite N060-002).....	179.95
27 29 00 00-1233	EA	Hinged Wall Mount Patch Panel Bracket - 4U (Tripp Lite N060-004).....	227.94
27 29 00 00-1234	EA	7' Category 5E 350MHz Gray Molded Shielded Patch Cable, RJ45M/M (Tripp Lite N105-007-GY).....	22.79
27 29 00 00-1235	EA	10' Category 5E 350MHz Gray Molded Shielded Patch Cable, RJ45M/M (Tripp Lite N105-010-GY).....	26.98
27 29 00 00-1236	EA	25' Category 5E 350MHz Gray Molded Shielded Patch Cable, RJ45M/M (Tripp Lite N105-025-GY).....	49.79
27 29 00 00-1237	EA	50' Category 5E 350MHz Gray Molded Shielded Patch Cable, RJ45M/M (Tripp Lite N105-050-GY).....	81.58
27 29 00 00-1238	EA	100' Category 5E 350MHz Molded Gray Shielded Patch Cable RJ45M/M (Tripp Lite N105-100-GY).....	149.97
27 29 00 00-1239	EA	7' Category 6 Gigabit Molded Gray Shielded Patch Cable RJ45M/M (Tripp Lite N125-007-GY).....	30.90
27 29 00 00-1240	EA	10' Category 6 Gigabit Molded Gray Shielded Patch Cable RJ45M/M (Tripp Lite N125-010-GY).....	38.99
27 29 00 00-1241	EA	25' Category 6 Gigabit Molded Gray Shielded Patch Cable RJ45M/M (Tripp Lite N125-025-GY).....	80.97
27 29 00 00-1242	EA	50' Category 6 Gigabit Molded Gray Shielded Patch Cable RJ45M/M (Tripp Lite N125-050-GY).....	131.96
27 29 00 00-1243	EA	Category 3 25-Pair Telco Cable, RJ21 M to Open End (Tripp Lite N154-050-C3).....	257.93
27 29 00 00-1244	EA	1' Category 6 Gigabit Black Snagless Patch Cable RJ45 (Tripp Lite N201-001-BK).....	10.81
27 29 00 00-1245	EA	1' Category 6 Gigabit Blue Snagless Patch Cable RJ45 (Tripp Lite N201-001-BL).....	10.81
27 29 00 00-1246	EA	1' Category 6 Gigabit Gray Snagless Patch Cable RJ45 (Tripp Lite N201-001-GY).....	10.81
27 29 00 00-1247	EA	1' Category 6 Gigabit Red Snagless Patch Cable RJ45M/M (Tripp Lite N201-001-RD).....	10.81
27 29 00 00-1248	EA	1' Category 6 Gigabit White Snagless Patch Cable RJ45M/M (Tripp Lite N201-001-WH).....	10.81
27 29 00 00-1249	EA	1' Category 6 Gigabit Yellow Snagless Patch Cable RJ45 M/M Yellow (Tripp Lite N201-001-YW).....	10.81
27 29 00 00-1250	EA	2' Category 6 Gigabit Black Snagless Patch Cable RJ45 (Tripp Lite N201-002-BK).....	12.00
27 29 00 00-1251	EA	2' Category 6 Gigabit Blue Snagless Patch Cable (Tripp Lite N201-002-BL).....	12.00

27 Communications
27 20 Data Communications
27 29 Data Communications Network Systems

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

27 29 00 00-1252	EA	2' Category 6 Gigabit Gray Snagless Patch Cable RJ45 (Tripp Lite N201-002-GY).....	12.00
27 29 00 00-1253	EA	2' Category 6 Gigabit Red Snagless Patch Cable RJ45M/M (Tripp Lite N201-002-RD).....	12.00
27 29 00 00-1254	EA	2' Category 6 Gigabit White Snagless Patch Cable RJ45M/M (Tripp Lite N201-002-WH).....	12.00
27 29 00 00-1255	EA	2' Category 6 Gig Snagless Molded Patch Cable RJ45 M/M Yellow (Tripp Lite N201-002-YW).....	12.00
27 29 00 00-1256	EA	3' Category 6 Gigabit Black Snagless Patch Cable RJ45 (Tripp Lite N201-003-BK).....	13.50
27 29 00 00-1257	EA	3' Category 6 550MHz Blue Molded Snagless Patch Cable, RJ45M/M (Tripp Lite N201-003-BL).....	13.50
27 29 00 00-1258	EA	3' Category 6 Gigabit Green Snagless Patch Cable RJ45 (Tripp Lite N201-003-GN).....	13.50
27 29 00 00-1259	EA	3' Category 6 Gigabit Gray Snagless Patch Cable RJ45 (Tripp Lite N201-003-GY).....	13.50
27 29 00 00-1260	EA	3' Category 6 Gigabit Orange Snagless Patch Cable RJ45 (Tripp Lite N201-003-OR).....	13.50
27 29 00 00-1261	EA	3' Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M Purple (Tripp Lite N201-003-PU).....	13.50
27 29 00 00-1262	EA	3' Category 6 Gigabit Red Snagless Patch Cable RJ45M/M (Tripp Lite N201-003-RD).....	13.50
27 29 00 00-1263	EA	3' Category 6 Gigabit White Snagless Patch Cable RJ45M/M (Tripp Lite N201-003-WH).....	13.50
27 29 00 00-1264	EA	3' Category 6 Gigabit Yellow Snagless Patch Cable RJ45 (Tripp Lite N201-003-YW).....	13.50
27 29 00 00-1265	EA	4' Category 6 Gigabit Snagless Molded Patch Cable Blue (Tripp Lite N201-004-BL).....	14.39
27 29 00 00-1266	EA	4' Category 6 Gig Snagless Molded Patch Cable RJ45 M/M Yellow (Tripp Lite N201-004-YW).....	14.39
27 29 00 00-1267	EA	5' Category 6 Gigabit Black Snagless Patch Cable RJ45 (Tripp Lite N201-005-BK).....	16.79
27 29 00 00-1268	EA	5' Category 6 Gigabit Blue Snagless Patch Cable RJ45 (Tripp Lite N201-005-BL).....	16.79
27 29 00 00-1269	EA	5' Category 6 Gigabit Green Snagless Patch Cable RJ45 (Tripp Lite N201-005-GN).....	16.79
27 29 00 00-1270	EA	5' Category 6 Gigabit Gray Snagless Patch Cable RJ45 (Tripp Lite N201-005-GY).....	16.79
27 29 00 00-1271	EA	5' Category 6 Gigabit Orange Snagless Patch Cable RJ45 (Tripp Lite N201-005-OR).....	16.79
27 29 00 00-1272	EA	5' Category 6 Gigabit Red Snagless Patch Cable RJ45M/M (Tripp Lite N201-005-RD).....	16.79
27 29 00 00-1273	EA	5' Category 6 Gigabit White Snagless Patch Cable RJ45M/M (Tripp Lite N201-005-WH).....	16.79
27 29 00 00-1274	EA	5' Category 6 Gigabit Yellow Snagless Patch Cable RJ45 (Tripp Lite N201-005-YW).....	16.79
27 29 00 00-1275	EA	6' Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M Black (Tripp Lite N201-006-BK).....	18.00
27 29 00 00-1276	EA	6' Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M Blue (Tripp Lite N201-006-BL).....	18.00
27 29 00 00-1277	EA	6' Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M Green (Tripp Lite N201-006-GN).....	18.00
27 29 00 00-1278	EA	6' Category 6 Gigabit Snagless Molded Patch Cable Gray (Tripp Lite N201-006-GY).....	18.00
27 29 00 00-1279	EA	6' Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M Red (Tripp Lite N201-006-RD).....	18.00
27 29 00 00-1280	EA	6' Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M Yellow (Tripp Lite N201-006-YW).....	18.00
27 29 00 00-1281	EA	7' Category 6 Gigabit Black Snagless Patch Cable RJ45 (Tripp Lite N201-007-BK).....	18.90
27 29 00 00-1282	EA	7' Category 6 550MHz Blue Molded Snagless Patch Cable, RJ45M/M (Tripp Lite N201-007-BL).....	18.90
27 29 00 00-1283	EA	7' Category 6 Gigabit Green Snagless Patch Cable RJ45 (Tripp Lite N201-007-GN).....	18.90
27 29 00 00-1284	EA	7' Category 6 Gigabit Gray Snagless Patch Cable RJ45 (Tripp Lite N201-007-GY).....	18.90
27 29 00 00-1285	EA	7' Category 6 Gigabit Orange Snagless Patch Cable RJ45 (Tripp Lite N201-007-OR).....	18.90
27 29 00 00-1286	EA	7' Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M Purple (Tripp Lite N201-007-PU).....	18.90
27 29 00 00-1287	EA	7' Category 6 Gigabit Red Snagless Patch Cable RJ45M/M (Tripp Lite N201-007-RD).....	18.90
27 29 00 00-1288	EA	7' Category 6 Gigabit White Snagless Patch Cable RJ45M/M (Tripp Lite N201-007-WH).....	18.90
27 29 00 00-1289	EA	7' Category 6 Gigabit Yellow Snagless Patch Cable RJ45 (Tripp Lite N201-007-YW).....	18.90
27 29 00 00-1290	EA	10' Category 6 Gigabit Black Snagless Patch Cable RJ45 (Tripp Lite N201-010-BK).....	23.70
27 29 00 00-1291	EA	10' Category 6 550MHz Blue Molded Snagless Patch Cable, RJ45M/M (Tripp Lite N201-010-BL).....	23.70
27 29 00 00-1292	EA	10' Category 6 Gigabit Green Snagless Patch Cable RJ45 (Tripp Lite N201-010-GN).....	23.70
27 29 00 00-1293	EA	10' Category 6 Gigabit Gray Snagless Patch Cable RJ45 (Tripp Lite N201-010-GY).....	23.70
27 29 00 00-1294	EA	10' Category 6 Gigabit Orange Snagless Patch Cable RJ45 (Tripp Lite N201-010-OR).....	23.70
27 29 00 00-1295	EA	10' Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M Purple (Tripp Lite N201-010-PU).....	23.70
27 29 00 00-1296	EA	10' Category 6 Gigabit Red Snagless Patch Cable RJ45M/M (Tripp Lite N201-010-RD).....	23.70
27 29 00 00-1297	EA	10' Category 6 Gigabit White Snagless Patch Cable RJ45M/M (Tripp Lite N201-010-WH).....	23.70
27 29 00 00-1298	EA	10' Category 6 Gigabit Yellow Snagless Patch Cable RJ45 (Tripp Lite N201-010-YW).....	23.70
27 29 00 00-1299	EA	12' Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M Blue (Tripp Lite N201-012-BL).....	25.79
27 29 00 00-1300	EA	12' Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M Green (Tripp Lite N201-012-GN).....	25.79
27 29 00 00-1301	EA	14' Category 6 Gigabit Black Snagless Patch Cable RJ45 (Tripp Lite N201-014-BK).....	29.98
27 29 00 00-1302	EA	14' Category 6 Gigabit Blue Snagless Patch Cable RJ45 (Tripp Lite N201-014-BL).....	29.98
27 29 00 00-1303	EA	14' Category 6 Gigabit Green Snagless Patch Cable RJ45M/M (Tripp Lite N201-014-GN).....	29.98
27 29 00 00-1304	EA	14' Category 6 Gigabit Gray Snagless Patch Cable RJ45 (Tripp Lite N201-014-GY).....	29.98
27 29 00 00-1305	EA	14' Category 6 Gigabit Orange Snagless Patch Cable RJ45 (Tripp Lite N201-014-OR).....	29.98
27 29 00 00-1306	EA	14' Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M Purple (Tripp Lite N201-014-PU).....	29.98
27 29 00 00-1307	EA	14' Category 6 Gigabit Red Snagless Patch Cable RJ45M/M (Tripp Lite N201-014-RD).....	29.98
27 29 00 00-1308	EA	14' Category 6 Gigabit White Snagless Patch Cable RJ45M/M (Tripp Lite N201-014-WH).....	29.98
27 29 00 00-1309	EA	14' Category 6 Gigabit Yellow Snagless Patch Cable RJ45 (Tripp Lite N201-014-YW).....	29.98
27 29 00 00-1310	EA	15' Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M Black (Tripp Lite N201-015-BK).....	29.98
27 29 00 00-1311	EA	15' Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M Blue (Tripp Lite N201-015-BL).....	29.98
27 29 00 00-1312	EA	15' Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M Green (Tripp Lite N201-015-GN).....	29.98
27 29 00 00-1313	EA	15' Category 6 Gigabit Snagless Molded Patch Cable (RJ45 M/M) Gray (Tripp Lite N201-015-GY).....	29.98
27 29 00 00-1314	EA	15' Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M Red (Tripp Lite N201-015-RD).....	29.98
27 29 00 00-1315	EA	15' Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M White (Tripp Lite N201-015-WH).....	29.98
27 29 00 00-1316	EA	15' Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M YLW (Tripp Lite N201-015-YW).....	29.98
27 29 00 00-1317	EA	20' Category 6 Gigabit Black Snagless Patch Cable RJ45M/M (Tripp Lite N201-020-BK).....	35.99
27 29 00 00-1318	EA	20' Category 6 Gigabit Blue Snagless Patch Cable RJ45M/M (Tripp Lite N201-020-BL).....	35.99
27 29 00 00-1319	EA	20' Category 6 Gigabit Green Snagless Patch Cable RJ45M/M (Tripp Lite N201-020-GN).....	35.99
27 29 00 00-1320	EA	20' Category 6 Gigabit Gray Snagless Patch Cable RJ45M/M (Tripp Lite N201-020-GY).....	35.99
27 29 00 00-1321	EA	20' Category 6 Gigabit Orange Snagless Patch Cable RJ45M/M (Tripp Lite N201-020-OR).....	35.99
27 29 00 00-1322	EA	20' Category 6 Gigabit Red Snagless Patch Cable RJ45M/M (Tripp Lite N201-020-RD).....	35.99
27 29 00 00-1323	EA	20' Category 6 Gigabit White Snagless Patch Cable RJ45M/M (Tripp Lite N201-020-WH).....	35.99
27 29 00 00-1324	EA	20' Category 6 Gigabit Yellow Snagless Patch Cable RJ45M/M (Tripp Lite N201-020-YW).....	35.99
27 29 00 00-1325	EA	25' Category 6 Gigabit Black Snagless Patch Cable RJ45 (Tripp Lite N201-025-BK).....	41.99
27 29 00 00-1326	EA	25' Category 6 550MHz Blue Molded Snagless Patch Cable, RJ45M/M (Tripp Lite N201-025-BL).....	41.99
27 29 00 00-1327	EA	25' Category 6 Gigabit Blue Flat Snagless Patch Cable, RJ45 M/M (Tripp Lite N201-025-BL-FL).....	56.99
27 29 00 00-1328	EA	25' Category 6 Gigabit Green Snagless Patch Cable RJ45 (Tripp Lite N201-025-GN).....	41.99
27 29 00 00-1329	EA	25' Category 6 Gigabit Gray Snagless Patch Cable RJ45 (Tripp Lite N201-025-GY).....	41.99
27 29 00 00-1330	EA	25' Category 6 Gigabit Gray Snagless Patch Cable RJ45 (Tripp Lite N201-025-OR).....	41.99
27 29 00 00-1331	EA	25' Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M Purple (Tripp Lite N201-025-PU).....	41.99
27 29 00 00-1332	EA	25' Category 6 Gigabit Red Snagless Patch Cable RJ45M/M (Tripp Lite N201-025-RD).....	41.99
27 29 00 00-1333	EA	25' Category 6 Gigabit Red Snagless Patch Cable RJ45M/M (Tripp Lite N201-025-WH).....	41.99
27 29 00 00-1334	EA	25' Category 6 Gigabit Yellow Snagless Patch Cable RJ45 (Tripp Lite N201-025-YW).....	41.99
27 29 00 00-1335	EA	30' Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M Black (Tripp Lite N201-030-BK).....	48.29
27 29 00 00-1336	EA	30' Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M Blue (Tripp Lite N201-030-BL).....	48.29

Communications			27
Data Communications			27 20
Data Communications Network Systems			27 29
MINOR	TOTAL DIRECT	DEMOLITION	
CSI UOM DESCRIPTION	UNIT COST	UNIT COST	

27 29 00 00-1337	EA	30' Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M Gray (Tripp Lite N201-030-GY).....	48.29
27 29 00 00-1338	EA	35' Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M Blue (Tripp Lite N201-035-BL).....	55.80
27 29 00 00-1339	EA	50' Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M Black (Tripp Lite N201-050-BK).....	77.97
27 29 00 00-1340	EA	50' Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M Blue (Tripp Lite N201-050-BL).....	77.97
27 29 00 00-1341	EA	50' Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M Green (Tripp Lite N201-050-GN).....	77.97
27 29 00 00-1342	EA	50' Category 6 Gigabit Gray Snagless Patch Cable RJ45 (Tripp Lite N201-050-GY).....	77.97
27 29 00 00-1343	EA	50' Category 6 Gray Gigabit Plenum Snagless Patch Cable (Tripp Lite N201-050-GY-P).....	269.93
27 29 00 00-1344	EA	50' Category 6 Gigabit Red Snagless Patch Cable RJ45M/M (Tripp Lite N201-050-RD).....	77.97
27 29 00 00-1345	EA	50' Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M White (Tripp Lite N201-050-WH).....	77.97
27 29 00 00-1346	EA	50' Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M YLW (Tripp Lite N201-050-YW).....	77.97
27 29 00 00-1347	EA	75' Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M Gray (Tripp Lite N201-075-GY).....	113.96
27 29 00 00-1348	EA	100' Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M BLK (Tripp Lite N201-100-BK).....	155.95
27 29 00 00-1349	EA	100' Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M BLU (Tripp Lite N201-100-BL).....	155.95
27 29 00 00-1350	EA	100' Category 6 Gray Gigabit Plenum Snagless Patch Cable (Tripp Lite N201-100-GY-P).....	539.86
27 29 00 00-1351	EA	125' Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M PRP (Tripp Lite N201-125-PU).....	185.95
27 29 00 00-1352	EA	150' Category 6 Gigabit Snagless Molded Patch Cable RJ45 M/M PRP (Tripp Lite N201-150-PU).....	227.94
27 29 00 00-1353	EA	25' Category 6 Gigabit Solid Conductor Patch Cable (RJ45 M/M) Blue (Tripp Lite N202-025-BL).....	52.79
27 29 00 00-1354	EA	50' Category 6 Gigabit Solid Conductor Patch Cable (RJ45 M/M) Blue (Tripp Lite N202-050-BL).....	83.98
27 29 00 00-1355	EA	75' Category 6 Gigabit Solid Conductor Patch Cable (RJ45 M/M) Blue (Tripp Lite N202-075-BL).....	113.96
27 29 00 00-1356	EA	100' Category 6 Gigabit Solid Conductor Patch Cable (RJ45 M/M) Blue (Tripp Lite N202-100-BL).....	161.95
27 29 00 00-1357	EA	125' Category 6 Blue Solid Conductor 4 Pair Snagless Patch Cable (Tripp Lite N202-125-BL).....	191.96
27 29 00 00-1358	EA	150' Category 6 Gigabit Solid Conductor Patch Cable (RJ45 M/M) Blue (Tripp Lite N202-150-BL).....	233.94
27 29 00 00-1359	EA	175' Category 6 Gig Solid Conductor Patch Cable RJ45 M/M Blue (Tripp Lite N202-175-BL).....	263.93
27 29 00 00-1360	EA	200' Category 6 Gigabit Solid Conductor Patch Cable (RJ45 M/M) Blue (Tripp Lite N202-200-BL).....	311.92
27 29 00 00-1361	EA	3' Category 6 Gigabit Right Angle Dwn to Straight Patch Cable Blue (Tripp Lite N204-003-BL-DN).....	21.00
27 29 00 00-1362	EA	3' Category 6 Gigabit Left Angle to Straight Patch Cable Blue (Tripp Lite N204-003-BL-LA).....	21.00
27 29 00 00-1363	EA	3' Category 6 Gigabit Right Angle to Straight Patch Cable Blue (Tripp Lite N204-003-BL-RA).....	21.00
27 29 00 00-1364	EA	3' Category 6 Gigabit Up Angle to Straight Patch Cable Blue (Tripp Lite N204-003-BL-UP).....	21.00
27 29 00 00-1365	EA	5' Category 6 Gigabit Right Angle Dwn to Straight Patch Cable Blue (Tripp Lite N204-005-BL-DN).....	26.98
27 29 00 00-1366	EA	5' Category 6 Gigabit Left Angle to Straight Patch Cable Blue (Tripp Lite N204-005-BL-LA).....	26.98
27 29 00 00-1367	EA	5' Category 6 Gigabit Right Angle to Straight Patch Cable Blue (Tripp Lite N204-005-BL-RA).....	26.98
27 29 00 00-1368	EA	5' Category 6 Gigabit Up Angle to Straight Patch Cable Blue (Tripp Lite N204-005-BL-UP).....	26.98
27 29 00 00-1369	EA	10' Category 6 Gig Right Angle Down to Straight Patch Cable Blue (Tripp Lite N204-010-BL-DN).....	32.99
27 29 00 00-1370	EA	10' Category 6 Gigabit Left Angle to Straight Patch Cable Blue (Tripp Lite N204-010-BL-LA).....	32.99
27 29 00 00-1371	EA	10' Category 6 Gigabit Right Angle to Straight Patch Cable Blue (Tripp Lite N204-010-BL-RA).....	32.99
27 29 00 00-1372	EA	10' Category 6 Gigabit Up Angle to Straight Patch Cable Blue (Tripp Lite N204-010-BL-UP).....	32.99
27 29 00 00-1373	EA	7' Category 6 Gigabit Gray Cross-over Patch Cable RJ45M/M (Tripp Lite N210-007-GY).....	18.90
27 29 00 00-1374	EA	10' Category 6 Gigabit Gray Cross-over Patch Cable RJ45M/M (Tripp Lite N210-010-GY).....	23.70
27 29 00 00-1375	EA	1,000' Category 6 Gigabit Bulk Solid Blue Polyvinyl Chloride (PVC) Cable (Tripp Lite N222-01K-BL).....	1,109.68
27 29 00 00-1376	EA	1,000' Category 6 Gigabit Bulk Solid Gray Polyvinyl Chloride (PVC) Cable (Tripp Lite N222-01K-GY).....	1,109.68
27 29 00 00-1377	EA	1,000' Category 6 Gigabit Bulk Solid Plenum Cable (Tripp Lite N224-01K-GY).....	2,729.24
27 29 00 00-1378	EA	100PK Category 6 RJ45 Modular Connector Plug Solid / Stranded RND (Tripp Lite N230-100).....	239.92
27 29 00 00-1379	EA	Category 6 Straight-thru Snap-in Black Coupler - RJ45F/F (Tripp Lite N235-001).....	71.97
27 29 00 00-1380	EA	Category 6 Straight Modular In-Line Snap-In Coupler RJ45 F/F TAA GSA (Tripp Lite N235-001-SH).....	83.98
27 29 00 00-1381	EA	Category 6/5E Blue Wallplate Keystone Jack, Punch-Down/RJ45 F (Tripp Lite N238-001-BL).....	15.29
27 29 00 00-1382	EA	Category 6/5E Green Wallplate Keystone Jack, Punch-Down/RJ45 F (Tripp Lite N238-001-GN).....	15.29
27 29 00 00-1383	EA	Category 6/5E Red Wallplate Keystone Jack, Punch-Down/RJ45 F (Tripp Lite N238-001-RD).....	15.29
27 29 00 00-1384	EA	Category 6/5E White Wallplate Keystone Jack, Punch-Down/RJ45 F (Tripp Lite N238-001-WH).....	15.29
27 29 00 00-1385	EA	Category 6/5E 110 Style Punch Down Keystone Jack White TAA / GSA (Tripp Lite N238-001-WH-TF).....	21.00
27 29 00 00-1386	EA	Category 6/5E Yellow Wallplate Keystone Jack, Punch-Down/RJ45 F (Tripp Lite N238-001-YW).....	15.29
27 29 00 00-1387	EA	Category 6 Wall Mount Feedthrough Patch Panel -12 Port (Tripp Lite N250-012).....	215.94
27 29 00 00-1388	EA	24-Port Category 6/5E Low Profile Wallmount Patch Panel 1U TAA (Tripp Lite N250-024-LP).....	1,319.64
27 29 00 00-1389	EA	Category 6 Patch Panel 568B - 12 Port (Tripp Lite N252-012).....	209.94
27 29 00 00-1390	EA	Category 6 Patch Panel 568B - 24 Port (Tripp Lite N252-024).....	377.89
27 29 00 00-1391	EA	24-Port Category 6 0.5U RM Patch Panel 568A/B TAA / GSA (Tripp Lite N252-024-HU).....	689.81
27 29 00 00-1392	EA	24-Port Category 6 Keystone Type V-Shaped Patch Panel TAA / GSA (Tripp Lite N252-024-V).....	1,319.64
27 29 00 00-1393	EA	Category 6 Patch Panel 568B - 48 Port (Tripp Lite N252-048).....	719.79
27 29 00 00-1394	EA	Category 6 1U Patch Panel 568B - 110 Punchdown to RJ45 Female - 48 Port (Tripp Lite N252-048-1U).....	1,319.64
27 29 00 00-1395	EA	Category 6 Feedthrough Patch Panel, 1U - 24 Port (Tripp Lite N254-024).....	1,259.65
27 29 00 00-1396	EA	24-Port Shielded Category 6 Feed Through Patch Panel TAA GSA (Tripp Lite N254-024-SH).....	1,589.55
27 29 00 00-1397	EA	7' Augmented Category 6A Snagless 10G Aqua Certified Patch Cable RJ45 (Tripp Lite N261-007-AQ).....	41.99
27 29 00 00-1398	EA	14' Augmented Category 6A Snagless 10G Aqua Certified Patch Cable RJ45 (Tripp Lite N261-014-AQ).....	77.97
27 29 00 00-1399	EA	25' Augmented Category 6A Snagless 10G Aqua Certified Patch Cable RJ45 (Tripp Lite N261-025-AQ).....	119.96
27 29 00 00-1400	EA	10Gbps CX4 Cable - 1M(3') (Tripp Lite N263-01M).....	539.86
27 29 00 00-1401	EA	10Gb CX4 Cable, 2M (Tripp Lite N263-02M).....	599.83
27 29 00 00-1402	EA	10Gbps CX4 Cable - 3M (10') (Tripp Lite N263-03M).....	659.82
27 29 00 00-1403	EA	10Gb CX4 Cable, 5M (Tripp Lite N263-05M).....	869.76
27 29 00 00-1404	EA	10Gbps CX4 Cable - 20" (Tripp Lite N263-20I).....	515.85
27 29 00 00-1405	EA	T1 RJ48 Patch Cable - Straight - RJ45 M/M - 3ft (Tripp Lite N265-003).....	77.97
27 29 00 00-1406	EA	T1 RJ48 Patch Cable - Straight - RJ45 M/M - 5ft (Tripp Lite N265-005).....	89.98
27 29 00 00-1407	EA	T1 RJ48 Patch Cable - Straight - RJ45 M/M - 7ft (Tripp Lite N265-007).....	101.98
27 29 00 00-1408	EA	T1 RJ48 Patch Cable - Straight - RJ45 M/M - 10ft (Tripp Lite N265-010).....	119.96
27 29 00 00-1409	EA	T1 RJ48 Patch Cable - Crossover - RJ45 M/M - 3ft (Tripp Lite N266-003).....	77.97
27 29 00 00-1410	EA	T1 RJ48 Patch Cable - Crossover - RJ45 M/M - 5ft (Tripp Lite N266-005).....	89.98
27 29 00 00-1411	EA	T1 RJ48 Patch Cable - Crossover - RJ45 M/M - 7ft (Tripp Lite N266-007).....	101.98
27 29 00 00-1412	EA	T1 RJ48 Patch Cable - Crossover - RJ45 M/M - 10ft (Tripp Lite N266-010).....	119.96
27 29 00 00-1413	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable ST/ST - 1M (3') (Tripp Lite N302-003).....	36.53
27 29 00 00-1414	EA	Duplex Multimode 62.5/125 Fiber Patch Cable ST/ST - 6' (Tripp Lite N302-006).....	40.01
27 29 00 00-1415	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable ST/ST - 3M (10') (Tripp Lite N302-010).....	41.75
27 29 00 00-1416	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable ST/ST - 5M (16') (Tripp Lite N302-05M).....	52.19
27 29 00 00-1417	EA	Duplex Multimode 62.5/125 Fiber Patch Cbl ST/ST- 6M (20ft) (Tripp Lite N302-06M).....	48.71
27 29 00 00-1418	EA	Duplex Multimode 62.5/125 Fiber Patch Cbl ST/ST - 8M (25ft) (Tripp Lite N302-08M).....	62.62
27 29 00 00-1419	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable ST/ST - 10M (33') (Tripp Lite N302-10M).....	69.58
27 29 00 00-1420	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable ST/ST - 15M (50') (Tripp Lite N302-15M).....	83.50
27 29 00 00-1421	EA	Duplex Multimode 62.5/125 Fiber Patch Cbl ST/ST - 18M (60ft) (Tripp Lite N302-18M).....	86.98

27 Communications
27 20 Data Communications
27 29 Data Communications Network Systems

MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

27 29 00 00-1422	EA	Duplex Multimode 62.5/125 Fiber Patch Cbl ST/ST - 23M (75ft) (Tripp Lite N302-23M).....	104.37
27 29 00 00-1423	EA	Duplex Multimode 62.5/125 Fiber Patch Cbl ST/ST - 30M (100ft) (Tripp Lite N302-30M).....	139.16
27 29 00 00-1424	EA	50M Duplex Multimode Fiber 62.5/125 Patch Cable ST/ST 164ft (Tripp Lite N302-50M).....	222.66
27 29 00 00-1425	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable SC/ST - 1M (3') (Tripp Lite N304-003).....	34.79
27 29 00 00-1426	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable SC/ST - 1.2M (4') (Tripp Lite N304-004).....	33.05
27 29 00 00-1427	EA	Duplex Multimode 62.5/125 Fiber Patch Cable SC/ST - 6' (Tripp Lite N304-006).....	38.27
27 29 00 00-1428	EA	Duplex Multimode 62.5/125 Fiber Patch Cbl SC/ST - 2.4M (8ft) (Tripp Lite N304-008).....	38.27
27 29 00 00-1429	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable SC/ST - 3M (10') (Tripp Lite N304-010).....	41.75
27 29 00 00-1430	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable SC/ST - 7.5M (25') (Tripp Lite N304-025).....	52.19
27 29 00 00-1431	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable SC/ST - 5M (16') (Tripp Lite N304-05M).....	45.23
27 29 00 00-1432	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable SC/ST - 6M (20') (Tripp Lite N304-06M).....	48.71
27 29 00 00-1433	EA	Duplex Multimode 62.5/125 Fiber Patch Cbl SC/ST - 9M (30ft) (Tripp Lite N304-09M).....	55.66
27 29 00 00-1434	EA	Duplex Multimode 62.5/125 Fiber Patch Cbl SC/ST - 10M (30ft - 33ft) (Tripp Lite N304-10M).....	59.14
27 29 00 00-1435	EA	Duplex Multimode 62.5/125 Fiber Patch Cbl SC/ST - 11M (35ft) (Tripp Lite N304-11M).....	59.14
27 29 00 00-1436	EA	Duplex Multimode 62.5/125 Fiber Patch Cbl SC/ST - 15M (50ft) (Tripp Lite N304-15M).....	76.54
27 29 00 00-1437	EA	Duplex Multimode 62.5/125 Fiber Patch Cbl SC/ST - 23M (75ft) (Tripp Lite N304-23M).....	86.98
27 29 00 00-1438	EA	Duplex Multimode 62.5/125 Fiber Patch Cbl SC/ST - 30M (100ft) (Tripp Lite N304-30M).....	100.89
27 29 00 00-1439	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable SC/SC - 0.3M (1') (Tripp Lite N306-001).....	34.79
27 29 00 00-1440	EA	0.6m Duplex Multimode 62.5/125 Fiber Optic Patch Cable SC/SC (Tripp Lite N306-002).....	36.53
27 29 00 00-1441	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable SC/SC - 1M (3') (Tripp Lite N306-003).....	34.79
27 29 00 00-1442	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable SC/SC - 1.2M (4') (Tripp Lite N306-004).....	43.49
27 29 00 00-1443	EA	Duplex Multimode 62.5/125 Fiber Patch Cable SC/SC - 6' (Tripp Lite N306-006).....	38.27
27 29 00 00-1444	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable SC/SC - 3M (10') (Tripp Lite N306-010).....	41.75
27 29 00 00-1445	EA	Duplex Multimode 62.5/125 Fiber Patch Cbl SC/SC - 4M (13ft) (Tripp Lite N306-04M).....	45.23
27 29 00 00-1446	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable SC/SC - 5M (16') (Tripp Lite N306-05M).....	48.71
27 29 00 00-1447	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable SC/SC - 7M (23') (Tripp Lite N306-07M).....	55.66
27 29 00 00-1448	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable SC/SC - 8M (26') (Tripp Lite N306-08M).....	59.14
27 29 00 00-1449	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable SC/SC - 9M (30') (Tripp Lite N306-09M).....	62.62
27 29 00 00-1450	EA	100M Duplex Multimode Fiber 62.5/125 Patch Cable SC/SC 328ft (Tripp Lite N306-100M).....	330.51
27 29 00 00-1451	EA	Duplex Multimode 62.5/125 Fiber Patch Cbl SC/SC - 12M (40ft) (Tripp Lite N306-12M).....	73.06
27 29 00 00-1452	EA	Duplex Multimode 62.5/125 Fiber Patch Cbl SC/SC - 15M (50ft) (Tripp Lite N306-15M).....	86.98
27 29 00 00-1453	EA	Duplex Multimode 62.5/125 Fiber Patch Cbl SC/SC - 23M (75ft) (Tripp Lite N306-23M).....	104.37
27 29 00 00-1454	EA	Duplex Multimode 62.5/125 Fiber Patch Cbl SC/SC - 25M (80ft) (Tripp Lite N306-25M).....	114.81
27 29 00 00-1455	EA	Duplex Multimode 62.5/125 Fiber Patch Cbl SC/SC - 30M (100ft) (Tripp Lite N306-30M).....	128.72
27 29 00 00-1456	EA	Duplex Multimode 62.5/125 Fiber Patch Cbl SC/SC - 46M (150ft) (Tripp Lite N306-46M).....	156.56
27 29 00 00-1457	EA	Duplex Multimode 62.5/125 Fiber Patch Cbl SC/SC - 60M (200ft) (Tripp Lite N306-60M).....	219.18
27 29 00 00-1458	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable MTRJ/ST - 1M (3') (Tripp Lite N308-003).....	34.79
27 29 00 00-1459	EA	Duplex Multimode 62.5/125 Fiber Patch Cable MTRJ/ST - 6' (Tripp Lite N308-006).....	38.27
27 29 00 00-1460	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable MTRJ/ST - 3M (10') (Tripp Lite N308-010).....	41.75
27 29 00 00-1461	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable MTRJ/ST - 5M (16') (Tripp Lite N308-05M).....	45.23
27 29 00 00-1462	EA	Duplex Multimode 62.5/125 Fiber Patch Cbl MTRJ/ST - 8M (25ft) (Tripp Lite N308-08M).....	52.19
27 29 00 00-1463	EA	Duplex Multimode 62.5/125 Fiber Patch Cbl MTRJ/ST - 15M (50ft) (Tripp Lite N308-15M).....	69.58
27 29 00 00-1464	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable MTRJ/SC - 1M (3') (Tripp Lite N310-003).....	41.75
27 29 00 00-1465	EA	Duplex Multimode 62.5/125 Fiber Patch Cable MTRJ/SC - 6' (Tripp Lite N310-006).....	41.75
27 29 00 00-1466	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable MTRJ/SC - 3M (10') (Tripp Lite N310-010).....	45.23
27 29 00 00-1467	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable MTRJ/SC - 5M (16') (Tripp Lite N310-05M).....	48.71
27 29 00 00-1468	EA	Duplex Multimode 62.5/125 Fiber Patch Cbl MTRJ/SC - 8M (25ft) (Tripp Lite N310-08M).....	52.19
27 29 00 00-1469	EA	Duplex Multimode 62.5/125 Fiber Patch Cbl MTRJ/SC - 11M (35ft) (Tripp Lite N310-11M).....	59.14
27 29 00 00-1470	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable MTRJ/ST - 15M (50') (Tripp Lite N310-15M).....	73.06
27 29 00 00-1471	EA	Duplex Multimode 62.5/125 Fiber Patch Cbl MTRJ/SC - 30M (100ft) (Tripp Lite N310-30M).....	100.89
27 29 00 00-1472	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable MTRJ/MTRJ- 1M (3') (Tripp Lite N312-01M).....	38.27
27 29 00 00-1473	EA	Duplex Multimode 62.5/125 Fiber Patch Cable MTRJ/MTRJ - 2M (Tripp Lite N312-02M).....	41.75
27 29 00 00-1474	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable MTRJ/MTRJ- 3M (10') (Tripp Lite N312-03M).....	45.23
27 29 00 00-1475	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable MTRJ/MTRJ - 5M (15') (Tripp Lite N312-05M).....	48.71
27 29 00 00-1476	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable MTRJ/LC - 1M (3') (Tripp Lite N314-01M).....	55.66
27 29 00 00-1477	EA	Duplex Multimode 62.5/125 Fiber Patch Cable MTRJ/LC - 2M (Tripp Lite N314-02M).....	59.14
27 29 00 00-1478	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable MTRJ/LC - 3M (10') (Tripp Lite N314-03M).....	62.62
27 29 00 00-1479	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable MTRJ/LC - 5M (16') (Tripp Lite N314-05M).....	69.58
27 29 00 00-1480	EA	Duplex Multimode 62.5/125 Fiber Patch Cbl MTRJ/LC - 9M (30ft) (Tripp Lite N314-09M).....	73.06
27 29 00 00-1481	EA	Duplex Multimode 62.5/125 Fiber Patch Cbl MTRJ/LC - 15M (50ft) (Tripp Lite N314-15M).....	90.46
27 29 00 00-1482	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/SC - 1M (3') (Tripp Lite N316-01M).....	48.71
27 29 00 00-1483	EA	Duplex Multimode 62.5/125 Fiber Patch Cable LC/SC - 2M (Tripp Lite N316-02M).....	52.19
27 29 00 00-1484	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/SC - 3M (10') (Tripp Lite N316-03M).....	55.66
27 29 00 00-1485	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/SC - 4M (13') (Tripp Lite N316-04M).....	59.14
27 29 00 00-1486	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/SC - 5M (15') (Tripp Lite N316-05M).....	62.62
27 29 00 00-1487	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/SC - 6M (20') (Tripp Lite N316-06M).....	66.10
27 29 00 00-1488	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/SC - 7M (23') (Tripp Lite N316-07M).....	69.58
27 29 00 00-1489	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/SC - 10M (33') (Tripp Lite N316-10M).....	76.54
27 29 00 00-1490	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/SC - 13M (40') (Tripp Lite N316-13M).....	86.98
27 29 00 00-1491	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/SC - 15M (50') (Tripp Lite N316-15M).....	97.41
27 29 00 00-1492	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/SC - 20M (65') (Tripp Lite N316-20M).....	107.85
27 29 00 00-1493	EA	Duplex Multimode 62.5/125 Fiber Patch Cbl LC/SC - 21M (70ft) (Tripp Lite N316-21M).....	114.81
27 29 00 00-1494	EA	Duplex Multimode 62.5/125 Fiber Patch Cbl LC/SC - 25M (80ft) (Tripp Lite N316-25M).....	121.77
27 29 00 00-1495	EA	Duplex Multimode 62.5/125 Fiber Patch Cbl LC/SC - 30M (100ft) (Tripp Lite N316-30M).....	128.72
27 29 00 00-1496	EA	Duplex Multimode 62.5/125 Fiber Patch Cbl LC/SC - 76M (250ft) (Tripp Lite N316-76M).....	208.74
27 29 00 00-1497	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/ST - 1M (3') (Tripp Lite N318-01M).....	52.19
27 29 00 00-1498	EA	Duplex Multimode 62.5/125 Fiber Patch Cable LC/ST - 2M (Tripp Lite N318-02M).....	57.40
27 29 00 00-1499	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/ST - 3M (10') (Tripp Lite N318-03M).....	59.14
27 29 00 00-1500	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/ST - 5M (15') (Tripp Lite N318-05M).....	62.62
27 29 00 00-1501	EA	Duplex Multimode 62.5/125 Fiber Patch Cbl LC/ST - 6M (Tripp Lite N318-06M).....	66.10
27 29 00 00-1502	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/ST - 7M (23') (Tripp Lite N318-07M).....	69.58
27 29 00 00-1503	EA	Duplex Multimode 62.5/125 Fiber Patch Cbl LC/ST - 8M (25ft) (Tripp Lite N318-08M).....	73.06
27 29 00 00-1504	EA	Duplex Multimode 62.5/125 Fiber Patch Cbl LC/ST - 9M (30ft) (Tripp Lite N318-09M).....	76.54
27 29 00 00-1505	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/ST - 10M (33') (Tripp Lite N318-10M).....	83.50
27 29 00 00-1506	EA	Duplex Multimode 62.5/125 Fiber Patch Cbl LC/ST - 15M (50ft) (Tripp Lite N318-15M).....	97.41

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-1507	EA	Duplex Multimode 62.5/125 Fiber Patch Cbl LC/ST - 20M (65ft) (Tripp Lite N318-20M).....	107.85	
27 29 00 00-1508	EA	Duplex Multimode 62.5/125 Fiber Patch Cbl LC/ST - 30M (100ft) (Tripp Lite N318-30M).....	125.25	
27 29 00 00-1509	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/LC - 1' (Tripp Lite N320-001).....	57.40	
27 29 00 00-1510	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/LC - 1M (3') (Tripp Lite N320-01M).....	59.14	
27 29 00 00-1511	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/LC - 1M (3') (Tripp Lite N320-01M-RD).....	59.14	
27 29 00 00-1512	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/LC - 2M (6') (Tripp Lite N320-02M).....	62.62	
27 29 00 00-1513	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable(Red) LC/LC - 2M (6') (Tripp Lite N320-02M-RD).....	62.62	
27 29 00 00-1514	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/LC - 3M (10') (Tripp Lite N320-03M).....	66.10	
27 29 00 00-1515	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable(Red) LC/LC - 3M (10') (Tripp Lite N320-03M-RD).....	66.10	
27 29 00 00-1516	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/LC - 4M (13') (Tripp Lite N320-04M).....	69.58	
27 29 00 00-1517	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/LC - 5M (16') (Tripp Lite N320-05M).....	69.58	
27 29 00 00-1518	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable(Red) LC/LC - 5M (16') (Tripp Lite N320-05M-RD).....	69.58	
27 29 00 00-1519	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/LC - 6M (20') (Tripp Lite N320-06M).....	76.54	
27 29 00 00-1520	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/LC - 7M (23') (Tripp Lite N320-07M).....	80.02	
27 29 00 00-1521	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/LC - 10M (33') (Tripp Lite N320-10M).....	86.98	
27 29 00 00-1522	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable(Red) LC/LC - 10M (33') (Tripp Lite N320-10M-RD).....	83.50	
27 29 00 00-1523	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/LC - 15M (50') (Tripp Lite N320-15M).....	100.89	
27 29 00 00-1524	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable(Red) LC/LC - 15M (50') (Tripp Lite N320-15M-RD).....	93.93	
27 29 00 00-1525	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/LC - 20M (65') (Tripp Lite N320-20M).....	118.29	
27 29 00 00-1526	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable(Red) LC/LC - 20 (65') (Tripp Lite N320-20M-RD).....	111.33	
27 29 00 00-1527	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/LC - 21M (70') (Tripp Lite N320-21M).....	107.85	
27 29 00 00-1528	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/LC - 25M (80') (Tripp Lite N320-25M).....	132.20	
27 29 00 00-1529	EA	30M Duplex MMF 62.5/125 Patch Cable (LC/LC) 100ft (Tripp Lite N320-30M).....	153.08	
27 29 00 00-1530	EA	405ft Duplex Multimode Fiber 62.5/125 Patch Cable LC/LC 405' (Tripp Lite N320-405).....	521.86	
27 29 00 00-1531	EA	Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/LC - 46M (150') (Tripp Lite N320-46M).....	163.51	
27 29 00 00-1532	EA	61M Duplex Multimode Fiber 62.5/125 Patch Cable LC/LC 200ft (Tripp Lite N320-61M).....	494.02	
27 29 00 00-1533	EA	Duplex Singlemode 8.3/125 Fiber Patch Cbl ST/ST - 1M (3ft) (Tripp Lite N352-01M).....	59.14	
27 29 00 00-1534	EA	Duplex Singlemode 8.3/125 Fiber Optic Patch Cable ST/ST - 2M (6') (Tripp Lite N352-02M).....	62.62	
27 29 00 00-1535	EA	Duplex Singlemode 8.3/125 Fiber Patch Cbl ST/ST - 3M (10ft) (Tripp Lite N352-03M).....	66.10	
27 29 00 00-1536	EA	Duplex Singlemode 8.3/125 Fiber Patch Cbl ST/ST - 5M (15ft) (Tripp Lite N352-05M).....	73.06	
27 29 00 00-1537	EA	Duplex Singlemode 8.3/125 Fiber Patch Cbl ST/ST - 9M (30ft) (Tripp Lite N352-09M).....	76.54	
27 29 00 00-1538	EA	Duplex Singlemode 8.3/125 Fiber Patch Cbl ST/ST - 15M (50ft) (Tripp Lite N352-15M).....	93.93	
27 29 00 00-1539	EA	Duplex Singlemode 8.3/125 Fiber Optic Patch Cable SC/ST - 1M (3') (Tripp Lite N354-01M).....	66.10	
27 29 00 00-1540	EA	Duplex Singlemode 8.3/125 Fiber Optic Patch Cable SC/ST - 2M (6') (Tripp Lite N354-02M).....	69.58	
27 29 00 00-1541	EA	Duplex Singlemode 8.3/125 Fiber Optic Patch Cable SC/ST - 3M (10') (Tripp Lite N354-03M).....	73.06	
27 29 00 00-1542	EA	Duplex Singlemode 8.3/125 Fiber Patch Cable SC/ST - 5M (Tripp Lite N354-05M).....	80.02	
27 29 00 00-1543	EA	Duplex Singlemode 8.3/125 Fiber Patch Cbl SC/ST - 9M (30ft) (Tripp Lite N354-09M).....	90.46	
27 29 00 00-1544	EA	Duplex Singlemode 8.3/125 Fiber Patch Cbl SC/ST - 15M (50ft) (Tripp Lite N354-15M).....	104.37	
27 29 00 00-1545	EA	Duplex Singlemode 8.3/125 Fiber Patch Cable SC/SC - 1M (Tripp Lite N356-01M).....	73.06	
27 29 00 00-1546	EA	Duplex Singlemode 8.3/125 Fiber Optic Patch Cable SC/SC - 2M (6') (Tripp Lite N356-02M).....	76.54	
27 29 00 00-1547	EA	Duplex Singlemode 8.3/125 Fiber Optic Patch Cable SC/SC - 3M (10') (Tripp Lite N356-03M).....	80.02	
27 29 00 00-1548	EA	Duplex Singlemode 8.3/125 Fiber Patch Cbl SC/SC - 5M (15ft) (Tripp Lite N356-05M).....	86.98	
27 29 00 00-1549	EA	Duplex Singlemode 8.3/125 Fiber Patch Cbl SC/SC - 6M (20ft) (Tripp Lite N356-06M).....	86.98	
27 29 00 00-1550	EA	Duplex Singlemode 8.3/125 Fiber Optic Patch Cable SC/SC - 9M (30 ft.) (Tripp Lite N356-09M).....	97.41	
27 29 00 00-1551	EA	Duplex Singlemode 8.3/125 Fiber Patch Cbl SC/SC - 10M (Tripp Lite N356-10M).....	97.41	
27 29 00 00-1552	EA	Duplex Singlemode 8.3/125 Fiber Patch Cbl SC/SC - 15M (50ft) (Tripp Lite N356-15M).....	111.33	
27 29 00 00-1553	EA	Duplex Singlemode 8.3/125 Fiber Patch Cbl SC/SC - 30M (100ft) (Tripp Lite N356-30M).....	146.12	
27 29 00 00-1554	EA	Duplex Singlemode 8.3/125 Fiber Patch Cable LC/SC - 1M (Tripp Lite N366-01M).....	69.58	
27 29 00 00-1555	EA	Duplex Singlemode 8.3/125 Angle Polished Fiber Optic Patch Cable - 1m (3ft) (Tripp Lite N366-01M-AP).....	114.81	
27 29 00 00-1556	EA	Duplex Singlemode 8.3/125 Fiber Optic Patch Cable LC/SC - 2M (6') (Tripp Lite N366-02M).....	69.58	
27 29 00 00-1557	EA	Duplex Singlemode Fiber Patch Cable 8.3/125 LC to SC - APC 6ft (Tripp Lite N366-02M-AP).....	120.03	
27 29 00 00-1558	EA	Duplex Singlemode 8.3/125 Fiber Patch Cbl LC/SC - 3M (10ft) (Tripp Lite N366-03M).....	73.06	
27 29 00 00-1559	EA	Duplex Singlemode 8.3/125 Angle Polished Fiber Optic Patch Cable - 3m (10ft) (Tripp Lite N366-03M-AP).....	125.25	
27 29 00 00-1560	EA	Duplex Singlemode 8.3/125 Fiber Optic Patch Cable LC/SC - 5M (16') (Tripp Lite N366-05M).....	83.50	
27 29 00 00-1561	EA	Duplex Singlemode 8.3/125 Fiber Optic Patch Cable LC/SC - 10M (33') (Tripp Lite N366-10M).....	93.93	
27 29 00 00-1562	EA	Duplex Singlemode 8.3/125 Fiber Patch Cbl LC/SC - 15M (50ft) (Tripp Lite N366-15M).....	104.37	
27 29 00 00-1563	EA	Duplex Singlemode 8.3/125 Fiber Optic Patch Cable LC/SC - 25M (80') (Tripp Lite N366-25M).....	121.77	
27 29 00 00-1564	EA	Duplex Singlemode 8.3/125 Fiber Optic Patch Cable LC/ST - 1M (3') (Tripp Lite N368-01M).....	111.33	
27 29 00 00-1565	EA	Duplex Singlemode 8.3/125 Fiber Optic Patch Cable LC/ST - 2M (6') (Tripp Lite N368-02M).....	114.81	
27 29 00 00-1566	EA	3M Duplex Singlemode 8.3/125 Patch Cable LC/ST 10ft (Tripp Lite N368-03M).....	118.29	
27 29 00 00-1567	EA	Duplex Singlemode 8.3/125 Fiber Optic Patch Cable LC/ST - 5M (15') (Tripp Lite N368-05M).....	121.77	
27 29 00 00-1568	EA	Duplex Singlemode 8.3/125 Fiber Optic Plenum Rated Patch Cable LC/ST - 5m (16ft) (Tripp Lite N368-05M-P).....	208.74	
27 29 00 00-1569	EA	Duplex Singlemode 8.3/125 Fiber Optic Patch Cable LC/ST - 7M (23') (Tripp Lite N368-07M).....	125.25	
27 29 00 00-1570	EA	Duplex Singlemode 8.3/125 Fiber Optic Patch Cable LC/ST - 10M (33') (Tripp Lite N368-10M).....	132.20	
27 29 00 00-1571	EA	15M Duplex Singlemode 8.3/125 Patch Cable LC/ST 50ft (Tripp Lite N368-15M).....	146.12	
27 29 00 00-1572	EA	20M Duplex Singlemode 8.3/125 Patch Cable LC/ST 66ft (Tripp Lite N368-20M).....	156.56	
27 29 00 00-1573	EA	Duplex Singlemode 8.3/125 Fiber Optic Patch Cable LC/ST - 30M (100') (Tripp Lite N368-30M).....	173.95	
27 29 00 00-1574	EA	Duplex Singlemode 8.3/125 Fiber Patch Cbl LC/LC - 1M (3ft) (Tripp Lite N370-01M).....	100.89	
27 29 00 00-1575	EA	Duplex Singlemode 8.3/125 Fiber Optic Patch Cable LC/LC - 2M (6') (Tripp Lite N370-02M).....	104.37	
27 29 00 00-1576	EA	Duplex Singlemode 8.3/125 Fiber Patch Cbl LC/LC - 3M (10ft) (Tripp Lite N370-03M).....	107.85	
27 29 00 00-1577	EA	Duplex Singlemode 8.3/125 Fiber Optic Patch Cable LC/LC - 5M (16') (Tripp Lite N370-05M).....	114.81	
27 29 00 00-1578	EA	Duplex Singlemode 8.3/125 Fiber Patch Cbl LC/LC - 10M (30ft - 33ft) (Tripp Lite N370-10M).....	121.77	
27 29 00 00-1579	EA	15 Meter Duplex Singlemode Fiber Patch Cable 8.3/125 LC/LC 50ft (Tripp Lite N370-15M).....	128.72	
27 29 00 00-1580	EA	Duplex Singlemode 8.3/125 Fiber Optic Patch Cable LC/FC - 2M (6') (Tripp Lite N378-02M).....	104.37	
27 29 00 00-1581	EA	Fiber Optic Mode Conditioning patch cable ST-SC - 3M (Tripp Lite N420-03M).....	295.72	
27 29 00 00-1582	EA	Fiber Optic Mode Conditioning Patch Cable ST-LC - 1M (3') (Tripp Lite N422-01M).....	347.90	
27 29 00 00-1583	EA	Fiber Optic Mode Conditioning Patch Cable ST-LC - 2M (6') (Tripp Lite N422-02M).....	382.69	
27 29 00 00-1584	EA	Fiber Optic Mode Conditioning Patch Cable ST-LC - 3M (10') (Tripp Lite N422-03M).....	417.48	
27 29 00 00-1585	EA	Fiber Optic Mode Conditioning Patch Cable ST-LC - 10M (33') (Tripp Lite N422-10M).....	452.28	
27 29 00 00-1586	EA	Fiber Optic Mode Conditioning Patch Cable SC-LC - 1M (3') (Tripp Lite N424-01M).....	313.11	
27 29 00 00-1587	EA	Fiber Optic Mode Conditioning Patch Cable SC-LC - 4M (13') (Tripp Lite N424-04M).....	347.90	
27 29 00 00-1588	EA	Fiber Optic Mode Conditioning Patch Cable SC-LC - 5M (16') (Tripp Lite N424-05M).....	382.69	
27 29 00 00-1589	EA	Fiber Optic Mode Conditioning Patch Cable SC-SC - 2M (6') (Tripp Lite N426-02M).....	243.53	
27 29 00 00-1590	EA	Fiber Optic Mode Conditioning Patch Cable SC-SC - 3M (10') (Tripp Lite N426-03M).....	260.93	
27 29 00 00-1591	EA	Fiber Optic Mode Conditioning Patch Cable SC-SC - 5M (16') (Tripp Lite N426-05M).....	295.72	

27 Communications
27 20 Data Communications
27 29 Data Communications Network Systems

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

27 29 00 00-1592	EA	Duplex Multimode Fiber Coupler, SC/SC (Tripp Lite N452-000).....	27.83	
27 29 00 00-1593	EA	Duplex Multimode Fiber Coupler, LC/LC (Tripp Lite N455-000).....	27.83	
27 29 00 00-1594	EA	Dual Duplex Multimode Fiber Optic Coupler LC/LC (Tripp Lite N455-000-PM).....	27.83	
27 29 00 00-1595	EA	Duplex Singlemode Fiber Coupler, LC/LC (Tripp Lite N455-000-S).....	41.75	
27 29 00 00-1596	EA	Dual Duplex Singlemode Fiber Optic Coupler LC/LC (Tripp Lite N455-000-S-PM).....	41.75	
27 29 00 00-1597	EA	Duplex Multimode Fiber Coupler, SC/ST (Tripp Lite N456-000).....	27.83	
27 29 00 00-1598	EA	Duplex Multimode 50/125 Fiber Adapter, LC-M/ST-F, 1' (Tripp Lite N457-001-50).....	69.58	
27 29 00 00-1599	EA	Duplex Multimode 62.5/125 Fiber Adapter, LC-M/ST-F, 1' (Tripp Lite N457-001-62).....	76.54	
27 29 00 00-1600	EA	Duplex Multimode 50/125 Fiber Adapter, LC-M/SC-F, 1' (Tripp Lite N458-001-50).....	76.54	
27 29 00 00-1601	EA	Duplex Multimode 62.5/125 Fiber Adapter, LC-M/SC-F, 1' (Tripp Lite N458-001-62).....	76.54	
27 29 00 00-1602	EA	1ft Duplex SMF 8.3/125 Adapter LC-Male/SC-Female 1' (Tripp Lite N458-001-9).....	90.46	
27 29 00 00-1603	EA	Fiber Patch Panel, 1U, LC/LC - 16 Port (Tripp Lite N490-016-LCLC).....	487.07	
27 29 00 00-1604	EA	Fiber Patch Panel, 1U, MTRJ/MTRJ - 16 Port (Tripp Lite N490-016-MTRJ).....	417.48	
27 29 00 00-1605	EA	Fiber Patch Panel, 1U, SC/SC - 16 Port (Tripp Lite N490-016-SCSC).....	487.07	
27 29 00 00-1606	EA	Fiber Patch Panel, 1U, ST/SC - 16 Port (Tripp Lite N490-016-STSC).....	417.48	
27 29 00 00-1607	EA	Fiber Patch Panel, 1U, ST/ST - 16 Port (Tripp Lite N490-016-STST).....	487.07	
27 29 00 00-1608	EA	Duplex Multimode 50/125 Fiber Patch Cbl SC/ST - 2M (6ft - 7ft) (Tripp Lite N504-02M).....	48.71	
27 29 00 00-1609	EA	5M Duplex MMF 50/125 Patch Cable (SC/ST) 16ft (Tripp Lite N504-05M).....	62.62	
27 29 00 00-1610	EA	Multimode Duplex 50/125 Fiber Optic Patch Cable SC/SC - 1M (3') (Tripp Lite N506-01M).....	52.19	
27 29 00 00-1611	EA	Multimode Duplex 50/125 Fiber Patch Cable SC/SC - 2M (Tripp Lite N506-02M).....	59.14	
27 29 00 00-1612	EA	Multimode Duplex 50/125 Fibre Channel Patch Cable - SC/SC - 3M (Tripp Lite N506-03M).....	62.62	
27 29 00 00-1613	EA	Multimode Duplex 50/125 Fiber Optic Patch Cable SC/SC - 5M (16') (Tripp Lite N506-05M).....	69.58	
27 29 00 00-1614	EA	Multimode Duplex 50/125 Fiber Optic Patch Cable SC/SC - 9M (30') (Tripp Lite N506-09M).....	80.02	
27 29 00 00-1615	EA	Multimode Duplex 50/125 Fiber Optic Patch Cable SC/SC - 10M (33') (Tripp Lite N506-10M).....	83.50	
27 29 00 00-1616	EA	Multimode Duplex 50/125 Fiber Optic Patch Cable SC/SC - 15M (16') (Tripp Lite N506-15M).....	100.89	
27 29 00 00-1617	EA	Multimode Duplex 50/125 Fiber Optic Patch Cable SC/SC - 30M (98') (Tripp Lite N506-30M).....	149.60	
27 29 00 00-1618	EA	Multimode Duplex 50/125 Fiber Optic Patch Cable SC/SC - 50M (164') (Tripp Lite N506-50M).....	226.14	
27 29 00 00-1619	EA	Multimode Duplex 50/125 Fiber Optic Patch Cable MTRJ/LC - 3M (10') (Tripp Lite N514-03M).....	90.46	
27 29 00 00-1620	EA	Multimode Duplex 50/125 Fiber Optic Patch Cable LC/SC - 1M (3') (Tripp Lite N516-01M).....	62.62	
27 29 00 00-1621	EA	Multimode Duplex 50/125 Fiber Patch Cable LC/SC - 2M (Tripp Lite N516-02M).....	66.10	
27 29 00 00-1622	EA	Multimode Duplex 50/125 Fibre Channel Patch Cable - LC/SC - 3M (Tripp Lite N516-03M).....	69.58	
27 29 00 00-1623	EA	Multimode Duplex 50/125 Fiber Optic Patch Cable LC/SC - 5M (16') (Tripp Lite N516-05M).....	76.54	
27 29 00 00-1624	EA	Multimode Duplex 50/125 Fiber Optic Patch Cable LC/SC - 10M (33') (Tripp Lite N516-10M).....	97.41	
27 29 00 00-1625	EA	Multimode Duplex 50/125 Fiber Optic Patch Cable LC/SC - 15M (16') (Tripp Lite N516-15M).....	111.33	
27 29 00 00-1626	EA	Multimode Duplex 50/125 Fiber Optic Patch Cable LC/SC - 20M (65') (Tripp Lite N516-20M).....	128.72	
27 29 00 00-1627	EA	Multimode Duplex 50/125 Fiber Optic Patch Cable LC/SC - 30M (98') (Tripp Lite N516-30M).....	160.04	
27 29 00 00-1628	EA	Multimode Duplex 50/125 Fiber Optic Patch Cable LC/SC - 50M (164') (Tripp Lite N516-50M).....	233.10	
27 29 00 00-1629	EA	Duplex Multimode 50/125 Fiber Patch Cbl LC/ST - 1M (3ft) (Tripp Lite N518-01M).....	69.58	
27 29 00 00-1630	EA	Multimode Duplex 50/125 Fiber Optic Patch Cable LC/ST - 2M (6') (Tripp Lite N518-02M).....	73.06	
27 29 00 00-1631	EA	Duplex Multimode 50/125 Fiber Patch Cbl LC/ST - 3M (10ft) (Tripp Lite N518-03M).....	76.54	
27 29 00 00-1632	EA	Multimode Duplex 50/125 Fiber Optic Patch Cable LC/ST - 5M (16') (Tripp Lite N518-05M).....	80.02	
27 29 00 00-1633	EA	Multimode Duplex 50/125 Fiber Optic Patch Cable LC/ST - 10M (33') (Tripp Lite N518-10M).....	100.89	
27 29 00 00-1634	EA	Duplex Multimode 50/125 Fiber Patch Cbl LC/ST - 20M (65ft) (Tripp Lite N518-20M).....	132.20	
27 29 00 00-1635	EA	Multimode Duplex 50/125 Fiber Optic Patch Cable LC/LC - 1M (3') (Tripp Lite N520-01M).....	80.02	
27 29 00 00-1636	EA	Multimode Duplex 50/125 Fiber Patch Cable LC/LC - 2M (Tripp Lite N520-02M).....	83.50	
27 29 00 00-1637	EA	Multimode Duplex 50/125 Fibre Channel Patch Cable - LC/LC - 3M (Tripp Lite N520-03M).....	86.98	
27 29 00 00-1638	EA	Multimode Duplex 50/125 Fiber Patch Cbl LC/LC - 4M (Tripp Lite N520-04M).....	86.98	
27 29 00 00-1639	EA	Multimode Duplex 50/125 Fiber Optic Patch Cable LC/LC - 5M (16') (Tripp Lite N520-05M).....	97.41	
27 29 00 00-1640	EA	6 Meter Duplex Multimode Patch Cable 50/125 LC/LC 20ft (Tripp Lite N520-06M).....	100.89	
27 29 00 00-1641	EA	Multimode Duplex 50/125 Fiber Optic Patch Cable LC/LC - 7M (23') (Tripp Lite N520-07M).....	104.37	
27 29 00 00-1642	EA	8 Meter Duplex Multimode Fiber Patch Cable 50/125 LC/LC 8M (Tripp Lite N520-08M).....	107.85	
27 29 00 00-1643	EA	Multimode Duplex 50/125 Fiber Optic Patch Cable LC/LC - 100M (330') (Tripp Lite N520-100M).....	452.28	
27 29 00 00-1644	EA	Multimode Duplex 50/125 Fiber Optic Patch Cable LC/LC - 10M (33') (Tripp Lite N520-10M).....	114.81	
27 29 00 00-1645	EA	Multimode Duplex 50/125 Fiber Optic Patch Cable LC/LC - 10M (39 ft.) (Tripp Lite N520-12M).....	121.77	
27 29 00 00-1646	EA	Multimode Duplex 50/125 Fiber Optic Patch Cable LC/LC - 152M (500') (Tripp Lite N520-152M).....	869.76	
27 29 00 00-1647	EA	Multimode Duplex 50/125 Fiber Optic Patch Cable LC/LC - 15M (16') (Tripp Lite N520-15M).....	139.16	
27 29 00 00-1648	EA	Multimode Duplex 50/125 Fiber Optic Patch Cable LC/LC - 20M (65') (Tripp Lite N520-20M).....	156.56	
27 29 00 00-1649	EA	Multimode Duplex 50/125 Fiber Optic Patch Cable LC/LC - 25M (16') (Tripp Lite N520-25M).....	173.95	
27 29 00 00-1650	EA	Multimode Duplex 50/125 Fiber Optic Patch Cable LC/LC - 30M (98') (Tripp Lite N520-30M).....	191.35	
27 29 00 00-1651	EA	30M Duplex MMF 50/125 Plenum Patch Cable LC/LC 100ft (Tripp Lite N520-30M-P).....	445.32	
27 29 00 00-1652	EA	35M Duplex MMF 50/125 Patch Cable 115' LC/LC 115ft (Tripp Lite N520-35M).....	208.74	
27 29 00 00-1653	EA	Multimode Duplex 50/125 Fiber Optic Patch Cable LC/LC - 50M (164') (Tripp Lite N520-50M).....	260.93	
27 29 00 00-1654	EA	5m Duplex Multimode 50/125 Fiber Patch Cable MTP/MTP (Tripp Lite N546-05M).....	469.67	
27 29 00 00-1655	EA	10m Duplex Multimode 50/125 Fiber Patch Cable MTP/MTP (Tripp Lite N546-10M).....	556.65	
27 29 00 00-1656	EA	15m Duplex Multimode 50/125 Fiber Patch Cable MTP/MTP (Tripp Lite N546-15M).....	626.23	
27 29 00 00-1657	EA	20m Duplex Multimode 50/125 Fiber Patch Cable MTP/MTP (Tripp Lite N546-20M).....	695.81	
27 29 00 00-1658	EA	30m Duplex Multimode 50/125 Fiber Patch Cable MTP/MTP (Tripp Lite N546-30M).....	800.18	
27 29 00 00-1659	EA	50m Duplex Multimode 50/125 Fiber Patch Cable MTP/MTP (Tripp Lite N546-50M).....	1,148.08	
27 29 00 00-1660	EA	1000ft Bulk Duplex Multimode 62.5/125 Fiber Patch Cable Orange (Tripp Lite N549-01K).....	800.18	
27 29 00 00-1661	EA	External Multimode Media Converter 10/100 FX/TX SC/RJ45, 2km, 1300nm (Tripp Lite N784-001-SC).....	260.93	
27 29 00 00-1662	EA	External Multimode Media Converter 10/100 FX/TX ST/RJ45, 2km, 1300nm (Tripp Lite N784-001-ST).....	260.93	
27 29 00 00-1663	EA	External Multimode Media Converter 10/100/1000 FX/TX SC/RJ45, 2km, 1300nm (Tripp Lite N785-001-SC).....	504.46	
27 29 00 00-1664	EA	10Gb Duplex Multimode 50/125 LSZH Aqua Fiber Patch Cbl SC/SC - 1M (3ft) (Tripp Lite N806-01M).....	66.10	
27 29 00 00-1665	EA	10Gb Duplex Multimode 50/125 LSZH Aqua Fiber Patch Cbl SC/SC - 2M (6ft - 7ft) (Tripp Lite N806-02M).....	73.06	
27 29 00 00-1666	EA	10Gb Multimode 50/125 Duplex LSZH Aqua Fiber Patch Cable SC/SC - 3M (Tripp Lite N806-03M).....	80.02	
27 29 00 00-1667	EA	10Gb Duplex Multimode 50/125 LSZH Aqua Fiber Patch Cbl SC/SC - 5M (15ft) (Tripp Lite N806-05M).....	90.46	
27 29 00 00-1668	EA	10Gb Multimode Duplex 50/125 LSZH Aqua Fiber Patch Cable SC/SC - 10M (33') (Tripp Lite N806-10M).....	125.25	
27 29 00 00-1669	EA	10Gb Multimode Duplex 50/125 LSZH Aqua Fiber Patch Cable SC/SC - 15M (16') (Tripp Lite N806-15M).....	170.47	
27 29 00 00-1670	EA	10Gb Duplex Multimode 50/125 LSZH Aqua Fiber Patch Cbl LC/SC - 1M (3ft) (Tripp Lite N816-01M).....	86.98	
27 29 00 00-1671	EA	10Gb Multimode Duplex 50/125 LSZH Aqua Fiber Patch Cable LC/SC - 2M (6') (Tripp Lite N816-02M).....	93.93	
27 29 00 00-1672	EA	10Gb Multimode 50/125 Duplex LSZH Aqua Fiber Patch Cable LC/SC - 3M (Tripp Lite N816-03M).....	100.89	
27 29 00 00-1673	EA	10Gb Multimode Duplex 50/125 LSZH Aqua Fiber Patch Cable LC/SC - 5M (16') (Tripp Lite N816-05M).....	114.81	
27 29 00 00-1674	EA	10Gb Multimode Duplex 50/125 LSZH Aqua Fiber Patch Cable LC/SC - 10M (33') (Tripp Lite N816-10M).....	153.08	
27 29 00 00-1675	EA	10Gb Multimode Duplex 50/125 LSZH Aqua Fiber Patch Cable LC/SC - 15M (16') (Tripp Lite N816-15M).....	198.31	
27 29 00 00-1676	EA	10Gb Duplex Multimode 50/125 LSZH Aqua Fiber Patch Cbl LC/ST - 1M (3ft) (Tripp Lite N818-01M).....	93.93	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-1677	EA	10Gb Duplex Multimode 50/125 LSZH Aqua Fiber Patch Cbl LC/ST - 2M (6ft - 7ft) (Tripp Lite N818-02M).....	104.37	
27 29 00 00-1678	EA	10Gb Duplex Multimode 50/125 LSZH Aqua Fiber Patch Cbl LC/ST - 3M (10ft) (Tripp Lite N818-03M).....	111.33	
27 29 00 00-1679	EA	10Gb Duplex Multimode 50/125 LSZH Aqua Fiber Patch Cbl LC/ST - 5M (15ft) (Tripp Lite N818-05M).....	128.72	
27 29 00 00-1680	EA	10Gb Duplex Multimode 50/125 LSZH Aqua Fiber Patch Cbl LC/ST - 10M (30ft - 33ft) (Tripp Lite N818-10M).....	166.99	
27 29 00 00-1681	EA	10Gb Multimode Duplex 50/125 LSZH Aqua Fiber Patch Cable LC/LC - 1M (3') (Tripp Lite N820-01M).....	90.46	
27 29 00 00-1682	EA	1M 40/100Gb MMF 50/125 OM4 LSZH Patch Cable LC/LC Aqua 3' (Tripp Lite N820-01M-OM4).....	118.29	
27 29 00 00-1683	EA	10Gb Duplex Multimode 50/125 LSZH Aqua Fiber Patch Cbl LC/LC - 2M (6ft - 7ft) (Tripp Lite N820-02M).....	97.41	
27 29 00 00-1684	EA	2M 40/100Gb MMF 50/125 OM4 LSZH Patch Cable LC/LC Aqua 6' (Tripp Lite N820-02M-OM4).....	132.20	
27 29 00 00-1685	EA	10Gb Multimode50/125 Duplex LSZH Aqua Fiber Patch Cable LC/LC - 3M (Tripp Lite N820-03M).....	104.37	
27 29 00 00-1686	EA	3M 40/100Gb MMF 50/125 OM4 LSZH Patch Cable LC/LC Aqua 10' (Tripp Lite N820-03M-OM4).....	149.60	
27 29 00 00-1687	EA	10Gb Multimode Duplex 50/125 LSZH Aqua Fiber Patch Cable LC/LC - 5M (16') (Tripp Lite N820-05M).....	114.81	
27 29 00 00-1688	EA	5M 40/100Gb MMF 50/125 OM4 LSZH Patch Cable LC/LC Aqua 16' (Tripp Lite N820-05M-OM4).....	177.43	
27 29 00 00-1689	EA	6M 10Gb Duplex MMF OM3 50/125 LSZH Patch Cable LC/LC Aqua 20ft (Tripp Lite N820-06M).....	118.29	
27 29 00 00-1690	EA	7M 10Gb Duplex MMF OM3 50/125 LSZH Patch Cable LC/LC Aqua 23ft (Tripp Lite N820-07M).....	121.77	
27 29 00 00-1691	EA	8M 10Gb Duplex Fiber OM3 50/125 LSZH Patch Cable LC/LC Aqua 26ft (Tripp Lite N820-08M).....	128.72	
27 29 00 00-1692	EA	10Gb Multimode Duplex 50/125 LSZH Aqua Fiber Patch Cable LC/LC - 10M (33') (Tripp Lite N820-10M).....	139.16	
27 29 00 00-1693	EA	10M 40/100Gb MMF 50/125 OM4 LSZH Patch Cable LC/LC Aqua 33' (Tripp Lite N820-10M-OM4).....	257.45	
27 29 00 00-1694	EA	10Gb Multimode Duplex 50/125 LSZH Aqua Fiber Patch Cable LC/LC - 15M (16') (Tripp Lite N820-15M).....	180.91	
27 29 00 00-1695	EA	10Gb Multimode Duplex 50/125 LSZH Aqua Fiber Patch Cable LC/LC - 20M (65') (Tripp Lite N820-20M).....	215.70	
27 29 00 00-1696	EA	10Gb Multimode Duplex 50/125 LSZH Aqua Fiber Patch Cable LC/LC - 25M (80') (Tripp Lite N820-25M).....	243.53	
27 29 00 00-1697	EA	30M 10Gb Duplex Fiber OM3 50/125 LSZH Patch Cable LC/LC Aqua 100ft (Tripp Lite N820-30M).....	271.37	
27 29 00 00-1698	EA	35M 10Gb Duplex Fiber OM3 50/125 LSZH Patch Cable LC/LC Aqua 115ft (Tripp Lite N820-35M).....	313.11	
27 29 00 00-1699	EA	10Gb Multimode Duplex 50/125 LSZH Aqua Fiber Patch Cable LC/LC - 50M (165') (Tripp Lite N820-50M).....	382.69	
27 29 00 00-1700	EA	1M 10G Duplex MMF 50/125 OM3 Fiber Cable Mini-LC / LC Aqua 3' (Tripp Lite N836-01M).....	90.46	
27 29 00 00-1701	EA	2M 10G Duplex MMF 50/125 OM3 Fiber Cable Mini-LC / LC Aqua 6' (Tripp Lite N836-02M).....	97.41	
27 29 00 00-1702	EA	3M 10G Duplex MMF 50/125 OM3 Fiber Cable Mini-LC / LC Aqua 10' (Tripp Lite N836-03M).....	104.37	
27 29 00 00-1703	EA	5M 10G Duplex MMF 50/125 OM3 Fiber Cable Mini-LC / LC Aqua 16' (Tripp Lite N836-05M).....	114.81	
27 29 00 00-1704	EA	10M 10G Duplex MMF 50/125 OM3 Fiber Cable Mini-LC / LC Aqua 33' (Tripp Lite N836-10M).....	139.16	
27 29 00 00-1705	EA	1M 10G Duplex MMF 50/125 OM3 Fiber Cable Mini-LC Mini-LC Aqua 3' (Tripp Lite N838-01M).....	90.46	
27 29 00 00-1706	EA	2M 10G Duplex MMF 50/125 OM3 Fiber Cable Mini-LC Mini-LC Aqua 6' (Tripp Lite N838-02M).....	97.41	
27 29 00 00-1707	EA	3M 10G Dup MMF 50/125 OM3 Fiber Cable Mini-LC Mini-LC Aqua 10' (Tripp Lite N838-03M).....	104.37	
27 29 00 00-1708	EA	5M 10G Dup MMF 50/125 OM3 Fiber Cable Mini-LC Mini-LC Aqua 16' (Tripp Lite N838-05M).....	114.81	
27 29 00 00-1709	EA	10M 10G Dup MMF 50/125 OM3 Fiber Cable Mini-LC Mini-LC Aqua 33' (Tripp Lite N838-10M).....	139.16	
27 29 00 00-1710	EA	10M MTP / MPO Patch Cable 12 Fiber 40GbE Aqua OM3 Plenum 33ft (Tripp Lite N844-01M-12-P).....	521.86	
27 29 00 00-1711	EA	2M MTP / MPO Patch Cable 12 Fiber 40GbE Aqua OM3 Plenum 6ft (Tripp Lite N844-02M-12-P).....	556.65	
27 29 00 00-1712	EA	2M Fan-out Cable MTP / MPO to 8 x LC 40GbE OM3 Plenum 6ft (Tripp Lite N844-02M-8LC-P).....	556.65	
27 29 00 00-1713	EA	3M MTP / MPO Patch Cable 12 Fiber 40GbE Aqua OM3 Plenum 10ft (Tripp Lite N844-03M-12-P).....	591.44	
27 29 00 00-1714	EA	3M Fan-out Cable MTP / MPO to 8 x LC 40GbE OM3 Plenum 10ft (Tripp Lite N844-03M-8LC-P).....	591.44	
27 29 00 00-1715	EA	5M MTP / MPO Patch Cable 12 Fiber 40GbE Aqua OM3 Plenum 16ft (Tripp Lite N844-05M-12-P).....	661.02	
27 29 00 00-1716	EA	5M Fan-out Cable MTP / MPO to 8 x LC 40GbE OM3 Plenum 16ft (Tripp Lite N844-05M-8LC-P).....	661.02	
27 29 00 00-1717	EA	10M MTP / MPO Patch Cable 12 Fiber 40GbE Aqua OM3 Plenum 33ft (Tripp Lite N844-10M-12-P).....	834.97	
27 29 00 00-1718	EA	1M MTP / MPO Patch Cable 24 Fiber 100GbE Aqua OM3 Plenum 3ft (Tripp Lite N846-01M-24-P).....	939.34	
27 29 00 00-1719	EA	2M MTP / MPO Patch Cable 24 Fiber 100GbE Aqua OM3 Plenum 6ft (Tripp Lite N846-02M-24-P).....	1,008.92	
27 29 00 00-1720	EA	5M MTP / MPO Patch Cable 24 Fiber 100GbE Aqua OM3 Plenum 16ft (Tripp Lite N846-05M-24-P).....	1,182.87	
27 29 00 00-1721	EA	10M MTP / MPO Patch Cable 24 Fiber 100GbE Aqua OM3 Plenum 33ft (Tripp Lite N846-10M-24-P).....	1,530.78	
27 29 00 00-1722	EA	Messenger Notebook Brief. Includes removable cell phone case. (Tripp Lite NB1000GY).....	109.59	
27 29 00 00-1723	EA	Profile Notebook Brief. (Tripp Lite NB1001BK).....	147.86	
27 29 00 00-1724	EA	Slim-Line Professional Brief. (Tripp Lite NB1002OL).....	201.78	
27 29 00 00-1725	EA	Traditional Notebook Case. (Tripp Lite NB1003BK).....	201.78	
27 29 00 00-1726	EA	Executive Notebook Case. (Tripp Lite NB1004BK).....	295.72	
27 29 00 00-1727	EA	Corporate Top-Load Notebook Case. (Tripp Lite NB1005BK).....	333.99	
27 29 00 00-1728	EA	Messenger Notebook Bag. (Tripp Lite NB1094GY).....	187.87	
27 29 00 00-1729	EA	Notebook Cooling Pad. Includes two built-in cooling pads. (Tripp Lite NC2003SR).....	78.28	
27 29 00 00-1730	EA	Articulating Notebook Arm. Adjustable to accommodate any position. (Tripp Lite NS2002BK).....	205.26	
27 29 00 00-1731	EA	1050VA UPS System OmniSmart Tower Line-Interactive 120V 6 Outlet - 1050 VA, 1 USB, AVR LED (Tripp Lite OMNI SMT1050PNP).....	986.31	
27 29 00 00-1732	EA	1400VA UPS System OmniSmart Tower Line-Interactive 120V 6 Outlet - 1400 VA, 1 USB, AVR LED (Tripp Lite OMNI SMT1400PNP).....	1,397.27	
27 29 00 00-1733	EA	300VA UPS System OmniSmart Tower Line-Interactive 120V 3 Outlet - 300 VA, 1 USB, Modem/Fax Protection (Tripp Lite OMNI SMT300PNP).....	414.88	
27 29 00 00-1734	EA	500VA UPS System OmniSmart Tower Line-Interactive 120V 6 Outlet - 500 VA, 1 USB, Modem/Fax Protection (Tripp Lite OMNI SMT500PNP).....	591.00	
27 29 00 00-1735	EA	700VA UPS System OmniSmart Tower Line-Interactive 120V 6 Outlet - 700 VA, 1 USB, Modem/Fax/Ethernet Protection (Tripp Lite OMNI SMT700PNP).....	778.87	
27 29 00 00-1736	EA	1000VA UPS System OMNI Full Line Isolation Towers AVR Line-Interactive 120V 6 Outlet - 1000 VA, 1 USB (Tripp Lite OMNI1000ISO).....	1,365.96	
27 29 00 00-1737	EA	1500VA UPS Omni Smart LCD USB RJ45 120V 5-15R 8 Outlet 2U RM (Tripp Lite OMNI1500LCD).....	700.59	
27 29 00 00-1738	EA	1500VA NAFTA Omni Ext Run Line-Int UPS Tower 8 outlets (Tripp Lite OMNI1500XLNAFTA).....	1,025.45	
27 29 00 00-1739	EA	300VA NAFTA Omni Smart Line-Int UPS Tower 3 outlets (Tripp Lite OMNI300NAFTA).....	450.10	
27 29 00 00-1740	EA	500VA UPS System OMNI Full Line Isolation Towers AVR Line-Interactive 120V 6 Outlet - 500 VA, 1 USB (Tripp Lite OMNI500ISO).....	712.33	
27 29 00 00-1741	EA	650VA UPS System OmniSmart Rack/Shelf/Tower Digital LCD Line-Interactive 120V 8 Outlet - 650 VA, 1 USB (Tripp Lite OMNI650LCD).....	410.96	
27 29 00 00-1742	EA	750VA UPS System OMNI Full Line Isolation Towers AVR Line-Interactive 120V 6 Outlet - 750 VA, 1 USB (Tripp Lite OMNI750ISO).....	1,205.49	
27 29 00 00-1743	EA	900VA UPS System OmniSmart Rack/Shelf/Tower Digital LCD Line-Interactive 120V 8 Outlet - 900 VA, 1 USB (Tripp Lite OMNI900LCD).....	450.10	
27 29 00 00-1744	EA	330VA UPS System OmniSmart Hospital Grade Tower Line-Interactive 120V 4 Outlet - 330 VAUL 60601-1 Listed, 1 Basic Comm Port, 2 Line Modem/Fax Protection (Tripp Lite OMNISMA330H).....	1,282.90	
27 29 00 00-1745	EA	1000VA UPS System OMNI VS Tower Line-Interactive 120V 8 Outlet - 1000 VA, 1 USB, Modem/Fax Protection (Tripp Lite OMNI VS1000).....	477.50	
27 29 00 00-1746	EA	1500VA UPS System OMNI VS Tower Line-Interactive 120V 8 Outlet - 1500 VA, 1 USB, Modem/Fax/Ethernet Protection (Tripp Lite OMNI VS1500).....	712.33	
27 29 00 00-1747	EA	1500VA UPS System OMNI VS Tower Extended Run Line-Interactive 120 Volt 8 Outlet - 1500 VA 1 USB, Modem/Fax/Ethernet Protection (Tripp Lite OMNI VS1500XL).....	790.61	
27 29 00 00-1748	EA	Note: Use BP24V14 or BP24V34 for Extended Run TAA Compliant 1500VA UPS Omni VS Tower Ext Run 8 outlets (Tripp Lite OMNI VS1500XLTA).....	880.63	

27 Communications
27 20 Data Communications
27 29 Data Communications Network Systems

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
27 29 00 00-1749	EA	800VA UPS System OmniVS Tower Line-Interactive 120V 7 Outlet - 800 VA, 1 USB, Modem/Fax Protection (Tripp Lite OMNIVS800).....	446.19		
27 29 00 00-1750	EA	1000VA International UPS System OmniSmart Tower VS Line-Interactive 230V 6 Outlet - 1000 VA 1 USB, Modem/Fax Protection (Tripp Lite OMNIVSINT1000).....	838.67		
27 29 00 00-1751	EA	1500VA International UPS System OmniSmart Tower VS Extended Run Line-Interactive 230 Volt 8 Outlet - 1500 VA 1 USB, Modem/Fax/Network Protection (Tripp Lite OMNIVSINT1500XL).....	1,041.10		
Note: Use BP24V14 or BP24V34 for Extended Run					
27 29 00 00-1752	EA	800VA International UPS System OmniSmart Tower VS Line-Interactive 230V 4 Outlet - 800 VA 1 USB, Modem/Fax Protection (Tripp Lite OMNIVSINT800).....	607.31		
27 29 00 00-1753	EA	TAA Compliant 1500VA Intl UPS Omni Smart Tower 8 outlets 230V (Tripp Lite OMNIX1500XLTAA).....	1,264.20		
27 29 00 00-1754	EA	350VA Intl UPS Omni Smart Line-Interactive 230V 6 outlets Hospital Grade (Tripp Lite OMNIX350HG).....	1,282.90		
27 29 00 00-1755	EA	Power Converter Cable - PC Plug (IEC-320-C14) to AC Rec (NEMA 5-15R) - 2' (Tripp Lite P002-002).....	15.59		
27 29 00 00-1756	EA	AC Power Extension Cable, C14 to Left-Angle C13, 100-250V, 10A, 18Awg, SJT - 2 ft. (Tripp Lite P004-002-13LA).....	18.00		
27 29 00 00-1757	EA	AC Power Extension Cable, C14 to Right-Angle C13, 100-250V, 10A, 18Awg, SJT - 2 ft. (Tripp Lite P004-002-13RA).....	18.00		
27 29 00 00-1758	EA	AC Power Cable (IEC-320-C14 - IEC-320-C13) - 2' (Tripp Lite P004-002-5).....	119.96		
27 29 00 00-1759	EA	AC Power Extension Cable, C14 to C13, 100-250V, 10A, 18Awg, SJT - 4 ft. (Tripp Lite P004-004).....	17.70		
27 29 00 00-1760	EA	4ft 18 AWG Power Cord C14 to C13 with Blue Connectors (Tripp Lite P004-004-BL).....	18.59		
27 29 00 00-1761	EA	4ft 18AWG Power Cord C14 to C13 Green Connectors 4' (Tripp Lite P004-004-GN).....	18.59		
27 29 00 00-1762	EA	4ft 18AWG Power Cord C14 to C13 Red Connectors 4' (Tripp Lite P004-004-RD).....	18.59		
27 29 00 00-1763	EA	4ft 18AWG Power Cord C14 to C13 Yellow Connectors 4' (Tripp Lite P004-004-YW).....	18.59		
27 29 00 00-1764	EA	AC Power Extension Cable - PC Style Plugs (IEC-320-C14 to IEC-320-C13) - 6' (Tripp Lite P004-006).....	18.59		
27 29 00 00-1765	EA	AC Power Extension/Splitter Cable, C14 to (x2) C13, 100-250V, 10A, 18Awg, SJT - 6 ft. (Tripp Lite P004-006-2C13).....	47.99		
27 29 00 00-1766	EA	10ft 18AWG Power Cord SJT 10A 100V - 250V C14 to C13 10' (Tripp Lite P004-010).....	35.99		
27 29 00 00-1767	EA	AC Power Cord, C13/C14, 100-230V, 15A, 14Awg SJT - 2' (Tripp Lite P005-002).....	41.99		
27 29 00 00-1768	EA	AC Power Cord, C13/C14, 100-230V, 15A, 14Awg SJT - 6' (Tripp Lite P005-006).....	65.97		
27 29 00 00-1769	EA	6' Heavy-Duty 14 AWG Power Cord C13 to C14 Blue Connectors (Tripp Lite P005-006-BL).....	65.97		
27 29 00 00-1770	EA	6' 14AWG Power Cord Heavy-Duty C13 to C14 Green Connectors 6' (Tripp Lite P005-006-GN).....	65.97		
27 29 00 00-1771	EA	6' 14AWG Power Cord Heavy-Duty C13 to C14 Red Connectors 6' (Tripp Lite P005-006-RD).....	65.97		
27 29 00 00-1772	EA	6' 14AWG Power Cord Heavy-Duty C13 to C14 Yellow Connectors 6' (Tripp Lite P005-006-YW).....	65.97		
27 29 00 00-1773	EA	AC Cord, C13 to C14, 15A, 14Awg - 10' (Tripp Lite P005-010).....	89.98		
27 29 00 00-1774	EA	1' 14AWG Power Cord Heavy-Duty C13 to C14 12" (Tripp Lite P005-12N).....	29.98		
27 29 00 00-1775	EA	18" 14AWG Power Cord Heavy-Duty C13 to C14 18" (Tripp Lite P005-18N).....	35.99		
27 29 00 00-1776	EA	AC Power Cable, C13 to 5-15P, 125V, 10A, 18Awg, SJT - 3 ft. (Tripp Lite P006-003).....	16.20		
27 29 00 00-1777	EA	AC Power Cable, C13 to 5-15P, 125V, 10A, 18Awg, SJT - 4 ft. (Tripp Lite P006-004).....	16.79		
27 29 00 00-1778	EA	4ft 18AWG Power Cord 5-15P to C13 with Blue Connectors (Tripp Lite P006-004-BL).....	17.40		
27 29 00 00-1779	EA	4ft 18AWG Power Cord 5-15P to C13 Green Connectors 4' (Tripp Lite P006-004-GN).....	17.40		
27 29 00 00-1780	EA	4ft 18AWG Power Cord 5-15P to C13 Red Connectors 4' (Tripp Lite P006-004-RD).....	17.40		
27 29 00 00-1781	EA	4ft 18AWG Power Cord 5-15P to C13 Yellow Connectors 4' (Tripp Lite P006-004-YW).....	17.40		
27 29 00 00-1782	EA	AC Power Repl. Cable - AC Plug (NEMA 5-15P) to PC Style Rec (IEC-320-C13) - 6' (Tripp Lite P006-006).....	18.59		
27 29 00 00-1783	EA	AC Power Cord, Left-Angle C13 to 5-15P, 125V, 10A, 18Awg, SJT - 6 ft. (Tripp Lite P006-006-13LA).....	23.98		
27 29 00 00-1784	EA	AC Power Cord, Right-Angle C13 to 5-15P, 125V, 10A, 18Awg, SJT - 6 ft. (Tripp Lite P006-006-13RA).....	23.98		
27 29 00 00-1785	EA	AC Power Splitter Cable, 5-15P to (x2) C13 - 6 ft. (Tripp Lite P006-006-2).....	53.99		
27 29 00 00-1786	EA	6ft Piggyback Power Cord 5-15P/R to C13 6' (Tripp Lite P006-006-515MF).....	29.98		
27 29 00 00-1787	EA	10ft 18AWG Power Cord NEMA 5-15P to IEC-320-C13 10' (Tripp Lite P006-010).....	35.99		
27 29 00 00-1788	EA	AC Power Cord, C13/5-15P, 125V, 15A, 14Awg SJT - 2' (Tripp Lite P007-002).....	35.99		
27 29 00 00-1789	EA	AC Power Cord, C13/5-15P, 125V, 15A, 14Awg SJT - 6' (Tripp Lite P007-006).....	53.99		
27 29 00 00-1790	EA	AC Cord, C13 to 5-15P, 15A, 14Awg - 10' (Tripp Lite P007-010).....	77.97		
27 29 00 00-1791	EA	AC Power Repl. Cable - AC Plug (NEMA 5-15P) to PC Style Rec (IEC-320-C13) - 12' (Tripp Lite P010-012).....	34.18		
27 29 00 00-1792	EA	AC Power Cord, L6-20P to C13, 250V, 15A, 14Awg, SJTW - 6' (Tripp Lite P011-006).....	77.97		
27 29 00 00-1793	EA	Notebook Power Adapter Cable (NEMA 1-15P to IEC-320-C7) - 6' (Tripp Lite P012-006).....	18.00		
27 29 00 00-1794	EA	6ft 18AWG Power Cord NEMA 5-15P to C5 6' (Tripp Lite P013-006).....	41.99		
27 29 00 00-1795	EA	6ft 18AWG Power Cord (C14 to C5) 6' (Tripp Lite P014-006).....	59.99		
27 29 00 00-1796	EA	6 inch 18AWG Power Cord Adapter (C14 to C5) 6" (Tripp Lite P014-06N).....	47.99		
27 29 00 00-1797	EA	3' 14AWG Power Cord Heavy-Duty C14 to C15 3' (Tripp Lite P018-003).....	77.97		
27 29 00 00-1798	EA	6' 14AWG Power Cord Heavy-Duty C14 to C15 6' (Tripp Lite P018-006).....	101.98		
27 29 00 00-1799	EA	4' Heavy-Duty Power Cord 15A 100-250V 14AWG SJT 5-15P to C15 4' (Tripp Lite P019-004).....	89.98		
27 29 00 00-1800	EA	8' Heavy-Duty Power Cord 15A 100-250V 14AWG SJT 5-15P to C15 8' (Tripp Lite P019-008).....	119.96		
27 29 00 00-1801	EA	Power Extension / Adapter Cable (NEMA 5-15R to NEMA 5-15P) - 1 ft. (Tripp Lite P022-001).....	18.00		
27 29 00 00-1802	EA	Power Extension / Adapter Cable - (2) NEMA 5-15R to NEMA 5-15P - 1 ft. (Tripp Lite P022-001-2).....	26.98		
27 29 00 00-1803	EA	15ft 16AWG Power Extension Cord NEMA 5-15R to NEMA 5-15P 15' (Tripp Lite P022-015).....	41.99		
27 29 00 00-1804	EA	25ft 16AWG Power Extension Cord NEMA 5-15R to NEMA 5-15P 25' (Tripp Lite P022-025).....	65.97		
27 29 00 00-1805	EA	AC Power Cord, 5-15P/L5-15R, 120V, SJTW, 14AWG, 15A - 1' (Tripp Lite P023-001).....	41.99		
27 29 00 00-1806	EA	5-Pack AC Power Cords, 5-15P to C13, 125V, 10A, 18Awg, SVT - 2' (Tripp Lite P030-002-5).....	119.96		
27 29 00 00-1807	EA	AC Power Splitter Cable, C20 to (x2) C13, 100-250V, 15A, 14Awg, SJTW - 2 ft. (Tripp Lite P032-002-2C13).....	77.97		
27 29 00 00-1808	EA	AC Power Cord 10A 100-240V, 12Awg, C13/C20, - 7' (Tripp Lite P032-007).....	95.98		
27 29 00 00-1809	EA	AC Cord, C19 to 5-15P, 15A, 14Awg - 10' (Tripp Lite P034-010).....	83.98		
27 29 00 00-1810	EA	AC Cord, 250V, 16A, 12Awg, SJT - 2' (Tripp Lite P036-002).....	59.99		
27 29 00 00-1811	EA	AC Power Cord, Left-Angle C19 to C20, 100-250V, 20A, 12Awg, SJTW - 2 ft. (Tripp Lite P036-002-19LA).....	53.99		
27 29 00 00-1812	EA	AC Power Cord, Right-Angle C19 to C20, 100-250V, 20A, 12Awg, SJTW - 2 ft. (Tripp Lite P036-002-19RA).....	53.99		
27 29 00 00-1813	EA	AC Power Cord, Left-Angle C20 to C19, 100-250V, 20A, 12Awg, SJTW - 2 ft. (Tripp Lite P036-002-20LA).....	53.99		
27 29 00 00-1814	EA	AC Power Cord, Right-Angle C20 to C19, 100-250V, 20A, 12Awg, SJTW - 2 ft. (Tripp Lite P036-002-20RA).....	53.99		
27 29 00 00-1815	EA	AC Power Cord 100-230V, 12Awg - 6' (Tripp Lite P036-006).....	107.98		
27 29 00 00-1816	EA	AC Power Extension/Splitter Cable, C20 to (x2) C19, 100-250V, 20A, 12Awg, SJTW - 6 ft. (Tripp Lite P036-006-2C19).....	167.95		
27 29 00 00-1817	EA	1' AC Splitter Cable, 20A, 10Awg, SJTOW, 250V, L6-20P/2xL6-20R (Tripp Lite P039-001-2).....	419.88		
27 29 00 00-1818	EA	6' 12AWG Heavy-Duty Power Cord IEC-320-C19 to NEMA L6-20P 6' (Tripp Lite P040-006).....	89.98		
27 29 00 00-1819	EA	AC Cord, C19 to L6-20P, 20A, 12Awg - 10' (Tripp Lite P040-010).....	149.97		
27 29 00 00-1820	EA	14' 12AWG Heavy-Duty Power Cord IEC-320-C19 to NEMA L6-20P 14' (Tripp Lite P040-014).....	209.94		
27 29 00 00-1821	EA	AC Splitter Cable, 30A, 10Awg, SJT, 250V - 1' (Tripp Lite P041-001-2).....	509.85		
27 29 00 00-1822	EA	8' 10AWG Heavy-Duty Power Extension Cord L6-30P to L6-30R 8' (Tripp Lite P041-008).....	221.94		
27 29 00 00-1823	EA	AC Adapter, L5-30P/L5-20R, 20A, 10Awg, SJTW, 125V (Tripp Lite P043-002).....	419.88		
27 29 00 00-1824	EA	AC Power Adapter Cable (NEMA L5-20R - NEMA 5/20P) - 6' (Tripp Lite P044-061).....	71.97		
27 29 00 00-1825	EA	AC Cord, C19 to L5-20P, 20A, 12Awg - 10' (Tripp Lite P045-010).....	113.96		

27 29 00 00-1826	EA	6in	12AWG Hvy Dty Power Adptr Cord 100-250V 20A L5-20P to 5-20R (Tripp Lite P046-06N)	77.97	
27 29 00 00-1827	EA	AC Power Cord, C19/C14, 100-230V,15A,14Awg	SJT - 2' (Tripp Lite P047-002)	65.97	
27 29 00 00-1828	EA	AC Power Cord, C19/C14, 100-230V,15A,14Awg	SJT - 4' (Tripp Lite P047-004)	83.98	
27 29 00 00-1829	EA	AC Power Cord, C19/C14, 100-230V,15A,14Awg	SJT - 6' (Tripp Lite P047-006)	98.98	
27 29 00 00-1830	EA	AC Cord, C19 to C14, 15A, 14Awg - 10'	(Tripp Lite P047-010)	119.96	
27 29 00 00-1831	EA	AC Cord, C19 to 5-20P, 20A, 12Awg - 10'	(Tripp Lite P049-010)	131.96	
27 29 00 00-1832	EA	AC Power Cable (International) (IEC-320-C19 - BS1363 SHUKO Plug) - 8'	(Tripp Lite P050-008)	95.98	
27 29 00 00-1833	EA	AC Power Cable (International) (IEC-320-C19 - BS1363 UK Plug) - 8'	(Tripp Lite P052-008)	101.98	
27 29 00 00-1834	EA	AC Power Cord, SCHUKO CEE7/7 to C13, 250V, 10A - 6'	(Tripp Lite P054-006)	41.99	
27 29 00 00-1835	EA	AC Power Cord, BS1363 (UK) to C13, 250V, 10A - 6'	(Tripp Lite P056-006)	47.99	
27 29 00 00-1836	EA	AC Power Cord, CEE7/7 SHUKO to C5, 250V, 2.5A - 6 ft.	(Tripp Lite P058-006)	59.99	
27 29 00 00-1837	EA	AC Power Cord, BS1363 (UK) to C5, 250V, 2.5A - 6 ft.	(Tripp Lite P060-006)	83.98	
27 29 00 00-1838	EA	10ft IEC309 to C19 Power Cord (Tripp Lite P070-010)		239.92	
27 29 00 00-1839	EA	AT Serial Gold Adapter DB9F/25M (Tripp Lite P100-000-R)		4.50	
27 29 00 00-1840	EA	AT-PS/2 Keyboard Adapter DIN5F/MinDIN6M (Tripp Lite P106-000)		3.89	
27 29 00 00-1841	EA	PS/2-AT Keyboard Adapter DIN5M/MinDIN6F (Tripp Lite P108-000-R)		6.00	
27 29 00 00-1842	EA	Combo-Mouse Serial-PS/2 Adapter MinDIN6M/DB9M (Tripp Lite P110-000-R)		2.70	
27 29 00 00-1843	EA	Combo-Mouse Serial-PS/2 Adapter MinDIN6F/DB9F (Tripp Lite P112-000)		6.00	
27 29 00 00-1844	EA	DVI-D M to DVI-D F Adapter (Tripp Lite P118-000)		35.99	
27 29 00 00-1845	EA	DVI Adapter - DVI Analog Plug to HD15F (Tripp Lite P120-000)		27.59	
27 29 00 00-1846	EA	DVI Adapter - DVI-A(M)/x2 HD15(F) (Tripp Lite P120-001-2)		59.99	
27 29 00 00-1847	EA	DVI Adapter - DVI Digital Plug to DFP Receptacle (Tripp Lite P122-000)		29.98	
27 29 00 00-1848	EA	DVI Adapter - DVI Analog Receptacle to HD15M (Tripp Lite P126-000)		28.79	
27 29 00 00-1849	EA	HDMI to DVI Gold Adapter - HDMI-F to DVI M (Tripp Lite P130-000)		53.99	
27 29 00 00-1850	EA	6 inch Micro HDMI to VGA Converter Adapter Plug And Play 1080p 6" (Tripp Lite P131-06N-MICRO)		179.95	
27 29 00 00-1851	EA	DVI to HDMI Gold Adapter - DVI F to HDMI-M (Tripp Lite P132-000)		53.99	
27 29 00 00-1852	EA	DisplayPort to DVI Adapter (Tripp Lite P134-000)		110.96	
27 29 00 00-1853	EA	Displayport to VGA Adapter 6in (Tripp Lite P134-06N-VGA)		137.97	
27 29 00 00-1854	EA	DisplayPort to HDMI Adapter (Tripp Lite P136-000)		116.96	
27 29 00 00-1855	EA	Mini Displayport to DVI Adapter 6" TAA / GSA (Tripp Lite P137-06N-DVI)		95.98	
27 29 00 00-1856	EA	Tripp Lite Keyspan 6 inch Mini Displayport to HDMI Adapter 6" TAA GSA (Tripp Lite P137-06N-HDMI)		95.98	
27 29 00 00-1857	EA	Mini Displayport to VGA Adapter 6" TAA / GSA (Tripp Lite P137-06N-VGA)		113.96	
27 29 00 00-1858	EA	Mini-DVI to DVI Adapter (Tripp Lite P138-000-DVI)		77.97	
27 29 00 00-1859	EA	Mini-DVI to HDMI Adapter (Tripp Lite P138-000-HDMI)		77.97	
27 29 00 00-1860	EA	Mini Displayport to Display port Adapter Mini DP M to DP Female (Tripp Lite P139-06N-DP)		53.99	
27 29 00 00-1861	EA	HDMI Female to Mini HDMI Male Adapter Full 1080p Support (Tripp Lite P142-000-MINI)		47.99	
27 29 00 00-1862	EA	HDMI Male to Female Swivel Adapter Up / Down (Tripp Lite P142-000-UD)		26.98	
27 29 00 00-1863	EA	HDMI Right Angle Up Adapter / Coupler, Male to Female (Tripp Lite P142-000-UP)		22.79	
27 29 00 00-1864	EA	Compact Gold Gender Changer DB9F/F (Tripp Lite P150-000)		12.59	
27 29 00 00-1865	EA	Compact Gold Gender Changer DB9M/M (Tripp Lite P152-000)		12.00	
27 29 00 00-1866	EA	Compact Gold Gender Changer DB25F/F (Tripp Lite P154-000)		13.50	
27 29 00 00-1867	EA	Compact Gold Gender Changer DB25M/M (Tripp Lite P156-000)		16.50	
27 29 00 00-1868	EA	Compact Gold Gender Changer HD15M/M (Tripp Lite P158-000)		16.50	
27 29 00 00-1869	EA	Compact Gold Gender Changer HD15F/F (Tripp Lite P160-000)		16.50	
27 29 00 00-1870	EA	Gender Changer DVI-D F/F (Tripp Lite P162-000)		59.99	
27 29 00 00-1871	EA	Gender Changer HDMI F/F (Tripp Lite P164-000)		35.99	
27 29 00 00-1872	EA	HDMI Keystone Snap-in Wallplate Coupler Gold Plated HDMI F/F (Tripp Lite P164-000-KJ-WH)		35.99	
27 29 00 00-1873	EA	HDMI Right Angle Gender Changer Coupler - HDMI Female/Female (Tripp Lite P164-000-UP)		23.98	
27 29 00 00-1874	EA	HDMI v1.3 Active Wallplate with Signal Booster (Tripp Lite P166-001-A)		239.92	
27 29 00 00-1875	EA	HDMI v1.3 Passive Wallplate (Tripp Lite P166-001-P)		101.98	
27 29 00 00-1876	EA	HDMI over Category 5 Wallplate Extension Kit (Tripp Lite P167-000)		389.89	
27 29 00 00-1877	EA	Compact Displayport Gender Changer / Coupler (Display port F/F) (Tripp Lite P168-000)		47.99	
27 29 00 00-1878	EA	PS/2 Keyboard/Mouse Extension Cable MinDIN6M/F - 6' (Tripp Lite P222-006)		10.20	
27 29 00 00-1879	EA	PS/2 Keyboard/Mouse Extension Cable MinDIN6M/F - 10' (Tripp Lite P222-010)		15.00	
27 29 00 00-1880	EA	PS/2 Keyboard/Mouse Extension Cable MinDIN6M/F - 15' (Tripp Lite P222-015)		18.00	
27 29 00 00-1881	EA	PS/2 Keyboard/Mouse Extension Cable MinDIN6M/F - 25' (Tripp Lite P222-025)		35.99	
27 29 00 00-1882	EA	PS/2 Keyboard/Mouse Extension Cable MinDIN6M/F - 50' (Tripp Lite P222-050)		59.99	
27 29 00 00-1883	EA	PS/2 Keyboard/Mouse Y Cable MinDIN6M/2xF - 1' (Tripp Lite P230-001)		29.98	
27 29 00 00-1884	EA	6ft Male to 3.5mm Female Mini Stereo Audio Extension Cable 6' (Tripp Lite P311-006)		12.59	
27 29 00 00-1885	EA	10ft Male to 3.5mm Female Mini Stereo Audio Extension Cable 10' (Tripp Lite P311-010)		15.59	
27 29 00 00-1886	EA	25ft Male to 3.5mm Female Mini Stereo Audio Extension Cable 25' (Tripp Lite P311-025)		28.20	
27 29 00 00-1887	EA	Mini Stereo Dubbing Cord 3.5mm M/M - 6' (Tripp Lite P312-006)		12.00	
27 29 00 00-1888	EA	Mini Stereo Dubbing Cord 3.5mm M/M - 10' (Tripp Lite P312-010)		14.39	
27 29 00 00-1889	EA	Mini Stereo Dubbing Cord 3.5mm M/M - 25' (Tripp Lite P312-025)		26.98	
27 29 00 00-1890	EA	Mini Stereo Dubbing Cord 3.5mm M/M - 50' (Tripp Lite P312-050)		41.99	
27 29 00 00-1891	EA	Mini Stereo Dubbing Cord Y Adapter 3.5mm M to (2) 3.5mm F - 1' (Tripp Lite P313-001)		23.98	
27 29 00 00-1892	EA	Audio Cable Y Adapter 3.5mm - M/2xRCA-M - 6' (Tripp Lite P314-006)		10.81	
27 29 00 00-1893	EA	Audio Cable Y Adapter 3.5mm - M/2xRCA-M - 12' (Tripp Lite P314-012)		13.20	
27 29 00 00-1894	EA	Audio Cable Y Adapter 3.5mm M to (x2) RCA F - 6 ft. (Tripp Lite P315-006)		10.50	
27 29 00 00-1895	EA	10-Pack of 10" Hook and Loop Cable Ties (Tripp Lite P350-10N-10)		18.00	
27 29 00 00-1896	EA	Serial Modem Gold Cable DB25F/M - 6' (Tripp Lite P402-006-R)		4.20	
27 29 00 00-1897	EA	AT Serial Modem Gold Cable DB9F/25M - 6' (Tripp Lite P404-006)		14.09	
27 29 00 00-1898	EA	Fax/Modem Silver Flat Patch Cable RJ11M/M - 7' (Tripp Lite P410-007-SR)		6.00	
27 29 00 00-1899	EA	RJ11 In-Line Coupler RJ11F/F (Tripp Lite P420-001)		4.81	
27 29 00 00-1900	EA	Null Modem Adapter Kit - RJ45 F to DB9 F - 2pk (Tripp Lite P450-000)		59.99	
27 29 00 00-1901	EA	Null Modem Gold Cable DB9F/F - 6' (Tripp Lite P450-006)		16.79	
27 29 00 00-1902	EA	Null Modem Gold Cable DB9F/F - 10 ft. (Tripp Lite P450-010)		19.79	
27 29 00 00-1903	EA	Null Modem Gold Cable DB9M/F - 6' (Tripp Lite P454-006)		18.00	
27 29 00 00-1904	EA	Null Modem Gold Cable DB9F/25M - 6' (Tripp Lite P456-006)		20.40	
27 29 00 00-1905	EA	SVGA Mon Ext Cbl w RGB coax HD15 (M/F) - 6' (Tripp Lite P500-006)		31.18	
27 29 00 00-1906	EA	SVGA Monitor Extension Gold Cable w RGB coax HD15M/F - 10' (Tripp Lite P500-010)		56.38	
27 29 00 00-1907	EA	SVGA Mon Ext Gold Cbl w RGB coax HD15 (M/F) - 25' (Tripp Lite P500-025)		83.98	
27 29 00 00-1908	EA	SVGA Monitor Extension Cable w RGB coax HD15M/F - 50' (Tripp Lite P500-050)		152.95	
27 29 00 00-1909	EA	SVGA Monitor Extension Cable w RGB coax HD15M/F - 50' (Tripp Lite P500-075)		221.94	
27 29 00 00-1910	EA	SVGA Monitor Extension Cable w RGB coax HD15M/F - 100' (Tripp Lite P500-100)		254.93	

27 Communications
27 20 Data Communications
27 29 Data Communications Network Systems

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

27 29 00 00-1911	EA	SVGA EZ-Pull Gold Monitor Extension Cable w RGB Coax, HD15M/F, 50' (Tripp Lite P501-050)	299.92	
27 29 00 00-1912	EA	SVGA EasyPull Monitor Extension Cable w RGB Coax - 100' (Tripp Lite P501-100)	539.86	
27 29 00 00-1913	EA	SVGA/XVGA Monitor Gold Cable w RGB Coax HD15M/M - 1 ft. (Tripp Lite P502-001)	28.20	
27 29 00 00-1914	EA	SVGA/XVGA Monitor Gold Cable w RGB Coax HD15M/M - 3' (Tripp Lite P502-003)	30.59	
27 29 00 00-1915	EA	SVGA/XVGA Gold Right-Angle Monitor Cable With RGB Coax - 3' (Tripp Lite P502-003-RA)	41.99	
27 29 00 00-1916	EA	3ft SVGA / VGA Compact RGB Coax Monitor Cable (HD15 M/M) 3' (Tripp Lite P502-003-SM)	32.99	
27 29 00 00-1917	EA	SVGA Monitor Cbl w RGB Coax HD15 (M/M) - 6' (Tripp Lite P502-006)	33.59	
27 29 00 00-1918	EA	SVGA/XVGA Gold Right-Angle Monitor Cable With RGB Coax - 6' (Tripp Lite P502-006-RA)	44.99	
27 29 00 00-1919	EA	6ft SVGA / VGA Compact RGB Coax Monitor Cable (HD15 M/M) 6' (Tripp Lite P502-006-SM)	34.79	
27 29 00 00-1920	EA	SVGA/XVGA Monitor Gold Cable w RGB Coax HD15M/M - 10' (Tripp Lite P502-010)	56.99	
27 29 00 00-1921	EA	SVGA/XVGA Gold Right-Angle Monitor Cable With RGB Coax - 10' (Tripp Lite P502-010-RA)	65.97	
27 29 00 00-1922	EA	SVGA Monitor Cable w RGB Coax HD15M/M - 15' (Tripp Lite P502-015)	77.97	
27 29 00 00-1923	EA	SVGA Monitor Gold Cbl w RGB Coax HD15 (M/M) - 25' (Tripp Lite P502-025)	83.98	
27 29 00 00-1924	EA	XVGA Plenum Rated Monitor Gold Cable w RGB Coax HD15M/M - 25' (Tripp Lite P502-025-P)	419.88	
27 29 00 00-1925	EA	SVGA/XVGA Gold Right-Angle Monitor Cable With RGB Coax - 25' (Tripp Lite P502-025-RA)	95.98	
27 29 00 00-1926	EA	SVGA Monitor Cable w RGB Coax HD15M/M - 50' (Tripp Lite P502-050)	155.95	
27 29 00 00-1927	EA	XVGA Plenum Rated Monitor Gold Cable w RGB Coax HD15M/M - 50' (Tripp Lite P502-050-P)	899.74	
27 29 00 00-1928	EA	SVGA Monitor Gold Cable w RGB Coax HD15M/M - 100' (Tripp Lite P502-100)	257.93	
27 29 00 00-1929	EA	SVGA EZ-Pull Gold Monitor Cable w RGB Coax, HD15M/M, 50' (Tripp Lite P503-050)	299.92	
27 29 00 00-1930	EA	SVGA EasyPull Monitor Cable w RGB Coax - 100' (Tripp Lite P503-100)	539.86	
27 29 00 00-1931	EA	3ft SVGA/VGA RGB Coax Monitor Cable w Aud HD15 M/M, 3.5mm M/M 3' (Tripp Lite P504-003-SM)	59.99	
27 29 00 00-1932	EA	6ft SVGA/VGA Monitor + Audio Cable w Coax (HD15 M/M, 3.5mm M/M) (Tripp Lite P504-006)	61.19	
27 29 00 00-1933	EA	6ft SVGA/VGA RGB Coax Monitor Cable w Aud HD15 M/M, 3.5mm M/M 6' (Tripp Lite P504-006-SM)	71.97	
27 29 00 00-1934	EA	10' XVGA Monitor/Audio Cable w Coax HD15M/M, 3.5mm M/M (Tripp Lite P504-010)	95.98	
27 29 00 00-1935	EA	15ft SVGA/VGA Monitor + Audio Cable w Coax (HD15 M/M, 3.5mm M/M) (Tripp Lite P504-015)	119.96	
27 29 00 00-1936	EA	25 XVGA Monitor/Audio Cable w Coax HD15M/M, 3.5mm M/M (Tripp Lite P504-025)	179.95	
27 29 00 00-1937	EA	25 XVGA Monitor/Audio Plenum Cable w Coax HD15M/M, 3.5mm M/M (Tripp Lite P504-025-P)	449.88	
27 29 00 00-1938	EA	SVGA Monitor Cable with RGB Coax and Audio - HD15(M)/(M) - 50' (Tripp Lite P504-050)	359.91	
27 29 00 00-1939	EA	SVGA EasyPull Monitor Coax Cable w Audio - 50' (Tripp Lite P504-050-EZ)	389.89	
27 29 00 00-1940	EA	SVGA EasyPull Monitor Coax Cable w Audio - 100' (Tripp Lite P504-100-EZ)	599.83	
27 29 00 00-1941	EA	VGA Monitor Extension Gold Cable HD15M/F - 6' (Tripp Lite P510-006)	22.20	
27 29 00 00-1942	EA	VGA Monitor Extension Gold Cable HD15M/F - 10' (Tripp Lite P510-010)	22.79	
27 29 00 00-1943	EA	VGA Monitor Extension Gold Cable HD15M/F - 15' (Tripp Lite P510-015)	28.20	
27 29 00 00-1944	EA	VGA Monitor Extension Gold Cable HD15M/F - 25' (Tripp Lite P510-025)	41.99	
27 29 00 00-1945	EA	VGA Monitor Gold Cable HD15M/M - 6' (Tripp Lite P512-006)	19.20	
27 29 00 00-1946	EA	VGA Monitor Gold Cable HD15M/M - 10' (Tripp Lite P512-010)	23.98	
27 29 00 00-1947	EA	VGA/XVGA Monitor Y Splitter HD15M/2XF (Tripp Lite P516-001)	41.99	
27 29 00 00-1948	EA	VGA/XVGA Monitor Y Splitter (High Resolution) - HD15(M)/x2 (F) - 1' (Tripp Lite P516-001-HR)	53.99	
27 29 00 00-1949	EA	CGA/EGA Monitor/Mouse Extension Cable DB9M/F - 6' (Tripp Lite P520-006)	13.79	
27 29 00 00-1950	EA	6-ft. CGA/EGA Monitor/Serial Mouse Extension Display Cable DB9F to DB9M (Tripp Lite P520-006-R)	5.39	
27 29 00 00-1951	EA	3ft DVI to VGA Cable DVI Male to HD15 Male 3' (Tripp Lite P556-003)	38.99	
27 29 00 00-1952	EA	DVI Cable, DVI Male to HD15M - 6 ft. (Tripp Lite P556-006)	41.99	
27 29 00 00-1953	EA	10ft DVI to VGA Cable DVI Male to HD15 Male 10' (Tripp Lite P556-010)	59.99	
27 29 00 00-1954	EA	3ft DVI Dual Link TMDS Cable (DVI-D M/M) 3' (Tripp Lite P560-003)	47.99	
27 29 00 00-1955	EA	DVI Dual Link TMDS Cable, DVI-D M/M - 6 ft. (Tripp Lite P560-006)	50.99	
27 29 00 00-1956	EA	DVI Dual Link TMDS Cable With Audio - DVI-D, 3.5 - 6' (Tripp Lite P560-006-A)	59.99	
27 29 00 00-1957	EA	DVI Dual Link TMDS Cable, DVI-D M/M - 10 ft. (Tripp Lite P560-010)	65.97	
27 29 00 00-1958	EA	DVI Dual Link TMDS Cable With Audio - DVI-D, 3.5mm M/M - 10' (Tripp Lite P560-010-A)	77.97	
27 29 00 00-1959	EA	DVI Dual Link TMDS Cable- DVI-D M/M - 15' (Tripp Lite P560-015)	95.98	
27 29 00 00-1960	EA	DVI Dual Link TMDS Cable- DVI-D M/M - 20' (Tripp Lite P560-020)	131.96	
27 29 00 00-1961	EA	DVI Dual Link TMDS Cable - DVI-D(M)/(M) - 25' (Tripp Lite P560-025)	173.95	
27 29 00 00-1962	EA	DVI Dual Link TMDS Cable- DVI-D M/M - 50' (15M) (Tripp Lite P560-050)	269.93	
27 29 00 00-1963	EA	DVI Dual Link TMDS Cable- DVI-D M/M - 100' (30M) (Tripp Lite P560-100)	479.87	
27 29 00 00-1964	EA	DVI Single Link TMDS Cable, DVI-D M/M - 6 ft. (Tripp Lite P561-006)	59.99	
27 29 00 00-1965	EA	DVI Single Link TMDS Cable, DVI-D M/M - 10 ft. (Tripp Lite P561-010)	77.97	
27 29 00 00-1966	EA	DVI Single Link TMDS Cable- DVI-D M/M - 50' (15M) (Tripp Lite P561-050)	209.94	
27 29 00 00-1967	EA	DVI EasyPull Cable Single link (TMDS) - 50' (Tripp Lite P561-050-EZ)	359.91	
27 29 00 00-1968	EA	75ft DVI Single Link TMDS Cable DVI-D M/M 75' (Tripp Lite P561-075)	371.89	
27 29 00 00-1969	EA	DVI Single Link TMDS Cable- DVI-D M/M - 100' (30M) (Tripp Lite P561-100)	389.89	
27 29 00 00-1970	EA	DVI EasyPull Cable Single link (TMDS) - 100' (Tripp Lite P561-100-EZ)	599.83	
27 29 00 00-1971	EA	100ft DVI High Definition Single Link TMDS Cable DVI-D M/M 100' (Tripp Lite P561-100-HD)	719.79	
27 29 00 00-1972	EA	DVI Dual Link 45deg Left Extension Cable - DVI-D M/F - 1' (Tripp Lite P562-001-45L)	59.99	
27 29 00 00-1973	EA	DVI Dual Link Extension Cable, DVI-DI M/F - 6 ft. (Tripp Lite P562-006)	68.97	
27 29 00 00-1974	EA	DVI Dual Link Splitter Cable - DVI-D(M) / DVI-I x2 (F) - 1' (Tripp Lite P564-001)	89.98	
27 29 00 00-1975	EA	HDMI to DVI Gold Digital Video Cable HDMI-M/DVI-M - 6 ft. (Tripp Lite P566-006)	89.98	
27 29 00 00-1976	EA	HDMI to DVI Gold Digital Video Cable HDMI-M/DVI-M - 10 ft. (Tripp Lite P566-010)	107.98	
27 29 00 00-1977	EA	HDMI to DVI Gold Digital Video Cable HDMI-M / DVI-M - 16' (Tripp Lite P566-016)	143.97	
27 29 00 00-1978	EA	3ft HDMI Gold Digital Video Cable 3' (Tripp Lite P568-003)	28.79	
27 29 00 00-1979	EA	HDMI Gold Digital Video Cable (Flat) - HDMI(M)/(M) - 3' (Tripp Lite P568-003-FL)	59.99	
27 29 00 00-1980	EA	Swivel HDMI Premium Gold Cable - HDMI M/M - 3 ft. (Tripp Lite P568-003-SW)	59.99	
27 29 00 00-1981	EA	HDMI Gold Digital Video Cable HDMI M/M - 6 ft. (Tripp Lite P568-006)	35.99	
27 29 00 00-1982	EA	HDMI Gold Digital Video Cable (Flat) - HDMI(M)/(M) - 6' (Tripp Lite P568-006-FL)	71.97	
27 29 00 00-1983	EA	6ft HDMI Gold Straight to Right-Angle Digital Video Cable (HDMI M/HDMI Right-Angle M) (Tripp Lite P568-006-RA)	62.99	
27 29 00 00-1984	EA	Right-Angle HDMI Gold Digital Video Cable HDMI M/M - 6' (Tripp Lite P568-006-RA2)	65.97	
27 29 00 00-1985	EA	Swivel HDMI Premium Gold Cable - HDMI M/M - 6 ft. (Tripp Lite P568-006-SW)	77.97	
27 29 00 00-1986	EA	HDMI Gold Digital Video Cable HDMI M/M - 10 ft. (Tripp Lite P568-010)	59.99	
27 29 00 00-1987	EA	HDMI Gold Digital Video Cable (Flat) - HDMI(M)/(M) - 10' (Tripp Lite P568-010-FL)	95.98	
27 29 00 00-1988	EA	Swivel HDMI Gold Video Cable - HDMI M/M - 10 ft. (Tripp Lite P568-010-SW)	101.98	
27 29 00 00-1989	EA	12ft High Speed HDMI Gold Digital Video Cable HDMI M/M 12' (Tripp Lite P568-012)	62.99	
27 29 00 00-1990	EA	HDMI Gold Digital Video Cable HDMI M/M - 16' (Tripp Lite P568-016)	95.98	
27 29 00 00-1991	EA	Flat HDMI Gold Video Cable HDMI M/M - 16' (Tripp Lite P568-016-FL)	143.97	
27 29 00 00-1992	EA	HDMI Gold Digital Video Cable - HDMI(M)/(M) - 25' (Tripp Lite P568-025)	149.97	
27 29 00 00-1993	EA	25ft Easy Pull High Speed HDMI Digital Video Cable HDMI M/M 25' (Tripp Lite P568-025-EZ)	299.92	
27 29 00 00-1994	EA	HDMI Gold Digital Video Cable - HDMI(M)/(M) - 50' (Tripp Lite P568-050)	299.92	
27 29 00 00-1995	EA	HDMI EasyPull Digital Video Cable - 50' (Tripp Lite P568-050-EZ)	449.88	

			Communications	27	27
			Data Communications	27 20	
			Data Communications Network Systems	27 29	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

27 29 00 00-1996	EA	HDMI Gold Digital Video Cable - HDMI M/M - Plenum Rated - 50' (Tripp Lite P568-050-P)	1,379.61		
27 29 00 00-1997	EA	HDMI Gold Digital Video Cable - HDMI(M)/(M) - 100' (Tripp Lite P568-100)	599.83		
27 29 00 00-1998	EA	HDMI EasyPull Digital Video Cable - 100' (Tripp Lite P568-100-EZ)	839.78		
27 29 00 00-1999	EA	High Definition HDMI Gold Digital Video Cable, HDMI M/M - 100ft (Tripp Lite P568-100-HD)	959.74		
27 29 00 00-2000	EA	3ft High Speed With Ethernet HDMI Cable (HDMI M/M) 3' (Tripp Lite P569-003)	59.99		
27 29 00 00-2001	EA	6' High Speed With Ethernet HDMI Cable (HDMI M/M) (Tripp Lite P569-006)	77.97		
27 29 00 00-2002	EA	10' High Speed With Ethernet HDMI Cable (HDMI M/M) (Tripp Lite P569-010)	89.98		
27 29 00 00-2003	EA	16' High Speed With Ethernet HDMI Cable (HDMI M/M) (Tripp Lite P569-016)	131.96		
27 29 00 00-2004	EA	25' High Speed With Ethernet HDMI Cable (HDMI M/M) (Tripp Lite P569-025)	227.94		
27 29 00 00-2005	EA	3ft HDMI to Micro HDMI High Speed w Ethernet Vid / Aud Cable 3' (Tripp Lite P570-003-MICRO)	47.99		
27 29 00 00-2006	EA	6ft HDMI to Micro HDMI High Speed w Ethernet Vid / Aud Cable 6' (Tripp Lite P570-006-MICRO)	59.99		
27 29 00 00-2007	EA	3ft High Speed with Ethernet HDMI to Mini HDMI Cable 3' (Tripp Lite P571-003-MINI)	53.99		
27 29 00 00-2008	EA	6ft High Speed with Ethernet HDMI to Mini HDMI Cable 6' (Tripp Lite P571-006-MINI)	77.97		
27 29 00 00-2009	EA	HDMI TO Mini Gold Digital Video Cable - Mini HDMI(M)/(M) - 6' (Tripp Lite P572-006)	77.97		
27 29 00 00-2010	EA	DMS59 to (2) HD15 Splitter Cable - 1' (Tripp Lite P574-001)	83.98		
27 29 00 00-2011	EA	DMS59 to (2) DVI-I Splitter Cable - 1' (Tripp Lite P576-001)	83.98		
27 29 00 00-2012	EA	3ft Displayport Monitor Cable M/M 3' (Tripp Lite P580-003)	77.97		
27 29 00 00-2013	EA	Displayport Device Cable - 6' (Tripp Lite P580-006)	89.98		
27 29 00 00-2014	EA	Displayport Device Cable - 10' (Tripp Lite P580-010)	119.96		
27 29 00 00-2015	EA	Displayport Device Cable - 15' (Tripp Lite P580-015)	191.96		
27 29 00 00-2016	EA	DisplayPort to DVI Single-Link Device Cable - 6' (Tripp Lite P581-006)	155.95		
27 29 00 00-2017	EA	DisplayPort M to DVI-D Single-Link M Cable - 10 ft. (Tripp Lite P581-010)	191.96		
27 29 00 00-2018	EA	3ft Mini Displayport to Displayport Cable 2560 x 1600 3' (Tripp Lite P583-003)	59.99		
27 29 00 00-2019	EA	6ft Mini Displayport to Displayport Cable 2560 x 1600 6' (Tripp Lite P583-006)	65.97		
27 29 00 00-2020	EA	10ft Mini Displayport to Displayport Cable 2560 x 1600 10' (Tripp Lite P583-010)	77.97		
27 29 00 00-2021	EA	3ft Mini Displayport to Mini Displayport Cable 2560 x 1600 3' (Tripp Lite P584-003)	59.99		
27 29 00 00-2022	EA	6ft Mini Displayport to Mini Displayport Cable 2560 x 1600 6' (Tripp Lite P584-006)	65.97		
27 29 00 00-2023	EA	10ft Mini Displayport to Mini Displayport Cable 2560 x 1600 10' (Tripp Lite P584-010)	77.97		
27 29 00 00-2024	EA	Bidirectional Parallel Printer A/B Cable DB25M/Cen36M - 10' (Tripp Lite P602-010)	25.79		
27 29 00 00-2025	EA	IEEE1284 Gold Parallel Printer A/B Cable DB25M/Cen36M - 3' (Tripp Lite P606-003)	30.90		
27 29 00 00-2026	EA	IEEE1284 Gold Parallel Printer A/B Cable DB25M/Cen36M - 6' (Tripp Lite P606-006)	32.40		
27 29 00 00-2027	EA	IEEE1284 Gold Parallel Printer A/B Cable DB25M/Cen36M - 10' (Tripp Lite P606-010)	41.99		
27 29 00 00-2028	EA	IEEE1284 Gold Parallel Printer A/B Cable DB25M/Cen36M - 15' (Tripp Lite P606-015)	50.99		
27 29 00 00-2029	EA	IEEE1284 Parallel Printer A-C Cable DB25M/MCen36M - 6' (Tripp Lite P608-006)	32.99		
27 29 00 00-2030	EA	IEEE 1284 Switch Gold Cable DB25M/M - 6' (Tripp Lite P710-006)	38.99		
27 29 00 00-2031	EA	PS/2 Cable Kit for KVM Switch B004-008 - 6' (Tripp Lite P750-006)	56.08		
27 29 00 00-2032	EA	PS/2 Cable Kit for KVM Switch B004-008 - 10' (Tripp Lite P750-010)	77.97		
27 29 00 00-2033	EA	PS/2 Cable Kit for KVM Switch B004-008 - 15' (Tripp Lite P750-015)	98.98		
27 29 00 00-2034	EA	KVM PS/2 Slim Cable Kit for B004-002/4, B005-002/4 And B007-008 - 6' (Tripp Lite P753-006)	57.58		
27 29 00 00-2035	EA	KVM PS/2 Slim Cable Kit for B004-002/4, B005-002/4 And B007-008 - 10' (Tripp Lite P753-010)	82.48		
27 29 00 00-2036	EA	KVM PS/2 Slim Cable Kit for B004-002/4, B005-002/4 And B007-008 - 15' (Tripp Lite P753-015)	119.96		
27 29 00 00-2037	EA	PS/2 Cable Kit for KVM Switch B007-008 - 10' (Tripp Lite P754-010)	82.48		
27 29 00 00-2038	EA	KVM USB with Audio Cable Kit for B006-VUA4-K-R - 10 ft. (Tripp Lite P756-010)	119.96		
27 29 00 00-2039	EA	KVM PS/2 with Audio Cable Kit for B006-VUA4-K-R - 10 ft. (Tripp Lite P757-010)	119.96		
27 29 00 00-2040	EA	USB Cable Kit for KVM Switch B006-004-R - 6' (Tripp Lite P758-006)	56.38		
27 29 00 00-2041	EA	USB Cable Kit for KVM Switch B006-004-R - 10' (Tripp Lite P758-010)	68.97		
27 29 00 00-2042	EA	6ft Cable Kit for B002-DUA2 / B002-DUA4 Secure KVM Switches 6' (Tripp Lite P759-006)	143.97		
27 29 00 00-2043	EA	10ft Cable Kit for B002-DUA2 / B002-DUA4 Secure KVM Switches 10' (Tripp Lite P759-010)	191.96		
27 29 00 00-2044	EA	15ft Cable Kit for B002-DUA2 / B002-DUA4 Secure KVM Switches 15' (Tripp Lite P759-015)	239.92		
27 29 00 00-2045	EA	KVM Daisy-Chain Cable for the B060-Series KVM Switches - 13' (Tripp Lite P770-013)	299.92		
27 29 00 00-2046	EA	KVM Daisy-Chain Cable for the B060-Series KVM Switches - 10m (Tripp Lite P770-10M)	599.83		
27 29 00 00-2047	EA	Daisy-Chain Cable Kit for KVM Switches B020-016, B020-008 and B022-016 (Tripp Lite P772-002)	107.98		
27 29 00 00-2048	EA	KVM Daisychain Cable for B020-016, B020-008 And B022-016 - 6' (Tripp Lite P772-006)	179.95		
27 29 00 00-2049	EA	KVM Daisy Chain Cable for B020 Series and B022-016 - 15' (Tripp Lite P772-015)	329.90		
27 29 00 00-2050	EA	PS/2 Cable Kit for B020- and B022- series KVM Switches - 6' (Tripp Lite P774-006)	97.78		
27 29 00 00-2051	EA	PS/2 Cable Kit for B020- and B022- series KVM Switches - 10' (Tripp Lite P774-010)	148.16		
27 29 00 00-2052	EA	PS/2 Cable Kit for B020- and B022- series KVM Switches - 15' (Tripp Lite P774-015)	181.76		
27 29 00 00-2053	EA	KVM PS/2 Cable Kit for B020/B022 Series Switches - 25' (Tripp Lite P774-025)	254.93		
27 29 00 00-2054	EA	USB Cable Kit for B020- and B022- series KVM Switches - 6' (Tripp Lite P776-006)	124.77		
27 29 00 00-2055	EA	USB Cable Kit for B020- and B022- series KVM Switches - 10' (Tripp Lite P776-010)	173.95		
27 29 00 00-2056	EA	KVM USB Cable Kit for B020/B022 Series Switches - 19' (Tripp Lite P776-019)	230.33		
27 29 00 00-2057	EA	KVM USB-PS2 Combo Cable Kit for the B020/22-U08/16 Series Switches - 6ft (Tripp Lite P778-006)	82.78		
27 29 00 00-2058	EA	KVM USB/PS2 Combo Cable Kit for the B020/22-UXX Series Switches - 10ft (Tripp Lite P778-010)	101.98		
27 29 00 00-2059	EA	KVM USB/PS2 Combo Cable Kit for the B020/22-UXX Series Switches - 15ft (Tripp Lite P778-015)	137.97		
27 29 00 00-2060	EA	KVM USB/PS2 Cable for B040 And B042 KVMs (includes USB AF to PS/2 M adapter) - 6' (Tripp Lite P780-006)	79.17		
27 29 00 00-2061	EA	KVM USB/PS2 Cable for B040 And B042 KVMs (includes USB AF to PS/2 M adapter) - 10' (Tripp Lite P780-010)	103.76		
27 29 00 00-2062	EA	KVM USB/PS2 Cable for B040 And B042 KVMs (includes USB AF to PS/2 M adapter) - 15' (Tripp Lite P780-015)	140.36		
27 29 00 00-2063	EA	KVM Daisychain Cable for the B040/42 Series KVM Switches - 3' (Tripp Lite P781-003)	107.98		
27 29 00 00-2064	EA	KVM Daisychain Cable for the B040/42 Series KVM Switches - 6' (Tripp Lite P781-006)	119.96		
27 29 00 00-2065	EA	KVM Daisychain Cable for the B040/42 Series KVM Switches - 10' (Tripp Lite P781-010)	143.97		
27 29 00 00-2066	EA	KVM Daisychain Cable for the B040/42 Series KVM Switches - 16' (Tripp Lite P781-016)	179.95		
27 29 00 00-2067	EA	UATA/UDMA EIDE 2-Drive Ribbon Cable 3x40sok - 18" (Tripp Lite P906-18I)	19.50		
27 29 00 00-2068	EA	UATA/UDMA EIDE 2-Drive Ribbon Cable 3x40sok - 18" (Bulk) (Tripp Lite P906-18I-BP)	15.00		
27 29 00 00-2069	EA	UATA/UDMA EIDE 2-Drive Ribbon Cable 3x40sok - 24" (Tripp Lite P906-24I)	14.39		
27 29 00 00-2070	EA	UATA/UDMA EIDE 2-Drive Ribbon Cable 3x40sok - 26" (Tripp Lite P906-26I)	21.00		
27 29 00 00-2071	EA	Power Y Splitter 5.25" Cable - 6" (Tripp Lite P920-006)	7.50		
27 29 00 00-2072	EA	Universal CD ROM Audio Cable Assembly - 26" (Tripp Lite P930-26I)	5.09		
27 29 00 00-2073	EA	IDE to Serial ATA (SATA) Converter (Tripp Lite P936-000)	77.97		
27 29 00 00-2074	EA	8" Serial ATA (SATA) Latching Signal Cable (Tripp Lite P940-08I)	12.00		
27 29 00 00-2075	EA	Serial ATA (SATA) Signal Cable - 19" (Tripp Lite P940-19I)	15.00		
27 29 00 00-2076	EA	Serial ATA (SATA) Signal Cable - 39" (Tripp Lite P940-39I)	16.79		
27 29 00 00-2077	EA	Serial ATA (SATA) Signal Cable, 7-pin Connector straight/up - 19" (Tripp Lite P941-19I)	14.39		
27 29 00 00-2078	EA	Serial ATA (SATA) Signal Cable, 7-pin Connector straight/down - 19" (Tripp Lite P942-19I)	14.39		
27 29 00 00-2079	EA	Serial ATA (SATA) Signal Cable, 7-pin Connector up/down - 19" (Tripp Lite P943-19I)	14.39		
27 29 00 00-2080	EA	Serial ATA (SATA) Power Cable - 6" (Tripp Lite P944-06I)	11.39		

27 Communications
27 20 Data Communications
27 29 Data Communications Network Systems

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

27 29 00 00-2081	EA	Serial ATA (SATA) Power Adapter/Ext Cable - 4pin/4pin And 15pin SATA - 6" (Tripp Lite P945-06I).....	18.00	
27 29 00 00-2082	EA	Serial ATA (SATA) Dual Power Adapter Cable - 4pin/2x15pin SATA - 12" (Tripp Lite P946-12I).....	18.00	
27 29 00 00-2083	EA	Serial ATA II (SATA II) Signal Cable, 2x7-pin Straight Connector - 2m (Tripp Lite P950-02M).....	43.18	
27 29 00 00-2084	EA	Serial ATA II Signal Cable, 2x7-pin Straight Connector - 18" (Tripp Lite P950-18I).....	23.98	
27 29 00 00-2085	EA	Serial ATA II Signal Cable, 2x7-pin Straight Connector - 39" (Tripp Lite P950-36I).....	29.98	
27 29 00 00-2086	EA	eSATA to SATA Signal Cable With Bracket, 7P-M/7P-M, 2' (Tripp Lite P952-002).....	34.79	
27 29 00 00-2087	EA	eSATA to SATA Signal Cable - 3' (Tripp Lite P952-003).....	29.98	
27 29 00 00-2088	EA	eSATA to SATA Signal Cable - 18" (Tripp Lite P952-18I).....	25.79	
27 29 00 00-2089	EA	120 Volt, 15 Amperes (13) 5-15R AC Receptacles (1) 15 Amperes Circuit Breaker 5-15P Input Plug 15 ft. Cord (Tripp Lite PDU1215).....	230.92	
27 29 00 00-2090	EA	120 Volt, 20 Amperes (13) 5- 20 R AC Receptacles (1) 20 Amperes Circuit Breaker 5- 20 P Input Plug 15 ft. Cord (Tripp Lite PDU1220).....	371.82	
27 29 00 00-2091	EA	120 Volt, 20 Amperes (13) 5- 20 R AC Receptacles (1) 20 Amperes Circuit Breaker L5- 20 P Input Plug 15 ft. Cord (Tripp Lite PDU1220T).....	383.56	
27 29 00 00-2092	EA	208 Volt, 30 Amperes (12) C-13 AC Receptacles (3) 10 Amperes Circuit Breakers L6- 30 P Input Plug 15 ft. Cord (Tripp Lite PDU1230).....	637.97	
27 29 00 00-2093	EA	100-240 Volt, 20 Amperes (12) C-13/ (2) C19 AC Receptacles (2) 16 Amperes Circuit Breakers C-20† Input Plug N/A Cord (Tripp Lite PDU12IEC).....	516.64	
27 29 00 00-2094	EA	120 Volt, 15 Amperes (14) 5-15R AC Receptacles (1) 15 Amperes Circuit Breaker 5-15P Input Plug 15 ft. Cord (Tripp Lite PDU1415).....	430.53	
27 29 00 00-2095	EA	120 Volt, 20 Amperes (14) 5-15R AC Receptacles (1) 20 Amperes Circuit Breaker L5- 20 P Input Plug 15 ft. Cord (Tripp Lite PDU1420T).....	438.36	
27 29 00 00-2096	EA	120 Volt, 30 Amperes (24) 5-15R AC Receptacles (2) 15 Amperes Circuit Breakers L5- 30 P Input Plug 15 ft. Cord (Tripp Lite PDU2430).....	637.97	
27 29 00 00-2097	EA	PDU 3-Phase Metered 208V 12.6 kW Hubbell 36 C13; 6 C19 0URM (Tripp Lite PDU3MV6H50).....	1,956.96	
27 29 00 00-2098	EA	PDU 3-Phase Metered 208V 14.4kW 36 C13; 6 C19; 3 L6-30R 0URM (Tripp Lite PDU3MV6H50A).....	2,739.74	
27 29 00 00-2099	EA	PDU 3-Phase Metered 208/120V 5.7 Kw 36 C13; 6 C19; 6 5-15/20R 0U (Tripp Lite PDU3MV6L2120).....	1,213.32	
27 29 00 00-2100	EA	PDU 3-Phase Metered 208/120V 5.7 kW 21 5-15/20R; 6 L6-20R 0URM (Tripp Lite PDU3MV6L2120B).....	1,252.45	
27 29 00 00-2101	EA	PDU 3-Phase Metered 120V 5.7 kW 42 5-15/20R L21-20P 0URM (Tripp Lite PDU3MV6L2120LV).....	1,213.32	
27 29 00 00-2102	EA	PDU 3-Phase Metered 208V / 120V 36 C13; 6 C19; 6 5-15/20R 0URM (Tripp Lite PDU3MV6L2130).....	1,761.26	
27 29 00 00-2103	EA	PDU 3-Phase Monitored 208V 8.6kVA IEC-309 30 C13; 6 C19 0U RM (Tripp Lite PDU3VN10G30).....	2,391.41	
27 29 00 00-2104	EA	PDU 3-Phase Monitored 208V 12.6kVA IEC-309 30 C13; 6 C19 0U RM (Tripp Lite PDU3VN10G60).....	3,045.03	
27 29 00 00-2105	EA	PDU 3-Phase Monitored 208V 12.6kVA Hubbell 30 C13; 6 C19 0U RM (Tripp Lite PDU3VN10H50).....	2,739.74	
27 29 00 00-2106	EA	PDU 3-Phase Monitored 208V 5.7kVA L15-20P 30 C13; 6 C19 0U RM (Tripp Lite PDU3VN10L1520).....	2,000.01	
27 29 00 00-2107	EA	PDU 3-Phase Monitored 208V 8.6kVA L15-30P 30 C13; 6 C19 0U RM (Tripp Lite PDU3VN10L1530).....	2,305.30	
27 29 00 00-2108	EA	PDU 3-Phase Monitored 208V 5.7kVA L21-20P 30 C13; 6 C19 0U RM (Tripp Lite PDU3VN10L2120).....	1,632.10	
27 29 00 00-2109	EA	PDU 3-Phase Monitored 120V 5.7kVA L21-20P 36 5-15/20R 0U RM (Tripp Lite PDU3VN10L2120LV).....	1,522.51	
27 29 00 00-2110	EA	PDU 3-Phase Monitored 208V 8.6kVA L21-30P 30 C13; 6 C19 0U RM (Tripp Lite PDU3VN10L2130).....	2,305.30	
27 29 00 00-2111	EA	PDU 3-Phase Monitored 208V 8.6kVA IEC-309 30 C13; 6 C19 0U RM (Tripp Lite PDU3VN3G30).....	2,305.30	
27 29 00 00-2112	EA	PDU 3-Phase Monitored 208V 12.6kVA IEC-309 30 C13; 6 C19 0U RM (Tripp Lite PDU3VN3G60).....	2,958.92	
27 29 00 00-2113	EA	PDU 3-Phase Monitored 208V 12.6kVA Hubbell 30 C13; 6 C19 0U RM (Tripp Lite PDU3VN3H50).....	2,653.64	
27 29 00 00-2114	EA	PDU 3-Phase Monitored 208V 5.7kVA L15-20P 30 C13; 6 C19 0U RM (Tripp Lite PDU3VN3L1520).....	1,956.96	
27 29 00 00-2115	EA	PDU 3-Phase Monitored 208V 8.6kVA L15-30P 30 C13; 6 C19 0U RM (Tripp Lite PDU3VN3L1530).....	2,219.19	
27 29 00 00-2116	EA	PDU 3-Phase Monitored 208V 5.7kVA L21-20P 30 C13; 6 C19 0U RM (Tripp Lite PDU3VN3L2120).....	1,565.57	
27 29 00 00-2117	EA	PDU 3-Phase Monitored 120V 5.7kVA L21-20P 36 5-15/20R 0U RM (Tripp Lite PDU3VN3L2120LV).....	1,436.41	
27 29 00 00-2118	EA	PDU 3-Phase Monitored 208V 8.6kVA L21-20P 30 C13; 6 C19 0U RM (Tripp Lite PDU3VN3L2130).....	2,219.19	
27 29 00 00-2119	EA	PDU 3-Phase Switched 208V 8.6kVA IEC-309 21 C13; 3 C19 0U RM (Tripp Lite PDU3VSR10G30).....	3,436.42	
27 29 00 00-2120	EA	PDU 3-Phase Switched 208V 12.6kVA IEC-309 21 C13; 3 C19 0U RM (Tripp Lite PDU3VSR10G60).....	3,870.87	
27 29 00 00-2121	EA	PDU 3-Phase Switched 208V 12.6kVA Hubbell 21 C13; 3 C19 0U RM (Tripp Lite PDU3VSR10H50).....	3,651.69	
27 29 00 00-2122	EA	PDU 3-Phase Switched 208V 5.7kVA L15-20P 21 C13; 3 C19 0U RM (Tripp Lite PDU3VSR10L1520).....	2,911.96	
27 29 00 00-2123	EA	PDU 3-Phase Switched 208V 8.6kVA L15-30P 21 C13; 3 C19 0U RM (Tripp Lite PDU3VSR10L1530).....	3,350.32	
27 29 00 00-2124	EA	PDU 3-Phase Switched 208V 5.7kVA L21-20P 21 C13; 3 C19 0U RM (Tripp Lite PDU3VSR10L2120).....	2,818.02	
27 29 00 00-2125	EA	PDU 3-Phase Switched 208V 8.6kVA L21-30P 21 C13; 3 C19 0U RM (Tripp Lite PDU3VSR10L2130).....	3,350.32	
27 29 00 00-2126	EA	PDU 3-Phase Switched 208V 8.6kVA IEC-309 21 C13; 3 C19 0U RM (Tripp Lite PDU3VSR3G30).....	3,350.32	
27 29 00 00-2127	EA	PDU 3-Phase Switched 208V 12.6kVA IEC-309 21 C13; 3 C19 0U RM (Tripp Lite PDU3VSR3G60).....	3,784.76	
27 29 00 00-2128	EA	PDU 3-Phase Switched 208V 12.6kVA Hubbell 21 C13; 3 C19 0U RM (Tripp Lite PDU3VSR3H50).....	3,565.58	
27 29 00 00-2129	EA	PDU 3-Phase Switched 208V 5.7kVA L15-20P 21 C13; 3 C19 0U RM (Tripp Lite PDU3VSR3L1520).....	2,825.85	
27 29 00 00-2130	EA	PDU 3-Phase Switched 208V 8.6kVA L15-30P 21 C13; 3 C19 0U RM (Tripp Lite PDU3VSR3L1530).....	3,260.30	
27 29 00 00-2131	EA	PDU 3-Phase Switched 208V 5.7kVA L21-20P 21 C13; 3 C19 0U RM (Tripp Lite PDU3VSR3L2120).....	2,739.74	
27 29 00 00-2132	EA	PDU 3-Phase Switched 208V 8.6kVA L21-30P 21 C13; 3 C19 0U RM (Tripp Lite PDU3VSR3L2130).....	3,260.30	
27 29 00 00-2133	EA	PDU Intl 3-Phase Monitored 230V 11kVA IEC-309 30 C13; 6 C19 0U RM 10ft Cord (Tripp Lite PDU3XVN10G16).....	2,739.74	
27 29 00 00-2134	EA	PDU Intl 3-Phase Monitored 230V 11kVA IEC-309 30 C13; 6 C19 0U RM 3ft Cord (Tripp Lite PDU3XVN3G16).....	2,661.47	
27 29 00 00-2135	EA	PDU Intl 3-Phase Monitored 230V 11kVA IEC-309 30 C13; 6 C19 0U RM 3ft Cord (Tripp Lite PDU3XVSR10G16).....	3,522.53	
27 29 00 00-2136	EA	PDU Intl 3-Phase Switched 230V 11kVA IEC-309 21 C13; 3 C19 0U RM 3ft Cord (Tripp Lite PDU3XVSR3G16).....	3,444.25	
27 29 00 00-2137	EA	120 Volt, 40 (2x20) Amperes (24 (2x12)) 5-15R AC Receptacles (2) 20 Amperes Circuit Breakers (2) L5- 20 P Input Plug 15 ft. Cord (Tripp Lite PDU40TDUAL).....	677.11	
27 29 00 00-2138	EA	Power Distribution Unit Dual Source With Hot Swap 100-127 Volt, 12 Amperes, 5-15R 8 Outlet 2U RM (Tripp Lite PDU15).....	575.35	
27 29 00 00-2139	EA	PDU Dual Source Hot Swap 100-127V 16A 5-15/20R 8 Outlet 2U RM (Tripp Lite PDU20).....	657.54	
27 29 00 00-2140	EA	PDU Dual Source Hot Swap 100-127V 24A 5-15/20R And L5-30R 7 Out 2U RM (Tripp Lite PDU30).....	1,315.08	
27 29 00 00-2141	EA	PDU Dual Source Hot Swap 200-240V 10A C13 C14 8 Outlet 2U RM (Tripp Lite PDU3HV10).....	618.40	
27 29 00 00-2142	EA	PDU Dual Source Hot Swap 200-240V 16A C13 C19 8 Outlet 2U RM (Tripp Lite PDU3HV20).....	739.73	
27 29 00 00-2143	EA	PDU Basic Dual Volt 100-240V 20A 2 C19; 12 C19 Outlet 1U 0U RM (Tripp Lite PDUH20DV).....	383.56	
27 29 00 00-2144	EA	PDU Basic 208V / 240V 20A C19 C13 14 Outlet L6-20P 1U RM (Tripp Lite PDUH20HVL6).....	383.56	
27 29 00 00-2145	EA	120 Volt, 15 Amperes (13) 5-15R AC Receptacles (1) 15 Amperes Circuit Breaker 5-15P Input Plug 15 ft. Cord (Tripp Lite PDUH15).....	309.20	
27 29 00 00-2146	EA	120 Volt, 15 Amperes (8) 5-15R AC Receptacles (1) 15 Amperes Circuit Breaker 5-15P,C-13 Input Plug 12 ft. Cord (Tripp Lite PDUH15AT).....	1,013.71	
27 29 00 00-2147	EA	Digital Power Distribution Unit PDU 8 NEMA 5-15R 15A And Web Card (Tripp Lite PDUH15ATNET).....	1,659.50	
27 29 00 00-2148	EA	208/230 Volt, 15 Amperes (8) C13 AC Receptacles C14 Input Plug 6.5 ft. Cord (Tripp Lite PDUH15HVN).....	1,256.37	
27 29 00 00-2149	EA	PDU Switched 120V 15A 5-15R 16 Outlet 1U RM (Tripp Lite PDUH15NET).....	1,409.01	
27 29 00 00-2150	EA	Digital Power Distribution Unit 1U RM PDU 12 NEMA5-15/20R 20A (Tripp Lite PDUH20).....	446.19	
27 29 00 00-2151	EA	120 Volt, 20 Amperes (16) 5-15R/20R AC Receptacles (1) 20 Amperes Circuit Breaker 5-20P,C-19 Input Plug 12 ft. Cord (Tripp Lite PDUH20AT).....	1,303.34	
27 29 00 00-2152	EA	Digital Power Distribution Unit PDU 16 NEMA 5-15/20R 20A And Web Card (Tripp Lite PDUH20ATNET).....	1,882.60	
27 29 00 00-2153	EA	PDU Metered 200-240V 20A 8 C13; 2 C19 Outlet L6-20P 1U RM (Tripp Lite PDUH20HV).....	497.07	

Communications			27
Data Communications			27 20
Data Communications Network Systems			27 29
MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	27

27 29 00 00-2154	EA	PDU Metered ATS 200V-240V 20A 8 C13; 2 C19 2 C20 Horizontal 1URM (Tripp Lite PDUH20HVAT)	1,213.32
27 29 00 00-2155	EA	Power Distribution Unit Switched With ATS 200 Volt - 240 Volt, 16 Amperes C13 / C19 10 Outlet 1U RM (Tripp Lite PDUH20HVATNET)	2,332.70
27 29 00 00-2156	EA	208/230 Volt, 20 Amperes (8) C13 AC Receptacles C20/L6-20P Input Plug 8.5 ft. Cord (Tripp Lite PDUH20HVNET)	1,647.76
27 29 00 00-2157	EA	PDU Switched 120V 20A 5-15/20R 16 Outlet 1U RM (Tripp Lite PDUH20NET)	1,585.14
27 29 00 00-2158	EA	PDU Metered 120V 30A 5-15/20R 12 Outlet L5-30P 1U RM (Tripp Lite PDUH30)	731.90
27 29 00 00-2159	EA	PDU Metered ATS 120V 30A 24 5-15/20R; 1 L5-30R 2URM (Tripp Lite PDUH30AT)	1,710.38
27 29 00 00-2160	EA	PDU Switched ATS 120V 30A 24 5-15/20R; 1 L5-30R 2URM (Tripp Lite PDUH30ATNET)	2,602.76
27 29 00 00-2161	EA	PDU Metered 208/240V 24A L6-30P 16 C13; 2 C19 Outlet 2U RM (Tripp Lite PDUH30HV)	1,080.24
27 29 00 00-2162	EA	PDU Switched 208V - 240V 30A C13 / C19 14 Outlet 2U RM (Tripp Lite PDUH30HV19NET)	2,266.16
27 29 00 00-2163	EA	PDU Metered ATS 208/240V 30A 16 C13; 2 C19; 1 L6-30R 2U RM (Tripp Lite PDUH30HVAT)	1,808.23
27 29 00 00-2164	EA	PDU Switched ATS 208/240V 30A 16 C13; 2 C19; 1 L6-30R 2U RM (Tripp Lite PDUH30HVATNET)	2,962.84
27 29 00 00-2165	EA	208 Volt, 30 Amperes (16) C13 AC Receptacles (2) 15 Amperes Circuit Breakers L6-30P Input Plug 10 ft. Cord (Tripp Lite PDUH30HVNET)	2,152.66
27 29 00 00-2166	EA	120 Volt, 30 Amperes (16) 5-15/20R AC Receptacles (2) 20 Amperes Circuit Breakers L5-30P Input Plug 10 ft. Cord (Tripp Lite PDUH30NET)	1,992.19
27 29 00 00-2167	EA	PDU Metered 230V 7.3kVA 32A IEC-309 16 C13; 2 C19 2U RM (Tripp Lite PDUH32HV)	868.89
27 29 00 00-2168	EA	PDU Switched 230V 32A 7.3kVA IEC-309 16 C13 Outlet 2U RM (Tripp Lite PDUH32HVNET)	2,195.71
27 29 00 00-2169	EA	PDU Monitored 120 Volt 15 Amperes (8) 5-15R AC Receptacles 5-15P Input Plug 12ft. Cord (Tripp Lite PDUH30HVNET)	1,025.45
27 29 00 00-2170	EA	PDU Monitored 120 Volt 20 Amperes (8) 5-15 / 20R AC Receptacles 5-20P / L5-20P Input Plug 12 ft. Cord (Tripp Lite PDUH30HVNET)	1,178.09
27 29 00 00-2171	EA	PDU Monitored 208-240V 20A C13 8 Outlet L6-20P 1U RM (Tripp Lite PDUH30HV)	1,135.04
27 29 00 00-2172	EA	PDU Monitored 120V 30A 5-15/20R 16 Outlet 2U RM (Tripp Lite PDUH30)	1,804.32
27 29 00 00-2173	EA	PDU Monitored 208/240V 30A L6-30P 12 C13; 4 C19 Outlet 2U RM (Tripp Lite PDUH30HV)	1,827.80
27 29 00 00-2174	EA	PDU Monitored 230V 7.3kVA 32A IEC-309 12 C13; 4 C19 2U RM (Tripp Lite PDUH32HV)	1,851.28
27 29 00 00-2175	EA	Digital Power Distribution Unit, 120 Volt, 15 Amperes, Vertical With Real Time Remote Monitoring (Tripp Lite PDUH30HV)	1,091.98
27 29 00 00-2176	EA	Digital Power Distribution Unit, 120 Volt, 20 Amperes, Vertical PDU With Real Time Remote Monitoring (Tripp Lite PDUH30HV)	1,213.32
27 29 00 00-2177	EA	Digital Power Distribution Unit, 208/240 Volt, 20 Amperes, Vertical PDU With Real Time Remote Monitoring (Tripp Lite PDUH30HV)	1,221.14
27 29 00 00-2178	EA	PDU Monitored 200V-240V 20A 18 C13; 2 C19 C20 Vertical 0URM (Tripp Lite PDUH30HV)	1,330.73
27 29 00 00-2179	EA	Digital Power Distribution Unit, 120 Volt, 30 Amperes, Vertical PDU With Real Time Remote Monitoring (Tripp Lite PDUH30HV)	1,315.08
27 29 00 00-2180	EA	Digital Power Distribution Unit, 208/240 Volt, 30 Amperes Vertical With/ Real Time Remote Monitoring (Tripp Lite PDUH30HV)	1,549.91
27 29 00 00-2181	EA	PDU Monitored 208V / 240V 30A 36 C13; 6 C19 Outlet Vertical 0URM (Tripp Lite PDUH30HV)	1,643.85
27 29 00 00-2182	EA	120 Volt, 15 Amperes (16) 5-15R AC Receptacles (1) 15 Amperes Circuit Breaker 5-15P Input Plug 15 ft. Cord (Tripp Lite PDUH30HV)	352.25
27 29 00 00-2183	EA	120 Volt, 15 Amperes (16) 5-15/20R AC Receptacles 5-15P Input Plug 10 ft. Cord (Tripp Lite PDUH30HV)	1,851.28
27 29 00 00-2184	EA	120 Volt, 20 Amperes (16) 5-15R/20R AC Receptacles (1) 20 Amperes Circuit Breaker L5-20P Input Plug 15 ft. Cord (Tripp Lite PDUH30HV)	426.62
27 29 00 00-2185	EA	208/230 Volt, 20 Amperes (32) C13/ (6) C19 AC Receptacles L6-20P Input Plug 10 ft. Cord (Tripp Lite PDUH30HV)	610.57
27 29 00 00-2186	EA	208/230 Volt, 20 Amperes (21) C13/ (3) C19 AC Receptacles L6-20P Input Plug 10 ft. Cord (Tripp Lite PDUH30HV)	2,199.62
27 29 00 00-2187	EA	PDU Switched 208V - 240V 20A 7 C13; 1 C19 C20 Vertical 0URM (Tripp Lite PDUH30HV)	1,956.96
27 29 00 00-2188	EA	120 Volt, 20 Amperes (24) 5-15/20R AC Receptacles (1) 20 Amperes Circuit Breakers L5-20P/5-20P Input Plug 10 ft. Cord (Tripp Lite PDUH30HV)	1,933.48
27 29 00 00-2189	EA	120 Volt, 30 Amperes (24) 5-15/20R AC Receptacles (2) 20 Amperes Circuit Breakers L5-30P Input Plug 10 ft. Cord (Tripp Lite PDUH30HV)	853.23
27 29 00 00-2190	EA	208 Volt, 30 (2x15) Amperes (32) C13/ 6 C19 AC Receptacles (2) 15 Amperes Circuit Breakers L6-30P Input Plug 10 ft. Cord (Tripp Lite PDUH30HV)	841.49
27 29 00 00-2191	EA	208 Volt, 30 Amperes (20) C13/ (4) C19 AC Receptacles (2) 15 Amperes Circuit Breakers L6-30P Input Plug 10 ft. Cord (Tripp Lite PDUH30HV)	2,469.68
27 29 00 00-2192	EA	120 Volt, 30 Amperes (24) 5-15/20R AC Receptacles (2) 20 Amperes Circuit Breakers L6-30P Input Plug 10 ft. Cord (Tripp Lite PDUH30HV)	2,301.38
27 29 00 00-2193	EA	PDU Switched 230V 30A C13 C19 24 Outlet 0U RM (Tripp Lite PDUH30HV)	2,465.77
27 29 00 00-2194	EA	120 Volt, 40(2x20) Amperes 32(2x16) 5-15R/20R AC Receptacles (2) 20 Amperes Circuit Breaker L5-20P, 5-20P Input Plug 20 ft. (2x10) Cord (Tripp Lite PDUH30HV)	853.23
27 29 00 00-2195	EA	PDU Bracket Allows for 90 Degree Installation (Tripp Lite PDUH30HV)	113.50
27 29 00 00-2196	EA	100-240 Volt, 20 Amperes (12) C-13/ (2) C19 AC Receptacles (2) 20 Amperes Circuit Breakers C-13, C19, L5- 20 P, L6- 20 P, 5-15P Input Plug 6 ft. Cord (Tripp Lite PDUH30HV)	528.38
27 29 00 00-2197	EA	Rack Enclosure Vertical Installation Kit PDU, Surge, Power Strip (Tripp Lite PDUH30HV)	91.32
27 29 00 00-2198	EA	Basic Power Distribution Unit Vertical PDU 12 NEMA 5-15R 15-Ampere (Tripp Lite PDUH30HV)	242.66
27 29 00 00-2199	EA	PDU Basic 120 Volt 20 Amperes (12) 5-15 / 20R AC Receptacles (1) 20 Amperes Circuit Breaker 5-20P Input Plug 15 ft. Cord (Tripp Lite PDUH30HV)	344.42
27 29 00 00-2200	EA	280 Volt, 30 (2x15) Amperes (32) C-13/ (6) C19 AC Receptacles (2) 15 Amperes Circuit Breakers L6-30P Input Plug 10 ft. Cord (Tripp Lite PDUH30HV)	794.53
27 29 00 00-2201	EA	Notebook Peripheral Kit (Keyboard, Mouse and Hub). (Tripp Lite PK3020KB)	136.55
27 29 00 00-2202	EA	Notebook Peripheral Kit (Light, Mouse and Hub). (Tripp Lite PK3021LI)	120.03
27 29 00 00-2203	EA	Notebook Peripheral Kit (Network Cable, Mouse and Hub). (Tripp Lite PK3022ET)	102.63
27 29 00 00-2204	EA	Relocateable Power Taps, 6 outlets, 6' cord, Metal-Duplex Series, 3 line protection, noise filter. 450 joules. Beige Without tabs (Tripp Lite PM6NS)	66.54
27 29 00 00-2205	EA	Relocateable Power Taps, 6 outlets, 6' cord, Metal-Duplex Series, 3 line protection, noise filter. 450 joules. Beige Without tabs (Tripp Lite PM6SN1)	62.62
27 29 00 00-2206	EA	500VA Low Profile Tower UPS for Kiosks, POS And PC's (Tripp Lite POS500)	375.74
27 29 00 00-2207	EA	DC Power Supply 120 Volt AC Input to 13.8 Volt DC Output For 30 Watt Transmitters 10 Amperes (Tripp Lite PR10)	264.41
27 29 00 00-2208	EA	DC Power Supply 120 Volt AC Input to 13.8 Volt DC Output For 40 Watt Transmitters 12 Amperes (Tripp Lite PR12)	280.93
27 29 00 00-2209	EA	DC Power Supply 120 Volt AC Input To 13.8 Volt DC Output For 50 Watt Transmitters 15 Amperes (Tripp Lite PR15)	400.74
27 29 00 00-2210	EA	DC Power Supply 120 Volt AC Input To 13.8 Volt DC Output For 60 Watt Transmitters 20 Amperes (Tripp Lite PR20)	433.79

27 Communications
27 20 Data Communications
27 29 Data Communications Network Systems

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
27 29 00 00-2211	EA	DC Power Supply 120 Volt AC Input To 13.8 Volt DC Output For 75/100 Watt Transmitters 25 Amperes (Tripp Lite PR25).....	545.34		
27 29 00 00-2212	EA	DC Power Supply 120 Volt AC Input To 13.8 Volt DC Output For Home Use 3 Amperes (Tripp Lite PR3).....	109.48		
27 29 00 00-2213	EA	DC Power Supply 120 Volt AC Input To 13.8 Volt DC Output for Home Use 3 Amperes (Tripp Lite PR3/UL).....	169.39		
27 29 00 00-2214	EA	DC Power Supply 120 Volt AC Input to 13.8 Volt DC Output for 125 Watt Transmitters 30 Amperes (Tripp Lite PR30).....	570.13		
27 29 00 00-2215	EA	DC Power Supply 120 Volt AC Input to 13.8 Volt DC Output for Home Use 4.5 Amperes (Tripp Lite PR4.5).....	132.20		
27 29 00 00-2216	EA	DC Power Supply 120 Volt AC Input to 13.8 Volt DC Output for 150/200 Watt Transmitters 40 Amperes (Tripp Lite PR40).....	729.18		
27 29 00 00-2217	EA	DC Power Supply 120 Volt AC Input To 13.8 Volt DC Output For 225 Watt Transmitters 50 Amperes (Tripp Lite PR50).....	818.01		
27 29 00 00-2218	EA	DC Power Supply 120 Volt AC Input To 13.8 Volt DC Output For 250/300 Watt Transmitters 60 Amperes (Tripp Lite PR60).....	958.48		
27 29 00 00-2219	EA	DC Power Supply 120 Volt AC Input To 13.8 Volt DC Output for Home Use 7 Amperes (Tripp Lite PR7).....	184.82		
27 29 00 00-2220	EA	EZ Presenter (Tripp Lite PR-EZ1).....	125.03		
27 29 00 00-2221	EA	Pro Presenter (Tripp Lite PR-PRO3).....	217.44		
27 29 00 00-2222	EA	Keyspan Presentation Remote Pro 4 w Gyro Mouse, Laser And Audio (Tripp Lite PR-PRO4).....	274.84		
27 29 00 00-2223	EA	Presentation Remote (Tripp Lite PR-US2).....	170.69		
27 29 00 00-2224	EA	8 outlets 15' cord Multiple Outlet Strip 15-Amperes (Tripp Lite PS2408).....	128.72		
27 29 00 00-2225	EA	12 outlets 15' cord Multiple Outlet Strip 15-Amperes (Tripp Lite PS3612).....	139.16		
27 29 00 00-2226	EA	12 outlets Hardwired Multiple Outlet Strip 20-Amperes (Tripp Lite PS3612-20HW).....	132.20		
27 29 00 00-2227	EA	Power Strip 120V 5-15R 4 Outlet 10ft Cord 5-15P (Tripp Lite PS410).....	38.27		
27 29 00 00-2228	EA	Power Strip Hospital Grade 4 Outlet UL1363A 3ft-10ft Coiled Cord (Tripp Lite PS-410-HGOEMCC).....	295.72		
27 29 00 00-2229	EA	Power Strip Medical Cord Wrap Drip Shield 4 Outlet 10ft Cord (Tripp Lite PS410HGOEMX).....	333.77		
27 29 00 00-2230	EA	Power Distribution Strip. 15 ft. cord. 4 hospital-grade outlets and hospital-grade plug. (Tripp Lite PS-415-HG).....	200.04		
27 29 00 00-2231	EA	Power Distribution Strip. 15 ft. cord. 4 hospital-grade outlets and hospital-grade plug. Mounting tabs. (Tripp Lite PS-415-HG-OEM).....	200.04		
27 29 00 00-2232	EA	Power Distribution Strip. 15 ft. cord. 4 hospital-grade outlets (with hospital-grade FAULT PROTECTION GFCI) and hospital-grade plug. (Tripp Lite PS-415-HGULTRA).....	291.37		
27 29 00 00-2233	EA	16 outlets 15' cord Multiple Outlet Strip 15-Amperes (Tripp Lite PS4816).....	160.04		
27 29 00 00-2234	EA	4 Port USB Print Server (Tripp Lite PS-4A).....	313.11		
27 29 00 00-2235	EA	Relocateable Power Taps, 6 outlets, 4' cord, Plastic-Duplex Series, master on/off switch. White color Without tabs (Tripp Lite PS6).....	21.92		
27 29 00 00-2236	EA	20 outlets 15' cord Multiple Outlet Strip 15-Amperes (Tripp Lite PS6020).....	184.39		
27 29 00 00-2237	EA	Power Distribution Strip. 1½ ft. cord. 6 hospital-grade outlets and hospital-grade plug. (Tripp Lite PS-602-HG).....	141.34		
27 29 00 00-2238	EA	Power Distribution Strip. 6 ft. cord. 6 hospital-grade outlets and hospital-grade plug. (Tripp Lite PS-606-HG).....	221.79		
27 29 00 00-2239	EA	Power Strip 120V 5-15R 6 Outlet 15ft Cord 5-15P (Tripp Lite PS615).....	58.27		
27 29 00 00-2240	EA	Power Distribution Strip. 15 ft. cord. 6 hospital-grade outlets and hospital-grade plug. (Tripp Lite PS-615-HG).....	234.84		
27 29 00 00-2241	EA	Power Distribution Strip. 15 ft. cord. 6 hospital-grade outlets and hospital-grade plug. Mounting tabs. (Tripp Lite PS-615-HG-OEM).....	234.84		
27 29 00 00-2242	EA	Power Strip 120V 5-15R 7 Outlet 12ft Cord 5-15P Black (Tripp Lite PS712B).....	55.66		
27 29 00 00-2243	EA	24 outlets 15' cord Multiple Outlet Strip 15-Amperes (Tripp Lite PS7224).....	194.83		
27 29 00 00-2244	EA	24 outlets 15' cord Multiple Outlet Strip 20 -Amperes (Tripp Lite PS7224-20).....	271.37		
27 29 00 00-2245	EA	24 outlets Hardwired Multiple Outlet Strip 20 -Amperes (Tripp Lite PS7224-20HW).....	222.66		
27 29 00 00-2246	EA	24 outlets 15' cord Multiple Outlet Strip with Locking Plug 20 -Amperes (Tripp Lite PS7224-20T).....	288.76		
27 29 00 00-2247	EA	Medical Power Strip Mounting Clamp Drip Shield And Cord Management (Tripp Lite PSCLAMP).....	339.21		
27 29 00 00-2248	EA	12V DC to AC Permanent Mount Inverter with User-Supplied Cables 1000 continuous wattage 1500 instantaneous wattage 4 ac outlets (Tripp Lite PV1000HF).....	717.55		
27 29 00 00-2249	EA	12V DC to AC Inverter Plus with Charge/Load LED's 1250 continuous wattage 1875 overpower wattage 2500 doubleboost wattage 2 ac outlets (Tripp Lite PV1250FC).....	939.34		
27 29 00 00-2250	EA	12V DC to AC Portable Inverter with DC Auto Power Outlet 150 continuous wattage 300 instantaneous wattage 1 ac outlet (Tripp Lite PV150).....	102.20		
27 29 00 00-2251	EA	PV 1,800 Watt, 12 Volt DC To AC, 120 Volt Inverter With 2 GFCI Outlets (Tripp Lite PV1800GFCI).....	1,117.64		
27 29 00 00-2252	EA	12V DC to AC Permanent Mount Inverter with User-Supplied Cables 1800 continuous wattage 2700 instantaneous wattage 4 ac outlets (Tripp Lite PV1800HF).....	1,004.57		
27 29 00 00-2253	EA	12V DC to AC Inverter Plus with Charge/Load LED's 2000 continuous wattage 3000 overpower wattage 4000 doubleboost wattage 2 ac outlets (Tripp Lite PV2000FC).....	1,526.43		
27 29 00 00-2254	EA	24 Volt DC to AC Inverter Plus with Charge/Load LED's 2400 continuous wattage 3600 overpower wattage 4800 doubleboost wattage 2 ac outlets (Tripp Lite PV2400FC).....	1,787.36		
27 29 00 00-2255	EA	12V DC to AC Permanent Mount Inverter with User-Supplied Cables 3000 continuous wattage 6000 instantaneous wattage 4 ac outlets (Tripp Lite PV3000).....	1,548.17		
27 29 00 00-2256	EA	PV 3000W 12V DC to AC Inverter Plus with 4 GFCI Outlets (Tripp Lite PV3000GFCI).....	2,130.91		
27 29 00 00-2257	EA	12V DC to AC Portable Inverter with DC Auto Power Outlet 375 continuous wattage 600 instantaneous wattage 2 ac outlets (Tripp Lite PV375).....	160.91		
27 29 00 00-2258	EA	12V DC to AC Portable Inverter with User-Supplied Cables 700 continuous wattage 1400 instantaneous wattage 3 ac outlets (Tripp Lite PV700HF).....	300.07		
27 29 00 00-2259	EA	375W Portable PowerVerter Ultra Compact 230V Universal Outlet (Tripp Lite PVINT375).....	182.65		
27 29 00 00-2260	EA	Battery Cartridge for Select APC UPS Models (Tripp Lite RBC11A).....	948.73		
27 29 00 00-2261	EA	Battery Cartridge for Select APC UPS Models (Tripp Lite RBC12A).....	959.30		
27 29 00 00-2262	EA	Battery Cartridge for Select Tripp Lite Models (Tripp Lite RBC24-SLT).....	410.96		
27 29 00 00-2263	EA	Battery Cartridge for Select Tripp Lite Smart Online Tower UPS (Tripp Lite RBC24-SUTWR).....	391.39		
27 29 00 00-2264	EA	Battery Cartridge for Select APC UPS Models (Tripp Lite RBC2A).....	106.85		
27 29 00 00-2265	EA	Battery Cartridge for Select Tripp Lite Models (Tripp Lite RBC36-SLT).....	493.15		
27 29 00 00-2266	EA	Battery Cartridge for Select Tripp Lite Smart Online Tower UPS (Tripp Lite RBC48-SUTWR).....	733.86		
27 29 00 00-2267	EA	Battery Cartridge for Select Tripp Lite And Other Major UPS Brands (Tripp Lite RBC49-2U).....	684.94		
27 29 00 00-2268	EA	Battery Cartridge for Select APC UPS Models (Tripp Lite RBC4A).....	171.04		
27 29 00 00-2269	EA	Battery Cartridge for Select Tripp Lite And Other Major UPS Brands (Tripp Lite RBC51).....	140.90		
27 29 00 00-2270	EA	192 Volt DC Replacement Battery Cartridge select Online UPS 4U (Tripp Lite RBC5-192).....	1,956.96		
27 29 00 00-2271	EA	Battery Cartridge for Select Tripp Lite And Other Major UPS Brands (Tripp Lite RBC52).....	113.50		
27 29 00 00-2272	EA	Battery Cartridge for Select Tripp Lite And Other Major UPS Brands (Tripp Lite RBC53).....	407.05		
27 29 00 00-2273	EA	Battery Cartridge for Select Tripp Lite And Other Major UPS Brands (Tripp Lite RBC54).....	567.52		
27 29 00 00-2274	EA	48 Volt DC Replacement Battery Cartridge for select UPS 2URM (Tripp Lite RBC58-2U).....	1,135.04		
27 29 00 00-2275	EA	Battery Cartridge for Select APC UPS Models (Tripp Lite RBC5A).....	196.09		
27 29 00 00-2276	EA	Battery Cartridge for Select Tripp Lite And Other Major UPS Brands (Tripp Lite RBC62-1U).....	281.80		
27 29 00 00-2277	EA	Battery Cartridge for Select Tripp Lite And Other Major UPS Brands (Tripp Lite RBC64-1U).....	366.95		
27 29 00 00-2278	EA	Battery Cartridge for Select Tripp Lite And Other Major UPS Brands (Tripp Lite RBC69-1U).....	461.84		
27 29 00 00-2279	EA	Battery Cartridge for Select APC UPS Models (Tripp Lite RBC6A).....	410.18		

Communications			27
Data Communications			27 20
Data Communications Network Systems			27 29
MINOR	UNIT COST	DEMOLITION	UNIT COST
CSI UOM DESCRIPTION			

27 29 00 00-2280	EA	Battery Cartridge for Select APC UPS Models (Tripp Lite RBC7A).....	493.15
27 29 00 00-2281	EA	Battery Cartridge for Select APC UPS Models (Tripp Lite RBC8A).....	524.07
27 29 00 00-2282	EA	Battery Cartridge for Select Tripp Lite Smart Online Rackmount UPS (Tripp Lite RBC9-192)	2,270.07
27 29 00 00-2283	EA	Battery Cartridge for Select Tripp Lite And Other Major UPS Brands (Tripp Lite RBC92-2U)	387.48
27 29 00 00-2284	EA	Battery Cartridge for Select Tripp Lite And Other Major UPS Brands (Tripp Lite RBC93-2U).....	532.29
27 29 00 00-2285	EA	Battery Cartridge for Select Tripp Lite And Other Major UPS Brands (Tripp Lite RBC94-2U)	733.86
27 29 00 00-2286	EA	Battery Cartridge for Select Tripp Lite And Other Major UPS Brand (Tripp Lite RBC94-3U).....	634.06
27 29 00 00-2287	EA	72 Volt DC Replacement Battery Cartridge Select Online UPS 2U (Tripp Lite RBC96-2U).....	782.78
27 29 00 00-2288	EA	Battery Cartridge for Select Tripp Lite Models (Tripp Lite RBC96-3U).....	727.99
27 29 00 00-2289	EA	Programmable Relay I/O Card for Smart Online And Pro UPS (Tripp Lite RELAYIOCARD)	652.32
27 29 00 00-2290	EA	UPS Internal Contact Closure Management Accessory Card (Tripp Lite RELAYIOMINI)	434.88
27 29 00 00-2291	EA	6 (front panel) outlets 19" length, 1U, 15-amperes rackmount, locking switch cover, 15 ft. cord (Tripp Lite RS-0615-F).....	166.99
27 29 00 00-2292	EA	6 (rear panel) outlets 19" length, 1U, 15-amperes rackmount, locking switch cover, 15 ft. cord (Tripp Lite RS-0615-R)	166.99
27 29 00 00-2293	EA	12 outlets 15' cord Multiple Outlet Strip 15-Amperes (Tripp Lite RS-1215).....	166.99
27 29 00 00-2294	EA	12 outlets 15' cord Multiple Outlet Strip 20 -Amperes (Tripp Lite RS1215-20).....	219.18
27 29 00 00-2295	EA	12 Outlets 15' Cord Multiple Outlet Strip With Locking Plug 20 Amperes (Tripp Lite RS-1215-20T)	250.49
27 29 00 00-2296	EA	Rackmount Power Distribution Strip. 15 ft. cord. 12 hospital-grade outlets (6 front/6 rear) and hospital-grade plug. (Tripp Lite RS1215-HG).....	343.56
27 29 00 00-2297	EA	12 outlets 15' cord Multiple Outlet Strip 15-Amperes Right-Angled (Tripp Lite RS1215-RA).....	166.99
27 29 00 00-2298	EA	RV 1200W 12V DC to AC Inverter with Isobar Surge UL Tested Hardwired (Tripp Lite RV1250ULHW).....	1,514.69
27 29 00 00-2299	EA	Internal/External SCSI 160 LVD Ribbon Cable HD68M/F(w Bracket) - 21" (Tripp Lite S051-211).....	34.79
27 29 00 00-2300	EA	Internal SCSI 160 2-Drive LVD/SE Ribbon Cable w Terminator 3xHD68M - 22" (Tripp Lite S052-211).....	86.98
27 29 00 00-2301	EA	Internal SCSI 160 3-Drive Ribbon Cable w Terminator 4xHD68M - 36" (Tripp Lite S053-361)	111.33
27 29 00 00-2302	EA	Internal SCSI 160 4-Drive Ribbon Cable w Terminator 5xHD68M - 45" (Tripp Lite S054-451).....	140.55
27 29 00 00-2303	EA	Internal SCSI 160 5-Drive LVD/SE Ribbon Cable w Terminator 6xHD68M - 38" (Tripp Lite S055-381).....	166.99
27 29 00 00-2304	EA	External Active SCSI II Single-end Terminator - HD50M (Tripp Lite S122-000)	17.40
27 29 00 00-2305	EA	External SCSI Ultra320 LVD Active Terminator - HD68M (Tripp Lite S140-000).....	139.16
27 29 00 00-2306	EA	External SCSI Ultra320 LVD Active Terminator - VHDCI68M (Tripp Lite S142-000).....	149.60
27 29 00 00-2307	EA	Internal SCSI Adapter HD68F/50F Socket IDC (Tripp Lite S212-000).....	13.92
27 29 00 00-2308	EA	External SCSI II Adapter HD50M/DB25F (Tripp Lite S236-000).....	6.26
27 29 00 00-2309	EA	SCSI II Cable HD50M/DB25M - 6' (Tripp Lite S362-006)	21.74
27 29 00 00-2310	EA	SCSI II Cable HD50M/M - 6' (Tripp Lite S366-006)	62.62
27 29 00 00-2311	EA	SCSI III Cable HD68M/M - 6' (Tripp Lite S404-006).....	69.58
27 29 00 00-2312	EA	SCSI III to II Cable HD50M/HD68M - 6' (Tripp Lite S410-006)	52.19
27 29 00 00-2313	EA	SCSI III Cable VHDCI68M/HD50M - 6' (Tripp Lite S442-006)	86.98
27 29 00 00-2314	EA	SCSI III Cable VHDCI68M/HD68M - 6' (Tripp Lite S444-006)	97.41
27 29 00 00-2315	EA	SCSI III Cable VHDCI68M/M - 6' (Tripp Lite S446-006).....	100.89
27 29 00 00-2316	EA	SCSI Ultra2/U160/U320 LVD/SE Cable HD68M/M - 10' (Tripp Lite S450-010).....	132.20
27 29 00 00-2317	EA	SCSI Ultra2/U160/U320 LVD/SE Cable Offset -VHDCI68M/HD68M - 6' (Tripp Lite S454-006).....	170.47
27 29 00 00-2318	EA	SCSI Ultra2/U160/U320 LVD/SE Cable - CHDC168(M) / HD68(M) - 3' (Tripp Lite S455-003).....	132.20
27 29 00 00-2319	EA	SCSI Ultra2/U160/U320 LVD/SE Cable VHDCI68M/HD68M - 6' (Tripp Lite S455-006).....	146.12
27 29 00 00-2320	EA	SCSI Ultra2/U160/U320 LVD/SE Cable VHDCI68M/HD68M - 10' (Tripp Lite S455-010).....	180.91
27 29 00 00-2321	EA	SCSI Ultra2/U160/U320 LVD/SE Cable Offset -VHDCI68M/M - 3' (Tripp Lite S456-003)	173.95
27 29 00 00-2322	EA	SCSI Ultra2/U160/U320 LVD/SE Cable VHDCI68M/M - 6' (Tripp Lite S457-006).....	149.60
27 29 00 00-2323	EA	SCSI Ultra2/U160/U320 LVD/SE Cable VHDCI68M/M - 10' (Tripp Lite S457-010).....	180.91
27 29 00 00-2324	EA	1 Meter (3') SAS Cable - SFF-8484 (Tripp Lite S500-01M).....	78.28
27 29 00 00-2325	EA	24" Internal 4 Lane SAS Cable SFF-8484 to 4 x SFF-8482 TAA / GSA (Tripp Lite S501-24N).....	98.80
27 29 00 00-2326	EA	1 Meter (3') SAS Cable - SFF-8484/ x4 Pin Straight (F) (Tripp Lite S502-01M).....	69.58
27 29 00 00-2327	EA	Internal SAS 4-in-1 to 4x1 Cable, 32P to 4x7P - 20IN (Tripp Lite S502-20N).....	52.19
27 29 00 00-2328	EA	24" Int 4 Lane Mini SAS Cable , SAS SFF-8087 to 4 x SFF-8482 TAA (Tripp Lite S504-24N).....	86.98
27 29 00 00-2329	EA	Internal SAS mSAS (SFF-8087) to mSAS (SFF-8087) 36P/36P Cable - 3' (Tripp Lite S506-003).....	93.93
27 29 00 00-2330	EA	Internal SAS mSAS (SFF-8087) to mSAS (SFF-8087) 36P/36P Cable - 18" (Tripp Lite S506-18N).....	83.50
27 29 00 00-2331	EA	Internal SAS mSAS (SFF-8087) to (4) SATA (SFF-8482) 36P/(4) 7P Cable - 3' (Tripp Lite S508-003)	83.50
27 29 00 00-2332	EA	Internal SAS mSAS (SFF-8087) to (4) SATA (SFF-8482) 36P/(4) 7P Cable - 18" (Tripp Lite S508-18N).....	80.02
27 29 00 00-2333	EA	Internal SAS mSAS (SFF-8087) to 4-in-1 (SFF-8484) 36P/32P Cable - 3' (Tripp Lite S510-003).....	125.25
27 29 00 00-2334	EA	Internal SAS mSAS (SFF-8087) to 4-in-1 (SFF-8484) 36P/32P Cable - 18" (Tripp Lite S510-18N).....	107.85
27 29 00 00-2335	EA	1 Meter External SAS Cable, SFF-8088 to SFF-8470 (Tripp Lite S520-01M)	226.14
27 29 00 00-2336	EA	External SAS Cable - 4 Lane - mSAS (SFF-8088) to 4xInfiniband (SFF-8470) - 2m (Tripp Lite S520-02M)	347.90
27 29 00 00-2337	EA	External SAS Cable - 4 Lane - mSAS (SFF-8088) to 4xInfiniband (SFF-8470) - 3m (Tripp Lite S520-03M)	452.28
27 29 00 00-2338	EA	1 Meter External SAS Cable, SFF-8470 to SFF-8470 (Tripp Lite S522-01M)	226.14
27 29 00 00-2339	EA	External SAS Cable - 4 Lane - 4xInfiniband (SFF-8470) to 4xInfiniband (SFF-8470) - 2m (Tripp Lite S522-02M).....	382.69
27 29 00 00-2340	EA	External SAS Cable - 4 Lane - 4xInfiniband (SFF-8470) to 4xInfiniband (SFF-8470) - 3m (Tripp Lite S522-03M).....	487.07
27 29 00 00-2341	EA	1-Meter External SAS Cable, SFF-8088 to SFF-8088 (Tripp Lite S524-01M)	243.53
27 29 00 00-2342	EA	External SAS Cable - 4 Lane - mSAS (SFF-8088) to mSAS (SFF-8088) - 2m (Tripp Lite S524-02M).....	347.90
27 29 00 00-2343	EA	External SAS Cable - 4 Lane - mSAS (SFF-8088) to mSAS (SFF-8088) - 3m (Tripp Lite S524-03M).....	434.88
27 29 00 00-2344	EA	Fibre/SCSI RAID Cable HSSDCM/DB9M - 5M (Tripp Lite S804-05M)	260.93
27 29 00 00-2345	EA	Security Device for Automatic Shutdown of Notebook. (Tripp Lite SEC4002RF).....	127.85
27 29 00 00-2346	EA	Surge Protector Wallmount Direct Plug In 3 Outlet 660 Joules (Tripp Lite SK3-0)	18.28
27 29 00 00-2347	EA	Surge Protector Wallmount Direct Plug In 5 Outlet RJ11 1080 Jls (Tripp Lite SK5TEL-0)	34.79
27 29 00 00-2348	EA	6 outlets direct plug-in cord 360 joules Protect It! Surge Suppressor holds 4 Transformers (Tripp Lite SK6-0/SPIKEBLOK).....	47.84
27 29 00 00-2349	EA	Holds 4 transformers (Black) (Tripp Lite SK6-0B).....	47.84
27 29 00 00-2350	EA	8 outlets 8' cord 1200 joules Protect It! Surge Suppressor holds 4 Transformers (Tripp Lite SK6-6/SPIKEBAR)	91.32
27 29 00 00-2351	EA	TAA Compliant 1000VA UPS Smart Pro Rack/Tower 6 outlets (Tripp Lite SM1000RM2UTAA)	1,761.26
27 29 00 00-2352	EA	1000VA NAFTA Smart Pro Line-Int UPS Rackmount 6 outlets (Tripp Lite SM1000RMNAFTA)	1,800.40
27 29 00 00-2353	EA	1050VA NAFTA Smart Pro Line-Int UPS Tower 6 outlets (Tripp Lite SM1050NAFTA)	1,479.46
27 29 00 00-2354	EA	TAA Compliant 1500VA UPS Smart Pro Rack/Tower 8 outlets (Tripp Lite SM1500RMXL2UTAA)	2,454.03
27 29 00 00-2355	EA	2200VA NAFTA Smart Pro Line-Int UPS Tower 6 outlets (Tripp Lite SM2200NAFTA)	2,661.47
27 29 00 00-2356	EA	2200VA UPS Dual Voltage 120V - 230V TAA / GSA (Tripp Lite SM2200RMDVTAA).....	5,765.20
27 29 00 00-2357	EA	2200VA NAFTA Smart Pro Line-Int UPS Rackmount 9 outlets (Tripp Lite SM2200RMNAFTA)	3,358.14
27 29 00 00-2358	EA	TAA Compliant 2200VA UPS Smart Pro Rack/Tower 8 outlets (Tripp Lite SM2200RMXL2UTAA)	3,475.56
27 29 00 00-2359	EA	3000VA NAFTA Smart Pro Line-Int UPS Tower 8 outlets (Tripp Lite SM3000NAFTA)	3,823.90
27 29 00 00-2360	EA	3000VA NAFTA Smart Pro Line-Int UPS Rackmount 9 outlets (Tripp Lite SM3000RMNAFTA)	3,773.02
27 29 00 00-2361	EA	TAA Compliant 3000VA UPS Smart Pro Rack/Tower 9 outlets (Tripp Lite SM3000RMXL2UTAA)	4,062.65

27 Communications**27 20 Data Communications****27 29 Data Communications Network Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

27 29 00 00-2362	EA	5000VA UPS Smart 120V - 208V 5kVA Ext USB DB9 6U RM TAA / GSA (Tripp Lite SM5000RT3UTAA).....	12,485.40	
27 29 00 00-2363	EA	500VA NAFTA Smart Pro Line-Int UPS Rackmount 7 outlets (Tripp Lite SM500RMNAFTA).....	802.35	
27 29 00 00-2364	EA	550VA NAFTA Smart Pro Line-Int UPS Tower 6 outlets (Tripp Lite SM550UNAFETA).....	438.36	
27 29 00 00-2365	EA	750VA NAFTA Smart Pro Line-Int UPS Tower 6 outlets (Tripp Lite SM750UNAFETA).....	567.52	
27 29 00 00-2366	EA	1050VA UPS System SmartPro Tower Line-Interactive 120V 6 Outlet - 1050 VA, 1 USB (Tripp Lite SMART 1050NET).....	1,084.16	
27 29 00 00-2367	EA	2200VA UPS System SmartPro Tower Network Line-Interactive 120V 6 Outlet - 2200 VA, 1 RS-232, 2 Contact Closure (Tripp Lite SMART 2200NET).....	2,575.36	
27 29 00 00-2368	EA	3000VA UPS System SmartPro Tower Network Line-Interactive 3kVA 120 Volt 8 Outlet - 3000 VA 1 RS-232, 2 Contact Closure (Tripp Lite SMART 3000NET).....	3,326.83	
		Note: Use BP24V33 for Extended Run		
27 29 00 00-2369	EA	700VA UPS System SmartPro Hospital Grade Tower Line-Interactive 120V 4 Outlet - 700 VAUL 60601-1 Listed, 1 RS-232, 1 USB (Tripp Lite SMART 700HG).....	1,917.82	
27 29 00 00-2370	EA	1000VA UPS System SmartPro Rack/Shell/Tower Digital LCD Line-Interactive 120V 8 Outlet - 1000 VA, 1 USB, 1 Line Modem/Fax, 1 Line Coax (Tripp Lite SMART1000LCD).....	497.07	
27 29 00 00-2371	EA	TAA Compliant 1000VA UPS Digital Smart Pro Rack/Tower 8 outlets (Tripp Lite SMART1000LCDTAA).....	653.62	
27 29 00 00-2372	EA	1000VA UPS System SmartPro Rack/Tower Line-Interactive 120V 6 Outlet - 1000VA 1 RS-232, 1 USB, SNMP Slot (Tripp Lite SMART1000RM1U).....	1,776.92	
27 29 00 00-2373	EA	1000VA UPS System SmartPro Rack/Tower Line-Interactive 120V 6 Outlet - 1000VA 1 RS-232, 1 USB, SNMP Slot (Tripp Lite SMART1000RM2U).....	1,565.57	
27 29 00 00-2374	EA	1050VA UPS System SmartPro Tower Line-Interactive 120 Volt, 8 Outlet And Slot - 1050 VA, 1 RS-232, 1 USB, SNMP Slot (Tripp Lite SMART1050SLT).....	1,272.02	
27 29 00 00-2375	EA	TAA Compliant 1050VA UPS Smart Pro Tower 6 outlets And Comm Ports (Tripp Lite SMART1050SLTAA).....	1,409.01	
27 29 00 00-2376	EA	1200VA UPS System SmartPro Rack/Shell/Tower Digital LCD Line-Interactive 120V 8 Outlet - 1200 VA, 1 USB, 1 DB9, 1 Line Modem/Fax/Ethernet (Tripp Lite SMART1200LCD).....	673.19	
27 29 00 00-2377	EA	1000VA UPS System SmartPro Hospital Grade Extended Run Tower Line-Interactive 120 Volt 4 Outlet - 1000 VAUL 60601-1 Listed, 1 RS-232, 1 USB (Tripp Lite SMART1200XLHG).....	2,487.51	
		Note: Use BP36V27 for Extended Run		
27 29 00 00-2378	EA	1500VA UPS System SmartPro Tower Line-Interactive 120V 6 Outlet - 1500 VA, 1 RS-232, 1 USB (Tripp Lite SMART1500).....	1,565.57	
27 29 00 00-2379	EA	1500VA UPS Compact 4U RM Smart Pro Line-Interactive 8 outlets 120V (Tripp Lite SMART1500CRMXL).....	2,896.30	
27 29 00 00-2380	EA	1500VA UPS System SmartPro Rack/Shell/Tower Digital LCD Line-Interactive 120V 8 Outlet - 1500 VA, 1 USB, 1 DB9, 1 Line Modem/Fax/Ethernet (Tripp Lite SMART1500LCD).....	778.87	
27 29 00 00-2381	EA	1500VA 900W UPS Back Up Smart Tower LCD AVR 120V USB Coax RJ45 (Tripp Lite SMART1500LCDT).....	649.71	
27 29 00 00-2382	EA	1500VA UPS Smart LCD AVR 120V Ext Run USB DB9 RJ11 RJ45 2U RM (Tripp Lite SMART1500LCDXL).....	978.48	
27 29 00 00-2383	EA	1500VA UPS System SmartPro Rack/Tower Line-Interactive 120V 8 Outlet - 1500VA 1 RS-232, 1 USB, SNMP Slot (Tripp Lite SMART1500RM2U).....	2,043.07	
27 29 00 00-2384	EA	1500VA UPS System SmartPro Rack/Tower Extended Run Line-Interactive 120 Volt 8 Outlet - 1500 VA 1 RS-232, 1 USB, SNMP Slot (Tripp Lite SMART1500RMXL2U).....	2,254.42	
		Note: Use BP36V15-2U or BP36V42-3U for Extended Run		
27 29 00 00-2385	EA	1500VA UPS System SmartPro Tower Line-Interactive 120 Volt, 8 Outlet And Slot - 1500 VA, 1 RS-232, 1 USB, SNMP Slot (Tripp Lite SMART1500SLT).....	1,722.12	
27 29 00 00-2386	EA	1500VA UPS System SmartPro Tower Extended Run Line-Interactive 120 Volt 6 Outlet - 1500 VA 1 RS-232, 1 USB (Tripp Lite SMART1500XL).....	1,863.03	
		Note: Use BP36V27 for Extended Run		
27 29 00 00-2387	EA	TAA Compliant 1500VA UPS Smart Pro Tower Ext Run 6 outlets (Tripp Lite SMART1500XLTAA).....	2,035.24	
27 29 00 00-2388	EA	2200VA UPS Compact 4U RM Smart Pro Line-Interactive 8 outlets 120V (Tripp Lite SMART2200CRMXL).....	3,855.21	
27 29 00 00-2389	EA	2200VA UPS Smart Pro Rack/Tower Line-Interactive 8 outlets (Tripp Lite SMART2200RM2U).....	3,064.60	
27 29 00 00-2390	EA	2200VA UPS System SmartPro Rack/Tower Line-Interactive 120 Volt 8 Outlet - 2200 VA2 RS-232, 2 USB, SNMP Slot (Tripp Lite SMART2200RMXL2U).....	3,150.71	
		Note: Use BP48V24-2U or BP48V60RT-3U for Extended Run		
27 29 00 00-2391	EA	2200VA UPS System SmartPro Tower Line-Interactive 120V 7 Outlet - 2200 VA, 1 USB, 1 DB9, SNMP Slot. (Tripp Lite SMART2200SLT).....	2,634.07	
27 29 00 00-2392	EA	TAA Compliant 2200VA UPS Smart Pro Tower 7 outlets And Comm Ports (Tripp Lite SMART2200SLTAA).....	2,904.13	
27 29 00 00-2393	EA	2200VA UPS System SmartPro Tower VS Line-Interactive 120V 9 Outlet - 2200 VA2 RS-232, 2 USB, SNMP Slot (Tripp Lite SMART2200VS).....	2,348.35	
27 29 00 00-2394	EA	2200VA UPS System SmartPro Tower Extended Run Line-Interactive 120 Volt 10 Outlet - 2200 VA 2 RS-232, 1 USB, SNMP Slot (Tripp Lite SMART2200VSXL).....	2,653.64	
		Note: Use BP48V18 for Extended Run		
27 29 00 00-2395	EA	2600VA UPS System SmartPro Rack/Tower Line-Interactive 120 Volt 9 Outlet - 2600 VA2 RS-232, 2 USB, SNMP Slot (Tripp Lite SMART2600RM2U).....	3,381.63	
		Note: Use BP48V24-2U or BP48V60RT-3U for Extended Run		
27 29 00 00-2396	EA	3000VA UPS Compact 4U RM Smart Pro Line-Interactive 9 outlets 120V (Tripp Lite SMART3000CRMXL).....	4,626.25	
27 29 00 00-2397	EA	3000VA UPS System SmartPro Rack/Tower Line-Interactive 3kVA 120 Volt 9 Outlet - 3000 VA2 RS-232, 2 USB, SNMP Slot (Tripp Lite SMART3000RM2U).....	3,549.93	
		Note: Use BP48V24-2U or BP48V60RT-3U for Extended Run		
27 29 00 00-2398	EA	3,000VA Modular UPS Rack/Tower Line-Interactive With Battery Detection 7 Outlets (Tripp Lite SMART3000MOD2U).....	4,399.25	
27 29 00 00-2399	EA	3000VA UPS System SmartPro Rack/Tower Line-Interactive 3kVA 120V 9 Outlet USB, serial, EPO, SNMP Slot (Tripp Lite SMART3000RMXL2U).....	3,612.55	
27 29 00 00-2400	EA	3000VA UPS System SmartPro Tower Line-Interactive 120V 7 Outlet - 3000 VA, 1 USB, 1 DB9, SNMP Slot (Tripp Lite SMART3000SLT).....	3,518.61	
27 29 00 00-2401	EA	3000VA UPS System SmartPro Tower VS Line-Interactive 3kVA 120 Volt 10 Outlet - 3000 VA2 RS-232, 1 USB, SNMP Slot (Tripp Lite SMART3000VS).....	3,095.91	
		Note: Use BP48V18 for Extended Run		
27 29 00 00-2402	EA	5000VA UPS System SmartPro Rack/Tower Line-Interactive 5kVA 120/208 Volt Output 14 Outlet - 5000 VA2 RS-232, 2 USB, SNMP Slot (Tripp Lite SMART5000RT-3U).....	9,898.30	
		Note: Use BP48V60RT-3U for Extended Run		
27 29 00 00-2403	EA	5000VA UPS System SmartPro Rack/Tower Line-Interactive 5kVA 120V/208V Output 5 Outlet TEL - 5000 VA 1 RS-232, 1 USB, 1 DB9, SNMP Slot (Tripp Lite SMART5000TEL3U).....	7,624.32	
27 29 00 00-2404	EA	5000VA UPS System SmartPro Rack/Tower Line-Interactive 5kVA 120/208 Volt Output 11 Outlet - 5000 VA 1 RS-232, 1 USB, 1 DB9, SNMP Slot (Tripp Lite SMART5000XFMXXL).....	9,522.57	
		Note: Use BP48V60RT-3U for Extended Run		
27 29 00 00-2405	EA	500VA UPS System SmartPro Rack/Tower Line-Interactive 120V 7 Outlet - 500VA 1 RS-232, 1 USB, SNMP Slot (Tripp Lite SMART500RT1U).....	618.40	
27 29 00 00-2406	EA	550VA UPS System SmartPro Tower USB Line-Interactive 120V 6 Outlet - 550 VA, 1 USB, 1 Line Modem/Fax (Tripp Lite SMART550USB).....	395.31	
27 29 00 00-2407	EA	TAA Compliant 550VA UPS Smart Pro Tower 6 outlets And USB Port (Tripp Lite SMART550USBTAA).....	473.58	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-2408	EA	550VA UPS System SmartPro Tower USB Line-Interactive 120 Volt, 6 Outlet With Watchdog Software - 550VA, 1 USB, 1 Line Modem/Fax (Tripp Lite SMART550USBWD)	454.01	
27 29 00 00-2409	EA	700VA UPS System SmartPro Tower Line-Interactive Dual Voltage 6 Outlet 1 RS-232, 1 USB, SNMP Slot (Tripp Lite SMART700DV)	2,504.91	
27 29 00 00-2410	EA	700VA UPS System SmartPro Tower Line-Interactive 120 Volt, 6 Outlet And Serial Port - 700 VA, 1 RS-232 (Tripp Lite SMART700SER)	853.23	
27 29 00 00-2411	EA	750VA UPS System SmartPro Tower Line-Interactive 120V 6 Outlet. 1 USB (Tripp Lite SMART750)	806.27	
27 29 00 00-2412	EA	750VA UPS System SmartPro Rack/Tower Line-Interactive 120V 6 Outlet - 750 VA 1 RS-232, 1 USB, SNMP Slot (Tripp Lite SMART750RM1U).....	1,389.44	
27 29 00 00-2413	EA	750VA UPS System SmartPro Rack/Tower Extended Run Line-Interactive 120 Volt 6 Outlet - 750VA 1 RS-232, 1 USB, SNMP Slot, (Tripp Lite SMART750RMXL2U)	1,432.49	
		Note: Use BP24V28-2U or BP24V70-3U for Extended Run		
27 29 00 00-2414	EA	750VA UPS System SmartPro Tower Line-Interactive 120 Volt, 8 Outlet And Slot - 750 VA, 1 RS-232, 1 USB, SNMP Slot (Tripp Lite SMART750SLT).....	1,041.10	
27 29 00 00-2415	EA	750VA UPS System SmartPro Tower USB Line-Interactive 120V 6 Outlet - 750 VA, 1 USB, 1 Line Modem/Fax/Ethernet (Tripp Lite SMART750USB)	485.33	
27 29 00 00-2416	EA	TAA Compliant 750VA UPS Smart Pro Tower 6 Outlets And USB Port (Tripp Lite SMART750USBTAA)	544.03	
27 29 00 00-2417	EA	750VA UPS Smart Pro Tower Ext Run Line-Interactive 8 outlets (Tripp Lite SMART750XLA)	1,295.51	
27 29 00 00-2418	EA	1500VA International UPS System SmartPro Tower Line-Interactive 230V 6 Outlet - 1500 VA, 2 RS-232 (Tripp Lite SMARTINT1500).....	1,615.36	
27 29 00 00-2419	EA	2200VA International UPS System SmartPro Tower VS Line-Interactive 230V 9 Outlet - 2200 VA2 RS-232, 2 USB, SNMP Slot (Tripp Lite SMARTINT2200VS)	2,491.21	
27 29 00 00-2420	EA	3000VA International UPS System SmartPro Tower VS Line-Interactive 3kVA 230 Volt 9 Outlet - 3000 VA 2 RS-232, 2 USB, SNMP Slot (Tripp Lite SMARTINT3000VS)	3,643.86	
		Note: Use BP48V18 for Extended Run		
27 29 00 00-2421	EA	1000VA International UPS System SmartPro Rack/Tower Digital LCD 230V Line-Interactive 6 Outlet - 1000 VA 1 USB, 1 Line-Modem/Fax, 1 Line Coax (Tripp Lite SMX1000LCD).....	751.91	
27 29 00 00-2422	EA	1000VA International UPS System SmartPro Rack/Tower Line-Interactive 230V 6 Outlet - 1000 VA 1 RS-232, 1 USB, SNMP Slot (Tripp Lite SMX1000RT2U)	1,780.62	
27 29 00 00-2423	EA	1050VA International UPS System SmartPro Tower Line-Interactive 230V 8 Outlet - 1000 VA, 1 USB, 1 DB9, SNMP Slot. (Tripp Lite SMX1050SLT)	1,350.95	
27 29 00 00-2424	EA	1200VA Intl UPS Smart Pro Tower Hospital Grd Extended Run Line-Interactive 6 IEC C13 (Tripp Lite SMX1200XLHG).....	2,338.35	
27 29 00 00-2425	EA	1500VA International UPS System SmartPro Rack/Tower Digital LCD 230V Line-Interactive 6 Outlet - 1500 VA 1 USB, 1 Line-Modem/Fax, 1 Line Coax (Tripp Lite SMX1500LCD).....	1,094.81	
27 29 00 00-2426	EA	1500VA International UPS System SmartPro Tower Line-Interactive 230V 8 Outlet - 1500 VA, 1 USB, 1 DB9, SNMP Slot. (Tripp Lite SMX1500SLT)	1,710.38	
27 29 00 00-2427	EA	1500VA International UPS System SmartPro Rack/Tower Line-Interactive 230 Volt 8 Outlet - 1500 VA 1 RS-232, 1 USB, SNMP Slot (Tripp Lite SMX1500XLRT2U)	2,429.24	
		Note: Use BP36V15-2U for Extended Run		
27 29 00 00-2428	EA	TAA Compliant 2200VA Intl UPS Smart Pro Rack/Tower 8 outlets 230V (Tripp Lite SMX2200RT2UTAA).....	3,771.93	
27 29 00 00-2429	EA	2200VA International UPS System SmartPro Rack/Tower Line-Interactive 230 Volt 8 Outlet - 2200 VA 1 RS-232, 1 USB, 1 DB9, SNMP Slot (Tripp Lite SMX2200XLRT2U).....	3,462.08	
		Note: Use BP48V24-2U or BP48V60RT-3U for Extended Run		
27 29 00 00-2430	EA	TAA Compliant 3000VA Intl UPS Smart Pro Rack/Tower 9 outlets 230V (Tripp Lite SMX3000RT2UTAA).....	4,453.61	
27 29 00 00-2431	EA	3000VA International UPS System SmartPro Rack/Tower Line-Interactive 3kVA 230 Volt 9 Outlet - 3000 VA 2 RS-232, 2 USB, SNMP Slot (Tripp Lite SMX3000XLRT2U)	4,090.05	
		Note: Use BP48V24-2U or BP48V60RT-3U for Extended Run		
27 29 00 00-2432	EA	5000VA International UPS System SmartPro Rack/Tower Line-Interactive 5kVA 230 Volt 11 Outlet - 5000 VA 1 RS-232, 1 USB, 1 DB9, SNMP Slot (Tripp Lite SMX5000XLRT3U).....	7,312.51	
		Note: Use BP48V60RT-3U for Extended Run		
27 29 00 00-2433	EA	500VA International UPS System SmartPro Rack/Tower Line-Interactive 230V 6 Outlet - 500 VA 1 RS-232, 1 USB, SNMP Slot (Tripp Lite SMX500RT1U)	776.70	
27 29 00 00-2434	EA	700VA Intl UPS Smart Pro Tower Hospital Grade Line-Interactive 6 IEC320 C13 (Tripp Lite SMX700HG).....	1,821.93	
27 29 00 00-2435	EA	750VA International UPS System SmartPro Tower Line-Interactive 230V 8 Outlet - 750 VA1 RS-232, 1 USB, SNMP Slot (Tripp Lite SMX750SLT)	1,123.73	
27 29 00 00-2436	EA	Internal Universal SNMP/Web management accessory card connects UPS to Ethernet. (Tripp Lite SNMPWEBCARD).....	761.04	
27 29 00 00-2437	EA	TAA Compliant Internal SNMP Card for Remote UPS Management (Tripp Lite SNMPWEBCARDTAA).....	869.76	
27 29 00 00-2438	EA	1 outlets direct plug-in cord 750 joules Protect It! Surge Suppressor holds 1 Transformer (Tripp Lite SPIKECUBE).....	20.35	
27 29 00 00-2439	EA	Surge Protector Hospital Grade 4 Outlet UL60601-1 UL60950-1 (Tripp Lite SPS415HGULTRA)	439.23	
27 29 00 00-2440	EA	Surge Protector Strip Medical RT Angle Plug 6 Outlet 6ft Cord (Tripp Lite SPS606HGRA)	256.58	
27 29 00 00-2441	EA	Surge Protector Strip Medical RT Angle Plug 6 Outlet 10ft Cord (Tripp Lite SPS610HGRA)	260.93	
27 29 00 00-2442	EA	Economy Surge Suppressor. 15 ft. cord. 6 hospital-grade outlets and hospital-grade plug. (Tripp Lite SPS-615-HG).....	252.23	
27 29 00 00-2443	EA	12U Rack Enclosure Server Cabinet 33" Deep With Doors And Sides (Tripp Lite SR12UB)	1,761.26	
27 29 00 00-2444	EA	SmartRack 1U Horizontal Brush Strip (Tripp Lite SR1UBRUSH)	107.63	
27 29 00 00-2445	EA	SmartRack 10pcs 1U Blanking Panel (Tripp Lite SR1UPANEL10).....	136.99	
27 29 00 00-2446	EA	SmartRack 50pcs 1U Blanking Panel (Tripp Lite SR1UPANEL50).....	430.53	
27 29 00 00-2447	EA	25U Standard Enclosure (black). 24 in. width 42 in. depth (Tripp Lite SR25UB)	3,319.00	
27 29 00 00-2448	EA	24" Wide x 42" Deep, SmartRack 25U with Sides 1250lb Load Cap Shock Pallet And Ramp. (Tripp Lite SR25UBSP1).....	4,003.94	
27 29 00 00-2449	EA	TAA Compliant 25U Black Rack Enclosure 3000lb Load Capacity (Tripp Lite SR25UBTAA).....	3,890.44	
27 29 00 00-2450	EA	2-Post Open Frame Rack, Threaded Holes (black). 45U (Tripp Lite SR2POST).....	547.95	
27 29 00 00-2451	EA	SmartRack 2-Post Open Frame Rack (25U) (Tripp Lite SR2POST25).....	508.81	
27 29 00 00-2452	EA	TAA Compliant 45U 2-Post Black Open Frame Rack (Tripp Lite SR2POSTAA)	630.14	
27 29 00 00-2453	EA	Side panel for 42U cabinets (Tripp Lite SR42SIDE)	254.40	
27 29 00 00-2454	EA	42U Standard Enclosure (black). 24 in. width 42 in. depth (Tripp Lite SR42UB)	3,706.48	
27 29 00 00-2455	EA	42U SmartRack Enclosure Co-Location (black, with doors and side panels) 2,250 rolling to 3,000 LB stationary load capacity. 24" width x 37" depth (Tripp Lite SR42UBCL)	6,426.66	
27 29 00 00-2456	EA	42U Rack Enclosure Server Cabinet Deep 3000lb Load Capacity (Tripp Lite SR42UBDP)	5,189.86	
27 29 00 00-2457	EA	42U Rack Enclosure Server Cabinet Deep/Wide 3000lb Load Capacity (Tripp Lite SR42UBDPWD).....	6,457.97	
27 29 00 00-2458	EA	42U Rack Enclosure Server Cabinet Industrial NEMA 12 Seismic (Tripp Lite SR42UBEIS).....	6,986.35	
27 29 00 00-2459	EA	42U Standard Enclosure (black, without side panels). 24 in. width 42 in. depth (Tripp Lite SR42UBEXP).....	3,252.47	
27 29 00 00-2460	EA	42U Open Frame Rack Enclosure Server Cabinet 3000lb Capacity (Tripp Lite SR42UBEXPND)	2,872.82	
27 29 00 00-2461	EA	42U Rack Enclosure Server Cabinet With Plexiglass Front Door (Tripp Lite SR42UBG)	4,227.03	
27 29 00 00-2462	EA	SmartRack 42U Knock-Down Black Rack Enclosure with 2250 to 3000 lb load capacity. 23.63 in. width 43 in. depth (Tripp Lite SR42UBKD)	3,393.37	

27 Communications
27 20 Data Communications
27 29 Data Communications Network Systems

MINOR		DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
CSI	UOM			
27 29 00 00-2463	EA	42U Rack Enclosure Shallow Depth w Doors And Sides 3,000 Lb. Capacity (Tripp Lite SR42UBSD).....	3,776.93	
27 29 00 00-2464	EA	24" Wide x 42" Deep, SmartRack 42U With Sides 2500lb Load Cap Shock Pallet And Ramp. (Tripp Lite SR42UBSP1).....	4,375.76	
27 29 00 00-2465	EA	TAA Compliant 42U Black Rack Enclosure 3000lb Load Capacity (Tripp Lite SR42UBTAA).....	4,387.50	
27 29 00 00-2466	EA	42U Rack Enclosure Server Cabinet Thermal Duct Green Cooling (Tripp Lite SR42UBTD).....	5,088.10	
27 29 00 00-2467	EA	42U SmartRack Enclosure WIDE (black, with doors and side panels) 2,250 rolling to 3,000 LB stationary load capacity. 29.5" width x 37" depth (Tripp Lite SR42UBWD).....	4,767.15	
27 29 00 00-2468	EA	TAA Compliant 42U Wide Rack Enclosure 3000lb Load Capacity (Tripp Lite SR42UBWDTAA).....	5,221.17	
27 29 00 00-2469	EA	42U Rack Enclosure Server Cabinet Seismic (Tripp Lite SR42UBZ4).....	6,986.35	
27 29 00 00-2470	EA	45U Rack Enclosure Server Cabinet Doors And Sides 3,000 Lb. Capacity (Tripp Lite SR45UB).....	4,258.34	
27 29 00 00-2471	EA	SmartRack 48U Black Rack Enclosure with 2250 to 3000 lb load capacity. 23.63 in. width 43 in. depth (Tripp Lite SR48UB).....	4,598.86	
27 29 00 00-2472	EA	48U SmartRack Enclosure Co-Location (black, with doors and side panels) 2,250 rolling to 3,000 LB stationary load capacity. 24" width x 37" depth (Tripp Lite SR48UBCL).....	7,796.53	
27 29 00 00-2473	EA	48U SmartRack Enclosure Expansion (black, with doors, No side panels) 2250 rolling to 3000lb stationary load capacity. 24 in. width 37 in. depth (Tripp Lite SR48UBEXP).....	3,819.99	
27 29 00 00-2474	EA	SmartRack 48U Rack Enclosure on Shock Pallet with 3,000 LB Load Capacity (Tripp Lite SR48UBSP1).....	5,330.76	
27 29 00 00-2475	EA	TAA Compliant 48U Black Rack Enclosure 3000lb Load Capacity (Tripp Lite SR48UBTAA).....	4,935.45	
27 29 00 00-2476	EA	4-Post Open Frame Rack, Square Holes (black). Adjustable depth. 45U 24-36in. depth (Tripp Lite SR4POST).....	1,236.80	
27 29 00 00-2477	EA	45U 4-Post Open Frame Rack Cabinet Threaded 12-24 Mounted Holes (Tripp Lite SR4POST1224).....	1,369.87	
27 29 00 00-2478	EA	SmartRack 4-Post Open Frame Rack (13U) (Tripp Lite SR4POST13).....	857.15	
27 29 00 00-2479	EA	25U 4-Post Open Frame Rack Square Holes 1000lb Capacity (Tripp Lite SR4POST25).....	1,115.47	
27 29 00 00-2480	EA	TAA Compliant 45U 4-Post Black Open Frame Rack (Tripp Lite SR4POSTAA).....	1,663.42	
27 29 00 00-2481	EA	SmartRack Bolt Down Kit (Tripp Lite SRBOLTDOWN).....	117.42	
27 29 00 00-2482	EA	Brush Strip Plate for Wallmount Rack Enclosure Server Cabinet (Tripp Lite SRBRUSHWM).....	117.42	
27 29 00 00-2483	EA	SmartRack 1U Horizontal Cable Manager (finger) (Tripp Lite SRCABLEDUCT1U).....	152.64	
27 29 00 00-2484	EA	Rack Enclosure Horizontal Cable Manager Steel w Finger Duct 1URM (Tripp Lite SRCABLEDUCT1UHD).....	172.21	
27 29 00 00-2485	EA	Rack Enclosure Horizontal Cable Manager Steel w Finger Duct 2URM (Tripp Lite SRCABLEDUCT2UHD).....	234.84	
27 29 00 00-2486	EA	SmartRack 6ft Vertical Cable Manager (finger) (Tripp Lite SRCABLEDUCTVRT).....	430.53	
27 29 00 00-2487	EA	SmartRack Cable Ladder 12" x 10" (Tripp Lite SRCABLELADDER).....	594.92	
27 29 00 00-2488	EA	SmartRack 1U Horizontal Cable Manager (ring) (Tripp Lite SRCABLERING1U).....	121.33	
27 29 00 00-2489	EA	SmartRack 2U Horizontal Cable Manager (ring) (Tripp Lite SRCABLERING2U).....	133.07	
27 29 00 00-2490	EA	SmartRack 6ft Vertical Cable Manager (ring) (Tripp Lite SRCABLERINGVRT).....	352.25	
27 29 00 00-2491	EA	SmartRack Roof Mount Cable Trough (Tripp Lite SRCABLETRAY).....	270.06	
27 29 00 00-2492	EA	SmartRack Expansion Lid for Above Cable Trough (Tripp Lite SRCABLETRAYEXP).....	227.01	
27 29 00 00-2493	EA	6ft Vertical Cable Manager for Open Frame Rack 12in Wide (Tripp Lite SRCABLEVRT12).....	1,252.45	
27 29 00 00-2494	EA	6ft Vertical Cable Manager for Open Frame Rack 3in Wide (Tripp Lite SRCABLEVRT3).....	657.54	
27 29 00 00-2495	EA	6ft Vertical Cable Manager for Open Frame Rack 6in Wide (Tripp Lite SRCABLEVRT6).....	908.03	
27 29 00 00-2496	EA	SmartRack Cage Nut Kit (Tripp Lite SRCAGENUITS).....	97.85	
27 29 00 00-2497	EA	SmartRack Caster Kit for SR4POST to be Mobile (Tripp Lite SRCASTER).....	230.92	
27 29 00 00-2498	EA	Rack Enclosure Cabinet Heavy-Duty Mobile Rolling Caster Kit (Tripp Lite SRCASTERHDKIT).....	363.99	
27 29 00 00-2499	EA	SmartRack Combination Lock/Door Handle (2 pack) (Tripp Lite SRCOMBO).....	559.69	
27 29 00 00-2500	EA	Portable Cooling Unit / Air Conditioner 3.4kW, 120 Volt, 60 Hertz, 12,000 BTU (Tripp Lite SRCOOL12K).....	2,387.49	
27 29 00 00-2501	EA	Rack Cooling / In Row Air Conditioner 208 Volt/240 Volt, 50/60 Hertz, 33,000 BTU (Tripp Lite SRCOOL33K).....	34,364.22	
27 29 00 00-2502	EA	SmartRack Extension Ring for 25U, 42U And 48U Enclosures (Tripp Lite SREXTENDER).....	1,174.18	
27 29 00 00-2503	EA	SmartRack 3U Fan Panel (Tripp Lite SRFAN3U).....	489.24	
27 29 00 00-2504	EA	SmartRack Roof Mount Fan for Airflow Management (Tripp Lite SRFANROOF).....	904.12	
27 29 00 00-2505	EA	Wallmount Rack Enclosure Cooling Roof Fan Kit 120V 5-15P (Tripp Lite SRFANWM).....	230.92	
27 29 00 00-2506	EA	Rack Enclosure Server Cabinet Filter Kit 25U / 42U / 45U / 48U (Tripp Lite SRFILTER).....	215.27	
27 29 00 00-2507	EA	SmartRack Airflow Optimization (Tripp Lite SRGASKET).....	230.92	
27 29 00 00-2508	EA	42U Rack Enclosure Server Cabinet Copper Bus Grounding Bar (Tripp Lite SRGROUND).....	348.34	
27 29 00 00-2509	EA	Rack Roof Hardware Kit Connecting SRCABLELADDER to Wall or Open Frame Rack (Tripp Lite SRLADDERATTACH).....	119.37	
27 29 00 00-2510	EA	SmartRack Threaded Hole Hardware Kit (Tripp Lite SRSCREWS).....	41.10	
27 29 00 00-2511	EA	SmartRack Fixed 2U Cantilever Shelf (Tripp Lite SRSHELF2P).....	168.30	
27 29 00 00-2512	EA	Fixed 1U Cantilever Shelf for 2-Post / 4-Post Rack Enclosure (Tripp Lite SRSHELF2P1U).....	160.47	
27 29 00 00-2513	EA	SmartRack Heavy-Duty Fixed Shelf (Tripp Lite SRSHELF4PHD).....	281.80	
27 29 00 00-2514	EA	SmartRack Keyboard Shelf (Tripp Lite SRSHELF4PKYBD).....	622.31	
27 29 00 00-2515	EA	SmartRack Standard Sliding Shelf (Tripp Lite SRSHELF4PSL).....	563.60	
27 29 00 00-2516	EA	SmartRack Heavy-Duty Sliding Shelf (Tripp Lite SRSHELF4PSLHD).....	1,052.84	
27 29 00 00-2517	EA	SmartRack Skirt for Bottom of Racks to Minimize Airflow (Tripp Lite SRSKIRT).....	164.38	
27 29 00 00-2518	EA	SmartRack Anti-Tip Stabilizer Plate (Tripp Lite SRSTABILIZE).....	207.44	
27 29 00 00-2519	EA	SmartRack Magnetic Door Switch (2 pack) (Tripp Lite SRSWITCH).....	136.99	
27 29 00 00-2520	EA	42U - 48U Rack Enclosure Cabinet Thermal Duct Passive Cooling (Tripp Lite SRTHERMDUCT).....	1,643.85	
27 29 00 00-2521	EA	10U Wall mount Rack Enclosure Cabinet With Door and Side Panels (Tripp Lite SRW10US).....	1,174.18	
27 29 00 00-2522	EA	12U Wall Mount Rack Enclosure Cabinet With Door And Side Panels (Tripp Lite SRW12U).....	1,056.76	
27 29 00 00-2523	EA	SmartRack 12U Wall Mount Enclosure with Doors and Side Panels (Tripp Lite SRW12US).....	1,213.32	
27 29 00 00-2524	EA	12U Wall mount Rack Enclosure Cabinet With 33" Extended Depth (Tripp Lite SRW12US33).....	1,761.26	
27 29 00 00-2525	EA	12U Wall mount Rack Enclosure Cabinet With Plexiglass Front Door (Tripp Lite SRW12USG).....	1,291.59	
27 29 00 00-2526	EA	12U Wall Mount Rack Enclosure Hinged Wallmount Industrial NEMA (Tripp Lite SRW12USNEMA).....	2,230.93	
27 29 00 00-2527	EA	18U Wall mount Rack Enclosure Cabinet With Door and Side Panels (Tripp Lite SRW18US).....	1,859.11	
27 29 00 00-2528	EA	26U Wall mount Rack Enclosure Cabinet With Door and Side Panels (Tripp Lite SRW26US).....	2,504.91	
27 29 00 00-2529	EA	6U Wall mount Rack Enclosure Cabinet With Door And Side Panels (Tripp Lite SRW6U).....	587.09	
27 29 00 00-2530	EA	9U Wall Mount Rack Enclosure Cabinet With Door And Side Panels (Tripp Lite SRW9U).....	782.78	
27 29 00 00-2531	EA	5U Wall Mount Low Profile Secure Rack Enclosure Cabinet Vertical (Tripp Lite SRWF5U).....	1,174.18	
27 29 00 00-2532	EA	12U Wall Mount Pivoting Open Frame Rack Cabinet Hinged (Tripp Lite SRW012US).....	587.09	
27 29 00 00-2533	EA	Wall Mount 2-Post Open Frame Rack Cabinet 8U / 14U / 22U (Tripp Lite SRW08U22).....	391.39	
27 29 00 00-2534	EA	Portable Cooling Unit / Air Conditioner 3.4kW, 230 Volt, 50 Hertz, 12,000 BTU (Tripp Lite SRXCOOL12K).....	2,602.76	
27 29 00 00-2535	EA	SmartRack 3U Fan Panel (230V) (Tripp Lite SRXFAN3U).....	493.15	
27 29 00 00-2536	EA	SmartRack Roof Mount Fan (230V) (Tripp Lite SRXFANROOF).....	861.06	
27 29 00 00-2537	EA	16 outlets 15' cord 450 joules Multiple Outlet Strip with Surge 15-Amperes (Tripp Lite SS7415-15).....	212.22	
27 29 00 00-2538	EA	16 outlets 15' cord 450 joules Multiple Outlet Strip with Surge 15-Amperes (Tripp Lite SS7619-15).....	242.66	
27 29 00 00-2539	EA	6 outlets 6' cord 360 joules Protect It! Surge Suppressor holds 3 Transformers (Tripp Lite STIKER).....	53.06	
27 29 00 00-2540	EA	7 outlets 6' cord 750 joules Protect It! Surge Suppressor holds 4 Transformers (Tripp Lite STRIKER).....	46.97	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-2541	EA	10,000 VA UPS System SmartOnline Rack/Tower PureSine 10kVA 200V-240V Output 6 Outlet - 10,000 VA Detachable Bypass PDU, 1 RS-232, 1 DB9, SNMP Slot, Use BP240V10RT-3U for Extended Run (Tripp Lite SU10000RT3U).....	16,129.26	
27 29 00 00-2542	EA	10,000 VA UPS System SmartOnline Rack/Tower PureSine 10kVA Transformer 120V/208V Output Hardwire - 10,000 VA Detachable Bypass PDU, 1 RS-232, 1 USB, SNMP Slot, Use BP240V10RT-3U for Extended Run (Tripp Lite SU10000RT3U2TF).....	19,553.94	
27 29 00 00-2543	EA	10,000 VA Global Smart Online UPS RM 6U (6)C19 outlets 10kVA 200/240V (Tripp Lite SU10000RT3UG).....	16,575.45	
27 29 00 00-2544	EA	1000VA UPS System SmartOnline Rack/Tower PureSine 120 Volt 6 Outlet - 1000VA1 RS-232, 1 USB, SNMP Slot, (Tripp Lite SU1000RTXL2UA).....	1,953.05	
		Note: Use BP24V28-2U or BP24V70-3U for Extended Run		
27 29 00 00-2545	EA	1000VA 900W UPS Smart Online Rackmount LCD 100V-120V USB 2URM (Tripp Lite SU1000RTXLCD2U).....	2,344.44	
27 29 00 00-2546	EA	1000VA UPS System SmartOnline Tower Extended Run PureSine 120 Volt 6 Outlet - 1000 VA 1 RS-232, 1 USB, SNMP Slot (Tripp Lite SU1000XLA).....	1,698.64	
		Note: Use BP24V14 or BP24V34 for Extended Run		
27 29 00 00-2547	EA	10000VA International UPS System SmartOnline Tower PureSine 3-Phase 10kVA Hardwire - 10000 VA1 RS-232, 1 DB9, 1 AS-400, SNMP Slot, Use BP240V10RT-3U or BP240V33 for Extended Run (Tripp Lite SU10K3/1X).....	16,732.01	
27 29 00 00-2548	EA	10kVA Intl 3-Phase Smart Online UPS for Data Centers And Large Networks (Tripp Lite SU10KRT3/1X).....	15,851.38	
27 29 00 00-2549	EA	10000VA UPS System SmartOnline Rack/Tower PureSine 10kVA 200V-240V/120V Output Hardwire - 10000 VA Auto Sensing 1 RS-232, 1 DB9, SNMP Slot, Use BP240V10RT-3U for Extended Run (Tripp Lite SU10KRT3U).....	19,291.71	
27 29 00 00-2550	EA	10000VA UPS System SmartOnline Rack/Tower PureSine HIGH Voltage 10kVA 200V-240V Output Hardwire - 10000 VA Auto Sensing 1 RS-232, 1 DB9, SNMP Slot, Use BP240V10RT-3U for Extended Run (Tripp Lite SU10KRT3UHV).....	15,471.73	
27 29 00 00-2551	EA	12000VA UPS Smart Online Hot Swap 8U RM 12kVA 120-240V (Tripp Lite SU12000RT4U).....	23,072.56	
27 29 00 00-2552	EA	12000VA UPS Smart Online Hot Swap Hard Wire 8U RM 12kVA 120-240V (Tripp Lite SU12000RT4UHW).....	23,072.56	
27 29 00 00-2553	EA	12000VA UPS Smart Online Hard Wire Hot Swap 8U RM 12kVA 200-240V (Tripp Lite SU12KRT4UHW).....	21,557.87	
27 29 00 00-2554	EA	1500VA NAFTA Smart Online PureSine UPS Rackmount 6 outlets (Tripp Lite SU1500RMNAFTA).....	3,248.55	
27 29 00 00-2555	EA	1500VA UPS System SmartOnline Rack/Tower PureSine 120 Volt 6 Outlet - 1500 VA 1 RS-232, 1 USB, SNMP Slot (Tripp Lite SU1500RTXL2UA).....	2,500.99	
		Note: Use BP48V24-2U or BP48V60RT-3U for Extended Run		
27 29 00 00-2556	EA	1500VA 1350W UPS Smart Online Rackmount LCD 100V-120V USB 2URM (Tripp Lite SU1500RTXLCD2U).....	3,127.22	
27 29 00 00-2557	EA	1500VA UPS Smart Online Tower Extended Run PureSine 6 outlet (Tripp Lite SU1500XL).....	2,344.44	
27 29 00 00-2558	EA	16000VA UPS System SmartOnline Rack/Tower PureSine 10kVA 200V-240V/120V Output 13 Outlets Detachable Bypass PDU 1 RS-232, 1 USB, SNMP Slot. Use BP192BV18-4U for Extended Run (Tripp Lite SU16000RT4U).....	30,638.17	
27 29 00 00-2559	EA	16000VA UPS System SmartOnline Rack/Tower PureSine 10kVA 200V-240V/120V Output Hardwire Detachable Bypass PDU 1 RS-232, 1 USB, SNMP Slot. Use BP192BV18-4U for Extended Run (Tripp Lite SU16000RT4UHW).....	30,638.17	
27 29 00 00-2560	EA	16000VA UPS Smart Online Hot Swap 12U RM 16kVA 200V - 240V (Tripp Lite SU16KRT).....	29,542.27	
27 29 00 00-2561	EA	16000VA UPS Smart Online With TF Hot Swap 14U RM 16kVA, 120 Volt - 240 Volt (Tripp Lite SU16KRT-1TF).....	32,653.83	
27 29 00 00-2562	EA	20000VA UPS Smart Online Hot Swap 12U RM 20kVA 200V - 240V (Tripp Lite SU16KRTG).....	29,542.27	
27 29 00 00-2563	EA	20000VA UPS Smart Online Hard Wire Hot Swap 12URM 20kVA 200-240V (Tripp Lite SU16KRTHW).....	29,143.05	
27 29 00 00-2564	EA	20000VA UPS System SmartOnline Tower PureSine 3-Phase 20kVA Hard Wire - 20000 VA Includes Power Module and BP240V33 Battery Module (Tripp Lite SU20K3/3).....	39,413.17	
27 29 00 00-2565	EA	20kVA Tower Mount UPS includes five SURBC2030 Internal Battery Packs. (Tripp Lite SU20K3/3XR5).....	43,914.18	
27 29 00 00-2566	EA	Wall Mount Kirk Key Bypass Panel 240V for 20kVA 3-Phase UPS (Tripp Lite SU20KMBPK).....	7,945.26	
27 29 00 00-2567	EA	20000VA UPS Smart Online Hot Swap 12U RM 20kVA 200V - 240V (Tripp Lite SU20KRT).....	33,135.25	
27 29 00 00-2568	EA	20000VA UPS Smart Online With TF Hot Swap 14U RM, 20kVA, 120 Volt - 240 Volt (Tripp Lite SU20KRT-1TF).....	36,282.04	
27 29 00 00-2569	EA	20000VA UPS Smart Online Hot Swap 12U RM 20kVA 200V - 240V (Tripp Lite SU20KRTG).....	33,135.25	
27 29 00 00-2570	EA	20000VA UPS Smart Online Hard Wire Hot Swap 12URM 20kVA 200-240V (Tripp Lite SU20KRTHW).....	32,736.03	
27 29 00 00-2571	EA	20000VA Intl Smart Online Modular 3-Phase UPS 220-415V 20kVA (Tripp Lite SU20KX).....	39,530.59	
27 29 00 00-2572	EA	2200VA NAFTA Smart Online PureSine UPS Rackmount 7 outlets (Tripp Lite SU2200RMNAFTA).....	4,305.31	
27 29 00 00-2573	EA	2200VA UPS System SmartOnline Rack/Tower PureSine 120 Volt 7 Outlet - 2200 VA 1 RS-232, 1 USB, SNMP Slot (Tripp Lite SU2200RTXL2UA).....	3,655.60	
		Note: Use BP48V24-2U or BP48V60RT-3U for Extended Run		
27 29 00 00-2574	EA	2200VA 1800W UPS Smart Online Rackmount LCD 100V-120V USB 2URM (Tripp Lite SU2200RTXLCD2U).....	4,536.23	
27 29 00 00-2575	EA	2200VA UPS System SmartOnline Tower Extended Run PureSine 120V 7 Outlet - 2200 VA1 RS-232, SNMP Slot, Use BP72V9 or BP72V18 for Extended Run (Tripp Lite SU2200XLA).....	3,048.94	
27 29 00 00-2576	EA	3000VA UPS Smart Online Rackmount 2U Economy Mode 7 Outlet Use BP72V15-2U or BP72V28RT-3U for Extended Run (Tripp Lite SU3000RTXL2U).....	4,465.78	
27 29 00 00-2577	EA	3000VA UPS System SmartOnline Rack/Tower PureSine 3kVA 120V 9 Outlet - 3000 VA 1 RS-232, 1 USB, SNMP Slot, Use BP72V15-2U or BP72V28RT-3U for Extended Run (Tripp Lite SU3000RTXL3U).....	4,724.10	
27 29 00 00-2578	EA	3000VA UPS System SmartOnline Rack/Tower PureSine HIGH Voltage 3kVA 120V 8 Outlet - 3000 VA 1 RS-232, SNMP Slot, Use BP 72V15-2U or BP72V28RT-3U for Extended Run (Tripp Lite SU3000RTXL3UHV).....	5,287.71	
27 29 00 00-2579	EA	3000VA 2700W UPS Smart Online LCD Rackmount 100-120V USB 3URM RT (Tripp Lite SU3000RTXLCD3U).....	5,655.61	
27 29 00 00-2580	EA	3000VA UPS System SmartOnline Rack/Tower PureSine 3kVA Extended Run 120V 9 Outlet - 3000 VA 1 RS-232, 1 USB, SNMP Slot, Use BP72V15-2U or BP72V28RT-3U for Extended Run (Tripp Lite SU3000RTXR3U).....	5,773.03	
27 29 00 00-2581	EA	3000VA Smart Online UPS 110/120V USB DB9 Hardwire 3kVA 3U RM (Tripp Lite SU3000RTXR3UHW).....	6,266.19	
27 29 00 00-2582	EA	3000VA UPS System SmartOnline Tower Extended Run PureSine 3kVA 120V 7 Outlet - 3000 VA1 RS-232, SNMP Slot, Use BP72V9 or BP72V18 for Extended Run (Tripp Lite SU3000XL).....	4,371.85	
27 29 00 00-2583	EA	3000VA NAFTA Smart Online PureSine UPS Ext Run 9 outlets (Tripp Lite SU3000XLNAFTA).....	4,696.70	
27 29 00 00-2584	EA	30000VA UPS System SmartOnline Tower PureSine 3-Phase 30kVA Hard Wire - 30000 VAIncludes Power Module and BP240V33 Battery Module (Tripp Lite SU30K3/3).....	45,734.16	
27 29 00 00-2585	EA	30kVA Tower Mount UPS includes five SURBC2030 Internal Battery Packs. (Tripp Lite SU30K3/3XR5).....	49,158.84	
27 29 00 00-2586	EA	Wall Mount Kirk Key Bypass Panel 240V for 30kVA 3-Phase UPS (Tripp Lite SU30KMBPK).....	7,945.26	
27 29 00 00-2587	EA	40kVA Smart Online UPS 3-Phase Double Conversion With Integrated Batteries (Tripp Lite SU40K).....	81,800.93	
27 29 00 00-2588	EA	Wall Mount Kirk Key Bypass Panel 240V for 40kVA 3-Phase UPS (Tripp Lite SU40KMBPK).....	9,843.51	
27 29 00 00-2589	EA	Intl Wall Mount Kirk Key Bypass Panel 480V for 40kVA 3-Phase UPS (Tripp Lite SU40KMBPKX).....	8,386.66	
27 29 00 00-2590	EA	4000VA Intl Smart Online Modular 3-Phase UPS 220-415V 40kVA (Tripp Lite SU40KX).....	59,100.19	
27 29 00 00-2591	EA	5000VA UPS System SmartOnline Rack/Tower PureSine 5kVA 200V-240V Output 16 Outlet - 5000 VA 1 RS-232, 1 DB9, SNMP Slot, Use BP240V10RT-3U for Extended Run (Tripp Lite SU5000RT3U).....	11,358.20	
27 29 00 00-2592	EA	5000VA UPS System SmartOnline Rack/Tower PureSine HIGH Voltage 200V-240V Output 4 Outlet - 5000 VA1 RS-232, 1 DB9, SNMP Slot, Use BP240V10RT-3U for Extended Run (Tripp Lite SU5000RT3UHV).....	9,957.01	
27 29 00 00-2593	EA	5000VA UPS System SmartOnline Rack/Tower PureSine 5kVA 208V/240V Output 12 Outlet - 5000 VA All-In-One 1 RS-232, 1 USB, Use BP192V12-3U for Extended Run (Tripp Lite SU5000RT4U).....	11,307.31	
27 29 00 00-2594	EA	5000VA UPS Smart Online High Efficiency 4U RM 5kVA 200-240V (Tripp Lite SU5000RT4UHV).....	9,694.78	
27 29 00 00-2595	EA	5000VA UPS Smart Online High Efficiency 6U RM 5kVA 208-240V (Tripp Lite SU5000RT4UTF).....	11,201.64	

27 Communications
27 20 Data Communications
27 29 Data Communications Network Systems

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

27 29 00 00-2596	EA	2U rack/tower mount isolation/distribution/step-down transformer. 208 Volt, 60 Hertz single phase input/120/240 Volt output. Outlets: 12 (15/20-ampere). L6-30P plug. (Tripp Lite SU5000XFMRT2U) 2,806.28	2,806.28
27 29 00 00-2597	EA	6000VA UPS System SmartOnline Rack/Tower PureSine 6kVA 200V-240V/120V Output Hardwire - 6000 VA External Battery Pack Included, 1 RS-232, 1 DB9, SNMP Slot, Use BP240V10RT-3U for Extended Run (Tripp Lite SU6000RT3U) 13,820.05	13,820.05
27 29 00 00-2598	EA	6000VA UPS System SmartOnline Rack/Tower PureSine HIGH Voltage 6kVA 200-240V Output Hardwire - 6000 VA Auto Sensing 1 RS-232, 1 DB9, SNMP Slot, Use BP240V10RT-3U for Extended Run (Tripp Lite SU6000RT3UHV) 10,759.37	10,759.37
27 29 00 00-2599	EA	6000VA UPS System SmartOnline Rack/Tower PureSine 6kVA 208V/240V Output 12 Outlet - 6000 VA All-In-One 1 RS-232, 1 USB, Use BP192V12-3U for Extended Run (Tripp Lite SU6000RT4U) 12,638.05	12,638.05
27 29 00 00-2600	EA	6000VA UPS Smart Online High Efficiency 4U RM 6kVA 200-240V (Tripp Lite SU6000RT4UHV) 10,653.69	10,653.69
27 29 00 00-2601	EA	6000VA UPS Smart Online High Efficiency 4URM C19 6kVA 200-240V (Tripp Lite SU6000RT4UHVHG) 10,653.69	10,653.69
27 29 00 00-2602	EA	6000VA UPS Smart Online High Efficiency HW 4U RM 6kVA 200-240V (Tripp Lite SU6000RT4UHVHW) 10,199.68	10,199.68
27 29 00 00-2603	EA	6000VA UPS Smart Online High Efficiency 6U RM 6kVA 208-240V (Tripp Lite SU6000RT4UTF) 12,094.01	12,094.01
27 29 00 00-2604	EA	6000VA UPS Smart Online High Efficiency HW With TF 6kVA, 208/240 Volt (Tripp Lite SU6000RT4UTFHW) 12,536.29	12,536.29
27 29 00 00-2605	EA	60kVA Smart Online UPS 3-Phase Double Conversion With Integrated Batteries (Tripp Lite SU60K) 91,977.12	91,977.12
27 29 00 00-2606	EA	Wall Mount Kirk Key Bypass Panel 240V for 60kVA 3-Phase UPS (Tripp Lite SU60KMBPK) 10,821.99	10,821.99
27 29 00 00-2607	EA	Int'l Wall Mount Kirk Key Bypass Panel 480V for 60kVA 3-Phase UPS (Tripp Lite SU60KMBPKX) 15,730.04	15,730.04
27 29 00 00-2608	EA	60kVA Smart Online N+1 Modular UPS 3-Phase IGBT 220/415V (Tripp Lite SU60KX) 74,755.87	74,755.87
27 29 00 00-2609	EA	750VA UPS System SmartOnline Rack/Tower PureSine 120 Volt 6 Outlet - 750VA 1 RS-232, 1 USB, SNMP Slot (Tripp Lite SU750RTXL2U) 1,655.59	1,655.59
27 29 00 00-2610	EA	Note: Use BP24V28-2U or BP24V70-3U for Extended Run 750VA 675W UPS Smart Online Rackmount LCD 100V-120V USB 2URM RT (Tripp Lite SU750RTXLCD2U) 1,819.97	1,819.97
27 29 00 00-2611	EA	750VA UPS System SmartOnline Tower Extended Run PureSine 120 Volt 6 Outlet - 750 VA 1 RS-232, 1 USB, SNMP Slot (Tripp Lite SU750XL) 1,553.83	1,553.83
27 29 00 00-2612	EA	Note: Use BP24V14 or BP24V34 for Extended Run 8000VA UPS System SmartOnline Rack/Tower PureSine 8kVA 200V-240V output 6 outlets Detachable Bypass PDU, 1 RS-232, 2 DB9 And SNMP Slot. Use BP240V10RT3U for Extended Run (Tripp Lite SU8000RT3U) 13,330.81	13,330.81
27 29 00 00-2613	EA	8000VA UPS System SmartOnline Rack/Tower PureSine 8kVA Transformer 120V/208V output Hardwire Detachable Bypass PDU, 1 RS-232, 2 DB9 And SNMP Slot. Use BP240V10RT3U for Extended Run (Tripp Lite SU8000RT3U1TF) 14,912.04	14,912.04
27 29 00 00-2614	EA	8000VA Global Smart Online UPS RM 6U (6)C19 outlets 8kVA 200/240V (Tripp Lite SU8000RT3UG) 13,777.00	13,777.00
27 29 00 00-2615	EA	8000VA UPS System SmartOnline Rack/Tower PureSine 8kVA 200V-240V output Hardwire Detachable Bypass PDU, 1 RS-232, 2 DB9 And SNMP Slot. Use BP240V10RT3U for Extended Run (Tripp Lite SU8000RT3UHW) 13,330.81	13,330.81
27 29 00 00-2616	EA	8000VA Smart Online UPS With Hot- Swappable Power Distribution Unit 208/240 Volt, 6 outlets (Tripp Lite SU8000RT3UN50) 14,328.86	14,328.86
27 29 00 00-2617	EA	8000VA Smart Online UPS With Hot- Swap PDU And Step Down Trans 208/240 Volt (Tripp Lite SU8000RT3UN50TF) 15,917.91	15,917.91
27 29 00 00-2618	EA	8000VA UPS System SmartOnline Rack/Tower PureSine 8kVA 200V-240V/120V Output Hardwire Detachable Bypass PDU, 1 RS-232, 1 USB, SNMP Slot. Use BP192V12-3U for Extended Run (Tripp Lite SU8000RT4U) 14,109.68	14,109.68
27 29 00 00-2619	EA	80kVA Smart Online UPS 3-Phase Double Conversion With Integrated Batteries (Tripp Lite SU80K) 109,589.76	109,589.76
27 29 00 00-2620	EA	Wall Mount 3-Breaker Bypass Panel With Kirk Key 240V for 80kVA 3-Phase UPS TAA / GSA (Tripp Lite SU80KMBPK) 21,154.74	21,154.74
27 29 00 00-2621	EA	80kVA Smart Online N+1 Modular UPS 3-Phase IGBT 220/415V (Tripp Lite SU80KX) 91,303.06	91,303.06
27 29 00 00-2622	EA	Additional Battery Compartment for all Models. Requires SURBC2030 Battery Packs. (Tripp Lite SUBF2030) 7,827.84	7,827.84
27 29 00 00-2623	EA	208V 3-Phase Distribution Cabinet for 20-60kVA UPS 42 Pole (Tripp Lite SUDC208V42P) 10,872.00	10,872.00
27 29 00 00-2624	EA	1000VA International UPS System SmartOnline Rack/Tower PureSine 230 Volt 6 Outlet 1 RS-232, SNMP Slot (Tripp Lite SUINT1000RTXL2U) 2,565.57	2,565.57
27 29 00 00-2625	EA	Note: Use BP36V15-2U for Extended Run 1000VA International UPS System SmartOnline Tower PureSine 230 Volt 4 Outlet - 1000 VA 1 DB9 (Tripp Lite SUINT1000XL) 2,020.24	2,020.24
27 29 00 00-2626	EA	Note: Use BP36V13 for Extended Run 1500VA International UPS System SmartOnline Rack/Tower PureSine 230 Volt 6 Outlet - 1500 VA 1 RS-232, SNMP Slot (Tripp Lite SUINT1500RTXL2U) 2,850.64	2,850.64
27 29 00 00-2627	EA	Note: Use BP 48V24-2U for Extended Run 2000VA International UPS System SmartOnline Tower PureSine 230V 8 Outlet 1 DB9, SNMP Slot. Use BP72V9 for Extended Run (Tripp Lite SUINT2000XL) 3,152.23	3,152.23
27 29 00 00-2628	EA	2200VA International UPS System SmartOnline Rack/Tower PureSine 230 Volt 6 Outlet - 2200 VA 1 RS-232, SNMP Slot (Tripp Lite SUINT2200RTXL2U) 4,532.10	4,532.10
27 29 00 00-2629	EA	Note: Use BP48V24-2U for Extended Run 3000VA International UPS System SmartOnline Extended Run Rack/Tower PureSine Online, double-conversion 3kVA 200-240V 10 Outlet - USB, serial, contact closure, EPO and SNMP/Web card slot (Tripp Lite SUINT3000RTXL2U) 4,994.81	4,994.81
27 29 00 00-2630	EA	3000VA International UPS System SmartOnline Rack/Tower PureSine 3kVA 230V 10 Outlet - 3000 VA 1 RS-232, SNMP Slot, Use BP72V12-2U or BP72V21-3U for Extended Run (Tripp Lite SUINT3000RTXL3U) 5,188.99	5,188.99
27 29 00 00-2631	EA	3000VA International UPS System SmartOnline Tower PureSine 230V 3kVA 8 Outlet - 3000 VA 1 DB9, SNMP Slot. Use BP72V9 for Extended Run (Tripp Lite SUINT3000XL) 4,858.48	4,858.48
27 29 00 00-2632	EA	Alternate back panel for SU 6000RT3UHV model only. Converts from hardwired to L6-30P plug/cord set and two L6-30R outlets. 208V. (Tripp Lite SUPDM11) 344.42	344.42
27 29 00 00-2633	EA	Alternate back panel for distribution transformer module—SU 6000RT3U model only. Converts from hardwired to L6-30P plug/cord set and 13 outlets (ten 120V 15/20-ampere, two 208V L6-20R and one 208V L6-30R). (Tripp Lite SUPDM12) 581.00	581.00
27 29 00 00-2634	EA	Alternate back panel for distribution transformer module—SU 6000RT3U model only. Converts from hardwired to L6-30P plug/cord set and 13 outlets (ten 120V 15/20-ampere, two 240V L6-20R and one 240V L6-30R). (Tripp Lite SUPDM13) 581.00	581.00
27 29 00 00-2635	EA	For SU 5000RT4U and SU 6000RT4U models only. Independent detachable hardwired power distribution unit. (Tripp Lite SUPDM56HW) 274.84	274.84
27 29 00 00-2636	EA	Converts output for select UPS Systems to Hardwire PDU (Tripp Lite SUPDMB568HW) 939.34	939.34
27 29 00 00-2637	EA	Converts output for select UPS Systems to Hardwire PDU (Tripp Lite SUPDMB710HW) 626.23	626.23
27 29 00 00-2638	EA	Converts output for select UPS Systems to IEC320 outlets 200-240V (Tripp Lite SUPDMB710IEC) 1,800.40	1,800.40
27 29 00 00-2639	EA	6 outlets 6' cord 750 joules International Surge Suppressor 6 Universal Outlets/British Plug 230V (Tripp Lite SUPER6OMNI B) 49.58	49.58
27 29 00 00-2640	EA	6 outlets 6' cord 750 joules International Surge Suppressor 6 Universal Outlets/CEE Plug 230V (Tripp Lite SUPER6OMNI D) 49.58	49.58
27 29 00 00-2641	EA	7 outlets 6' cord 1270 joules Protect It! Surge Suppressor holds 5 Transformers (Tripp Lite SUPER6TEL) 57.40	57.40
27 29 00 00-2642	EA	7 outlets 12' cord 1270 joules Protect It! Surge Suppressor holds 5 Transformers (Tripp Lite SUPER6TEL12) 83.50	83.50
27 29 00 00-2643	EA	7 outlets 7' cord 2350 joules Protect It! Surge Suppressor holds 5 Transformers (Tripp Lite SUPER-7) 53.93	53.93
27 29 00 00-2644	EA	Surge Protector Strip 120V 7 Outlet 7ft Cord 2160 Joules Black (Tripp Lite SUPER7B) 53.93	53.93

Communications			27
Data Communications			27 20
Data Communications Network Systems			27 29
MINOR	UNIT COST	DEMOLITION	
CSI UOM DESCRIPTION		UNIT COST	

27 29 00 00-2645	EA	7 outlets 7' cord 2350 joules Protect It! Surge Suppressor holds 3 Transformers (Tripp Lite SUPER7COAX).....	73.06
27 29 00 00-2646	EA	7 outlets 7' cord 2470 joules Protect It! Surge Suppressor holds 5 Transformers (Tripp Lite SUPER7TEL).....	67.84
27 29 00 00-2647	EA	7 outlets 15' cord 2720 joules Protect It! Surge Suppressor holds 5 Transformers (Tripp Lite SUPER7TEL15).....	107.85
27 29 00 00-2648	EA	240 Volt DC Internal Battery Pack for Extended Runtime. (Tripp Lite SURBC2030).....	2,610.58
27 29 00 00-2649	EA	Protect It! Surge 6 Swivel Outlets Direct Plug 1200 Joules (Tripp Lite SWIVEL6).....	46.10
27 29 00 00-2650	EA	1200VA UPS System Extended Run Tower Line-Interactive 120V 6 Outlet - 1200 VA, 1 DB9 (Tripp Lite TE1200).....	1,506.86
27 29 00 00-2651	EA	600VA UPS System Extended Run Tower Line-Interactive 120V 6 Outlet - 600 VA, 1 DB9 (Tripp Lite TE600).....	786.70
27 29 00 00-2652	EA	10 outlets 15' cord Metal-receptacle series, master switch pilot light (Tripp Lite TLM1015NC).....	153.08
27 29 00 00-2653	EA	3 outlets 6' cord Metal-receptacle series, master switch pilot light (Tripp Lite TLM306NC).....	62.62
27 29 00 00-2654	EA	4 outlets 6' cord Metal-receptacle series, master switch pilot light (Tripp Lite TLM406NC).....	67.84
27 29 00 00-2655	EA	6 outlets 6' cord 280 joules Metal housing, holds 3 transformers. (Tripp Lite TLM606).....	59.14
27 29 00 00-2656	EA	6 outlets 6' cord 450 joules Metal housing, holds 3 transformers. (Tripp Lite TLM606HJ).....	64.36
27 29 00 00-2657	EA	6 outlets 6' cord Metal-receptacle series, master switch pilot light (Tripp Lite TLM606NC).....	74.80
27 29 00 00-2658	EA	6 outlets 9' cord GFCI plug, 4 outlet safety covers, cord wrap with hang holes (Tripp Lite TLM609GF).....	144.38
27 29 00 00-2659	EA	6 outlets 9' cord 4 outlet safety covers, cord wrap with hang holes (Tripp Lite TLM609NS).....	90.46
27 29 00 00-2660	EA	6 outlets 9' cord 1200 joules 4 outlet safety covers, cord wrap with hang holes (Tripp Lite TLM609SA).....	98.28
27 29 00 00-2661	EA	6 outlets 15' cord Metal-receptacle series, master switch pilot light (Tripp Lite TLM615NC).....	93.93
27 29 00 00-2662	EA	6 outlets 15' cord Metal-receptacle series, master switch pilot light, 20 amperes (Tripp Lite TLM615NC20).....	219.18
27 29 00 00-2663	EA	6 outlets 15' cord Metal-receptacle series, turned 90 degrees, master switch pilot light (Tripp Lite TLM615NCRA).....	99.15
27 29 00 00-2664	EA	6 outlets 15' cord 2400 joules 4 outlet safety covers, cord wrap with hang holes (Tripp Lite TLM615SA).....	120.90
27 29 00 00-2665	EA	6 outlets 6' cord 450 joules Metal housing, holds 3 transformers. (Tripp Lite TLM626).....	69.58
27 29 00 00-2666	EA	6 outlets 6' cord 4 outlet safety covers (Tripp Lite TLM626NS).....	53.93
27 29 00 00-2667	EA	6 outlets 6' cord 420 joules 4 outlet safety covers (Tripp Lite TLM626SA).....	64.36
27 29 00 00-2668	EA	6 outlets 15' cord 450 joules Metal housing, holds 3 transformers. (Tripp Lite TLM626TEL15).....	93.93
27 29 00 00-2669	EA	8 outlets 12' cord GFCI plug, 4 outlet safety covers, cord wrap with hang holes (Tripp Lite TLM812GF).....	163.51
27 29 00 00-2670	EA	8 outlets 12' cord 1200 joules 4 outlet safety covers, cord wrap with hang holes (Tripp Lite TLM812SA).....	115.68
27 29 00 00-2671	EA	8 outlets 15' cord 4 outlet safety covers, cord wrap with hang holes (Tripp Lite TLM815NS).....	111.33
27 29 00 00-2672	EA	8 outlets 25' cord GFCI plug, 4 outlet safety covers, cord wrap with hang holes (Tripp Lite TLM825GF).....	191.35
27 29 00 00-2673	EA	8 outlets 25' cord 3600 joules 4 outlet safety covers, cord wrap with hang holes (Tripp Lite TLM825SA).....	166.47
27 29 00 00-2674	EA	9 outlets 15' cord Metal-receptacle series, master switch pilot light, outlet on end (Tripp Lite TLM915NC).....	102.63
27 29 00 00-2675	EA	10 outlets 8' cord 2395 joules Protect It! Surge Suppressor holds 7 Transformers (Tripp Lite TLP1008TEL).....	93.93
27 29 00 00-2676	EA	10 outlets 8' cord 3345 joules Protect It! Surge Suppressor holds 7 Transformers (Tripp Lite TLP1008TELT).....	104.37
27 29 00 00-2677	EA	Surge Protector 120V 12 Outlet RJ11 RJ45 Coax 8ft Crd 2880 Joule (Tripp Lite TLP1208SAT).....	120.03
27 29 00 00-2678	EA	Surge Protector 12 Outlets, Tel/DSL, 8ft Cord, 2160 Joules (Tripp Lite TLP1208TEL).....	100.89
27 29 00 00-2679	EA	Surge Protector 12 Outlets, Tel/DSL, Coax, 8ft Cord, 2880 Joules (Tripp Lite TLP1208TELT).....	118.29
27 29 00 00-2680	EA	Eco Surge Protector Green 12 Outlet Tel/Coax 10ft Cord 3600 Joules (Tripp Lite TLP1210SATG).....	236.57
27 29 00 00-2681	EA	Intl Protect It! Surge 2 Schuko Type F outlets German Plug 2 USB Ports 380 Joules (Tripp Lite TLP2USBD).....	71.32
27 29 00 00-2682	EA	Intl Protect It! Surge 2 French Type E outlets and Plug 2 USB Ports 380 Joules (Tripp Lite TLP2USBF).....	71.32
27 29 00 00-2683	EA	4 outlets 4' cord 390 joules Protect It! Surge Suppressor holds 2 Transformers (Tripp Lite TLP404).....	24.35
27 29 00 00-2684	EA	Protect It! BLK Surge 4 outlet (2 Transformers) 4ft Cord 670 Joules (Tripp Lite TLP4BK).....	31.31
27 29 00 00-2685	EA	Intl Protect It! Surge 5 Schuko Type F outlets German Plug 280 Joules (Tripp Lite TLP51D).....	49.58
27 29 00 00-2686	EA	Intl Protect It! Surge 5 French Type E outlets and Plug 280 Joules (Tripp Lite TLP51F).....	49.58
27 29 00 00-2687	EA	6 outlets 2' cord 250 joules Protect It! Surge Suppressor holds 3 Transformers (Tripp Lite TLP602).....	19.13
27 29 00 00-2688	EA	6 outlets 4' cord 720 joules Protect It! Surge Suppressor holds 3 Transformers (Tripp Lite TLP604).....	26.09
27 29 00 00-2689	EA	6 outlets 4' cord 870 joules Protect It! Surge Suppressor holds 3 Transformers (Tripp Lite TLP604TEL).....	31.31
27 29 00 00-2690	EA	6 outlets 6' cord 750 joules Protect It! Surge Suppressor holds 3 Transformers (Tripp Lite TLP606).....	31.31
27 29 00 00-2691	EA	Protect It! BLK Surge 6 outlet (3 Transformers) 6ft Cord 750 Joules (Tripp Lite TLP606B).....	31.31
27 29 00 00-2692	EA	TAA Compliant Protect It! Surge 6 outlets 6 ft Cord 750 Joules (Tripp Lite TLP606TAA).....	34.79
27 29 00 00-2693	EA	Surge Protector Strip 6 Outlet RJ11 8ft Cord 990 Joules (Tripp Lite TLP608TEL).....	46.10
27 29 00 00-2694	EA	Surge Protector Strip 6 Outlet 15ft Cord 790 Joules (Tripp Lite TLP615).....	66.10
27 29 00 00-2695	EA	Intl Protect It! Surge 6 Schuko Type F outlets German Plug 1140 Joules (Tripp Lite TLP61D).....	62.62
27 29 00 00-2696	EA	Intl Protect It! Surge 6 French Type E outlets and Plug 1140 Joules (Tripp Lite TLP61F).....	62.62
27 29 00 00-2697	EA	Surge Protector 6 Outlet 4ft Cord 540 Joules (Tripp Lite TLP64).....	47.84
27 29 00 00-2698	EA	Surge Protector 6 Outlet RJ45 6ft Cord 1080 Joules (Tripp Lite TLP66NET).....	75.67
27 29 00 00-2699	EA	Surge Protector 6 Outlet RJ45 6ft Cord 1080 Joules TAA / GSA (Tripp Lite TLP66NETAA).....	86.98
27 29 00 00-2700	EA	Eco Surge Protector Green With Remote Control 6 Outlet 6ft Cord (Tripp Lite TLP66RCG).....	108.72
27 29 00 00-2701	EA	Surge Protector Strip 6 Outlet 6ft Cord 360 Joules Black (Tripp Lite TLP6B).....	28.70
27 29 00 00-2702	EA	Surge Protector Strip 120V 7 Outlet RJ11 6ft Cord 1440 Joule (Tripp Lite TLP706TELC).....	57.40
27 29 00 00-2703	EA	7 outlets 7' cord 1270 joules Protect It! Surge Suppressor holds 5 Transformers (Tripp Lite TLP707TEL).....	55.66
27 29 00 00-2704	EA	7 outlets 12' cord 1000 joules Protect It! Surge Suppressor holds 4 Transformers (Tripp Lite TLP712).....	57.40
27 29 00 00-2705	EA	Protect It! BLK Surge 7 outlet (4 Transformers) 12ft Cord 1000 Joules (Tripp Lite TLP712B).....	57.40
27 29 00 00-2706	EA	Protect It! Surge 7 outlet (4 Transformers) 25ft Cord 1000 Joules (Tripp Lite TLP725).....	100.89
27 29 00 00-2707	EA	Surge Protector 7 Right Angle Outlets 4ft Cord 540 Joules (Tripp Lite TLP74R).....	33.05
27 29 00 00-2708	EA	Surge Protector 7 Right Angle Outlets 4ft Cord 540 Joules Black (Tripp Lite TLP74RB).....	33.05
27 29 00 00-2709	EA	Eco Surge Protector Green Timer Controlled 7 Outlet 4ft Cord (Tripp Lite TLP74TG).....	107.85
27 29 00 00-2710	EA	Eco Green Surge Protector Switched 7 Outlet Conserve Energy (Tripp Lite TLP76MSG).....	74.80
27 29 00 00-2711	EA	Surge Protector Strip 120V Right Angle 7 Outlet RJ11 Black (Tripp Lite TLP76RBT).....	43.84
27 29 00 00-2712	EA	Eco Surge Protector Green Timer Controlled 7 Outlet USB 8ft Crd (Tripp Lite TLP78TUSBG).....	142.64
27 29 00 00-2713	EA	Surge Protector Strip 120V 8 Outlet RJ11 6ft Cord 2160 Joule (Tripp Lite TLP806TEL).....	66.10
27 29 00 00-2714	EA	8 outlets 8' cord 1900 joules Protect It! Surge Suppressor holds 6 Transformers (Tripp Lite TLP808).....	67.84
27 29 00 00-2715	EA	Eco Surge Protector Green 8 Outlet Tel/DSL 8ft Cord 2160 Joules (Tripp Lite TLP808NETG).....	165.25
27 29 00 00-2716	EA	8 outlets 8' cord 2820 joules Protect It! Surge Suppressor holds 6 Transformers (Tripp Lite TLP808TEL).....	90.46
27 29 00 00-2717	EA	TAA Compliant Protect It! Surge 8 outlets 8ft Cord 2820 Joules (Tripp Lite TLP808TELTAA).....	93.93
27 29 00 00-2718	EA	8 outlets 8' cord 3500 joules Protect It! Surge Suppressor holds 6 Transformers (Tripp Lite TLP808TELT).....	104.37
27 29 00 00-2719	EA	8 outlets 10' cord 3690 joules Protect It! Surge Suppressor holds 6 Transformers (Tripp Lite TLP810NET).....	130.46
27 29 00 00-2720	EA	8 outlets 10' cord 3570 joules Protect It! Surge Suppressor holds 6 Transformers (Tripp Lite TLP810SAT).....	126.98
27 29 00 00-2721	EA	Protect It! Surge 8 outlet (6 Transformers) 25ft Cord 1900 Joules (Tripp Lite TLP825).....	113.07
27 29 00 00-2722	EA	Intl Protect It! Surge 8 Schuko Type F outlets German Plug 2280 Joules (Tripp Lite TLP82D).....	99.15
27 29 00 00-2723	EA	Intl Protect It! Surge 8 French Type E outlets and Plug 2280 Joules (Tripp Lite TLP82F).....	99.15
27 29 00 00-2724	EA	Intl Protect It! Surge 8 Schuko Type F outlets German Plug Tel/Network 1140 Joules (Tripp Lite TLP82MASD).....	154.82
27 29 00 00-2725	EA	Intl Protect It! Surge 8 French Type E outlets and Plug Tel/Network 1140 Joules (Tripp Lite TLP82MASF).....	154.82
27 29 00 00-2726	EA	Intl Protect It! Surge 8 Schuko Type F outlets German Plug Tel/Network 2280 Joules (Tripp Lite TLP82NSATD).....	142.64
27 29 00 00-2727	EA	Intl Protect It! Surge 8 French Type E outlets and Plug Tel/Network 2280 Joules (Tripp Lite TLP82NSATF).....	142.64
27 29 00 00-2728	EA	6 OUTLETS 6' CORD 1850 JOULES Protect It! Under Monitor Surge Suppressor with Modem/Fax Protection (Tripp Lite TMC-6).....	114.59
27 29 00 00-2729	EA	6 outlets 6' cord 1500 joules Protect It! Surge Suppressor holds 4 Transformers (Tripp Lite TR-6).....	100.02

27 Communications
27 20 Data Communications
27 29 Data Communications Network Systems

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-2730	EA		6 outlets 6' cord 2100 joules Protect It! Surge Suppressor holds 4 Transformers (Tripp Lite TR-6FM)	120.03	
27 29 00 00-2731	EA		1 outlets direct plug-in 950 joules Protect It! Portable Surge Suppressor holds 1 Transformer (Tripp Lite TRAVELCUBE)	26.09	
27 29 00 00-2732	EA		2 outlets direct plug-in 1050 joules Protect It! Portable Surge Suppressor holds 2 Transformers (Tripp Lite TRAVELER)	43.49	
27 29 00 00-2733	EA		2 outlets direct plug-in 1050 joules Protect It! Portable Surge Suppressor holds 2 Transformers (Tripp Lite TRAVELER100BT)	43.49	
27 29 00 00-2734	EA		Mobile Surge Protector with 3 outlets 2 USB 540 Joules (Tripp Lite TRAVELER3USB)	57.40	
27 29 00 00-2735	EA		2 (C6) 3-prong outlets in-line 820-1130 joules Protect It! Surge Suppressor For Laptop Use (Tripp Lite TRAVELERC6)	60.88	
27 29 00 00-2736	EA		2 (C8) 2-prong outlets in-line 820-1130 joules Protect It! Surge Suppressor For Laptop Use (Tripp Lite TRAVELERC8)	60.88	
27 29 00 00-2737	EA		TuneView remote only (Tripp Lite TVREM-200C)	372.26	
27 29 00 00-2738	EA		TuneView for iTunes (Tripp Lite TVU-200C)	478.37	
27 29 00 00-2739	EA		USB A/A Extension Gold Cable A-M/F - 10' (Tripp Lite U004-010-R)	28.79	
27 29 00 00-2740	EA		USB Right Angle Gold Extension Cable A-F/M(90deg) - 10' (Tripp Lite U005-10I)	23.98	
27 29 00 00-2741	EA		USB over Category 5 Extension, up to 40M/125', USB A M/F (Tripp Lite U007-40M)	299.92	
27 29 00 00-2742	EA		USB2.0 Certified A/B Device Cable - 3' (Tripp Lite U021-003)	12.00	
27 29 00 00-2743	EA		USB 2.0 Gold A/B Device Cable - 6 ft. (Tripp Lite U022-006)	12.89	
27 29 00 00-2744	EA		USB2.0 Certified Gold A/B Device Cable - 6' (Tripp Lite U022-006-R)	21.59	
27 29 00 00-2745	EA		USB 2.0 Gold A/B Device Cable - 10 ft. (Tripp Lite U022-010)	16.79	
27 29 00 00-2746	EA		USB2.0 Certified Gold A/B Device Cable - 10' (Tripp Lite U022-010-R)	26.98	
27 29 00 00-2747	EA		USB2.0 Certified Gold A/B Device Cable - 15' (Tripp Lite U022-015)	23.40	
27 29 00 00-2748	EA		3ft USB2.0 A/B Gld Device Cbl Ferrite Chokes A Male to B Male 3' (Tripp Lite U023-003)	16.50	
27 29 00 00-2749	EA		USB2.0 Certified Gold A/B Device Cable with Ferrite Chokes - 6 ft. (Tripp Lite U023-006)	17.70	
27 29 00 00-2750	EA		USB Gold Extension Cable for USB 2.0 Cables, A (M/F) - 6' (Tripp Lite U024-006)	15.59	
27 29 00 00-2751	EA		USB Gold Extension Cable for USB 2.0 Cables, A (M/F) - 10' (Tripp Lite U024-010)	19.79	
27 29 00 00-2752	EA		USB 2.0 Port A/A 6in Ext Cable Mobile Built-in Charging Hub (Tripp Lite U024-06N-HUB)	35.99	
27 29 00 00-2753	EA		USB 2.0 Certified Active Extension Cable - 16 ft. (Tripp Lite U026-016)	95.98	
27 29 00 00-2754	EA		10M USB2.0 A/A Hi-Speed Active Extension / Repeater Cable 33ft (Tripp Lite U026-10M)	137.97	
27 29 00 00-2755	EA		20M USB2.0 A/A Hi-Speed Active Extension / Repeater Cable 65' (Tripp Lite U026-20M)	197.94	
27 29 00 00-2756	EA		USB2.0 A to 4-Pin Mini B Gold Cable - 6' (Tripp Lite U028-006)	12.00	
27 29 00 00-2757	EA		6-ft. USB 2.0 A to 4-Pin "Round" Mini B Gold Cable (Tripp Lite U029-006)	12.00	
27 29 00 00-2758	EA		3ft USB2.0 A to Mini-B Gold Device Cable A M to 5Pin Mini-B M 3' (Tripp Lite U030-003)	12.00	
27 29 00 00-2759	EA		USB2.0 A to 5-Pin Mini B Gold Cable - 6' (Tripp Lite U030-006)	13.20	
27 29 00 00-2760	EA		USB 2.0 6in Cable 5 pin mini-B Mobile Built-in Charging Hub (Tripp Lite U030-06N-HUB)	35.99	
27 29 00 00-2761	EA		Retractable USB 2.0 Device Cable, USB A (M)/USB B (M) - 4' (Tripp Lite U032-004-R)	29.98	
27 29 00 00-2762	EA		USB2.0 A/B Repeater Cable, 36' (Tripp Lite U042-036)	146.97	
27 29 00 00-2763	EA		USB2.0 A-M to Micro-USB 5-pin B-M Device Cable, 3' (Tripp Lite U050-003)	18.00	
27 29 00 00-2764	EA		USB2.0 A-M to Micro-USB 5-pin B-M Device Cable, 6' (Tripp Lite U050-006)	21.00	
27 29 00 00-2765	EA		10ft USB2.0 A to Micro-USB B Device Cable A M to Micro-B M 10' (Tripp Lite U050-010)	32.99	
27 29 00 00-2766	EA		USB to IEEE Gold Parallel Printer Adapter Cable USB A/C36M - 6' (Tripp Lite U206-006-R)	119.96	
27 29 00 00-2767	EA		USB to IEEE Parallel Printer Adapter Cable USB A Male to DB25 Female - 6 ft. (Tripp Lite U207-006)	62.99	
27 29 00 00-2768	EA		USB to Serial Adapter (Tripp Lite U209-000-R)	89.98	
27 29 00 00-2769	EA		4 Port USB 2.0 Peripheral Sharing Switch, Connects up to four PCs to one printer. (Tripp Lite U215-004-R)	197.94	
27 29 00 00-2770	EA		USB PS/2 Adapter (Tripp Lite U219-000-R)	52.79	
27 29 00 00-2771	EA		4 Port USB 2.0 Certified Self- or Bus-Powered Ultra-Mini Compact Hub, x4 A (F)/x1 A (M) (Tripp Lite U222-004-R)	107.98	
27 29 00 00-2772	EA		7 Port USB 2.0 Certified Self- or Bus-Powered Hub, x7 A (F)/x1 A (M) (Tripp Lite U222-007-R)	164.95	
27 29 00 00-2773	EA		USB 2.0 Hi-Speed Hub 10-Port With 2 Swivel (Tripp Lite U222-010-R)	209.94	
27 29 00 00-2774	EA		4-Port Industrial USB 2.0 Hub Heavy-Duty 15kV ESD Immunity (Tripp Lite U223-004-IND)	503.85	
27 29 00 00-2775	EA		USB 4Port Hub with 1 Remote Port over Category 5 (Tripp Lite U224-1R4-R)	389.89	
27 29 00 00-2776	EA		USB 4Port Remote Hub over Category 5 (Tripp Lite U224-4R4-R)	389.89	
27 29 00 00-2777	EA		4 Port USB 2.0 Certified Hub, x4 A (F)/x1 A (M) (Tripp Lite U225-004-R)	83.98	
27 29 00 00-2778	EA		USB2.0 Hub with File Transfer Functionality - 3Port (Tripp Lite U227-FT3-R)	173.95	
27 29 00 00-2779	EA		4-Port USB 2.0 Share Switch with File Transfer (Tripp Lite U230-204-R)	419.88	
27 29 00 00-2780	EA		USB 2.0 Universal High-Speed File Transfer Cable (PC or Mac), 6ft (Tripp Lite U233-006-MP-R)	131.96	
27 29 00 00-2781	EA		USB 2.0 High-Speed File Transfer Cable (PC to PC), 6ft (Tripp Lite U233-006-PP-R)	119.96	
27 29 00 00-2782	EA		USB 2.0 to Ethernet Adapter 10/100 Mbps (Tripp Lite U236-000-R)	119.96	
27 29 00 00-2783	EA		USB 2.0 to SATA/ IDE Combo Adapter (For 2.5" or 3.5 SATA and IDE Hard Drives) - USB A(M) - 7 Pin SATA(F), 40 Pin IDE(F), 44 Pin IDE (F) - 1' (Tripp Lite U238-000)	197.94	
27 29 00 00-2784	EA		SATA Hard Drive Cradle / Docking Station USB2.0 / eSATA Windows And Macintosh compatible (Tripp Lite U239-UE1)	197.94	
27 29 00 00-2785	EA		USB2.0 to HDMI Display Adapter, PC / Laptop to HDTV (Tripp Lite U244-001-HDMI-R)	386.89	
27 29 00 00-2786	EA		USB2.0 to DVI-I/VGA Adapter (Tripp Lite U244-001-R)	371.89	
27 29 00 00-2787	EA		USB 2.0 to VGA Adapter (Tripp Lite U244-001-VGA-R)	329.90	
27 29 00 00-2788	EA		USB 3.0 Super Speed 5Gbps A-B Device Cable 3ft (Tripp Lite U322-003)	41.99	
27 29 00 00-2789	EA		USB 3.0 Super Speed 5Gbps A-B Device Cable 6ft (Tripp Lite U322-006)	50.99	
27 29 00 00-2790	EA		USB 3.0 Super Speed 5Gbps A-B Device Cable 10ft (Tripp Lite U322-010)	56.99	
27 29 00 00-2791	EA		USB 3.0 Super Speed 5Gbps A-B Device Cable 15ft (Tripp Lite U322-015)	77.97	
27 29 00 00-2792	EA		USB 3.0 Super Speed 5Gbps A Male - A Female Ext Cable 6ft (Tripp Lite U324-006)	50.99	
27 29 00 00-2793	EA		USB 3.0 Super Speed 5Gbps A Male - A Female Ext Cable 10ft (Tripp Lite U324-010)	56.99	
27 29 00 00-2794	EA		USB 3.0 Super Speed 5Gbps A to Micro B Device Cable 3ft (Tripp Lite U326-003)	47.99	
27 29 00 00-2795	EA		USB 3.0 Super Speed 5Gbps A to Micro B Device Cable 6ft (Tripp Lite U326-006)	59.99	
27 29 00 00-2796	EA		USB 3.0 Super Speed 5Gbps A to Micro B Device Cable 10ft (Tripp Lite U326-010)	74.97	
27 29 00 00-2797	EA		5M USB3.0 Super Speed A/A Active Extension Cable USB-A M/F 16ft (Tripp Lite U330-05M)	149.97	
27 29 00 00-2798	EA		USB 3.0 SuperSpeed to SATA Adapter Cable (Tripp Lite U338-000)	209.94	
27 29 00 00-2799	EA		USB 3.0 SuperSpeed to SATA Adapter Cable (Tripp Lite U338-000-R)	209.94	
27 29 00 00-2800	EA		USB 3.0 to SATA Hard Drive Quick Dock 5 Gbps Plug And Play (Tripp Lite U339-000)	209.94	
27 29 00 00-2801	EA		USB 3.0 to HDMI Adapter 2048 x 1152 / 60 Hertz Video Resolution (Tripp Lite U344-001-HDMI-R)	503.85	
27 29 00 00-2802	EA		USB 3.0 to DVI or VGA Adapter 2048 x 1152 60 Hertz Video Resolution (Tripp Lite U344-001-R)	479.87	
27 29 00 00-2803	EA		USB 3.0 Multi-Drive SD / CF / MS 5Gbps Plug and Play Card Reader (Tripp Lite U352-000-MD)	179.95	
27 29 00 00-2804	EA		USB 3.0 Super Speed SDXC Card Reader 5Gbps Transfer Plug And Play (Tripp Lite U352-000-SD-R)	95.98	
27 29 00 00-2805	EA		USB 3.0 SuperSpeed External 2.5" SATA Hard Drive Enclosure (Tripp Lite U357-025-R)	149.97	
27 29 00 00-2806	EA		USB 3.0 SuperSpeed 4-Port Hub (Tripp Lite U360-004-R)	281.93	
27 29 00 00-2807	EA		USB 3.0 Charging Hub - 2 USB 3.0; 4 USB 2.0; 1 Charging iPad2 (Tripp Lite U360-412)	239.92	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 29 00 00-2808	EA	USB Power Adapter for iPod, Cell Phones And More (Black) (Tripp Lite UAC-1B)	52.19	
27 29 00 00-2809	EA	Relocateable Power Taps, 9 outlets, 15' cord, Metal-Receptable Series, no switch, outlet on end. Blue/Gray Color With tabs (Tripp Lite UL17CB-15)	117.42	
27 29 00 00-2810	EA	Relocateable Power Taps, 6 outlets, 15' cord, Metal-Receptacle Series, switch pilot light. Blue/Gray Color w/tabs (Tripp Lite UL24CB-15)	105.68	
27 29 00 00-2811	EA	Relocateable Power Taps, 6 outlets, 15' cord, Metal-Receptacle, turned 90 degrees, switch pilot light. Blue/Gray Color w/tabs (Tripp Lite UL24RA-15).....	109.59	
27 29 00 00-2812	EA	Relocateable Power Taps, 4 outlets, 6' cord, Metal-Receptacle Series, no switch. Blue/Gray Color w/tabs (Tripp Lite UL603CB-6).....	70.45	
27 29 00 00-2813	EA	Relocateable Power Taps, 6 outlets, 15' cord, Metal-Duplex Series, switch pilot light. 20 Amperes. Blue/Gray Color w/tabs (Tripp Lite UL620-15).....	248.53	
27 29 00 00-2814	EA	Relocateable Power Taps, 10 outlets, 15' cord, Metal-receptable Series, master switch pilot light. Black color w/tabs (Tripp Lite UL800CB-15)	168.30	
27 29 00 00-2815	EA	2 OUTLETS Direct Plug-In 600 JOULES Isobar Ultra Surge Suppressor 15-Amperes (Tripp Lite ULTRABLOK)	81.76	
27 29 00 00-2816	EA	2 OUTLETS Direct Plug-In 600 JOULES Isobar Ultra Surge Suppressor with Modem/Fax Protection (Tripp Lite ULTRAFAK).....	118.29	
27 29 00 00-2817	EA	IEC-320 C13 Outlet Adapter for Intl Plugs (Tripp Lite UNIPUGINT)	15.22	
27 29 00 00-2818	EA	SmartRack UPS Front Rail Mounting Bracket (Tripp Lite UPSHDEARKIT).....	123.29	
27 29 00 00-2819	EA	Wallmount Bracket for most tower UPS models. Visit: www.tripplite.com (Tripp Lite UPSWM)	369.65	
27 29 00 00-2820	EA	Digital Media Remote for iTunes (Tripp Lite URM-15T).....	139.16	
27 29 00 00-2821	EA	4 Port USB Device Server - Int (Tripp Lite US-4AI)	330.51	
27 29 00 00-2822	EA	USB High Speed Serial Adapter (Tripp Lite USA-19HS)	97.85	
27 29 00 00-2823	EA	USB Twin Serial Adapter ROHS (Tripp Lite USA-28XG).....	485.87	
27 29 00 00-2824	EA	4 Port Serial Adapter RoHS (Tripp Lite USA-49WG).....	478.37	
27 29 00 00-2825	EA	1,250 Watt, 12 Volt DC to AC Inverter for Utility/Work Truck With 2 GFCI Outlets (Tripp Lite UT1250UL)	1,937.39	
27 29 00 00-2826	EA	2,000 Watt, 12 Volt DC to AC Inverter for Utility/Work Truck With 2 GFCI Outlets (Tripp Lite UT2012UL)	3,033.29	
27 29 00 00-2827	EA	750 Watt, 12 Volt DC to AC Inverter for Utility/Work Truck With 2 GFCI Outlets (Tripp Lite UT750UL)	1,546.00	
27 29 00 00-2828	EA	5-16kVA UPS + BP Regular Business Hours Startup in Service Area (Tripp Lite W02-BW0)	3,913.92	
27 29 00 00-2829	EA	5-16kVA UPS + BP Regular Business Hours Startup +1yr Onsite Warranty in Service Area (Tripp Lite W02-BW1-1BD)	7,045.06	
27 29 00 00-2830	EA	5-16kVA UPS + BP Regular Business Hours Startup +1yr 24/7 Onsite Warranty in Service Area (Tripp Lite W02-BW1-247)	8,023.54	
27 29 00 00-2831	EA	5-16kVA UPS + BP Regular Business Hours Startup +2yr Onsite Warranty in Service Area (Tripp Lite W02-BW2-1BD)	10,176.19	
27 29 00 00-2832	EA	5-16kVA UPS + BP Regular Business Hours Startup +2yr 24/7 Onsite Warranty in Service Area (Tripp Lite W02-BW2-247)	12,133.15	
27 29 00 00-2833	EA	5-16kVA UPS + BP Regular Business Hours Startup +3yr OnSite Warranty in Service Area (Tripp Lite W02-BW3-1BD)	13,307.33	
27 29 00 00-2834	EA	5-16kVA UPS + BP Regular Business Hours Startup +3yr 24/7 Onsite Warranty in Service Area (Tripp Lite W02-BW3-247)	16,242.77	
27 29 00 00-2835	EA	5-16kVA UPS + BP Eve/Wknd Hours Startup in Service Area (Tripp Lite W02-EW0).....	5,870.88	
27 29 00 00-2836	EA	5-16kVA UPS + BP Eve/Wknd Hours Startup +1yr Onsite Warranty in Service Area (Tripp Lite W02-EW1-1BD)	9,002.02	
27 29 00 00-2837	EA	5-16kVA UPS + BP Eve/Wknd Hours Startup +1yr 24/7 Onsite Warranty in Service Area (Tripp Lite W02-EW1-247)	9,980.50	
27 29 00 00-2838	EA	5-16kVA UPS + BP Eve/Wknd Hours Startup +2yr Onsite Warranty in Service Area (Tripp Lite W02-EW2-1BD)	12,133.15	
27 29 00 00-2839	EA	5-16kVA UPS + BP Eve/Wknd Hours Startup +2yr 24/7 Onsite Warranty in Service Area (Tripp Lite W02-EW2-247)	14,090.11	
27 29 00 00-2840	EA	5-16kVA UPS + BP Eve/Wknd Hours Startup +3yr Onsite Warranty in Service Area (Tripp Lite W02-EW3-1BD).....	15,264.29	
27 29 00 00-2841	EA	5-16kVA UPS + BP Eve/Wknd Hours Startup +3yr 24/7 Onsite Warranty in Service Area (Tripp Lite W02-EW3-247)	18,199.73	
27 29 00 00-2842	EA	20-40kVA UPS Regular Business Hours Startup +1yr 24/7 Onsite Warranty in Service Area (Tripp Lite W05-BW1-247)	6,653.66	
27 29 00 00-2843	EA	20-40kVA UPS+1BP Regular Business Hours Startup +1yr 24/7 Onsite Warranty in Service Area (Tripp Lite W05-BW1-247-1B).....	9,393.41	
27 29 00 00-2844	EA	20-40kVA UPS Eve/Wknd Hours Startup +1yr 24/7 Onsite Warranty in Service Area (Tripp Lite W05-EW1-247)	8,610.62	
27 29 00 00-2845	EA	20-40kVA UPS+1BP Eve/Wknd Hours Startup +1yr 24/7 Onsite Warranty in Service Area (Tripp Lite W05-EW1-247-1B).....	12,720.24	
27 29 00 00-2846	EA	20-40kVA UPS Prevent Maint AllHrs +1yr Onsite Warranty in Service Area (Tripp Lite W05-SCBAS1).....	16,242.77	
27 29 00 00-2847	EA	20-40kVA UPS +1BP Prevent Maint AllHrs +1yr Onsite Warranty in Service Area (Tripp Lite W05-SCBAS1-1B).....	18,591.12	
27 29 00 00-2848	EA	20-40kVA UPS Prevent Maint Eve/Wknd Hours +1yr Onsite Warranty in Service Area (Tripp Lite W05-SCENH1)	18,101.88	
27 29 00 00-2849	EA	20-40kVA UPS +1BP Prevent Maint Eve/Wknd Hours +1yr Onsite Warranty in Service Area (Tripp Lite W05-SCENH1-1B)	20,743.78	
27 29 00 00-2850	EA	60-80kVA UPS Startup Regular Business Hours +1yr 24/7 Onsite Warranty in Service Area (Tripp Lite W06-BW1-247)	7,827.84	
27 29 00 00-2851	EA	60-80kVA UPS+1BP Startup Regular Business Hours +1yr 24/7 Onsite Warranty in Service Area (Tripp Lite W06-BW1-247-1B).....	10,958.98	
27 29 00 00-2852	EA	60-80kVA UPS Startup Eve/Wknd Hours +1yr 24/7 Onsite Warranty in Service Area (Tripp Lite W06-EW1-247).....	9,784.80	
27 29 00 00-2853	EA	60-80kVA UPS+1BP Startup Eve/Wknd Hours And 1 year 24/7 Onsite Warranty in Service Area (Tripp Lite W06-EW1-247-1B).....	13,698.72	
27 29 00 00-2854	EA	60-80kVA UPS Prevent Maint All Hours And 1 year Onsite Warranty in Service Area (Tripp Lite W06-SCBAS1).....	15,929.65	
27 29 00 00-2855	EA	60-80kVA UPS+1BP Maint AllHrs And 1 year Onsite Warranty in Service Area (Tripp Lite W06-SCBAS1-1B).....	20,978.61	
27 29 00 00-2856	EA	60-80kVA UPS Prevent Maint Eve/Wknd Hours and 1yr Onsite Warranty in Service Area (Tripp Lite W06-SCENH1).....	16,829.86	
27 29 00 00-2857	EA	60-80kVA UPS+1BP Maint Eve/Wknd Hours And 1 year Onsite Warranty in Service Area (Tripp Lite W06-SCENH1-1B)	22,426.76	
27 29 00 00-2858	EA	WatchDog Service Monitoring/Rebooting Software. (Tripp Lite WATCHDOG)	108.72	
27 29 00 00-2859	EA	3-Year Extended Warranty Coverage for 2200-3000VA Smart Pro And Smart Online UPS (Tripp Lite WEXT3-2200-3000)	313.11	
27 29 00 00-2860	EA	3-Year Extended Warranty Coverage for SMART5000RT3U UPS (Tripp Lite WEXT3-5000)	962.82	
27 29 00 00-2861	EA	3-Year Extended Warranty Coverage for SMART5000TEL3U UPS (Tripp Lite WEXT3-5000TEL)	673.19	
27 29 00 00-2862	EA	3-Year Extended Warranty Coverage for SMART5000RT3UXR UPS (Tripp Lite WEXT3-5000XR).....	1,330.73	
27 29 00 00-2863	EA	3-Year Extended Warranty Coverage for 500-1500VA Smart Pro And Smart Online UPS (Tripp Lite WEXT3-500-1500)	156.56	
27 29 00 00-2864	EA	3-Year Extended Warranty Coverage for BP192V12 Battery Pack (Tripp Lite WEXT3-BP192V12)	352.25	
27 29 00 00-2865	EA	3-Year Extended Warranty Coverage for BP192V18 Battery Pack (Tripp Lite WEXT3-BP192V18)	587.09	
27 29 00 00-2866	EA	3-Year Extended Warranty Coverage for BP240V10 Battery Pack (Tripp Lite WEXT3-BP240V10)	262.23	
27 29 00 00-2867	EA	3-Year Extended Warranty Coverage for 24 Volt Battery Pack (Tripp Lite WEXT3-BP24V)	183.95	
27 29 00 00-2868	EA	3-Year Extended Warranty Coverage for 36 Volt Battery Pack (Tripp Lite WEXT3-BP36V)	183.95	

27 Communications
27 20 Data Communications
27 29 Data Communications Network Systems

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

27 29 00 00-2869	EA	3-Year Extended Warranty Coverage for 48 Volt Battery Pack (Tripp Lite WEXT3-BP48V).....	209.39	
27 29 00 00-2870	EA	3-Year Extended Warranty Coverage for BP48V24-2U Battery Pack (Tripp Lite WEXT3-BP48V24).....	132.68	
27 29 00 00-2871	EA	3-Year Extended Warranty Coverage for BP48V48RT4U Battery Pack (Tripp Lite WEXT3-BP48V48).....	286.89	
27 29 00 00-2872	EA	3-Year Extended Warranty Coverage for BP48V60-3U Battery Pack (Tripp Lite WEXT3-BP48V60).....	262.23	
27 29 00 00-2873	EA	3-Year Extended Warranty Coverage for 72V Battery Pack (Tripp Lite WEXT3-BP72V).....	209.39	
27 29 00 00-2874	EA	3-Year Extended Warranty Coverage for ENVIROSENSE (Tripp Lite WEXT3-ENVIRO).....	105.68	
27 29 00 00-2875	EA	3-YR Extended Warranty for Console KVM Switches (Tripp Lite WEXT3-KVM-CONS).....	2,152.66	
27 29 00 00-2876	EA	3-YR Extended Warranty for Rackmount Non-Console KVM Switches (Tripp Lite WEXT3-KVM-RMNC).....	4,305.31	
27 29 00 00-2877	EA	3-Year Extended Warranty Coverage for Omni Smart And Omni Pro UPS (Tripp Lite WEXT3-OMNI).....	156.56	
27 29 00 00-2878	EA	3-Year Extended Warranty Coverage for PDUH15AT and PDUH20AT (Tripp Lite WEXT3-PDU-AT).....	113.50	
27 29 00 00-2879	EA	3-Year Extended Warranty Coverage for Switched PDU's ending with ATNET (Tripp Lite WEXT3-PDU-ATNET).....	140.90	
27 29 00 00-2880	EA	3-Year Extended Warranty Coverage for Switched PDU's ending with HVNET (Tripp Lite WEXT3-PDU-HVNET).....	156.56	
27 29 00 00-2881	EA	3-Year Extended Warranty Coverage for MN Monitored PDU's (Tripp Lite WEXT3-PDU-MN).....	136.99	
27 29 00 00-2882	EA	3-Year Extended Warranty Coverage for Switched PDU's ending with NET (Tripp Lite WEXT3-PDU-NET).....	187.87	
27 29 00 00-2883	EA	3-Year Extended Warranty Coverage for SNMPWEBCARD And SNMPWEBSOLO (Tripp Lite WEXT3-SNMP).....	105.68	
27 29 00 00-2884	EA	3-Year Extended Warranty Coverage for SRCOOL12K (Tripp Lite WEXT3-SRCOOL12K).....	528.38	
27 29 00 00-2885	EA	3-Year Extended Warranty Coverage for SU10KRT3U UPS (Tripp Lite WEXT3-SU10K).....	1,874.77	
27 29 00 00-2886	EA	3-Year Extended Warranty Coverage for SU10KRT3UHV UPS (Tripp Lite WEXT3-SU10KHV).....	1,518.60	
27 29 00 00-2887	EA	3-YR Ext Warranty For SU16K - SU20K Single-Phase UPS Models (Tripp Lite WEXT3-SU16-20K).....	2,974.58	
27 29 00 00-2888	EA	3-Year Extended Warranty Coverage for Smart Online 5000VA UPS (Tripp Lite WEXT3-SU5000).....	1,091.98	
27 29 00 00-2889	EA	3-Year Extended Warranty Coverage for Smart Online 5000VA HV UPS (Tripp Lite WEXT3-SU5000HV).....	911.94	
27 29 00 00-2890	EA	3-Year Extended Warranty Coverage for Smart Online 6000VA UPS (Tripp Lite WEXT3-SU6000).....	1,330.73	
27 29 00 00-2891	EA	3-Year Extended Warranty Coverage for Smart Online 6000VA HV UPS (Tripp Lite WEXT3-SU6000HV).....	1,056.76	
27 29 00 00-2892	EA	3-Year Extended Warranty Coverage for SR6000RT3UXR UPS (Tripp Lite WEXT3-SU6000XR).....	1,639.93	
27 29 00 00-2893	EA	3-Year Extended Warranty Coverage for Smart Online 8000VA UPS (Tripp Lite WEXT3-SU8000).....	1,358.13	
27 29 00 00-2894	EA	5-Year Extended Warranty Coverage for 2200-3000VA Smart Pro And Smart Online UPS (Tripp Lite WEXT5-2200-3000).....	861.06	
27 29 00 00-2895	EA	5-Year Extended Warranty Coverage for 5000VA Smart Online And Smart Pro UPS (Tripp Lite WEXT5-5000).....	2,884.56	
27 29 00 00-2896	EA	5-Year Extended Warranty Coverage for SMART5000TEL3U UPS (Tripp Lite WEXT5-5000TEL).....	2,019.58	
27 29 00 00-2897	EA	5-Year Extended Warranty Coverage for SMART5000RT3UXR UPS (Tripp Lite WEXT5-5000XR).....	3,988.28	
27 29 00 00-2898	EA	5-Year Extended Warranty Coverage for 500-1500VA Smart Pro And Smart Online UPS (Tripp Lite WEXT5-500-1500).....	430.53	
27 29 00 00-2899	EA	5-Year Extended Warranty Coverage for BC Personal UPS (Tripp Lite WEXT5-BCPERS).....	287.67	
27 29 00 00-2900	EA	5-Year Extended Warranty Coverage for BC Pro UPS (Tripp Lite WEXT5-BCPRO).....	430.53	
27 29 00 00-2901	EA	5-Year Extended Warranty Coverage for BP192V12 Battery Pack (Tripp Lite WEXT5-BP192V12).....	1,048.93	
27 29 00 00-2902	EA	5-Year Extended Warranty Coverage for BP192V18 Battery Pack (Tripp Lite WEXT5-BP192V18).....	1,761.26	
27 29 00 00-2903	EA	5-Year Extended Warranty Coverage for BP240V10-3U Battery Pack (Tripp Lite WEXT5-BP240V10).....	782.78	
27 29 00 00-2904	EA	5-Year Extended Warranty Coverage for 24 Volt Battery Pack (Tripp Lite WEXT5-BP24V).....	500.98	
27 29 00 00-2905	EA	5-Year Extended Warranty Coverage for 36 Volt Battery Pack (Tripp Lite WEXT5-BP36V).....	500.98	
27 29 00 00-2906	EA	5-Year Extended Warranty Coverage for 48 Volt Battery Pack (Tripp Lite WEXT5-BP48V).....	575.35	
27 29 00 00-2907	EA	5-Year Extended Warranty Coverage for BP48V24-2U / TAA Battery Pack (Tripp Lite WEXT5-BP48V24).....	398.05	
27 29 00 00-2908	EA	5-Year Extended Warranty Coverage for BP48V48RT4U Battery Pack (Tripp Lite WEXT5-BP48V48).....	860.67	
27 29 00 00-2909	EA	5-Year Extended Warranty Coverage for BP48V60-3U Battery Pack (Tripp Lite WEXT5-BP48V60).....	782.78	
27 29 00 00-2910	EA	5-Year Extended Warranty Coverage for 72V Battery Pack (Tripp Lite WEXT5-BP72V).....	575.35	
27 29 00 00-2911	EA	5-Year Extended Warranty Coverage for ENVIROSENSE (Tripp Lite WEXT5-ENVIRO).....	287.67	
27 29 00 00-2912	EA	5-Year Extended Warranty Coverage for Internet Office UPS (Tripp Lite WEXT5-INTERNET).....	195.70	
27 29 00 00-2913	EA	5-YR Extended Warranty for Console KVM Switches (Tripp Lite WEXT5-KVM-CONS).....	4,305.31	
27 29 00 00-2914	EA	5-YR Extended Warranty for Rackmount Non-Console KVM Switches (Tripp Lite WEXT5-KVM-RMNC).....	8,610.62	
27 29 00 00-2915	EA	5-Year Extended Warranty Coverage for Omni Smart And Omni Pro UPS (Tripp Lite WEXT5-OMNI).....	430.53	
27 29 00 00-2916	EA	5-Year Extended Warranty Coverage for PDUH15AT and PDUH20AT (Tripp Lite WEXT5-PDU-AT).....	332.68	
27 29 00 00-2917	EA	5-Year Extended Warranty Coverage for Switched PDU's ending with ATNET (Tripp Lite WEXT5-PDU-ATNET).....	418.79	
27 29 00 00-2918	EA	5-Year Extended Warranty Coverage for Switched PDU's ending with HVNET (Tripp Lite WEXT5-PDU-HVNET).....	461.84	
27 29 00 00-2919	EA	5-Year Extended Warranty Coverage for MN Monitored PDU's (Tripp Lite WEXT5-PDU-MN).....	371.82	
27 29 00 00-2920	EA	5-Year Extended Warranty Coverage for Switched PDU's ending with NET (Tripp Lite WEXT5-PDU-NET).....	563.60	
27 29 00 00-2921	EA	5-Year Extended Warranty Coverage for SNMPWEBCARD And SNMPWEBSOLO (Tripp Lite WEXT5-SNMP).....	287.67	
27 29 00 00-2922	EA	5-Year Extended Warranty Coverage for SRCOOL12K (Tripp Lite WEXT5-SRCOOL12K).....	1,056.76	
27 29 00 00-2923	EA	5-Year Extended Warranty Coverage for SU10KRT3U UPS (Tripp Lite WEXT5-SU10K).....	5,620.39	
27 29 00 00-2924	EA	5-Year Extended Warranty Coverage for SU10KRT3UHV UPS (Tripp Lite WEXT5-SU10KHV).....	4,551.89	
27 29 00 00-2925	EA	5-YR Ext Warranty For SU16K - SU20K Single-Phase UPS Models (Tripp Lite WEXT5-SU16-20K).....	8,923.74	
27 29 00 00-2926	EA	5-Year Extended Warranty Coverage for Smart Online 5000VA UPS (Tripp Lite WEXT5-SU5000).....	3,275.95	
27 29 00 00-2927	EA	5-Year Extended Warranty Coverage for Smart Online 5000VA HV UPS (Tripp Lite WEXT5-SU5000HV).....	2,735.83	
27 29 00 00-2928	EA	5-Year Extended Warranty Coverage for Smart Online 6000VA UPS (Tripp Lite WEXT5-SU6000).....	3,988.28	
27 29 00 00-2929	EA	5-Year Extended Warranty Coverage for Smart Online 6000VA HV UPS (Tripp Lite WEXT5-SU6000HV).....	3,166.36	
27 29 00 00-2930	EA	5-Year Extended Warranty Coverage for SU6000RT3UXR UPS (Tripp Lite WEXT5-SU6000XR).....	4,919.80	
27 29 00 00-2931	EA	5-Year Extended Warranty Coverage for Smart Online 8000VA UPS (Tripp Lite WEXT5-SU8000).....	4,074.39	

27 30 Voice Communications ⁽²⁷⁾

27 32 Voice Communications Terminal Equipment ^(27 30)

Note: Includes testing of new devices and certification.

27 32 13 Telephone Sets ^(27 32)

27 32 13 00-0001 Interior Telephone Components ^(27 32 13)

27 32 13 00-0002	EA	Solid State Exchange Unit With Power Supply.....	7,799.91	1,072.55
27 32 13 00-0003	EA	Dial Telephone - Handset In Cabinet.....	943.43	87.68
27 32 13 00-0004	EA	Elevator Cab Telephone With Trailer Cable.....	470.14	94.01
27 32 13 00-0005	EA	Loud Ring Bell, 6".....	366.48	87.21
27 32 13 00-0006	EA	Audio/Visual Indicator.....	472.19	82.16
27 32 13 00-0007	EA	Administrative Telephone With Digital Display.....	493.98	73.71
27 32 13 00-0008	EA	Processing Unit For 16 Station System.....	2,405.10	601.30
27 32 13 00-0009	EA	Handset For 16 Station System.....	346.87	59.86
27 32 13 00-0010	EA	Handset In Cabinet, For 16 Station System.....	469.92	80.75
27 32 13 00-0011	MLF	20 Conductor Unshielded Cable, #22.....	3,003.48	1,294.26
27 32 13 00-0012	EA	Power Supply For 16 Station System.....	420.91	159.74

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 32 13 00-0013	EA		Intercom Terminal Board	364.95	179.81
27 32 13 00-0014	EA		Power Supply For Five Station System, 24 Volt DC	438.68	159.74
27 32 13 00-0015	EA		Telephone Communication Board, Insulated Blueboard 24" x 24" x 1/2" Thick	216.15	65.62
27 32 13 00-0016	EA		Telephone Cabinet With Backboard 24" High x 24" Wide x 6" Deep	687.15	144.44
27 32 13 00-0017	EA		Telephone Cabinet With Backboard 30" High x 24" Wide x 6" Deep	812.68	164.17
27 32 13 00-0018	EA		Telephone Cabinet With Backboard 30" High x 30" Wide x 6" Deep	986.50	194.30
27 32 13 00-0019	EA		Telephone Cabinet With Backboard 36" High x 30" Wide x 6" Deep	1,167.82	210.06
27 32 13 00-0020	EA		Telephone Cabinet With Backboard 48" High x 30" Wide x 6" Deep	1,837.42	239.02
27 32 13 00-0021	EA		Ring Rung 3"	12.87	6.54
27 32 13 00-0022	EA		G66B50 Telephone Blocks Including 50 Terminators, Exterior Ring, Marking, ID	32.63	11.62
27 32 13 00-0023	EA		G110 Data Blocks Including Terminator, Exterior Ring, Marking, ID And Testing	58.63	23.82
27 32 13 00-0024 Interior Telephone Accessories (27 32 13)					
27 32 13 00-0025	EA		Blank Telephone Receptacle, Exposed Devices - Complete	13.16	6.33
27 32 13 00-0026	EA		4-Pin Telephone Receptacle, Exposed Devices - Complete	28.82	24.42
27 32 13 00-0027	EA		Dual Flush Mounted, Level 5, RJ-45 Jack, Complete	71.68	26.81
27 32 13 00-0028	EA		Wall Mount, Level 5, RJ-45 Jack, Complete	67.67	26.81
27 32 13 00-0029	EA		Terminating Strips, Inside	137.35	53.61
27 32 13 00-0030	EA		Dual Outlet, 4-Pin Telephone Receptacle, Concealed Type RJ-45 - Complete	59.80	27.58
27 32 13 00-0031	EA		Ready Access Closure 3 To 25 Pair	166.04	64.67
27 32 13 00-0032	EA		Ready Access Closure 25 To 100 Pair	194.63	72.30
27 32 13 00-0033	EA		Termination Block With Bracket 25 Pair	63.16	21.71
27 32 13 00-0034	EA		RJ-11 Telephone Receptacle, Concealed Devices - Complete	58.70	27.23
27 32 13 00-0035	EA		Interior Protected Terminal 25 Pair	731.74	156.81
27 32 13 00-0036	EA		Interior Protected Terminal 50 Pair	871.19	159.27
27 32 13 00-0037	EA		Pedestal 6" x 6" x 50" 3 To 100 Pair	290.99	65.26
27 32 13 00-0038	EA		Pedestal 8" x 8" x 50" 100 To 300 Pair	300.63	65.26
27 32 13 00-0039	EA		Pedestal 10" x 10" x 43" 300 To 600 Pair	397.36	83.45
27 32 13 00-0040	EA		Pedestal 10" x 16" x 439 600 Pair	827.71	150.35
27 32 13 00-0041	EA		Entrance Protector Terminal 100 Pair	1,150.41	171.60
27 32 13 00-0042	EA		Gas Protection Module	17.39	5.87
27 32 13 00-0043	EA		Terminating Boxes, Outside With 3 Element Protectors, Per Pair	30.81	5.36
27 32 13 00-0044 Telephone Equipment (27 32 13)					
27 32 13 00-0045	EA		Flush Mounted IP Video Door Station (Aiphone IX-DVF)	1,092.88	26.41
27 32 13 00-0046	EA		IP Addressable Hands-free Or Handset Master Station With A 7" Color Touchscreen (Aiphone IX-MV7-HB)	1,324.77	7.95
27 32 26 Ring-Down Emergency Telephones (27 32)					
27 32 26 00-0001 Emergency Telephone (27 32 26)					
Note: Includes CB3000 speakerphone, 3 auxiliary inputs, 2 auxiliary outputs, phone line surge suppressor, analog telephone connection, 70 watt area light with blue beacon, high power strobe, lighted faceplate, 110VAC power, ultra weather resistant finish, vandal resistant hardware, UV resistant lens, dome vent; flat area for directory, access control or other options; 12.75" diameter/8'-6" height, 1/4" thick steel construction, foundation anchor kit, ADA compliant.					
27 32 26 00-0002	EA		Code Blue 1-Standard Emergency Telephone Pedestal Unit (CB 1-s)	11,667.06	483.19
Note: Includes IA4100 FP1 analog speakerphone with single red 'Push For Help' button, 'Push For Help' bezel, hard wire phone line, passive vent at top, 24V AC, and standard color.					
27 32 26 00-0003	EA		Code Blue 1-Dual Emergency Telephone Pedestal Unit (CB 1-d)	12,284.49	483.19
Note: Includes IA4100 FP1 analog speakerphone with single red 'Push For Help' button, 'Push For Help' bezel, blank stainless steel plate second opening, hard wire phone line, passive vent at top, 24V AC, and standard color.					
27 32 26 00-0004	EA		Analog Speakerphone With Black Info Button And Red Push For Help Button Code Blue Option (Code Blue IA4100 FP2)	205.81	
27 32 26 00-0005	EA		Analog Speakerphone With Black Call Button, Keypad And Red Push For Help Button Code Blue Option (Code Blue IA4100 FP2-K)	308.71	
27 32 26 00-0006	EA		IP Speakerphone With Single Red Push For Help Button Code Blue Option (Code Blue IP5000 FP1)	771.78	
27 32 26 00-0007	EA		IP Speakerphone With Back Info Button And Red Push For Help Button Code Blue Option (Code Blue IP5000 FP2)	1,049.63	
27 32 26 00-0008	EA		IP Speakerphone With Black Call Button, Keypad And Red Push For Help Button Code Blue Option (Code Blue IP5000 FP2-K)	1,152.53	
27 32 26 00-0009	EA		EMERGENCY (Raised Letters With Braille) Main Bezel Code Blue Option	20.58	
27 32 26 00-0010	EA		EMERGENCY/EMERGENCIA (Raised Letters With Braille) Main Bezel Code Blue Option	20.58	
27 32 26 00-0011	EA		Directory, Second Opening Code Blue Option	185.23	
27 32 26 00-0012	EA		Camera Enclosure With Color IP Camera, Second Opening Code Blue Option	1,955.19	
27 32 26 00-0013	EA		HID Card Reader, Second Opening Code Blue Option	905.56	
27 32 26 00-0014	EA		HID Card Reader And Color IP Camera, Second Opening Code Blue Option	2,932.78	
27 32 26 00-0015	EA		IP Wireless Communication Code Blue Option	6,163.98	
Note: 802.11g or secure mesh 5.8. (system UPS backup or unit Night Charge recommended). IP5000 VoIP Speakerphone option must be ordered when selecting IP Wireless Communications. Requires Base Unit(s) and site survey.					
27 32 26 00-0016	EA		Active Venting Code Blue Option	329.29	
27 32 26 00-0017	EA		Night Charge Power Code Blue Option	2,871.04	
Note: Requires 120V AC external power supplied to Code Blue unit.					
27 32 26 00-0018	EA		Power Transformer Kit, Alternate Incoming Power Code Blue Option	720.33	
27 32 26 00-0019	EA		Overhead Camera Mount Code Blue Option	1,636.18	
Note: Excludes camera.					
27 32 26 00-0020	EA		Custom Color For Overhead Camera Mount Code Blue Option	72.03	
27 32 26 00-0021 City Police Call System (27 32 26)					
27 32 26 00-0022 Components (27 32 26 00-0021)					
27 32 26 00-0023	EA		City Police Call System	905.13	136.85

27 Communications**27 30 Voice Communications****27 32 Voice Communications Terminal Equipment**
 MINOR
CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

27 32 26 00-0024 EA Concrete Foundation For Police Department Telephone Post.....795.31 198.24

27 40 Audio-Video Communications ⁽²⁷⁾**27 41 Audio-Video Systems** ^(27 40)**27 41 16 Integrated Audio-Video Systems and Equipment** ^(27 41)

Note: Includes testing of new devices and certification.

27 41 16 00-0001	Television Distribution System	^(27 41 16)		
	See CSI section 26 05 13 16-0001 for basic wiring.			
27 41 16 00-0002	Mounted Television Support	^(27 41 16 00-0001)		
27 41 16 00-0003	EA Ceiling Mounted Television Support, 19" To 20".....	486.11	131.68	
27 41 16 00-0004	EA Ceiling Mounted Television Support, 19" To 20" With Rack	633.50	146.96	
27 41 16 00-0005	EA Ceiling Mounted Television Support, 25" To 27".....	508.95	131.68	
27 41 16 00-0006	EA Ceiling Mounted Television Support, 25" To 27" With Rack	656.34	146.96	
27 41 16 00-0007	EA Wall Mounted Television Support, 13".....	385.64	105.81	
27 41 16 00-0008	EA Wall Mounted Television Support, 13" With Rack.....	533.01	117.57	
27 41 16 00-0009	EA Wall Mounted Television Support, 19" To 20".....	415.62	105.81	
27 41 16 00-0010	EA Wall Mounted Television Support, 19" To 20" With Rack	562.99	117.57	
27 41 16 00-0011	EA Wall Mounted Television Support, 25" To 27".....	445.61	105.81	
27 41 16 00-0012	EA Wall Mounted Television Support, 25" To 27" With Rack	592.98	117.57	
27 41 16 00-0013	Distribution System	^(27 41 16 00-0001)		
	See CSI section 26 05 13 16-0001 for wire and cabling.			
27 41 16 00-0014	TV Distribution Rack	^(27 41 16 00-0013)		
27 41 16 00-0015	EA Steel Rack Cabinet With Shelves	1,775.66	215.84	
27 41 16 00-0016	EA Switch And Pilot Light	263.35	95.89	
27 41 16 00-0017	LF Surface Raceway With Outlets	31.19	13.03	
27 41 16 00-0018	EA Service Label	36.49	17.96	
27 41 16 00-0019	Head End Amplifier	^(27 41 16 00-0013)		
27 41 16 00-0020	EA Head End Amplifier	1,184.72	143.67	
27 41 16 00-0021	UHF In-Line Booster Amplifier And Power Supply	^(27 41 16 00-0013)		
27 41 16 00-0022	EA UHF In-Line Booster	679.50	143.67	
27 41 16 00-0023	Preamplifiers	^(27 41 16 00-0013)		
27 41 16 00-0024	EA VHF Preamplifier	857.40	143.67	
27 41 16 00-0025	EA UHF Preamplifier	679.50	143.67	
27 41 16 00-0026	Power Supplies	^(27 41 16 00-0013)		
27 41 16 00-0027	EA Common Power Supply	1,224.85	205.29	
27 41 16 00-0028	Line Splitter And Mixer	^(27 41 16 00-0013)		
27 41 16 00-0029	EA Line Splitter	99.65	47.89	
27 41 16 00-0030	EA Two-Way Splitter	113.81	47.89	
27 41 16 00-0031	EA Frequency Filter.....	259.76	71.94	
27 41 16 00-0032	EA Line Splitter And Mixer.....	304.77	105.63	
27 41 16 00-0033	Power Line Filters	^(27 41 16 00-0013)		
27 41 16 00-0034	EA 120-Volt Power Supply Line Filter.....	512.40	95.89	
27 41 16 00-0035	Wall Box And Receiver Outlets	^(27 41 16 00-0013)		
27 41 16 00-0036	EA Wall Box With Lockable Cover, Excluding Outlet Plug.....	259.76	71.94	
27 41 16 00-0037	EA TV Receiver Outlet Plug	113.81	47.89	
27 41 16 00-0038	EA TV Camera Outlet Plug.....	113.81	47.89	
27 41 16 00-0039	EA Audio Outlet Plug.....	96.07	47.89	
27 41 16 00-0040	EA 12 Ft RG 6U Cable With G-59 And TV Set Fittings.....	201.08	95.89	
27 41 16 00-0041	EA Male Plug PL-259	113.81	47.89	
27 41 16 00-0042	EA Wall Box And Receiver Outlet Television Outlets	131.86	50.23	

27 41 33 Master Antenna Television Systems ^(27 41)

27 41 33 00-0001	Antenna Systems	^(27 41 33)		
27 41 33 00-0002	Antenna	^(27 41 33 00-0001)		
27 41 33 00-0003	EA Amateur Radio Antenna.....	1,119.22	176.06	
27 41 33 00-0004	EA Multi-Band Radio Antenna.....	864.37	176.06	
27 41 33 00-0005	Receptacles	^(27 41 33 00-0001)		
27 41 33 00-0006	EA Amateur Radio Antenna System Receptacle With Mating Plugs And Adapter.....	241.99	71.94	

27 41 33 00-0007	EA		Multi-Band Radio Antenna System Receptacle With Mating Plugs	241.99	71.94
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27 41 43 Audio-Video Conferencing (27 41)

27 41 43 00-0001 AVS Control Systems (27 41 43)

27 41 43 00-0002	EA		7" Wall Mount, TouchLink Pro Touchpanel Controller (Extron TLP Pro 720M).....	2,150.78	29.35
27 41 43 00-0003	EA		Back Box For TLP Pro 720M (Extron BB 720M).....	179.94	5.87
27 41 43 00-0004	EA		IPCP 505 IP Link Controller (Extron 60-1071-02).....	4,625.35	29.35
27 41 43 00-0005	EA		IPL250 IP Link Controller (Extron 60-1026-81).....	2,397.98	29.35
27 41 43 00-0006	EA		TLP 1000 10" TouchLink Touchpanel (Extron 60-1104-02).....	5,737.69	29.35
27 41 43 00-0007	EA		MLC 64 RS Keypad Controller (Extron 60-1182-02).....	1,183.10	29.35
27 41 43 00-0008	EA		MLC 226IP AAP Keypad Controller (Extron 60-600-15).....	3,311.84	29.35
27 41 43 00-0009	EA		MLC 226IP AAP Keypad Controller (Extron 60-600-12).....	2,896.14	29.35
27 41 43 00-0010	EA		AAP Device Plate (Extron OFR47-V).....	100.01	11.74
27 41 43 00-0011	EA		AC USB APP Plate (Extron 70-608-12).....	329.11	11.74
27 41 43 00-0012	EA		CM-9BLB 9-Button Control Module (Extron 70-494-03)	608.99	11.74

27 41 43 00-0013 Video Switcher (27 41 43)

27 41 43 00-0014	EA		DVS 605 A Five Input HDCP Compliant Scaler With Seamless Audio Switching (Extron 60-1059-02).....	6,617.98	29.35
27 41 43 00-0015	EA		XTP Crosspoint 3200 Series Frame (Extron 60-1167-01)	29,156.23	29.35
27 41 43 00-0016	EA		XTP Crosspoint 1600 Series Frame (Extron 60-1250-01)	13,265.06	29.35
27 41 43 00-0017	EA		XTP CP 4I DVI PRO Input Board (Extron 70-684-11).....	4,657.73	88.03
27 41 43 00-0018	EA		XTP CP 4I HDMI Input Board (Extron 70-685-11).....	4,657.73	88.03
27 41 43 00-0019	EA		XTP CP 4O DVI PRO Output Board (Extron 70-686-11)	2,095.77	88.03
27 41 43 00-0020	EA		XTP CP 4O Output Board (Extron 70-687-11).....	2,095.77	88.03
27 41 43 00-0021	EA		XTP CP 4I Input Board (Extron 70-940-01).....	6,311.72	88.03
27 41 43 00-0022	EA		XTP CP 4I VGA Input Board (Extron 70-941-01).....	4,657.73	88.03
27 41 43 00-0023	EA		XTP CP 4O Output Board (Extron 70-943-01).....	3,803.75	88.03
27 41 43 00-0024	EA		XTP CP 4O SA Output Board (Extron 70-944-01).....	1,526.45	88.03
27 41 43 00-0025	EA		SW2 HDMI Two Input Switcher With Contact Closure (Extron 60-841-21).....	1,195.38	29.35

27 41 43 00-0026 Video Scaler (27 41 43)

27 41 43 00-0027	EA		VP-410 Composite Video And Stereo Audio To HDMI Scaler (Kramer VP-410)	791.68	11.74
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27 41 43 00-0028 Video Down-Converter (27 41 43)

27 41 43 00-0029	EA		DVI to Computer Graphics/Component/HDTV Video Format Converter (Kramer FC-32)	680.72	11.74
27 41 43 00-0030	EA		HDMI to Composite and S-Video Scaler (Gefen GTV-HDMI-2-Compsvidsn).....	578.29	11.74
27 41 43 00-0031	EA		HDMI Up/Down Scaler and Converter (Atlona AT-HD550).....	477.08	11.74

27 41 43 00-0032 Transmitters And Receivers (27 41 43)

27 41 43 00-0033	EA		XTP T HDMI Transmitter (Extron 60-1043-12)	2,163.23	29.35
27 41 43 00-0034	EA		XTP T USW 103 Transmitter (Extron 60-1198-01)	3,017.22	29.35
27 41 43 00-0035	EA		DTP HDMI 230 Tx Transmitter (Extron 60-1271-12).....	1,138.45	29.35
27 41 43 00-0036	EA		XTP SR HDMI Scaling Receiver (Extron 60-1043-13).....	1,736.24	29.35
27 41 43 00-0037	EA		DTP HDMI 230 Rx Receiver (Extron 60-1271-13).....	1,138.45	29.35

27 41 43 00-0038 Extenders (27 41 43)

27 41 43 00-0039	EA		Category 5 USB 2.0 Extender (Gefen EXT-USB 2.0-LR)	734.05	11.74
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27 41 43 00-0040 Audio DSP (27 41 43)

27 41 43 00-0041	EA		Audia Flex NC (Biamp NC 240).....	5,540.49	29.35
27 41 43 00-0042	EA		MVC C 121 Plus Three Input Stereo Mixer With DSP (Extron 60-1096-01)	841.20	29.35

27 41 43 00-0043 Amplifier (27 41 43)

27 41 43 00-0044	EA		Four-Channel Power Amplifier 200 Watt Per Channel At 70V (QSC CX204V)	3,648.99	29.35
27 41 43 00-0045	EA		XPA 2001 Mono 70 V Amplifier 200 Watt (Extron 60-850-01).....	1,216.83	29.35
27 41 43 00-0046	EA		MP 401 Mono 70 V Amplifier 40 Watt (Extron 60-845-01)	875.24	29.35

27 41 43 00-0047 Speakers (27 41 43)

27 41 43 00-0048	EA		2' x 2', Two-Way Ceiling Speakers (Extron SF 228T).....	984.34	82.16
27 41 43 00-0049	EA		SI 26CT Two-Way Ceiling Speakers With 8" Back Can And 70/100 V Transformer (Extron 42-070-03)	615.98	46.95
27 41 43 00-0050	EA		SM 26T SpeedMount Two-Way Surface Mount Speakers With 6.5" Woofer (Extron 60-1308-02).....	588.95	46.95
27 41 43 00-0051	EA		SI 65 P/T Full-Range Satellite Pendant Speaker (JBL C65P/T)	896.24	46.95

27 41 43 00-0052 Microphones (27 41 43)

27 41 43 00-0053	EA		MX418 SE Gooseneck With H500 Shock Mount And Windscreen (Shure MX418SE/N)	359.56	11.74
27 41 43 00-0054	EA		MX202 Microflex Overhead (Shure MX202B/S).....	413.29	29.35
27 41 43 00-0055	EA		MLP 101 AAP Microphone Preamp (Extron 60-718-11)	601.62	29.35

27 41 43 00-0056 Wireless Microphone System (27 41 43)

27 41 43 00-0057	EA		ULX Professional Series Wireless Handheld Microphone System (Shure ULXP24/58).....	2,067.77	29.35
27 41 43 00-0058	EA		ULX Professional Series Wireless Dual Mixed Microphone System (Shure ULXP124/85).....	2,707.94	29.35

27	27	Communications
	27 40	Audio-Video Communications
	27 41	Audio-Video Systems



		MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 41 43 00-0059					Video Conferencing System (27 41 43)		
27 41 43 00-0060	EA				PrecisionHD 1080P 12X Camera (Cisco CTS-SX20-PHD12X-K9)	19,387.90	117.37
27 41 43 00-0061					Document Camera (27 41 43)		
27 41 43 00-0062	EA				Document Camera (Elmo P-10).....	3,859.70	29.35
27 41 43 00-0063					Interactive Display (27 41 43)		
27 41 43 00-0064	EA				Podium 518 18" Pen Display (Smart SP518-SMP)	7,643.64	29.35
					Note: Pivot and swivel display mount compatible with lectern.		
27 41 43 00-0065					Security Surveillance System (27 41 43)		
27 41 43 00-0066	EA				8 Channel, H.264 Security, 500GB DVR Video Surveillance System With 4 Day/Night Cameras (Zmodo KDF8-BARBZ4ZN-500GB)	1,375.89	234.75
27 41 43 00-0067					Assistive Listening System (27 41 43)		
27 41 43 00-0068	EA				Stationary RF Transmitter (Listen Technologies LT-800-072)	1,939.75	29.35
27 41 43 00-0069	EA				Portable Digital RF Receiver (72 MHz) (Listen Technologies LR-300-072)	232.07	
27 41 43 00-0070	EA				4-Unit RF Product Charging/Carrying (Listen Technologies LA-317)	518.01	
27 41 43 00-0071	EA				Remote Antenna Kit (Listen Technologies LA-130)	219.27	11.74
27 41 43 00-0072					Projector (27 41 43)		
27 41 43 00-0073	EA				Large Venue Projector (Panasonic PT-DZ8700U).....	85,216.25	58.68
27 41 43 00-0074	EA				Fixed Projector (Panasonic PT-FW430U).....	4,040.86	58.68
27 41 43 00-0075	EA				Compact Power Conditioner (SurgeX SA82).....	582.03	11.74
27 41 43 00-0076					Projector Mount (27 41 43)		
27 41 43 00-0077	EA				RPA Elite Projector Mount With Keyed Locking (Chief RPMA145).....	491.76	64.56
27 41 43 00-0078	EA				Custom Projector Mount (Chief VCM75P)	827.95	64.56
27 41 43 00-0079					Ceiling Box For Projector (27 41 43)		
27 41 43 00-0080	EA				2' x 2' Ceiling Box With 6 AC Outlets (FSR CB-22P)	1,329.22	46.95
27 41 43 00-0081					Projection Screens (27 41 43)		
27 41 43 00-0082	EA				60" x 96" Contour Electrol Projector Screen (Da-Lite 37570)	2,497.76	269.96
27 41 43 00-0083	EA				100" x 160" Tensioned Advantage Deluxe Electrol Projector Screen (Da-Lite 70092)	10,834.95	586.86
27 41 43 00-0084					Flat Screen Display Mount (27 41 43)		
27 41 43 00-0085	EA				SmartMount Universal AV TV Mount (PeerLess SF650)	225.13	64.56
27 41 43 00-0086					Flat Screen Displays (27 41 43)		
27 41 43 00-0087	EA				32" Edge-Lit LED Display (Samsung ME32C)	1,441.34	29.35
27 41 43 00-0088	EA				46" Edge-Lit LED Display (Samsung ME46C)	2,473.19	35.21
27 41 43 00-0089	EA				55" Edge-Lit LED Display (Samsung ME55C)	3,994.67	41.08
27 41 43 00-0090	EA				60" Edge-Lit LED Display (Sharp PN-E602)	7,042.41	44.01
27 41 43 00-0091					Cable Cubby (27 41 43)		
27 41 43 00-0092	EA				Cable Cubby 600 Furniture-Mountable Brushed Aluminum Enclosure For Cables, And AAPs (Extron 60-714-10)	1,455.28	58.68
27 41 43 00-0093	EA				Cable Cubby 600 Furniture-Mountable Black Enclosure For Cables, And AAPs (Extron 60-714-00).....	1,059.70	58.68
27 41 43 00-0094	EA				Cable Cubby 600 Furniture-Mountable Black Enclosure For Cables, AAPs, And AC Power Outlets (Extron 60-525-01)	1,113.69	58.68
27 41 43 00-0095	EA				AC Power Modules For Use With Cable Cubby And TLE Series Enclosures (Extron 70-264-01)	329.11	29.35
27 41 43 00-0096					Power Conditioners (27 41 43)		
27 41 43 00-0097	EA				Power Conditioner (Furman PL-8C)	522.70	29.35
27 41 43 00-0098	EA				Power Conditioner (Furman P8PROII).....	693.42	29.35
27 41 43 00-0099	EA				Power Management System (Middle Atlantic RLNK-SW715R)	1,774.49	29.35
27 41 43 00-0100					Lecterns (27 41 43)		
27 41 43 00-0101	EA				Doctorate Lectern With Overbridge Control Console.....	9,065.22	
					For Large Blank Instrument Panel, Add	166.44	
					For Drawer, Add	330.75	
					For Logo Panel, Add	373.43	
					For Rack Mount Pull Out Shelf, Add	315.82	
					For 18" Gooseneck LED Light, Enlighten Series, Surface Mount, Add	224.06	
					For 2RU Rack Mount Blank, Add	51.21	
					For Rack Mount Fan, Single, Add	345.69	
					For Flat Panel Monitor Arm Light Monitor, Up To 11.5 Lb., Add	565.48	
					For Universal Cord Reel Kit, Add	347.83	

Communications			27
Audio-Video Communications			27 40
Audio-Video Systems			27 41

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
27 41 43 00-0102	EA		Media Manager With Overbridge Control Console	5,168.72	
			For Large Blank Instrument Panel, Add	166.44	
			For Rear Rack Rail Kit, Add	204.85	
			For Rack Mount Pull Out Shelf, Add	315.82	
			For Flat Panel Monitor Arm Light Monitor, Up To 11.5 Lb., Add	565.48	
			For Large Logo Plate, Add	138.70	
			For 2RU Rack Mount Drawer, Add	288.08	
			For 18" Gooseneck LED Light, Enlighten Series, Surface Mount, Add	224.06	
			For 1/2RU Rack Mount Blank, Add	42.68	
			For Rack Mount Fan, Single, Add	345.69	
			For Universal Cord Reel Kit, Add	347.83	
27 41 43 00-0103	EA		42" Inspiration Lectern	2,654.99	
			For Small Blank Instrument Panel, Add	121.63	
			For Econo Keyboard Tray, Add	275.27	
			For 2RU Rack Mount Drawer, Add	288.08	
			For Rack Rail Kit, Add	110.96	
			For Locking Door, Add	313.68	
			For 2RU Rack Mount Blank, Add	51.21	
			For Folding Shelf, Add	699.92	
			For Rack Mount Fan, Single, Add	345.69	
			For 2RU Rack Mount Drawer, Add	288.08	
			For Flat Panel Monitor Arm Light Monitor, Up To 11.5 Lb., Add	565.48	
			For Universal Cord Reel Kit, Add	347.83	
27 41 43 00-0104			Small AV Rack (27 41 43)		
27 41 43 00-0105	EA		Equipment Rack Cart With Keyboard Shelf And 17 Rack Spaces (Da-Lite 99480LOL)	2,755.94	29.35
27 41 43 00-0106	EA		19" Pull Out, Rotating Sliding Rail System (Middle Atlantic SRSR-4-22)	1,344.34	29.35
27 41 43 00-0107			Large AV Rack (27 41 43)		
27 41 43 00-0108	EA		19" Gangable Enclosure (Middle Atlantic WRK-44-32)	2,490.64	29.35

27 50 Distributed Communications and Monitoring Systems (27)

27 51 Distributed Audio-Video Communications Systems (27 50)

27 51 16 Public Address and Mass Notification Systems (27 51)

Note: Includes testing of new devices and certification.

27 51 16 00-0001			Audio-Visual Paging System (27 51 16)		
27 51 16 00-0002	EA		Remote Station PA System	117,045.32	7,815.52
27 51 16 00-0003	EA		Speaker Type III, Platform	533.27	34.06
27 51 16 00-0004	EA		Speaker Type III, Mezzanine	533.27	34.06
27 51 16 00-0005	EA		Noise Sensing Microphone, Sidetone	391.06	24.98
27 51 16 00-0006	EA		Single-Sided A/V VMS	8,819.75	563.12
27 51 16 00-0007	EA		Double-Sided A/V VMS	21,508.35	1,373.74
27 51 16 00-0008	EA		Platform Microphone, Lock Box	426.60	27.25
27 51 16 00-0009	EA		Microphone Station With Display, Kiosk	8,603.34	549.49
27 51 16 00-0010	LF		1 TP SHLD 18 AWG	5.38	1.13
27 51 16 00-0011	LF		1 TP SHLD 16 AWG	5.38	1.13
27 51 16 00-0012	LF		9 Pair SHLD 24 AWG	5.38	1.13
27 51 16 00-0013	LF		2 TP SHLD 22 AWG	5.38	1.13
27 51 16 00-0014	LF		12 Pair SHLD 18 AWG	5.38	1.13

27 51 17 Video Intercom and Exterior Gate Control System (27 51)

27 51 17 00-0001			Video Intercom And Exterior Gate Control System (27 51 17)		
27 51 17 00-0002	EA		Audio Video Master Control Station With Handset, White Finish (Aiphone IX-MV7-HW)	1,546.53	146.96
27 51 17 00-0003	EA		Audio Video Master Control Station (Aiphone AX-8MV)	1,239.07	146.96
27 51 17 00-0004	EA		16-call Add-on Selector For AX Masters (Aiphone AX-16SW)	507.44	146.96
27 51 17 00-0005	EA		Central Exchange Unit (Aiphone AX-084C)	1,483.56	73.48
27 51 17 00-0006	EA		Central Exchange Unit (Aiphone AX-248C)	2,025.88	73.48
27 51 17 00-0007	EA		Touch Tone Programmable Dialer (Viking K-1900-5)	149.22	29.40
27 51 17 00-0008	EA		Surface Mount Audio/Video Door Station (Aiphone IX-DV)	1,072.93	29.40
27 51 17 00-0009	EA		Surface Or Flush Wall Mount Audio/Video Door Station (Aiphone IX-DVF)	1,476.51	29.40
27 51 17 00-0010	EA		Surface Mount Audio/Video Door Station (Aiphone AX-DV)	475.84	29.40
27 51 17 00-0011	EA		Flush Mount Audio/Video Door Station (Aiphone AX-DVF)	537.05	29.40
27 51 17 00-0012	EA		12 Volt, 2.5 Amperes, DC Power Supply (Aiphone PS-1225UL)	144.69	14.70
			Note: UL Listed		
27 51 17 00-0013	EA		24 Volt, 2 Amperes, DC Power Supply (Aiphone PS-2420UL)	157.52	14.70
			Note: UL Listed		
27 51 17 00-0014	EA		IP Video Master Station (Aiphone IX-MV)	1,893.46	146.96
27 51 17 00-0015	EA		Handset Only For IX-MV (Aiphone 285999)	64.68	5.88
27 51 17 00-0016	EA		Hands Free Sub Master Video Monitor (Aiphone JF-2HD)	790.69	146.96
27 51 17 00-0017	EA		Stainless Steel Video Door Station With HID ProxPoint Plus Reader, Flush Mount (Aiphone AX-DVF-P)	766.22	29.40
27 51 17 00-0018	EA		Stainless Steel Surface Mount Box For IS-SS, IS-DVF, IS-IPDVF, IX-DF(SS) (Aiphone SBX-IDVF)	229.59	29.40
27 51 17 00-0019	EA		Stainless Steel Surface Mount Box For AX-DVF (Aiphone SBX-AXDVF)	256.64	29.40
27 51 17 00-0020	EA		Stainless Steel Security Lock Box For IS-DV, IS-DVF, IX-DF, IX-SS, IX-DF-HID, And IX-DF-RP10 (Aiphone LB-SDVF/A)	313.09	44.08
27 51 17 00-0021	EA		Front Case With Lens Cover For AX-DV And AX-DVF Cameras (Aiphone 240880)	68.99	14.70

27 51 23 Intercommunications and Program Systems (27 51)

27 Communications**27 50 Distributed Communications and Monitoring Systems****27 51 Distributed Audio-Video Communications Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
27 51 23 20 Commercial Intercommunications and Program Systems (27 51 23)**27 51 23 20-0001 Intercom (27 51 23 20)**

27 51 23 20-0002	EA	Intercom, Single Zone Audio Surveillance Base Station With Talkback Feature (Louroe Electronics #API-TB).....	1,118.08	117.57
27 51 23 20-0003	EA	Two-way Talk/Listen Flush Mounted, Vandal-proof Remote Station Louroe Electronics #TLSP-PB	1,325.02	117.57
		<i>For Surface Mounted Application, Add</i>	67.54	
27 51 23 20-0004	EA	240 Station Intercommunication System In Rack Bogen Multicom 2000	39,408.68	107.23

27 51 43 Sound Reinforcement (27 51)

Note: Includes testing of new devices and certification.

27 51 43 00-0001 Amplifiers (27 51 43)

27 51 43 00-0002	EA	10 Watt PA/Paging System Amplifier, 70 Volt (Bogen C10)	558.04	117.57
27 51 43 00-0003	EA	35 Watt PA/Paging System Amplifier, 70 Volt (Bogen C35)	800.09	117.57
27 51 43 00-0004	EA	60 Watt PA/Paging System Amplifier, 70 Volt (Bogen C60)	955.46	117.57
27 51 43 00-0005	EA	100 Watt PA/Paging System Amplifier, 70 Volt (Bogen 100).....	1,066.31	117.57
27 51 43 00-0006	EA	150 Watt PA/Paging System Amplifier, 70 Volt (Bogen GS150).....	1,334.92	117.57
27 51 43 00-0007	EA	250 Watt PA/Paging System Amplifier, 70 Volt (Bogen GS250).....	1,736.60	117.57
27 51 43 00-0008	EA	Rack Mount Kit For PA/Paging System Amplifiers (Bogen GSRPK)	68.62	5.88
27 51 43 00-0009	EA	PA Equipment, Amplifiers Gogen #WMA-160.....	3,439.97	305.64

27 51 43 00-0010 Splitters (27 51 43)

27 51 43 00-0011	EA	24 Watt, 5 Output, Isolated Splitter (Doug Fleenor 125EE)	3,496.65	88.03
27 51 43 00-0012	EA	1-in/11-out Splitter (Doug Fleenor DMX).....	3,152.40	88.03

27 51 43 00-0013 Speakers (27 51 43)

27 51 43 00-0014	EA	8", 5 Watt Recessed Ceiling Mounted Speaker With Transformer And Baffle (Atlas Sound FD72W)	211.10	31.45
27 51 43 00-0015	EA	8" Steel Baffle (Atlas Sound 51-8)	69.76	5.87
27 51 43 00-0016	EA	T-Bar Support (Atlas Sound EZ95-8).....	78.21	5.87
27 51 43 00-0017	EA	8" Cylindrical Enclosure With Undercoating (Atlas Sound Q408)	123.51	5.87
27 51 43 00-0018	EA	Plate Mounted 10 Watt Attenuator With Priority Relay (Atlas Sound AT10-PA)	111.90	10.56
27 51 43 00-0019	EA	Atlas/Soundier Speaker APC-30T	501.36	31.45
27 51 43 00-0020	EA	Horizontal Line Array Renkus-Heinz # SR62H	796.88	35.21

27 51 43 00-0021 Accessories (27 51 43)

27 51 43 00-0022	EA	Microphone And Stand For Audio/Video System (Bogen MBS-1000A).....	336.77	14.70
27 51 43 00-0023	EA	5 Disk CD Player For Audio/Video System (Bogen DCM290-P).....	760.52	14.70
27 51 43 00-0024	EA	Weather Proof Horn For Audio/Video System (Bogen SPT5A)	187.38	29.40
27 51 43 00-0025	EA	Trumpet Driver And Line Matching Transformer For Audio/Video System (Atlas PD-60A).....	352.22	29.40
27 51 43 00-0026	EA	Headset Microphone For Audio/Video System (Audio Technica Pro8Hex)	255.85	29.35
27 51 43 00-0027	EA	Microphone Jack For Audio/Video System	115.15	29.40
27 51 43 00-0028	EA	Terminal Cabinet For Audio/Video System (Atlas 121-18).....	1,000.64	117.57
27 51 43 00-0029	EA	Volume Control For Audio/Video System (Bogen AT10A).....	109.81	29.40
27 51 43 00-0030	EA	Round Bridge for 8" (S86/S810) Recessed Speakers (Bogen Communications TB8).....	75.24	29.40

27 51 43 00-0031 Removal And Reinstallation Of Speakers (27 51 43)

Note: Includes storage, cleaning and supply materials.

27 51 43 00-0032	EA	Removal And Reinstallation Of Ceiling Mounted Speaker	164.33	
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27 53 Distributed Systems (27 50)**27 53 13 Clock Systems (27 53)****27 53 13 13 Wireless Clock Systems (27 53 13)****27 53 13 13-0001 Wireless Synchronized GPS Clock System (Sapling) (27 53 13 13)****27 53 13 13-0002 Master Clock (Sapling SMA 2000 Series) (27 53 13 13-0001)**

Note: Includes Sapling standard 2 year "material" warranty and applies to Master Clocks, Analog Clocks, Digital Clocks and Converter Boxes.

27 53 13 13-0003	EA	Master Clock, 900 MHz Transmitter, GPS, Surface Wall Mount (Sapling SMA-2S0-1100-1)	8,274.17	88.03
27 53 13 13-0004	EA	Master Clock, 900 MHz Transmitter, GPS, Rack Mount And Wall Mount Antenna (Sapling SMA-2R0-1100-1)	8,750.53	88.03
27 53 13 13-0005	EA	Master Clock, 900 MHz Transmitter, Surface Wall Mount (Sapling SMA-2S0-1000-1).....	4,701.47	88.03
27 53 13 13-0006	EA	Master Clock, 900 MHz Transmitter, Rack Mount And Wall Mount Antenna (Sapling SMA-2R0-1000-1).....	5,177.83	88.03
27 53 13 13-0007	EA	NTP Server Upgrade (Sapling SMA-000-SERV-0)	3,260.40	

27 53 13 13-0008 Wireless Repeaters (Sapling) (27 53 13 13-0001)

27 53 13 13-0009	EA	Wireless Repeater, 900 MHz, RS485 Input, Surface Wall Mount (Sapling SMA-1SR-0000-1).....	2,017.14	58.68
27 53 13 13-0010	EA	Wireless Network Repeater, 900 MHz, 110 VAC - 230 VAC, With TCP/IP For Campus Environments, Surface Wall Mount (Sapling SMA-1SM-0000-1)	2,260.99	58.68

27 53 13 13-0011 Wireless Round Analog Clocks (Sapling SAL-4 Series) (27 53 13 13-0001)

Note: Includes Sapling standard 2 year "material" warranty and applies to Master Clocks, Analog Clocks, Digital Clocks and Converter Boxes.

27 53 13 13-0012	EA	Analog, Wireless Slim Line, 900 MHz, 12" Round, Battery-Operated, Surface Wall Mount, Black Case (Sapling SAL-4BS-12R-0).....	434.15	29.35
27 53 13 13-0013	EA	Double Mount Housing With Metal Pole For Slim Line 12" Round Analog Clock, Black (Sapling SAH-1BD-12R-0)	272.56	29.35

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 53 13 13-0014	EA	Analog, Wireless Slim Line, 900 MHz, 16" Round, Battery-Operated, Surface Wall Mount, Black Case (Sapling SAL-4BS-16R-0).....	519.98	29.35
27 53 13 13-0015	EA	Double Mount Housing With Metal Pole For Slim Line 16" Round Analog Clock, Black (Sapling SAH-1BD-16R-0).....	308.20	29.35
27 53 13 13-0016 Wireless GPS Accessories (Sapling) (27 53 13 13-0001)				
27 53 13 13-0017	EA	GPS Mounting Kit (Sapling M-GPS-MTG-KIT-1)	82.81	23.47
27 53 13 13-0018	EA	Wall Mount, L-Shape, GPS Mounting Kit (Sapling M-GPS-MTG90-KIT-1).....	118.68	23.47
27 53 13 13-0019	EA	GPS Antenna Cable, 150 Foot (45.7 Meters) Length (Sapling E-ANT-CBL150F-1).....	1,044.14	51.35
27 53 13 13-0020	EA	GPS Antenna Cable, 300 Foot (91.4 Meters) Length (Sapling E-ANT-CBL300F-1).....	1,858.42	73.36
27 53 13 13-0021	EA	GPS Surge Protector/Arrestor (Sapling E-GPS-SURGE-1).....	653.63	5.87
27 53 13 13-0022 2.4 GHz, 2.5", 6-Digit, Digital Messaging Wireless Clock System (Sapling SLDG 3000 Series) (27 53 13 13)				
Note: Includes Sapling standard 2 year "material" warranty and applies to Master Clocks, Analog Clocks, Digital Clocks and Converter Boxes. Quantities over 25 for all digital clocks are Non-Cancelable, Non-Returnable (NCNR). (50) Clock Minimum Quantity Required Per System order for SLDG-32S-256-4R. (25) Clock Minimum Quantity Required Per System order for SLDG-32S-256-1R. All digital clocks are available without bezel or without the housing. Contact Sapling for details. Contact Sapling for Factory Customized Message Options. All digital clocks are pre-loaded and shipped with the following messages below: (1) Tornado Warning (2) Inclement Weather (3) Take Cover (4) Evacuate (5) Lockdown (6) Fire (7) Early Dismissal (8) Flood Warning (9) Earthquake (10) Code Blue (11) All Clear (12) Operation in Progress (13) Test in Progress (14) Lunch Break (15) Shift Break.				
27 53 13 13-0023	EA	3200 Digital Messaging Wireless Clock, 2.4 GHz, 2.5", Dot Matrix Red Display, 24 VAC/VDC, Surface Wall Mount (Sapling SLDG-32S-256-4R).....	1,374.09	88.03
Note: Capability to interface with either Sapling's Elapsed Timer Control Panel Or Sapling Temperature Sensor.				
27 53 13 13-0024	EA	3200 Digital Messaging Wireless Clock, 2.4 GHz, 2.5", Dot Matrix Red Display, 110 Volt, Surface Wall Mount (Sapling SLDG-32S-256-1R).....	1,405.75	88.03
Note: Capability to interface with either Sapling's Elapsed Timer Control Panel Or Sapling Temperature Sensor.				
27 53 13 13-0025	EA	3300 Digital Messaging Wireless Clock, 2.4 GHz, 2.5", Dot Matrix Red Display, 24 VAC/VDC, Surface Wall Mount And Relay Output/Input (Sapling SLDG-33S-256-4R).....	1,686.08	88.03
Note: Capability to interface with either Sapling's Elapsed Timer Control Panel Or Sapling Temperature Sensor.				
27 53 13 13-0026	EA	3300 Digital Messaging Wireless Clock, 2.4 GHz, 2.5", Dot Matrix Red Display, 110 Volt, Surface Wall Mount And Relay Output/Input (Sapling SLDG-33S-256-1R)	1,717.75	88.03
Note: Capability to interface with either Sapling's Elapsed Timer Control Panel Or Sapling Temperature Sensor.				
27 53 13 13-0027	EA	Short Metal Pole For Ceiling Mount Only For Double/Flag Mount, 8.5", Digital Or Square Analog Clock, Black (Sapling SAB-1BD-01S-0).....	183.12	23.47
27 53 13 13-0028	EA	Metal Pole For Double/Flag Mount, Wall Or Ceiling, 13.5", Digital Or Square Analog Clock, Black (Sapling SAB-1BD-00S-0).....	183.12	23.47
27 53 13 13-0029	EA	Clock Message Setup Fee, Per Clock (Sapling CLK-MSG-SETUP).....	32.60	
27 53 13 13-0030	EA	USB Programming Cable + Software For 3200/3300 Digital Clocks (Sapling D-USB485-INTF-1).....	262.63	2.94
27 53 13 13-0031	EA	Elapsed Timer Control Panel For 3200/3300 Clock Model (Sapling SBD-ELT-001-0)	525.25	5.87
27 53 13 13-0032	EA	Elapsed Timer Specialty Buttons Kit (Sapling SBD-ELT-BUT-0).....	95.53	2.94
27 53 13 13-0033	EA	Elapsed Timer Clear Protective Cover - Set of 2 Covers (Sapling A-ELT-CLR-GUARD-1).....	19.10	0.59
27 53 13 13-0034	EA	Temperature Sensor for 3200/3300 Digital Clock Model (Sapling SBD-TEMP-000-0).....	119.33	5.87
27 53 13 13-0035 2.4 GHz Wireless Message System/Master Clock And Transmitter (Sapling SMM 3000 Series) (27 53 13 13)				
Note: Includes Sapling standard 2 year "material" warranty and applies to Master Clocks, Analog Clocks, Digital Clocks and Converter Boxes.				
27 53 13 13-0036	EA	Master Clock With 2.4 GHz Transmitter For Time Data And Messages, Rack Mount And Wall Remote Mount Antenna, 8 Programmable Relays/Zones (Sapling SMM-3R0-G008-1)	6,865.42	88.03
27 53 13 13-0037	EA	Master Clock With 2.4 GHz Transmitter And GPS For Time Data And Messages, Rack Mount And Wall Remote Mount Antenna, 8 Programmable Relays/Zones (Sapling SMM-3R0-G108-1)	9,453.53	88.03
27 53 13 13-0038	EA	Message Input Box, 16 Inputs, Rack Mount, For SMM Master Clock (Sapling SMI-000-0016-0).....	3,027.28	58.68
27 53 13 13-0039	EA	Wireless Network Repeater, 2.4 GHz, 110 VAC - 230 VAC, with TCP/IP for Campus Environments, Surface Wall Mount (Sapling SMA-1SM-G000-1)	1,734.94	58.68
27 53 13 13-0040	EA	NTP Server Upgrade (Sapling SMA-000-SERV-0).....	3,260.40	
27 53 13 13-0041	EA	Countdown Feature Upgrade (Sapling SMA-000-CDOW-0).....	1,613.90	
27 53 13 13-0042 Clear Polycarbonate Protective Covers For Wireless Clocks (Sapling) (27 53 13 13)				
Note: For applications requiring defense against constant moisture or fine dust, a silicone sealant between the cover and wall is recommended.				
27 53 13 13-0043	EA	Clear Polycarbonate Protective Cover For 9" Square And 12" Round Analog Clock (Sapling SAG-CLR-COVR-12).....	440.16	14.67
27 53 13 13-0044	EA	Clear Polycarbonate Protective Cover For 2.5" Digital Clock (Sapling SDG-CLR-COVR-25)	440.16	14.67
27 53 13 13-0045 Wire Guards For Wireless Synchronized Clocks (Sapling) (27 53 13 13)				
27 53 13 13-0046	EA	Wire Guard For Round Or Square Analog Clocks (Sapling SAG-1200).....	242.74	14.67
27 53 13 13-0047	EA	Wire Guard for 2.5" or 4.0" Digital Clocks (Sapling SDG-2017).....	338.97	14.67
27 53 13 13-0048 Wireless Synchronized Clock Transmitters (27 53 13 13)				
27 53 13 13-0049 Analog, Wireless Synchronized Clocks (Primex Traditional Series) (27 53 13 13-0048)				
27 53 13 13-0050	EA	12.5", Battery Operated, Single Sided, Analog, Wireless Synchronized Clock.....	311.28	29.35
For >100 To 250, Deduct			-54.25	
For >250, Deduct			-64.35	
27 53 13 13-0051	EA	12.5", Battery Operated, Dual Sided, Analog, Wireless Synchronized Clock	563.88	29.35
For >100 To 250, Deduct			-36.57	
For >250, Deduct			-44.15	
27 53 13 13-0052	EA	16", Battery Operated, Single Sided, Analog, Wireless Synchronized Clock.....	363.54	29.35
For >100 To 250, Deduct			-63.66	
For >250, Deduct			-75.85	

27 Communications**27 50 Distributed Communications and Monitoring Systems****27 53 Distributed Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
27 53 13 13-0053	EA 12.5", Electric, Single Sided, Analog, Wireless Synchronized Clock <i>For >100 To 250, Deduct</i> <i>For >250, Deduct</i>	354.83 -62.09 -73.94		29.35	
27 53 13 13-0054	EA 12.5", Electric, Dual Sided, Analog, Wireless Synchronized Clock <i>For >100 To 250, Deduct</i> <i>For >250, Deduct</i>	650.98 -41.36 -50.24		29.35	
27 53 13 13-0055	EA 16", Electric, Single Sided, Analog, Wireless Synchronized Clock <i>For >100 To 250, Deduct</i> <i>For >250, Deduct</i>	407.09 -47.11 -61.04		29.35	
27 53 13 13-0056	Digital, Wireless Synchronized Clocks (Primex Digital Series) (27 53 13 13-0048)				
27 53 13 13-0057	4-Digit, Digital, Wireless Synchronized Clocks (27 53 13 13-0056)				
27 53 13 13-0058	EA 2.5", Single Sided, 4-Digit, Red LED Digital, Wireless Synchronized Clock <i>For Green LED, Add</i> <i>For >100 To 250, Deduct</i> <i>For >250, Deduct</i>	459.36 40.07 -40.84 -60.87		29.35	
27 53 13 13-0059	EA 2.5", Dual Sided, 4-Digit, Red LED Digital, Wireless Synchronized Clock <i>For Green LED, Add</i> <i>For >100 To 250, Deduct</i> <i>For >250, Deduct</i>	860.03 80.14 -88.92 -225.15		29.35	
27 53 13 13-0060	EA 4", Single Sided, 4-Digit, Red LED Digital, Wireless Synchronized Clock <i>For Green LED, Add</i> <i>For >100 To 250, Deduct</i> <i>For >250, Deduct</i>	511.62 45.29 -29.16 -42.75		29.35	
27 53 13 13-0061	EA 4", Dual Sided, 4-Digit, Red LED Digital, Wireless Synchronized Clock <i>For Green LED, Add</i> <i>For >100 To 250, Deduct</i> <i>For >250, Deduct</i>	964.56 90.59 -81.25 -253.37		29.35	
27 53 13 13-0062	6-Digit, Digital, Wireless Synchronized Clocks (27 53 13 13-0056)				
27 53 13 13-0063	EA 2.5", Single Sided, 6-Digit, Red LED Digital, Wireless Synchronized Clock <i>For Green LED, Add</i> <i>For >100 To 250, Deduct</i> <i>For >250, Deduct</i>	511.62 45.29 -33.69 -48.19		29.35	
27 53 13 13-0064	EA 2.5", Dual Sided, 6-Digit, Red LED Digital, Wireless Synchronized Clock <i>For Green LED, Add</i> <i>For >100 To 250, Deduct</i> <i>For >250, Deduct</i>	964.56 90.59 -73.10 -171.84		29.35	
27 53 13 13-0065	EA 2.5", Flush Mount, 6-Digit, Red LED Digital, Wireless Synchronized Clock <i>For Green LED, Add</i> <i>For >100 To 250, Deduct</i> <i>For >250, Deduct</i>	598.72 54.00 -27.68 -41.18		29.35	
27 53 13 13-0066	Wire Guards For Wireless Synchronized Clocks (27 53 13 13-0048)				
27 53 13 13-0067	EA 18" x 18" Analog Clock Wire Guard For 16" Wireless Synchronized Clocks.....	160.01		14.67	
27 53 13 13-0068	EA Digital Clock Wire Guard For 2.5" Wireless Synchronized Clocks	72.90		14.67	
27 53 13 13-0069	EA Digital Clock Wire Guard For 4" Wireless Synchronized Clocks.....	81.61		14.67	
27 53 13 13-0070	Wireless Synchronized Clock Transmitters (27 53 13 13-0048) Note: Includes 16 channel transmitter with daylight savings bypass and time zone switch, GPS receiver, 16' cable and window installation hardware.				
27 53 13 13-0071	EA Internal Antenna, One Watt GPS Wireless Clock Transmitter (Primex 14000)..... <i>For Roof Mounted GPS Receiver, Add</i>	3,477.28 505.78		88.03	
27 53 13 13-0072	EA External Antenna, One Watt GPS Wireless Clock Transmitter (Primex 14000-E)..... Note: Includes 100' antenna cable, 29.4" high x 41.5" wide ground plane antenna with direct ground lightning protection. <i>For Roof Mounted GPS Receiver, Add</i>	5,663.58 724.41		88.03	
27 53 13 13-0073	EA Repeater, Satellite Transmitter (Primex 14006)..... Note: Includes 100' antenna cable, 29.4" high x 41.5" wide ground plane antenna with direct ground lightning protection.	3,418.59		58.68	
27 53 13 13-0074	Accessories For Wireless Synchronized Clock Transmitters (27 53 13 13-0048)				
27 53 13 13-0075	EA External Antenna Mounting Kit For Wireless Synchronized Clock Transmitters	308.26		23.47	
27 53 13 13-0076	EA Transmitter Rack For Wireless Synchronized Clock Transmitters	137.54		23.47	
27 53 13 13-0077	EA Surge Protector And Battery Back Up For Wireless Synchronized Clock Transmitters	206.85		11.74	
27 53 13 13-0078	EA 50' GPS Receiver Cable For Wireless Synchronized Clock Transmitters.....	175.40		29.35	
27 53 13 13-0079	EA 100' GPS Receiver Cable For Wireless Synchronized Clock Transmitters.....	244.82		44.01	
27 53 13 13-0080	EA 200' GPS Receiver Cable For Wireless Synchronized Clock Transmitters.....	361.26		58.68	
27 53 13 16	Wired Clock Systems (27 53 13)				
27 53 13 16-0001	Wired Self-Corrective Clock Systems (27 53 13 16)				
27 53 13 16-0002	Wired Self-Corrective Clocks (27 53 13 16-0001)				
27 53 13 16-0003	Analog, Wired Self-Corrective Clocks (Telecor) (27 53 13 16-0002)				
27 53 13 16-0004	24 Volt AC, Analog, Wired Self-Corrective Clocks (27 53 13 16-0003)				
27 53 13 16-0005	EA 12", Single Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	265.12 -17.04 -25.30		29.35	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 53 13 16-0006	EA	12"	Dual Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount.....	633.56	29.35
			For >50 To 100, Deduct	-31.78	
			For >100, Deduct	-54.77	
27 53 13 16-0007	EA	16"	Single Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount	333.06	29.35
			For >50 To 100, Deduct	-22.50	
			For >100, Deduct	-33.48	
27 53 13 16-0008	EA	16"	Dual Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount.....	837.39	29.35
			For >50 To 100, Deduct	-86.65	
			For >100, Deduct	-117.80	
27 53 13 16-0009 120 Volt AC, Analog, Wired Self-Corrective Clocks (27 53 13 16-0003)					
27 53 13 16-0010	EA	12"	Single Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount	265.12	29.35
			For >50 To 100, Deduct	-17.04	
			For >100, Deduct	-25.30	
27 53 13 16-0011	EA	12"	Dual Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount.....	633.56	29.35
			For >50 To 100, Deduct	-31.78	
			For >100, Deduct	-54.77	
27 53 13 16-0012	EA	16"	Single Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount	333.06	29.35
			For >50 To 100, Deduct	-22.50	
			For >100, Deduct	-33.48	
27 53 13 16-0013	EA	16"	Dual Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount.....	837.39	29.35
			For >50 To 100, Deduct	-86.65	
			For >100, Deduct	-117.80	
27 53 13 16-0014 Accessories For Analog Wired Self-Corrective Clocks (27 53 13 16-0003)					
27 53 13 16-0015	EA		Wire Guards For 12", 15" Or 16" Analog Wired Self-Corrective Clocks	218.80	14.67
27 53 13 16-0016	EA		Back Box For 10", 12" Or 15" Flush Mount Analog Wired Self-Corrective Clocks	55.48	14.67
27 53 13 16-0017	EA		Surface Mounting Rings For 12" Analog Wired Self-Corrective Clocks	70.52	14.67
27 53 13 16-0018	EA		Surface Mounting Rings For 15" Analog Wired Self-Corrective Clocks	86.19	14.67
27 53 13 16-0019	EA		Combination Back Box For Speaker And Clock	159.80	23.47
27 53 13 16-0020 Digital, Wired Self-Corrective Clocks (Telecor) (27 53 13 16-0002)					
27 53 13 16-0021 24 Volt AC, Digital, Wired Self-Corrective Clocks (27 53 13 16-0020)					
27 53 13 16-0022	EA	2.5"	24 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount.....	327.83	29.35
			For Surface Mount, Add	53.83	
			For >50 To 100, Deduct	-16.15	
			For >100, Deduct	-26.92	
27 53 13 16-0023	EA	4"	24 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount.....	505.52	29.35
			For Surface Mount, Add	89.37	
			For >50 To 100, Deduct	-26.81	
			For >100, Deduct	-44.68	
27 53 13 16-0024 120 Volt AC, Digital, Wired Self-Corrective Clocks (27 53 13 16-0020)					
27 53 13 16-0025	EA	2.5"	120 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount.....	327.83	29.35
			For Surface Mount, Add	53.83	
			For >50 To 100, Deduct	-16.15	
			For >100, Deduct	-26.92	
27 53 13 16-0026	EA	4"	120 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount.....	505.52	29.35
			For Surface Mount, Add	89.37	
			For >50 To 100, Deduct	-26.81	
			For >100, Deduct	-44.68	
27 53 13 16-0027 Replacement Modules For 24 Volt AC, Digital, Wired Self-Corrective Clocks (27 53 13 16-0020)					
27 53 13 16-0028	EA	2.5"	Replacement Module For 24 Volt AC, Digital, Wired Self-Corrective Clocks.....	280.15	29.35
			For >50 To 100, Deduct	-13.29	
			For >100, Deduct	-22.15	
27 53 13 16-0029	EA	4"	Replacement Module For 24 Volt AC, Digital, Wired Self-Corrective Clocks.....	462.40	29.35
			For >50 To 100, Deduct	-24.22	
			For >100, Deduct	-40.37	
27 53 13 16-0030 Replacement Modules For 120 Volt AC, Digital, Wired Self-Corrective Clocks (27 53 13 16-0020)					
27 53 13 16-0031	EA	2.5"	Replacement Module For 120 Volt AC, Digital, Wired Self-Corrective Clocks.....	280.15	29.35
			For >50 To 100, Deduct	-13.29	
			For >100, Deduct	-22.15	
27 53 13 16-0032	EA	4"	Replacement Module For 120 Volt AC, Digital, Wired Self-Corrective Clocks.....	462.40	29.35
			For >50 To 100, Deduct	-24.22	
			For >100, Deduct	-40.37	
27 53 13 16-0033 Accessories For Digital Wired Self-Corrective Clocks (27 53 13 16-0020)					
27 53 13 16-0034	EA		Wire Guard For 4" Surface Mount Analog Wired Self-Corrective Clocks.....	298.50	14.67
27 53 13 16-0035	EA		2.5", Recessed Back Box For Flush Mount Digital Wired Self-Corrective Clocks	71.16	14.67
27 53 13 16-0036	EA		4", Recessed Back Box For Flush Mount Digital Wired Self-Corrective Clocks	98.60	14.67
27 53 13 16-0037	EA		Dual Mounting Kit For Surface Mount Digital Wired Self-Corrective Clocks	260.61	14.67
27 53 13 16-0038	EA		4 Gang Extension Ring For Surface Mount Digital Wired Self-Corrective Clocks.....	73.13	14.67
27 53 13 16-0039 Wired Self-Corrective Master Clocks (27 53 13 16-0001)					

27 Communications**27 50 Distributed Communications and Monitoring Systems****27 53 Distributed Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

27 53 13 16-0040		Wired Self-Corrective Master Clocks (27 53 13 16-0039)			
27 53 13 16-0041	EA	24 Volt AC, Wired Self-Corrective Master Clock, Surface Mount (Telecor 2400-S-24).....	3,077.37		234.75
27 53 13 16-0042	EA	120 Volt AC, Wired Self-Corrective Master Clock, Surface Mount (Telecor 2400-S-120).....	3,273.35		234.75
27 53 13 16-0043		Accessories For Wired Self-Corrective Master Clocks (27 53 13 16-0039)			
27 53 13 16-0044	EA	5 Amperes Power Transformer For 24 Volt AC, Wired Self-Corrective Clock Systems (Telecor 2405).....	315.32		58.68
27 53 13 16-0045	EA	10 Amperes Power Transformer For 24 Volt AC, Wired Self-Corrective Clock Systems (Telecor 2406).....	356.47		58.68
27 53 13 16-0046		Other Clock And Program Systems (27 53 13 16)			
27 53 13 16-0047	EA	4 Circuit Master Clock And Signal Control (Lathem LTR4-512).....	2,030.34		117.37
27 53 13 16-0048	EA	8 Circuit Master Clock And Signal Control (Lathem LTR8-512).....	2,435.33		234.75
27 53 13 16-0049	EA	Program Bell (Lathem 906-6).....	290.28		58.68
27 53 13 16-0050	EA	Combination Clock And Speaker	656.17		146.71
27 53 13 16-0051	EA	5 Amp, 115/220 VAC, 24 VAC, RTN, 24 VDC Power Supply (Lathem PS8-24).....	649.40		58.68

END OF SECTION 27

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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28 Electronic Safety and Security

Note: Termination costs are included with all safety and security equipment, panel boards, and devices. Terminations are not included with patch panels.

28 05 Common Work Results for Electronic Safety and Security ⁽²⁸⁾

28 05 26 Grounding and Bonding for Electronic Safety and Security ^(28 05)

See CSI section 26 05 26 00-0000 for grounding and bonding.

28 05 53 Identification for Electronic Safety and Security ^(28 05)

See CSI section 26 05 53 00-0000 for identification.

28 10 Access Control ⁽²⁸⁾

Note: Includes testing of new devices and certification.

28 15 Integrated Access Control Hardware Devices ^(28 10)

28 15 11 Integrated Credential Readers and Field Entry Management ^(28 15)

28 15 11 13 Keypads ^(28 15 11)

28 15 11 13-0001 Vindicator Security Alarm System ^(28 15 11 13)

28 15 11 13-0002	EA	Switch, Balanced Magnetic Door (Security) Vindicator #192-30894-00.....	1,644.51	244.72
28 15 11 13-0003	EA	Detector, Passive Infrared (Security) Vindicator #316-30812-00.....	2,079.95	318.08
28 15 11 13-0004	EA	Premise Control Unit (Security) Vindicator #548-32004-01.....	11,751.59	697.19
28 15 11 13-0005	EA	Access Manager (Security Key Pad) Vindicator #548-31894-01.....	5,582.10	594.14
28 15 11 13-0006	EA	ALS Duress Switch (Security) Vindicator #192-30810-00.....	1,304.00	325.00

28 16 Access Control Interfaces ^(28 10)

28 16 11 Access Control Interfaces to Access Control Hardware ^(28 16)

28 16 11 00-0001 Stand-Alone Access Controls ^(28 16 11)

28 16 11 00-0002 Push Button Controls, Stand-Alone Access Controls ^(28 16 11 00-0001)

28 16 11 00-0003 Interior Mount, Push Button Controls, Stand-Alone Access Controls ^(28 16 11 00-0002)

28 16 11 00-0004	EA	Exit Push Button, Push Button Controls, Interior Stand-Alone Access Controls.....	141.11	29.35
Note: Controls mount to a standard mullion.				
28 16 11 00-0005	EA	Exit Push Button, Push Button Controls, Interior Stand-Alone Access Controls.....	147.97	29.35
Note: Controls mount into a single gang electrical box. Excludes electrical box.				
28 16 11 00-0006	EA	Three Button, Push Button Controls, Interior Stand-Alone Access Controls For Gate Operators.....	187.47	29.35
Note: Controls mount into a single gang electrical box. Excludes electrical box.				

28 16 11 00-0007 Exterior Mount, Push Button Controls, Stand-Alone Access Controls ^(28 16 11 00-0002)

Note: Includes a lockable, gasketed 16 gauge steel enclosure. Excludes mounting posts.				
28 16 11 00-0008	EA	Handicap/Push To Open, Push Button Controls, Exterior Stand-Alone Access Controls.....	177.74	29.35
Note: Controls mount into a single gang electrical box. Excludes electrical box.				
28 16 11 00-0009	EA	42" High Aluminum Post With Handicap/Push To Open, Push Button Controls, Exterior Stand-Alone Access Controls.....	860.65	88.03
Note: Includes post, mounting base and push button control. Excludes concrete foundation.				
28 16 11 00-0010	EA	Three Button, Exterior Stand-Alone Access Controls For Gate Operators.....	290.50	29.35
Note: Includes open, close and stop controls.				

28 16 11 00-0011 Key Controls, Stand-Alone Access Controls ^(28 16 11 00-0001)

28 16 11 00-0012 Interior Mount, Key Controls, Stand-Alone Access Controls ^(28 16 11 00-0011)

28 16 11 00-0013	EA	Standard Mortise Key, Key Controls, Interior Stand-Alone Access Controls.....	200.35	29.35
Note: Controls mount into a single gang electrical box. Excludes electrical box.				

28 16 11 00-0014 Exterior Mount, Key Controls, Stand-Alone Access Controls ^(28 16 11 00-0011)

Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts.				
28 16 11 00-0015	EA	Postal Or Fire Department Lock Box, Key Controls, Exterior Stand-Alone Access Controls.....	306.26	58.68
Note: Opens door or gate with a postal or fire department key.				
28 16 11 00-0016	EA	Standard Mortise Key, Key Controls, Exterior Stand-Alone Access Controls.....	488.29	58.68
28 16 11 00-0017	EA	Ace Key, Key Controls, Exterior Stand-Alone Access Controls.....	488.29	58.68
28 16 11 00-0018	EA	Standard Mortise Key And Push Button Intercom, Key Controls, Exterior Stand-Alone Access Controls.....	749.30	58.68

28 16 11 00-0019 Keypad Controls, Stand-Alone Access Controls ^(28 16 11 00-0001)

28 16 11 00-0020 Interior Mount, Keypad Controls, Stand-Alone Access Controls ^(28 16 11 00-0019)

28 16 11 00-0021	EA	One Code Memory, Keypad Control, Interior Stand-Alone Access Controls.....	281.92	29.35
Note: Stores one 4-digit entry code and one 4-digit hold code. Controls mount into a single gang electrical box. Excludes electrical box.				

28 16 11 00-0022 Exterior Mount, Keypad Controls, Stand-Alone Access Controls ^(28 16 11 00-0019)

Note: Includes a surface mounted lockable NEMA rain resistant steel enclosure. Excludes mounting posts.

28 Electronic Safety and Security**28 10 Access Control****28 16 Access Control Interfaces**

MINOR		TOTAL DIRECT		DEMOLITION
CSI UOM DESCRIPTION		UNIT COST		UNIT COST
28 16 11 00-0023	Keypad Controls, Exterior Stand-Alone Access Controls (28 16 11 00-0022)			
28 16 11 00-0024	EA 1000 Code Memory, Keypad Control, Exterior Stand-Alone Access Controls.....	1,179.21		117.37
	Note: Includes lighted keypad. Stores one thousand 4-digit entry codes and six 5-digit entry codes.			
	For Flush Mount, Add	212.50		
28 16 11 00-0025	Keypad Controls With Push Button Intercom, Exterior Stand-Alone Access Controls (28 16 11 00-0022)			
	Note: Includes intercom sub-station. Excludes additional receiving intercoms.			
28 16 11 00-0026	EA 1000 Code Memory, Keypad Controls With Push Button Intercom, Exterior Stand-Alone Access Controls.....	1,431.78		132.04
	Note: Includes lighted keypad. Stores one thousand 4-digit entry codes and six 5-digit entry codes.			
	For Flush Mount, Add	262.73		
28 16 11 00-0027	RF Controls, Stand-Alone Access Controls (28 16 11 00-0001)			
28 16 11 00-0028	Exterior Mount, RF Controls, Stand-Alone Access Controls (28 16 11 00-0027)			
	Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts and transmitters.			
28 16 11 00-0029	RF Receivers, RF Controls, Exterior Stand-Alone Access Controls (28 16 11 00-0028)			
	Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts and transmitters.			
28 16 11 00-0030	EA 50 Code Memory, RF Receiver, RF Controls, Exterior Stand-Alone Access Controls.....	698.39		117.37
28 16 11 00-0031	EA 100 Code Memory, RF Receiver, RF Controls, Exterior Stand-Alone Access Controls.....	791.12		117.37
28 16 11 00-0032	EA 250 Code Memory, RF Receiver, RF Controls, Exterior Stand-Alone Access Controls.....	880.42		117.37
28 16 11 00-0033	EA 500 Code Memory, RF Receiver, RF Controls, Exterior Stand-Alone Access Controls.....	976.58		117.37
28 16 11 00-0034	EA 1000 Code Memory, RF Receiver, RF Controls, Exterior Stand-Alone Access Controls.....	1,065.87		117.37
28 16 11 00-0035	EA 5000 Code Memory, RF Receiver, RF Controls, Exterior Stand-Alone Access Controls.....	1,162.04		117.37
28 16 11 00-0036	EA 16000 Code Memory, RF Receiver, RF Controls, Exterior Stand-Alone Access Controls.....	1,251.33		117.37
28 16 11 00-0037	RF Transmitters, RF Controls, Exterior Stand-Alone Access Controls (28 16 11 00-0028)			
28 16 11 00-0038	EA 1 Button, RF Transmitter, RF Controls, Exterior Stand-Alone Access Controls.....	58.38		
	For >40 To 110, Deduct	-2.92		
	For >110, Deduct	-5.84		
	For Built In Proximity Tags, Add	11.68		
28 16 11 00-0039	EA 2 Button, RF Transmitter, RF Controls, Exterior Stand-Alone Access Controls.....	61.82		
	For >40 To 110, Deduct	-3.09		
	For >110, Deduct	-6.18		
	For Built In Proximity Tags, Add	12.36		
28 16 11 00-0040	EA 3 Button, RF Transmitter, RF Controls, Exterior Stand-Alone Access Controls.....	65.25		
	For >40 To 110, Deduct	-3.26		
	For >110, Deduct	-6.53		
	For Built In Proximity Tags, Add	13.05		
28 16 11 00-0041	Accessories For RF Receivers, Exterior Stand-Alone Access Controls (28 16 11 00-0028)			
28 16 11 00-0042	EA Coax Antenna Kit For RF Receivers, Exterior Stand-Alone Access Controls.....	258.49		88.03
	Note: Includes 15' of coax cable.			
28 16 11 00-0043	EA Antenna Amplifier For RF Receivers, Exterior Stand-Alone Access Controls.....	519.50		88.03
	Note: Includes 20' of coax cable.			
28 16 11 00-0044	EA Yagi High-Gain Antenna Kit For RF Receivers, Exterior Stand-Alone Access Controls.....	471.42		88.03
	Note: Includes 15' of coax cable.			
28 16 11 00-0045	Proximity Card Controls, Stand-Alone Access Controls (28 16 11 00-0001)			
28 16 11 00-0046	Exterior Mount, Proximity Card Controls, Stand-Alone Access Controls (28 16 11 00-0045)			
	Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts.			
28 16 11 00-0047	DKS Proximity Card Controls, Exterior Stand-Alone Access Controls (28 16 11 00-0046)			
28 16 11 00-0048	DKS Proximity Card Readers, Exterior Stand-Alone Access Controls (28 16 11 00-0047)			
28 16 11 00-0049	EA DKS Proximity Card Reader, Exterior Stand-Alone Access Controls.....	1,350.93		117.37
28 16 11 00-0050	AWID Proximity Card Controls, Exterior Stand-Alone Access Controls (28 16 11 00-0046)			
28 16 11 00-0051	AWID Proximity Card Readers, Exterior Stand-Alone Access Controls (28 16 11 00-0050)			
28 16 11 00-0052	EA AWID Proximity Card Reader, Exterior Stand-Alone Access Controls.....	1,471.13		117.37
28 16 11 00-0053	HID Proximity Card Controls, Exterior Stand-Alone Access Controls (28 16 11 00-0046)			
28 16 11 00-0054	HID Proximity Card Readers, Exterior Stand-Alone Access Controls (28 16 11 00-0053)			
28 16 11 00-0055	EA HID Proximity Card Reader, Exterior Stand-Alone Access Controls.....	1,745.89		117.37
28 16 11 00-0056	Magnetic Stripe Card Controls, Stand-Alone Access Controls (28 16 11 00-0001)			
28 16 11 00-0057	Interior Mount, Magnetic Stripe Card Controls, Stand-Alone Access Controls (28 16 11 00-0056)			
28 16 11 00-0058	EA Magnetic Stripe Reader, Interior Stand-Alone Access Controls.....	801.43		117.37

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0059		Exterior Mount, Magnetic Stripe Card Controls, Stand-Alone Access Controls (28 16 11 00-0056) Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts.		
28 16 11 00-0060	EA	Magnetic Stripe Reader, Exterior Stand-Alone Access Controls	995.36	117.37
28 16 11 00-0061		Other Stand-Alone Access Controls (28 16 11 00-0001)		
28 16 11 00-0062	EA	Toggle Switch, Interior Access Controls For Gate Operators Note: Controls mount into a single gang electrical box. Excludes electrical box.	135.95	29.35
28 16 11 00-0063	EA	Request To Exit Motion Detector (Bosch Security Systems DS160)	150.84	23.47
28 16 11 00-0064		Wiegand Output Access Controls (28 16 11) Note: Excludes controllers.		
28 16 11 00-0065		Proximity Card Controls, Wiegand Output Access Controls (28 16 11 00-0064)		
28 16 11 00-0066		DKS, Proximity Card Controls, Wiegand Output Access Controls (28 16 11 00-0065)		
28 16 11 00-0067		DKS, Proximity Cards (28 16 11 00-0066)		
28 16 11 00-0068	EA	Clamshell Type, DKS Proximity Card (DKS 170)	9.14	
28 16 11 00-0069	EA	ISO Compliant Graphics Card, DKS Proximity Card (DKS 80)	15.07	
28 16 11 00-0070	EA	DKS Proximity Key Fob (DKS 50)	15.87	
28 16 11 00-0071	EA	Active Tag, DKS Proximity Tag (DKS 150)	89.75	
		Note: Battery powered tag to boost signal.		
28 16 11 00-0072	EA	Active Tag, DKS Proximity Tag (DKS 200)	117.00	
		Note: Battery powered tag to boost signal.		
28 16 11 00-0073		DKS, Proximity Card Readers, Wiegand Output Access Controls (28 16 11 00-0066)		
28 16 11 00-0074	EA	Up To 2" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS Small)	476.14	146.71
28 16 11 00-0075	EA	Up To 3" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS Mullion)	476.14	146.71
28 16 11 00-0076	EA	Up To 4" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS Single Gang)	476.14	146.71
28 16 11 00-0077	EA	Up To 30" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS)	1,331.99	146.71
		Note: Includes mounting bracket and 12 Volt DC regulated power supply.		
28 16 11 00-0078		AWID, Proximity Card Controls, Wiegand Output Access Controls (28 16 11 00-0065)		
28 16 11 00-0079		AWID, Proximity Cards (28 16 11 00-0078)		
28 16 11 00-0080	EA	Clamshell Type, AWID Proximity Card (AWID Prox-Linc CS)	7.69	
28 16 11 00-0081	EA	ISO Compliant Graphics Card, AWID Proximity Card (AWID Prox-Linc GR)	12.02	
28 16 11 00-0082	EA	AWID Proximity Key Fob (AWID Prox-Linc KT)	12.82	
28 16 11 00-0083	EA	Windshield Tag For LR 2000 Readers, AWID Proximity Tag	44.88	
28 16 11 00-0084	EA	Metal Mount Tag For LR 2000 Readers, AWID Proximity Tag	44.88	
28 16 11 00-0085		AWID, Proximity Card Readers, Wiegand Output Access Controls (28 16 11 00-0078)		
28 16 11 00-0086	EA	Up To 4" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID SR 2400)	581.92	146.71
		Note: For mullion mounting.		
28 16 11 00-0087	EA	Up To 8" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID MM 6800)	812.71	146.71
		Note: For mullion mounting.		
28 16 11 00-0088	EA	Up To 8" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID MM 6820)	812.71	146.71
		Note: For single gang electrical box mounting.		
28 16 11 00-0089	EA	Up To 24" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID MR 1824)	1,335.20	146.71
		Note: Includes 12 Volt DC regulated power supply.		
28 16 11 00-0090	EA	Up To 11' Read Range, 12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID LR 2000)	7,605.04	146.71
		Note: Includes mounting bracket and 12 Volt DC regulated power supply.		
28 16 11 00-0091		HID, Proximity Card Controls, Wiegand Output Access Controls (28 16 11 00-0065)		
28 16 11 00-0092		HID, Proximity Cards (28 16 11 00-0091)		
28 16 11 00-0093	EA	Clamshell Type, HID Proximity Card (HID ProxCard II)	18.10	
28 16 11 00-0094	EA	ISO Compliant Graphics Card, HID Proximity Card (HID ISOProx II)	23.87	
28 16 11 00-0095	EA	HID Proximity Key Fob (HID ProxKey II)	24.51	
28 16 11 00-0096		HID, Proximity Card Readers, Wiegand Output Access Controls (28 16 11 00-0091)		
28 16 11 00-0097	EA	Up To 3" Read Range, 5-16 Volt DC, HID Proximity Card Reader, Wiegand Output Access Controls (HID ProxPoint Plus)	547.20	146.71
		Note: For mullion mounting. (HID P/N 6005).		
28 16 11 00-0098	EA	Up To 5" Read Range, 5-16 Volt DC, HID Proximity Card Reader, Wiegand Output Access Controls (HID ThinLine II)	649.74	146.71
		Note: For single gang electrical box mounting. (HID P/N 5395).		
28 16 11 00-0099	EA	Up To 5" Read Range, 5-16 Volt DC, HID Proximity Card Reader, Wiegand Output Access Controls (HID MiniProx)	726.64	146.71
		Note: For mullion mounting. (HID P/N 5365).		

28 Electronic Safety and Security**28 10 Access Control****28 16 Access Control Interfaces**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

28 16 11 00-0100	EA	EntryProx Single-Door Proximity Access Control Note: (HID P/N 4045) Stores up to 2,000 users and 1,000 time-stamped transactions 12 position keypad for Pin entry or programming optional use with card/key fob, code only or card plus pin code Wiegand output mode. Continental Instrument CICR2358P.	934.27	146.71
28 16 11 00-0101		Contactless Smart Card Controls, Wiegand Output Access Controls (28 16 11 00-0064)		
28 16 11 00-0102		HID, Contactless Smart Cards (28 16 11 00-0101)		
28 16 11 00-0103	EA	2K Bits, Clamshell Type, HID iClass, Contactless Smart Card	14.10	
28 16 11 00-0104	EA	16K Bits, ISO Compliant Graphics Card, HID iClass, Contactless Smart Card	15.40	
28 16 11 00-0105	EA	16K Bits, Contactless Smartcard Key Fob, HID iClass, Contactless Smart Card	20.15	
28 16 11 00-0106	EA	16K Bits, Contactless Smartcard Tag, HID iClass, Contactless Smart Card	10.91	
		Note: Battery powered tag to boost signal.		
28 16 11 00-0107		HID, Contactless Smart Card Readers, Wiegand Output Access Controls (28 16 11 00-0101)		
28 16 11 00-0108	EA	Up To 3-1/4" Read Range, 5-16 Volt DC, HID iClass Contactless Smart Card Reader, Wiegand Output Access Controls (HID R10)	547.80	146.71
		Note: For mullion mounting.		
28 16 11 00-0109	EA	Up To 4-1/4" Read Range, 5-12 Volt DC, HID iClass Contactless Smart Card Reader, Wiegand Output Access Controls (HID R40)	759.36	146.71
		Note: For mullion mounting.		
28 16 11 00-0110	EA	Up To 4-1/4" Read Range, 5-12 Volt DC, HID iClass Contactless Smart Card Reader With Keypad, Wiegand Output Access Controls (HID RK40)	1,235.37	146.71
		Note: For mullion mounting.		
28 16 11 00-0111		HID, Contactless Smart Card Programmer, Wiegand Output Access Controls (28 16 11 00-0101)		
28 16 11 00-0112	EA	HID iClass Contactless Smart Card Programmer, Wiegand Output Access Controls (HID CP400)	3,912.60	146.71
		Note: For mullion mounting.		
28 16 11 00-0113		Call Station Controls, Wiegand Output Access Controls (28 16 11 00-0064)		
		Note: Includes intercom sub-station. Excludes additional receiving intercoms.		
28 16 11 00-0114	EA	Call Station With Entry Keypad, Exterior Wiegand Output Access Controls	1,529.81	146.71
		Note: For mullion mounting.		
28 16 11 00-0115	EA	Call Station With Proximity Card Reader, Exterior Wiegand Output Access Controls	1,272.23	146.71
		Note: For mullion mounting.		
28 16 11 00-0116		Biometrics Readers, Wiegand Output Access Controls (28 16 11 00-0064)		
28 16 11 00-0117	EA	Palm Reader Recognition System, Biometrics Readers, Wiegand Output Access Controls	7,022.07	117.37
28 16 11 00-0118	EA	CCD Camera, Face Image, Biometrics Readers, Wiegand Output Access Controls	8,581.74	117.37
28 16 11 00-0119	EA	Video Grabber Card For DFR Reader, Biometrics Readers, Wiegand Output Access Controls	3,369.77	117.37
28 16 11 00-0120	EA	Fingerprint Reader, Biometrics Readers, Wiegand Output Access Controls (Bioscrypt V-Pass)	1,985.15	117.37
28 16 11 00-0121	EA	Fingerprint Reader With HID Card Reader, Biometrics Readers, Wiegand Output Access Controls (Bioscrypt V-Prox)	2,211.82	117.37
28 16 11 00-0122	EA	Fingerprint Reader With Contactless Smart Card Reader, Biometrics Readers, Wiegand Output Access Controls (Bioscrypt V-Smart)	1,985.15	117.37
28 16 11 00-0123		Exterior Mounting Posts For Gate Operator Access Controls (28 16 11)		
		Note: Includes mounting plate for access controls, baked on enamel finish and mounting bolt covers. Excludes concrete pads and electrical connections.		
28 16 11 00-0124		2" x 2" Steel, Exterior Mounting Posts For Gate Operator Access Controls (28 16 11 00-0123)		
28 16 11 00-0125	EA	44" Tall, Gooseneck Style, Single Mount, 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls	457.21	44.87
		Note: Includes a 5" x 5" base plate.		
28 16 11 00-0126	EA	73" Tall, Gooseneck Style, Dual Mount, 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls	862.47	44.87
		Note: Includes an 8" x 8" base plate.		
28 16 11 00-0127	EA	Anchor Post For 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls	416.00	44.87
		Note: Includes a 24" in-ground post with matching base plate, conduit access and mounting hardware.		
28 16 11 00-0128		4" x 4" Steel, Exterior Mounting Posts For Gate Operator Access Controls (28 16 11 00-0123)		
28 16 11 00-0129	EA	59" Tall, Straight Style, Single Mount, 4" x 4" Steel, Exterior Mounting Post For Vehicular Gate Operator Access Controls	815.17	53.84
		Note: Includes an 8" x 8" base plate.		
28 16 11 00-0130	EA	49" Tall, Offset Style, Single Mount, 4" x 4" Steel, Exterior Mounting Post For Vehicular Gate Operator Access Controls	966.28	53.84
		Note: Includes an 8" x 8" base plate and a 14" offset from back of post.		
28 16 11 00-0131	EA	Anchor Post For 4" x 4" Steel, Exterior Mounting Post For Vehicular Gate Operator Access Controls	605.67	53.84
		Note: Includes a 24" in-ground post with matching base plate, conduit access and mounting hardware.		
28 16 11 00-0132		4" x 8" Steel, Exterior Mounting Posts For Gate Operator Access Controls (28 16 11 00-0123)		
28 16 11 00-0133	EA	59" Tall, Straight Style, Single Mount, 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls	2,590.20	67.31
		Note: Includes a 11" x 13" base plate.		
28 16 11 00-0134	EA	50" Tall, Offset Style, Single Mount, 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls	2,710.40	67.31
		Note: Includes a 10" x 14" base plate and a 14" offset from back of post.		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0135 EA Anchor Post For 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls Note: Includes a 24" in-ground post with matching base plate, conduit access and mounting hardware.	1,147.75	22.44
28 16 11 00-0136 EA 48" Light Tower For 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls.....	1,800.28	67.31
28 16 11 00-0137 Access Control Accessories (28 16 11)		
28 16 11 00-0138 EA 6 Volt DC, 12 Volt DC, Or 24 Volt DC, At 4 Amperes, Power Supply/Charger (Altronix SMP-5)	661.49	
28 16 11 00-0139 EA 7 Amperes, 12 Volt, Battery	88.64	
28 16 11 00-0140 EA 18 Amperes, 12 Volt, Battery	197.57	
28 16 11 00-0141 EA Door Personality Module (Sensormatic RM-4).....	721.51	29.35
28 16 11 00-0142 EA Mini-Alert Door Ajar Sounder (System Sensor PA400).....	285.93	58.68
28 16 11 00-0143 EA Recessed Contact For Steel Doors, Door Monitor Switch (Sentrol 1078C)	83.50	35.21
28 16 11 00-0144 EA Access Control Systems Power Supply (Altronix AL400ULACMCB).....	803.12	23.47
28 16 11 00-0145 EA Surge Suppressor (Tripp-Lite IBAR4).....	120.69	5.88
28 16 11 00-0146 EA Door Strike Relay (Altronix RBSN-TTL).....	80.57	23.47
28 16 11 00-0147 EA 4" Diameter x 74" High, Powder Coated Steel, Burial Mount Gooseneck For Access Control Devices (GNB-1) Note: Set in concrete.	476.87	
28 16 11 00-0148 EA 16-Zone Input, Door Controller Expansion Module With 16" SPI Cable (Kantech KT-MOD-INP16).....	691.23	146.71
28 16 11 00-0149 Access Controllers (28 16 11)		
28 16 11 00-0150 Microterm Controller (28 16 11 00-0149)		
28 16 11 00-0151 EA Microterm Stand-Alone One Or Two Door Processing Panel (Continental Instruments CICIP1100)..... Note: Up to 1,000 card capacity. Includes 2 alarm inputs, tamper alarm, and 3 relay outputs.	1,830.95	146.71
28 16 11 00-0152 EA Microterm PC Board (Continental Instruments CICIP1100PCB)	1,332.78	88.03
28 16 11 00-0153 EA Battery Standby For Microterm (Continental Instruments CICIP1100BAT-2)..... Note: Input 120 Volt AC, output 12 Volt DC to temporarily power the Microterm only.	639.91	
28 16 11 00-0154 Miniterm Controller (28 16 11 00-0149)		
28 16 11 00-0155 EA Miniterm Two Reader Processing Panel (Continental Instrument CICIP1200)..... Note: Up to 3,000 card capacity. Includes 8 EOL Class A supervised alarm inputs, temper alarm, and 5 relay outputs. Complete in a lockable steel enclosure with battery standby for memory and system operation.	2,886.53	146.71
28 16 11 00-0156 EA Miniterm PC Board (Continental Instrument CICIP1200PCB)	2,195.54	88.03
28 16 11 00-0157 Super-2 Controller (28 16 11 00-0149)		
28 16 11 00-0158 EA Super-Two - Two Reader Processing Panel (Continental Instruments CICIP1300)..... Note: For use with CA3000 V2.0.25 and above. Up to a 125,000 card capacity, 8 EOL supervised alarm inputs, tamper, 5 relay outputs. Support for on-board LAN adapter, 57,600 baud rate, 6 access groups per card-holder and compressed data mode. Complete in a lockable steel enclosure with battery standby for memory and system operation.	2,127.62	146.71
28 16 11 00-0159 EA Super-Two - PC Board (Continental Instruments CICIP1300BD).....	1,470.22	88.03
28 16 11 00-0160 EA Network Interface Board For Super-2 (Continental Instruments CICIP1300NETBD)	395.71	88.03
28 16 11 00-0161 Smarterm Controller (28 16 11 00-0149)		
28 16 11 00-0162 EA Smarterm Four Reader Processing Panel (Continental Instrument CICIP1400)	6,094.34	176.06
28 16 11 00-0163 EA Smarterm PC Board (Continental Instrument CICIP1400PCB)	4,710.38	88.03
28 16 11 00-0164 EA Smarterm Memory Board - 256K (Continental Instrument CICIP1400MB256-1)..... Note: Up to 10,000 cardholders.	1,823.32	88.03
28 16 11 00-0165 EA Smarterm Memory Board - 2MB (Continental Instrument CICIP1400MB2-1)..... Note: Up to 50,000 cardholders.	2,598.80	88.03
28 16 11 00-0166 EA Smarterm Relay Expander Board (Continental Instrument CICIP1400RB)..... Note: 16 Output relays, 8 alarm inputs.	2,017.71	88.03
28 16 11 00-0167 EA Smarterm Alarm Expander Board (Continental Instrument CICIP1400RB)..... Note: (Supervised) 16 alarm inputs.	2,017.71	88.03
28 16 11 00-0168 Superterm-4 Controller (28 16 11 00-0149)		
28 16 11 00-0169 EA Superterm-4 - Four Reader Processing Panel (Continental Instrument CICIP1400UL)	5,621.12	176.06
28 16 11 00-0170 EA Superterm-4 PC Board (Continental Instrument CICIP1400ULPCB).....	4,630.83	88.03
28 16 11 00-0171 Superterm-8 Controller (28 16 11 00-0149)		
28 16 11 00-0172 EA Superterm-8 - Eight Reader Processing Panel (Continental Instrument CICIP1800)..... Note: Up to 20,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including 7 AH battery standby for memory and system operation.	7,466.42	293.43
28 16 11 00-0173 EA Superterm-8 - Eight Reader Processing Panel, Expanded Power (Continental Instrument CICIP1800EXP)..... Note: With expanded power supply. (required if more than 1 relay expander board is used.) Up to 20,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including 7 AH battery standby for memory and system operation.	8,112.64	293.43
28 16 11 00-0174 EA Superterm-8 PC Board (Continental Instrument CICIP1800PCB).....	6,241.38	88.03
28 16 11 00-0175 Turbo Superterm-4 Controller (28 16 11 00-0149)		
28 16 11 00-0176 EA Turbo Superterm-4 - Four Reader Processing Panel (Continental Instrument CICIP1400ULT)..... Note: 20,000 Card capacity, 12 supervised alarm inputs, tamper alarm, and 9 relay outputs. Complete in a painted steel enclosure with 7 AH battery standby for system operation.	5,621.12	176.06
28 16 11 00-0177 EA Turbo Superterm-4 PC Board (Continental Instrument CICIP1400ULTPCB)	4,630.83	88.03

28 Electronic Safety and Security**28 10 Access Control****28 16 Access Control Interfaces**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

28 16 11 00-0178		Turbo Superterm-8 Controller (28 16 11 00-0149)		
28 16 11 00-0179	EA	Turbo Superterm-8 - Eight Reader Processing Panel (Continental Instrument CICIP1800T).....	7,466.42	293.43
		Note: For use with CA3000 V2.0.25 and above. Up to 40,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including a 7 AH battery standby for memory and system operation.		
28 16 11 00-0180	EA	Turbo Superterm-8 -Eight Reader Processing Panel, Expanded Power (Continental Instrument CICIP1800TEXP)	8,112.64	293.43
		Note: Required if more than one relay expander board is used. Up to 40,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including a 7 AH battery standby for memory and system operation.		
28 16 11 00-0181	EA	Turbo Superterm-8 PC Board (Continental Instrument CICIP1800TPCB).....	6,241.38	88.03
28 16 11 00-0182	EA	Superterm Memory Board - 2MB (Continental Instrument CICIP1800MB2)	2,598.80	88.03
		Note: Up to 140,000 cardholders.		
28 16 11 00-0183	EA	Turbo/Superterm-8 Memory Board - 2MB (Continental Instrument CICIP1800MB2X2)	2,185.20	88.03
		Note: Up to 140,000 cardholders.		
28 16 11 00-0184	EA	Turbo Superterm-8 Relay Expander Board (Continental Instrument CICIP1800RB).....	2,019.80	88.03
		Note: 16 Output relays, 8 alarm inputs.		
28 16 11 00-0185	EA	Turbo Superterm-8 Alarm Expander Board (Continental Instrument CICIP1800RB).....	2,019.80	88.03
		Note: (Supervised) 16 Alarm inputs.		
28 16 11 00-0186	EA	Expanded Power Supply For Superterm Or Turbo Superterm (Continental Instrument CICIPEXPWS)	828.90	
28 16 11 00-0187		Intelligent Controller (28 16 11 00-0149)		
28 16 11 00-0188	EA	Intelligent Controller With Paired Reader Interface for One Physical Barrier (Mercury Security EP-1501).....	1,443.35	88.03
28 16 11 00-0189	EA	Up To 64 Doors, Access Controller (Mercury Security EP-1502)	2,482.24	146.71
28 16 11 00-0190		Access Control Bundled System (28 16 11)		
28 16 11 00-0191	EA	CA 3000 Bundled System, Supports 25 Users (Continental Instrument CA3B250P4O3V0R0).....	40,947.02	
		Note: System includes PC, monitor, keyboard, mouse, OS, Card Access 3000 file server software, MS SQL 2000, 1 SQL host license, and security key.		
28 16 11 00-0192		Magnetic Locks (28 16 11)		
		Note: Excludes access controls.		
28 16 11 00-0193		Magnetic Door Locks (28 16 11 00-0192)		
28 16 11 00-0194		300 Lb. Magnetic Door Locks (28 16 11 00-0193)		
28 16 11 00-0195	EA	Single Door, Surface Mount, 300 Lb. Magnetic Door Lock	643.44	117.37
28 16 11 00-0196		600 Lb. Magnetic Door Locks (28 16 11 00-0193)		
28 16 11 00-0197	EA	600 Lb., Single Door, Surface Mount, Magnetic Door Lock	926.78	117.37
		For LED Status Indicator And Signal Relay, Add	86.50	
		For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	173.01	
		For Mortise Mount, Deduct	-138.41	
28 16 11 00-0198	EA	600 Lb., Dual Doors, Surface Mount, Magnetic Door Lock	1,392.14	117.37
		For LED Status Indicator And Signal Relay, Add	144.67	
		For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	289.35	
28 16 11 00-0199		1,200 Lb. Magnetic Door Locks (28 16 11 00-0193)		
28 16 11 00-0200	EA	1,200 Lb., Single Door, Surface Mount, Magnetic Door Lock	969.71	117.37
		For LED Status Indicator And Signal Relay, Add	169.04	
		For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	220.49	
28 16 11 00-0201	EA	Dual Doors, Surface Mount, 1,200 Lb. Magnetic Door Lock	1,484.87	117.37
		For LED Status Indicator And Signal Relay, Add	287.53	
		For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	375.04	
28 16 11 00-0202		2,000 Lb. Shear Lock, Magnetic And Mechanical Locks (28 16 11 00-0193)		
		Note: Includes LED status indicator and built-in signal relay.		
28 16 11 00-0203	EA	Single Door, Mortise Mount, 2,000 Lb. Shear Lock, Magnetic And Mechanical Door Lock	1,016.08	117.37
28 16 11 00-0204		Magnetic Gate Locks (28 16 11 00-0192)		
28 16 11 00-0205		600 Lb. Magnetic Gate Locks (28 16 11 00-0204)		
28 16 11 00-0206	EA	600 Lb. Magnetic Gate Lock	756.78	117.37
28 16 11 00-0207		1,200 Lb. Magnetic Gate Locks (28 16 11 00-0204)		
28 16 11 00-0208	EA	1,200 Lb. Magnetic Gate Lock	913.04	117.37
		For LED Status Indicator And Signal Relay, Add	84.79	
		For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	169.57	
		For Mortise Mount, Deduct	-135.66	
28 16 11 00-0209		Magnetic Lock Power Supply And Chargers (28 16 11 00-0192)		
		Note: Includes lockable metal enclosure, batteries, battery charger and electronically regulated outputs.		
28 16 11 00-0210	EA	12/24 Volt DC At 1 Ampere, Magnetic Lock Backup Power Supply And Charger	556.86	117.37
28 16 11 00-0211	EA	12/24 Volt DC At 2-1/2 Amperes, Magnetic Lock Backup Power Supply And Charger	712.55	117.37
28 16 11 00-0212	EA	12 Volt DC At 4 Amperes And 24 Volt DC At 3 Amperes, Magnetic Lock Backup Power Supply And Charger	804.13	117.37
28 16 11 00-0213	EA	12/24 Volt DC At 6 Amperes, Magnetic Lock Backup Power Supply And Charger.....	1,014.78	117.37

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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28 16 11 00-0214		Master Door Buzzer Stations (28 16 11)		
28 16 11 00-0215		Master Stations (28 16 11 00-0214)		
28 16 11 00-0216	EA	Master Stations, 5 Station Intercommunication Equipment	1,185.41	183.10
28 16 11 00-0217	EA	Master Stations, 10 Station Intercommunication Equipment	1,764.00	354.47
28 16 11 00-0218	EA	Master Station, Desk Style Remote Intercommunication Equipment	506.75	91.55
28 16 11 00-0219	EA	Master Station, Flush Wall Remote Intercommunication Equipment	640.72	152.59
28 16 11 00-0220	EA	Sound System Outlet, Protector	160.01	59.75
28 16 11 00-0221	EA	Sound System Microphone Outlet	276.04	122.30
28 16 11 00-0222	EA	Ceiling Or Wall, Sound System Speaker	218.54	59.75
28 16 11 00-0223	EA	Sound System Monitor Panel	649.87	122.30
28 16 11 00-0224	EA	Sound System Volume Control	187.00	59.75
28 16 11 00-0225	EA	250 Watt, Sound System Amplifier	3,023.31	489.09
28 16 11 00-0226	EA	Sound System Cabinet	1,721.22	489.09
28 16 11 00-0227		Master Door Stations (28 16 11 00-0214)		
28 16 11 00-0228	EA	Master Door Stations, Button Buzzer Type, 25 Station	2,506.62	
		For Intercom Type Master Door Station, Add	224.87	
28 16 11 00-0229	EA	Master Door Stations, Button Buzzer Type, 50 Station	4,148.58	
		For Intercom Type Master Door Station, Add	364.28	
28 16 11 00-0230	EA	Master Door Stations, Button Buzzer Type, 75 Station	5,683.73	
		For Intercom Type Master Door Station, Add	472.22	
28 16 11 00-0231	EA	Master Door Stations, Button Buzzer Type, 100 Station	6,501.52	
		For Intercom Type Master Door Station, Add	553.17	
28 16 11 00-0232	EA	Master Door Stations, Button Buzzer Type, 150 Station	7,938.21	
		For Intercom Type Master Door Station, Add	809.51	
28 16 11 00-0233	EA	Master Door Stations, Button Buzzer Type, 200 Station	9,346.53	
		For Intercom Type Master Door Station, Add	1,043.37	
28 16 11 00-0234	EA	Master Door Stations, Button Buzzer Type, 250 Station	11,778.46	
		For Intercom Type Master Door Station, Add	1,349.19	
28 16 11 00-0235	EA	Master Door Stations, Button Buzzer Type, 300 Station	14,048.74	
		For Intercom Type Master Door Station, Add	1,547.07	
28 16 11 00-0236	EA	Transformer	175.83	
28 16 11 00-0237	EA	Door Opener	259.97	
28 16 11 00-0238	EA	Buzzer With Door Release And Plate	318.70	
28 16 11 00-0239	EA	Amplifier For Intercom Type Unit	539.52	
28 16 11 00-0240	EA	Speaker With Door Release	224.56	

28 18 Security Access Detection Equipment (28 10)

28 18 11 Security Access Metal Detectors (28 18)

28 18 11 00-0001		Metal Detectors (28 18 11)		
28 18 11 00-0002	EA	Handheld Scanner (Garrett Super Scanner V)	283.30	29.35
28 18 11 00-0003	EA	Single-Zone, Walk-Through Metal Detector, Complete Unit (Garrett CS 5000)	4,598.28	352.11
28 18 11 00-0004	EA	Multi-Zone, Walk-Through Metal Detector, Complete Unit (Garrett PD 6500I)	7,114.54	469.49

28 20 Video Surveillance (28)

Note: Includes testing of new devices and certification.

28 21 Surveillance Cameras (28 20)

28 21 31 Proprietary Surveillance Camera Systems (28 21)

Note: Includes programming of equipment, testing and certification of new devices.

28 21 31 00-0001		Closed Circuit Television And Surveillance Systems (28 21 31)		
28 21 31 00-0002		Cameras And Accessories (28 21 31 00-0001)		
28 21 31 00-0003		Cameras (28 21 31 00-0002)		
28 21 31 00-0004		General Use Video Camera (28 21 31 00-0003)		
28 21 31 00-0005	EA	Environmental Pendant Mounted High Performance Dome Camera	4,650.72	117.37
		Note: 16x optical and 8x digital zoom. Auto focus, high resolution integrated low light color camera. Pelco model SD53TC-PG-E1.		
28 21 31 00-0006	EA	Spare CCTV Camera	3,435.43	117.37
		Note: Pelco model DD53TC-16.		
28 21 31 00-0007	EA	1/3" CCD Wide Range DSP Color Camera	1,667.38	117.37
		Note: JVC model TK-C1460U		
28 21 31 00-0008	EA	1/3" High Resolution Digital CCD Day/Night Camera	1,127.67	117.37
		Note: Pelco model CC3770H.		
28 21 31 00-0009		Camera Power Supply (28 21 31 00-0003)		
28 21 31 00-0010	EA	24 Volt AC, Outdoor	381.82	58.68
		Note: Type WCS1-4 as manufactured by Pelco		
28 21 31 00-0011	EA	24 Volt AC, Indoor Power Supply Units	555.64	58.68
		Note: Type MCS16-20B as manufactured by Pelco		
28 21 31 00-0012	EA	24 Volt AC, 7 Amperes (175VA) Rack Mount CCTV Power Supply	6,538.45	146.71
		Note: Altronix model R2416UL. 16 Fuse protected outputs.		

28 Electronic Safety and Security**28 20 Video Surveillance****28 21 Surveillance Cameras**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

28 21 31 00-0013	Enclosures (28 21 31 00-0002)		
28 21 31 00-0014	EA 19" Gangable Enclosure Note: Middle Atlantic Products model MRK-4426. 1/8" Thick structural steel internal braces.	1,901.17	146.71
28 21 31 00-0015	Miscellaneous Accessories (28 21 31 00-0002)		
28 21 31 00-0016	EA Digital Video Controller, 8/16 Camera Inputs, 80GB-1TB Storage Note: Pelco model DX8008-1000	20,844.82	102.70
28 21 31 00-0017	EA Video Mass Storage Unit, Up To 14 IDE Drives Note: Pelco model DX9200HDDI	38,844.99	102.70
28 21 31 00-0018	EA Line-Interactive Network Power Management System Note: Trip Lite model SMART1500RM2U. 1500VA line interactive 2U rack/tower UPS system with sine wave output in AC and battery mode. 8 outlets arranged in 2 switchable load banks.	2,006.17	102.70
28 21 31 00-0019	Camera Mounting (28 21 31 00-0002)		
28 21 31 00-0020	Camera Wall Mounts (28 21 31 00-0019)		
28 21 31 00-0021	EA Parapet Camera Wall Mount, 1.5" Diameter Pipe Note: Pelco model PP350	1,009.88	115.46
28 21 31 00-0022	EA Wall Mount Bracket For Exterior CCTV Without Transformer Note: Pelco model IWM-GY.	415.41	115.60
28 21 31 00-0023	EA Wall Mount Bracket For Exterior CCTV With Transformer Note: Pelco model IWM-24GY. Includes integral 24 VAC, 100 VA transformer, gray finish.	742.90	115.60
28 21 31 00-0024	EA Pole Adapter Wall Mount Note: Pelco model PA402.	354.01	115.60
28 21 31 00-0025	Video Monitor (28 21 31 00-0001)		
28 21 31 00-0026	EA 15" Flat Panel TFT LCD High Resolution Video Monitor Note: Pelco model PMCL15A	3,291.52	234.75
28 21 31 00-0027	EA 17" Color Video Monitor Note: JVC model number TM-H1700GU.	2,065.87	234.75
28 21 31 00-0028	Closed Circuit Television And Surveillance Systems (Pelco) (28 21 31)		
28 21 31 00-0029	Cameras And Accessories (28 21 31 00-0028)		
28 21 31 00-0030	Cameras (28 21 31 00-0029)		
28 21 31 00-0031	Compact, 1/3" Format Cameras (28 21 31 00-0030)		
28 21 31 00-0032	High Resolution Color, Compact, 1/3" Format Cameras (28 21 31 00-0031)		
28 21 31 00-0033	EA High Resolution Day/Night, Compact, 1/3" Format Camera (Pelco C10DN-6)	688.15	29.40
28 21 31 00-0034	Day/Night, Compact, 1/3" Format Cameras (28 21 31 00-0031)		
28 21 31 00-0035	EA High Resolution Color, Compact, 1/3" Format Camera (Pelco C10CH-6)	402.70	29.40
28 21 31 00-0036	Camerapaks (28 21 31 00-0029) Note: Includes camera and lens.		
28 21 31 00-0037	Camerapaks (28 21 31 00-0036)		
28 21 31 00-0038	High Resolution Color, Camerapaks (28 21 31 00-0037)		
28 21 31 00-0039	Fixed Focus, High Resolution Color, Camerapaks (28 21 31 00-0038)		
28 21 31 00-0040	Manual Iris, Fixed Focus, High Resolution Color, Camerapaks (28 21 31 00-0039)		
28 21 31 00-0041	EA 2.3 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.3)	526.51	29.40
28 21 31 00-0042	EA 2.8 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.8)	494.41	29.40
28 21 31 00-0043	EA 4 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F4)	479.51	29.40
28 21 31 00-0044	EA 8 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F8)	476.07	29.40
28 21 31 00-0045	Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapaks (28 21 31 00-0039)		
28 21 31 00-0046	EA 2.3 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.3A).....	574.66	29.40
28 21 31 00-0047	EA 2.8 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.8A).....	526.51	29.40
28 21 31 00-0048	EA 4 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F4A).....	515.05	29.40
28 21 31 00-0049	EA 8 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F8A).....	505.88	29.40
28 21 31 00-0050	Varifocal, High Resolution Color, Camerapaks (28 21 31 00-0038)		
28 21 31 00-0051	Manual Iris, Varifocal, High Resolution Color, Camerapaks (28 21 31 00-0050)		
28 21 31 00-0052	EA 1-3 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V1).....	621.66	29.40
28 21 31 00-0053	EA 2.5-6 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V2).....	559.76	29.40
28 21 31 00-0054	EA 2.8-12 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V21).....	509.32	29.40
28 21 31 00-0055	EA 3-8 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V3).....	488.68	29.40
28 21 31 00-0056	EA 5-40 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V5).....	565.49	29.40
28 21 31 00-0057	Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapaks (28 21 31 00-0050)		
28 21 31 00-0058	EA 1-3 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V1A).....	672.10	29.40

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0059	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V2A).....	629.69	29.40
28 21 31 00-0060	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V21A).....	557.46	29.40
28 21 31 00-0061	EA	3-8 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V3A).....	496.70	29.40
28 21 31 00-0062	EA	5-40 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V5A).....	589.56	29.40
28 21 31 00-0063	EA	5-50 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V50A).....	667.52	29.40
28 21 31 00-0064	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V55A).....	767.26	29.40
28 21 31 00-0065		Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapaks (28 21 31 00-0050)		
28 21 31 00-0066	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6R3A).....	523.07	29.40
28 21 31 00-0067	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6R75A).....	627.39	29.40
28 21 31 00-0068		High Resolution Day/Night, Camerapaks (28 21 31 00-0037)		
28 21 31 00-0069		Varifocal, High Resolution Day/Night, Camerapaks (28 21 31 00-0068)		
28 21 31 00-0070		Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapaks (28 21 31 00-0069)		
28 21 31 00-0071	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V2A).....	1,067.61	29.40
28 21 31 00-0072	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V21A).....	995.39	29.40
28 21 31 00-0073	EA	3-8 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V3A).....	934.63	29.40
28 21 31 00-0074	EA	5-40 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V5A).....	1,027.49	29.40
28 21 31 00-0075	EA	5-50 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V50A).....	1,105.44	29.40
28 21 31 00-0076	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V55A).....	1,204.03	29.40
28 21 31 00-0077		Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapaks (28 21 31 00-0069)		
28 21 31 00-0078	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6R3A).....	961.00	29.40
28 21 31 00-0079	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6R75A).....	1,065.32	29.40
28 21 31 00-0080		Compact Camerapaks (28 21 31 00-0036)		
28 21 31 00-0081		High Resolution Color, Compact Camerapaks (28 21 31 00-0080)		
28 21 31 00-0082		DSS, High Resolution Color, Compact Camerapaks (28 21 31 00-0081)		
28 21 31 00-0083		Fixed Focus, DSS, High Resolution Color, Camerapaks (28 21 31 00-0082)		
28 21 31 00-0084		Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapaks (28 21 31 00-0083)		
28 21 31 00-0085	EA	2.3 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.3).....	825.72	29.40
28 21 31 00-0086	EA	2.8 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.8).....	793.62	29.40
28 21 31 00-0087	EA	4 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F4).....	777.57	29.40
28 21 31 00-0088	EA	8 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F8).....	774.13	29.40
28 21 31 00-0089		Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapaks (28 21 31 00-0083)		
28 21 31 00-0090	EA	2.3 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.3A).....	872.72	29.40
28 21 31 00-0091	EA	2.8 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.8A).....	825.72	29.40
28 21 31 00-0092	EA	4 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F4A).....	814.26	29.40
28 21 31 00-0093	EA	8 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F8A).....	805.09	29.40
28 21 31 00-0094		Varifocal, DSS, High Resolution Color, Camerapaks (28 21 31 00-0082)		
28 21 31 00-0095		Manual Iris, Varifocal, DSS, High Resolution Color, Camerapaks (28 21 31 00-0094)		
28 21 31 00-0096	EA	1-3 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V1).....	920.87	29.40
28 21 31 00-0097	EA	2.5-6 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V2).....	857.82	29.40
28 21 31 00-0098	EA	2.8-12 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V21).....	808.53	29.40
28 21 31 00-0099	EA	3-8 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V3).....	787.89	29.40
28 21 31 00-0100	EA	5-40 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V5).....	863.55	29.40
28 21 31 00-0101	EA	5-50 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V50).....	912.85	29.40
28 21 31 00-0102	EA	5.5-82.5 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V55).....	1,029.78	29.40
28 21 31 00-0103		Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapaks (28 21 31 00-0094)		
28 21 31 00-0104	EA	1-3 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V1A).....	970.17	29.40
28 21 31 00-0105	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V2A).....	928.90	29.40
28 21 31 00-0106	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V21A).....	826.60	29.40
28 21 31 00-0107	EA	3-8 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V3A).....	794.77	29.40
28 21 31 00-0108	EA	5-40 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V5A).....	888.77	29.40
28 21 31 00-0109	EA	5-50 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V50A).....	966.73	29.40
28 21 31 00-0110	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V55A).....	1,065.32	29.40
28 21 31 00-0111		Infrared Corrected, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapaks (28 21 31 00-0094)		

28 Electronic Safety and Security**28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
28 21 31 00-0112	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2R3A)	822.28	29.40	
28 21 31 00-0113	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2R75A)	926.60	29.40	
28 21 31 00-0114		EDR, High Resolution Color, Compact Camerapaks (28 21 31 00-0081)			
28 21 31 00-0115		Fixed Focus, EDR, High Resolution Color, Camerapaks (28 21 31 00-0114)			
28 21 31 00-0116		Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapaks (28 21 31 00-0115)			
28 21 31 00-0117	EA	2.3 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.3)	825.72	29.40	
28 21 31 00-0118	EA	2.8 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.8)	614.78	29.40	
28 21 31 00-0119	EA	4 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F4)	598.73	29.40	
28 21 31 00-0120	EA	8 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F8)	595.30	29.40	
28 21 31 00-0121		Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapaks (28 21 31 00-0115)			
28 21 31 00-0122	EA	2.3 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.3A)	693.89	29.40	
28 21 31 00-0123	EA	2.8 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.8A)	646.88	29.40	
28 21 31 00-0124	EA	4 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F4A)	635.42	29.40	
28 21 31 00-0125	EA	8 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F8A)	635.42	29.40	
28 21 31 00-0126		Varifocal, EDR, High Resolution Color, Camerapaks (28 21 31 00-0114)			
28 21 31 00-0127		Manual Iris, Varifocal, EDR, High Resolution Color, Camerapaks (28 21 31 00-0126)			
28 21 31 00-0128	EA	1-3 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V1)	742.03	29.40	
28 21 31 00-0129	EA	2.5-6 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V2)	678.98	29.40	
28 21 31 00-0130	EA	2.8-12 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V21)	629.69	29.40	
28 21 31 00-0131	EA	3-8 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V3)	609.05	29.40	
28 21 31 00-0132	EA	5-40 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V5)	684.71	29.40	
28 21 31 00-0133	EA	5-50 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V50)	734.01	29.40	
28 21 31 00-0134	EA	5.5-82.5 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V55)	850.94	29.40	
28 21 31 00-0135		Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapaks (28 21 31 00-0126)			
28 21 31 00-0136	EA	1-3 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V1A)	791.33	29.40	
28 21 31 00-0137	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V2A)	750.06	29.40	
28 21 31 00-0138	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V21A)	676.69	29.40	
28 21 31 00-0139	EA	3-8 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V3A)	615.93	29.40	
28 21 31 00-0140	EA	5-40 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V5A)	709.94	29.40	
28 21 31 00-0141	EA	5-50 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V50A)	787.89	29.40	
28 21 31 00-0142	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V55A)	886.48	29.40	
28 21 31 00-0143		Infrared Corrected, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapaks (28 21 31 00-0126)			
28 21 31 00-0144	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2R3A)	643.44	29.40	
28 21 31 00-0145	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2R75A)	747.77	29.40	
28 21 31 00-0146		High Resolution Day/Night, Compact Camerapaks (28 21 31 00-0080)			
28 21 31 00-0147		Fixed Focus, High Resolution Day/Night, Compact Camerapaks (28 21 31 00-0146)			
28 21 31 00-0148		Manual Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapaks (28 21 31 00-0147)			
28 21 31 00-0149	EA	8 mm, Manual Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6F8)	761.52	29.40	
28 21 31 00-0150		DC-Drive Auto Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapaks (28 21 31 00-0147)			
28 21 31 00-0151	EA	2.3 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6F2.3A)	860.11	29.40	
28 21 31 00-0152	EA	2.8 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6F2.8A)	811.96	29.40	
28 21 31 00-0153		Varifocal, High Resolution Day/Night, Compact Camerapaks (28 21 31 00-0146)			
28 21 31 00-0154		Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapaks (28 21 31 00-0153)			
28 21 31 00-0155	EA	2.8-12 mm, Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V21)	794.77	29.40	
28 21 31 00-0156	EA	3-8 mm, Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V3)	774.13	29.40	
28 21 31 00-0157	EA	5-50 mm, Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V50)	900.24	29.40	
28 21 31 00-0158		Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapaks (28 21 31 00-0153)			

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0159 EA 2.5-6 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V2A)	915.14	29.40
28 21 31 00-0160 EA 2.8-12 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V21A)	842.92	29.40
28 21 31 00-0161 EA 3-8 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V3A)	782.16	29.40
28 21 31 00-0162 EA 5-40 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V5A)	875.02	29.40
28 21 31 00-0163 EA 5-50 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V50A)	952.97	29.40
28 21 31 00-0164 EA 5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V55A)	1,052.71	29.40
28 21 31 00-0165 Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapaks (28 21 31 00-0153)		
28 21 31 00-0166 EA 3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6R3A)	808.53	29.40
28 21 31 00-0167 EA 7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6R75A)	912.85	29.40
28 21 31 00-0168 Camera Systems (28 21 31 00-0029)		
28 21 31 00-0169 Camera Dome Systems (28 21 31 00-0168)		
28 21 31 00-0170 Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0169)		
28 21 31 00-0171 Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0170)		
Note: Includes dome drive, camera, lens, back box, clear or smoked lower dome and mounting hardware.		
28 21 31 00-0172 Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0171)		
28 21 31 00-0173 Black And White, Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0172)		
28 21 31 00-0174 EA 22X, Surface Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-SMB)	3,365.45	176.36
28 21 31 00-0175 EA 22X, In-Ceiling Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-F)	3,835.47	176.36
28 21 31 00-0176 EA 22X, Pendant Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-PB)	4,046.41	176.36
28 21 31 00-0177 EA 22X, Environmental Pendant Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-PG-E)	5,623.86	176.36
28 21 31 00-0178 Color, Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0172)		
28 21 31 00-0179 EA 16X, Surface Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-SMB)	2,832.37	176.36
28 21 31 00-0180 EA 16X, In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-F)	3,069.68	176.36
28 21 31 00-0181 EA 16X, Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-PB)	3,281.76	176.36
28 21 31 00-0182 EA 16X, Environmental In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-F-E)	3,403.28	176.36
28 21 31 00-0183 EA 16X, Environmental Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-PG-E)	3,403.28	176.36
28 21 31 00-0184 EA 22X, Surface Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-SMB)	3,567.22	176.36
28 21 31 00-0185 EA 22X, In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-F)	4,038.39	176.36
28 21 31 00-0186 EA 22X, Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-PB)	4,250.47	176.36
28 21 31 00-0187 EA 22X, Environmental In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-F-E)	4,371.99	176.36
28 21 31 00-0188 EA 22X, Environmental Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-PG-E)	4,371.99	176.36
28 21 31 00-0189 Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0172)		
28 21 31 00-0190 EA 23X, Surface Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-SMB)	4,155.32	176.36
28 21 31 00-0191 EA 23X, In-Ceiling Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-F)	4,626.49	176.36
28 21 31 00-0192 EA 23X, Pendant Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-PB)	4,838.57	176.36
28 21 31 00-0193 EA 23X, Environmental In-Ceiling Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-F-E)	4,960.09	176.36
28 21 31 00-0194 EA 23X, Environmental Pendant Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-PG-E)	4,960.09	176.36
28 21 31 00-0195 Day/Night, Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0172)		
28 21 31 00-0196 EA 18X, Surface Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-SMB)	3,770.13	176.36
28 21 31 00-0197 EA 18X, In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-F)	4,008.58	176.36
28 21 31 00-0198 EA 18X, Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PB)	4,219.52	176.36
28 21 31 00-0199 EA 18X, Environmental In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-F-E)	4,341.04	176.36
28 21 31 00-0200 EA 18X, Environmental Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PG-E)	4,341.04	176.36
28 21 31 00-0201 EA 35X, Surface Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-SMB)	4,541.66	176.36
28 21 31 00-0202 EA 35X, In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-F)	4,916.53	176.36
28 21 31 00-0203 EA 35X, Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PB)	5,127.47	176.36
28 21 31 00-0204 EA 35X, Environmental In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-F-E)	5,248.98	176.36
28 21 31 00-0205 EA 35X, Environmental Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PG-E)	5,248.98	176.36
28 21 31 00-0206 Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0171)		
28 21 31 00-0207 Color, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0206)		
28 21 31 00-0208 EA 16X, In-Ceiling Mount, Color, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-HF)	3,688.73	176.36
For Protective Lower Dome Cage, Add		34.65
28 21 31 00-0209 EA 16X, Pendant Mount, Color, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-HP)	3,892.79	176.36
For Protective Lower Dome Cage, Add		34.65

28 Electronic Safety and Security**28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT	COST	UNIT	COST
28 21 31 00-0210	EA 16X, Environmental Pendant Mount, Color, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-HPE).....		4,055.58		176.36
	For Protective Lower Dome Cage, Add		34.65		
28 21 31 00-0211	EA 22X, In-Ceiling Mount, Color, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-HF).....		4,586.37		176.36
	For Protective Lower Dome Cage, Add		34.65		
28 21 31 00-0212	EA 22X, Pendant Mount, Color, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-HP).....		4,790.42		176.36
	For Protective Lower Dome Cage, Add		34.65		
28 21 31 00-0213	EA 22X, Environmental Pendant Mount, Color, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-HPE).....		4,954.36		176.36
	For Protective Lower Dome Cage, Add		34.65		
28 21 31 00-0214 Day/Night, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0206)					
28 21 31 00-0215	EA 18X, In-Ceiling Mount, Day/Night, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-HF).....		4,626.49		176.36
	For Protective Lower Dome Cage, Add		34.65		
28 21 31 00-0216	EA 18X, Pendant Mount, Day/Night, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-HP).....		4,830.55		176.36
	For Protective Lower Dome Cage, Add		34.65		
28 21 31 00-0217	EA 18X, Environmental Pendant Mount, Day/Night, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-HPE).....		4,994.48		176.36
	For Protective Lower Dome Cage, Add		34.65		
28 21 31 00-0218	EA 35X, In-Ceiling Mount, Day/Night, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-HF).....		5,464.51		176.36
	For Protective Lower Dome Cage, Add		34.65		
28 21 31 00-0219	EA 35X, Pendant Mount, Day/Night, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-HP).....		5,667.42		176.36
	For Protective Lower Dome Cage, Add		34.65		
28 21 31 00-0220	EA 35X, Environmental Pendant Mount, Day/Night, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-HPE).....		5,831.36		176.36
	For Protective Lower Dome Cage, Add		34.65		
28 21 31 00-0221 Pressurized Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0171)					
28 21 31 00-0222 Day/Night, Pressurized Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0221)					
28 21 31 00-0223	EA 18X, Environmental Pendant Mount, Day/Night, Pressurized Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PRE).....		6,131.71		176.36
28 21 31 00-0224	EA 35X, Environmental Pendant Mount, Day/Night, Pressurized Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PRE).....		6,969.73		176.36
28 21 31 00-0225 Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0171)					
28 21 31 00-0226 Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0225)					
28 21 31 00-0227	EA 22X, Environmental Pendant Mount, Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-PSGE).....		5,326.94		176.36
28 21 31 00-0228 Color, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0225)					
28 21 31 00-0229	EA 16X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-PSGE).....		4,632.22		176.36
28 21 31 00-0230	EA 22X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-PSGE).....		5,531.00		176.36
28 21 31 00-0231 Color/Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0225)					
28 21 31 00-0232	EA 23X, Environmental Pendant Mount, Color/Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-PSGE).....		6,119.10		176.36
28 21 31 00-0233 Day/Night, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0225)					
28 21 31 00-0234	EA 18X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PSGE).....		5,571.12		176.36
28 21 31 00-0235	EA 35X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PSGE).....		6,407.99		176.36
28 21 31 00-0236 Miniature Spectra®, Mini Pan/Tilt Camera Dome Systems (28 21 31 00-0171)					
28 21 31 00-0237 Color, Miniature Spectra®, Mini Pan/Tilt Camera Dome Systems (28 21 31 00-0236)					
28 21 31 00-0238	EA 10X, In-Ceiling Mount, Color, Miniature Spectra®, Mini Pan/Tilt Camera Dome System (Pelco SD4-B).....		2,114.73		176.36
28 21 31 00-0239 Spectra® IP Network, Pan/Tilt Camera Dome Systems (28 21 31 00-0170)					
Note: Includes simultaneous IP and analog video and control, dome drive, camera, lens, back box, clear or smoked lower dome and mounting hardware.					
28 21 31 00-0240 Spectra® IV IP Network, Pan/Tilt Camera Dome Systems (28 21 31 00-0239)					
28 21 31 00-0241 Color, Spectra® IV IP Network, Pan/Tilt Camera Dome Systems (28 21 31 00-0240)					
28 21 31 00-0242	EA 16X, In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-F).....		3,926.04		176.36
28 21 31 00-0243	EA 16X, Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-PB).....		4,138.12		176.36
28 21 31 00-0244	EA 16X, Environmental In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-F-E).....		4,259.64		176.36
28 21 31 00-0245	EA 16X, Environmental Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-PG-E).....		4,259.64		176.36

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0246	EA	22X, In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-F1).....	4,894.75	176.36
28 21 31 00-0247	EA	22X, Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-PB-1).....	5,106.83	176.36
28 21 31 00-0248	EA	22X, Environmental In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-F-E1).....	5,228.35	176.36
28 21 31 00-0249	EA	22X, Environmental Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-PG-E1).....	5,228.35	176.36
28 21 31 00-0250		Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome Systems (28 21 31 00-0240)		
28 21 31 00-0251	EA	23X, In-Ceiling Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-F1).....	5,482.85	176.36
28 21 31 00-0252	EA	23X, Pendant Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-PB-1).....	5,694.93	176.36
28 21 31 00-0253	EA	23X, Environmental In-Ceiling Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-F-E1).....	5,816.45	176.36
28 21 31 00-0254	EA	23X, Environmental Pendant Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-PG-E1).....	5,816.45	176.36
28 21 31 00-0255		Heavy-Duty Spectra® IV IP Network, Pan/Tilt Camera Dome Systems (28 21 31 00-0239)		
28 21 31 00-0256		Color, Heavy-Duty Spectra® IV IP Network, Pan/Tilt Camera Dome Systems (28 21 31 00-0255)		
28 21 31 00-0257	EA	16X, In-Ceiling Mount, Color, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-HF1).....	4,545.09	176.36
		<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0258	EA	16X, Pendant Mount, Color, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-HP1).....	4,749.15	176.36
		<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0259	EA	16X, Environmental Pendant Mount, Color, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-HPE1).....	4,911.94	176.36
		<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0260	EA	22X, In-Ceiling Mount, Color, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-HF1).....	5,442.73	176.36
		<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0261	EA	22X, Pendant Mount, Color, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-HP1).....	5,646.79	176.36
		<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0262	EA	22X, Environmental Pendant Mount, Color, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-HPE1).....	5,810.72	176.36
		<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0263		Day/Night, Heavy-Duty Spectra® IV IP Network, Pan/Tilt Camera Dome Systems (28 21 31 00-0255)		
28 21 31 00-0264	EA	18X, In-Ceiling Mount, Day/Night, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-HF1).....	5,482.85	176.36
		<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0265	EA	18X, Pendant Mount, Day/Night, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-HP1).....	5,686.91	176.36
		<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0266	EA	18X, Environmental Pendant Mount, Day/Night, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-HPE1).....	5,850.84	176.36
		<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0267	EA	35X, In-Ceiling Mount, Day/Night, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-HF1).....	6,320.87	176.36
		<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0268	EA	35X, Pendant Mount, Day/Night, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-HP1).....	6,523.78	176.36
		<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0269	EA	35X, Environmental Pendant Mount, Day/Night, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-HPE1).....	6,687.72	176.36
		<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0270		Stainless Steel Spectra® IV IP Network, Pan/Tilt Camera Dome Systems (28 21 31 00-0239)		
28 21 31 00-0271		Color, Stainless Steel Spectra® IV IP Network, Camera Dome Systems (28 21 31 00-0270)		
28 21 31 00-0272	EA	16X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-PSGE1).....	5,488.58	176.36
28 21 31 00-0273	EA	22X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-PSGE1).....	6,387.36	176.36
28 21 31 00-0274		Color/Black And White, Stainless Steel Spectra® IV IP Network, Camera Dome Systems (28 21 31 00-0270)		
28 21 31 00-0275	EA	23X, Environmental Pendant Mount, Color/Black And White, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-PSGE1).....	6,975.46	176.36
28 21 31 00-0276		Day/Night, Stainless Steel Spectra® IV IP Network, Camera Dome Systems (28 21 31 00-0270)		
28 21 31 00-0277	EA	18X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-PSGE1).....	6,427.48	176.36
28 21 31 00-0278	EA	35X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-PSGE1).....	7,264.36	176.36

28 Electronic Safety and Security**28 20 Video Surveillance****28 21 Surveillance Cameras**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

28 21 31 00-0279		Miniature Spectra® IP Network, Mini Pan/Tilt Camera Dome Systems (28 21 31 00-0239)		
28 21 31 00-0280		Color, Miniature Spectra® IP Network, Mini Camera Dome Systems (28 21 31 00-0279)		
28 21 31 00-0281	EA	10X, In-Ceiling Mount, Color, Miniature Spectra® IP Network, Black Mini Camera Dome System (Pelco SD4N-W1).....	2,667.29	176.36
28 21 31 00-0282		Spectra®, Pan/Tilt Dome Drives (28 21 31 00-0170) Note: Includes dome drive, camera and lens.		
28 21 31 00-0283	EA	10X, Color Camera, Spectra® Mini Dome Drive (Pelco DD4)	1,969.96	146.96
28 21 31 00-0284	EA	10X, Color Camera, Spectra® IP Network, Mini Dome Drive (Pelco DD4N)	2,520.23	146.96
28 21 31 00-0285	EA	22X, Black And White Camera, Spectra® IV Dome Drive (Pelco DD4M22).....	3,200.04	146.96
28 21 31 00-0286	EA	16X, Color Camera, Spectra® IV Dome Drive (Pelco DD4TC16).....	2,505.33	146.96
28 21 31 00-0287	EA	22X, Color Camera, Spectra® IV Dome Drive (Pelco DD4C22).....	3,402.96	146.96
28 21 31 00-0288	EA	18X, Day/Night Camera, Spectra® IV Dome Drive (Pelco DD4CBW18).....	3,443.08	146.96
28 21 31 00-0289	EA	23X, Day/Night Camera, Spectra® IV Dome Drive (Pelco DD4CBW23).....	3,991.06	146.96
28 21 31 00-0290	EA	35X, Day/Night Camera, Spectra® IV Dome Drive (Pelco DD4CBW35).....	4,281.10	146.96
28 21 31 00-0291	EA	35X, Color/Black And White Camera, Spectra® IV Horizon Dome Drive (Pelco DD4H35)	4,281.10	146.96
28 21 31 00-0292		Accessories For Spectra® Pan/Tilt Camera Dome Systems (28 21 31 00-0170)		
28 21 31 00-0293	EA	Upgrade To Chrome Lower Dome (Pelco Spectra)	161.64	
28 21 31 00-0294	EA	Upgrade To Gold Lower Dome (Pelco Spectra)	210.94	
28 21 31 00-0295	EA	Wall Mount For Spectra® Systems (Pelco IWM-BK)	171.55	14.70
28 21 31 00-0296	EA	24 Volt Out, Wall Mount For Spectra® Systems (Pelco IWM24-BK)	438.66	14.70
28 21 31 00-0297	EA	Wall Arm Mount For Spectra® Systems (Pelco IDM4018)	166.97	14.70
28 21 31 00-0298	EA	Wall Arm Mount With Feed Through For Stainless Steel Spectra® IV Systems (Pelco IDM4012SS).....	305.47	14.70
28 21 31 00-0299	EA	Pole Mount Adapter For Spectra® Systems (Pelco PA402).....	84.92	8.74
28 21 31 00-0300		Camclosure®, Camera Dome Systems (28 21 31 00-0169)		
28 21 31 00-0301		Camclosure® IS Integrated, Camera Dome Systems (28 21 31 00-0300)		
28 21 31 00-0302		Camclosure® IS Integrated, Camera Dome Systems (28 21 31 00-0301)		
28 21 31 00-0303		High Resolution Color, Camclosure® IS Integrated, Camera Dome Systems (28 21 31 00-0302)		
28 21 31 00-0304	EA	12 mm, Indoor Surface/In-Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS90-CH12).....	759.68	176.36
28 21 31 00-0305	EA	9-22 mm, Indoor Surface/In-Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS90-CHV22)	828.47	176.36
28 21 31 00-0306	EA	12 mm, Environmental Surface Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS110-CH12).....	925.91	176.36
28 21 31 00-0307	EA	12 mm, Environmental In-Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS150-CH12).....	925.91	176.36
28 21 31 00-0308		Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome Systems (28 21 31 00-0302)		
28 21 31 00-0309	EA	9-22 mm, Indoor Surface/In-Ceiling Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS90B-CWV22).....	938.52	176.36
28 21 31 00-0310	EA	9-22 mm, Environmental Surface Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS111-CWV22)	1,027.94	176.36
28 21 31 00-0311	EA	9-22 mm, Environmental In-Ceiling Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS151-CWV22).....	1,027.94	176.36
28 21 31 00-0312		Day/Night, Camclosure® IS Integrated, Camera Dome Systems (28 21 31 00-0302)		
28 21 31 00-0313	EA	9-22 mm, Indoor Surface/In-Ceiling Mount, Day/Night, Camclosure® IS Integrated, White Camera Dome System (Pelco IS90-DNV22).....	1,082.97	176.36
28 21 31 00-0314	EA	9-22 mm, Environmental Surface Mount, Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS111-DNV22)	1,304.22	176.36
28 21 31 00-0315	EA	9-22 mm, Environmental In-Ceiling Mount, Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS151-DNV22)	1,304.22	176.36
28 21 31 00-0316		Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Camera Dome Systems (28 21 31 00-0302)		
28 21 31 00-0317	EA	9-22 mm, Indoor Surface/In-Ceiling Mount, Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS90-DWV22).....	1,188.44	176.36
28 21 31 00-0318	EA	9-22 mm, Environmental In-Ceiling Mount, Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS151-DWV22).....	1,330.59	176.36
28 21 31 00-0319		Camclosure® IS Integrated, Bullet Style Camera Systems (28 21 31 00-0301)		
28 21 31 00-0320		High Resolution Color, Camclosure® IS Integrated, Bullet Style Camera Systems (28 21 31 00-0319)		
28 21 31 00-0321	EA	3.6 mm, Wall/Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-CH3.6).....	858.78	117.57

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0322		Wide Dynamic Range Color, Camclosure® IS Integrated, Bullet Style Camera Systems (28 21 31 00-0319)		
28 21 31 00-0323	EA	9-22 mm, Wall/Ceiling Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-CWV22)	988.32	117.57
28 21 31 00-0324		Day/Night, Camclosure® IS Integrated, Bullet Style Camera Systems (28 21 31 00-0319)		
28 21 31 00-0325	EA	9-22 mm, Wall/Ceiling Mount, Day/Night, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-DNV22).....	1,091.50	117.57
28 21 31 00-0326		Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Bullet Style Camera Systems (28 21 31 00-0319)		
28 21 31 00-0327	EA	9-22 mm, Wall/Ceiling Mount, Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-DWV22)	1,143.09	117.57
28 21 31 00-0328		Camclosure® IS Integrated Cameras (28 21 31 00-0301)		
28 21 31 00-0329	EA	12 mm, High Resolution Color, Camclosure® IS Integrated Camera (Pelco IS-CH12)	595.11	117.57
28 21 31 00-0330	EA	9-22 mm, High Resolution Color, Camclosure® IS Integrated Camera (Pelco IS-CHV22)	595.11	117.57
28 21 31 00-0331	EA	9-22 mm, Wide Dynamic Range Color, Camclosure® IS Integrated Camera (Pelco IS-CWV22)	697.14	117.57
28 21 31 00-0332	EA	9-22 mm, Day/Night, Camclosure® IS Integrated Camera (Pelco IS-DNV22).....	973.42	117.57
28 21 31 00-0333	EA	9-22 mm, Wide Dynamic Range Day/Night, Camclosure® IS Integrated Camera (Pelco IS-DWV22)	999.79	117.57
28 21 31 00-0334		Camclosure® ICS Integrated, Camera Dome Systems (28 21 31 00-0300)		
28 21 31 00-0335		Camclosure® ICS Integrated, Camera Dome Systems (28 21 31 00-0334)		
28 21 31 00-0336		Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome Systems (28 21 31 00-0335)		
28 21 31 00-0337	EA	12 mm, Indoor Surface/In-Ceiling Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS090B-CA12)	646.19	176.36
28 21 31 00-0338	EA	12 mm, UTP, Indoor Surface/In-Ceiling Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS090B-CA12T)	695.48	176.36
28 21 31 00-0339	EA	12 mm, Environmental Surface Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS110-CA12)	892.66	176.36
28 21 31 00-0340	EA	12 mm, Environmental In-Ceiling Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS150-CA12)	892.66	176.36
28 21 31 00-0341		High Resolution Color, Camclosure® ICS Integrated, Camera Dome Systems (28 21 31 00-0335)		
28 21 31 00-0342	EA	3-9 mm, Environmental In-Ceiling Mount, High Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS151-CDV39A)	1,113.92	176.36
28 21 31 00-0343		Camclosure® ICS Integrated, Bullet Style Camera Systems (28 21 31 00-0334)		
28 21 31 00-0344		Standard Resolution, Camclosure® ICS Integrated, Bullet Style Camera Systems (28 21 31 00-0343)		
28 21 31 00-0345	EA	12 mm, Wall/Ceiling Mount, Standard Resolution, Camclosure® ICS Integrated, Bullet Style Camera System (Pelco ICS310-CA12).....	775.09	117.57
28 21 31 00-0346		Camclosure® ICS Integrated, Wedge Style Camera Systems (28 21 31 00-0334)		
28 21 31 00-0347		High Resolution Color, Camclosure® ICS Integrated, Wedge Style Camera Systems (28 21 31 00-0346)		
28 21 31 00-0348	EA	9-22 mm, High Resolution, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-CHV22)	1,027.94	176.36
28 21 31 00-0349		Wide Dynamic Range Color, Camclosure® ICS Integrated, Wedge Style Camera Systems (28 21 31 00-0346)		
28 21 31 00-0350	EA	9-22 mm, Wide Dynamic Range, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-CWV22).....	1,131.12	176.36
28 21 31 00-0351		Day/Night, Camclosure® ICS Integrated, Wedge Style Camera Systems (28 21 31 00-0346)		
28 21 31 00-0352	EA	9-22 mm, Day/Night, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-DNV22)	1,260.66	176.36
28 21 31 00-0353		Wide Dynamic Range Day/Night, Camclosure® ICS Integrated, Wedge Style Camera Systems (28 21 31 00-0346)		
28 21 31 00-0354	EA	9-22 mm, Wide Dynamic Range Day/Night, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-DWV22)	1,312.25	176.36
28 21 31 00-0355		Camclosure® IP Network, Camera Dome Systems (28 21 31 00-0300)		
28 21 31 00-0356		Camclosure® IP Network, Camera Dome Systems (28 21 31 00-0355)		

28 Electronic Safety and Security**28 20 Video Surveillance****28 21 Surveillance Cameras**
 MINOR
CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

28 21 31 00-0357		High Resolution Color, Camclosure® IP Network, Camera Dome Systems (28 21 31 00-0356)		
28 21 31 00-0358	EA	3-9.5 mm, Environmental Surface Mount, High Resolution Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CHV9)	1,880.86	176.36
28 21 31 00-0359	EA	9-22 mm, Environmental Surface Mount, High Resolution Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CHV22)	1,880.86	176.36
28 21 31 00-0360		Wide Dynamic Range Color, Camclosure® IP Network, Camera Dome Systems (28 21 31 00-0356)		
28 21 31 00-0361	EA	3-9.5 mm, Environmental Surface Mount, Wide Dynamic Range Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CWV9)	2,023.01	176.36
28 21 31 00-0362	EA	9-22 mm, Environmental Surface Mount, Wide Dynamic Range Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CWV22)	2,023.01	176.36
28 21 31 00-0363		Day/Night, Camclosure® IP Network, Camera Dome Systems (28 21 31 00-0356)		
28 21 31 00-0364	EA	3-9.5 mm, Environmental Surface Mount, Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP111-DNV9)	2,241.98	176.36
28 21 31 00-0365	EA	9-22 mm, Environmental Surface Mount, Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP111-DNV22)	2,241.98	176.36
28 21 31 00-0366		Wide Dynamic Range Day/Night, Camclosure® IP Network, Camera Dome Systems (28 21 31 00-0356)		
28 21 31 00-0367	EA	3-9.5 mm, Environmental Surface Mount, Wide Dynamic Range Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP110-DWV9)	2,396.74	176.36
28 21 31 00-0368	EA	9-22 mm, Environmental Surface Mount, Wide Dynamic Range Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP110-DWV22)	2,396.74	176.36
28 21 31 00-0369		Accessories For Camclosure® Camera Dome Systems (28 21 31 00-0300)		
28 21 31 00-0370	EA	4S Gangbox Adapter Plate For ICS110 Camclosure® Systems (Pelco ICS110-AP)	38.28	8.81
28 21 31 00-0371	EA	4S Adapter Plate For ICS310 Camclosure® Systems (Pelco ICS310-AP)	38.28	8.81
28 21 31 00-0372	EA	Sun Shield For ICS310 Camclosure® Systems (Pelco ICS310-SS)	50.04	14.70
28 21 31 00-0373	EA	Conduit Adapter For ICS310 Camclosure® Systems (Pelco ICS310-COND)	82.13	14.70
28 21 31 00-0374	EA	2' x 2' Ceiling Panel For ICS150 Camclosure® Systems (Pelco ICS150-P)	86.42	8.81
28 21 31 00-0375	EA	Pendant Mount Adapter For Camclosure® ICS110 Systems (Pelco ICS110-PG)	82.13	14.70
28 21 31 00-0376	EA	Corner Mount Adapter For ICS200 Camclosure® Systems (Pelco ICS210-CM)	105.06	14.70
28 21 31 00-0377	EA	Smoked, Surface Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO110A)	283.47	29.40
28 21 31 00-0378	EA	Clear, Surface Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO111A)	283.47	29.40
28 21 31 00-0379	EA	Smoked, In-Ceiling Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO150A)	283.47	29.40
28 21 31 00-0380	EA	Clear, In-Ceiling Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO151A)	283.47	29.40
28 21 31 00-0381	EA	Pendant Mount Adapter For Camclosure® IS Systems (Pelco IP110-P)	99.33	14.70
28 21 31 00-0382	EA	Smoked Lower Dome For Surface Mount Camclosure® IP Systems (Pelco IP110-LD)	110.37	29.40
28 21 31 00-0383	EA	Clear Lower Dome For Surface Mount Camclosure® IP Systems (Pelco IP111-LD)	110.37	29.40
28 21 31 00-0384	EA	Smoked Lower Dome For Surface Mount Camclosure® IS Systems (Pelco IS110-LD)	110.37	29.40
28 21 31 00-0385	EA	Clear Lower Dome For Surface Mount Camclosure® IS Systems (Pelco IS111-LD)	110.37	29.40
28 21 31 00-0386	EA	Smoked Lower Dome For Ceiling Mount Camclosure® IS Systems (Pelco IS150-LD)	110.37	29.40
28 21 31 00-0387	EA	Clear Lower Dome For Ceiling Mount Camclosure® IS Systems (Pelco IS151-LD)	110.37	29.40
28 21 31 00-0388	EA	Ceiling Mount Enclosure Only, Environmental, Camclosure® IS Systems (Pelco IS150-ENC)	322.22	40.15
28 21 31 00-0389	EA	Black Pendant Mount For Indoor Camclosure® IS Systems (Pelco IS90B-P)	69.52	14.70
28 21 31 00-0390	EA	Black Pendant Wall Mount For Indoor Camclosure® IS Systems (Pelco IS90B-PW)	121.11	14.70
28 21 31 00-0391	EA	White Pendant Mount For Indoor Camclosure® IS Systems (Pelco IS90-P)	69.52	14.70
28 21 31 00-0392	EA	White Pendant Wall Mount For Indoor Camclosure® IS Systems (Pelco IS90-PW)	121.11	14.70
28 21 31 00-0393	EA	Surface Mount Enclosure Only, Environmental, IP Camclosure® (Pelco IP110-ENC)	1,751.32	176.36
28 21 31 00-0394		Pan/Tilt Camera Systems (28 21 31 00-0168)		
28 21 31 00-0395		Esprit® CBZ, Pan/Tilt Camera Systems (28 21 31 00-0394) Note: Includes powder coated aluminum pan/tilt enclosure, receiver, camera, lens, built in heater, window defroster/defogger, sun shroud, insulation blanket, 24V power supply and mounting hardware.		
28 21 31 00-0396		EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera Systems (28 21 31 00-0395)		
28 21 31 00-0397		Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera Systems (28 21 31 00-0396)		
28 21 31 00-0398	EA	10X, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10N)	5,014.93	264.53
28 21 31 00-0399	EA	20X, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20N)	5,703.92	264.53
28 21 31 00-0400	EA	30X, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30N)	6,658.87	264.53
28 21 31 00-0401	EA	10X, Preset Positioning, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10PN)	5,162.82	264.53
28 21 31 00-0402	EA	20X, Preset Positioning, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20PN)	5,882.76	264.53
28 21 31 00-0403	EA	30X, Preset Positioning, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30PN)	6,837.71	264.53
28 21 31 00-0404		Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera Systems (28 21 31 00-0396)		
28 21 31 00-0405	EA	10X, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10W)	5,061.94	264.53

MINOR		DESCRIPTION		TOTAL DIRECT	DEMOLITION
CSI UOM				UNIT COST	UNIT COST
28 21 31 00-0406	EA	20X, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20W).....	5,750.92		264.53
28 21 31 00-0407	EA	30X, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30W).....	6,705.87		264.53
28 21 31 00-0408	EA	10X, Preset Positioning, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10PW)	5,210.97		264.53
28 21 31 00-0409	EA	20X, Preset Positioning, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20PW)	5,929.76		264.53
28 21 31 00-0410	EA	30X, Preset Positioning, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30PW)	6,884.71		264.53
28 21 31 00-0411		Esprit® CLZ, Pan/Tilt Camera Systems (28 21 31 00-0394)			
28 21 31 00-0412		DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera Systems (28 21 31 00-0411)			
28 21 31 00-0413		Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera Systems (28 21 31 00-0412)			
28 21 31 00-0414	EA	10X, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10N).....	5,193.77		264.53
28 21 31 00-0415	EA	20X, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20N).....	5,882.76		264.53
28 21 31 00-0416	EA	30X, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30N).....	6,837.71		264.53
28 21 31 00-0417	EA	10X, Preset Positioning, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10PN).....	5,341.66		264.53
28 21 31 00-0418	EA	20X, Preset Positioning, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20PN).....	6,061.60		264.53
28 21 31 00-0419	EA	30X, Preset Positioning, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30PN).....	7,016.55		264.53
28 21 31 00-0420		Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera Systems (28 21 31 00-0412)			
28 21 31 00-0421	EA	10X, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10W).....	5,240.77		264.53
28 21 31 00-0422	EA	20X, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20W).....	5,929.76		264.53
28 21 31 00-0423	EA	30X, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30W).....	6,884.71		264.53
28 21 31 00-0424	EA	10X, Preset Positioning, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10PW).....	5,389.81		264.53
28 21 31 00-0425	EA	20X, Preset Positioning, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20PW).....	6,108.60		264.53
28 21 31 00-0426	EA	30X, Preset Positioning, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30PW).....	7,063.55		264.53
28 21 31 00-0427		Esprit® AJZ, Pan/Tilt Camera Systems (28 21 31 00-0394)			
28 21 31 00-0428		High Resolution Color, Esprit® AJZ, Pan/Tilt Camera Systems (28 21 31 00-0427)			
28 21 31 00-0429		Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera Systems (28 21 31 00-0428)			
28 21 31 00-0430	EA	6 x 10, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10N)	4,894.56		264.53
28 21 31 00-0431	EA	5.6 x 20, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20N)	5,583.55		264.53
28 21 31 00-0432	EA	5.5 x 30, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30N)	6,538.50		264.53
28 21 31 00-0433	EA	6 x 10, Preset Positioning, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10PN).....	5,043.59		264.53
28 21 31 00-0434	EA	5.6 x 20, Preset Positioning, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20PN).....	5,762.39		264.53
28 21 31 00-0435	EA	5.5 x 30, Preset Positioning, Preset Positioning, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30PN)	6,717.34		264.53
28 21 31 00-0436		Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera Systems (28 21 31 00-0428)			
28 21 31 00-0437	EA	6 x 10, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10W).....	4,942.71		264.53
28 21 31 00-0438	EA	5.6 x 20, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20W).....	5,630.55		264.53
28 21 31 00-0439	EA	5.5 x 30, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30W).....	6,586.65		264.53
28 21 31 00-0440	EA	6 x 8, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ8PW)	4,975.96		264.53
28 21 31 00-0441	EA	6 x 10, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10W).....	5,090.60		264.53
28 21 31 00-0442	EA	5.6 x 20, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20PW)	5,809.39		264.53
28 21 31 00-0443	EA	5.5 x 30, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30PW)	6,765.49		264.53
28 21 31 00-0444		Esprit® AMZ, Pan/Tilt Camera Systems (28 21 31 00-0394)			
28 21 31 00-0445		Day/Night, Esprit® AMZ, Pan/Tilt Camera Systems (28 21 31 00-0444)			
28 21 31 00-0446		Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera Systems (28 21 31 00-0445)			
28 21 31 00-0447	EA	5.6 x 20, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20N).....	5,869.00		264.53
28 21 31 00-0448	EA	5.5 x 30, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30N).....	6,823.95		264.53
28 21 31 00-0449	EA	6 x 10, Preset Positioning, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ10PN).....	5,329.05		264.53

28 Electronic Safety and Security**28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR				TOTAL DIRECT		DEMOLITION	
CSI UOM DESCRIPTION				UNIT COST		UNIT COST	
28 21 31 00-0450	EA	5.6 x 20, Preset Positioning, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20PN).....	6,047.84			264.53	
28 21 31 00-0451	EA	5.5 x 30, Preset Positioning, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30PN).....	7,002.79			264.53	
28 21 31 00-0452		Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera Systems (28 21 31 00-0445)					
28 21 31 00-0453	EA	6 x 10, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ10W).....	5,228.16			264.53	
28 21 31 00-0454	EA	5.6 x 20, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20W).....	5,916.00			264.53	
28 21 31 00-0455	EA	5.5 x 30, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30W).....	6,872.10			264.53	
28 21 31 00-0456	EA	6 x 10, Preset Positioning, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ10PW).....	5,376.05			264.53	
28 21 31 00-0457	EA	5.6 x 20, Preset Positioning, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20PW).....	6,094.84			264.53	
28 21 31 00-0458	EA	5.5 x 30, Preset Positioning, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30PW).....	7,050.94			264.53	
28 21 31 00-0459		Esprit® KWZ, Pan/Tilt Camera Systems (28 21 31 00-0394)					
28 21 31 00-0460		Day/Night, Esprit® KWZ, Pan/Tilt Camera Systems (28 21 31 00-0459)					
28 21 31 00-0461		Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera Systems (28 21 31 00-0460)					
28 21 31 00-0462	EA	5.5 x 30, Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30N).....	6,976.42			264.53	
28 21 31 00-0463	EA	6 x 10, Preset Positioning, Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ10PN).....	5,480.37			264.53	
28 21 31 00-0464	EA	5.5 x 30, Preset Positioning, Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30PN).....	7,155.26			264.53	
28 21 31 00-0465		Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera Systems (28 21 31 00-0460)					
28 21 31 00-0466	EA	6 x 10, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ10W).....	5,379.49			264.53	
28 21 31 00-0467	EA	5.5 x 30, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30W).....	7,024.57			264.53	
28 21 31 00-0468	EA	6 x 10, Preset Positioning, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ10PW).....	5,528.52			264.53	
28 21 31 00-0469	EA	5.6 x 20, Preset Positioning, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ20PW).....	6,247.31			264.53	
28 21 31 00-0470	EA	5.5 x 30, Preset Positioning, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30PW).....	7,203.41			264.53	
28 21 31 00-0471		Esprit® IOC, Pan/Tilt Camera Systems (28 21 31 00-0394)					
28 21 31 00-0472		Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems (28 21 31 00-0471)					
28 21 31 00-0473		Pedestal Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems (28 21 31 00-0472)					
28 21 31 00-0474	EA	16X, Pedestal Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC16-2N).....	5,859.83			264.53	
28 21 31 00-0475		Wall Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems (28 21 31 00-0472)					
28 21 31 00-0476	EA	16X, Wall Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC16-2W).....	5,906.83			264.53	
28 21 31 00-0477		High Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems (28 21 31 00-0471)					
28 21 31 00-0478		Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems (28 21 31 00-0477)					
28 21 31 00-0479	EA	22X, Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC22-2N).....	6,976.42			264.53	
28 21 31 00-0480	EA	24X, Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW24-2N).....	6,742.56			264.53	
28 21 31 00-0481	EA	35X, Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW35-2N).....	7,676.87			264.53	
28 21 31 00-0482		Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems (28 21 31 00-0477)					
28 21 31 00-0483	EA	22X, Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC22-2W).....	7,022.28			264.53	
28 21 31 00-0484	EA	24X, Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW24-2W).....	6,742.56			264.53	
28 21 31 00-0485	EA	35X, Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW35-2W).....	7,728.46			264.53	
28 21 31 00-0486		Esprit® IOP, Pan/Tilt Camera Systems (28 21 31 00-0394)					
28 21 31 00-0487		High Resolution Color, Esprit® IOP, Pan/Tilt Camera Systems (28 21 31 00-0486)					
28 21 31 00-0488		Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera Systems (28 21 31 00-0487)					
28 21 31 00-0489	EA	16X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C16-2N).....	4,485.30			264.53	
28 21 31 00-0490	EA	22X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C22-2N).....	5,603.04			264.53	
28 21 31 00-0491	EA	24X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW24-2N).....	5,372.61			264.53	
28 21 31 00-0492	EA	35X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW35-2N).....	6,100.57			264.53	
28 21 31 00-0493		Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera Systems (28 21 31 00-0487)					

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0494 EA 16X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C16-2W).....	4,531.15	264.53
28 21 31 00-0495 EA 22X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C22-2W).....	5,650.04	264.53
28 21 31 00-0496 EA 24X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW24-2W).....	5,419.61	264.53
28 21 31 00-0497 EA 35X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW35-2W).....	6,152.16	264.53
28 21 31 00-0498 Esprit® Thermal, Pan/Tilt Camera Systems (28 21 31 00-0394)		
28 21 31 00-0499 Esprit® Thermal, Pan/Tilt Camera Systems (28 21 31 00-0498)		
28 21 31 00-0500 Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera Systems (28 21 31 00-0499)		
28 21 31 00-0501 EA 14.25 mm, Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3014TI-2N).....	29,311.73	264.53
28 21 31 00-0502 EA 35 mm, Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3035TI-2N).....	31,527.73	264.53
28 21 31 00-0503 EA 50 mm, Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3050TI-2N).....	32,271.74	264.53
28 21 31 00-0504 Wall Mount, Esprit® Thermal, Pan/Tilt Camera Systems (28 21 31 00-0499)		
28 21 31 00-0505 EA 14.25 mm, Wall Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3014TI-2W).....	29,359.88	264.53
28 21 31 00-0506 EA 35 mm, 30 Hertz, Wall Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3035TI-2W).....	31,574.73	264.53
28 21 31 00-0507 EA 50 mm, Wall Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3050TI-2W).....	32,318.74	264.53
28 21 31 00-0508 Accessories For Esprit® Pan/Tilt Camera Systems (28 21 31 00-0394)		
28 21 31 00-0509 EA Wiper Blade Replacement For Esprit® Systems (Pelco ES-REPLBLADE).....	11.96	2.94
28 21 31 00-0510 EA Marine Mounting Kit For Esprit® Systems (Pelco ES-MKIT).....	69.52	14.70
28 21 31 00-0511 EA Indoor/Outdoor Wall Mount For Esprit® Systems (Pelco EWM).....	110.79	14.70
28 21 31 00-0512 EA Wall Mount For High Security Enclosures (Pelco HSWM12).....	141.75	14.70
28 21 31 00-0513 EA Ground Isolation Transformer (Pelco GIT100).....	402.47	40.15
28 21 31 00-0514 EA High Security, Indoor Wedge Style Enclosure (Pelco HS2100).....	579.74	40.15
28 21 31 00-0515 EA High Security, Indoor 10" Length Enclosure (Pelco HS3000).....	486.16	40.15
28 21 31 00-0516 EA High Security, Indoor Medium Corner Mount Enclosure (Pelco HS1500).....	675.69	40.15
28 21 31 00-0517 EA High Security, Ceiling Mount, Lexan Window, Aluminum Enclosure (Pelco HS8080).....	371.52	40.15
28 21 31 00-0518 EA High Security, Ceiling Mount, Lexan Window, Steel Enclosure (Pelco HS8134).....	975.33	40.15
28 21 31 00-0519 EA Bullet-Resistant, Outdoor Enclosure (Pelco HS4514).....	1,564.92	40.15
28 21 31 00-0520 EA Bullet-Resistant, Outdoor Enclosure With Mount (Pelco HS4514/MT).....	1,864.13	40.15
28 21 31 00-0521 EA 24X, Color/Black And White, Esprit® Camera Module (Pelco ESIOPCBW24).....	1,931.77	40.15
28 21 31 00-0522 EA 35X, Color/Black And White, Esprit® Camera Module (Pelco ESIOPCBW35).....	2,038.38	40.15
28 21 31 00-0523 EA 24 Volt AC, Esprit® Pan Tilt Enclosure Receiver (Pelco ES3012-2).....	2,517.28	40.15
28 21 31 00-0524 EA 24 Volt AC, Pedestal Mount, Esprit® Pan/Tilt Enclosure Receiver (Pelco ES3012-2N).....	2,547.34	40.15
28 21 31 00-0525 EA 24 Volt AC, Wall Mount, Esprit® Pan/Tilt Enclosure Receiver (Pelco ES3012-2W).....	2,576.20	40.15
28 21 31 00-0526 EA 30X, 24 Volt AC, DSS, Color High Resolution, Esprit® CLZ Pan/Tilt Camera System (Pelco ES3012-2CLZ30).....	6,434.83	40.15
28 21 31 00-0527 EA 30X, 24 Volt AC, Preset Positioning, DSS, Color High Resolution, Esprit® CLZ Pan/Tilt Camera System (Pelco ES3012-2CLZ30P).....	6,613.67	40.15
28 21 31 00-0528 EA Esprit® Camera Pole Mount Adapter (Pelco EPM).....	112.73	9.46
28 21 31 00-0529 EA Pole Mount Adapter For Esprit® Systems (Pelco EPM).....	112.73	9.46
28 21 31 00-0530 Camera Lenses (28 21 31 00-0029)		
28 21 31 00-0531 Fixed Focus Camera Lenses (28 21 31 00-0530)		
Note: 1/3" format and manual focus.		
28 21 31 00-0532 Manual Iris, Fixed Focus Camera Lenses (28 21 31 00-0531)		
28 21 31 00-0533 EA 2.3 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA2.3).....	178.99	13.79
28 21 31 00-0534 EA 2.8 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA2.8).....	146.89	13.79
28 21 31 00-0535 EA 4 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA4).....	130.84	13.79
28 21 31 00-0536 EA 8 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA8).....	127.40	13.79
28 21 31 00-0537 Direct Drive Auto Iris, Fixed Focus Camera Lenses (28 21 31 00-0531)		
Note: Includes spot filter. Excludes amplifier.		
28 21 31 00-0538 EA 2.3 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD2.3).....	225.99	13.79
28 21 31 00-0539 EA 2.8 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD2.8).....	178.99	13.79
28 21 31 00-0540 EA 4 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD4).....	167.53	13.79
28 21 31 00-0541 EA 8 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD8).....	117.09	13.79
28 21 31 00-0542 Video Drive Auto Iris, Fixed Focus Camera Lenses (28 21 31 00-0531)		
Note: Includes LDC100 adapter to convert DC auto iris to video drive.		
28 21 31 00-0543 EA 2.3 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV2.3S).....	268.41	13.79
28 21 31 00-0544 EA 2.8 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV2.8S).....	220.26	13.79
28 21 31 00-0545 EA 4 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV4S).....	208.80	13.79
28 21 31 00-0546 EA 8 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV8S).....	199.63	13.79
28 21 31 00-0547 Varifocal Camera Lenses (28 21 31 00-0530)		
Note: 1/3" format and manual focus and zoom.		
28 21 31 00-0548 Manual Iris, Varifocal Camera Lenses (28 21 31 00-0547)		
28 21 31 00-0549 EA 1.6-3.4 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA1-3).....	243.72	13.79
28 21 31 00-0550 EA 2.5-6 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA2.5-6).....	211.09	13.79
28 21 31 00-0551 EA 2.8-12 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA2.8-12).....	161.80	13.79
28 21 31 00-0552 EA 3-8 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA3-8).....	141.16	13.79
28 21 31 00-0553 EA 5.5-82.5 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA5.5-82.5).....	383.05	13.79
28 21 31 00-0554 EA 5-40 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA5-40).....	188.17	13.79
28 21 31 00-0555 EA 5-50 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA5-50).....	200.79	13.79

28 Electronic Safety and Security**28 20 Video Surveillance****28 21 Surveillance Cameras**
 MINOR
CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

28 21 31 00-0556	Direct Drive Auto Iris, Varifocal Camera Lenses (28 21 31 00-0547)			
	Note: Includes spot filter.			
28 21 31 00-0557	EA	1.6-3.4 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD1-3)	239.51	13.79
28 21 31 00-0558	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD2.5-6)	210.89	13.79
28 21 31 00-0559	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD2.8-12)	160.39	13.79
28 21 31 00-0560	EA	3-8 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD3-8)	118.31	13.79
28 21 31 00-0561	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD5.5-82.5)	418.59	13.79
28 21 31 00-0562	EA	5-50 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD5-50)	236.98	13.79
28 21 31 00-0563	Video Drive Auto Iris, Varifocal Camera Lenses (28 21 31 00-0547)			
	Note: Includes spot filter.			
28 21 31 00-0564	EA	1.6-3.4 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV1-3S)	365.85	13.79
28 21 31 00-0565	EA	2.5-6 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV2.5-6S)	323.44	13.79
28 21 31 00-0566	EA	3-8 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV3-8S)	190.46	13.79
28 21 31 00-0567	EA	5-50 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV5-50S)	361.27	13.79
28 21 31 00-0568	Infrared Corrected, Direct Drive Auto Iris, Varifocal Camera Lenses (28 21 31 00-0547)			
28 21 31 00-0569	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VDIR3-8.5)	137.66	13.79
28 21 31 00-0570	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VDIR7.5-50)	209.21	13.79
28 21 31 00-0571	Motorized Zoom Camera Lenses (28 21 31 00-0530)			
	Note: 1/3" format.			
28 21 31 00-0572	Manual Iris, Motorized Zoom Camera Lenses (28 21 31 00-0571)			
28 21 31 00-0573	EA	8X Zoom, 6-48 mm, Manual Iris, Motorized Zoom Camera Lens (Pelco 13ZM6X8)	671.94	13.79
28 21 31 00-0574	EA	10X Zoom, 6-60 mm, Manual Iris, Motorized Zoom Camera Lens (Pelco 13ZM6X10)	841.61	13.79
28 21 31 00-0575	EA	15X Zoom, 6-90 mm, Manual Iris, Motorized Zoom Camera Lens (Pelco 13ZM6X15)	897.78	13.79
28 21 31 00-0576	Direct Drive Auto Iris, Motorized Zoom Camera Lenses (28 21 31 00-0571)			
	Note: Includes spot filter.			
28 21 31 00-0577	EA	6X Zoom, 6-48 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD6X8)	563.55	13.79
28 21 31 00-0578	EA	10X Zoom, 6-60 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD6X10)	651.93	13.79
28 21 31 00-0579	EA	15X Zoom, 6-90 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD6X15)	992.94	13.79
28 21 31 00-0580	EA	20X Zoom, 5.6-112 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD5.6X20)	1,121.59	13.79
28 21 31 00-0581	EA	30X Zoom, 5.5-165 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD5.5X30)	2,230.08	13.79
28 21 31 00-0582	Video Drive Auto Iris, Motorized Zoom Camera Lenses (28 21 31 00-0571)			
	Note: Includes spot filter.			
28 21 31 00-0583	EA	8X Zoom, 6-48 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV6X8S)	689.14	13.79
28 21 31 00-0584	EA	10X Zoom, 6-60 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV6X10S)	822.12	13.79
28 21 31 00-0585	EA	15X Zoom, 6-90 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV6X15S)	1,035.35	13.79
28 21 31 00-0586	EA	20X Zoom, 5.6-112 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV5.6X20S)	1,511.11	13.79
28 21 31 00-0587	EA	30X Zoom, 5.5-165 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV5.5X30S)	2,466.06	13.79
28 21 31 00-0588	Camera Power Supplies (28 21 31 00-0029)			
28 21 31 00-0589	EA	20 VA, 24 Volt AC, Camera Power Transformer (Pelco TF2000)	44.15	11.76
28 21 31 00-0590	EA	50 VA, 24 Volt AC, Camera Power Transformer (Pelco TF9000)	78.54	11.76
28 21 31 00-0591	EA	2 Amperes, 4 Outputs, Camera Power Supply (Pelco MCS4-2)	320.58	23.51
28 21 31 00-0592	EA	5 Amperes, 8 Outputs, Camera Power Supply (Pelco MCS8-5)	369.34	35.27
28 21 31 00-0593	EA	10 Amperes, 16 Outputs, Camera Power Supply (Pelco MCS16-10)	415.57	47.03
	For Switchable Outputs, Add		192.91	
28 21 31 00-0594	EA	20 Amperes, 16 Outputs, Camera Power Supply (Pelco MCS16-20)	464.34	58.78
	For Switchable Outputs, Add		208.06	
28 21 31 00-0595	Camera Illuminators (28 21 31 00-0029)			
28 21 31 00-0596	Camera Illuminators (28 21 31 00-0595)			
	Note: Includes lamp and mounting bracket.			
28 21 31 00-0597	EA	Narrow Spot Lamp, Low Light Level Camera Illuminator (Pelco LL27MF)	1,803.31	23.51
28 21 31 00-0598	EA	Infrared Narrow Spot Lamp, Low Light Level Camera Illuminator (Pelco LL27NS)	1,803.31	23.51
28 21 31 00-0599	EA	Flood Lamp, Low Light Level Camera Illuminator (Pelco LL27WF)	1,803.31	23.51
28 21 31 00-0600	Camera Illuminator Accessories (28 21 31 00-0595)			
28 21 31 00-0601	EA	Removal And Replacement Of Lamp For Low Light Level Camera Illuminator (Pelco PAR56)	144.47	23.51
28 21 31 00-0602	Camera Receivers (28 21 31 00-0029)			
28 21 31 00-0603	EA	24 Volt AC, Coaxitron® Outdoor Camera Receiver With Preset Positioning (Pelco CX9024RX-PP)	1,734.59	40.15
28 21 31 00-0604	EA	120 Volt AC, Coaxitron® Outdoor Camera Receiver With Preset Positioning (Pelco CX9115RX-PP)	1,734.59	40.15
28 21 31 00-0605	Pan And Tilt Drives (28 21 31 00-0029)			
28 21 31 00-0606	EA	15 Lb. Load, 24 Volt AC, Outdoor Pan And Tilt Drive (Pelco PT270-24P)	1,223.02	88.18
28 21 31 00-0607	EA	40 Lb. Load, 24/120 Volt AC, Outdoor Pan And Tilt Drive (Pelco PT570-24P)	1,557.77	88.18
	For Preset Positioning, Add		165.00	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0608	EA	100 Lb. Load, 120 Volt AC, Outdoor Pan And Tilt Drive (Pelco PT1250P)..... <i>For Preset Positioning, Add</i>	3,314.06 165.00	88.18
28 21 31 00-0609	EA	100 Lb. Load, 120 Volt DC, Outdoor Pan And Tilt Drive (Pelco PT1250DC)..... <i>For Preset Positioning, Add</i>	3,789.81 165.00	88.18
28 21 31 00-0610	EA	100 Lb. Load, 120 Volt DC, 360 Degree Outdoor Pan And Tilt Drive (Pelco PT1280SL)..... <i>For Preset Positioning, Add</i>	4,388.23 165.00	88.18
28 21 31 00-0611	EA	100 Lb. Load, 120 Volt DC, Explosion Proof Outdoor Pan And Tilt Drive (Pelco PT1260EX) <i>For Preset Positioning, Add</i>	5,660.74 165.00	88.18
28 21 31 00-0612		Scanners (28 21 31 00-0029)		
28 21 31 00-0613	EA	35 Lb. Load, 24 Volt AC, Indoor/Outdoor Scanner (Pelco PS20-24) <i>For Wall Mount, Add</i> <i>For Pressure Sensor Alarm, Add</i>	1,398.42 39.05 51.15	88.18
28 21 31 00-0614	EA	35 Lb. Load, 120 Volt AC, Indoor/Outdoor Scanner (Pelco PS20) <i>For Wall Mount, Add</i> <i>For Pressure Sensor Alarm, Add</i>	1,470.65 39.05 51.15	88.18
28 21 31 00-0615		Camera Monitors (28 21 31 00-0028)		
28 21 31 00-0616		Camera Monitors (28 21 31 00-0615)		
28 21 31 00-0617		Monochrome Camera Monitors (28 21 31 00-0616)		
28 21 31 00-0618	EA	9" Monochrome Camera Monitor (Pelco PMM9A).....	272.57	17.64
28 21 31 00-0619	EA	12" Monochrome Camera Monitor (Pelco PMM12A).....	312.70	17.64
28 21 31 00-0620	EA	15" Monochrome Camera Monitor (Pelco PMM15A).....	482.37	17.64
28 21 31 00-0621	EA	20" Monochrome Camera Monitor (Pelco PMM20A).....	779.28	17.64
28 21 31 00-0622		Color Camera Monitors (28 21 31 00-0616)		
28 21 31 00-0623	EA	9", High Resolution Color, Camera Monitor (Pelco PMC9A)	880.17	17.64
28 21 31 00-0624	EA	15", High Resolution Color, Camera Monitor (Pelco PMCS15A)	712.79	17.64
28 21 31 00-0625	EA	17", High Resolution Color, Camera Monitor (Pelco PMCS17A).....	1,038.37	17.64
28 21 31 00-0626	EA	19", High Resolution Color, Camera Monitor (Pelco PMCS19A).....	1,382.29	17.64
28 21 31 00-0627		LCD Camera Monitors (28 21 31 00-0615)		
28 21 31 00-0628		VGA Signal, Color LCD Camera Monitors (Pelco 200 Series) (28 21 31 00-0627) Note: Displays VGA computer signals.		
28 21 31 00-0629	EA	17", VGA Signal, High Resolution Color, LCD Camera Monitor (Pelco PMCL217)	995.95	17.64
28 21 31 00-0630	EA	19", VGA Signal, High Resolution Color, LCD Camera Monitor (Pelco PMCL219)	1,298.60	17.64
28 21 31 00-0631		Multimode, Color LCD Camera Monitors (Pelco 300 Series) (28 21 31 00-0627) Note: Displays VGA computer signals and/or composite video signals.		
28 21 31 00-0632	EA	15", Multimode, High Resolution Color, LCD Camera Monitor (Pelco PMCL315)	1,133.52	17.64
28 21 31 00-0633	EA	17", Multimode, High Resolution Color, LCD Camera Monitor (Pelco PMCL317)	1,358.22	17.64
28 21 31 00-0634	EA	19", Multimode, High Resolution Color, LCD Camera Monitor (Pelco PMCL319)	1,672.33	17.64
28 21 31 00-0635		Multimode With PIP, Color LCD Camera Monitors (Pelco 400 Series) (28 21 31 00-0627) Note: Displays VGA computer signals and/or composite video signals. Includes picture in picture option.		
28 21 31 00-0636	EA	15", Multimode With PIP, High Resolution Color, LCD Camera Monitor (Pelco PMCL415)	1,456.81	17.64
28 21 31 00-0637	EA	17", Multimode With PIP, High Resolution Color, LCD Camera Monitor (Pelco PMCL417)	1,690.67	17.64
28 21 31 00-0638	EA	19", Multimode With PIP, High Resolution Color, LCD Camera Monitor (Pelco PMCL419)	2,122.86	17.64
28 21 31 00-0639		Camera Monitor Mounting Accessories (28 21 31 00-0615)		
28 21 31 00-0640		Camera Monitor Mounts (28 21 31 00-0639)		
28 21 31 00-0641	EA	Up To 14", Camera Monitor Mount (Pelco).....	333.63	23.51
28 21 31 00-0642	EA	>14" To 17", Camera Monitor Mount (Pelco)	389.80	23.51
28 21 31 00-0643	EA	>17" To 21", Camera Monitor Mount (Pelco)	458.59	23.51
28 21 31 00-0644		Camera Monitor Rack Mount Kits (28 21 31 00-0639)		
28 21 31 00-0645	EA	Camera Monitor Rack Mount Kit (Pelco PMCL-RM).....	199.50	23.51
28 21 31 00-0646		Video Transmission Equipment (28 21 31 00-0028)		
28 21 31 00-0647		UTP Cable, Video Transmission Equipment (28 21 31 00-0646)		
28 21 31 00-0648		UTP Cable, Active Video Receivers (28 21 31 00-0647)		
28 21 31 00-0649	EA	Single Channel, UTP Cable, Active Video Receiver (Pelco TW3001AR)	419.90	29.40
28 21 31 00-0650	EA	Four Channel, UTP Cable, Active Video Receiver (Pelco TW3004AR).....	1,466.56	29.40
28 21 31 00-0651	EA	Eight Channel, 4 Outputs, UTP Cable, Active Video Receiver (Pelco TW3008AR-4-US)	2,893.83	29.40
28 21 31 00-0652	EA	Sixteen Channel, UTP Cable, Active Video Receiver (Pelco TW3016AR1-US)	4,759.02	29.40
28 21 31 00-0653	EA	Sixteen Channel, 2 Outputs, UTP Cable, Active Video Receiver (Pelco TW3016AR-2-US)	5,558.06	29.40
28 21 31 00-0654		UTP Cable, Passive Video Transceivers (28 21 31 00-0647)		
28 21 31 00-0655	EA	Single Channel, UTP Cable, Passive Video Transceiver (Pelco TW3001P)	117.25	29.40
28 21 31 00-0656	EA	Four Channel, UTP Cable, Passive Video Transceiver (Pelco TW3004P).....	419.90	29.40

28 Electronic Safety and Security**28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
28 21 31 00-0657	EA	Eight Channel, UTP Cable, Passive Video Transceiver (Pelco TW3008P)	782.16		29.40
28 21 31 00-0658	EA	Sixteen Channel, UTP Cable, Passive Video Transceiver (Pelco TW3016P).....	1,495.22		29.40
28 21 31 00-0659	EA	Thirty Two Channel, UTP Cable, Passive Video Transceiver (Pelco TW3032P).....	2,932.80		29.40
28 21 31 00-0660		UTP Cable, Active Video Transmitters (28 21 31 00-0647)			
28 21 31 00-0661	EA	Single Channel, UTP Cable, Active Video Transmitter (Pelco TW3001AT).....	439.38		29.40
28 21 31 00-0662		Fiber Optics, Video Transmission Equipment (28 21 31 00-0646)			
28 21 31 00-0663		Data Only, Fiber Optics Transmission Equipment (28 21 31 00-0662)			
28 21 31 00-0664		Bidirectional Data, Fiber Optics Transmitters (28 21 31 00-0663)			
28 21 31 00-0665	EA	Single-Channel, Single Mode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8101AS).....	2,580.04		58.78
28 21 31 00-0666	EA	Single-Channel, Multimode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8101AM).....	1,046.15		58.78
28 21 31 00-0667	EA	Four-Channel, Single Mode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8104S).....	1,881.88		58.78
28 21 31 00-0668	EA	Four-Channel, Multimode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8104M).....	1,293.78		58.78
28 21 31 00-0669		Bidirectional Data, Fiber Optics Receivers (28 21 31 00-0663)			
28 21 31 00-0670	EA	Single-Channel, Single Mode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8101AS)	2,580.04		58.78
28 21 31 00-0671	EA	Single-Channel, Multimode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8101AM)	1,046.15		58.78
28 21 31 00-0672	EA	Four-Channel, Single Mode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8104S)	1,881.88		58.78
28 21 31 00-0673	EA	Four-Channel, Multimode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8104M)	1,293.78		58.78
28 21 31 00-0674		Video Only, Fiber Optics Transmission Equipment (28 21 31 00-0662)			
28 21 31 00-0675		Digitally Encoded Video, Fiber Optics Transmitters (28 21 31 00-0674)			
28 21 31 00-0676	EA	Single-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8301AS).....	1,137.87		58.78
28 21 31 00-0677	EA	Single-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8301AM).....	489.00		58.78
28 21 31 00-0678	EA	Four-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8304S)	3,177.31		58.78
28 21 31 00-0679	EA	Four-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8304M).....	1,904.81		58.78
28 21 31 00-0680	EA	Eight-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8308S)	5,213.32		58.78
28 21 31 00-0681	EA	Eight-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8308M).....	4,332.88		58.78
28 21 31 00-0682	EA	Sixteen-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8316S)	12,962.98		58.78
28 21 31 00-0683	EA	Sixteen-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8316M)	11,535.71		58.78
28 21 31 00-0684		Digitally Encoded Video, Fiber Optics Receivers (28 21 31 00-0674)			
28 21 31 00-0685	EA	Single-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8301AS).....	1,137.87		58.78
28 21 31 00-0686	EA	Single-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8301AM)	489.00		58.78
28 21 31 00-0687	EA	Two-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8302AS).....	1,951.81		58.78
28 21 31 00-0688	EA	Two-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8302AM).....	783.63		58.78
28 21 31 00-0689	EA	Four-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8304S).....	3,177.31		58.78
28 21 31 00-0690	EA	Four-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8304M).....	1,904.81		58.78
28 21 31 00-0691	EA	Eight-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8308S).....	5,213.32		58.78
28 21 31 00-0692	EA	Eight-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8308M).....	4,332.88		58.78
28 21 31 00-0693	EA	Sixteen-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8316S)	12,962.98		58.78
28 21 31 00-0694	EA	Sixteen-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8316M)	11,535.71		58.78
28 21 31 00-0695		Video And Data, Fiber Optics Transmission Equipment (28 21 31 00-0662)			
28 21 31 00-0696		Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitters (28 21 31 00-0695)			
28 21 31 00-0697	EA	Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85011AS)	1,971.30		58.78
28 21 31 00-0698	EA	Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85011AM).....	1,169.97		58.78
28 21 31 00-0699	EA	Four-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85041S).....	4,606.87		58.78
28 21 31 00-0700	EA	Four-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85041M).....	3,986.67		58.78
28 21 31 00-0701	EA	Eight-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85081S).....	7,464.85		58.78
28 21 31 00-0702	EA	Eight-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85081M).....	5,408.21		58.78
28 21 31 00-0703		Digitally Encoded Video With Bidirectional Data, Fiber Optics Receivers (28 21 31 00-0695)			
28 21 31 00-0704	EA	Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85011AS).....	1,971.30		58.78
28 21 31 00-0705	EA	Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85011AM)	1,169.97		58.78
28 21 31 00-0706	EA	Four-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85041S)	4,606.87		58.78
28 21 31 00-0707	EA	Four-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85041M).....	3,986.67		58.78
28 21 31 00-0708	EA	Eight-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85081S).....	7,464.85		58.78
28 21 31 00-0709	EA	Eight-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85081M).....	5,408.21		58.78

MINOR		DESCRIPTION	TOTAL DIRECT		DEMOLITION
CSI	UOM		UNIT COST	UNIT COST	
28 21 31 00-0710		Video, Audio And Data, Fiber Optics Transmission Equipment (28 21 31 00-0662)			
28 21 31 00-0711		Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Transmitters (28 21 31 00-0710)			
28 21 31 00-0712	EA	Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Transmitter (Pelco FT86011S).....	2,543.35		58.78
28 21 31 00-0713	EA	Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Transmitter (Pelco FT86011M).....	2,020.59		58.78
28 21 31 00-0714		Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Receivers (28 21 31 00-0710)			
28 21 31 00-0715	EA	Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Receiver (Pelco FR86011S).....	2,543.35		58.78
28 21 31 00-0716	EA	Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Receiver (Pelco FR86011M).....	2,020.59		58.78
28 21 31 00-0717		Video Amplifiers (28 21 31 00-0646)			
28 21 31 00-0718		Video Distribution Amplifiers (28 21 31 00-0717)			
28 21 31 00-0719	EA	1 Input, 4 Outputs, Video Distribution Amplifier (Pelco DA104DT).....	312.56		14.70
28 21 31 00-0720	EA	16 Channel, Master, Video Distribution Amplifier (Pelco CM9760-MDA)..... Note: Inserts time-date and title on up to 16 video inputs.	2,564.09		14.70
28 21 31 00-0721		Video Equalizing Amplifiers (28 21 31 00-0717)			
28 21 31 00-0722	EA	Video Equalizing Amplifier (Pelco EA2010).....	340.07		14.70
28 21 31 00-0723	EA	Half-Duplex, Video Equalizing Amplifier (Pelco EA2000).....	536.11		14.70
28 21 31 00-0724		Network Video Equipment (28 21 31 00-0028)			
28 21 31 00-0725		Video Encoders/Decoders (28 21 31 00-0724)			
28 21 31 00-0726	EA	MPEG4 IP Video Receiver (Pelco NET300R).....	1,259.38		29.40
28 21 31 00-0727	EA	MPEG4 IP Video Transmitter (Pelco NET300T).....	1,259.38		29.40
28 21 31 00-0728	EA	MPEG4 IP Video Receiver With Audio (Pelco NET350R).....	1,451.98		29.40
28 21 31 00-0729	EA	MPEG4 IP Video Transmitter With Audio And Local Storage (Pelco NET350T).....	1,451.98		29.40
28 21 31 00-0730		Network Video Recorders (28 21 31 00-0724)			
28 21 31 00-0731	EA	16 Device Or 100MBPS, Network Video Recorder (Pelco NVR316).....	8,057.54		58.78
28 21 31 00-0732	EA	32 Device Or 100MBPS, Network Video Recorder (Pelco NVR332).....	9,379.34		58.78
28 21 31 00-0733	EA	64 Device Or 100MBPS, Network Video Recorder (Pelco NVR364).....	12,025.23		58.78
28 21 31 00-0734	EA	64 Device Or 100MBPS, PelcoNet Network Video Recorder (Pelco NVR300).....	7,957.80		58.78
28 21 31 00-0735		Network Video Recorder Software (28 21 31 00-0724)			
28 21 31 00-0736	EA	10 User, License Pack (Pelco VMX300-LIC-10).....	797.89		
28 21 31 00-0737	EA	20 User, License Pack (Pelco VMX300-LIC-20).....	1,438.73		
28 21 31 00-0738	EA	50 User, License Pack (Pelco VMX300-LIC-50).....	3,195.02		
28 21 31 00-0739	EA	100 User, License Pack (Pelco VMX300-LIC-100).....	5,588.70		
28 21 31 00-0740	EA	10 User, Enterprise License Pack (Pelco VMX300-E-LIC10).....	1,332.12		
28 21 31 00-0741	EA	20 User, Enterprise License Pack (Pelco VMX300-E-LIC20).....	2,395.98		
28 21 31 00-0742	EA	50 User, Enterprise License Pack (Pelco VMX300-E-LIC50).....	5,325.03		
28 21 31 00-0743	EA	100 User, Enterprise License Pack (Pelco VMX300-E-LIC100).....	9,316.79		
28 21 31 00-0744	EA	200 User, Enterprise License Pack (Pelco VMX300-E-LIC200).....	15,970.50		
28 21 31 00-0745	EA	500 User, Enterprise License Pack (Pelco VMX300-E-LIC500).....	33,270.82		
28 21 31 00-0746	EA	0 Analog Inputs, No Monitors, Video Management Client Software Installed On Pelco Workstation (Pelco VMX300-CL-0).....	7,169.75		
28 21 31 00-0747	EA	1 Analog Inputs, No Monitors, Video Management Client Software Installed On Pelco Workstation (Pelco VMX300-CL-1).....	7,613.41		
28 21 31 00-0748	EA	4 Analog Inputs, No Monitors, Video Management Client Software Installed On Pelco Workstation (Pelco VMX300-CL-4).....	12,051.12		
28 21 31 00-0749	EA	0 Analog Inputs, No Monitors, Video Management Client/Server Software Installed On Pelco Workstation (Pelco VMX300-CSVR-0).....	7,968.79		
28 21 31 00-0750	EA	1 Analog Input, No Monitors, Video Management Client/Server Software Installed On Pelco Workstation (Pelco VMX300-CSVR-1).....	8,412.45		
28 21 31 00-0751	EA	4 Analog Inputs, No Monitors, Video Management Client/Server Software Installed On Pelco Workstation (Pelco VMX300-CSVR-4).....	12,847.87		
28 21 31 00-0752	EA	0 Analog Inputs, No Monitors, Enterprise Video Management Client Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CL-0).....	7,702.83		
28 21 31 00-0753	EA	1 Analog Input, No Monitors, Enterprise Video Management Client Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CL-1).....	8,147.63		
28 21 31 00-0754	EA	4 Analog Inputs, No Monitors, Enterprise Video Management Client Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CL-4).....	12,584.20		
28 21 31 00-0755	EA	0 Analog Inputs, No Monitors, Enterprise Video Management Client/Server Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CSVR-0).....	9,032.65		
28 21 31 00-0756	EA	1 Analog Input, No Monitors, Enterprise Video Management Client/Server Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CSVR-1).....	9,476.31		
28 21 31 00-0757	EA	4 Analog Inputs, No Monitors, Enterprise Video Management Client/Server Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CSVR-4).....	13,914.02		
28 21 31 00-0758		Video Recording Equipment (28 21 31 00-0028)			

28 Electronic Safety and Security**28 20 Video Surveillance****28 21 Surveillance Cameras**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

28 21 31 00-0759	Digital Video Recorders (28 21 31 00-0758)		
28 21 31 00-0760	EA 8 Channel, 1TB Hard Drive, 8 Channel Audio, Digital Video Recorder With DVD (Pelco DX8108-1000A)	12,625.94	58.78
28 21 31 00-0761	EA 8 Channel, 2 TB Hard Drive, 8 Channel Audio, Digital Video Recorder With DVD (Pelco DX8108-2000A)	17,319.30	58.78
28 21 31 00-0762	EA 8 Channel, 3 TB Hard Drive, 8 Channel Audio, Digital Video Recorder With DVD (Pelco DX8108-3000A)	22,013.81	58.78
28 21 31 00-0763	EA 16 Channel, 1 TB Hard Drive, 16 Channel Audio, Digital Video Recorder With DVD (Pelco DX8116-1000A)	15,204.19	58.78
28 21 31 00-0764	EA 16 Channel, 2 TB Hard Drive, 16 Channel Audio, Digital Video Recorder With DVD (Pelco DX8116-2000A)	19,897.56	58.78
28 21 31 00-0765	EA 16 Channel, 3 TB Hard Drive, 16 Channel Audio, Digital Video Recorder With DVD (Pelco DX8116-3000A)	24,592.06	58.78
28 21 31 00-0766	EA 24 Channel, 1 TB Hard Drive, 24 Channel Audio, Digital Video Recorder With DVD (Pelco DX8124-1000A)	16,622.29	58.78
28 21 31 00-0767	EA 24 Channel, 2 TB Hard Drive, 24 Channel Audio, Digital Video Recorder With DVD (Pelco DX8124-2000A)	21,315.65	58.78
28 21 31 00-0768	EA 24 Channel, 3 TB Hard Drive, 24 Channel Audio, Digital Video Recorder With DVD (Pelco DX8124-3000A)	26,010.16	58.78
28 21 31 00-0769	EA 32 Channel, 1 TB Hard Drive, 32 Channel Audio, Digital Video Recorder With DVD (Pelco DX8132-1000A)	19,200.54	58.78
28 21 31 00-0770	EA 32 Channel, 2 TB Hard Drive, 32 Channel Audio, Digital Video Recorder With DVD (Pelco DX8132-2000A)	23,893.91	58.78
28 21 31 00-0771	EA 32 Channel, 3 TB Hard Drive, 32 Channel Audio, Digital Video Recorder With DVD (Pelco DX8132-3000A)	28,588.41	58.78
28 21 31 00-0772	EA 16 Channel, 30 IPS, Digital Video Recorder (Pelco DX9116F-1500)	13,938.91	58.78
28 21 31 00-0773	Digital Video Recorder Accessories (28 21 31 00-0758)		
28 21 31 00-0774	EA 16 Channel, Multiplexed Analog Output Display Card (Pelco DX8000-MUX16)	1,218.11	29.40
28 21 31 00-0775	Matrix Systems And Controls (28 21 31 00-0028)		
28 21 31 00-0776	Video Multiplexers (28 21 31 00-0775)		
28 21 31 00-0777	Monochrome Duplex, Video Multiplexers (28 21 31 00-0776)		
28 21 31 00-0778	EA 9 Channel, Monochrome Duplex, Video Multiplexer (Pelco MX4009MD)	2,311.78	58.78
28 21 31 00-0779	EA 16 Channel, Monochrome Duplex, Video Multiplexer (Pelco MX4016MD)	2,184.53	58.78
28 21 31 00-0780	Color Duplex, Video Multiplexers (28 21 31 00-0776)		
28 21 31 00-0781	EA 4 Channel, Color Duplex, Video Multiplexer (Pelco MX4004CD)	1,558.59	58.78
28 21 31 00-0782	EA 9 Channel, Color Duplex, Video Multiplexer (Pelco MX4009CD)	2,981.28	58.78
28 21 31 00-0783	EA 16 Channel, Color Duplex, Video Multiplexer (Pelco MX4016CD)	3,232.34	58.78
28 21 31 00-0784	Color Simplex, Video Multiplexers (28 21 31 00-0776)		
28 21 31 00-0785	EA 9 Channel, Monochrome Simplex, Video Multiplexer (Pelco MX4009CS)	2,504.37	58.78
28 21 31 00-0786	EA 16 Channel, Monochrome Simplex, Video Multiplexer (Pelco MX4016CS)	2,926.25	58.78
28 21 31 00-0787	Video Multiplexer Accessories (28 21 31 00-0776)		
28 21 31 00-0788	EA Pushbutton/Joystick Desktop Controls For PTZ, Fixed/Variable-Speed, Multiplexer Controller (Pelco KBD4000)	1,371.18	40.15
28 21 31 00-0789	EA Pushbutton Desktop Controls For PTZ, Fixed/Variable-Speed, Multiplexer Controller (Pelco KBD4002)	800.27	40.15
28 21 31 00-0790	EA Video Multiplexer Server (Pelco MX4000SVR)	2,311.78	58.78
28 21 31 00-0791	Quad Video Processor (28 21 31 00-0775)		
28 21 31 00-0792	EA Monochrome, Quad Video Processor (Pelco QD104M)	713.37	29.40
28 21 31 00-0793	EA Color, Quad Video Processor (Pelco QD104C)	1,171.93	29.40
28 21 31 00-0794	Switcher (28 21 31 00-0775)		
28 21 31 00-0795	Terminating Manual Switchers (28 21 31 00-0794)		
28 21 31 00-0796	Terminating Manual Switchers (28 21 31 00-0795)		
28 21 31 00-0797	EA 4 Inputs, Terminating Manual Switcher (Pelco MS504DT)	245.36	23.51
28 21 31 00-0798	EA 8 Inputs, Terminating Manual Switcher (Pelco MS508DT)	334.78	23.51
28 21 31 00-0799	EA 12 Inputs, Terminating Manual Switcher (Pelco MS512DT)	408.15	23.51
28 21 31 00-0800	EA 18 Inputs, Terminating Manual Switcher (Pelco MS518DT)	670.67	23.51
28 21 31 00-0801	Audio Follow, Terminating Manual Switchers (28 21 31 00-0795)		
28 21 31 00-0802	EA 4 Inputs, Audio Follow, Terminating Manual Switcher (Pelco MS504AF)	318.73	23.51
28 21 31 00-0803	EA 8 Inputs, Audio Follow, Terminating Manual Switcher (Pelco MS508AF)	565.20	23.51
28 21 31 00-0804	EA 18 Inputs, Audio Follow, Terminating Manual Switcher (Pelco MS518AF)	990.52	23.51
28 21 31 00-0805	Balanced Audio Follow, Terminating Manual Switchers (28 21 31 00-0795)		
28 21 31 00-0806	EA 4 Inputs, Balanced Audio Follow, Terminating Manual Switcher (Pelco MS504BAF)	427.63	23.51
28 21 31 00-0807	EA 8 Inputs, Balanced Audio Follow, Terminating Manual Switcher (Pelco MS508BAF)	787.60	23.51
28 21 31 00-0808	Looping Manual Switchers (28 21 31 00-0794)		
28 21 31 00-0809	Looping Manual Switchers (28 21 31 00-0808)		
28 21 31 00-0810	EA 4 Inputs, Looping Manual Switcher (Pelco MS504LDT)	275.16	23.51
28 21 31 00-0811	EA 8 Inputs, Looping Manual Switcher (Pelco MS508LDT)	379.49	23.51
28 21 31 00-0812	EA 12 Inputs, Looping Manual Switcher (Pelco MS512LDT)	484.95	23.51
28 21 31 00-0813	EA 18 Inputs, Looping Manual Switcher (Pelco MS518LDT)	802.51	23.51
28 21 31 00-0814	Audio Follow, Looping Manual Switchers (28 21 31 00-0808)		
28 21 31 00-0815	EA 4 Inputs, Audio Follow, Looping Manual Switcher (Pelco MS504AFL)	343.95	23.51

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0816 EA 8 Inputs, Audio Follow, Looping Manual Switcher (Pelco MS508AFL)	604.18	23.51
28 21 31 00-0817 EA 12 Inputs, Audio Follow, Looping Manual Switcher (Pelco MS512AFL)	831.17	23.51
28 21 31 00-0818 Balanced Audio Follow, Looping Manual Switchers (28 21 31 00-0808)		
28 21 31 00-0819 EA 4 Inputs, Balanced Audio Follow, Looping Manual Switcher (Pelco MS504BAFL)	458.59	23.51
28 21 31 00-0820 EA 8 Inputs, Balanced Audio Follow, Looping Manual Switcher (Pelco MS508BAFL)	834.61	23.51
28 21 31 00-0821 EA 12 Inputs, Balanced Audio Follow, Looping Manual Switcher (Pelco MS512BAFL)	1,051.28	23.51
28 21 31 00-0822 Sequential Switchers (28 21 31 00-0794)		
28 21 31 00-0823 Single Output, Sequential Switchers (28 21 31 00-0822)		
28 21 31 00-0824 EA 4 Inputs, Single Output, Sequential Desktop Switcher (Pelco VA6104)	486.10	23.51
28 21 31 00-0825 EA 8 Inputs, Single Output, Sequential Desktop Switcher (Pelco VA6108)	726.85	23.51
28 21 31 00-0826 Dual Outputs, Sequential Switchers (28 21 31 00-0822)		
28 21 31 00-0827 EA 4 Inputs, Dual Outputs, Sequential Desktop Switcher (Pelco VA6204)	608.77	23.51
28 21 31 00-0828 EA 8 Inputs, Dual Outputs, Sequential Desktop Switcher (Pelco VA6208)	844.92	23.51
28 21 31 00-0829 Controls (28 21 31 00-0775)		
28 21 31 00-0830 Direct/Multi-Cable Controls (28 21 31 00-0829)		
28 21 31 00-0831 EA Scanner Control Module (Pelco MPS524DT)	411.05	58.78
28 21 31 00-0832 EA 120 Volt AC Pan/Tilt Control Module (Pelco MPT115DT)	439.71	58.78
28 21 31 00-0833 EA 24 Volt AC Pan/Tilt Control Module (Pelco MPT24DT)	489.00	58.78
28 21 31 00-0834 EA Motorized Zoom Lens Control Module (Pelco MLZ6DT)	511.93	58.78
28 21 31 00-0835 EA 120 Volt AC Pan/Tilt, Scanner And Lens Control Module (Pelco MPTAZ115DT)	814.58	58.78
28 21 31 00-0836 EA 24 Volt AC Pan/Tilt, Scanner And Lens Control Module (Pelco MPTAZ24DT)	898.27	58.78
28 21 31 00-0837 Coaxitron Controls (28 21 31 00-0829)		
28 21 31 00-0838 EA Desktop Keyboard, Fixed Speed Coaxitron Controller And Transmitter (Pelco KBD9000)	587.04	40.15
28 21 31 00-0839 EA 8 Position Joystick Pan/Tilt Controls, Switch Camera Lens Controls, Desktop Coaxitron Controller And Transmitter (Pelco MPT9000)	1,127.00	40.15
28 21 31 00-0840 EA Integral Switcher, 8 Position Joystick Pan/Tilt Controls, Switch Camera Lens Controls, Desktop Coaxitron Controller And Transmitter (Pelco MPT9008)	1,281.76	40.15
28 21 31 00-0841 Digital Controls (28 21 31 00-0829)		
28 21 31 00-0842 EA Pushbutton Desktop Controls For Pan/Tilt/Zoom, Fixed/Variable-Speed, Digital Controller (Pelco KBD200A)	794.54	40.15
28 21 31 00-0843 EA Pushbutton/Joystick Desktop Controls For Pan/Tilt/Zoom, Fixed/Variable-Speed, Digital Controller (Pelco KBD300A)	1,359.71	40.15
28 21 31 00-0844 Lock Boxes (28 21 31 00-0775)		
28 21 31 00-0845 EA VCR Lock Box (Pelco LB1000)	488.27	44.08
For Wall Mount, Add	165.00	
28 21 31 00-0846 EA Computer Disk Drive Lock Box (Pelco LB2000)	499.74	44.08
28 21 31 00-0847 EA VCR And Multiplexer Lock Box (Pelco LB3000)	923.91	44.08
Note: Includes storage for 32 VCR tapes.		
28 21 31 00-0848 Test And Certification Of Surveillance Camera System (28 21 31)		
28 21 31 00-0849 DAY Test And Certification Of Surveillance Camera System To Tie Into Existing Systems	932.83	
28 21 31 00-0850 HR Test And Certification Of Surveillance Camera System	291.51	
28 21 31 00-0851 Programming Of Surveillance Camera System (28 21 31)		
28 21 31 00-0852 HR Programming Of Surveillance Camera (CCTV) System	233.21	
28 21 31 00-0853 Removal And Reinstallation Of Cameras (28 21 31)		
Note: Includes storage, cleaning and supply materials.		
28 21 31 00-0854 EA Removal And Reinstallation Of Camera System	529.07	
28 21 31 00-0855 Closed Circuit Television And Surveillance Systems (American Dynamics) (28 21 31)		
28 21 31 00-0856 EA 2 Megapixel Indoor/Outdoor Network IR MiniDome Camera, 2.7-13.5mm Lens (American Dynamics IPS03-D12-O103)	997.76	117.57
28 21 31 00-0857 EA 2 Megapixel IR Outdoor PTZ Camera, 42X Lens (American Dynamics AD- IPS02-P24-OI04)	4,113.07	117.57
28 21 31 00-0858 EA Dome Mount, Ultra/Optima (Outdoor), Over-The-Roof Mount (American Dynamics AD- RHOTR)	701.33	235.14
28 21 31 00-0859 EA 64 Channel 2U VideoEdge Hybrid Network Video Recorder, 30TB (American Dynamics ADVER30R5N2B)	15,552.50	58.78
28 21 31 00-0860 EA 2 Post Rack Rail Kit For Network Video Recorder	250.75	29.40

28 40 Life Safety (28)

Note: Includes testing of new devices and certification.

28 41 Radiation Detection and Alarm (28 40)

28 Electronic Safety and Security**28 40 Life Safety****28 41 Radiation Detection and Alarm**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

28 41 15 Radiation Detection Sensors (28 41)

28 41 15 00-0001	Wall Mount, Battery Operated, Home Radon Detector (28 41 15)		
Note: Long term and 7 day average display.			
28 41 15 00-0002	EA Wall Mount, Battery Operated, Home Radon Detector	213.11	

28 42 Gas Detection and Alarm (28 40)**28 42 11 Gas Detection and Alarm Control, GUI, and Logic Systems (28 42)**

28 42 11 00-0001	Monitoring System For Underground Tanks (28 42 11)		
28 42 11 00-0002	Continuous Leak Detection System (28 42 11 00-0001)		
Note: Includes calibration, electronic control module and probes. Excludes sample wells, electrical power supply and sensor cable.			
28 42 11 00-0003	EA Single Channel Underground Tank Monitoring System	15,388.41	481.23
28 42 11 00-0004	EA 2 Channel Underground Tank Monitoring System	20,777.59	642.03
28 42 11 00-0005	EA 3 Channel Underground Tank Monitoring System	29,830.56	687.80
28 42 11 00-0006	EA 4 Channel Underground Tank Monitoring System	31,555.96	962.46
28 42 11 00-0007	EA Control Panel, 1-8 Tanks, Single Wall Tank Monitoring System	23,339.30	82.16
28 42 11 00-0008	EA Control Panel, 1-4 Tanks, Double Wall Tank Monitoring System	21,048.75	73.36
28 42 11 00-0009	EA Control Panel, 1-8 Tanks, Double Wall Tank Monitoring System	27,706.51	82.16
28 42 11 00-0010	EA Tank Leak Detection Probe	8,591.82	17.61
28 42 11 00-0011	EA Secondary Containment Collar Probe	1,039.22	7.05
28 42 11 00-0012	EA Interstitial Leak Detection Probe	1,901.36	14.67
28 42 11 00-0013	EA Liquid Phase Detection	6,283.40	44.01
28 42 11 00-0014	EA Hydrocarbon Vapor, Fixed	5,793.21	44.01
28 42 11 00-0015	EA Hydrocarbon Vapor, Float Mounted	6,779.16	49.88
28 42 11 00-0016	EA Liquid And Vapor Hydrocarbon	7,759.56	49.88

28 42 15 Gas Detection Sensors (28 42)

28 42 15 00-0001	Hydrogen Gas Detection (28 42 15)		
28 42 15 00-0002	EA Hydrogen Gas Detector Sensor, 1% Fan Relay, 2% Alarm (SBS HGDI-DR)	2,068.82	44.08
28 42 15 00-0003	EA Hydrogen Gas Detector Junction Box (SBS HGDI-JB)	106.86	44.08
28 42 15 00-0004	EA Remote Display With 25' Cable For Hydrogen Gas Detector (SBS HGDI-REM)	519.72	44.08

28 43 Fuel Oil Detection and Alarm (28 40)

See CSI section 28 42 00 00-0000 for detection and alarms.

28 46 Fire Detection and Alarm (28 40)**28 46 13 Fire-Alarm Systems (28 46)****28 46 13 31 Proprietary Supervising-Station Fire-Alarm Systems (28 46 13)**

Note: Includes programming of equipment, testing and certification of new devices.

28 46 13 31-0001	Edwards Fire Alarm (28 46 13 31)		
28 46 13 31-0002	EST3 Life Safety And Security Control (28 46 13 31-0001)		
28 46 13 31-0003	EST3 Network (28 46 13 31-0002)		
28 46 13 31-0004	Remote Annunciators (28 46 13 31-0003)		
28 46 13 31-0005	EA Remote LCD Command Module Annunciator (EST3 3-LCDANN)	1,661.37	88.18
Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.			
28 46 13 31-0006	EA Six Position Base Annunciator (EST3 3-6ANN)	1,350.71	88.18
Note: Includes door, CPU card, two annunciator support modules and five blank filler plates. Space provided for up to four Control/Display Modules and one 3-LCD Liquid Crystal Display Module.			
28 46 13 31-0007	EA Ten Position Base Annunciator (EST3 3-10ANN)	1,712.95	88.18
Note: Includes door, CPU card, two annunciator support modules and nine blank filler plates. Space provided for up to eight Control/Display Modules and one 3-LCD Liquid Crystal Display Module.			
28 46 13 31-0008	EA Annunciator CPU (EST3 3-ANNCPU3)	1,085.54	88.18
Note: One Required per graphic annunciator.			
28 46 13 31-0009	EA Annunciator Support Module (EST3 3-ANNSM)	197.13	29.40
Note: Takes one space in Annunciator box. Supports one Control/Display module.			
28 46 13 31-0010	EA Liquid Crystal Display Module (EST3 3-LCD)	691.72	88.18
Note: Mounts over 3-CPU(1).			
28 46 13 31-0011	EA Liquid Crystal Display Module (EST3 3-LCDXL)	645.59	88.18
Note: Mounts over 3-ANNCPU plus two spaces.			
28 46 13 31-0012	EA LED/SWITCH Driver Module Assembly For Third Part Graphics (EST3 3-EVDVRA)	782.53	88.18
Note: Assembled version of 3-EVDVR, comes packaged with cables, mounting hardware installation instructions used for third party graphics. Mounts in 3-EVDVRX.			
28 46 13 31-0013	EA Power Supply Assembly With 19" Rail Mounting Chassis Assembly (EST3 3-EVPWRA)	920.71	58.78
Note: Assembled version of 3-EVPWR, comes packaged with cables, mounting hardware and mounting plate for 3-ANNCPU1. Used for third party graphics.			
28 46 13 31-0014	EA Plastic Mounting Extrusion 19" Mounting (EST3 3-EVDVRX)	135.46	29.40
Note: Mounts up to three 3-EVDVRA modules.			
28 46 13 31-0015	EA Central Processor Unit Module (EST3 3-CPU3)	1,970.69	88.18
Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.			
28 46 13 31-0016	EA 120 Volt AC, 50/60 Hertz, Primary Power Supply With Local Rail Module (EST3 3-CPU3)	1,748.66	29.40
Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.			

28 46 13 31-0017 Remote Annunciators Cabinets (28 46 13 31-0003)

28 46 13 31-0018	EA Remote LCD Command Module Flush Mount LCD Wallbox (EST3 RLCMB/B)	146.49	29.40
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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0019	EA	Remote LCD Command Module Surface Mount LCD Wallbox (EST3 RLCMB-S)	134.74	23.51
28 46 13 31-0020	EA	Six Position LED/LCD Flush Wallbox (EST3 6ANNB)	165.96	29.40
28 46 13 31-0021	EA	Six Position LED/LCD Surface Wallbox (EST3 6ANN/B-S)	154.21	23.51
28 46 13 31-0022	EA	Ten Position LED/LCD Flush Wallbox (EST3 10ANN/B)	184.22	29.40
28 46 13 31-0023	EA	Ten Position LED/LCD Surface Wallbox (EST3 10ANN/B-S)	172.47	23.51
28 46 13 31-0024 Audio And Telephone Masters (28 46 13 31-0003)				
28 46 13 31-0025	EA	Audio Source Unit With Local Microphone And Firefighters' Telephone (EST3 3-ASU/FT)	5,447.74	117.57
28 46 13 31-0026	EA	Audio Source Unit With Local Microphone (Provides Four Local Rail Spaces) (EST3 3-ASU/4)	3,023.34	117.57
28 46 13 31-0027	EA	Audio Source Unit With Local Microphone And Inner Door Filler Plate (EST3 3-ASU)	1,774.77	117.57
28 46 13 31-0028	EA	Fire Fighters Telephone Control Unit With Inner Door Filler Plate (EST3 3-FTCU)	2,856.65	117.57
28 46 13 31-0029	EA	Audio Source Unit Memory Expansion, 100 Minutes (EST3 3-ASUMX/100)	3,265.71	117.57
28 46 13 31-0030	EA	Zoned Amplifier, 95 Watt, Class B. 95 Watt Selectable For 25 Or 70 Vrms Class B Output. Mounts In 2 LRM Spaces (EST3 3-ZA95)	1,737.45	58.78
28 46 13 31-0031 Battery Distribution Unit (28 46 13 31-0003)				
28 46 13 31-0032	EA	Battery Distribution Unit (EST3 3-BTSEN)	580.64	463.07
28 46 13 31-0033 Remote Booster Power Supply (28 46 13 31-0003)				
28 46 13 31-0034	EA	6.5 Amperes, 120 Volt AC, Booster Power Supply (EST3 BPS6A)	934.09	88.18
28 46 13 31-0035	EA	10 Amperes, 110 Volt AC Booster Power Supply (EST3 BPS10)	1,068.91	88.18
28 46 13 31-0036	EA	10 Amperes, 220 Volt AC Booster Power Supply (EST3 BPS10220)	1,168.25	88.18
28 46 13 31-0037	EA	Tamper Switch - For CAB7, 14 And 21 Series Cabinets (EST3 3-TAMP)	149.76	29.40
28 46 13 31-0038 Batteries And Battery Cabinets (28 46 13 31-0003)				
28 46 13 31-0039	EA	1.2 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V1A2 (1.2 Ampere Hours))	112.73	29.40
28 46 13 31-0040	EA	4 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V4A (4.5 Ampere Hours))	142.02	29.40
28 46 13 31-0041	EA	24 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V24A (26 Ampere Hours))	344.09	29.40
28 46 13 31-0042	EA	6.5 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V6A5 (7.2 Ampere Hours))	153.75	29.40
28 46 13 31-0043	EA	40 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V40A (40 Ampere Hours))	437.90	29.40
28 46 13 31-0044	EA	10 Amperes Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V10A (11 Ampere Hours))	243.71	29.40
28 46 13 31-0045	EA	50 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V50A (50 Ampere Hours))	894.93	29.40
28 46 13 31-0046	EA	17 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V17A (18 Ampere Hours))	249.75	29.40
28 46 13 31-0047	EA	65 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V65A (65 Amp Hours))	1,078.70	29.40
28 46 13 31-0048	EA	8 Ampere Hours, 6 Volt DC, Sealed Lead Acid Battery (EST3 6V8A (8 Amp Hours))	136.31	29.40
28 46 13 31-0049	EA	10 Ampere Hours, 6 Volt DC, Sealed Lead Acid Battery (EST3 6V10A (12 Amp Hours))	121.68	29.40
28 46 13 31-0050	EA	14" x 18-1/4" x 7-1/4" Free Standing Battery Cabinet With Key Lock (EST3 BC-1)	444.33	58.78
		Note: Supports up to 40 Ah batteries will hold up to two 12V24A batteries.		
28 46 13 31-0051	EA	22" x 15" x 3-3/4" Grey Battery Cabinet (EST3 BC-2)	365.45	58.78
		Note: Holds up to two 12V17A batteries.		
28 46 13 31-0052	EA	Remote Closet Enclosure (EST3 3-RCC7R)	1,265.65	117.57
28 46 13 31-0053	EA	Remote Closet Enclosure (EST3 3-RCC14R)	1,576.21	117.57
28 46 13 31-0054	EA	Remote Closet Enclosure (EST3 3-RCC21R)	2,220.20	117.57
28 46 13 31-0055 Serial Printer (28 46 13 31-0003)				
28 46 13 31-0056	EA	System Printer - Desk Top Style (EST3 PT-1S)	907.87	29.40
28 46 13 31-0057 Intelligent Analog Initiating Devices (28 46 13 31-0002)				
28 46 13 31-0058 Detectors, Signature (28 46 13 31-0057)				
28 46 13 31-0059	EA	Intelligent 4D Multisensor Detector For Ionization, Photoelectric, And Heat (EST3 SIGA-IPHS)	264.84	44.08
28 46 13 31-0060	EA	Black, Intelligent 4D Multisensor Detector For Ionization, Photoelectric, And Heat (EST3 SIGA-IPHSB)	298.93	44.08
28 46 13 31-0061	EA	Intelligent 3D Multisensor Detector For Photoelectric And Heat (EST3 SIGA-PHS)	254.68	44.08
28 46 13 31-0062	EA	Intelligent Photoelectric Smoke Detector (EST3 SIGA-PS)	224.21	44.08
28 46 13 31-0063	EA	Intelligent Ionization Smoke Detector (EST3 SIGA-IS)	234.37	44.08
28 46 13 31-0064	EA	135 Degrees Fahrenheit, 15 Degrees Fahrenheit Per Minute, Intelligent Fixed Temperature/Rate-of-Rise Heat Detector (EST3 SIGA-HRS)	190.23	44.08
28 46 13 31-0065	EA	135 Degree Fahrenheit, Intelligent Fixed Temperature Heat Detector (EST3 SIGA-HFS)	190.23	44.08
28 46 13 31-0066	EA	Passive Infrared Motion Detector (EST3 SIGA-MD)	308.00	44.08
28 46 13 31-0067	EA	Passive Infrared Motion Detector With Swivel Mount For Single Gang Boxes (EST3 SIGA-MDS)	341.28	44.08
28 46 13 31-0068	EA	Intelligent Photoelectric Smoke Detector (EST3 SIGA2-PS)	286.21	44.08
28 46 13 31-0069	EA	Intelligent Combination Photo Electric And CO Sensor (EST3 SIGA2-PCOS)	418.29	44.08
28 46 13 31-0070	EA	135 Degree Fahrenheit, Intelligent Fixed Temperature Heat Detector (EST3 SIGA2-HFS)	236.91	44.08
28 46 13 31-0071	EA	135 Degrees Fahrenheit, 15 Degrees Fahrenheit Per Minute, Intelligent Fixed Temperature/Rate-of-Rise Heat Detector (EST3 SIGA2-HRS)	236.91	44.08
28 46 13 31-0072	EA	Photoelectric, Heat, Intelligent 3D Multisensor Detector (EST3 SIGA2-PHS)	330.59	44.08
28 46 13 31-0073 Detectors, Duct Housings and Accessories, Signature (28 46 13 31-0057)				
28 46 13 31-0074	EA	Superduct, Signature Duct Smoke Detector (EST3 SIGA-SD)	539.45	73.48
28 46 13 31-0075	EA	Superduct, Test Magnet Kit (EST3 SD-MAG)	22.07	
28 46 13 31-0076	EA	Superduct, 120" Air Sample Tube (EST3 SD-T120)	69.08	17.64
28 46 13 31-0077	EA	Superduct, Remote Test Station, Keyed, 2-Wire And SIGA (EST3 SD-TRK)	139.89	23.51
28 46 13 31-0078	EA	Duct Smoke Detector Test Station, 2-Gang Plastic Plate With Key Switch, 2 Keys, Use With Duct Detector Only (EST3 SIGA-DTS)	191.45	23.51
28 46 13 31-0079	EA	High Temp Heat Detector, 194 Degree F, Combination Rate-Of-Rise And Fixed Temperature (EST3 282B-PL)	81.07	23.51

28 Electronic Safety and Security**28 40 Life Safety****28 46 Fire Detection and Alarm**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

28 46 13 31-0080		Modules, Signature (28 46 13 31-0057)			
28 46 13 31-0081	EA	Universal Class A/B Module - UIO Mount (EST3 SIGA-MAB)	252.39	29.40	
28 46 13 31-0082	EA	Class B Single Input Module (One Gang Standard Mount) (EST3 SIGA-CT1)	110.46	29.40	
28 46 13 31-0083	EA	Class B Dual Input Module (One Gang Standard Mount) (EST3 SIGA-CT2)	146.51	29.40	
28 46 13 31-0084	EA	Class B Dual Input UIO (Plug In) Module (EST3 SIGA-MCT2)	225.21	29.40	
28 46 13 31-0085	EA	Single Input (Riser) Module, Features A Built-In Ring Tone Generator, Use For Switching A Single Signal Or Audio Circuit (EST3 SIGA-CC1)	160.11	29.40	
28 46 13 31-0086	EA	Dual Input (Riser) Module, Use For Switching (Selecting) Either Of Two Signal Or Audio Input Circuits To One Signal Output Circuit (EST3 SIGA-CC2)	167.59	29.40	
28 46 13 31-0087	EA	Control Relay Module (One Gang Standard Mount) (EST3 SIGA-CR)	129.51	29.40	
		Note: Select for either N.O. or N.C. operation. Rated at 2 amperes (24 Volt DC).			
28 46 13 31-0088	EA	Control Relay UIO (Plug In) Module (EST3 SIGA-MCR)	194.81	29.40	
28 46 13 31-0089	EA	Single Input (Riser) Module With Strobe Synchronization Output (EST3 SIGA-CC1S)	262.72	29.40	
28 46 13 31-0090	EA	Universal Input/Output Module - Input With Programmable Output (EST3 SIGA-IO)	255.90	29.40	
28 46 13 31-0091	EA	Input/Output Module - UIO Mount, Multifunction Module With Input And Program (EST3 SIGA-MIO)	254.74	29.40	
28 46 13 31-0092	EA	Waterflow/Tamper Module (One Gang Standard Mount) (EST3 SIGA-WTM)	224.68	195.30	
28 46 13 31-0093	EA	Monitor Module (One Gang Standard Mount) (EST3 SIGA-MM1)	162.43	29.40	
		Note: Factory programmed for non-latching monitor operation.			
28 46 13 31-0094	EA	Single Input (Riser) Module, With Synchronization Output (EST3 SIGA-MCC1S)	263.83	29.40	
28 46 13 31-0095		Module Accessories, Signature (28 46 13 31-0057)			
		Note: Universal I/O motherboards are required for UIO plug-in modules. Module mounting plates can be used to mount multiple 1 and 2-gang modules.			
28 46 13 31-0096	EA	Module Mounting Bracket - For 4" Square Box, Mounting Kit Allows Installing 2 Single Gang Signature Modules Into A Single 4" Square Box (EST3 SIGA-MB4)	63.52	14.70	
28 46 13 31-0097	EA	Universal Input/Output Module Motherboard - 6 Position, Use For M Series Modules (EST3 SIGA-UIO6)	221.92	29.40	
28 46 13 31-0098	EA	Transient Protector - For Bell And Horn Circuits, Provides Transient Protection To -CC1, -MCC1, -CC2, -MCC2, -UM And -MAB Modules (EST3 235196P)	22.72	8.81	
28 46 13 31-0099	EA	Signature Module Mounting Plate, 1 Footprint, Space For Up To Four 2-Gang Signature Modules Or Eight 1-Gang Signature Modules (EST3 SIGA-MP1)	75.28	14.70	
28 46 13 31-0100	EA	Signature Module Mounting Plate, 1/2 Footprint, Space For Up To Two 2-Gang Signature Modules Or Four 1-Gang Signature Modules (EST3 SIGA-MP2)	66.84	14.70	
28 46 13 31-0101	EA	Signature Module Mounting Plate, 1/2 Extended Footprint, Space For Up To Three 2-Gang Signature Modules Or Six 1-Gang Signature Modules (EST3 SIGA-MP2L)	70.17	14.70	
28 46 13 31-0102		Single Action Pull Stations, Signature (28 46 13 31-0057)			
28 46 13 31-0103	EA	One Stage Fire Alarm Station, English Markings (EST3 SIGA-270)	270.55	61.13	
28 46 13 31-0104	EA	Two Stage (Pre Signal) Fire Alarm Station, English Markings (EST3 SIGA-270P)	321.51	61.13	
28 46 13 31-0105	EA	GA Key - For Pre Signal Station (EST3 276-K2)	37.64	31.76	
28 46 13 31-0106	EA	20 Glass Rods For SIGA-270 Series Stations (EST3 270-GLR)	47.45	41.57	
28 46 13 31-0107	EA	Surface Mount Box, Red - For SIGA-270 Series (EST3 276B-RSB)	69.04	45.52	
28 46 13 31-0108		Double Action Pull Stations, Signature (28 46 13 31-0057)			
28 46 13 31-0109	EA	Double Action (One Stage) Fire Alarm Station, English Markings (EST3 SIGA-278)	198.50	61.13	
28 46 13 31-0110	EA	12 Glass Rods For SIGA-278 Series (EST3 276-GLR)	48.18	5.88	
28 46 13 31-0111		Detector Bases and Accessories, Signature (28 46 13 31-0057)			
		Note: For raised floor and plenum applications. Order detector mounting base and detector separately. Compatible with -PS, and -PHS detectors and -SB, -RB and -IB bases.			
28 46 13 31-0112	EA	Audible (Sounder) Base (EST3 SIGA-AB4G)	138.90	14.70	
28 46 13 31-0113	EA	Surface Box - For Sounder Base, Use With -AB4G Models Only (EST3 AB4G-SB)	49.88	14.70	
28 46 13 31-0114	EA	Audible (Sounder) Base, Mounts To 4" Square, 2-1/8" Deep Box (EST3 SIGA-AB4)	174.26	14.70	
28 46 13 31-0115	EA	Detector (Smoke) Guard, Covers Detectors Mounted To Flush Boxes, Compatible With -IPHS And -PS Signature Detectors (EST3 SIGA-DG)	97.48	14.70	
28 46 13 31-0116	EA	Detector (Smoke) Guard Surface Box - For SIGA-DG (EST3 SIGA-DGSB)	114.45	14.70	
28 46 13 31-0117	EA	Detector Mounting Plate (EST3 SIGA-DMP)	182.38	14.70	
		Note: For raised floor and plenum applications. Order detector mounting base and detector separately. Compatible with -PS, -PHS and -IPHS detectors and -SB, -RB and -IB bases. SIGA-IPHS 4D detector is limited to operation in air velocities less than 500 feet per minute.			
28 46 13 31-0118	EA	Remote Alarm LED, Use With -SB And -SB4 Standard Base Only (EST3 SIGA-LED)	63.52	14.70	
28 46 13 31-0119	EA	Trim Skirt/Ring - For Octagon Box (EST3 SIGA-TS)	22.86	8.81	
28 46 13 31-0120	EA	Trim Skirt/Ring - For 4" Square Box, Use To Hide Imperfections Around Electric Boxes Not Completely Hidden By Standard Bases, With All 4" Bases (EST3 SIGA-TS4)	22.86	8.81	
28 46 13 31-0121	EA	Detector (Smoke) Guard Mounting Flange, Provides Secure Mounting While Offering Easy Guard Removal, With Tamper Hardware (EST3 SIGA-DGMF)	68.74	8.81	
28 46 13 31-0122	EA	Detector Base With Isolator (EST3 SIGA-IB)	112.73	14.70	
28 46 13 31-0123	EA	Detector Base With Isolator - For 4" Square Box, With TS4 Skirt (EST3 SIGA-IB4)	120.01	14.70	
28 46 13 31-0124	EA	Detector Base With Form 'C' Relay (EST3 SIGA-RB)	64.76	14.70	
28 46 13 31-0125	EA	Detector Base With Form 'C' Relay - For 4" Square Box, With TS4 Skirt (EST3 SIGA-RB4)	100.04	14.70	
28 46 13 31-0126	EA	Detector Base - Standard, For 4" Square Box, With TS4 Skirt (EST3 SIGA-SB4)	40.96	14.70	
28 46 13 31-0127		Controllers, Signature (28 46 13 31-0057)			
28 46 13 31-0128	EA	Signature Dual Driver Controller (EST3 3-SDDC1)	3,906.03	88.18	
28 46 13 31-0129	EA	Single Signature Loop Controller (EST3 3-SSDC1)	2,231.69	88.18	
28 46 13 31-0130	EA	Signature Loop Controller (EST3 3-SDC1)	2,003.15	88.18	
28 46 13 31-0131	EA	Analog Addressable Loop Controller (EST3 3-AADC1)	3,221.01	88.18	
28 46 13 31-0132		Relays And Accessories (28 46 13 31-0057)			
28 46 13 31-0133	EA	Multi Voltage Relay (EST3 MR101)	202.54	29.40	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0134	EA	Single SPDT Auxiliary Relay With LED Track Mounting (EST3 MR101/T).....	59.19	14.70
28 46 13 31-0135		Notification Appliances (28 46 13 31-0002)		
28 46 13 31-0136		Wall Strobes, Horns And Chimes (28 46 13 31-0135)		
28 46 13 31-0137	EA	Strobe (15, 30, 75, Or 110 cd Output), White (EST3 G1-VM).....	160.80	44.08
28 46 13 31-0138	EA	Strobe (15, 30, 75, Or 110 cd Output), Red (EST3 G1R-VM).....	160.80	44.08
28 46 13 31-0139	EA	Horn-Strobe (15, 30, 75, Or 110 cd Output, High Or Low dB Output), White (EST3 G1-HDVM).....	184.45	44.08
28 46 13 31-0140	EA	Temporal Horn (Selectable High Or Low dB Output), White (EST3 G1-HD).....	134.15	44.08
28 46 13 31-0141	EA	Temporal Horn (Selectable High Or Low dB Output), Red (EST3 G1R-HD).....	134.15	44.08
28 46 13 31-0142	EA	Temporal Horn, Hi/Lo dB Output, 24 Volt DC, White, With The Word "FIRE" On Housing (EST3 G1F-HD).....	134.15	44.08
28 46 13 31-0143	EA	Temporal Horn, Hi/Lo dB Output, 24 Volt DC, Red, With The Word "FIRE" On Housing (EST3 G1RF-HD).....	134.15	44.08
28 46 13 31-0144	EA	Horn (Steady Tone), 24 Volt DC, White, Not Compatible With Signal Master (EST3 G1-P).....	111.76	44.08
28 46 13 31-0145	EA	Horn (Steady Tone) - 24 Volt DC, Red, Not Compatible With Signal Master (EST3 G1R-P).....	111.76	44.08
28 46 13 31-0146	EA	Horn (Steady Tone), 24 Volt DC, Red, With The Word "FIRE" On Housing, Not Compatible With Signal Master (EST3 G1RF-P).....	111.76	44.08
28 46 13 31-0147	EA	Genesis Chime-Strobe (15, 30, 75, Or 110 cd Output, High Or Low dB Output), White (EST3 G1-CVM).....	280.99	44.08
28 46 13 31-0148	EA	Genesis Chime-Strobe (15, 30, 75, Or 110 cd Output, High Or Low dB Output), Red (EST3 G1R-CVM).....	280.99	44.08
28 46 13 31-0149	EA	Genesis Chime (Selectable High Or Low dB Output), White (EST3 G1-C).....	181.57	44.08
28 46 13 31-0150	EA	Genesis Chime (Selectable High Or Low dB Output), Red (EST3 G1R-C).....	181.57	44.08
28 46 13 31-0151	EA	Wall Strobe, 15/75 cd, White, With The Word "FIRE" On Housing (EST3 G1F-V1575).....	160.80	44.08
28 46 13 31-0152	EA	Multi-cd Strobe, 24 Volt DC, White, With The Word "FIRE" On Housing (EST3 G1F-VM).....	160.80	44.08
28 46 13 31-0153	EA	Multi-Candela Strobe, 24 Volt DC, Red, With The Word "FIRE" On Housing (EST3 G1RF-VM).....	160.80	44.08
28 46 13 31-0154	EA	Wall Strobe, 15/75 cd, Red, With The Word "FIRE" On Housing (EST3 G1RF-V1575).....	160.80	44.08
28 46 13 31-0155	EA	Genesis Ceiling Strobe, 15-95 Multi-cd, FIRE Marking, Mounts To 4" Square x 2-1/8" Box (EST3 GCF-VM).....	167.45	44.08
28 46 13 31-0156	EA	Genesis Ceiling Strobe, 15-95 Multi-cd, FIRE Marking, Mounts To 4" Square x 2-1/8" Box (EST3 GCFR-VM).....	167.45	44.08
28 46 13 31-0157	EA	Genesis Ceiling Strobe, 95-177 Multi-cd, FIRE Marking, Mounts To 4" Square x 2-1/8" Box (EST GCF-VMH).....	183.00	44.08
28 46 13 31-0158	EA	Genesis Ceiling Strobe, 15-95 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-VM).....	167.45	44.08
28 46 13 31-0159	EA	Genesis Ceiling Strobe, 95-177 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-VMH).....	167.45	44.08
28 46 13 31-0160	EA	Genesis Trim Plate (For Two-Gang Or 4" Square Boxes) With "FIRE" Markings, White (EST3 G1T-FIRE).....	97.20	44.08
28 46 13 31-0161	EA	Genesis Trim Plate (For Two-Gang Or 4" Square Boxes) With "FIRE" Markings, Red (EST3 G1RT-FIRE).....	97.20	44.08
28 46 13 31-0162		Wall Speakers And Speaker Strobes (28 46 13 31-0135)		
28 46 13 31-0163	EA	Multi-Wattage 25 VRMS Speaker (EST3 G4-S2).....	132.14	44.08
28 46 13 31-0164	EA	Multi-Candela/Wattage 25 VRMS Speaker-Strobe (EST3 G4-S2VM).....	207.16	44.08
28 46 13 31-0165	EA	Multi-Wattage 70 VRMS Speaker (EST3 G4-S7).....	132.14	44.08
28 46 13 31-0166	EA	Multi-Candela/Wattage 70 VRMS Speaker-Strobe (EST3 G4-S7VM).....	207.16	44.08
28 46 13 31-0167	EA	Surface Box, White, For Genesis Speaker (EST3 G4B).....	65.31	23.51
28 46 13 31-0168	EA	Surface Box, Red, For Genesis Speaker (EST3 G4RB).....	65.31	23.51
28 46 13 31-0169		Ceiling Speakers And Speaker Strobes (28 46 13 31-0135)		
28 46 13 31-0170	EA	Genesis Ceiling Speaker, 70 VRMS, Mounts To 4" Square x 2-1/8" Box (EST3 GC-S7).....	159.35	44.08
28 46 13 31-0171	EA	Genesis Ceiling Speaker/Strobe, 70 VRMS, 15-95 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-S7VM).....	207.16	44.08
28 46 13 31-0172	EA	Genesis Ceiling Speaker/Strobe, 70 VRMS, 95-177 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-S7VMH).....	222.30	44.08
28 46 13 31-0173		Harsh Environment Signals (28 46 13 31-0135)		
28 46 13 31-0174	EA	Temporal Horn, Self-Synchronized, 24 Volt DC (EST3 757-1A-T).....	140.73	44.08
28 46 13 31-0175	EA	15/75 Candela Temporal Horn/Strobe, 24 Volt DC (EST3 757-7A-T).....	200.44	44.08
28 46 13 31-0176	EA	110 Candela Temporal Horn/Strobe, 24 Volt DC (EST3 757-8A-T).....	200.44	44.08
28 46 13 31-0177	EA	15 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-5A-T).....	182.69	44.08
28 46 13 31-0178	EA	15/75 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-7A-T).....	170.89	44.08
28 46 13 31-0179	EA	30 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-3A-T).....	182.69	44.08
28 46 13 31-0180	EA	60 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-6A-T).....	182.69	44.08
28 46 13 31-0181	EA	110 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-8A-T).....	182.69	44.08
28 46 13 31-0182	EA	15/75 Candela Synchronized, 24 Volt DC, Red, Outdoor Listed, Strobe (EST3 CS405-7A-T).....	201.77	49.97
28 46 13 31-0183	EA	110 Candela Synchronized, 24 Volt DC, Red, Outdoor Listed, Strobe (EST3 CS405-8A-T).....	201.77	49.97
28 46 13 31-0184	EA	15 Candela Temporal Horn/Strobe, 24 Volt DC (EST3 757-5A-T).....	147.93	44.08
28 46 13 31-0185	EA	30 Candela Temporal Horn/Strobe, 24 Volt DC (EST3 757-3A-T).....	194.77	44.08
28 46 13 31-0186		Fire Alarm Bells (28 46 13 31-0135)		
28 46 13 31-0187	EA	10" Single Stroke Fire Alarm Bells, 24 Volt DC (EST3 323D-10AW).....	217.00	44.08
28 46 13 31-0188	EA	6" Vibrating Fire Alarm Bells, 24 Volt DC (EST3 439D-6AW).....	172.41	44.08
28 46 13 31-0189	EA	10" Vibrating Fire Alarm Bells, 24 Volt DC (EST3 439D-10AW).....	191.44	44.08
28 46 13 31-0190		Multiple Tone Signal (28 46 13 31-0135)		
28 46 13 31-0191	EA	27 Tone Selectable Signal, 24 Volt DC (EST3 5530MD-24AW).....	1,426.23	1,382.13
28 46 13 31-0192		Multi-Purpose Loudspeaker (28 46 13 31-0135)		
28 46 13 31-0193	EA	15 Watt Loudspeaker, Gray (EST3 HPSA15G2570).....	288.12	44.08
28 46 13 31-0194	EA	15 Watt Loudspeaker, Red (EST3 HPSA15R2570).....	288.12	44.08
28 46 13 31-0195		Bell/Strobe Plate (28 46 13 31-0135)		
28 46 13 31-0196	EA	Bell/Strobe Plate - 15cd (EST3 403-5A-R).....	145.58	23.51

28 Electronic Safety and Security**28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

28 46 13 31-0197		Mounting Accessories (28 46 13 31-0135)	
28 46 13 31-0198	EA	Surface Mount Box - Indoor, Red, 1-Gang (EST3 27193-11)	66.69 23.51
28 46 13 31-0199	EA	One Gang Surface Mount Box, Red, No Bottom KO (EST3 27193-11-NY).....	66.69 23.51
28 46 13 31-0200	EA	Surface Mount Box - Indoor, White, 1-Gang (EST3 27193-16).....	66.69 23.51
28 46 13 31-0201	EA	Surface Mount Box - Indoor, Red, 2-Gang (EST3 27193-21)	66.69 23.51
28 46 13 31-0202	EA	Surface Mount Box - Indoor, White, 2-Gang (EST3 27193-26).....	66.69 23.51
28 46 13 31-0203		Firefighters' Telephones (28 46 13 31-0135)	
28 46 13 31-0204	EA	Remote Telephone Warden Station - Flush, Red, 5' Armored Cable, Hinged Door With Magnetic Latch, 4-State (EST3 6830-NY-F4).....	1,272.46 73.48
28 46 13 31-0205	EA	Four State Remote Telephone Warden Station - Surface, Armored Cord (EST3 6830-NY-S4)	709.72 73.48
28 46 13 31-0206	EA	Remote Telephone Warden Station - Flush, Armored Cord (EST3 6830-NY-F).....	507.07 73.48
28 46 13 31-0207	EA	Telephone Handset Assembly - Red c/w 60" Coiled Cord (EST3 6830-1)	365.79 73.48
28 46 13 31-0208	EA	Remote Telephone Handset Station - 4-State, Red, 5' Coiled Cord (EST3 6830-4)	684.50 73.48
28 46 13 31-0209	EA	Three State Telephone Handset Assembly - Red, 60" Coiled Cord, Push To Talk Button (EST3 6830-5A)	416.21 73.48
28 46 13 31-0210	EA	Remote Telephone Handset Station - 4-State, Red, 'Push To Talk' Button, 5' Coiled Cord (EST3 6830-5A-4)	773.81 73.48
28 46 13 31-0211	EA	Three State Telephone Handset Assembly - Red, 60" Armored Cord, Push To Talk Button (EST3 6830-6A).....	433.02 73.48
28 46 13 31-0212	EA	Remote Telephone Handset Station - 4-State, Red, 'Push To Talk' Button, 5' Armored Cable (EST3 6830-6A-4)	888.17 73.48
28 46 13 31-0213	EA	Portable Handset Receptacle, 1 Gang Stainless Steel Faceplate (EST3 6833-1).....	94.19 23.51
28 46 13 31-0214	EA	Portable Telephone Receptacle - 1-Gang, SS, 4-State (EST3 6833-4).....	108.82 23.51
28 46 13 31-0215	EA	Portable Telephone Handset - Black, Coiled Cord (EST3 6830-3)	157.29 23.51
28 46 13 31-0216	EA	Portable Telephone Handset - Red, Coiled Cord (EST3 6700-0061)	157.29 23.51
28 46 13 31-0217	EA	Frontplate - Flush Mount, Red Finish, Break Glass Type, With Two Keys (EST3 6831-1)	234.35 29.40
28 46 13 31-0218	EA	Frontplate - Flush Mount, Red Finish, Non-Break Glass Type With Two Keys (EST3 6831-2)	292.58 29.40
28 46 13 31-0219	EA	Frontplate - Surface Mount, Red Finish, Break Glass Type, With Two Keys (EST3 6831-3).....	205.23 29.40
28 46 13 31-0220	EA	Frontplate - Surface Mount, Red Finish, Non-Break Glass Type, With Two Keys (EST3 6831-4).....	196.67 29.40
28 46 13 31-0221	EA	Wallbox - Flush Or Surface Mount, Red Finish, 14" x 8-1/2" x 3-1/2" (EST3 6832-1).....	141.38 44.08
28 46 13 31-0222	EA	Portable Handset Storage Cabinet, Surface Mount, With Keylock, Red Finish (EST3 TCS-6).....	1,316.59 58.78
28 46 13 31-0223		Mass Notification EC Appliances (28 46 13 31-0135)	
28 46 13 31-0224	EA	G1 Wall, Strobe, White Housing, Alert Markings, Amber Lens (EST3 G1WA-VMA)	167.50 44.08
28 46 13 31-0225	EA	G1 Wall, Strobe, White Housing, Alert Markings, Clear Lens (EST3 G1WA-VMC)	161.45 44.08
28 46 13 31-0226	EA	G1 Wall, Strobe, White Housing, No Markings, Amber Lens (EST3 G1WN-VMA)	167.50 44.08
28 46 13 31-0227	EA	G1 Wall, Strobe, White Housing, No Markings, Clear Lens (EST3 G1WN-VMC)	161.45 44.08
28 46 13 31-0228	EA	G1 Wall, White Trim Ring, Alert Marking (EST3 G1WT-ALERT)	24.87 8.81
28 46 13 31-0229		Hazardous Location Devices (28 46 13 31-0002)	
28 46 13 31-0230		Detectors, Rate Compensation Heat, For Explosion/Weather/Moisture Proof And Ordinary Location (28 46 13 31-0229)	
28 46 13 31-0231	EA	Heat Detector, Rate Compensation, Interior Vertical Surface Mount FM And UL, 135 Degree F (EST3 302-135).....	146.76 44.08
28 46 13 31-0232	EA	Heat Detector, Rate Compensation, Interior Vertical Surface Mount FM And UL, 194 Degree F (EST3 302-194).....	146.76 44.08
28 46 13 31-0233	EA	Heat Detector - Rate Compensation, All-Weather Vertical Mounting, FM And UL, 135 Degree F (EST3 302-AW-135)	153.07 44.08
28 46 13 31-0234	EA	Heat Detector - Rate Compensation, All-Weather Vertical Mounting, FM And UL, 194 Degree F (EST3 302-AW-194)	153.07 44.08
28 46 13 31-0235	EA	Heat Detector, Rate Compensation, Explosion Proof Mounting, Interior Vertical Surface Mount FM And UL, 135 Degree F, Requires JALX-11 Or Equal (EST3 302-EPM-135)	211.42 44.08
28 46 13 31-0236	EA	Heat Detector, Rate Compensation, Explosion Proof Mounting, Interior Vertical Surface Mount FM And UL, 194 Degree F, Requires JALX-11 Or Equal (EST3 302-EPM-194)	211.42 44.08
28 46 13 31-0237	EA	Heat Detector, Rate Compensation, All-Weather Vertical, Box Mount (1/2" NPT), FM And UL, 135 Degree F, Requires STONCO27 Or Equal (EST3 302-ET-135).....	153.07 44.08
28 46 13 31-0238	EA	Heat Detector, Rate Compensation, All-Weather Vertical, Box Mount (1/2" NPT), FM And UL, 194 Degree F, Requires STONCO27 Or Equal (EST3 302-ET-194).....	153.07 44.08
28 46 13 31-0239		Hazardous Locations Fire Alarm Station (28 46 13 31-0229)	
28 46 13 31-0240	EA	Hazardous Location Fire Alarm Station (EST3 XAL53)	1,348.76 73.48
28 46 13 31-0241	EA	Explosion Proof, Weatherproof, Fire Alarm Station, Single Action, Cat 45 Key Reset, Terminal Connections, DPDT (EST3 MPSR1-D45WX-GE)	1,283.46 73.48
28 46 13 31-0242		Hazardous Location Strobes (28 46 13 31-0229)	
28 46 13 31-0243	EA	Explosion Proof Strobe (EST3 116DEXSTC-FJ)	2,014.96 44.08
28 46 13 31-0244	EA	Wall Bracket Mounting Elbow (EST3 116EX-B).....	375.05 14.70
28 46 13 31-0245	EA	Ceiling / Wall Mounting Module (EST3 116EX-C).....	490.90 17.64
28 46 13 31-0246	EA	Pendant Mounting Module (EST3 116EX-P)	359.49 17.64
28 46 13 31-0247		Hazardous Location Bells (28 46 13 31-0229)	
28 46 13 31-0248	EA	6" Hazardous Location Bells, 24 Volt DC (EST3 439DEX-6AW)	1,452.10 44.08
28 46 13 31-0249	EA	8" Hazardous Location Bells, 24 Volt DC (EST3 439DEX-8AW)	1,489.90 44.08
28 46 13 31-0250	EA	10" Hazardous Location Bells, 24 Volt DC (EST3 439DEX-10AW)	1,503.51 44.08
28 46 13 31-0251		Hazardous Location Horns (28 46 13 31-0229)	
28 46 13 31-0252	EA	Hazardous Location Horns (EST3 888D-N5).....	1,419.53 44.08
28 46 13 31-0253	EA	Explosion Proof Horn, Diode Polarized, 24 Volt DC (EST3 889D-AW).....	1,157.96 44.08
28 46 13 31-0254		Door Holders And Relays (28 46 13 31-0002)	

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
28 46 13 31-0255 Electromagnetic Door Holders (28 46 13 31-0254)				
28 46 13 31-0256	EA	24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Single, Floor Mount (EST3 1501-AQN5).....	248.15	44.08
28 46 13 31-0257	EA	24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Double, Floor Mount (EST3 1502-AQN5)	324.01	44.08
28 46 13 31-0258	EA	24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Flush, Wall Mount (EST3 1504-AQN5)	209.41	44.08
28 46 13 31-0259	EA	24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Flush, Wall Mount, Short Catch Plate (EST3 1505-AQN5)	209.41	44.08
28 46 13 31-0260	EA	24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Surface, Wall Mount (EST3 1508-AQN5).....	212.92	44.08
28 46 13 31-0261	EA	24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Completely Flush, Wall Mount (EST3 1509-AQN5)	216.25	44.08
28 46 13 31-0262 Control Relays, Multi-Voltage (28 46 13 31-0254)				
28 46 13 31-0263	EA	Single SPDT With LED, Adhesive Tape Mounting (EST3 PAM1)	50.19	8.81
28 46 13 31-0264 FireShield Plus (28 46 13 31-0002)				
28 46 13 31-0265 3 Zone System (28 46 13 31-0264)				
28 46 13 31-0266	EA	Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP302R)	1,325.12	352.71
28 46 13 31-0267	EA	Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP302RD)	1,938.11	470.28
28 46 13 31-0268	EA	Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP302G)	1,325.12	352.71
28 46 13 31-0269	EA	Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP302GD)	1,938.11	470.28
28 46 13 31-0270	EA	Semi-Flush Trim Kit For 3 Or 5 Zone Enclosures, Gray (EST3 F-TRIM35G)	94.77	14.70
28 46 13 31-0271	EA	Semi-Flush Trim Kit For 3 Or 5 Zone Enclosures, Red (EST3 F-TRIM35R).....	94.77	14.70
28 46 13 31-0272 5 Zone System (28 46 13 31-0264)				
28 46 13 31-0273	EA	Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP502R)	1,430.92	352.71
28 46 13 31-0274	EA	Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP502RD)	2,037.86	470.28
28 46 13 31-0275	EA	Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP502G)	1,430.92	352.71
28 46 13 31-0276	EA	Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP502GD)	2,037.86	470.28
28 46 13 31-0277	EA	Semi-Flush Trim Kit For 3 Or 5 Zone Enclosures, Gray (EST3 F-TRIM35G)	94.77	14.70
28 46 13 31-0278	EA	Semi-Flush Trim Kit For 3 Or 5 Zone Enclosures, Red (EST3 F-TRIM35R).....	94.77	14.70
28 46 13 31-0279 10 Zone System (28 46 13 31-0264)				
28 46 13 31-0280	EA	Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 17 Amp Hours Batteries (EST3 FSP1004R)	2,074.14	470.28
28 46 13 31-0281	EA	Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 17 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP1004RD)	2,687.14	587.85
28 46 13 31-0282	EA	Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 17 Amp Hours Batteries (EST3 FSP1004G)	2,028.80	470.28
28 46 13 31-0283	EA	Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 17 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP1004GD)	2,687.14	587.85
28 46 13 31-0284	EA	Semi-Flush Trim Kit For 10 Zone Enclosures, Gray (EST3 F-TRIM10G)	111.14	14.70
28 46 13 31-0285	EA	NAC Power Expansion Transformer, 120 Volt AC, Increases 10 Zone FACP NAC (EST3 F-XTR120)	202.72	29.40
28 46 13 31-0286 FireShield Plus Off Premise Communication Options (28 46 13 31-0264)				
28 46 13 31-0287	EA	F-Series Upload/Download DACT And Modem, Dual Line, With 2x16 LCD (EST3 F-DACT)	451.75	29.40
28 46 13 31-0288 FireShield Plus Remote LED Annunciators (28 46 13 31-0264)				
28 46 13 31-0289	EA	Remote System Indicator, Power, Alarm, Supervisory, Trouble And Ground Fault LED's With Local Buzzer, Single Gang, And White Trim Plate (EST3 FSRSI)	186.27	44.08
28 46 13 31-0290	EA	Remote Zone Indicator, Contains 5 Red LED's For Alarm Zone Indication, With Jumper Selectable Zone Settings, Single Gang, And White Trim Plate (EST3 FSRZI-A)	186.27	44.08
28 46 13 31-0291	EA	Remote Zone Indicator, Contains 5 Bi-Color LED's (Red/Yellow) For Alarm Or Supervisory Zone Indication, With Jumper Selectable Zone Settings, Single Gang, And White Trim Plate (EST3 FSRZI-SA).....	193.98	44.08
28 46 13 31-0292	EA	Remote Annunciator Trim Plate - 2 Gang - White (EST3 FSAT2)	37.30	8.81
28 46 13 31-0293	EA	Remote Annunciator Trim Plate - 3 Gang - White (EST3 FSAT3)	47.17	8.81
28 46 13 31-0294	EA	Remote Annunciator Trim Plate - 4 Gang - White (EST3 FSAT4)	70.87	8.81
28 46 13 31-0295 FireShield Plus Remote 10 Zone LED Annunciators (28 46 13 31-0264)				
28 46 13 31-0296	EA	Remote LED Annunciator, With Common System Indicators, 10 Zone Indicators, White Housing, Mounts To 4" Electrical Box, For Use With 10 Zone Panels Only (EST3 FSRA10).....	602.07	44.08
28 46 13 31-0297	EA	Remote LED Annunciator, With Common System Indicators, 10 Zone Indicators And Common Control Switches, White Housing, Mounts To 4" Electrical Box, For Use With 10 Zone Panels Only (EST3 FSRA10C).....	662.53	44.08
28 46 13 31-0298	EA	Single Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Gray (EST3 RA-ENC1).....	209.92	29.40

28 Electronic Safety and Security**28 40 Life Safety****28 46 Fire Detection and Alarm**
 MINOR
CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

28 46 13 31-0299		FireShield Plus Remote Relays And Interfaces (28 46 13 31-0264)	
28 46 13 31-0300	EA	Remote Relay Module, 5 Form C Contacts, Jumper Selectable Operation, With Mounting Track (EST3 FSRRM24).....	222.26 29.40
28 46 13 31-0301	EA	11" Snap Track Holds 2-4 RRM's, Used To Mount FSRRMs In MFC-A Or Other Listed Enclosure, MFC-A Will Hold Two FSRRM-11S (EST3 FSRRM-S11).....	90.96 17.64
28 46 13 31-0302	EA	Common Function Graphic Driver/Interface - 9 Relays And 5 Switch Inputs For Common System Indicators And Controls (EST3 FSUIM).....	358.04 29.40
28 46 13 31-0303		FireShield Plus Accessories (28 46 13 31-0264)	
28 46 13 31-0304	EA	Resistor Kit With 1-3.6K And 1-1.1K (46071-0409) (EST3 EOL3.6-1.1).....	20.37
28 46 13 31-0305	EA	4.7k UL End Of Line Resistor With FireShield Panels (EST3 EOL47PK7).....	12.10
28 46 13 31-0306		iO Series Fire Control Panels (28 46 13 31-0002)	
28 46 13 31-0307		Intelligent Analog Control Panels (28 46 13 31-0306)	
28 46 13 31-0308	EA	FACP, 1 Intelligent Loop Supporting 125 Detectors/125 Modules, 2nd Loop Optional, 4 Class B NAC's, 6.5 Amperes Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 18a/h Batteries, English (EST3 iO500G)	3,947.49 587.85
28 46 13 31-0309	EA	FACP, 1 Intelligent Loop Supporting 125 Detectors/125 Modules, 2nd Loop Optional, 4 Class B NAC's, 6.5 Amperes Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 18 Amp/hour Batteries, With Dual Line Dialer/Modem, English (EST3 iO500GD)	4,240.71 587.85
28 46 13 31-0310	EA	FACP, 1 Loop, 64 Intelligent Devices Max, 2 Class B NAC's, 4.25 Amperes Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 10 Amp/hour Batteries, English (EST3 iO64G).....	3,150.74 470.28
28 46 13 31-0311	EA	FACP, 1 Loop, 64 Intelligent Devices Max, 2 Class B NAC's, 4.25 Amperes Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 10 Amp/hour Batteries, With Dual Line Dialer/Modem, English (EST3 iO64GD).....	3,286.77 470.28
28 46 13 31-0312		Option Modules And Accessories For iO Series (28 46 13 31-0306)	
28 46 13 31-0313	EA	16 Zone LED Annunciator, 2 LED's Per Zone, Customizable Insert Labels, Left Side Mounting, Zones 1-16 (EST3 D16L-iO-1).....	390.47 44.08
28 46 13 31-0314	EA	16 Zone LED Annunciator, 2 LED's Per Zone, Customizable Insert Labels, Right Side Mounting, Zones 17-32, Requires D16L-iO-1 (EST3 D16L-iO-2).....	239.32 44.08
28 46 13 31-0315	EA	Serial Interface, RS232, 4 Terminal Connections For Supervised/Unsupervised Printers And Connection To PC's (EST3 SA-232)	239.32 44.08
28 46 13 31-0316	EA	Class A NAC Module, For 64 Point Systems Only, Mounts To Main Board (EST3 SA-CLA)	209.92 29.40
28 46 13 31-0317	EA	Dialer/Modem, Two Telephone Line Connections, RJ31, Mounts To Base Plate (EST3 SA-DACT)	440.00 23.51
28 46 13 31-0318	EA	Ethernet Port Interface, RJ45, Mounts To Base Plate (EST3 SA-ETH).....	802.75 23.51
28 46 13 31-0319	EA	Trim Kit For Semi-Flush Mounting 64 Point Systems (EST3 SA-TRIM1).....	92.88 14.70
28 46 13 31-0320	EA	Trim Kit For Semi-Flush Mounting 500 Point Systems (EST3 SA-TRIM2).....	107.99 14.70
28 46 13 31-0321	EA	Expansion Loop For iO500 Systems, 125 Detectors/125 Modules, Mounts On Main Board (EST3 XAL250)	1,477.86 58.78
28 46 13 31-0322		Remote Annunciators For iO Series (28 46 13 31-0306)	
28 46 13 31-0323	EA	Remote Annunciator, 80 Character LCD, Common System Indicators, Beige Housing, Mounts To 4" Box With Supplied Ring (EST3 RLCD)	806.10 44.08
28 46 13 31-0324	EA	Remote Annunciator, 80 Character LCD, Common System Indicators And Controls, Beige Housing, Mounts To 4" Box With Supplied Ring (EST3 RLCD-C)	843.90 44.08
28 46 13 31-0325		Remote Annunciator Accessories (28 46 13 31-0306)	
28 46 13 31-0326	EA	24 Expander Cable Assembly, With Cable And Hardware (EST3 730073)	89.86 14.70
28 46 13 31-0327	EA	12 Expander Cable (Cable Only) (EST3 7120313-01).....	59.63 14.70
28 46 13 31-0328	EA	24 Expander Cable (Cable Only) (EST3 7120313-02).....	82.29 14.70
28 46 13 31-0329	EA	Single Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Beige (EST3 RA-ENC1).....	239.32 44.08
28 46 13 31-0330	EA	Dual Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Beige (EST3 RA-ENC2).....	277.10 44.08
28 46 13 31-0331	EA	Three Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Beige (EST3 RA-ENC3).....	314.90 44.08
28 46 13 31-0332	EA	Blank Zone Card Insert For RLEDx Controllers (EST3 RA-LED16ZC)	59.63 14.70
28 46 13 31-0333	EA	Blank Zone Card Insert For RLED24x Controllers (EST3 RA-LED24ZC)	59.63 14.70
28 46 13 31-0334	EA	Remote Key Switch, Single Gang Mount, Provides Keyed Control To Enable/Disable Common Control Switches On Remote Annunciators (EST3 RKEY)	125.67 14.70
28 46 13 31-0335		System Accessories (28 46 13 31-0306)	
28 46 13 31-0336	EA	Battery Cabinet, 14" x 18.25" x 7.25" Free Standing Cabinet With Key Lock, Supports Up To 40 Amp Hours Batteries, Will Hold Up To Two 12 Volt DC, 24 Ampere Batteries (EST3 BC-1).....	444.33 58.78
28 46 13 31-0337	EA	Isolator Module - RS232, For Use With Short Haul Modems, VDU-3, CCA Series, CGP Series And FCOM-232, Requires 1/2 Size Cabinet Footprint (EST3 IOP3A)	1,971.96 470.28
28 46 13 31-0338		Conventional Initiating Devices (28 46 13 31-0002)	
28 46 13 31-0339		Detectors, Heat, Double Pole (28 46 13 31-0338)	
		Note: WARNING, Heat detectors are not Life Safety Devices, use for property protection only.	
28 46 13 31-0340	EA	Heat Detector, 135 Degree F Fixed Temperature (CF135-2)	169.63 44.08
28 46 13 31-0341	EA	Heat Detector, 200 Degree F Fixed Temperature (CF200-2)	169.63 44.08
28 46 13 31-0342	EA	Heat Detector, 135 Degree F ROR/Fixed Temperature (CR135-2).....	169.63 44.08
28 46 13 31-0343	EA	Heat Detector, 200 Degree F ROR/Fixed Temperature (CR200-2).....	169.63 44.08
28 46 13 31-0344		Detectors, Rate Compensation Heat, Accessories (28 46 13 31-0338)	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0345 EA Heat Detector, Rate Compensation, Adapter Plate For Mounting 302 And 302-AW To Any 3 Outlet Box Or 4" Octagon Outlet Box (GE AP-P)	101.22	44.08
28 46 13 31-0346 EA Explosion Proof Outlet Body With Cover, 1/2" Threaded Hubs On Back, Four Sides And Cover (GE JALX11)	294.11	23.51
28 46 13 31-0347 EA 4" Weatherproof, Octagon Back Box And Cover, 1/2" Threaded Hubs On Back, Four Sides And Cover (GE STONCO27)	88.23	29.40
28 46 13 31-0348 Detectors, Heat, Fire-Lite (28 46 13 31-0338) Note: WARNING, Heat detectors are not Life Safety Devices, use for property protection only.		
28 46 13 31-0349 EA Explosion Heat Detector, 135 Degree F Fixed Temperature, Rate-Anticipation Heat Detector, All-Weather Vertical Mounting (302-EPM-135)	158.00	44.08
28 46 13 31-0350 EA Explosion Heat Detector, 194 Degree F Fixed Temperature, Rate-Anticipation Heat Detector, All-Weather Vertical Mounting (302-EPM-194)	158.00	44.08
28 46 13 31-0351 Audio Notification Systems (Standalone Voice Evacuation) (28 46 13 31-0002)		
28 46 13 31-0352 Audio Notification Panels (28 46 13 31-0351)		
28 46 13 31-0353 EA Audio Notification Panel, 100 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS100MDG)	5,664.67	587.85
28 46 13 31-0354 EA Audio Notification Panel, 100 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS100MDR)	5,664.67	587.85
28 46 13 31-0355 EA Audio Notification Panel, 25 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS25MDG)	4,198.58	587.85
28 46 13 31-0356 EA Audio Notification Panel, 25 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS25MDR)	4,198.58	587.85
28 46 13 31-0357 EA Audio Notification Panel, 50 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS50MDG)	4,924.06	587.85
28 46 13 31-0358 EA Audio Notification Panel, 50 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS50MDR)	4,924.06	587.85
28 46 13 31-0359 Audio Notification Expander Panels (28 46 13 31-0351)		
28 46 13 31-0360 EA Audio Expander Panel, 100W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS100XG)	4,319.49	587.85
28 46 13 31-0361 EA Audio Expander Panel, 100W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS100XR)	4,319.49	587.85
28 46 13 31-0362 EA Audio Expander Panel, 25 Watt Without DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS25XG)	2,898.74	587.85
28 46 13 31-0363 EA Audio Expander Panel, 25 Watt Without DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS25XR)	2,898.74	587.85
28 46 13 31-0364 EA Audio Expander Panel, 50W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS50XG)	3,730.03	587.85
28 46 13 31-0365 EA Audio Expander Panel, 50W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS50XR)	3,730.03	587.85
28 46 13 31-0366 Audio Notification Output Accessories (28 46 13 31-0351)		
28 46 13 31-0367 EA Zone Adapter, 1 Circuit To 2 Circuit's (GE ANSZC2B)	165.43	14.70
28 46 13 31-0368 EA Zone Splitter, 2 Class A Circuits With Zone Selection Switches And All-Call Switch (GE ANSZS2A)	738.93	29.40
28 46 13 31-0369 EA Zone Splitter, 4 Class B Circuits With Zone Selection Switches And All-Call Switch (GE ANSZS4B)	738.93	29.40
28 46 13 31-0370 EA Class A Converter (GE ANSZSC4A)	527.33	29.40
28 46 13 31-0371 Audio Notification Remote Microphone (28 46 13 31-0351)		
28 46 13 31-0372 EA Microphone (GE ANSMIKE)	194.81	29.40
28 46 13 31-0373 EA Remote Microphone, Supervised In Surface/Semi-Flush Gray Cabinet, Requires EVX-SC Card In Evacuation Panel (GE ANSREMG)	814.50	29.40
28 46 13 31-0374 EA Remote Microphone, Supervised In Surface/Semi-Flush Red Cabinet, Requires EVX-SC Card In Evacuation Panel (GE ANSREMR)	814.50	29.40
28 46 13 31-0375 EA Remote Microphone Supervisory Card, One Per System, Supervises Up To 5 Remote Microphones (GE ANSREMSUP)	180.54	14.70
28 46 13 31-0376 EA Relay Card For Supervision/Zone Splitter To Remote Microphone (GE ANSZSR)	97.40	14.70
28 46 13 31-0377 Audio Notification Accessories (28 46 13 31-0351)		
28 46 13 31-0378 EA Audio Matching - Line Input/Output Card (GE ANSAUX)	330.84	29.40
28 46 13 31-0379 EA Class B Backup Amplifier Switching Module (GE ANSBKUP)	330.84	29.40
28 46 13 31-0380 EA Class A Backup Amplifier Switching Module (GE ANSBKUPA)	330.84	29.40
28 46 13 31-0381 EA Eight Input Remote Serial Interface Module, Accepts Dry Contact Interface To Control Up To 8 Messages, Message Recording Included With Module, For Industrial Signaling Only, Not UL Listed For Fire Alarm / Life Safety Applications (GE ANSRSI8)	738.93	29.40
28 46 13 31-0382 Audio Notification Modules, Without Cabinet And Transformer (28 46 13 31-0351)		
28 46 13 31-0383 EA 100W Expander Module (No Microphone OR DMR), Requires Transformer Ordered Separately (GE ANS100A)	2,702.13	58.78
Note: Excludes cabinet.		
28 46 13 31-0384 EA 100W Expander Module With Microphone (No DMR), Requires Transformer Ordered Separately (GE ANS100AM)	2,838.16	58.78
Note: Excludes cabinet.		
28 46 13 31-0385 EA 100W Audio Notification Module With DMR And Microphone, Requires Transformer Ordered Separately (GE ANS100AMD)	3,926.39	58.78
Note: Excludes cabinet.		
28 46 13 31-0386 EA 25 Watt Expander Module (No Microphone Or DMR), Requires Transformer Ordered Separately (GE ANS25A)	1,477.86	58.78
Note: Excludes cabinet.		

28	28	Electronic Safety and Security
	28 40	Life Safety
	28 46	Fire Detection and Alarm

MINOR		DESCRIPTION	TOTAL DIRECT		DEMOLITION
CSI	UOM		UNIT COST	UNIT COST	
28 46 13 31-0387	EA	25 Watt Expander Module With Microphone (No DMR), Requires Transformer (GE ANS25AM)..... Note: Excludes cabinet.	1,477.86		58.78
28 46 13 31-0388	EA	25 Watt Audio Notification Module With DMR And Microphone, Requires Transformer Ordered Separately (GE ANS25AMD)	2,702.13		58.78
28 46 13 31-0389	EA	50W Expander Module (No Microphone Or DMR) (GE ANS50A) Note: Excludes cabinet.	2,158.01		58.78
28 46 13 31-0390	EA	50W Expander Module With Microphone (No DMR) (GE ANS50AM)	2,294.04		58.78
28 46 13 31-0391	EA	50W Audio Notification Module With DMR And Microphone (GE ANS50AMD)..... Note: Excludes cabinet.	3,382.27		58.78
28 46 13 31-0392	EA	Power Transformer, Open Frame, 28 Volt AC At 180 VA (EVAX 50/100) (GE ANST28180)	165.43		14.70
28 46 13 31-0393	EA	Power Transformer, Open Frame, 28 Volt AC At 100 VA (EVAX 25) (GE ANST2885)	121.66		14.70
28 46 13 31-0394 Simplex Fire Alarm (28 46 13 31)					
28 46 13 31-0395 4100 Fire Alarm Control Panel (28 46 13 31-0394)					
28 46 13 31-0396	EA	4100U Master Controller Assembly With LCD And Operator Interface, 9 Amperes System Power Supply/Battery Charger (SPS), 250 Point IDNet Interface, 3 NACS, Auxiliary Relay And External RUI Communications Interface, 120 Volt AC Input (Simplex 4100-9111)	6,929.82		586.86
28 46 13 31-0397	EA	4100ES NDU With Master Controller, LCD And Operator Interface, Network Interface Module (Select Media Card Separately), 9 Amperes System Power Supply/Battery Charger, And External RUI Communications Interface (Power Supply/Battery Charger Is An SPS With Its IDNet Channel And NACs Disabled), 120 Volt AC Input (Simplex 4100-9141)	7,586.24		586.86
28 46 13 31-0398	EA	4100ES NDU With VCC Includes The First Bay Equipment Described For The NDU And A Second Bay Assembly With Separate: Master Controller For Voice Functions, Network Interface (Select Media Card Separately), And A Standard SPS With 250 Point IDNet Channel; And 3, 3 A Class A/B NACs Capable Of SmartSync Two-Wire Operation, 120 V Input (Simplex 4100-9142)	11,024.22		586.86
28 46 13 31-0399	EA	Up To 127 Points, IDNet Module, (Simplex 4100-3104)	4,350.24		586.86
		Note: Add-on module.			
28 46 13 31-0400	EA	Up To 64 Points, IDNet Module, (Simplex 4100-3105)	3,349.16		586.86
		Note: Add-on module.			
28 46 13 31-0401	EA	Expansion Power Supply, 3 NACs, 120 Volt AC (Simplex 4100-5101)	2,257.95		146.71
		Note: Add-on module.			
28 46 13 31-0402	EA	Alarm Relay, 3 Form C Relays, 2 Amperes At 32 Volt DC, For SPS Or RPS (Simplex 4100-6033).....	472.62		29.35
		Note: Add-on module.			
28 46 13 31-0403	EA	Dual Port RS-232 Interface Card (Simplex 4100-6038)	1,368.38		29.35
		Note: Add-on module.			
28 46 13 31-0404 4100U Back Box (28 46 13 31-0394)					
28 46 13 31-0405	EA	2 Bay Back Box With Glass Door And Dress Panel (Simplex 2975-9425)..... Note: 24" x 40" beige backbox.	2,358.72		117.37
28 46 13 31-0406	EA	3 Bay Back Box With Glass Door And Dress Panel (Simplex 2975-9443)..... Note: 24" x 56" beige backbox.	3,332.64		117.37
28 46 13 31-0407 DACT (Digital Alarm Communicator Transmitter) (28 46 13 31-0394)					
28 46 13 31-0408	EA	6 Zone Fire Control Communicator (Silent Knight SK-5104)	1,292.69		58.68
28 46 13 31-0409 4010 Fire Alarm Control Panel (28 46 13 31-0394)					
28 46 13 31-0410	EA	120 Volt AC Fire Alarm Control Panel With Door, Cabinet, Power Supply/Battery Charger, IDNet Interface, 4 NACs, 2 Programmable Auxiliary Relays, External N2 Communications Interface, And Internal Common Event Reporting DACT (Simplex 4010-9101)	6,527.41		586.86
28 46 13 31-0411	EA	240 Volt AC Fire Alarm Control Panel With Door, Cabinet, Power Supply/Battery Charger, IDNet Interface, 4 NACs, 2 Programmable Auxiliary Relays, And External N2 Communications Interface (Simplex 4010-9201).....	6,327.80		586.86
28 46 13 31-0412	EA	Dual Circuit Class A NAC Adapter Module (Simplex 4010-9806)	239.94		29.35
28 46 13 31-0413	EA	Dual RS-232 Interface Module Expansion Slot Option (Simplex 4010-9811)	1,064.43		29.35
28 46 13 31-0414	EA	Single RS-232 Interface Module With Service Modem Connection Expansion Slot Option (Simplex 4010-9812).....	1,466.02		29.35
28 46 13 31-0415	EA	120 Volt AC, 4 Amperes, Expansion Power Supply Expansion Module (Simplex 4010-9813)	749.92		29.35
28 46 13 31-0416	EA	240 Volt AC, 4 Amperes, Expansion Power Supply Expansion Module (Simplex 4010-9823)	812.09		29.35
28 46 13 31-0417	EA	Battery Meter Module Expansion Module (Simplex 4010-9820)	300.34		29.35
28 46 13 31-0418 Printer (28 46 13 31-0394)					
28 46 13 31-0419	EA	24 Pin Dot Matrix Printer (Simplex 4190-9013).....	2,365.29		29.35
28 46 13 31-0420 NAC Panel / Power Booster (28 46 13 31-0394)					
28 46 13 31-0421	EA	120 Volt AC, IDNet NAC Extender With 4, Class B (Style Y) NACs And 8 Amperes Power Supply (Simplex 4009-9201)	1,499.54		146.71
		Note: Power supply for horns and strobes.			
28 46 13 31-0422 Battery (28 46 13 31-0394)					
28 46 13 31-0423	EA	50 Ampere Hours Sealed Lead Acid Battery (Simplex 2081-9296)	952.38		29.35
		Note: Two required for 24 volt DC.			
28 46 13 31-0424	EA	33 Ampere Hours Sealed Lead Acid Battery (Simplex 2081-9276)	630.32		29.35
		Note: Two required for 24 volt DC.			
28 46 13 31-0425	EA	6.2 Ampere Hours Sealed Lead Acid Battery (Simplex 2081-9272)	222.40		29.35
		Note: Two required for 24 volt DC.			
28 46 13 31-0426 Interface Modules (28 46 13 31-0394)					

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0427	EA		Supervised Individual Addressable Modules (Simplex 4090-9001)..... Note: Monitor modules for waterflow / tamper, etc.	178.14	29.35
28 46 13 31-0428	EA		Relay Individual Addressable Modules (Simplex 4090-9002)..... Note: Control modules for gas shutdown, door holders, etc.	376.93	29.35
28 46 13 31-0429	EA		Relay SPDT With LED MR-801/T (Simplex 2088-9032)..... Note: Interface relay for 120VAC	84.48	29.35
28 46 13 31-0430	EA		SmartSync™ Adapter Module For Non-Addressable Notification Appliance Circuits (NACs) (Simplex 4905-9815)	180.33	29.35
28 46 13 31-0431	EA		Surface Mount Cover Plate For SmartSync Adapter Module (Simplex 4905-9817).....	79.85	14.67
28 46 13 31-0432	EA		Flush Mount Cover Plate For SmartSync Adapter Module (Simplex 4905-9818).....	75.65	14.67
28 46 13 31-0433 Pull Stations (28 46 13 31-0394)					
28 46 13 31-0434	EA		Addressable Single Action Manual Pull Station (Simplex 4099-9001).....	220.78	29.35
28 46 13 31-0435	EA		N.O. Contacts, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9101).....	155.50	29.35
28 46 13 31-0436	EA		N.C. Contacts, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9102).....	168.11	29.35
28 46 13 31-0437	EA		Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9103).....	149.81	29.35
28 46 13 31-0438	EA		N.O. Contacts, Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9104).....	176.54	29.35
28 46 13 31-0439	EA		N.C. Contacts, Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9105).....	272.59	29.35
28 46 13 31-0440	EA		Single Action, Pre-Signal, N.O. Contacts, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9107).....	227.04	29.35
28 46 13 31-0441	EA		Break-Glass, Pre-Signal, N.O. Contacts, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9108).....	269.14	29.35
28 46 13 31-0442	EA		Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9754)	120.42	29.35
28 46 13 31-0443	EA		Local Alarm Cover, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9755).....	128.12	29.35
28 46 13 31-0444	EA		Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9756).....	152.93	29.35
28 46 13 31-0445	EA		N.C. Contacts, Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9758)	243.09	29.35
28 46 13 31-0446	EA		Pre-Signal, N.O. Contacts, Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9759).....	427.48	29.35
28 46 13 31-0447	EA		Institutional Cover, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9762).....	134.45	29.35
28 46 13 31-0448	EA		Surface Mount Steel Box For Manual Pull Station (Simplex 2975-9178).....	84.08	14.67
28 46 13 31-0449 Weatherproof Pull Stations (28 46 13 31-0394)					
28 46 13 31-0450	EA		Weather Proof Single Action Pull Station, Cast Metal, B Lock, SPST (Simplex 2099-9138)	213.56	35.21
28 46 13 31-0451	EA		Surface Mount Cast Aluminum Box For Exterior Pull Station (Simplex 2975-9211).....	140.00	14.67
28 46 13 31-0452 Heat / Smoke Sensor (28 46 13 31-0394)					
28 46 13 31-0453	EA		32 To 122 Degree F Heat Sensor (Simplex 4098-9733).....	212.02	44.01
28 46 13 31-0454	EA		Photoelectric Smoke Sensor (Simplex 4098-9714)	315.35	44.01
28 46 13 31-0455	EA		Sensor Base With Relay Driver (Simplex 4098-9791)	637.50	14.67
28 46 13 31-0456	EA		Standard Sensor Base (Simplex 4098-9792)	321.64	14.67
28 46 13 31-0457	EA		Remote Supervised Relay Accessory For Sensor Base With Relay Driver (Simplex 2098-9737)..... Note: Relay for 4098-9791	178.91	29.35
28 46 13 31-0458 Explosion Proof Heat Detector (28 46 13 31-0394)					
28 46 13 31-0459	EA		135 Degree F Explosion Proof Heat Detector (Simplex 2098-9488).....	225.24	44.01
28 46 13 31-0460	EA		Explosion Proof Back Box (Killark JLX-21)	151.44	14.67
28 46 13 31-0461	EA		Explosion Proof Back Box Plugs (Killark CUP-2).....	13.33	2.94
28 46 13 31-0462 Weatherproof Heat Detector (28 46 13 31-0394)					
28 46 13 31-0463	EA		194 Degree F Fixed Hardwired Weatherproof Heat Detector (Simplex 2098-9490).....	158.85	44.01
28 46 13 31-0464 200 Degree F Heat Detector (28 46 13 31-0394)					
28 46 13 31-0465	EA		194 Degree F Heat Detector, ROR/Fixed Temperature (Simplex 5604)..... Note: Used in kiln rooms and kitchens.	129.17	44.01
28 46 13 31-0466 Duct Smoke Sensor (28 46 13 31-0394)					
28 46 13 31-0467	EA		Duct Sensor Housing (Simplex 4098-9755).....	511.72	23.47
28 46 13 31-0468	EA		Duct Sensor Housing With Supervised Output For Multiple Remote Relays, 4-Wire (Simplex 4098-9756)	683.31	52.82
28 46 13 31-0469	EA		Note: Relay output for AHU shutdown. 46" To 71" Duct Sampling Tube (Simplex 2098-9798)	73.26	14.67
28 46 13 31-0470	EA		Note: 25", 49", 73" or 97" sampling tube length. Remote Duct Test Station With Key Switch And Red LED Status Indicator (Simplex 2098-9806)	171.37	44.01
28 46 13 31-0471 Interior Horn (28 46 13 31-0394)					
28 46 13 31-0472	EA		Red With White FIRE Lettering, TrueAlert Addressable Electronic Horn (Simplex 4901-9850).....	157.56	44.01
28 46 13 31-0473	EA		White With Red FIRE Lettering, TrueAlert Addressable Electronic Horn (Simplex 4901-9853).....	157.56	44.01
28 46 13 31-0474 Interior Horn Strobe (28 46 13 31-0394)					
28 46 13 31-0475	EA		75Cd, Wall Mounted Horn Strobe, Red (Simplex 4903-9426)	223.22	44.01
28 46 13 31-0476	EA		110Cd, Wall Mounted Horn Strobe, Red (Simplex 4903-9427)	223.22	44.01
28 46 13 31-0477	EA		Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9127)	208.24	44.01
28 46 13 31-0478	EA		Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9128)	208.24	44.01

28 Electronic Safety and Security**28 40 Life Safety****28 46 Fire Detection and Alarm**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

28 46 13 31-0479	EA	Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9129).....	208.24	44.01
28 46 13 31-0480	EA	Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9130).....	208.24	44.01
28 46 13 31-0481	EA	Weatherproof, Red Housing, White Lettering, Horn And Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9131).....	213.26	44.01
28 46 13 31-0482	EA	Weatherproof, White Housing, Red Lettering, Horn And Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9132).....	213.26	44.01
28 46 13 31-0483	EA	Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9139).....	222.09	44.01
28 46 13 31-0484	EA	Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9140).....	218.02	44.01
28 46 13 31-0485	EA	Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9141).....	222.09	44.01
28 46 13 31-0486	EA	Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9142).....	218.02	44.01
28 46 13 31-0487	EA	Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9227).....	208.24	44.01
28 46 13 31-0488	EA	Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9228).....	208.24	44.01
28 46 13 31-0489	EA	Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9229).....	208.24	44.01
28 46 13 31-0490	EA	Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9230).....	208.24	44.01

28 46 13 31-0491 Interior Strobe (28 46 13 31-0394)

28 46 13 31-0492	EA	Wall Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9101).....	176.42	44.01
28 46 13 31-0493	EA	Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9102).....	176.42	44.01
28 46 13 31-0494	EA	Wall Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9103).....	176.35	44.01
28 46 13 31-0495	EA	Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9104).....	176.42	44.01
28 46 13 31-0496	EA	Weatherproof, Red Housing, White Lettering, Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9105).....	195.45	44.01
28 46 13 31-0497	EA	Weatherproof, White Housing, Red Lettering, Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9106).....	195.45	44.01
28 46 13 31-0498	EA	Wall Mount, Red Housing, White Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9109).....	196.67	44.01
28 46 13 31-0499	EA	Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9110).....	199.99	44.01
28 46 13 31-0500	EA	Wall Mount, White Housing, Red Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9111).....	199.99	44.01
28 46 13 31-0501	EA	Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9112).....	199.99	44.01
28 46 13 31-0502	EA	Wall Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9201).....	176.42	44.01
28 46 13 31-0503	EA	Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9202).....	176.42	44.01
28 46 13 31-0504	EA	Wall Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9203).....	176.42	44.01
28 46 13 31-0505	EA	Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9204).....	176.42	44.01

28 46 13 31-0506 Interior Speakers (28 46 13 31-0394)

28 46 13 31-0507	EA	Red With White FIRE Lettering, Wall Mount Speaker, Rectangular Housing (Simplex 4902-9716).....	141.45	44.01
28 46 13 31-0508	EA	White With Red FIRE Lettering, Wall Mount Speaker, Rectangular Housing (Simplex 4902-9717).....	141.45	44.01
28 46 13 31-0509	EA	Ceiling Or Wall Mount, Round Housing Speaker (Simplex 4902-9721).....	141.45	44.01

28 46 13 31-0510 Interior Speaker Strobe (28 46 13 31-0394)

28 46 13 31-0511	EA	Red Housing, White Lettering, Multi-Tapped Speaker And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9151).....	238.05	44.01
28 46 13 31-0512	EA	White Housing, Red Lettering, Multi-Tapped Speaker And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9153).....	238.05	44.01

28 46 13 31-0513 Surge Suppressors (28 46 13 31-0394)

28 46 13 31-0514	EA	Overvoltage Suppressor (Simplex 2081-9044).....	159.31	8.80
28 46 13 31-0515	EA	Isolated Loop Circuit Protector (Simplex 2081-9028).....	101.00	8.80
28 46 13 31-0516	EA	120 Volt AC, 20 Amperes, Multi Stage Hybrid Surge Protector With EMI/RFI Filtering (Ditek 120S20A).....	344.08	8.80
28 46 13 31-0517	EA	24 Volt AC, Data And Loop Circuit Surge Protector (Ditek DTK-2MHLP24B).....	116.02	8.80
28 46 13 31-0518	EA	Mounting Base For Two DTK-2MHLP (Ditek DTK-2MB).....	174.45	14.67
28 46 13 31-0519	EA	120 Volt AC, 22,500 Amperes, Equipment Panel/Dedicated Circuit Surge Protector (Ditek DTK-120HW).....	119.00	8.80
28 46 13 31-0520	EA	<105 Volt AC, 9,000 Amperes, RJ31 Connection, Alarm Dialer Surge Protection (Ditek DTK-MRJ31SCWP).....	88.95	8.80

28 46 13 31-0521 Boxes And Adapters (28 46 13 31-0394)

28 46 13 31-0522	EA	Semi-Flush Mount Modular Adapter Using Standard 4" Square Electrical Box (Simplex 4905-9921).....	75.65	14.67
28 46 13 31-0523	EA	Surface Mount Modular Adapter Using Simplex Box (Simplex 4905-9925).....	71.44	14.67
28 46 13 31-0524	EA	Red, Surface Mount Adapter Skirt (Simplex 4905-9937).....	63.19	14.67
28 46 13 31-0525	EA	White, Surface Mount Adapter Skirt (Simplex 4905-9940).....	51.48	14.67

MINOR		CSI UOM DESCRIPTION		TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
28 46 13 31-0526		Accessories (28 46 13 31-0394)			
28 46 13 31-0527	EA	End-Of-Line Resistor Harness, 10 k Ohms, 1/2 Watt, Two Required, One Each For Audible And Visible Output (Simplex 4081-9008)		34.24	14.67
28 46 13 31-0528		Single Initiating Device (Renovation) Added To Existing Simplex Panel (28 46 13 31-0394)			
28 46 13 31-0529	EA	Relocate A Single Device		595.42	
		Note: Includes installation, wire and pre-test.			
28 46 13 31-0530	EA	Relocate Up To 4 Devices		3,960.39	
		Note: Includes installation, wire, pre-test, tech program with test, final test with SFM, design/CAD/SFM stamped drawings, updating the campus CAD, headend and project management			
28 46 13 31-0531	EA	Relocate 5 To 8 Devices		5,093.12	
		Note: Includes installation, wire, pre-test, tech program with test, final test with SFM, design/CAD/SFM stamped drawings, updating the campus CAD, headend and project management			
28 46 13 31-0532	EA	Additional NAC Panel		4,633.30	
		Note: Includes installation, wire, pre-test, tech program with test, final test with SFM, design/CAD/SFM stamped drawings, updating the campus CAD, headend and project management			
28 46 13 31-0533		Siemens Fire Alarm (28 46 13 31)			
28 46 13 31-0534		Conventional Control Panels (28 46 13 31-0533)			
28 46 13 31-0535		SXL Batteries And Power Supplies (28 46 13 31-0534)			
28 46 13 31-0536	EA	6 Amperes Notification Appliance Circuit Expander With Built-In Auxiliary Power Output (Siemens PAD-3)		1,350.70	58.68
28 46 13 31-0537	EA	Main Board Only For PAD-3 (Siemens PAD-3-MB)		1,084.69	58.68
28 46 13 31-0538		Digital Fire Communicators (28 46 13 31-0534)			
28 46 13 31-0539	EA	Four Channel Digital Slave Fire Communicator (Siemens 5129)		1,049.62	58.68
28 46 13 31-0540		Addressable Control Panels (28 46 13 31-0533)			
28 46 13 31-0541		Fireseeker Equipment (28 46 13 31-0540)			
28 46 13 31-0542		FS-250 System Panels (28 46 13 31-0541)			
28 46 13 31-0543	EA	FS-250 Electronics Package Including One FS-250-CON And Two FS-NPE, Excludes Enclosure (Siemens FS-250-EKIT)		3,127.71	586.86
		Note: FS-250-CON is an electronics package for releasing water or agent. FS-NPE is a system transformer.			
28 46 13 31-0544	EA	FS-250 Electronics Package Including One FS-250-CON, Two FS-NPE, One FS-RPT And One FS-REL, Excludes Enclosure (Siemens FS-250-REL-EKIT)		3,940.26	586.86
		Note: FS-250-CON is an electronics package for releasing water or agent. FS-NPE is a system transformer. FS-RPT is a releasing power transformer. FS-REL is a Releasing Module.			
28 46 13 31-0545	EA	FS-250-SRX Releasing Electronics Package Including One FS-250-CON2-SRX, Two FS-NPE, One FS-RPT And One FS-REL, Excludes Enclosure (Siemens FS-250-SRX-EKIT)		2,317.40	469.49
		Note: FS-250-CON2-SRX is an electronics package for releasing water or agent. FS-NPE is a system transformer. FS-RPT is a releasing power transformer. FS-REL is a Releasing Module.			
28 46 13 31-0546	EA	Electronics Package For Releasing Water Or Agent (Siemens FS-250-CON)		3,132.54	586.86
28 46 13 31-0547		FS-250 Optional Modules (28 46 13 31-0541)			
28 46 13 31-0548	EA	Main Board Module (Siemens FS-MB2)		1,360.38	58.68
28 46 13 31-0549	EA	Display Board Module (Siemens FS-DB2)		1,064.69	29.35
28 46 13 31-0550	EA	Device Loop Card (Siemens FS-DLC)		871.23	29.35
28 46 13 31-0551	EA	Releasing Module (Siemens FS-REL)		382.73	29.35
28 46 13 31-0552	EA	Remote LCD Annunciator (Siemens FS-RD2)		865.18	29.35
28 46 13 31-0553	EA	Relay Processor Card (Siemens FS-RU2)		750.31	29.35
28 46 13 31-0554	EA	Relay Expander Board (Siemens FS-RE8)		639.07	29.35
28 46 13 31-0555	EA	Serial Annunciator Processor Card (Siemens FS-SAU2)		865.18	29.35
28 46 13 31-0556	EA	16 Output Annunciator Extender (Siemens FS-SAE16)		672.93	29.35
28 46 13 31-0557	EA	Digital Alarm Communication Transmitter (Siemens FS-DACT)		611.26	29.35
28 46 13 31-0558	EA	Municipal Tie Module (Siemens FS-MT)		518.16	29.35
28 46 13 31-0559	EA	Configuration Tool Including Laptop To FS-250 Cable And Software (Siemens FS-CT2)		464.40	
28 46 13 31-0560	EA	Programming Cable Kit (Siemens CBL-UD)		122.45	14.67
28 46 13 31-0561	EA	Notification Appliance Circuit Power Expander Transformer (Siemens FS-NPE)		219.50	29.35
28 46 13 31-0562	EA	Releasing Power Transformer (Siemens FS-RPT-A)		223.12	29.35
28 46 13 31-0563	EA	Surface Mounted Box For Remote LCD Annunciator (Siemens FS-RD-SB)		254.92	23.47
28 46 13 31-0564	EA	Cabinet Trim Kit (Siemens RD-CAB-TK)		421.11	14.67
28 46 13 31-0565		Firefinder Systems (28 46 13 31-0540)			
28 46 13 31-0566		XLS Basic Fire System Packages Without Back Box (28 46 13 31-0565)			
28 46 13 31-0567	EA	500 Point Firefinder Package Including Two DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-500-ID-SP)		11,238.33	586.86
		Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.			
28 46 13 31-0568	EA	250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-250-ID-SP)		9,857.48	586.86
		Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.			

28 Electronic Safety and Security**28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

28 46 13 31-0569	EA	250 Point Firefinder Package Including One DLC, One PMI-INT, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-250-INT-ID-SP).....	9,857.48	586.86
Note: DLC is a device loop card. PMI-INT is a person machine interface with multilingual overlays. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.				
28 46 13 31-0570	EA	250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12, One CAB2-BD And One OD-LP (Siemens XLS-250-CAB2-BD).....	16,720.62	586.86
Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. CAB2-BD is a two row inner and outer door set. OD-LP is an outer door clear plastic lens plate.				
28 46 13 31-0571	EA	250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12, One CAB3-BD, One BCL, One ID-SP And One OD-LP (Siemens XLS-250-CAB3-BD).....	17,293.75	586.86
Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. CAB3-BD is a three row inner and outer door set. ID-SP is an inner door blank single plate. OD-LP is an outer door clear plastic lens plate.				
28 46 13 31-0572	EA	250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC4A-EP).....	9,718.43	586.86
Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.				
28 46 13 31-0573	EA	250 Point Firefinder Package Including One DLC, One PMI-INT, One ZIC-4A, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC4A-INT-EP).....	9,718.43	586.86
Note: DLC is a device loop card. PMI-INT is a person machine interface with multilingual overlays. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.				
28 46 13 31-0574	EA	250 Point Firefinder Package Including One DLC, One PMI, One ZIC-8B, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC8B-EP).....	11,333.85	586.86
Note: DLC is a device loop card. PMI is a person machine interface. ZIC-8B is an eight circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.				

28 46 13 31-0575 Firefinder - XLS Basic System Equipment (28 46 13 31-0565)

28 46 13 31-0576	EA	Person Machine Interface With Central Processor (Siemens PMI).....	5,203.82	586.86
Note: Includes inner door.				
28 46 13 31-0577	EA	Person Machine Interface With Central Processor, DE-2 And DPU (Siemens PMI-DPU-ENC).....	8,772.02	586.86
Note: Includes inner door.				
28 46 13 31-0578	EA	Person Machine Interface With Multilingual Overlays And Central Processor (Siemens PMI-INT).....	5,203.82	586.86
Note: Includes inner door.				
28 46 13 31-0579	EA	Two Slot Card Cage (Siemens CC-2).....	658.42	29.35
28 46 13 31-0580	EA	Five Slot Card Cage (Siemens CC-5).....	1,119.10	29.35
28 46 13 31-0581	EA	Four Circuit Zone Indicating Card (Siemens ZIC-4A).....	1,602.76	29.35
28 46 13 31-0582	EA	Eight Circuit Zone Indicating Card (Siemens ZIC-8B).....	1,674.10	29.35
28 46 13 31-0583	EA	Two Channel Adapter Card For ZIC-8B (Siemens ZIC-2C).....	522.99	29.35
28 46 13 31-0584	EA	Device Loop Card (Siemens DLC).....	1,901.42	29.35
Note: Interfaces with up to 252 detectors and devices.				
28 46 13 31-0585	EA	Controllable Relay Card (Siemens CRC-6).....	1,073.16	29.35
Note: Provides six programmable relays.				
28 46 13 31-0586	EA	12 Amperes Power Supply Charger Module (Siemens PSC-12).....	4,088.78	29.35
28 46 13 31-0587	EA	Person Machine Interface With Central Processor And GPMI-UK Software Upgrade Kit (Siemens GPMI).....	6,816.82	586.86
Note: Software kit provides interface with multiple FireFinder XLS and MXL systems.				
28 46 13 31-0588	EA	Network Interface Card (Siemens NIC-C).....	1,256.95	29.35
Note: Provides HNET Or XNET communication between enclosures.				
28 46 13 31-0589	EA	12 Amperes Power Supply Extender (Siemens PSX-12).....	3,399.56	29.35
Note: Extends PSC-12 with an additional 24 volt DC.				
28 46 13 31-0590	EA	Power Termination Board (Siemens PTB).....	566.52	29.35
Note: Used with systems requiring more than one PSX-12.				
28 46 13 31-0591	EA	Conventional Detector Card (Siemens CDC-4).....	1,211.00	29.35
28 46 13 31-0592	EA	Multi-Mode Network Fiber Optic Interface Module (Siemens D2300CPS).....	2,380.25	29.35
28 46 13 31-0593	EA	Single-Mode Network Fiber Optic Interface Module (Siemens D2325CPS).....	8,580.77	29.35

28 46 13 31-0594 Remote Lobby Enclosure (28 46 13 31-0565)

28 46 13 31-0595	EA	14-1/2" x 18-1/2" x 5" Two Module Remote Enclosure (Siemens REMBOX2).....	1,549.10	117.37
Note: Flush mounted. Includes clear lens plate on cover.				
28 46 13 31-0596	EA	24" x 18-1/2" x 5" Four Module Remote Enclosure (Siemens REMBOX4).....	2,008.57	117.37
Note: Flush mounted. Includes clear lens plate on cover.				
28 46 13 31-0597	EA	Optional Mounting Plate For REMBOX2 (Siemens REMBOX2-MP).....	243.68	29.35
Note: Required to mount up to four SIM-16 or OCM-16 modules.				
28 46 13 31-0598	EA	Optional Mounting Plate For REMBOX4 (Siemens REMBOX4-MP).....	266.65	29.35
Note: Required to mount up to eight SIM-16 or OCM-16 modules.				

28 46 13 31-0599 Battery Enclosures (28 46 13 31-0565)

28 46 13 31-0600	EA	Enclosure For 100 Ampere Hours Batteries (Siemens CAB-BATT).....	949.36	117.37
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28 46 13 31-0601 Graphic Annunciator Output Drivers And Inputs (28 46 13 31-0565)

28 46 13 31-0602	EA	Output Control Module (Siemens OCM-16).....	773.29	29.35
28 46 13 31-0603	EA	Supervised Input Module (Siemens SIM-16).....	773.29	29.35

28 46 13 31-0604 Remote LCD Displays (28 46 13 31-0565)

28 46 13 31-0605	EA	Remote LED/LCD System Status Display (Siemens SSD).....	1,787.86	88.03
Note: No control or menu capability.				
28 46 13 31-0606	EA	Remote LED/LCD System Status Display, Buttons To Acknowledge Events, Silence Audible Circuits And Resetting (Siemens SSD-C).....	2,018.80	88.03

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0607 Voice Equipment (28 46 13 31-0565)		
28 46 13 31-0608 EA 40 Watts Zone Amplifier Card (Siemens ZAC-40)	1,790.18	29.35
28 46 13 31-0609 EA 180 Watts Zone Amplifier Module (Siemens ZAM-180).....	3,975.12	29.35
28 46 13 31-0610 EA Live Voice Module (Siemens LVM).....	1,670.48	29.35
Note: Includes a dynamic microphone with a push-to-talk switch and ready-to-page indicator light, as well as a small local speaker and volume control for monitoring audio signals.		
28 46 13 31-0611 MXL Series Equipment (28 46 13 31-0540)		
28 46 13 31-0612 MXL Optional Equipment (28 46 13 31-0611)		
28 46 13 31-0613 EA Two Circuit Analog Loop Driver (Siemens ALD-2I).....	1,921.42	58.68
28 46 13 31-0614 EA CXL/MXL Interface Module (Siemens CMI-300).....	4,992.01	29.35
28 46 13 31-0615 EA Four Relay Programmable Relay Module (Siemens CRM-4)	851.88	29.35
28 46 13 31-0616 EA Two Circuit Controllable Signal/Releasing Module (Siemens CSM-4).....	1,029.63	29.35
28 46 13 31-0617 EA Remote Conventional Zone Module (Siemens CZM-1B6).....	383.94	29.35
28 46 13 31-0618 EA Short Circuit Line Isolator Module (Siemens Model LIM-1).....	235.22	29.35
28 46 13 31-0619 EA Four Circuit Conventional Zone Module (Siemens CZM-4)	1,001.82	29.35
28 46 13 31-0620 EA 12" x 16" x 3" Enclosure For PAD-3 (Siemens EN-PAD).....	354.04	44.01
28 46 13 31-0621 EA Lexan Window For RCC (Siemens GENBOX-WD)	241.62	23.47
28 46 13 31-0622 EA Input Driver Module (Siemens MID-16)	654.79	29.35
28 46 13 31-0623 EA Programmable Output Driver Module (Siemens MOD-16)	654.79	29.35
28 46 13 31-0624 EA MXL Output/Input Module (Siemens MOI-7).....	1,051.39	29.35
28 46 13 31-0625 EA Two Slot Network Option Module Card Cage (Siemens MOM-2).....	556.85	29.35
28 46 13 31-0626 EA Four Slot Network Option Module Card Cage (Siemens MOM-4).....	879.69	29.35
28 46 13 31-0627 EA 12 Amperes, 220 Volt AC, Power Supply For MXL (Siemens MPS-12/220)	2,160.28	88.03
28 46 13 31-0628 EA 12 Amperes, 240 Volt AC, Power Supply For MXL (Siemens MPS-12/240)	2,160.28	88.03
28 46 13 31-0629 EA Network Interface Module (Siemens NIM-1W).....	1,571.33	29.35
28 46 13 31-0630 EA U.L. Listed Parallel Printer (Siemens PAL-1).....	4,104.03	117.37
28 46 13 31-0631 EA Peripheral Interface Module, Model PIM-1 (Siemens 500-691324).....	456.49	29.35
28 46 13 31-0632 EA Surface Mounted Remote Command Center (Siemens RCC-1).....	4,396.10	586.86
28 46 13 31-0633 EA Enclosure And Door With Lens For RCC-1 (Siemens RCC-1DL).....	544.20	58.68
28 46 13 31-0634 EA Flush Mounted Remote Command Center (Siemens RCC-1F).....	4,396.10	586.86
28 46 13 31-0635 EA Enclosure And Door With Lens For RCC-1F (Siemens RCC-1FDL)	558.71	58.68
28 46 13 31-0636 EA Remote Control Center With System Control Functions And Sequential Event Display (Siemens RCC-2).....	3,350.19	586.86
28 46 13 31-0637 EA MXL/MXLV Remote Annunciator/Keyboard With Enhanced Display (Siemens RCC-3).....	5,078.07	586.86
28 46 13 31-0638 EA RCC-2/RSE-1 Trim Ring (Siemens RCF-1).....	83.76	14.67
28 46 13 31-0639 EA Remote Diagnostics Module For MXL (Siemens RDM-MXL)	6,404.95	58.68
28 46 13 31-0640 EA Remote Diagnostics Module For PC (Siemens RDM-PC).....	13,656.22	58.68
28 46 13 31-0641 EA Releasing End Of Line Module (Siemens REL-EOL).....	190.48	29.35
28 46 13 31-0642 EA 36 Zone Tabular Graphic Annunciator With Restart System Key (Siemens RSA-MBSC).....	4,079.75	58.68
28 46 13 31-0643 EA 36 Zone Tabular Graphic Annunciator (Siemens RSA-MBTL)	3,894.75	58.68
28 46 13 31-0644 EA 8-3/8" x 6-1/4" Remote Control Enclosure (Siemens RSE-1)	2,049.68	117.37
28 46 13 31-0645 Complete MXL And MXLV System Packages Without Enclosure (28 46 13 31-0611)		
28 46 13 31-0646 EA MXL System Electronics Package Including One MMB-3, One Display/Control Keyboard, One MDL-1, One MKB-2, One MPS-6, One MOM-2, One ALD-2I And One PIM-1 (Siemens MXL-SS-EP).....	14,738.82	586.86
Note: MMB-3 is a MXL/MXLV main control board. MDL-1 is a clear lens. MKB-2 is a MXL/MXLV display/keyboard module with hinged frame. MPS-6 is a 6 Amp power supply for MXL. MOM-2 is a two slot network option module card cage. ALD-2I is a two circuit analog loop driver. PIM-1 is a peripheral interface module.		
28 46 13 31-0647 EA MXL Voice System Electronics Package Including One MMB-3, One MKB-2, One MPS-6, One ACM-1, One TBM-2, One MMM-1, One OMM-2, One ZAC-30, One OCC-1, One MHD-5, One VSM-1 And Four VSB-1 (Siemens MXLV-SS-EP).....	19,270.71	586.86
Note: MMB-3 is a MXL/MXLV main control board. MKB-2 is a MXL/MXLV display/keyboard module with hinged frame. MPS-6 is a 6 Amp power supply for MXL. ACM-1 is an audio control module. TBM-2 is a voice terminal module. MMM-1 is a master microphone module. OMM-2 is a two half width slot card cage. ZAC-30 is a MXLV zone amplifier card. OCC-1 is a MXLV output control card. MHD-5 is a deadfront panel for MSE-2 backbox. VSM-1 is an eight switch module. VSB-1 is a module blank with overlay.		
28 46 13 31-0648 EA MXLV Demonstration Panel (Siemens MXLV DEMO).....	40,435.67	586.86
28 46 13 31-0649 MXL Basic System (28 46 13 31-0611)		
28 46 13 31-0650 EA MXL/MXLV Main Control Board (Siemens MMB-3).....	9,036.47	586.86
28 46 13 31-0651 EA MXL System Electronics Package Including One MMB-3, One DE-2 And One DPU (Siemens MMB-DPU-ENCL).....	11,743.75	586.86
Note: MMB-3 is a MXL/MXLV main control board. DE-2 is an enclosure for document storage. DPU is a handheld device programming and testing unit.		
28 46 13 31-0652 EA MXL/MXLV Display/Keyboard Module With Hinged Frame (Siemens MKB-2).....	3,438.91	58.68
28 46 13 31-0653 EA MXL/MXLV Keyboard With Enhanced Display With Hinged Frame (Siemens MKB-5)	4,311.91	58.68
28 46 13 31-0654 EA 6 Amperes Power Supply For MXL (Siemens MPS-6)	1,481.94	88.03
28 46 13 31-0655 EA 220/240 Volt AC Adapter Cable (Siemens CIA-12)	107.94	14.67
28 46 13 31-0656 MXL/MXLV System Expansion Accessories (28 46 13 31-0611)		
28 46 13 31-0657 EA MXL Remote Power Supply Module (Siemens PSR-1).....	1,824.13	88.03
28 46 13 31-0658 EA Style 4 Communication Module (Siemens NET-4).....	371.85	29.35
28 46 13 31-0659 EA Style 7 Communication Module (Siemens NET-7).....	682.60	29.35
28 46 13 31-0660 EA MXL/MXLV/MXLV Intelligent Control Point, B6 Chip (Siemens ICP-B6).....	406.92	29.35
28 46 13 31-0661 Peripheral Devices (28 46 13 31-0540)		
28 46 13 31-0662 Thermal Detectors (28 46 13 31-0661)		
28 46 13 31-0663 EA Rate Of Rise And 135 Degree F Fixed Temperature Thermal Detector (Siemens DT-135R)	147.28	44.01

28 Electronic Safety and Security**28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

28 46 13 31-0664	EA	Rate Of Rise And 200 Degree F Fixed Temperature Thermal Detector (Siemens DT-200R).....	147.28	44.01
28 46 13 31-0665	EA	135 Degree F Fixed Temperature Thermal Detector (Siemens DT-135F).....	147.28	44.01
28 46 13 31-0666	EA	200 Degree F Fixed Temperature Thermal Detector (Siemens DT-200F).....	147.28	44.01
28 46 13 31-0667	EA	Weatherproof 135 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-135WP).....	237.96	44.01
28 46 13 31-0668	EA	Weatherproof 200 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-200WP).....	237.96	44.01
28 46 13 31-0669	EA	Explosion Proof 190 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-190EP).....	604.34	44.01

28 46 13 31-0670 Beam Smoke Detector (28 46 13 31-0661)

28 46 13 31-0671	EA	Linear Beam Smoke Detector (Siemens PBA-1191)	2,893.73	44.01
28 46 13 31-0672	EA	Base For Linear Beam Smoke Detector (Siemens PBB-1191).....	329.22	14.67
28 46 13 31-0673	EA	20cm x 20cm Flat Reflector For Linear Beam Smoke Detector (Siemens PBR-1192)	332.85	14.67
28 46 13 31-0674	EA	10cm x 10cm Flat Reflector For Linear Beam Smoke Detector (Siemens PBR-1193)	168.40	14.67

28 46 13 31-0675 Bases For Detectors (28 46 13 31-0661)

28 46 13 31-0676	EA	Detector Base (Siemens DB-11).....	47.49	14.67
28 46 13 31-0677	EA	Universal Base (Siemens DB-3S).....	43.86	14.67

28 46 13 31-0678 Manual Stations (28 46 13 31-0661)

28 46 13 31-0679	EA	Weatherproof Metal Manual Pull Station With Key (Siemens MSM-K-WP)	359.41	35.21
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28 46 13 31-0680 Addressable Devices (28 46 13 31-0540)**28 46 13 31-0681 Intelligent Detectors And Devices For Firefinder XLS And FS-250** (28 46 13 31-0680)

28 46 13 31-0682	EA	Addressable Fireprint Fire Detector (Siemens HFP-11).....	296.00	44.01
28 46 13 31-0683	EA	Addressable Thermal Fire Detector (Siemens HFPT-11)	253.68	44.01
28 46 13 31-0684	EA	Relay Base For H-Series Intelligent Detectors (Siemens DB-HR)	204.11	44.01
28 46 13 31-0685	EA	Ceiling Mounted Remote Alarm Indicator (Siemens RL-HC)	132.77	44.01
28 46 13 31-0686	EA	Wall Mounted Remote Alarm Indicator (Siemens RL-HW)	132.77	44.01
28 46 13 31-0687	EA	Addressable Single Action Manual Pull Station (Siemens HMS-S)	313.81	29.35
28 46 13 31-0688	EA	Addressable Double Action Manual Pull Station (Siemens HMS-D).....	299.30	29.35
28 46 13 31-0689	EA	Single Input Intelligent Initiating Devices Interface Module (Siemens HTRI-S).....	235.22	29.35
28 46 13 31-0690	EA	Dual Input Intelligent Initiating Devices Interface Module (Siemens HTRI-D)	289.63	29.35
28 46 13 31-0691	EA	Single Input Intelligent Initiating Devices Interface Module With Relay (Siemens HTRI-R)	289.63	29.35
28 46 13 31-0692	EA	Mini Single Input Intelligent Initiating Devices Interface Module (Siemens HTRI-M).....	217.08	29.35
28 46 13 31-0693	EA	Line Isolator Module (Siemens HLIM).....	224.33	29.35
28 46 13 31-0694	EA	Remote Convention Zone Module (Siemens HZM)	335.58	29.35
28 46 13 31-0695	EA	Intelligent Control Point Module (Siemens HCP)	427.47	29.35
28 46 13 31-0696	EA	Handheld Programming And Testing Unit (Siemens DPU).....	1,915.62	
28 46 13 31-0697	EA	DPU Carrying Case (Siemens DPU-C1).....	293.30	
28 46 13 31-0698	EA	Label Printer And Carrying Case (Siemens DPU-PRT)	3,279.86	29.35

28 46 13 31-0699 Air Duct Housings And Detectors (28 46 13 31-0680)

28 46 13 31-0700	EA	Air-Duct Housing (Siemens AD2-P).....	345.61	23.47
28 46 13 31-0701	EA	Air-Duct Housing With Relay (Siemens AD2-XHR).....	391.56	23.47
28 46 13 31-0702	EA	Weatherproof Enclosure For Duct Housing (Siemens WP-2000)	311.39	29.35
28 46 13 31-0703	EA	6" To 1' Duct Sampling Tube (Siemens ST-10)	41.79	8.80
28 46 13 31-0704	EA	>1' To 3' Duct Sampling Tube (Siemens ST-25).....	51.28	11.74
28 46 13 31-0705	EA	>3' To 5' Duct Sampling Tube (Siemens ST-50).....	64.42	14.67
28 46 13 31-0706	EA	>5' To 10' Duct Sampling Tube (Siemens ST-100).....	75.11	17.61

28 46 13 31-0707 Intelligent Initiating Devices For MXL, MXL-LQ And MXLV (28 46 13 31-0680)

28 46 13 31-0708	EA	Addressable Fireprint Fire Detector (Siemens FP-11)	309.30	44.01
28 46 13 31-0709	EA	Addressable Thermal Fire Detector (Siemens FPT-11).....	264.57	44.01
28 46 13 31-0710	EA	Intelligent Ionization Smoke Detector (Siemens ILI-1)	343.16	44.01
28 46 13 31-0711	EA	Addressable Single Action Manual Pull Station (Siemens MSI-10B).....	305.35	29.35
28 46 13 31-0712	EA	Addressable Double Action Manual Pull Station (Siemens MSI-20B).....	337.99	29.35
28 46 13 31-0713	EA	Single Input Intelligent Initiating Devices Interface Module (Siemens TRI-S)	308.97	29.35
28 46 13 31-0714	EA	Dual Input Intelligent Initiating Devices Interface Module (Siemens TRI-D).....	342.83	29.35
28 46 13 31-0715	EA	Single Input Intelligent Initiating Devices Interface Module With Relay (Siemens TRI-R).....	342.83	29.35

28 46 13 31-0716 Detector Universal Bases (28 46 13 31-0680)

28 46 13 31-0717	EA	Detector Base With Relay (Siemens DB-X11RS).....	144.22	14.67
28 46 13 31-0718	EA	PE-11 To DB-3 Base Adapter (Siemens DB-ADPT).....	71.67	14.67
28 46 13 31-0719	EA	Locking Kit (Siemens LK-11)	12.71	
28 46 13 31-0720	EA	Detector Base With Relay (Siemens DB-X3RS).....	144.22	14.67
28 46 13 31-0721	EA	Audible Base For Addressable Fireprint Fire Detector (Siemens ADBX-11).....	168.40	14.67
28 46 13 31-0722	EA	Retrofit Adapter Box For Audible Bases Ionization Detector Air Duct (Siemens ADB-BOX).....	68.04	14.67
28 46 13 31-0723	EA	Flush Trim Ring For Bases (Siemens RA-ADB)	32.12	8.80
28 46 13 31-0724	EA	Seal For DB-11 (Siemens DB11-SEAL).....	15.62	
28 46 13 31-0725	EA	Gasket For DB-11 (Siemens DB-SEAL)	17.21	
28 46 13 31-0726	EA	Detector Guard Housing (Siemens DGH-11).....	213.14	14.67
28 46 13 31-0727	EA	Small Detector Base (Siemens DB-11E).....	52.32	14.67
28 46 13 31-0728	EA	Audible Base For Series 3 (Siemens ADBI-60A).....	190.17	14.67
28 46 13 31-0729	EA	Base Plug (Siemens DB-11-DP).....	12.66	

28 46 13 31-0730 Air Duct Smoke Detectors (28 46 13 31-0680)

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0731	EA	Intelligent Remote Duct Relay Module (Siemens DA-X3SR).....	156.62	29.35
28 46 13 31-0732	EA	Weatherproof Enclosure For Duct Housing (Siemens EAD-3)	841.00	29.35
28 46 13 31-0733 Notification Devices (28 46 13 31-0540)				
28 46 13 31-0734 Synchronization Control Devices (28 46 13 31-0733)				
28 46 13 31-0735	EA	Dual Synchronization Control Module (Siemens DSC).....	235.22	29.35
28 46 13 31-0736 Stand-Alone Strobes (28 46 13 31-0733)				
28 46 13 31-0737	EA	Wall Mounted Multi-Candela Strobe (Siemens ZR-MC-R).....	190.81	44.01
28 46 13 31-0738	EA	Wall Mounted High, Multi-Candela Strobe (Siemens ZR-HMC-R).....	208.95	44.01
28 46 13 31-0739	EA	Ceiling Mounted Multi-Candela Strobe (Siemens ZR-MC-CR).....	190.81	44.01
28 46 13 31-0740	EA	Ceiling Mounted High, Multi-Candela Strobe (Siemens ZR-HMC-CR).....	208.95	44.01
28 46 13 31-0741	EA	Ceiling Mounted High Multi-Candela Strobe (Siemens ST-HMC-CW).....	208.95	44.01
28 46 13 31-0742	EA	Ceiling Mounted Multi-Candela Strobe (Siemens ST-MC-CW).....	190.81	44.01
28 46 13 31-0743	EA	Retrofit Plate Multi-Candela Strobe (Siemens ST-MC-RETRO-R).....	222.25	44.01
28 46 13 31-0744	EA	Weatherproof Ceiling Mounted Strobe (Siemens ST-75-CR-WP).....	212.57	44.01
28 46 13 31-0745	EA	Weatherproof Wall Mounted Strobe (Siemens ST-75-R-WP).....	212.57	44.01
28 46 13 31-0746	EA	Weatherproof Ceiling Mounted High Multi-Candela Strobe (Siemens ST-HMC-CR-WP).....	228.29	44.01
28 46 13 31-0747	EA	Weatherproof Wall Mounted High Multi-Candela Strobe (Siemens ST-HMC-R-WP).....	228.29	44.01
28 46 13 31-0748 Horns And Strobes (28 46 13 31-0733)				
28 46 13 31-0749	EA	Wall Mounted Multi-Candela Horn/Strobe (Siemens SE-MC-R).....	262.15	44.01
28 46 13 31-0750	EA	Wall Mounted High Multi-Candela Horn/Strobe (Siemens SE-HMC-R).....	277.87	44.01
28 46 13 31-0751	EA	Wall Mounted Horn (Siemens SE-R).....	147.28	44.01
28 46 13 31-0752	EA	Ceiling Mounted Multi-Candela Horn/Strobe (Siemens SE-MC-CR).....	262.15	44.01
28 46 13 31-0753	EA	Ceiling Mounted High Multi-Candela Horn/Strobe (Siemens SE-HMC-CR).....	277.87	44.01
28 46 13 31-0754	EA	Ceiling Mounted Horn (Siemens SEC-R).....	154.53	44.01
28 46 13 31-0755	EA	Wall Mounted Low Profile Multi-Candela Horn/Strobe (Siemens SEF-MC-R).....	262.15	44.01
28 46 13 31-0756	EA	Wall Mounted Low Profile High Multi-Candela Horn/Strobe (Siemens SEF-HMC-R).....	277.87	44.01
28 46 13 31-0757	EA	Wall Mounted Low Profile Horn (Siemens SEF-R).....	147.28	44.01
28 46 13 31-0758	EA	Ceiling Mounted Low Profile Multi-Candela Horn/Strobe (Siemens SEF-MC-CW).....	262.15	44.01
28 46 13 31-0759	EA	Ceiling Mounted Low Profile High Multi-Candela Horn/Strobe (Siemens SEF-HMC-CW).....	277.87	44.01
28 46 13 31-0760	EA	Ceiling Mounted Low Profile Horn (Siemens SEF-CR).....	154.53	44.01
28 46 13 31-0761	EA	Mini Horn (Siemens MH-R).....	120.68	44.01
28 46 13 31-0762	EA	Indoor/Outdoor Multi Tone Horn (Siemens MTH-R).....	156.95	44.01
28 46 13 31-0763	EA	Indoor/Outdoor Multi Tone, Multi-Candela Horn/Strobe (Siemens MTH-MC-R).....	246.43	44.01
28 46 13 31-0764	EA	Industrial Tri-Tone Horn (Siemens ASR).....	722.83	44.01
28 46 13 31-0765	EA	Wall Mounted Horn (Siemens HS-R).....	156.95	44.01
28 46 13 31-0766	EA	Wall Mounted Multi-Candela Horn/Strobe (Siemens HS-MC-R).....	247.64	44.01
28 46 13 31-0767	EA	Wall Mounted High Multi-Candela Horn/Strobe (Siemens HS-HMC-R).....	266.98	44.01
28 46 13 31-0768	EA	6" Motor Bell (Siemens MBDC-6).....	181.13	44.01
28 46 13 31-0769	EA	10" Motor Bell (Siemens MBDC-10).....	199.27	44.01
28 46 13 31-0770 Mounting Accessories (28 46 13 31-0733)				
28 46 13 31-0771	EA	Concealed Conduit Adapter Plate (Siemens APS-R).....	43.86	14.67
28 46 13 31-0772	EA	4" x 1-1/2" Surface Mounted Back Box (Siemens BBS-R).....	43.86	14.67
28 46 13 31-0773	EA	4" x 2-1/8" Surface Mounted Back Box (Siemens DBBS-R).....	45.07	14.67
28 46 13 31-0774	EA	Red Weatherproof Surface Mount Back Box (Siemens MT-SUR-BOX).....	74.09	14.67
28 46 13 31-0775	EA	White Weatherproof Surface Mount Back Box (Siemens MT-SUR-BOX-W).....	58.37	14.67
28 46 13 31-0776	EA	Surface Mounted Speaker Back Box (Siemens SBBS-R).....	62.00	14.67
28 46 13 31-0777	EA	Surface Mounted Speaker Back Box (Siemens SBL2S-R).....	66.83	14.67
28 46 13 31-0778	EA	Square Semi-Flush Extension Ring (Siemens SERS-R).....	52.32	14.67
28 46 13 31-0779	EA	Semi-Flush Plate (Siemens SFPS-R).....	42.65	14.67
28 46 13 31-0780	EA	Square Surface Back Box (Siemens SHBBS-R).....	52.32	14.67
28 46 13 31-0781	EA	Horn Adapter Plate (Siemens SHMPS-R).....	49.91	14.67
28 46 13 31-0782	EA	Ceiling Speaker Extension Ring (Siemens SPEXT-R).....	43.86	14.67
28 46 13 31-0783	EA	Wall Mounted Surface Mounted Speaker Back Box (Siemens SPSB-R).....	58.37	14.67
28 46 13 31-0784	EA	Wall Mounted Surface Mounted Speaker/Strobe Back Box (Siemens SPSSB-R).....	62.00	14.67
28 46 13 31-0785	EA	Weatherproof Speaker Back Box (Siemens WBBS-R).....	59.58	14.67
28 46 13 31-0786	EA	Weatherproof Speaker Back Box With 3/4" Knockout (Siemens WBBS-R-3/4T-3/4B).....	66.83	14.67
28 46 13 31-0787	EA	Weatherproof Flush Plate (Siemens WFPAS-R).....	66.83	14.67
28 46 13 31-0788	EA	Weatherproof Horn Flush Plate (Siemens WFPS-R).....	66.83	14.67
28 46 13 31-0789	EA	Weatherproof Horn Back Box (Siemens WPBBS-R).....	62.00	14.67
28 46 13 31-0790	EA	Weatherproof Strobe Back Box (Siemens WPSBBS-R).....	62.00	14.67
28 46 13 31-0791	EA	Surface Mounted Weatherproof Back Box Kit (Siemens WPS-KIT).....	43.86	14.67
28 46 13 31-0792	EA	Z Series Back Box (Siemens ZBB-R).....	49.91	14.67
28 46 13 31-0793 Door Holders (28 46 13 31-0733)				
28 46 13 31-0794	EA	120 Volt AC Concealed Wiring Fire Door Holder (Siemens SDH-2A).....	399.99	44.01
28 46 13 31-0795	EA	24 Volt DC Concealed Wiring Fire Door Holder (Siemens SDH-2D).....	399.99	44.01
28 46 13 31-0796 Voice Equipment (28 46 13 31-0540)				
28 46 13 31-0797 Voicecom (28 46 13 31-0796)				
28 46 13 31-0798	EA	Emergency Voice Alarm Communication System, 3.5 Amp Power Supply And Battery Charger, 50W Amplifier, Battery Cables, Main Control Board With One Speaker Circuit, Paging Microphone And Enclosure With Deadfront And Space For Five Modules (Siemens VOICECOM).....	6,149.37	586.86

28 Electronic Safety and Security**28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

28 46 13 31-0799	EA	Emergency Voice Alarm Communication System, 3.5 Amp Power Supply And Battery Charger, Two 50W Amplifier, Battery Cables, Main Control Board With One Speaker Circuit, Paging Microphone, Enclosure With Deadfront And Space For 11 Modules, Auxiliary Power Supply, Four PS-AUX Strobe Zone Cables And One AM-25-50 Speaker Zone Cables (Siemens VOICCOM-L).....	9,837.28	586.86
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28 46 13 31-0800 Johnson Controls Fire Alarm (28 46 13 31)

28 46 13 31-0801	EA	Intelligent Addressable ION Detector; With FlashScan. (Johnson Controls, Inc. #1951J).....	228.97	44.01
28 46 13 31-0802	EA	Intelligent Addressable Photo Detector; With FlashScan. (Johnson Controls, Inc. #2951J).....	226.35	44.01
28 46 13 31-0803	EA	Intelligent Addressable Photo/Thermal Detector; With FlashScan. (Johnson Controls, Inc. #2951TJ).....	286.39	44.01
28 46 13 31-0804	EA	Accimate™ Intelligent Photo Thermal Detector; With FlashScan. (Johnson Controls, Inc. #2951TMJ).....	285.55	44.01
28 46 13 31-0805	EA	411UD, 4 Channel Dual. (Johnson Controls, Inc. #411UD).....	806.55	58.68
28 46 13 31-0806	EA	Intelligent Addressable High Temperature Heat Detector; With FlashScan. (Johnson Controls, Inc. #5951HJ).....	215.59	44.01
28 46 13 31-0807	EA	Intelligent Addressable High Temperature Heat Detector; With FlashScan. (Johnson Controls, Inc. #5951J).....	190.75	44.01
28 46 13 31-0808	EA	Intelligent Addressable Rate-of-Rise Thermal Detector; With FlashScan. (Johnson Controls, Inc. #5951RJ).....	185.48	44.01
28 46 13 31-0809	EA	Intelligent Addressable Laser Detector; Low Profile, Use With IFC Series Panels Only. (Johnson Controls, Inc. #7351J).....	590.36	44.01
28 46 13 31-0810	EA	100 Watts Audio Amplifier At 70.7 VRMS With Built-in Tone Generator, 120 Volt AC (Johnson Controls, Inc. #AA-100).....	2,914.72	88.03
28 46 13 31-0811	EA	AUDIO Amplifier, 100 Watts, 230 Voltage AC (Johnson Controls, Inc. #AA-100E).....	2,823.14	88.03
28 46 13 31-0812	EA	120 Watts Audio Amplifier At 25 VRMS With Built-in Tone Generator, 120 Voltage AC (Johnson Controls, Inc. #AA-120).....	2,872.55	88.03
28 46 13 31-0813	EA	AUDIO Amplifier, 120 Watts, 230 Voltage AC (Johnson Controls, Inc. #AA-120E).....	2,749.19	88.03
28 46 13 31-0814	EA	30 Watts Audio Amplifier At 25 VRMS, 120 Voltage AC (Johnson Controls, Inc. #AA-30).....	1,324.01	88.03
28 46 13 31-0815	EA	AUDIO Amplifier, 30 Watts, 230 Voltage AC (Johnson Controls, Inc. #AA-30E).....	1,324.01	88.03
28 46 13 31-0816	EA	Annunciator Control Module With; 16 Red Alarm LED's, 16 Yellow Trouble LED's, And 16 Control Switches, On-line, System Trouble Led, And Local Sounder, Local Acknowledge And Lamp Test Switch, Supports 1, 2 Or 3 AEM-16AT Expander Modules. (Johnson Controls, Inc. #ACM-16AT).....	1,345.26	29.35
28 46 13 31-0817	EA	IFC Series ACS Annunciator; Up To 96 Points Of Annunciation With Alarm Or Active LED, Trouble LED And Switch Per Circuit. Active/Alarm LEDs Can Be Programmed (By Powered Up Switch Selection) By Point To Be Red, Green Or Yellow And The Trouble LED Is Always Yellow. Expandable With One, Two Or Three AEM-24AT's. (Johnson Controls, Inc. #ACM-24AT).....	1,399.63	29.35
28 46 13 31-0818	EA	Annunciator Control Module; Includes 32 Red Alarm LED's, System Trouble LED And On-line LED, Local Acknowledge, Lamp Test Switch, And Local Piezo Sounder, Supports One AEM-32A Expander Module. (Johnson Controls, Inc. #ACM-32A).....	1,025.46	29.35
28 46 13 31-0819	EA	IFC Series ACS Annunciator; Up To 96 Points Of Annunciation With Alarm Or Active LED Per Circuit. Active/Alarm LEDs Can Be Programmed (By Powered Up Switch Selection) In Groups Of 24 To Be Red, Green Or Yellow. Expandable To 96 Points With One AEM-48A. (Johnson Controls, Inc. #ACM-48A).....	1,025.46	29.35
28 46 13 31-0820	EA	Annunciator, Relay, Form C. (Johnson Controls, Inc. #ACM-8R).....	720.47	29.35
28 46 13 31-0821	EA	Charger Power Supply - 6 Or 10 Amperes; Mounts In CAB-PS1, CAB-3/4, EQ Cabx, BB-25, Or CHS-PS1; Comes With The PK-PPS Programming Utility. Windows® PC And USB Cable Required For Programming. (Johnson Controls, Inc. #ACPS-610).....	2,335.58	58.68
28 46 13 31-0822	EA	Annunciator Expander Module With: 16 Red Alarm LED's, 16 Yellow Trouble LED's, 16 Control Switches, Cable For Connection To The ACM-16AT Master. (Johnson Controls, Inc. #AEM-16AT).....	1,025.46	29.35
28 46 13 31-0823	EA	Annunciator Expander Module; 24 Alarm And Trouble LEDs, Expands The ACM-24AT To 48, 72 Or 96 Points. (Johnson Controls, Inc. #AEM-24AT).....	1,066.33	29.35
28 46 13 31-0824	EA	Annunciator Expander Module With: 32 Red Alarm LED's, Cable For Connection To The ACM-32A Master. (Johnson Controls, Inc. #AEM-32A).....	918.22	29.35
28 46 13 31-0825	EA	Annunciator Expander Module; 48 Alarm LEDs, Expands The ACM-48A To 96 Points. (Johnson Controls, Inc. #AEM-48A).....	918.22	29.35
28 46 13 31-0826	EA	Back Box, Flush Or Surface Mount; Requires A Door And Telephone Chassis. (Johnson Controls, Inc. #AFAWS-BX).....	147.09	26.41
28 46 13 31-0827	EA	Receiver, Multimode Fiber. (Johnson Controls, Inc. #AFL-RM).....	1,400.26	58.68
28 46 13 31-0828	EA	Receiver, Singlemode Fiber. (Johnson Controls, Inc. #AFL-RS).....	3,074.99	58.68
28 46 13 31-0829	EA	Transmit, Multimode Fiber. (Johnson Controls, Inc. #AFL-TM).....	1,400.26	58.68
28 46 13 31-0830	EA	Transmit, Singlemode Fiber. (Johnson Controls, Inc. #AFL-TS).....	3,074.99	58.68
28 46 13 31-0831	EA	Base, Smoke Detector, 2 Wire. (Johnson Controls, Inc. #B110LP).....	51.53	14.67
28 46 13 31-0832	EA	Base, Smoke Detector, Intelligent. (Johnson Controls, Inc. #B224BI).....	146.94	14.67
28 46 13 31-0833	EA	Base, Smoke Detector, Intelligent. (Johnson Controls, Inc. #B224RB).....	138.31	14.67
28 46 13 31-0834	EA	Base, Smoke Detector, 2 Wire. (Johnson Controls, Inc. #B401).....	55.21	14.67
28 46 13 31-0835	EA	Intelligent Detector Base, Without Flange. (Johnson Controls, Inc. #B501J).....	49.09	14.67
28 46 13 31-0836	EA	Battery Cabinet, Lockable. (Johnson Controls, Inc. #BB-100).....	1,015.84	58.68
28 46 13 31-0837	EA	Projected Beam Smoke Detector, Single-ended Reflected Type, Includes Trouble Relay, Transmitter/Receiver In One Unit. (Johnson Controls, Inc. #Beam1224).....	2,394.27	88.03
28 46 13 31-0838	EA	Same As Beam1224 With Built-in Sensitivity Test Filter. (Johnson Controls, Inc. #Beam1224S).....	2,532.92	88.03
28 46 13 31-0839	EA	Mounting Kit, Long RG, Beam. (Johnson Controls, Inc. #BeamLRK).....	278.90	14.67
28 46 13 31-0840	EA	Mounting Kit, Beam Detect. (Johnson Controls, Inc. #BeamMMK).....	186.49	14.67
28 46 13 31-0841	EA	Digital Audio Amplifier, 50 Watts, 25 VRMS (Johnson Controls, Inc. #DAA-5025).....	2,396.31	88.03
28 46 13 31-0842	EA	Digital Audio Amplifier, 50 Watts, 25 VRMS, Multi-Fiber (Johnson Controls, Inc. #DAA-5025F).....	2,209.42	88.03
28 46 13 31-0843	EA	Digital Audio Amplifier, 50 Watts, 25 VRMS, Single-Fiber (Johnson Controls, Inc. #DAA-5025SF).....	2,209.42	88.03
28 46 13 31-0844	EA	Digital Audio Amplifier, 50 Watts, 70 VRMS (Johnson Controls, Inc. #DAA-5070).....	2,598.20	88.03
28 46 13 31-0845	EA	Amplifier, Digital Audio. (Johnson Controls, Inc. #DAA-5070E).....	2,394.27	88.03
28 46 13 31-0846	EA	Digital Audio Amplifier, 50 Watts, 70 VRMS, Multi-Fiber (Johnson Controls, Inc. #DAA-5070F).....	2,394.27	88.03
28 46 13 31-0847	EA	Digital Audio Amplifier, 50 Watts, 70 VRMS, Single-Fiber (Johnson Controls, Inc. #DAA-5070SF).....	2,394.27	88.03
28 46 13 31-0848	EA	Digital Audio Amplifier, 75 Watts, 25 VRMS (Johnson Controls, Inc. #DAA-7525).....	2,869.60	88.03
28 46 13 31-0849	EA	Digital Audio Amplifier, 75 Watts, 25 VRMS, Multi Fiber (Johnson Controls, Inc. #DAA-7525F).....	2,869.60	88.03
28 46 13 31-0850	EA	Digital Audio Amplifier, 75 Watts, 25 VRMS, Single Fiber (Johnson Controls, Inc. #DAA-7525SF).....	2,869.60	88.03
28 46 13 31-0851	EA	Innovairflex Intelligent. (Johnson Controls, Inc. #DNR).....	291.72	29.35
28 46 13 31-0852	EA	Innovairflex Duct Detect. (Johnson Controls, Inc. #DNRW).....	453.35	29.35
28 46 13 31-0853	EA	Innovairflex Sample Tube. (Johnson Controls, Inc. #DST1).....	38.20	11.74
28 46 13 31-0854	EA	Innovairflex Sample Tube. (Johnson Controls, Inc. #DST1.5).....	42.00	11.74
28 46 13 31-0855	EA	Innovairflex Sample Tube. (Johnson Controls, Inc. #DST10).....	106.31	17.61
28 46 13 31-0856	EA	Innovairflex Sample Tube. (Johnson Controls, Inc. #DST3).....	50.52	11.74
28 46 13 31-0857	EA	Innovairflex Sample Tube. (Johnson Controls, Inc. #DST5).....	62.34	14.67
28 46 13 31-0858	EA	Digital Voice Command, Analog Output. (Johnson Controls, Inc. #DVC-AO).....	456.09	29.35
28 46 13 31-0859	EA	Digital Voice Command, Keypad. (Johnson Controls, Inc. #DVC-KD).....	755.13	58.68

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0860 EA Equipment Cabinet Used To House DAA Digital Amplifiers, XP10/6 Series Transponders, AA-Amplifiers, ACPS-610 Or Amperes-24; B Size, Black. (Johnson Controls, Inc. #EQBB-B4).....	614.46	88.03
28 46 13 31-0861 EA Equipment Cabinet Used To House DAA Digital Amplifiers, XP10/6 Series Transponders, AA-Amplifiers, ACPS-610 Or Amperes-24; C Size, Black. (Johnson Controls, Inc. #EQBB-C4).....	863.39	88.03
28 46 13 31-0862 EA Equipment Cabinet Used To House DAA Digital Amplifiers, XP10/6 Series Transponders, AA-Amplifiers, ACPS-610 Or AMPS-24; D Size, Black. (Johnson Controls, Inc. #EQBB-D4).....	946.57	88.03
28 46 13 31-0863 EA Equipment Cabinet Door; B Size Black. (Johnson Controls, Inc. #EQDR-B4).....	512.02	11.74
28 46 13 31-0864 EA Equipment Cabinet Door; C Size Black. (Johnson Controls, Inc. #EQDR-C4).....	773.94	11.74
28 46 13 31-0865 EA Equipment Cabinet Door; D Size Black. (Johnson Controls, Inc. #EQDR-D4).....	850.98	11.74
28 46 13 31-0866 EA 6.0 Amperes, 120 Volt AC Remote Charger Power Supply (Johnson Controls, Inc. #FCPS-24S6).....	994.66	117.37
Note: Includes Main Printed Circuit Board, Transformers And Installation Instructions		
28 46 13 31-0867 EA 8 Amperes, 120 Volt AC Remote Charger Power Supply (Johnson Controls, Inc. #FCPS-24S8).....	1,317.35	117.37
Note: Includes Main Printed Circuit Board, Transformers And Installation Instructions		
28 46 13 31-0868 EA 80 Character Display Annunciator. "Security Keypad" Mechanical Design. For Use With The IFC-320, JCPU2-640, JCPU-640 And IFC-400/300 (Rev 3.62+) Only. (Johnson Controls, Inc. #FDU-80G).....	1,257.46	88.03
28 46 13 31-0869 EA Fireman's Telephone Hand Set. (Johnson Controls, Inc. #FHS).....	232.69	14.67
28 46 13 31-0870 EA Fire Phone Storage Cabinet, Recessed, Holds 6 Phones. (Johnson Controls, Inc. #FHSC-R).....	663.15	29.35
28 46 13 31-0871 EA Door Holder, Magnetic, Floor. (Johnson Controls, Inc. #FM980).....	341.11	44.01
28 46 13 31-0872 EA Door Holder, Magnetic, Wall. (Johnson Controls, Inc. #FM996).....	275.55	44.01
28 46 13 31-0873 EA Door Holder, Magnetic, Wall. (Johnson Controls, Inc. #FM998).....	290.47	44.01
28 46 13 31-0874 EA Addressable Beam Detector. (Johnson Controls, Inc. #FSB-200).....	2,449.60	58.68
28 46 13 31-0875 EA Addressable Beam Detector With Remote Test Feature. (Johnson Controls, Inc. #FSB-200S).....	2,996.67	58.68
28 46 13 31-0876 EA Intelligent Addressable HARSH (Hostile Area Smoke Head) Detector; Photo, Requires B501B-FTXJ Base. (Johnson Controls, Inc. #FTX-P2J).....	901.47	29.35
28 46 13 31-0877 EA IFC-320 Intelligent Fire Alarm Panel; Single Printed Circuit Board With One SLC Loop (318 Devices), Back-lit, 80 Character Display, System And Programming Keypad And 6.0 Amperes Power Supply, 120 Volt AC, (Johnson Controls, Inc. #IFC-320).....	6,045.12	469.49
Note: Includes Door, Dress Panel And Back Box, Black		
28 46 13 31-0878 EA Upgrade Kit, ORG BLD, 640. (Johnson Controls, Inc. #IFC-640UG).....	3,023.23	58.68
28 46 13 31-0879 EA Workstation Only Workstation GUI Software And Hardware Package. (Johnson Controls, Inc. #IFI).....	39,787.20	704.24
28 46 13 31-0880 EA Workstation With NFN Fiber PC Card Workstation GUI Software And Hardware Package. Includes NFN Gateway (JNFN-GW-PC-F) Fiber Version. (Johnson Controls, Inc. #IFI-F).....	43,484.22	704.24
28 46 13 31-0881 EA Workstation With Echelon Wire PC Card Workstation GUI Software And Hardware Package For Building Systems Integration, WSSUP Workstation Supervisor. Includes Echelon® Gateway (ECH-GW-PC-W) Wire Version. (Johnson Controls, Inc. #IFI-IP).....	49,029.76	704.24
28 46 13 31-0882 EA Workstation With NFN Wire PC Card Workstation GUI Software And Hardware Package. Includes NFN Gateway (JNFN-GW-PC-W) Wire Version. (Johnson Controls, Inc. #IFI-W).....	43,484.22	704.24
28 46 13 31-0883 EA Annunciator Flush Box. Mounts One Annunciator Module. (Johnson Controls, Inc. #JABF-1B).....	290.31	17.61
28 46 13 31-0884 EA Annunciator Flush Box. One Module. Attractive Glass Door And Key Lock. (Johnson Controls, Inc. #JABF-1DB).....	327.28	17.61
28 46 13 31-0885 EA Annunciator Flush Box. Mounts Two Annunciator Modules. (Johnson Controls, Inc. #JABF-2B).....	356.86	17.61
28 46 13 31-0886 EA Annunciator Flush Box. Mounts Four Annunciator Modules. (Johnson Controls, Inc. #JABF-4B).....	671.11	17.61
28 46 13 31-0887 EA Annunciator Surface Box. Deep With Trim Cover. (Johnson Controls, Inc. #JABS-1TB).....	215.70	11.74
28 46 13 31-0888 EA Surface (or Semi-flush) Mount Back Box (Johnson Controls, Inc. #JABS-2D).....	334.41	26.41
Note: Used With The INA, ACS Annunciators, SCS Series, JNCA And JNCA-2 Black.		
28 46 13 31-0889 EA Surface (or Semi-flush) Mount Back Box (Johnson Controls, Inc. #JABS-2DR).....	355.61	26.41
Note: Used With The INA, ACS Annunciators, SCS Series, JNCA And JNCA-2 Red.		
28 46 13 31-0890 EA Surface (or Semi-flush) Mount INA, ACS, Or SCS Back Box, Black. (Johnson Controls, Inc. #JABS-4D).....	659.12	26.41
28 46 13 31-0891 EA Audio Command Door For CAB-B4, Black; Required When Using CA-2. (Johnson Controls, Inc. #JADDR-B4).....	661.23	11.74
28 46 13 31-0892 EA Audio Command Door For CAB-C4, Black; Required When Using CA-2. (Johnson Controls, Inc. #JADDR-C4).....	892.29	11.74
28 46 13 31-0893 EA Audio Command Door For CAB-D4, Black; Required When Using CA-2. (Johnson Controls, Inc. #JADDR-D4).....	1,104.87	11.74
28 46 13 31-0894 EA Addressable Pull Station; With FlashScan. (Johnson Controls, Inc. #JBG-12LX).....	303.92	29.35
28 46 13 31-0895 EA Battery Dress Panel For CAB-4 Series; For Use With The JCPU2-3030, JCPU2-640, JNCA-2, And DVC Systems. (Johnson Controls, Inc. #JBP-2-4).....	142.35	11.74
28 46 13 31-0896 EA JCPU2-3030 CPU With 640-character Display; Required For Single Panel (One CPU2-3030) Systems. Includes: CPU, 640-Character Backlit LCD Display, QWERTY Programming And Control Keypad, Installation, Programming And Operating Manuals. Supports One To 10 Signaling Line Circuits (Up To Five LCM-320 And Five LEM-320). Order One Per System Or As Necessary (Up To 103 Network Nodes) For A Networked System. Requires Top Row Of A Cabinet. (Johnson Controls, Inc. #JCPU2-3030D).....	6,031.13	469.49
28 46 13 31-0897 EA Central Processing Unit For The JCPU2-640 With Integral 120 Volt AC Power Supply (Johnson Controls, Inc. #JCPU2-640).....	4,350.62	352.11
Note: Includes CHS2-M2 Chassis		
28 46 13 31-0898 EA Main Board, CPU, IFC3030, DI. (Johnson Controls, Inc. #JCPU-3030D).....	7,866.34	469.49
28 46 13 31-0899 EA Main Board, CPU, IFC640. (Johnson Controls, Inc. #JCPU-640).....	7,580.85	352.11
28 46 13 31-0900 EA Main Board, CPU, IFC640, EUR. (Johnson Controls, Inc. #JCPU-640E).....	5,436.96	352.11
28 46 13 31-0901 EA Digital Voice Command, Extended Memory. (Johnson Controls, Inc. #JDVC-EM).....	3,014.80	44.01
28 46 13 31-0902 EA Digital Voice Command, Extended Memory, Multi-Fiber. (Johnson Controls, Inc. #JDVC-EMF).....	3,045.65	44.01
28 46 13 31-0903 EA Digital Voice Command, Extended Memory, Single-Fiber. (Johnson Controls, Inc. #JDVC-EMSF).....	3,045.65	44.01
28 46 13 31-0904 EA Annunciator, Network Control. (Johnson Controls, Inc. #JNCA).....	3,602.77	58.68
28 46 13 31-0905 EA Network Control Annunciator-2, 640-characters; On Single Panel (one JCPU2-640) JCPU2-640 Systems, The JNCA-2 Can Be The Primary Display For The Panel And Connects Directly To The JCPU2-640. On Network Systems (Two Or More JCPU2-640's), One Network Display (Either JNCA-2 Or IFW) Is Required For Every System And Each JNCA-2 Connects To And Requires An NCM Network Control Module. Mounts In A Row Of FACP Node Or In Two Annunciator Module Positions. (Johnson Controls, Inc. #JNCA-2).....	3,050.96	58.68
Note: Mounting Includes: NCA/640-2-Kit (directly Mounting To The CHS2-M2), CA-2, ADP-4B, Or In An Annunciator Box, Such As The ABS-2DB (requires The CHS-2D).		
28 46 13 31-0906 EA Mass Notification Voice Paging; Requires JNOTIFY-PAA Hardware Package (Sold Separately). (Johnson Controls, Inc. #JNOTIFY-IP).....	2,552.76	352.11
28 46 13 31-0907 EA 160 Character Display Annunciator; For Use With JCPU-3030 And JCPU2-3030. (Johnson Controls, Inc. #LCD-160).....	2,162.97	58.68
28 46 13 31-0908 EA 80 Character LCD Annunciator. Mounts In ABS-1T, ABF-1D, ABF-2D, Or Flush Back Box. (Johnson Controls, Inc. #LCD-80).....	1,776.56	58.68
28 46 13 31-0909 EA Loop Control Module. Each LCM May Be Expanded To Two Loops By Adding A LEM-320. IFC2- 3030 And IFC-3030 Only. (Johnson Controls, Inc. #LCM-320).....	2,868.67	58.68
28 46 13 31-0910 EA Lamp Driver Annunciator Control Module. For Use With Custom Graphic Annunciators. 32 Points. (Johnson Controls, Inc. #LDM-32).....	888.89	14.67
28 46 13 31-0911 EA Cable 24": LDM TO Annunciator. (Johnson Controls, Inc. #LDM-CBL24).....	284.09	11.74
28 46 13 31-0912 EA Cable 48": LDM TO Annunciator. (Johnson Controls, Inc. #LDM-CBL48).....	350.64	11.74

28 Electronic Safety and Security**28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

28 46 13 31-0913	EA	Lamp Driver Annunciator Expander Module. For Use With Custom Graphic Annunciators. 32 Points. (Johnson Controls, Inc. #LDM-E32).....	715.17	14.67
28 46 13 31-0914	EA	Relay Module. 32 Form-A Contacts. Connects To LDM-32 Or LDM-E32. (Johnson Controls, Inc. #LDM-R32).....	1,315.93	14.67
28 46 13 31-0915	EA	Loop Expander Module. Mounts As Daughter Board To LCM-320 To Provide Even Numbered SLC Loops. (Johnson Controls, Inc. #LEM-320).....	2,387.63	14.67
28 46 13 31-0916	EA	Addressable Control Module With FlashScan; Configured For One Class A Or Class B NAC. (Johnson Controls, Inc. #M300CJ).....	183.49	14.67
28 46 13 31-0917	EA	Addressable Dual Monitor Module; With FlashScan, Two Class B Circuits. (Johnson Controls, Inc. #M300DJ).....	294.77	14.67
28 46 13 31-0918	EA	Addressable Monitor Module; With FlashScan; Supervises Either A Class A Or Class B Circuit Of N.D. Dry-contact Input Devices. (Johnson Controls, Inc. #M300MJ).....	143.18	14.67
28 46 13 31-0919	EA	Addressable Relay Module With FlashScan; Provides Two Form-C Dry Contacts That Switch Together. (Johnson Controls, Inc. #M300RJ).....	202.54	14.67
28 46 13 31-0920	EA	Addressable Mini Module With FlashScan; Supervises A Class B Circuit Of N.D. Dry-contact Devices. (Johnson Controls, Inc. #M301MJ).....	158.77	14.67
28 46 13 31-0921	EA	Addressable 2-Wire Detector Monitor Module; With FlashScan. (Johnson Controls, Inc. #M302MJ).....	261.44	14.67
28 46 13 31-0922	EA	Addressable Firephone Control Module With Flashscan. (Johnson Controls, Inc. #M500FPJ).....	298.71	14.67
28 46 13 31-0923	EA	SLC Loop Isolator Module; Isolates Against Short Circuits On The SLC. (Johnson Controls, Inc. #M500XJ).....	166.70	14.67
28 46 13 31-0924	EA	Network INTFC, P2P, Wire. (Johnson Controls, Inc. #MIB-W).....	2,513.28	44.01
28 46 13 31-0925	EA	Network Adapter, Fiber. (Johnson Controls, Inc. #NAM-232F).....	2,238.06	29.35
28 46 13 31-0926	EA	Network Adapter, Wire. (Johnson Controls, Inc. #NAM-232W).....	2,068.00	29.35
28 46 13 31-0927	EA	Plate, Retrofit, NCA-2. (Johnson Controls, Inc. #NCA-2RETRO).....	76.44	5.87
28 46 13 31-0928	EA	Network Control Module - Multi Mode Fiber; Order One NCM Per Network Node (JCPU-640/3030, JNCA, JCPU2-640/3030, JNCA-2, DVC, Etc). (Johnson Controls, Inc. #NCM-F).....	1,808.13	29.35
28 46 13 31-0929	EA	Network Control Module - Wire; Order One NCM Per Network Node (JCPU-640/3030, JNCA, JCPU2-640/3030, JNCA-2, DVC, Etc). (Johnson Controls, Inc. #NCM-W).....	1,721.37	29.35
28 46 13 31-0930	EA	NFV-25/50. (Johnson Controls, Inc. #NFV-25/50).....	4,399.17	58.68
28 46 13 31-0931	EA	NU-RPT101-1U RS485. (Johnson Controls, Inc. #NU-RPT101-1U).....	1,218.46	29.35
28 46 13 31-0932	EA	Key Switch, Remote Control. (Johnson Controls, Inc. #RKS-S).....	332.15	11.74
28 46 13 31-0933	EA	Microphone Assembly For Mounting To An ADP-4 Dress Panel. (Johnson Controls, Inc. #RM-1).....	766.68	29.35
28 46 13 31-0934	EA	Microphone Assembly For Mounting In An CAB-RM Cabinet. (Johnson Controls, Inc. #RM-1SA).....	766.68	29.35
28 46 13 31-0935	EA	Remote Page Jack. Allows Remote All-Call Paging. (Johnson Controls, Inc. #RPJ-1).....	204.64	11.74
28 46 13 31-0936	EA	SA-WBB, Weatherproof. (Johnson Controls, Inc. #SA-WBB).....	53.54	5.87
28 46 13 31-0937	EA	SA-WBBC, Weatherproof. (Johnson Controls, Inc. #SA-WBBC).....	53.54	5.87
28 46 13 31-0938	EA	Strobe, Standard, 12/24 Volt DC, Red (Johnson Controls, Inc. #SCR).....	198.96	44.01
28 46 13 31-0939	EA	Strobe, HI, 12/24 Volt DC, Red (Johnson Controls, Inc. #SCRH).....	224.82	44.01
28 46 13 31-0940	EA	Strobe, HI, Outdoor, Red. (Johnson Controls, Inc. #SCRHK).....	266.14	49.88
28 46 13 31-0941	EA	Strobe, Standard, Outdoor, Red. (Johnson Controls, Inc. #SCRK).....	262.43	49.88
28 46 13 31-0942	EA	Smoke Control Master; Includes Eight On/off/auto Switches. Supports One SCE-8. Includes Manual, Slide-in Labels. Mounts In ADP-4 Or ABS-4D. (Johnson Controls, Inc. #SCS-8).....	1,822.63	117.37
28 46 13 31-0943	EA	Smoke Control Lamp Driver. Outputs For 8 On/off/auto Switches With LED's. Intended For Custom Built Smoke Control Stations. Support One SCE-8L. (Johnson Controls, Inc. #SCS-8L).....	1,415.94	117.37
28 46 13 31-0944	EA	Strobe, Standard, 12/24 Volt DC, White (Johnson Controls, Inc. #SCW).....	198.96	44.01
28 46 13 31-0945	EA	Strobe, HI, 12/24 Volt DC, Red (Johnson Controls, Inc. #SCWH).....	224.82	44.01
28 46 13 31-0946	EA	Strobe, Standard, 12/24 Volt DC, White (Johnson Controls, Inc. #SCW-P).....	198.96	44.01
28 46 13 31-0947	EA	Mounting Kit, M300/M500. (Johnson Controls, Inc. #SMB500).....	35.21	11.74
28 46 13 31-0948	EA	SMK-MOV Kit-LON. (Johnson Controls, Inc. #SMK-MOVKit-LON).....	41.41	5.87
28 46 13 31-0949	EA	SMK-MOV Kit-MSTP. (Johnson Controls, Inc. #SMK-MOVKit-MSTP).....	47.35	5.87
28 46 13 31-0950	EA	SPBBS, Wall, Back Box. (Johnson Controls, Inc. #SPBBS).....	41.46	5.87
28 46 13 31-0951	EA	Strobe, Standard, 12/24 Volt DC, Red (Johnson Controls, Inc. #SR).....	181.12	44.01
28 46 13 31-0952	EA	Strobe, HI, 12/24 Volt DC, Red (Johnson Controls, Inc. #SRH).....	224.82	44.01
28 46 13 31-0953	EA	Strobe, HI, Outdoor, Red. (Johnson Controls, Inc. #SRHK).....	266.14	49.88
28 46 13 31-0954	EA	Strobe, HI, 12/24 Volt DC, Red (Johnson Controls, Inc. #SRH-P).....	224.82	44.01
28 46 13 31-0955	EA	Strobe, Standard, Outdoor, Red. (Johnson Controls, Inc. #SRK).....	262.43	49.88
28 46 13 31-0956	EA	Strobe, Standard, 12/24 Volt DC, Red (Johnson Controls, Inc. #SR-P).....	198.96	44.01
28 46 13 31-0957	EA	Strobe, Standard, 12/24 Volt DC, White (Johnson Controls, Inc. #SW).....	198.96	44.01
28 46 13 31-0958	EA	Strobe, HI, 12/24 Volt DC, White (Johnson Controls, Inc. #SWH).....	224.82	44.01
28 46 13 31-0959	EA	Strobe, HI, 12/24 Volt DC, White (Johnson Controls, Inc. #SWH-P).....	224.82	44.01
28 46 13 31-0960	EA	Strobe, Standard, 12/24 Volt DC, White (Johnson Controls, Inc. #SW-P).....	198.96	44.01
28 46 13 31-0961	EA	Firefighter's Telephone Handset Only. (Johnson Controls, Inc. #TELH-1).....	286.28	14.67
28 46 13 31-0962	EA	Universal Digital Alarm Communicator Transmitter. (Johnson Controls, Inc. #UDACT).....	1,264.81	58.68
28 46 13 31-0963	EA	Speaker Strobe, Ceiling, White, 2 W (MAX), Dual Voltage, Multi (Johnson Controls, Inc. #SPSCW).....	296.50	58.68
28 46 13 31-0964	EA	Speaker, White, Ceiling Mount. (Johnson Controls, Inc. #SPCW).....	125.77	29.35
28 46 13 31-0965	EA	Speaker, White, Ceiling Mount, High Db. (Johnson Controls, Inc. #SPCWV).....	125.77	29.35
28 46 13 31-0966	EA	Speaker Strobe, Red, Ceiling Mount, Standard Candela. (Johnson Controls, Inc. #SPSCR).....	237.81	29.35
28 46 13 31-0967	EA	Speaker Strobe, Red, Ceiling Mount, High Candela. (Johnson Controls, Inc. #SPSCRH).....	259.24	29.35
28 46 13 31-0968	EA	Speaker Strobe, Red, Ceiling Mount, High Candela, High Db. (Johnson Controls, Inc. #SPSCRHV).....	259.24	29.35
28 46 13 31-0969	EA	Speaker Strobe, White, Ceiling Mount, High Db. (Johnson Controls, Inc. #SPSCWV).....	229.29	29.35
28 46 13 31-0970	EA	Speaker Strobe Wall, WP, White, 2W (MAX), Dual Volt, Multi D (Johnson Controls, Inc. #SPSWK).....	315.10	29.35
28 46 13 31-0971	EA	Speaker Strobe, Wall, White, Standard Candela. (Johnson Controls, Inc. #SPSW).....	237.81	29.35
28 46 13 31-0972	EA	Wall Mount Speaker, White. (Johnson Controls, Inc. #SPW).....	125.77	29.35
28 46 13 31-0973	EA	Wall Mount Speaker, Red. (Johnson Controls, Inc. #SPR).....	125.77	29.35
28 46 13 31-0974	EA	Speaker Strobe, Wall, White, High Cd. (Johnson Controls, Inc. #SPSWH).....	259.24	29.35
28 46 13 31-0975	EA	Speaker Strobe, Wall, Red, High Cd. (Johnson Controls, Inc. #SPSR).....	237.81	29.35
28 46 13 31-0976	EA	Speaker Strobe, Wall, Red, High Db, High Candela. (Johnson Controls, Inc. #SPSRV).....	237.81	29.35

28 46 13 31-0977 Honeywell Fire Alarm (28 46 13 31)

28 46 13 31-0978 Notifier Fire Alarm (28 46 13 31-0977)

28 46 13 31-0979 Fire Alarm Control Panel And Accessories (28 46 13 31-0978)

28 46 13 31-0980	EA	NFS2-3030 CPU For Intelligent Fire Alarm Control Panel (Notifier CPU2-3030D).....	5,251.96	586.86
28 46 13 31-0981	EA	NFS2-640 CPU For Intelligent Fire Alarm Control Panel (Notifier CPU2-640).....	4,409.99	586.86
28 46 13 31-0982	EA	Central Processing Unit for NFS2-640 With Integral 240 Volt Power Supply Includes Chassis (Notifier CPU2-640E).....	4,557.96	586.86
28 46 13 31-0983	EA	Black, 120 Volt AC, Intelligent Fire Alarm Control Panel (Notifier NFS-320).....	5,242.05	586.86

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0984	EA	Supports Installation Of Optional ACM-Series Annunciator In Same Cabinet, Black, 120 Volt AC, Intelligent Fire Alarm Control Panel (Notifier NFS-320C).....	6,014.81	586.86
28 46 13 31-0985	EA	Black, 240 Volt AC, Intelligent Fire Alarm Control Panel (Notifier NFS-320E).....	5,856.44	586.86
28 46 13 31-0986	EA	Red, 120 Volt AC, Intelligent Fire Alarm Control Panel (Notifier NFS-320R).....	5,705.22	586.86
28 46 13 31-0987	EA	Two-Tone Sequential Module (Notifier 2TTM).....	390.89	29.35
28 46 13 31-0988	EA	5', Not Low Loss, Antenna Cable (Notifier 7626-5C).....	98.66	5.87
28 46 13 31-0989	EA	25', Low Loss, Antenna Cable (Notifier 7626-25HC).....	188.98	11.74
28 46 13 31-0990	EA	50', Low Loss, Antenna Cable (Notifier 7626-50HC).....	287.04	17.61
28 46 13 31-0991	EA	IPGSM-COM, IPGSM-COMa Handheld Programmer (Notifier 7720P).....	461.99	
28 46 13 31-0992	EA	RJ45-DB9F Serial Programming Cable (Notifier ALMSC-119).....	65.32	
28 46 13 31-0993	EA	120 Volt AC Power Supply, Chassis, 80-Character Display, Keypad, NFS-320SYS CPU (Notifier CPU-320SYS).....	5,586.15	586.86
28 46 13 31-0994	EA	240 Volt AC Power Supply, Chassis, 80-Character Display, Keypad, NFS-320SYS CPU (Notifier CPU-320SYSE).....	5,644.50	586.86
28 46 13 31-0995	EA	3 dB Gain External/Remote Antenna (Notifier GSM-ANT3dB).....	246.31	5.87
28 46 13 31-0996	EA	Plug In Transformer Box For IPGSM Communicator (Notifier HPTCOVER).....	74.85	5.87
28 46 13 31-0997	EA	Mounting Bracket Kit For SFB-5UD, SFB-10UD, NFW2-100 And NFW-50 (Notifier IPBRKT).....	105.33	11.74
28 46 13 31-0998	EA	Chassis To Mount IP Communicator In CHSA Series Chassis (Notifier IPCHSKIT).....	103.17	14.67
28 46 13 31-0999	EA	IP Communicator (Notifier IPDACT-2).....	796.91	29.35
28 46 13 31-1000	EA	IP Communicator With Upload/Download Capability (Notifier IPDACT-2UD).....	925.51	29.35
28 46 13 31-1001	EA	Red, IP Communicator External Mounting Enclosure (Notifier IPENC).....	211.09	29.35
		Note: Includes IPBRKT.		
28 46 13 31-1002	EA	Black, IP Communicator External Mounting Enclosure (Notifier IPENC-B).....	210.49	29.35
		Note: Includes IPBRKT		
28 46 13 31-1003	EA	Dual 8TPC To Single 8TPC Y-Splitter With Two 9" Cables For Combining Panel Phone Jacks To One IPDACT Input (Notifier IPSPLT).....	52.88	11.74
28 46 13 31-1004	EA	Loop Control Module (Notifier LCM-320).....	1,778.19	58.68
28 46 13 31-1005	EA	Loop Expander Module (Notifier LEM-320).....	1,829.60	58.68
28 46 13 31-1006	EA	Keyboard Display Module For CPU2-640 (Notifier KDM-R2).....	1,354.46	58.68
28 46 13 31-1007	EA	7' DACT Phone Cord (Notifier MCBL-7).....	25.67	
28 46 13 31-1008	EA	Back Box For UDACT, With Viewing Window And Optional Relay Mount (Notifier UBS-1).....	227.60	14.67
28 46 13 31-1009	EA	Red, Metal Enclosure With Solid Door For Remote Mounting Of The UDACT-2 (Notifier UBS-1R).....	256.93	29.35
28 46 13 31-1010	EA	Black, Metal Enclosure With Solid Door For Remote Mounting Of The UDACT-2 (Notifier UBS-1B).....	256.93	29.35
28 46 13 31-1011	EA	Universal Digital Alarm Communicator Transmitter (Notifier UDACT-2).....	806.79	29.35
28 46 13 31-1012	EA	Universal Zone Coder (Notifier UZC-256).....	1,123.78	29.35
28 46 13 31-1013	EA	Hardware Kit To Connect UZC-256 To A PC (Notifier UZC-HI).....	350.92	
		Note: Includes null modem cable, AC power adapter, and 9-pin to 25-pin converter.		
28 46 13 31-1014	EA	Programming Software For ONYX Series Products, DVC And Associated Amplifiers, DVC-RPU And UDACT-2 (Notifier VERIFIRE-TCD).....	863.51	
28 46 13 31-1015	EA	ONYX Series Verifire Tools Upgrade (Notifier VERIFIREUG-TCD).....	549.13	
28 46 13 31-1016	EA	Central Station Receiver For Fire And Security (Notifier VISORALARM-PLUS).....	4,990.90	17.61
28 46 13 31-1017	EA	Surface Back Box For NBG-12LRA (Notifier SBA-10).....	55.66	14.67
28 46 13 31-1018	EA	Up To 50 Addressable Devices Supported, Addressable Fire Alarm Control Panel (Notifier NFW-50X).....	2,370.90	586.86
28 46 13 31-1019	EA	Up To 198 Addressable Devices Supported, Addressable Fire Alarm Control Panel (Notifier NFW-100X).....	3,472.35	586.86
28 46 13 31-1020 ONYX Cabinets (28 46 13 31-0978)				
28 46 13 31-1021	EA	Red, Two Tier Door For CA-2 Chassis Configuration (Notifier ADDR-B4R).....	663.29	14.67
28 46 13 31-1022	EA	Red, Three Tier Door For CA-2 Chassis Configuration (Notifier ADDR-C4R).....	891.30	14.67
28 46 13 31-1023	EA	Red, Four Tier Door For CA-2 Chassis Configuration (Notifier ADDR-D4R).....	1,102.04	14.67
28 46 13 31-1024	EA	Battery Dress Plate For NFS-640 And NFS-3030 (Notifier BP-4).....	134.04	17.61
28 46 13 31-1025	EA	Chassis Bridge (Notifier CB-1).....	121.93	14.67
28 46 13 31-1026	EA	Four Position Chassis (Notifier CHS-4).....	206.17	14.67
28 46 13 31-1027	EA	Low Profile 1st Row Chassis Assembly For CPU-640 / CPU-640E (Notifier CHS-M2).....	188.55	29.35
28 46 13 31-1028	EA	Black, Dress Panel Blank, Covers Unused Cabinet Row(s) (Notifier DP-1B).....	117.96	17.61
28 46 13 31-1029	EA	Dress Plate For Top Row With CPU2-3030D (Notifier DP-DISP).....	150.41	17.61
28 46 13 31-1030	EA	One Tier, "A" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-A4).....	340.44	29.35
28 46 13 31-1031	EA	One Tier, "A" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-A4B).....	220.47	29.35
28 46 13 31-1032	EA	Two Tier, "B" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-B4).....	433.62	44.01
28 46 13 31-1033	EA	Two Tier, "B" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-B4B).....	274.03	44.01
28 46 13 31-1034	EA	Three Tier, "C" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-C4).....	644.56	58.68
28 46 13 31-1035	EA	Three Tier, "C" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-C4B).....	401.33	58.68
28 46 13 31-1036	EA	Four Tier, "D" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-D4).....	782.86	73.36
28 46 13 31-1037	EA	Four Tier, "D" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-D4B).....	468.09	73.36
28 46 13 31-1038	EA	Black, One Tier, "AA" Size Door Assembly With Window, Lock And Keys (Notifier DR-AA4).....	327.03	14.67
28 46 13 31-1039	EA	Black, One Tier, "AA" Size Door Assembly, Lock And Keys (Notifier DR-AA4B).....	224.62	14.67
28 46 13 31-1040	EA	Red, One Tier, "AA" Size Door Assembly, Lock And Keys (Notifier DR-AA4BR).....	224.62	14.67
28 46 13 31-1041	EA	Red, One Tier, "AA" Size Door Assembly With Window, Lock And Keys (Notifier DR-AA4R).....	332.98	14.67
28 46 13 31-1042	EA	Red, One Tier, "A" Size Blank Door Assembly, Lock And Keys (Notifier DR-A4BR).....	253.20	14.67
28 46 13 31-1043	EA	Red, One Tier, "A" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-A4R).....	422.28	14.67
28 46 13 31-1044	EA	Red, Two Tier, "B" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-B4BR).....	288.33	14.67
28 46 13 31-1045	EA	Red, Two Tier, "B" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-B4R).....	503.25	14.67
28 46 13 31-1046	EA	Red, Three Tier, "C" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-C4BR).....	415.14	14.67
28 46 13 31-1047	EA	Red, Three Tier, "C" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-C4R).....	747.34	14.67
28 46 13 31-1048	EA	Red, Four Tier, "D" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-D4BR).....	465.15	14.67
28 46 13 31-1049	EA	Red, Four Tier, "D" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-D4R).....	894.99	14.67
28 46 13 31-1050	EA	Black, Two Tiers, Equipment Back Box Assembly (Notifier EQBB-B4).....	428.99	29.35
28 46 13 31-1051	EA	Black, Three Tiers, Equipment Back Box Assembly (Notifier EQBB-C4).....	633.79	29.35
28 46 13 31-1052	EA	Black, Four Tiers, Equipment Back Box Assembly (Notifier EQBB-D4).....	743.33	29.35
28 46 13 31-1053	EA	Black, Vented, Two Tiers, Equipment Door Assembly (Notifier EQDR-B4).....	449.23	29.35
28 46 13 31-1054	EA	Black, Vented, Three Tiers, Equipment Door Assembly (Notifier EQDR-C4).....	679.03	29.35
28 46 13 31-1055	EA	Black, Vented, Four Tiers, Equipment Door Assembly (Notifier EQDR-D4).....	793.34	29.35
28 46 13 31-1056	EA	Red, Two Tiers, Equipment Back Box Assembly (Notifier EQBB-B4R).....	432.56	29.35
28 46 13 31-1057	EA	Red, Three Tiers, Equipment Back Box Assembly (Notifier EQBB-C4R).....	633.79	29.35
28 46 13 31-1058	EA	Red, Four Tiers, Equipment Back Box Assembly (Notifier EQBB-D4R).....	752.86	29.35
28 46 13 31-1059	EA	Red, Vented, Two Tiers, Equipment Door Assembly (Notifier EQDR-B4R).....	470.66	29.35
28 46 13 31-1060	EA	Red, Vented, Three Tiers, Equipment Door Assembly (Notifier EQDR-C4R).....	679.03	29.35
28 46 13 31-1061	EA	Red, Vented, Four Tiers, Equipment Door Assembly (Notifier EQDR-D4R).....	793.34	29.35

28 Electronic Safety and Security**28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

28 46 13 31-1062	EA	Back Box With Door For ONYX Firstvision™ (Notifier FIRSTVISION-ENC).....	3,386.98	146.71
28 46 13 31-1063	EA	CAB-4 Series Mounting Kit (Notifier P40-KITB).....	402.79	29.35
		Note: Includes chassis, hinged dress plate, and mounting hardware.		
28 46 13 31-1064	EA	Black, One Tier Back Box Assembly (Notifier SBB-AA4).....	389.89	88.03
28 46 13 31-1065	EA	Black, Two Tier Back Box Assembly (Notifier SBB-B4).....	550.47	117.37
28 46 13 31-1066	EA	Black, Three Tier Back Box Assembly (Notifier SBB-C4).....	720.28	117.37
28 46 13 31-1067	EA	Black, Four Tier Back Box Assembly (Notifier SBB-D4).....	877.07	146.71
28 46 13 31-1068	EA	Black, Mini, One Tier, Back Box (Notifier SBB-AA4).....	252.76	29.35
28 46 13 31-1069	EA	Red, Mini, One Tier, Back Box (Notifier SBB-AA4R).....	252.76	29.35
28 46 13 31-1070	EA	Red, One Tier Back Box Assembly (Notifier SBB-A4R).....	307.54	29.35
28 46 13 31-1071	EA	Red, Two Tier Back Box Assembly (Notifier SBB-B4R).....	427.80	29.35
28 46 13 31-1072	EA	Red, Three Tier Back Box Assembly (Notifier SBB-C4R).....	626.64	29.35
28 46 13 31-1073	EA	Red, Four Tier Back Box Assembly (Notifier SBB-D4R).....	740.95	29.35
28 46 13 31-1074	EA	Trim Ring For NFS-320 Cabinet (Notifier TR-320).....	244.18	17.61
28 46 13 31-1075	EA	Red, Trim Ring For NFS-320 Cabinet (Notifier TR-320R).....	244.18	17.61
28 46 13 31-1076	EA	Black, AA Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-AA4).....	329.31	17.61
28 46 13 31-1077	EA	Black, A Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-A4).....	260.25	17.61
28 46 13 31-1078	EA	Black, B Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-B4).....	262.04	17.61
28 46 13 31-1079	EA	Black, C Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-C4).....	259.06	17.61
28 46 13 31-1080	EA	Black, D Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-D4).....	265.61	17.61
28 46 13 31-1081	EA	2" Filler Dress Plate For ADP-4B Installed In The Top Row Of A CAB-4 Series Back Box (Notifier VP-2B).....	94.03	17.61
28 46 13 31-1082	EA	Wire Trays For Routing Wire In A CAB-4 Series Back Box (Notifier WC-2).....	65.56	5.87

28 46 13 31-1083 NFS2-3030/640 Cabinet Mechanicals (28 46 13 31-0978)

28 46 13 31-1084	EA	Dress Plate For Middle Rows With CPU2-640 (Notifier ADP2-640).....	127.03	17.61
28 46 13 31-1085	EA	Blank Module Dress Plate (Notifier BM-1B).....	105.65	17.61
28 46 13 31-1086	EA	Battery Dress Plate For NFS2-3030, NFS2-640, NCA-2 And DVC System (Notifier BP2-4).....	119.49	17.61
28 46 13 31-1087	EA	Four Position Expansion Chassis (Notifier CHS-4MB).....	321.07	14.67
28 46 13 31-1088	EA	Standard 1st Row Chassis Assembly For CPU-3030 (Notifier CHS-M3).....	269.16	44.01
28 46 13 31-1089	EA	Dress Plate For Top Row With CPU2-640 (Notifier DP-DISP2).....	132.06	17.61

28 46 13 31-1090 NFS-3030/640 Cabinet Mechanicals (28 46 13 31-0978)

28 46 13 31-1091	EA	Annunciator Dress Plate (Notifier ADP-4B).....	120.74	17.61
28 46 13 31-1092	EA	Blank Module Dress Plate (Notifier BMP-1).....	76.72	17.61
28 46 13 31-1093	EA	Low Profile Four Position Chassis For AA-30 Or LDM (Notifier CHS-4L).....	171.26	29.35
28 46 13 31-1094	EA	Module Dress Plate (Notifier MP-1B).....	122.00	17.61

28 46 13 31-1095 Battery Cabinets (28 46 13 31-0978)

28 46 13 31-1096	EA	Six Position Chassis (Notifier CHS-6).....	111.89	29.35
28 46 13 31-1097	EA	Black, 24" x 14" x 7-3/4" Battery Back Box (Notifier NFS-LBB).....	545.86	88.03

28 46 13 31-1098 Digital Voice (28 46 13 31-0978)

28 46 13 31-1099	EA	Chassis Used With BB-XP (Notifier 18439).....	59.71	14.67
28 46 13 31-1100	EA	220 Volt AC, 100 Watt, 70.7 VRMS, Tone Generator, Audio Amplifier (Notifier AA-100E).....	2,295.37	44.01
28 46 13 31-1101	EA	220 Volt AC, 120 Watt, 25 VRMS, Tone Generator, Audio Amplifier (Notifier AA-120E).....	2,230.92	44.01
28 46 13 31-1102	EA	220 Volt AC, 30 Watt, 25 VRMS Audio Amplifier (Notifier AA-30E).....	1,122.49	44.01
28 46 13 31-1103	EA	Black, Two Tier Door For CA-2 Chassis Configuration (Notifier ADDR-B4).....	549.66	44.01
28 46 13 31-1104	EA	Black, Three Tier Door For CA-2 Chassis Configuration (Notifier ADDR-C4).....	745.03	58.68
28 46 13 31-1105	EA	Black, Four Tier Door For CA-2 Chassis Configuration (Notifier ADDR-D4).....	927.83	73.36
28 46 13 31-1106	EA	Multimode Audio Fiber Link Receiver (Notifier AFL-RM).....	974.80	29.35
28 46 13 31-1107	EA	Multimode Audio Fiber Link Transmitter (Notifier AFL-TM).....	974.80	29.35
28 46 13 31-1108	EA	Single Mode Audio Fiber Link Transmitter (Notifier AFL-TS).....	2,088.50	29.35
28 46 13 31-1109	EA	15" x 8-3/8" x 3-3/8", Flush Or Surface Mounted Back Box (Notifier AFAWS-BX).....	126.69	14.67
28 46 13 31-1110	EA	Flush Mounted, Key Lock, Door (Notifier AFAWS-KR).....	215.10	14.67
28 46 13 31-1111	EA	Surface Mounted, Key Lock, Door (Notifier AFAWS-KS).....	216.29	14.67
28 46 13 31-1112	EA	Flush Mounted, Latch Style Lock, Door (Notifier AFAWS-LR).....	209.15	14.67
28 46 13 31-1113	EA	Surface Mounted, Latch Style Lock, Door (Notifier AFAWS-LS).....	211.53	14.67
28 46 13 31-1114	EA	Armored Coil Cord, Telephone Chassis (Notifier AFAWS-TELA).....	433.00	14.67
28 46 13 31-1115	EA	Coil Cord, Telephone Chassis (Notifier AFAWS-TELC).....	330.60	14.67
28 46 13 31-1116	EA	Hammer Attached To Chain, Breakglass Insert (Notifier BRKG-B).....	135.57	
28 46 13 31-1117	EA	For 25 VRMS DAX Or DAA2 Series, Back-Up Digital Amplifier (Notifier BDA-25V).....	581.72	29.35
28 46 13 31-1118	EA	For 70 VRMS DAX Or DAA2 Series, Back-Up Digital Amplifier (Notifier BDA-70V).....	587.00	29.35
28 46 13 31-1119	EA	Blank Dress Plate For CA-2 (Notifier BP-CA2).....	124.90	14.67
28 46 13 31-1120	EA	One Tier Chassis For Digital Voice Command Panel (Notifier CA-1).....	149.24	29.35
28 46 13 31-1121	EA	Two Tier Chassis For Digital Voice Command Panel, With MIC-1 (Notifier CA-2).....	457.83	44.01
28 46 13 31-1122	EA	Black, 6.08" x 8.301" x 3.655", Remote Cabinet (Notifier CAB-RM).....	250.98	29.35
28 46 13 31-1123	EA	Red, 6.08" x 8.301" x 3.655", Remote Cabinet (Notifier CAB-RMR).....	250.98	29.35
28 46 13 31-1124	EA	Chassis, Phone Well, TELH-1 And Hardware (Notifier CFFT-1).....	327.03	14.67
28 46 13 31-1125	EA	Chassis With Paging Microphone With Well (Notifier CMIC-1).....	323.45	14.67
28 46 13 31-1126	EA	120 Volt AC, 50 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-5025).....	1,867.45	29.35
28 46 13 31-1127	EA	Multi-Mode Fiber-Optic Media 50 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-5025F).....	1,973.97	29.35
28 46 13 31-1128	EA	Single-Mode Fiber-Optic Media 50 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-5025SF).....	1,973.97	29.35
28 46 13 31-1129	EA	120 Volt AC, 50 Watt, 70 VRMS Digital Audio Amplifier (Notifier DAA-5070).....	1,927.83	29.35
28 46 13 31-1130	EA	Multi-Mode Fiber-Optic Media 50 Watt, 70 VRMS Digital Audio Amplifier (Notifier DAA-5070F).....	2,090.05	29.35
28 46 13 31-1131	EA	120 Volt AC, 75 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-7525).....	2,002.04	29.35
28 46 13 31-1132	EA	Single-Mode Fiber-Optic Media 75 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-7525SF).....	2,583.39	29.35
28 46 13 31-1133	EA	Single-Mode Fiber-Optic Media 75 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-7525SF).....	2,583.39	29.35
28 46 13 31-1134	EA	220-240 Volt AC, 50 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA2-5025E).....	1,866.61	29.35
28 46 13 31-1135	EA	220-240 Volt AC, 50 Watt, 70 VRMS Digital Audio Amplifier (Notifier DAA2-5070E).....	1,919.44	29.35
28 46 13 31-1136	EA	220-240 Volt AC, 75 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA2-7525E).....	2,001.86	29.35
28 46 13 31-1137	EA	120 Volt AC, 35 Watt, 25 VRMS, Digital Audio Amplifier (Notifier DAX-3525).....	1,267.49	29.35

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1138	EA	220-240 Volt AC, 35 Watt, 25 VRMS, Digital Audio Amplifier (Notifier DAX-3525E)	1,301.30	29.35
28 46 13 31-1139	EA	120 Volt AC, 35 Watt, 70 VRMS, Digital Audio Amplifier (Notifier DAX-3570)	1,331.94	29.35
28 46 13 31-1140	EA	220-240 Volt AC, 35 Watt, 70 VRMS, Digital Audio Amplifier (Notifier DAX-3570E)	1,376.32	29.35
28 46 13 31-1141	EA	120 Volt AC, 50 Watt, 25 VRMS, Digital Audio Amplifier (Notifier DAX-5025)	1,385.83	29.35
28 46 13 31-1142	EA	220-240 Volt AC, 50 Watt, 25 VRMS, Digital Audio Amplifier (Notifier DAX-5025E)	1,427.04	29.35
28 46 13 31-1143	EA	120 Volt AC, 50 Watt, 70 VRMS, Digital Audio Amplifier (Notifier DAX-5070)	1,468.25	29.35
28 46 13 31-1144	EA	220-240 Volt AC, 50 Watt, 70 VRMS, Digital Audio Amplifier (Notifier DAX-5070E)	1,542.22	29.35
28 46 13 31-1145	EA	Dress Plate For CFFT-1 (Notifier DP-CFFT)	145.15	14.67
28 46 13 31-1146	EA	Dress Panel For One Tier Chassis For Digital Voice Command Panel (Notifier DPA-1)	114.45	17.61
28 46 13 31-1147	EA	Dress Panel For One Tier Chassis For Digital Voice Command Panel, Supports Keypad (Notifier DPA-1A4)	132.06	17.61
28 46 13 31-1148	EA	Dress Panel For Two Tier Chassis For Digital Voice Command Panel (Notifier DPA-2B)	226.40	17.61
28 46 13 31-1149	EA	WPS Power Amplifier (Notifier DPA3204P)	690.56	29.35
28 46 13 31-1150	EA	WPS Power Amplifier (Notifier DPA4001P)	581.72	29.35
28 46 13 31-1151	EA	Modem Interface For Direct Wire (No Dial-Up Capabilities) For Interconnecting Panels (Notifier DPI-232)	1,317.15	29.35
28 46 13 31-1152	EA	120 Volt AC, 125 Watt, 25 VRMS Digital Series Amplifier (Notifier DS-AMP)	984.31	29.35
Note: Can Be Converted To 70 VRMS, 100 Watts With A DS-XF70V				
28 46 13 31-1153	EA	220-240 Volt AC, 125 Watt, 25 VRMS Digital Series Amplifier (Notifier DS-AMPE)	995.93	29.35
Note: Can Be Converted To 70 VRMS, 100 Watts With A DS-XF70V				
28 46 13 31-1154	EA	Digital Series Distribution Board, Supports One To Four DS-AMP Or DS-AMPE (Notifier DS-DB)	1,661.62	29.35
28 46 13 31-1155	EA	125 Watt, 25 VRMS DS Series Backup Amplifier Board (Can Be Converted To 70 VRMS, 100 Watt Amplifier With A DS-XF70V) (Notifier DS-BDA)	645.12	29.35
28 46 13 31-1156	EA	Converts One DAX Or DAA2 DAL Port To Multi-Mode Fiber, Fiber Option Module (Notifier DS-FM)	377.79	29.35
28 46 13 31-1157	EA	Converts One DAX Or DAA2 Port To ST Style Multi-Mode Fiber (For Connection To DVC-EMF Or DAA-XXXF Series Amplifier), Fiber Option Module (Notifier DS-RFM)	377.79	29.35
28 46 13 31-1158	EA	Converts One DAX Or DAA2 DAL Port To Single-Mode Fiber, Fiber Option Module (Notifier DS-SFM)	377.79	29.35
28 46 13 31-1159	EA	Converts DS-AMP, DS-AMPE, Or DS-BDA To 70 VRMS, 100 Watt, DS Series Transformer (Notifier DS-XF70V)	157.81	29.35
28 46 13 31-1160	EA	Analog Output Board For Digital Voice Command (Notifier DVC-AO)	329.12	29.35
28 46 13 31-1161	EA	Extended Memory For Digital Voice Command (Notifier DVC-EM)	1,882.55	29.35
28 46 13 31-1162	EA	Keypad For Digital Voice Command (Notifier DVC-KD)	551.32	58.68
28 46 13 31-1163	EA	Microphone For NFC-50/100, NFC-LOC, NFC-RPU And NFC-RM (Notifier ECC-MICROPHONE)	303.46	
28 46 13 31-1164	EA	Portable Fireman's Telephone Handset (Notifier FHS)	181.41	
28 46 13 31-1165	EA	Red, Fireman's Telephone Handset (Notifier FHS-F)	210.59	
28 46 13 31-1166	EA	Recessed, Fireman's Handset Storage Cabinet, Holds Six Handsets (Notifier FHSC-R)	523.05	29.35
28 46 13 31-1167	EA	Surface Mounted, Fireman's Handset Storage Cabinet, Holds Six Handsets (Notifier FHSC-S)	523.05	29.35
28 46 13 31-1168	EA	Fireman's Phone Jack On A Single Gang Plate (Notifier FPJ)	84.53	8.80
28 46 13 31-1169	EA	Paging Microphone Only (Notifier MIC-1)	223.46	29.35
28 46 13 31-1170	EA	Firefighter's Telephone Handset (Notifier TELH-1)	207.61	
28 46 13 31-1171	EA	Remote Microphone Assembly For Mounting On An ADP-4 Dress Plate (Notifier RM-1)	547.98	29.35
28 46 13 31-1172	EA	Remote Microphone Assembly For Mounting In A Stand-Alone Cabinet (Notifier RM-1SA)	547.98	29.35
28 46 13 31-1173 Amplifiers (28 46 13 31-0978)				
28 46 13 31-1174	EA	30 Watt Audio Amplifier At 25 VRMS, 120 Volt AC (Notifier AA-30)	1,051.12	29.35
28 46 13 31-1175	EA	100 Watt Audio Amplifier At 70.7 VRMS, 120 Volt AC, Tone Generator (Notifier AA-100)	2,290.09	29.35
28 46 13 31-1176	EA	120 Watt Audio Amplifier At 25 VRMS, 120 Volt AC, Tone Generator (Notifier AA-120)	2,224.68	29.35
28 46 13 31-1177	EA	Audio Coupling Transformer (Notifier ACT-1)	163.08	29.35
28 46 13 31-1178	EA	Audio Coupling Transformer For DVC-AO (Notifier ACT-4)	190.75	29.35
28 46 13 31-1179	EA	Audio Coupling Transformer For DAA-5025 (Notifier ACT-25)	190.75	29.35
28 46 13 31-1180	EA	Audio Coupling Transformer For DAA-5070 (Notifier ACT-70)	190.75	29.35
28 46 13 31-1181	EA	50 Watt, 25 Volt, 120 VAC Digital Amplifier (Notifier DAA2-5025)	1,787.36	29.35
28 46 13 31-1182	EA	50 Watt, 70 Volt, 120 VAC Digital Amplifier (Notifier DAA2-5070)	1,848.65	29.35
28 46 13 31-1183	EA	75 Watt, 25 Volt, 120 VAC Digital Amplifier (Notifier DAA2-7525)	1,920.50	29.35
28 46 13 31-1184	EA	Distributed Amplifier With Backup Capability (Notifier NFC-50/100DA)	3,503.36	29.35
Note: Requires NFC-BDA-BU				
28 46 13 31-1185	EA	50 Watt, 25 Volt Amplifier For A Second Speaker Circuit Or Backup (Notifier NFC-BDA-25V)	697.95	29.35
Note: Requires NFC-BDA-BU				
28 46 13 31-1186	EA	50 Watt, 70 Volt Amplifier For A Second Speaker Circuit Or Backup (Notifier NFC-BDA-70V)	701.12	29.35
Note: Requires NFC-BDA-BU				
28 46 13 31-1187 FireVoice-25/50 Emergency Voice Evacuation Control Panels (28 46 13 31-0978)				
28 46 13 31-1188	EA	25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50)	5,187.13	586.86
28 46 13 31-1189	EA	Single Channel 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50DA)	3,611.37	586.86
28 46 13 31-1190	EA	Single Channel 25 Watt, 25 VRMS Voice Evacuation Control Panel Used With NFV-25/50ZS (Notifier NFV-25/50DAZS)	4,743.13	586.86
28 46 13 31-1191	EA	Zoned System 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50ZS)	6,223.13	586.86
28 46 13 31-1192	EA	Zoned System With Telephone 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50ZST)	6,902.19	586.86
28 46 13 31-1193 System Printer (28 46 13 31-0978)				
28 46 13 31-1194	EA	80 Column, 120 Volt AC, Desktop Printer (Notifier PRN-6)	2,274.99	29.35
28 46 13 31-1195 Batteries (28 46 13 31-0978)				
28 46 13 31-1196	EA	5 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-1250-BP)	679.03	29.35
28 46 13 31-1197	EA	7 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-1270-BP)	488.86	29.35
28 46 13 31-1198	EA	12 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-12120-BP)	642.32	29.35
28 46 13 31-1199	EA	18 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-12180-BP)	375.66	29.35
28 46 13 31-1200	EA	26 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-12260-BP)	524.08	29.35
28 46 13 31-1201	EA	55 Ampere Hours, 12 Volt DC, Sealed Battery (Notifier BAT-12550)	522.82	29.35
28 46 13 31-1202	EA	100 Ampere Hours, 12 Volt DC, Sealed Battery (Notifier BAT-121000)	830.74	29.35
28 46 13 31-1203 Battery Back Boxes And Miscellaneous Mechanicals (28 46 13 31-0978)				
28 46 13 31-1204	EA	14-1/2" x 8-1/4" x 4-3/4", Holds Up To Two BAT-12180 Batteries, Battery Back Box (Notifier BB-17)	183.29	23.47

28 Electronic Safety and Security**28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

28 46 13 31-1205	EA	24" x 12.55" x 5.218", Mounts Up To Six XP6 Boards Or ACPS-610, Cabinet (Notifier BB-25) Note: XP6 modules require a CHS-6.	311.29	23.47
28 46 13 31-1206	EA	15.6" x 15.5" x 5.152", Mounts Up To Two 26 Ampere Hours And Charger, Battery Back Box (Notifier BB-26)	433.49	117.37
28 46 13 31-1207	EA	Holds Up To Two BAT-12120 12 Ampere Hours Batteries, Battery Holder (Notifier CHS-BH).....	227.51	58.68
28 46 13 31-1208	EA	Holds Up To Two BAT-12120 12 Ampere Hours Batteries, Battery Holder (Notifier CHS-BH1).....	132.35	14.67
28 46 13 31-1209	EA	Battery Bracket For Two 26 Ampere Hours Batteries (Notifier SEISKIT-BB25).....	356.15	23.47
28 46 13 31-1210	EA	Two 26 Ampere Hours Battery Bracket Seismic Kit For CAB-4 Series Cabinets (Notifier SEISKIT-CAB).....	246.99	23.47
28 46 13 31-1211	EA	Two 12 Ampere Hours Battery Bracket Seismic Kit For DAX, DAA, And DAA2 Series Amplifiers (Notifier SEISKIT-DAA).....	274.97	23.47
28 46 13 31-1212	EA	Two 55 Ampere Hours Battery Bracket Seismic Kit For NFS-LBB (Notifier SEISKIT-LBB)	293.42	23.47
28 46 13 31-1213	EA	Two 7, 12, Or 18 Ampere Hour Battery Bracket Seismic Kit For FIREVOICE 25/50 Series (Notifier SEISKIT-2550).....	438.69	23.47
28 46 13 31-1214	EA	Two 26 Ampere Hour Battery Bracket Seismic Kit For NFS-320 And BB-26 Series (Notifier SEISKIT-320/B26).....	257.70	23.47
28 46 13 31-1215	EA	Two 100 Ampere Hour Battery Bracket Seismic Kit For BB-100 And BB-200 Series (Notifier SEISKIT-BB100)..... Note: Two kits are required for the BB-200	367.25	23.47
28 46 13 31-1216	EA	Two 18 Ampere Hour Battery Bracket Seismic Kit For BB-17 Series (Notifier SEISKIT-BB17)..... Note: Two kits are required for the BB-200	317.24	23.47
28 46 13 31-1217	EA	Two 26 Ampere Hour Battery Bracket Seismic Kit For BB-25 Series (Notifier SEISKIT-BB25)..... Note: Two kits are required for the BB-200	324.38	23.47
28 46 13 31-1218	EA	Two 7, 12, Or 18 Ampere Hour Battery Bracket Seismic Kit For SFP-5UD, SFP-10UD, Firewarden 100-2, RP-2001, And RP-2002 Series (Notifier SEISKIT-COMMENC)..... Note: Two kits are required for the BB-200	282.71	23.47
28 46 13 31-1219	EA	Two 7 Or 12 Ampere Hour Battery Bracket Seismic Kit For FCPS-24S6/8, CAB-PS1, SFP-2402 And SFP-2404 Series (Notifier SEISKIT-PS/2/4)..... Note: Two kits are required for the BB-200	264.85	23.47

28 46 13 31-1220 Power Supplies And Chargers (28 46 13 31-0978)

28 46 13 31-1221	EA	120 Volt AC, 6 Or 10 Amperes, Addressable Charging Power Supply (Notifier ACPS-610).....	1,544.09	44.01
28 46 13 31-1222	EA	220/240 Volt AC, 6 Or 10 Amperes, Addressable Charging Power Supply (Notifier ACPS-610E)	1,620.17	44.01
28 46 13 31-1223	EA	Addressable Power Supply, 120 Volt AC For NFS-3030, NFS2-3030 And NCA-2 (Notifier AMPS-24).....	1,604.57	29.35
28 46 13 31-1224	EA	6A Auxiliary Power Supply (Notifier APS-6R).....	1,056.37	29.35
28 46 13 31-1225	EA	10 Amperes Battery Charger (Notifier BC10A)	1,223.96	44.01
28 46 13 31-1226	EA	33.34" x 22.5" x 7.5", Combination Power Supply And Battery Enclosure For NFS-3030 Or NFS2-3030 (Notifier BB-100)	669.34	35.21
		Note: Holds four 55 ampere hour or two 100 ampere hour batteries		
28 46 13 31-1227	EA	Red, 33.34" x 22.5" x 7.5", Combination Power Supply And Battery Enclosure For NFS-3030 Or NFS2-3030 (Notifier BB-100R)..... Note: Holds four 55 ampere hour or two 100 ampere hour batteries	677.68	35.21
28 46 13 31-1228	EA	30.34" x 36.5" x 7.5", Combination Power Supply And Battery Enclosure For NFS2-3030 (Notifier BB-200)..... Note: Holds four 55 ampere hour or four 100 ampere hour batteries	910.46	35.21
28 46 13 31-1229	EA	30.34" x 36.5" x 7.5", Holds Four 55 Ampere Hours Or Four 100 Ampere Hours Batteries, For NFS2-3030, Red, Combination Power Supply And Battery Enclosure (Notifier BB-200R).....	910.46	35.21
28 46 13 31-1230	EA	15.218" x 14.5" x 3.562" ACPS Stand-Alone Cabinet (Notifier CAB-PS1).....	230.14	29.35
28 46 13 31-1231	EA	25 To 120 Ampere Hours Battery Charger (Notifier CHG-120).....	1,237.28	29.35
28 46 13 31-1232	EA	Mounts XPIQ-PS And/or CHS-BH In A CAB-3/4 Row, Also Mount One ACPS-610 In CAB-3 Row, Chassis Assembly (Notifier CHS-PS).....	103.17	14.67
28 46 13 31-1233	EA	Door Used For Mounting ACPS-610 (E) In A CAB-PS1 Cabinet When Replacing ACPS-2406 (Notifier DR-PS1).....	164.49	14.67
28 46 13 31-1234	EA	8 Amperes, 120 Volt AC Remote Charger Power Supply (Notifier FCPS-24S8).....	820.93	29.35
28 46 13 31-1235	EA	8.0 Amperes, 240 Volt AC Remote Charger Power Supply (Notifier FCPS-24S8E).....	907.26	88.03
28 46 13 31-1236	EA	Red, 8 Amperes, 240 Volt AC Remote Charger Power Supply (Notifier FCPS-24S8R).....	868.17	88.03
28 46 13 31-1237	EA	8 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF8).....	1,004.47	88.03
28 46 13 31-1238	EA	8 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF8E).....	996.02	88.03
28 46 13 31-1239	EA	Chassis Mounted, 8 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF8CM).....	971.39	44.01
28 46 13 31-1240	EA	Chassis Mounted, 8 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF8CME).....	971.39	44.01
28 46 13 31-1241	EA	12 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF12).....	1,204.91	44.01
28 46 13 31-1242	EA	12 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF12E).....	1,151.02	44.01
28 46 13 31-1243	EA	12 Amperes, 24 Volt DC, 120 Volt AC, Chassis Mounted, NAC Fire Alarm Power Supply (Notifier HPFF12CM).....	1,222.87	88.03
28 46 13 31-1244	EA	12 Amperes, 24 Volt DC, 220 Volt AC, Chassis Mounted, NAC Fire Alarm Power Supply (Notifier HPFF12CME).....	1,222.87	88.03
28 46 13 31-1245	EA	6 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF24S6).....	849.15	88.03
28 46 13 31-1246	EA	6 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF24S6E).....	849.15	88.03
28 46 13 31-1247	EA	8 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF24S8).....	916.77	88.03
28 46 13 31-1248	EA	8 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF24S8E).....	916.77	88.03
28 46 13 31-1249	EA	6 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF602ULADA)	736.08	88.03
28 46 13 31-1250	EA	9 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF902ULADA)	868.17	88.03
28 46 13 31-1251	EA	Class A Adapter HPFF8/HPFF12 (Notifier HPP31076)	186.79	14.67
28 46 13 31-1252	EA	Up To 3 Amperes, Main Power Supply And Charger (Notifier MPS-24A).....	1,538.68	29.35
28 46 13 31-1253	EA	Class A (Style Y) NAC Option Module For FCPS-2406 And FCPS-2408 (Notifier ZNAC-4).....	227.76	29.35
28 46 13 31-1254	EA	240 Volt AC Addressable Power Supply (Notifier AMPS-24E)	1,837.59	29.35
28 46 13 31-1255	EA	6 Amperes, 120 Volt AC Auxiliary Power Supply (Notifier APS2-6R).....	879.79	88.03
28 46 13 31-1256	EA	6 Amperes, 220-240 Volt AC Auxiliary Power Supply (Notifier APS2-6RE).....	916.77	88.03
28 46 13 31-1257	EA	25 To 75 Ampere Hour Sealed Lead Acid Battery Charger (Notifier CHG-75).....	836.37	29.35
28 46 13 31-1258	EA	6 Amperes, 240 Volt AC Remote Charger Power Supply (Notifier FCPS-24S6E).....	848.09	88.03
28 46 13 31-1259	EA	6 Amperes, 120 Volt AC Remote Charger Power Supply (Notifier FCPS-24S6R).....	828.01	88.03

28 46 13 31-1260 Network Control Annunciators (28 46 13 31-0978)

28 46 13 31-1261	EA	Network Control Annunciator For NFS2-3030, NFS-3030, NFS-320, NFS-640 And NFS2-640 (Notifier NCA-2).....	2,251.50	88.03
28 46 13 31-1262	EA	Retro-Fit Plate For Mounting NCA2 (Notifier NCA-2RETRO)	86.78	17.61
28 46 13 31-1263	EA	Kit For Mounting NCA-2 To CHS-M2 (Notifier NCA/640-2-Kit)	62.88	17.61

28 46 13 31-1264 FIRSTVISION Firefighter's Display (28 46 13 31-0978)

28 46 13 31-1265	EA	ONYX Firstvision™ Touchscreen Assembly (Notifier FIRSTVISION-LCD)	17,441.53	586.86
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28 46 13 31-1266 FlashScan Addressable Modules (28 46 13 31-0978)

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1267	EA	Intelligent Addressable Control Module (Notifier FCM-1).....	195.78	29.35
28 46 13 31-1268	EA	Addressable Dual Monitor Module (Notifier FDM-1).....	218.43	29.35
28 46 13 31-1269	EA	Intelligent Addressable Monitor Module (Notifier FMM-1).....	163.08	29.35
28 46 13 31-1270	EA	Intelligent Addressable Miniature Monitor Module (Notifier FMM-101).....	145.47	29.35
28 46 13 31-1271	EA	Intelligent Addressable 4 - 20mA Analog Input Module (Notifier FMM-4-20).....	297.67	29.35
28 46 13 31-1272	EA	Intelligent Addressable Relay Module (Notifier FRM-1).....	191.15	29.35
28 46 13 31-1273	EA	Intelligent Addressable 2-Wire Detector Monitor Module (Notifier FZM-1).....	246.10	29.35
28 46 13 31-1274	EA	SLC Loop Powered Fault Isolator Module (Notifier ISO-X).....	160.56	29.35
28 46 13 31-1275 Addressable Device Bases And Accessories (28 46 13 31-0978)				
28 46 13 31-1276	EA	Intelligent Detector Base With Flange (Notifier B710LP).....	62.43	14.67
28 46 13 31-1277	EA	Weatherproof Device Housing (Notifier DH400OE-1).....	500.18	29.35
28 46 13 31-1278	EA	Detector Base For All Wireless Smoke And Heat Detectors (Notifier B210W).....	59.71	14.67
28 46 13 31-1279	EA	Swift AV Base Ceiling (Notifier WAV-CRL).....	337.74	14.67
28 46 13 31-1280	EA	Swift AV Base Wall (Notifier WAV-RL).....	337.74	14.67
28 46 13 31-1281 XP6/XP10 Transponder (28 46 13 31-0978)				
28 46 13 31-1282	EA	Synchronization Daughter Module For XP6-C (Notifier SYNC-1).....	144.84	29.35
28 46 13 31-1283	EA	Six Circuit Supervised Control Module (Notifier XP6-C).....	717.79	29.35
28 46 13 31-1284	EA	Six Zone Intelligent To Conventional Interface Module (Notifier XP6-MA).....	868.73	29.35
28 46 13 31-1285	EA	Six Relay Control Module (Notifier XP6-R).....	690.12	29.35
28 46 13 31-1286	EA	Ten Input Monitor Module (Notifier XP10-M).....	830.99	29.35
28 46 13 31-1287 LCD Display Annunciators (28 46 13 31-0978)				
28 46 13 31-1288	EA	80 Character LCD Fire Annunciator For FireWarden-100-2, NFS-640, NFS2-640 And NFS-320 (Notifier FDU-80).....	924.47	88.03
28 46 13 31-1289	EA	80 Character LCD Annunciator For NFS-640, NFS-3030, NFS2-640, NFS2-3030 And NFS-320 (Notifier LCD-80).....	1,295.54	88.03
28 46 13 31-1290	EA	640 Character LCD Annunciator For NFS-3030 And NFS2-3030 (Notifier LCD-160).....	1,340.82	88.03
28 46 13 31-1291	EA	8 To 16 Switch Smoke Control Expander (Notifier SCE-8).....	968.37	29.35
28 46 13 31-1292	EA	8 To 16 Switch Smoke Control Lamp Driver Expander (Notifier SCE-8L).....	509.96	29.35
28 46 13 31-1293	EA	Eight Switch Smoke Control Master Module (Notifier SCS-8).....	1,256.52	29.35
28 46 13 31-1294	EA	White, 80 Character Display, Remote LCD Annunciator (Notifier N-ANN-80-W).....	607.17	88.03
28 46 13 31-1295 ONLYX ACM And AEM Series LED Annunciators (28 46 13 31-0978)				
28 46 13 31-1296	EA	Remote, Eight Form C Relay Module (Notifier ACM-8R).....	551.63	29.35
28 46 13 31-1297	EA	16 Alarm LEDs, 16 Trouble LEDs, 16 Controls Switches, Annunciator Control Module (Notifier ACM-16AT).....	950.49	29.35
28 46 13 31-1298	EA	16 Alarm LEDs, 16 Trouble LEDs, 16 Control Switches, Annunciator Expander Module (Notifier AEM-16AT).....	727.85	29.35
28 46 13 31-1299	EA	24 Alarm LEDs, 24 Trouble LEDs, 24 Control Switches, Annunciator Control Module (Notifier ACM-24AT).....	950.49	29.35
28 46 13 31-1300	EA	24 Alarm LEDs, 24 Trouble LEDs, 24 Control Switches, Annunciator Expander Module (Notifier AEM-24AT).....	727.85	29.35
28 46 13 31-1301	EA	32 Alarm LEDs And 1 Trouble LED, Control Module (Notifier ACM-32A).....	727.85	29.35
28 46 13 31-1302	EA	32 Alarm And 1 Trouble LED, Annunciator Expander Module (Notifier AEM-32A).....	652.38	29.35
28 46 13 31-1303	EA	48 Alarm And 1 Trouble LED Annunciator Control Module (Notifier ACM-48A).....	727.85	29.35
28 46 13 31-1304	EA	48 Alarm And 1 Trouble LED, Annunciator Expander Module (Notifier AEM-48A).....	652.38	29.35
28 46 13 31-1305 Graphic Annunciator - Lamp Driver Modules (28 46 13 31-0978)				
28 46 13 31-1306	EA	Single Annunciator Flush Mounted Back Box (Notifier ABF-1B).....	301.01	58.68
28 46 13 31-1307	EA	Single Annunciator Flush Mounted Back Box With Glass Door And Key Lock (Notifier ABF-1DB).....	327.43	58.68
28 46 13 31-1308	EA	Two Annunciator Flush Mounted Back Box (Notifier ABF-2B).....	376.89	73.36
28 46 13 31-1309	EA	Two Annunciator Flush Mounted Back Box With Glass Door And Key Lock (Notifier ABF-2DB).....	410.86	73.36
28 46 13 31-1310	EA	Four Annunciator Flush Mounted Back Box (Notifier ABF-4B).....	660.74	102.70
28 46 13 31-1311	EA	Annunciator Blank Plate Used With ACM-32A/ACM-16AT (Notifier ABM-1).....	117.60	17.61
28 46 13 31-1312	EA	Single Annunciator Surface Mounted Back Box (Notifier ABS-1B).....	193.47	58.68
28 46 13 31-1313	EA	Single Annunciator Surface Mounted Back Box With Trim (Notifier ABS-1TB).....	194.10	14.67
28 46 13 31-1314	EA	Two Annunciator Surface Mounted Back Box (Notifier ABS-2B).....	241.90	58.68
28 46 13 31-1315	EA	12" x 12" x 3-3/4" Surface Or Semi-Flush Mount Back Box (Notifier ABS-2D).....	428.47	73.36
28 46 13 31-1316	EA	Red, Surface (Or Semi-Flush) Mounted Back Box For ACS Annunciators, SCS Series, NCA And NCA-2 (Notifier ABS-2DR).....	367.91	14.67
28 46 13 31-1317	EA	Black, 12" x 20" x 3-1/2" Surface Or Semi-Flush Back Box (Notifier ABS-4D).....	694.70	102.70
28 46 13 31-1318	EA	Red, 12" x 20" x 3-1/2" Surface Or Semi-Flush Back Box (Notifier ABS-4DR).....	623.16	17.61
28 46 13 31-1319	EA	Black, 9-15/16" x 4-5/8" x 2-1/2" Surface Back Box (Notifier ABS-8RB).....	232.86	23.47
28 46 13 31-1320	EA	Annunciator Key Switch (Notifier AKS-1B).....	119.12	8.80
28 46 13 31-1321	EA	Chassis Used To Mount NCA-2 In ABS-2D (Notifier CHS-2D).....	112.14	29.35
28 46 13 31-1322	EA	32 Alarm Lamp Driver Annunciator Control Module (Notifier LDM-32).....	652.38	29.35
28 46 13 31-1323	EA	24" Lamp Driver Annunciator Cable (Notifier LDM-CBL24).....	211.18	5.87
28 46 13 31-1324	EA	48" Lamp Driver Annunciator Cable (Notifier LDM-CBL48).....	264.76	5.87
28 46 13 31-1325	EA	32 Alarm Lamp Driver Annunciator Expander Module (Notifier LDM-E32).....	537.92	29.35
28 46 13 31-1326	EA	Lamp Driver Module (Notifier LDM-R32).....	1,029.10	29.35
28 46 13 31-1327	EA	Eight Switch Smoke Control Lamp Driver Master Module (Notifier SCS-8L).....	954.09	29.35
28 46 13 31-1328	EA	48" Cable Assembly For Smoke Control Lamp Driver (Notifier SCS8L-CBL48).....	271.91	5.87
28 46 13 31-1329	EA	Black, Trim Ring For ABS-2D Cabinet (Notifier TR-ABS2D).....	241.80	17.61
28 46 13 31-1330	EA	Black, Trim Ring For ABS-4D Cabinet (Notifier TR-ABS4D).....	139.50	17.61
28 46 13 31-1331	EA	Red, Trim Ring For ABS-4D Cabinet (Notifier TR-ABS4DR).....	139.50	17.61
28 46 13 31-1332	EA	Graphic Annunciator Dress Plate (Notifier DP-GDIS1).....	231.08	17.61
28 46 13 31-1333	EA	Graphic Annunciator Dress Plate (Notifier DP-GDIS2).....	231.08	17.61
28 46 13 31-1334	EA	Input/Output Module For Driving Graphic Annunciators Or Relays (Notifier N-ANN-RLED).....	585.89	29.35
28 46 13 31-1335 Network Gateways (28 46 13 31-0978)				
28 46 13 31-1336	EA	Common Alerting Protocol Gateway (Notifier CAP-GW).....	3,334.30	29.35
28 46 13 31-1337	EA	Fiber-Optic Cable Interface (Multi-Mode), High-Speed Network Communications Module (Notifier HS-NCM-MF).....	2,480.52	29.35

28 Electronic Safety and Security**28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

28 46 13 31-1338	EA	Fiber-Optic Cable Interface (Multi-Mode Fiber To Single-Mode Fiber), High-Speed Network Communications Module (Notifier HS-NCM-MFSF).....	2,795.40	29.35
28 46 13 31-1339	EA	Fiber-Optic Cable Interface (Single-Mode), High-Speed Network Communications Module (Notifier HS-NCM-SF)	3,080.70	29.35
28 46 13 31-1340	EA	Twisted-Pair Wire Interface, High-Speed Network Communications Module (Notifier HS-NCM-W).....	2,502.71	29.35
28 46 13 31-1341	EA	Wire And Fiber-Optic Cable Interface, High-Speed Network Communications Module (Multi-Mode) (Notifier HS-NCM-WMF)	2,435.09	29.35
28 46 13 31-1342	EA	Wire And Fiber-Optic Cable Interface (Single-Mode), High-Speed Network Communications Module (Notifier HS-NCM-WSF).....	2,742.57	29.35
28 46 13 31-1343	EA	Modbus Gateway (Notifier MODBUS-GW).....	2,732.00	29.35
28 46 13 31-1344	EA	22" Widescreen HD LED Color Monitor With Speakers (Notifier MON-22LCDW)	3,162.89	19.36
28 46 13 31-1345	EA	Capacitive Touch-Screen, 22" Widescreen HD LED Color Monitor With Speakers (Notifier MON-22LCDW-TS)	4,705.60	19.36
28 46 13 31-1346	EA	1920x1080P Wide Screen (Notifier MON-42LCDW)	14,923.40	19.36
28 46 13 31-1347	EA	Single Monitor, Wall Mounted, Horizontal, Tilt, Bracket (Notifier MON-42HORZ-SD).....	753.06	44.01
28 46 13 31-1348	EA	Single Monitor, Vertical Mounted, Bracket (Notifier MON-42VERT-SD)	1,395.43	44.01
28 46 13 31-1349	EA	Dual Monitors, Vertical Wall Mounted, Fixed Position, Bracket (Notifier MON-42VERT-DD)	2,045.34	44.01
28 46 13 31-1350	EA	Mass Notification Voice Paging (Notifier NOTIFY-IP)	1,251.07	
28 46 13 31-1351	EA	Embedded NFN Gateway (Notifier NFN-GW-EM).....	2,750.46	29.35
28 46 13 31-1352	EA	NFN Gateway PC Card With Fiber (Notifier NFN-GW-PC-F)	2,750.46	29.35
28 46 13 31-1353	EA	High Speed NFN Gateway PC Card For Multimode Fiber (Included With ONYXworks-HNMF) (Notifier NFN-GW-PC-HNMF)	3,788.65	29.35
28 46 13 31-1354	EA	High Speed NFN Gateway PC Card For Single Mode Fiber (Included With ONYXworks-HNSF) (Notifier NFN-GW-PC-HNSF)	4,412.08	29.35
28 46 13 31-1355	EA	High Speed NFN Gateway PC Card For Wire (Included With ONYXworks-HNW) (Notifier NFN-GW-PC-HNW)	3,788.65	29.35
28 46 13 31-1356	EA	NFN Gateway PC Card With Wire (Notifier NFN-GW-PC-W).....	2,750.46	29.35
28 46 13 31-1357	EA	Alpha-Numeric Pager Option For ONYXworks (Notifier ONYX-PAGER).....	1,813.73	
28 46 13 31-1358	EA	ONYXWorks Workstation (Notifier ONYXWORKS-WS)	27,986.33	704.24
28 46 13 31-1359	EA	Fiber Network Graphical User Interface (Notifier ONYXWorks-Lite OW-LITE-NW).....	7,144.19	
Note: Includes PC slot network fiber card, workstation software and security key with a four node license. Excludes PC workstation.				
28 46 13 31-1360	EA	Wired Network Graphical User Interface (Notifier ONYXWorks-Lite OW-LITE-NF).....	7,144.19	
Note: Includes PC slot network fiber card, workstation software and security key with a four node license. Excludes PC workstation.				
28 46 13 31-1361	EA	Fiber Optics, Standard Network Repeater Board (Notifier RPT-F)	1,157.60	29.35
28 46 13 31-1362	EA	Wire, Standard Network Repeater Board (Notifier RPT-W).....	943.10	29.35
28 46 13 31-1363	EA	Wire To Fiber Optics, Standard Network Repeater Board (Notifier RPT-WF).....	1,121.67	29.35
28 46 13 31-1364	EA	Signaling Line Circuit Integration Module (Notifier SLC-IM).....	1,251.64	29.35
28 46 13 31-1365	EA	VESDA Gateway That Provides A Communication Link Between The Noti-Fire-Net™ Network And Vesda™ Detectors On The Vesdanet™ (Notifier VESDA-HLI-GW).....	2,605.21	29.35
28 46 13 31-1366	EA	Vesda™ High Level Interface Card Used With SLC-IM And Vesda-HLI-GW To Provide A Communication Link Between The Noti-Fire-Net™ Network And Vesda™ Detectors On The Vesdanet™ (Notifier VHX-1420-HFS)	2,718.81	29.35
28 46 13 31-1367	EA	Windows Hard Drive Upgrade (Notifier WIN7-UG-US-3)	3,022.88	
28 46 13 31-1368	EA	Intuitive Color 10" Touch Screen Providing Color Coded Information Of Detailed System Status (Notifier NCD)	1,605.39	19.36
28 46 13 31-1369	EA	SWIFT Wireless Gateway With Flashscan (Notifier FWSG).....	503.96	29.35

28 46 13 31-1370 NOTI-FIRE-NET Network Components (28 46 13 31-0978)

28 46 13 31-1371	EA	Interface Between NOTI-FIRE-NET 50 And BACnet (Notifier BACNET-GW-3)	2,750.46	29.35
28 46 13 31-1372	EA	Fiber Optic Network Communications Module (Notifier NCM-F).....	1,224.70	29.35
28 46 13 31-1373	EA	NOTI-FIRE-NET Web Server (Notifier NWS).....	2,750.46	29.35
28 46 13 31-1374	EA	Wired Network Communications Module (Notifier NCM-W).....	1,166.84	29.35
28 46 13 31-1375	EA	Fiber Optic Converter Module Mounting Kit (Notifier SMF-Kit)	137.30	14.67

28 46 13 31-1376 FireWarden Addressable Fire Panels (28 46 13 31-0978)

28 46 13 31-1377	EA	50 Point, Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW-50).....	2,374.96	586.86
28 46 13 31-1378	EA	Black, One SLC Loop, 120 Volt AC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100)	2,821.49	586.86
28 46 13 31-1379	EA	Black, One DC Loop, 120 Volt AC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100C).....	2,976.36	293.43
28 46 13 31-1380	EA	Black, One SLC Loop, 240 Volt AC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100E).....	2,976.36	293.43
28 46 13 31-1381	EA	Red, One SLC Loop, 120 Volt AC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100R).....	2,963.69	293.43
28 46 13 31-1382	EA	Black, Built In Digital Alarm Communicator/Transmitter (DACT) With Modem For Remote Upload/Download, Built In Annunciator, 50 Point Addressable Fire Alarm Control Panel (Notifier NFW-50C).....	3,396.91	586.86
28 46 13 31-1383	EA	Red, Built In Digital Alarm Communicator/Transmitter (DACT) With Modem For Remote Upload/Download, 50 Point Addressable Fire Alarm Control Panel (NFW-50R)	2,450.15	586.86

28 46 13 31-1384 FireWarden Accessories (28 46 13 31-0978)

28 46 13 31-1385	EA	Intelligent Multicriteria Photo/Thermal Detector With Base (Notifier NP-A100).....	228.53	44.01
28 46 13 31-1386	EA	Intelligent Addressable Photo/Thermal Detector With Base (Notifier NP-100T)	216.63	44.01

28 46 13 31-1387 FireWarden Devices (28 46 13 31-0978)

28 46 13 31-1388	EA	SLC Loop Powered Fault Isolator Module (Notifier N100-ISO).....	159.31	29.35
28 46 13 31-1389	EA	Intelligent Addressable Control Module (Notifier NC-100)	189.50	29.35
28 46 13 31-1390	EA	Intelligent Addressable Relay Module (Notifier NC-100R)	181.95	29.35
28 46 13 31-1391	EA	Intelligent Addressable Low Flow Duct Photoelectric Smoke Detector (Notifier ND-100).....	486.76	44.01
28 46 13 31-1392	EA	Intelligent Addressable Low Flow Duct Photoelectric Smoke Detector With DPDT Relay (Notifier ND-100R)	591.23	44.01
28 46 13 31-1393	EA	Two Zone Intelligent Addressable, Two Wire Detector Monitor Module (Notifier NDM-100).....	181.95	29.35
28 46 13 31-1394	EA	Intelligent Addressable Thermal Detector With Base (Notifier NH-100).....	186.14	44.01
28 46 13 31-1395	EA	Intelligent Addressable High Temperature Thermal Detector With Base (Notifier NH-100H)	186.14	44.01
28 46 13 31-1396	EA	Intelligent Addressable Rate-Of-Rise Thermal Detector With Base (Notifier NH-100R)	186.14	44.01
28 46 13 31-1397	EA	Intelligent Addressable Ionization Smoke Detector With Base (Notifier NI-100).....	251.55	44.01
28 46 13 31-1398	EA	Intelligent Addressable Monitor Module (Notifier NMM-100).....	156.79	29.35

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1399	EA	Intelligent Addressable Mini Monitor Module (Notifier NMM-100P).....	142.33	29.35
28 46 13 31-1400	EA	Intelligent Addressable Manual Pull Station (Notifier NOT-BG12LX).....	212.77	29.35
28 46 13 31-1401	EA	Intelligent Addressable Photoelectric Smoke Detector With Base (Notifier NP-100)	194.95	44.01
28 46 13 31-1402	EA	Intelligent Addressable 2-Wire Detector Monitor Module (Notifier NZM-100)	238.55	29.35
28 46 13 31-1403	EA	Six Zone Intelligent Addressable 2-Wire Detector Monitor Module (Notifier NZM-100-6).....	848.60	29.35
28 46 13 31-1404 SFP-2402 And SFP-2404 2 And 4-Zone Control Panels And Accessories (28 46 13 31-0978)				
28 46 13 31-1405	EA	120 Volt AC, Two Zone Conventional Fire Alarm Control Panel (Notifier SFP-2402).....	1,567.89	469.49
28 46 13 31-1406	EA	120 Volt AC, Four Zone Conventional Fire Alarm Control Panel (Notifier SFP-2404)	1,730.15	469.49
28 46 13 31-1407	EA	240 Volt AC, Two Zone Conventional Fire Alarm Control Panel (Notifier SFP-2402E).....	1,235.64	146.71
28 46 13 31-1408	EA	240 Volt AC, Four Zone Conventional Fire Alarm Control Panel (Notifier SFP-2404E).....	1,403.65	146.71
28 46 13 31-1409	EA	Class A Converter Module (Notifier CAC-4)	455.18	29.35
28 46 13 31-1410	EA	Internal Dress Plate, Required For FM And ULC (Notifier DP-4X).....	164.10	17.61
28 46 13 31-1411	EA	Remote Zone Annunciator (Notifier RZA-4X)	234.49	44.01
28 46 13 31-1412	EA	Red, Dress Panel (Notifier DP-51050).....	198.93	17.61
28 46 13 31-1413	EA	Black, Dress Panel (Notifier DP-51050B)	201.31	17.61
28 46 13 31-1414 SFP-5UD 5 Zone Control Panels And Accessories (28 46 13 31-0978)				
28 46 13 31-1415	EA	120 Volt AC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFP-5UD).....	2,425.27	586.86
28 46 13 31-1416	EA	120 Volt AC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFB-5UDC)	4,386.17	440.14
28 46 13 31-1417	EA	240 Volt AC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFB-5UDE)	2,892.44	293.43
28 46 13 31-1418	EA	Red, 120 Volt AC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFB-5UDR).....	2,892.44	293.43
28 46 13 31-1419	EA	Class A Converter Module (Notifier N-CAC-5X)	471.85	29.35
28 46 13 31-1420	EA	Red, Trim Ring For NFW2-100, NFW-50, SFB-5UD, SFB-10UD, RP-2001, RP-2002 Cabinet (Notifier TR-CE)	178.09	17.61
28 46 13 31-1421	EA	Five Zone Conventional Fire Control Panel With DACT And 7 Amperes Power Supply, ULC/UL Listed (Notifier SFP-5UDC)	3,705.87	440.14
Note: Includes internal dress panel with built-in annunciator module				
28 46 13 31-1422	EA	240 Volt AC, Five Zone Conventional Fire Control Panel With DACT And 3 Amperes Power Supply (Notifier SFP-5UDE).....	2,454.38	293.43
28 46 13 31-1423	EA	Red, 120 Volt AC, Five Zone Conventional Fire Control Panel With DACT And 3 Amperes Power Supply (Notifier SFP-5UDR)	2,432.19	293.43
28 46 13 31-1424 SFP-10UD 10 Zone Control Panels And Accessories (28 46 13 31-0978)				
28 46 13 31-1425	EA	120 Volt AC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFB-10UDC).....	5,309.87	586.86
28 46 13 31-1426	EA	240 Volt AC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFB-10UDE)	3,969.87	440.14
28 46 13 31-1427	EA	120 Volt AC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFP-10UD)	2,777.47	586.86
28 46 13 31-1428	EA	Red, 120 Volt AC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFB-10UDR).....	4,556.74	586.86
28 46 13 31-1429	EA	Four Channel, Dual Line, Stand-Alone Fire Alarm Communicator (Fire-Lite 411UDAC).....	714.42	88.03
28 46 13 31-1430	EA	10 Zone Conventional Fire Control Panel With DACT And 7 Amperes Power Supply, ULC/UL Listed (Notifier SFP-10UDC)	4,547.40	586.86
Note: Includes internal dress panel with built-in annunciator module				
28 46 13 31-1431	EA	240 Volt AC, 10 Zone Conventional Fire Control Panel With DACT And 7 Amperes Power Supply (Notifier SFP-10UDE).....	3,392.05	440.14
28 46 13 31-1432	EA	Red, 10 Zone Conventional Fire Control Panel With DACT And 7 Amperes Power Supply (Notifier SFP-10UDR)	3,952.50	586.86
28 46 13 31-1433 Smoke Detectors (28 46 13 31-0978)				
28 46 13 31-1434	EA	Low Profile Intelligent Addressable Ionization Smoke Detector (Notifier FSI-851).....	269.16	44.01
28 46 13 31-1435	EA	Intelligent Addressable Laser Smoke Detector (Notifier FSL-751).....	452.80	44.01
28 46 13 31-1436	EA	Intelligent Addressable Laser Duct Smoke Detector (Notifier FSL-751D).....	1,480.97	44.01
28 46 13 31-1437	EA	Remote Test Capable Intelligent Addressable Photo Detector (Notifier NP-100R).....	203.53	44.01
Note: For use with DNR(W) duct detector housing.				
28 46 13 31-1438	EA	Filters For Harsh Detector (Notifier RF-FTX)	24.64	
28 46 13 31-1439	EA	Key Activated Remote Test Station For Duct Smoke Detector (Notifier RTS151KEY).....	162.77	29.35
28 46 13 31-1440	EA	Addressable Beam Detector With Reflector, UL Listed (Notifier FS-OSI-RI).....	1,827.28	44.01
28 46 13 31-1441	EA	Intelligent Addressable Photo Detector With Flashscan, White (Notifier FSP-951)	212.16	44.01
28 46 13 31-1442	EA	Intelligent Addressable Photo Detector With Flashscan And Clip, Ivory (Notifier FSP-951-IV).....	231.81	44.01
28 46 13 31-1443	EA	Remote Test Capable Intelligent Photo Detector With Flashscan, White (Notifier FSP-951R).....	221.98	44.01
28 46 13 31-1444	EA	Remote Test Capable Intelligent Photo Detector With Flashscan And Clip, Ivory (Notifier FSP-951R-IV)	239.84	44.01
28 46 13 31-1445	EA	Intelligent Addressable Photo/Thermal Detector With Flashscan, White (Notifier FSP-951T)	223.17	44.01
28 46 13 31-1446	EA	Intelligent Addressable Photo/Thermal Detector With Flashscan, Ivory (Notifier FSP-951T-IV).....	241.03	44.01
28 46 13 31-1447	EA	Intelligent Addressable 135 Degree Thermal Detector With Flashscan, White (Notifier FST-951)	180.90	44.01
28 46 13 31-1448	EA	Intelligent Addressable High Temperature 190 Degree Heat Detector With Flashscan (Notifier FST-951H)	180.90	44.01
28 46 13 31-1449	EA	Intelligent Addressable High Temperature 190 Degree Heat Detector With Flashscan And Clip, Ivory (Notifier FST-951H-IV)	197.57	44.01
28 46 13 31-1450	EA	Intelligent Addressable 135 Degree Thermal Detector With Flashscan And Clip, Ivory (Notifier FST-951-IV)	197.57	44.01
28 46 13 31-1451	EA	Intelligent Addressable Rate-of-Rise Thermal Detector With Flashscan, White (Notifier FST-951R)	180.90	44.01
28 46 13 31-1452	EA	Intelligent Addressable Rate-of-Rise Thermal Detector With Flashscan And Clip, Ivory (Notifier FST-951R-IV)	197.57	44.01
28 46 13 31-1453	EA	Low Profile Intelligent Addressable High Sensitivity Detector With Flashscan, White (Notifier FSV-951R).....	490.49	44.01
28 46 13 31-1454	EA	Low Profile Intelligent Addressable High Sensitivity Detector With Flashscan, Ivory (Notifier FSV-951R-IV).....	526.21	44.01
28 46 13 31-1455	EA	Wireless Photo-Heat Detector, Acclimate, With Flashscan (Notifier FWD-200ACCLIMATE).....	489.30	44.01
Note: Requires B210W base, ordered separately				
28 46 13 31-1456	EA	Wireless Photo Detector With Flashscan (Notifier FWD-200P)	450.00	44.01
Note: Requires B210W base, ordered separately				
28 46 13 31-1457	EA	Wireless Fixed Temp Heat Detector, 135 Degree, With Flashscan (Notifier FWH-200FIX135)	408.33	44.01
Note: Requires B210W base, ordered separately				
28 46 13 31-1458	EA	Wireless ROR Heat Detector, 135 Degree, With Flashscan (Notifier FWH-200ROR135)	408.33	44.01
Note: Requires B210W base, ordered separately				

28 Electronic Safety and Security**28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

28 46 13 31-1459	EA	Intelligent Addressable Carbon Monoxide Detector With Flashscan (Notifier FPC-951)	296.40	44.01
28 46 13 31-1460	EA	Built In Circular Display, 3 Alarm Levels, Smoke Detector (Notifier VLF-250)	2,811.02	44.01
Note: Use for areas up to 2,500 square feet. Adjustable sensitivity range is 0.008 - 6% ro 6.4 /Ft. Obs.				
28 46 13 31-1461	EA	Built In Circular Display, 3 Alarm Levels, Smoke Detector (Notifier VLF-500)	3,445.11	44.01
Note: Use for areas up to 2,500 square feet. Adjustable sensitivity range is 0.008 - 6% ro 6.4 /Ft. Obs.				

28 46 13 31-1462 Pull Stations (28 46 13 31-0978)

28 46 13 31-1463	EA	Trim Ring For NBG12 Series Pull Station (Notifier BG12TR)	36.51	5.87
28 46 13 31-1464	EA	One End Tapped For 1/2" Conduit, Aluminum, Surface Mounted Back Box (Notifier BG-2)	91.53	14.67
28 46 13 31-1465	EA	Red, One End Tapped For 1/2" Conduit, Aluminum, Surface Mounted Back Box (Notifier BG-2R)	78.88	14.67
28 46 13 31-1466	EA	Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1)	118.27	29.35
28 46 13 31-1467	EA	DPDT Switch, Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1F)	131.23	29.35
28 46 13 31-1468	EA	Terminal Switch, DPDT Switch, Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1FTS)	182.19	29.35
28 46 13 31-1469	EA	Red Body, Silver Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1R)	118.27	29.35
28 46 13 31-1470	EA	Red Letters, Spring Retainer, Aluminum Single Action Pull Station With Terminal Strip (Notifier BNG-1TS)	137.27	29.35
28 46 13 31-1471	EA	Standard Local Style Red Letters, Spring Retainer, Aluminum Single Action Pull Station With Terminal Strip (Notifier BNG-1TSL)	137.27	29.35
28 46 13 31-1472	EA	Terminal Strip, Red Body, Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1TSR)	137.27	29.35
28 46 13 31-1473	EA	Red Letters, Breakglass, Aluminum Single Action Pull Station (Notifier BRG-1)	129.50	29.35
28 46 13 31-1474	EA	Red Body, Silver Letters, Breakglass, Aluminum Single Action Pull Station (Notifier BRG-1R)	140.73	29.35
28 46 13 31-1475	EA	Hazardous, Non-Hazardous, Weatherproof, Harsh Locations Fire Alarm Pull Station (Notifier HAZ-WP-PULL)	932.65	35.21
28 46 13 31-1476	EA	Red, Single Action Fire Alarm Pull Station (Notifier NBG-12S)	102.86	29.35
28 46 13 31-1477	EA	Red, Dual Action Fire Alarm Pull Station (Notifier NBG-12)	107.98	29.35
28 46 13 31-1478	EA	Red, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12L)	110.57	29.35
28 46 13 31-1479	EA	Red, Outdoor, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12LOB)	252.81	35.21
28 46 13 31-1480	EA	Red, Presignal, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12LPS)	164.35	29.35
28 46 13 31-1481	EA	Red, Agent Releasing, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12LR)	137.27	29.35
28 46 13 31-1482	EA	Addressable Manual Dual Action Fire Alarm Pull Station (Notifier NBG-12LX)	214.02	29.35
28 46 13 31-1483	EA	Pull Station Trim Plate For New York City, For Use With All NBG Series Pull Stations (Notifier NY-PLATE)	68.74	5.87
28 46 13 31-1484	EA	Dual Action, Wireless Pull Station (Notifier NBG-12WL)	481.21	35.21

28 46 13 31-1485 Rate Compensation Heat Detectors (28 46 13 31-0978)

28 46 13 31-1486	EA	135 Degree F Explosion Proof Rate Compensation Heat Detectors (Edwards Signaling 302-EPM-135)	198.72	44.01
28 46 13 31-1487	EA	194 Degree F Explosion Proof Rate Compensation Heat Detectors (Edwards Signaling 302-EPM-194)	198.72	44.01

28 46 13 31-1488 FM Series Door Releases (28 46 13 31-0978)

28 46 13 31-1489	EA	1/2" Door Holder Spacer (Notifier FM900-50)	32.70	8.80
28 46 13 31-1490	EA	3/4" Door Holder Spacer (Notifier FM900-75)	32.70	8.80
28 46 13 31-1491	EA	1" Door Holder Spacer (Notifier FM900-100)	32.70	8.80
28 46 13 31-1492	EA	Door Holder Extension Kit (Notifier FM900)	34.59	8.80
28 46 13 31-1493	EA	90 Degree Door Holder Extension Kit (Notifier FM900-Z)	35.22	8.80
28 46 13 31-1494	EA	12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Floor Mounted, Door Holder (Notifier FM980)	221.20	44.01
28 46 13 31-1495	EA	12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Surface Mounted, Door Holder (Notifier FM996)	193.69	44.01
28 46 13 31-1496	EA	12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Recessed Mounted, Concealed Wiring, Door Holder (Notifier FM998)	193.69	44.01

28 46 13 31-1497 Multicriteria Fire Detector (28 46 13 31-0978)

28 46 13 31-1498	EA	Intelligent Addressable Combination Multi-Criteria Fire/Carbon Monoxide Detector With Flashscan (Notifier FCO-851)	355.94	44.01
28 46 13 31-1499	EA	Intelligent Addressable Multicriteria Fire Detector (Notifier FSC-851)	354.75	44.01
Note: Detects fire, thermal, photo, CO and IR, with Flashscan.				
28 46 13 31-1500	EA	Multi-Criteria Photo/Temp/Infrared Detector, White (Notifier FPTI-951)	228.53	44.01
28 46 13 31-1501	EA	Multi-Criteria Photo/Temp/Infrared Detector, Ivory (Notifier FPTI-951-IV)	236.87	44.01
28 46 13 31-1502	EA	Intelligent Addressable Combination Multi-Criteria Photoelectric And Carbon Monoxide Detector With Flashscan (Notifier FSCO-951)	355.94	44.01

28 46 13 31-1503 Modules (28 46 13 31-0978)

28 46 13 31-1504	EA	Intelligent Addressable Dual Monitor/Dual Relay Module (Notifier FDRM-1)	428.99	29.35
28 46 13 31-1505	EA	Addressable Firephone Control Module (Notifier FTM-1)	263.48	29.35
28 46 13 31-1506	EA	Wireless Monitor Module With Flashscan (Notifier FW-MM)	414.70	29.35
28 46 13 31-1507	EA	Wireless Relay Module With Flashscan (Notifier FW-RM)	480.19	29.35
28 46 13 31-1508	EA	Wireless Sync Module (Notifier W-SYNC)	442.24	29.35

28 46 13 31-1509 DH Series Door Releases (28 46 13 31-0978)

28 46 13 31-1510	EA	Semi-Flush, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120FPC)	216.33	44.01
28 46 13 31-1511	EA	Semi-Flush, Plated Brass, Electromagnetic Door Holder (Notifier DH24120FB)	230.91	44.01
28 46 13 31-1512	EA	Semi-Flush, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120FD)	244.61	44.01
28 46 13 31-1513	EA	Surface Mounted, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120SPC)	241.03	44.01
28 46 13 31-1514	EA	Surface Mounted, Plated Brass, Electromagnetic Door Holder (Notifier DH24120SB)	252.94	44.01
28 46 13 31-1515	EA	Surface Mounted, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120SPD)	263.06	44.01
28 46 13 31-1516	EA	Recessed, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120WPC)	216.33	44.01
28 46 13 31-1517	EA	Recessed, Plated Brass, Electromagnetic Door Holder (Notifier DH24120WB)	229.13	44.01
28 46 13 31-1518	EA	Recessed, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120WD)	244.61	44.01
28 46 13 31-1519	EA	Floor Mounted, Single Door, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120GPC1)	277.35	44.01
28 46 13 31-1520	EA	Floor Mounted, Single Door, Plated Brass, Electromagnetic Door Holder (Notifier DH24120GB1)	296.40	44.01
28 46 13 31-1521	EA	Floor Mounted, Single Door, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120GPD1)	318.43	44.01
28 46 13 31-1522	EA	Floor Mounted, Double Door, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120GPC2)	323.79	44.01
28 46 13 31-1523	EA	Floor Mounted, Double Door, Plated Brass, Electromagnetic Door Holder (Notifier DH24120GB2)	346.41	44.01

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1524	EA	Floor Mounted, Double Door, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120GPD2)	373.80	44.01
28 46 13 31-1525	EA	0.5" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE.5PC)	24.78	5.87
28 46 13 31-1526	EA	0.5" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE.5B)	24.78	5.87
28 46 13 31-1527	EA	0.5" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE.5D)	27.22	5.87
28 46 13 31-1528	EA	1" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE1PC)	24.78	5.87
28 46 13 31-1529	EA	1" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE1B)	24.78	5.87
28 46 13 31-1530	EA	1" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE1D)	27.22	5.87
28 46 13 31-1531	EA	1.5" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE1.5PC)	26.03	5.87
28 46 13 31-1532	EA	1.5" Adjustable Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE1.5APC)	26.03	5.87
28 46 13 31-1533	EA	1.5" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE1.5B)	27.22	5.87
28 46 13 31-1534	EA	1.5" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE1.5D)	28.59	5.87
28 46 13 31-1535	EA	2" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE2PC)	28.59	5.87
28 46 13 31-1536	EA	2" Adjustable Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE2APC)	28.59	5.87
28 46 13 31-1537	EA	2" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE2B)	29.84	5.87
28 46 13 31-1538	EA	2" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE2D)	29.84	5.87
28 46 13 31-1539	EA	3" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE3PC)	29.84	5.87
28 46 13 31-1540	EA	3" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE3B)	31.21	5.87
28 46 13 31-1541	EA	3" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE3D)	31.21	5.87
28 46 13 31-1542	EA	4" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE4PC)	32.46	5.87
28 46 13 31-1543	EA	4" Adjustable Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE4APC)	32.46	5.87
28 46 13 31-1544	EA	4" Adjustable Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE4AB)	33.83	5.87
28 46 13 31-1545	EA	4" Adjustable Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE4AD)	37.70	5.87
28 46 13 31-1546	EA	5" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE5PC)	36.39	5.87
28 46 13 31-1547	EA	5" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE5B)	35.08	5.87
28 46 13 31-1548	EA	5" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE5D)	37.70	5.87
28 46 13 31-1549	EA	Catch Plate, Powder Coated Chrome For Electromagnetic Door Holder (Notifier DHCPC)	34.46	8.80
28 46 13 31-1550	EA	Catch Plate, Plated Brass For Electromagnetic Door Holder (Notifier DHCPB)	35.71	8.80
28 46 13 31-1551	EA	Catch Plate, Powder Coated Dark Bronze For Electromagnetic Door Holder (Notifier DHCPD)	39.70	8.80
28 46 13 31-1552	EA	Swivel Base, Powder Coated Chrome, For Electromagnetic Door Holder (Notifier DHSBPC)	65.60	8.80
28 46 13 31-1553	EA	Swivel Base, Plated Brass, For Electromagnetic Door Holder (Notifier DHSBB)	69.41	8.80
28 46 13 31-1554	EA	Swivel Base, Powder Coated Dark Bronze, For Electromagnetic Door Holder (Notifier DHSBD)	73.22	8.80
28 46 13 31-1555	EA	Surface Mounted Back Box, Powder Coated Chrome For Electromagnetic Door Holder (Notifier DHBBPC)	59.12	14.67
28 46 13 31-1556	EA	Surface Mounted Back Box, Plated Brass For Electromagnetic Door Holder (Notifier DHBBB)	61.74	14.67
28 46 13 31-1557	EA	Surface Mounted Back Box, Powder Coated Dark Bronze For Electromagnetic Door Holder (Notifier DHBBD)	66.98	14.67
28 46 13 31-1558	EA	Swivel Base Mounting Drill Fixture For Electromagnetic Door Holder (Notifier DHDF)	367.93	
28 46 13 31-1559 First Command (28 46 13 31-0978)				
28 46 13 31-1560	EA	Black, 120 Volt AC, 50 Watt, 25 VRMS, One Class A/B Speaker Circuit, Primary Operating Console (Notifier NFC-50/100)	6,389.56	733.57
28 46 13 31-1561	EA	Black, 220-240 Volt AC, 50 Watt, 25 VRMS, One Class A/B Speaker Circuit, Primary Operating Console (Notifier NFC-50/100E)	6,452.95	733.57
28 46 13 31-1562	EA	Black, 120 Volt AC, 50 Watt, 25 VRMS Or 70 VRMS, Four Class A/B Speaker Circuits, Distributed (Remote) Audio Amplifier (Notifier NFC-50DA)	1,776.40	58.68
28 46 13 31-1563	EA	Black, 220-240 Volt AC, 50 Watt, 25 VRMS Or 70 VRMS, Four Class A/B Speaker Circuits, Distributed (Remote) Audio Amplifier (Notifier NFC-50DAE)	1,823.95	58.68
28 46 13 31-1564	EA	Black, 120 Volt AC, 125 Watt, 25 VRMS, Four Class A/B Speaker Outputs, Distributed Audio Amplifier (Notifier NFC-125DA)	3,256.77	58.68
28 46 13 31-1565	EA	Black, , 220-240 Volt AC, 125 Watt, 25 VRMS, Four Class A/B Speaker Outputs, Distributed Audio Amplifier (Notifier NFC-125DAE)	3,362.43	58.68
28 46 13 31-1566	EA	50 Watt, 25 VRMS Audio Amplifier Module For A Second Speaker Circuit Or Backup (Notifier NFC-BDA-25 Volt)	852.19	29.35
28 46 13 31-1567	EA	50 Watt, 70 VRMS Audio Amplifier Module For A Second Speaker Circuit Or Backup (Notifier NFC-BDA-70 Volt)	852.19	29.35
28 46 13 31-1568	EA	Circuit Expander Module For NFC-50/125DA(E), Four Additional Class A/B Speaker Circuits (Notifier NFC-CE4)	539.72	29.35
28 46 13 31-1569	EA	Circuit Expander Module For NFC-50/100(E), Six Additional Class A/B Speaker Circuits (Notifier NFC-CE6)	681.05	29.35
28 46 13 31-1570	EA	Standalone Firefighter Telephone System (Notifier NFC-FFT)	2,406.17	58.68
		Note: Includes onboard SLC supports up to 24 monitor modules, built-in handset, black.		
28 46 13 31-1571	EA	Local Operator Console (Notifier NFC-LOC)	2,355.45	58.68
		Note: Includes built-in microphone, message and zone control switches, black.		
28 46 13 31-1572	EA	Black, Remote Microphone (Notifier NFC-RM)	688.00	
28 46 13 31-1573	EA	Remote Page Unit (Notifier NFC-RPU)	1,990.90	58.68
		Note: Includes built-in microphone, message control switches, black.		
28 46 13 31-1574	EA	70 V Conversion Module For NFC-50/100 (Notifier NFC-XRM-70V)	407.56	29.35
28 46 13 31-1575	EA	Firefighters Phone Jack (Notifier N-FPJ)	187.28	8.80
28 46 13 31-1576	EA	Thumbtatch Option For NFC-LOC And NFC-RPU (Notifier THUMBLTCH)	50.47	8.80
28 46 13 31-1577	EA	Black, Trim Ring For NFC-RPU Cabinet (Notifier TR-6-B)	165.29	17.61
28 46 13 31-1578 LED Displays (28 46 13 31-0978)				
28 46 13 31-1579	EA	2.1" x 27" Programmable LED Indoor Display (Notifier ALPHA-215)	1,879.40	35.21
28 46 13 31-1580	EA	Instant And Integrated Emergency Notification System (Notifier LEDSIGN-GW)	2,641.47	46.95
28 46 13 31-1581	EA	4" x 45-1/2" Programmable LED Array, Mass Notification Device (Notifier MEGADOT)	2,672.12	46.95
28 46 13 31-1582	EA	8 Messages, FACP Interface For LED Arrays (Notifier MNS-CONTROL8)	2,566.45	46.95
28 46 13 31-1583	EA	16 Messages, FACP Interface For LED Arrays (Notifier MNS-CONTROL16)	3,591.40	46.95
28 46 13 31-1584	EA	LED Sign, Instant And Integrated Emergency Notification System (Notifier OAX2-24V)	2,724.95	46.95
28 46 13 31-1585 Control Relays (28 46 13 31-0978)				
28 46 13 31-1586	EA	Single SPDT Relay With LED With Metal Back Box And Red Plastic Cover (Notifier MR-101/CR)	80.19	14.67
28 46 13 31-1587	EA	Single SPDT Relay With LED With Track Mounting Hardware (Notifier MR-101/T)	60.07	14.67
28 46 13 31-1588	EA	Four Position SPDT Relay With LEDs With Metal Back Box And Red Plastic Cover (Notifier MR-104/CR)	222.40	29.35
28 46 13 31-1589	EA	Four Position SPDT Relay With LED With Track Mounting Hardware (Notifier MR-104/T)	124.90	14.67

28 Electronic Safety and Security**28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

28 46 13 31-1590	EA	Four Position DSPDT Relay With LED With Track Mounting Hardware (Notifier MR-204/T).....	149.61	14.67
28 46 13 31-1591	EA	24 Volt DC, 30 Amperes Contacts, DPDT Relay In Steel Enclosure (Notifier MR-199X-13C).....	228.95	29.35
28 46 13 31-1592	EA	120 Volt AC, 30 Amperes Contacts, DPDT Relay In Steel Enclosure (Notifier MR-199X-14C).....	228.95	29.35
28 46 13 31-1593	EA	Single DPDT Relay With LED With Metal Back Box And Red Plastic Cover (Notifier MR-201/CR).....	113.45	29.35
28 46 13 31-1594	EA	Single DPDT Relay With LED With Track Mounting Hardware (Notifier MR-201/T).....	65.31	14.67
28 46 13 31-1595	EA	Four Position DPDT Relay With LEDs With Metal Back Box And Red Plastic Cover (Notifier MR-204/CR).....	243.83	29.35
28 46 13 31-1596	EA	24 Volt DC / 24 Volt AC / 115 Volt AC, 10 Amperes, Form C, Multi-Voltage Relay Module (Notifier PAM-1).....	80.35	29.35
28 46 13 31-1597	EA	12/24 Volt DC, 7 Amperes, Form C, Multi-Voltage Relay Module (Notifier PAM-2).....	80.35	29.35
28 46 13 31-1598	EA	9 To 40 Volt DC, 10 Amperes, Form C, Multi-Voltage Relay Module (Notifier PAM-4).....	80.35	29.35

28 46 13 31-1599 Gamewell-FCI Fire Control Instruments (28 46 13 31-0978)**28 46 13 31-1600 7100 Series And NetSOLO®** (28 46 13 31-1599)**28 46 13 31-1601 7100 Compact Analog Addressable Fire Alarm Control Panels** (28 46 13 31-1600)

28 46 13 31-1602	EA	Enclosure With Metal Door (Gamewell-FCI 7100-ENCL-M).....	1,117.29	352.11
28 46 13 31-1603	EA	Basic Systems Kit, 2 Signaling Line Circuits (SLC) (Gamewell-FCI BK-7100-2).....	4,879.89	586.86
28 46 13 31-1604	EA	Basic Systems Kit, With Digital Alarm Communicator Transmitter (DACT), 2 Signaling Line Circuits (SLC) (Gamewell-FCI BK-7100-2D).....	5,360.65	586.86
28 46 13 31-1605	EA	Basic Systems Kit, 2 Signaling Line Circuits (SLC), 240 Volt AC (Gamewell-FCI BK-7100-2-E).....	4,879.89	586.86
28 46 13 31-1606	EA	Basic Systems Kit, With Digital Alarm Communicator Transmitter (DACT), 2 Signaling Line Circuits (SLC), 240 Volt AC (Gamewell-FCI BK-7100-2D-E).....	5,360.65	586.86
28 46 13 31-1607	EA	Removal And Replacement Of Board For 7100-1D (Gamewell-FCI BSM-7100-1).....	1,598.58	
28 46 13 31-1608	EA	Removal And Replacement Of Board For 7100-2 (Gamewell-FCI BSM-7100-1D).....	1,920.21	
28 46 13 31-1609	EA	Analog Loop Unit (Gamewell-FCI ALU).....	1,920.21	58.68

28 46 13 31-1610 NetSOLO® Intelligent Network (28 46 13 31-1600)

28 46 13 31-1611	EA	Intelligent Network Interface Module, Fiber Optic (Gamewell-FCI INI-7100-FO).....	2,131.81	58.68
		Note: Mounted in 7100 panel.		
28 46 13 31-1612	EA	Intelligent Network Interface Module, Unshielded Twisted Pair (Gamewell-FCI INI-7100-UTP).....	1,689.99	58.68
		Note: Mounted in 7100 panel.		

28 46 13 31-1613 Components And Accessories (28 46 13 31-1600)

28 46 13 31-1614	EA	Remote Serial Annunciator, LCD Display (Gamewell-FCI LCD-7100).....	1,046.16	44.01
28 46 13 31-1615	EA	Remote LED Driver Module, Outputs For Remote Panel Switches And 33 Remote LEDs (Gamewell-FCI LDM-7100).....	787.72	58.68
28 46 13 31-1616	EA	Fiber Optic Line Driver Module (Gamewell-FCI FLD-1).....	1,459.77	58.68
28 46 13 31-1617	EA	Class "A" Optional Module For Both Signaling Line Circuits (SLC) (Gamewell-FCI CAOM).....	577.81	58.68
28 46 13 31-1618	EA	Enclosure Box (Gamewell-FCI EN-7100).....	449.74	117.37
28 46 13 31-1619	EA	Serial Printer (Order RJAA To Db25 Connector Separately) (Gamewell-FCI P7200-TR-2).....	1,534.81	29.35

28 46 13 31-1620 E3 Series® Basic System (28 46 13 31-1599)

28 46 13 31-1621	EA	Intelligent Loop Interface, Mother Board (Gamewell-FCI ILI-MB-E3).....	1,386.31	58.68
28 46 13 31-1622	EA	Intelligent Loop Interface, Supplemental (Gamewell-FCI ILI-S-E3).....	1,187.25	58.68
28 46 13 31-1623	EA	Intelligent Loop Interface, Mother Board, XP95 Protocol (Gamewell-FCI ILI95-MB-E3).....	1,386.31	58.68
28 46 13 31-1624	EA	Intelligent Loop Interface, Supplemental, XP95 Protocol (Gamewell-FCI ILI95-S-E3).....	1,187.25	58.68
28 46 13 31-1625	EA	LCD Keypad Display (Gamewell-FCI LCD-E3).....	885.99	58.68
28 46 13 31-1626	EA	Power Supply Module (Gamewell-FCI PM-9).....	1,165.65	58.68
28 46 13 31-1627	EA	Transponder 9 Amperes Power Supply (Gamewell-FCI PM-9 INX).....	978.63	58.68
28 46 13 31-1628	EA	Power Supply And Charger, 120/220 Volt AC (Gamewell-FCI PM-9G 9A).....	976.61	29.35
28 46 13 31-1629	EA	Digital Alarm Communication Transmitter (Gamewell-FCI DACT-E3).....	548.68	58.68
28 46 13 31-1630	EA	Network Repeater, Fiber Optic (Gamewell-FCI RPT-E3-FO).....	1,499.81	58.68
28 46 13 31-1631	EA	Network Repeater, Unshielded Twisted Pair (Gamewell-FCI RPT-E3-UTP).....	1,253.72	58.68
28 46 13 31-1632	EA	Local Operating Console (Gamewell-FCI 1100-0455).....	835.43	44.01
28 46 13 31-1633	EA	Network Graphic Annunciator (Gamewell-FCI 1100-0505).....	2,722.33	44.01
28 46 13 31-1634	EA	70.7 VRMS Audio Output Series Amplifier Module (Gamewell-FCI AM-50-70).....	1,068.02	58.68
28 46 13 31-1635	EA	INI-VGE-UTP Classic Enabled Voice Gateway Module (Gamewell-FCI 1100-1326).....	3,291.01	58.68
28 46 13 31-1636	EA	8-1/4" Wide x 10" High x 4-1/2" Deep Cabinet (Gamewell-FCI E3BB-BAA1).....	729.28	117.37
28 46 13 31-1637	EA	C Size, Black, Command Center Enclosure (Gamewell-FCI E3BB-BC/INCC).....	527.63	117.37
28 46 13 31-1638	EA	Double Size, Blank, Inner Door Panel (Gamewell-FCI E3-BP).....	114.69	29.35
28 46 13 31-1639	EA	Programmable Switch Module (Gamewell-FCI ASM-16).....	743.60	58.68
28 46 13 31-1640	EA	LED Driver module (Gamewell-FCI ANU-48).....	743.60	58.68
28 46 13 31-1641	EA	Network Graphic Annunciator (Gamewell-FCI NGA).....	2,280.56	44.01

28 46 13 31-1642 Addressable Devices, Module, Pulls And Accessories (28 46 13 31-1642)**28 46 13 31-1643 Velociti® Series Sensors And Bases** (28 46 13 31-1642)

28 46 13 31-1644	EA	Analog Addressable Plug-In Ionization Smoke Sensor (Gamewell-FCI ASD-IL2F).....	226.84	44.01
28 46 13 31-1645	EA	Analog Addressable Plug-In Photoelectric Smoke Sensor (Gamewell-FCI ASD-PL2F).....	231.92	44.01
28 46 13 31-1646	EA	Analog Addressable Plug-In Photoelectric Smoke Sensor With 135 Degree F Fixed Temperature Thermal Sensing (Gamewell-FCI ASD-PTL2F).....	247.15	44.01
28 46 13 31-1647	EA	Addressable Plug-In Thermal Sensor, 15 Degree F Rate Of Rise, 135 Degree F (Gamewell-FCI ATD-RL2F).....	186.21	44.01
28 46 13 31-1648	EA	Addressable Plug-In Thermal Sensor, 190 Degree F (Gamewell-FCI ATD-HL2F).....	194.68	44.01
28 46 13 31-1649	EA	Addressable Plug-In Thermal Sensor, 135 Degree F (Gamewell-FCI ATD-L2F).....	186.21	44.01
28 46 13 31-1650	EA	Addressable Plug-In Multi-Criteria Analog Sensor (Gamewell-FCI MCS-ACCLIMATE2F).....	282.70	44.01
28 46 13 31-1651	EA	Analog Addressable Laser Smoke Sensor, Low Profile (Gamewell-FCI ASD-LS).....	638.19	44.01
28 46 13 31-1652	EA	Analog Addressable Low Flow Photoelectric Smoke Duct Detector Without Relay (Gamewell-FCI ADPF).....	527.59	73.36
28 46 13 31-1653	EA	Analog Addressable Low Flow Photoelectric Smoke Duct Detector With Relay (Gamewell-FCI ADPRF).....	595.30	73.36
28 46 13 31-1654	EA	Removal And Replacement Of Duct Detector Board (Gamewell-FCI ADP-F-SB).....	277.06	
28 46 13 31-1655	EA	Flanged Mounting Base, For Use With Analog Sensor Or Velociti Sensors (Gamewell-FCI ADB-FLF).....	56.43	14.67
28 46 13 31-1656	EA	Harsh Environment Analog Addressable Photoelectric Smoke Sensor (Gamewell-FCI ASD-FILTREX-F).....	688.98	44.01

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1657	EA	Flanged Mounting Base, For Use With ASD-FILTREX Or ASD-FILTREX-F (Gamewell-FCI ADB-FILTREXF).....	135.15	14.67
28 46 13 31-1658	EA	Addressable Single-Ended Reflected Beam Smoke Sensor (Gamewell-FCI ABD-2F).....	2,461.35	88.03
28 46 13 31-1659 Velociti® Series Modules And Pull Station (28 46 13 31-1642)				
28 46 13 31-1660	EA	Style B, Class B Addressable Monitor Module (Gamewell-FCI AMM-2F).....	166.17	29.35
28 46 13 31-1661	EA	Dual Style B, Class B Addressable Monitor Module (Gamewell-FCI AMM-2IF)	273.67	29.35
28 46 13 31-1662	EA	Style D, Class A Addressable Monitor Module (Gamewell-FCI AMM-4F)	183.10	29.35
28 46 13 31-1663	EA	Subloop Style D, Class A Addressable Monitor Module (Gamewell-FCI AMM-4SF)	261.82	29.35
28 46 13 31-1664	EA	Addressable Output Relay Control Module (Gamewell-FCI AOM-2RF)	216.96	29.35
28 46 13 31-1665	EA	Addressable Output Supervised Module (Gamewell-FCI AOM-2SF)	225.42	29.35
28 46 13 31-1666	EA	Addressable Double Action Station, With AMM-2SF Mini-Mod (Gamewell-FCI MS-7AF)	309.50	58.68
28 46 13 31-1667	EA	Addressable Single Action Pull Station (Gamewell-FCI MS-7ASF)	233.04	29.35
28 46 13 31-1668	EA	Telephone Filters (Gamewell-FCI AOM-TEL-FL).....	37.13	5.87
28 46 13 31-1669 Components And Accessories (28 46 13 31-1642)				
28 46 13 31-1670	EA	Remote LED Annunciator Alarm (Gamewell-FCI RA400Z)	89.27	23.47
		Note: Mounts on single gang box.		
28 46 13 31-1671	EA	Up To 2' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-1.5)	44.63	11.74
28 46 13 31-1672	EA	>2' To 4' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-3)	48.02	11.74
28 46 13 31-1673	EA	>4' To 8' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-5)	57.28	14.67
28 46 13 31-1674	EA	>8' To 10' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-10)	94.46	17.61
28 46 13 31-1675	EA	Remote Test Station With LED Alarm And Magnet Test Switch (Gamewell-FCI RTS451).....	141.75	23.47
		Note: Mounts on single gang box.		
28 46 13 31-1676 Fixed And Rate of Rise Heat Detectors (28 46 13 31-1642)				
28 46 13 31-1677	EA	135 Degree F Fixed Temperature And Rate Of Rise Heat Detector (Gamewell-FCI 5601P)	116.81	44.01
28 46 13 31-1678	EA	194 Degree F Fixed Temperature And Rate Of Rise Heat Detector (Gamewell-FCI 5602)	116.81	44.01
28 46 13 31-1679	EA	135 Degree F Fixed Temperature Heat Detector (Gamewell-FCI 5603)	116.25	44.01
28 46 13 31-1680	EA	194 Degree F Fixed Temperature Heat Detector (Gamewell-FCI 5604)	116.25	44.01
28 46 13 31-1681 NAC Expander/Power Supply (28 46 13 31-1642)				
28 46 13 31-1682	EA	FireForce 8 NAC Expander/Power Supply, 12/24 Volt DC, 8 Amperes, 4 Notification Appliance Circuits, Built-in Synchronization Protocols For Gamewell, Wheelock, Gentex, Faraday, And System Sensor (Gamewell-FCI FF8).....	2,157.79	469.49
28 46 13 31-1683	EA	6A Supplementary Notification Appliance Circuit Power Supply With Sync (Gamewell-FCI GFPS-6).....	1,836.16	469.49
28 46 13 31-1684	EA	9A Supplementary Notification Appliance Circuit Power Supply With Sync (Gamewell-FCI GFPS-9).....	1,996.98	469.49
28 46 13 31-1685 Batteries And Accessories (28 46 13 31-1599)				
28 46 13 31-1686	EA	B-17R, 12 Volt DC, 17 Ampere Hours Sealed Lead Acid Battery (Gamewell-FCI 100-2010A)	349.84	29.35
28 46 13 31-1687	EA	B-55R, 12 Volt DC, 55 Ampere Hours Sealed Lead Acid Battery (Gamewell-FCI 100-2710A)	901.70	29.35
28 46 13 31-1688	EA	B-7R, 12 Volt DC, 7 Ampere Hours Sealed Lead Acid Battery (Gamewell-FCI 100-2311A)	180.56	29.35
28 46 13 31-1689	EA	BC-1, Battery Cabinet, Beige (Gamewell-FCI 1100-0653)	423.77	58.68
28 46 13 31-1690	EA	BC-1R, Battery Cabinet, Red (Gamewell-FCI 1100-0654)	423.77	58.68
28 46 13 31-1691	EA	12" High x 12" Wide x 24" Length Vented Steel Battery Cabinet With Hinged Key Lockable Cover (Gamewell-FCI GW70970)	374.68	58.68
28 46 13 31-1692 Electronic Door Holders (28 46 13 31-1599)				
		Note: Rixson products.		
28 46 13 31-1693	EA	XK-996, Door Holder Extender Kit, 1-1/2" Spacer (Gamewell-FCI 140-30000).....	61.51	5.87
28 46 13 31-1694	EA	FM-980, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Floor Mount Door Holder(Gamewell-FCI 140-90000)	494.30	44.01
28 46 13 31-1695	EA	FM-981, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Floor Mount Holder For Double Doors (Gamewell-FCI 140-90001)	678.82	44.01
28 46 13 31-1696	EA	FM-990, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Low Profile Mount Door Holder (Gamewell-FCI 140-90002)	310.47	44.01
28 46 13 31-1697	EA	FM-996, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Surface Mount Door Holder (Gamewell-FCI 140-90003)	295.23	44.01
28 46 13 31-1698	EA	FM-997, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Recessed Mount Door Holder (Gamewell-FCI 140-90004)	310.47	44.01
28 46 13 31-1699	EA	FM-998, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Recessed Mount Door Holder With Concealed Wiring (Gamewell-FCI 140-90005)	309.79	44.01
28 46 13 31-1700 Fire Alarm Programming (28 46 13 31-1599)				
		Note: For device replacement projects only. Tasks not to be used on projects where a fire alarm panel is replaced.		
28 46 13 31-1701	EA	Program And Test Up To 5 Total Fire Alarm Devices	500.00	
28 46 13 31-1702	EA	Program And Test >5 To 20 Total Fire Alarm Devices	1,000.00	
28 46 13 31-1703	EA	Program And Test >20 To 50 Total Fire Alarm Devices	2,000.00	
28 46 13 31-1704 Fire-Lite Fire Alarm (28 46 13 31-0977)				
28 46 13 31-1705 Intelligent Addressable Fire Alarm Control Panel (28 46 13 31-1704)				
28 46 13 31-1706	EA	50 Point, Addressable Fire Alarm Control Panels (Fire-Lite ES-50X)	1,275.10	234.75
28 46 13 31-1707	EA	198 Point, Addressable Fire Alarm Control Panels (Fire-Lite ES-200X)	1,643.68	264.08
28 46 13 31-1708	EA	954 Point, Addressable Fire Alarm Control Panels (Fire-Lite ES-1000X)	2,458.14	293.43
28 46 13 31-1709	EA	Loop Expander Module (Fire-Lite SLC-3LS).....	732.42	44.01
28 46 13 31-1710	EA	Optional Cabinet For 1 Or 2 Modules (Fire-Lite BB-2F).....	203.30	29.35
28 46 13 31-1711	EA	Optional Cabinet For Up To 6 Modules Mounted On CHS-6 (Fire-Lite BB-6F)	288.08	29.35
28 46 13 31-1712	EA	Battery Back Box (Fire-Lite BB-26).....	177.03	17.61
28 46 13 31-1713	EA	Battery Box (Fire-Lite BB-55F).....	327.50	17.61
28 46 13 31-1714	EA	Chassis, Mounts Up To 6 Multi-Modules In A BB-6F Cabinet (Fire-Lite CHS-6)	89.58	11.74
28 46 13 31-1715	EA	Chassis, Mounts Up To Six Multi-Modules In A BB-6F Cabine (Fire-Lite CHG-75).....	768.81	29.35

28 Electronic Safety and Security**28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

28 46 13 31-1716	EA	Battery Charger For Lead-Acid Batteries With A Rating Of 25 To 75 AH (Fire-Lite CHG-120F).....	1,638.93	58.68
28 46 13 31-1717	EA	6 AMP, NAC Expander Power Supply (Fire-Lite FL-PS6).....	891.77	29.35
28 46 13 31-1718	EA	10 AMP, NAC Expander Power Supply (Fire-Lite FL-PS10).....	921.50	29.35
28 46 13 31-1719	EA	Remote, Red LCD Annunciator Mimics The Information Displayed On The Face LCD Display (Fire-Lite ANN-80).....	359.76	29.35
28 46 13 31-1720	EA	Led Driver Module Provides Connections To A User Supplied Graphic Annunciator (Fire-Lite ANN-I/O).....	440.67	29.35
28 46 13 31-1721	EA	Annunciator Module Provides Three Leds For Each Zone: Alarm, Trouble, And Supervisory. Ships With Red Enclosure (Fire-Lite ANN-LED).....	385.18	29.35
28 46 13 31-1722	EA	Provides Alarm (Red) Indicators For Up To 30 Input Zones Or Addressable Points (Fire-Lite ANN-RLED).....	385.18	29.35
28 46 13 31-1723	EA	Relay Module Provides 10 Programmable Form-C Relays (Fire-Lite ANN-RLY).....	309.41	29.35
28 46 13 31-1724	EA	Serial/Parallel Printer Gateway Module (Fire-Lite ANN-S/PG).....	302.55	29.35
28 46 13 31-1725	EA	Addressable Low-Profile Photoelectric Smoke Detector (Fire-Lite SD365(A)).....	154.83	44.01
28 46 13 31-1726	EA	Addressable Low-Profile Photoelectric Smoke Detector With Thermal Sensor (Fire-Lite SD365T(A)).....	173.54	44.01
28 46 13 31-1727	EA	Remote Test Capable Addressable Photoelectric Smoke Detector For Use With DNR (W) Duct Detector Housing (Fire-Lite SD365R(A)).....	178.90	44.01
28 46 13 31-1728	EA	Addressable, Low-Profile Device That Provides Fire, Heat, And Carbon Monoxide (CO) Detection (Fire-Lite SD365CO).....	320.39	44.01
28 46 13 31-1729	EA	Low-Profile 135°F Fixed Thermal Sensor (Fire-Lite H365(A)).....	148.14	44.01
28 46 13 31-1730	EA	Low-Profile, Intelligent, Rate-Of-Rise Thermal Sensor (Fire-Lite H365R(A)).....	166.78	44.01
28 46 13 31-1731	EA	Low-Profile Intelligent 190°F/88°C Fixed Thermal Sensor (Fire-Lite H365HT(A)).....	197.16	44.01
28 46 13 31-1732	EA	Low-Flow Non-Relay Duct-Detector Housing (Fire-Lite D365PL).....	622.23	44.01
28 46 13 31-1733	EA	Addressable Low-Profile Ionization Smoke Detector (Fire-Lite CP355(A)).....	230.25	44.01
28 46 13 31-1734	EA	Addressable Low-Profile Photoelectric Smoke Detector (Fire-Lite SD355(A)).....	154.83	44.01
28 46 13 31-1735	EA	Addressable Low-Profile Photoelectric Smoke Detector With Thermal Sensor (Fire-Lite SD355T(A)).....	200.00	44.01
28 46 13 31-1736	EA	Remote Test Capable Addressable Photoelectric Smoke Detector For Use With DNR (W) Duct Detector Housing (Fire-Lite SD355R(A)).....	223.93	44.01
28 46 13 31-1737	EA	Addressable, Low-Profile Device That Provides Fire, Heat, And Carbon Monoxide (Co) Detection (Fire-Lite SD355CO).....	164.85	44.01
28 46 13 31-1738	EA	Fast-Response, Low-Profile Heat Detector (Fire-Lite H355(A)).....	199.37	44.01
28 46 13 31-1739	EA	Fast-Response, Low-Profile Heat Detector With Rate-Of-Rise Option (Fire-Lite H355R(A)).....	192.96	44.01
28 46 13 31-1740	EA	Fast-Response, Low-Profile Heat Detector That Activates At 190°F/88°C (Fire-Lite H355HT(A)).....	226.04	44.01
28 46 13 31-1741	EA	Low-Profile, Intelligent, "Adapt" Multi-Sensor Detector (B350LP Base Included) (Fire-Lite AD355(A)).....	220.77	44.01
28 46 13 31-1742	EA	Programmable, Addressable Sounder Base (Fire-Lite B200S(A)-WH).....	140.27	29.35
28 46 13 31-1743	EA	Addressable Sounder Base (Fire-Lite B200SR(A)-WH).....	162.00	29.35
28 46 13 31-1744	EA	Programmable, Addressable Sounder Base, Low-Frequency (Fire-Lite B200S-LF-WH).....	185.41	29.35
28 46 13 31-1745	EA	Addressable Sounder Base, Low-Frequency (Fire-Lite B200SR-LF-WH).....	189.35	29.35
28 46 13 31-1746	EA	Intelligent Beam Smoke Detector (Fire-Lite BEAM355).....	1,705.15	44.01
28 46 13 31-1747	EA	Intelligent Beam Smoke Detector With Integral Sensitivity Test (Fire-Lite BEAM355S).....	1,951.67	44.01
28 46 13 31-1748	EA	Innovairflex Low-Flow Non-Relay Duct-Detector Housing (Includes SD355R) (Fire-Lite D355PL(A)).....	275.48	29.35
28 46 13 31-1749	EA	Innovairflex Low-Flow Non-Relay Duct-Detector Housing (Fire-Lite DNR(A)).....	167.14	29.35
28 46 13 31-1750	EA	Innovairflex Low-Flow Non-Relay Duct-Detector Housing, With NEMA-4 Rating, Watertight (Fire-Lite DNRW).....	257.21	29.35
28 46 13 31-1751	EA	Addressable Control Module For One Class B Or A Zone Of Supervised Polarized Notification Appliances (Fire-Lite CMF-300).....	108.89	17.61
28 46 13 31-1752	EA	Six-Circuit Supervised Control Module (Fire-Lite CMF-300-6).....	565.50	29.35
28 46 13 31-1753	EA	Addressable Relay Module Containing Two Isolated Sets Of Form-C Contacts, Which Operate As A Dpdt Switch (Fire-Lite CRF-300).....	164.12	29.35
28 46 13 31-1754	EA	Six-Relay Control Module (Form-C Relays) (Fire-Lite CRF-300-6).....	472.20	29.35
28 46 13 31-1755	EA	Module Isolates The SLC (DCL) Loop From Short Circuit Conditions (Fire-Lite I300).....	89.08	14.67
28 46 13 31-1756	EA	Six-Fault Isolator Module (Fire-Lite ISO-6).....	422.97	29.35
28 46 13 31-1757	EA	Dual Monitor Module (Fire-Lite MDF-300).....	199.83	29.35
28 46 13 31-1758	EA	Addressable Monitor Module For One Zone Of Normally-Open Dry-Contact Initiating Devices (Fire-Lite MMF-300).....	88.83	14.67
28 46 13 31-1759	EA	Ten-Input Monitor Module (Fire-Lite MMF-300-10).....	612.13	29.35
28 46 13 31-1760	EA	Miniature Version Of MMF-300 (Fire-Lite MMF-301).....	117.75	23.47
28 46 13 31-1761	EA	Addressable Monitor Module For One Zone Of Conventional Two-Wire Detectors (Fire-Lite MMF-302).....	167.78	29.35
28 46 13 31-1762	EA	Six-Zone Interface Module (Fire-Lite MMF-302-6).....	605.40	29.35
28 46 13 31-1763	EA	Mount For Modules (Fire-Lite SMB500).....	17.92	2.94

28 46 13 31-1764 Addressable Control Panels (28 46 13 31-1704)

28 46 13 31-1765	EA	25 Point Intelligent Control (Fire Lite MS-25).....	1,934.29	586.86
28 46 13 31-1766	EA	50 Point Intelligent Control (Fire Lite MS-9050UD).....	2,119.34	586.86
28 46 13 31-1767	EA	198-Point Intelligent Control (Fire Lite MS-9200UDLS).....	2,991.41	586.86
28 46 13 31-1768	EA	636-Point Intelligent Control (Fire Lite MS-9600LS).....	4,389.78	586.86
28 46 13 31-1769	EA	636-Point Intelligent Control (Fire Lite MS-9600UDLS).....	4,306.51	586.86
28 46 13 31-1770	EA	IP And 4G Cellur Fire Alarm Communicator For Fire Alarm Control Panel (Fire-Lite IPGSM-4G).....	688.28	

28 46 13 31-1771 Silent Knight Fire Alarm (28 46 13 31-0977)**28 46 13 31-1772 Addressable Fire Alarm Control Panel (28 46 13 31-1771)**

28 46 13 31-1773	EA	Addressable Fire Alarm Control Panel (Silent Knight 6820).....	2,532.94	293.43
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28 46 13 31-1774 Intelligent Addressable Fire Alarm Control Panel with Emergency Voice System (28 46 13 31-1771)

28 46 13 31-1775	EA	Intelligent Fire Alarm Control Panel with Emergency Voice System (Silent Knight 6820EVS).....	4,921.41	293.43
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28 46 13 31-1776 Compatable EVS Equipment (28 46 13 31-1771)

28 46 13 31-1777	EA	50 Watt Amplifier (Silent Knight EVS-50W).....	897.77	58.68
28 46 13 31-1778	EA	125 Watt Amplifier (Silent Knight EVS-125W).....	1,574.00	58.68
28 46 13 31-1779	EA	50/100 Watt Amplifier (Silent Knight EVS-100W).....	1,956.56	58.68
28 46 13 31-1780	EA	External Backup Amplifier (Silent Knight EVS-100WBU).....	687.56	58.68
28 46 13 31-1781	EA	50 Watt Internal Amplifier (Silent Knight EVS-INT50W).....	646.52	58.68
28 46 13 31-1782	EA	4 Additional Audio Circuits (Silent Knight EVS-CE4).....	235.33	14.67
28 46 13 31-1783	EA	Remote Voice Module (Silent Knight EVS-RVM).....	1,049.23	23.47

MINOR		DESCRIPTION		TOTAL DIRECT	DEMOLITION
CSI UOM				UNIT COST	UNIT COST
28 46 13 31-1784	EA	24 Switch Expander (Silent Knight EVS-SW24)	.....	416.22	29.35
28 46 13 31-1785	EA	Network Voice Control Module (Silent Knight EVS-VCM)	.....	1,255.81	23.47
28 46 13 31-1786	EA	Local Operator Console (Silent Knight EVS-LOC)	.....	1,690.82	58.68
28 46 13 31-1787 Compatible SBUS Devices (28 46 13 31-1771)					
28 46 13 31-1788	EA	4x40 LCD Remote Fire Annunciator With Four Programmable Buttons, Red (Silent Knight 6860)	.....	1,012.85	58.68
28 46 13 31-1789	EA	4x20 LCD Remote Fire Annunciator, Gray (Silent Knight 5860)	.....	454.60	58.68
28 46 13 31-1790	EA	4x20 LCD Remote Fire Annunciator, Red (Silent Knight 5860R)	.....	541.31	58.68
28 46 13 31-1791	EA	4x20 LCD Remote Fire Annunciator, Red (Silent Knight 6855)	.....	356.30	58.68
28 46 13 31-1792	EA	LED Annunciators- Display Up To 30 LEDs (15 Red/15 Yellow) (Silent Knight 5865-3)	.....	457.85	58.68
28 46 13 31-1793	EA	LED Annunciators- Display Up To 30 LEDs (15 Red/15 Yellow) With Key Switches For Silence And Reset, And A System Trouble Led (Silent Knight 5865-4)	.....	483.92	58.68
28 46 13 31-1794	EA	LED I/O Module With 40 Programmable LED Outputs And Eight Supervised Dry Contact Inputs (Silent Knight 5880)	.....	378.03	44.01
28 46 13 31-1795	EA	Relay Interface. Provides 10 Form C Relays (Silent Knight 5883)	.....	229.32	29.35
28 46 13 31-1796	EA	Serial/Parallel Printer Interface Module For Printer Connection (Silent Knight 5824)	.....	310.41	29.35
28 46 13 31-1797 SK Compatible Addressable Device (28 46 13 31-1771)					
28 46 13 31-1798	EA	Multi Criteria Photoelectric Smoke Detector With Thermal 135°F Fixed Temperature (Silent Knight SK-ACCLIMATE)	.....	162.16	44.01
28 46 13 31-1799	EA	Reflected Beam Smoke Detector Without Test Feature (Silent Knight SK-BEAM)	.....	926.57	44.01
28 46 13 31-1800	EA	Reflected Beam Smoke Detector With Test Feature (Silent Knight SK-BEAM-T)	.....	1,050.52	44.01
28 46 13 31-1801	EA	Reflected Beam Smoke Detector, SK Protocol (Silent Knight OSI-RI-SK)	.....	1,184.93	44.01
28 46 13 31-1802	EA	Supervised Control Module (Silent Knight SK-CONTROL)	.....	160.53	44.01
28 46 13 31-1803	EA	Six Circuit Supervised Control Module (Silent Knight SK-CONTROL-6)	.....	482.85	58.68
28 46 13 31-1804	EA	Photoelectric Duct Smoke Detector With Extended Air Speed Range (Silent Knight SK-DUCT)	.....	261.07	44.01
28 46 13 31-1805	EA	Four Criteria Fire And Carbon Monoxide Detector (Silent Knight SK-FIRE-CO)	.....	235.51	44.01
28 46 13 31-1806	EA	Four Criteria Fire And Carbon Monoxide Detector, White (Silent Knight SK-FIRE-CO-W)	.....	263.12	44.01
28 46 13 31-1807	EA	Fixed Thermal Detector (135°F) (Silent Knight SK-HEAT)	.....	147.35	44.01
28 46 13 31-1808	EA	Fixed Thermal Detector (135°F), White (Silent Knight SK-HEAT-W)	.....	151.56	44.01
28 46 13 31-1809	EA	Fixed Rate Of Rise Detector (Silent Knight SK-HEAT-ROR)	.....	149.01	44.01
28 46 13 31-1810	EA	Fixed Rate Of Rise Detector, White (Silent Knight SK-HEAT-ROR-W)	.....	151.56	44.01
28 46 13 31-1811	EA	Fixed High Temperature Heat Detector (190°F) (Silent Knight SK-HEAT-HT)	.....	147.35	44.01
28 46 13 31-1812	EA	Fixed High Temperature Heat Detector (190°F), White (Silent Knight SK-HEAT-HT-W)	.....	151.56	44.01
28 46 13 31-1813	EA	Fault Isolator Module (Silent Knight SK-ISO)	.....	147.35	44.01
28 46 13 31-1814	EA	Mini Monitor Module (Silent Knight SK-MINIMON)	.....	135.81	44.01
28 46 13 31-1815	EA	Monitor Module (Silent Knight SK-MONITOR)	.....	144.35	44.01
28 46 13 31-1816	EA	Dual Input Monitor Module (Silent Knight SK-MONITOR-2)	.....	186.91	44.01
28 46 13 31-1817	EA	10 Input Monitor Module (Silent Knight SK-MON-10)	.....	544.82	58.68
28 46 13 31-1818	EA	Photoelectric Smoke Detector (Silent Knight SK-PHOTO)	.....	150.65	44.01
28 46 13 31-1819	EA	Photoelectric Smoke Detector, White (Silent Knight SK-PHOTO-W)	.....	159.30	44.01
28 46 13 31-1820	EA	Photoelectric Detector With Remote Test Capability (Silent Knight SK-PHOTO-R)	.....	153.12	44.01
28 46 13 31-1821	EA	Photoelectric Detector With Remote Test Capability, White (Silent Knight SK-PHOTO-R-W)	.....	161.88	44.01
28 46 13 31-1822	EA	Photoelectric Smoke Detector With Fixed Thermal Heat (135°F) (Silent Knight SK-PHOTO-T)	.....	157.25	44.01
28 46 13 31-1823	EA	Photoelectric Smoke Detector With Fixed Thermal Heat (135°F), White (Silent Knight SK-PHOTO-T-W)	.....	165.99	44.01
28 46 13 31-1824	EA	Multi Criteria Photoelectric Smoke Detector With Thermal 135°F Fixed Temperature, White (Silent Knight SK-PTIR-W)	.....	176.31	44.01
28 46 13 31-1825	EA	Addressable Single Action Pull Station (Silent Knight SK-PULL-SA)	.....	142.01	29.35
28 46 13 31-1826	EA	Addressable Dual Action Pull Station (Silent Knight SK-PULL-DA)	.....	142.01	29.35
28 46 13 31-1827	EA	Addressable Relay Module (Silent Knight SK-RELAY)	.....	131.18	29.35
28 46 13 31-1828	EA	Addressable Six Relay Control Module (Silent Knight SK-RELAY-6)	.....	470.14	58.68
28 46 13 31-1829	EA	Addressable Dual Relay/Monitor Module (Silent Knight SK-RELAYMON-2)	.....	294.01	44.01
28 46 13 31-1830	EA	Addressable Zone Interface Module (Silent Knight SK-ZONE)	.....	173.72	44.01
28 46 13 31-1831	EA	Six Zone Interface Module (Silent Knight SK-ZONE-6)	.....	567.08	58.68
28 46 13 31-1832 SK Bases (28 46 13 31-1771)					
28 46 13 31-1833	EA	6" Mounting Base (Silent Knight B210LP)	.....	42.94	14.67
28 46 13 31-1834	EA	4" Flangeless Mounting Base (Silent Knight B501)	.....	45.69	14.67
28 46 13 31-1835	EA	Intelligent Sounder Base (Silent Knight B200S)	.....	88.66	14.67
28 46 13 31-1836	EA	Low-Frequency Intelligent Sounder Base (Silent Knight B200-LF)	.....	123.29	14.67
28 46 13 31-1837	EA	Relay Base (Silent Knight B224RB)	.....	72.87	14.67
28 46 13 31-1838	EA	Isolator Base (Silent Knight B224BI)	.....	72.02	14.67
28 46 13 31-1839 SD Compatible Addressable Device (28 46 13 31-1771)					
28 46 13 31-1840	EA	Addressable Smoke 4" Detector Base (Silent Knight SD505-4AB)	.....	41.21	14.67
28 46 13 31-1841	EA	Addressable Smoke 6" Detector Base (Silent Knight SD505-6AB)	.....	55.69	14.67
28 46 13 31-1842	EA	6" Addressable Relay Base (Silent Knight SD505-6RB)	.....	152.57	14.67
28 46 13 31-1843	EA	6" Addressable Sounder Base (Silent Knight SD505-6SB)	.....	157.99	14.67
28 46 13 31-1844	EA	Addressable Input Module (Silent Knight SD500-AIM)	.....	254.04	44.01
28 46 13 31-1845	EA	Addressable Notification Module (Silent Knight SD500-ANM)	.....	242.95	44.01
28 46 13 31-1846	EA	Addressable Relay Module (Silent Knight SD500-ARM)	.....	262.13	44.01
28 46 13 31-1847 System Expanders (28 46 13 31-1771)					
28 46 13 31-1848	EA	SLC Expander For IDP Or SK Devices (Silent Knight 6815)	.....	539.77	58.68
28 46 13 31-1849	EA	SLC Expander For SD Devices (Silent Knight 5815XL)	.....	475.77	58.68
28 46 13 31-1850	EA	6A Power Supply With 6 Flexput Circuits And 2 Form C Relays (Silent Knight RPS-1000)	.....	846.86	29.35
28 46 13 31-1851	EA	6 AMP NAC Power Expander With 4 Power-Limited Output Ckts (Silent Knight 5496)	.....	591.50	88.03

28 Electronic Safety and Security**28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

28 46 13 31-1852		Miscellaneous Accessories (28 46 13 31-1771)		
28 46 13 31-1853	EA	Remote Battery Box Accessory Cabinet (Silent Knight RBB)	142.72	29.35

28 46 13 31-1854		Silent Knight Fire Alarm (28 46 13 31-0977)		
28 46 13 31-1855	EA	Addressable Fire Alarm Control Panel With Integrated Emergency Communication System (Silent Knight 5820XL-EVS)	3,944.81	293.43
28 46 13 31-1856	EA	Supervised Remote Command Unit (Silent Knight EVS-RCU)	1,658.32	176.06
28 46 13 31-1857	EA	Voice Evacuation System (Silent Knight SKE-450)	1,944.53	117.37
28 46 13 31-1858	EA	Fire Fighters Telephone (Silent Knight SK-FFT)	1,621.05	117.37
28 46 13 31-1859	EA	Multi-Loop Addressable Fire Alarm Control/Communicator System (Silent Knight 5820XL)	1,747.88	176.06
28 46 13 31-1860	EA	Single Loop Addressable Fire Alarm Control/Communicator System (Silent Knight 5808)	1,245.20	117.37
28 46 13 31-1861	EA	Single Loop Addressable Fire Alarm Control/Communicator System (Silent Knight 5700)	962.64	117.37
28 46 13 31-1862	EA	Hybrid Conventional Fire Alarm Control/Communicator System (Silent Knight 5600)	836.39	117.37
28 46 13 31-1863	EA	Ionization Smoke Detector (Silent Knight SK-ION)	169.44	44.01
28 46 13 31-1864	EA	Sounder Base (Silent Knight B200SR)	91.44	14.67
28 46 13 31-1865	EA	Intelligent Sounder Base (Silent Knight B200S)	96.48	14.67
28 46 13 31-1866	EA	Isolator Base (Silent Knight B224BI)	77.19	14.67
28 46 13 31-1867	EA	Relay Base (Silent Knight B224RB)	78.02	14.67
28 46 13 31-1868	EA	Analog Ionization Smoke Detector (Silent Knight SD505-AIS)	166.22	44.01
28 46 13 31-1869	EA	Addressable Heat Sensor (Silent Knight SD505-AHS)	180.85	44.01
28 46 13 31-1870	EA	Addressable Photoelectric Smoke Detector (Silent Knight SD505-APS)	156.83	44.01
28 46 13 31-1871	EA	6" Isolator Base (Silent Knight SD505-6IB)	95.65	14.67
28 46 13 31-1872	EA	SLC Annunciator Driver Module (Silent Knight SD500-LED)	629.63	88.03
28 46 13 31-1873	EA	Loop Isolation Module (Silent Knight SD500-LIM)	161.87	44.01
28 46 13 31-1874	EA	Addressable Mini Input Module (Silent Knight SD500-MIM)	124.98	29.35
28 46 13 31-1875	EA	Single Action Addressable Pull Station (Silent Knight SD500-PS)	157.27	29.35
28 46 13 31-1876	EA	Dual Action Addressable Pull Station (Silent Knight SD500-PSDA)	150.80	29.35
28 46 13 31-1877	EA	Back Box (Silent Knight SK-PSSMBB)	74.01	23.47
28 46 13 31-1878	EA	Smoke Detector Module (Silent Knight SD500-SDM)	178.53	44.01
28 46 13 31-1879	EA	Addressable Duct Housing (Silent Knight SD505-DUCT)	315.69	44.01
28 46 13 31-1880	EA	Addressable Duct Housing With Built-In Relay (Silent Knight SD505-DUCTR)	354.60	44.01
28 46 13 31-1881	EA	Addressable Duct Detector Test Switch (Silent Knight SD505-DTS)	160.20	44.01
28 46 13 31-1882	EA	Intelligent Power Module (Silent Knight 5895XL)	903.41	117.37
28 46 13 31-1883	EA	Addressable Pull Station (Silent Knight SK-Pull-DA/SA)	150.80	29.35
28 46 13 31-1884	EA	Digital Fire Communicator with Cabinet (Silent Knight SK-5104)	518.95	88.03
28 46 13 31-1885	EA	Communicator (Silent Knight IPGSM-4G)	734.70	58.68
28 46 13 31-1886	EA	Ten Zone Conventional Fire Alarm Control Panel (Silent Knight SK-5208)	1,172.81	117.37
28 46 13 31-1887	EA	10 Zone Expander (Silent Knight SK-5217)	326.84	29.35
28 46 13 31-1888	EA	Remote Annunciator (Silent Knight SK-5235)	341.35	58.68
28 46 13 31-1889	EA	Status Display Module (Silent Knight 5280)	104.85	29.35
28 46 13 31-1890	EA	Four Zone Conventional Fire Alarm Control Panel (Silent Knight SK-4)	691.43	117.37
28 46 13 31-1891	EA	Four Zone Conventional Fire Alarm Control Panel (Silent Knight SK-4E)	703.90	117.37
28 46 13 31-1892	EA	Dress Panel (Silent Knight SK-DP2/4)	134.20	29.35
28 46 13 31-1893	EA	Class A Converter (Silent Knight SK-CAC4)	334.10	44.01
28 46 13 31-1894	EA	Transmitter Module (Silent Knight SK-4XTM)	186.62	44.01
28 46 13 31-1895	EA	LED Interface Module (Silent Knight SK-4XLM)	173.68	44.01
28 46 13 31-1896	EA	110 Volt AC, 3-6 Amperes, Transformer (Silent Knight SK-XRM24)	170.19	29.35
28 46 13 31-1897	EA	Remote Annunciator (Silent Knight SK-RZA4)	173.68	44.01
28 46 13 31-1898	EA	Zone Relay Module (Silent Knight SK-4XZM)	185.00	44.01
28 46 13 31-1899	EA	Two Zone Conventional Fire Alarm Control Panel (Silent Knight SK-2)	605.70	117.37
28 46 13 31-1900	EA	Manual Pull Station (single action) (Silent Knight PS-SATK)	89.97	29.35
28 46 13 31-1901	EA	Manual Pull Station (dual action) (Silent Knight PS-DATK)	96.22	29.35
28 46 13 31-1902	EA	Manual Pull Station (dual action) (Silent Knight PS-DA)	94.46	29.35
28 46 13 31-1903	EA	Dual Action Manual Pull Station, Hex Key (Silent Knight PS-DAH)	85.90	29.35
28 46 13 31-1904	EA	Dual Action Listed Outdoor Manual Pull Station With Black Box (Silent Knight PS-DALOB)	177.09	35.21
28 46 13 31-1905	EA	6 Amperes, 24 Volt DC, Distributed Power Module (with cabinet) (Silent Knight SK-5495)	596.90	88.03
28 46 13 31-1906	EA	9 Amperes, 24 Volt DC, Distributed Power Module (with cabinet) (Silent Knight SK-5499)	665.48	88.03
28 46 13 31-1907	EA	Detector (Silent Knight IDP-PhotoR)	212.41	44.01
28 46 13 31-1908	EA	Monitoring Module (Silent Knight IDP)	218.96	44.01
28 46 13 31-1909	EA	I/O Input-Output Module (Silent Knight SK-2880)	516.94	29.35
28 46 13 31-1910	EA	Remote Annunciator (Silent Knight RA-2000)	1,485.36	88.03
28 46 13 31-1911	EA	Power Supply (Silent Knight 5195/96)	909.72	29.35
28 46 13 31-1912	EA	8 Zone Expander (Silent Knight SK-5210)	713.33	29.35
28 46 13 31-1913	EA	LCD Remote Annunciator (Silent Knight SK-5230)	325.57	58.68
28 46 13 31-1914	EA	Ionization Smoke Detector (Silent Knight SK-ION)	169.44	44.01
28 46 13 31-1915	EA	Addressable Relay Module (Silent Knight IDP-Relay)	186.23	44.01
28 46 13 31-1916	EA	Telephone Line Monitor (Silent Knight SK-7150)	117.60	29.35
28 46 13 31-1917	EA	Serial Driver Board (Silent Knight SK-2884)	204.01	29.35
28 46 13 31-1918	EA	Smoke Detector Base (Silent Knight IDP-6AB)	62.08	14.67
28 46 13 31-1919	EA	Mini Input Module (Silent Knight IDP-MINIMON)	156.88	29.35
28 46 13 31-1920	EA	Status Display Module (Silent Knight SK-4180)	530.03	29.35
28 46 13 31-1921	EA	8-Channel Digital Communicator (Silent Knight SK-1420)	320.54	29.35
28 46 13 31-1922	EA	Serial Parallel Module (Silent Knight SK-4824)	294.35	29.35
28 46 13 31-1923	EA	Power Supply (Silent Knight SK-5197 / SK-5198)	1,040.66	29.35
28 46 13 31-1924	EA	4-Zone Fire Alarm Control Panel, Complete (Silent Knight SK-5204)	1,805.91	117.37
28 46 13 31-1925	EA	Intelligent Ionization Smoke Detector (Silent Knight IDP-ION)	218.96	44.01
28 46 13 31-1926	EA	Intelligent Photoelectric Smoke Detector (Silent Knight IDP-Photo)	186.23	44.01

28 46 13 31-1927		Alerton Fire Alarm (28 46 13 31)		
28 46 13 31-1928	EA	UL Listed Surge Protector In CHS-M3 Or CPU2-640 Chassis (Alerton ESD-100)	639.16	8.80

MINOR			TOTAL DIRECT		DEMOLITION	
CSI UOM DESCRIPTION			UNIT COST		UNIT COST	
28 46 13 31-1929 Cooper Fire Alarm (28 46 13 31)						
28 46 13 31-1930	EA	Single Circuit Class A / Multiple B, 12 Or 24 Volt DC, Sync Module (Cooper DSM-12/24-R).....	205.14		29.35	
28 46 13 31-1931	EA	Red Lens, 21 Joules, 24 Volt DC, Class I, Div 1, Groups C, D, NEMA 4X And 6, Strobe (Cooper EP109205-001).....	4,686.93		49.88	
28 46 13 31-1932	EA	Red, 100 dB, 24 Volt DC, Class I, Div 1, Groups C, D, NEMA 4X, Multitone Horn (Cooper EP109206-002).....	6,186.54		49.88	
28 46 13 31-1933	EA	Red Lens, 5 Joules, 24 Volt DC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109201-001).....	2,245.16		58.68	
28 46 13 31-1934	EA	Clear Lens, 5 Joules, 24 Volt DC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109201-002).....	2,258.49		58.68	
28 46 13 31-1935	EA	Amber Lens, 5 Joules, 110 Volt AC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109201-007).....	2,258.49		58.68	
28 46 13 31-1936	EA	Red Lens, 10 Joules, 24 Volt DC, Wire Guard, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-001).....	1,668.64		58.68	
28 46 13 31-1937	EA	Amber Lens, 10 Joules, 120 Volt AC, Wire Guard, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-003).....	1,668.64		58.68	
28 46 13 31-1938	EA	Red Lens, 10 Joules, 120 Volt AC, Wire Guard, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-004).....	1,668.64		58.68	
28 46 13 31-1939	EA	Amber Lens, 15 Joules, 120 Volt AC, Wire Guard, Black Finish, Backstrap, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-005).....	2,258.49		58.68	
28 46 13 31-1940	EA	Amber Lens, 15 Joules, 120 Volt AC, Wire Guard, Black Finish, Pendant Mounted, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-006).....	2,258.49		58.68	
28 46 13 31-1941	EA	Red Lens, 15 Joules, 120 Volt AC, Wire Guard, Black Finish, Blackstrap, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-007).....	2,258.49		58.68	
28 46 13 31-1942	EA	Red Lens, 15 Joules, 120 Volt AC, Wire Guard, Black Finish, Pendant Mounted, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-008).....	2,258.49		58.68	
28 46 13 31-1943	EA	Red Lens, 15 Joules, 24 Volt DC, Wire Guard, Blackstrap, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109203-002).....	2,258.49		58.68	
28 46 13 31-1944	EA	Red Lens, 21 Joules, 24 Volt DC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-001).....	2,603.40		58.68	
28 46 13 31-1945	EA	Red Lens, 21 Joules, 24 Volt DC, Black Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-003).....	2,416.78		58.68	
28 46 13 31-1946	EA	Amber Lens, 21 Joules, 110 Volt AC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-005).....	2,416.78		58.68	
28 46 13 31-1947	EA	Red Lens, 21 Joules, 110 Volt AC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-006).....	2,416.78		58.68	
28 46 13 31-1948 Light Engineered Displays Message Boards (28 46 13 31)						
28 46 13 31-1949	EA	Two Message Sign, Announcement And Evacuate (LED SP-2/MNS).....	961.39		35.21	
28 46 13 31-1950	EA	Four Message Sign, Fire, Weather, Announcement, E Voltuate (LED SP-4).....	846.71		35.21	
28 46 13 31-1951 Safety Technology International Fire Alarm (28 46 13 31)						
28 46 13 31-1952 Enclosures (28 46 13 31-1951)						
28 46 13 31-1953	EA	6" Height x 6" Width x 4" Depth, Opaque, Fiberglass Enclosure (STI EF060604-O).....	157.89		17.61	
28 46 13 31-1954	EA	6" Height x 6" Width x 4" Depth, Opaque, Fiberglass Enclosure With Window (STI EF060604-W).....	207.18		17.61	
28 46 13 31-1955	EA	8" Height x 6" Width x 4" Depth, Opaque, Fiberglass Enclosure (STI EF080604-O).....	161.18		17.61	
28 46 13 31-1956	EA	8" Height x 6" Width x 4" Depth, Opaque, Fiberglass Enclosure With Window (STI EF080604-W).....	208.28		17.61	
28 46 13 31-1957	EA	8" Height x 8" Width x 4" Depth, Opaque, Fiberglass Enclosure (STI EF080804-O).....	165.56		17.61	
28 46 13 31-1958	EA	8" Height x 8" Width x 4" Depth, Opaque, Fiberglass Enclosure With Window (STI EF080804-W).....	241.14		17.61	
28 46 13 31-1959	EA	10" Height x 8" Width x 6" Depth, Opaque, Fiberglass Enclosure (STI EF100806-O).....	173.23		17.61	
28 46 13 31-1960	EA	10" Height x 8" Width x 6" Depth, Opaque, Fiberglass Enclosure With Window (STI EF100806-W).....	240.04		17.61	
28 46 13 31-1961	EA	12" Height x 10" Width x 6" Depth, Opaque, Fiberglass Enclosure (STI EF121006-O).....	186.37		17.61	
28 46 13 31-1962	EA	12" Height x 10" Width x 6" Depth, Opaque, Fiberglass Enclosure With Window (STI EF121006-W).....	260.85		17.61	
28 46 13 31-1963	EA	14" Height x 12" Width x 6" Depth, Opaque, Fiberglass Enclosure (STI EF141206-O).....	222.52		17.61	
28 46 13 31-1964	EA	14" Height x 12" Width x 6" Depth, Opaque, Fiberglass Enclosure With Window (STI EF141206-W).....	339.72		17.61	
28 46 13 31-1965	EA	14" Height x 12" Width x 8" Depth, Opaque, Fiberglass Enclosure (STI EF141208-O).....	240.04		17.61	
28 46 13 31-1966	EA	14" Height x 12" Width x 8" Depth, Opaque, Fiberglass Enclosure With Window (STI EF141208-W).....	429.54		17.61	
28 46 13 31-1967	EA	16" Height x 14" Width x 8" Depth, Opaque, Fiberglass Enclosure (STI EF161408-O).....	255.38		17.61	
28 46 13 31-1968	EA	16" Height x 14" Width x 8" Depth, Opaque, Fiberglass Enclosure With Window (STI EF161408-W).....	442.68		17.61	
28 46 13 31-1969	EA	18" Height x 16" Width x 10" Depth, Opaque, Fiberglass Enclosure (STI EF181610-O).....	304.67		17.61	
28 46 13 31-1970	EA	18" Height x 16" Width x 10" Depth, Opaque, Fiberglass Enclosure With Window (STI EF181610-W).....	454.73		17.61	
28 46 13 31-1971	EA	20" Height x 16" Width x 10" Depth, Opaque, Fiberglass Enclosure (STI EF201610-O).....	442.68		17.61	
28 46 13 31-1972	EA	20" Height x 16" Width x 10" Depth, Opaque, Fiberglass Enclosure With Window (STI EF201610-W).....	659.57		17.61	
28 46 13 31-1973	EA	6" Height x 6" Width x 5" Depth, Opaque, Polycarbonate Enclosure (STI EP060605-O).....	116.27		17.61	
28 46 13 31-1974	EA	6" Height x 6" Width x 5" Depth, Tinted, Polycarbonate Enclosure (STI EP060605-T).....	127.22		17.61	
28 46 13 31-1975	EA	8" Height x 6" Width x 5" Depth, Opaque, Polycarbonate Enclosure (STI EP080605-O).....	121.20		17.61	
28 46 13 31-1976	EA	8" Height x 6" Width x 5" Depth, Tinted, Polycarbonate Enclosure (STI EP080605-T).....	130.51		17.61	
28 46 13 31-1977	EA	8" Height x 8" Width x 5" Depth, Opaque, Polycarbonate Enclosure (STI EP080805-O).....	125.58		17.61	
28 46 13 31-1978	EA	8" Height x 8" Width x 5" Depth, Tinted, Polycarbonate Enclosure (STI EP080805-T).....	136.53		17.61	
28 46 13 31-1979	EA	10" Height x 8" Width x 6" Depth, Opaque, Polycarbonate Enclosure (STI EP100806-O).....	127.22		17.61	
28 46 13 31-1980	EA	10" Height x 8" Width x 6" Depth, Tinted, Polycarbonate Enclosure (STI EP100806-T).....	149.68		17.61	
28 46 13 31-1981	EA	10" Height x 8" Width x 7" Depth, Opaque, Polycarbonate Enclosure (STI EP100807-O).....	133.79		17.61	
28 46 13 31-1982	EA	10" Height x 8" Width x 7" Depth, Tinted, Polycarbonate Enclosure (STI EP100807-T).....	154.06		17.61	
28 46 13 31-1983	EA	10" Height x 10" Width x 6" Depth, Opaque, Polycarbonate Enclosure (STI EP101006-O).....	139.82		17.61	
28 46 13 31-1984	EA	10" Height x 10" Width x 6" Depth, Tinted, Polycarbonate Enclosure (STI EP101006-T).....	156.79		17.61	
28 46 13 31-1985	EA	12" Height x 10" Width x 7" Depth, Opaque, Polycarbonate Enclosure (STI EP121007-O).....	141.46		17.61	
28 46 13 31-1986	EA	12" Height x 10" Width x 7" Depth, Tinted, Polycarbonate Enclosure (STI EP121007-T).....	162.27		17.61	
28 46 13 31-1987	EA	14" Height x 12" Width x 7" Depth, Opaque, Polycarbonate Enclosure (STI EP141207-O).....	166.65		17.61	
28 46 13 31-1988	EA	14" Height x 12" Width x 7" Depth, Tinted, Polycarbonate Enclosure (STI EP141207-T).....	208.28		17.61	
28 46 13 31-1989	EA	16" Height x 14" Width x 9" Depth, Opaque, Polycarbonate Enclosure (STI EP161409-O).....	184.18		17.61	
28 46 13 31-1990	EA	16" Height x 14" Width x 9" Depth, Tinted, Polycarbonate Enclosure (STI EP161409-T).....	249.90		17.61	
28 46 13 31-1991	EA	18" Height x 16" Width x 5" Depth, Opaque, Polycarbonate Enclosure (STI EP181604-O).....	204.99		17.61	
28 46 13 31-1992	EA	18" Height x 16" Width x 5" Depth, Tinted, Polycarbonate Enclosure (STI EP181604-T).....	268.52		17.61	
28 46 13 31-1993	EA	18" Height x 16" Width x 11" Depth, Opaque, Polycarbonate Enclosure (STI EP181611-O).....	233.47		17.61	
28 46 13 31-1994	EA	18" Height x 16" Width x 11" Depth, Tinted, Polycarbonate Enclosure (STI EP181611-T).....	315.62		17.61	

28 Electronic Safety and Security**28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

28 46 13 31-1995	EA	20" Height x 16" Width x 9" Depth, Opaque, Polycarbonate Enclosure (STI EP201608-O)	374.77	17.61
28 46 13 31-1996	EA	20" Height x 16" Width x 9" Depth, Tinted, Polycarbonate Enclosure (STI EP201608-T)	392.30	17.61
28 46 13 31-1997	EA	24" Height x 24" Width x 10" Depth, Opaque, Polycarbonate Enclosure (STI EP242410-O)	567.55	17.61
28 46 13 31-1998	EA	24" Height x 24" Width x 10" Depth, Tinted, Polycarbonate Enclosure (STI EP242410-T)	658.47	17.61

28 46 13 31-1999 STI® Fire Alarm Devices (28 46 13 31-1951)

28 46 13 31-2000	EA	Pull Station Polycarbonate Cover, Semi-Flush With Horn (STI-1100)	190.20	17.61
		Note: Includes 9 Volt DC self contained battery.		
28 46 13 31-2001	EA	Surface Mounted, Manual Pull Station Polycarbonate Cover With Horn (STI-1130)	208.28	17.61
28 46 13 31-2002	EA	Flush Mounted, Manual Pull Station Polycarbonate Cover (STI-1200)	119.83	17.61
28 46 13 31-2003	EA	Surface Mounted, Horn Strobe Polycarbonate Cover (STI-1210D)	120.92	17.61
		Note: For surface mounted horn strobes.		
28 46 13 31-2004	EA	Flush Mounted, Horn Strobe Polycarbonate Cover (STI-1210E)	106.68	17.61
28 46 13 31-2005	EA	Strobe Damage Stopper And Open Back Box With Conduit Knockout (STI-1221D)	120.92	17.61
		Note: For surface mounted strobe.		
28 46 13 31-2006	EA	Strobe Damage Stopper And Open Back Box, Semi-Flush (STI-1221E)	96.00	17.61
28 46 13 31-2007	EA	NEMA 4X Rated Polycarbonate Dome Cover (STI-1229)	235.66	17.61
28 46 13 31-2008	EA	Surface Mounted, Manual Pull Station Polycarbonate Cover (STI-1230)	154.60	17.61
		Note: For surface mounted pull stations.		
28 46 13 31-2009	EA	Backplate For Polycarbonate Cover (STI-1280)	69.82	17.61
28 46 13 31-2010	EA	Conduit Gasket For Polycarbonate Cover (STI-3003)	48.35	17.61
28 46 13 31-2011	EA	Conduit Spacer For Surface Mounted Polycarbonate Cover (STI-3100)	71.03	17.61
28 46 13 31-2012	EA	Weather Resistant, Surface Mounted, Manual Pull Station Polycarbonate Cover (STI-3150)	173.77	17.61
28 46 13 31-2013	EA	8.5" x 6.5" x 4.6", Thumb Lock, Lockable Enclosure (STI-7511A)	142.56	17.61
28 46 13 31-2014	EA	Flush Mounted, Smoke Detector Polycarbonate Cover (STI-8100)	103.12	17.61
28 46 13 31-2015	EA	Flush Mounted, Low Profile, Smoke Detector Steel Wire Cover (STI-9601)	97.10	17.61
28 46 13 31-2016	EA	Surface Mounted, Low Profile, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9602)	93.54	17.61
28 46 13 31-2017	EA	Flush Mounted, Mini Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9604)	97.10	17.61
28 46 13 31-2018	EA	Surface Mounted, Mini Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9605)	93.54	17.61
28 46 13 31-2019	EA	Flush Mounted, High Profile, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9609)	97.10	17.61
28 46 13 31-2020	EA	Surface Mounted, High Profile, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9610)	93.54	17.61
28 46 13 31-2021	EA	Beam Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9625)	191.30	17.61
28 46 13 31-2022	EA	White, Flush Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9705)	86.36	17.61
28 46 13 31-2023	EA	Red, Flush Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9705-R)	106.86	17.61
28 46 13 31-2024	EA	Flush Mounted, Beam Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9706)	135.44	17.61
28 46 13 31-2025	EA	Surface Mounted, Beam Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9707)	135.44	17.61
28 46 13 31-2026	EA	White, Surface Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9708)	96.00	17.61
28 46 13 31-2027	EA	Red, Surface Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9708-R)	96.00	17.61
28 46 13 31-2028	EA	White, Flush Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9711)	86.36	17.61
28 46 13 31-2029	EA	Flush Mounted, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9713)	96.00	17.61
28 46 13 31-2030	EA	White, Surface Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9714)	96.00	17.61
28 46 13 31-2031	EA	Yellow, High Threat, Push Button Station (STI SS-2201)	132.16	8.80
28 46 13 31-2032	EA	Gasket Kit For STI Covers (STI SUB-121)	53.88	
28 46 13 31-2033	EA	Universal Cover With Horn, Flush Mount, Momentary Button, Exit Label, Green Stopper Station (STI SS-2144XT)	249.90	17.61
28 46 13 31-2034	EA	No Cover, Push And Turn-To-Reset Button, Evacuation Label, Yellow Stopper Station (STI SS-2201EV)	133.24	17.61
28 46 13 31-2035	EA	No Cover, Push And Key-To-Reset Button, Emergency Label, Blue Stopper Station (STI SS-2400EM)	133.24	17.61
28 46 13 31-2036	EA	Universal Cover With Horn, Flush Mount, Push And Key-To-Reset Button, Emergency Label, Blue Stopper Station (STI SS-2440EM)	249.90	17.61
28 46 13 31-2037	EA	Flush Mounted, Weather Stopper II (STI-1250)	143.92	17.61
28 46 13 31-2038	EA	Flush Mounted, Clear, Universal Stopper (STI-13000NC)	93.54	17.61
28 46 13 31-2039	EA	Flush Mounted, Universal, Fire Label, Red, Stopper With Horn (STI-13020FR)	165.01	17.61
28 46 13 31-2040	EA	Surface Mounted, Clear, Universal Stopper (STI-13200NC)	114.08	17.61
28 46 13 31-2041	EA	Surface Mounted, Fire Label, Red, Universal Stopper (STI-13210FR)	125.03	17.61
28 46 13 31-2042	EA	Surface Mounted, No Label, White, Universal Stopper (STI-13210NW)	136.53	17.61
28 46 13 31-2043	EA	Surface Mounted, No Label, Yellow, Universal Stopper (STI-13210NY)	136.53	17.61
28 46 13 31-2044	EA	Surface Mounted, Fire Label, Red, Universal Stopper With Horn (STI-13220FR)	185.27	17.61
28 46 13 31-2045	EA	Surface Mounted, No Label, Yellow, Universal Stopper With Horn (STI-13220NY)	196.23	17.61
28 46 13 31-2046	EA	Surface Mounted, Fire Label, Red, Universal Stopper With Horn And Relay (STI-13230FR)	234.57	17.61
28 46 13 31-2047	EA	Stopper II, Weather Gasket (STI-3002)	47.20	17.61
28 46 13 31-2048	EA	Large, Break Glass Stopper (STI-4100)	135.44	17.61
28 46 13 31-2049	EA	Stopper "G" Standard Break Glass Cover (STI-6100)	130.51	17.61
28 46 13 31-2050	EA	Clear, Polycarbonate Enclosure With Deep Back Box And Exterior Key Lock (STI-7510A)	125.85	17.61
28 46 13 31-2051	EA	Polycarbonate Multi-Purpose Enclosure With Backplate And Key Lock (STI-7530)	346.29	17.61
28 46 13 31-2052	EA	Heated, Metal, Protective Cabinet (STI-7560AH)	4,920.52	17.61
28 46 13 31-2053	EA	Stainless Steel Guard (STI-9604SS)	88.88	17.61
28 46 13 31-2054	EA	5-3/4" Width x 4-1/2" Depth, Motion Detector Guard (STI-9621)	79.30	17.61

28 46 13 31-2055 System Sensor Fire Alarm (28 46 13 31)**28 46 13 31-2056 Smoke Detectors** (28 46 13 31-2055)

28 46 13 31-2057	EA	Beam Detector Heater Kit (System Sensor BEAMHK)	64.73	5.87
28 46 13 31-2058	EA	Reflectors, Beam Detector Heater Kit (System Sensor BEAMHKR)	277.27	5.87
		Note: Four used with long range kit.		
28 46 13 31-2059	EA	Projected Beam Smoke Detector Long Range Kit (System Sensor BEAMLRK)	324.55	58.68
28 46 13 31-2060	EA	Wall Or Ceiling Mounted, Projected Beam Smoke Detector Multi-Mount Kit (System Sensor BEAMMMK)	233.46	58.68
28 46 13 31-2061	EA	Projected Beam Smoke Detector Surface Mounted Kit (System Sensor BEAMSMK)	187.03	58.68
28 46 13 31-2062	EA	Two Wire, Photoelectric Smoke Detector (System Sensor 2W-B)	169.79	44.01
28 46 13 31-2063	EA	Two Wire, Photoelectric Smoke Detector With Thermal Sensor (System Sensor 2WT-B)	174.65	44.01
28 46 13 31-2064	EA	Two Wire, Photoelectric Smoke Detector With Thermal Sensor And Built In Sounder (System Sensor 2WTA-B)	178.59	44.01
28 46 13 31-2065	EA	Four Wire, Photoelectric Smoke Detector (System Sensor 4W-B)	172.62	44.01
28 46 13 31-2066	EA	Four Wire, Photoelectric Smoke Detector With Thermal Sensor, 12/24 Volt DC (System Sensor 4WT-B)	186.56	44.01
28 46 13 31-2067	EA	Four Wire, Photoelectric Smoke Detector With Thermal Sensor And Built In Sounder (System Sensor 4WTA-B)	183.00	44.01
28 46 13 31-2068	EA	Four Wire, Photoelectric Smoke Detector With Isolated Thermal Sensor, Built In Sounder, Form C Relay (System Sensor 4WITAR-B)	267.98	44.01

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2069	EA	Photoelectric, Low-Profile, Smoke Detector Head (System Sensor 2151)	155.32	29.35
28 46 13 31-2070	EA	Photoelectric With Thermal Sensor, Low-Profile, Smoke Detector Head (System Sensor 2151T)..... Note: Requires B100 series base.	178.65	29.35
28 46 13 31-2071	EA	Heavy-Duty Multi-Mount Kit (System Sensor 6500-MMK)	317.50	14.67
28 46 13 31-2072	EA	Surface-Mount Kit For Use With Beam1224 And FSB-200 When Using 6500-MMK Heavy-Duty Multi-Mount Kit (System Sensor 6500-SMK).....	105.85	14.67
28 46 13 31-2073	EA	Four Wire, Low Profile, Plug In Detector (System Sensor 2D51).....	200.24	44.01
28 46 13 31-2074 Duct Smoke Detectors (28 46 13 31-2055)				
28 46 13 31-2075	EA	Two Wire Conventional Photoelectric Duct Detector (Includes 2151 Detector) (System Sensor D2)	399.99	44.01
28 46 13 31-2076	EA	Four Wire Conventional Photoelectric Duct Detector (Includes 2D51 Detector) (System Sensor D4120).....	396.42	44.01
28 46 13 31-2077	EA	Watertight, Four Wire Conventional Photoelectric Duct Detector (Includes 2D51 Detector) (System Sensor D4120W)	522.47	49.88
28 46 13 31-2078	EA	Sensor Only, Four Wire Conventional Photoelectric Duct Detector (System Sensor D4S)	261.10	29.35
28 46 13 31-2079	EA	Duct Accessory Coil (Required On DNR If A Remote Test Station Is Used) (System Sensor DCOIL).....	70.60	8.80
28 46 13 31-2080	EA	Intelligent, Non-Relay, Duct Smoke Detector Housing (System Sensor DNR)	224.36	23.47
28 46 13 31-2081	EA	Watertight, Intelligent, Non-Relay, Duct Smoke Detector Housing (System Sensor DNRW)	367.07	29.35
28 46 13 31-2082	EA	1' Steel Sampling Tube (System Sensor DST1)	38.83	11.74
28 46 13 31-2083	EA	1.5' Steel Sampling Tube (System Sensor DST1.5)	42.88	11.74
28 46 13 31-2084	EA	3' Steel Sampling Tube (System Sensor DST3)	49.01	11.74
28 46 13 31-2085	EA	5' Steel Sampling Tube (System Sensor DST5)	55.14	14.67
28 46 13 31-2086	EA	10' Steel Sampling Tube (System Sensor DST10)	94.63	17.61
28 46 13 31-2087	EA	1' Steel, Exhaust Tube Duct (System Sensor ETX)	44.55	11.74
28 46 13 31-2088	EA	Remote Test Station For Duct Smoke Detector (System Sensor RTS151)	105.55	14.67
28 46 13 31-2089	EA	Detector Installation/Removal Tool Kit For 700 Series Detectors (System Sensor XR2).....	238.74	
28 46 13 31-2090	EA	Detector Installation/Removal Tool Kit For 800 And 355 Series Detectors (System Sensor XR2B).....	256.60	
28 46 13 31-2091 Heat Detectors (28 46 13 31-2055)				
28 46 13 31-2092	EA	Single Circuit, 135 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5601P)	114.44	44.01
28 46 13 31-2093	EA	Single Circuit, 194 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5602)	116.25	44.01
28 46 13 31-2094	EA	Dual Circuit, 135 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5621)	137.44	44.01
28 46 13 31-2095	EA	Dual Circuit, 194 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5622)	137.44	44.01
28 46 13 31-2096	EA	Dual Circuit, 135 Degree F, Fixed Temperature Heat Detector (System Sensor 5623).....	147.80	44.01
28 46 13 31-2097	EA	Dual Circuit, 194 Degree F, Fixed Temperature Heat Detector (System Sensor 5624).....	147.80	44.01
28 46 13 31-2098 Horns (28 46 13 31-2055)				
28 46 13 31-2099	EA	Red, Mini Horn (System Sensor MHR)	125.83	44.01
28 46 13 31-2100	EA	White, Mini Horn (System Sensor MHW)	125.83	44.01
28 46 13 31-2101	EA	White, 12/24 Volt DC, Wall Mounted Horn Only (System Sensor HWL)	127.68	44.01
28 46 13 31-2102	EA	Red, Outdoor, Wall Mounted Replacement Horn (System Sensor HRK-R).....	162.04	49.88
28 46 13 31-2103	EA	Red, Indoor, Wall Mounted, Horn (System Sensor HRL).....	127.68	44.01
28 46 13 31-2104	EA	Red, Outdoor, Wall Mounted, Horn (System Sensor HRK)	169.79	44.01
28 46 13 31-2105	EA	White, Indoor, Wall Mounted, Compact Horn (System Sensor HGRL)	128.28	44.01
28 46 13 31-2106	EA	Red, Indoor, Wall Mounted, Compact Horn (System Sensor HGWL).....	128.28	44.01
28 46 13 31-2107 Wall Mounted Horns/Strobes (28 46 13 31-2055)				
28 46 13 31-2108	EA	Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RL)	177.33	44.01
28 46 13 31-2109	EA	Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RH)	224.66	44.01
28 46 13 31-2110	EA	Outdoor Back Box, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High- Candela, Wall Mounted Horn/Strobe (System Sensor P2RHK).....	266.47	49.88
28 46 13 31-2111	EA	Plain, Outdoor Back Box, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High- Candela, Wall Mounted Horn/Strobe (System Sensor P2RHK-P).....	259.92	49.88
28 46 13 31-2112	EA	Outdoor Back Box, Red, 120 Volt AC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RHK-120).....	272.72	49.88
28 46 13 31-2113	EA	Outdoor Back Box, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RK)	265.57	49.88
28 46 13 31-2114	EA	Plain, Outdoor Back Box, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RK-P)	251.58	49.88
28 46 13 31-2115	EA	Outdoor, Red, , Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi- Candela, Wall Mounted Horn/Strobe (System Sensor P2RK-R).....	218.71	44.01
28 46 13 31-2116	EA	Plain, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RL-P)	173.17	44.01
28 46 13 31-2117	EA	White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2WL)	177.33	44.01
28 46 13 31-2118	EA	White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WH)	226.33	44.01
28 46 13 31-2119	EA	Outdoor Back Box, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High- Candela, Wall Mounted Horn/Strobe (System Sensor P2WHK).....	257.54	49.88
28 46 13 31-2120	EA	Plain, Outdoor Back Box, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WHK-P).....	259.92	49.88
28 46 13 31-2121	EA	Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WH-P).....	224.66	44.01
28 46 13 31-2122	EA	Outdoor Back Box, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2WK).....	274.51	49.88
28 46 13 31-2123	EA	Plain, Outdoor Back Box, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2WK-P).....	251.58	49.88
28 46 13 31-2124	EA	Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2WL-P)	172.27	44.01
28 46 13 31-2125	EA	Red, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4RL).....	214.84	44.01

28 Electronic Safety and Security**28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

28 46 13 31-2126	EA	Red, Four Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P4RH).....	215.07	44.01
28 46 13 31-2127	EA	Outdoor Back Box, Red, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4RK).....	248.20	49.88
28 46 13 31-2128	EA	Outdoor, Red, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4RK-R).....	245.63	49.88
28 46 13 31-2129	EA	White, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4WL).....	214.84	44.01
28 46 13 31-2130	EA	Outdoor Back Box, White, Four Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor PC4WHK).....	286.39	49.88
28 46 13 31-2131	EA	Outdoor Back Box, White, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4WK).....	260.51	49.88
28 46 13 31-2132	EA	Red, 24 Volt DC, Low-frequency, Selectable Intensity (15, 30, 75, 95, 110, 135 And 185 Candela) Multi-Candela, Wall Mounted, Horn/Strobe (System Sensor P2RL-LF).....	266.63	44.01
28 46 13 31-2133	EA	White, 24 Volt DC, Low-frequency, Selectable Intensity (15, 30, 75, 95, 110, 135 And 185 Candela) Multi-Candela, Wall Mounted, Horn/Strobe (System Sensor P2WL-LF).....	266.63	44.01
28 46 13 31-2134	EA	Red, 12/24 Volt DC, Two Wire, Selectable Intensity (15, 30, 75, 95, 110, 135 And 185 Candela) Multi-Candela, Wall Mounted, Compact Horn Strobe (System Sensor P2GRL).....	176.74	44.01
28 46 13 31-2135	EA	White, 12/24 Volt DC, Two Wire, Selectable Intensity (15, 30, 75, 95, 110, 135 And 185 Candela) Multi-Candela, Wall Mounted, Compact Horn Strobe (System Sensor P2GWL).....	176.74	44.01

28 46 13 31-2136 Ceiling Mounted Horns/Strobes (28 46 13 31-2055)

28 46 13 31-2137	EA	Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RL).....	180.31	44.01
28 46 13 31-2138	EA	Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RH).....	227.99	44.01
28 46 13 31-2139	EA	Outdoor Back Box, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RHK).....	257.54	49.88
28 46 13 31-2140	EA	Outdoor Back Box, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RK).....	249.80	49.88
28 46 13 31-2141	EA	Plain, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2R-P).....	216.33	44.01
28 46 13 31-2142	EA	White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WL).....	180.31	44.01
28 46 13 31-2143	EA	White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WH).....	227.99	44.01
28 46 13 31-2144	EA	Outdoor Back Box, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WHK).....	257.54	49.88
28 46 13 31-2145	EA	Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WH-P).....	227.99	44.01
28 46 13 31-2146	EA	Outdoor Back Box, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WK).....	249.80	49.88
28 46 13 31-2147	EA	Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2W-P).....	214.66	44.01
28 46 13 31-2148	EA	Red, Ceiling Mounted, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Horn/Strobe (System Sensor PC4RL).....	216.33	44.01
28 46 13 31-2149	EA	Red, Ceiling Mounted, Four Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Horn/Strobe (System Sensor PC4RH).....	215.07	44.01
28 46 13 31-2150	EA	White, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC4WL).....	216.33	44.01

28 46 13 31-2151 Wall Mounted Strobes (28 46 13 31-2055)

28 46 13 31-2152	EA	White Strobe Expander Plate Back Box Skirt (System Sensor SEP-BBSW).....	82.81	14.67
28 46 13 31-2153	EA	White Strobe Expander Plate With Standard Candela (System Sensor SEP-SW).....	163.01	14.67
28 46 13 31-2154	EA	Red, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRL).....	159.17	44.01
28 46 13 31-2155	EA	Red, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRH).....	182.37	44.01
28 46 13 31-2156	EA	Red, Outdoor, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRHK).....	221.78	49.88
28 46 13 31-2157	EA	Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRK).....	219.26	49.88
28 46 13 31-2158	EA	Red, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRK-P).....	230.15	49.88
28 46 13 31-2159	EA	Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRK-R).....	200.98	49.88
28 46 13 31-2160	EA	Red, Plain, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRL-P).....	157.69	44.01
28 46 13 31-2161	EA	White, 12/24 Volt DC, Selectable (15, 15 /75, 30, 75 , 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SWL).....	158.58	44.01
28 46 13 31-2162	EA	White, Amber Lens, 12/24 Volt DC, Selectable (15, 15 /75, 30, 75 , 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SWL-ALERT).....	172.57	44.01
28 46 13 31-2163	EA	White, Clear Lens, 12/24 Volt DC, Selectable (15, 15 /75, 30, 75 , 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SWL-CLR-ALERT).....	203.00	44.01
28 46 13 31-2164	EA	White, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWH).....	213.00	44.01
28 46 13 31-2165	EA	White, Amber Lens, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWH-ALERT).....	211.33	44.01
28 46 13 31-2166	EA	White, Plain, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWH-P).....	211.33	44.01
28 46 13 31-2167	EA	Red, Plain, Outdoor, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRHK-P).....	233.72	49.88
28 46 13 31-2168	EA	White, Outdoor, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWHK).....	231.04	49.88
28 46 13 31-2169	EA	White, Plain, Outdoor, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWHK-P).....	233.13	49.88

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2170	EA	Red, Outdoor, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRHK-R).....	228.07	49.88
28 46 13 31-2171	EA	White, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Strobe (System Sensor SWK).....	228.66	49.88
28 46 13 31-2172	EA	White, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Strobe (System Sensor SWK-P).....	229.85	49.88
28 46 13 31-2173	EA	White, Plain, 12/24 Volt DC, Selectable (15, 15 /75, 30, 75 , 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SWL-P).....	157.39	44.01
28 46 13 31-2174	EA	Amber, Wall Strobe Lens Attachment (System Sensor LENS-A).....	28.11	5.87
28 46 13 31-2175	EA	Blue, Wall Strobe Lens Attachment (System Sensor LENS-B).....	28.11	5.87
28 46 13 31-2176	EA	Green, Wall Strobe Lens Attachment (System Sensor LENS-G).....	28.11	5.87
28 46 13 31-2177	EA	Red, Wall Strobe Lens Attachment (System Sensor LENS-R).....	28.11	5.87
28 46 13 31-2178	EA	Red, 12/24 Volt DC, Wall Mounted, L-Series Compact Strobe (System Sensor SGRL).....	161.56	44.01
28 46 13 31-2179	EA	White, 12/24 Volt DC, Wall Mounted, L-Series Compact Strobe (System Sensor SGWL).....	158.28	44.01
28 46 13 31-2180	EA	L-Series, Amber, Wall Strobe Lens Attachment (System Sensor LENS-A2, AC2).....	28.11	5.87
28 46 13 31-2181	EA	L-Series, Blue, Wall Strobe Lens Attachment (System Sensor LENS-B2, BC2).....	28.11	5.87
28 46 13 31-2182	EA	L-Series, Green, Wall Strobe Lens Attachment (System Sensor LENS-G2, GC2).....	28.11	5.87
28 46 13 31-2183	EA	L-Series, Red, Wall Strobe Lens Attachment (System Sensor LENS-R2, RC2).....	28.11	5.87
28 46 13 31-2184	EA	Red, 8 Multi-tone, 12 VDC, 1575CD, Wall Mounted Strobe (Wheelock MT-121575W-FR).....	225.70	44.01
28 46 13 31-2185	EA	White, 8 Multi-tone, 12 VDC, 1575CD, No Lettering, Wall Mounted Strobe (Wheelock MT-121575W-NW).....	225.70	44.01
28 46 13 31-2186	EA	L-Series, White, Clear Lens, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWL-CLR-ALERT).....	234.91	49.88
28 46 13 31-2187 Ceiling Mounted Strobes (28 46 13 31-2055)				
28 46 13 31-2188	EA	Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCRL).....	162.45	44.01
28 46 13 31-2189	EA	Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCRH).....	184.88	44.01
28 46 13 31-2190	EA	Outdoor Back Box, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCRHK).....	221.78	49.88
28 46 13 31-2191	EA	Outdoor Back Box, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCRK).....	221.78	49.88
28 46 13 31-2192	EA	White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCWL).....	162.45	44.01
28 46 13 31-2193	EA	Clear Lens, White, Two Wire, 12/24 Volt DC, Standard Candela, Ceiling Mounted Strobe (System Sensor SCWL-CLR-ALERT).....	174.36	44.01
28 46 13 31-2194	EA	White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCWH).....	216.33	44.01
28 46 13 31-2195	EA	Outdoor Back Box, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCWHK).....	231.04	49.88
28 46 13 31-2196	EA	Outdoor Back Box, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCWK).....	228.66	49.88
28 46 13 31-2197	EA	Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCW-P).....	191.34	44.01
28 46 13 31-2198	EA	Blue, Ceiling Strobe Lens Attachment (System Sensor LENS-BC).....	28.11	5.87
28 46 13 31-2199	EA	Red, Ceiling Strobe Lens Attachment (System Sensor LENS-RC).....	28.11	5.87
28 46 13 31-2200	EA	Green, Ceiling Strobe Lens Attachment (System Sensor LENS-GC).....	28.11	5.87
28 46 13 31-2201	EA	Amber, Ceiling Strobe Lens Attachment (System Sensor LENS-AC).....	28.11	5.87
28 46 13 31-2202 Wall Mounted Speakers (28 46 13 31-2055)				
28 46 13 31-2203	EA	24 Volt DC, 4 Field Selectable Sound Pulse Patterns, Directional Sound Speaker With Voice And Integral Audio Amplifier (System Sensor PF24V).....	434.52	44.01
28 46 13 31-2204	EA	Red, Wall Mounted Speaker (System Sensor SPRL).....	135.06	44.01
28 46 13 31-2205	EA	Red, Outdoor, Wall Mounted Speaker (System Sensor SPRK).....	221.98	44.01
28 46 13 31-2206	EA	Red, Outdoor, Wall Mounted Speaker (System Sensor SPRK-R).....	181.93	49.88
28 46 13 31-2207	EA	Red, High dB, Wall Mounted Speaker (System Sensor SPRV).....	150.92	44.01
28 46 13 31-2208	EA	White, Wall Mounted Speaker (System Sensor SPWL).....	135.06	44.01
28 46 13 31-2209	EA	White, Outdoor, Wall Mounted Speaker (System Sensor SPWK).....	232.53	49.88
28 46 13 31-2210	EA	White, High dB, Wall Mounted Speaker (System Sensor SPWV).....	153.40	44.01
28 46 13 31-2211 Ceiling Mounted Speakers (28 46 13 31-2055)				
28 46 13 31-2212	EA	Red, Ceiling Mounted Speaker (System Sensor SPCRL).....	131.79	44.01
28 46 13 31-2213	EA	Outdoor, Ceiling Mounted Speaker (System Sensor SPCRK).....	201.86	44.01
28 46 13 31-2214	EA	Red, High dB, Ceiling Mounted Speaker (System Sensor SPCRV).....	150.92	44.01
28 46 13 31-2215	EA	White, Ceiling Mounted Speaker (System Sensor SPCWL).....	134.47	44.01
28 46 13 31-2216	EA	White, High dB, Ceiling Mounted Speaker (System Sensor SPCWV).....	171.34	44.01
28 46 13 31-2217	EA	White, Outdoor, Ceiling Mounted Speaker (System Sensor SPCWK).....	233.72	49.88
28 46 13 31-2218 Wall Mounted Speakers/Strobes (28 46 13 31-2055)				
28 46 13 31-2219	EA	White Speaker Strobe Expander Plate With Standard Candela (System Sensor SEP-SPSWL).....	160.92	14.67
28 46 13 31-2220	EA	White Speaker Strobe Expander Plate Back Box Skirt (System Sensor SPSEP-BBSWL).....	79.24	14.67
28 46 13 31-2221	EA	Red, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRL).....	224.96	44.01
28 46 13 31-2222	EA	Red, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRH).....	230.17	44.01
28 46 13 31-2223	EA	Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRK).....	306.06	49.88
28 46 13 31-2224	EA	Red, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRK-P).....	325.41	49.88
28 46 13 31-2225	EA	Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRK-R).....	275.99	49.88

28 Electronic Safety and Security**28 40 Life Safety****28 46 Fire Detection and Alarm**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

28 46 13 31-2226	EA	Red, Plain, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRL-P).....	222.28	44.01
28 46 13 31-2227	EA	Red, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRV).....	222.62	44.01
28 46 13 31-2228	EA	White, Amber Lens, Wall Mounted, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWL-ALERT).....	226.15	44.01
28 46 13 31-2229	EA	White, Clear Lens, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWK-CLR-ALERT).....	329.58	49.88
28 46 13 31-2230	EA	White, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWL).....	224.96	44.01
28 46 13 31-2231	EA	White, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWH).....	276.32	44.01
28 46 13 31-2232	EA	White, Plain, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWH-P).....	276.32	44.01
28 46 13 31-2233	EA	White, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWK).....	341.48	49.88
28 46 13 31-2234	EA	White, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWK-P).....	324.22	49.88
28 46 13 31-2235	EA	White, Plain, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWL-P).....	221.09	44.01
28 46 13 31-2236	EA	White, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWV).....	266.32	44.01
28 46 13 31-2237	EA	White, Plain, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWV-P).....	266.32	44.01

28 46 13 31-2238 Ceiling Mounted Speakers/Strobes (28 46 13 31-2055)

28 46 13 31-2239	EA	Red, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCRL).....	208.89	44.01
28 46 13 31-2240	EA	Red, Selectable Candela (135, 150, 177, 185) Candela, High-Candela, Ceiling Mounted Speaker/Strobe (System Sensor SPSCRH).....	232.68	44.01
28 46 13 31-2241	EA	Red, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115), Ceiling Mounted Speaker/Strobe (System Sensor SPSCRV).....	222.62	44.01
28 46 13 31-2242	EA	White, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWL).....	208.89	44.01
28 46 13 31-2243	EA	White, Clear Lens, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWL-CLR-ALERT).....	223.77	44.01
28 46 13 31-2244	EA	White, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWH).....	276.32	44.01
28 46 13 31-2245	EA	White, Outdoor, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWHK).....	343.27	49.88
28 46 13 31-2246	EA	White, Plain, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWH-P).....	276.32	44.01
28 46 13 31-2247	EA	White, Outdoor, Clear Lens, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWK-CLR-ALERT).....	330.17	49.88
28 46 13 31-2248	EA	White, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWK).....	341.48	49.88
28 46 13 31-2249	EA	White, Plain, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWL-P).....	208.89	44.01
28 46 13 31-2250	EA	White, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWV).....	266.32	44.01
28 46 13 31-2251	EA	White, High-Candela/High dB, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWVH).....	276.32	44.01
28 46 13 31-2252	EA	White, Plain, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWV-P).....	266.32	44.01
28 46 13 31-2253	EA	High-Candela/High dB, Ceiling Mounted Speaker/Strobe (System Sensor SPSCRVH).....	276.08	44.01

28 46 13 31-2254 Electric Alarm Bells (28 46 13 31-2055)

28 46 13 31-2255	EA	6" Diameter, 24 Volt DC Alarm Bell (System Sensor SSM24-6).....	169.89	44.01
28 46 13 31-2256	EA	8" Diameter, 24 Volt DC Alarm Bell (System Sensor SSM24-8).....	184.48	44.01
28 46 13 31-2257	EA	10" Diameter, 24 Volt DC Alarm Bell (System Sensor SSM24-10).....	200.55	44.01
28 46 13 31-2258	EA	6" 120 Volt AC Alarm Bell (System Sensor SSV120-6).....	183.01	44.60
28 46 13 31-2259	EA	8" 120 Volt AC Alarm Bell (System Sensor SSV120-8).....	185.21	44.60
28 46 13 31-2260	EA	10" 120 Volt AC Alarm Bell (System Sensor SSV120-10).....	199.09	44.60

28 46 13 31-2261 Device Bases (28 46 13 31-2055)

28 46 13 31-2262	EA	High Or Low Volume Output, Code 3 Or 4, Continuous, March Or Custom Tone, Intelligent, Addressable, Programmable Plug-In Sounder Base (System Sensor B200S).....	136.81	14.67
28 46 13 31-2263	EA	Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base (System Sensor B200SR).....	132.35	14.67
28 46 13 31-2264	EA	Intelligent Isolator Base (System Sensor B224BI).....	108.23	14.67
28 46 13 31-2265	EA	Intelligent Relay Base (System Sensor B224RB).....	109.42	14.67
28 46 13 31-2266	EA	Flangeless, Intelligent Detector Base (System Sensor B501).....	66.50	14.67
28 46 13 31-2267	EA	High Or Low Volume Output, Code 3 Or 4, Continuous, March Or Custom Tone, Intelligent, Addressable, Programmable Plug-In Sounder Base, Ivory (System Sensor B200S-IV).....	136.81	14.67
28 46 13 31-2268	EA	Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base, Ivory (System Sensor B200SR-IV).....	132.35	14.67
28 46 13 31-2269	EA	Low-Frequency, Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base (System Sensor B200SR-LF).....	199.62	14.67
28 46 13 31-2270	EA	Low-Frequency, Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base, Ivory (System Sensor B200SR-LF-IV).....	199.62	14.67
28 46 13 31-2271	EA	Low-Frequency, Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base, White (System Sensor B200SR-LF-WH).....	193.07	14.67
28 46 13 31-2272	EA	Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base, White (System Sensor B200SR-WH).....	145.65	14.67
28 46 13 31-2273	EA	High Or Low Volume Output, Code 3 Or 4, Continuous, March Or Custom Tone, Intelligent, Addressable, Programmable Plug-In Sounder Base, White (System Sensor B200S-WH).....	129.67	14.67
28 46 13 31-2274	EA	Intelligent Isolator Base, Ivory (System Sensor B224BI-IV).....	108.23	14.67
28 46 13 31-2275	EA	Intelligent Isolator Base, White (System Sensor B224BI-WH).....	101.09	14.67

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2276	EA	Intelligent Relay Base, Ivory (System Sensor B224RB-IV).....	109.42	14.67
28 46 13 31-2277	EA	Intelligent Relay Base, White (System Sensor B224RB-WH).....	102.58	14.67
28 46 13 31-2278	EA	Flangeless, Intelligent Detector Base, Black (System Sensor B501-BL).....	66.50	14.67
28 46 13 31-2279	EA	Flangeless, Intelligent Detector Base, Ivory (System Sensor B501-IV).....	66.50	14.67
28 46 13 31-2280	EA	Flangeless, Intelligent Detector Base, White (System Sensor B501-WHITE).....	58.76	14.67
28 46 13 31-2281	EA	Intelligent, Addressable, Programmable Low Frequency Plug-In Sounder Base (System Sensor B200S-LF).....	203.19	14.67
28 46 13 31-2282	EA	Intelligent, Addressable, Programmable Low Frequency Plug-In Sounder Base, Ivory (System Sensor B200S-LF-IV).....	203.19	14.67
28 46 13 31-2283	EA	Intelligent, Addressable, Programmable Low Frequency Plug-In Sounder Base, White (System Sensor B200S-LF-WH).....	195.45	14.67
28 46 13 31-2284	EA	6" Intelligent Flanged Mounting Base (System Sensor B300-6).....	51.68	14.67
28 46 13 31-2285	EA	6" Intelligent Flanged Mounting Base, Ivory (System Sensor B300-6-IV).....	59.12	14.67
28 46 13 31-2286	EA	Two Wire, Flanged, 12/24 Volt DC, Low-Profile, Adapter Base (System Sensor B110LP).....	56.84	14.67
28 46 13 31-2287	EA	Four Wire, Form A And C, 24 Volt DC Low-Profile, Adapter Base (System Sensor B112LP).....	116.02	17.61
28 46 13 31-2288 Boxes, Plates And Decals (28 46 13 31-2055)				
28 46 13 31-2289	EA	120 Volt AC, Mounting Plate, For Spectralert Advance Devices (System Sensor MP120K).....	59.36	14.67
28 46 13 31-2290	EA	Red, Wall Mounted, Metal, Weatherproof Back Box (System Sensor MWBB).....	91.62	14.67
28 46 13 31-2291	EA	White, Ceiling Mounted, Metal, Weatherproof Back Box (System Sensor MWBBCW).....	100.20	14.67
28 46 13 31-2292	EA	White, Wall Mounted, Metal, Weatherproof Back Box (System Sensor MWBBW).....	91.62	14.67
28 46 13 31-2293	EA	Red Retrofit Plate (System Sensor RFP).....	41.66	8.80
28 46 13 31-2294	EA	White Retrofit Plate (System Sensor RFPW).....	41.30	8.80
28 46 13 31-2295	EA	Red, Wall Mounted, Weatherproof Back Box (System Sensor SA-WBB).....	76.74	14.67
28 46 13 31-2296	EA	Red, Ceiling Mounted, Weatherproof Back Box (System Sensor SA-WBBC).....	86.98	14.67
28 46 13 31-2297	EA	Red, Ceiling Mounted, Surface Mounted, Back Box (System Sensor SBBCL).....	60.07	14.67
28 46 13 31-2298	EA	White, Ceiling Mounted, Surface Mounted, Back Box (System Sensor SBBCLW).....	60.07	14.67
28 46 13 31-2299	EA	Red, Wall Mounted, Surface Mounted, Back Box (System Sensor SBBRL).....	51.38	14.67
28 46 13 31-2300	EA	Red, Wall Mounted, Surface Mounted, Back Box For Speaker (System Sensor SBBSPRL).....	57.93	14.67
28 46 13 31-2301	EA	White, Wall Mounted, Surface Mounted, Back Box For Speaker (System Sensor SBBSPWL).....	57.93	14.67
28 46 13 31-2302	EA	White, Wall Mounted, Surface Mounted, Back Box (System Sensor SBBWL).....	51.38	14.67
28 46 13 31-2303	EA	Surface Mounted Box For Intelligent Control Or Monitor Modules (System Sensor SMB500).....	56.01	14.67
28 46 13 31-2304	EA	Surface Mounted Box For 400 And 500 Series Detectors And Sounder Bases (System Sensor SMB600).....	51.68	14.67
28 46 13 31-2305	EA	Red, Wall Mounted Horn/Strobe Trim Ring (System Sensor TR-HS).....	18.55	5.87
28 46 13 31-2306	EA	Red Decals, Two Pack, Spectralert Advance Wall Products (System Sensor DECAL-R).....	28.35	
28 46 13 31-2307	EA	Red Decals, Three Pack, Spectralert Advance Ceiling Products (System Sensor DECAL-RC).....	39.67	
28 46 13 31-2308	EA	White Decals, Two Pack, Spectralert Advance Wall Products (System Sensor DECAL-W).....	28.35	
28 46 13 31-2309	EA	White Decals, Three Pack, Spectralert Advance Wall Products (System Sensor DECAL-WC).....	39.67	
28 46 13 31-2310	EA	Red, Wall Mounted, L-Series Trim Ring, Pack Of 5 (System Sensor TR-2).....	20.72	5.87
28 46 13 31-2311	EA	White, Wall Mounted, L-Series Trim Ring, Pack Of 5 (System Sensor TR-2W).....	20.72	5.87
28 46 13 31-2312	EA	Red, Ceiling Mounted, L-Series Trim Ring, Pack Of 5 (System Sensor TRC-2).....	20.72	5.87
28 46 13 31-2313	EA	White, Ceiling Mounted, L-Series Trim Ring, Pack Of 5 (System Sensor TRC-2W).....	20.72	5.87
28 46 13 31-2314	EA	Red, Wall/Surface Mounted, L-Series Compact Back Box (System Sensor SBBGRL).....	51.38	14.67
28 46 13 31-2315	EA	White, Wall/Surface Mounted, L-Series Compact Back Box (System Sensor SBBGWL).....	51.38	14.67
28 46 13 31-2316	EA	Red, AGENT Lettering, Compact, L-Series Wall Mounted Bezel (System Sensor BZGR-AG).....	25.43	5.87
28 46 13 31-2317	EA	Red, ALERT Lettering, Compact, L-Series Wall Mounted Bezel (System Sensor BZGR-AL).....	25.43	5.87
28 46 13 31-2318	EA	Red, EVAC Lettering, Compact, L-Series Wall Mounted Bezel (System Sensor BZGR-EV).....	25.43	5.87
28 46 13 31-2319	EA	Red, FIRE Lettering, Compact, L-Series Wall Mounted Bezel (System Sensor BZGR-F).....	25.43	5.87
28 46 13 31-2320	EA	White, AGENT Lettering, L-Series Wall Mounted Bezel (System Sensor BZGW-AG).....	25.43	5.87
28 46 13 31-2321	EA	White, ALERT Lettering, L-Series Wall Mounted Bezel (System Sensor BZGW-AL).....	25.43	5.87
28 46 13 31-2322	EA	White, EVAC Marking, L-Series Wall Mounted Bezel (System Sensor BZGW-EV).....	25.43	5.87
28 46 13 31-2323	EA	White, FIRE Marking, L-Series Wall Mounted Bezel (System Sensor BZGW-F).....	25.43	5.87
28 46 13 31-2324	EA	Red, Plain, L-Series Wall Mounted Bezel (System Sensor BZGR-P).....	25.43	5.87
28 46 13 31-2325	EA	White, Plain, L-Series Wall Mounted Bezel (System Sensor BZGW-P).....	25.43	5.87
28 46 13 31-2326	EA	Red, AGENT Marking, L-Series Wall Mounted Bezel (System Sensor BZR-AG).....	25.43	5.87
28 46 13 31-2327	EA	Red, ALERT Marking, L-Series Wall Mounted Bezel (System Sensor BZR-AL).....	25.43	5.87
28 46 13 31-2328	EA	Red, AGENT Marking, L-Series Ceiling Mounted Bezel (System Sensor BZRC-AG).....	27.93	5.87
28 46 13 31-2329	EA	Red, ALERT Marking, L-Series Ceiling Mounted Bezel (System Sensor BZRC-AL).....	27.93	5.87
28 46 13 31-2330	EA	Red, EVAC Marking, L-Series Ceiling Mounted Bezel (System Sensor BZRC-EV).....	27.93	5.87
28 46 13 31-2331	EA	Red, FIRE Marking, L-Series Ceiling Mounted Bezel, Pack Of 5 (System Sensor BZRC-F).....	27.93	5.87
28 46 13 31-2332	EA	Red, PLAIN Marking, L-Series Ceiling Mounted Bezel (System Sensor BZRC-P).....	27.93	5.87
28 46 13 31-2333	EA	Red, EVAC Marking, L-Series Wall Mounted Bezel (System Sensor BZR-EV).....	25.43	5.87
28 46 13 31-2334	EA	Red, FIRE Marking, L-Series Wall Mounted Bezel (System Sensor BZR-F).....	25.43	5.87
28 46 13 31-2335	EA	Red, PLAIN Marking, L-Series Wall Mounted Bezel (System Sensor BZR-P).....	25.43	5.87
28 46 13 31-2336	EA	Red, AGENT Marking, L-Series Wall Mounted Bezel (System Sensor BZR-AG).....	25.43	5.87
28 46 13 31-2337	EA	White, AGENT Marking, L-Series Wall Mounted Bezel (System Sensor BZSPW-AG).....	25.43	5.87
28 46 13 31-2338	EA	White, ALERT Marking, L-Series Wall Mounted Bezel (System Sensor BZSPW-AL).....	25.43	5.87
28 46 13 31-2339	EA	White, AGENT Marking, L-Series Ceiling Mounted Bezel (System Sensor BZSPWC-AG).....	27.93	5.87
28 46 13 31-2340	EA	White, ALERT Marking, L-Series Ceiling Mounted Bezel (System Sensor BZSPWC-AL).....	27.93	5.87
28 46 13 31-2341	EA	White, EVAC Marking, L-Series Ceiling Mounted Bezel (System Sensor BZSPWC-EV).....	27.93	5.87
28 46 13 31-2342	EA	White, FIRE Marking, L-Series Ceiling Mounted Bezel (System Sensor BZSPWC-F).....	27.93	5.87
28 46 13 31-2343	EA	White, PLAIN Marking, L-Series Ceiling Mounted Bezel (System Sensor BZSPWC-P).....	27.93	5.87
28 46 13 31-2344	EA	White, EVAC Marking, L-Series Wall Mounted Bezel (System Sensor BZSPW-EV).....	25.43	5.87
28 46 13 31-2345	EA	White, FIRE Marking, L-Series Wall Mounted Bezel (System Sensor BZSPW-F).....	25.43	5.87
28 46 13 31-2346	EA	Replacement Dust Cover For Low Profile Detectors (System Sensor C58-227-01).....	5.30	
28 46 13 31-2347	EA	Control Module Barrier (System Sensor CB500).....	38.09	8.80
28 46 13 31-2348	EA	White Detector Conversion Kit For SSD Intelligent Low Profile Photo, Ion, And Laser Detectors (System Sensor CK300).....	34.88	8.80
28 46 13 31-2349	EA	Black Detector Conversion Kit For SSD Intelligent Low Profile Photo, Ion, And Laser Detectors (System Sensor CK300-BL).....	42.56	8.80
28 46 13 31-2350	EA	PTIR Color Kit, White (System Sensor CK-300-IR)..... Note: Includes cover and trim ring	165.26	8.80
28 46 13 31-2351	EA	PTIR Color Kit, Black (System Sensor CK-300-IR-BL)..... Note: Includes cover and trim ring	240.87	8.80
28 46 13 31-2352	EA	PTIR Color Kit, Ivory (System Sensor CK-300-IR-IV)..... Note: Includes cover and trim ring	240.87	8.80

28 Electronic Safety and Security**28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR

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UNIT COST

UNIT COST

28 46 13 31-2353	EA	Accessory Flange Ring For B210LP Base (System Sensor F210)..... Note: Includes cover and trim ring	28.15	8.80
28 46 13 31-2354	EA	Black Faceplate (System Sensor FP-BLACK-BP)	27.28	8.80
28 46 13 31-2355	EA	White Faceplate, 2 In/2 Out (System Sensor FP-WHITE-2-BP)	27.73	8.80
28 46 13 31-2356	EA	White Faceplate (System Sensor FP-WHITE-BP)	26.27	8.80
28 46 13 31-2357	EA	White, Back Box (System Sensor SMB500-WH)	48.58	14.67
28 46 13 31-2358	EA	Accessory Flange Ring For B210LP Base, White (System Sensor TR300)	19.18	5.87
28 46 13 31-2359	EA	Accessory Flange Ring For B210LP Base, Ivory (System Sensor TR300-IV)	27.87	5.87
28 46 13 31-2360	EA	White Faceplate Swift (System Sensor FP-WHITE-SWIFT-BP)	29.13	8.80
28 46 13 31-2361	EA	Red, ALERT Marking, L-Series Wall Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPR-AL)	25.43	5.87
28 46 13 31-2362	EA	Red, AGENT Marking, L-Series Ceiling Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPRC-AG)	27.93	5.87
28 46 13 31-2363	EA	Red, ALERT Marking, L-Series Ceiling Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPRC-AL)	27.93	5.87
28 46 13 31-2364	EA	Red, EVAC Marking, L-Series Ceiling Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPRC-EV)	27.93	5.87
28 46 13 31-2365	EA	Red, FIRE Marking, L-Series Ceiling Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPRC-F)	27.93	5.87
28 46 13 31-2366	EA	Red, Plain, L-Series Ceiling Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPRC-P)	27.93	5.87
28 46 13 31-2367	EA	Red, EVAC Marking, L-Series Wall Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPR-EV)	25.43	5.87
28 46 13 31-2368	EA	Red, FIRE Marking, L-Series Wall Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPR-F)	25.43	5.87
28 46 13 31-2369	EA	Red, Plain, L-Series Wall Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPR-P)	25.43	5.87
28 46 13 31-2370	EA	L Series, 120 VAC Adapter Mounting Plate (System Sensor MP120KL)	77.22	14.67
28 46 13 31-2371	EA	White, Amber Lens, Universal Expander Plate (System Sensor SEP-SPSWL-P)	155.86	14.67

28 46 13 31-2372 Chimes (28 46 13 31-2055)

28 46 13 31-2373	EA	Red, 12/24 Volt DC, Ceiling Or Wall Mounted Chime (System Sensor CHRL)	155.13	44.01
28 46 13 31-2374	EA	White, 12/24 Volt DC, Ceiling Or Wall Mounted Chime (System Sensor CHWL)	163.64	44.01

28 46 13 31-2375 Chime/Strobes (28 46 13 31-2055)

28 46 13 31-2376	EA	Red, 15, 15/75, 30, 75, 110 Multi-Candela, 24 Volt DC, Ceiling Or Wall Mounted Chime/Strobe (System Sensor CHSRL)	242.82	44.01
28 46 13 31-2377	EA	White, 15, 15/75, 30, 75, 110 Multi-Candela, 24 Volt DC, Ceiling Or Wall Mounted Chime/Strobe (System Sensor CHSWL)	242.82	44.01
28 46 13 31-2378	EA	L-Series, Red, 15, 30, 75, 95, 115, 150, 177 Multi-Candela, 24 Volt DC, Ceiling Mounted Chime/Strobe (System Sensor CHSCL)	244.61	44.01
28 46 13 31-2379	EA	L-Series, White, 15, 30, 75, 95, 115, 150, 177 Multi-Candela, 24 Volt DC, Ceiling Mounted Chime/Strobe (System Sensor CHSCWL)	244.61	44.01

28 46 13 31-2380 Carbon Monoxide Detectors (28 46 13 31-2055)

28 46 13 31-2381	EA	Conventional Carbon Monoxide Detector (System Sensor CO1224)	276.49	58.68
28 46 13 31-2382	EA	Round, Sounder And Trouble Relay With Test Function, 12/24 Volt DC, Conventional Carbon Monoxide Detector (System Sensor CO1224TR)	240.44	44.01
28 46 13 31-2383	EA	CO Detector Plate For Replacing Round CO Detectors With The CO1224T (System Sensor CO-PLATE)	18.93	5.87
28 46 13 31-2384	EA	Intelliquad Plus Intelligent Addressable Combination Multi-Criteria Fire And Carbon Monoxide Detector With Flashscan (System Sensor FCO-951)	365.46	44.01
28 46 13 31-2385	EA	12/24 VDC, Conventional Carbon Monoxide Detector With Sounder And Trouble Relay With Test Function, UL2075 Listed (System Sensor CO1224T)	269.78	58.68
28 46 13 31-2386	EA	Intelliquad Plus Intelligent Addressable Combination Multi-Criteria Fire And Carbon Monoxide Detector With Flashscan, Ivory (System Sensor FCO-951-IV)	378.56	44.01

28 46 13 31-2387 Switches (28 46 13 31-2055)

28 46 13 31-2388	EA	SPDT Switch, 4 - 20 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS10-1)	223.17	23.47
28 46 13 31-2389	EA	Two SPDT Switches, 4 - 20 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS10-2)	249.96	23.47
28 46 13 31-2390	EA	SPDT Switch, 10 - 100 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS40-1)	223.17	23.47
28 46 13 31-2391	EA	Two SPDT Switches, 10 - 100 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS40-2)	249.96	23.47
28 46 13 31-2392	EA	Outside Screw And Yoke Valve, Two SPDT, Supervisory Switch (System Sensor OSY2)	232.70	23.47
28 46 13 31-2393	EA	Post Indicator Butterfly Valve, SPDT, Supervisory Switch (System Sensor PIBV2)	217.22	23.47

28 46 13 31-2394 Low Frequency Sounders (28 46 13 31-2055)

28 46 13 31-2395	EA	Red, Low Frequency Sounder (System Sensor HR-LF)	218.00	44.01
28 46 13 31-2396	EA	White, Low Frequency Sounder (System Sensor HW-LF)	218.00	44.01
28 46 13 31-2397	EA	Red, Ceiling Mounted, Low-frequency Compact Sounder (System Sensor HCRL-LF)	196.68	44.01
28 46 13 31-2398	EA	White, Ceiling Mounted, Low-frequency Compact Sounder (System Sensor HCWL-LF)	196.68	44.01
28 46 13 31-2399	EA	Red, Wall Mounted, Low-frequency Compact Sounder (System Sensor HGRL-LF)	195.19	44.01
28 46 13 31-2400	EA	White, Wall Mounted, Low-frequency Compact Sounder (HGWL-LF)	195.19	44.01

28 46 13 31-2401 Sync Modules (28 46 13 31-2055)

28 46 13 31-2402	EA	Red, 12/24 Volt DC, Sync Module (System Sensor MDL3R)	174.77	29.35
28 46 13 31-2403	EA	White, 12/24 Volt DC, Sync Module (System Sensor MDL3W)	171.80	29.35

28 46 13 31-2404 Relays (28 46 13 31-2055)

28 46 13 31-2405	EA	Metal Enclosure, SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-10E)	97.20	23.47
28 46 13 31-2406	EA	SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-10T)	62.81	14.67
28 46 13 31-2407	EA	4-Gang Relay, Metal Enclosure, SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-14E)	190.09	14.67

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2408	EA		4-Gang Relay, SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-14T).....	138.89	14.67
28 46 13 31-2409	EA		Metal Enclosure, DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-20E).....	105.18	23.47
28 46 13 31-2410	EA		DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-20T)	64.95	14.67
28 46 13 31-2411	EA		4-Gang Relay, Metal Enclosure, DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-24E).....	214.50	14.67
28 46 13 31-2412	EA		4-Gang Relay, DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-24T)	159.43	14.67
28 46 13 31-2413	EA		18 To 35 Volt DC, 18 To 35 Volt AC, 120 Volt AC, SPDT Multivoltage Relay (System Sensor PR-1)	54.12	14.67
28 46 13 31-2414	EA		10 To 40 Volt DC, SPDT Multivoltage Relay (System Sensor PR-2).....	54.12	14.67
28 46 13 31-2415	EA		Redundant Power Input, 10 To 40 Volt DC, SPDT Multivoltage Relay (System Sensor PR-3)	54.12	14.67
28 46 13 31-2416 Remote Annunciator (28 46 13 31-2055)					
28 46 13 31-2417	EA		Remote Annunciator (System Sensor RA100Z)	125.54	44.01
28 46 13 31-2418	EA		Remote LED Annunciator (System Sensor RA100ZA)	120.33	44.01
28 46 13 31-2419	EA		Remote Annunciator With Piezo Alarm (System Sensor APA151).....	151.93	44.01
28 46 13 31-2420 Remote Test Station (28 46 13 31-2055)					
28 46 13 31-2421	EA		Remote Test Station With Key (System Sensor RTS151KEY).....	202.93	44.01
28 46 13 31-2422 Fire Alarm Digital Cellular Communicator (28 46 13 31)					
28 46 13 31-2423	EA		Digital Cellular Communicator With Antenna And Red Enclosure (Telular Telguard TG-7FS).....	771.03	58.68
28 46 13 31-2424 Wheelock Fire Alarm (28 46 13 31)					
28 46 13 31-2425 Ceiling Mounted Chimes/Strobes (28 46 13 31-2424)					
28 46 13 31-2426	EA		White, Round, Selectable Candela (15, 30, 75, 100 Candela), 24 Volt DC, Ceiling Mounted Chime/Strobe (Wheelock CH90-24MCC-FW)	252.08	44.01
28 46 13 31-2427 Wall Mounted Chimes/Strobes (28 46 13 31-2424)					
28 46 13 31-2428	EA		Red, Selectable Candela (15, 30, 75, 110 Candela), 24 Volt DC, Wall Mounted Chime/Strobe (Wheelock CH70-24MCW-FR)	252.08	44.01
28 46 13 31-2429	EA		White, Selectable Candela (15, 30, 75, 110 Candela), 24 Volt DC, Wall Mounted Chime/Strobe (Wheelock CH70-24MCW-FW).....	252.08	44.01
28 46 13 31-2430 Ceiling Mounted Horns/Strobes (28 46 13 31-2424)					
28 46 13 31-2431	EA		Red, Two Wire, 12/24 Volt DC, Multi-Candela, Ceiling Mounted Horn/Strobe (Wheelock HSRC)	163.46	44.01
28 46 13 31-2432	EA		White, Two Wire, 12/24 Volt DC, Multi-Candela, Ceiling Mounted Horn/Strobe (Wheelock HSWC)	196.98	44.01
28 46 13 31-2433 Wall Mounted Horns/Strobes (28 46 13 31-2424)					
28 46 13 31-2434	EA		Red, Weatherproof, 24 Volt DC, 75 Candela, Wall Mounted, Horn/Strobe (Wheelock ASWP-2475W-FR).....	166.97	44.01
28 46 13 31-2435	EA		Red, 24 Volt DC, 15/75 Candela, Continuous Or Code 3 Tone, Wall Mounted Horn/Strobe (Wheelock HS4-241575 Watt-FR).....	277.98	44.01
28 46 13 31-2436	EA		Red, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Wall Mounted Horn/Strobe (Wheelock HS4-24MCW-FR)	238.65	44.01
28 46 13 31-2437	EA		White, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Wall Mounted Horn/Strobe (Wheelock HS4-24MCW-FW).....	238.65	44.01
28 46 13 31-2438	EA		Red, Flush, 24 Volt AC, 15/75 Candela, Sync/Non-Sync, Wall Mounted Horn/Strobe (Wheelock MT-241575 Watt-FR)	262.99	44.01
28 46 13 31-2439	EA		Red, 24 Volt AC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock MT-24MCW-FR).....	186.96	44.01
28 46 13 31-2440	EA		Red, 115 Volt AC, Wall Mounted Horn/Strobe (Wheelock MT4-115-WH-VFR)	184.90	44.01
28 46 13 31-2441	EA		Red, Weatherproof, 24 Volt DC, 75 Candela, Wall Mounted Horn/Strobe (Wheelock MTWP-2475W-FR)	204.06	49.88
28 46 13 31-2442	EA		Red, Two Wire, 12/24 Volt DC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock HSR)	166.14	44.01
28 46 13 31-2443	EA		White, Two Wire, 12/24 Volt DC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock HSW).....	166.14	44.01
28 46 13 31-2444	EA		White, 24 Volt AC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock MT-24MCW-FW)	184.07	44.01
28 46 13 31-2445	EA		Red, 24 Volt DC, 15/30/75/110 Selectable Candela, Wall Mounted Horn/Strobe (Wheelock HS4-24MCW-FR).....	238.65	44.01
28 46 13 31-2446	EA		White, 24 Volt DC, 15/30/75/110 Selectable Candela, Wall Mounted Horn/Strobe (Wheelock HS4-24MCW-FW)	238.65	44.01
28 46 13 31-2447 Ceiling Mounted Strobes (28 46 13 31-2424)					
28 46 13 31-2448	EA		Red, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe (Wheelock RSS-24MCC-FR)	156.04	44.01
28 46 13 31-2449	EA		White, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe (Wheelock RSS-24MCC-FW).....	156.04	44.01
28 46 13 31-2450	EA		Red, Two Wire, 12/24 Volt DC, Multi-Candela, Ceiling Mounted Strobe (Wheelock STRC).....	177.33	44.01
28 46 13 31-2451	EA		White, Two Wire, 12/24 Volt DC, Multi-Candela, Ceiling Mounted Strobe (Wheelock STWC)	149.86	44.01
28 46 13 31-2452	EA		White, 24 Volt DC, Amber Lens, Multi- Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe, No Lettering (Wheelock RSSA-24MCC-NW)	166.76	44.01
28 46 13 31-2453	EA		White, 24 Volt DC, Amber Lens, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe, Red ALERT Lettering (Wheelock RSSA-24MCC-ALW)	168.20	44.01
28 46 13 31-2454	EA		White, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe With Fire Lettering (Wheelock RSS-24MCC-FW)	168.82	44.01
28 46 13 31-2455	EA		Red, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Weatherproof Strobe With Fire Lettering (Wheelock RSSWP-2475C-FR).....	186.56	44.01
28 46 13 31-2456 Wall Mounted Strobes (28 46 13 31-2424)					
28 46 13 31-2457	EA		Red, Multi-Candela, 24 Volt DC, Wall Mounted Strobe (Wheelock AMT-24MCW-FR).....	236.83	44.01
28 46 13 31-2458	EA		Red, Retrofit Plate, 12 Volt DC, 15/75 Candela, Wall Mounted Strobe (Wheelock RSSP-121575W-FR)	190.25	44.01
28 46 13 31-2459	EA		Red, 24 Volt DC, 15/75 Candela, Wall Mounted Strobe (Wheelock RSS-241575W-FR)	219.66	44.01
28 46 13 31-2460	EA		Red, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Wall Mounted Strobe (Wheelock RSS-24MCW-FR)	154.39	44.01
28 46 13 31-2461	EA		White, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Wall Mounted Strobe (Wheelock RSS-24MCW-FW)	154.39	44.01

28 Electronic Safety and Security**28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR

CSI UOM DESCRIPTION

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UNIT COST

UNIT COST

28 46 13 31-2462	EA	Red, Retrofit Plate, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Wall Mounted Strobe (Wheelock RSSP-24MCW-FR)	165.11	44.01
28 46 13 31-2463	EA	Outdoor, Red, 24 Volt DC, 75 Candela, Wall Mounted Strobe (Wheelock RSSWP-2475W-FR)..... Note: Requires WPSBB-R.	172.32	49.88
28 46 13 31-2464	EA	Red, Two Wire, 12/24 Volt DC, Multi-Candela, Wall Mounted Strobe (Wheelock STR)	150.89	44.01
28 46 13 31-2465	EA	White, Two Wire, 12/24 Volt DC, Multi-Candela, Wall Mounted Strobe (Wheelock STW).....	150.89	44.01
28 46 13 31-2466	EA	Interior, White, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Strobe, No Lettering (Wheelock RSS-24MCWH-NW).....	179.54	44.01
28 46 13 31-2467	EA	White, 24 Volt DC, Multi-Candela (15, 30, 75, 110 Candela), Wall Mounted Strobe, No Lettering (Wheelock RSS-24MCW-NW)	156.25	44.01
28 46 13 31-2468	EA	Weatherproof, White, 24 Volt DC, 75 Candela, Wall Mounted Strobe (Wheelock RSSWP-2475W-FW)..... Note: Requires WPSBB-R.	202.17	49.88
28 46 13 31-2469	EA	Interior, White, 24 Volt DC, Multi-Candela 135/185, Weatherproof Wall Mounted Strobe (Wheelock RSSWP-24MCWH-FW)	200.85	44.01

28 46 13 31-2470 Ceiling Mounted Speakers/Strobes (28 46 13 31-2424)

28 46 13 31-2471	EA	Red, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E60-24MCC-FR).....	190.25	44.01
28 46 13 31-2472	EA	White, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E60-24MCC-FW)	190.25	44.01
28 46 13 31-2473	EA	White, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E70-24MCC-FW)	190.25	44.01
28 46 13 31-2474	EA	White, 24 Volt DC, Multi-Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E90-24MCC-FW)	192.32	44.01
28 46 13 31-2475	EA	White, 24 Volt DC, Multi-Candela 115/177, Ceiling Mounted Speaker/Strobe (Wheelock E90-24MCCH-FW).....	203.86	44.01
28 46 13 31-2476	EA	White, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Speaker/Strobe (Wheelock ET90-24MCC-FW)	219.93	44.01
28 46 13 31-2477	EA	Red, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Speaker/Strobe (Wheelock ET90-24MCC-FR)	219.93	44.01
28 46 13 31-2478	EA	Red, 24 Volt DC, Multi-Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E90-24MCC-FR)	193.96	44.01
28 46 13 31-2479	EA	White, 2 Watts, 24 Volt DC, 15/30/75/95 Candela, Square, No Lettering, Ceiling Mounted Speaker/Strobe (Wheelock E70-24MCC-NW).....	226.75	44.01
28 46 13 31-2480	EA	Round, 2 Watt, 24 Volt DC, 15/30/75/95CD, No Lettering, Ceiling Mounted Speaker/Strobe (Wheelock E90-24MCC-NW)	241.03	44.01
28 46 13 31-2481	EA	White, 8 Watts, 24 Volt DC, 75 Candela, Weatherproof, Ceiling Mounted, Speaker/Strobe (Wheelock ET70WP-2475C-FW)	255.32	44.01

28 46 13 31-2482 Wall Mounted Speakers/Strobes (28 46 13 31-2424)

28 46 13 31-2483	EA	Red, Square, 24 Volt DC, 15/75 Candela, 25/70.7 VRMS, Wall Mounted Speaker/Strobe (Wheelock E50-241575 Watt-FR)	306.31	44.01
28 46 13 31-2484	EA	White, Square, 24 Volt DC, 15/75 Candela, 25/70.7 VRMS, Wall Mounted Speaker/Strobe (Wheelock E50-241575 Watt-FW)	306.31	44.01
28 46 13 31-2485	EA	Red, 24 Volt DC, Multi-Candela 115/177, Wall Mounted Speaker/Strobe (Wheelock E60-24MCCH-FR)	203.86	44.01
28 46 13 31-2486	EA	White, 24 Volt DC, Multi-Candela 115/177, Wall Mounted Speaker/Strobe (Wheelock E60-24MCCH-FW).....	203.86	44.01
28 46 13 31-2487	EA	Red, Square, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E50-24MCW-FR)	190.25	44.01
28 46 13 31-2488	EA	White, Square, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E50-24MCW-FW).....	186.96	44.01
28 46 13 31-2489	EA	Red, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E50-24MCWH-FR)	203.86	44.01
28 46 13 31-2490	EA	White, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E50-24MCWH-FW).....	203.86	44.01
28 46 13 31-2491	EA	Red, Square, 24 Volt DC, 15/75 Candela, 25/70.7 VRMS, Wall Mounted Speaker/Strobe (Wheelock E70-241575 Watt-FR)	302.97	44.01
28 46 13 31-2492	EA	Red, Square, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E70-24MCW-FR)	192.32	44.01
28 46 13 31-2493	EA	White, Square, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E70-24MCW-FW).....	190.67	44.01
28 46 13 31-2494	EA	Red, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E70-24MCWH-FR)	295.48	44.01
28 46 13 31-2495	EA	White, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E70-24MCWH-FW).....	302.97	44.01
28 46 13 31-2496	EA	Red, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock ET70-24MCW-FR)	219.93	44.01
28 46 13 31-2497	EA	White, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock ET70-24MCW-FW).....	219.93	44.01
28 46 13 31-2498	EA	Weatherproof, Red, 24 Volt DC, 75 Candela, Wall Mounted Speaker Strobe/(Wheelock ET70WP-2475 W-FR)..... Note: Requires weatherproof backbox (IOB).	328.88	49.88
28 46 13 31-2499	EA	Interior, Red, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock RSS-24MCWH-FR)	175.00	44.01
28 46 13 31-2500	EA	Interior, White, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock RSS-24MCWH-FW).....	168.82	44.01
28 46 13 31-2501	EA	White, 2 Watts, 24 Volt DC, 15/30/75/95 Candela, Round, Wall Mounted Speaker/Strobe (Wheelock E60-24MCW-FW).....	241.03	44.01
28 46 13 31-2502	EA	Red, 24 Volt DC, 135/185 Multi-Candela, Wall Mounted Speaker/Strobe (Wheelock E70-24MCWH-FR)	255.32	44.01
28 46 13 31-2503	EA	White, 24 Volt DC, 135/185 Multi-Candela, Wall Mounted Speaker/Strobe (Wheelock E70-24MCWH-FW).....	260.68	44.01
28 46 13 31-2504	EA	White, 8 Watt, 24 VDC, 15/30/75/110 Candela, No Lettering, Wall Mounted, Speaker/Strobe (Wheelock ET70-24MCW-NW)	269.61	44.01
28 46 13 31-2505	EA	Red, 8 Watts, Weatherproof, 185 Candela, Wall Mounted, Speaker/Strobe (Wheelock ET70WP-24185W-FR).....	276.16	44.01
28 46 13 31-2506	EA	Red, 24 Volt DC, 75 Candela, Weatherproof, Wall Mounted, Speaker/Strobe (Wheelock ET70WP-2475W-FR)..... Note: Requires IOB	271.99	44.01
28 46 13 31-2507	EA	White, 8 Watts, 24 Volt DC, 75 Candela, Weatherproof, Wall Mounted, Speaker/Strobe (Wheelock ET70WP-2475W-FW)	269.61	44.01
		Note: Requires IOB		

28 46 13 31-2508 Electric Alarm Bells (28 46 13 31-2424)

28 46 13 31-2509	EA	6" Diameter, 24 Volt DC, Red, Vibrating Bell (Wheelock 43T-G6-24-R)	185.31	44.01
28 46 13 31-2510	EA	6" Diameter, 115 Volt AC, Red, Vibrating Bell (Wheelock 43T-G6-115-R)	178.71	44.01
28 46 13 31-2511	EA	10" Diameter, 115 Volt AC, Red, Vibrating Bell (Wheelock 43T-G10-115-R)	222.82	44.01
28 46 13 31-2512	EA	10" Diameter, 115 Volt AC, Single Stroke, Red, Explosion Proof Bell (Wheelock CSX10-115-R).....	1,745.25	49.88

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2513	EA	10" Diameter, Outdoor, 115 Volt AC, Single Stroke, Red, Explosion Proof Bell (Wheelock CSXG10-115-R).....	2,820.26	49.88
28 46 13 31-2514	EA	10" Diameter, Vibrating, Outdoor, 115 Volt AC, Single Stroke, Red, Explosion Proof Bell (Wheelock CVXG10-115-R).....	3,390.59	49.88
28 46 13 31-2515	EA	6", ADA, 24 Volt DC, Red, Motor Bell (Wheelock MB-G6-24-R).....	148.00	44.01
28 46 13 31-2516	EA	10", ADA, 24 Volt DC, Red, Motor Bell (Wheelock MB-G10-24-R).....	211.86	44.01
28 46 13 31-2517	EA	6", ADA, 12 Volt DC, Red, Motor Bell (Wheelock MB-G6-12-R).....	150.48	44.01
28 46 13 31-2518	EA	10", ADA, 12 Volt DC, Red, Indoor/Outdoor Motor Bell (Wheelock MB-G10-12-R).....	209.78	44.01
28 46 13 31-2519 Horns (28 46 13 31-2424)				
28 46 13 31-2520	EA	Two Wire, 24 Volt DC, Indoor Or Outdoor, Continuous Or Code 3, Sync Or Non-Sync Horn (Wheelock AH-24WP-R).....	154.68	44.01
28 46 13 31-2521	EA	Red, Two Wire, 12/24 Volt DC, Wall Mounted Horn (Wheelock HNR).....	124.80	44.01
28 46 13 31-2522	EA	White, Two Wire, 12/24 Volt DC, Wall Mounted Horn (Wheelock HNW).....	124.80	44.01
28 46 13 31-2523	EA	Red, Two Wire, 12/24 Volt DC, Ceiling Mounted Horn (Wheelock HNRC).....	125.70	44.01
28 46 13 31-2524	EA	White, Two Wire, 12/24 Volt DC, Ceiling Mounted Horn (Wheelock HNWC).....	125.70	44.01
28 46 13 31-2525	EA	Red, 24 Volt DC, Sync With Built-In Temporal, Mini-Horn (Wheelock MIZ-24S-R).....	110.45	44.01
28 46 13 31-2526	EA	White, 24 Volt DC, Sync With Built-In Temporal, Mini-Horn (Wheelock MIZ-24S-W).....	110.45	44.01
28 46 13 31-2527	EA	Red, Flush, 12/24 Volt AC, Horn (Wheelock MT-12/24-R).....	125.70	44.01
28 46 13 31-2528	EA	Red, 24 Volt DC, Four Wire, Wall Mounted Horn (Wheelock HS-24-R).....	155.90	44.01
28 46 13 31-2529 Speakers (28 46 13 31-2424)				
28 46 13 31-2530	EA	Red, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Mounted Speaker (Wheelock E50-R).....	128.34	44.01
28 46 13 31-2531	EA	White, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Mounted Speaker (Wheelock E50-W).....	128.34	44.01
28 46 13 31-2532	EA	Red, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Ceiling Mounted Speaker (Wheelock E60-R).....	128.34	44.01
28 46 13 31-2533	EA	White, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Ceiling Mounted Speaker (Wheelock E60-W).....	126.53	44.01
28 46 13 31-2534	EA	Red, Flush, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Or Ceiling Mounted Speaker (Wheelock E70-R).....	128.34	44.01
28 46 13 31-2535	EA	White, Flush, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Or Ceiling Mounted Speaker (Wheelock E70-W).....	128.34	44.01
28 46 13 31-2536	EA	Red, Round, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Or Ceiling Mounted Speaker (Wheelock E90-R).....	128.34	44.01
28 46 13 31-2537	EA	White, Round, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Or Ceiling Mounted Speaker (Wheelock E90-W).....	128.34	44.01
28 46 13 31-2538	EA	Red, Flush Or Surface, Square, 1/8 - 8 Watt, Wall Mounted Speaker (Wheelock ET70-R).....	148.21	44.01
28 46 13 31-2539	EA	White, Flush Or Surface, Square, 1/8 - 8 Watt, Wall Mounted Speaker (Wheelock ET70-W).....	148.21	44.01
28 46 13 31-2540	EA	White, Round, 25 Or 70.7 VRMS, 1/8 - 8 Watt Ceiling Mounted Speaker (Wheelock ET90-W).....	149.86	44.01
28 46 13 31-2541	EA	Red, Surface Mounted, Vandal Resistant, Square, 1/8 - 8 Watt, Wall Or Ceiling Mounted Speaker (Wheelock ET-1010-R).....	211.27	44.01
28 46 13 31-2542	EA	Red, Flush Mounted, Vandal Resistant, Square, 1/8 - 8 Watt, Wall Or Ceiling Mounted Speaker (Wheelock ET-1080-R).....	190.43	44.01
28 46 13 31-2543	EA	Grey, 1 To 15 Watt, 25/70/100 Volt Transformer, Loud Speaker (Wheelock STH-15S).....	277.64	44.01
28 46 13 31-2544	EA	Red, 1 To 15 Watt, 25/70/100 Volt Transformer, Loud Speaker (Wheelock STH-15SR).....	277.64	44.01
28 46 13 31-2545	EA	Red, 1/8 To 8 Watts, Square, Surface Mounted, Vandal Resistant Speaker (Wheelock ET-1010-R).....	211.27	44.01
28 46 13 31-2546	EA	White, 8 Watts, Wall/Ceiling Mounted, Vandal Resistant Speaker (Wheelock ET-1010-W).....	213.65	44.01
28 46 13 31-2547	EA	Red, 1/8 To 8 Watts, Square, Flush Mounted, Vandal Resistant Speaker (Wheelock ET-1080-R).....	190.43	44.01
28 46 13 31-2548	EA	White, 8", 25/70 Volt, 15/30/75/95 Candela, Round, Ceiling Mounted, Speaker (Wheelock S8-24MCC-FW).....	285.09	44.01
28 46 13 31-2549	EA	White, 8", 25/70 Volt, Round, Ceiling Mounted, Speaker (Wheelock S8-70/25).....	204.72	44.01
28 46 13 31-2550 Sync Modules (28 46 13 31-2424)				
28 46 13 31-2551	EA	12 Or 24 Volt DC, Single Circuit Class B, Sync Module (Wheelock SM-12/24-R).....	188.65	29.35
28 46 13 31-2552 Boxes, Plates And Rings (28 46 13 31-2424)				
28 46 13 31-2553	EA	4" Square, Red, Surface Back Box (Wheelock BB-R).....	38.38	14.67
28 46 13 31-2554	EA	Standard 4" Square Box (Wheelock BB-STD).....	38.64	14.67
28 46 13 31-2555	EA	Black, Back Box For UZC-256 (Wheelock BB-UZC).....	250.98	29.35
28 46 13 31-2556	EA	Red, Back Box For UZC-256 (Wheelock BB-UZC-R).....	250.98	29.35
28 46 13 31-2557	EA	9" x 12" x 2.75", For Two XP Boards, Surface Mounted Cabinet (Wheelock BB-XP).....	193.41	23.47
28 46 13 31-2558	EA	Red, Extender Ring For E60 Series (Wheelock E60EXT-R).....	19.82	5.87
28 46 13 31-2559	EA	White, Extender Ring For E60 Series (Wheelock E60EXT-W).....	19.82	5.87
28 46 13 31-2560	EA	Red, Surface Mounted Back Box For E50 Speakers (Wheelock E50SB-R).....	48.15	14.67
28 46 13 31-2561	EA	White, Surface Mounted Back Box For E50 Speakers (Wheelock E50SB-W).....	45.51	14.67
28 46 13 31-2562	EA	Red, Surface Mounted Back Box For E50 Speaker Strobe (Wheelock E50SSB-R).....	48.15	14.67
28 46 13 31-2563	EA	White, Surface Mounted Back Box For E50 Speaker Strobe (Wheelock E50SSB-W).....	48.15	14.67
28 46 13 31-2564	EA	4" Square Back Box (Wheelock DBB-R).....	40.07	14.67
28 46 13 31-2565	EA	Red, Surface Back Box (Wheelock IOB-R).....	46.41	14.67
28 46 13 31-2566	EA	White, Surface, Back Box (Wheelock IOB-W).....	46.41	14.67
28 46 13 31-2567	EA	White, Indoor, Surface Extender (Wheelock ISP2-W).....	18.95	5.87
28 46 13 31-2568	EA	Red, RS/RSS Strobe Trim Plate (Wheelock NATP-R).....	25.90	5.87
28 46 13 31-2569	EA	White, RS/RSS Strobe Trim Plate (Wheelock NATP-W).....	25.90	5.87
28 46 13 31-2570	EA	Red Retrofit Plate (Wheelock RP-R).....	22.46	5.87
28 46 13 31-2571	EA	4" Speaker/Strobe Ceiling Tile Support Bracket (Wheelock SSB-4).....	41.86	5.87
28 46 13 31-2572	EA	Red, Surface Mounted, Back Box For Chimes, Speakers (Wheelock SBB-R).....	48.56	14.67
28 46 13 31-2573	EA	White, Surface Mounted, Back Box For Chimes, Speaker (Wheelock SBB-W).....	49.14	14.67
28 46 13 31-2574	EA	Red, Surface Mounted, Back Box For With RSSP (Wheelock SBL2-R).....	52.19	14.67
28 46 13 31-2575	EA	Red, Semi-Flush Plate (Wheelock SFB-R).....	27.15	5.87
28 46 13 31-2576	EA	White, Semi-Flush Plate (Wheelock SFB-W).....	27.15	5.87
28 46 13 31-2577	EA	Red, Shallow Surface Mounted, Back Box (Wheelock SHBB-R).....	42.83	14.67
28 46 13 31-2578	EA	White, Shallow Surface Mounted, Back Box (Wheelock SHBB-W).....	42.83	14.67
28 46 13 31-2579	EA	Red, Adapter Plate For Mounting Sth-15S And Sth-15SR (Wheelock SHMP-R).....	27.90	5.87
28 46 13 31-2580	EA	Red, Weather Resistant Back Box (Wheelock WBB-R).....	47.82	14.67
28 46 13 31-2581	EA	Silver, Weather Resistant Back Box (Wheelock WBB-S).....	47.82	14.67
28 46 13 31-2582	EA	White, Weather Resistant Back Box (Wheelock WBB-W).....	47.82	14.67
28 46 13 31-2583	EA	Red, Flush Outdoor Mounting Plate For RS, ET, AH And MT Series (Wheelock WFP-R).....	34.16	5.87
28 46 13 31-2584	EA	White, Flush Outdoor Mounting Plate For RS, ET, AH And MT Series (Wheelock WFP-W).....	34.16	5.87
28 46 13 31-2585	EA	Red, Flush Outdoor Mounting Plate For ASWP Series (Wheelock WFPA-R).....	34.16	5.87

28 Electronic Safety and Security**28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

28 46 13 31-2586	EA	White, Flush Outdoor Mounting Plate For ASWP Series (Wheelock WFWA-W)	34.16	5.87
28 46 13 31-2587	EA	Gasket Kit For Rear Wiring To Outdoor Back Box (Wheelock WP-KIT)	24.78	5.87
28 46 13 31-2588	EA	Weather Resistant Back Box For ASWP (Wheelock WPBB-R)	61.74	14.67
28 46 13 31-2589	EA	Weather Resistant Back Box For RSSWP (Wheelock WPSBB-R)	56.50	14.67
28 46 13 31-2590	EA	Red Plate For RSS (Wheelock RSSCP-R)	18.95	5.87
28 46 13 31-2591	EA	White Plate For RSS (Wheelock RSSCP-W)	18.95	5.87
28 46 13 31-2592	EA	Red Fire Plate For RSS (Wheelock RSSCPW-FR)	19.82	5.87
28 46 13 31-2593	EA	White Fire Plate For RSS (Wheelock RSSCPW-FW)	19.82	5.87
28 46 13 31-2594	EA	Red, Indoor, Surface Extender (Wheelock ISP2-R)	19.32	5.87
28 46 13 31-2595	EA	Red, 24 Volt DC, 135/185 Candela, Wall Mounted Strobe Plate (Wheelock RSSP-24MCHW-FR)	154.62	5.87
28 46 13 31-2596	EA	White, 24 Volt DC, 15/30/75/110 Candela, Amber Lens, Ceiling Mounted Strobe Plate (Wheelock RSSPA-24MCC-ALW)	138.55	5.87
28 46 13 31-2597	EA	White, 24 Volt DC, 15/30/75/110 Candela, Amber Lens, No Lettering, Ceiling Mounted Strobe Plate (Wheelock RSSPA-24MCC-NW)	136.17	5.87
28 46 13 31-2598	EA	White, 24 Volt DC, 15/30/75/110 Candela, Amber Lens, ALERT Lettering, Wall Mounted Strobe Plate (Wheelock RSSPA-24MCW-ALW)	138.55	5.87
28 46 13 31-2599	EA	Red, Square Grill Plate For CH70, E70, ET70 (Wheelock ECHG70-R)	22.87	5.87
28 46 13 31-2600	EA	White, Square Grill Plate For CH70, E70, ET70 (Wheelock ECHG70-W)	22.16	5.87
28 46 13 31-2601	EA	Red, Round Grill Plate For CH70, E70, ET70 (Wheelock ECHG90-R)	23.41	5.87
28 46 13 31-2602	EA	White, Round Grill Plate For CH70, E70, ET70 (Wheelock ECHG90-W)	23.41	5.87
28 46 13 31-2603	EA	White, Fire Lettered, Grill Plate For E50 Speaker/Strobe (Wheelock ECHSG50-FW)	22.16	5.87
28 46 13 31-2604	EA	Red, Square, Fire Lettered, Grill Plate For CH70,E70,ET70 Speaker/Strobe (Wheelock ECHSG70W-FR)	23.29	5.87
28 46 13 31-2605	EA	White, Square, Fire Lettered, Grill Plate For CH70,E70,ET70 Speaker/Strobe (Wheelock ECHSG70W-FW)	23.29	5.87
28 46 13 31-2606	EA	Red, Round, Fire Lettered, Grill Plate For CH70, E70, ET70 Speaker Strobe (Wheelock ECHSG90-R)	22.16	5.87
28 46 13 31-2607	EA	White, Round, Fire Lettered, Grill Plate For CH70, E70, ET70 Speaker Strobe (Wheelock ECHSG90-W)	22.16	5.87
28 46 13 31-2608	EA	Red, Surface Mounted, Extender Ring (Wheelock SER-R)	31.21	5.87
28 46 13 31-2609	EA	White, Surface Mounted, Extender Ring (Wheelock SER-W)	31.57	5.87
28 46 13 31-2610	EA	Red, Semi-Flush, Plate (Wheelock SFP-R)	24.78	5.87
28 46 13 31-2611	EA	Silver, Semi-Flush, Plate (Wheelock SFP-S)	23.41	5.87
28 46 13 31-2612	EA	White, Semi-Flush, Plate (Wheelock SFP-W)	24.78	5.87
28 46 13 31-2613	EA	Red, Weather Resistant Back Box For ASWP (Wheelock WPBB-R)	61.74	14.67
28 46 13 31-2614	EA	Red, Weather Resistant Back Box For RSSWP (Wheelock WPSBB-R)	56.50	14.67
28 46 13 31-2615	EA	White, Weather Resistant Back Box For RSSWP Series (Wheelock WPSBB-W)	56.50	14.67

28 46 13 31-2616 Manual Pull Station (28 46 13 31-2424)

28 46 13 31-2617	EA	SPST, Single Action, Manual Pull Station (Eaton Wheelock MPS-100)	136.02	29.35
28 46 13 31-2618	EA	SPST, Double Action, Manual Pull Station (Eaton Wheelock MPS-200)	136.02	29.35
28 46 13 31-2619	EA	Explosion Proof, Single Action Manual Pull Station (Eaton Wheelock MPS-400X)	1,226.55	29.35

28 46 13 31-2620 Potter Fire Alarm (28 46 13 31)**28 46 13 31-2621 Electric Alarm Bells** (28 46 13 31-2620)

28 46 13 31-2622	EA	6" Alarm Bell, 12 Volt DC (Potter MBA-6-12)	128.11	44.01
28 46 13 31-2623	EA	8" Alarm Bell, 12 Volt DC (Potter MBA-8-12)	140.76	44.01
28 46 13 31-2624	EA	10" Alarm Bell, 12 Volt DC (Potter MBA-10-12)	147.09	44.01
28 46 13 31-2625	EA	6" Alarm Bell, 24 Volt DC (Potter MBA-6-24)	128.11	44.01
28 46 13 31-2626	EA	8" Alarm Bell, 24 Volt DC (Potter MBA-8-24)	140.76	44.01
28 46 13 31-2627	EA	10" Alarm Bell, 24 Volt DC (Potter MBA-10-24)	147.09	44.01
28 46 13 31-2628	EA	6" Alarm Bell, 24 Volt AC (Potter PBA246)	138.85	44.01
28 46 13 31-2629	EA	8" Alarm Bell, 24 Volt AC (Potter PBA248)	144.92	44.01
28 46 13 31-2630	EA	10" Alarm Bell, 24 Volt AC (Potter PBA2410)	180.71	44.01
28 46 13 31-2631	EA	6" Alarm Bell, 120 Volt AC (Potter PBA1206)	129.93	44.01
28 46 13 31-2632	EA	8" Alarm Bell, 120 Volt AC (Potter PBA1208)	144.92	44.01
28 46 13 31-2633	EA	10" Alarm Bell, 120 Volt AC (Potter PBA12010)	157.46	44.01

28 46 13 31-2634 Manual Pull Station (28 46 13 31-2620)

28 46 13 31-2635	EA	SPST, Single Action, Manual Pull Station (Potter P32-1T)	94.56	29.35
28 46 13 31-2636	EA	DPST, Single Action, Manual Pull Station (Potter RMS-2T)	100.30	29.35
28 46 13 31-2637	EA	DPST, Single Action, Manual Pull Station (Potter RMS-6T)	164.99	29.35
28 46 13 31-2638	EA	DPST, Single Action, Key Reset Manual Pull Station (Potter RMS-1T-KL)	103.88	29.35
28 46 13 31-2639	EA	SPST, Dual Action, Manual Pull Station (Potter P32-1T-LP)	97.81	29.35
28 46 13 31-2640	EA	SPST, Weather Proof, Manual Pull Station (Potter RMS-1T-WP)	185.22	29.35
28 46 13 31-2641	EA	SPST, Weather Proof Dual Action, Manual Pull Station (Potter RMS-1T-WP-LP)	233.47	29.35

28 46 13 31-2642 Fire Alarm Terminal Cabinets (28 46 13 31)

28 46 13 31-2643	EA	18 Point Lockable Fire Alarm Terminal Cabinet	252.65	58.78
28 46 13 31-2644	EA	32 Point Lockable Fire Alarm Terminal Cabinet	333.72	58.78
28 46 13 31-2645	EA	64 Point Lockable Fire Alarm Terminal Cabinet	495.84	58.78
28 46 13 31-2646	EA	128 Point Lockable Fire Alarm Terminal Cabinet	657.92	58.78

28 46 13 31-2647 Test And Certification Of Fire Alarm System To Tie In To Existing Systems

(28 46 13 31)

28 46 13 31-2648	HR	Test And Certification Of Fire Alarm System	291.51	
28 46 13 31-2649	HR	Design / CAD / SFM Stamped Drawings Of Fire Alarm System	148.03	
		Note: GCC Programming and Engineering; Programming of the Fire Alarm System.		
28 46 13 31-2650	HR	Updating the Campus CAD, Headend (3) Of Fire Alarm System	172.70	
		Note: GCC Programming and Engineering; Programming of the Fire Alarm System.		

28 46 13 31-2651 Programming Of Existing Fire Alarm System (28 46 13 31)

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2652	HR	Fire Alarm Technician For Programming Of Existing Fire Alarm System	233.21	
28 46 13 31-2653		Removal And Reinstallation Of Smoke Detector (28 46 13 31)		
		Note: Includes storage, cleaning and supply materials.		
28 46 13 31-2654	EA	Removal And Reinstallation Of Ceiling Mounted Smoke Detector.....	164.33	
28 46 13 31-2655	EA	Removal And Reinstallation Of Wall Mounted Smoke Detector	132.04	
28 46 13 31-2656		Kidde Fire Safety Equipment (28 46 13 31)		
28 46 13 31-2657		Smoke Detectors (28 46 13 31-2656)		
28 46 13 31-2658	EA	Combination Smoke And Carbon Monoxide Detector, Intelligent Sensor, 120 Volt Hardwired, With 10 Year Sealed Battery Back-up (Kidde P4010ACS-CO)	158.81	44.01
28 46 13 31-2659	EA	Combination Smoke And Carbon Monoxide Detector, 120 Volt Wired, With 10 Year Sealed Battery Back-up (Kidde i12010SCO)	138.85	44.01
28 46 13 31-2660	EA	Combination Smoke And Carbon Monoxide Detector, With 10 Year Sealed Battery (Kidde P3010K-CO).....	130.95	44.01
28 46 31		Fire-Alarm Initiating Devices (28 46)		
28 46 31 11		Heat-Sensing Fire Detectors (28 46 31)		
28 46 31 11-0001		Protectowire Fire Alarm (28 46 31 11)		
28 46 31 11-0002		Linear Heat Detector Cable (28 46 31 11-0001)		
28 46 31 11-0003	LF	Multi-Purpose Linear Heat Detector, EPC Type, 155 To 220 Degree F (Protectowire PHSC-EPC).....	5.85	
28 46 31 11-0004	LF	Multi-Purpose Linear Heat Detector With Messenger Wire, EPC Type, 155 To 220 Degree F (Protectowire PHSC-EPC-M)	6.35	
28 46 31 11-0005	LF	High Performance Linear Heat Detector, XCR Type, 155 To 220 Degree F (Protectowire PHSC-XCR).....	6.35	
28 46 31 11-0006	LF	High Performance Linear Heat Detector With Messenger Wire, XCR Type, 155 To 220 Degree F (Protectowire PHSC-XCR-M).....	6.85	
28 46 31 11-0007	LF	Multi-Purpose Linear Heat Detector, XLT Type, 135 Degree F (Protectowire PHSC-XLT)	7.34	
28 46 31 11-0008	LF	Multi-Purpose Linear Heat Detector With Messenger Wire, XLT Type, 135 Degree F (Protectowire PHSC-XLT-M)	7.84	
28 46 31 11-0009	EA	Flexible Lead Connector For Linear Heat Detector (Protectowire PFL).....	71.07	
28 46 31 11-0010	EA	Splicing Connector For Linear Heat Detector (Protectowire PWSC)	28.79	
28 46 31 11-0011	EA	Cable Tray Clip For Linear Heat Detector (Protectowire CC-2N And CC-2W)	9.37	
28 46 31 11-0012	EA	Cable Tray Spring Clip For Linear Heat Detector (Protectowire HPC-2)	9.37	
28 46 31 11-0013	EA	Adhesive Cable Mount For Linear Heat Detector (Protectowire EMS-A-CO)	10.30	
28 46 31 11-0014	EA	Beam Clamp For Linear Heat Detector (Protectowire BC-2)	16.07	
28 46 31 11-0015	EA	Beam Clamp With Polypropylene Clip For Linear Heat Detector (Protectowire BC-3P)	16.74	
28 46 31 11-0016	EA	Pipe Mounting Straps Nylon (3/4" to 2" Pipe) (Protectowire PM-3A)	1.69	
28 46 31 11-0017	EA	Pipe Mounting Straps Nylon (2-1/2" to 3-1/2" Pipe) (Protectowire PM-3B)	2.30	
28 46 31 11-0018	EA	Pipe Mounting Straps Nylon (4" to 6" Pipe) (Protectowire PM-3C).....	10.16	
28 46 41		Fire-Alarm Notification Appliances (28 46)		
28 46 41 11		Audible Fire-Alarm Notification Appliances (28 46 41)		
		See CSI section 28 46 13 31-0000 for fire alarm speakers.		
28 46 41 31		Combination Fire-Alarm Notification Appliances (28 46 41)		
		See CSI section 28 46 13 31-0000 for fire alarm horns and strobes.		
28 47		Mass Notification (28 40)		
28 47 15		Mass Notification Control Panels (28 47)		
28 47 15 00-0001		Central Station Controls (28 47 15)		
28 47 15 00-0002	EA	Desktop 18 Function Base Station Control/Encoder (Whelen E747).....	982.49	
28 47 15 00-0003	EA	Desktop 35 Function Base Station Control/Encoder (Whelen E969).....	1,598.73	
28 47 15 00-0004	EA	Desktop Central Station Control Encoder/Decoder (Whelen E2010).....	4,782.84	58.68
28 47 15 00-0005	EA	Siren Status Printer And Cable Option For E2010 (Whelen E2010P).....	1,458.32	29.35
28 47 15 00-0006	EA	Rack Mounted Central Station Control Encoder/Decoder (Whelen E2010R)	5,566.72	117.37
28 47 15 00-0007	EA	Internal Option To Convert E2010 To FSK Format (Whelen E2010FSK)	808.49	29.35
28 47 15 00-0008	EA	Option To Convert Activation Controls To FSK Format (Whelen FSKCEO)	867.73	29.35
28 47 17		Notification Devices and Methods (28 47)		
28 47 17 17		Notification Appliances and Methods Public Methods (28 47 17)		
28 47 17 17-0001		Voice Capable Omni-Directional Speakers (28 47 17 17)		
28 47 17 17-0002	EA	1 Cell, 109 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2901A)	13,521.86	749.77
		Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0003	EA	2 Cells, 115 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2902A)	16,563.34	782.38
		Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0004	EA	3 Cells, 119 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2903A)	19,567.02	814.97
		Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0005	EA	4 Cells, 121 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2904A)	22,570.69	847.57
		Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0006	EA	5 Cells, 123 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2905A)	25,649.98	880.17
		Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0007	EA	6 Cells, 125 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2906A)	30,808.62	912.77
		Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0008	EA	7 Cells, 126 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2907A)	33,850.09	945.37
		Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0009	EA	8 Cells, 127 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2908A)	37,509.08	977.97
		Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		

28 Electronic Safety and Security**28 40 Life Safety****28 47 Mass Notification**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

28 47 17 17-0010	EA	9 Cells, 128 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2909A) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	40,512.75	1,010.56
28 47 17 17-0011	EA	10 Cells, 129 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2910A) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	43,554.22	1,043.17
28 47 17 17-0012	EA	3 Cells, 127 dB, Voice Capable Rotating Directional Speaker (Whelen WPS4003) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	29,674.43	912.77
28 47 17 17-0013	EA	4 Cells, 129 dB, Voice Capable Rotating Directional Speaker (Whelen WPS4004) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	31,619.52	945.37
28 47 17 17-0014	EA	One-Way Control, 10 Digit DTMF Landline (Whelen D2030LL).....	557.58	29.35
28 47 17 17-0015	EA	VHF High-Band Narrow-Band, One-Way Control, 10 Digit DTMF (Whelen D2030NV)	2,226.24	29.35
28 47 17 17-0016	EA	UHF Narrow-Band, One-Way Control, 10 Digit DTMF (Whelen D2030NU).....	2,226.24	29.35
28 47 17 17-0017	EA	UHF Wide Band, One-Way Control, 10 Digit DTMF (Whelen D2030WU)	2,012.01	29.35
28 47 17 17-0018	EA	VHF High-Band Wide Band, One-Way Control, 10 Digit DTMF (Whelen D2030WV).....	1,949.00	29.35
28 47 17 17-0019	EA	Two-Tone Sequential Option (Whelen WPSTT)	514.72	29.35
28 47 17 17-0020	EA	Full Function Auxiliary/Status Board For Contact Closure Activation (Two Way) (Whelen AUXCS).....	661.17	29.35
28 47 17 17-0021	EA	Landline, 10 Digit DTMF (Whelen C2030LL)	687.37	29.35
28 47 17 17-0022	EA	VHF High-Band Narrow-Band, Two-Way Control, 10 Digit DTMF (Whelen C2030NV)	3,173.20	29.35
28 47 17 17-0023	EA	UHF Narrow-Band, Two-Way Control, 10 Digit DTMF (Whelen C2030NU).....	2,440.48	29.35
28 47 17 17-0024	EA	UHF Wide-Band, 10 Digit DTMF (Whelen C2030WU).....	2,440.48	29.35
28 47 17 17-0025	EA	VHF High-Wide Band, 10 Digit DTMF (Whelen C2030WV).....	2,440.48	29.35
28 47 17 17-0026	EA	Option To Convert WPS Activation Controls To FSK Format (Whelen FSKXMOD)	867.73	29.35
28 47 17 17-0027	EA	Cabinet Window LED Status Indicator (Whelen STATUS)	600.21	29.35
28 47 17 17-0028	EA	Paging Interface Whelen Tones With Existing In-Plant Systems (Whelen PGINT).....	421.84	29.35
28 47 17 17-0029	EA	Intrusion Alarm (Whelen INTRUWPS)	318.25	29.35
28 47 17 17-0030	EA	Custom Pre-Recorded Messages (One Time Set-Up Charge Per Message) (Whelen MSGPROG).....	227.42	
28 47 17 17-0031	EA	Whelen Library Messages (Whelen MSGPROGL)	45.54	
28 47 17 17-0032	EA	Noise Cancelling Microphone Includes Local Microphone Input Harness (Whelen WPSNCMIC)	168.82	29.35
28 47 17 17-0033	EA	One Pair Of Whelen Approved Batteries (Whelen WPSBATT).....	1,136.52	44.01
28 47 17 17-0034	EA	WPS And OA Series, Rooftop Mounted (Whelen RTM)	10,543.39	717.18
28 47 17 17-0035	EA	Two 80 Watt Panels, Solar Power System (Whelen SBC280)..... Note: Includes mounting bracket and regulator.	4,473.00	176.06
28 47 17 17-0036	EA	Amber, 6 LED Lights For The Base Of WPS Series (Whelen VALERTA)	2,280.80	44.01
28 47 17 17-0037	EA	Blue, 6 LED Lights For The Base Of WPS Series (Whelen VALERTB).....	2,280.80	44.01
28 47 17 17-0038	EA	Clear, 6 LED Lights For The Base Of WPS Series (Whelen VALERTC).....	2,280.80	44.01
28 47 17 17-0039	EA	Green, 6 LED Lights For The Base Of WPS Series (Whelen VALERTG).....	2,280.80	44.01
28 47 17 17-0040	EA	Red, 6 LED Lights For The Base Of WPS Series Products (Whelen VALERTR).....	2,280.80	44.01
28 47 17 17-0041	EA	Amber, 24 Volt DC, LED, Beacon (Whelen L31HAF4)	835.79	44.01
28 47 17 17-0042	EA	Blue, 24 Volt DC, LED, Beacon (Whelen L31HBF4).....	835.79	44.01
28 47 17 17-0043	EA	Red, 24 Volt DC, LED, Beacon (Whelen L31HRF4).....	835.79	44.01
28 47 17 17-0044	EA	Amber, 24 Volt DC, Strobe (Whelen ISB24A).....	651.23	44.01
28 47 17 17-0045	EA	Blue, 24 Volt DC, Strobe (Whelen ISB24B)	651.23	44.01
28 47 17 17-0046	EA	Clear, 24 Volt DC, Strobe (Whelen ISB24C).....	651.23	44.01
28 47 17 17-0047	EA	Green, 24 Volt DC, Strobe (Whelen ISB24G).....	651.23	44.01
28 47 17 17-0048	EA	Red, 24 Volt DC, Strobe (Whelen ISB24R).....	651.23	44.01
28 47 17 17-0049	EA	Strobe/LED Controller With Mounting Plate, Hardware And Harnessing For ISB24 (Whelen SCWPS)	881.60	29.35
28 47 17 17-0050	EA	Strobe Controller (Whelen STCTRL)	693.32	29.35
28 47 17 17-0051	EA	LED Controller (Whelen LEDCTRL).....	693.32	29.35
28 47 17 17-0052	EA	Speaker Driver Handle/Plate Assembly Only (Less Speaker Driver) (Whelen EZ-PULL).....	421.28	44.01
28 47 17 17-0053	EA	Siren Diagnostic and Programming Software In CD Format (Whelen SDPTS)	558.62	
28 47 17 17-0054	EA	400 Watt Speaker Driver (Whelen SPKDRV)	964.80	29.35
28 47 17 17-0055	EA	Cabinet Window LED Status Indicator (Whelen STATUS)	480.19	29.35
28 47 17 17-0056	EA	Noise Cancelling Microphone Option For Encoder (Whelen WPSMIC).....	168.82	29.35
28 47 17 17-0057	EA	Notifier/Whelen Interface Board (Whelen NAUXCS)	954.09	29.35

28 47 17 17-0058 Tone Only, Omni-Alert Sirens (28 47 17 17)

28 47 17 17-0059	EA	One Cell, Tone Only, Omni-Alert Siren (Whelen OA1) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	10,883.65	717.18
28 47 17 17-0060	EA	Two Cell, Tone Only, Omni-Alert Siren (Whelen OA2) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	13,647.88	749.77
28 47 17 17-0061	EA	Three Cell, Tone Only, Omni-Alert Siren (Whelen OA3)..... Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	16,386.91	782.38
28 47 17 17-0062	EA	Four Cell, Tone Only, Omni-Alert Siren (Whelen OA4)..... Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	19,188.95	814.97
28 47 17 17-0063	EA	One Way Controls, Auxiliary Board For Contact Closure Activation (Whelen OAUXIN).....	313.24	29.35
28 47 17 17-0064	EA	One Way Landline Activation, 10 Digit DTMF (Whelen OD2030LL)	557.58	29.35
28 47 17 17-0065	EA	VHF High-Narrow Band, 10 Digit DTMF (Whelen OD2030NV)	2,226.24	29.35
28 47 17 17-0066	EA	UHF Narrow-Band, 10 Digit DTMF (Whelen OD2030NU)	2,226.24	29.35
28 47 17 17-0067	EA	UHF Wide-Band, 10 Digit DTMF (Whelen OD2030WU).....	2,012.01	29.35
28 47 17 17-0068	EA	VHF High-Wide Band, 10 Digit DTMF (Whelen OD2030WV).....	1,949.00	29.35
28 47 17 17-0069	EA	One-Way Control Two-Tone Sequential Option (Whelen OTT)	448.04	29.35
28 47 17 17-0070	EA	Two Way Controls, Contact Closure Activation Board (Whelen OAUXCS)	696.35	29.35
28 47 17 17-0071	EA	Two Way Landline Activation (Whelen OC2030LL).....	724.07	29.35
28 47 17 17-0072	EA	VHF High-Narrow Band, 10 Digit DTMF (Whelen OC2030NV)	2,440.48	29.35
28 47 17 17-0073	EA	UHF Narrow-Band, 10 Digit DTMF (Whelen OC2030NU)	2,440.48	29.35
28 47 17 17-0074	EA	UHF, 10 Digit DTMF (Whelen OC2030WU).....	2,440.48	29.35
28 47 17 17-0075	EA	VHF High Band, 10 Digit DTMF (Whelen OC2030WV).....	2,440.48	29.35
28 47 17 17-0076	EA	Converts The Omni-Alert Siren Activation Controls To FSK Format (Whelen OFSKXMOD).....	867.73	29.35
28 47 17 17-0077	EA	Paging Interface To Interface Whelen Tones With Existing In-Plant Systems (Whelen OPGINT).....	421.84	29.35
28 47 17 17-0078	EA	Cabinet Window LED Status Indicator (Whelen OSTATUS).....	480.19	29.35
28 47 17 17-0079	EA	Intrusion Alarm (Whelen OINTRU)	253.95	29.35
28 47 17 17-0080	EA	80 Watt Solar Power Option (Whelen OSBC280).....	4,473.00	176.06
28 47 17 17-0081	EA	One Pair Of Whelen Approved Batteries For OmniaAlert (Whelen BSETO).....	978.67	44.01

28 47 17 17-0082 Tone-Only Rotating Directional Speakers (28 47 17 17)

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 47 17 17-0083 EA 3 Cells, 127 dB, Tone-Only Rotating Directional Speaker (Whelen VORTEXR3) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	22,822.73	847.57
28 47 17 17-0084 EA 4 Cells, 129 dB, Tone-Only Rotating Directional Speaker (Whelen VORTEXR4) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	24,213.34	880.17
28 47 17 17-0085 EA Limited Function Auxiliary Board For Contact Closure Activation (Whelen VAUXIN)	299.20	29.35
28 47 17 17-0086 EA Landline, 10 Digit DTMF (Whelen VD2030LL)	586.71	29.35
28 47 17 17-0087 EA VHF High-Narrow Band, 10 Digit DTMF (Whelen VD230NV)	2,226.24	29.35
28 47 17 17-0088 EA UHF Narrow-Band, 10 Digit DTMF (Whelen VD230NU)	2,226.24	29.35
28 47 17 17-0089 EA UHF Wide-Band, 10 Digit DTMF (Whelen VD230WU)	2,012.01	29.35
28 47 17 17-0090 EA VHF High-Wide Band, 10 Digit DTMF (Whelen VD230WV)	1,949.00	29.35
28 47 17 17-0091 EA Two-Tone Sequential Option (Order One-Way Control Option, Above, VD2020LI, VD2020H, VD2020U) (Whelen VORTT)	448.04	29.35
28 47 17 17-0092 EA Full Function Auxiliary/Status Control Board For Contact Closure Activation (Whelen VAUXCS)	682.48	29.35
28 47 17 17-0093 EA Landline, 10 Digit DTMF (Whelen VC2030LL)	724.07	29.35
28 47 17 17-0094 EA VHF High-Narrow Band, 10 Digit DTMF (Whelen VC230NV)	2,440.48	29.35
28 47 17 17-0095 EA UHF Narrow-Band, 10 Digit DTMF (Whelen VC230NU)	2,440.48	29.35
28 47 17 17-0096 EA UHF, 10 Digit DTMF (Whelen VC230WU)	2,440.48	29.35
28 47 17 17-0097 EA VHF High Band, 10 Digit DTMF (Whelen VC230WV)	2,440.48	29.35
28 47 17 17-0098 EA Option To Convert The Vortex Activation Controls To FSK Format (Whelen VFSKXMOD)	867.73	29.35
28 47 17 17-0099 EA Cabinet Window LED Status Indicator (Whelen VSTATUS)	504.79	29.35
28 47 17 17-0100 EA Paging Interface To Interface Whelen Tones With Existing In-Plant Systems (Whelen VPGINT)	421.84	29.35
28 47 17 17-0101 EA Vortex Intrusion Alarm (Whelen VINTRU)	253.95	29.35
28 47 17 17-0102 EA Speaker Pole Top Bracket (Whelen VPTB)	696.35	29.35
28 47 17 17-0103 EA 80 Watt Solar Power Option (Whelen VSBC280)	4,473.00	176.06
28 47 17 17-0104 EA One Pair Of Whelen Approved Batteries For Vortex Series (Whelen BSETVOR)	978.67	44.01
28 47 17 17-0105 EA Program Charge For Custom VROM Message (Whelen VPROG)	3,714.05	
28 47 17 17-0106 Uni-Directional Rotating Speakers (28 47 17 17)		
28 47 17 17-0107 EA 118 dB, Uni-Directional Rotating Speaker (Whelen HORNET)	14,479.62	749.77
28 47 17 17-0108 EA One Way Contact Closure Activation Control Board (Whelen HAUXIN)	299.20	29.35
28 47 17 17-0109 EA Landline, One Way Control, 10 Digit DTMF (Whelen HD2030LL)	586.71	29.35
28 47 17 17-0110 EA VHF High-Narrow Band, One Way Control, 10 Digit DTMF (Whelen HD230NV)	2,226.24	29.35
28 47 17 17-0111 EA UHF Narrow-Band, One Way Control, 10 Digit DTMF (Whelen HD230NU)	2,226.24	29.35
28 47 17 17-0112 EA UHF Wide-Band, One Way Control, 10 Digit DTMF (Whelen HD230WU)	2,012.01	29.35
28 47 17 17-0113 EA VHF High-Wide Band, One Way Control, 10 Digit DTMF (Whelen HD230WV)	1,949.00	29.35
28 47 17 17-0114 EA Two-Tone Sequential Option For Hornet (Whelen HORTT)	470.77	29.35
28 47 17 17-0115 EA Two Way Contact Closure Activation And Status Control Board (Whelen HAUXCS)	648.08	29.35
28 47 17 17-0116 EA Landline, Two Way Control, 10 Digit DTMF (Whelen HC2030LL)	687.37	29.35
28 47 17 17-0117 EA VHF High-Narrow Band, Two Way Control, 10 Digit DTMF (Whelen HC230NV)	2,440.48	29.35
28 47 17 17-0118 EA UHF Narrow-Band, Two Way Control, 10 Digit DTMF (Whelen HC230NU)	2,440.48	29.35
28 47 17 17-0119 EA UHF, Two Way Control, 10 Digit DTMF (Whelen HC230WU)	2,440.48	29.35
28 47 17 17-0120 EA VHF High Band, Two Way Control, 10 Digit DTMF (Whelen HC230WV)	2,440.48	29.35
28 47 17 17-0121 EA Converts Siren Activation Controls To FSK Format (Whelen HFSKXMOD)	867.73	29.35
28 47 17 17-0122 EA LED Status Indicator (Whelen HSTATUS)	480.19	29.35
28 47 17 17-0123 EA Option For Paging Interface (Whelen HPGINT)	421.84	29.35
28 47 17 17-0124 EA Intrusion Alarm (Whelen HINTRU)	253.95	29.35
28 47 17 17-0125 EA Solar Power Option (Whelen HSBC280)	4,473.00	176.06
28 47 17 17-0126 EA Pole Top Bracket For Speaker (Whelen HPTB)	683.80	29.35
28 47 17 17-0127 EA One Pair Of Whelen Approved Batteries (Whelen BSETF)	978.67	44.01
28 47 17 17-0128 All Hazard In-Plant Personnel Warning System (28 47 17 17)		
28 47 17 17-0129 EA 400 Watt, Voice Capable, In-Plant Personnel Warning System (Whelen IPS400)	7,221.25	938.97
28 47 17 17-0130 EA 800 Watt, Voice Capable, In-Plant Personnel Warning System (Whelen IPS800)	8,779.21	1,056.35
28 47 17 17-0131 EA 15 Watt, Wide Angle Speaker (Whelen WS15T)	425.00	44.01
28 47 17 17-0132 EA Recess Mounted, 15 Watt Speaker (Whelen WS15TR)	405.95	44.01
28 47 17 17-0133 EA With Grill, Recess Mounted, 15 Watt Speaker (Whelen WS15TEN)	786.97	44.01
28 47 17 17-0134 EA 30 Watt, Wide Angle Speaker (Whelen WS30T)	533.35	44.01
28 47 17 17-0135 EA 60 Watt, Wide Angle Speaker (Whelen WS60T)	1,090.60	44.01
28 47 17 17-0136 EA Explosion-Proof, 60 Watt, Wide Angle Speaker (Whelen WSXPL6T)	1,775.85	49.88
28 47 17 17-0137 EA 100 Watt, Wide Angle Speaker (Whelen WS100)	690.52	44.01
28 47 17 17-0138 EA Weatherproof Housing, 100 Watt, Wide Angle Speaker (Whelen WS100TCH)	1,083.29	49.88
28 47 17 17-0139 EA Intrusion Alarm For Whelen Outdoor Speaker Cabinets (Whelen INTRU)	253.95	29.35
28 47 17 17-0140 Firehouse Siren (28 47 17 17)		
28 47 17 17-0141 EA Auxiliary Board Contact Closure (Whelen FAUXIN)	299.20	29.35
28 47 17 17-0142 EA Two-Tone Sequential Option (Whelen FTT)	448.04	29.35
28 47 17 17-0143 EA Auxiliary/Status Control Board (Whelen FAUXCS)	682.48	29.35
28 47 17 17-0144 EA Landline, 10 Digit DTMF (Whelen FC2030LL)	687.37	29.35
28 47 17 17-0145 EA VHF High-Narrow Band, 10 Digit DTMF (Whelen FC230NV)	2,440.48	29.35
28 47 17 17-0146 EA UHF Narrow-Band, 10 Digit DTMF (Whelen FC230NU)	2,440.48	29.35
28 47 17 17-0147 EA UHF, 10 Digit DTMF (Whelen FC230WU)	2,440.48	29.35
28 47 17 17-0148 EA VHF High Band, 10 Digit DTMF (Whelen FC230WV)	2,440.48	29.35
28 47 17 17-0149 EA Paging Interface Control Option (Whelen FPGINT)	421.84	29.35
28 47 17 17-0150 EA Intrusion Alarm Control Option (Whelen FINTRU)	253.95	29.35
28 47 17 17-0151 EA Solar Power Option (Whelen FSBC280)	4,473.00	176.06
Note: Two 80 watt panels, with brackets and solar regulator.		
28 47 17 17-0152 Alert Monitor And Message Display (28 47 17 17)		
28 47 17 17-0153 EA Alert Monitor With Radio Receiver VHF High Band (Whelen V2000H)	2,037.21	29.35
28 47 17 17-0154 EA Alert Monitor VHF High-Narrow Band (Whelen V2000NH)	2,037.21	29.35
28 47 17 17-0155 EA Alert Monitor UHF Narrow-Band (Whelen V2000NU)	2,037.21	29.35

28 Electronic Safety and Security**28 40 Life Safety****28 47 Mass Notification**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

28 47 17 17-0156	EA	Alert Monitor With Radio Receiver UHF (Whelen V2000U).....	2,037.21	29.35
28 47 17 17-0157	EA	Internal Battery And Charger For VA2000 Series (Whelen VA2BATT).....	263.06	44.01
28 47 17 17-0158	EA	Mounting Bracket For Under Cabinet Or Vehicle Mounting - VA2000 Series (Whelen VA2MTG).....	71.78	29.35
28 47 17 17-0159	EA	Factory Programming Of 1 To 15 VA2000 Display Messages (Whelen VA2PROGA).....	169.08	
28 47 17 17-0160	EA	Factory Programming Of 16 To 45 VA2000 Display Messages (Whelen VA2PROGB).....	265.53	

28 47 17 17-0161 Portable Test Set (28 47 17 17)

28 47 17 17-0162	EA	VHF High Band, Portable Test Set (Whelen PT2010H).....	8,229.17	
28 47 17 17-0163	EA	VHF Low Band, Portable Test Set (Whelen PT2010L).....	8,229.17	
28 47 17 17-0164	EA	UHF, Portable Test Set (Whelen PT2010U).....	8,229.17	

28 47 17 17-0165 Replacement Warning Lights (28 47 17 17)

28 47 17 17-0166	EA	Amber, Incandescent, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024IA).....	417.76	46.95
28 47 17 17-0167	EA	Blue, Incandescent, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024IB).....	417.76	46.95
28 47 17 17-0168	EA	Clear, Incandescent, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024IC).....	417.76	46.95
28 47 17 17-0169	EA	Green, Incandescent, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024IG).....	417.76	46.95
28 47 17 17-0170	EA	Red, Incandescent, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024IR).....	417.76	46.95
28 47 17 17-0171	EA	Amber, Incandescent, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120IA).....	449.91	46.95
28 47 17 17-0172	EA	Blue, Incandescent, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120IB).....	289.16	46.95
28 47 17 17-0173	EA	Clear, Incandescent, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120IC).....	445.15	46.95
28 47 17 17-0174	EA	Green, Incandescent, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120IG).....	445.15	46.95
28 47 17 17-0175	EA	Red, Incandescent, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120IR).....	445.15	46.95
28 47 17 17-0176	EA	Amber, Halogen, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024HA).....	417.76	46.95
28 47 17 17-0177	EA	Blue, Halogen, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024HB).....	417.76	46.95
28 47 17 17-0178	EA	Clear, Halogen, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024HC).....	417.76	46.95
28 47 17 17-0179	EA	Green, Halogen, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024HG).....	417.76	46.95
28 47 17 17-0180	EA	Red, Halogen, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024HR).....	417.76	46.95
28 47 17 17-0181	EA	Amber, Halogen, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120HA).....	468.96	46.95
28 47 17 17-0182	EA	Blue, Halogen, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120HB).....	468.96	46.95
28 47 17 17-0183	EA	Clear, Halogen, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120HC).....	301.07	46.95
28 47 17 17-0184	EA	Green, Halogen, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120HG).....	301.07	46.95
28 47 17 17-0185	EA	Red, Halogen, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120HR).....	301.07	46.95

28 47 17 17-0186 Antenna (28 47 17 17)

28 47 17 17-0187	EA	50' Antenna Cable (Honeywell Ademco 7626-50HC).....	313.19	
28 47 17 17-0188	EA	External/Remote Weatherproof Antenna (Honeywell Ademco GSM-ANT3DB).....	274.21	
28 47 17 17-0189	EA	80GHz Millimeter Wave Radio (BridgeWave Flex4G-1000).....	15,533.49	

28 47 21 Mass Notification System Interfaces (28 47)**28 47 21 21 Notification Interfaces to Fire Detection and Alarm** (28 47 21)**28 47 21 21-0001 Emergency Command Center (Honeywell Fire-Lite)** (28 47 21 21)

28 47 21 21-0002	EA	Emergency Command Center Multipurpose Emergency Voice Evacuation Panels (Fire-Lite ECC-50/100(E)).....	2,610.58	293.43
28 47 21 21-0003	EA	Circuit Expander Module (Fire-Lite ECC_CE6).....	511.53	23.47
28 47 21 21-0004	EA	25V, 50 Watt Audio Amplifier Module (Fire-Lite ECC_50W_25V).....	448.35	29.35
28 47 21 21-0005	EA	75V, 50 Watt Audio Amplifier Module (Fire-Lite ECC_50W_70V).....	462.41	29.35
28 47 21 21-0006	EA	70V Transformer Conversion Module (Fire-Lite ECC_XRM_70V).....	235.98	29.35
28 47 21 21-0007	EA	Local Operator Console (Fire-Lite ECC-LOC).....	1,413.11	58.68
28 47 21 21-0008	EA	Remote Page Unit Hand Held Microphone (Fire-Lite ECC-RPU).....	1,123.22	14.67
28 47 21 21-0009	EA	Distributed (Remote) Audio Amplifier, 50 Watts (Fire-Lite ECC-50DA).....	1,072.84	58.68
28 47 21 21-0010	EA	Distributed (Remote) Audio Amplifier, 125 Watts (Fire-Lite ECC-125DA).....	1,854.81	58.68
28 47 21 21-0011	EA	Distributed (Remote) Audio Amplifier With Backup, 50/100 Watts (Fire-Lite ECC50BDA).....	2,948.83	58.68
28 47 21 21-0012	EA	100 Watt Primary / 50 Watt Back-up Remote Amplifier Expander Card (Fire-Lite ECC-50WBU).....	1,445.09	29.35
28 47 21 21-0013	EA	Distributed Audio Speaker Circuit/Zone Expander Module (Fire-Lite ECC-CE4).....	443.21	29.35
28 47 21 21-0014	EA	Addressable Mini-Monitor Module (Fire-Lite MMF-301).....	100.69	29.35
28 47 21 21-0015	EA	Thumb Latch (Fire-Lite THUMBLTCH).....	56.49	11.74
28 47 21 21-0016	EA	25-120 Ampere-Hours (AH) Battery Charger (Fire-Lite CHG-120F).....	808.31	11.74
28 47 21 21-0017	EA	Replacement Microphone (Fire-Lite ECC-MICROPHONE).....	165.52	11.74
28 47 21 21-0018	EA	12 Volt, 7 Ampere-Hour (AH) Battery (Fire-Lite BAT-1270).....	306.23	29.35
28 47 21 21-0019	EA	12 Volt, 12 Ampere-Hour (AH) Battery (Fire-Lite BAT-12120).....	394.69	29.35
28 47 21 21-0020	EA	12 Volt, 18 Ampere-Hour (AH) Battery (Fire-Lite BAT-12180).....	291.87	29.35

28 49 Electronic Personal Protection Systems (28 49)**28 49 11 Electronic Personal Safety Detection Systems** (28 49)**28 49 11 00-0001 Personnel Alarm Locating System** (28 49 11)

Note: Includes a central computer, 17" VGA color monitor, keyboard and mouse, personal alarm locating software, a printer, interface cards and panels, eighty (80) personal alarm transmitters with lithium batteries, eighty (80) lapel readers, two hundred fifty (250) IR locators, twenty one (21) repeaters and receivers, back boxes, cables.

28 49 11 00-0002	EA	Personnel Alarm Locating System.....	24,370.64	942.09
		Note: Includes Pentium III central computer, 17" VGA color monitor, keyboard and mouse, personal alarm locating software, a printer, interface cards and panels.		
28 49 11 00-0003	EA	Personnel Alarm Transmitters With Lithium Batteries.....	194.88	
28 49 11 00-0004	EA	Lapel Reader.....	74.96	
28 49 11 00-0005	EA	IR Locator.....	265.40	35.27
28 49 11 00-0006	EA	Repeaters And Receivers.....	639.90	117.57

Electronic Safety and Security		28	28
Life Safety		28 40	
Electronic Personal Protection Systems		28 49	
MINOR	TOTAL DIRECT	DEMOLITION	
CSI UOM DESCRIPTION	UNIT COST	UNIT COST	

28 49 17 Electronic Personal Safety Emergency Aid Devices (28 49)

28 49 17 00-0001		Electronic Personal Safety Emergency Aid Devices (Edwards Signaling) (28 49 17)		
28 49 17 00-0002		Call For Assistance Kits, Emergency Aid Devices (Edwards Signaling) (28 49 17 00-0001)		
28 49 17 00-0003	EA	Pull Cord Call For Assistance Kit With Strobe/Buzzer, Emergency Aid Devices (Edwards Signaling 7008B-N5) Note: Includes 1 high intensity strobe/buzzer (7007B-N5) and 1 emergency pull cord station (6537).	339.46	70.54
28 49 17 00-0004	EA	Push Button Call For Assistance Kit With Strobe/Horn, Emergency Aid Devices (Edwards Signaling 7005-G5) Note: Includes 1 high intensity strobe/horn (6536-G5), 1 emergency pull cord station (6537), and 1 transformer 592.	403.12	82.30
28 49 17 00-0005	EA	Pull Cord Call For Assistance Kit With Strobe/Horn, Emergency Aid Devices (Edwards Signaling 6538-G5) Note: Includes 1 high intensity strobe/horn (6536-G5), 1 wall mounted push button (620/147-10), and 1 transformer 592.	406.26	82.30
28 49 17 00-0006		Audible/Visual Signaling Devices, Emergency Aid Devices (Edwards Signaling) (28 49 17 00-0001)		
28 49 17 00-0007	EA	High Intensity Strobe/Buzzer, Emergency Aid Devices (Edwards Signaling 7007B-N5)	251.70	44.08
28 49 17 00-0008	EA	High Intensity Strobe/Horn, Emergency Aid Devices (Edwards Signaling 6536-G5)	246.95	35.27
28 49 17 00-0009	EA	Transformer For High Intensity Strobe/Horns, Emergency Aid Devices (Edwards Signaling 592)	110.11	35.27
28 49 17 00-0010	EA	1 Lamp, Dome Station, Emergency Aid Devices (Edwards Signaling 7641-1N5)	198.36	35.27
28 49 17 00-0011	EA	2 Lamp, Dome Station, Emergency Aid Devices (Edwards Signaling 7641-2N5)	229.92	35.27
28 49 17 00-0012	EA	4 Lamp, Dome Station, Emergency Aid Devices (Edwards Signaling 7641-4G5)	262.66	35.27
28 49 17 00-0013	EA	2 Lamp, Dome Station/Buzzer, Emergency Aid Devices (Edwards Signaling 7633-2)	367.92	35.27
28 49 17 00-0014	EA	4 Lamp, Dome Station/Buzzer, Emergency Aid Devices (Edwards Signaling 7633-4)	413.21	35.27
28 49 17 00-0015		Call Activation Devices, Emergency Aid Devices (Edwards Signaling) (28 49 17 00-0001)		
28 49 17 00-0016	EA	Double Pole Single Throw Switch, Pull Cord Station With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 6537)	149.71	35.27
28 49 17 00-0017	EA	Pushbutton Wall Station/Indicator Lamp With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7603E)	224.92	35.27
28 49 17 00-0018	EA	Pushbutton Wall Station/Indicator Lamp With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7613E)	297.54	35.27
28 49 17 00-0019	EA	3 Maintained Contacts, Pull Cord Station With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7302)	325.12	11.76
28 49 17 00-0020	EA	Bedside Wall Station Receptacle, Emergency Aid Devices (Edwards Signaling 7930)	231.64	35.27
28 49 17 00-0021	EA	Bedside Wall Station Receptacle With Lamp, Emergency Aid Devices (Edwards Signaling 7930L)	275.07	35.27
28 49 17 00-0022	EA	Locking Button, Pull Cord Station With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7932L)	472.97	35.27
28 49 17 00-0023	EA	Pendant Push Button, Emergency Aid Devices (Edwards Signaling 7620)	219.70	35.27
28 49 17 00-0024	EA	Single 6' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7675)	274.37	11.76
28 49 17 00-0025	EA	Double 6' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7676)	425.94	11.76
28 49 17 00-0026	EA	Single 15' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7685)	435.26	11.76
28 49 17 00-0027	EA	Double 15' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7686)	574.45	11.76

END OF SECTION 28

28	28	Electronic Safety and Security
	28 40	Life Safety
	28 49	Electronic Personal Protection Systems



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST

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MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

31 Earthwork

31 05 Common Work Results for Earthwork⁽³¹⁾

31 05 13 Soils for Earthwork^(31 05)

Note: Includes delivery up to 15 miles from the closest approved source and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0045 for hauling greater than 15 miles.

31 05 13 00-0001	Fill Material (Loose, Purchased Material) ^(31 05 13)		
	Note: Includes delivery up to 15 miles from the closest approved source, loading and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0045 for hauling greater than 15 miles.		
31 05 13 00-0002	CY Bank Run/Fill Sand	37.91	
	For Up To 8, Add	7.58	
	For >8 To 16, Add	3.79	
	For >48 To 64, Deduct	-2.72	
	For >64 To 96, Deduct	-4.61	
	For >96 To 168, Deduct	-6.51	
	For >168 To 240, Deduct	-7.87	
	For >240, Deduct	-9.22	
31 05 13 00-0003	CY Screened/Washed Filter/Septic Sand	45.32	
	For Up To 8, Add	9.06	
	For >8 To 16, Add	4.53	
	For >48 To 64, Deduct	-3.09	
	For >64 To 96, Deduct	-5.35	
	For >96 To 168, Deduct	-7.62	
	For >168 To 240, Deduct	-9.16	
	For >240, Deduct	-10.71	
31 05 13 00-0004	CY 3/8" Minus, ASTM C33, Screened/Washed Bedding Sand	63.11	
	For Up To 8, Add	12.62	
	For >8 To 16, Add	6.31	
	For >48 To 64, Deduct	-3.98	
	For >64 To 96, Deduct	-7.13	
	For >96 To 168, Deduct	-10.29	
	For >168 To 240, Deduct	-12.28	
	For >240, Deduct	-14.26	
31 05 13 00-0005	CY 3/16" Minus, Screened/Washed Concrete Sand	56.44	
	For Up To 8, Add	11.29	
	For >8 To 16, Add	5.64	
	For >48 To 64, Deduct	-3.64	
	For >64 To 96, Deduct	-6.46	
	For >96 To 168, Deduct	-9.29	
	For >168 To 240, Deduct	-11.11	
	For >240, Deduct	-12.93	
31 05 13 00-0006	CY 3/32" Minus, Screened/Washed Masonry/Mortar Sand	102.41	
	For Up To 8, Add	20.48	
	For >8 To 16, Add	10.24	
	For >48 To 64, Deduct	-5.94	
	For >64 To 96, Deduct	-11.06	
	For >96 To 168, Deduct	-16.18	
	For >168 To 240, Deduct	-19.15	
	For >240, Deduct	-22.12	
31 05 13 00-0007	CY Common Fill, Native Soil/Dirt	40.98	
	For Up To 8, Add	8.20	
	For >8 To 16, Add	4.10	
	For >48 To 64, Deduct	-2.87	
	For >64 To 96, Deduct	-4.92	
	For >96 To 168, Deduct	-6.97	
	For >168 To 240, Deduct	-8.40	
	For >240, Deduct	-9.84	
31 05 13 00-0008	CY Lime Rock Screening	39.06	
	For Up To 8, Add	7.81	
	For >8 To 16, Add	3.91	
	For >48 To 64, Deduct	-2.77	
	For >64 To 96, Deduct	-4.73	
	For >96 To 168, Deduct	-6.68	
	For >168 To 240, Deduct	-8.07	
	For >240, Deduct	-9.45	
31 05 13 00-0009	CY Crushed Lime Rock Maximum 3-1/2"	39.06	
	For Up To 8, Add	7.81	
	For >8 To 16, Add	3.91	
	For >48 To 64, Deduct	-2.77	
	For >64 To 96, Deduct	-4.73	
	For >96 To 168, Deduct	-6.68	
	For >168 To 240, Deduct	-8.07	
	For >240, Deduct	-9.45	
31 05 13 00-0010	CY Sand/Clay	42.12	
	For Up To 8, Add	8.42	
	For >8 To 16, Add	4.21	
	For >48 To 64, Deduct	-2.93	
	For >64 To 96, Deduct	-5.03	
	For >96 To 168, Deduct	-7.14	
	For >168 To 240, Deduct	-8.60	
	For >240, Deduct	-10.07	

31 Earthwork**31 05 Common Work Results for Earthwork****31 05 13 Soils for Earthwork**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

31 05 13 00-0011	CY	Recycled Concrete Aggregate	35.12	
		For Up To 8, Add	7.02	
		For >8 To 16, Add	3.51	
		For >48 To 64, Deduct	-2.58	
		For >64 To 96, Deduct	-4.33	
		For >96 To 168, Deduct	-6.09	
		For >168 To 240, Deduct	-7.38	
		For >240, Deduct	-8.67	
31 05 13 00-0012	CY	Pit Run Clay	58.53	
		For Up To 8, Add	11.71	
		For >8 To 16, Add	5.85	
		For >48 To 64, Deduct	-3.75	
		For >64 To 96, Deduct	-6.67	
		For >96 To 168, Deduct	-9.60	
		For >168 To 240, Deduct	-11.47	
		For >240, Deduct	-13.35	
31 05 13 00-0013	CY	Light Clay / Loam	47.94	
		For Up To 8, Add	9.59	
		For >8 To 16, Add	4.79	
		For >48 To 64, Deduct	-3.22	
		For >64 To 96, Deduct	-5.61	
		For >96 To 168, Deduct	-8.01	
		For >168 To 240, Deduct	-9.62	
		For >240, Deduct	-11.23	
31 05 13 00-0014	CY	Heavy Clay	58.53	
		For Up To 8, Add	11.71	
		For >8 To 16, Add	5.85	
		For >48 To 64, Deduct	-3.75	
		For >64 To 96, Deduct	-6.67	
		For >96 To 168, Deduct	-9.60	
		For >168 To 240, Deduct	-11.47	
		For >240, Deduct	-13.35	

31 05 16 Aggregates for Earthwork (31 05)

See CSI section 01 74 19 00-0045 for hauling greater than 15 miles.

31 05 16 00-0001 Aggregate (Loose, Purchased Material) (31 05 16)

Note: Includes delivery up to 15 miles from the closest approved source, loading and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0045 for hauling greater than 15 miles.

31 05 16 00-0002	CY	#2 Stone Aggregate Fill (1-1/2" To 2-1/2" Clean)	51.93	
		For Up To 8, Add	10.39	
		For >8 To 16, Add	5.19	
		For >48 To 64, Deduct	-3.42	
		For >64 To 96, Deduct	-6.01	
		For >96 To 168, Deduct	-8.61	
		For >168 To 240, Deduct	-10.32	
		For >240, Deduct	-12.03	
31 05 16 00-0003	CY	#3 Stone Aggregate Fill (1" To 2" Clean)	54.01	
		For Up To 8, Add	10.80	
		For >8 To 16, Add	5.40	
		For >48 To 64, Deduct	-3.52	
		For >64 To 96, Deduct	-6.22	
		For >96 To 168, Deduct	-8.92	
		For >168 To 240, Deduct	-10.68	
		For >240, Deduct	-12.44	
31 05 16 00-0004	CY	#4 Stone Aggregate Fill (3/4" To 1-1/2" Clean)	51.93	
		For Up To 8, Add	10.39	
		For >8 To 16, Add	5.19	
		For >48 To 64, Deduct	-3.42	
		For >64 To 96, Deduct	-6.01	
		For >96 To 168, Deduct	-8.61	
		For >168 To 240, Deduct	-10.32	
		For >240, Deduct	-12.03	
31 05 16 00-0005	CY	#5 Stone Aggregate Fill (1/2" To 1" Clean)	55.52	
		For Up To 8, Add	11.10	
		For >8 To 16, Add	5.55	
		For >48 To 64, Deduct	-3.60	
		For >64 To 96, Deduct	-6.37	
		For >96 To 168, Deduct	-9.15	
		For >168 To 240, Deduct	-10.95	
		For >240, Deduct	-12.75	
31 05 16 00-0006	CY	#6 Stone Aggregate Fill (3/8" To 3/4" Clean)	57.64	
		For Up To 8, Add	11.53	
		For >8 To 16, Add	5.76	
		For >48 To 64, Deduct	-3.70	
		For >64 To 96, Deduct	-6.58	
		For >96 To 168, Deduct	-9.47	
		For >168 To 240, Deduct	-11.32	
		For >240, Deduct	-13.17	
31 05 16 00-0007	CY	#56 Stone Aggregate Fill (3/8" To 1")	55.85	
		For Up To 8, Add	11.17	
		For >8 To 16, Add	5.59	
		For >48 To 64, Deduct	-3.61	
		For >64 To 96, Deduct	-6.41	
		For >96 To 168, Deduct	-9.20	
		For >168 To 240, Deduct	-11.00	
		For >240, Deduct	-12.81	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
31 05 16 00-0008	CY		#57 Stone Aggregate Fill (3/8" To 1")	59.55	
			For Up To 8, Add	11.91	
			For >8 To 16, Add	5.96	
			For >48 To 64, Deduct	-3.80	
			For >64 To 96, Deduct	-6.78	
			For >96 To 168, Deduct	-9.75	
			For >168 To 240, Deduct	-11.65	
			For >240, Deduct	-13.55	
31 05 16 00-0009	CY		#67 Or #68 Stone Aggregate Fill (3/16" To 3/4")	53.90	
			For Up To 8, Add	10.78	
			For >8 To 16, Add	5.39	
			For >48 To 64, Deduct	-3.52	
			For >64 To 96, Deduct	-6.21	
			For >96 To 168, Deduct	-8.91	
			For >168 To 240, Deduct	-10.66	
			For >240, Deduct	-12.42	
31 05 16 00-0010	CY		#7 Stone Aggregate Fill (3/8" To 1/2")	54.93	
			For Up To 8, Add	10.99	
			For >8 To 16, Add	5.49	
			For >48 To 64, Deduct	-3.57	
			For >64 To 96, Deduct	-6.31	
			For >96 To 168, Deduct	-9.06	
			For >168 To 240, Deduct	-10.84	
			For >240, Deduct	-12.63	
31 05 16 00-0011	CY		#78 Stone Aggregate Fill (3/32" To 1/2")	55.37	
			For Up To 8, Add	11.07	
			For >8 To 16, Add	5.54	
			For >48 To 64, Deduct	-3.59	
			For >64 To 96, Deduct	-6.36	
			For >96 To 168, Deduct	-9.13	
			For >168 To 240, Deduct	-10.92	
			For >240, Deduct	-12.72	
31 05 16 00-0012	CY		#8 Stone Aggregate Fill (3/32" To 3/8")	57.64	
			For Up To 8, Add	11.53	
			For >8 To 16, Add	5.76	
			For >48 To 64, Deduct	-3.70	
			For >64 To 96, Deduct	-6.58	
			For >96 To 168, Deduct	-9.47	
			For >168 To 240, Deduct	-11.32	
			For >240, Deduct	-13.17	
31 05 16 00-0013	CY		#89 Stone Aggregate Fill (1/16" To 3/8")	58.28	
			For Up To 8, Add	11.66	
			For >8 To 16, Add	5.83	
			For >48 To 64, Deduct	-3.73	
			For >64 To 96, Deduct	-6.65	
			For >96 To 168, Deduct	-9.56	
			For >168 To 240, Deduct	-11.43	
			For >240, Deduct	-13.30	
31 05 16 00-0014	CY		#9 Stone Aggregate Fill (3/32" To 3/16")	57.64	
			For Up To 8, Add	11.53	
			For >8 To 16, Add	5.76	
			For >48 To 64, Deduct	-3.70	
			For >64 To 96, Deduct	-6.58	
			For >96 To 168, Deduct	-9.47	
			For >168 To 240, Deduct	-11.32	
			For >240, Deduct	-13.17	
31 05 16 00-0015	CY		#10 Stone Aggregate Fill (1/16" To 3/16")	58.95	
			For Up To 8, Add	11.79	
			For >8 To 16, Add	5.90	
			For >48 To 64, Deduct	-3.77	
			For >64 To 96, Deduct	-6.72	
			For >96 To 168, Deduct	-9.66	
			For >168 To 240, Deduct	-11.55	
			For >240, Deduct	-13.43	
31 05 16 00-0016	CY		#610 Modified Stone Aggregate Fill (1/16" To 3/4")	58.28	
			For Up To 8, Add	11.66	
			For >8 To 16, Add	5.83	
			For >48 To 64, Deduct	-3.73	
			For >64 To 96, Deduct	-6.65	
			For >96 To 168, Deduct	-9.56	
			For >168 To 240, Deduct	-11.43	
			For >240, Deduct	-13.30	
31 05 16 00-0017	CY		Screenings Stone Aggregate Fill (3/16" Max)	49.02	
			For Up To 8, Add	9.80	
			For >8 To 16, Add	4.90	
			For >48 To 64, Deduct	-3.27	
			For >64 To 96, Deduct	-5.72	
			For >96 To 168, Deduct	-8.17	
			For >168 To 240, Deduct	-9.81	
			For >240, Deduct	-11.45	
31 05 16 00-0018	CY		Over 6" To 12" Stone Aggregate Fill, Random Size	53.20	
			For Up To 8, Add	10.64	
			For >8 To 16, Add	5.32	
			For >48 To 64, Deduct	-3.48	
			For >64 To 96, Deduct	-6.14	
			For >96 To 168, Deduct	-8.80	
			For >168 To 240, Deduct	-10.54	
			For >240, Deduct	-12.28	

31 Earthwork**31 05 Common Work Results for Earthwork****31 05 16 Aggregates for Earthwork**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

31 05 16 00-0019	CY	Over 6" To 12" Graded Stone Aggregate Fill	53.20	
		For Up To 8, Add	10.64	
		For >8 To 16, Add	5.32	
		For >48 To 64, Deduct	-3.48	
		For >64 To 96, Deduct	-6.14	
		For >96 To 168, Deduct	-8.80	
		For >168 To 240, Deduct	-10.54	
		For >240, Deduct	-12.28	
31 05 16 00-0020	CY	3" To 7" Surge Stone Aggregate Fill, Random Size	57.39	
		For Up To 8, Add	11.48	
		For >8 To 16, Add	5.74	
		For >48 To 64, Deduct	-3.69	
		For >64 To 96, Deduct	-6.56	
		For >96 To 168, Deduct	-9.43	
		For >168 To 240, Deduct	-11.27	
		For >240, Deduct	-13.12	
31 05 16 00-0021	CY	3" To 7" Surge Stone Graded Aggregate Fill	60.37	
		For Up To 8, Add	12.07	
		For >8 To 16, Add	6.04	
		For >48 To 64, Deduct	-3.84	
		For >64 To 96, Deduct	-6.86	
		For >96 To 168, Deduct	-9.88	
		For >168 To 240, Deduct	-11.80	
		For >240, Deduct	-13.72	
31 05 16 00-0022	CY	Crusher Run Aggregate Fill (2-1/2" Minus)	34.44	
		For Up To 8, Add	6.89	
		For >8 To 16, Add	3.44	
		For >48 To 64, Deduct	-2.54	
		For >64 To 96, Deduct	-4.26	
		For >96 To 168, Deduct	-5.99	
		For >168 To 240, Deduct	-7.26	
		For >240, Deduct	-8.53	
31 05 16 00-0023	CY	Crusher Run Aggregate Fill (1-1/2" Minus)	37.72	
		For Up To 8, Add	7.54	
		For >8 To 16, Add	3.77	
		For >48 To 64, Deduct	-2.71	
		For >64 To 96, Deduct	-4.59	
		For >96 To 168, Deduct	-6.48	
		For >168 To 240, Deduct	-7.83	
		For >240, Deduct	-9.19	
31 05 16 00-0024	CY	Crusher Run Aggregate Fill (3/4" Minus)	35.59	
		For Up To 8, Add	7.12	
		For >8 To 16, Add	3.56	
		For >48 To 64, Deduct	-2.60	
		For >64 To 96, Deduct	-4.38	
		For >96 To 168, Deduct	-6.16	
		For >168 To 240, Deduct	-7.46	
		For >240, Deduct	-8.76	
31 05 16 00-0025	CY	Miscellaneous Crushed Base, Processed Concrete, Paving	65.63	
		For Up To 8, Add	13.13	
		For >8 To 16, Add	6.56	
		For >48 To 64, Deduct	-4.10	
		For >64 To 96, Deduct	-7.38	
		For >96 To 168, Deduct	-10.67	
		For >168 To 240, Deduct	-12.72	
		For >240, Deduct	-14.77	

31 05 36 Equipment Delivery, Pickup, Mobilization and Demobilization ⁽³¹⁾

⁽⁰⁵⁾
See CSI section 01 71 13 00-0001 for equipment delivery, pickup, mobilization and demobilization.

31 10 Site Clearing ⁽³¹⁾**31 11 Clearing and Grubbing ^(31 10)****31 11 00 00-0001 Clear And Grub Roots And Stumps ^(31 11)**

Note: Tree diameter (diameter at breast height) is the diameter of the tree trunk measured at 4.5' above ground level. Based on tree density (light, medium or heavy) to be removed. Excludes loading. See CSI section 31 13 13 00-0001 for small areas or individual trees removal.

31 11 00 00-0002	ACR	Clear And Grub Light Trees Up To 6" Diameter, Cut And Chip	7,593.31	
		Note: Includes grub and removal of stump		
31 11 00 00-0003	ACR	Clear And Grub Light Stumps Only Up To 6" Diameter	2,218.18	
31 11 00 00-0004	ACR	Clear And Grub Medium Trees Up To 10" Diameter, Cut And Chip	10,124.41	
		Note: Includes grub and removal of stump		
31 11 00 00-0005	ACR	Clear And Grub Medium Stumps Only Up To 10" Diameter	3,696.96	
31 11 00 00-0006	ACR	Clear And Grub Heavy Trees Up To 16" Diameter, Cut And Chip	13,921.07	
		Note: Includes grub and removal of stump		
31 11 00 00-0007	ACR	Clear And Grub Heavy Stumps Only Up To 16" Diameter	5,545.44	
31 11 00 00-0008	ACR	Clear And Grub Heavy Trees Up To 24" Diameter, Cut And Chip	20,248.82	
		Note: Includes grub and removal of stump		
31 11 00 00-0009	ACR	Clear And Grub Heavy Stumps Only Up To 24" Diameter	7,763.62	
31 11 00 00-0010	ACR	Clearing By Machine - Light Brush Without Grub	341.54	
31 11 00 00-0011	ACR	Clearing By Machine - Medium Brush Without Grub	712.13	
31 11 00 00-0012	ACR	Clearing By Machine - Heavy Brush Without Grub	1,005.49	
31 11 00 00-0013	ACR	Chipping - Light Brush	2,700.32	
31 11 00 00-0014	ACR	Chipping - Medium Brush	3,472.02	
31 11 00 00-0015	ACR	Chipping - Heavy Brush	4,861.28	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 11 00 00-0016		Loading Of Cleared And Grubbed Material (31 11)		
		See CSI section 01 74 19 00-0045 for hauling.		
31 11 00 00-0017	CY	Machine Loading Of Cleared And Grubbed Material	12.08	
31 11 00 00-0018	CY	Chute Loading Of Cleared And Grubbed Material	14.49	
31 11 00 00-0019	CY	Hand Loading Of Cleared And Grubbed Material	40.79	
31 11 00 00-0020	CY	Wheel And Ramp Loading Of Cleared And Grubbed Material	32.05	

31 13 Selective Tree and Shrub Removal and Trimming (31 10)

31 13 13 Selective Tree and Shrub Removal (31 13)

31 13 13 00-0001		Individual Tree Removal (31 13 13)		
		Note: Includes sawing and chipping branches. Tree diameter, D.B.H. (Diameter At Breast Height) is the diameter of the tree trunk measured at 4.5' above ground elevation. Excludes stump removal or grinding.		
31 13 13 00-0002	EA	Up To 6" D.B.H. (Diameter At Breast Height) Tree Removal	632.77	
		Note: Includes cutting up tree, chipping and loading.		
31 13 13 00-0003	EA	>6" To 12" D.B.H. (Diameter At Breast Height) Tree Removal	949.17	
		Note: Includes cutting up tree, chipping and loading.		
31 13 13 00-0004	EA	>12" To 24" D.B.H. (Diameter At Breast Height) Tree Removal	1,265.55	
		Note: Includes cutting up tree, chipping and loading.		
31 13 13 00-0005	EA	>24" To 36" D.B.H. (Diameter At Breast Height) Tree Removal	1,898.33	
		Note: Includes cutting up tree, chipping and loading.		
31 13 13 00-0006	EA	>36" To 48" D.B.H. (Diameter At Breast Height) Tree Removal	2,531.10	
		Note: Includes cutting up tree, chipping and loading.		
31 13 13 00-0007	EA	>48" To 60" D.B.H. (Diameter At Breast Height) Tree Removal	3,163.88	
		Note: Includes cutting up tree, chipping and loading.		
		<i>For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct</i>	-790.97	
31 13 13 00-0008	EA	>60" To 72" D.B.H. (Diameter At Breast Height) Tree Removal	3,796.65	
		Note: Includes cutting up tree, chipping and loading.		
		<i>For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct</i>	-949.16	
31 13 13 00-0009	EA	>72" To 84" D.B.H. (Diameter At Breast Height) Tree Removal	5,062.21	
		Note: Includes cutting up tree, chipping and loading.		
		<i>For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct</i>	-1,265.55	

31 13 13 00-0010		Stump Removal (31 13 13)		
		Note: Measured by diameter of stump.		
31 13 13 00-0011		Stump Removal By Machine (31 13 13 00-0010)		
31 13 13 00-0012	EA	Up To 6" Diameter Stump Removal	110.91	
		Note: Includes excavation necessary to remove stump and loading.		
31 13 13 00-0013	EA	>6" To 12" Diameter Stump Removal	212.58	
		Note: Includes excavation necessary to remove stump and loading.		
31 13 13 00-0014	EA	>12" To 24" Diameter Stump Removal	277.27	
		Note: Includes excavation necessary to remove stump and loading.		
31 13 13 00-0015	EA	>24" To 36" Diameter Stump Removal	415.92	
		Note: Includes excavation necessary to remove stump and loading.		
31 13 13 00-0016	EA	>36" To 48" Diameter Stump Removal	489.88	
		Note: Includes excavation necessary to remove stump and loading.		
31 13 13 00-0017	EA	>48" To 60" Diameter Stump Removal	576.73	
		Note: Includes excavation necessary to remove stump and loading.		
31 13 13 00-0018	EA	>60" To 72" Diameter Stump Removal	683.94	
		Note: Includes excavation necessary to remove stump and loading.		
31 13 13 00-0019	EA	>72" To 84" Diameter Stump Removal	804.09	
		Note: Includes excavation necessary to remove stump and loading.		

31 13 13 00-0020		Stump Removal By Hand (31 13 13 00-0010)		
31 13 13 00-0021	EA	Up To 6" Diameter Stump Removal By Hand	651.73	
		Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.		
31 13 13 00-0022	EA	>6" To 12" Diameter Stump Removal By Hand	814.67	
		Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.		
31 13 13 00-0023	EA	>12" To 24" Diameter Stump Removal By Hand	1,194.85	
		Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.		
31 13 13 00-0024	EA	>24" To 36" Diameter Stump Removal By Hand	1,629.33	
		Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.		
31 13 13 00-0025	EA	>36" To 48" Diameter Stump Removal By Hand	2,172.45	
		Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.		
31 13 13 00-0026	EA	>48" To 60" Diameter Stump Removal By Hand	2,715.55	
		Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.		
31 13 13 00-0027	EA	>60" To 72" Diameter Stump Removal By Hand	3,258.67	
		Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.		
31 13 13 00-0028	EA	>72" To 84" Diameter Stump Removal By Hand	3,801.78	
		Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.		

31 13 13 00-0029		Stump Grinding (31 13 13)		
		Note: Measured by diameter of stump.		

31 Earthwork**31 10 Site Clearing****31 13 Selective Tree and Shrub Removal and Trimming**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

31 13 13 00-0030		Stump Grinding, 18" Deep Below Surface Of Soil (31 13 13 00-0029)	
		Note: Level soil to match existing surface area.	
31 13 13 00-0031	EA	Stump Grinding Up To 6" Tree.....	122.75
		For 24" Depth, Add	24.55
31 13 13 00-0032	EA	Stump Grinding >6" To 12" Tree.....	153.44
		For 24" Depth, Add	30.69
31 13 13 00-0033	EA	Stump Grinding >12" To 15" Tree.....	184.13
		For 24" Depth, Add	36.83
31 13 13 00-0034	EA	Stump Grinding >15" To 18" Tree.....	204.59
		For 24" Depth, Add	40.92
31 13 13 00-0035	EA	Stump Grinding >18" To 21" Tree.....	219.93
		For 24" Depth, Add	43.99
31 13 13 00-0036	EA	Stump Grinding >21" To 24" Tree.....	235.28
		For 24" Depth, Add	47.06
31 13 13 00-0037	EA	Stump Grinding >24" To 27" Tree.....	255.73
		For 24" Depth, Add	51.15
31 13 13 00-0038	EA	Stump Grinding >27" To 30" Tree.....	279.08
		For 24" Depth, Add	55.82
31 13 13 00-0039	EA	Stump Grinding >30" To 33" Tree.....	310.09
		For 24" Depth, Add	62.02
31 13 13 00-0040	EA	Stump Grinding >33" To 36" Tree.....	341.10
		For 24" Depth, Add	68.22
31 13 13 00-0041	EA	Stump Grinding >36" To 42" Tree.....	372.11
		For 24" Depth, Add	74.42
31 13 13 00-0042	EA	Stump Grinding >42" To 48" Tree.....	413.45
		For 24" Depth, Add	82.69
31 13 13 00-0043	EA	Stump Grinding >48" To 60" Tree.....	516.82
		For 24" Depth, Add	103.36
31 13 13 00-0044	EA	Stump Grinding >60" To 72" Tree.....	646.02
		For 24" Depth, Add	129.20
31 13 13 00-0045	EA	Stump Grinding >72" To 84" Tree.....	826.91
		For 24" Depth, Add	165.38

31 13 13 00-0046		Shrub Removal (31 13 13)	
31 13 13 00-0047	EA	Removal Of 18" To 24" Shrub, Broadleaf Evergreen.....	48.81
31 13 13 00-0048	EA	Removal Of 2' To 3' Shrub, Broadleaf Evergreen.....	76.54
31 13 13 00-0049	EA	Removal Of 3' To 4' Shrub, Broadleaf Evergreen.....	88.74
31 13 13 00-0050	EA	Removal Of 4' To 5' Shrub, Broadleaf Evergreen.....	133.13
31 13 13 00-0051	EA	Removal Of 12" To 15" Shrub, Deciduous.....	24.41
31 13 13 00-0052	EA	Removal Of 18" To 24" Shrub, Deciduous.....	37.71
31 13 13 00-0053	EA	Removal Of 2' To 3' Shrub, Deciduous.....	48.81
31 13 13 00-0054	EA	Removal Of 3' To 4' Shrub, Deciduous.....	53.25
31 13 13 00-0055	EA	Removal Of 18" To 24" Shrub, Evergreen.....	48.81
31 13 13 00-0056	EA	Removal Of 24" To 30" Shrub, Evergreen.....	53.25
31 13 13 00-0057	EA	Removal Of 30" To 36" Shrub, Evergreen.....	76.54
31 13 13 00-0058	EA	Removal Of 36" To 42" Shrub, Evergreen.....	133.12

31 13 13 00-0059		Fallen Tree Removal (31 13 13)	
		Note: Includes sawing and chipping branches. Tree diameter, D.B.H. (Diameter At Breast Height) is the diameter of the tree trunk measured at 4.5' above ground elevation. Excludes stump removal or grinding. Excludes removing tree from ground.	
31 13 13 00-0060	EA	Up To 6" D.B.H. (Diameter At Breast Height) Fallen Tree Removal.....	506.22
		Note: Includes cutting up tree, chipping and loading.	
		For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	-126.56
		For >25, Deduct	-63.28
31 13 13 00-0061	EA	>6" To 12" D.B.H. (Diameter At Breast Height) Fallen Tree Removal.....	759.33
		Note: Includes cutting up tree, chipping and loading.	
		For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	-189.83
		For >25, Deduct	-94.92
31 13 13 00-0062	EA	>12" To 24" D.B.H. (Diameter At Breast Height) Fallen Tree Removal.....	1,012.44
		Note: Includes cutting up tree, chipping and loading.	
		For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	-253.11
		For >10, Deduct	-101.24
31 13 13 00-0063	EA	>24" To 36" D.B.H. (Diameter At Breast Height) Fallen Tree Removal.....	1,518.66
		Note: Includes cutting up tree, chipping and loading.	
		For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	-379.67
		For >10, Deduct	-151.87
31 13 13 00-0064	EA	>36" To 48" D.B.H. (Diameter At Breast Height) Fallen Tree Removal.....	2,024.88
		Note: Includes cutting up tree, chipping and loading.	
		For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	-506.22
		For >10, Deduct	-202.49
31 13 13 00-0065	EA	>48" To 60" D.B.H. (Diameter At Breast Height) Fallen Tree Removal.....	2,531.10
		Note: Includes cutting up tree, chipping and loading.	
		For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	-632.78
		For >10, Deduct	-253.11

31 13 16 Selective Tree and Shrub Trimming (31 13)

See CSI section 32 01 90 23-0000 for tree pruning.

31 13 16 00-0001		Tree Trimming For Pole Line Construction And Maintenance (31 13 16)	
		Note: Area to be vertical cleared (including overhanging limbs) is minimum 20' wide (10' each side of structure) and 16' above ground. All materials to 6" D.B.H. (Diameter At Breast Height) to be chipped in place. Larger material may be chipped or disposed. Trees greater than 18" diameter use individual tree removal tasks. Quantity based on running foot of power line to be cleared.	
31 13 16 00-0002	LF	Tree Trimming, Light Cutting To 6" Diameter For Pole Line Construction.....	2.03

		Earthwork	31	15
		Site Clearing	31 10	
		Selective Tree and Shrub Removal and Trimming	31 13	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST
				DEMOLITION UNIT COST

31 13 16 00-0003	LF	Tree Trimming, Medium Cutting >6" To 12" Diameter For Pole Line Construction.....	3.05
31 13 16 00-0004	LF	Tree Trimming, Heavy Cutting >12" To 18" Diameter For Pole Line Construction	3.58

31 13 16 00-0005 Tree Branch Trimming And Removal For Maintenance Along Building Or Structure (31 13 16)

Note: Includes pick-up and placement of cut branches into chipper for removal. Excludes transportation from site or disposal fee. See CSI section 01 22 23 00-0105 for bucket truck where required for additional height.

31 13 16 00-0006	EA	Trim Tree Branch Minimum Charge.....	743.32
Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.			
31 13 16 00-0007	EA	Up To 1" Diameter Branch, Up To 5' Length And Up To 10' From Ground, Trim Tree Branch From Building Or Structure.....	18.58
31 13 16 00-0008	EA	>1" To 2" Diameter Branch, Up To 5' Length And Up To 10' From Ground, Trim Tree Branch From Building Or Structure.....	20.91
31 13 16 00-0009	EA	>2" To 3" Diameter Branch, Up To 5' Length And Up To 10' From Ground, Trim Tree Branch From Building Or Structure.....	25.55
31 13 16 00-0010	EA	Up To 1" Diameter Branch, >5' To 10' Length And Up To 10' From Ground, Trim Tree Branch From Building Or Structure.....	23.23
31 13 16 00-0011	EA	>1" To 2" Diameter Branch, >5' To 10' Length And Up To 10' From Ground, Trim Tree Branch From Building Or Structure.....	26.13
31 13 16 00-0012	EA	>2" To 3" Diameter Branch, >5' To 10' Length And Up To 10' From Ground, Trim Tree Branch From Building Or Structure.....	31.94

31 20 Earth Moving (31)

Note: Per OSHA -Soil Classification - 1926 Subpart P App A. Light material: Class A site material, normally referred to as "easy digging". Consisting of loose, soft, free running materials. Close lying, which will fill blade, digger or bucket to capacity, and frequently provide a heaped load. Materials such as dry sand, small gravel, unpacked earth, loam, etc., would fall into this category. Medium material: Class B site material, normally referred to as "medium and tough, wet and sticky clay would be examples of this medium digging", consisting of harder materials that are not difficult to dig without assistance such as ripping, blasting, etc. Material break up with some bulkiness causing voids in digger or bucket. Materials such as packed earth, common earth with some clay, soil with less than 25% rock content would be examples of this category. Heavy/wet material: Class C site material, normally referred to as "hard digging", consisting of materials which may require some assistance in breaking up. Bulky and somewhat hard to penetrate materials would be found in this category and voids in dipper or bucket would be common. Materials such as very hard packed soil, with up to 50% to 70% rock content and hard category. Soil conditions will be determined by soil analysis to provide appropriate percentage (%) for the various types of soil conditions. Apply the percentages to the various soil types to generate an appropriate representation of the soil condition.

31 22 Grading (31 20)

31 22 13 Rough Grading (31 22)

See CSI section 31 23 16 00-0000 for rough grading.

31 22 16 Fine Grading (31 22)

31 22 16 13 Roadway Subgrade Reshaping (31 22 16)

See CSI section 31 23 16 00-0000 for bulk shaping and grading, 31 24 13 00-0000 for roadway shaping and grading.

31 22 19 Finish Grading (31 22)

31 22 19 13 Spreading and Grading Topsoil (31 22 19)

31 22 19 13-0001 Site Grading For Areas Outside Of Structures And Slabs (31 22 19 13)

Note: Use of bobcat type equipment or hand for finish grading for positive drainage.

31 22 19 13-0002 Hand Digging And Grading (31 22 19 13-0001)

31 22 19 13-0003	SF	Trim And Shape Machine Excavated Area By Hand Finish Grade.....	1.12
31 22 19 13-0004	SF	Trim And Shape Area On Grade By Hand, Finish Grade	1.02
31 22 19 13-0005	SF	Fine Grade Gravel Bedding By Hand Finish Grade	1.06
31 22 19 13-0006	SF	Fine Grade Gravel By Hand Finish Grade	0.89

31 22 19 13-0007 Machine Operations (31 22 19 13-0001)

31 22 19 13-0008 Machine Operations With Grader (31 22 19 13-0007)

31 22 19 13-0009	CSY	Semi-Grade, 2 Passes With Grader	439.90
31 22 19 13-0010	CSY	Fine Grade, 3 Passes With Grader	610.97

31 23 Excavation and Fill (31 20)

31 23 16 Excavation (31 23)

31 23 16 13 Trenching (31 23 16)

Note: Use this section for trenching operations even if the total project volume exceeds 500 CY. Use tasks for work by hand only for areas not accessible by machine.

31 23 16 13-0001 Excavation For Trenching By Machine (31 23 16 13)

Note: Includes stockpiling excess materials and trimming sides and bottom of trench.

31 23 16 13-0002	CY	12" Wide or Less, Excavation for Trenching by Machine in Soil	11.73
For Excavation In Light Material (Class A), Deduct			-1.47
For Excavation In Heavy/Wet Material (Class C), Add			4.69
For Up To 20, Add			11.73
For >20 To 50, Add			8.80
For >50 To 250, Add			4.69
For >250 To 500, Add			1.76
For >1,000, Deduct			-1.76

31 Earthwork**31 20 Earth Moving****31 23 Excavation and Fill**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

31 23 16 13-0003	CY	Over 12" Wide, Excavation for Trenching by Machine in Soil	7.57	
		<i>For Excavation In Light Material (Class A), Deduct</i>	-0.95	
		<i>For Excavation In Heavy/Wet Material (Class C), Add</i>	3.03	
		<i>For Up To 20, Add</i>	7.57	
		<i>For >20 To 50, Add</i>	5.68	
		<i>For >50 To 250, Add</i>	3.03	
		<i>For >250 To 500, Add</i>	1.14	
		<i>For >1,000, Deduct</i>	-1.14	
31 23 16 13-0004	CY	12" Wide or Less, Excavation for Trenching by Machine in Loose Rock	19.42	
		Note: Includes compacted aggregate		
		<i>For Up To 20, Add</i>	19.42	
		<i>For >20 To 50, Add</i>	14.57	
		<i>For >50 To 250, Add</i>	7.77	
		<i>For >250 To 500, Add</i>	2.91	
		<i>For >1,000, Deduct</i>	-2.91	
31 23 16 13-0005	CY	Over 12" Wide, Excavation for Trenching by Machine in Loose Rock	13.44	
		Note: Includes compacted aggregate		
		<i>For Up To 20, Add</i>	13.44	
		<i>For >20 To 50, Add</i>	10.08	
		<i>For >50 To 250, Add</i>	5.38	
		<i>For >250 To 500, Add</i>	2.02	
		<i>For >1,000, Deduct</i>	-2.02	
31 23 16 13-0006		Excavation For Trenching By Hand (31 23 16 13)		
31 23 16 13-0007	CY	Excavation For Trenching By Hand In Soil	134.59	
		Note: Includes stockpiling excess materials and trimming sides and bottom of trench.		
31 23 16 13-0008	CY	Excavation For Trenching By Hand In Loose Rock Or Compacted Aggregate	230.87	
		Note: Includes stockpiling excess materials and trimming sides and bottom of trench.		
31 23 16 13-0009	SF	Trim Bottom Of Excavation Hand Labor	1.05	
		Note: For use with machine excavation.		
31 23 16 13-0010	SF	Trim Slopes/Sides Of Excavation Hand Labor	1.21	
		Note: For use with machine excavation.		
31 23 16 13-0011		Backfilling Or Placing Subbase For Trenches (31 23 16 13)		
		Note: With imported or stockpiled materials.		
31 23 16 13-0012	CY	Backfilling or Placing Subbase for Trenches with Imported or Stockpiled Materials by Machine	4.28	
		<i>For Up To 20, Add</i>	4.28	
		<i>For >20 To 50, Add</i>	3.21	
		<i>For >50 To 250, Add</i>	1.71	
		<i>For >250 To 500, Add</i>	0.64	
		<i>For >1,000, Deduct</i>	-0.64	
31 23 16 13-0013	CY	Backfilling or Placing Subbase for Trenches with Imported or Stockpiled Materials by Hand	37.39	
31 23 16 13-0014		Compaction Of Fill Or Subbase For Trenches (31 23 16 13)		
		Note: Includes restoration of final grade.		
31 23 16 13-0015	CY	Compaction of Fill or Subbase for Trenches by Vibratory Plate, Air Tamper, Etcetera	7.79	
		<i>For Up To 20, Add</i>	7.79	
		<i>For >20 To 50, Add</i>	5.84	
		<i>For >50 To 250, Add</i>	3.12	
		<i>For >250 To 500, Add</i>	1.17	
		<i>For >1,000, Deduct</i>	-1.17	
31 23 16 13-0016	CY	Compaction of Fill or Subbase for Trenches by Hand	42.18	
31 23 16 13-0017		Loading Excess Material For Removal From Excavation For Trenches (31 23 16 13)		
		¹³⁾ Note: Includes handwork by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stockpiling. See CSI section 01 74 19 00-0045 for hauling.		
31 23 16 13-0018	CY	Load Excess Material by Machine for Removal from Excavation for Trenching	7.44	
		<i>For Up To 20, Add</i>	7.44	
		<i>For >20 To 50, Add</i>	5.58	
		<i>For >50 To 250, Add</i>	2.98	
		<i>For >250 To 500, Add</i>	1.12	
		<i>For >1,000, Deduct</i>	-1.12	
31 23 16 13-0019	CY	Load Excess Material by Hand for Removal from Excavation for Trenching	98.69	
31 23 16 13-0020		Spread Excess Or Imported Material For Trenches (31 23 16 13)		
		Note: Includes hand work by laborer for clean-up.		
31 23 16 13-0021	CY	Spread Excess Or Imported Material On Site With Machine	3.58	
		<i>For Up To 20, Add</i>	3.58	
		<i>For >20 To 50, Add</i>	2.69	
		<i>For >50 To 250, Add</i>	1.43	
		<i>For >250 To 500, Add</i>	0.54	
		<i>For >1,000, Deduct</i>	-0.54	
31 23 16 13-0022		Direct Burial (Plowed-in) Cable Or Piping By Machine (31 23 16 13)		
		Note: Includes trench, backfill, compaction and restoration of final grade.		
31 23 16 13-0023	LF	Direct Burial of Cable or Piping up to 12" Deep	2.57	
31 23 16 13-0024	LF	Direct Burial of Cable or Piping >12" to 24" Deep	2.83	
31 23 16 13-0025	LF	Direct Burial of Cable or Piping >24" to 36" Deep	4.02	
31 23 16 13-0026	LF	Direct Burial of Cable or Piping >36" to 48" Deep	4.53	
31 23 16 13-0027		Utility Chain Trencher (31 23 16 13)		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
31 23 16 13-0028			Utility Trench, Chain Trencher (31 23 16 13-0027) Note: Earth left adjacent to trench.		
31 23 16 13-0029	LF		4" Wide, 12" Deep Trench, Medium Soil, Chain Trencher.....	1.46	
			For >100 To 250, Deduct.....	-0.10	
			For >250 To 500, Deduct.....	-0.22	
			For >500, Deduct.....	-0.44	
31 23 16 13-0030	LF		4" Wide, 18" Deep Trench, Medium Soil, Chain Trencher.....	1.60	
			For >100 To 250, Deduct.....	-0.11	
			For >250 To 500, Deduct.....	-0.24	
			For >500, Deduct.....	-0.48	
31 23 16 13-0031	LF		4" Wide, 24" Deep Trench, Medium Soil, Chain Trencher.....	1.66	
			For >100 To 250, Deduct.....	-0.12	
			For >250 To 500, Deduct.....	-0.25	
			For >500, Deduct.....	-0.50	
31 23 16 13-0032	LF		6" Wide, 12" Deep Trench, Medium Soil, Chain Trencher.....	1.75	
			For >100 To 250, Deduct.....	-0.12	
			For >250 To 500, Deduct.....	-0.26	
			For >500, Deduct.....	-0.53	
31 23 16 13-0033	LF		6" Wide, 18" Deep Trench, Medium Soil, Chain Trencher.....	1.92	
			For >100 To 250, Deduct.....	-0.13	
			For >250 To 500, Deduct.....	-0.29	
			For >500, Deduct.....	-0.58	
31 23 16 13-0034	LF		6" Wide, 24" Deep Trench, Medium Soil, Chain Trencher.....	2.18	
			For >100 To 250, Deduct.....	-0.15	
			For >250 To 500, Deduct.....	-0.33	
			For >500, Deduct.....	-0.65	
31 23 16 13-0035	LF		6" Wide, 36" Deep Trench, Medium Soil, Chain Trencher.....	2.62	
			For >100 To 250, Deduct.....	-0.18	
			For >250 To 500, Deduct.....	-0.39	
			For >500, Deduct.....	-0.79	
31 23 16 13-0036	LF		8" Wide, 12" Deep Trench, Medium Soil, Chain Trencher.....	2.47	
			For >100 To 250, Deduct.....	-0.17	
			For >250 To 500, Deduct.....	-0.37	
			For >500, Deduct.....	-0.74	
31 23 16 13-0037	LF		8" Wide, 18" Deep Trench, Medium Soil, Chain Trencher.....	2.91	
			For >100 To 250, Deduct.....	-0.20	
			For >250 To 500, Deduct.....	-0.44	
			For >500, Deduct.....	-0.87	
31 23 16 13-0038	LF		8" Wide, 24" Deep Trench, Medium Soil, Chain Trencher.....	3.31	
			For >100 To 250, Deduct.....	-0.23	
			For >250 To 500, Deduct.....	-0.50	
			For >500, Deduct.....	-0.99	
31 23 16 13-0039	LF		8" Wide, 36" Deep Trench, Medium Soil, Chain Trencher.....	3.93	
			For >100 To 250, Deduct.....	-0.28	
			For >250 To 500, Deduct.....	-0.59	
			For >500, Deduct.....	-1.18	
31 23 16 13-0040			Backfill Trenches With Compaction (31 23 16 13-0027)		
31 23 16 13-0041	LF		Backfill 4" Wide, 12" Deep Trench, With Compaction.....	0.23	
			For >100 To 250, Deduct.....	-0.02	
			For >250 To 500, Deduct.....	-0.03	
			For >500, Deduct.....	-0.07	
31 23 16 13-0042	LF		Backfill 4" Wide, 18" Deep Trench, With Compaction.....	0.36	
			For >100 To 250, Deduct.....	-0.03	
			For >250 To 500, Deduct.....	-0.05	
			For >500, Deduct.....	-0.11	
31 23 16 13-0043	LF		Backfill 4" Wide, 24" Deep Trench, With Compaction.....	0.47	
			For >100 To 250, Deduct.....	-0.03	
			For >250 To 500, Deduct.....	-0.07	
			For >500, Deduct.....	-0.14	
31 23 16 13-0044	LF		Backfill 6" Wide, 12" Deep Trench, With Compaction.....	0.36	
			For >100 To 250, Deduct.....	-0.03	
			For >250 To 500, Deduct.....	-0.05	
			For >500, Deduct.....	-0.11	
31 23 16 13-0045	LF		Backfill 6" Wide, 18" Deep Trench, With Compaction.....	0.47	
			For >100 To 250, Deduct.....	-0.03	
			For >250 To 500, Deduct.....	-0.07	
			For >500, Deduct.....	-0.14	
31 23 16 13-0046	LF		Backfill 6" Wide, 24" Deep Trench, With Compaction.....	0.71	
			For >100 To 250, Deduct.....	-0.05	
			For >250 To 500, Deduct.....	-0.11	
			For >500, Deduct.....	-0.21	
31 23 16 13-0047	LF		Backfill 6" Wide, 36" Deep Trench, With Compaction.....	1.01	
			For >100 To 250, Deduct.....	-0.07	
			For >250 To 500, Deduct.....	-0.15	
			For >500, Deduct.....	-0.30	
31 23 16 13-0048	LF		Backfill 8" Wide, 12" Deep Trench, With Compaction.....	0.47	
			For >100 To 250, Deduct.....	-0.03	
			For >250 To 500, Deduct.....	-0.07	
			For >500, Deduct.....	-0.14	
31 23 16 13-0049	LF		Backfill 8" Wide, 18" Deep Trench, With Compaction.....	0.71	
			For >100 To 250, Deduct.....	-0.05	
			For >250 To 500, Deduct.....	-0.11	
			For >500, Deduct.....	-0.21	
31 23 16 13-0050	LF		Backfill 8" Wide, 24" Deep Trench, With Compaction.....	0.94	
			For >100 To 250, Deduct.....	-0.07	
			For >250 To 500, Deduct.....	-0.14	
			For >500, Deduct.....	-0.28	

31	31	Earthwork
	31 20	Earth Moving
	31 23	Excavation and Fill

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
31 23 16 13-0051	LF Backfill 8" Wide, 36" Deep Trench, With Compaction	1.43			
	For >100 To 250, Deduct	-0.10			
	For >250 To 500, Deduct	-0.21			
	For >500, Deduct	-0.43			
31 23 16 16	Structural Excavation for Minor Structures (31 23 16)				
31 23 16 16-0001	Post Holes (31 23 16 16) Note: Excludes spreading of excess material on site or loading and removal of excavated material from site.				
31 23 16 16-0002	Drilling Post Hole In Soil (31 23 16 16-0001) Note: Auger by machine unless otherwise notified by owner.				
31 23 16 16-0003	VLF Up To 2-1/2" Diameter Hole, Auger By Machine Post Hole In Soil	9.73			
31 23 16 16-0004	VLF 2-1/2" Diameter Hole, Auger By Machine Post Hole In Soil	10.94			
31 23 16 16-0005	VLF 3" Diameter Hole, Auger By Machine Post Hole In Soil	12.97			
31 23 16 16-0006	VLF 4" Diameter Hole, Auger By Machine Post Hole In Soil	14.59			
31 23 16 16-0007	VLF 6" Diameter Hole, Auger By Machine Post Hole In Soil	15.92			
31 23 16 16-0008	VLF 8" Diameter Hole, Auger By Machine Post Hole In Soil	17.51			
31 23 16 16-0009	VLF 10" Diameter Hole, Auger By Machine Post Hole In Soil	19.46			
31 23 16 16-0010	VLF 12" Diameter Hole, Auger By Machine Post Hole In Soil	21.89			
31 23 16 16-0011	VLF 18" Diameter Hole, Auger By Machine Post Hole In Soil	25.01			
31 23 16 16-0012	VLF 24" Diameter Hole, Auger By Machine Post Hole In Soil	29.19			
31 23 16 16-0013	VLF 30" Diameter Hole, Auger By Machine Post Hole In Soil	35.03			
31 23 16 16-0014	VLF 36" Diameter Hole, Auger By Machine Post Hole In Soil	43.78			
31 23 16 16-0015	Drilling Post Hole In Rock (31 23 16 16-0001)				
31 23 16 16-0016	CF Jackhammer Post Hole, Rock	75.10			
31 23 16 16-0017	CF Rock Drill Post Hole, Rock	20.21			
31 23 16 16-0018	Post Hole Fill (31 23 16 16-0001)				
31 23 16 16-0019	Concrete Fill (31 23 16 16-0018)				
31 23 16 16-0020	VLF Concrete Fill, Up To 2-1/2" Diameter Hole	5.81			
31 23 16 16-0021	VLF Concrete Fill, 2-1/2" Diameter Hole	7.47			
31 23 16 16-0022	VLF Concrete Fill, 3" Diameter Hole	8.20			
31 23 16 16-0023	VLF Concrete Fill, 4" Diameter Hole	9.39			
31 23 16 16-0024	VLF Concrete Fill, 6" Diameter Hole	13.22			
31 23 16 16-0025	VLF Concrete Fill, 8" Diameter Hole	17.64			
31 23 16 16-0026	VLF Concrete Fill, 10" Diameter Hole	21.56			
31 23 16 16-0027	VLF Concrete Fill, 12" Diameter Hole	25.12			
31 23 16 16-0028	VLF Concrete Fill, 18" Diameter Hole	34.11			
31 23 16 16-0029	VLF Concrete Fill, 24" Diameter Hole	42.22			
31 23 16 16-0030	VLF Concrete Fill, 30" Diameter Hole	50.09			
31 23 16 16-0031	VLF Concrete Fill, 36" Diameter Hole	58.27			
31 23 16 16-0032	Grout Fill (31 23 16 16-0018)				
31 23 16 16-0033	VLF Grout Fill, Up To 2-1/2" Diameter Hole	6.92			
31 23 16 16-0034	VLF Grout Fill, 2-1/2" Diameter Hole	8.91			
31 23 16 16-0035	VLF Grout Fill, 3" Diameter Hole	9.68			
31 23 16 16-0036	VLF Grout Fill, 4" Diameter Hole	10.85			
31 23 16 16-0037	VLF Grout Fill, 6" Diameter Hole	15.12			
31 23 16 16-0038	VLF Grout Fill, 8" Diameter Hole	20.19			
31 23 16 16-0039	VLF Grout Fill, 10" Diameter Hole	24.59			
31 23 16 16-0040	VLF Grout Fill, 12" Diameter Hole	28.52			
31 23 16 16-0041	VLF Grout Fill, 18" Diameter Hole	38.01			
31 23 16 16-0042	VLF Grout Fill, 24" Diameter Hole	46.32			
31 23 16 16-0043	VLF Grout Fill, 30" Diameter Hole	54.35			
31 23 16 16-0044	VLF Grout Fill, 36" Diameter Hole	62.56			
31 23 16 16-0045	Earth Fill, Compacted (31 23 16 16-0018)				
31 23 16 16-0046	VLF Earth Fill, Up To 2-1/2" Diameter Hole	4.99			
31 23 16 16-0047	VLF Earth Fill, 2-1/2" Diameter Hole	6.50			
31 23 16 16-0048	VLF Earth Fill, 3" Diameter Hole	6.79			
31 23 16 16-0049	VLF Earth Fill, 4" Diameter Hole	6.99			
31 23 16 16-0050	VLF Earth Fill, 6" Diameter Hole	9.34			
31 23 16 16-0051	VLF Earth Fill, 8" Diameter Hole	12.46			
31 23 16 16-0052	VLF Earth Fill, 10" Diameter Hole	14.95			
31 23 16 16-0053	VLF Earth Fill, 12" Diameter Hole	16.95			
31 23 16 16-0054	VLF Earth Fill, 18" Diameter Hole	20.66			
31 23 16 16-0055	VLF Earth Fill, 24" Diameter Hole	23.18			
31 23 16 16-0056	VLF Earth Fill, 30" Diameter Hole	25.42			
31 23 16 16-0057	VLF Earth Fill, 36" Diameter Hole	27.42			
31 23 16 26	Rock Removal (31 23 16)				
31 23 16 26-0001	Rock Breaking By Machine (31 23 16 26) Note: Excludes excavation of broken-up rock.				
31 23 16 26-0002	CY Rock Breaking By Machine, Soft Sedimentary Rocks (Shale, Sandstone, Limestone)	28.61			
31 23 16 26-0003	CY Rock Breaking By Machine, Medium Metamorphic Rock (Slate)	30.51			
31 23 16 26-0004	CY Rock Breaking By Machine, Hard Igneous Rock (Granite, Basalt)	36.24			

		Earthwork	31	CS
		Earth Moving	31 20	
		Excavation and Fill	31 23	
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
		UNIT COST	UNIT COST	

31 23 16 33	Bulk Excavation (31 23 16)		
Note: For excavations where the total quantity for a project is greater than 500 cubic yards. See CSI section 31 05 16 00-0000 for imported material, 31 23 16 36-0000 for less than 500 CY excavation.			
31 23 16 33-0001	Excavation (31 23 16 33)		
Note: For bulk excavation. Includes stockpiling excavated materials within 100' of point of excavation.			
31 23 16 33-0002	CY Bulk Excavation by Dozer in Soil	11.19	
	For Excavation In Light Material (Class A), Deduct	-1.40	
	For Excavation In Heavy/Wet Material (Class C), Add	4.48	
	For >1,000, Deduct	-1.68	
31 23 16 33-0003	CY Bulk Excavation by Hydraulic Excavator, Front End Loader, Backhoe in Soil	6.10	
	For Excavation In Light Material (Class A), Deduct	-0.76	
	For Excavation In Heavy/Wet Material (Class C), Add	2.44	
	For >1,000, Deduct	-0.92	
31 23 16 33-0004	CY Bulk Excavation by Dozer in Loose Rock	13.77	
	Note: Includes compacted aggregate		
	For >1,000, Deduct	-2.07	
31 23 16 33-0005	CY Bulk Excavation by Hydraulic Excavator, Front End Loader, Backhoe in Loose Rock	7.52	
	Note: Includes compacted aggregate		
	For >1,000, Deduct	-1.13	
31 23 16 33-0006	Spreading, Shaping And Rough Grading (31 23 16 33)		
Note: Imported or stockpiled material for bulk excavation.			
31 23 16 33-0007	CY Spreading, Shaping, and Rough Grading Imported or Stockpiled Material for Bulk Excavation by Machine	6.91	
	For >1,000, Deduct	-1.04	
31 23 16 33-0008	Cutting, Shaping and Rough Grading Of Existing Elevations (31 23 16 33)		
31 23 16 33-0009	CY Cutting, Shaping and Rough Grading Existing Elevations For Bulk Excavation by Machine	7.67	
	For >1,000, Deduct	-1.15	
31 23 16 33-0010	Relocating On Site Excavated Material From Excavation (31 23 16 33)		
Note: For bulk excavation.			
31 23 16 33-0011	CY Relocating On Site Excavated Material From Bulk Excavation >100' to 300'	6.14	
	For >1,000, Deduct	-0.92	
31 23 16 33-0012	CY Relocating On Site Excavated Material From Bulk Excavation >300' to 500'	9.21	
	For >1,000, Deduct	-1.38	
31 23 16 33-0013	CY Relocating On Site Excavated Material From Bulk Excavation >500' To 1,000'	13.81	
	For >1,000, Deduct	-2.07	
31 23 16 33-0014	CY Relocating On Site Excavated Material From Bulk Excavation >1,000'	18.41	
	For >1,000, Deduct	-2.76	
31 23 16 33-0015	Finish Grading For Bulk Excavation (31 23 16 33)		
31 23 16 33-0016	SY Finish Grading for Bulk Excavation by Machine	0.77	
31 23 16 33-0017	Compaction Of Fill Or Subbase, Per Lift (31 23 16 33)		
Note: For bulk excavation.			
31 23 16 33-0018	SY Compaction of Fill or Subbase for Bulk Excavation by Machine	0.78	
	Note: Per Lift		
31 23 16 33-0019	Loading Excess Material For Removal From Excavation (31 23 16 33)		
Note: For bulk excavation. Includes handwork by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stockpiling. See CSI section 01 74 19 00-0045 for hauling.			
31 23 16 33-0020	CY Loading Excess Material For Removal From Bulk Excavation	6.10	
	For >1,000, Deduct	-0.92	
31 23 16 36	Excavation for Building Foundations and Other Structures (31 23 16)		
Note: Use of a Bobcat is limited to access restricted areas and by owner's approval. See CSI section 31 05 16 00-0000 for imported material, 31 23 16 33-0000 for bulk excavation operations over 500 CY.			
31 23 16 36-0001	Excavation (31 23 16 36)		
Note: For building foundations and other structures by machine. Includes stockpiling of excess materials on ground in reach of excavated area.			
31 23 16 36-0002	Excavation For Building Foundations And Other Structures By Skid-Steer Loader (31 23 16 36-0001)		
31 23 16 36-0003	CY Excavation For Building Foundations And Other Structures By Skid-Steer Loader In Soil	9.99	
	For Excavation In Light Material (Class A), Deduct	-1.25	
	For Excavation In Heavy/Wet Material (Class C), Add	4.00	
	For Up To 20, Add	9.99	
	For >20 To 50, Add	7.49	
	For >50 To 250, Add	4.00	
	For >250 To 500, Add	1.50	
31 23 16 36-0004	CY Excavation For Building Foundations And Other Structures By Skid-Steer Loader In Loose Rock	12.41	
	Note: Includes compacted aggregate		
	For Up To 20, Add	12.41	
	For >20 To 50, Add	9.31	
	For >50 To 250, Add	4.96	
	For >250 To 500, Add	1.86	

31	31	Earthwork
	31 20	Earth Moving
	31 23	Excavation and Fill

MINOR		TOTAL DIRECT		DEMOLITION
CSI UOM DESCRIPTION		UNIT COST		UNIT COST
31 23 16 36-0005	Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader (31 23 16 36-0001)			
31 23 16 36-0006	CY	Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader in Soil	7.33	
		For Excavation In Light Material (Class A), Deduct	-0.92	
		For Excavation In Heavy/Wet Material (Class C), Add	2.93	
		For Up To 20, Add	7.33	
		For >20 To 50, Add	5.50	
		For >50 To 250, Add	2.93	
		For >250 To 500, Add	1.10	
31 23 16 36-0007	CY	Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader in Loose Rock	8.73	
		Note: Includes compacted aggregate		
		For Up To 20, Add	8.73	
		For >20 To 50, Add	6.55	
		For >50 To 250, Add	3.49	
		For >250 To 500, Add	1.31	
31 23 16 36-0008	Excavation For Building Foundations And Other Structures By Hand (31 23 16 36-0001)			
		Note: For areas not accessible by machine and only with owner's approval.		
31 23 16 36-0009	CY	Excavation For Building Foundations And Other Structures By Hand in Soil.....	134.59	
		For Excavation In Light Material (Class A), Deduct	-16.82	
		For Excavation In Heavy/Wet Material (Class C), Add	53.84	
31 23 16 36-0010	CY	Excavation For Building Foundations And Other Structures By Hand in Loose Rock.....	230.87	
		Note: Includes compacted aggregate		
31 23 16 36-0011	Relocating On Site Excavated Stockpiled Material From Excavation (31 23 16 36)			
		Note: For building foundations and other structures.		
31 23 16 36-0012	CY	Relocating On Site Excavated Stockpiled Material With Dozer From Excavation For Building Foundations and Other Structures >100' to 300'	6.14	
		For Up To 20, Add	6.14	
		For >20 To 50, Add	4.61	
		For >50 To 250, Add	2.46	
		For >250 To 500, Add	0.92	
31 23 16 36-0013	CY	Relocating On Site Excavated Stockpiled Material With Dozer From Excavation For Building Foundations and Other Structures >300' to 500'	9.21	
		For Up To 20, Add	9.21	
		For >20 To 50, Add	6.91	
		For >50 To 250, Add	3.68	
		For >250 To 500, Add	1.38	
31 23 16 36-0014	CY	Relocating On Site Excavated Stockpiled Material With Dozer From Excavation For Building Foundations and Other Structures >500' to 1,000'	13.81	
		For Up To 20, Add	13.81	
		For >20 To 50, Add	10.36	
		For >50 To 250, Add	5.52	
		For >250 To 500, Add	2.07	
31 23 16 36-0015	CY	Relocating On Site Excavated Stockpiled Material With Dozer From Excavation For Building Foundations and Other Structures >1,000'	18.41	
		For Up To 20, Add	18.41	
		For >20 To 50, Add	13.81	
		For >50 To 250, Add	7.36	
		For >250 To 500, Add	2.76	
31 23 16 36-0016	Backfilling (31 23 16 36)			
		Note: For building foundations and other structures with imported or stockpiled materials. Includes rough grading each backfill lift.		
31 23 16 36-0017	CY	Backfilling Around Building Foundations And Other Structures By Skid-Steer Loader	4.92	
		For Up To 20, Add	4.92	
		For >20 To 50, Add	3.69	
		For >50 To 250, Add	1.97	
		For >250 To 500, Add	0.74	
31 23 16 36-0018	CY	Backfilling Around Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader	5.67	
		For Up To 20, Add	5.67	
		For >20 To 50, Add	4.25	
		For >50 To 250, Add	2.27	
		For >250 To 500, Add	0.85	
31 23 16 36-0019	CY	Backfilling Around Building Foundations And Other Structures By Hand	64.09	
31 23 16 36-0020	Compaction Of Fill Or Subbase (31 23 16 36)			
		Note: For building foundations and other structures.		
31 23 16 36-0021	CY	Compaction Of Fill Or Subbase For Building Foundations and Other Structures by Vibratory Plate, Air Tamper, Etcetera	12.36	
		For Up To 20, Add	12.36	
		For >20 To 50, Add	9.27	
		For >50 To 250, Add	4.94	
		For >250 To 500, Add	1.85	
31 23 16 36-0022	CY	Compaction Of Fill Or Subbase For Building Foundations and Other Structures by Hand	42.17	
31 23 16 36-0023	Grading For Building Foundations And Other Structures (31 23 16 36)			
31 23 16 36-0024	SY	Rough Grading For Building Foundations And Other Structures by Machine	1.33	
31 23 16 36-0025	SY	Finish Grading For Building Foundations And Other Structures by Machine	2.13	
31 23 16 36-0026	SY	Finish Grading For Building Foundations And Other Structures by Hand	12.46	

		Earthwork	31	13
		Earth Moving	31 20	
		Excavation and Fill	31 23	
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
		UNIT COST	UNIT COST	

31 23 16 36-0027	Loading Excess Material For Removal From Excavation (31 23 16 36)		
	Note: For building foundations and other structures. Includes hand work by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stockpiling. See CSI section 01 74 19 00-0045 for hauling.		
31 23 16 36-0028	CY Load Excess Material For Removal From Excavation For Building Foundations and Other Structures by Machine	6.35	
	For Up To 20, Add	6.35	
	For >20 To 50, Add	4.76	
	For >50 To 250, Add	2.54	
	For >250 To 500, Add	0.95	
31 23 16 36-0029	CY Load Excess Material For Removal From Excavation For Building Foundations and Other Structures by Hand	98.69	

31 23 16 36-0030	Spread Excess Or Imported Material And Grade On Site (31 23 16 36)		
	Note: For building foundations and other structures.		
31 23 16 36-0031	CY Spread Excess Or Imported Material And Rough Grade On Site By Machine	3.58	
	For Up To 20, Add	3.58	
	For >20 To 50, Add	2.69	
	For >50 To 250, Add	1.43	
	For >250 To 500, Add	0.54	
31 23 16 36-0032	CY Spread Excess Or Imported Material And Rough Grade On Site By Hand	54.46	

31 23 19 Dewatering (31 23)

31 23 19 00-0001	Well Point Dewatering System (31 23 19)		
31 23 19 00-0002	Delivery, Installation And Removal Cost (31 23 19 00-0001)		
	Note: Priced by linear foot of header used.		
31 23 19 00-0003	LF Up To 100' In Length Well Point System Delivery, Installation And Removal	138.67	
31 23 19 00-0004	LF >100' To 250' In Length Well Point System Delivery, Installation And Removal	76.27	
31 23 19 00-0005	LF >250' To 500' In Length Well Point System Delivery, Installation And Removal	69.33	
31 23 19 00-0006	LF >250' To 500' In Length Well Point System Delivery, Installation And Removal	62.40	
31 23 19 00-0007	LF >500' To 1,000' In Length Well Point System Delivery, Installation And Removal	55.47	
31 23 19 00-0008	LF >1,000' In Length Well Point System Delivery, Installation And Removal	48.54	

31 23 19 00-0009	Well Point Dewatering System Rental (31 23 19 00-0001)		
	Note: Includes all necessary equipment for a well point system (well point with risers, pump, valves, header pipe, discharge pipe, etc.). Use normal adjustment factor only for rental tasks and modifiers. Unit of measure and modifier quantities are based on linear feet of header per day (ex. 200' of header for four days - quantity should be 200'x4 or 800'). Rental days include weekends, when appropriate, regardless if the system is operational during that time. Use weekly modifier for system use of five days to less than a month. Use monthly modifier for system use of one month or greater. See CSI section 31 23 19 00-0002 for installation, 31 23 19 00-0015 for operational costs.		
31 23 19 00-0010	LFD Up To 100' In Length Well Point System Rental (LF x Days = Quantity)	3.02	
	For >5 Days And <1 Month, Deduct	-0.66	
	For >1 Month, Deduct	-0.85	
31 23 19 00-0011	LFD >100' To 250' In Length Well Point System Rental (LF x Days = Quantity)	1.76	
	For >5 Days And <1 Month, Deduct	-0.39	
	For >1 Month, Deduct	-0.49	
31 23 19 00-0012	LFD >250' To 500' In Length Well Point System Rental (LF x Days = Quantity)	1.26	
	For >5 Days And <1 Month, Deduct	-0.28	
	For >1 Month, Deduct	-0.35	
31 23 19 00-0013	LFD >500' To 1,000' In Length Well Point System Rental (LF x Days = Quantity)	0.92	
	For >5 Days And <1 Month, Deduct	-0.20	
	For >1 Month, Deduct	-0.26	
31 23 19 00-0014	LFD >1,000' In Length Well Point System Rental (LF x Days = Quantity)	0.84	
	For >5 Days And <1 Month, Deduct	-0.18	
	For >1 Month, Deduct	-0.24	

31 23 19 00-0015	Well Point Dewatering System Operation Costs (31 23 19 00-0001)		
	Note: The quantity for operation shall be the total number of hours the well point system is operational.		
31 23 19 00-0016	HR Operation Costs	125.78	

31 23 23 Fill (31 23)

31 23 23 23 Compaction (31 23 23)

31 23 23 23-0001	Compaction Water, Water Truck And Operator (31 23 23 23)		
31 23 23 23-0002	MGL Compaction Water, Water Truck And Operator	283.03	
	Note: Use this task in situations where earth fill, base material, etc. requires additional moisture to comply with the compaction specification. Includes delivery up to 15 miles. (Per each 1,000 gallons of water)		

31 23 23 33 Flowable Fill (31 23 23)

31 23 23 33-0001	Flowable Fill (Fly Ash) Cement Backfill For Trenches (31 23 23 33)		
	Note: Includes compaction and restoration of final grade.		
31 23 23 33-0002	CY Flowable Fill (Fly Ash) Cement Backfill For Trenches	147.74	
	For Up To 20, Add	60.33	
	For >20 To 50, Add	39.15	
	For >50 To 250, Add	19.58	
	For >500 To 1,000, Deduct	-10.59	
	For >1,000, Deduct	-21.18	

31	31	Earthwork
	31 20	Earth Moving
	31 24	Embankments

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 24 Embankments (31 20)

31 24 13 Roadway Embankments (31 24)

31 24 13 00-0001			Roadway, Parking Areas, Landscaping And Embankment Excavation And Shaping Operations (31 24 13) Note: Use this section for excavation and shaping operations even if the total quantity for the project exceeds 500 CY.		
31 24 13 00-0002			Cutting, Shaping And Rough Grading (31 24 13 00-0001) Note: For roadways, parking areas, landscaping, and embankments. Includes loading or stockpiling excess materials within 300' of initial cut.		
31 24 13 00-0003			Cutting, Shaping, And Rough Grading (31 24 13 00-0002)		
31 24 13 00-0004	CY		Cut, Shape, and Rough Grading for Roadways, Parking Areas, Landscaping and Embankments by Machine in Soil.....	7.67	
			For Up To 20, Add	7.67	
			For >20 To 50, Add	5.75	
			For >50 To 250, Add	3.07	
			For >250 To 500, Add	1.15	
			For >1,000, Deduct	-1.15	
31 24 13 00-0005	CY		Cut, Shape, and Rough Grading for Roadways, Parking Areas, Landscaping and Embankments by Machine in Loose Rock.....	9.51	
			Note: Includes compacted aggregate		
			For Up To 20, Add	9.51	
			For >20 To 50, Add	7.13	
			For >50 To 250, Add	3.80	
			For >250 To 500, Add	1.43	
			For >1,000, Deduct	-1.43	
31 24 13 00-0006			Cutting, Shaping, And Rough Grading By Hand (31 24 13 00-0002)		
31 24 13 00-0007	SY		Shape Embankment/Slope By Hand Up To 1 On 4 Slope	6.90	
31 24 13 00-0008	SY		Shape Embankment/Slope By Hand Greater Than 1 On 4 Slope	8.97	
31 24 13 00-0009			Scarify Soil (31 24 13 00-0001) Note: For roadways, parking areas, landscaping and embankments by machine.		
31 24 13 00-0010	CSF		Scarify Soil For Roadways, Parking Areas, Landscaping And Embankments By Machine	7.10	
			For Up To 20, Add	3.55	
			For >20 To 50, Add	1.78	
			For >250 To 500, Deduct	-0.71	
			For >500, Deduct	-1.42	
31 24 13 00-0011			Relocating On Site Excavated Material (31 24 13 00-0001)		
31 24 13 00-0012	CY		>500' To 1,000', Relocating On Site Excavated Material For Roadways, Parking Areas, Landscaping And Embankments By Machine	13.81	
			For Up To 20, Add	13.81	
			For >20 To 50, Add	10.36	
			For >50 To 250, Add	5.52	
			For >250 To 500, Add	2.07	
			For >1,000, Deduct	-2.07	
31 24 13 00-0013	CY		>1,000', Relocating On Site Excavated Material For Roadways, Parking Areas, Landscaping And Embankments By Machine	18.41	
			For Up To 20, Add	18.41	
			For >20 To 50, Add	13.81	
			For >50 To 250, Add	7.36	
			For >250 To 500, Add	2.76	
			For >1,000, Deduct	-2.76	
31 24 13 00-0014			Spread And Shape Imported Or Stockpiled Material (31 24 13 00-0001) Note: For roadways, parking areas, landscaping and embankments. See CSI section 31 23 16 36-0032 for spreading material by hand.		
31 24 13 00-0015	CY		Spread And Shape Imported Or Stockpiled Material For Roadways, Parking Areas, Landscaping and Embankments By Machine	8.44	
			For Up To 20, Add	8.44	
			For >20 To 50, Add	6.33	
			For >50 To 250, Add	3.38	
			For >250 To 500, Add	1.27	
			For >1,000, Deduct	-1.27	
31 24 13 00-0016			Grading (31 24 13 00-0001) Note: For roadways, parking areas, landscaping and embankments by machine.		
31 24 13 00-0017	SY		Rough Grade Roadway, Parking Areas, Landscaping And Embankments By Machine	0.83	
31 24 13 00-0018	SY		Finish Grade Roadway, Parking Areas, Landscaping And Embankments By Machine	1.11	
31 24 13 00-0019	LF		Finish Grade For Curb	1.25	
31 24 13 00-0020	LF		Finish Grade For Curb And Gutter	1.53	
31 24 13 00-0021			Roadway Fine Grade (31 24 13 00-0001)		
31 24 13 00-0022	SF		Up To 2,500 SF, Fine Grade From + Or - 0.25"	0.82	
31 24 13 00-0023	SF		>2,500 - 10,000 SF, Fine Grade From + Or - 0.25"	0.62	
31 24 13 00-0024	SF		>10,000 - 20,000 SF, Fine Grade From + Or - 0.25"	0.54	
31 24 13 00-0025	SF		Up To 2,500 SF, Fine Grade From + Or - 0.50"	1.12	
31 24 13 00-0026	SF		>2,500 - 10,000 SF, Fine Grade From + Or - 0.50"	0.82	

			Earthwork	31	15
			Earth Moving	31 20	
			Embankments	31 24	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 24 13 00-0027	SF	>10,000 - 20,000 SF, Fine Grade From + Or - 0.50"	0.64	
31 24 13 00-0028		Compaction Of Fill Or Subbase (31 24 13 00-0001)		
		Note: For roadways, parking areas, landscaping and embankments by machine, per lift.		
31 24 13 00-0029	SY	Compaction Of Fill Or Subbase For Roadways, Parking Areas, Landscaping And Embankments By Machine Per Lift.....	0.78	
		For Up To 250, Add	0.78	
		For >250 To 500, Add	0.59	
		For >500 To 1,000, Add	0.31	
		For >5,000, Deduct	-0.12	
31 24 13 00-0030		Loading Excess Material For Removal From Excavation (31 24 13 00-0001)		
		Note: For roadways, parking areas, landscaping and embankments by machine. Includes handwork by laborer for clean-up.		
31 24 13 00-0031	CY	Load Excess Material For Removal For Roadways, Parking Areas, Landscaping and Embankments by Machine	6.10	
		For Up To 20, Add	6.10	
		For >20 To 50, Add	4.58	
		For >50 To 250, Add	2.44	
		For >250 To 500, Add	0.92	
		For >1,000, Deduct	-0.92	

31 25 Erosion and Sedimentation Controls (31 20)

31 25 14 Stabilization Measures for Erosion and Sedimentation Control (31 25)

31 25 14 13 Hydraulically-Applied Erosion Control (31 25 14)

31 25 14 13-0001		Bonded Fiber Matrix (31 25 14 13)		
31 25 14 13-0002	MSF	Up To 25,000 SF Bonded Fiber Matrix, Hydraulically Applied	64.11	
31 25 14 13-0003	MSF	>25,000 To 50,000 SF Bonded Fiber Matrix, Hydraulically Applied.....	58.92	
31 25 14 13-0004	MSF	>50,000 To 100,000 SF Bonded Fiber Matrix, Hydraulically Applied.....	54.50	
31 25 14 13-0005	MSF	>100,000 Bonded Fiber Matrix, Hydraulically Applied	52.00	

31 25 14 16 Rolled Erosion Control Mats and Blankets (31 25 14)

Note: Includes all staples and stakes for erosion control blankets and turf reinforcement mats.

31 25 14 16-0001		Erosion Control Blankets And Turf Reinforcement Mats (31 25 14 16)		
31 25 14 16-0002		Erosion Control Blankets, Short Term, Light Duty (31 25 14 16-0001)		
31 25 14 16-0003	SY	S75 Single Net Erosion Control Blanket	3.06	
		Note: Straw matrix with degradable thread to a single standard photodegradable polypropylene netting as manufactured by North American Green.		
31 25 14 16-0004	SY	S75BN Single Net Erosion Control Blanket	3.94	
		Note: Straw Matrix with Biodegradable Thread to a Single Natural Fiber Netting as manufactured by North American Green.		
31 25 14 16-0005	SY	Curlex 1, Single Net Erosion Control Blanket	2.90	
		Note: As manufactured by American Excelsior		
31 25 14 16-0006	SY	Curlex 1, Single Net Erosion Control Blanket	3.06	
		Note: As manufactured by American Green.		
31 25 14 16-0007	SY	Futerra Erosion Control Blanket, Wood Fibers With Biodegradable Netting	2.71	
31 25 14 16-0008		Erosion Control Blankets, Intermediate Duration (31 25 14 16-0001)		
31 25 14 16-0009	SY	S150 Double Net Erosion Control Blanket.....	3.93	
		Note: Straw matrix with degradable thread to a double standard photodegradable polypropylene netting as manufactured by North American Green.		
31 25 14 16-0010	SY	S150 BN Double Net Erosion Control Blanket.....	5.32	
		Note: Straw matrix with biodegradable thread to a double natural fiber netting as manufactured by North American Green.		
31 25 14 16-0011	SY	Curlex II, Double Net Erosion Control Blanket, Natural	3.28	
		Note: As manufactured by American Excelsior.		
31 25 14 16-0012	SY	Curlex II, Double Net Erosion Control Blanket, Green.....	3.43	
		Note: As manufactured by American Excelsior.		
31 25 14 16-0013	SY	Enforcer Double Net Erosion Control Blanket.....	3.66	
		Note: As manufactured by American Excelsior.		
31 25 14 16-0014		Turf Reinforcement Mats (TRM) (31 25 14 16-0001)		
		Note: Permanent, UV stabilized.		
31 25 14 16-0015	SY	P300 Permanent Polypropylene Turf Reinforcement Mat.....	14.89	
		Note: 100% synthetic, UV stabilized, two layer netting.		
31 25 14 16-0016	SY	C350 Permanent Turf Reinforcement Mat	13.68	
		Note: 100% synthetic, UV stabilized netting incorporating natural coconut fibers as manufactured by North American Green.		
31 25 14 16-0017	SY	Recyclex TRM, Permanent Turf Reinforcement Mat	16.28	
		Note: As manufactured by American Excelsior, 100% recycled		
31 25 14 16-0018		Jute Mesh Erosion Control Blankets (31 25 14 16-0001)		
31 25 14 16-0019	SY	Jute Mesh, Open Uniform Weave.....	5.41	
31 25 14 16-0020		Revegetation Mat (31 25 14 16-0001)		

31	31	Earthwork
	31 20	Earth Moving
	31 25	Erosion and Sedimentation Controls

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 25 14 16-0021	SY		3-Dimensional Webbed Revegetation Mat, Polyolefin Fiber Note: Polyolefin fibers oriented and mechanically bonded between two nets. Landlok TRM 450 or equal.	11.70	
31 25 14 16-0022	SY		Webbed Revegetation Mat, Polypropylene Fiber..... Note: Polypropylene fibers positioned between two high strength biaxially oriented nets and mechanically held together by parallel stitching with polypropylene thread. Landlok TRM 1060 or equal.	16.77	

31 25 14 23 Stabilization Measures for Erosion Control (31 25 14)

See CSI section 01 74 19 00-0045 for hauling greater than 15 miles.

31 25 14 23-0001 Sand Bags (31 25 14 23)

Note: Bags filled on site with delivered material. Includes material and placement of bags.

31 25 14 23-0002	BAG	50 Lb. Capacity Sand Bag With Sand.....	6.89	2.84
		For >2,500 To 5,000, Deduct	-0.57	
		For >5,000, Deduct	-1.26	
31 25 14 23-0003	BAG	75 Lb. Capacity Sand Bag With Sand.....	8.91	3.52
		For >2,500 To 5,000, Deduct	-0.70	
		For >5,000, Deduct	-1.60	
31 25 14 23-0004	BAG	100 Lb. Capacity Sand Bag With Sand.....	11.28	4.21
		For >2,500 To 5,000, Deduct	-0.84	
		For >5,000, Deduct	-1.97	
31 25 14 23-0005	BAG	125 Lb. Capacity Sand Bag With Sand.....	13.87	5.27
		For >2,500 To 5,000, Deduct	-1.05	
		For >5,000, Deduct	-2.44	
31 25 14 23-0006	BAG	150 Lb. Capacity Sand Bag With Sand.....	16.88	6.32
		For >2,500 To 5,000, Deduct	-1.26	
		For >5,000, Deduct	-2.95	
31 25 14 23-0007	BAG	175 Lb. Capacity Sand Bag With Sand.....	19.71	7.18
		For >2,500 To 5,000, Deduct	-1.44	
		For >5,000, Deduct	-3.41	
31 25 14 23-0008	BAG	2,000 Lb. Capacity Sand Bag With Sand.....	161.15	50.33
		For >2,500 To 5,000, Deduct	-9.36	
		For >5,000, Deduct	-25.48	
31 25 14 23-0009	BAG	3,000 Lb. Capacity Sand Bag With Sand.....	210.20	55.36
		For >2,500 To 5,000, Deduct	-10.30	
		For >5,000, Deduct	-31.32	

31 25 14 23-0010 Gravel Bags (31 25 14 23)

Note: Bags filled on site with delivered material. Includes material and placement of bags.

31 25 14 23-0011	BAG	30 Lb. Capacity Gravel Bag With Gravel.....	6.20	1.89
		For >2,500 To 5,000, Deduct	-0.37	
		For >5,000, Deduct	-0.99	
31 25 14 23-0012	BAG	50 Lb. Capacity Gravel Bag With Gravel.....	11.29	2.84
		For >2,500 To 5,000, Deduct	-0.57	
		For >5,000, Deduct	-1.70	

31 25 14 23-0013 Floating Turbidity Curtain (31 25 14 23)

Note: Type 2 DOT fabric - 18 oz. nominal laminated vinyl/polyester. EPS flotation, 6" x 6", 13.5 lb/ft. buoyancy in fresh water and 14.4 lb/ft buoyancy in saltwater.

31 25 14 23-0014	LF	3' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	27.25	
		For Type 1, Deduct	-4.23	
		For 13 Oz PVC Fabric, Type 2, Deduct	-2.58	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	3.13	
31 25 14 23-0015	LF	4' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	29.54	
		For Type 1, Deduct	-4.66	
		For 13 Oz PVC Fabric, Type 2, Deduct	-2.84	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	3.44	
31 25 14 23-0016	LF	5' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	32.70	
		For Type 1, Deduct	-5.28	
		For 13 Oz PVC Fabric, Type 2, Deduct	-3.21	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	3.90	
31 25 14 23-0017	LF	6' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	35.39	
		For Type 1, Deduct	-5.79	
		For 13 Oz PVC Fabric, Type 2, Deduct	-3.52	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	4.28	
31 25 14 23-0018	LF	7' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	37.14	
		For Type 1, Deduct	-6.07	
		For 13 Oz PVC Fabric, Type 2, Deduct	-3.69	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	4.49	
31 25 14 23-0019	LF	8' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	38.90	
		For Type 1, Deduct	-6.35	
		For 13 Oz PVC Fabric, Type 2, Deduct	-3.87	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	4.70	
31 25 14 23-0020	LF	9' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	40.93	
		For Type 1, Deduct	-6.69	
		For 13 Oz PVC Fabric, Type 2, Deduct	-4.07	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	4.95	
31 25 14 23-0021	LF	10' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	43.74	
		For Type 1, Deduct	-7.20	
		For 13 Oz PVC Fabric, Type 2, Deduct	-4.38	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	5.32	
31 25 14 23-0022	LF	12' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	45.96	
		For Type 1, Deduct	-7.57	
		For 13 Oz PVC Fabric, Type 2, Deduct	-4.61	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	5.59	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 25 14 23-0023	LF	13' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	48.94	
		For Type 1, Deduct	-8.10	
		For 13 Oz PVC Fabric, Type 2, Deduct	-4.93	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	5.99	
31 25 14 23-0024	LF	14' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	51.72	
		For Type 1, Deduct	-8.58	
		For 13 Oz PVC Fabric, Type 2, Deduct	-5.22	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	6.34	
31 25 14 23-0025	LF	15' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	54.41	
		For Type 1, Deduct	-9.03	
		For 13 Oz PVC Fabric, Type 2, Deduct	-5.50	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	6.68	
31 25 14 23-0026	LF	16' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	59.21	
		For Type 1, Deduct	-9.97	
		For 13 Oz PVC Fabric, Type 2, Deduct	-6.07	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	7.37	
31 25 14 23-0027	LF	17' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	62.09	
		For Type 1, Deduct	-10.45	
		For 13 Oz PVC Fabric, Type 2, Deduct	-6.36	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	7.72	
31 25 14 23-0028	LF	18' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	64.88	
		For Type 1, Deduct	-10.90	
		For 13 Oz PVC Fabric, Type 2, Deduct	-6.63	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	8.05	
31 25 14 23-0029	LF	19' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	67.85	
		For Type 1, Deduct	-11.38	
		For 13 Oz PVC Fabric, Type 2, Deduct	-6.93	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	8.41	
31 25 14 23-0030	LF	20' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	70.73	
		For Type 1, Deduct	-11.83	
		For 13 Oz PVC Fabric, Type 2, Deduct	-7.20	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	8.74	
31 25 14 23-0031		Turbidity Curtain Anchors (31 25 14 23)		
31 25 14 23-0032	EA	14 Lb., Turbidity Curtain Anchor System	734.04	
		Note: Includes anchor, anchor chain, and marker buoy and rope.		
31 25 14 23-0033	EA	25 Lb., Turbidity Curtain Anchor System	1,006.44	
		Note: Includes anchor, anchor chain, and marker buoy and rope.		
31 25 14 23-0034	EA	40 Lb., Turbidity Curtain Anchor System	1,280.02	
		Note: Includes anchor, anchor chain, and marker buoy and rope.		
31 25 14 23-0035	EA	65 Lb., Turbidity Curtain Anchor System	1,674.08	
		Note: Includes anchor, anchor chain, and marker buoy and rope.		
31 25 14 23-0036		Filter Bags (31 25 14 23)		
31 25 14 23-0037		Non-Woven Filter Bags (31 25 14 23-0036)		
31 25 14 23-0038	EA	6' x 15' Non-Woven Filter Bag	256.78	
31 25 14 23-0039	EA	13' x 15' Non-Woven Filter Bag	371.65	
31 25 14 23-0040	EA	15' x 15' Non-Woven Filter Bag	427.18	
31 25 14 23-0041		Monofilament Filter Bags (31 25 14 23-0036)		
31 25 14 23-0042	EA	5' x 15' Monofilament Filter Bag	267.01	
31 25 14 23-0043	EA	10' x 15' Monofilament Filter Bag	369.78	
31 25 14 23-0044		Cable Articulating Concrete Block (31 25 14 23) Note: 4000 PSI Compressive strength, 12 LB/CF maximum absorption. Interlocking block with longitudinal revetment cable. Includes anchoring block to 12" x 12" x 6" concrete pier every 5' with anchor and filling cells with stockpiled material. Excludes site preparation and imported materials.		
31 25 14 23-0045	SF	4.75" Open Cell Articulated Concrete Block With Earth Backfill	38.93	
		For Up To 500, Add	8.93	
		For >500 To 1,000, Add	5.04	
31 25 14 23-0046	SF	6" Open Cell Articulated Concrete Block With Earth Backfill	44.20	
		For Up To 500, Add	10.09	
		For >500 To 1,000, Add	5.67	
31 25 14 23-0047	SF	7.5" Open Cell Articulated Concrete Block With Earth Backfill	50.29	
		For Up To 500, Add	11.43	
		For >500 To 1,000, Add	6.40	
31 25 14 23-0048	SF	9" Open Cell Articulated Concrete Block With Earth Backfill	56.56	
		For Up To 500, Add	12.84	
		For >500 To 1,000, Add	7.18	
31 25 14 23-0049	SF	4.75" Closed Cell Articulated Concrete Block	41.34	
		For Up To 500, Add	9.41	
		For >500 To 1,000, Add	5.28	
31 25 14 23-0050	SF	6" Closed Cell Articulated Concrete Block	47.08	
		For Up To 500, Add	10.67	
		For >500 To 1,000, Add	5.96	
31 25 14 23-0051	SF	7.5" Closed Cell Articulated Concrete Block	53.70	
		For Up To 500, Add	12.12	
		For >500 To 1,000, Add	6.75	
31 25 14 23-0052	SF	9" Closed Cell Articulated Concrete Block	60.47	
		For Up To 500, Add	13.62	
		For >500 To 1,000, Add	7.57	

31	31	Earthwork
	31 20	Earth Moving
	31 25	Erosion and Sedimentation Controls

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 25 14 26 Stabilization Measures for Sedimentation Control (31 25 14)

31 25 14 26-0001			Silt Fences And Dike Barriers (31 25 14 26) Note: Includes stakes and embedding.		
31 25 14 26-0002			Silt Fences 2' High (31 25 14 26-0001) See CSI section 31 25 14 26-0014 for removal of silt fence.		
31 25 14 26-0003	LF		2' High Silt Fence with Stakes at 4' On Center	5.26	
31 25 14 26-0004	LF		2' High Silt Fence with Stakes at 6' On Center	4.09	
31 25 14 26-0005	LF		2' High Silt Fence with Stakes at 8' On Center	2.91	
31 25 14 26-0006	LF		2' High Silt Fence with Stakes at 10' On Center	2.49	
31 25 14 26-0007			Silt Fences 3' High (31 25 14 26-0001) See CSI section 31 25 14 26-0014 for removal of silt fence.		
31 25 14 26-0008	LF		3' High Silt Fence with Stakes at 4' On Center	6.20	
31 25 14 26-0009	LF		3' High Silt Fence with Stakes at 6' On Center	4.88	
31 25 14 26-0010	LF		3' High Silt Fence with Stakes at 8' On Center	3.41	
31 25 14 26-0011	LF		3' High Silt Fence with Stakes at 10' On Center	2.83	
31 25 14 26-0012			Silt Dike Barrier (31 25 14 26-0001)		
31 25 14 26-0013	LF		Silt Dike Barrier With Stakes.....	4.58	
31 25 14 26-0014			Silt Fences Removal (31 25 14 26-0001)		
31 25 14 26-0015	LF		Removal Of Silt Fence And Stakes.....	0.89	
31 25 14 26-0016			Hay And Straw Bales (31 25 14 26) Note: Includes trench for placement, and stakes.		
31 25 14 26-0017	LF		Place Sterilized Straw Bales.....	4.83	
31 25 14 26-0018	LF		Place Hay Bales	4.50	
31 25 14 26-0019	LF		Removal Of Hay Or Straw Bales	1.61	
31 25 14 26-0020			Sediment Logs (Degradable) (31 25 14 26)		
31 25 14 26-0021			Sediment Logs (Degradable) (31 25 14 26-0020) Note: Includes stakes and removal after use. Curlex sediment logs as manufactured by American Excelsior.		
31 25 14 26-0022	LF		9" Sediment Fiber Roll Log	6.49	
31 25 14 26-0023	LF		12" Sediment Fiber Roll Log	7.53	
31 25 14 26-0024	LF		20" Sediment Fiber Roll Log	11.66	
31 25 14 26-0025			Wattles (Degradable) With UV Stabilized Synthetic Netting (31 25 14 26-0020) Note: Includes trench for placement, 24" wood staking at 4' on-center		
31 25 14 26-0026	EA		Wattles (Sterile Straw Filled Rolls), 8" x 25'	124.27	
31 25 14 26-0027	EA		Wattles (Sterile Straw Filled Rolls), 9" x 25'	130.72	
31 25 14 26-0028	EA		Wattles (Sterile Straw Filled Rolls), 12" x 20'	140.56	
31 25 14 26-0029	EA		Wattles (Sterile Straw Filled Rolls), 20" x 10'	153.69	
31 25 14 26-0030			Fiber Roll (CALTRANS Type 1) (31 25 14 26) Note: Includes furrow trench for placement, 24" wood staking at 4' on-center		
31 25 14 26-0031	LF		8" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 1	6.64	
			For >1,000 To 10,000, Deduct	-0.79	
			For >10,000, Deduct	-1.33	
31 25 14 26-0032	LF		9" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 1	6.95	
			For >1,000 To 10,000, Deduct	-0.80	
			For >10,000, Deduct	-1.35	
31 25 14 26-0033	LF		12" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 1	9.15	
			For >1,000 To 10,000, Deduct	-0.97	
			For >10,000, Deduct	-1.64	
31 25 14 26-0034			Fiber Roll (CALTRANS Type 2) (31 25 14 26) Note: Includes 24" wood stakes at 2' on-center off-set on sides with ropes.		
31 25 14 26-0035	LF		8" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 2	5.28	
			For >1,000 To 10,000, Deduct	-0.58	
			For >10,000, Deduct	-0.99	
31 25 14 26-0036	LF		9" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 2	5.77	
			For >1,000 To 10,000, Deduct	-0.63	
			For >10,000, Deduct	-1.06	
31 25 14 26-0037	LF		12" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 2	7.34	
			For >1,000 To 10,000, Deduct	-0.69	
			For >10,000, Deduct	-1.18	
31 25 14 26-0038			Inlet Protection Sediment Bags (31 25 14 26) Note: Includes removal, cleaning, and replacement per each location.		
31 25 14 26-0039	EA		2' x 2' x 3' Inlet Protection Sediment Bag	75.10	
31 25 14 26-0040	EA		2' x 3' x 3' Inlet Protection Sediment Bag	87.68	
31 25 14 26-0041	EA		2' x 4' x 3' Inlet Protection Sediment Bag	95.95	

		Earthwork	31	15
		Earth Moving	31 20	
		Erosion and Sedimentation Controls	31 25	
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
		UNIT COST	UNIT COST	

31 30 Earthwork Methods ⁽³¹⁾

31 31 Soil Treatment ^(31 30)

31 31 16 Termite Control ^(31 31)

31 31 16 13 Chemical Termite Control ^(31 31 16)

31 31 16 13-0001 Commercial Use ^(31 31 16 13)

31 31 16 13-0002	SF	Termite Pretreatment, Commercial Soil Poisoning Under Slab	0.96
31 31 16 13-0003	SF	Termite Pretreatment, Commercial Slab And Walls.....	1.36

31 31 16 13-0004 Residential Use ^(31 31 16 13)

31 31 16 13-0005	SF	Termite Pretreatment, Residential General Spraying Walls And Slab	1.40
31 31 16 13-0006	SF	Termite Treatment, Existing Residential Structure.....	1.53

31 31 19 Vegetation Control ^(31 31)

31 31 19 13 Chemical Vegetation Control ^(31 31 19)

31 31 19 13-0001 Soil Sterilants ^(31 31 19 13)

31 31 19 13-0002	MSF	Soil Sterilant.....	33.62
Note: Use only in areas where complete control of all vegetation is desired, such as industrial sites, right-of-way, lumberyards, petroleum tank farms, around farm buildings, along fence lines, etc. When applied to the soil, this product usually inhibits plant growth for a year or more.			
		For >45 To 90, Deduct	-0.48
		For >90 To 225, Deduct	-2.65
		For >225, Deduct	-3.62

31 32 Soil Stabilization ^(31 30)

31 32 13 Soil Mixing Stabilization ^(31 32)

31 32 13 16 Cement Soil Stabilization ^(31 32 13)

31 32 13 16-0001 Cementitious Soil Binder ^(31 32 13 16)

31 32 13 16-0002	CY	Cementitious Soil Binder, 4% Cement Mix By Volume	38.99
31 32 13 16-0003	CY	Cementitious Soil Binder, 6% Cement Mix By Volume	44.29
31 32 13 16-0004	CY	Cementitious Soil Binder, 9% Cement Mix By Volume	53.02
31 32 13 16-0005	CY	Cementitious Soil Binder, 12% Cement Mix By Volume	61.62

31 32 13 19 Lime Soil Stabilization ^(31 32 13)

Note: Includes delivery up to 15 miles from the closest approved source, the cost for loading, and dumping. The price excludes the cost for spreading or backfilling. See CSI section 01 74 19 00-0045 for hauling greater than 15 miles.

31 32 13 19-0001 Lime Slurry ^(31 32 13 19)

31 32 13 19-0002	LCY	Soil Stabilization With Lime Slurry 10% Lime Slurry By Volume.....	35.20
31 32 13 19-0003	TON	Cement Stabilized Base Material.....	92.46
31 32 13 19-0004	CWT	Lime For Soil Stabilization	14.17
Note: Excludes the cost for spreading or backfilling			
31 32 13 19-0005	LCY	Roller, Grader - Lime Stabilization	18.40
31 32 13 19-0006	LCY	Roller, Grader - Cement Stabilization	4.32

31 32 13 19-0007 Lime Stabilized Subgrade ^(31 32 13 19)

Note: Based on soil weight of 110 LB/CF using lime weight of 5.5 LB/CF (5%).

31 32 13 19-0008	SY	6" Thick Lime Stabilized Subgrade, 25 Lb.	10.43
		For 4% Lime Instead Of 5%, Deduct	-0.25
		For 6% Lime Instead Of 5%, Add	0.25
31 32 13 19-0009	SY	7" Thick Lime Stabilized Subgrade, 29 Lb.	12.11
		For 4% Lime Instead Of 5%, Deduct	-0.29
		For 6% Lime Instead Of 5%, Add	0.29
31 32 13 19-0010	SY	8" Thick Lime Stabilized Subgrade, 33 Lb.	13.82
		For 4% Lime Instead Of 5%, Deduct	-0.33
		For 6% Lime Instead Of 5%, Add	0.33

31 32 13 29 Liquid Soil Stabilization ^(31 32 13)

31 32 13 29-0001	GAL	Polyacrylamide And Calcium Solution	2.54
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31 32 19 Geosynthetic Soil Stabilization and Layer Separation ^(31 32)

31 32 19 13 Geogrid Soil Stabilization ^(31 32 19)

31 32 19 13-0001 Geogrid Fabrics ^(31 32 19 13)

Note: For reinforcement of over steepened earth slopes, segmental retaining walls and other mechanically stabilized earth applications. Includes stakes.

31 Earthwork**31 30 Earthwork Methods****31 32 Soil Stabilization**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

31 32 19 13-0002	SY	5.3 Ounce/SY, 1,700 Lb./FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-150)	5.42
		For Up To 50, Add	1.20
		For >50 To 150, Add	0.89
		For >150 To 250, Add	0.58
		For >250 To 500, Add	0.29
31 32 19 13-0003	SY	6.9 Ounce/SY, 3,100 Lb./FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-300)	6.19
		For Up To 50, Add	1.36
		For >50 To 150, Add	1.01
		For >150 To 250, Add	0.66
		For >250 To 500, Add	0.33
31 32 19 13-0004	SY	8.7 Ounce/SY, 4,280 Lb./FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-500)	6.75
		For Up To 50, Add	1.47
		For >50 To 150, Add	1.09
		For >150 To 250, Add	0.72
		For >250 To 500, Add	0.36
31 32 19 13-0005	SY	12.6 Ounce/SY, 7,315 Lb./FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-800)	9.73
		For Up To 50, Add	2.07
		For >50 To 150, Add	1.54
		For >150 To 250, Add	1.02
		For >250 To 500, Add	0.51
31 32 19 13-0006	SY	14.1 Ounce/SY, 9,790 Lb./FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-1000)	11.14
		For Up To 50, Add	2.36
		For >50 To 150, Add	1.76
		For >150 To 250, Add	1.16
		For >250 To 500, Add	0.58
31 32 19 13-0007	SY	4.3 Ounce/SY, 1,658 Lb./FT Wide Width Tensile Ultimate Bi-Axial Extruded Polypropylene Geogrid Fabric (Carthage Mills Enkagrid Max 20)	5.51
		For Up To 50, Add	1.21
		For >50 To 150, Add	0.90
		For >150 To 250, Add	0.59
		For >250 To 500, Add	0.29
31 32 19 13-0008	SY	5.9 Ounce/SY, 2,192 Lb./FT Wide Width Tensile Ultimate Bi-Axial Extruded Polypropylene Geogrid Fabric (Carthage Mills Enkagrid Max 30)	8.13
		For Up To 50, Add	1.74
		For >50 To 150, Add	1.30
		For >150 To 250, Add	0.85
		For >250 To 500, Add	0.43

31 32 19 16 Geotextile Soil Stabilization (31 32 19)**31 32 19 16-0001 Nonwoven Polypropylene Geotextiles (31 32 19 16)**

Note: For drainage, filtration and separation. Includes stakes.

31 32 19 16-0002	SY	3.0 Ounce/SY, 40 Mil, 80 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-30HS)	1.68
		For Up To 50, Add	0.38
		For >50 To 150, Add	0.28
		For >150 To 250, Add	0.18
		For >250 To 500, Add	0.09
31 32 19 16-0003	SY	3.5 Ounce/SY, 50 Mil, 95 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-35HS)	1.80
		For Up To 50, Add	0.40
		For >50 To 150, Add	0.30
		For >150 To 250, Add	0.19
		For >250 To 500, Add	0.10
31 32 19 16-0004	SY	4.0 Ounce/SY, 60 Mil, 115 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-40HS)	1.95
		For Up To 50, Add	0.43
		For >50 To 150, Add	0.32
		For >150 To 250, Add	0.21
		For >250 To 500, Add	0.10
31 32 19 16-0005	SY	4.5 Ounce/SY, 55 Mil, 120 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-45HS)	2.10
		For Up To 50, Add	0.46
		For >50 To 150, Add	0.34
		For >150 To 250, Add	0.22
		For >250 To 500, Add	0.11
31 32 19 16-0006	SY	6.0 Ounce/SY, 70 Mil, 160 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-60HS)	2.50
		For Up To 50, Add	0.54
		For >50 To 150, Add	0.40
		For >150 To 250, Add	0.26
		For >250 To 500, Add	0.13
31 32 19 16-0007	SY	7.0 Ounce/SY, 85 Mil, 180 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-70HS)	2.93
		For Up To 50, Add	0.64
		For >50 To 150, Add	0.48
		For >150 To 250, Add	0.31
		For >250 To 500, Add	0.16
31 32 19 16-0008	SY	8.0 Ounce/SY, 85 Mil, 205 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-80HS)	3.23
		For Up To 50, Add	0.70
		For >50 To 150, Add	0.52
		For >150 To 250, Add	0.34
		For >250 To 500, Add	0.17

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 19 16-0009	SY		10 Ounce/SY, 115 Mil, 250 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-100HS).....	3.99	
			For Up To 50, Add.....	0.85	
			For >50 To 150, Add.....	0.63	
			For >150 To 250, Add.....	0.42	
			For >250 To 500, Add.....	0.21	
31 32 19 16-0010	SY		16 Ounce/SY, 175 Mil, 425 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric.....	7.04	
			For Up To 50, Add.....	1.46	
			For >50 To 150, Add.....	1.09	
			For >150 To 250, Add.....	0.72	
			For >250 To 500, Add.....	0.36	
31 32 19 16-0011 Woven Geotextiles Fabric (31 32 19 16)					
Note: Includes stakes.					
31 32 19 16-0012	SY		200 Lb. Grab Tensile Woven Slit Film Geotextile Fabric (Carthage Mills FX-55).....	2.44	
			For Up To 50, Add.....	0.53	
			For >50 To 150, Add.....	0.39	
			For >150 To 250, Add.....	0.26	
			For >250 To 500, Add.....	0.13	
31 32 19 16-0013	SY		315 Lb. Grab Tensile Woven Slit Film Geotextile Fabric (Carthage Mills FX-66).....	3.43	
			For Up To 50, Add.....	0.73	
			For >50 To 150, Add.....	0.54	
			For >150 To 250, Add.....	0.36	
			For >250 To 500, Add.....	0.18	
31 32 19 16-0014	SY		4 To 6% Open Area, 370 x 250 Lb. Grab Tensile Woven Monofilament Geotextile Fabric (Carthage Mills Carthage 6%).....	6.07	
			For Up To 50, Add.....	1.27	
			For >50 To 150, Add.....	0.95	
			For >150 To 250, Add.....	0.63	
			For >250 To 500, Add.....	0.31	
31 32 19 16-0015	SY		11 To 15% Open Area, 370 x 220 Lb. Grab Tensile Woven Monofilament Geotextile Fabric (Carthage Mills Carthage 15%).....	5.92	
			For Up To 50, Add.....	1.24	
			For >50 To 150, Add.....	0.92	
			For >150 To 250, Add.....	0.61	
			For >250 To 500, Add.....	0.31	
31 32 19 16-0016	SY		6.9 Oz/SY, 250 Lb./IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-250TF).....	5.17	
			For Up To 50, Add.....	1.09	
			For >50 To 150, Add.....	0.81	
			For >150 To 250, Add.....	0.54	
			For >250 To 500, Add.....	0.27	
31 32 19 16-0017	SY		9.1 Oz/SY, 333 Lb./IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-330TF).....	5.53	
			For Up To 50, Add.....	1.16	
			For >50 To 150, Add.....	0.87	
			For >150 To 250, Add.....	0.57	
			For >250 To 500, Add.....	0.29	
31 32 19 16-0018	SY		12.1 Oz/SY, 400 Lb./IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-400TF).....	7.07	
			For Up To 50, Add.....	1.47	
			For >50 To 150, Add.....	1.10	
			For >150 To 250, Add.....	0.73	
			For >250 To 500, Add.....	0.36	
31 32 19 16-0019	SY		12.1 Oz/SY, 400 Lb./IN Wide Width Tensile Ultimate Woven Monofilament And Fibrillated Geotextile Fabric (Carthage Mills FX-400MF).....	10.09	
			For Up To 50, Add.....	2.07	
			For >50 To 150, Add.....	1.55	
			For >150 To 250, Add.....	1.03	
			For >250 To 500, Add.....	0.51	
31 32 19 16-0020 Geomembranes (31 32 19 16)					
Note: Includes stakes.					
31 32 19 16-0021 Polyvinyl Chloride (PVC) Geomembrane (31 32 19 16-0020)					
31 32 19 16-0022	SF		20 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics).....	1.48	
31 32 19 16-0023	SF		30 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics).....	1.70	
31 32 19 16-0024	SF		40 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics).....	2.07	
31 32 19 16-0025	SF		50 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics).....	2.49	
31 32 19 16-0026	SF		60 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics).....	2.85	
31 32 19 16-0027	SF		70 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics).....	3.12	
31 32 19 16-0028	SF		80 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics).....	3.38	
31 32 19 16-0029	SF		90 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics).....	3.74	
31 32 19 16-0030	SF		100 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics).....	4.08	
31 32 19 16-0031 High-Density Polyethylene (HDPE) Geomembrane (31 32 19 16-0020)					
31 32 19 16-0032	SF		20 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics).....	1.26	
31 32 19 16-0033	SF		30 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics).....	0.98	
31 32 19 16-0034	SF		40 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics).....	1.08	
31 32 19 16-0035	SF		50 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics).....	1.53	
31 32 19 16-0036	SF		60 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics).....	1.27	
31 32 19 16-0037	SF		80 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics).....	1.47	
31 32 19 16-0038	SF		100 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics).....	1.68	
31 32 19 16-0039	SF		120 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics).....	2.72	
31 32 19 16-0040	SF		140 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics).....	2.81	

13	31	Earthwork
	31 30	Earthwork Methods
	31 32	Soil Stabilization

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 32 19 26 Geoweb Cellular Confinement System (31 32 19)

Note: Includes staples, stakes and filling cells with stockpiled material. Excludes site preparation and imported materials.

31 32 19 26-0001 Geoweb Cellular Confinement System (31 32 19 26)

Note: Includes staples, stakes and filling cells with stockpiled material. Excludes site preparation and imported materials.

31 32 19 26-0002	SF	4" Geoweb Cellular Confinement System (Presto Geosystems)	.....	7.72	
		For >20,000, Deduct		-0.19	
		For >2:1 Slope, Add		1.28	
31 32 19 26-0003	SF	6" Geoweb Cellular Confinement System (Presto Geosystems)	.....	9.44	
		For >20,000, Deduct		-0.28	
		For >2:1 Slope, Add		1.28	
31 32 19 26-0004	SF	8" Geoweb Cellular Confinement System (Presto Geosystems)	.....	11.49	
		For >20,000, Deduct		-0.38	
		For >2:1 Slope, Add		1.28	

31 32 36 Soil Nailing (31 32)

31 32 36 11 Soil Nailing Stabilization (31 32 36)

31 32 36 11-0001 Landslide and Slip-Out Stabilization (31 32 36 11)

Note: Work shall consist of the Contractor stabilizing identified slides by internally reinforcing the soil mass with reinforcing elements (nails) by using one or more of the installation methods specified in this contract. The Owner will identify locations for work to be performed as specified herein. The Contractor shall review all locations with Owner representatives to determine the method to be used. The Contractor will provide all necessary engineering plans and details required to successfully repair slides as noted. These plans shall be stamped by a registered professional engineer with a current California license who is knowledgeable in the design and implementation of slope stabilization with soil nails and related work. The contractor shall furnish all labor, materials, and equipment required to complete the work. Any necessary installation methods and associated costs are the responsibility of the contractor. The Contractor and the Contractor's Engineer will also warrant the stability of the repaired roadway section for a period of 5 years.

31 32 36 11-0002 BioWall® (31 32 36 11-0001)

Note: Furnish and install the BioWall® to integrate with Launched Soil Nails™, SuperNails® or Self Drilling SuperNails®. The BioWall® is a confined soil/compost mass capable of sustaining vegetation at slope angles up to 1/2(H):1(V), and is composed of 2 layers of galvanized wire mesh and 2 layers of lightweight geosynthetic encasing a seeded compost and/or topsoil mix, tied to the soil nails by steel plates. Furnish equipment and incidentals necessary to complete the work. BioWall® to soil nail connection details will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals. Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

31 32 36 11-0003	SF	BioWall® Construction		25.00	
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31 32 36 11-0004 Green Terra Mesh (31 32 36 11-0001)

Note: Furnish and install the Green Terra Mesh. Furnish equipment and incidentals necessary to complete the work. Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

31 32 36 11-0005	EA	Green Terra Mesh		635.25	
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31 32 36 11-0006 GeoSynthetically Confined Soil™ (GCS®) Components (31 32 36 11-0001)

Note: Furnish and install geosynthetic reinforcement, backfill and facing element to construct a Geosynthetically Confined Soil Wall™ (GCS®). Designs shall comply with the Design Standards for Geosynthetically Confined Soil Walls (adapted from the NCHRP Report 556 – Design and Construction Guidelines for Geosynthetic – Reinforced Soil Bridge Abutments with a Flexible Facing) noted below. Reinforcement Selection and Placement: Geosynthetic reinforcement shall consist of high-tenacity geotextiles manufactured for soil reinforcement applications. Geotextiles shall not be exposed to sunlight and extreme temperatures for an extended period of time. Damaged or improperly handled geosynthetic reinforcement shall be rejected. Use a woven polypropylene geotextile with ultimate tensile strength of 2,400 lb/ft (Amoco 2044 or similar) in the cross-machine direction (as per ASTM D4595). The geosynthetic reinforcement perpendicular to the wall face should consist of one continuous piece of material. Overlap of reinforcement in the design strength direction is not permitted. Adjacent sections of geosynthetic reinforcement should be placed so as to ensure that horizontal coverage shown on the plans is provided. Tracked construction equipment shall not be operated directly on the geosynthetic reinforcement. A minimum backfill thickness of 150 mm (6 in.) is required before operation of tracked vehicles over the geosynthetic reinforcement. Turning of tracked vehicles should be kept to a minimum to prevent displacing the fill and damaging or moving the geosynthetic reinforcement. Rubber-tired equipment may pass over the geosynthetic reinforcement at slow speeds less than 17 km/hr (10 miles/hr). Sudden braking and sharp turning should be avoided. Backfill Specifications: Structure backfill material should consist of material free from organic or other unsuitable material as determined by the Contractor's Engineer. Grading of the backfill should be as follows: 100 percent passing 100 mm (4 in.) sieve, 0-60 percent passing No. 40 (0.425 mm) sieve, and 0-15 percent passing No. 200 (0.075mm) sieve; plasticity index (PI) as determined by AASHTO T90, should not exceed 6. The backfill should exhibit an angle of internal friction of not less than 34 degrees, as determined by the standard direct shear test on the portion finer than 2 mm (No.10) sieve, using a sample compacted to 95 percent of AASHTO T-99, Methods C or D, at optimum moisture content. No testing is required for backfills where 80 percent of sizes are greater than 19 mm. The backfill should be substantially free of shale or other soft, poor durability particles and should have an organic content not larger than 1 percent. The backfill should have a pH between 4.5 and 9. Backfill Placement: Reinforced fill should be placed as specified in construction plans in compacted lift thickness of 8in, but in no case in lifts greater than 12in. Reinforced fill should be placed and compacted at or within 2 percent dry of the optimum moisture content. If the reinforced fill is free draining (i.e., with less than 5 percent passing a No. 200 sieve), water content of the fill may be within ±3 percent of the optimum. A minimum density of 90 percent of standard Proctor density is required. Optimum compaction is 100 percent of AASHTO T-99 (or 95 percent of AASHTO T-180) but this may not be possible throughout the wall structure. If significant percentage of the backfill is coarse material (i.e., greater than 30 percent retained on the 19 mm, or 3/4 in., sieve), a procedural specification may be used to verify compaction, (no less than two passes with a conventional vibratory plate compaction equipment). Backfill should be placed, spread, and compacted so as to prevent the development of wrinkles or movement of the geosynthetic reinforcement and the wall facing units. Only hand-operated compaction equipment should be allowed within 0.5 m (1.5 ft) of the front of the See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

31 32 36 11-0007	SF	GeoSynthetically Confined Soil™ (GCS®) Wall Construction		23.75	
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Note: Installation sold per square face foot (excludes materials)

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 36 11-0008	EA	GeoSynthetically Confined Soil™ (GCS®) Wall Galvanized Wire Basket Units (approximately 10" x 120")	108.50	
31 32 36 11-0009	EA	GeoSynthetically Confined Soil™ (GCS®) Wall Concrete Masonry Units (approximately 8" x 8" x 16")	6.50	
31 32 36 11-0010	SF	GeoSynthetically Confined Soil™ (GCS®) Wall Woven Geotextile	0.75	
31 32 36 11-0011		Turf (31 32 36 11-0001) Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).		
31 32 36 11-0012		Permanent Turf Reinforcing Mat (TRM) (31 32 36 11-0011) Note: Furnish a web of mechanically bonded synthetic fibers that are entangled to form a strong and dimensionally stable mat. Place fibers between 2 or 3 high-strength, biaxially oriented nets mechanically bound together by stitching with polyolefin thread. The netting material must be resistant to biological, chemical, and ultra-violet degradation.		
31 32 36 11-0013	SF	Permanent Turf Reinforcement Mat..... Note: sold per square face foot	1.50	
31 32 36 11-0014		Biodegradable Turf Reinforcing Mat (TRM) (31 32 36 11-0011) Note: Furnish a geotextile composed of seed free processed natural fiber matrix mechanically bound together with 100% degradable binding fiber or netting to form a continuous matrix.		
31 32 36 11-0015	SF	Biodegradable Turf Reinforcement Mat..... Note: sold per square face foot	0.75	
31 32 36 11-0016		Shotcrete or Gunit (31 32 36 11-0001) Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).		
31 32 36 11-0017		Wet-Mix Shotcrete for use with Launched Soil Nails™, SuperNails®, SuperMicropiles™, Self-Drilling SuperNails® / SuperMicropiles™ (31 32 36 11-0016) Note: Furnish steel reinforced shotcrete to integrate with Launched Soil Nails™, SuperNails®, SuperMicropiles™, Self Drilling SuperMicropiles™ or Self Drilling SuperNails® and complying with the requirements of ACI 506.2, "Specifications for Materials, Proportioning and Application of Shotcrete", except as otherwise specified. Shotcreting consists applying of one or more layers of concrete conveyed through a hose pneumatically projected at a high velocity against a prepared surface. Produce shotcrete by a wet-mix. The wet-mix process consists of thoroughly mixing all the ingredients except accelerating admixtures, but including the mixing water, introducing the mixture into the delivery equipment and delivering it, by positive displacement, to the nozzle. Air jet the wet-mix shotcrete from the nozzle at high velocity onto the surface. For additional descriptive information, refer to the American Concrete Institute ACI 506R "Guide to Shotcrete." The Contractor's Engineer shall provide all necessary details required to successfully construct the temporary or permanent facing and facing drainage system to satisfy the design intent of the facing. Comply with AASHTO Specifications, or accepted industry standards for any specific items that may not be addressed herein or elsewhere in this Contract Document. Use materials for shotcrete conforming to the following requirements: Cement AASHTO M85/ ASTM C150, Type I, II, III or V. Fine Aggregate AASHTO M6/ASTM C33 clean, natural. Coarse Aggregate AASHTO M80, Class B for quality Water Clean and Potable. AASHTO M157/ASTM C94 Chemical Admixtures Accelerator Fluid type, applied at nozzle, meeting requirements of AASHTO M194/ASTM C494/ASTM C1141. Water-reducer and Superplasticizer AASHTO M194/ASTM C494 Type A, C, D, E, F, or G Retarders AASHTO M194/ ASTM C494 Type B or D. Mineral Admixtures Fly Ash AASHTO M295/ASTM C618 Type F or C, cement replacement up to 35 percent by weight of cement. Silica Fume ASTM C1240, 90 percent minimum silicon dioxide solids content, not to exceed 12 percent by weight of cement. Welded Wire Fabric AASHTO M55/ASTM A185 or A497. Double twisted hexagonal ASTM A975-97 guidelines for Double Twisted Hexagonal Mesh Gabions Prepackaged Shotcrete ASTM C928. PVC Drain Pipes: Pipe ASTM 1785 Schedule 40 PVC, solid and perforated wall, cell classification 12454-B or 12354-C, wall thickness SDR 35, with solvent weld or elastomeric gasket joints. Deliver, store and handle materials to prevent contamination, segregation, corrosion or damage. Store liquid admixtures to prevent evaporation and freezing. Use aggregate for shotcrete meeting the strength and durability requirements of AASHTO M6/M80, as applicable, and the following gradation requirements: Sieve Size Percent Passing by Weight 1/2" 100 3/8" 90-100 No. 4 70-85 No. 8 100 Proportion the shotcrete to be pumpable with the concrete pump furnished for the work, with a cementing materials content of at least 390 kilograms per cubic meter and water/cement ratio not greater than 0.50. Do not use admixtures unless approved by the Contractor's Engineer. Thoroughly mix admixtures into the shotcrete at the rate specified by the manufacturer. Use only accelerators compatible with the cement used, non-corrosive to steel, and not promoting other detrimental effects such as cracking or excessive shrinkage. The maximum allowable chloride ion content of all ingredients is 0.10% when tested to AASHTO T260. Air entrainment is not required for temporary shotcrete construction facings. Provide shotcrete with a design compressive strength of 2000 psi in 3 days and 4000 psi in 28 days. Batch aggregate and cement by weight or by volume in accordance with the requirements of ASTM C94 or AASHTO M241/ASTM C685. Use mixing equipment that thoroughly blends the materials in sufficient quantity to maintain placing continuity. Produce ready mix shotcrete complying		
31 32 36 11-0018	SFI	Wet-Mix Reinforced Shotcrete Note: sold per inch thickness over one square face foot of area (includes reinforcing steel).	5.50	

31	31	Earthwork
	31 30	Earthwork Methods
	31 32	Soil Stabilization

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 32 36 11-0019			Dry-Mix Shotcrete for use with Launched Soil Nails™, SuperNails®, SuperMicropiles™, Self-Drilling SuperNails® / SuperMicropiles™ ^(31 32 36 11-0016) Note: Furnish steel reinforced shotcrete to integrate with Launched Soil Nails™, SuperNails®, SuperMicropiles™, Self Drilling SuperMicropiles™ or Self Drilling SuperNails® and complying with the requirements of ACI 506.2, "Specifications for Materials, Proportioning and Application of Shotcrete", except as otherwise specified. Shotcreting consists applying of one or more layers of concrete conveyed through a hose pneumatically projected at a high velocity against a prepared surface. Produce shotcrete by a dry-mix. The dry-mix process consists of thoroughly mixing Portland cement and aggregate (and or synthetic fiber) thoroughly mixed dry, passed through a cement gun and conveyed by air through a flexible tube, hydrated at a nozzle at the end of such flexible tube and deposited by air pressure in its place of final repose. For additional descriptive information, refer to the American Concrete Institute ACI 506R "Guide to Shotcrete." The Contractor's Engineer shall provide all necessary details required to successfully construct the temporary or permanent facing and facing drainage system to satisfy the design intent of the facing. Comply with AASHTO Specifications, or accepted industry standards for any specific items that may not be addressed herein or elsewhere in this Contract Document. Use materials for shotcrete conforming to the following requirements: Cement AASHTO M85/ ASTM C150, Type I, II, or III. Fine Aggregate AASHTO M6/ASTM C33 clean, natural. Coarse Aggregate AASHTO M80, Class B for quality Fiber Reinforcement ASTM C116-00 Water Clean and Potable. AASHTO M157/ASTM C94 and shall be maintained at a uniform pressure which shall be at least 15 pounds per square inch above air pressure at the nozzle. Chemical Admixtures Accelerator Fluid type, applied at nozzle, meeting requirements of AASHTO M194/ASTM C494/ASTM C1141. Water-reducer and Superplasticizer AASHTO M194/ASTM C494 Type A, C, D, E, F, or G Retarders AASHTO M194/ ASTM C494 Type B or D. Mineral Admixtures Fly Ash AASHTO M295/ASTM C618 Type F or C, cement replacement up to 35 percent by weight of cement. Silica Fume ASTM C1240, 90 percent minimum silicon dioxide solids content, not to exceed 12 percent by weight of cement. Welded Wire Fabric AASHTO M55/ASTM A185 or A497. Double twisted hexagonal ASTM A975-97 guidelines for Double Twisted Hexagonal Mesh Gabions Prepackaged Shotcrete ASTM C928. PVC Drain Pipes: Pipe ASTM 1785 Schedule 40 PVC, solid and perforated wall, cell classification 12454-B or 12354-C, wall thickness SDR 35, with solvent weld or elastomeric gasket joints. Deliver, store and handle materials to prevent contamination, segregation, corrosion or damage. Store liquid admixtures to prevent evaporation and freezing. Use aggregate for shotcrete meeting the strength and durability requirements of AASHTO M6/M80, as applicable, and the following gradation requirements: Sieve Size Percent Passing by Weight 1/2" 100 3/8" 100 90-100 No. 4 70-85 No. 8 100 Proportion the shotcrete to be pumpable with the concrete pump furnished for the work, with a cementing materials content of at least 390 kilograms per cubic meter and water/cement ratio not greater than 0.50. Do not use admixtures unless approved by the Contractor's Engineer. Thoroughly mix admixtures into the shotcrete at the rate specified by the manufacturer. Use only accelerators compatible with the cement used, non-corrosive to steel, and not promoting other detrimental effects such as cracking or excessive shrinkage. The maximum allowable chloride ion content of all ingredients is 0.10% when tested to AASHTO T260. Air entrainment is not required for temporary shotcrete construction facings. Provide shotcrete with a design compressive strength of 2000 psi in 3 days and 4000 psi in 28 days. Batch aggregate and cement by weight or by volume in accordance with the requirements of ASTM C94 or AASHTO M241/ASTM C6		
31 32 36 11-0020	SFI		Dry-Mix Reinforced Gunite.....8.50 Note: sold per inch thickness over one square face foot of area (includes reinforcing steel).		
31 32 36 11-0021			Steel Fiber Reinforcement for use with Launched Soil Nails™, SuperNails®, SuperMicropiles™, Self-Drilling SuperNails® / SuperMicropiles™ ^(31 32 36 11-0016)		
31 32 36 11-0022	SFI		Steel Fiber Reinforcement .....1.25 Note: sold per inch thickness over one square face foot of area		
31 32 36 11-0023			Steel Mesh and Steel Plates for use with Launched Soil Nails™, SuperNails® and Self Drilling SuperNails® ^(31 32 36 11-0001) Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).		
31 32 36 11-0024			Steel Mesh Surface Treatment for use with Launched Soil Nails™, SuperNails® and Self Drilling SuperNails® ^(31 32 36 11-0023) Note: Furnish Galfan® Coated Steel Mesh for use with Launched Soil Nails™, SuperNails®, or Self Drilling SuperNails® that is a double twisted hexagonal galvanized steel wire mesh manufactured according to ASTM A975-97 guidelines for Double Twisted Hexagonal Mesh Gabions. Alternately, the mesh may be a diamond shaped, three dimensional mesh made with high capacity 3-millimeter diameter wire. Furnish steel plates to connect the mesh to the nail systems described herein. Furnish equipment and incidentals necessary to complete the work. Soil Nail to mesh connection details will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals.		
31 32 36 11-0025	SF		High Capacity Diamond Mesh .....11.00 Note: sold per square face foot		
31 32 36 11-0026	SF		Double Twist Wire Mesh .....13.75 Note: sold per square face foot		
31 32 36 11-0027			Steel Plates ^(31 32 36 11-0023)		
31 32 36 11-0028	EA		Galvanized Steel Plates (8x8).....	35.00	
31 32 36 11-0029	EA		Galvanized Steel Plates (10x10).....	54.75	
31 32 36 11-0030	EA		Galvanized Steel Plates (12x12).....	78.75	
31 32 36 11-0031	EA		Epoxy Coated Steel Plates (8x8).....	76.00	
31 32 36 11-0032	EA		Epoxy Coated Steel Plates (10x10).....	89.25	
31 32 36 11-0033	EA		Epoxy Coated Steel Plates (12x12).....	105.25	
31 32 36 11-0034			Drilled Horizontal Drains ^(31 32 36 11-0001) Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 32 36 11-0035	LF	Drilled PVC Horizontal Drains (up to 2" Diameter).....	26.00	
31 32 36 11-0036	LF	Stripdrain - 6" Wide.....	3.25	
31 32 36 11-0037	LF	Stripdrain - 12" Wide.....	4.00	
31 32 36 11-0038	LF	PVC Drain Collector Pipe System.....	26.75	

31 32 36 11-0039

Rockfall Stabilization (31 32 36 11-0001)

Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

31 32 36 11-0040	SF	Scaling.....	3.75	
31 32 36 11-0041	SF	Trim Blasting.....	155.00	
31 32 36 11-0042	SY	Slope Drape - Double Twist Wire Mesh.....	45.00	
31 32 36 11-0043	SY	Slope Drape - Cable Net.....	135.00	
31 32 36 11-0044	SY	Slope Drape - Tecco Mesh (4mm).....	135.00	
31 32 36 11-0045	LF	Temporary Rockfall Barrier.....	500.00	
31 32 36 11-0046	LF	Low Reach Drilling (<25 feet).....	25.00	
31 32 36 11-0047	LF	High Reach Drilling (>25 feet).....	45.00	
31 32 36 11-0048	LF	Limited Access Drilling.....	100.00	
31 32 36 11-0049	LF	F&I Rock Dowel - #8 Grade 75 All-Thread Bar (Galvanized).....	18.50	
31 32 36 11-0050	LF	F&I Rock Dowel - #8 Grade 75 All-Thread Bar (Epoxy Coated).....	15.25	
31 32 36 11-0051	LF	F&I Rock Dowel - #8 Grade 150 All-Thread Bar (Galvanized).....	23.25	
31 32 36 11-0052	LF	F&I Rock Dowel - #8 Grade 150 All-Thread Bar (Epoxy Coated).....	17.25	
31 32 36 11-0053	LF	F&I Rock Dowel - #10 Grade 75 All-Thread Bar (Galvanized).....	23.50	
31 32 36 11-0054	LF	F&I Rock Dowel - #10 Grade 75 All-Thread Bar (Epoxy Coated).....	18.75	
31 32 36 11-0055	LF	F&I Rock Dowel - #10 Grade 150 All-Thread Bar (Galvanized).....	26.50	
31 32 36 11-0056	LF	F&I Rock Dowel - #10 Grade 150 All-Thread Bar (Epoxy Coated).....	21.00	
31 32 36 11-0057	LF	F&I Rock Dowel - #11 Grade 75 All-Thread Bar (Galvanized).....	29.25	
31 32 36 11-0058	LF	F&I Rock Dowel - #11 Grade 75 All-Thread Bar (Epoxy Coated).....	21.00	
31 32 36 11-0059	LF	F&I Rock Dowel - #11 Grade 150 All-Thread Bar (Galvanized).....	34.50	
31 32 36 11-0060	LF	F&I Rock Dowel - #11 Grade 150 All-Thread Bar (Epoxy Coated).....	31.75	
31 32 36 11-0061	EA	Rock Anchor Testing.....	825.00	

31 32 36 11-0062

Mobilization / Demobilization (31 32 36 11-0001)

31 32 36 11-0063	EA	Mobilization - In State.....	10,000.00	
31 32 36 11-0064	EA	Mobilization - Out Of State.....	25,000.00	
31 32 36 11-0065	EA	Mobilization - Specialty Equipment Adder.....	9,800.00	

31 32 36 11-0066

Daily Crew Rates (DCR) (31 32 36 11-0001)

31 32 36 11-0067	DAY	Soils Stabilization Crew - DCR, Per Workday.....	13,150.00	
31 32 36 11-0068	DAY	Rockfall Stabilization Crew - DCR, Per Workday.....	15,200.00	
31 32 36 11-0069	DAY	Compaction Grouting Crew - DCR, Per Workday.....	12,925.00	
31 32 36 11-0070	DAY	Additional Crew Member/Crew - DCR, Per Workday.....	2,050.00	
31 32 36 11-0071	EA	Out of State Crew Rotation.....	4,950.00	
31 32 36 11-0072	EA	Spider Excavation.....	5,500.00	

31 32 36 13

Driven Soil Nailing (31 32 36)

31 32 36 13-0001

Large Diameter Micropiles (31 32 36 13)

Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

31 32 36 13-0002	LF	5" Micropiles (with up to 5.5" steel casing).....	94.50	
31 32 36 13-0003	LF	7" Micropiles (with up to 7.625" steel casing).....	130.25	
31 32 36 13-0004	LF	10" Micropiles (with up to 9.625" steel casing).....	166.50	
31 32 36 13-0005	LF	12" Micropiles (with up to 11.875" steel casing).....	213.25	

31 32 36 16

Grouted Soil Nailing (31 32 36)

31 32 36 16-0001

Grouting (31 32 36 16)

Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

31 32 36 16-0002

Compaction Grouting (31 32 36 16-0001)

Note: A. Furnish compaction grout material manufactured on-site (at the project location) in volumetric batching equipment so that grout rheology can be controlled real-time. The grout shall have a slump of 0.50" to 3.0" depending on the specific requirements of the project and shall conform to the engineering plans developed and submitted by the Contractor. Grout components shall consist of Type I/II cement, potable water and aggregate. Fly Ash may be added to the mix per the engineering plans. All aggregate for the compaction grout material shall meet the following requirements: a. 100% passing the 1/2" sieve b. Less than 2% organics c. No bentonite or other clay of medium to high plasticity shall be used. Site conditions and re-leveling requirements shall determine the exact proportions of cement, water and soil. The grout mix shall generally consist of aggregate with up to 12% cement by weight and water to form a very stiff mortar-like mixture. No admixtures shall be used without the Project Manager's approval, and previous testing. Mix design and test results of grout mixture must be submitted and approved by the Project Manager 15 Days prior to the commencement of the work. A. Gradations of the aggregate material to be utilized shall be submitted as part of the submittal process and prior to any work taking place. B. The compaction grouting mixer shall be of a type to ensure complete mixing of the stiff grout, as approved by the Project Manager. The compaction grout mixer shall be of sufficient capacity to continuously deliver grout having a slump of less than 1.5 inches at pressures up to 1,000 psi, at flow rates ranging from 0.1 to 5.0 cubic feet per minute. Gauges shall be provided at the pump and the grout pipe head to measure pressure the rate of flow. Type and location of gauges shall be as specified by the Contractor. A dial gauge or meter capable of measuring to 0.5 cubic feet or less shall be provided to measure the amount of grout pumped into the hole. A pressure gauge shall be graduated in 10-psi increments or less and used to measure the applied pressure. Compaction grout hose shall have a minimum inside diameter of 2 inches with non-restrictive full flow couplings. The hose shall be of sufficient strength for the pressures anticipated, and shall be in good condition.

31	31	Earthwork
	31 30	Earthwork Methods
	31 32	Soil Stabilization

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 32 36 16-0003	LF		Compaction Grouting Casing Installation.....	52.75	
31 32 36 16-0004	CF		Compaction Grout Injection for Soils Densification.....	55.50	
31 32 36 16-0005	CF		Compaction Grout For Void Fill.....	39.00	

31 32 36 16-0006

Polyurethane Grouting (31 32 36 16-0001)

Note: The material shall be a two part 1:1 ratio by volume, polyurethane-forming mixture, having a water insoluble diluent, which permits the formation of polyurethanes in excess water. The material shall reach 90% Compressive strength in 30 minutes such that traffic may be returned to roadway within 30 minutes after last injection of material. Polyurethane Free-rise Physical Properties Property I Units ASTM Minimum Maximum Density - lb/cf D 1622 3.0 lb/cf 6.0 lb/cf Tensile Strength - psi D 1623 80 psi Compressive Strength at Yield Point - psi D 1621 60 psi Furnish equipment and incidentals necessary to complete the work. Polyurethane grout shall not be used for deep injection (deeper than 3' below bottom of structure) or soils densification, it shall only be used for void filling under structures and for re-leveling. The Contractor shall prepare a profile to determine the areas that require void filling and re-leveling and determine the locations of the injection holes for each treated area. The Contractor shall obtain approval for the final proposed grades and the location of injection holes. The Contractor shall submit a plan for approval of the proposed polyurethane injection methods for the designated project areas. The plan shall include, but not be limited to: proposed diameter of casing (if required), depth of placement, angle of inclination, injection tube spacing, and project staging. The plan shall include monitoring procedures to ensure that damage will not occur to any existing structures due to the injection process. Monitoring devices shall be installed on mechanically stabilized earth retaining systems and between approach slabs and approach slab footings or other components to help prevent damage. The Contractor shall drill a pattern of holes as proposed in his plan. The holes shall be located in a manner that the void filling and structure lifting process does not affect any adjoining structures, such as mechanically stabilized earth retaining walls. Holes shall not be drilled within 4" of the edge of the slab, construction joints or major cracks. No more holes shall be drilled and tubes installed during the day than can be filled during that day. On bridge approach and roadway projects, and as applicable, the initial lift shall be at the sleeper footer. The Contractor shall lift the sleeper footer and the approach slab to the desired elevation by injecting material under the structures with care to assure that polyurethane material is not placed between the sleeper footer and the approach slab. The amount of rise shall be controlled by regulating the rate of injection of the high density polyurethane material. When the nozzle is removed from the hole, any excessive polyurethane material shall be removed from the area.

31 32 36 16-0007	LB		Polyurethane Grouting For Void Fill and Re-Leveling.....	11.50	
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31 32 36 19 Corrosion-Protected Soil Nailing (31 32 36)

31 32 36 19-0001

Self-Drilling SuperNails® / SuperMicropiles™ (31 32 36 19)

Note: Furnish Self-Drilling SuperNails® / SuperMicropiles™ that consist of a hollow, threaded bar with a sacrificial drill bit. Multiple bars may be coupled to produce final length. Bar thread pattern should be continuous and conform to the pullout requirements of ASTM A 615 (Williams Form Engineering B7X or Ischebeck Titan bars, or approved equivalent). R-thread bars, bars/couplers made from high carbon (>0.20%) or high phosphorous (>0.06%) steels, or bars/couplers made from steels that do not meet the tensile ductility requirements of ASTM A 615 shall not be used for any tensile applications. Bar outer diameters shall be a minimum of 1.5 inches and up to and 3 inches depending on design load. Corrosion Protection for Self Drilling Nails shall follow current FHWA guidance. Inserted length and spacing of Self-Drilling SuperNails® / SuperMicropiles™ will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals. Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

31 32 36 19-0002

Self-Drilling SuperNails® (31 32 36 19-0001)

31 32 36 19-0003	EA		Self Drilling SuperNails® Up To 10 Ft. Length.....	559.00	
31 32 36 19-0004	EA		Self Drilling SuperNails® Up To 20 Ft. Length.....	939.25	
31 32 36 19-0005	EA		Self Drilling SuperNails® Up To 30 Ft. Length.....	1,305.75	
31 32 36 19-0006	EA		Self Drilling SuperNails® Up To 40 Ft. Length.....	1,735.75	
31 32 36 19-0007	EA		Self Drilling SuperNails® Up To 50 Ft. Length.....	2,119.75	
31 32 36 19-0008	EA		Self Drilling SuperNails® Up To 60 Ft. Length.....	2,459.25	
31 32 36 19-0009	EA		Self Drilling SuperNails® Up To 70 Ft. Length.....	2,879.25	
31 32 36 19-0010	EA		Self Drilling SuperNails® Up To 80 Ft. Length.....	3,253.50	
31 32 36 19-0011	EA		Additional Cost for 10' High Capacity X-51 Bar.....	129.50	

31 32 36 19-0012

SuperNail® Testing (31 32 36 19)

Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

31 32 36 19-0013	EA		SuperNail® Proof Testing.....	769.00	
31 32 36 19-0014	EA		SuperNail® Verification Testing.....	2,339.75	

31 32 36 26 Launched Soil Nailing (31 32 36)

31 32 36 26-0001

Launched SuperDrain™ (Horizontal Drains) (31 32 36 26)

Note: Furnish Launched SuperDrain™ up to 20 feet in length composed of a tube (1.5 inch outside diameter, 0.120 inch wall thickness hot-dipped galvanized 36ksi steel (ASTM A513) that is mechanically deformed or GalvaDized™ to produce a plurality of surficial asperities). Drainage perforations consist of 0.5-inch diameter holes drilled or torch-cut at 6 inch spacing along the distal 5 feet of nail. Every other hole is rotated 90° about the longitudinal axis of the nail. Furnish equipment and incidentals necessary to complete the work. Insert Launched SuperDrain™ with a single stroke at initial velocities in excess of 200 miles per hour. Inserted length and spacing will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals. Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

31 32 36 26-0002	EA		GalvaDized™ SuperDrain™ - Up To 20'.....	605.00	
Note: perforated GalvaDized™ steel tube up to 20 ft. length.					
31 32 36 26-0003	EA		Fiberglass SuperNail® - Up To 20'.....	621.50	
Note: perforated fiberglass tube up to 20 ft. length, pressure grouted with #6 epoxy coated inner Bar.					
31 32 36 26-0004	EA		GalvaDized™ SuperNail® - Up To 20'.....	478.50	
Note: perforated GalvaDized™ steel tube up to 20 ft. length, pressure grouted with #6 epoxy coated inner Bar.					
31 32 36 26-0005	EA		Temporary Launched Soil Nail.....	379.50	
Note: bare steel tube up to 20 ft. length.					
31 32 36 26-0006	EA		Fiberglass SuperDrain™.....	495.00	
Note: perforated fiberglass tube up to 20 ft. length.					
31 32 36 26-0007	EA		GalvaDized™ SuperDrain™.....	379.50	
Note: perforated GalvaDized™ steel tube up to 20 ft. length.					

31 32 36 29 Drilled Soil Nailing (31 32 36)

31 32 36 29-0001		Drilled SuperNails® (Permanently Cased Soil Nails) (31 32 36 29) Note: Furnish SuperNails® that are a three stage construction including installation of (1) an outer tube (1.5 inch outside diameter, 0.120 inch wall thickness hot-dipped galvanized steel tube that is mechanically deformed or GalvaDized™ to produce a plurality of surficial asperities); (2) neat cement grout that completely encases and fills the outer tube; and (3) immediately install an epoxy coated, #6 (or greater) grade 75 thread bar as the inner bar. SuperNails® may be in lengths up to 60 feet. Although field adjustments in design may be allowed on certain projects (subject to approval by the Contractor's Engineer and the Owner) bidding an equivalent system is not allowed (i.e. the winning bidder must have the ability to install the above system). Furnish equipment and incidentals necessary to complete the work. Insert SuperNail® outer tubes with a single stroke at initial velocities in excess of 200 miles per hour or by drilling a hole to a prescribed depth and inserting the outer tube. Fill the outer tube with neat cement grout and immediately insert a #6 or larger epoxy coated inner thread bar. Inserted length and spacing will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals. Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).
31 32 36 29-0002	EA	Drilled GalvaDized™ SuperNail® Up To 10 Ft. Length 602.25 Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.
31 32 36 29-0003	EA	Drilled GalvaDized™ SuperNail® Up To 20 Ft. Length 693.50 Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.
31 32 36 29-0004	EA	Drilled GalvaDized™ SuperNail® Up To 30 Ft. Length 921.50 Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.
31 32 36 29-0005	EA	Drilled GalvaDized™ SuperNail® Up To 40 Ft. Length 1,056.00 Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.
31 32 36 29-0006	EA	Drilled GalvaDized™ SuperNail® Up To 50 Ft. Length 1,171.50 Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.
31 32 36 29-0007	EA	Drilled GalvaDized™ SuperNail® Up To 60 Ft. Length 1,376.50 Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.
31 32 36 29-0008	EA	Drilled GalvaDized™ SuperNail® Up To 70 Ft. Length 1,624.75 Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.
31 32 36 29-0009	EA	Drilled GalvaDized™ SuperNail® Up To 80 Ft. Length 1,872.75 Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.

31 32 36 33 Drilled / Launched Soil Nailing (31 32 36)

31 32 36 33-0001		Drilled / Launched SuperMicropiles™ (31 32 36 33) Note: Furnish SuperMicropiles™ that are a three stage construction including installation of (1) an outer tube (1.5 inch outside diameter, 0.120 inch wall thickness hot-dipped galvanized steel tube that is mechanically deformed or GalvaDized™ to produce a plurality of surficial asperities); (2) neat cement grout that completely encases and fills the outer tube; and (3) immediately install an epoxy coated, #6 (or greater) grade 75 thread bar as the inner bar. SuperMicropiles™ may be in lengths up to 60 feet. Although field adjustments in design may be allowed on certain projects (subject to approval by the Contractor's Engineer and the Owner) bidding an equivalent system is not allowed (i.e. the winning bidder must have the ability to install the above system). Furnish equipment and incidentals necessary to complete the work. Insert SuperMicropile™ outer tubes with a single stroke at initial velocities in excess of 200 miles per hour or by drilling a hole to a prescribed depth and inserting the outer tube. Fill the outer tube with neat cement grout and immediately insert a #6 or larger epoxy coated inner thread bar. Inserted length and spacing will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals.
31 32 36 33-0002	EA	Drilled / Launched GalvaDized™ SuperMicropiles™ Up To 20 Ft. Length 695.00 Note: GalvaDized™ steel tube, grouted with #6 epoxy coated inner Bar.
31 32 36 33-0003	EA	Drilled / Launched GalvaDized™ SuperMicropiles™ Up To 30 Ft. Length 1,020.00 Note: GalvaDized™ steel tube, grouted with #6 epoxy coated inner Bar.
31 32 36 33-0004	EA	Drilled / Launched GalvaDized™ SuperMicropiles™ Up To 40 Ft. Length 1,280.00 Note: GalvaDized™ steel tube, grouted with #6 epoxy coated inner Bar.
31 32 36 33-0005	EA	Drilled / Launched GalvaDized™ SuperMicropiles™ Up To 50 Ft. Length 1,540.00 Note: GalvaDized™ steel tube, grouted with #6 epoxy coated inner Bar.

31 35 Slope Protection (31 30)

31 35 19 Geosynthetic Slope Protection (31 35)

31 35 19 19 Slope Protection with Mulch Control Netting (31 35 19)
Note: Includes stakes.

31 35 19 19-0001		Erosion Control Fabric (31 35 19 19)
31 35 19 19-0002	SY	26.6 OZ/SY Erosion Control Fabric (Belton Industries Geocoir 900) 5.45

31 37 Riprap (31 30)

Note: Includes the cost for loading, hauling up to 15 miles from the closest approved source, and dumping. See CSI section 01 74 19 00-0045 for hauling greater than 15 miles.

31 37 13 Machined Riprap (31 37)

31 37 13 00-0001		Random - Filter Stone (31 37 13)
31 37 13 00-0002	CY	10 To 50 Lb. Average Pieces Random, Dumped From Truck, Rip Rap 86.84 <i>For Chinking Material, Add</i> 14.10
31 37 13 00-0003	CY	>50 To 100 Lb. Average Pieces Random, Dumped From Truck, Rip Rap 101.79 <i>For Chinking Material, Add</i> 14.10
31 37 13 00-0004	CY	>100 To 200 Lb. Average Pieces Random, Dumped From Truck, Rip Rap 108.83 <i>For Chinking Material, Add</i> 14.10
31 37 13 00-0005	CY	>200 To 300 Lb. Average Pieces Random, Dumped From Truck, Rip Rap 116.84 <i>For Chinking Material, Add</i> 14.10
31 37 13 00-0006	CY	>300 To 600 Lb. Average Pieces Random, Dumped From Truck, Rip Rap 123.31 <i>For Chinking Material, Add</i> 14.10
31 37 13 00-0007	CY	>600 Lb. Average Pieces Random, Dumped From Truck, Rip Rap 133.88

13	31	Earthwork
	31 30	Earthwork Methods
	31 37	Riprap

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
31 37 13 00-0008	CY	3/8 To 1/4 CY Pieces Random, Dumped From Truck, Machine Spread And Placed Slope Protection (Keyed) Rip Rap	150.74		
31 37 13 00-0009	TON	10 To 50 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	57.03		
31 37 13 00-0010	TON	>50 To 100 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	66.52		
31 37 13 00-0011	TON	>100 To 200 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	70.99		
31 37 13 00-0012	TON	>200 To 300 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	76.07		
31 37 13 00-0013	TON	>300 To 600 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	80.18		
31 37 13 00-0014	TON	>600 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	86.97		
31 37 13 00-0015	TON	3/8 To 1/4 CY Pieces Random, Dumped From Truck, Machine Spread And Placed Slope Protection (Keyed) Rip Rap	100.76		

31 40 Shoring and Underpinning ⁽³¹⁾

31 41 Shoring ^(31 40)

31 41 13 Timber Shoring ^(31 41)

31 41 13 00-0001 Wood Sheet Piling ^(31 41 13)

31 41 13 00-0002 Pull And Salvage ^(31 41 13 00-0001)

Note: Includes soldier beams and lagging (wales, braces and spacers). Excludes tie-back (rock bolting) where required and excavation.

31 41 13 00-0003	SF	8' Deep Excavation, Wood Shoring, Pull And Salvage	14.35		
		For Wood Sheeting Left In Place	-1.13		
31 41 13 00-0004	SF	10' Deep Excavation, Wood Shoring, Pull And Salvage	15.53		
		For Wood Sheeting Left In Place	-1.35		
31 41 13 00-0005	SF	12' Deep Excavation, Wood Shoring, Pull And Salvage	16.81		
		For Wood Sheeting Left In Place	-1.58		
31 41 13 00-0006	SF	14' Deep Excavation, Wood Shoring, Pull And Salvage	18.20		
		For Wood Sheeting Left In Place	-1.85		
31 41 13 00-0007	SF	16' Deep Excavation, Wood Shoring, Pull And Salvage	19.71		
		For Wood Sheeting Left In Place	-2.14		
31 41 13 00-0008	SF	18' Deep Excavation, Wood Shoring, Pull And Salvage	21.33		
		For Wood Sheeting Left In Place	-2.48		
31 41 13 00-0009	SF	20' Deep Excavation, Wood Shoring, Pull And Salvage	23.12		
		For Wood Sheeting Left In Place	-2.84		

31 41 16 Sheet Piling ^(31 41)

31 41 16 13 Steel Sheet Piling ^(31 41 16)

31 41 16 13-0001 Standard Carbon Grade Steel Sheeting - Pull And Salvage ^(31 41 16 13)

Note: Up to 3 months. 38.5 KSI steel per SF minimum. PSF indicated is for the weight of the material per square foot. Includes soldier beams and lagging (wales, braces and spacers). Excludes tie-back (rock bolting) where required and excavation.

31 41 16 13-0002	TON	Driven Steel Sheet Piling, 15' Excavation, 22 PSF Steel Sheeting, Pull And Salvage	2,272.20		
		For Standard Sheeting Left In Place, Add	1,191.66		
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	1,146.02		
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	102.70		
		For High Strength Sheeting 55,000 PSI Grade, Add	114.11		
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	353.73		
		For Each Additional Month >3 Months, Add	57.05		
31 41 16 13-0003	TON	Driven Steel Sheet Piling, 20' Excavation, 27 PSF Steel Sheeting, Pull And Salvage	2,363.88		
		For Standard Sheeting Left In Place, Add	1,145.82		
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	1,100.18		
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	102.70		
		For High Strength Sheeting 55,000 PSI Grade, Add	114.11		
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	353.73		
		For Each Additional Month >3 Months, Add	57.05		
31 41 16 13-0004	TON	Driven Steel Sheet Piling, 25' Excavation, 38 PSF Steel Sheeting, Pull And Salvage	2,790.10		
		For Standard Sheeting Left In Place, Add	932.71		
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	887.07		
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	102.70		
		For High Strength Sheeting 55,000 PSI Grade, Add	114.11		
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	353.73		
		For Each Additional Month >3 Months, Add	57.05		
31 41 16 13-0005	TON	Driven Steel Sheet Piling, 30' Excavation, 38 PSF Steel Sheeting, Pull And Salvage	3,200.24		
		For Standard Sheeting Left In Place, Add	727.64		
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	682.00		
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	102.70		
		For High Strength Sheeting 55,000 PSI Grade, Add	114.11		
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	353.73		
		For Each Additional Month >3 Months, Add	57.05		
31 41 16 13-0006	TON	Driven Steel Sheet Piling, 35' Excavation, 38 PSF Steel Sheeting, Pull And Salvage	3,441.49		
		For Standard Sheeting Left In Place, Add	607.02		
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	561.38		
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	102.70		
		For High Strength Sheeting 55,000 PSI Grade, Add	114.11		
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	353.73		
		For Each Additional Month >3 Months, Add	57.05		
31 41 16 13-0007	TON	Driven Steel Sheet Piling, 40' Excavation, 38 PSF Steel Sheeting, Pull And Salvage	3,687.58		
		For Standard Sheeting Left In Place, Add	483.97		
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	438.33		
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	102.70		
		For High Strength Sheeting 55,000 PSI Grade, Add	114.11		
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	353.73		
		For Each Additional Month >3 Months, Add	57.05		

		Earthwork	31	CS
		Shoring and Underpinning	31 40	
		Concrete Raising	31 43	
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
		UNIT COST	UNIT COST	

31 43 Concrete Raising ^(31 40)

31 43 13 Pressure Grouting ^(31 43)

31 43 13 16 Polyurethane Pressure Grouting ^(31 43 13)

31 43 13 16-0001 PolyLift™ Concrete Injection For Lifting And Leveling ^(31 43 13 16)

31 43 13 16-0002	EA	Mobilization PolyLift™ Concrete Lifting And Leveling Minimum Charge.....	3,568.38
31 43 13 16-0003	LB	Up To 1,000 Lb. PolyLift™ Concrete Injection For Lifting And Leveling	30.42
Note: Per pound of material.			
31 43 13 16-0004	LB	>1,000 Lb. PolyLift™ Concrete Injection For Lifting And Leveling	25.48
Note: Per pound of material.			

31 45 Vibroflotation and Densification ^(31 40)

31 45 13 Vibroflotation ^(31 45)

31 45 13 00-0001	LCY	Soil Stabilization, Vibroflotation.....	18.18
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31 60 Special Foundations and Load-bearing Elements ⁽³¹⁾

31 62 Driven Piles ^(31 60)

31 62 13 Concrete Piles ^(31 62)

31 62 13 23 Prestressed Concrete Piles ^(31 62 13)

31 62 13 23-0001 Square Prestressed Driven Concrete Piles ^(31 62 13 23)

31 62 13 23-0002	VLF	10" Square Prestressed Driven Concrete Pile	35.56
For Piles Driven In Water, Add			17.30
31 62 13 23-0003	VLF	12" Square Prestressed Driven Concrete Pile	44.61
For Piles Driven In Water, Add			19.50
31 62 13 23-0004	VLF	14" Square Prestressed Driven Concrete Pile	54.05
For Piles Driven In Water, Add			21.43
31 62 13 23-0005	VLF	16" Square Prestressed Driven Concrete Pile	66.20
For Piles Driven In Water, Add			23.80
31 62 13 23-0006	VLF	18" Square Prestressed Driven Concrete Pile	80.35
For Piles Driven In Water, Add			26.54
31 62 13 23-0007	VLF	20" Square Prestressed Driven Concrete Pile	92.95
For Piles Driven In Water, Add			29.35
31 62 13 23-0008	VLF	24" Square Prestressed Driven Concrete Pile	118.52
For Piles Driven In Water, Add			33.72

31 62 13 23-0009 Octagonal Prestressed Driven Concrete Piles ^(31 62 13 23)

31 62 13 23-0010	VLF	12" Octagonal Prestressed Driven Concrete Pile	39.94
For Piles Driven In Water, Add			18.14
31 62 13 23-0011	VLF	14" Octagonal Prestressed Driven Concrete Pile	49.00
For Piles Driven In Water, Add			19.94
31 62 13 23-0012	VLF	16" Octagonal Prestressed Driven Concrete Pile	58.18
For Piles Driven In Water, Add			21.85
31 62 13 23-0013	VLF	18" Octagonal Prestressed Driven Concrete Pile	69.55
For Piles Driven In Water, Add			24.14
31 62 13 23-0014	VLF	20" Octagonal Prestressed Driven Concrete Pile	74.04
For Piles Driven In Water, Add			25.91
31 62 13 23-0015	VLF	24" Octagonal Prestressed Driven Concrete Pile	78.80
For Piles Driven In Water, Add			27.93

31 62 13 23-0016 Straight Cylinder Prestressed Driven Concrete Piles ^(31 62 13 23)

31 62 13 23-0017	VLF	12" Diameter, 2-3/8" Wall, Straight Cylinder Prestressed Driven Concrete Pile	57.28
For Piles Driven In Water, Add			19.08
31 62 13 23-0018	VLF	14" Diameter, 2-1/2" Wall, Straight Cylinder Prestressed Driven Concrete Pile	67.85
For Piles Driven In Water, Add			20.93
31 62 13 23-0019	VLF	16" Diameter, 3" Wall, Straight Cylinder Prestressed Driven Concrete Pile	80.36
For Piles Driven In Water, Add			23.08
31 62 13 23-0020	VLF	18" Diameter, 3-1/2" Wall, Straight Cylinder Prestressed Driven Concrete Pile	90.89
For Piles Driven In Water, Add			25.12
31 62 13 23-0021	VLF	20" Diameter, 4" Wall, Straight Cylinder Prestressed Driven Concrete Pile	114.18
For Piles Driven In Water, Add			28.60
31 62 13 23-0022	VLF	24" Diameter, 5" Wall, Straight Cylinder Prestressed Driven Concrete Pile	141.06
For Piles Driven In Water, Add			32.61

31 62 16 Steel Piles ^(31 62)

31 62 16 16 Steel H Piles ^(31 62 16)

31 62 16 16-0001 Rolled, Driven Steel H Piles ^(31 62 16 16)

31 62 16 16-0002	VLF	8" x 8" x 36 Lb./FT, Rolled, Driven Steel H Pile	35.67
For Piles Driven In Water, Add			18.61
31 62 16 16-0003	VLF	10" x 10" x 42 Lb./FT, Rolled, Driven Steel H Pile	39.65
For Piles Driven In Water, Add			19.74
31 62 16 16-0004	VLF	10" x 10" x 57 Lb./FT, Rolled, Driven Steel H Pile	47.55
For Piles Driven In Water, Add			20.53

13	31	Earthwork
	31 60	Special Foundations and Load-bearing Elements
	31 62	Driven Piles



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
31 62 16 16-0005	VLF	12" x 12" x 53 Lb./FT, Rolled, Driven Steel H Pile	45.97	
		For Piles Driven In Water, Add	20.85	
31 62 16 16-0006	VLF	12" x 12" x 63 Lb./FT, Rolled, Driven Steel H Pile	51.24	
		For Piles Driven In Water, Add	21.38	
31 62 16 16-0007	VLF	12" x 12" x 74 Lb./FT, Rolled, Driven Steel H Pile	58.53	
		For Piles Driven In Water, Add	23.46	
31 62 16 16-0008	VLF	12" x 12" x 84 Lb./FT, Rolled, Driven Steel H Pile	63.80	
		For Piles Driven In Water, Add	23.98	
31 62 16 16-0009	VLF	14" x 14" x 73 Lb./FT, Rolled, Driven Steel H Pile	58.48	
		For Piles Driven In Water, Add	23.88	
31 62 16 16-0010	VLF	14" x 14" x 89 Lb./FT, Rolled, Driven Steel H Pile	67.44	
		For Piles Driven In Water, Add	24.78	
31 62 16 16-0011	VLF	14" x 14" x 102 Lb./FT, Rolled, Driven Steel H Pile	75.43	
		For Piles Driven In Water, Add	27.08	
31 62 16 16-0012	VLF	14" x 14" x 117 Lb./FT, Rolled, Driven Steel H Pile	83.85	
		For Piles Driven In Water, Add	27.92	
31 62 16 16-0013	Splices, Caps, And Points For H-Piles (31 62 16 16)			
31 62 16 16-0014	Rolled Steel H Pile Splices (31 62 16 16-0013)			
31 62 16 16-0015	EA	8" Rolled Steel H Pile Splice	313.86	
31 62 16 16-0016	EA	10" Rolled Steel H Pile Splice	351.27	
31 62 16 16-0017	EA	12" Rolled Steel H Pile Splice	482.02	
31 62 16 16-0018	EA	14" Rolled Steel H Pile Splice	500.73	
31 62 16 16-0019	Rolled Steel H Driving Caps (31 62 16 16-0013)			
31 62 16 16-0020	EA	8" Rolled Steel H Driving Cap	3,112.03	
31 62 16 16-0021	EA	10" Rolled Steel H Driving Cap	3,112.03	
31 62 16 16-0022	EA	12" Rolled Steel H Driving Cap	3,170.84	
31 62 16 16-0023	EA	14" Rolled Steel H Driving Cap	4,760.61	
31 62 16 16-0024	Rolled Steel H Standard Pile Points (31 62 16 16-0013)			
31 62 16 16-0025	EA	8" Rolled Steel H Standard Pile Point	332.57	
31 62 16 16-0026	EA	10" Rolled Steel H Standard Pile Point	351.27	
31 62 16 16-0027	EA	12" Rolled Steel H Standard Pile Point	482.02	
31 62 16 16-0028	EA	14" Rolled Steel H Standard Pile Point	538.13	
31 62 16 16-0029	EA	10" Rolled Steel H Standard Pile Point	482.02	
31 62 16 16-0030	EA	14" Rolled Steel H Standard Pile Point	574.36	
31 62 16 19	Unfilled Tubular Steel Piles (31 62 16)			
31 62 16 19-0001	Unfilled Tubular Driven Steel Piles (31 62 16 19)			
31 62 16 19-0002	VLF	8" Diameter x 29 Lb./FT, Unfilled Tubular Driven Steel Pile	64.30	
		For Piles Driven In Water, Add	25.67	
31 62 16 19-0003	VLF	8" Diameter x 36 Lb./FT, Unfilled Tubular Driven Steel Pile	75.03	
		For Piles Driven In Water, Add	26.75	
31 62 16 19-0004	VLF	8" Diameter x 43 Lb./FT, Unfilled Tubular Driven Steel Pile	86.62	
		For Piles Driven In Water, Add	27.90	
31 62 16 19-0005	VLF	10" Diameter x 34 Lb./FT, Unfilled Tubular Driven Steel Pile	75.03	
		For Piles Driven In Water, Add	26.75	
31 62 16 19-0006	VLF	10" Diameter x 41 Lb./FT, Unfilled Tubular Driven Steel Pile	85.22	
		For Piles Driven In Water, Add	27.76	
31 62 16 19-0007	VLF	10" Diameter x 55 Lb./FT, Unfilled Tubular Driven Steel Pile	107.75	
		For Piles Driven In Water, Add	30.02	
31 62 16 19-0008	VLF	12" Diameter x 42 Lb./FT, Unfilled Tubular Driven Steel Pile	88.79	
		For Piles Driven In Water, Add	29.13	
31 62 16 19-0009	VLF	12" Diameter x 50 Lb./FT, Unfilled Tubular Driven Steel Pile	100.72	
		For Piles Driven In Water, Add	30.32	
31 62 16 19-0010	VLF	12" Diameter x 54 Lb./FT, Unfilled Tubular Driven Steel Pile	107.35	
		For Piles Driven In Water, Add	30.99	
31 62 16 19-0011	VLF	12" Diameter x 65 Lb./FT, Unfilled Tubular Driven Steel Pile	125.91	
		For Piles Driven In Water, Add	32.84	
31 62 16 19-0012	VLF	14" Diameter x 46 Lb./FT, Unfilled Tubular Driven Steel Pile	95.92	
		For Piles Driven In Water, Add	31.97	
31 62 16 19-0013	VLF	14" Diameter x 55 Lb./FT, Unfilled Tubular Driven Steel Pile	109.42	
		For Piles Driven In Water, Add	33.32	
31 62 16 19-0014	VLF	14" Diameter x 64 Lb./FT, Unfilled Tubular Driven Steel Pile	122.92	
		For Piles Driven In Water, Add	34.67	
31 62 16 19-0015	VLF	14" Diameter x 72 Lb./FT, Unfilled Tubular Driven Steel Pile	136.42	
		For Piles Driven In Water, Add	36.02	
31 62 16 19-0016	VLF	16" Diameter x 52 Lb./FT, Unfilled Tubular Driven Steel Pile	106.69	
		For Piles Driven In Water, Add	35.66	
31 62 16 19-0017	VLF	16" Diameter x 63 Lb./FT, Unfilled Tubular Driven Steel Pile	122.48	
		For Piles Driven In Water, Add	37.24	
31 62 16 19-0018	VLF	16" Diameter x 83 Lb./FT, Unfilled Tubular Driven Steel Pile	153.26	
		For Piles Driven In Water, Add	40.32	
31 62 16 19-0019	VLF	18" Diameter x 59 Lb./FT, Unfilled Tubular Driven Steel Pile	132.65	
		For Piles Driven In Water, Add	40.37	
31 62 16 19-0020	VLF	18" Diameter x 71 Lb./FT, Unfilled Tubular Driven Steel Pile	153.16	
		For Piles Driven In Water, Add	42.42	
31 62 16 19-0021	VLF	18" Diameter x 93 Lb./FT, Unfilled Tubular Driven Steel Pile	192.12	
		For Piles Driven In Water, Add	46.32	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 62 16 19-0022	Splices And Points For Pipe Piles (31 62 16 19)	
31 62 16 19-0023	Steel Pipe Pile Splices (31 62 16 19-0022)	
31 62 16 19-0024	EA 8" Diameter, Steel Pipe Pile Splice.....	472.49
31 62 16 19-0025	EA 10" Diameter, Steel Pipe Pile Splice.....	535.09
31 62 16 19-0026	EA 12" Diameter, Steel Pipe Pile Splice.....	669.56
31 62 16 19-0027	EA 14" Diameter, Steel Pipe Pile Splice.....	731.30
31 62 16 19-0028	EA 16" Diameter, Steel Pipe Pile Splice.....	922.38
31 62 16 19-0029	EA 18" Diameter, Steel Pipe Pile Splice.....	1,151.71

31 62 16 19-0030	Steel Pipe Standard Pile Points (31 62 16 19-0022)	
31 62 16 19-0031	EA 8" Diameter, Steel Pipe Standard Pile Point.....	416.60
31 62 16 19-0032	EA 10" Diameter, Steel Pipe Standard Pile Point.....	466.73
31 62 16 19-0033	EA 12" Diameter, Steel Pipe Standard Pile Point.....	539.86
31 62 16 19-0034	EA 14" Diameter, Steel Pipe Standard Pile Point.....	677.73
31 62 16 19-0035	EA 16" Diameter, Steel Pipe Standard Pile Point.....	803.06
31 62 16 19-0036	EA 18" Diameter, Steel Pipe Standard Pile Point.....	916.28

31 62 16 19-0037	Steel Pipe Heavy-Duty Pile Points (31 62 16 19-0022)	
31 62 16 19-0038	EA 10" Diameter, Steel Pipe Heavy-Duty Pile Point.....	581.12
31 62 16 19-0039	EA 12" Diameter, Steel Pipe Heavy-Duty Pile Point.....	643.79
31 62 16 19-0040	EA 14" Diameter, Steel Pipe Heavy-Duty Pile Point.....	738.44
31 62 16 19-0041	EA 16" Diameter, Steel Pipe Heavy-Duty Pile Point.....	989.11
31 62 16 19-0042	EA 18" Diameter, Steel Pipe Heavy-Duty Pile Point.....	1,171.90

31 62 19 Timber Piles (31 62)

31 62 19 00-0001	Friction Or End Bearing, Driven Treated Wood Piles (31 62 19)	
	Note: 12 LB Penta-treated/CF.	
31 62 19 00-0002	LF Up To 30', 12" Butt x 8" Tip, Friction Or End Bearing, Driven Treated Wood Pile	35.65
	For Piles Driven In Water, Add	16.92
	For Untreated Pile, Deduct	-7.70
	For Each Pile Tip Point, Add	12.50
	For Each Pile Butt, Driving Cap, Add	20.10
	For Each Splice For Pile >50', Add	139.40
31 62 19 00-0003	LF >30' To 39', 12" Butt x 8" Tip, Friction Or End Bearing, Driven Treated Wood Pile	37.75
	For Piles Driven In Water, Add	18.81
	For Untreated Pile, Deduct	-7.78
	For Each Pile Tip Point, Add	12.50
	For Each Pile Butt, Driving Cap, Add	20.10
	For Each Splice For Pile >50', Add	139.40
31 62 19 00-0004	LF 39' To 49', 12" Butt x 7" Tip, Friction Or End Bearing, Driven Treated Wood Pile	39.81
	For Piles Driven In Water, Add	20.01
	For Untreated Pile, Deduct	-8.14
	For Each Pile Tip Point, Add	12.50
	For Each Pile Butt, Driving Cap, Add	20.10
	For Each Splice For Pile >50', Add	139.40
31 62 19 00-0005	LF >49' To 59', 13" Butt x 7" Tip, Friction Or End Bearing, Driven Treated Wood Pile	43.03
	For Piles Driven In Water, Add	22.34
	For Untreated Pile, Deduct	-8.51
	For Each Pile Tip Point, Add	12.50
	For Each Pile Butt, Driving Cap, Add	20.10
	For Each Splice For Pile >50', Add	139.40
31 62 19 00-0006	LF >59' To 69', 13" Butt x 6" Tip, Friction Or End Bearing, Driven Treated Wood Pile	53.04
	For Piles Driven In Water, Add	25.36
	For Untreated Pile, Deduct	-11.38
	For Each Pile Tip Point, Add	12.50
	For Each Pile Butt, Driving Cap, Add	20.10
	For Each Splice For Pile >50', Add	139.40
31 62 19 00-0007	LF >69' To 79', 13" Butt x 6" Tip, Friction Or End Bearing, Driven Treated Wood Pile	66.07
	For Piles Driven In Water, Add	30.66
	For Untreated Pile, Deduct	-14.56
	For Each Pile Tip Point, Add	12.50
	For Each Pile Butt, Driving Cap, Add	20.10
	For Each Splice For Pile >50', Add	139.40

31 62 23 Composite Piles (31 62)

31 62 23 13 Concrete-Filled Steel Piles (31 62 23)

31 62 23 13-0001	Concrete-Filled Driven Steel Pipe Piles (31 62 23 13)	
	Note: Includes 4,000 PSI concrete grout. Excludes reinforcing.	
31 62 23 13-0002	VLF 8" Diameter x 29 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	68.11
	For 5,000 PSI Concrete Grout Fill, Add	7.12
	For Piles Driven In Water, Add	27.73
31 62 23 13-0003	VLF 8" Diameter x 36 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	78.84
	For 5,000 PSI Concrete Grout Fill, Add	8.19
	For Piles Driven In Water, Add	28.80
31 62 23 13-0004	VLF 8" Diameter x 43 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	90.43
	For 5,000 PSI Concrete Grout Fill, Add	9.35
	For Piles Driven In Water, Add	29.96
31 62 23 13-0005	VLF 10" Diameter x 34 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	80.52
	For 5,000 PSI Concrete Grout Fill, Add	9.79
	For Piles Driven In Water, Add	29.44

31 Earthwork**31 60 Special Foundations and Load-bearing Elements****31 62 Driven Piles**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

31 62 23 13-0006	VLF 10" Diameter x 41 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	90.71	
	For 5,000 PSI Concrete Grout Fill, Add	10.81	
	For Piles Driven In Water, Add	30.46	
31 62 23 13-0007	VLF 10" Diameter x 55 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	113.25	
	For 5,000 PSI Concrete Grout Fill, Add	13.06	
	For Piles Driven In Water, Add	32.71	
31 62 23 13-0008	VLF 12" Diameter x 42 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	96.49	
	For 5,000 PSI Concrete Grout Fill, Add	12.99	
	For Piles Driven In Water, Add	32.83	
31 62 23 13-0009	VLF 12" Diameter x 50 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	108.42	
	For 5,000 PSI Concrete Grout Fill, Add	14.19	
	For Piles Driven In Water, Add	34.03	
31 62 23 13-0010	VLF 12" Diameter x 54 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	115.05	
	For 5,000 PSI Concrete Grout Fill, Add	14.85	
	For Piles Driven In Water, Add	34.69	
31 62 23 13-0011	VLF 12" Diameter x 65 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	133.61	
	For 5,000 PSI Concrete Grout Fill, Add	16.71	
	For Piles Driven In Water, Add	36.55	
31 62 23 13-0012	VLF 14" Diameter x 46 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	106.48	
	For 5,000 PSI Concrete Grout Fill, Add	15.69	
	For Piles Driven In Water, Add	37.76	
31 62 23 13-0013	VLF 14" Diameter x 55 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	119.98	
	For 5,000 PSI Concrete Grout Fill, Add	17.04	
	For Piles Driven In Water, Add	39.11	
31 62 23 13-0014	VLF 14" Diameter x 64 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	133.48	
	For 5,000 PSI Concrete Grout Fill, Add	18.39	
	For Piles Driven In Water, Add	40.46	
31 62 23 13-0015	VLF 14" Diameter x 72 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	146.98	
	For 5,000 PSI Concrete Grout Fill, Add	19.74	
	For Piles Driven In Water, Add	41.81	
31 62 23 13-0016	VLF 16" Diameter x 52 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	117.84	
	For 5,000 PSI Concrete Grout Fill, Add	19.11	
	For Piles Driven In Water, Add	40.50	
31 62 23 13-0017	VLF 16" Diameter x 63 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	133.62	
	For 5,000 PSI Concrete Grout Fill, Add	20.69	
	For Piles Driven In Water, Add	42.08	
31 62 23 13-0018	VLF 16" Diameter x 83 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	164.40	
	For 5,000 PSI Concrete Grout Fill, Add	23.77	
	For Piles Driven In Water, Add	45.16	
31 62 23 13-0019	VLF 18" Diameter x 59 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	145.95	
	For 5,000 PSI Concrete Grout Fill, Add	24.48	
	For Piles Driven In Water, Add	45.63	
31 62 23 13-0020	VLF 18" Diameter x 71 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	166.46	
	For 5,000 PSI Concrete Grout Fill, Add	26.53	
	For Piles Driven In Water, Add	47.68	
31 62 23 13-0021	VLF 18" Diameter x 93 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	205.42	
	For 5,000 PSI Concrete Grout Fill, Add	30.42	
	For Piles Driven In Water, Add	51.57	

31 62 23 13-0022 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Piles (31 62 23 13)

Note: End bearing, with fluted steel casing, up to 50'. Includes 4,000 PSI concrete. Excludes reinforcing.

31 62 23 13-0023	VLF 12" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile	91.70	
	For Piles Driven In Water, Add	25.20	
31 62 23 13-0024	VLF 14" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile	111.88	
	For Piles Driven In Water, Add	28.37	
31 62 23 13-0025	VLF 16" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile	126.90	
	For Piles Driven In Water, Add	31.19	
31 62 23 13-0026	VLF 18" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile	138.07	
	For Piles Driven In Water, Add	33.86	

31 62 23 13-0027 Tapered Friction Concrete-Filled Driven Steel Piles (31 62 23 13)

Note: With fluted steel casing, up to 50'. Includes 4,000 PSI concrete. Excludes reinforcing.

31 62 23 13-0028	VLF 12" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile	89.88	
	For Piles Driven In Water, Add	25.02	
31 62 23 13-0029	VLF 14" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile	92.07	
	For Piles Driven In Water, Add	26.39	
31 62 23 13-0030	VLF 16" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile	113.01	
	For Piles Driven In Water, Add	29.81	
31 62 23 13-0031	VLF 18" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile	130.72	
	For Piles Driven In Water, Add	33.12	

31 62 23 13-0032 Thin Wall Shell Straight Sided Driven Steel Piles (31 62 23 13)

31 62 23 13-0033	VLF 8" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile	53.00	
	For Piles Driven In Water, Add	18.83	
	For Thick Wall Shell, Add	0.09	
31 62 23 13-0034	VLF 10" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile	58.49	
	For Piles Driven In Water, Add	20.89	
	For Thick Wall Shell, Add	0.10	
31 62 23 13-0035	VLF 12" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile	63.92	
	For Piles Driven In Water, Add	22.93	
	For Thick Wall Shell, Add	0.11	
31 62 23 13-0036	VLF 14" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile	69.39	
	For Piles Driven In Water, Add	24.98	
	For Thick Wall Shell, Add	0.12	

31 62 23 13-0037	VLF	16" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile.....	74.88	
		<i>For Piles Driven In Water, Add</i>	27.03	
		<i>For Thick Wall Shell, Add</i>	0.13	

31 63 Bored Piles (31 60)

31 63 36 Drilled Steel Piles (31 63)

31 63 36 00-0001	Drill Hole (31 63 36)	Note: Excludes removal of excess material.		
31 63 36 00-0002	Drilling Mobilization (31 63 36 00-0001)			
31 63 36 00-0003	EA	>12" To 24" Diameter Hole, Drilling Mobilization	950.28	
31 63 36 00-0004	EA	>24" Diameter Hole, Drilling Mobilization	1,267.04	

31 63 36 00-0005	Drill Hole In Soil (31 63 36 00-0001)			
31 63 36 00-0006	LF	18" Diameter, Up To 24' Depth, Drilled/Augered Hole	53.96	
31 63 36 00-0007	LF	20" Diameter, Up To 24' Depth, Drilled/Augered Hole	62.75	
31 63 36 00-0008	LF	22" Diameter, Up To 24' Depth, Drilled/Augered Hole	73.73	
31 63 36 00-0009	LF	24" Diameter, Up To 24' Depth, Drilled/Augered Hole	86.90	
31 63 36 00-0010	LF	26" Diameter, Up To 24' Depth, Drilled/Augered Hole	93.93	
31 63 36 00-0011	LF	28" Diameter, Up To 24' Depth, Drilled/Augered Hole	103.34	
31 63 36 00-0012	LF	30" Diameter, Up To 24' Depth, Drilled/Augered Hole	113.20	

31 63 36 00-0013 Steel H Piles (31 63 36)

31 63 36 00-0014 Placed In Drilled Hole, Rolled Steel H-Section Piles (31 63 36 00-0013)

31 63 36 00-0015	VLF	8" x 8" x 36 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	32.06	
		<i>For >2,400 To 3,600, Deduct</i>	-1.13	
		<i>For >3,600 To 4,800, Deduct</i>	-2.26	
		<i>For >4,800 To 6,000, Deduct</i>	-3.86	
		<i>For >6,000, Deduct</i>	-5.46	
31 63 36 00-0016	VLF	10" x 10" x 42 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	35.87	
		<i>For >2,400 To 3,600, Deduct</i>	-1.24	
		<i>For >3,600 To 4,800, Deduct</i>	-2.48	
		<i>For >4,800 To 6,000, Deduct</i>	-4.27	
		<i>For >6,000, Deduct</i>	-6.07	
31 63 36 00-0017	VLF	10" x 10" x 57 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	43.77	
		<i>For >2,400 To 3,600, Deduct</i>	-1.44	
		<i>For >3,600 To 4,800, Deduct</i>	-2.88	
		<i>For >4,800 To 6,000, Deduct</i>	-5.06	
		<i>For >6,000, Deduct</i>	-7.25	
31 63 36 00-0018	VLF	12" x 12" x 53 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	42.07	
		<i>For >2,400 To 3,600, Deduct</i>	-1.41	
		<i>For >3,600 To 4,800, Deduct</i>	-2.81	
		<i>For >4,800 To 6,000, Deduct</i>	-4.92	
		<i>For >6,000, Deduct</i>	-7.02	
31 63 36 00-0019	VLF	12" x 12" x 63 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	47.34	
		<i>For >2,400 To 3,600, Deduct</i>	-1.54	
		<i>For >3,600 To 4,800, Deduct</i>	-3.08	
		<i>For >4,800 To 6,000, Deduct</i>	-5.44	
		<i>For >6,000, Deduct</i>	-7.81	
31 63 36 00-0020	VLF	12" x 12" x 74 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	54.31	
		<i>For >2,400 To 3,600, Deduct</i>	-1.74	
		<i>For >3,600 To 4,800, Deduct</i>	-3.48	
		<i>For >4,800 To 6,000, Deduct</i>	-6.20	
		<i>For >6,000, Deduct</i>	-8.91	
31 63 36 00-0021	VLF	12" x 12" x 84 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	59.58	
		<i>For >2,400 To 3,600, Deduct</i>	-1.87	
		<i>For >3,600 To 4,800, Deduct</i>	-3.75	
		<i>For >4,800 To 6,000, Deduct</i>	-6.73	
		<i>For >6,000, Deduct</i>	-9.70	
31 63 36 00-0022	VLF	14" x 14" x 73 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	54.16	
		<i>For >2,400 To 3,600, Deduct</i>	-1.75	
		<i>For >3,600 To 4,800, Deduct</i>	-3.49	
		<i>For >4,800 To 6,000, Deduct</i>	-6.20	
		<i>For >6,000, Deduct</i>	-8.91	
31 63 36 00-0023	VLF	14" x 14" x 89 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	63.12	
		<i>For >2,400 To 3,600, Deduct</i>	-1.97	
		<i>For >3,600 To 4,800, Deduct</i>	-3.94	
		<i>For >4,800 To 6,000, Deduct</i>	-7.10	
		<i>For >6,000, Deduct</i>	-10.25	
31 63 36 00-0024	VLF	14" x 14" x 102 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	70.75	
		<i>For >2,400 To 3,600, Deduct</i>	-2.19	
		<i>For >3,600 To 4,800, Deduct</i>	-4.39	
		<i>For >4,800 To 6,000, Deduct</i>	-7.93	
		<i>For >6,000, Deduct</i>	-11.46	
31 63 36 00-0025	VLF	14" x 14" x 117 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	79.17	
		<i>For >2,400 To 3,600, Deduct</i>	-2.41	
		<i>For >3,600 To 4,800, Deduct</i>	-4.81	
		<i>For >4,800 To 6,000, Deduct</i>	-8.77	
		<i>For >6,000, Deduct</i>	-12.73	

31 63 36 00-0026 Welded Steel Stud Pins (31 63 36 00-0013)

Note: Includes welding to steel piles.

31 Earthwork**31 60 Special Foundations and Load-bearing Elements****31 63 Bored Piles**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

31 63 36 00-0027	EA 5/8" Diameter x 2-1/2" Long, Welded Steel Stud Pins	14.12
	For >50 To 150, Deduct	-0.61
	For >150 To 250, Deduct	-1.26
	For >250 To 500, Deduct	-1.92
	For >500, Deduct	-2.57
31 63 36 00-0028	EA 5/8" Diameter x 5" Long, Welded Steel Stud Pins	16.20
	For >50 To 150, Deduct	-0.61
	For >150 To 250, Deduct	-1.31
	For >250 To 500, Deduct	-2.02
	For >500, Deduct	-2.73
31 63 36 00-0029	EA 5/8" Diameter x 7" Long, Welded Steel Stud Pins	18.19
	For >50 To 150, Deduct	-0.61
	For >150 To 250, Deduct	-1.36
	For >250 To 500, Deduct	-2.12
	For >500, Deduct	-2.88
31 63 36 00-0030	EA 3/4" Diameter x 2-1/2" Long, Welded Steel Stud Pins	15.96
	For >50 To 150, Deduct	-0.64
	For >150 To 250, Deduct	-1.35
	For >250 To 500, Deduct	-2.07
	For >500, Deduct	-2.78
31 63 36 00-0031	EA 3/4" Diameter x 5" Long, Welded Steel Stud Pins	19.10
	For >50 To 150, Deduct	-0.64
	For >150 To 250, Deduct	-1.43
	For >250 To 500, Deduct	-2.23
	For >500, Deduct	-3.02
31 63 36 00-0032	EA 3/4" Diameter x 7" Long, Welded Steel Stud Pins	21.30
	For >50 To 150, Deduct	-0.64
	For >150 To 250, Deduct	-1.49
	For >250 To 500, Deduct	-2.34
	For >500, Deduct	-3.19
31 63 36 00-0033	EA 7/8" Diameter x 2-1/2" Long, Welded Steel Stud Pins	18.34
	For >50 To 150, Deduct	-0.66
	For >150 To 250, Deduct	-1.45
	For >250 To 500, Deduct	-2.24
	For >500, Deduct	-3.03
31 63 36 00-0034	EA 7/8" Diameter x 5" Long, Welded Steel Stud Pins	23.45
	For >50 To 150, Deduct	-0.66
	For >150 To 250, Deduct	-1.58
	For >250 To 500, Deduct	-2.50
	For >500, Deduct	-3.41
31 63 36 00-0035	EA 7/8" Diameter x 7" Long, Welded Steel Stud Pins	25.95
	For >50 To 150, Deduct	-0.66
	For >150 To 250, Deduct	-1.64
	For >250 To 500, Deduct	-2.62
	For >500, Deduct	-3.60

31 63 36 00-0036 Concrete Fill (31 63 36)

See CSI section 03 37 16 00-0001 for pumping equipment.

31 63 36 00-0037	VLF 18" Diameter Hole Pumped Concrete Fill For Drilled Pile	41.48
31 63 36 00-0038	VLF 20" Diameter Hole Pumped Concrete Fill For Drilled Pile	46.08
31 63 36 00-0039	VLF 22" Diameter Hole Pumped Concrete Fill For Drilled Pile	50.69
31 63 36 00-0040	VLF 24" Diameter Hole Pumped Concrete Fill For Drilled Pile	55.30
31 63 36 00-0041	VLF 26" Diameter Hole Pumped Concrete Fill For Drilled Pile	59.90
31 63 36 00-0042	VLF 28" Diameter Hole Pumped Concrete Fill For Drilled Pile	64.51
31 63 36 00-0043	VLF 30" Diameter Hole Pumped Concrete Fill For Drilled Pile	76.38

31 64 Caissons (31 60)**31 64 13 Box Caissons** (31 64)**31 64 13 00-0001 Caisson In Stable Ground No Casing Or Ground Water** (31 64 13)

Note: Up to 50' deep. See CSI section 31 64 13 00-0070 for equipment set-up.

31 64 13 00-0002 Caisson In Stable Ground (31 64 13 00-0001)

Note: Includes 3000 PSI concrete and reinforcing.

31 64 13 00-0003	VLF 18" Diameter Caisson, No Casing Stable Ground, No Ground Water	56.86
	Note: 0.066 CY Concrete per VLF, 9 Lb. rebar per VLF.	
	For >50' To 100' Deep, Add	5.46
	For >100' To 150' Deep, Add	14.22
	For >150' To 200' Deep, Add	18.91
	For Right Angle Drilling, Add	15.27
31 64 13 00-0004	VLF 24" Diameter Caisson, No Casing Stable Ground, No Ground Water	70.79
	Note: 0.116 CY Concrete per VLF, 14 Lb. rebar per VLF.	
	For >50' To 100' Deep, Add	7.43
	For >100' To 150' Deep, Add	17.70
	For >150' To 200' Deep, Add	24.33
	For Right Angle Drilling, Add	17.04
31 64 13 00-0005	VLF 30" Diameter Caisson, No Casing Stable Ground, No Ground Water	99.75
	Note: 0.182 CY Concrete per VLF, 23 Lb. rebar per VLF.	
	For >50' To 100' Deep, Add	10.93
	For >100' To 150' Deep, Add	24.94
	For >150' To 200' Deep, Add	34.86
	For Right Angle Drilling, Add	22.57
31 64 13 00-0006	VLF 36" Diameter Caisson, No Casing Stable Ground, No Ground Water	131.49
	Note: 0.262 CY Concrete per VLF, 33 Lb. rebar per VLF.	
	For >50' To 100' Deep, Add	14.88
	For >100' To 150' Deep, Add	32.87
	For >150' To 200' Deep, Add	46.54
	For Right Angle Drilling, Add	28.28

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 64 13 00-0007	VLF	42" Diameter Caisson, No Casing Stable Ground, No Ground Water Note: 0.356 CY Concrete per VLF, 48 Lb. rebar per VLF. For >50' To 100' Deep, Add For >100' To 150' Deep, Add For >150' To 200' Deep, Add For Right Angle Drilling, Add	167.89 19.71 41.97 60.31 33.90	
31 64 13 00-0008	VLF	48" Diameter Caisson No Casing Stable Ground, No Ground Water Note: 0.465 CY Concrete per VLF, 57 Lb. rebar per VLF. For >50' To 100' Deep, Add For >100' To 150' Deep, Add For >150' To 200' Deep, Add For Right Angle Drilling, Add	201.31 24.06 50.33 72.86 39.30	
31 64 13 00-0009	VLF	54" Diameter Caisson No Casing Stable Ground, No Ground Water Note: 0.589 CY Concrete per VLF, 76 Lb. rebar per VLF. For >50' To 100' Deep, Add For >100' To 150' Deep, Add For >150' To 200' Deep, Add For Right Angle Drilling, Add	242.21 29.86 60.55 88.79 44.45	
31 64 13 00-0010	VLF	60" Diameter Caisson No Casing Stable Ground, No Ground Water Note: 0.727 CY Concrete per VLF, 93 Lb. rebar per VLF. For >50' To 100' Deep, Add For >100' To 150' Deep, Add For >150' To 200' Deep, Add For Right Angle Drilling, Add	283.69 35.74 70.92 104.96 49.67	
31 64 13 00-0011	VLF	66" Diameter Caisson No Casing Stable Ground, No Ground Water Note: 0.88 CY Concrete per VLF, 113 Lb. rebar per VLF. For >50' To 100' Deep, Add For >100' To 150' Deep, Add For >150' To 200' Deep, Add For Right Angle Drilling, Add	330.68 42.36 82.67 123.22 55.70	
31 64 13 00-0012	VLF	72" Diameter Caisson No Casing Stable Ground, No Ground Water Note: 1.047 CY Concrete per VLF, 134 Lb. rebar per VLF. For >50' To 100' Deep, Add For >100' To 150' Deep, Add For >150' To 200' Deep, Add For Right Angle Drilling, Add	384.71 50.04 96.18 144.30 62.43	
31 64 13 00-0013	VLF	78" Diameter Caisson No Casing Stable Ground, No Ground Water Note: 1.229 CY Concrete per VLF, 157 Lb. rebar per VLF. For >50' To 100' Deep, Add For >100' To 150' Deep, Add For >150' To 200' Deep, Add For Right Angle Drilling, Add	438.29 57.80 109.57 165.39 68.65	
31 64 13 00-0014	VLF	84" Diameter Caisson No Casing Stable Ground, No Ground Water Note: 1.425 CY Concrete per VLF, 183 Lb. rebar per VLF. For >50' To 100' Deep, Add For >100' To 150' Deep, Add For >150' To 200' Deep, Add For Right Angle Drilling, Add	495.43 66.14 123.86 187.95 75.10	
31 64 13 00-0015		For Bell Excavation And Concrete, Add (31 64 13 00-0001)		
31 64 13 00-0016	EA	Bell Excavation And Concrete, 4' Bell Diameter Stable Ground, 24" Shaft, 0.44 CY For >50' To 100' Deep, Add For >100' To 150' Deep, Add For >150' To 200' Deep, Add	440.29 35.37 110.07 137.78	
31 64 13 00-0017	EA	Bell Excavation And Concrete, 6' Bell Diameter Stable Ground, 30" Shaft, 1.57 CY For >50' To 100' Deep, Add For >100' To 150' Deep, Add For >150' To 200' Deep, Add	1,547.50 124.50 386.88 484.47	
31 64 13 00-0018	EA	Bell Excavation And Concrete, 7' Bell Diameter Stable Ground, 36" Shaft, 2.33 CY For >50' To 100' Deep, Add For >100' To 150' Deep, Add For >150' To 200' Deep, Add	2,336.66 190.78 584.17 735.02	
31 64 13 00-0019	EA	Bell Excavation And Concrete, 8' Bell Diameter Stable Ground, 42" Shaft, 3.30 CY For >50' To 100' Deep, Add For >100' To 150' Deep, Add For >150' To 200' Deep, Add	3,242.82 265.25 810.71 1,020.67	
31 64 13 00-0020	EA	Bell Excavation And Concrete, 9' Bell Diameter Stable Ground, 48" Shaft, 4.48 CY For >50' To 100' Deep, Add For >100' To 150' Deep, Add For >150' To 200' Deep, Add	4,409.14 354.65 1,102.29 1,380.25	
31 64 13 00-0021	EA	Bell Excavation And Concrete, 10' Bell Diameter Stable Ground, 60" Shaft, 5.24 CY For >50' To 100' Deep, Add For >100' To 150' Deep, Add For >150' To 200' Deep, Add	5,184.75 416.86 1,296.19 1,622.84	
31 64 13 00-0022	EA	Bell Excavation And Concrete, 12' Bell Diameter Stable Ground, 72" Shaft, 8.74 CY For >50' To 100' Deep, Add For >100' To 150' Deep, Add For >150' To 200' Deep, Add	8,795.12 705.82 2,198.78 2,751.24	
31 64 13 00-0023	EA	Bell Excavation And Concrete, 14' Bell Diameter Stable Ground, 84" Shaft, 13.6 CY For >50' To 100' Deep, Add For >100' To 150' Deep, Add For >150' To 200' Deep, Add	12,702.89 1,029.08 3,175.72 3,985.72	
31 64 13 00-0024		Caisson In Wet Ground, Casing Pulled (31 64 13) Note: Up to 50' deep. See CSI section 31 64 13 00-0070 for equipment set-up.		
31 64 13 00-0025		Caisson In Wet Ground (31 64 13 00-0024) Note: Includes 3000 PSI concrete and reinforcing.		

31 Earthwork**31 60 Special Foundations and Load-bearing Elements****31 64 Caissons**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

31 64 13 00-0026	VLF 18" Diameter Caisson Wet Ground, Casing Pulled.....	63.09	
	Note: 0.066 CY Concrete per VLF, 9 Lb. rebar per VLF.		
	For >50' To 100' Deep, Add	5.89	
	For >100' To 150' Deep, Add	15.77	
	For >150' To 200' Deep, Add	20.77	
	For Right Angle Drilling, Add	17.48	
31 64 13 00-0027	VLF 24" Diameter Caisson Wet Ground, Casing Pulled.....	105.38	
	Note: 0.116 CY Concrete per VLF, 14 Lb. rebar per VLF.		
	For >50' To 100' Deep, Add	9.85	
	For >100' To 150' Deep, Add	26.35	
	For >150' To 200' Deep, Add	34.71	
	For Right Angle Drilling, Add	29.15	
31 64 13 00-0028	VLF 30" Diameter Caisson Wet Ground, Casing Pulled.....	138.69	
	Note: 0.182 CY Concrete per VLF, 23 Lb. rebar per VLF.		
	For >50' To 100' Deep, Add	13.66	
	For >100' To 150' Deep, Add	34.67	
	For >150' To 200' Deep, Add	46.54	
	For Right Angle Drilling, Add	36.20	
31 64 13 00-0029	VLF 36" Diameter Caisson Wet Ground, Casing Pulled.....	190.08	
	Note: 0.262 CY Concrete per VLF, 33 Lb. rebar per VLF.		
	For >50' To 100' Deep, Add	18.98	
	For >100' To 150' Deep, Add	47.52	
	For >150' To 200' Deep, Add	64.12	
	For Right Angle Drilling, Add	48.79	
31 64 13 00-0030	VLF 42" Diameter Caisson Wet Ground, Casing Pulled.....	240.20	
	Note: 0.356 CY Concrete per VLF, 48 Lb. rebar per VLF.		
	For >50' To 100' Deep, Add	24.77	
	For >100' To 150' Deep, Add	60.05	
	For >150' To 200' Deep, Add	82.00	
	For Right Angle Drilling, Add	59.21	
31 64 13 00-0031	VLF 48" Diameter Caisson Wet Ground, Casing Pulled.....	287.05	
	Note: 0.465 CY Concrete per VLF, 57 Lb. rebar per VLF.		
	For >50' To 100' Deep, Add	30.06	
	For >100' To 150' Deep, Add	71.76	
	For >150' To 200' Deep, Add	98.58	
	For Right Angle Drilling, Add	69.31	
31 64 13 00-0032	VLF 54" Diameter Caisson Wet Ground, Casing Pulled.....	370.65	
	Note: 0.589 CY Concrete per VLF, 76 Lb. rebar per VLF.		
	For >50' To 100' Deep, Add	38.85	
	For >100' To 150' Deep, Add	92.66	
	For >150' To 200' Deep, Add	127.32	
	For Right Angle Drilling, Add	89.41	
31 64 13 00-0033	VLF 60" Diameter Caisson Wet Ground, Casing Pulled.....	453.72	
	Note: 0.727 CY Concrete per VLF, 93 Lb. rebar per VLF.		
	For >50' To 100' Deep, Add	47.64	
	For >100' To 150' Deep, Add	113.43	
	For >150' To 200' Deep, Add	155.97	
	For Right Angle Drilling, Add	109.18	
31 64 13 00-0034	VLF 66" Diameter Caisson Wet Ground, Casing Pulled.....	516.68	
	Note: 0.87 CY Concrete per VLF, 113 Lb. rebar per VLF.		
	For >50' To 100' Deep, Add	55.38	
	For >100' To 150' Deep, Add	129.17	
	For >150' To 200' Deep, Add	179.02	
	For Right Angle Drilling, Add	120.80	
31 64 13 00-0035	VLF 72" Diameter Caisson Wet Ground, Casing Pulled.....	586.63	
	Note: 1.047 CY Concrete per VLF, 134 Lb. rebar per VLF.		
	For >50' To 100' Deep, Add	64.17	
	For >100' To 150' Deep, Add	146.66	
	For >150' To 200' Deep, Add	204.88	
	For Right Angle Drilling, Add	133.11	
31 64 13 00-0036	VLF 78" Diameter Caisson Wet Ground, Casing Pulled.....	666.57	
	Note: 1.229 CY Concrete per VLF, 157 Lb. rebar per VLF.		
	For >50' To 100' Deep, Add	73.78	
	For >100' To 150' Deep, Add	166.64	
	For >150' To 200' Deep, Add	233.87	
	For Right Angle Drilling, Add	148.54	
31 64 13 00-0037	VLF 84" Diameter Caisson Wet Ground, Casing Pulled.....	750.51	
	Note: 1.425 CY Concrete per VLF, 183 Lb. rebar per VLF.		
	For >50' To 100' Deep, Add	83.99	
	For >100' To 150' Deep, Add	187.63	
	For >150' To 200' Deep, Add	264.47	
	For Right Angle Drilling, Add	164.38	

31 64 13 00-0038 For Bell Excavation And Concrete, Add
(31 64 13 00-0024)

31 64 13 00-0039	EA Bell Excavation And Concrete, 4' Bell Diameter Wet Ground 24" Shaft, 0.44 CY.....	508.05	
	For >50' To 100' Deep, Add	40.11	
	For >100' To 150' Deep, Add	127.01	
	For >150' To 200' Deep, Add	158.10	
31 64 13 00-0040	EA Bell Excavation And Concrete, 6' Bell Diameter Wet Ground, 30" Shaft, 1.57 CY.....	1,769.43	
	For >50' To 100' Deep, Add	140.04	
	For >100' To 150' Deep, Add	442.36	
	For >150' To 200' Deep, Add	551.05	
31 64 13 00-0041	EA Bell Excavation And Concrete, 7' Bell Diameter Wet Ground, 36" Shaft, 2.33 CY.....	2,449.59	
	For >50' To 100' Deep, Add	181.84	
	For >100' To 150' Deep, Add	612.40	
	For >150' To 200' Deep, Add	747.83	
31 64 13 00-0042	EA Bell Excavation And Concrete, 8' Bell Diameter Wet Ground, 42" Shaft, 3.3 CY.....	3,883.30	
	For >50' To 100' Deep, Add	310.09	
	For >100' To 150' Deep, Add	970.83	
	For >150' To 200' Deep, Add	1,212.81	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 64 13 00-0043	EA	Bell Excavation And Concrete, 9' Bell Diameter Wet Ground, 48" Shaft, 4.48 CY.....	5,041.62	
		For >50' To 100' Deep, Add	398.92	
		For >100' To 150' Deep, Add	1,260.41	
		For >150' To 200' Deep, Add	1,570.00	
31 64 13 00-0044	EA	Bell Excavation And Concrete, 10' Bell Diameter Wet Ground, 60" Shaft, 5.24 CY.....	5,928.85	
		For >50' To 100' Deep, Add	468.95	
		For >100' To 150' Deep, Add	1,482.21	
		For >150' To 200' Deep, Add	1,846.07	
31 64 13 00-0045	EA	Bell Excavation And Concrete, 12' Bell Diameter Wet Ground, 72" Shaft, 8.74 CY.....	10,060.07	
		For >50' To 100' Deep, Add	794.37	
		For >100' To 150' Deep, Add	2,515.02	
		For >150' To 200' Deep, Add	3,130.73	
31 64 13 00-0046	EA	Bell Excavation And Concrete, 14' Bell Diameter Wet Ground, 84" Shaft, 13.6 CY.....	14,509.97	
		For >50' To 100' Deep, Add	1,155.58	
		For >100' To 150' Deep, Add	3,627.49	
		For >150' To 200' Deep, Add	4,527.84	
31 64 13 00-0047		Caisson In Soft Rock And Medium Hard Shale (31 64 13)		
		Note: Up to 50' deep. See CSI section 31 64 13 00-0070 for equipment set-up.		
31 64 13 00-0048		Caisson In Soft Rock (31 64 13 00-0047)		
		Note: Includes 3000 PSI concrete and reinforcing.		
31 64 13 00-0049	VLF	18" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	247.36	
		Note: 0.066 CY Concrete per VLF, 9 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	18.79	
		For >100' To 150' Deep, Add	61.84	
		For >150' To 200' Deep, Add	76.05	
		For Right Angle Drilling, Add	81.97	
31 64 13 00-0050	VLF	24" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	412.57	
		Note: 0.116 CY Concrete per VLF, 14 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	31.36	
		For >100' To 150' Deep, Add	103.14	
		For >150' To 200' Deep, Add	126.87	
		For Right Angle Drilling, Add	136.66	
31 64 13 00-0051	VLF	30" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	621.73	
		Note: 0.182 CY Concrete per VLF, 23 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	47.47	
		For >100' To 150' Deep, Add	155.43	
		For >150' To 200' Deep, Add	191.46	
		For Right Angle Drilling, Add	205.27	
31 64 13 00-0052	VLF	36" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	793.96	
		Note: 0.262 CY Concrete per VLF, 33 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	61.25	
		For >100' To 150' Deep, Add	198.49	
		For >150' To 200' Deep, Add	245.29	
		For Right Angle Drilling, Add	260.14	
31 64 13 00-0053	VLF	42" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	1,020.64	
		Note: 0.356 CY Concrete per VLF, 48 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	79.40	
		For >100' To 150' Deep, Add	255.16	
		For >150' To 200' Deep, Add	316.14	
		For Right Angle Drilling, Add	332.37	
31 64 13 00-0054	VLF	48" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	1,230.09	
		Note: 0.465 CY Concrete per VLF, 57 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	96.08	
		For >100' To 150' Deep, Add	307.52	
		For >150' To 200' Deep, Add	381.49	
		For Right Angle Drilling, Add	399.37	
31 64 13 00-0055	VLF	54" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	1,504.03	
		Note: 0.589 CY Concrete per VLF, 76 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	118.18	
		For >100' To 150' Deep, Add	376.01	
		For >150' To 200' Deep, Add	467.34	
		For Right Angle Drilling, Add	486.09	
31 64 13 00-0056	VLF	60" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	1,777.68	
		Note: 0.727 CY Concrete per VLF, 93 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	140.32	
		For >100' To 150' Deep, Add	444.42	
		For >150' To 200' Deep, Add	553.15	
		For Right Angle Drilling, Add	572.57	
31 64 13 00-0057	VLF	66" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	1,951.41	
		Note: 0.88 CY Concrete per VLF, 113 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	155.81	
		For >100' To 150' Deep, Add	487.85	
		For >150' To 200' Deep, Add	609.44	
		For Right Angle Drilling, Add	622.95	
31 64 13 00-0058	VLF	72" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	2,131.30	
		Note: 1.047 CY Concrete per VLF, 134 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	172.30	
		For >100' To 150' Deep, Add	532.83	
		For >150' To 200' Deep, Add	668.28	
		For Right Angle Drilling, Add	673.74	
31 64 13 00-0059	VLF	78" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	2,181.46	
		Note: 1.229 CY Concrete per VLF, 157 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	179.82	
		For >100' To 150' Deep, Add	545.37	
		For >150' To 200' Deep, Add	688.34	
		For Right Angle Drilling, Add	678.76	

31	31	Earthwork
	31 60	Special Foundations and Load-bearing Elements
	31 64	Caissons



MINOR		TOTAL DIRECT		DEMOLITION
CSI UOM DESCRIPTION		UNIT COST		UNIT COST
31 64 13 00-0060	VLF 84" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	2,605.51		
	Note: 1.425 CY Concrete per VLF, 183 Lb. rebar per VLF.			
	For >50' To 100' Deep, Add	213.84		
	For >100' To 150' Deep, Add	651.38		
	For >150' To 200' Deep, Add	820.97		
	For Right Angle Drilling, Add	813.63		
31 64 13 00-0061	For Bell Excavation And Concrete, Add (31 64 13 00-0047)			
31 64 13 00-0062	EA Bell Excavation And Concrete, 4' Bell Diameter Soft Rock/Shale 24" Shaft 0.44 CY	876.42		
	For >50' To 100' Deep, Add	65.90		
	For >100' To 150' Deep, Add	219.11		
	For >150' To 200' Deep, Add	268.61		
31 64 13 00-0063	EA Bell Excavation And Concrete, 6' Bell Diameter Soft Rock/Shale 30" Shaft 1.57 CY	3,083.86		
	For >50' To 100' Deep, Add	232.05		
	For >100' To 150' Deep, Add	770.97		
	For >150' To 200' Deep, Add	945.38		
31 64 13 00-0064	EA Bell Excavation And Concrete, 7' Bell Diameter Soft Rock/Shale 36" Shaft 2.33 CY	4,616.77		
	For >50' To 100' Deep, Add	350.39		
	For >100' To 150' Deep, Add	1,154.19		
	For >150' To 200' Deep, Add	1,419.05		
31 64 13 00-0065	EA Bell Excavation And Concrete, 8' Bell Diameter Soft Rock/Shale 42" Shaft 3.3 CY	6,573.95		
	For >50' To 100' Deep, Add	498.43		
	For >100' To 150' Deep, Add	1,643.49		
	For >150' To 200' Deep, Add	2,020.01		
31 64 13 00-0066	EA Bell Excavation And Concrete, 9' Bell Diameter Soft Rock/Shale 48" Shaft 4.48 CY	8,696.04		
	For >50' To 100' Deep, Add	654.73		
	For >100' To 150' Deep, Add	2,174.01		
	For >150' To 200' Deep, Add	2,666.32		
31 64 13 00-0067	EA Bell Excavation And Concrete, 10' Bell Diameter Soft Rock/Shale 60" Shaft 5.24 CY	10,599.72		
	For >50' To 100' Deep, Add	795.91		
	For >100' To 150' Deep, Add	2,649.93		
	For >150' To 200' Deep, Add	3,247.33		
31 64 13 00-0068	EA Bell Excavation And Concrete, 12' Bell Diameter Soft Rock/Shale 72" Shaft 8.74 CY	16,015.43		
	For >50' To 100' Deep, Add	1,211.24		
	For >100' To 150' Deep, Add	4,003.86		
	For >150' To 200' Deep, Add	4,917.33		
31 64 13 00-0069	EA Bell Excavation And Concrete, 14' Bell Diameter Soft Rock/Shale 84" Shaft 13.6 CY	24,081.08		
	For >50' To 100' Deep, Add	1,825.55		
	For >100' To 150' Deep, Add	6,020.27		
	For >150' To 200' Deep, Add	7,399.17		
31 64 13 00-0070	Caisson Setup And Removal (31 64 13)			
	Note: Includes mobilization of equipment, erection, dismantling of equipment, move off of site.			
31 64 13 00-0071	EA Erect, Set Up, Dismantle And Removal Of Caisson 18" To 36" Diameter, Complete	4,201.72		
31 64 13 00-0072	EA Erect, Set Up, Dismantle And Removal Of Caisson 48" To 84" Diameter, Complete	5,859.56		
31 64 13 00-0073	EA Dismantle, Relocate, Erect And Set Up On Site At Different Location (During Same Phase Of Work), Caisson 18" To 36" Diameter.....	2,004.38		
31 64 13 00-0074	EA Dismantle, Relocate, Erect And Set Up On Site At Different Location (During Same Phase Of Work), Caisson 48" To 84" Diameter.....	2,672.51		
31 64 13 00-0075	EA Relocate Caisson Equipment To Different Hole On-Site Without Dismantling.....	167.04		

END OF SECTION 31

		Exterior Improvements	32
		Operation and Maintenance of Exterior Improvements	32 01
		Paving Cleaning	32 01 11
MINOR	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 Exterior Improvements

32 01 Operation and Maintenance of Exterior Improvements ⁽³²⁾

32 01 11 Paving Cleaning ^(32 01)

32 01 11 53 Paint Removal from Paving ^(32 01 11)

32 01 11 53-0001 Remove Painted Or Epoxy Pavement Markings ^(32 01 11 53)

Note: Includes stripe removal by grinding, vacuuming of removed striped area and containment of debris.

32 01 11 53-0002	LF	Removal Of 4" Wide Painted Or Epoxy Pavement Striping	2.23
		For Up To 250, Add	1.12
		For >250 To 1,000, Add	0.56
		For >5,000 To 10,000, Deduct	-0.33
		For >10,000 To 25,000, Deduct	-0.56
		For >25,000 To 50,000, Deduct	-0.78
		For >50,000, Deduct	-0.89
32 01 11 53-0003	LF	Removal Of 6" Wide Painted Or Epoxy Pavement Striping	2.68
		For Up To 250, Add	1.34
		For >250 To 1,000, Add	0.67
		For >5,000 To 10,000, Deduct	-0.40
		For >10,000 To 25,000, Deduct	-0.67
		For >25,000 To 50,000, Deduct	-0.94
		For >50,000, Deduct	-1.07
32 01 11 53-0004	LF	Removal Of 8" Wide Painted Or Epoxy Pavement Striping	3.21
		For Up To 250, Add	1.61
		For >250 To 1,000, Add	0.80
		For >5,000 To 10,000, Deduct	-0.48
		For >10,000 To 25,000, Deduct	-0.80
		For >25,000 To 50,000, Deduct	-1.12
		For >50,000, Deduct	-1.28
32 01 11 53-0005	LF	Removal Of 12" Wide Painted Or Epoxy Pavement Striping	3.85
		For Up To 250, Add	1.93
		For >250 To 1,000, Add	0.96
		For >5,000 To 10,000, Deduct	-0.58
		For >10,000 To 25,000, Deduct	-0.96
		For >25,000 To 50,000, Deduct	-1.35
		For >50,000, Deduct	-1.54
32 01 11 53-0006	SF	Removal Of Painted Or Epoxy Pavement Marking, Letters Or Symbols	3.85
		For Up To 250, Add	1.93
		For >250 To 1,000, Add	0.96
		For >5,000 To 10,000, Deduct	-0.58
		For >10,000 To 25,000, Deduct	-0.96
		For >25,000 To 50,000, Deduct	-1.35
		For >50,000, Deduct	-1.54
32 01 11 53-0007	LF	Removal Of 4" Wide Thermoplastic Pavement Striping	2.88
		For Up To 250, Add	1.44
		For >250 To 1,000, Add	0.72
		For >5,000 To 10,000, Deduct	-0.43
		For >10,000 To 25,000, Deduct	-0.72
		For >25,000 To 50,000, Deduct	-1.01
		For >50,000, Deduct	-1.15
32 01 11 53-0008	LF	Removal Of 6" Wide Thermoplastic Pavement Striping	3.39
		For Up To 250, Add	1.70
		For >250 To 1,000, Add	0.85
		For >5,000 To 10,000, Deduct	-0.51
		For >10,000 To 25,000, Deduct	-0.85
		For >25,000 To 50,000, Deduct	-1.19
		For >50,000, Deduct	-1.36
32 01 11 53-0009	LF	Removal Of 8" Wide Thermoplastic Pavement Striping	4.10
		For Up To 250, Add	2.05
		For >250 To 1,000, Add	1.03
		For >5,000 To 10,000, Deduct	-0.62
		For >10,000 To 25,000, Deduct	-1.03
		For >25,000 To 50,000, Deduct	-1.44
		For >50,000, Deduct	-1.64
32 01 11 53-0010	LF	Removal Of 12" Wide Thermoplastic Pavement Striping	4.91
		For Up To 250, Add	2.46
		For >250 To 1,000, Add	1.23
		For >5,000 To 10,000, Deduct	-0.74
		For >10,000 To 25,000, Deduct	-1.23
		For >25,000 To 50,000, Deduct	-1.72
		For >50,000, Deduct	-1.96
32 01 11 53-0011	SF	Removal Of Thermoplastic Pavement Marking, Letters Or Symbols	4.91
		For Up To 250, Add	2.46
		For >250 To 1,000, Add	1.23
		For >5,000 To 10,000, Deduct	-0.74
		For >10,000 To 25,000, Deduct	-1.23
		For >25,000 To 50,000, Deduct	-1.72
		For >50,000, Deduct	-1.96

32 01 13 Flexible Paving Surface Treatment ^(32 01)

32 01 13 61 Slurry Seal (Latex Modified) ^(32 01 13)

32 01 13 61-0001 Asphalt Seal Coating, For Roads And Parking Lot ^(32 01 13 61)

Note: Includes sweeping and cleaning of area.

32 Exterior Improvements**32 01 Operation and Maintenance of Exterior Improvements****32 01 13 Flexible Paving Surface Treatment**

MINOR		DESCRIPTION	TOTAL DIRECT		DEMOLITION
CSI	UOM		UNIT COST	UNIT COST	
32 01 13 61-0002	EA	Asphalt Seal Coating Minimum Charge .....858.86 Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.			
32 01 13 61-0003	SY	Up To 500 SY, Type II Slurry Seal Asphalt Coating, Per Coat.....4.61 Note: 1/4" thick, 14 to 18 Lb/SY.			
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.33		
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.39		
		For Rubberized Polymer Modified Emulsion (RPME), Add	0.49		
		For Each 0.5% Of Latex Addition, Add	0.45		
32 01 13 61-0004	SY	>500 To 1,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat.....4.30 Note: 1/4" thick, 14 to 18 Lb/SY.			
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.32		
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.38		
		For Rubberized Polymer Modified Emulsion (RPME), Add	0.48		
		For Each 0.5% Of Latex Addition, Add	0.45		
32 01 13 61-0005	SY	>1,000 To 5,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat.....4.06 Note: 1/4" thick, 14 to 18 Lb/SY.			
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.30		
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.36		
		For Rubberized Polymer Modified Emulsion (RPME), Add	0.46		
		For Each 0.5% Of Latex Addition, Add	0.45		
32 01 13 61-0006	SY	>5,000 To 20,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat .....3.84 Note: 1/4" thick, 14 to 18 Lb/SY.			
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.29		
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.35		
		For Rubberized Polymer Modified Emulsion (RPME), Add	0.45		
		For Each 0.5% Of Latex Addition, Add	0.45		
32 01 13 61-0007	SY	>20,000 To 50,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat .....3.64 Note: 1/4" thick, 14 to 18 Lb/SY.			
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.28		
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.34		
		For Rubberized Polymer Modified Emulsion (RPME), Add	0.44		
		For Each 0.5% Of Latex Addition, Add	0.45		
32 01 13 61-0008	SY	>50,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat .....3.45 Note: 1/4" thick, 14 to 18 Lb/SY.			
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.27		
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.33		
		For Rubberized Polymer Modified Emulsion (RPME), Add	0.43		
		For Each 0.5% Of Latex Addition, Add	0.45		
32 01 13 61-0009	SY	Up To 500 SY, Type III Slurry Seal Asphalt Coating, Per Coat .....5.80 Note: 3/8" thick, 25 to 30 Lb/SY.			
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.34		
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.40		
		For Rubberized Polymer Modified Emulsion (RPME), Add	0.50		
		For Each 0.5% Of Latex Addition, Add	0.73		
32 01 13 61-0010	SY	>500 To 1,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat .....5.46 Note: 3/8" thick, 25 to 30 Lb/SY.			
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.32		
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.38		
		For Rubberized Polymer Modified Emulsion (RPME), Add	0.48		
		For Each 0.5% Of Latex Addition, Add	0.73		
32 01 13 61-0011	SY	>1,000 To 5,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat .....5.21 Note: 3/8" thick, 25 to 30 Lb/SY.			
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.31		
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.37		
		For Rubberized Polymer Modified Emulsion (RPME), Add	0.47		
		For Each 0.5% Of Latex Addition, Add	0.73		
32 01 13 61-0012	SY	>5,000 To 20,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat .....4.97 Note: 3/8" thick, 25 to 30 Lb/SY.			
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.30		
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.36		
		For Rubberized Polymer Modified Emulsion (RPME), Add	0.46		
		For Each 0.5% Of Latex Addition, Add	0.73		
32 01 13 61-0013	SY	>20,000 To 50,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat .....4.75 Note: 3/8" thick, 25 to 30 Lb/SY.			
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.29		
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.35		
		For Rubberized Polymer Modified Emulsion (RPME), Add	0.45		
		For Each 0.5% Of Latex Addition, Add	0.73		
32 01 13 61-0014	SY	>50,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat .....4.56 Note: 3/8" thick, 25 to 30 Lb/SY.			
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.28		
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.34		
		For Rubberized Polymer Modified Emulsion (RPME), Add	0.44		
		For Each 0.5% Of Latex Addition, Add	0.73		

32 01 13 62 Asphalt Surface Treatment (32 01 13)**32 01 13 62-0001 Polymer-Modified, Microsurfacing Emulsion (MSE Microsurfacing) (32 01 13 62)**

Note: Use a blend of emulsified quickset polymer-modified emulsion asphalt and latex-based polymer. Includes sweeping and cleaning of area.

32 01 13 62-0002	SY	Up To 200 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE) .....10.44			
32 01 13 62-0003	SY	Up To 500 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE) .....9.92			
32 01 13 62-0004	SY	>500 To 1,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE).....9.47			
32 01 13 62-0005	SY	>1,000 To 5,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE).....9.09			
32 01 13 62-0006	SY	>5,000 To 10,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE).....8.74			
32 01 13 62-0007	SY	>10,000 To 20,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE).....8.44			
32 01 13 62-0008	SY	>20,000 To 50,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE).....8.22			
32 01 13 62-0009	SY	>50,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE).....8.10			

32 01 16 Flexible Paving Rehabilitation (32 01)

32 01 16 71 Cold Milling Asphalt Pavement (32 01 16)

32 01 16 71-0001 Removal Of Asphalt Surface Course (32 01 16 71)

Note: Includes direct loading into truck.

32 01 16 71-0002 Production Cold Milling Of Roads And Parking Areas (32 01 16 71-0001)

Note: For removal of entire lanes of roads or parking areas. Includes work around manholes, scuppers, drainage structures, catch basins, etc. Includes sweeping and loading into truck. See CSI section 01 74 19 00-0045 for hauling.

32 01 16 71-0003	SY	Up To 3" Depth, Production Cold Milling Of Asphalt	4.44
		For Up To 2,500, Add	3.33
		For >2,500 To 5,000, Add	1.11
		For >10,000 To 25,000, Deduct	-0.78
		For >25,000, Deduct	-1.11
32 01 16 71-0004	SY	>3" To 6" Depth, Production Cold Milling Of Asphalt	5.61
		For Up To 2,500, Add	4.21
		For >2,500 To 5,000, Add	1.40
		For >10,000 To 25,000, Deduct	-0.98
		For >25,000, Deduct	-1.40
32 01 16 71-0005	SY	>6" To 12" Depth, Production Cold Milling Of Asphalt	7.46
		For Up To 2,500, Add	5.60
		For >2,500 To 5,000, Add	1.87
		For >10,000 To 25,000, Deduct	-1.31
		For >25,000, Deduct	-1.87

32 01 16 71-0006 Limited Production Cold Milling (32 01 16 71-0001)

Note: For cross sections of roadways, trenching, partial shoulders, and other small or narrow areas. Includes work around manholes, scuppers, drainage structures, catch basins, etc. Includes sweeping and loading into truck. See CSI section 01 74 19 00-0045 for hauling.

32 01 16 71-0007	SY	Up To 3" Depth, Limited Cold Milling Of Asphalt	29.54
		For >100 To 1,000, Deduct	-14.77
		For >1,000, Deduct	-22.16
32 01 16 71-0008	SY	>3" To 6" Depth, Limited Cold Milling Of Asphalt	39.12
		For >100 To 1,000, Deduct	-19.56
		For >1,000, Deduct	-29.34
32 01 16 71-0009	SY	>6" To 12" Depth, Limited Cold Milling Of Asphalt	52.10
		For >100 To 1,000, Deduct	-26.05
		For >1,000, Deduct	-39.08

32 01 16 71-0010 Grind, Leave In-Place Asphalt Grindings (32 01 16 71)

Note: For use as subbase material, includes spreading and rolling.

32 01 16 71-0011	SY	Grind, Leave In-Place As Subbase Course, 6-9" Depth	7.70
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32 01 16 74 In Place Hot Reused Asphalt Paving (32 01 16)

32 01 16 74-0001 Rejuvenate And Respread Asphalt Pavement (32 01 16 74)

Note: Includes direct loading into truck.

32 01 16 74-0002	SY	Removal, Rejuvenation, And Respreading Of Asphalt Grindings To 1/2" Deep	10.88
32 01 16 74-0003	SY	Removal, Rejuvenation, And Respreading Of Asphalt Grindings To 1/2" Deep, Previously Sealed Cold Tar	12.85
32 01 16 74-0004	TON	Removal, Rejuvenation, And Respreading Of Asphalt Grindings	200.15

32 01 16 74-0005 Reclamation, Pulverize And Blending With Existing (32 01 16 74)

Note: Includes direct loading into truck.

32 01 16 74-0006	SY	Up To 2" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	15.91
32 01 16 74-0007	SY	Up To 2" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	7.96
32 01 16 74-0008	SY	Up To 2" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	3.98
32 01 16 74-0009	SY	Up To 2" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	3.77
32 01 16 74-0010	SY	>2" To 3" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	4.34
32 01 16 74-0011	SY	>2" To 3" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	17.36
32 01 16 74-0012	SY	>2" To 3" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	8.69
32 01 16 74-0013	SY	>2" To 3" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	4.09
32 01 16 74-0014	SY	>3" To 4" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	19.10
32 01 16 74-0015	SY	>3" To 4" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	9.55
32 01 16 74-0016	SY	>3" To 4" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	4.78
32 01 16 74-0017	SY	>3" To 4" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	4.41
32 01 16 74-0018	SY	>4" To 8" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	20.83
32 01 16 74-0019	SY	>4" To 8" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	10.42

32 Exterior Improvements**32 01 Operation and Maintenance of Exterior Improvements****32 01 16 Flexible Paving Rehabilitation**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 01 16 74-0020	SY	>4" To 8" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	5.21
32 01 16 74-0021	SY	>4" To 8" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	4.86
32 01 16 74-0022	EA	Mobilization And Demobilization For Reclamation, Pulverizing And Blending Crew.....	1,790.46

32 01 17 Flexible Paving Repair (32 01)

See CSI section 32 12 16 00-0000 for large area resurfacing.

32 01 17 61 Sealing Cracks in Asphalt Paving (32 01 17)

Note: Includes removing loose materials and cleaning.

32 01 17 61-0001		Hot-Applied, Pourable, Self-Adhesive Asphalt Binder Compounded With Standard Weight Aggregate Longitudinal Crack And Sealing Repair (32 01 17 61)	
		Note: Includes removing loose materials and cleaning.	
32 01 17 61-0002	LF	Up To 200 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	1.89
		Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	
		For 3/4" x 1/2" Fill, Add	0.55
		For 1" x 1/2" Fill, Add	1.05
		For Backer Rod, Add	1.14
32 01 17 61-0003	LF	>200 To 500 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	1.53
		Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	
		For 3/4" x 1/2" Fill, Add	0.46
		For 1" x 1/2" Fill, Add	0.87
		For Backer Rod, Add	1.02
32 01 17 61-0004	LF	>500 To 2,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	1.23
		Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	
		For 3/4" x 1/2" Fill, Add	0.37
		For 1" x 1/2" Fill, Add	0.71
		For Backer Rod, Add	0.91
32 01 17 61-0005	LF	>2,000 To 5,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	1.06
		Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	
		For 3/4" x 1/2" Fill, Add	0.33
		For 1" x 1/2" Fill, Add	0.63
		For Backer Rod, Add	0.85
32 01 17 61-0006	LF	>5,000 To 10,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	0.94
		Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	
		For 3/4" x 1/2" Fill, Add	0.29
		For 1" x 1/2" Fill, Add	0.55
		For Backer Rod, Add	0.79
32 01 17 61-0007	LF	>10,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	0.86
		Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	
		For 3/4" x 1/2" Fill, Add	0.26
		For 1" x 1/2" Fill, Add	0.50
		For Backer Rod, Add	0.75
32 01 17 61-0008	LF	Up To 200 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	3.26
		For 3/8" x 1/4" Fill, Add	0.78
		For 1/2" x 1/4" Fill, Add	1.44
		For 1/2" x 1/2" Fill, Add	3.46
32 01 17 61-0009	LF	>200 To 500 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	2.64
		For 3/8" x 1/4" Fill, Add	0.64
		For 1/2" x 1/4" Fill, Add	1.19
		For 1/2" x 1/2" Fill, Add	2.90
32 01 17 61-0010	LF	>500 To 2,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	2.04
		For 3/8" x 1/4" Fill, Add	0.51
		For 1/2" x 1/4" Fill, Add	0.95
		For 1/2" x 1/2" Fill, Add	2.32
32 01 17 61-0011	LF	>2,000 To 5,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	1.79
		For 3/8" x 1/4" Fill, Add	0.45
		For 1/2" x 1/4" Fill, Add	0.84
		For 1/2" x 1/2" Fill, Add	2.07
32 01 17 61-0012	LF	>5,000 To 10,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	1.62
		For 3/8" x 1/4" Fill, Add	0.40
		For 1/2" x 1/4" Fill, Add	0.75
		For 1/2" x 1/2" Fill, Add	1.84
32 01 17 61-0013	LF	>10,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	1.51
		For 3/8" x 1/4" Fill, Add	0.37
		For 1/2" x 1/4" Fill, Add	0.69
		For 1/2" x 1/2" Fill, Add	1.70
32 01 17 61-0014	LF	For Routing And Cleaning Of Crack, Add Per 1/2" Depth.....	0.56

32 01 17 63 Flexible Pavement Repair (32 01 17)**32 01 17 63-0001 Temporary Pot Hole Repair** (32 01 17 63)

Note: Includes removal of loose material and moisture, bonding agent, compaction, safety cones and hauling up to 15 miles. Excludes signage, barricades, flagmen, field survey or marking. See CSI section 01 74 19 00-0045 for hauling greater than 15 miles.

32 01 17 63-0002	EA	Temporary Pot Hole Repairs With Cold Mix Modified, Up To 3 Tons.....	1,673.10
32 01 17 63-0003	TON	Temporary Pot Hole Repairs With Cold Mix Modified.....	504.06
		Note: Use for each ton over 3 tons.	
32 01 17 63-0004	EA	Temporary Pot Hole Repairs With Cold Mix, Up To 3 Tons.....	1,605.52
32 01 17 63-0005	TON	Temporary Pot Hole Repairs With Cold Mix.....	481.53
		Note: Use for each ton over 3 tons.	
32 01 17 63-0006	EA	Temporary Pot Hole Repairs With Hot Mix Modified, Up To 3 Tons.....	1,571.73
32 01 17 63-0007	TON	Temporary Pot Hole Repairs With Hot Mix Modified.....	470.27
		Note: Use for each ton over 3 tons.	
32 01 17 63-0008	EA	Temporary Pot Hole Repairs With Hot Mix, Up To 3 Tons.....	1,537.94

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 01 17 63-0009	TON	Temporary Pot Hole Repairs With Hot Mix Note: Use for each ton over 3 tons.	459.01
32 01 17 63-0010 Permanent Pot Hole Repair (32 01 17 63)			
Note: Includes removal of loose material and moisture, saw cutting, chipping, squaring off, bonding agent, compaction and hauling up to 15 miles. Tasks do not include signage, barricades, flagmen, field survey or marking. See CSI section 01 74 19 00-0045 for hauling greater than 15 miles.			
32 01 17 63-0011	EA	Permanent Pot Hole Repairs With Cold Mix, Up To 3 Tons	1,844.00
32 01 17 63-0012	TON	Permanent Pot Hole Repairs With Cold Mix Note: Use for each ton over 3 tons.	598.83
32 01 17 63-0013	EA	Permanent Pot Hole Repairs With Hot Mix Modified, Up To 3 Tons	1,810.21
32 01 17 63-0014	TON	Permanent Pot Hole Repairs With Hot Mix Modified Note: Use for each ton over 3 tons.	587.57
32 01 17 63-0015	EA	Permanent Pot Hole Repairs With Hot Mix, Up To 3 Tons	1,776.42
32 01 17 63-0016	TON	Permanent Pot Hole Repairs With Hot Mix Note: Use for each ton over 3 tons.	576.31
32 01 17 63-0017 Asphalt Placement For Small Repairs (32 01 17 63)			
Note: This section is used for placing up to 100 tons of asphalt after a small area of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc. Includes mobilization of paving equipment such as a roller, placing the asphalt, compaction and hauling up to 15 miles. Excludes saw cutting, demolition of existing pavement, and new subbase material. Use approximately 0.055 tons per square yard per inch of depth. See CSI section 02 41 19 13-0001 for saw cutting.			
32 01 17 63-0018	TON	Asphalt Placement For Small Repair Areas, Cold Mix Modified Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	317.73
32 01 17 63-0019	EA	Asphalt Placement For Small Repair Areas, Cold Mix, Up To 3 Tons Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	2,330.16
32 01 17 63-0020	TON	Asphalt Placement For Small Repair Areas, Cold Mix Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	295.20
32 01 17 63-0021	EA	Asphalt Placement For Small Repair Areas, Hot Mix Modified, Up To 3 Tons Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	2,296.37
32 01 17 63-0022	TON	Asphalt Placement For Small Repair Areas, Hot Mix Modified Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	283.94
32 01 17 63-0023	EA	Asphalt Placement For Small Repair Areas, Hot Mix, Up To 3 Tons Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	2,262.58
32 01 17 63-0024	TON	Asphalt Placement For Small Repair Areas, Hot Mix Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	272.68
32 01 17 63-0025 Grind Asphalt (32 01 17 63)			
32 01 17 63-0026	SY	Grinding Asphalt To Level Bump Or Raised Area.....	22.44

32 01 26 Rigid Paving Rehabilitation (32 01)

32 01 26 71 Grooving of Concrete Paving (32 01 26)

32 01 26 71-0001 Roadway Grooving (32 01 26 71)			
32 01 26 71-0002	EA	First 500 SY Of Pavement Grooving, Concrete, Longitudinal	4,082.23
32 01 26 71-0003	SY	Each SY Over First 500 SY Of Pavement Grooving, Concrete, Longitudinal	3.78
32 01 26 71-0004	EA	First 500 SY Of Pavement Grooving, Concrete, Traverse	4,547.75
32 01 26 71-0005	SY	Each SY Over First 500 SY Of Pavement Grooving, Concrete, Traverse	4.92

32 01 26 71-0006 Rumble Strips (32 01 26 71)			
32 01 26 71-0007	EA	First 5280 LF Of MIARDS, Rumble Strips, Asphalt.....	4,587.61
32 01 26 71-0008	LF	Each LF Over First 5280 LF Of MIARDS, Rumble Strips, Asphalt.....	0.84
32 01 26 71-0009	EA	First 2,000 LF Of MIARDS, Rumble Strips, Concrete	5,112.48
32 01 26 71-0010	LF	Each LF Over First 2,000 LF Of MIARDS, Rumble Strips, Concrete	0.94

32 01 26 73 Milling Of Concrete Paving (32 01 26)

32 01 26 73-0001 Removal Of Concrete (32 01 26 73)			
Note: Includes direct loading into truck.			
32 01 26 73-0002 Production Milling Of Roads And Parking Areas (32 01 26 73-0001)			
Note: For removal of entire lanes of roads or parking areas. Includes work around manholes, scuppers, drainage structures, catch basins, etc. Includes sweeping and loading into truck. See CSI section 01 74 19 00-0045 for hauling.			
32 01 26 73-0003	SY	Production Milling Of Concrete Per Inch.....	7.08

32 01 26 73-0004 Limited Production Milling (32 01 26 73-0001)			
Note: For cross sections of roadways, trenching, partial shoulders, and other small or narrow areas. Includes work around manholes, scuppers, drainage structures, catch basins, etc. Includes sweeping and loading into truck. See CSI section 01 74 19 00-0045 for hauling.			
32 01 26 73-0005	SY	Limited Production Milling Of Concrete Per Inch	44.40

32 Exterior Improvements**32 01 Operation and Maintenance of Exterior Improvements****32 01 29 Rigid Paving Repair**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 01 29 Rigid Paving Repair (32 01)**32 01 29 61 Partial Depth Patching of Rigid Paving** (32 01 29)

32 01 29 61-0001	EA	Hot Applied Flexible Concrete Repair (32 01 29 61) Note: Excludes saw cutting (where required), flagmen.	
32 01 29 61-0002	EA	Hot Applied Flexible Concrete Repair Minimum Charge.....	1,254.87
32 01 29 61-0003	SF	Up To 2" Depth, Hot Applied Flexible Concrete Repair <i>For >25 SF Quantity, Deduct</i>	71.11 -7.11
32 01 29 61-0004	SF	>2" To 4" Depth, Hot Applied Flexible Concrete Repair..... <i>For >25 SF Quantity, Deduct</i>	133.81 -13.38
32 01 29 61-0005	SF	>4" To 6" Depth, Hot Applied Flexible Concrete Repair..... <i>For >25 SF Quantity, Deduct</i>	195.96 -19.60
32 01 29 61-0006	SF	>6" To 8" Depth, Hot Applied Flexible Concrete Repair..... <i>For >25 SF Quantity, Deduct</i>	258.10 -25.81
32 01 29 61-0007	SF	>8" To 10" Depth, Hot Applied Flexible Concrete Repair..... <i>For >25 SF Quantity, Deduct</i>	320.26 -32.03
32 01 29 61-0008	CF	>10" Depth, Hot Applied Flexible Concrete Repair	381.84

32 01 29 61-0009 Cold Applied Flexible Concrete Repair (32 01 29 61)

32 01 29 61-0010	SF	1/8" To 1/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with water).....	6.88
32 01 29 61-0011	SF	1/4" To 1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with water).....	9.94
32 01 29 61-0012	SF	1/2" To 3/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with water).....	13.12
32 01 29 61-0013	SF	3/4" To 1" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with water).....	16.41
32 01 29 61-0014	SF	1" To 1-1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with water).....	23.45
32 01 29 61-0015	SF	1/8" To 1/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with SikaLatex R)	6.97
32 01 29 61-0016	SF	1/4" To 1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with SikaLatex R)	10.03
32 01 29 61-0017	SF	1/2" To 3/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with SikaLatex R)	13.21
32 01 29 61-0018	SF	3/4" To 1" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with SikaLatex R)	16.50
32 01 29 61-0019	SF	1" To 1-1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with SikaLatex R)	23.54
32 01 29 61-0020	SF	1/8" To 1/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with diluted SikaLatex R).....	6.92
32 01 29 61-0021	SF	1/4" To 1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with diluted SikaLatex R).....	9.98
32 01 29 61-0022	SF	1/2" To 3/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with diluted SikaLatex R).....	13.16
32 01 29 61-0023	SF	3/4" To 1" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with diluted SikaLatex R).....	16.45
32 01 29 61-0024	SF	1" To 1-1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with diluted SikaLatex R).....	23.49

32 01 90 Operation and Maintenance of Planting (32 01)

Note: These tasks are to be used as requested by the owner to maintain existing conditions.

32 01 90 13 Fertilizing (32 01 90)

32 01 90 13-0001	MSF	Fertilizer - 2 Lb. Of Nitrogen/MSF (Granular).....	15.32
32 01 90 13-0002	MSF	Fertilizer - 2 Lb. Of Nitrogen/MSF (Liquid)	11.21
32 01 90 13-0003	MSF	Fertilizer - 0.5 Lb. Of Nitrogen/MSF (Granular).....	12.25
32 01 90 13-0004	MSF	Fertilizer - 0.5 Lb. Of Nitrogen/MSF (Liquid)	10.06

32 01 90 19 Mowing (32 01 90)

32 01 90 19-0001	ACR	Vegetation Cutting By Bush Hog	218.86
		Note: Includes normal debris removal, cutting, and trimming.	
		<i>For <1 Acre, Add</i>	54.72
32 01 90 19-0002	MSF	Mowing Vegetation With Riding Mower, >20,000 To 45,000 SF.....	7.45
32 01 90 19-0003	MSF	Mowing Vegetation With Riding Mower, >45,000 SF	5.77
32 01 90 19-0004	MSF	Clear Vegetation With Weed Trimmer, Up To 1,000 SF	25.57
		<i>For Work On Slopes >2:1, Add</i>	6.39
		<i>For Clearing Light Brush, Add</i>	3.84
32 01 90 19-0005	MSF	Clear Vegetation With Weed Trimmer, >1,000 SF.....	21.48
		<i>For Work On Slopes >2:1, Add</i>	5.37
		<i>For Clearing Light Brush, Add</i>	3.22
32 01 90 19-0006	MSF	Blow Or Vacuum Dispersed Non-Native Seed After Bulk Of Biomass Removed	21.97

32 01 90 23 Pruning (32 01 90)**32 01 90 23-0001 Tree Pruning** (32 01 90 23)

Note: Types of pruning for mature trees (these standards are established by the ISA - International Society of Arboriculture). Includes loading onto truck or dumpster.

32 01 90 23-0002 Tree Pruning; Crown Cleaning (32 01 90 23-0001)

Note: Crown cleaning or cleaning out is the removal of dead, dying, diseased, crowded, weakly attached, and low-vigor branches and waterspouts from a tree crown.

32 01 90 23-0003	EA	1-1/2" Caliper, Tree Pruning (Crown Cleaning), By Hand.....	32.14
32 01 90 23-0004	EA	2" Caliper, Tree Pruning (Crown Cleaning), By Hand	36.73
32 01 90 23-0005	EA	2-1/2" Caliper, Tree Pruning (Crown Cleaning), By Hand	41.32
32 01 90 23-0006	EA	3" Caliper, Tree Pruning (Crown Cleaning), By Hand	45.91
32 01 90 23-0007	EA	4" Caliper, Tree Pruning (Crown Cleaning), By Hand	69.77
32 01 90 23-0008	EA	4" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment.....	114.29
32 01 90 23-0009	EA	6" Caliper, Tree Pruning (Crown Cleaning), By Hand	122.10
32 01 90 23-0010	EA	6" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment.....	217.67
32 01 90 23-0011	EA	9" Caliper, Tree Pruning (Crown Cleaning), By Hand	195.52
32 01 90 23-0012	EA	9" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment.....	348.20
32 01 90 23-0013	EA	12" Caliper, Tree Pruning (Crown Cleaning), By Hand	225.93

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 01 90 23-0014	EA	12" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment.....	402.67		
32 01 90 23-0015	EA	18" Caliper, Tree Pruning (Crown Cleaning), By Hand.....	262.63		
32 01 90 23-0016	EA	18" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment.....	467.97		
32 01 90 23-0017	EA	24" Caliper, Tree Pruning (Crown Cleaning), By Hand.....	319.69		
32 01 90 23-0018	EA	24" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment.....	566.01		
32 01 90 23-0019	EA	30" Caliper, Tree Pruning (Crown Cleaning), By Hand.....	397.13		
32 01 90 23-0020	EA	30" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment.....	713.35		
32 01 90 23-0021	EA	36" Caliper, Tree Pruning (Crown Cleaning), By Hand.....	543.93		
32 01 90 23-0022	EA	36" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment.....	966.82		
32 01 90 23-0023	EA	48" Caliper, Tree Pruning (Crown Cleaning), By Hand.....	862.94		
32 01 90 23-0024	EA	48" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment.....	1,554.81		

32 01 90 23-0025

Tree Pruning; Crown Thinning (32 01 90 23-0001)

Note: Crown thinning includes crown cleaning and the selective removal of branches to increase light penetration and air movement into the crown. Increased light and air stimulates and maintains interior foliage, which in turn improves branch taper and strength. Thinning reduces the wind-sail effect of the crown and the weight of the heavy limbs. Thinning the crown can emphasize the structural beauty of the trunk and branches as well as improve the growth of plants beneath the tree by increasing light penetration. When thinning the crown of mature trees, seldom should more than one-third of the live foliage be removed. At least one-half of the foliage should be on branches that arise in the lower two-thirds of the trees. Likewise, when thinning laterals from a limb, an effort should be made to retain inner lateral branches and leave the same distribution of foliage along the branch. Trees and branches so pruned will have stress more evenly distributed throughout the tree or along a branch.

32 01 90 23-0026	EA	1-1/2" Caliper, Tree Pruning (Crown Thinning), By Hand.....	39.39		
32 01 90 23-0027	EA	2" Caliper, Tree Pruning (Crown Thinning), By Hand.....	44.99		
32 01 90 23-0028	EA	2-1/2" Caliper, Tree Pruning (Crown Thinning), By Hand.....	50.59		
32 01 90 23-0029	EA	3" Caliper, Tree Pruning (Crown Thinning), By Hand.....	56.28		
32 01 90 23-0030	EA	4" Caliper, Tree Pruning (Crown Thinning), By Hand.....	85.48		
32 01 90 23-0031	EA	4" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment.....	139.96		
32 01 90 23-0032	EA	6" Caliper, Tree Pruning (Crown Thinning), By Hand.....	149.57		
32 01 90 23-0033	EA	6" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment.....	266.65		
32 01 90 23-0034	EA	9" Caliper, Tree Pruning (Crown Thinning), By Hand.....	239.55		
32 01 90 23-0035	EA	9" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment.....	426.53		
32 01 90 23-0036	EA	12" Caliper, Tree Pruning (Crown Thinning), By Hand.....	276.73		
32 01 90 23-0037	EA	12" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment.....	493.24		
32 01 90 23-0038	EA	18" Caliper, Tree Pruning (Crown Thinning), By Hand.....	321.72		
32 01 90 23-0039	EA	18" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment.....	573.25		
32 01 90 23-0040	EA	24" Caliper, Tree Pruning (Crown Thinning), By Hand.....	391.60		
32 01 90 23-0041	EA	24" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment.....	693.40		
32 01 90 23-0042	EA	30" Caliper, Tree Pruning (Crown Thinning), By Hand.....	486.44		
32 01 90 23-0043	EA	30" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment.....	873.85		
32 01 90 23-0044	EA	36" Caliper, Tree Pruning (Crown Thinning), By Hand.....	666.31		
32 01 90 23-0045	EA	36" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment.....	1,184.36		
32 01 90 23-0046	EA	48" Caliper, Tree Pruning (Crown Thinning), By Hand.....	1,057.08		
32 01 90 23-0047	EA	48" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment.....	1,904.64		

32 01 90 23-0048

Tree Pruning; Crown Raising (32 01 90 23-0001)

Note: Crown raising removes the lower branches of a tree in order to provide clearance for buildings, vehicles, pedestrians, and vistas. It is important that a tree have at least one-half of its foliage on branches that originate in the lower two-thirds of its trunk to ensure a well-formed, tapered structure and to uniformly distribute stress within a tree. When pruning for view, it is preferable to develop "windows" through the foliage of the tree, rather than to severely raise or reduce the crown.

32 01 90 23-0049	EA	1-1/2" Caliper, Tree Pruning (Crown Raising), By Hand.....	43.43		
32 01 90 23-0050	EA	2" Caliper, Tree Pruning (Crown Raising), By Hand.....	49.58		
32 01 90 23-0051	EA	2-1/2" Caliper, Tree Pruning (Crown Raising), By Hand.....	55.83		
32 01 90 23-0052	EA	3" Caliper, Tree Pruning (Crown Raising), By Hand.....	61.98		
32 01 90 23-0053	EA	4" Caliper, Tree Pruning (Crown Raising), By Hand.....	94.21		
32 01 90 23-0054	EA	4" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment.....	154.33		
32 01 90 23-0055	EA	6" Caliper, Tree Pruning (Crown Raising), By Hand.....	164.81		
32 01 90 23-0056	EA	6" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment.....	293.86		
32 01 90 23-0057	EA	9" Caliper, Tree Pruning (Crown Raising), By Hand.....	263.97		
32 01 90 23-0058	EA	9" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment.....	470.07		
32 01 90 23-0059	EA	12" Caliper, Tree Pruning (Crown Raising), By Hand.....	305.01		
32 01 90 23-0060	EA	12" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment.....	543.64		
32 01 90 23-0061	EA	18" Caliper, Tree Pruning (Crown Raising), By Hand.....	354.59		
32 01 90 23-0062	EA	18" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment.....	631.80		
32 01 90 23-0063	EA	24" Caliper, Tree Pruning (Crown Raising), By Hand.....	431.62		
32 01 90 23-0064	EA	24" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment.....	764.14		
32 01 90 23-0065	EA	30" Caliper, Tree Pruning (Crown Raising), By Hand.....	536.12		
32 01 90 23-0066	EA	30" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment.....	962.98		
32 01 90 23-0067	EA	36" Caliper, Tree Pruning (Crown Raising), By Hand.....	734.34		
32 01 90 23-0068	EA	36" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment.....	1,305.17		
32 01 90 23-0069	EA	48" Caliper, Tree Pruning (Crown Raising), By Hand.....	1,164.96		
32 01 90 23-0070	EA	48" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment.....	2,099.02		

32 01 90 23-0071

Tree Pruning; Crown Reduction (32 01 90 23-0001)

Note: Crown reduction is used to reduce the height and/or spread of a tree. Thinning cuts are most effective in maintaining the structural integrity and natural form of a tree and in delaying the time when it will need to be pruned again. The lateral to which a branch or trunk is cut should be at least one-half the diameter of the cut being made.

32 01 90 23-0072	EA	1-1/2" Caliper, Tree Pruning (Crown Reduction), By Hand.....	46.65		
32 01 90 23-0073	EA	2" Caliper, Tree Pruning (Crown Reduction), By Hand.....	53.25		
32 01 90 23-0074	EA	2-1/2" Caliper, Tree Pruning (Crown Reduction), By Hand.....	59.95		
32 01 90 23-0075	EA	3" Caliper, Tree Pruning (Crown Reduction), By Hand.....	66.57		
32 01 90 23-0076	EA	4" Caliper, Tree Pruning (Crown Reduction), By Hand.....	101.18		

32 Exterior Improvements**32 01 Operation and Maintenance of Exterior Improvements****32 01 90 Operation and Maintenance of Planting**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 01 90 23-0077	EA	4" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment.....	165.76
32 01 90 23-0078	EA	6" Caliper, Tree Pruning (Crown Reduction), By Hand.....	177.02
32 01 90 23-0079	EA	6" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment.....	315.63
32 01 90 23-0080	EA	9" Caliper, Tree Pruning (Crown Reduction), By Hand.....	283.53
32 01 90 23-0081	EA	9" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment.....	504.89
32 01 90 23-0082	EA	12" Caliper, Tree Pruning (Crown Reduction), By Hand.....	327.60
32 01 90 23-0083	EA	12" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment.....	583.91
32 01 90 23-0084	EA	18" Caliper, Tree Pruning (Crown Reduction), By Hand.....	380.86
32 01 90 23-0085	EA	18" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment.....	678.59
32 01 90 23-0086	EA	24" Caliper, Tree Pruning (Crown Reduction), By Hand.....	463.58
32 01 90 23-0087	EA	24" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment.....	820.73
32 01 90 23-0088	EA	30" Caliper, Tree Pruning (Crown Reduction), By Hand.....	575.87
32 01 90 23-0089	EA	30" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment.....	1,034.39
32 01 90 23-0090	EA	36" Caliper, Tree Pruning (Crown Reduction), By Hand.....	788.70
32 01 90 23-0091	EA	36" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment.....	1,401.92
32 01 90 23-0092	EA	48" Caliper, Tree Pruning (Crown Reduction), By Hand.....	1,251.27
32 01 90 23-0093	EA	48" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment.....	2,254.44

32 01 90 23-0094**Tree Pruning; Crown Restoration** (32 01 90 23-0001)

Note: Crown restoration can improve the structure and appearance of trees that have been topped or severely pruned using heading cuts. One to three sprouts on main branch stubs should be selected to reform a more natural appearing crown. Selected vigorous sprouts may need to be thinned to a lateral, or even headed, to control length growth in order to ensure adequate attachment for the size of the sprout. Restoration may require several pruning's over a number of years.

32 01 90 23-0095	EA	1-1/2" Caliper, Tree Pruning (Crown Restoration), By Hand.....	53.53
32 01 90 23-0096	EA	2" Caliper, Tree Pruning (Crown Restoration), By Hand.....	61.24
32 01 90 23-0097	EA	2-1/2" Caliper, Tree Pruning (Crown Restoration), By Hand.....	68.87
32 01 90 23-0098	EA	3" Caliper, Tree Pruning (Crown Restoration), By Hand.....	76.49
32 01 90 23-0099	EA	4" Caliper, Tree Pruning (Crown Restoration), By Hand.....	116.24
32 01 90 23-0100	EA	4" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment.....	190.47
32 01 90 23-0101	EA	6" Caliper, Tree Pruning (Crown Restoration), By Hand.....	203.47
32 01 90 23-0102	EA	6" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment.....	362.75
32 01 90 23-0103	EA	9" Caliper, Tree Pruning (Crown Restoration), By Hand.....	325.85
32 01 90 23-0104	EA	9" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment.....	580.31
32 01 90 23-0105	EA	12" Caliper, Tree Pruning (Crown Restoration), By Hand.....	376.53
32 01 90 23-0106	EA	12" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment.....	671.09
32 01 90 23-0107	EA	18" Caliper, Tree Pruning (Crown Restoration), By Hand.....	437.69
32 01 90 23-0108	EA	18" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment.....	779.92
32 01 90 23-0109	EA	24" Caliper, Tree Pruning (Crown Restoration), By Hand.....	532.81
32 01 90 23-0110	EA	24" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment.....	943.39
32 01 90 23-0111	EA	30" Caliper, Tree Pruning (Crown Restoration), By Hand.....	661.90
32 01 90 23-0112	EA	30" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment.....	1,188.93
32 01 90 23-0113	EA	36" Caliper, Tree Pruning (Crown Restoration), By Hand.....	906.60
32 01 90 23-0114	EA	36" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment.....	1,611.44
32 01 90 23-0115	EA	48" Caliper, Tree Pruning (Crown Restoration), By Hand.....	1,438.21
32 01 90 23-0116	EA	48" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment.....	2,591.40

32 01 90 23-0117**Shrub Pruning** (32 01 90 23)

32 01 90 23-0118	MSF	Shrub Pruning, Prune, Shrub Bed.....	104.62
32 01 90 23-0119	EA	Shrub Pruning, Prune, Shrub Under 3' Height.....	3.68
32 01 90 23-0120	EA	Shrub Pruning, Prune, Shrub 4' Height.....	8.27
32 01 90 23-0121	EA	Shrub Pruning, Prune, Shrub Over 6'.....	14.69
32 01 90 23-0122	EA	Shrub Pruning, Prune Trees From Ground.....	36.73
32 01 90 23-0123	EA	Shrub Pruning, Prune Trees From Ground, High Work.....	91.82

32 01 90 23-0124**Root Pruning** (32 01 90 23)

Note: Cut roots cleanly after excavation with clean, sharp tools, to promote callus formation and wound closure. Wounds to be dressed with a tree rooting hormone compound. Mix soil improvements (e.g., peat moss) with fill soil to promote new root growth. Backfill the excavation and water the soil around the roots to avoid leaving air pockets.

32 01 90 23-0125	EA	Root Pruning, One Side Of Up To 1-1/2" Caliper Tree.....	18.36
32 01 90 23-0126	EA	Root Pruning, One Side Of 2" Caliper Tree.....	22.96
32 01 90 23-0127	EA	Root Pruning, One Side Of 2-1/2" Caliper Tree.....	27.55
32 01 90 23-0128	EA	Root Pruning, One Side Of 3" Caliper Tree.....	36.73
32 01 90 23-0129	EA	Root Pruning, One Side Of 4" Caliper Tree.....	55.09
32 01 90 23-0130	EA	Root Pruning, One Side Of >4" To 6" Caliper Tree.....	68.87
32 01 90 23-0131	EA	Root Pruning, One Side Of >6" To 9" Caliper Tree.....	96.41
32 01 90 23-0132	EA	Root Pruning, One Side Of >9" To 12" Caliper Tree.....	110.17
32 01 90 23-0133	EA	Root Pruning, One Side Of >12" To 18" Caliper Tree.....	128.54
32 01 90 23-0134	EA	Root Pruning, One Side Of >18" To 24" Caliper Tree.....	160.68
32 01 90 23-0135	EA	Root Pruning, One Side Of >24" To 30" Caliper Tree.....	197.40
32 01 90 23-0136	EA	Root Pruning, One Side Of >30" To 36" Caliper Tree.....	229.54
32 01 90 23-0137	EA	Root Pruning, One Side Of >36" To 42" Caliper Tree.....	252.50
32 01 90 23-0138	EA	Root Pruning, One Side Of >42" To 48" Caliper Tree.....	275.45

32 01 90 26**Watering** (32 01 90)

Note: Includes delivered water. Not to be used as basis if watering with irrigation system or on-site owner provided water from hose or hydrant.

32 01 90 26-0001**Watering Lawns, Plants And Trees** (32 01 90 26)

Note: Includes delivered water and watering truck. Not to be used as basis if watering with irrigation system or on-site owner provided water from hose or hydrant. These tasks are to be used as requested by the owner for additional watering beyond initial watering at installation for extended watering period of lawns, plants and trees.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST

32 01 90 26-0002	MSF		Watering Sod/Grass, Per Inch Of Water	47.87	
32 01 90 26-0003	CSF		Watering Groundcover.....	7.35	
32 01 90 26-0004	CSF		Watering Annuals And Perennials	12.99	
32 01 90 26-0005	EA		Watering Trees, 1-1/2" To 5" Diameter By Hand	24.99	
32 01 90 26-0006	EA		Watering Trees, 6" To 12" Diameter By Hand	32.85	
32 01 90 26-0007	EA		Watering Trees, 13" To 18" Diameter By Hand	40.72	
32 01 90 26-0008	EA		Watering Trees, >18" Diameter By Hand.....	50.12	
32 01 90 26-0009	EA		Watering Shrub Or Bush By Hand.....	12.56	

32 01 90 36 Weed and Brush Control (32 01 90)

32 01 90 36-0001 Herbicide, Push Or Hand Spreader Applied (32 01 90 36)

32 01 90 36-0002	MSF		Non-Selective Post Emergent Weed Herbicide (70.4 oz/acre or 1.62 oz/MSF)	8.50	
			For >45 To 90, Deduct	-0.47	
			For >90 To 225, Deduct	-1.32	
			For >225 To 870, Deduct	-2.17	
			For >870, Deduct	-2.63	
32 01 90 36-0003	MSF		Non-Selective Post Emergent Woody Brush And Tree Herbicide (128 oz/acre or 2.94 oz/MSF)	9.18	
			For >45 To 90, Deduct	-0.54	
			For >90 To 225, Deduct	-1.45	
			For >225 To 870, Deduct	-2.37	
			For >870, Deduct	-2.91	
32 01 90 36-0004	MSF		Selective Weed Herbicide (56 oz/Acre or 1.28 oz/MSF)	9.14	
			Note: Includes pre and post emergent.		
			For >45 To 90, Deduct	-0.53	
			For >90 To 225, Deduct	-1.45	
			For >225 To 870, Deduct	-2.36	
			For >870, Deduct	-2.89	
32 01 90 36-0005	MSF		Selective Woody Brush And Tree Herbicide (72 oz/acre or 1.65 oz/MSF)	9.56	
			Note: Includes pre and post emergent.		
			For >45 To 90, Deduct	-0.57	
			For >90 To 225, Deduct	-1.53	
			For >225 To 870, Deduct	-2.49	
			For >870, Deduct	-3.06	

32 01 90 39 Pesticides (32 01 90)

32 01 90 39-0001	MSF		Pesticide - Surface Eating	11.66	
32 01 90 39-0002	MSF		Pesticide - Subsurface Eating.....	11.70	
32 01 90 39-0003	MSF		Pesticide - Fungicide Application	12.63	

32 01 90 43 Weed and Cultivate Beds (32 01 90)

32 01 90 43-0001	MSF		Weed Mulched Bed	44.86	
32 01 90 43-0002	MSF		Weed Unmulched Bed.....	128.17	
32 01 90 43-0003	MSF		Cultivate Bed	69.01	

32 01 90 46 Hedge Trimming (32 01 90)

32 01 90 46-0001	LF		Trim 0-5' High Hedge, 0-3' Wide.....	5.93	
32 01 90 46-0002	LF		Trim 0-5' High Hedge, 4-6' Wide.....	8.89	
32 01 90 46-0003	LF		Trim 5-10' High Hedge, 0-3' Wide.....	13.47	
32 01 90 46-0004	LF		Trim 5-10' High Hedge, 4-6' Wide.....	13.71	

32 01 90 53 Plant Growth Regulator Application (32 01 90)

32 01 90 53-0001	EA		Plant Growth Regulator Application	6.56	
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32 05 Common Work Results for Exterior Improvements (32)

32 05 33 Common Work Results for Planting (32 05)

32 05 33 00-0001 Decorative Landscape Boulders (32 05 33)

Note: Includes delivery of materials and placement.

32 05 33 00-0002	EA		1 -6" x 2' x 1' Oval Shape Boulders (Approx. 250 Lb. Each).....	86.43	
32 05 33 00-0003	EA		1 -6" x 2' x 1'-6" Oval Shape Boulders (Approx. 375 Lb. Each)	129.64	
32 05 33 00-0004	EA		2' x 2' x 1'-6" Oval Shape Boulders (Approx. 500 Lb. Each)	172.86	
32 05 33 00-0005	EA		2' x 2' x 2' Oval Shape Boulders (Approx. 667 Lb. Each).....	230.60	
32 05 33 00-0006	EA		2' x 3' x 1'-6" Oval Shape Boulders (Approx. 750 Lb. Each).....	259.56	
32 05 33 00-0007	EA		2' x 3' x 2' Oval Shape Boulders (Approx. 1,000 Lb. Each).....	346.08	
32 05 33 00-0008	EA		2'-6" x 3' x 2' Oval Shape Boulders (Approx. 1,250 Lb. Each)	432.60	
32 05 33 00-0009	EA		3' x 3' x 2' Oval Shape Boulders (Approx. 1,500 Lb. Each).....	519.13	
32 05 33 00-0010	EA		3' x 3'-6" x 2' Oval Shape Boulders (Approx. 1,750 Lb. Each)	605.64	
32 05 33 00-0011	EA		3' x 4' x 2' Oval Shape Boulders (Approx. 2,000 Lb. Each).....	692.16	
32 05 33 00-0012	EA		3' x 3' x 3' Oval Shape Boulders (Approx. 2,250 Lb. Each).....	778.68	
32 05 33 00-0013	EA		3' x 4' x 2'-6" Oval Shape Boulders (Approx. 2,500 Lb. Each)	865.20	
32 05 33 00-0014	EA		3' x 4' x 3' Oval Shape Boulders (Approx. 3,000 Lb. Each).....	1,038.24	
32 05 33 00-0015	TON		Landscape Boulders	692.16	

32 10 Bases, Ballasts, and Paving (32)

32 11 Base Courses (32 10)

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 11 Base Courses**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
32 11 16 Subbase Courses (32 11)**32 11 16 16 Aggregate Subbase Courses** (32 11 16)**32 11 16 16-0001 Base And Subbase Courses For Roadways And Parking Areas** (32 11 16 16)

Note: Includes 3/4" To 1-1/2" aggregate material, hauling up to 15 miles, dumping, spreading, grading, compacting and watering. See CSI section 01 74 19 00-0045 for hauling greater than 15 miles.

32 11 16 16-0002 Base And Subbase Courses By The CY (32 11 16 16-0001)

32 11 16 16-0003	CY	Class II Graded Crushed Aggregate Roadway Base Course	108.78
32 11 16 16-0004	CY	Class III Graded Crushed Aggregate Roadway Base Course	104.20

32 11 16 16-0005 Class II Base Courses By The SY (32 11 16 16-0001)

32 11 16 16-0006	SY	2" Class II Graded Crushed Aggregate Base Course	5.97
		For Up To 500, Add	1.51
		For >500 To 1,000, Add	0.60
		For >5,000 To 10,000, Deduct	-0.23
		For >10,000, Deduct	-0.39
32 11 16 16-0007	SY	4" Class II Crushed Aggregate Base Course	11.95
		For Up To 500, Add	3.03
		For >500 To 1,000, Add	1.20
		For >5,000 To 10,000, Deduct	-0.45
		For >10,000, Deduct	-0.78
32 11 16 16-0008	SY	6" Class II Crushed Aggregate Base Course	17.91
		For Up To 500, Add	4.53
		For >500 To 1,000, Add	1.79
		For >5,000 To 10,000, Deduct	-0.68
		For >10,000, Deduct	-1.16
32 11 16 16-0009	SY	9" Class II Crushed Aggregate Base Course	26.87
		For Up To 500, Add	6.80
		For >500 To 1,000, Add	2.69
		For >5,000 To 10,000, Deduct	-1.02
		For >10,000, Deduct	-1.75
32 11 16 16-0010	SY	12" Class II Crushed Aggregate Base Course	35.83
		For Up To 500, Add	9.07
		For >500 To 1,000, Add	3.58
		For >5,000 To 10,000, Deduct	-1.36
		For >10,000, Deduct	-2.33

32 11 23 Aggregate Base Courses (32 11)**32 11 23 16 Aggregate Base Courses** (32 11 23)**32 11 23 16-0001 Base Courses For Sidewalk (Asphalt Or Concrete)** (32 11 23 16)

Note: Includes material, hauling up to 15 miles, placement, spreading, grading, and compaction. See CSI section 01 74 19 00-0045 for hauling greater than 15 miles.

32 11 23 16-0002	SF	2" Crushed Aggregate Base Course For Sidewalks	0.74
		For Up To 1,000, Add	0.20
		For >1,000 To 2,500, Add	0.07
32 11 23 16-0003	SF	3" Crushed Aggregate Base Course For Sidewalks	1.04
		For Up To 1,000, Add	0.29
		For >1,000 To 2,500, Add	0.10
32 11 23 16-0004	SF	4" Crushed Aggregate Base Course For Sidewalks	1.35
		For Up To 1,000, Add	0.37
		For >1,000 To 2,500, Add	0.14
32 11 23 16-0005	SF	5" Crushed Aggregate Base Course For Sidewalks	1.75
		For Up To 1,000, Add	0.48
		For >1,000 To 2,500, Add	0.18
32 11 23 16-0006	SF	6" Crushed Aggregate Base Course For Sidewalks	2.15
		For Up To 1,000, Add	0.59
		For >1,000 To 2,500, Add	0.22
32 11 23 16-0007	SF	7" Crushed Aggregate Base Course For Sidewalks	2.49
		For Up To 1,000, Add	0.68
		For >1,000 To 2,500, Add	0.25
32 11 23 16-0008	SF	8" Crushed Aggregate Base Course For Sidewalks	2.81
		For Up To 1,000, Add	0.77
		For >1,000 To 2,500, Add	0.28

32 11 26 Asphaltic Base Courses (32 11)**32 11 26 19 Bituminous-Stabilized Base Courses** (32 11 26)**32 11 26 19-0001 Bituminous-Stabilized Base Courses** (32 11 26 19)

32 11 26 19-0002	CY	Bituminous Stabilized Base Course	99.21
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Note: 3/4" ASTM C33.

32 12 Flexible Paving (32 10)**32 12 13 Preparatory Coats** (32 12)**32 12 13 13 Tack Coats** (32 12 13)

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 13 13-0001	SY	Tack Coat, 0.04 Gallon/SY	0.63	
		For Up To 150, Add	0.12	
		For >150 To 300, Add	0.06	
		For >300 To 500, Add	0.03	
		For >3,500 To 5,000, Deduct	-0.02	
		For >5,000, Deduct	-0.04	
32 12 13 13-0002	SY	Tack Coat, 0.05 Gallon/SY	0.70	
		For Up To 150, Add	0.14	
		For >150 To 300, Add	0.07	
		For >300 To 500, Add	0.04	
		For >3,500 To 5,000, Deduct	-0.02	
		For >5,000, Deduct	-0.04	
32 12 13 13-0003	SY	Tack Coat, 0.07 Gallon/SY	0.83	
		For Up To 150, Add	0.17	
		For >150 To 300, Add	0.08	
		For >300 To 500, Add	0.04	
		For >3,500 To 5,000, Deduct	-0.02	
		For >5,000, Deduct	-0.05	
32 12 13 13-0004	SY	Tack Coat, 0.08 Gallon/SY	0.90	
		For Up To 150, Add	0.19	
		For >150 To 300, Add	0.09	
		For >300 To 500, Add	0.05	
		For >3,500 To 5,000, Deduct	-0.02	
		For >5,000, Deduct	-0.06	
32 12 13 13-0005	SY	Tack Coat, 0.10 Gallon/SY	1.04	
		For Up To 150, Add	0.22	
		For >150 To 300, Add	0.10	
		For >300 To 500, Add	0.05	
		For >3,500 To 5,000, Deduct	-0.03	
		For >5,000, Deduct	-0.07	
32 12 13 13-0006	SY	Tack Coat, 0.11 Gallon/SY	1.10	
		For Up To 150, Add	0.24	
		For >150 To 300, Add	0.11	
		For >300 To 500, Add	0.06	
		For >3,500 To 5,000, Deduct	-0.03	
		For >5,000, Deduct	-0.07	
32 12 13 19 Prime Coats (32 12 13)				
32 12 13 19-0001	SY	Surface Prime Coat, 0.26 Gallon/SY	1.86	
		For Up To 150, Add	0.42	
		For >150 To 300, Add	0.19	
		For >300 To 500, Add	0.09	
		For >3,500 To 5,000, Deduct	-0.05	
		For >5,000, Deduct	-0.13	
32 12 13 19-0002	SY	Surface Prime Coat, 0.28 Gallon/SY	1.97	
		For Up To 150, Add	0.45	
		For >150 To 300, Add	0.20	
		For >300 To 500, Add	0.10	
		For >3,500 To 5,000, Deduct	-0.05	
		For >5,000, Deduct	-0.14	
32 12 13 19-0003	SY	Surface Prime Coat, 0.30 Gallon/SY	2.07	
		For Up To 150, Add	0.47	
		For >150 To 300, Add	0.21	
		For >300 To 500, Add	0.10	
		For >3,500 To 5,000, Deduct	-0.05	
		For >5,000, Deduct	-0.14	
32 12 16 Asphalt Paving (32 12)				
32 12 16 13 Plant-Mix Asphalt Paving (32 12 16)				
Note: Includes delivery up to 15 miles, placement, rolling, finishing and sweeping. Excludes base, tack or price coat, seal coats and roadway fabrics (where required). See CSI section 01 74 19 00-0045 for hauling greater than 15 miles, 32 11 00 00-0000 for base courses, 32 12 13 13-0000 for tack coats, 32 12 13 19-0000 for prime coats, 32 12 16 39-0000 for roadway fabrics, 32 12 36 00-0000 for seal coats.				
32 12 16 13-0001		Intermediate Binder Courses, Hot Mix Asphalt (HMA) (32 12 16 13)		
Note: S (3/4") aggregate gradation				
32 12 16 13-0002	TON	Bituminous Hot Mix Intermediate Binder Course 3,954 Lb./CY	136.65	
Note: Includes Type A and Type B with 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping. Used for applications not described elsewhere in this section.				
		For Up To 25, Add	19.64	
		For >25 To 50, Add	10.98	
		For >500 To 1,000, Deduct	-5.66	
		For >1,000 To 2,500, Deduct	-10.29	
		For >2,500 To 5,000, Deduct	-15.95	
		For >5,000, Deduct	-22.89	
		For Warm Mix Additive, Add	6.73	
32 12 16 13-0003	SY	1" Thick Bituminous Hot Mix Intermediate Binder Course	7.77	
Note: Includes placement, rolling, finishing and sweeping.				
		For Up To 1,000, Add	1.15	
		For >1,000 To 2,000, Add	0.65	
		For >10,000 To 20,000, Deduct	-0.33	
		For >20,000 To 50,000, Deduct	-0.59	
		For >50,000 To 100,000, Deduct	-0.92	
		For >100,000, Deduct	-1.32	

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 12 Flexible Paving**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 12 16 13-0004	SY	1-1/2" Thick Bituminous Hot Mix Intermediate Binder Course	11.53	
		Note: Includes placement, rolling, finishing and sweeping.		
		For Up To 700, Add	1.69	
		For >700 To 1,400, Add	0.95	
		For >7,000 To 14,000, Deduct	-0.49	
		For >14,000 To 32,000, Deduct	-0.89	
		For >32,000 To 64,000, Deduct	-1.37	
		For >64,000, Deduct	-1.97	
32 12 16 13-0005	SY	2" Thick Bituminous Hot Mix Intermediate Binder Course	14.83	
		Note: Includes placement, rolling, finishing and sweeping.		
		For Up To 500, Add	2.11	
		For >500 To 1,000, Add	1.18	
		For >5,000 To 10,000, Deduct	-0.64	
		For >10,000 To 24,000, Deduct	-1.16	
		For >24,000 To 48,000, Deduct	-1.80	
		For >48,000, Deduct	-2.58	
32 12 16 13-0006	SY	2-1/2" Thick Bituminous Hot Mix Intermediate Binder Course	18.76	
		Note: Includes placement, rolling, finishing and sweeping.		
		For Up To 400, Add	2.70	
		For >400 To 800, Add	1.51	
		For >4,000 To 8,000, Deduct	-0.80	
		For >8,000 To 20,000, Deduct	-1.46	
		For >20,000 To 40,000, Deduct	-2.26	
		For >40,000, Deduct	-3.25	
32 12 16 13-0007	SY	3" Thick Bituminous Hot Mix Intermediate Binder Course	22.52	
		Note: Includes placement, rolling, finishing and sweeping.		
		For Up To 340, Add	3.24	
		For >340 To 680, Add	2.66	
		For >3,400 To 6,800, Deduct	-0.96	
		For >6,800 To 17,000, Deduct	-1.75	
		For >17,000 To 34,000, Deduct	-2.72	
		For >34,000, Deduct	-3.90	
32 12 16 13-0008	SY	3-1/2" Thick Bituminous Hot Mix Intermediate Binder Course	26.27	
		Note: Includes placement, rolling, finishing and sweeping.		
		For Up To 280, Add	3.78	
		For >280 To 560, Add	2.11	
		For >2,800 To 5,600, Deduct	-1.12	
		For >5,600 To 14,000, Deduct	-2.05	
		For >14,000 To 28,000, Deduct	-3.17	
		For >28,000, Deduct	-4.55	
32 12 16 13-0009	SY	4" Thick Bituminous Hot Mix Intermediate Binder Course	30.02	
		Note: Includes placement, rolling, finishing and sweeping.		
		For Up To 250, Add	4.31	
		For >250 To 500, Add	2.41	
		For >2,500 To 5,000, Deduct	-1.28	
		For >5,000 To 12,000, Deduct	-2.34	
		For >12,000 To 24,000, Deduct	-3.62	
		For >24,000, Deduct	-5.20	
32 12 16 13-0010	SY	5" Thick Bituminous Hot Mix Intermediate Binder Course	37.51	
		Note: Includes placement, rolling, finishing and sweeping.		
		For Up To 200, Add	5.39	
		For >200 To 400, Add	3.01	
		For >2,000 To 4,000, Deduct	-1.60	
		For >4,000 To 10,000, Deduct	-2.92	
		For >10,000 To 20,000, Deduct	-4.52	
		For >20,000, Deduct	-6.50	
32 12 16 13-0011	SY	6" Thick Bituminous Hot Mix Intermediate Binder Course	45.02	
		Note: Includes placement, rolling, finishing and sweeping.		
		For Up To 160, Add	6.47	
		For >160 To 320, Add	3.62	
		For >1,600 To 3,200, Deduct	-1.92	
		For >3,200 To 8,000, Deduct	-3.51	
		For >8,000 To 16,000, Deduct	-5.43	
		For >16,000, Deduct	-7.80	

32 12 16 13-0012 Surface Wearing Courses, Hot Mix Asphalt (HMA)
(32 12 16 13)

Note: SX (1/2") aggregate gradation

32 12 16 13-0013	TON	Bituminous Hot Mix Surface Wearing Course 3,774 Lb./CY	140.20	
		Note: Includes Type A and Type B with 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping. Used for applications not described elsewhere in this section.		
		For PG64-10 Asphalt, Add	7.41	
		For Up To 25, Add	21.48	
		For >25 To 50, Add	12.19	
		For >500 To 1,000, Deduct	-5.55	
		For >1,000 To 2,500, Deduct	-10.11	
		For >2,500 To 5,000, Deduct	-15.65	
		For >5,000, Deduct	-22.49	
		For Warm Mix Additive, Add	6.42	
32 12 16 13-0014	TON	Tire Rubber Modified Paving Asphalt (TRMAC) Surface Course (MAC-15TR)	156.00	
		Note: Includes 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping.		
		For Up To 25, Add	24.30	
		For >25 To 50, Add	13.85	
		For >500 To 1,000, Deduct	-6.09	
		For >1,000 To 2,500, Deduct	-11.11	
		For >2,500 To 5,000, Deduct	-17.20	
		For >5,000, Deduct	-24.73	
		For Warm Mix Additive, Add	7.00	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 16 13-0015	TON	Asphalt Rubberized Hot Mix (ARHM) Surface Course..... Note: Includes 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping.	165.88	
		For Up To 25, Add	25.29	
		For >25 To 50, Add	14.34	
		For >500 To 1,000, Deduct	-6.59	
		For >1,000 To 2,500, Deduct	-12.00	
		For >2,500 To 5,000, Deduct	-18.59	
		For >5,000, Deduct	-26.70	
		For Warm Mix Additive, Add	7.64	
32 12 16 13-0016	SY	1" Thick Bituminous Hot Mix Surface Wearing Course Note: Includes placement, rolling, finishing and sweeping.	7.68	
		For PG64-10 Asphalt, Add	0.39	
		For Up To 1,000, Add	1.22	
		For >1,000 To 2,000, Add	0.70	
		For >10,000 To 20,000, Deduct	-0.31	
		For >20,000 To 50,000, Deduct	-0.57	
		For >50,000 To 100,000, Deduct	-0.88	
		For >100,000, Deduct	-1.26	
32 12 16 13-0017	SY	1-1/2" Thick Bituminous Hot Mix Surface Wearing Course Note: Includes placement, rolling, finishing and sweeping.	11.35	
		For PG64-10 Asphalt, Add	0.58	
		For Up To 700, Add	1.78	
		For >700 To 1,400, Add	1.02	
		For >7,000 To 14,000, Deduct	-0.46	
		For >14,000 To 32,000, Deduct	-0.84	
		For >32,000 To 64,000, Deduct	-1.30	
		For >64,000, Deduct	-1.88	
32 12 16 13-0018	SY	2" Thick Bituminous Hot Mix Surface Wearing Course Note: Includes placement, rolling, finishing and sweeping.	14.49	
		For PG64-10 Asphalt, Add	0.78	
		For Up To 500, Add	2.19	
		For >500 To 1,000, Add	1.24	
		For >5,000 To 10,000, Deduct	-0.60	
		For >10,000 To 24,000, Deduct	-1.10	
		For >24,000 To 48,000, Deduct	-1.70	
		For >48,000, Deduct	-2.44	
32 12 16 13-0019	SY	2-1/2" Thick Bituminous Hot Mix Surface Wearing Course Note: Includes placement, rolling, finishing and sweeping.	18.37	
		For PG64-10 Asphalt, Add	0.97	
		For Up To 400, Add	2.81	
		For >400 To 800, Add	1.60	
		For >4,000 To 8,000, Deduct	-0.76	
		For >8,000 To 20,000, Deduct	-1.38	
		For >20,000 To 40,000, Deduct	-2.14	
		For >40,000, Deduct	-3.08	
32 12 16 13-0020	SY	3" Thick Bituminous Hot Mix Surface Wearing Course Note: Includes placement, rolling, finishing and sweeping.	22.05	
		For PG64-10 Asphalt, Add	1.16	
		For Up To 340, Add	3.38	
		For >340 To 680, Add	2.69	
		For >3,400 To 6,800, Deduct	-0.91	
		For >6,800 To 17,000, Deduct	-1.66	
		For >17,000 To 34,000, Deduct	-2.57	
		For >34,000, Deduct	-3.69	
32 12 16 13-0021	CSF	Type F Asphalt Surface Cap 1/8" To 1/4" Thick For Use Only On Top Concrete Filled Trench.....	98.14	
32 12 16 13-0022		Hand Placed, Hot Mix Asphalt (HMA) (32 12 16 13)		
32 12 16 13-0023	TON	Hand Placed Hot Mixed Asphalt 3,954 Lb./CY Note: For small areas not reachable by machine. Includes placement, rolling, finishing and sweeping.	371.85	
32 12 16 19		Cold-Mix Asphalt Paving (32 12 16)		
		Note: 0.5 Gal asphalt/SY per inch depth; well graded granular aggregate.		
32 12 16 19-0001		Cold Mix Asphalt (CMA) Pavement (32 12 16 19)		
		Note: 0.5 Gal asphalt/SY per inch depth; well-graded granular aggregate.		
32 12 16 19-0002	SY	Cold Laid Asphalt Pavement, Traveling Plant Mixed In Windrows, Compacted 4" Course.....	12.37	
32 12 16 19-0003	SY	Cold Laid Asphalt Pavement, Rotary Plant Mixed In Place, Compacted 4" Course	11.97	
32 12 16 19-0004	SY	Cold Laid Asphalt Pavement, Central Stationary Plant, Mixed, Compacted 4" Course	18.55	
32 12 16 39		Paving Fabrics (32 12 16)		
		See CSI section 31 32 19 16-0000 for geotextile fabric.		
32 12 16 39-0001		Geotextile Paving Fabrics (32 12 16 39)		
32 12 16 39-0002	SY	3.6 Ounce/SY, 90 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Paving Fabric (Carthage Mills FX-38A/O).....	1.95	
		For Up To 50, Add	0.43	
		For >50 To 150, Add	0.32	
		For >150 To 250, Add	0.21	
		For >250 To 500, Add	0.10	
32 12 16 39-0003	SY	4.1 Ounce/SY, 101 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Paving Fabric (Carthage Mills FX-42A/O).....	2.10	
		For Up To 50, Add	0.46	
		For >50 To 150, Add	0.34	
		For >150 To 250, Add	0.22	
		For >250 To 500, Add	0.11	

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 12 Flexible Paving**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
32 12 16 43 Waterproofing Membranes (32 12 16)**32 12 16 43-0001 Waterproofing Membranes (32 12 16 43)**

32 12 16 43-0002	SY	Up To 500 SY, Preformed Rubberized Asphalt Membrane	35.11
32 12 16 43-0003	SY	>500 To 1,000 SY, Preformed Rubberized Asphalt Membrane	26.05
32 12 16 43-0004	SY	>1,000 SY, Preformed Rubberized Asphalt Membrane	15.72

32 12 33 Flexible Paving Surface Treatments (32 12)**32 12 33 00-0001 Bituminous Surface Treatment For Roadways (32 12 33)**

Note: 0.25 Gal bitumen per SY and 30 lb of gravel/SY.

32 12 33 00-0002	SY	Single Course Bituminous Treatment, Prepare And Clean Surface Roadway	2.98
32 12 33 00-0003	SY	Double Course Bituminous Treatment, Prepare And Clean Surface Roadway	5.40

32 12 33 00-0004 Bituminous Surface Treatment For Trails (32 12 33)

Note: 0.25 Gal bitumen per SY and 20 lb of gravel/SY.

32 12 33 00-0005	SY	Bituminous Surface Treatment, For Trails	1.97
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32 12 36 Seal Coats (32 12)

See CSI section 32 01 13 62-0000 for slurry seal.

32 12 36 13 Asphaltic Seal and Fog Coats (32 12 36)**32 12 36 13-0001 Asphalt Emulsion Seal Coat (Chip Seal) (32 12 36 13)**

Note: Includes initial sweeping prior to placement, cleaning of area, rolling and final sweeping. Excludes crack repair, fog sealer, and any additional consecutive days sweeping following final sweeping.

32 12 36 13-0002 Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) (32 12 36 13-0001)

Note: 12 to 20 Pounds Per SY of 1/4" No. 10 with 0.15 to 0.30 gallons asphalt emulsion per SY.

32 12 36 13-0003	SY	Up To 200 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.94
For Each Additional 0.5% Latex Additive, Add			0.57
32 12 36 13-0004	SY	>200 To 500 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.45
For Each Additional 0.5% Latex Additive, Add			0.57
32 12 36 13-0005	SY	>500 To 1,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.24
For Each Additional 0.5% Latex Additive, Add			0.57
32 12 36 13-0006	SY	>1,000 To 5,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	3.98
For Each Additional 0.5% Latex Additive, Add			0.57
32 12 36 13-0007	SY	>5,000 To 10,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	3.86
For Each Additional 0.5% Latex Additive, Add			0.57
32 12 36 13-0008	SY	>10,000 To 20,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	3.75
For Each Additional 0.5% Latex Additive, Add			0.57
32 12 36 13-0009	SY	>20,000 To 50,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	3.62
For Each Additional 0.5% Latex Additive, Add			0.57
32 12 36 13-0010	SY	>50,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	3.55
For Each Additional 0.5% Latex Additive, Add			0.57

32 12 36 13-0011 Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) (32 12 36 13-0001)

Note: 16 to 25 Pounds Per SY of 5/16" No. 8 with 0.25 to 0.35 gallons asphalt emulsion per SY.

32 12 36 13-0012	SY	Up To 200 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.76
For Each Additional 0.5% Latex Additive, Add			0.71
32 12 36 13-0013	SY	>200 To 500 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.21
For Each Additional 0.5% Latex Additive, Add			0.71
32 12 36 13-0014	SY	>500 To 1,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.94
For Each Additional 0.5% Latex Additive, Add			0.71
32 12 36 13-0015	SY	>1,000 To 5,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.78
For Each Additional 0.5% Latex Additive, Add			0.71
32 12 36 13-0016	SY	>5,000 To 10,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.48
For Each Additional 0.5% Latex Additive, Add			0.71
32 12 36 13-0017	SY	>10,000 To 20,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.30
For Each Additional 0.5% Latex Additive, Add			0.71
32 12 36 13-0018	SY	>20,000 To 50,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.13
For Each Additional 0.5% Latex Additive, Add			0.71
32 12 36 13-0019	SY	>50,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.06
For Each Additional 0.5% Latex Additive, Add			0.71

32 12 36 13-0020 Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) (32 12 36 13-0001)

Note: 20 to 30 Pounds Per SY of 3/8" No. 6 with 0.25 to 0.40 gallons asphalt emulsion per SY.

32 12 36 13-0021	SY	Up To 200 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	6.51
For Each Additional 0.5% Latex Additive, Add			0.85
32 12 36 13-0022	SY	>200 To 500 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.89
For Each Additional 0.5% Latex Additive, Add			0.85
32 12 36 13-0023	SY	>500 To 1,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.58
For Each Additional 0.5% Latex Additive, Add			0.85
32 12 36 13-0024	SY	>1,000 To 5,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.22
For Each Additional 0.5% Latex Additive, Add			0.85
32 12 36 13-0025	SY	>5,000 To 10,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.03
For Each Additional 0.5% Latex Additive, Add			0.85
32 12 36 13-0026	SY	>10,000 To 20,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.77
For Each Additional 0.5% Latex Additive, Add			0.85
32 12 36 13-0027	SY	>20,000 To 50,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.57
For Each Additional 0.5% Latex Additive, Add			0.85

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 36 13-0028	SY	>50,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)..... <i>For Each Additional 0.5% Latex Additive, Add</i>	4.49 0.85	
32 12 36 13-0029		Course Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) (32 12 36 13-0001) Note: 23 to 35 Pounds Per SY of 1/2" No. 4 with 0.30 to 0.40 gallons asphalt emulsion per SY.		
32 12 36 13-0030	SY	Up To 200 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) <i>For Each Additional 0.5% Latex Additive, Add</i>	6.60 0.97	
32 12 36 13-0031	SY	>200 To 500 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) <i>For Each Additional 0.5% Latex Additive, Add</i>	5.96 0.97	
32 12 36 13-0032	SY	>500 To 1,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) <i>For Each Additional 0.5% Latex Additive, Add</i>	5.65 0.97	
32 12 36 13-0033	SY	>1,000 To 5,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) <i>For Each Additional 0.5% Latex Additive, Add</i>	5.30 0.97	
32 12 36 13-0034	SY	>5,000 To 10,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) <i>For Each Additional 0.5% Latex Additive, Add</i>	5.11 0.97	
32 12 36 13-0035	SY	>10,000 To 20,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) <i>For Each Additional 0.5% Latex Additive, Add</i>	4.94 0.97	
32 12 36 13-0036	SY	>20,000 To 50,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) <i>For Each Additional 0.5% Latex Additive, Add</i>	4.66 0.97	
32 12 36 13-0037	SY	>50,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) <i>For Each Additional 0.5% Latex Additive, Add</i>	4.57 0.97	
32 12 36 13-0038		Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) (32 12 36 13-0001) Note: First coat 23 to 30 Pounds Per SY of 1/2" No. 4 with 0.20 to 0.35 gallons asphalt emulsion per SY, Second coat 12 to 20 Pounds Per SY of 1/4" No. 10 with 0.20 to 0.30 gallons asphalt emulsion per SY.		
32 12 36 13-0039	SY	Up To 200 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) <i>For Each Additional 0.5% Latex Additive, Add</i>	9.91 1.41	
32 12 36 13-0040	SY	>200 To 500 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) <i>For Each Additional 0.5% Latex Additive, Add</i>	9.09 1.41	
32 12 36 13-0041	SY	>500 To 1,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) <i>For Each Additional 0.5% Latex Additive, Add</i>	8.64 1.41	
32 12 36 13-0042	SY	>1,000 To 5,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) <i>For Each Additional 0.5% Latex Additive, Add</i>	8.11 1.41	
32 12 36 13-0043	SY	>5,000 To 10,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) <i>For Each Additional 0.5% Latex Additive, Add</i>	7.82 1.41	
32 12 36 13-0044	SY	>10,000 To 20,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) <i>For Each Additional 0.5% Latex Additive, Add</i>	7.49 1.41	
32 12 36 13-0045	SY	>20,000 To 50,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) <i>For Each Additional 0.5% Latex Additive, Add</i>	7.21 1.41	
32 12 36 13-0046	SY	>50,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) <i>For Each Additional 0.5% Latex Additive, Add</i>	7.08 1.41	
32 12 36 13-0047		Asphalt Emulsion Seal Coat (Scrub Seal) (32 12 36 13) Note: Includes initial sweeping prior to placement, cleaning of area, towed broom sled of scrub brush and final sweeping. Excludes crack repair, fog sealer, and any additional consecutive days sweeping following final sweeping. See CSI section 32 12 36 13-0084 for fog seal.		
32 12 36 13-0048		Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) (32 12 36 13-0047) Note: 12 to 20 Pounds Per SY of 1/4" No. 10 with 0.15 to 0.30 gallons asphalt emulsion per SY.		
32 12 36 13-0049	SY	Up To 200 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) <i>For Each Additional 0.5% Latex Additive, Add</i>	4.47 0.57	
32 12 36 13-0050	SY	>200 To 500 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) <i>For Each Additional 0.5% Latex Additive, Add</i>	4.18 0.57	
32 12 36 13-0051	SY	>500 To 1,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) <i>For Each Additional 0.5% Latex Additive, Add</i>	3.99 0.57	
32 12 36 13-0052	SY	>1,000 To 5,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) <i>For Each Additional 0.5% Latex Additive, Add</i>	3.77 0.57	
32 12 36 13-0053	SY	>5,000 To 10,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) <i>For Each Additional 0.5% Latex Additive, Add</i>	3.66 0.57	
32 12 36 13-0054	SY	>10,000 To 20,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) <i>For Each Additional 0.5% Latex Additive, Add</i>	3.56 0.57	
32 12 36 13-0055	SY	>20,000 To 50,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) <i>For Each Additional 0.5% Latex Additive, Add</i>	3.45 0.57	
32 12 36 13-0056	SY	>50,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) <i>For Each Additional 0.5% Latex Additive, Add</i>	3.42 0.57	
32 12 36 13-0057		Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) (32 12 36 13-0047) Note: 16 to 25 Pounds Per SY of 5/16" No. 8 with 0.25 to 0.35 gallons asphalt emulsion per SY.		
32 12 36 13-0058	SY	Up To 200 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) <i>For Each Additional 0.5% Latex Additive, Add</i>	5.31 0.71	
32 12 36 13-0059	SY	>200 To 500 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) <i>For Each Additional 0.5% Latex Additive, Add</i>	4.96 0.71	
32 12 36 13-0060	SY	>500 To 1,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) <i>For Each Additional 0.5% Latex Additive, Add</i>	4.75 0.71	
32 12 36 13-0061	SY	>1,000 To 5,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) <i>For Each Additional 0.5% Latex Additive, Add</i>	4.59 0.71	
32 12 36 13-0062	SY	>5,000 To 10,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) <i>For Each Additional 0.5% Latex Additive, Add</i>	4.30 0.71	
32 12 36 13-0063	SY	>10,000 To 20,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) <i>For Each Additional 0.5% Latex Additive, Add</i>	4.12 0.71	

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 12 Flexible Paving**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 12 36 13-0064	SY	>20,000 To 50,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	3.98
		<i>For Each Additional 0.5% Latex Additive, Add</i>	0.71
32 12 36 13-0065	SY	>50,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	3.93
		<i>For Each Additional 0.5% Latex Additive, Add</i>	0.71

32 12 36 13-0066 Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)
(32 12 36 13-0047)

Note: 20 to 30 Pounds Per SY of 3/8" No. 6 with 0.25 to 0.40 gallons asphalt emulsion per SY.

32 12 36 13-0067	SY	Up To 200 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	6.10
		<i>For Each Additional 0.5% Latex Additive, Add</i>	0.85
32 12 36 13-0068	SY	>200 To 500 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	5.69
		<i>For Each Additional 0.5% Latex Additive, Add</i>	0.85
32 12 36 13-0069	SY	>500 To 1,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	5.38
		<i>For Each Additional 0.5% Latex Additive, Add</i>	0.85
32 12 36 13-0070	SY	>1,000 To 5,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	5.04
		<i>For Each Additional 0.5% Latex Additive, Add</i>	0.85
32 12 36 13-0071	SY	>5,000 To 10,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	4.86
		<i>For Each Additional 0.5% Latex Additive, Add</i>	0.85
32 12 36 13-0072	SY	>10,000 To 20,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	4.59
		<i>For Each Additional 0.5% Latex Additive, Add</i>	0.85
32 12 36 13-0073	SY	>20,000 To 50,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	4.42
		<i>For Each Additional 0.5% Latex Additive, Add</i>	0.85
32 12 36 13-0074	SY	>50,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	4.36
		<i>For Each Additional 0.5% Latex Additive, Add</i>	0.85

32 12 36 13-0075 Course Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)
(32 12 36 13-0047)

Note: 23 to 35 Pounds Per SY of 1/2" No. 4 with 0.30 to 0.40 gallons asphalt emulsion per SY.

32 12 36 13-0076	SY	Up To 200 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	6.19
		<i>For Each Additional 0.5% Latex Additive, Add</i>	0.97
32 12 36 13-0077	SY	>200 To 500 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	5.78
		<i>For Each Additional 0.5% Latex Additive, Add</i>	0.97
32 12 36 13-0078	SY	>500 To 1,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	5.46
		<i>For Each Additional 0.5% Latex Additive, Add</i>	0.97
32 12 36 13-0079	SY	>1,000 To 5,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	5.11
		<i>For Each Additional 0.5% Latex Additive, Add</i>	0.97
32 12 36 13-0080	SY	>5,000 To 10,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	4.92
		<i>For Each Additional 0.5% Latex Additive, Add</i>	0.97
32 12 36 13-0081	SY	>10,000 To 20,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	4.76
		<i>For Each Additional 0.5% Latex Additive, Add</i>	0.97
32 12 36 13-0082	SY	>20,000 To 50,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	4.52
		<i>For Each Additional 0.5% Latex Additive, Add</i>	0.97
32 12 36 13-0083	SY	>50,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	4.45
		<i>For Each Additional 0.5% Latex Additive, Add</i>	0.97

32 12 36 13-0084 Fog Seal, CQS-1h
(32 12 36 13)

Note: A fog seal is a light application of diluted, slow-setting asphalt emulsion without aggregate cover. Includes sweeping and cleaning of area.

32 12 36 13-0085	SY	Up To 200 SY, CQS-1h, Fog Seal.....	1.90
32 12 36 13-0086	SY	>200 To 500 SY, CQS-1h, Fog Seal.....	1.39
32 12 36 13-0087	SY	>500 To 1,000 SY, CQS-1h, Fog Seal.....	1.18
32 12 36 13-0088	SY	>1,000 To 5,000 SY, CQS-1h, Fog Seal.....	1.01
32 12 36 13-0089	SY	>5,000 To 10,000 SY, CQS-1h, Fog Seal.....	0.93
32 12 36 13-0090	SY	>10,000 To 20,000 SY, CQS-1h, Fog Seal.....	0.85
32 12 36 13-0091	SY	>20,000 To 50,000 SY, CQS-1h, Fog Seal.....	0.80
32 12 36 13-0092	SY	>50,000 SY, CQS-1h, Fog Seal.....	0.77

32 12 36 13-0093 Sand Sealer
(32 12 36 13)

Note: A sand seal is an application of asphalt binder followed by placement of a layer of sand or fine aggregate, and then rolled to embed the sand or fine aggregate into the binder. Includes sweeping and cleaning of area.

32 12 36 13-0094	SY	Up To 200 SY, Sand Seal.....	2.78
32 12 36 13-0095	SY	>200 To 500 SY, Sand Seal.....	1.84
32 12 36 13-0096	SY	>500 To 1,000 SY, Sand Seal.....	1.81
32 12 36 13-0097	SY	>1,000 To 5,000 SY, Sand Seal.....	1.59
32 12 36 13-0098	SY	>5,000 To 10,000 SY, Sand Seal.....	1.48
32 12 36 13-0099	SY	>10,000 To 20,000 SY, Sand Seal.....	1.38
32 12 36 13-0100	SY	>20,000 To 50,000 SY, Sand Seal.....	1.31
32 12 36 13-0101	SY	>50,000 SY, Sand Seal.....	1.28

32 12 36 16 Coal Tar Seal Coats
(32 12 36)

32 12 36 16-0001 Thermoplastic Coal-Tar Asphalt Seal
(32 12 36 16)

Note: Includes sweeping and cleaning of area.

32 12 36 16-0002	SY	Up To 500 SY, Type I Thermoplastic Coal-Tar Asphalt Seal.....	15.93
32 12 36 16-0003	SY	>500 To 1,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal.....	15.00
32 12 36 16-0004	SY	>1,000 To 5,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal.....	13.23
32 12 36 16-0005	SY	>5,000 To 20,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal.....	11.90
32 12 36 16-0006	SY	>20,000 To 50,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal.....	10.13
32 12 36 16-0007	SY	>50,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal.....	8.35
32 12 36 16-0008	SY	Up To 500 SY, Type II Thermoplastic Coal-Tar Asphalt Seal.....	19.41
32 12 36 16-0009	SY	>500 To 1,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal.....	18.36
32 12 36 16-0010	SY	>1,000 To 5,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal.....	16.23

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 12 36 16-0011	SY	>5,000 To 20,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	14.65	
32 12 36 16-0012	SY	>20,000 To 50,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	12.53	
32 12 36 16-0013	SY	>50,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal.....	10.39	

32 12 36 23 Fuel-Resistant Sealers (32 12 36)

32 12 36 23-0001 Guardtop Seal Coat (32 12 36 23)

Note: Includes sweeping and cleaning of area.

32 12 36 23-0002	SY	GuardTop® Asphalt Based Sealcoat (Two Coats)	3.19	
		For 3% Polyglass Additive, Add	0.40	
		For 6% Polyglass Additive, Add	0.72	
		For Guardtop Black Sand 60 Mesh Additive (At 3 Pounds Per Gallon), Add	0.27	
32 12 36 23-0003	LF	GuardTop® Cold Pour Crack Filler	1.30	
32 12 36 23-0004	LF	GuardTop® Hot Pour Crack Filler.....	1.49	
32 12 36 23-0005	SY	GuardTop® Oil Spot Primer For Asphalt	5.99	
32 12 36 23-0006	SY	GuardTop® Ultra, Polymer Modified, Asphalt Based Sealcoat (Two Coats)	4.25	
		For 3% Polyglass Additive, Add	0.40	
		For 6% Polyglass Additive, Add	0.72	
		For Guardtop Black Sand 60 Mesh Additive (At 3 Pounds Per Gallon), Add	0.27	

32 12 43 Porous Flexible Paving (32 12)

32 12 43 00-0001 Flexible Recycled Plastic Porous Grid (32 12 43)

Note: Includes sand fill in rings. Excludes base, earthwork and grass or sod.

32 12 43 00-0002	SY	1" Thick, Recycled Plastic Flexible Pavement With Sand Fill	39.88	
		Note: Includes sand fill in rings. Excludes base, earthwork and grass or sod. Invisible Structures, Inc.; Grasspave2.		
		For Up To 100, Add	13.48	
		For >100 To 500, Add	3.40	
		For >1,000 To 5,000, Deduct	-1.40	
		For >5,000, Deduct	-2.88	

32 12 73 Asphalt Paving Joint Sealants (32 12)

32 12 73 00-0001 Expansion Joint In Sidewalk (32 12 73)

32 12 73 00-0002	LF	For Hot Asphalt Poured Over Expansion Joint In Sidewalk	3.47	
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32 13 Rigid Paving (32 10)

32 13 13 Concrete Paving (32 13)

Note: The following section includes spreading and placing delivered Portland cement concrete mix.

32 13 13 33 Plain Concrete Paving (32 13 13)

32 13 13 33-0001 Concrete Paving Assemblies (32 13 13 33)

Note: Includes forms, wire mesh (where necessary), two mat layers #3-#6 reinforcing rods at 12" on center with chairs (where necessary), vapor barrier, concrete, curing, latex or hot asphalt expansion joints, control joints, screed, float and finish. Excludes excavation, base and earthwork. Includes concrete paving machine. To be used for roadways, driveways, parking areas, or other areas of vehicular traffic. See CSI section 03 05 13 00-0001 for color additive.

32 13 13 33-0002 4,500 PSI Concrete Paving Assembly (32 13 13 33-0001)

32 13 13 33-0003	SY	4" 4,500 PSI Concrete Paving Assembly	58.79	
		For 2,500 PSI Concrete, Deduct	-3.29	
		For 3,000 PSI Concrete, Deduct	-2.14	
		For 3,500 PSI Concrete, Deduct	-1.71	
		For 4,000 PSI Concrete, Deduct	-0.74	
		For 5,000 PSI Concrete, Add	0.46	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	3.72	
		For <12' Wide Pass, Add	10.41	
		For 24' Or Greater Wide Pass, Deduct	-11.76	
		For Air Entrainment, Add	1.43	
		For Slipforming, Deduct	-5.88	
		For Up To 100, Add	23.84	
		For >100 To 250, Add	13.35	
		For >250 To 500, Add	6.68	
		For >1,000 To 2,000, Deduct	-1.43	
		For >2,000 To 5,000, Deduct	-2.90	
		For >5,000 To 10,000, Deduct	-4.37	
		For >10,000 To 20,000, Deduct	-5.64	
		For >20,000, Deduct	-7.31	

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 13 Rigid Paving**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 13 13 33-0004	SY	5" 4,500 PSI Concrete Paving Assembly	69.43	
		For 2,500 PSI Concrete, Deduct	-4.13	
		For 3,000 PSI Concrete, Deduct	-2.69	
		For 3,500 PSI Concrete, Deduct	-2.15	
		For 4,000 PSI Concrete, Deduct	-0.93	
		For 5,000 PSI Concrete, Add	0.57	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	4.66	
		For <12' Wide Pass, Add	11.98	
		For 24' Or Greater Wide Pass, Deduct	-13.89	
		For Air Entrainment, Add	1.79	
		For Slipforming, Deduct	-6.94	
		For Up To 100, Add	27.31	
		For >100 To 250, Add	15.45	
		For >250 To 500, Add	7.72	
		For >1,000 To 2,000, Deduct	-1.79	
		For >2,000 To 5,000, Deduct	-3.53	
		For >5,000 To 10,000, Deduct	-5.27	
		For >10,000 To 20,000, Deduct	-7.00	
		For >20,000, Deduct	-8.74	
32 13 13 33-0005	SY	6" 4,500 PSI Concrete Paving Assembly	74.19	
		For 2,500 PSI Concrete, Deduct	-4.35	
		For 3,000 PSI Concrete, Deduct	-2.84	
		For 3,500 PSI Concrete, Deduct	-2.27	
		For 4,000 PSI Concrete, Deduct	-0.98	
		For 5,000 PSI Concrete, Add	0.61	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	4.92	
		For <12' Wide Pass, Add	12.87	
		For 24' Or Greater Wide Pass, Deduct	-14.84	
		For Air Entrainment, Add	1.89	
		For Slipforming, Deduct	-7.42	
		For Up To 100, Add	29.38	
		For >100 To 250, Add	16.58	
		For >250 To 500, Add	8.29	
		For >1,000 To 2,000, Deduct	-1.89	
		For >2,000 To 5,000, Deduct	-3.75	
		For >5,000 To 10,000, Deduct	-5.60	
		For >10,000 To 20,000, Deduct	-7.46	
		For >20,000, Deduct	-9.31	
32 13 13 33-0006	SY	7" 4,500 PSI Concrete Paving Assembly	87.99	
		For 2,500 PSI Concrete, Deduct	-5.49	
		For 3,000 PSI Concrete, Deduct	-3.58	
		For 3,500 PSI Concrete, Deduct	-2.86	
		For 4,000 PSI Concrete, Deduct	-1.24	
		For 5,000 PSI Concrete, Add	0.76	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	6.20	
		For <12' Wide Pass, Add	14.84	
		For 24' Or Greater Wide Pass, Deduct	-17.60	
		For Air Entrainment, Add	2.39	
		For Slipforming, Deduct	-8.80	
		For Up To 100, Add	33.71	
		For >100 To 250, Add	19.24	
		For >250 To 500, Add	9.62	
		For >1,000 To 2,000, Deduct	-2.39	
		For >2,000 To 5,000, Deduct	-4.59	
		For >5,000 To 10,000, Deduct	-6.79	
		For >10,000 To 20,000, Deduct	-8.98	
		For >20,000, Deduct	-11.18	
32 13 13 33-0007	SY	8" 4,500 PSI Concrete Paving Assembly	100.71	
		For 2,500 PSI Concrete, Deduct	-6.02	
		For 3,000 PSI Concrete, Deduct	-3.93	
		For 3,500 PSI Concrete, Deduct	-3.14	
		For 4,000 PSI Concrete, Deduct	-1.36	
		For 5,000 PSI Concrete, Add	0.84	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	6.81	
		For <12' Wide Pass, Add	17.32	
		For 24' Or Greater Wide Pass, Deduct	-20.14	
		For Air Entrainment, Add	2.62	
		For Slipforming, Deduct	-10.07	
		For Up To 100, Add	39.48	
		For >100 To 250, Add	22.36	
		For >250 To 500, Add	11.18	
		For >1,000 To 2,000, Deduct	-2.62	
		For >2,000 To 5,000, Deduct	-5.14	
		For >5,000 To 10,000, Deduct	-7.65	
		For >10,000 To 20,000, Deduct	-10.17	
		For >20,000, Deduct	-12.69	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 13 13 33-0008	SY	9" 4,500 PSI Concrete Paving Assembly.....	113.89	
		For 2,500 PSI Concrete, Deduct	-6.96	
		For 3,000 PSI Concrete, Deduct	-4.54	
		For 3,500 PSI Concrete, Deduct	-3.63	
		For 4,000 PSI Concrete, Deduct	-1.57	
		For 5,000 PSI Concrete, Add	0.97	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	7.87	
		For <12' Wide Pass, Add	19.39	
		For 24' Or Greater Wide Pass, Deduct	-22.78	
		For Air Entrainment, Add	3.03	
		For Slipforming, Deduct	-11.39	
		For Up To 100, Add	44.13	
		For >100 To 250, Add	25.09	
		For >250 To 500, Add	12.54	
		For >1,000 To 2,000, Deduct	-3.03	
		For >2,000 To 5,000, Deduct	-5.87	
		For >5,000 To 10,000, Deduct	-8.72	
		For >10,000 To 20,000, Deduct	-11.57	
		For >20,000, Deduct	-14.42	
32 13 13 33-0009	SY	10" 4,500 PSI Concrete Paving Assembly.....	126.99	
		For 2,500 PSI Concrete, Deduct	-7.66	
		For 3,000 PSI Concrete, Deduct	-4.99	
		For 3,500 PSI Concrete, Deduct	-3.99	
		For 4,000 PSI Concrete, Deduct	-1.73	
		For 5,000 PSI Concrete, Add	1.07	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	8.65	
		For <12' Wide Pass, Add	21.76	
		For 24' Or Greater Wide Pass, Deduct	-25.40	
		For Air Entrainment, Add	3.33	
		For Slipforming, Deduct	-12.70	
		For Up To 100, Add	49.57	
		For >100 To 250, Add	28.11	
		For >250 To 500, Add	14.06	
		For >1,000 To 2,000, Deduct	-3.33	
		For >2,000 To 5,000, Deduct	-6.50	
		For >5,000 To 10,000, Deduct	-9.68	
		For >10,000 To 20,000, Deduct	-12.85	
		For >20,000, Deduct	-16.03	
32 13 13 33-0010	SY	12" 4,500 PSI Concrete Paving Assembly.....	151.32	
		For 2,500 PSI Concrete, Deduct	-9.06	
		For 3,000 PSI Concrete, Deduct	-5.91	
		For 3,500 PSI Concrete, Deduct	-4.73	
		For 4,000 PSI Concrete, Deduct	-2.05	
		For 5,000 PSI Concrete, Add	1.26	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	10.25	
		For <12' Wide Pass, Add	26.01	
		For 24' Or Greater Wide Pass, Deduct	-30.26	
		For Air Entrainment, Add	3.94	
		For Slipforming, Deduct	-15.13	
		For Up To 100, Add	59.26	
		For >100 To 250, Add	33.57	
		For >250 To 500, Add	16.79	
		For >1,000 To 2,000, Deduct	-3.94	
		For >2,000 To 5,000, Deduct	-7.72	
		For >5,000 To 10,000, Deduct	-11.51	
		For >10,000 To 20,000, Deduct	-15.29	
		For >20,000, Deduct	-19.07	
32 13 13 33-0011	SY	15" 4,500 PSI Concrete Paving Assembly.....	193.02	
		For 2,500 PSI Concrete, Deduct	-11.13	
		For 3,000 PSI Concrete, Deduct	-7.26	
		For 3,500 PSI Concrete, Deduct	-5.81	
		For 4,000 PSI Concrete, Deduct	-2.52	
		For 5,000 PSI Concrete, Add	1.55	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	12.58	
		For <12' Wide Pass, Add	33.74	
		For 24' Or Greater Wide Pass, Deduct	-38.60	
		For Air Entrainment, Add	4.84	
		For Slipforming, Deduct	-19.30	
		For Up To 100, Add	77.09	
		For >100 To 250, Add	43.39	
		For >250 To 500, Add	21.69	
		For >1,000 To 2,000, Deduct	-4.84	
		For >2,000 To 5,000, Deduct	-9.67	
		For >5,000 To 10,000, Deduct	-14.49	
		For >10,000 To 20,000, Deduct	-19.32	
		For >20,000, Deduct	-24.14	

32 13 16 Decorative Concrete Paving (32 13)

32 13 16 13 Patterned Concrete Paving (32 13 16)

See CSI section 32 17 26 00-0000 for tactile warning surfaces.

32 13 16 13-0001	SF	For Patterned (Tactile) Finish In Concrete Sidewalk.....	5.28	
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32 13 43 Pervious Concrete Paving (32 13)

32 13 43 00-0001 Pervious Concrete Assemblies (32 13 43)

Note: Pervious concrete is a special concrete mix with high porosity that allows water to pass through it. For paving and sidewalks.

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 13 Rigid Paving**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 13 43 00-0002	SF	6" Thick, 15-25% Porosity, Minimum 115 PCF, Pervious Concrete Paving.....	18.24
		Note: Includes filter fabric, concrete, curing, finish, and control joints. Excludes excavation, base, forms and expansion joints along existing.	
		For >5,000 To 30,000, Deduct	-1.94
		For >30,000 To 100,000, Deduct	-3.53
		For >100,000, Deduct	-4.38
32 13 43 00-0003	SF	9" Thick, 15-25% Porosity, Minimum 115 PCF, Pervious Concrete Paving.....	23.21
		Note: Includes filter fabric, concrete, curing, finish, and control joints. Excludes excavation, base, forms and expansion joints along existing.	
		For >5,000 To 30,000, Deduct	-2.39
		For >30,000 To 100,000, Deduct	-4.28
		For >100,000, Deduct	-5.31

32 13 73 Concrete Paving Joint Sealants (32 13)**32 13 73 13 Fuel-Resistant Concrete Paving Joint Sealants (32 13 73)****32 13 73 13-0001 Concrete Pavement Joint And Crack Repair (32 13 73 13)**

Note: Includes cutting joint, removal of existing material, sweeping and cleaning area.

32 13 73 13-0002 Silicone Concrete Pavement Joint And Crack Repair (32 13 73 13-0001)

32 13 73 13-0003	CLF	1/4" x 1/4" Joint, Silicone Concrete Pavement Joint And Crack Repair	621.05
		For Custom Match Coloring, Add	21.94
		For 1 Part Mildew Resistant, Add	31.99
		For High-Modulus Non-Acid Curing, Add	18.28
32 13 73 13-0004	CLF	1/4" x 3/8" Joint, Silicone Concrete Pavement Joint And Crack Repair	702.06
		For Custom Match Coloring, Add	32.91
		For 1 Part Mildew Resistant, Add	47.99
		For High-Modulus Non-Acid Curing, Add	27.42
32 13 73 13-0005	CLF	1/4" x 1/2" Joint, Silicone Concrete Pavement Joint And Crack Repair	783.08
		For Custom Match Coloring, Add	43.88
		For 1 Part Mildew Resistant, Add	63.99
		For High-Modulus Non-Acid Curing, Add	36.56
32 13 73 13-0006	CLF	3/8" x 3/8" Joint, Silicone Concrete Pavement Joint And Crack Repair	805.93
		For Custom Match Coloring, Add	49.36
		For 1 Part Mildew Resistant, Add	71.98
		For High-Modulus Non-Acid Curing, Add	41.13
32 13 73 13-0007	CLF	3/8" x 1/2" Joint, Silicone Concrete Pavement Joint And Crack Repair	892.14
		For Custom Match Coloring, Add	65.81
		For 1 Part Mildew Resistant, Add	95.98
		For High-Modulus Non-Acid Curing, Add	54.84
32 13 73 13-0008	CLF	3/8" x 5/8" Joint, Silicone Concrete Pavement Joint And Crack Repair	978.35
		For Custom Match Coloring, Add	82.27
		For 1 Part Mildew Resistant, Add	119.97
		For High-Modulus Non-Acid Curing, Add	68.56
32 13 73 13-0009	CLF	3/8" x 3/4" Joint, Silicone Concrete Pavement Joint And Crack Repair	1,082.22
		For Custom Match Coloring, Add	98.72
		For 1 Part Mildew Resistant, Add	143.97
		For High-Modulus Non-Acid Curing, Add	82.27
32 13 73 13-0010	CLF	1/2" x 1/2" Joint, Silicone Concrete Pavement Joint And Crack Repair	1,001.20
		For Custom Match Coloring, Add	87.75
		For 1 Part Mildew Resistant, Add	127.97
		For High-Modulus Non-Acid Curing, Add	73.13
32 13 73 13-0011	CLF	1/2" x 5/8" Joint, Silicone Concrete Pavement Joint And Crack Repair	1,163.23
		For Custom Match Coloring, Add	109.69
		For 1 Part Mildew Resistant, Add	159.96
		For High-Modulus Non-Acid Curing, Add	91.41
32 13 73 13-0012	CLF	1/2" x 3/4" Joint, Silicone Concrete Pavement Joint And Crack Repair	1,289.95
		For Custom Match Coloring, Add	131.63
		For 1 Part Mildew Resistant, Add	191.96
		For High-Modulus Non-Acid Curing, Add	109.69
32 13 73 13-0013	CLF	1/2" x 7/8" Joint, Silicone Concrete Pavement Joint And Crack Repair	1,416.67
		For Custom Match Coloring, Add	153.57
		For 1 Part Mildew Resistant, Add	223.95
		For High-Modulus Non-Acid Curing, Add	127.97
32 13 73 13-0014	CLF	1/2" x 1" Joint, Silicone Concrete Pavement Joint And Crack Repair	1,525.74
		For Custom Match Coloring, Add	175.50
		For 1 Part Mildew Resistant, Add	255.94
		For High-Modulus Non-Acid Curing, Add	146.25
32 13 73 13-0015	CLF	3/4" x 3/4" Joint, Silicone Concrete Pavement Joint And Crack Repair	1,634.79
		For Custom Match Coloring, Add	197.44
		For 1 Part Mildew Resistant, Add	287.93
		For High-Modulus Non-Acid Curing, Add	164.53
32 13 73 13-0016	CLF	3/4" x 1" Joint, Silicone Concrete Pavement Joint And Crack Repair	1,990.03
		For Custom Match Coloring, Add	274.22
		For 1 Part Mildew Resistant, Add	399.91
		For High-Modulus Non-Acid Curing, Add	228.52
32 13 73 13-0017	CLF	1" x 1" Joint, Silicone Concrete Pavement Joint And Crack Repair	2,345.27
		For Custom Match Coloring, Add	351.01
		For 1 Part Mildew Resistant, Add	511.89
		For High-Modulus Non-Acid Curing, Add	292.51

32 13 73 16 Field-Molded Concrete Paving Joint Sealants (32 13 73)**32 13 73 16-0001 Preformed Elastomeric Concrete Pavement Joint And Crack Repair (32 13 73 16)**

Note: Includes cutting joint, removal of existing material, sweeping and cleaning area.

32 13 73 16-0002	LF	Joint Sealing, Concrete Pavement Preformed Elastomeric	13.22
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MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 13 73 19 Compression Concrete Paving Joint Sealants (32 13 73)

32 13 73 19-0001

Silicone Joint Sealant For Concrete Pavement (32 13 73 19)

Note: Installation includes high pressure water wash, sand blast, sweeping, cleaning area, backer rod and Dow Corning 888 silicone sealant. Demolition includes removal of existing material where saw cutting is not required. Excludes saw cutting.

32 13 73 19-0002	LF	1/4" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement.....	11.38	2.61
32 13 73 19-0003	LF	3/8" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement.....	12.04	2.65
32 13 73 19-0004	LF	1/2" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement.....	12.94	2.71
32 13 73 19-0005	LF	3/4" x 3/8" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement.....	15.95	2.76
32 13 73 19-0006	LF	1" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement.....	19.02	2.83
32 13 73 19-0007	LF	1-1/2" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement.....	25.02	2.87
32 13 73 19-0008	LF	2" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement.....	38.39	2.93

32 14 Unit Paving (32 10)

32 14 09 Paver Restraints (32 14)

32 14 09 00-0001	Paver Restraints (32 14 09)		
	Note: Paver restraints are used along the edge of a group of pavers as a locking border. Flexible or rigid sections. Includes stakes and connecting devices. Excludes pavers, bedding, excavation, base course and compaction.		
32 14 09 00-0002	LF Up To 2" Height, Vinyl Paver Restraint.....	5.21	1.14
	For >1,000 To 2,000, Deduct	-0.75	
	For >2,000 To 4,000, Deduct	-1.09	
	For >4,000, Deduct	-1.39	
32 14 09 00-0003	LF Up To 2" Height, Galvanized Steel Paver Restraint.....	5.66	1.14
	For >500 To 1,000, Deduct	-0.19	
	For >1,000 To 2,000, Deduct	-0.39	
	For >2,000, Deduct	-0.58	
32 14 09 00-0004	LF Up To 1" Height, Aluminum Paver Restraint.....	5.44	1.14
	For >250 To 500, Deduct	-0.36	
	For >500 To 1,000, Deduct	-0.54	
	For >1,000 To 1,500, Deduct	-0.91	
32 14 09 00-0005	LF >1" To 2" Height, Aluminum Paver Restraint.....	6.45	1.14
	For >250 To 500, Deduct	-0.46	
	For >500 To 1,000, Deduct	-0.70	
	For >1,000 To 1,500, Deduct	-1.16	
32 14 09 00-0006	LF >2" To 3" Height, Aluminum Paver Restraint.....	8.41	1.14
	For >250 To 500, Deduct	-0.66	
	For >500 To 1,000, Deduct	-0.99	
	For >1,000 To 1,500, Deduct	-1.65	
32 14 09 00-0007	LF >3" To 4" Height, Aluminum Paver Restraint.....	9.91	1.14
	For >250 To 500, Deduct	-0.81	
	For >500 To 1,000, Deduct	-1.22	
	For >1,000 To 1,500, Deduct	-2.03	

32 14 11 Bedding for Unit Paving (32 14)

32 14 11 00-0001	Bedding For Brick, Precast Concrete Paver And Stone Sidewalk (32 14 11)	
	Note: Includes delivery up to 15 miles from the closest approved source, the cost for loading, and dumping. See CSI section 01 74 19 00-0045 for hauling greater than 15 miles.	
32 14 11 00-0002	SF 1" To 2" Screeded Sand Bedding	1.18
	For Up To 100, Add	0.52
	For >100 To 500, Add	0.15
	For >1,000 To 5,000, Deduct	-0.09
	For >5,000, Deduct	-0.14
32 14 11 00-0003	SF 1" To 2" Screeded Stone Dust Bedding	1.41
	For Up To 100, Add	0.58
	For >100 To 500, Add	0.16
	For >1,000 To 5,000, Deduct	-0.09
	For >5,000, Deduct	-0.15
32 14 11 00-0004	SF 3" Screeded Stone Dust Bedding	1.82
	For Up To 100, Add	0.72
	For >100 To 500, Add	0.20
	For >1,000 To 5,000, Deduct	-0.11
	For >5,000, Deduct	-0.18
32 14 11 00-0005	SF 4" Screeded Stone Dust Bedding	2.31
	For Up To 100, Add	0.90
	For >100 To 500, Add	0.24
	For >1,000 To 5,000, Deduct	-0.13
	For >5,000, Deduct	-0.22
32 14 11 00-0006	SF 1" Mortar Bedding	3.52
	For Up To 100, Add	1.61
	For >100 To 500, Add	0.47
	For >1,000 To 5,000, Deduct	-0.29
	For >5,000, Deduct	-0.46
32 14 11 00-0007	SF 2" Mortar Bedding	5.10
	For Up To 100, Add	2.25
	For >100 To 500, Add	0.65
	For >1,000 To 5,000, Deduct	-0.39
	For >5,000, Deduct	-0.62
32 14 11 00-0008	SF Thin-Set Latex Portland Cement Mortar	1.84
	For Up To 100, Add	0.85
	For >100 To 500, Add	0.25
	For >1,000 To 5,000, Deduct	-0.16
	For >5,000, Deduct	-0.24

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 14 Unit Paving**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
32 14 13 Precast Concrete Unit Paving (32 14)**32 14 13 16 Precast Concrete Unit Paving Slabs** (32 14 13)**32 14 13 16-0001 Precast Concrete Paver Sidewalk** (32 14 13 16)

Note: Square, rectangular, or interlocking pervious pavers. Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.

32 14 13 16-0002	SF	2-3/8" Thick, Up To 32 SI Precast Concrete Paver	12.16	3.64
		Note: Includes 2-1/2" x 5", 4" x 4", 4" x 6", 5" x 5", 4" x 8" and other similar size pavers.		
		For 2-3/4" Concrete Paver, Add	1.09	
		For 3-1/8" Concrete Paver, Add	1.76	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.97	
		For Up To 100, Add	4.87	
		For >100 To 500, Add	1.34	
		For >1,000 To 5,000, Deduct	-0.73	
		For >5,000, Deduct	-1.24	
32 14 13 16-0003	SF	2-3/8" Thick, >32 to 64 SI Precast Concrete Paver	11.50	3.32
		Note: Includes 5" x 7", 6" x 6", 8" x 8" and other similar size pavers.		
		For 2-3/4" Concrete Paver, Add	1.06	
		For 3-1/8" Concrete Paver, Add	1.71	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.91	
		For Up To 100, Add	4.54	
		For >100 To 500, Add	1.24	
		For >1,000 To 5,000, Deduct	-0.67	
		For >5,000, Deduct	-1.14	
32 14 13 16-0004	SF	2-3/8" Thick, >64 to 144 SI Precast Concrete Paver	10.89	2.64
		Note: Includes 6" x 12", 12" x 12" and other similar size pavers.		
		For 2-3/4" Concrete Paver, Add	1.03	
		For 3-1/8" Concrete Paver, Add	1.67	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.85	
		For Up To 100, Add	4.23	
		For >100 To 500, Add	1.15	
		For >1,000 To 5,000, Deduct	-0.60	
		For >5,000, Deduct	-1.05	
32 14 13 16-0005	SF	2-3/8" Thick, >144 SI Precast Concrete Paver	10.34	2.74
		Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24", 24" x 36", 36" x 36" and other similar size pavers.		
		For 2-3/4" Concrete Paver, Add	1.00	
		For 3-1/8" Concrete Paver, Add	1.62	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.79	
		For Up To 100, Add	3.96	
		For >100 To 500, Add	1.07	
		For >1,000 To 5,000, Deduct	-0.55	
		For >5,000, Deduct	-0.97	
32 14 13 16-0006	SF	2-3/8" Thick, Precast Concrete Paver, Combinations And Patterns	11.18	3.16
		Note: Patterns made by combining pavers from two or more size groups.		
		For 2-3/4" Concrete Paver, Add	1.04	
		For 3-1/8" Concrete Paver, Add	1.69	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.88	
		For Up To 100, Add	4.38	
		For >100 To 500, Add	1.19	
		For >1,000 To 5,000, Deduct	-0.63	
		For >5,000, Deduct	-1.10	

32 14 13 19 Porous Precast Concrete Unit Paving (32 14 13)**32 14 13 19-0001 Turf Block** (32 14 13 19)

Note: Grass grid, open-cell unit paver, geoblock.

32 14 13 19-0002	SF	3-1/8" Thick, Precast Concrete Turf Block	13.20	3.16
		For Up To 100, Add	4.88	
		For >100 To 500, Add	1.29	
		For >1,000 To 5,000, Deduct	-0.63	
		For >5,000, Deduct	-1.16	

32 14 16 Brick Unit Paving (32 14)**32 14 16 00-0001 Brick Paver Sidewalk** (32 14 16)

Note: Includes sand joints. Excludes bedding, excavation, base course and compaction. See CSI section 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.

32 14 16 00-0002	SF	4" x 8" x 2-1/4" Brick Paver, Laid Flat	16.34	3.64
		For 1-3/8" Thick Paver, Deduct	-3.53	
		For 2-3/4" Thick Paver (Vehicular), Add	8.07	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	1.18	
		For Up To 100, Add	5.91	
		For >100 To 500, Add	1.55	
		For >1,000 To 5,000, Deduct	-0.73	
		For >5,000, Deduct	-1.37	
32 14 16 00-0003	SF	4" x 8" x 2-1/4" Brick, Laid On Edge	24.37	4.16
		For 1-3/8" Thick Paver, Deduct	-6.04	
		For 2-3/4" Thick Paver (Vehicular), Add	14.12	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	1.63	
		For Up To 100, Add	8.17	
		For >100 To 500, Add	2.05	
		For >1,000 To 5,000, Deduct	-0.83	
		For >5,000, Deduct	-1.73	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 14 33 Plastic Paving (32 14)

32 14 33 13 Permeable Plastic Paving (32 14 33)

32 14 33 13-0001 Turf Block Plastic Paving (32 14 33 13)

32 14 33 13-0002	SF	4" Thick Recycled Polyvinyl Chloride (PVC) Plastic Turf Block	19.96	3.16
		For Up To 100, Add	6.57	
		For >100 To 500, Add	1.63	
		For >1,000 To 5,000, Deduct	-0.63	
		For >5,000, Deduct	-1.36	

32 14 40 Stone Paving (32 14)

32 14 40 00-0001 Slate Paver Sidewalk (32 14 40)

Note: Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.

32 14 40 00-0002	SF	1" Thick, Up to 54 SI Slate Paver	16.88	3.02
		Note: Includes 3" x 9", 6" x 6", 6" x 9" and other similar size pavers.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	1.15	
		For 1/4" Thick Paver, Deduct	-8.45	
		For 1/2" Thick Paver, Deduct	-5.89	
		For Up To 100, Add	5.73	
		For >100 To 500, Add	1.45	
		For >1,000 To 5,000, Deduct	-0.60	
		For >5,000, Deduct	-1.23	
32 14 40 00-0003	SF	1" Thick, >54 to 108 SI Slate Paver	16.33	2.74
		Note: Includes 6" x 12", 9" x 9", 6" x 18", 9" x 12" and other similar size pavers.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	1.09	
		For 1/4" Thick Paver, Deduct	-8.31	
		For 1/2" Thick Paver, Deduct	-5.81	
		For Up To 100, Add	5.46	
		For >100 To 500, Add	1.37	
		For >1,000 To 5,000, Deduct	-0.55	
		For >5,000, Deduct	-1.15	
32 14 40 00-0004	SF	1" Thick, >108 to 216 SI Slate Paver	15.38	2.27
		Note: Includes 12" x 12", 6" x 24", 9" x 18", 9" x 24", 12" x 18" and other similar size pavers.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	1.00	
		For 1/4" Thick Paver, Deduct	-8.07	
		For 1/2" Thick Paver, Deduct	-5.67	
		For Up To 100, Add	4.98	
		For >100 To 500, Add	1.22	
		For >1,000 To 5,000, Deduct	-0.45	
		For >5,000, Deduct	-1.01	
32 14 40 00-0005	SF	1" Thick, >216 SI Slate Paver	14.97	2.06
		Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24", 24" x 36", 36" x 36" and other similar size pavers.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.96	
		For 1/4" Thick Paver, Deduct	-7.97	
		For 1/2" Thick Paver, Deduct	-5.61	
		For Up To 100, Add	4.78	
		For >100 To 500, Add	1.16	
		For >1,000 To 5,000, Deduct	-0.41	
		For >5,000, Deduct	-0.94	
32 14 40 00-0006	SF	1" Thick, Slate Paver, Combinations And Patterns	15.81	2.48
		Note: Patterns made by combining pavers from two or more size groups.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	1.04	
		For 1/4" Thick Paver, Deduct	-8.18	
		For 1/2" Thick Paver, Deduct	-5.73	
		For Up To 100, Add	5.20	
		For >100 To 500, Add	1.29	
		For >1,000 To 5,000, Deduct	-0.50	
		For >5,000, Deduct	-1.07	

32 14 40 00-0007 Granite Paver Sidewalk (32 14 40)

Note: Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.

32 14 40 00-0008	SF	1" Thick, Up to 54 SI Granite Paver	30.39	3.02
		Note: Includes 3" x 9", 6" x 6", 6" x 9" and other similar size pavers.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	1.82	
		For 2" Granite Paver, Add	1.52	
		For 3" Granite Paver, Add	3.04	
		For 4" Granite Paver, Add	3.34	
		For Up To 100, Add	9.11	
		For >100 To 500, Add	2.12	
		For >1,000 To 5,000, Deduct	-0.60	
		For >5,000, Deduct	-1.64	
32 14 40 00-0009	SF	1" Thick, >54 to 108 SI Granite Paver	29.84	2.74
		Note: Includes 6" x 12", 9" x 9", 6" x 18", 9" x 12" and other similar size pavers.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	1.77	
		For 2" Granite Paver, Add	1.49	
		For 3" Granite Paver, Add	2.98	
		For 4" Granite Paver, Add	3.26	
		For Up To 100, Add	8.83	
		For >100 To 500, Add	2.04	
		For >1,000 To 5,000, Deduct	-0.55	
		For >5,000, Deduct	-1.55	

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 14 Unit Paving**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 14 40 00-0010	SF	1" Thick, >108 to 216 SI Granite Paver.....	28.89	2.27
		Note: Includes 12" x 12", 6" x 24", 9" x 18", 9" x 24", 12" x 18" and other similar size pavers.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	1.67	
		For 2" Granite Paver, Add	1.44	
		For 3" Granite Paver, Add	2.89	
		For 4" Granite Paver, Add	3.12	
		For Up To 100, Add	8.36	
		For >100 To 500, Add	1.90	
		For >1,000 To 5,000, Deduct	-0.45	
		For >5,000, Deduct	-1.41	
32 14 40 00-0011	SF	1" Thick, >216 SI Granite Paver	28.48	2.06
		Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24" and other similar size pavers.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	1.63	
		For 2" Granite Paver, Add	1.42	
		For 3" Granite Paver, Add	2.85	
		For 4" Granite Paver, Add	3.05	
		For Up To 100, Add	8.15	
		For >100 To 500, Add	1.84	
		For >1,000 To 5,000, Deduct	-0.41	
		For >5,000, Deduct	-1.35	
32 14 40 00-0012	SF	1" Thick, Granite Paver, Combinations And Patterns	29.32	2.48
		Note: Patterns made by combining pavers from two or more size groups.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	1.71	
		For 2" Granite Paver, Add	1.47	
		For 3" Granite Paver, Add	2.93	
		For 4" Granite Paver, Add	3.18	
		For Up To 100, Add	8.57	
		For >100 To 500, Add	1.96	
		For >1,000 To 5,000, Deduct	-0.50	
		For >5,000, Deduct	-1.48	

32 15 Aggregate Surfacing ^(32 10)**32 15 40 Crushed Stone Surfacing ^(32 15)**

Note: Includes delivery up to 15 miles from supplier, placement, rolling and compaction water. See CSI section 01 74 19 00-0045 for hauling greater than 15 miles.

32 15 40 00-0001		Gravel Surfacing And Spreading ^(32 15 40)		
		Note: Includes delivered material, placement, rolling and compaction water.		
32 15 40 00-0002	CY	Gravel Surfacing And Spreading	104.05	
32 15 40 00-0003		Limestone Screenings ^(32 15 40)		
		Note: Includes delivered material, placement, rolling and compaction water. For trail maintenance.		
32 15 40 00-0004	CY	Limestone Screenings For Trail	64.86	
32 15 40 00-0005		Decomposed Granite ^(32 15 40)		
		Note: Includes delivered material, placement, rolling and compaction water.		
32 15 40 00-0006	SY	3" To 4" Thick Decomposed Granite Screenings With Stabilizer Pathway	19.91	
		Note: Placed in 2 lifts.		
		For Additional 2"	9.96	
		For >45 To 180, Deduct	-1.32	
		For >180 To 450, Deduct	-1.65	
		For >450, Deduct	-1.97	

32 16 Curbs, Gutters, Sidewalks, and Driveways ^(32 10)**32 16 13 Curbs and Gutters ^(32 16)**

Note: Includes transitions. Demolition Includes two saw cuts (each end) of curbs and gutters for lengths up to 100'. See CSI section 02 41 19 13-0001 for additional saw cuts within the 100'.

32 16 13 13 Cast-In-Place Concrete Curbs and Gutters ^(32 16 13)

Note: Includes concrete, forms, rebar (where required), rebar chairs (where necessary), expansion joints, finish and curing.

32 16 13 13-0001		Cast In Place Concrete Curbs Assemblies ^(32 16 13 13)		
		Note: Includes delivered concrete, forms, rebar, chairs (where necessary), expansion joints, finish and curing.		
32 16 13 13-0002	LF	6" x 12" Cast In Place Concrete Curb (Type A1-6)	24.02	11.59
		For Mountable Curb, Add	1.55	
		For Up To 20, Add	14.07	
		For >20 To 50, Add	7.96	
		For >50 To 100, Add	3.06	
		For >500 To 1,000, Deduct	-3.06	
		For >1,000, Deduct	-5.18	
32 16 13 13-0003	LF	6" x 12" Cast In Place Concrete Curb - Radius (Type A1-6)	27.26	13.33
		For Mountable Curb, Add	1.82	
		For Up To 20, Add	16.17	
		For >20 To 50, Add	9.16	
		For >50 To 100, Add	3.51	
		For >500 To 1,000, Deduct	-3.51	
		For >1,000, Deduct	-5.94	
32 16 13 13-0004	LF	6" x 14" Cast In Place Concrete Curb (Type A1-8)	26.17	11.59
		For Mountable Curb, Add	1.70	
		For Up To 20, Add	15.37	
		For >20 To 50, Add	8.70	
		For >50 To 100, Add	3.34	
		For >500 To 1,000, Deduct	-3.34	
		For >1,000, Deduct	-5.66	

Exterior Improvements			32
Bases, Ballasts, and Paving			32 10
Curbs, Gutters, Sidewalks, and Driveways			32 16

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 13-0005	LF		6" x 14" Cast In Place Concrete Curb - Radius (Type A1-8).....	29.74	13.33
			For Mountable Curb, Add	2.00	
			For Up To 20, Add	17.68	
			For >20 To 50, Add	10.02	
			For >50 To 100, Add	3.63	
			For >500 To 1,000, Deduct	-3.83	
			For >1,000, Deduct	-6.49	
32 16 13 13-0006	LF		6" x 16" Cast In Place Concrete Curb.....	28.54	11.59
			For Mountable Curb, Add	1.84	
			For Up To 20, Add	16.71	
			For >20 To 50, Add	9.46	
			For >50 To 100, Add	3.63	
			For >500 To 1,000, Deduct	-3.63	
			For >1,000, Deduct	-6.16	
32 16 13 13-0007	LF		6" x 16" Cast In Place Concrete Curb - Radius.....	32.36	17.38
			For Mountable Curb, Add	2.17	
			For Up To 20, Add	19.22	
			For >20 To 50, Add	10.88	
			For >50 To 100, Add	4.17	
			For >500 To 1,000, Deduct	-4.17	
			For >1,000, Deduct	-7.06	
32 16 13 13-0008	LF		6" x 18" Cast In Place Concrete Curb.....	30.43	11.59
			For Mountable Curb, Add	1.96	
			For Up To 20, Add	17.80	
			For >20 To 50, Add	10.07	
			For >50 To 100, Add	3.86	
			For >500 To 1,000, Deduct	-3.86	
			For >1,000, Deduct	-6.56	
32 16 13 13-0009	LF		6" x 18" Cast In Place Concrete Curb - Radius.....	34.16	13.33
			For Mountable Curb, Add	2.25	
			For Up To 20, Add	20.16	
			For >20 To 50, Add	11.41	
			For >50 To 100, Add	4.37	
			For >500 To 1,000, Deduct	-4.37	
			For >1,000, Deduct	-7.42	
32 16 13 13-0010	LF		6" x 24" Cast In Place Concrete Curb.....	34.49	12.75
			For Mountable Curb, Add	2.10	
			For Up To 20, Add	19.78	
			For >20 To 50, Add	11.18	
			For >50 To 100, Add	4.30	
			For >500 To 1,000, Deduct	-4.30	
			For >1,000, Deduct	-7.31	
32 16 13 13-0011	LF		6" x 24" Cast In Place Concrete Curb - Radius.....	38.36	14.48
			For Mountable Curb, Add	2.38	
			For Up To 20, Add	22.16	
			For >20 To 50, Add	12.53	
			For >50 To 100, Add	4.82	
			For >500 To 1,000, Deduct	-4.82	
			For >1,000, Deduct	-8.18	
32 16 13 13-0012	LF		12" x 24" Cast In Place Concrete Curb.....	43.44	14.48
			For Mountable Curb, Add	2.10	
			For Up To 20, Add	23.17	
			For >20 To 50, Add	13.04	
			For >50 To 100, Add	5.07	
			For >500 To 1,000, Deduct	-5.07	
			For >1,000, Deduct	-8.69	
32 16 13 13-0013	LF		12" x 24" Cast In Place Concrete Curb - Radius.....	48.16	16.22
			For Mountable Curb, Add	2.38	
			For Up To 20, Add	25.86	
			For >20 To 50, Add	14.55	
			For >50 To 100, Add	5.65	
			For >500 To 1,000, Deduct	-5.65	
			For >1,000, Deduct	-9.68	
32 16 13 13-0014	EA		Additional Finish For Handicap Drop Section In Curb.....	86.90	
32 16 13 13-0015 Cast In Place Concrete Curb And Gutter Assemblies (32 16 13 13)					
Note: Includes concrete, forms, rebar, chairs (where necessary), transitions, expansion joints, finish and curing.					
32 16 13 13-0016	LF		6" x 12" Cast In Place Concrete Gutter With 6" Curb And Face - Straight.....	31.63	13.82
			For Up To 20, Add	21.40	
			For >20 To 50, Add	11.91	
			For >50 To 100, Add	4.74	
			For >500 To 1,000, Deduct	-4.00	
			For >1,000, Deduct	-6.79	
			For Mountable Or Rolled Curb And Gutter, Add	2.01	
32 16 13 13-0017	LF		6" x 12" Cast In Place Concrete Gutter With 6" Curb And Face - Radius.....	34.30	18.44
			For Up To 20, Add	23.23	
			For >20 To 50, Add	12.94	
			For >50 To 100, Add	5.15	
			For >500 To 1,000, Deduct	-4.37	
			For >1,000, Deduct	-7.41	
			For Mountable Or Rolled Curb And Gutter, Add	2.22	
32 16 13 13-0018	LF		6" x 18" Cast In Place Concrete Gutter With 6" Curb And Face - Straight.....	39.54	15.33
			For Up To 20, Add	26.78	
			For >20 To 50, Add	14.92	
			For >50 To 100, Add	5.93	
			For >500 To 1,000, Deduct	-5.03	
			For >1,000, Deduct	-8.54	
			For Mountable Or Rolled Curb And Gutter, Add	2.56	

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 16 Curbs, Gutters, Sidewalks, and Driveways**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 16 13 13-0019	LF	6" x 18" Cast In Place Concrete Gutter With 6" Curb And Face - Radius	43.51	17.06
		For Up To 20, Add	29.51	
		For >20 To 50, Add	16.45	
		For >50 To 100, Add	6.53	
		For >500 To 1,000, Deduct	-5.58	
		For >1,000, Deduct	-9.45	
		For Mountable Or Rolled Curb And Gutter, Add	2.88	
32 16 13 13-0020	LF	6" x 24" Cast In Place Concrete Gutter With 6" Curb And Face - Straight (Type A3-6)	47.45	18.44
		For Up To 20, Add	32.16	
		For >20 To 50, Add	17.92	
		For >50 To 100, Add	7.12	
		For >500 To 1,000, Deduct	-6.06	
		For >1,000, Deduct	-10.28	
		For Mountable Or Rolled Curb And Gutter, Add	3.11	
32 16 13 13-0021	LF	6" x 24" Cast In Place Concrete Gutter With 6" Curb And Face - Radius (Type A3-6)	52.68	20.75
		For Up To 20, Add	35.76	
		For >20 To 50, Add	19.95	
		For >50 To 100, Add	7.90	
		For >500 To 1,000, Deduct	-6.78	
		For >1,000, Deduct	-11.49	
		For Mountable Or Rolled Curb And Gutter, Add	3.53	
32 16 13 13-0022	LF	6" x 30" Cast In Place Concrete Gutter With 6" Curb And Face - Straight	55.95	21.90
		For Up To 20, Add	37.95	
		For >20 To 50, Add	21.16	
		For >50 To 100, Add	8.39	
		For >500 To 1,000, Deduct	-7.18	
		For >1,000, Deduct	-12.16	
		For Mountable Or Rolled Curb And Gutter, Add	3.71	
32 16 13 13-0023	LF	6" x 30" Cast In Place Concrete Gutter With 6" Curb And Face - Radius	61.32	24.20
		For Up To 20, Add	41.63	
		For >20 To 50, Add	23.24	
		For >50 To 100, Add	9.20	
		For >500 To 1,000, Deduct	-7.91	
		For >1,000, Deduct	-13.39	
		For Mountable Or Rolled Curb And Gutter, Add	4.13	
32 16 13 13-0024	LF	6" x 36" Cast In Place Concrete Gutter With 6" Curb And Face - Straight	64.44	25.35
		For Up To 20, Add	43.73	
		For >20 To 50, Add	24.40	
		For >50 To 100, Add	9.67	
		For >500 To 1,000, Deduct	-8.29	
		For >1,000, Deduct	-14.05	
		For Mountable Or Rolled Curb And Gutter, Add	4.31	
32 16 13 13-0025	LF	6" x 36" Cast In Place Concrete Gutter With 6" Curb And Face - Radius	69.95	27.66
		For Up To 20, Add	47.50	
		For >20 To 50, Add	26.52	
		For >50 To 100, Add	10.49	
		For >500 To 1,000, Deduct	-9.03	
		For >1,000, Deduct	-15.29	
		For Mountable Or Rolled Curb And Gutter, Add	4.73	
32 16 13 13-0026	LF	6" x 42" Cast In Place Concrete Gutter With 6" Curb And Face - Straight	72.94	28.81
		For Up To 20, Add	49.53	
		For >20 To 50, Add	27.64	
		For >50 To 100, Add	10.94	
		For >500 To 1,000, Deduct	-9.41	
		For >1,000, Deduct	-15.94	
		For Mountable Or Rolled Curb And Gutter, Add	4.92	
32 16 13 13-0027	LF	6" x 42" Cast In Place Concrete Gutter With 6" Curb And Face - Radius	80.87	32.26
		For Up To 20, Add	54.98	
		For >20 To 50, Add	30.72	
		For >50 To 100, Add	12.13	
		For >500 To 1,000, Deduct	-10.50	
		For >1,000, Deduct	-17.77	
		For Mountable Or Rolled Curb And Gutter, Add	5.56	

32 16 13 14 Machine Formed, Slip Form Curbs (32 16 13)

Note: Includes delivered concrete, steel, expansion joints and finish.

32 16 13 14-0001		Curbs, Machine Formed, Slip Form (32 16 13 14)		
		Note: Includes delivered concrete, steel, expansion joints and finish.		
32 16 13 14-0002	EA	Machine Formed Concrete Curb Minimum Set-Up Charge (One Time Per Job)	1,572.45	
		Note: For projects where the total curbing charge is less than the minimum set-up charge, use this task exclusively. This task shall not be used in conjunction with any other tasks in this section.		
32 16 13 14-0003	LF	6" x 12" Straight Formed Concrete Curb, Machine Formed	12.23	
32 16 13 14-0004	LF	6" x 12" Curved Concrete Curb, Machine Formed	16.90	
32 16 13 14-0005	LF	6" x 18" Straight Concrete Curb, Machine Formed	16.11	
32 16 13 14-0006	LF	6" x 18" Curved Concrete Curb, Machine Formed	21.70	

32 16 13 19 Cast-In-Place Concrete Drainage Ditches (32 16 13)

Note: Includes concrete, forms, rebar (where required), rebar chairs (where necessary), expansion joints, finish and curing.

32 16 13 19-0001		Valley Gutter, Cast In Place (32 16 13 19)		
		Note: Includes concrete, forms, rebar, expansion joints, finish and curing.		
32 16 13 19-0002	LF	2' Wide Cast In Place Concrete Valley Gutter, 6" Thick	22.42	
		For Up To 20, Add	10.69	
		For >20 To 50, Add	5.97	
		For >50 To 100, Add	2.36	
		For >500 To 1,000, Deduct	-2.36	
		For >1,000, Deduct	-4.11	

Exterior Improvements			32
Bases, Ballasts, and Paving			32 10
Curbs, Gutters, Sidewalks, and Driveways			32 16

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 19-0003	LF		2-1/2' Wide Cast In Place Concrete Valley Gutter, 6" Thick.....	27.45	
			For Up To 20, Add	12.97	
			For >20 To 50, Add	7.23	
			For >50 To 100, Add	2.87	
			For >500 To 1,000, Deduct	-2.87	
			For >1,000, Deduct	-4.99	
32 16 13 19-0004	LF		3' Wide Cast In Place Concrete Valley Gutter, 6" Thick.....	32.43	
			For Up To 20, Add	15.20	
			For >20 To 50, Add	8.47	
			For >50 To 100, Add	3.36	
			For >500 To 1,000, Deduct	-3.36	
			For >1,000, Deduct	-5.86	
32 16 13 19-0005	LF		3-1/2' Wide Cast In Place Concrete Valley Gutter, 6" Thick.....	37.37	
			For Up To 20, Add	17.41	
			For >20 To 50, Add	9.70	
			For >50 To 100, Add	3.86	
			For >500 To 1,000, Deduct	-3.86	
			For >1,000, Deduct	-6.72	
32 16 13 19-0006	LF		4' Wide Cast In Place Concrete Valley Gutter, 6" Thick.....	42.33	
			For Up To 20, Add	19.63	
			For >20 To 50, Add	10.93	
			For >50 To 100, Add	4.35	
			For >500 To 1,000, Deduct	-4.35	
			For >1,000, Deduct	-7.58	
32 16 13 19-0007	LF		5' Wide Cast In Place Concrete Valley Gutter, 6" Thick.....	50.12	
			For Up To 20, Add	22.58	
			For >20 To 50, Add	12.55	
			For >50 To 100, Add	5.02	
			For >500 To 1,000, Deduct	-5.02	
			For >1,000, Deduct	-8.78	
32 16 13 19-0008	LF		6' Wide Cast In Place Concrete Valley Gutter, 6" Thick.....	57.59	
			For Up To 20, Add	25.31	
			For >20 To 50, Add	14.04	
			For >50 To 100, Add	5.64	
			For >500 To 1,000, Deduct	-5.64	
			For >1,000, Deduct	-9.90	
32 16 13 19-0009	SF		>6' Wide Cast In Place Concrete Valley Gutter, 6" Thick.....	9.59	
			For Up To 100, Add	4.21	
			For >100 To 250, Add	2.34	
			For >250 To 500, Add	0.94	
			For >2,500 To 5,000, Deduct	-0.94	
			For >5,000, Deduct	-1.65	
32 16 13 19-0010	LF		2' Wide Cast In Place Concrete Valley Gutter, 7" Thick.....	24.59	
			For Up To 20, Add	11.46	
			For >20 To 50, Add	6.38	
			For >50 To 100, Add	2.54	
			For >500 To 1,000, Deduct	-2.54	
			For >1,000, Deduct	-4.42	
32 16 13 19-0011	LF		2-1/2' Wide Cast In Place Concrete Valley Gutter, 7" Thick.....	30.33	
			For Up To 20, Add	14.04	
			For >20 To 50, Add	7.82	
			For >50 To 100, Add	3.11	
			For >500 To 1,000, Deduct	-3.11	
			For >1,000, Deduct	-5.43	
32 16 13 19-0012	LF		3' Wide Cast In Place Concrete Valley Gutter, 7" Thick.....	35.64	
			For Up To 20, Add	16.32	
			For >20 To 50, Add	9.08	
			For >50 To 100, Add	3.62	
			For >500 To 1,000, Deduct	-3.62	
			For >1,000, Deduct	-6.32	
32 16 13 19-0013	LF		3-1/2' Wide Cast In Place Concrete Valley Gutter, 7" Thick.....	41.12	
			For Up To 20, Add	18.71	
			For >20 To 50, Add	10.41	
			For >50 To 100, Add	4.15	
			For >500 To 1,000, Deduct	-4.15	
			For >1,000, Deduct	-7.26	
32 16 13 19-0014	LF		4' Wide Cast In Place Concrete Valley Gutter, 7" Thick.....	46.59	
			For Up To 20, Add	21.10	
			For >20 To 50, Add	11.73	
			For >50 To 100, Add	4.69	
			For >500 To 1,000, Deduct	-4.69	
			For >1,000, Deduct	-8.19	
32 16 13 19-0015	LF		5' Wide Cast In Place Concrete Valley Gutter, 7" Thick.....	55.28	
			For Up To 20, Add	24.31	
			For >20 To 50, Add	13.48	
			For >50 To 100, Add	5.42	
			For >500 To 1,000, Deduct	-5.42	
			For >1,000, Deduct	-9.50	
32 16 13 19-0016	LF		6' Wide Cast In Place Concrete Valley Gutter, 7" Thick.....	63.64	
			For Up To 20, Add	27.29	
			For >20 To 50, Add	15.10	
			For >50 To 100, Add	6.09	
			For >500 To 1,000, Deduct	-6.09	
			For >1,000, Deduct	-10.73	
32 16 13 19-0017	SF		>6' Wide Cast In Place Concrete Valley Gutter, 7" Thick.....	10.61	
			For Up To 100, Add	4.55	
			For >100 To 250, Add	2.52	
			For >250 To 500, Add	1.02	
			For >2,500 To 5,000, Deduct	-1.02	
			For >5,000, Deduct	-1.79	

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 16 Curbs, Gutters, Sidewalks, and Driveways**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 16 13 19-0018	LF	2' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	24.81	
		For Up To 20, Add	11.84	
		For >20 To 50, Add	6.61	
		For >50 To 100, Add	2.62	
		For >500 To 1,000, Deduct	-2.62	
		For >1,000, Deduct	-4.55	
32 16 13 19-0019	LF	2-1/2' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	30.41	
		For Up To 20, Add	14.38	
		For >20 To 50, Add	8.02	
		For >50 To 100, Add	3.18	
		For >500 To 1,000, Deduct	-3.18	
		For >1,000, Deduct	-5.53	
32 16 13 19-0020	LF	3' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	35.91	
		For Up To 20, Add	16.85	
		For >20 To 50, Add	9.39	
		For >50 To 100, Add	3.73	
		For >500 To 1,000, Deduct	-3.73	
		For >1,000, Deduct	-6.49	
32 16 13 19-0021	LF	3-1/2' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	41.42	
		For Up To 20, Add	19.32	
		For >20 To 50, Add	10.77	
		For >50 To 100, Add	4.28	
		For >500 To 1,000, Deduct	-4.28	
		For >1,000, Deduct	-7.45	
32 16 13 19-0022	LF	4' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	46.92	
		For Up To 20, Add	21.79	
		For >20 To 50, Add	12.14	
		For >50 To 100, Add	4.83	
		For >500 To 1,000, Deduct	-4.83	
		For >1,000, Deduct	-8.42	
32 16 13 19-0023	LF	5' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	55.55	
32 16 13 19-0024	LF	6' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	63.80	
32 16 13 19-0025	SF	>6' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	10.64	
		For Up To 100, Add	4.68	
		For >100 To 250, Add	2.60	
		For >250 To 500, Add	1.04	
		For >2,500 To 5,000, Deduct	-1.04	
		For >5,000, Deduct	-1.83	

32 16 13 23 Precast Concrete Curbs and Gutters (32 16 13)

32 16 13 23-0001		Precast Concrete Curb (32 16 13 23)		
32 16 13 23-0002	LF	6" x 18" Precast Concrete Curb	42.29	10.51
32 16 13 23-0003	LF	6" x 18" Precast Concrete Curb, Radius	50.32	12.09
32 16 13 23-0004	LF	6" x 20" Precast Concrete Curb	44.73	10.51
32 16 13 23-0005	LF	6" x 20" Precast Concrete Curb, Radius	53.53	12.09
32 16 13 23-0006	LF	7" x 18" Precast Concrete Curb	45.84	10.51
32 16 13 23-0007	LF	7" x 18" Precast Concrete Curb, Radius	54.81	12.09
32 16 13 23-0008	LF	7" x 20" Precast Concrete Curb	48.59	10.51
32 16 13 23-0009	LF	7" x 20" Precast Concrete Curb, Radius	58.31	12.09

32 16 13 33 Asphalt Curbs (32 16 13)

32 16 13 33-0001		Asphalt Curbs (32 16 13 33)		
32 16 13 33-0002	LF	6" Wide x 6" High Asphalt Curb 64 LF/TON, Bituminous, Plain	13.15	5.55
32 16 13 33-0003	LF	8" Wide x 6" High Asphalt Curb 50 LF/TON, Bituminous, Plain	14.79	6.16
32 16 13 33-0004	LF	8" Wide x 8" High Asphalt Curb 44 LF/TON, Bituminous, Plain	16.30	6.77

32 16 13 43 Stone Curbs (32 16 13)

32 16 13 43-0001		Remove And Reset Stone And Precast Curbing (32 16 13 43)		
		Note: Includes storage and cleaning.		
32 16 13 43-0002	LF	Removal And Resetting Of Stone Or Precast Curbing.....	39.84	
		Note: Includes storage and cleaning.		

32 16 23 Sidewalks (32 16)

32 16 23 00-0001		Cast In Place Concrete Sidewalk Assemblies (32 16 23)		
		Note: Includes finish grading, delivered concrete (up to 3500 PSI) by chute, formwork, 1/4" radius joints and edges, polyethylene sheeting, control joints, expansion joints, sealer, screed, broom finish, and curing. Excludes excavation, base, base compaction and welded wire reinforcement. For bar or fiber reinforcing, add bar or fiber reinforcing tasks. See CSI section 02 41 13 13-0000 for sidewalk removal, 03 05 13 00-0001 for color additive, 03 21 00 00-0000 for reinforcing steel, 03 31 13 00-0079 for buggies, 03 31 13 00-0086 for small quantity purchases, 03 37 16 00-0001 for pumping with boom truck, 31 23 16 36-0000 for excavation, 32 11 23 16-0001 for base course.		
32 16 23 00-0002	SF	4" Cast In Place Concrete Sidewalk	9.34	
		For Up To 100, Add	4.06	
		For >100 To 500, Add	1.16	
		For >2,000 To 5,000, Deduct	-0.52	
		For >5,000 To 10,000, Deduct	-1.16	
		For >10,000 To 20,000, Deduct	-1.56	
		For >20,000, Deduct	-1.97	
		For 3,500 PSI Concrete, Add	0.11	
		For 4,000 PSI Concrete, Add	0.20	
		For 4,500 PSI Concrete, Add	0.23	
		For Welded Wire Reinforcement, Add	0.83	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 23 00-0003	SF		5" Cast In Place Concrete Sidewalk	10.12	
			For Up To 100, Add	4.32	
			For >100 To 500, Add	1.22	
			For >2,000 To 5,000, Deduct	-0.54	
			For >5,000 To 10,000, Deduct	-1.22	
			For >10,000 To 20,000, Deduct	-1.65	
			For >20,000, Deduct	-2.08	
			For 3,500 PSI Concrete, Add	0.14	
			For 4,000 PSI Concrete, Add	0.24	
			For 4,500 PSI Concrete, Add	0.28	
			For Welded Wire Reinforcement, Add	0.83	
32 16 23 00-0004	SF		6" Cast In Place Concrete Sidewalk	10.93	
			For Up To 100, Add	4.59	
			For >100 To 500, Add	1.29	
			For >2,000 To 5,000, Deduct	-0.56	
			For >5,000 To 10,000, Deduct	-1.29	
			For >10,000 To 20,000, Deduct	-1.75	
			For >20,000, Deduct	-2.20	
			For 3,500 PSI Concrete, Add	0.16	
			For 4,000 PSI Concrete, Add	0.28	
			For 4,500 PSI Concrete, Add	0.33	
			For Welded Wire Reinforcement, Add	0.83	
32 16 23 00-0005	SF		7" Cast In Place Concrete Sidewalk	12.69	
			For Up To 100, Add	5.27	
			For >100 To 500, Add	1.47	
			For >2,000 To 5,000, Deduct	-0.63	
			For >5,000 To 10,000, Deduct	-1.47	
			For >10,000 To 20,000, Deduct	-2.00	
			For >20,000, Deduct	-2.53	
			For 3,500 PSI Concrete, Add	0.20	
			For 4,000 PSI Concrete, Add	0.34	
			For 4,500 PSI Concrete, Add	0.40	
			For Welded Wire Reinforcement, Add	0.83	
32 16 23 00-0006	SF		8" Cast In Place Concrete Sidewalk	13.38	
			For Up To 100, Add	5.48	
			For >100 To 500, Add	1.52	
			For >2,000 To 5,000, Deduct	-0.64	
			For >5,000 To 10,000, Deduct	-1.52	
			For >10,000 To 20,000, Deduct	-2.07	
			For >20,000, Deduct	-2.62	
			For 3,500 PSI Concrete, Add	0.22	
			For 4,000 PSI Concrete, Add	0.39	
			For 4,500 PSI Concrete, Add	0.45	
			For Welded Wire Reinforcement, Add	0.83	
32 16 23 00-0007	SF		For Exposed Aggregate Finish In Sidewalk	2.64	
32 16 23 00-0008	EA		Finish Concrete Handicap Drop Section In Sidewalk.....	158.59	
			Note: Excludes patterned (tactile) finish.		
32 16 23 00-0009	LF		For Hand Trowel Finish At Sidewalk Edges (Picture Frame).....	2.64	
32 16 23 00-0010			Bituminous Sidewalk Assemblies (32 16 23)		
			Note: Includes finish grading, delivered asphalt, formwork, control joints, expansion joints, and compaction. Excludes excavation, base, and base compaction. See CSI section 32 11 23 16-0001 for base course.		
32 16 23 00-0011	SY		1" Bituminous Sidewalk	9.12	
			For Up To 100, Add	3.51	
			For >100 To 500, Add	0.95	
			For >1,000 To 5,000, Deduct	-0.49	
			For >5,000, Deduct	-0.95	
32 16 23 00-0012	SY		1-1/2" Bituminous Sidewalk	11.41	
			For Up To 100, Add	4.33	
			For >100 To 500, Add	1.16	
			For >1,000 To 5,000, Deduct	-0.59	
			For >5,000, Deduct	-1.16	
32 16 23 00-0013	SY		2" Bituminous Sidewalk	15.70	
			For Up To 100, Add	5.75	
			For >100 To 500, Add	1.52	
			For >1,000 To 5,000, Deduct	-0.73	
			For >5,000, Deduct	-1.52	
32 16 23 00-0014	SY		2-1/2" Bituminous Sidewalk	19.62	
			For Up To 100, Add	7.17	
			For >100 To 500, Add	1.89	
			For >1,000 To 5,000, Deduct	-0.91	
			For >5,000, Deduct	-1.89	
32 16 23 00-0015	SY		3" Bituminous Sidewalk	22.50	
			For Up To 100, Add	8.08	
			For >100 To 500, Add	2.11	
			For >1,000 To 5,000, Deduct	-0.98	
			For >5,000, Deduct	-2.11	
32 16 23 00-0016	SY		3-1/2" Bituminous Sidewalk	25.90	
			For Up To 100, Add	9.17	
			For >100 To 500, Add	2.37	
			For >1,000 To 5,000, Deduct	-1.08	
			For >5,000, Deduct	-2.37	
32 16 43			Asphalt Dike (32 16)		
32 16 43 00-0001			Asphalt Dike (32 16 43)		
32 16 43 00-0002	LF		Type A, Asphalt Dike, 11" Base, 5" Top, 6" Height.....	6.78	
32 16 43 00-0003	LF		Type B, Asphalt Dike, 13" Base, 5" Top, 8" Height.....	9.25	
32 16 43 00-0004	LF		Type C-6, Asphalt Dike, 18" Base, 6" Top, 6" Height.....	9.25	

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 16 Curbs, Gutters, Sidewalks, and Driveways**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 16 43 00-0005	LF	Type C-8, Asphalt Dike, 22" Base, 6" Top, 8" Height.....	13.15	
32 16 43 00-0006	LF	Type C-9, Asphalt Dike, 24" Base, 6" Top, 9" Height.....	15.55	
32 16 43 00-0007	LF	Type D, Asphalt Dike, 8" Base, 4" Top, 2" Height.....	3.69	
32 16 43 00-0008	LF	Type E, Mountable Asphalt Dike, 16" Base, 12" Top, 2" Height Front, 6" Height Back.....	9.57	
32 16 43 00-0009	LF	Type F, Mountable Asphalt Dike, 26" Base, 20" Top, 2" Height Front, 8" Height Back.....	14.77	
32 16 43 00-0010	LF	CALTRANS Type A, Asphalt Dike, 11" Base, 5" Top, 6" Height.....	6.78	
32 16 43 00-0011	LF	CALTRANS Type C, Asphalt Dike, 8" Base, 4" Top, 2" Height.....	3.69	
32 16 43 00-0012	LF	CALTRANS Type D, Mountable Asphalt Dike, 26" Base, 20" Top, 2" Height Front, 8" Height Back.....	14.77	
32 16 43 00-0013	LF	CALTRANS Type E, Mountable Asphalt Dike, 16" Base, 12" Top, 2" Height Front, 6" Height Back.....	9.57	
32 16 43 00-0014	LF	CALTRANS Type F, Asphalt Dike, 8" Base, 4" Top, 4" Height.....	5.38	

32 17 Paving Specialties (32 10)**32 17 13 Parking Bumpers** (32 17)

Note: Includes dowels set.

32 17 13 16 Plastic Parking Bumpers (32 17 13)

32 17 13 16-0001	EA	4" x 6" x 4' Recycled Plastic Wheel Stop	179.78	7.46
32 17 13 16-0002	EA	4" x 6" x 6' Recycled Plastic Wheel Stop	203.61	7.46

32 17 13 19 Precast Concrete Parking Bumpers (32 17 13)

32 17 13 19-0001	EA	6" x 8" x 4' Precast Concrete Wheel Stop With Dowels	72.85	22.47
32 17 13 19-0002	EA	6" x 6" x 6' Precast Concrete Wheel Stop With Dowels	82.91	22.47
32 17 13 19-0003	EA	6" x 8" x 6' Precast Concrete Wheel Stop With Dowels	86.51	22.47
32 17 13 19-0004	EA	6" x 10" x 6' Precast Concrete Wheel Stop With Dowels	90.58	22.47
32 17 13 19-0005	EA	4-7/8" x 7-5/8" x 6' Precast Concrete Wheel Stop With Dowels.....	84.53	22.47
32 17 13 19-0006	EA	8" x 13" x 6' Precast Concrete Wheel Stop With Dowels	106.98	22.47
32 17 13 19-0007	EA	Removal And Relocation Of Precast Concrete Wheel Stop.....	35.95	
32 17 13 19-0008	EA	Removal And Relocation Of Plastic Or Wood Wheel Stop	23.37	

32 17 13 23 Rubber Parking Bumpers (32 17 13)

32 17 13 23-0001	EA	3' Recycled Rubber Wheel Stop	31.52	7.46
32 17 13 23-0002	EA	4' Recycled Rubber Wheel Stop	36.67	7.46
32 17 13 23-0003	EA	5' Recycled Rubber Wheel Stop	38.73	7.46
32 17 13 23-0004	EA	6' Recycled Rubber Wheel Stop	41.82	7.46

32 17 13 26 Wood Parking Bumpers (32 17 13)

32 17 13 26-0001	LF	4" x 4" Timber Barrier With Saddles For Cars, Pressure Treated	10.48	1.80
32 17 13 26-0002	LF	6" x 6" Timber Barriers With Saddle For Trucks, Pressure Treated.....	13.73	1.80

32 17 16 Manufactured Traffic-Calming Devices (32 17)**32 17 16 00-0001 Modular Rubber Speed Tables** (32 17 16)

Note: 3" high flat-topped speed humps, 18" x 42" modular rubber construction. Trafficlogix.

32 17 16 00-0002	SF	Up To 24' Road Width x 7' Run Modular Rubber Speed Table.....	71.06	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.				
32 17 16 00-0003	SF	Up To 24' Road Width x 14' Run Modular Rubber Speed Table.....	62.08	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.				
32 17 16 00-0004	SF	Up To 24' Road Width x 21' Run Modular Rubber Speed Table.....	58.25	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.				
32 17 16 00-0005	SF	>24' To 30' Road Width x 7' Run Modular Rubber Speed Table.....	68.00	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.				
32 17 16 00-0006	SF	>24' To 30' Road Width x 14' Run Modular Rubber Speed Table.....	59.79	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.				
32 17 16 00-0007	SF	>24' To 30' Road Width x 21' Run Modular Rubber Speed Table.....	56.40	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.				
32 17 16 00-0008	SF	>30' To 40' Road Width x 7' Run Modular Rubber Speed Table.....	64.93	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.				
32 17 16 00-0009	SF	>30' To 40' Road Width x 14' Run Modular Rubber Speed Table.....	57.99	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.				
32 17 16 00-0010	SF	>30' To 40' Road Width x 21' Run Modular Rubber Speed Table.....	54.88	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.				

32 17 16 00-0011 Asphalt Speed Table (32 17 16)

Note: Excludes pavement markings or reflectors.

32 17 16 00-0012	LF	Up to 36" Run, Asphalt Speed Table With 3" Center Crown.....	37.92	
Note: Tapered on edges to roadway.				
32 17 16 00-0013	LF	>36" To 48" Run, Asphalt Speed Table With 3" Center Crown.....	44.67	
Note: Tapered on edges to roadway.				
32 17 16 00-0014	LF	Up to 36" Run, Asphalt Speed Table With 4" Center Crown.....	47.62	
Note: Tapered on edges to roadway.				

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 16 00-0015	LF		>36" To 48" Run, Asphalt Speed Table With 4" Center Crown.....	56.13	
			Note: Tapered on edges to roadway.		
32 17 16 00-0016	LF		Up to 36" Run, Asphalt Speed Table With 6" Center Crown.....	58.53	
			Note: Tapered on edges to roadway.		
32 17 16 00-0017	LF		>36" To 48" Run, Asphalt Speed Table With 6" Center Crown.....	65.28	
			Note: Tapered on edges to roadway.		
32 17 16 00-0018			Mini Speed Humps (32 17 16)		
32 17 16 00-0019	EA		35-1/2" x 19-1/2" x 2-1/4" Recycled Rubber Mini Speed Humps With Reflectors	254.37	22.44
			Note: Includes bolts.		
			<i>For Adhesive Installed Instead of Bolt Down, Deduct</i>	-2.51	
32 17 16 00-0020	EA		35-1/2" x 19-1/2" x 2-1/4" Recycled Rubber Mini Speed Humps End Section	195.06	22.44
			Note: Includes bolts.		
			<i>For Adhesive Installed Instead of Bolt Down, Deduct</i>	-2.51	
32 17 16 00-0021			Speed Bumps (32 17 16)		
			Note: Excludes pavement markings or reflectors.		
32 17 16 00-0022	LF		2-1/4" High x 10-1/2" Wide, Asphalt Speed Bump	33.67	1.86
32 17 16 00-0023	LF		2-1/4" High x 12" Wide, Recycled Rubber Speed Bump	30.46	1.24
32 17 16 00-0024	LF		2-5/8" High x 12" Wide, Recycled Plastic Speed Bump	179.34	1.24
32 17 23			Pavement Markings (32 17)		
32 17 23 13			Painted Pavement Markings (32 17 23)		
32 17 23 13-0001			Pavement Striping, Letters, Symbols And Markers For Roads (32 17 23)		
			Note: Includes primers, adhesive and glass beads where required. For broken line quantities use total lane length. Per Coat.		
32 17 23 13-0002			Epoxy Reflective Pavement Marking (32 17 23 13-0001)		
			Note: 15 mil thickness.		
32 17 23 13-0003	LF		Single 4" Wide Solid Line, Epoxy Reflective Pavement Striping	0.68	
			<i>For 20 Mil Thickness, Add</i>	0.16	
			<i>For Up To 5,000 LF, Add</i>	0.14	
			<i>For >25,000 LF, Deduct</i>	-0.10	
			<i>For Broken Line, Deduct</i>	-0.34	
32 17 23 13-0004	LF		Single 6" Wide Solid Line, Epoxy Reflective Pavement Striping	0.95	
			<i>For 20 Mil Thickness, Add</i>	0.24	
			<i>For Up To 5,000 LF, Add</i>	0.19	
			<i>For >25,000 LF, Deduct</i>	-0.14	
			<i>For Broken Line, Deduct</i>	-0.51	
32 17 23 13-0005	LF		Single 8" Wide Solid Line, Epoxy Reflective Pavement Striping	1.15	
			<i>For 20 Mil Thickness, Add</i>	0.29	
			<i>For Up To 5,000 LF, Add</i>	0.23	
			<i>For >25,000 LF, Deduct</i>	-0.17	
			<i>For Broken Line, Deduct</i>	-0.61	
32 17 23 13-0006	LF		Single 12" Wide Solid Line, Epoxy Reflective Pavement Striping	1.78	
			<i>For 20 Mil Thickness, Add</i>	0.47	
			<i>For Up To 5,000 LF, Add</i>	0.36	
			<i>For >25,000 LF, Deduct</i>	-0.27	
			<i>For Broken Line, Deduct</i>	-1.00	
32 17 23 13-0007	LF		Double 4" Wide Solid Lines, Epoxy Reflective Pavement Striping	1.12	
			<i>For 20 Mil Thickness, Add</i>	0.31	
			<i>For Up To 5,000 LF, Add</i>	0.22	
			<i>For >25,000 LF, Deduct</i>	-0.17	
			<i>For Broken Line On One Side, Deduct</i>	-0.33	
			<i>For Double Broken Line, Deduct</i>	-0.67	
32 17 23 13-0008	LF		Double 6" Wide Solid Lines, Epoxy Reflective Pavement Striping	1.60	
			<i>For 20 Mil Thickness, Add</i>	0.46	
			<i>For Up To 5,000 LF, Add</i>	0.32	
			<i>For >25,000 LF, Deduct</i>	-0.24	
			<i>For Broken Line On One Side, Deduct</i>	-0.50	
			<i>For Double Broken Line, Deduct</i>	-1.00	
32 17 23 13-0009	EA		6" High, Letter/Number, Epoxy Reflective Pavement Marking	4.63	
			<i>For 20 Mil Thickness, Add</i>	0.50	
			<i>For <10, Add</i>	0.55	
			<i>For >50 To 100, Deduct</i>	-0.28	
			<i>For >100 To 200, Deduct</i>	-0.37	
			<i>For >200, Deduct</i>	-0.74	
32 17 23 13-0010	EA		12" High, Letter/Number, Epoxy Reflective Pavement Marking	9.02	
			<i>For 20 Mil Thickness, Add</i>	1.43	
			<i>For <10, Add</i>	0.84	
			<i>For >50 To 100, Deduct</i>	-0.42	
			<i>For >100 To 200, Deduct</i>	-0.56	
			<i>For >200, Deduct</i>	-1.11	
32 17 23 13-0011	EA		24" High, Letter/Number, Epoxy Reflective Pavement Marking	15.28	
			<i>For 20 Mil Thickness, Add</i>	2.48	
			<i>For <10, Add</i>	1.39	
			<i>For >50 To 100, Deduct</i>	-0.69	
			<i>For >100 To 200, Deduct</i>	-0.92	
			<i>For >200, Deduct</i>	-1.85	
32 17 23 13-0012	EA		36" High, Letter/Number, Epoxy Reflective Pavement Marking	29.11	
			<i>For 20 Mil Thickness, Add</i>	4.47	
			<i>For <10, Add</i>	2.77	
			<i>For >50 To 100, Deduct</i>	-1.39	
			<i>For >100 To 200, Deduct</i>	-1.85	
			<i>For >200, Deduct</i>	-3.70	

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 17 Paving Specialties**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 17 23 13-0013	EA	48" High, Letter/Number, Epoxy Reflective Pavement Marking	34.54
		For 20 Mil Thickness, Add	5.64
		For <10, Add	3.11
		For >50 To 100, Deduct	-1.55
		For >100 To 200, Deduct	-2.07
		For >200, Deduct	-4.15
32 17 23 13-0014	EA	72" High, Letter/Number, Epoxy Reflective Pavement Marking	62.11
		For 20 Mil Thickness, Add	10.26
		For <10, Add	5.53
		For >50 To 100, Deduct	-2.77
		For >100 To 200, Deduct	-3.69
		For >200, Deduct	-7.37
32 17 23 13-0015	EA	96" High, Letter/Number, Epoxy Reflective Pavement Marking	82.72
		For 20 Mil Thickness, Add	13.54
		For <10, Add	7.43
		For >50 To 100, Deduct	-3.71
		For >100 To 200, Deduct	-4.95
		For >200, Deduct	-9.90
32 17 23 13-0016	EA	120" High, Letter/Number, Epoxy Reflective Pavement Marking	135.47
		For 20 Mil Thickness, Add	27.77
		For <10, Add	9.20
		For >50 To 100, Deduct	-4.60
		For >100 To 200, Deduct	-6.14
		For >200, Deduct	-12.27
32 17 23 13-0017	SF	Letter/Number, Epoxy Reflective Pavement Marking	7.96
		For 20 Mil Thickness, Add	1.08
32 17 23 13-0018	SY	Cross Hatch, Epoxy Reflective Pavement Marking	66.52
32 17 23 13-0019	SF	Symbols, Epoxy Reflective Pavement Marking	9.83
		Note: Handicap, railroad, diamond, arrows, etc.	

32 17 23 13-0020 Painted Reflective Pavement Marking (32 17 23 13-0001)

Note: 15 mil thickness.

32 17 23 13-0021	LF	Single 4" Wide Solid Line, Painted Reflective Pavement Striping	0.32
		For Up To 5,000 LF, Add	0.06
		For >25,000 LF, Deduct	-0.05
		For Broken Line, Deduct	-0.07
32 17 23 13-0022	LF	Single 6" Wide Solid Line, Painted Reflective Pavement Striping	0.40
		For Up To 5,000 LF, Add	0.08
		For >25,000 LF, Deduct	-0.06
		For Broken Line, Deduct	-0.10
32 17 23 13-0023	LF	Single 8" Wide Solid Line, Painted Reflective Pavement Striping	0.50
		For Up To 5,000 LF, Add	0.10
		For >25,000 LF, Deduct	-0.08
		For Broken Line, Deduct	-0.12
32 17 23 13-0024	LF	Single 12" Wide Solid Line, Painted Reflective Pavement Striping	0.69
		For Up To 5,000 LF, Add	0.14
		For >25,000 LF, Deduct	-0.10
		For Broken Line, Deduct	-0.18
32 17 23 13-0025	LF	Double 4" Wide Solid Lines, Painted Reflective Pavement Striping	0.45
		For Up To 5,000 LF, Add	0.09
		For >25,000 LF, Deduct	-0.07
		For Broken Line On One Side, Deduct	-0.06
		For Double Broken Line, Deduct	-0.12
32 17 23 13-0026	LF	Double 6" Wide Solid Lines, Painted Reflective Pavement Striping	0.69
		For Up To 5,000 LF, Add	0.14
		For >25,000 LF, Deduct	-0.10
		For Broken Line On One Side, Deduct	-0.09
		For Double Broken Line, Deduct	-0.18
32 17 23 13-0027	SF	Solid Area, Painted Reflective Pavement Striping	5.62
		Note: Use this task for: lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.	
32 17 23 13-0028	EA	6" High, Letter/Number, Painted Reflective Pavement Marking	4.20
		For <10, Add	0.55
		For >50 To 100, Deduct	-0.28
		For >100 To 200, Deduct	-0.37
		For >200, Deduct	-0.74
32 17 23 13-0029	EA	12" High, Letter/Number, Painted Reflective Pavement Marking	7.45
		For <10, Add	0.84
		For >50 To 100, Deduct	-0.42
		For >100 To 200, Deduct	-0.56
		For >200, Deduct	-1.11
32 17 23 13-0030	EA	24" High, Letter/Number, Painted Reflective Pavement Marking	12.53
		For <10, Add	1.39
		For >50 To 100, Deduct	-0.69
		For >100 To 200, Deduct	-0.92
		For >200, Deduct	-1.85
32 17 23 13-0031	EA	36" High, Letter/Number, Painted Reflective Pavement Marking	24.27
		For <10, Add	2.77
		For >50 To 100, Deduct	-1.39
		For >100 To 200, Deduct	-1.85
		For >200, Deduct	-3.70
32 17 23 13-0032	EA	48" High, Letter/Number, Painted Reflective Pavement Marking	28.26
		For <10, Add	3.11
		For >50 To 100, Deduct	-1.55
		For >100 To 200, Deduct	-2.07
		For >200, Deduct	-4.15
32 17 23 13-0033	EA	72" High, Letter/Number, Painted Reflective Pavement Marking	50.63
		For <10, Add	5.53
		For >50 To 100, Deduct	-2.77
		For >100 To 200, Deduct	-3.69
		For >200, Deduct	-7.37

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0034	EA		96" High, Letter/Number, Painted Reflective Pavement Marking.....	67.62	
			For <10, Add	7.43	
			For >50 To 100, Deduct	-3.71	
			For >100 To 200, Deduct	-4.95	
			For >200, Deduct	-9.90	
32 17 23 13-0035	EA		120" High, Letter/Number, Painted Reflective Pavement Marking.....	101.76	
			For <10, Add	9.20	
			For >50 To 100, Deduct	-4.60	
			For >100 To 200, Deduct	-6.14	
			For >200, Deduct	-12.27	
32 17 23 13-0036	SF		Letter/Number, Painted Reflective Pavement Marking	6.87	
32 17 23 13-0037	SY		Cross Hatch, Painted Reflective Pavement Marking	7.21	
32 17 23 13-0038	SF		Symbols, Painted Reflective Pavement Marking	8.11	
			Note: Handicap, railroad, diamond, arrows, etc.		
32 17 23 13-0039 Painted Reflective Pavement Marking (CALTRANS) (32 17 23 13-0001)					
			Note: 20 to 25 mil thickness, per LF of detail.		
32 17 23 13-0040	LF		CALTRANS Detail 1 Centerline, Painted Reflective Pavement Striping	0.26	
			For Up To 5,000 LF, Add	0.05	
			For >25,000 LF, Deduct	-0.04	
32 17 23 13-0041	LF		CALTRANS Detail 2 Centerline, Painted Reflective Pavement Striping	0.43	
			For Up To 5,000 LF, Add	0.09	
			For >25,000 LF, Deduct	-0.06	
32 17 23 13-0042	LF		CALTRANS Detail 4 Centerline	1.04	
			For Up To 5,000 LF, Add	0.21	
			For >25,000 LF, Deduct	-0.16	
32 17 23 13-0043	LF		CALTRANS Detail 5 Centerline, Painted Reflective Pavement Striping	0.25	
			For Up To 5,000 LF, Add	0.05	
			For >25,000 LF, Deduct	-0.04	
32 17 23 13-0044	LF		CALTRANS Detail 6 Centerline, Painted Reflective Pavement Striping	0.44	
			For Up To 5,000 LF, Add	0.09	
			For >25,000 LF, Deduct	-0.07	
32 17 23 13-0045	LF		CALTRANS Detail 7 Centerline	0.76	
			For Up To 5,000 LF, Add	0.15	
			For >25,000 LF, Deduct	-0.11	
32 17 23 13-0046	LF		CALTRANS Detail 8 Lanelines, Painted Reflective Pavement Striping	0.26	
			For Up To 5,000 LF, Add	0.05	
			For >25,000 LF, Deduct	-0.04	
32 17 23 13-0047	LF		CALTRANS Detail 9 Lanelines, Painted Reflective Pavement Striping	0.43	
			For Up To 5,000 LF, Add	0.09	
			For >25,000 LF, Deduct	-0.06	
32 17 23 13-0048	LF		CALTRANS Detail 10 Lanelines	1.04	
			For Up To 5,000 LF, Add	0.21	
			For >25,000 LF, Deduct	-0.16	
32 17 23 13-0049	LF		CALTRANS Detail 11 Lanelines, Painted Reflective Pavement Striping	0.25	
			For Up To 5,000 LF, Add	0.05	
			For >25,000 LF, Deduct	-0.04	
32 17 23 13-0050	LF		CALTRANS Detail 12 Lanelines, Painted Reflective Pavement Striping	0.43	
			For Up To 5,000 LF, Add	0.09	
			For >25,000 LF, Deduct	-0.06	
32 17 23 13-0051	LF		CALTRANS Detail 13 Lanelines	0.76	
			For Up To 5,000 LF, Add	0.15	
			For >25,000 LF, Deduct	-0.11	
32 17 23 13-0052	LF		CALTRANS Detail 14 Lanelines	0.76	
			For Up To 5,000 LF, Add	0.15	
			For >25,000 LF, Deduct	-0.11	
32 17 23 13-0053	LF		CALTRANS Detail 14A Lanelines, Painted Reflective Pavement Striping.....	0.43	
			For Up To 5,000 LF, Add	0.09	
			For >25,000 LF, Deduct	-0.06	
32 17 23 13-0054	LF		CALTRANS Detail 15 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping.....	0.35	
			For Up To 5,000 LF, Add	0.07	
			For >25,000 LF, Deduct	-0.05	
			For Broken Line On One Side, Deduct	-0.05	
			For Double Broken Line, Deduct	-0.09	
32 17 23 13-0055	LF		CALTRANS Detail 16 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping	1.05	
			For Up To 5,000 LF, Add	0.21	
			For >25,000 LF, Deduct	-0.16	
32 17 23 13-0056	LF		CALTRANS Detail 17 No Passing Zones-One Direction Lanelines.....	3.03	
			For Up To 5,000 LF, Add	0.61	
			For >25,000 LF, Deduct	-0.45	
32 17 23 13-0057	LF		CALTRANS Detail 18 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping	0.35	
			For Up To 5,000 LF, Add	0.07	
			For >25,000 LF, Deduct	-0.05	
			For Broken Line On One Side, Deduct	-0.05	
			For Double Broken Line, Deduct	-0.09	
32 17 23 13-0058	LF		CALTRANS Detail 19 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping	0.88	
			For Up To 5,000 LF, Add	0.18	
			For >25,000 LF, Deduct	-0.13	
32 17 23 13-0059	LF		CALTRANS Detail 20 No Passing Zones-One Direction Lanelines.....	2.57	
			For Up To 5,000 LF, Add	0.51	
			For >25,000 LF, Deduct	-0.39	
32 17 23 13-0060	LF		CALTRANS Detail 21 No Passing Zones-Two Direction Lanelines, Painted Reflective Pavement Striping	0.42	
			For Up To 5,000 LF, Add	0.08	
			For >25,000 LF, Deduct	-0.06	
			For Broken Line On One Side, Deduct	-0.07	
			For Double Broken Line, Deduct	-0.14	
32 17 23 13-0061	LF		CALTRANS Detail 22 No Passing Zones-Two Direction Lanelines, Painted Reflective Pavement Striping	1.12	
			For Up To 5,000 LF, Add	0.22	
			For >25,000 LF, Deduct	-0.17	

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 17 Paving Specialties**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 17 23 13-0062	LF	CALTRANS Detail 23 No Passing Zones-Two Direction Lanelines	3.62	
		<i>For Up To 5,000 LF, Add</i>	0.72	
		<i>For >25,000 LF, Deduct</i>	-0.54	
32 17 23 13-0063	LF	CALTRANS Detail 24 Left Edgelines, Painted Reflective Pavement Striping	0.33	
		<i>For Up To 5,000 LF, Add</i>	0.07	
		<i>For >25,000 LF, Deduct</i>	-0.05	
32 17 23 13-0064	LF	CALTRANS Detail 25 Left Edgelines, Painted Reflective Pavement Striping	0.50	
		<i>For Up To 5,000 LF, Add</i>	0.10	
		<i>For >25,000 LF, Deduct</i>	-0.08	
32 17 23 13-0065	LF	CALTRANS Detail 25A Left Edgelines, Painted Reflective Pavement Striping	0.68	
		<i>For Up To 5,000 LF, Add</i>	0.14	
		<i>For >25,000 LF, Deduct</i>	-0.10	
32 17 23 13-0066	LF	CALTRANS Detail 26 Left Edgelines	0.18	
		<i>For Up To 5,000 LF, Add</i>	0.04	
		<i>For >25,000 LF, Deduct</i>	-0.03	
32 17 23 13-0067	LF	CALTRANS Detail 27 Left Edgelines, Painted Reflective Pavement Striping	0.60	
		<i>For Up To 5,000 LF, Add</i>	0.12	
		<i>For >25,000 LF, Deduct</i>	-0.09	
32 17 23 13-0068	LF	CALTRANS Detail 27B Right Edgelines, Painted Reflective Pavement Striping	0.33	
		<i>For Up To 5,000 LF, Add</i>	0.07	
		<i>For >25,000 LF, Deduct</i>	-0.05	
32 17 23 13-0069	LF	CALTRANS Detail 27C Right Edgeline Extension Through Intersections, Painted Reflective Pavement Striping	0.25	
		<i>For Up To 5,000 LF, Add</i>	0.05	
		<i>For >25,000 LF, Deduct</i>	-0.04	
32 17 23 13-0070	LF	CALTRANS Detail 28 Median Islands, Painted Reflective Pavement Striping	0.83	
		<i>For Up To 5,000 LF, Add</i>	0.17	
		<i>For >25,000 LF, Deduct</i>	-0.12	
		<i>For Broken Line On One Side, Deduct</i>	-0.14	
		<i>For Double Broken Line, Deduct</i>	-0.29	
32 17 23 13-0071	LF	CALTRANS Detail 29 Median Islands, Painted Reflective Pavement Striping	1.53	
		<i>For Up To 5,000 LF, Add</i>	0.31	
		<i>For >25,000 LF, Deduct</i>	-0.23	
32 17 23 13-0072	LF	CALTRANS Detail 30 Median Islands	7.25	
		<i>For Up To 5,000 LF, Add</i>	1.45	
		<i>For >25,000 LF, Deduct</i>	-1.09	
32 17 23 13-0073	LF	CALTRANS Detail 31 Two-Way Left Turn Lanes, Painted Reflective Pavement Striping	0.69	
		<i>For Up To 5,000 LF, Add</i>	0.14	
		<i>For >25,000 LF, Deduct</i>	-0.10	
		<i>For Broken Line On One Side, Deduct</i>	-0.09	
		<i>For Double Broken Line, Deduct</i>	-0.18	
32 17 23 13-0074	LF	CALTRANS Detail 32 Two-Way Left Turn Lanes, Painted Reflective Pavement Striping	1.56	
		<i>For Up To 5,000 LF, Add</i>	0.31	
		<i>For >25,000 LF, Deduct</i>	-0.23	
32 17 23 13-0075	LF	CALTRANS Detail 33 Two-Way Left Turn Lanes	4.97	
		<i>For Up To 5,000 LF, Add</i>	0.99	
		<i>For >25,000 LF, Deduct</i>	-0.75	
32 17 23 13-0076	LF	CALTRANS Detail 34 Intersection Treatments, Painted Reflective Pavement Striping	0.88	
		<i>For Up To 5,000 LF, Add</i>	0.18	
		<i>For >25,000 LF, Deduct</i>	-0.13	
32 17 23 13-0077	LF	CALTRANS Detail 34A Intersection Treatments, Painted Reflective Pavement Striping	0.35	
		<i>For Up To 5,000 LF, Add</i>	0.07	
		<i>For >25,000 LF, Deduct</i>	-0.05	
32 17 23 13-0078	LF	CALTRANS Detail 35 Intersection Treatments, Painted Reflective Pavement Striping	1.05	
		<i>For Up To 5,000 LF, Add</i>	0.21	
		<i>For >25,000 LF, Deduct</i>	-0.16	
32 17 23 13-0079	LF	CALTRANS Detail 35A Intersection Treatments, Painted Reflective Pavement Striping	0.35	
		<i>For Up To 5,000 LF, Add</i>	0.07	
		<i>For >25,000 LF, Deduct</i>	-0.05	
32 17 23 13-0080	LF	CALTRANS Detail 36 Exit Ramp Neutral Area (Gore) Treatment, Painted Reflective Pavement Striping	1.72	
		<i>For Up To 5,000 LF, Add</i>	0.34	
		<i>For >25,000 LF, Deduct</i>	-0.26	
32 17 23 13-0081	LF	CALTRANS Detail 36A Entrance Ramp Neutral Area (Merge) Treatment, Painted Reflective Pavement Striping	1.08	
		<i>For Up To 5,000 LF, Add</i>	0.22	
		<i>For >25,000 LF, Deduct</i>	-0.16	
32 17 23 13-0082	LF	CALTRANS Detail 36B Entrance Ramp Neutral Area (Acceleration Lane) Treatment, Painted Reflective Pavement Striping	1.17	
		<i>For Up To 5,000 LF, Add</i>	0.23	
		<i>For >25,000 LF, Deduct</i>	-0.18	
32 17 23 13-0083	LF	CALTRANS Detail 37 Lane Drop At Exit Ramps, Painted Reflective Pavement Striping	1.08	
		<i>For Up To 5,000 LF, Add</i>	0.22	
		<i>For >25,000 LF, Deduct</i>	-0.16	
32 17 23 13-0084	LF	CALTRANS Detail 37A Lane Drop At Exit Ramps	2.44	
		<i>For Up To 5,000 LF, Add</i>	0.49	
		<i>For >25,000 LF, Deduct</i>	-0.37	
32 17 23 13-0085	LF	CALTRANS Detail 37B Lane Drop At Intersections, Painted Reflective Pavement Striping	1.08	
		<i>For Up To 5,000 LF, Add</i>	0.22	
		<i>For >25,000 LF, Deduct</i>	-0.16	
32 17 23 13-0086	LF	CALTRANS Detail 37C Lane Drop At Intersections	2.44	
		<i>For Up To 5,000 LF, Add</i>	0.49	
		<i>For >25,000 LF, Deduct</i>	-0.37	
32 17 23 13-0087	LF	CALTRANS Detail 38 Channelizing Line, Painted Reflective Pavement Striping	1.00	
		<i>For Up To 5,000 LF, Add</i>	0.20	
		<i>For >25,000 LF, Deduct</i>	-0.15	
32 17 23 13-0088	LF	CALTRANS Detail 38A Channelizing Line, Painted Reflective Pavement Striping	0.65	
		<i>For Up To 5,000 LF, Add</i>	0.13	
		<i>For >25,000 LF, Deduct</i>	-0.10	
32 17 23 13-0089	LF	CALTRANS Detail 38B Channelizing Line, Painted Reflective Pavement Striping	1.36	
		<i>For Up To 5,000 LF, Add</i>	0.27	
		<i>For >25,000 LF, Deduct</i>	-0.20	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0090	LF	CALTRANS Detail 38C Channelizing Line	3.62	
		For Up To 5,000 LF, Add	0.72	
		For >25,000 LF, Deduct	-0.54	
32 17 23 13-0091	LF	CALTRANS Detail 39 Bike Lane Line, Painted Reflective Pavement Striping	0.39	
		For Up To 5,000 LF, Add	0.08	
		For >25,000 LF, Deduct	-0.06	
32 17 23 13-0092	LF	CALTRANS Detail 39A Intersection Line Bike Lane, Painted Reflective Pavement Striping	0.31	
		For Up To 5,000 LF, Add	0.06	
		For >25,000 LF, Deduct	-0.05	
32 17 23 13-0093	LF	CALTRANS Detail 40 Lane Line Extensions Through Intersections, Painted Reflective Pavement Striping	0.24	
		For Up To 5,000 LF, Add	0.05	
		For >25,000 LF, Deduct	-0.04	
32 17 23 13-0094	LF	CALTRANS Detail 40A Lane Line Extensions Through Intersections	1.75	
		For Up To 5,000 LF, Add	0.35	
		For >25,000 LF, Deduct	-0.26	
32 17 23 13-0095	LF	CALTRANS Detail 41 Center Line Extensions Through Intersections, Painted Reflective Pavement Striping	0.24	
		For Up To 5,000 LF, Add	0.05	
		For >25,000 LF, Deduct	-0.04	
32 17 23 13-0096	LF	CALTRANS Detail 41A Center Line Extensions Through Intersections	1.75	
		For Up To 5,000 LF, Add	0.35	
		For >25,000 LF, Deduct	-0.26	
32 17 23 13-0097	EA	CALTRANS 10' Arrow, Type I, Painted Reflective Pavement Marking	108.55	
		For <10, Add	13.46	
		For >50 To 100, Deduct	-6.73	
		For >100 To 200, Deduct	-8.97	
		For >200, Deduct	-17.94	
32 17 23 13-0098	EA	CALTRANS 18' Arrow, Type I, Painted Reflective Pavement Marking	190.65	
		For <10, Add	23.55	
		For >50 To 100, Deduct	-11.77	
		For >100 To 200, Deduct	-15.70	
		For >200, Deduct	-31.40	
32 17 23 13-0099	EA	CALTRANS 24' Arrow, Type I, Painted Reflective Pavement Marking	239.10	
		For <10, Add	29.60	
		For >50 To 100, Deduct	-14.80	
		For >100 To 200, Deduct	-19.74	
		For >200, Deduct	-39.47	
32 17 23 13-0100	EA	CALTRANS 24' Arrow With Single (L or R) Turn Arrow, Type II, Painted Reflective Pavement Marking	347.66	
		For <10, Add	43.06	
		For >50 To 100, Deduct	-21.53	
		For >100 To 200, Deduct	-28.71	
		For >200, Deduct	-57.41	
32 17 23 13-0101	EA	CALTRANS 24' Arrow With Both (L and R) Turn Arrows, Type II, Painted Reflective Pavement Marking	456.22	
		For <10, Add	56.52	
		For >50 To 100, Deduct	-28.26	
		For >100 To 200, Deduct	-37.68	
		For >200, Deduct	-75.35	
32 17 23 13-0102	EA	CALTRANS 24' Arrow Single (L or R) Turn Arrow, Type III, Painted Reflective Pavement Marking	321.19	
		For <10, Add	39.69	
		For >50 To 100, Deduct	-19.85	
		For >100 To 200, Deduct	-26.46	
		For >200, Deduct	-52.93	
32 17 23 13-0103	EA	CALTRANS 24' Arrow Both (L and R) Turn Arrows, Type III, Painted Reflective Pavement Marking	560.29	
		For <10, Add	69.30	
		For >50 To 100, Deduct	-34.65	
		For >100 To 200, Deduct	-46.20	
		For >200, Deduct	-92.40	
32 17 23 13-0104	EA	CALTRANS 8' Turn Arrow (L or R), Type IV, Painted Reflective Pavement Marking	114.40	
		For <10, Add	14.13	
		For >50 To 100, Deduct	-7.07	
		For >100 To 200, Deduct	-9.42	
		For >200, Deduct	-18.84	
32 17 23 13-0105	EA	CALTRANS 24' Arrow, Type V, Painted Reflective Pavement Marking	250.77	
		For <10, Add	30.95	
		For >50 To 100, Deduct	-15.47	
		For >100 To 200, Deduct	-20.63	
		For >200, Deduct	-41.27	
32 17 23 13-0106	EA	CALTRANS 18' Arrow, Type VI, Painted Reflective Pavement Marking	321.19	
		For <10, Add	39.69	
		For >50 To 100, Deduct	-19.85	
		For >100 To 200, Deduct	-26.46	
		For >200, Deduct	-52.93	
32 17 23 13-0107	EA	CALTRANS 13' Arrow With Single (L or R) Turn Arrow, Type VII, Painted Reflective Pavement Marking	207.01	
		For <10, Add	25.57	
		For >50 To 100, Deduct	-12.78	
		For >100 To 200, Deduct	-17.05	
		For >200, Deduct	-34.09	
32 17 23 13-0108	EA	CALTRANS 15' Arrow With Both (L and R) Turn Arrows, Type VIII, Painted Reflective Pavement Marking	272.75	
		For <10, Add	33.64	
		For >50 To 100, Deduct	-16.82	
		For >100 To 200, Deduct	-22.43	
		For >200, Deduct	-44.85	
32 17 23 13-0109	EA	CALTRANS 5' Arrow, Bike Lane, Painted Reflective Pavement Marking	54.29	
		For <10, Add	6.73	
		For >50 To 100, Deduct	-3.36	
		For >100 To 200, Deduct	-4.49	
		For >200, Deduct	-8.97	

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 17 Paving Specialties**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 17 23 13-0110	EA	CALTRANS Railroad Crossing Symbol, Painted Reflective Pavement Marking	520.37	
		Note: Excludes variable width transverse lines.		
		For <10, Add	63.92	
		For >50 To 100, Deduct	-31.96	
		For >100 To 200, Deduct	-42.61	
		For >200, Deduct	-85.22	
32 17 23 13-0111	SF	CALTRANS Solid Area, Painted Reflective Pavement Marking	6.83	
32 17 23 13-0112	EA	CALTRANS Bike Lane Symbol Without Person, Painted Reflective Pavement Marking	55.50	
		Note: Approximate overall dimensions: 4' width x 8' height.		
		For <10, Add	4.84	
		For >50 To 100, Deduct	-2.42	
		For >100 To 200, Deduct	-3.23	
		For >200, Deduct	-6.46	
32 17 23 13-0113	EA	CALTRANS Bike Lane Symbol With Person, Painted Reflective Pavement Marking	58.89	
		Note: Approximate overall dimensions: 4' width x 8' height.		
		For <10, Add	5.11	
		For >50 To 100, Deduct	-2.56	
		For >100 To 200, Deduct	-3.41	
		For >200, Deduct	-6.82	
32 17 23 13-0114	EA	CALTRANS Diamond Symbol, Painted Reflective Pavement Marking	86.58	
		For <10, Add	10.77	
		For >50 To 100, Deduct	-5.38	
		For >100 To 200, Deduct	-7.18	
		For >200, Deduct	-14.35	
32 17 23 13-0115	EA	CALTRANS International Symbol Of Accessibility (ISA) Marking, Painted Reflective Pavement Marking	176.30	
		For <10, Add	21.80	
		For >50 To 100, Deduct	-10.90	
		For >100 To 200, Deduct	-14.53	
		For >200, Deduct	-29.07	
32 17 23 13-0116	EA	CALTRANS Bike Loop Detector Symbol, Painted Reflective Pavement Marking	36.70	
		Note: Approximate overall dimensions: 4' width x 8' height.		
		For <10, Add	5.11	
		For >50 To 100, Deduct	-2.56	
		For >100 To 200, Deduct	-3.41	
		For >200, Deduct	-6.82	
32 17 23 13-0117	SF	CALTRANS Letter/Number, Painted Reflective Pavement Marking	6.92	
32 17 23 13-0118	SF	CALTRANS Symbols, Painted Reflective Pavement Marking	7.63	
		Note: Handicap, railroad, diamond, arrows, etc.		

32 17 23 13-0119 Pavement Striping, Letters And Symbols For Parking Areas (32 17 23 13)

Note: Includes primers. Per Coat.

32 17 23 13-0120 Painted Pavement Marking For Parking Areas (32 17 23 13-0119)

Note: 15 mil thickness.

32 17 23 13-0121	LF	Single 4" Wide Solid Line, Painted Pavement Striping For Parking Areas	1.14	
32 17 23 13-0122	LF	Single 6" Wide Solid Line, Painted Pavement Striping For Parking Areas	1.25	
32 17 23 13-0123	LF	Single 8" Wide Solid Line, Painted Pavement Striping For Parking Areas	1.34	
32 17 23 13-0124	LF	Single 12" Wide Solid Line, Painted Pavement Striping For Parking Areas	1.50	
32 17 23 13-0125	EA	6" High, Letter/Number, Painted Pavement Marking For Parking Areas	4.10	
		For Up To 10, Add	0.54	
		For >50 To 100, Deduct	-0.27	
		For >100 To 200, Deduct	-0.36	
		For >200, Deduct	-0.72	
32 17 23 13-0126	EA	12" High, Letter/Number, Painted Pavement Marking For Parking Areas	7.21	
		For Up To 10, Add	0.81	
		For >50 To 100, Deduct	-0.40	
		For >100 To 200, Deduct	-0.54	
		For >200, Deduct	-1.08	
32 17 23 13-0127	EA	24" High, Letter/Number, Painted Pavement Marking For Parking Areas	12.17	
		For Up To 10, Add	1.35	
		For >50 To 100, Deduct	-0.67	
		For >100 To 200, Deduct	-0.90	
		For >200, Deduct	-1.79	
32 17 23 13-0128	EA	36" High, Letter/Number, Painted Pavement Marking For Parking Areas	22.66	
		For Up To 10, Add	2.56	
		For >50 To 100, Deduct	-1.28	
		For >100 To 200, Deduct	-1.70	
		For >200, Deduct	-3.41	
32 17 23 13-0129	EA	42" High, Letter/Number, Painted Pavement Marking For Parking Areas	29.78	
		For Up To 10, Add	3.50	
		For >50 To 100, Deduct	-1.75	
		For >100 To 200, Deduct	-2.33	
		For >200, Deduct	-4.66	
32 17 23 13-0130	EA	48" High, Letter/Number/Arrow, Painted Pavement Marking For Parking Areas	36.02	
		For Up To 10, Add	4.31	
		For >50 To 100, Deduct	-2.15	
		For >100 To 200, Deduct	-2.87	
		For >200, Deduct	-5.74	
32 17 23 13-0131	EA	72" High, Letter/Number/Arrow, Painted Pavement Marking For Parking Areas	49.23	
		For Up To 10, Add	5.38	
		For >50 To 100, Deduct	-2.69	
		For >100 To 200, Deduct	-3.59	
		For >200, Deduct	-7.18	
32 17 23 13-0132	EA	Through Lane Arrow, Painted Pavement Marking For Parking Areas	93.79	
		Note: Approximate overall dimensions: 3-1/2' width x 10' height.		
32 17 23 13-0133	EA	Turn Lane Arrow, Painted Pavement Marking For Parking Areas	110.23	
		Note: Approximate overall dimensions: 6' width x 8' height.		
32 17 23 13-0134	EA	Dual Turn Lane Arrow, Painted Pavement Marking For Parking Areas	164.23	
		Note: Approximate overall dimensions: 11' width x 8' height.		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0135	EA	Turn And Through Lane Arrow, Painted Pavement Marking For Parking Areas..... Note: Approximate overall dimensions: 7' width x 13' height.	168.03	
32 17 23 13-0136	EA	Dual Turn And Through Lane Arrow, Painted Pavement Marking For Parking Areas Note: Approximate overall dimensions: 9' width x 15' height.	225.47	
32 17 23 13-0137	EA	Handicap Symbol For Standard Parking Stalls, Painted Pavement Marking For Parking Areas Note: Approximate overall dimensions: 2-2/3' width x 3' height. White or blue symbol. Excludes striping.	35.96	
		For Blue Background With White Symbol, Add	30.43	
		For Blue Background With White Symbol And Border, Add	38.04	
32 17 23 13-0138	EA	Handicap Symbol For Van Parking Stalls, Painted Pavement Marking For Parking Areas Note: Approximate overall dimensions: 4-1/3' width x 5' height. White or blue symbol. Excludes striping.	56.38	
		For Blue Background With White Symbol, Add	66.23	
		For Blue Background With White Symbol And Border, Add	82.79	
32 17 23 13-0139		Painted Curbs (32 17 23 13) Note: All colors.		
32 17 23 13-0140	LF	Reflective Painted Curb	3.21	
32 17 23 13-0141	LF	Reflective Painted Curb And Gutter	6.16	
32 17 23 13-0142	LF	Painted Curb	2.61	
32 17 23 13-0143	LF	Painted Curb And Gutter	5.64	
32 17 23 13-0144		Markings For Outdoor Play Areas, Courts (32 17 23 13)		
32 17 23 13-0145	LF	2" Wide Marking For Outdoor Play Areas	1.10	
32 17 23 13-0146	LF	3" Wide Marking For Outdoor Play Areas	1.24	
32 17 23 13-0147	LF	4" Wide Marking For Outdoor Play Areas	1.41	
32 17 23 13-0148	LF	6" Wide Marking For Outdoor Play Areas	1.66	
32 17 23 13-0149	EA	Layout And Paint Playground Game Lines And Background On Asphalt Or Concrete (Hop Scotch, 4 Square, Numbers Games, Etcetera)	320.30	
32 17 23 23		Raised Pavement Markings (32 17 23)		
32 17 23 23-0001		Raised Pavement Markers (RPMs) (32 17 23 23) Note: White, Red, Yellow/Amber, Green or Blue		
32 17 23 23-0002	EA	One-Way Reflective, Raised Pavement Marker (RPM)	7.94	2.72
		Note: Type G, H or R		
		For >100, Deduct	-0.79	
32 17 23 23-0003	EA	Two-Way Reflective, Raised Pavement Marker (RPM)	8.44	2.72
		Note: Type B, C, D, AC, RA or RR		
		For >100, Deduct	-0.84	
32 17 23 23-0004	EA	4" Diameter, Round Reflective, Raised Pavement Marker (RPM)	10.48	2.72
		For >100, Deduct	-1.05	
32 17 23 23-0005	EA	4" Diameter, Non-Reflective, Raised Pavement Marker (RPM)	7.30	2.72
		Note: Type A or AY		
		For >100, Deduct	-0.73	
32 17 23 23-0006		Snowplowable Pavement Markers (32 17 23 23)		
32 17 23 23-0007	EA	One-Way Reflective, Snowplowable Pavement Marker With Center Rail	79.16	33.11
		Note: Type G, H or R		
32 17 23 23-0008	EA	Two-Way Reflective, Snowplowable Pavement Marker With Center Rail	79.59	33.11
		Note: Type B, C, D, AC, RA or RR		
32 17 23 23-0009	EA	Removal And Replacement Of Reflector For One-Way Reflective, Recessed (Plowable) Pavement Marker	22.89	
32 17 23 23-0010	EA	Removal And Replacement Of Reflectors For Two-Way Reflective, Recessed (Plowable) Pavement Marker	28.84	
32 17 23 33		Plastic Pavement Markings (32 17 23)		
32 17 23 33-0001		Thermoplastic Pavement Striping, Letters, Symbols And Markers For Roads (32 17 23 33) Note: Includes primers, adhesive and glass beads where required. For broken line modifier quantity use total lane length.		
32 17 23 33-0002		Thermoplastic Reflective Pavement Marking (32 17 23 33-0001) Note: 90 mil thickness.		
32 17 23 33-0003	LF	Single 4" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping	1.45	
		For Up To 5,000 LF, Add	0.29	
		For >25,000 LF, Deduct	-0.22	
		For 60 mils Thick, Deduct	-0.20	
		For 125 mils Thick, Add	0.26	
		For Broken Line, Deduct	-0.87	
32 17 23 33-0004	LF	Single 6" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping	2.09	
		Note: Includes yellow or white.		
		For Up To 5,000 LF, Add	0.42	
		For >25,000 LF, Deduct	-0.31	
		For 60 mils Thick, Deduct	-0.30	
		For 125 mils Thick, Add	0.39	
		For Broken Line, Deduct	-1.30	
32 17 23 33-0005	LF	Single 8" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping	2.78	
		Note: Includes yellow or white.		
		For Up To 5,000 LF, Add	0.56	
		For >25,000 LF, Deduct	-0.42	
		For 60 mils Thick, Deduct	-0.40	
		For 125 mils Thick, Add	0.52	
		For Broken Line, Deduct	-1.73	

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 17 Paving Specialties**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 17 23 33-0006	LF	Single 12" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping	4.07	
		Note: Includes yellow or white.		
		For Up To 5,000 LF, Add	0.81	
		For >25,000 LF, Deduct	-0.61	
		For 60 mils Thick, Deduct	-0.61	
		For 125 mils Thick, Add	0.78	
		For Broken Line, Deduct	-2.60	
32 17 23 33-0007	LF	Double 4" Wide Solid Lines, 90 Mil Thick, Thermoplastic Reflective Pavement Striping	2.76	
		Note: Includes yellow or white.		
		For Up To 5,000 LF, Add	0.55	
		For >25,000 LF, Deduct	-0.41	
		For 60 mils Thick, Deduct	-0.40	
		For 125 mils Thick, Add	0.52	
		For Broken Line On One Side, Deduct	-0.87	
		For Double Broken Line, Deduct	-1.73	
32 17 23 33-0008	LF	Double 6" Wide Solid Lines, 90 Mil Thick, Thermoplastic Reflective Pavement Striping	4.07	
		Note: Includes yellow or white.		
		For Up To 5,000 LF, Add	0.81	
		For >25,000 LF, Deduct	-0.61	
		For 60 mils Thick, Deduct	-0.61	
		For 125 mils Thick, Add	0.78	
		For Broken Line On One Side, Deduct	-1.30	
		For Double Broken Line, Deduct	-2.60	
32 17 23 33-0009	SF	Solid Area, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	8.83	
		Note: Includes yellow or white.		
		For 60 mils Thick, Deduct	-0.60	
		For 125 mils Thick, Add	0.78	
32 17 23 33-0010	EA	6" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	5.84	
		For Up To 10, Add	0.61	
		For >50 To 100, Deduct	-0.30	
		For >100 To 200, Deduct	-0.40	
		For >200, Deduct	-0.81	
		For 60 mils Thick, Deduct	-0.32	
		For 125 mils Thick, Add	0.41	
32 17 23 33-0011	EA	12" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	12.61	
		For Up To 10, Add	0.92	
		For >50 To 100, Deduct	-0.46	
		For >100 To 200, Deduct	-0.61	
		For >200, Deduct	-1.22	
		For 60 mils Thick, Deduct	-1.14	
		For 125 mils Thick, Add	1.46	
32 17 23 33-0012	EA	24" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	21.54	
		For Up To 10, Add	1.52	
		For >50 To 100, Deduct	-0.76	
		For >100 To 200, Deduct	-1.01	
		For >200, Deduct	-2.03	
		For 60 mils Thick, Deduct	-2.00	
		For 125 mils Thick, Add	2.57	
32 17 23 33-0013	EA	36" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	40.40	
		For Up To 10, Add	3.05	
		For >50 To 100, Deduct	-1.53	
		For >100 To 200, Deduct	-2.04	
		For >200, Deduct	-4.07	
		For 60 mils Thick, Deduct	-3.51	
		For 125 mils Thick, Add	4.51	
32 17 23 33-0014	EA	48" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	48.83	
		For Up To 10, Add	3.42	
		For >50 To 100, Deduct	-1.71	
		For >100 To 200, Deduct	-2.28	
		For >200, Deduct	-4.56	
		For 60 mils Thick, Deduct	-4.56	
		For 125 mils Thick, Add	5.86	
32 17 23 33-0015	EA	72" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	88.14	
		For Up To 10, Add	6.08	
		For >50 To 100, Deduct	-3.04	
		For >100 To 200, Deduct	-4.06	
		For >200, Deduct	-8.11	
		For 60 mils Thick, Deduct	-8.33	
		For 125 mils Thick, Add	10.71	
32 17 23 33-0016	EA	96" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	117.07	
		For Up To 10, Add	8.17	
		For >50 To 100, Deduct	-4.08	
		For >100 To 200, Deduct	-5.45	
		For >200, Deduct	-10.89	
		For 60 mils Thick, Deduct	-10.96	
		For 125 mils Thick, Add	14.09	
32 17 23 33-0017	EA	120" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	207.23	
		For Up To 10, Add	10.12	
		For >50 To 100, Deduct	-5.06	
		For >100 To 200, Deduct	-6.75	
		For >200, Deduct	-13.49	
		For 60 mils Thick, Deduct	-24.46	
		For 125 mils Thick, Add	31.45	
32 17 23 33-0018	SF	Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	10.61	
		For 60 mils Thick, Deduct	-0.79	
		For 125 mils Thick, Add	1.01	
32 17 23 33-0019	SY	Cross Hatch, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	30.19	
		Note: Per SY of area.		
		For 60 mils Thick, Deduct	-1.36	
		For 125 mils Thick, Add	1.75	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0020	EA	Handicap Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking.....	274.95	
		For 60 mils Thick, Deduct	-18.15	
		For 125 mils Thick, Add	23.33	
32 17 23 33-0021	EA	Railroad Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	817.98	
		For 60 mils Thick, Deduct	-55.23	
		For 125 mils Thick, Add	71.01	
32 17 23 33-0022	EA	Bike Lane Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking.....	178.78	
		Note: Approximate overall dimensions: 4' width x 8' height.		
		For 60 mils Thick, Deduct	-25.01	
		For 125 mils Thick, Add	32.15	
32 17 23 33-0023	EA	Diamond Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	131.51	
		For 60 mils Thick, Deduct	-8.68	
		For 125 mils Thick, Add	11.16	
32 17 23 33-0024	SF	Symbols, 90 Mil Thick, Thermoplastic Reflective Pavement Marking.....	11.95	
		Note: Handicap, railroad, diamond, arrows, etc.		
		For 60 mils Thick, Deduct	-0.79	
		For 125 mils Thick, Add	1.01	
32 17 23 33-0025	EA	10' Arrow, Type I, 90 Mil Thick, Thermoplastic Reflective Pavement Marking.....	167.36	
		For 60 mils Thick, Deduct	-11.05	
		For 125 mils Thick, Add	14.20	
32 17 23 33-0026	EA	18' Arrow, Type I, 90 Mil Thick, Thermoplastic Reflective Pavement Marking.....	298.86	
		For 60 mils Thick, Deduct	-19.73	
		For 125 mils Thick, Add	25.36	
32 17 23 33-0027	EA	24' Arrow, Type I, 90 Mil Thick, Thermoplastic Reflective Pavement Marking.....	370.59	
		For 60 mils Thick, Deduct	-24.46	
		For 125 mils Thick, Add	31.45	
32 17 23 33-0028	EA	24' Arrow With Single (L or R) Turn Arrow, Type II, 90 Mil Thick, Thermoplastic Reflective Pavement Marking.....	537.95	
		For 60 mils Thick, Deduct	-35.51	
		For 125 mils Thick, Add	45.65	
32 17 23 33-0029	EA	24' Arrow With Both (L and R) Turn Arrows, Type II, 90 Mil Thick, Thermoplastic Reflective Pavement Marking.....	705.32	
		For 60 mils Thick, Deduct	-46.55	
		For 125 mils Thick, Add	59.85	
32 17 23 33-0030	EA	24' Arrow Single (L or R) Turn Arrow, Type III, 90 Mil Thick, Thermoplastic Reflective Pavement Marking.....	502.09	
		For 60 mils Thick, Deduct	-33.14	
		For 125 mils Thick, Add	42.61	
32 17 23 33-0031	EA	24' Arrow Both (L and R) Turn Arrows, Type III, 90 Mil Thick, Thermoplastic Reflective Pavement Marking.....	872.69	
		For 60 mils Thick, Deduct	-57.60	
		For 125 mils Thick, Add	74.06	
32 17 23 33-0032	EA	8' Turn Arrow (L or R), Type IV, 90 Mil Thick, Thermoplastic Reflective Pavement Marking.....	179.32	
		For 60 mils Thick, Deduct	-11.84	
		For 125 mils Thick, Add	15.22	
32 17 23 33-0033	EA	24' Arrow, Type V, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	394.50	
		For 60 mils Thick, Deduct	-26.04	
		For 125 mils Thick, Add	33.48	
32 17 23 33-0034	EA	18' Arrow, Type VI, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	502.09	
		For 60 mils Thick, Deduct	-33.14	
		For 125 mils Thick, Add	42.61	
32 17 23 33-0035	EA	13' Arrow With Single (L or R) Turn Arrow, Type VII, 90 Mil Thick, Thermoplastic Reflective Pavement Marking.....	322.78	
		For 60 mils Thick, Deduct	-21.30	
		For 125 mils Thick, Add	27.39	
32 17 23 33-0036	EA	15' Arrow With Both (L and R) Turn Arrows, Type VIII, 90 Mil Thick, Thermoplastic Reflective Pavement Marking.....	430.37	
		For 60 mils Thick, Deduct	-28.41	
		For 125 mils Thick, Add	36.52	
32 17 23 33-0037	EA	5' Arrow, Bike Lane, 90 Mil Thick, Thermoplastic Reflective Pavement Marking.....	83.68	
		For 60 mils Thick, Deduct	-5.52	
		For 125 mils Thick, Add	7.10	
32 17 23 33-0038		Thermoplastic Reflective Pavement Striping By Hand For Repairs (32 17 23 33-0001)		
32 17 23 33-0039	LF	Single 4" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs.....	3.06	
		For 60 mils Thick, Deduct	-0.20	
		For 125 mils Thick, Add	0.26	
32 17 23 33-0040	LF	Single 6" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs.....	3.89	
		For 60 mils Thick, Deduct	-0.30	
		For 125 mils Thick, Add	0.39	
32 17 23 33-0041	LF	Single 8" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs.....	4.83	
		For 60 mils Thick, Deduct	-0.40	
		For 125 mils Thick, Add	0.52	
32 17 23 33-0042	LF	Single 12" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs.....	6.96	
		For 60 mils Thick, Deduct	-0.61	
		For 125 mils Thick, Add	0.78	
32 17 23 33-0043	LF	Single 24" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs.....	12.61	
		For 60 mils Thick, Deduct	-1.21	
		For 125 mils Thick, Add	1.56	
32 17 23 33-0044		Preformed, Patterned Reflective Pavement Marking Tape (32 17 23 33-0001)		
		Note: Applied with pressure sensitive adhesive. Includes adhesive. 60 mil thickness. (3M Stamark 380 Series).		
32 17 23 33-0045	LF	Single 4" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping.....	3.14	
		Note: Includes yellow or white.		
		For Up To 5,000 LF, Add	0.63	
		For >25,000 LF, Deduct	-0.47	
32 17 23 33-0046	LF	Single 6" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping.....	4.66	
		Note: Includes yellow or white.		
		For Up To 5,000 LF, Add	0.93	
		For >25,000 LF, Deduct	-0.70	
32 17 23 33-0047	LF	Single 8" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping.....	6.20	
		Note: Includes yellow or white.		
		For Up To 5,000 LF, Add	1.24	
		For >25,000 LF, Deduct	-0.93	

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 17 Paving Specialties**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 17 23 33-0048	LF	Single 12" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping	9.20
		Note: Includes yellow or white.	
		For Up To 5,000 LF, Add	1.84
		For >25,000 LF, Deduct	-1.38
32 17 23 33-0049	SF	Solid Area, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Marking Tape	25.11
		Note: Includes yellow or white.	
32 17 23 33-0050	EA	6" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	37.37
		For <10, Add	1.10
		For >50 To 100, Deduct	-0.55
		For >100 To 200, Deduct	-0.74
		For >200, Deduct	-1.47
32 17 23 33-0051	EA	12" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	66.46
		For <10, Add	1.40
		For >50 To 100, Deduct	-0.70
		For >100 To 200, Deduct	-0.93
		For >200, Deduct	-1.87
32 17 23 33-0052	EA	24" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	113.86
		For <10, Add	2.77
		For >50 To 100, Deduct	-1.39
		For >100 To 200, Deduct	-1.85
		For >200, Deduct	-3.70
32 17 23 33-0053	EA	36" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	163.04
		For <10, Add	5.54
		For >50 To 100, Deduct	-2.77
		For >100 To 200, Deduct	-3.70
		For >200, Deduct	-7.39
32 17 23 33-0054	EA	48" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	191.34
		For <10, Add	6.22
		For >50 To 100, Deduct	-3.11
		For >100 To 200, Deduct	-4.14
		For >200, Deduct	-8.29
32 17 23 33-0055	EA	72" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	242.23
		For <10, Add	11.06
		For >50 To 100, Deduct	-5.53
		For >100 To 200, Deduct	-7.37
		For >200, Deduct	-14.75
32 17 23 33-0056	EA	96" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	308.19
		For <10, Add	14.85
		For >50 To 100, Deduct	-7.43
		For >100 To 200, Deduct	-9.90
		For >200, Deduct	-19.81
32 17 23 33-0057	EA	120" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	386.49
		For <10, Add	18.41
		For >50 To 100, Deduct	-9.20
		For >100 To 200, Deduct	-12.27
		For >200, Deduct	-24.54
32 17 23 33-0058	SF	Preformed Arrow, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	25.83
32 17 23 33-0059	SF	Preformed Symbol, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	27.17
		Note: Handicap, railroad, diamond symbol, etc.	

32 17 23 33-0060 Preformed, Thermoplastic Reflective Pavement Marking (32 17 23 33-0001)

Note: Heat applied. (Flint PreMark or HotTape Series).

32 17 23 33-0061	EA	Preformed Bike Lane Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape	405.48
		Note: Approximate overall dimensions: 4' width x 8' height.	
32 17 23 33-0062	EA	Preformed Railroad Crossing Symbol, 125 Mil Thick, Thermoplastic Reflective Pavement Marking Tape	1,076.46
		Note: Approximate overall dimensions: 8' width x 20' height. Excludes transverse lines.	
32 17 23 33-0063	EA	Preformed Preferential Lane Symbol (Diamond), 125 Mil Thick, Thermoplastic Reflective Pavement Marking Tape	210.02
		Note: Approximate overall dimensions: 3-1/4' width x 13' height.	
32 17 23 33-0064	EA	6' Height, Preformed Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape	175.36
		Note: Approximate overall dimensions: 2' width x 6' height.	
32 17 23 33-0065	EA	9-1/2' Height, Preformed Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape	348.78
		Note: Approximate overall dimensions: 3-1/4' width x 9-1/2' height.	
32 17 23 33-0066	EA	4' Height, Preformed Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape	204.83
		Note: Approximate overall dimensions: 3' width x 4' height.	
32 17 23 33-0067	EA	8' Height, Preformed Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape	389.43
		Note: Approximate overall dimensions: 6' width x 8' height.	
32 17 23 33-0068	EA	Preformed Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape	671.93
		Note: Approximate overall dimensions: 7-1/4' width x 12-3/4' height.	
32 17 23 33-0069	EA	Preformed Dual Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape	1,016.70
		Note: Approximate overall dimensions: 11-1/4' width x 13-1/4' height.	
32 17 23 33-0070	EA	Preformed Elongated Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape	357.57
		Note: Approximate overall dimensions: 1-2/3' width x 12' height.	
32 17 23 33-0071	EA	Preformed Elongated Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape	398.22
		Note: Approximate overall dimensions: 3' width x 12' height.	
32 17 23 33-0072	EA	Preformed Elongated Dual Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape	742.60
		Note: Approximate overall dimensions: 5-1/2' width x 12' height.	
32 17 23 33-0073	EA	Preformed Elongated Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape	681.79
		Note: Approximate overall dimensions: 3-1/2' width x 20' height.	
32 17 23 33-0074	EA	Preformed Elongated Dual Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape	684.48
		Note: Approximate overall dimensions: 5-1/2' width x 20' height.	
32 17 23 33-0075	EA	Preformed Lane-Reduction Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape	947.39
		Note: Approximate overall dimensions: 5-1/2' width x 18' height.	

32 17 23 33-0076 Thermoplastic Pavement Striping, Letters And Symbols For Parking Areas

(32 17 23 33)

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 17 23 33-0077		Thermoplastic Pavement Marking Symbols For Parking Areas (32 17 23 33-0076) Note: Heat applied. (Flint PreMark Series).		
32 17 23 33-0078	EA	28" Handicap Symbol For Standard Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas.....	136.25	
32 17 23 33-0079	EA	Note: White or blue symbol. Excludes striping. 39" Handicap Symbol For Standard Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas.....	522.37	
32 17 23 33-0080	EA	40" x 40" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas.....	293.74	
32 17 23 33-0081	EA	Note: White symbol on blue background. Excludes striping. 45" x 45" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas.....	353.53	
32 17 23 33-0082	EA	Note: White symbol on blue background. Excludes striping. 48" x 48" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas.....	370.63	

32 17 26 Tactile Warning Surfaces (32 17)

32 17 26 00-0001		Vitrified Polymer Composite (VPC); (Armor Tile) (32 17 26) Note: Truncated dome, raised strips or directional bars. All colors.		
32 17 26 00-0002	SF	Surface Applied VPC Truncated Dome Detectable Warning Surface.....	71.42	10.93
32 17 26 00-0003	SF	Note: Includes adhesive, fasteners and sealant at perimeter. Also raised strips or directional bars. All colors. Embedded, VPC Truncated Dome Detectable Warning Surface.....	57.22	10.93
32 17 26 00-0004		Fiber-Reinforced, Polymer Modified Cement And Coated With Acrylic Resin Emulsion (SatetyStep TD) (32 17 26) Note: Pre-molded tactile dome sheet. All colors.		
32 17 26 00-0005	SF	Up To 15 SF, Surface Applied Pre-Molded Tactile Warning Mat (SSTD-MAT).....	84.95	10.93
32 17 26 00-0006	SF	Note: Includes surface preparation, SSTD-589 adhesive, SSTD-100 topcoat sealer and SSTD-1250 finish. All colors. 2' or 3' width. >15 To 36 SF, Surface Applied Pre-Molded Tactile Warning Mat (SSTD-MAT).....	75.12	10.93
32 17 26 00-0007		Tactile Warning Surfaces (32 17 26) Note: concrete dome tiles with integral color and spacing at 2.35" on center.		
32 17 26 00-0008	SF	Wetset Applied Standard Dome Detectable Warning Surface (Tek-way).....	71.42	10.93

32 18 Athletic and Recreational Surfacing (32 18)

32 18 16 Synthetic Resilient Surfacing (32 18)

32 18 16 13 Playground Protective Surfacing (32 18 16)

32 18 16 13-0001		Tile Playground Surface Material (32 18 16 13) Note: Black. With or without channel bottom. Includes transition section and curbs. Excludes sub base.		
32 18 16 13-0002	SF	1-3/4" Thick, Resilient Rubber Tile Playground Surfacing.....	24.38	2.46
		For Manufacturer's Standard Colors, Add	1.53	
		For Interlocking Tiles, Add	3.40	
		For Mechanically Fastened, Add	1.87	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	
32 18 16 13-0003	SF	2" Thick, Resilient Rubber Tile Playground Surfacing.....	24.85	2.60
		For Manufacturer's Standard Colors, Add	1.53	
		For Interlocking Tiles, Add	3.40	
		For Mechanically Fastened, Add	1.97	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	
32 18 16 13-0004	SF	2-1/4" Thick, Resilient Rubber Tile Playground Surfacing.....	25.77	2.91
		For Manufacturer's Standard Colors, Add	1.53	
		For Interlocking Tiles, Add	3.40	
		For Mechanically Fastened, Add	2.15	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	
32 18 16 13-0005	SF	2-1/2" Thick, Resilient Rubber Tile Playground Surfacing.....	26.69	3.22
		For Manufacturer's Standard Colors, Add	1.53	
		For Interlocking Tiles, Add	3.40	
		For Mechanically Fastened, Add	2.33	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	
32 18 16 13-0006	SF	2-3/4" Thick, Resilient Rubber Tile Playground Surfacing.....	29.81	3.52
		For Manufacturer's Standard Colors, Add	1.15	
		For Interlocking Tiles, Add	3.85	
		For Mechanically Fastened, Add	2.52	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	
32 18 16 13-0007	SF	3" Thick, Resilient Rubber Tile Playground Surfacing.....	30.83	3.86
		For Manufacturer's Standard Colors, Add	1.15	
		For Interlocking Tiles, Add	3.85	
		For Mechanically Fastened, Add	2.72	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	
32 18 16 13-0008	SF	3-1/4" Thick, Resilient Rubber Tile Playground Surfacing.....	31.88	4.21
		For Manufacturer's Standard Colors, Add	1.15	
		For Interlocking Tiles, Add	3.85	
		For Mechanically Fastened, Add	2.93	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 18 Athletic and Recreational Surfacing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 18 16 13-0009	SF	3-1/2" Thick, Resilient Rubber Tile Playground Surfacing	35.08	4.51
		For Manufacturer's Standard Colors, Add	0.64	
		For Interlocking Tiles, Add	4.29	
		For Mechanically Fastened, Add	3.12	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	
32 18 16 13-0010	SF	3-3/4" Thick, Resilient Rubber Tile Playground Surfacing	36.00	4.87
		For Manufacturer's Standard Colors, Add	0.64	
		For Interlocking Tiles, Add	4.29	
		For Mechanically Fastened, Add	3.31	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	
32 18 16 13-0011	SF	4" Thick, Resilient Rubber Tile Playground Surfacing.....	37.01	5.15
		For Manufacturer's Standard Colors, Add	0.64	
		For Interlocking Tiles, Add	4.29	
		For Mechanically Fastened, Add	3.51	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	
32 18 16 13-0012	SF	4-1/2" Thick, Resilient Rubber Tile Playground Surfacing	42.63	5.79
		For Manufacturer's Standard Colors, Add	0.63	
		For Interlocking Tiles, Add	5.03	
		For Mechanically Fastened, Add	3.90	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	

32 18 16 13-0013 Loose Laid Playground Surface Material (32 18 16 13)

Note: Excludes sub base.

32 18 16 13-0014	SF	3" Loose Laid Wood Fiber Safety Playground Surfacing	1.75	0.37
32 18 16 13-0015	SF	6" Loose Laid Wood Fiber Safety Playground Surfacing	2.33	0.46
32 18 16 13-0016	SF	9" Loose Laid Wood Fiber Safety Playground Surfacing	2.97	0.55
32 18 16 13-0017	SF	12" Loose Laid Wood Fiber Safety Playground Surfacing	4.19	0.83
32 18 16 13-0018	SF	3" Loose Laid Synthetic Fiber Safety Playground Surfacing	2.63	0.37
32 18 16 13-0019	SF	6" Loose Laid Synthetic Fiber Safety Playground Surfacing	3.25	0.46
32 18 16 13-0020	SF	9" Loose Laid Synthetic Fiber Safety Playground Surfacing	4.97	0.55
32 18 16 13-0021	SF	12" Loose Laid Synthetic Fiber Safety Playground Surfacing	6.21	0.83
32 18 16 13-0022	SF	8" FIBAR System Playground Surfacing	10.55	1.38
		Note: Includes drainage system on 6" centers, felt, edge railing and 8" wood fiber.		
32 18 16 13-0023	SF	12" FIBAR System Playground Surfacing	13.42	1.84
		Note: Includes drainage system on 6" centers, felt, edge railing and 12" wood fiber.		

32 18 16 13-0024 Poured In Place Playground Surfacing (32 18 16 13)

Note: Includes SBR base mat, 100% color ethylene propylene diene monomer (EPDM) top surface and 5 year warranty. Includes primer for base mat and top surface. Includes all colors. Excludes base preparation.

32 18 16 13-0025	SF	1-3/4" Thick, Up To 4' Critical Fall Height, Poured In Place Rubber Playground Surfacing	19.42	2.86
		For Up To 2,000, Add	3.87	
		For >2,000 To 3,000, Add	2.73	
		For >3,000 To 4,000, Add	1.86	
		For >4,000 To 5,000, Add	1.19	
		For >5,000 To 7,000, Add	0.49	
		For Aliphatic (Non-Yellowing) Binder, Add	4.41	
		For Each 10% Of Area In Black Instead Of Color, Deduct	-0.60	
32 18 16 13-0026	SF	2" Thick, 5' Critical Fall Height, Poured In Place Rubber Playground Surfacing	20.03	3.17
		For Up To 2,000, Add	3.99	
		For >2,000 To 3,000, Add	2.81	
		For >3,000 To 4,000, Add	1.92	
		For >4,000 To 5,000, Add	1.22	
		For >5,000 To 7,000, Add	0.51	
		For Aliphatic (Non-Yellowing) Binder, Add	4.41	
		For Each 10% Of Area In Black Instead Of Color, Deduct	-0.60	
32 18 16 13-0027	SF	2-1/2" Thick, 6' Critical Fall Height, Poured In Place Rubber Playground Surfacing	21.63	3.62
		For Up To 2,000, Add	4.31	
		For >2,000 To 3,000, Add	3.04	
		For >3,000 To 4,000, Add	2.07	
		For >4,000 To 5,000, Add	1.32	
		For >5,000 To 7,000, Add	0.55	
		For Aliphatic (Non-Yellowing) Binder, Add	4.41	
		For Each 10% Of Area In Black Instead Of Color, Deduct	-0.60	
32 18 16 13-0028	SF	3" Thick, 7' Critical Fall Height, Poured In Place Rubber Playground Surfacing	23.37	3.85
		For Up To 2,000, Add	4.65	
		For >2,000 To 3,000, Add	3.28	
		For >3,000 To 4,000, Add	2.24	
		For >4,000 To 5,000, Add	1.43	
		For >5,000 To 7,000, Add	0.59	
		For Aliphatic (Non-Yellowing) Binder, Add	4.41	
		For Each 10% Of Area In Black Instead Of Color, Deduct	-0.60	
32 18 16 13-0029	SF	3-1/2" Thick, 8' Critical Fall Height, Poured In Place Rubber Playground Surfacing	25.08	4.05
		For Up To 2,000, Add	4.99	
		For >2,000 To 3,000, Add	3.52	
		For >3,000 To 4,000, Add	2.40	
		For >4,000 To 5,000, Add	1.53	
		For >5,000 To 7,000, Add	0.64	
		For Aliphatic (Non-Yellowing) Binder, Add	4.41	
		For Each 10% Of Area In Black Instead Of Color, Deduct	-0.60	
32 18 16 13-0030	SF	4" Thick, 9' Critical Fall Height, Poured In Place Rubber Playground Surfacing	26.55	4.28
		For Up To 2,000, Add	5.28	
		For >2,000 To 3,000, Add	3.73	
		For >3,000 To 4,000, Add	2.54	
		For >4,000 To 5,000, Add	1.62	
		For >5,000 To 7,000, Add	0.68	
		For Aliphatic (Non-Yellowing) Binder, Add	4.41	
		For Each 10% Of Area In Black Instead Of Color, Deduct	-0.60	

		Exterior Improvements		32
		Bases, Ballasts, and Paving		32 10
		Athletic and Recreational Surfacing		32 18
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
		UNIT COST	UNIT COST	
32 18 16 13-0031	SF 4-1/2" Thick, 10' Critical Fall Height, Poured In Place Rubber Playground Surfacing.....	28.28		4.52
	For Up To 2,000, Add	5.63		
	For >2,000 To 3,000, Add	3.97		
	For >3,000 To 4,000, Add	2.70		
	For >4,000 To 5,000, Add	1.73		
	For >5,000 To 7,000, Add	0.72		
	For Aliphatic (Non-Yellowing) Binder, Add	4.41		
	For Each 10% Of Area In Black Instead Of Color, Deduct	-0.60		
32 18 16 13-0032	SF 5-1/2" Thick, 12' Critical Fall Height, Poured In Place Rubber Playground Surfacing.....	31.73		5.07
	For Up To 2,000, Add	6.32		
	For >2,000 To 3,000, Add	4.46		
	For >3,000 To 4,000, Add	3.04		
	For >4,000 To 5,000, Add	1.94		
	For >5,000 To 7,000, Add	0.81		
	For Aliphatic (Non-Yellowing) Binder, Add	4.41		
	For Each 10% Of Area In Black Instead Of Color, Deduct	-0.60		
32 18 16 13-0033	SF 1/2" Top Only, Poured In Place Playground Surfacing	12.69		
	Note: Not used with new surfacing system tasks.			
	For Up To 2,000, Add	3.80		
	For >2,000 To 3,000, Add	2.46		
	For >3,000 To 4,000, Add	1.50		
	For >4,000 To 5,000, Add	0.91		
	For >5,000 To 7,000, Add	0.41		
	For Aliphatic (Non-Yellowing) Binder, Add	4.41		
	For Each 10% Of Area In Black Instead Of Color, Deduct	-0.60		
32 18 16 13-0034	EA Simple Graphics Including Hopscotch, Four Square Or Geometric Shapes (5 Per 1,000 SF) For Poured In Place Playground Surfacing	2,812.75		
32 18 16 13-0035	Synthetic Playground Turf (Sporturf) (32 18 16 13)			
	Note: Excludes base preparation, aggregate, or drainage.			
32 18 16 13-0036	SF 60 OZ/SY Face Weight, Tufted Polyethylene Monofilament Classic Spine/ Texturized Polypropylene Synthetic Turf (Sporturf PL929).....	10.75		
32 18 16 13-0037	SF 71 OZ/SY Face Weight, Tufted Polyethylene Monofilament Classic Spine/ Texturized Polypropylene Synthetic Turf (Mirage PL906)	9.44		
32 18 16 13-0038	SF 2" Foam Padding (Sporturf).....	6.08		
32 18 16 13-0039	CF Sand/Rubber Infill (Sporturf)	55.36		
32 18 23	Athletic Surfacing (32 18)			
32 18 23 13	Baseball Field Surfacing (32 18 23)			
32 18 23 13-0001	Clay Infield Maintenance (32 18 23 13)			
32 18 23 13-0002	MSF Playing Field Maintenance (Clay - Nail Drag)	11.93		
32 18 23 13-0003	MSF Playing Field Maintenance (Clay - Screen Drag).....	11.93		
32 18 23 13-0004	CY Playing Field Maintenance Of Clay.....	109.42		
32 18 23 13-0005	Ton Medium Pro Baseball Infield Mix (Diamond Select 60/40 Pro Infield Mix)	186.26		
32 18 23 23	Field Sport Surfacing (32 18 23)			
32 18 23 23-0001	Turf Field Maintenance (32 18 23 23)			
32 18 23 23-0002	ACR Turf Aeration (Minimum 6" Penetration).....	160.67		
32 18 23 23-0003	MSF Top Dressing 1/8" - 1/4" Sand	15.30		
32 18 23 23-0004	BAG Envirofill, 50 Lb. Bag.....	120.04		
32 18 23 29	Synthetic Field Sport Surfacing (32 18 23)			
32 18 23 29-0001	Synthetic Field Sport Surfacing (32 18 23 29)			
32 18 23 29-0002	Synthetic Turf (AstroTurf) (32 18 23 29-0001)			
	Note: Includes labor, equipment and material required to install the task.			
32 18 23 29-0003	Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT) (32 18 23 29-0002)			
32 18 23 29-0004	38 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 38) (32 18 23 29-0003)			
32 18 23 29-0005	SF 38 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 38)	8.44		
	For Ambient Rubber And Sand Infill, Add	0.10		
	For Cryo Rubber Infill, Add	0.26		
	For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	0.31		
	For Cryo Rubber And Sand Infill, Add	0.36		
32 18 23 29-0006	EA Football Markings For AstroTurf® GameDay Grass™ MT 38 Fields.....	28,277.14		
32 18 23 29-0007	EA Baseball Markings For AstroTurf® GameDay Grass™ MT 38 Fields.....	23,048.54		
32 18 23 29-0008	EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 38 Fields.....	6,935.90		
	Note: Per sport.			
32 18 23 29-0009	EA End Zone Lettering For AstroTurf® GameDay Grass™ MT 38 Fields.....	2,560.95		
	Note: Per letter. Excludes outline.			
32 18 23 29-0010	EA Colored End Zone For AstroTurf® GameDay Grass™ MT 38 Fields	2,454.24		
	Note: Per end zone.			
32 18 23 29-0011	EA Simple Logo For AstroTurf® GameDay Grass™ MT 38 Fields	21,341.24		
	Note: Block letter.			
32 18 23 29-0012	EA Deluxe Logo For AstroTurf® GameDay Grass™ MT 38 Fields	30,944.80		
	Note: Graphic.			

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 18 Athletic and Recreational Surfacing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 18 23 29-0013	41 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 41) (32 18 23 29-0003)		
32 18 23 29-0014	SF 41 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 41).....	9.73	
	For Ambient Rubber And Sand Infill, Add	0.10	
	For Cryo Rubber Infill, Add	0.26	
	For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	0.31	
	For Cryo Rubber And Sand Infill, Add	0.36	
32 18 23 29-0015	EA Football Markings For AstroTurf® GameDay Grass™ MT 41 Fields.....	28,810.85	
32 18 23 29-0016	EA Baseball Markings For AstroTurf® GameDay Grass™ MT 41 Fields.....	23,902.33	
32 18 23 29-0017	EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 41 Fields.....	7,469.48	
	Note: Per sport.		
32 18 23 29-0018	EA End Zone Lettering For AstroTurf® GameDay Grass™ MT 41 Fields.....	2,774.38	
	Note: Per letter. Excludes outline.		
32 18 23 29-0019	EA Colored End Zone For AstroTurf® GameDay Grass™ MT 41 Fields.....	2,560.96	
	Note: Per end zone.		
32 18 23 29-0020	EA Simple Logo For AstroTurf® GameDay Grass™ MT 41 Fields.....	22,408.44	
	Note: Block letter.		
32 18 23 29-0021	EA Deluxe Logo For AstroTurf® GameDay Grass™ MT 41 Fields.....	32,492.23	
	Note: Graphic.		
32 18 23 29-0022	45 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 45) (32 18 23 29-0003)		
32 18 23 29-0023	SF 45 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 45).....	9.92	
	For Ambient Rubber And Sand Infill, Add	0.10	
	For Cryo Rubber Infill, Add	0.26	
	For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	0.31	
	For Cryo Rubber And Sand Infill, Add	0.36	
32 18 23 29-0024	EA Football Markings For AstroTurf® GameDay Grass™ MT 45 Fields.....	29,344.38	
32 18 23 29-0025	EA Baseball Markings For AstroTurf® GameDay Grass™ MT 45 Fields.....	25,823.06	
32 18 23 29-0026	EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 45 Fields.....	8,003.01	
	Note: Per sport.		
32 18 23 29-0027	EA End Zone Lettering For AstroTurf® GameDay Grass™ MT 45 Fields.....	2,987.79	
	Note: Per letter. Excludes outline.		
32 18 23 29-0028	EA Colored End Zone For AstroTurf® GameDay Grass™ MT 45 Fields.....	2,667.67	
	Note: Per end zone.		
32 18 23 29-0029	EA Simple Logo For AstroTurf® GameDay Grass™ MT 45 Fields.....	23,475.50	
	Note: Block letter.		
32 18 23 29-0030	EA Deluxe Logo For AstroTurf® GameDay Grass™ MT 45 Fields.....	34,039.48	
	Note: Graphic.		
32 18 23 29-0031	Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D) (32 18 23 29-0002)		
32 18 23 29-0032	52 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3DX 52) (32 18 23 29-0031)		
32 18 23 29-0033	SF 52 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3DX 52).....	11.12	
	For Ambient Rubber And Sand Infill, Add	0.10	
	For Cryo Rubber Infill, Add	0.20	
	For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	0.25	
	For Cryo Rubber And Sand Infill, Add	0.30	
32 18 23 29-0034	EA Football Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields.....	30,411.27	
32 18 23 29-0035	EA Baseball Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields.....	32,438.68	
32 18 23 29-0036	EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields.....	9,070.03	
	Note: Per sport.		
32 18 23 29-0037	EA End Zone Lettering For AstroTurf® GameDay Grass™ 3DX 52 Fields.....	3,414.60	
	Note: Per letter. Excludes outline.		
32 18 23 29-0038	EA Colored End Zone For AstroTurf® GameDay Grass™ 3DX 52 Fields.....	2,881.07	
	Note: Per end zone.		
32 18 23 29-0039	EA Simple Logo For AstroTurf® GameDay Grass™ 3DX 52 Fields.....	25,609.49	
	Note: Block letter.		
32 18 23 29-0040	EA Deluxe Logo For AstroTurf® GameDay Grass™ 3DX 52 Fields.....	37,133.76	
	Note: Graphic.		
32 18 23 29-0041	60 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3DX 60) (32 18 23 29-0031)		
32 18 23 29-0042	SF 60 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3DX 60).....	11.51	
	For Ambient Rubber And Sand Infill, Add	0.10	
	For Cryo Rubber Infill, Add	0.20	
	For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	0.25	
	For Cryo Rubber And Sand Infill, Add	0.30	
32 18 23 29-0043	EA Football Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields.....	30,944.80	
32 18 23 29-0044	EA Baseball Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields.....	36,066.70	
32 18 23 29-0045	EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields.....	9,603.56	
	Note: Per sport.		
32 18 23 29-0046	EA End Zone Lettering For AstroTurf® GameDay Grass™ 3DX 60 Fields.....	3,628.01	
	Note: Per letter. Excludes outline.		
32 18 23 29-0047	EA Colored End Zone For AstroTurf® GameDay Grass™ 3DX 60 Fields.....	2,987.77	
	Note: Per end zone.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0048	EA		Simple Logo For AstroTurf® GameDay Grass™ 3DX 60 Fields Note: Block letter.	26,676.55	
32 18 23 29-0049	EA		Deluxe Logo For AstroTurf® GameDay Grass™ 3DX 60 Fields Note: Graphic.	38,681.00	
32 18 23 29-0050			52 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D 52) (32 18 23 29-0031)		
32 18 23 29-0051	SF		52 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3D 52).....	11.53	
			For Ambient Rubber And Sand Infill, Add	0.10	
			For Cryo Rubber Infill, Add	0.20	
			For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	0.25	
			For Cryo Rubber And Sand Infill, Add	0.30	
32 18 23 29-0052	EA		Football Markings For AstroTurf® GameDay Grass™ 3D 52 Fields	31,478.33	
32 18 23 29-0053	EA		Baseball Markings For AstroTurf® GameDay Grass™ 3D 52 Fields	36,280.11	
32 18 23 29-0054	EA		Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3D 52 Fields..... Note: Per sport.	10,137.09	
32 18 23 29-0055	EA		End Zone Lettering For AstroTurf® GameDay Grass™ 3D 52 Fields	3,841.42	
			Note: Per letter. Excludes outline.		
32 18 23 29-0056	EA		Colored End Zone For AstroTurf® GameDay Grass™ 3D 52 Fields.....	3,094.48	
			Note: Per end zone.		
32 18 23 29-0057	EA		Simple Logo For AstroTurf® GameDay Grass™ 3D 52 Fields..... Note: Block letter.	27,743.61	
32 18 23 29-0058	EA		Deluxe Logo For AstroTurf® GameDay Grass™ 3D 52 Fields..... Note: Graphic.	40,228.24	
32 18 23 29-0059			60 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D 60) (32 18 23 29-0031)		
32 18 23 29-0060	SF		60 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3D 60).....	11.76	
			For Ambient Rubber And Sand Infill, Add	0.10	
			For Cryo Rubber Infill, Add	0.20	
			For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	0.25	
			For Cryo Rubber And Sand Infill, Add	0.30	
32 18 23 29-0061	EA		Football Markings For AstroTurf® GameDay Grass™ 3D 60 Fields	32,011.86	
32 18 23 29-0062	EA		Baseball Markings For AstroTurf® GameDay Grass™ 3D 60 Fields	38,627.64	
32 18 23 29-0063	EA		Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3D 60 Fields..... Note: Per sport.	10,670.62	
32 18 23 29-0064	EA		End Zone Lettering For AstroTurf® GameDay Grass™ 3D 60 Fields	4,268.25	
			Note: Per letter. Excludes outline.		
32 18 23 29-0065	EA		Colored End Zone For AstroTurf® GameDay Grass™ 3D 60 Fields.....	3,201.19	
			Note: Per end zone.		
32 18 23 29-0066	EA		Simple Logo For AstroTurf® GameDay Grass™ 3D 60 Fields..... Note: Block letter.	28,810.67	
32 18 23 29-0067	EA		Deluxe Logo For AstroTurf® GameDay Grass™ 3D 60 Fields..... Note: Graphic.	41,775.48	
32 18 23 29-0068			Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ XPe) (32 18 23 29-0002)		
32 18 23 29-0069			38 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ XPe 38) (32 18 23 29-0068)		
32 18 23 29-0070	SF		38 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ XPe 38)	9.34	
			For Ambient Rubber And Sand Infill, Add	0.10	
			For Cryo Rubber Infill, Add	0.26	
			For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	0.31	
			For Cryo Rubber And Sand Infill, Add	0.36	
32 18 23 29-0071	EA		Football Markings For AstroTurf® GameDay Grass™ XPe 38 Fields	27,210.24	
32 18 23 29-0072	EA		Baseball Markings For AstroTurf® GameDay Grass™ XPe 38 Fields	20,060.89	
32 18 23 29-0073	EA		Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ XPe 38 Fields..... Note: Per sport.	5,868.88	
32 18 23 29-0074	EA		End Zone Lettering For AstroTurf® GameDay Grass™ XPe 38 Fields	2,134.14	
			Note: Per letter. Excludes outline.		
32 18 23 29-0075	EA		Colored End Zone For AstroTurf® GameDay Grass™ XPe 38 Fields.....	2,240.84	
			Note: Per end zone.		
32 18 23 29-0076	EA		Simple Logo For AstroTurf® GameDay Grass™ XPe 38 Fields..... Note: Block letter.	19,207.23	
32 18 23 29-0077	EA		Deluxe Logo For AstroTurf® GameDay Grass™ XPe 38 Fields	27,850.49	
			Note: Graphic.		
32 18 23 29-0078			42 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ XPe 42) (32 18 23 29-0068)		
32 18 23 29-0079	SF		42 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ XPe 42)	8.18	
			For Ambient Rubber And Sand Infill, Add	0.10	
			For Cryo Rubber Infill, Add	0.26	
			For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	0.31	
			For Cryo Rubber And Sand Infill, Add	0.36	
32 18 23 29-0080	EA		Football Markings For AstroTurf® GameDay Grass™ XPe 42 Fields	27,743.61	
32 18 23 29-0081	EA		Baseball Markings For AstroTurf® GameDay Grass™ XPe 42 Fields	21,341.24	

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 18 Athletic and Recreational Surfacing**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 18 23 29-0082	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ XPe 42 Fields .....6,402.37	
		Note: Per sport.	
32 18 23 29-0083	EA	End Zone Lettering For AstroTurf® GameDay Grass™ XPe 42 Fields .....2,347.54	
		Note: Per letter. Excludes outline.	
32 18 23 29-0084	EA	Colored End Zone For AstroTurf® GameDay Grass™ XPe 42 Fields.....2,347.54	
		Note: Per end zone.	
32 18 23 29-0085	EA	Simple Logo For AstroTurf® GameDay Grass™ XPe 42 Fields.....20,274.18	
		Note: Block letter.	
32 18 23 29-0086	EA	Deluxe Logo For AstroTurf® GameDay Grass™ XPe 42 Fields.....29,397.56	
		Note: Graphic.	

32 18 23 29-0087 Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Attached Pad (AstroTurf® PureGrass®) (32 18 23 29-0002)

32 18 23 29-0088	SF	Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Attached Pad (AstroTurf® PureGrass®).....18.60	
32 18 23 29-0089	SF	Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® PureGrass®).....16.64	
32 18 23 29-0090	EA	Football Markings For AstroTurf® PureGrass® Fields .....52,652.55	
32 18 23 29-0091	EA	Baseball Markings For AstroTurf® PureGrass® Fields .....62,553.03	
32 18 23 29-0092	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® PureGrass® Fields .....15,300.74	
		Note: Per sport.	
32 18 23 29-0093	EA	End Zone Lettering For AstroTurf® PureGrass® Fields .....5,850.28	
		Note: Per letter. Excludes outline.	
32 18 23 29-0094	EA	Colored End Zone For AstroTurf® PureGrass® Fields.....4,342.48	
		Note: Per end zone.	
32 18 23 29-0095	EA	Simple Logo For AstroTurf® PureGrass® Fields.....39,082.31	
		Note: Block letter.	
32 18 23 29-0096	EA	Deluxe Logo For AstroTurf® PureGrass® Fields.....57,377.78	
		Note: Graphic.	

32 18 23 29-0097 Synthetic Turf (G9 Turf) (32 18 23 29-0001)

Note: Includes labor, equipment and material required to install the task.

32 18 23 29-0098	SF	2-1/2" Height, 53 Ounce, Tufted 3/8" Gauge Monofilament Synthetic Turf With Thatch Layer And Ethylene Propylene Diene Monomer (EPDM) Infill (G9 Turf Playmaker Turf) .....10.18	
		Note: For football and multi-sport fields. Excludes preparation of sub-base, grooming, sports lines and logos.	
		For >35,000, Deduct	-0.91
32 18 23 29-0099	SF	2" Height, 48 Ounce, Tufted 3/8" Gauge Monofilament Synthetic Turf With Thatch Layer And Ethylene Propylene Diene Monomer (EPDM) Infill (G9 Turf Striker Turf) .....10.08	
		Note: For all sports other than football. Excludes preparation of sub-base, grooming, sports lines and logos.	
		For >35,000, Deduct	-0.90
32 18 23 29-0100	SF	1-3/4" Height, 72 Ounce, Tufted 3/8" Gauge, Two-Color Monofilament Synthetic Turf With Thatch Layer And Acrylic Coated Sand Infill (G9 Turf Perennial Turf).....10.54	
		Note: For landscaped areas or playgrounds. Excludes preparation of sub-base, grooming, sports lines and logos.	
32 18 23 29-0101	EA	Football Inlays For G9 Synthetic Turf.....72,806.55	
		Note: Includes field grid, numbers, arrows, coach's box and kick off lines.	
32 18 23 29-0102	EA	Soccer Inlays For G9 Synthetic Turf .....31,549.50	
32 18 23 29-0103	EA	Boys Lacrosse Inlays For G9 Synthetic Turf .....31,549.50	
32 18 23 29-0104	EA	Girls Lacrosse Inlays For G9 Synthetic Turf .....31,549.50	
32 18 23 29-0105	EA	Field Hockey Inlays For G9 Synthetic Turf .....31,549.50	
32 18 23 29-0106	EA	End Zone Lettering For G9 Synthetic Turf .....3,640.33	
		Note: Priced per letter. Includes single color outlining.	
32 18 23 29-0107	SF	Ethylene Propylene Diene Monomer (EPDM) Black Infill For G9 Synthetic Turf .....3.41	
32 18 23 29-0108	SF	Ethylene Propylene Diene Monomer (EPDM) Color Infill For G9 Synthetic Turf .....8.90	
32 18 23 29-0109	SF	Styrene-Butadiene Rubber (SBR) Infill For G9 Synthetic Turf .....2.54	
32 18 23 29-0110	SF	Sand Infill For G9 Synthetic Turf .....1.28	
32 18 23 29-0111	SF	Acrylic Coated Sand Infill For G9 Synthetic Turf .....2.10	
32 18 23 29-0112	EA	Gmax Compaction And Hardness Test For G9 Synthetic Turf .....2,426.88	
		Note: Includes a comprehensive report.	
32 18 23 29-0113	EA	Safety Bridge Over Track For G9 Synthetic Turf .....24,268.85	
32 18 23 29-0114	SF	Clean And Groom Synthetic Turf .....0.80	
		Note: Includes using equipment to pick up metal particles in the field, air vacuum the top 2-5 mm of infill, clean and screen to remove broken strands, dirt, bandage, etc.	
		For >10,000 To 30,000, Deduct	-0.32
		For >30,000 To 60,000, Deduct	-0.56
		For >60,000, Deduct	-0.61
32 18 23 29-0115	SF	Rejuvenate Synthetic Turf And Reinstall Existing Infill.....5.44	
		Note: Includes using equipment to extract 10 to 20 mm of infill by delivering high-pressure air into the carpet, decompacting the surface and driving out the infill leaving the fiber standing straight up. Includes reinstalling the old infill that was removed.	
32 18 23 29-0116	SF	Rejuvenate Synthetic Turf For Installation Of New Infill .....6.05	
		Note: Includes using equipment to extract 10 to 20 mm of infill by delivering high-pressure air into the carpet, decompacting the surface and driving out the infill leaving the fiber standing straight up. Includes disposing of the old infill. Excludes new infill.	
32 18 23 29-0117	SF	Drainage Layer For G9 Synthetic Turf .....4.96	
		Note: Used for drainage over asphalt or on rooftops.	
32 18 23 29-0118	SF	15 mm, Shock Pad For G9 Synthetic Turf .....3.05	
		Note: Used for additional Gmax for a stone base field.	
32 18 23 29-0119	EA	Single Visit Repair Call To Repair Up To 300 LF Of Inlay Lines Or Seams On G9 Synthetic Turf .....4,836.60	
		Note: Includes field inspection and report.	
32 18 23 29-0120	LF	Repair Inlay Lines Or Seams On G9 Synthetic Turf .....13.30	
		Note: Linear foot price for repairs over the initial repair call maximum of 300 LF.	
32 18 23 29-0121	LF	Nailer Used To Attach G9 Synthetic Turf .....5.32	
32 18 23 29-0122	SF	Removal And Recycling Of Existing Field .....3.75	
		Note: Includes removal, shipping and recycling of infill, fibers and backing.	

Exterior Improvements			32
Bases, Ballasts, and Paving			32 10
Athletic and Recreational Surfacing			32 18

MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0123	Synthetic Turf (FieldTurf) (32 18 23 29-0001) Note: Includes labor, equipment and material required to install the task.		
32 18 23 29-0124	SF 2" Height, Linked Monofilament Fiber, Polyethylene Synthetic Turf With Rubber/Sand Infill (FieldTurf Prestige XT 50).....	8.48	
	Note: Excludes preparation of sub-base, grooming, sports lines and logos.		
32 18 23 29-0125	SF 2.35" Height, Linked Monofilament Fiber, Polyethylene Synthetic Turf With Rubber/Sand Infill (FieldTurf Prestige XT 60).....	8.59	
	Note: Excludes preparation of sub-base, grooming, sports lines and logos.		
32 18 23 29-0126	SF 2.5" Height, Linked Monofilament Fiber, Polyethylene Synthetic Turf With Rubber/Sand Infill (FieldTurf Prestige XT 65).....	8.70	
	Note: Excludes preparation of sub-base, grooming, sports lines and logos.		
32 18 23 29-0127	SF 2" Height, Straight Monofilament Fiber With Wrapping Yarn, Polyethylene Synthetic Turf With Rubber/Sand Infill (FieldTurf Prestige XM 50).....	8.59	
	Note: Excludes preparation of sub-base, grooming, sports lines and logos.		
32 18 23 29-0128	SF 2.35" Height, Straight Monofilament Fiber With Wrapping Yarn, Polyethylene Synthetic Turf With Rubber/Sand Infill (FieldTurf Prestige XM 60).....	8.70	
	Note: Excludes preparation of sub-base, grooming, sports lines and logos.		
32 18 23 29-0129	SF 2.5" Height, Straight Monofilament Fiber With Wrapping Yarn, Polyethylene Synthetic Turf With Rubber/Sand Infill (FieldTurf Prestige XM 65).....	8.81	
	Note: Excludes preparation of sub-base, grooming, sports lines and logos.		
32 18 23 29-0130	SF 2" Height, Split Film Monofilament Fiber, Polyethylene Synthetic Turf With Rubber/Sand Infill (FieldTurf Classic).....	8.36	
	Note: Excludes preparation of sub-base, grooming, sports lines and logos.		
32 18 23 29-0131	SF 2.5" Height, Split Film Monofilament Fiber, Polyethylene Synthetic Turf With Rubber/Sand Infill (FieldTurf Classic).....	9.24	
	Note: Excludes preparation of sub-base, grooming, sports lines and logos.		
32 18 23 29-0132	SF 2" Height, Spined Monofilament Fiber, Polyethylene Synthetic Turf With Rubber/Sand Infill (FieldTurf Duraspine Pro).....	8.79	
	Note: Excludes preparation of sub-base, grooming, sports lines and logos.		
32 18 23 29-0133	SF 2.5" Height, Spined Monofilament Fiber, Polyethylene Synthetic Turf With Rubber/Sand Infill (FieldTurf Duraspine Pro).....	9.56	
	Note: Excludes preparation of sub-base, grooming, sports lines and logos.		
32 18 23 29-0134	SF 2" Height, Concave And Rigid Monofilament Fiber, Polyethylene Synthetic Turf With Rubber/Sand Infill (FieldTurf Revolution).....	8.90	
	Note: Excludes preparation of sub-base, grooming, sports lines and logos.		
32 18 23 29-0135	SF 2.5" Height, Concave And Rigid Monofilament Fiber, Polyethylene Synthetic Turf With Rubber/Sand Infill (FieldTurf Revolution).....	9.67	
	Note: Excludes preparation of sub-base, grooming, sports lines and logos.		
32 18 23 29-0136	EA Numbers And Arrows Inlays For FieldTurf Synthetic Turf.....	15,990.27	
	Note: Per field.		
32 18 23 29-0137	EA Media Lines Inlays For FieldTurf Synthetic Turf.....	10,660.18	
	Note: Per field.		
32 18 23 29-0138	EA Hash Marks Inlays For FieldTurf Synthetic Turf.....	15,990.27	
	Note: Per field.		
32 18 23 29-0139	EA Rugby Inlays For FieldTurf Synthetic Turf.....	15,990.27	
	Note: Per field.		
32 18 23 29-0140	EA Soccer Inlays For FieldTurf Synthetic Turf.....	12,792.22	
	Note: Per field.		
32 18 23 29-0141	EA Field Hockey Inlays For FieldTurf Synthetic Turf.....	8,528.15	
	Note: Per field.		
32 18 23 29-0142	EA Lacrosse Inlays For FieldTurf Synthetic Turf.....	8,528.15	
	Note: Per field.		
32 18 23 29-0143	EA Baseball Inlays For FieldTurf Synthetic Turf.....	7,462.13	
	Note: Per field.		
32 18 23 29-0144	EA Softball Inlays For FieldTurf Synthetic Turf.....	5,330.09	
	Note: Per field.		
32 18 23 29-0145	EA Gmax Compaction And Hardness Test For FieldTurf Synthetic Turf.....	3,198.05	
	Note: Per test.		
32 18 23 29-0146	YR 8-Year Maintenance Program For FieldTurf Synthetic Turf.....	8,528.15	
	Note: Per year. Includes GroomRight machine.		
32 18 23 29-0147	EA GroomRight Machine For FieldTurf Synthetic Turf.....	10,660.18	
32 18 23 29-0148	Synthetic Turf (XGrass®) (32 18 23 29-0001) Note: Includes labor, equipment and material required to install the task. Excludes site preparation, drainage and removal of foreign debris.		
32 18 23 29-0149	Tufted Polyethylene Synthetic Turf (XGrass® PET) (32 18 23 29-0148)		
32 18 23 29-0150	1-1/8" Pile Height, 70 Oz/SY Face Weight, Tufted Polyethylene Synthetic Turf With Envirofill® Infill (XGrass® PET) (32 18 23 29-0149)		
32 18 23 29-0151	SF Up To 5,000 SF, 1-1/8" Pile Height, 70 Oz/SY Face Weight, Tufted Polyethylene Synthetic Turf With Envirofill® Infill (XGrass® PET).....	16.55	
	For Base And Nailer Board Installation, Add	2.00	
32 18 23 29-0152	SF >5,000 To 10,000 SF, 1-1/8" Pile Height, 70 Oz/SY Face Weight, Tufted Polyethylene Synthetic Turf With Envirofill® Infill (XGrass® PET).....	14.48	
	For Base And Nailer Board Installation, Add	2.00	
32 18 23 29-0153	SF >10,000 SF, 1-1/8" Pile Height, 70 Oz/SY Face Weight, Tufted Polyethylene Synthetic Turf With Envirofill® Infill (XGrass® PET).....	12.93	
	For Base And Nailer Board Installation, Add	1.25	
32 18 23 29-0154	Tufted Polyethylene Synthetic Turf With Pad (XGrass® Play) (32 18 23 29-0148)		
32 18 23 29-0155	1-3/4" Pile Height, 50 Oz/SY Face Weight, Tufted Polyethylene Synthetic Turf With 1" Pad (6' Fall Height) And Envirofill® Infill (XGrass® Play) (32 18 23 29-0154)		
32 18 23 29-0156	SF Up To 5,000 SF, 1-3/4" Pile Height, 50 Oz/SY Face Weight, Tufted Polyethylene Synthetic Turf With 1" Pad (6' Fall Height) And Envirofill® Infill (XGrass® Play).....	16.55	
	For Base And Nailer Board Installation, Add	2.00	

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 18 Athletic and Recreational Surfacing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 18 23 29-0157	SF	>5,000 To 10,000 SF, 1-3/4" Pile Height, 50 Oz/SY Face Weight, Tufted Polyethylene Synthetic Turf With 1" Pad (6' Fall Height) And Envirofill® Infill (XGrass® Play).....	14.48	
		<i>For Base And Nailer Board Installation, Add</i>	2.00	
32 18 23 29-0158	SF	>10,000 SF, 1-3/4" Pile Height, 50 Oz/SY Face Weight, Tufted Polyethylene Synthetic Turf With 1" Pad (6' Fall Height) And Envirofill® Infill (XGrass® Play)	12.93	
		<i>For Base And Nailer Board Installation, Add</i>	1.25	

32 18 23 29-0159 1-3/4" Pile Height, 50 Oz/SY Face Weight, Tufted Polyethylene Synthetic Turf With 2" Pad (9' Fall Height) And Envirofill® Infill (XGrass® Play) (32 18 23 29-0154)

32 18 23 29-0160	SF	Up To 5,000 SF, 1-3/4" Pile Height, 50 Oz/SY Face Weight, Tufted Polyethylene Synthetic Turf With 2" Pad (9' Fall Height) And Envirofill® Infill (XGrass® Play)	17.06	
		<i>For Base And Nailer Board Installation, Add</i>	2.00	
32 18 23 29-0161	SF	>5,000 To 10,000 SF, 1-3/4" Pile Height, 50 Oz/SY Face Weight, Tufted Polyethylene Synthetic Turf With 2" Pad (9' Fall Height) And Envirofill® Infill (XGrass® Play).....	14.99	
		<i>For Base And Nailer Board Installation, Add</i>	2.00	
32 18 23 29-0162	SF	>10,000 SF, 1-3/4" Pile Height, 50 Oz/SY Face Weight, Tufted Polyethylene Synthetic Turf With 2" Pad (9' Fall Height) And Envirofill® Infill (XGrass® Play)	12.93	
		<i>For Base And Nailer Board Installation, Add</i>	1.25	

32 18 23 33 Running Track Surfacing (32 18 23)

32 18 23 33-0001		Running Track Surfacing (32 18 23 33)		
32 18 23 33-0002	SY	2-1/2" Asphaltic Concrete Running Track Surfacing.....	31.67	

32 18 23 33-0003 Running Track Seal And Colored Surfaces (32 18 23 33)

32 18 23 33-0004	SY	1 Seal Coat, Striping Of Track	17.58	
		Note: Includes certification.		

32 18 23 39 Synthetic Running Track Surfacing (32 18 23)

32 18 23 39-0001		Synthetic Running Track Surfacing And Striping (32 18 23 39)		
		Note: Includes labor, equipment and material required to install the task. Excludes asphalt base.		
32 18 23 39-0002	SY	Paved-In-Place Styrene-Butadiene Rubber (SBR) Or Ethylene Propylene Diene Monomer (EPDM) Rubber Granule Base Mat With Polyurethane Binder, Synthetic Running Track Surfacing	84.58	7.22
		<i>For Up To 4,000, Add</i>	21.30	
		<i>For >5,500, Deduct</i>	-6.70	
32 18 23 39-0003	SY	Paved-In-Place Styrene-Butadiene Rubber (SBR) Granule Base Mat With Polyurethane Binder Finished With A Textured And Pigmented Polyurethane And Ethylene Propylene Diene Monomer (EPDM) Rubber Structural Spray Coat, Synthetic Running Track Surfacing.....	106.42	7.22
		<i>For Up To 4,000, Add</i>	28.59	
		<i>For >5,500, Deduct</i>	-8.99	
		<i>For Custom Color Upgrade, Add</i>	7.76	
		<i>For Aliphatic Top Coating, Add</i>	14.70	
32 18 23 39-0004	SY	Paved-In-Place Ethylene Propylene Diene Monomer (EPDM) Rubber Granule Base Mat With Polyurethane Binder, Two-Component Polyurethane Sealer Layer And Two-Component Polyurethane Wearing Layer With Embedded Ethylene Propylene Diene Monomer (EPDM) Rubber, Synthetic Running Track Surfacing	174.40	7.22
		<i>For Up To 4,000, Add</i>	48.05	
		<i>For >5,500, Deduct</i>	-8.24	
		<i>For Custom Color Upgrade, Add</i>	10.57	
		<i>For Aliphatic Top Coating, Add</i>	19.63	
32 18 23 39-0005	SY	Full Pour Two-Component Polyurethane Track System With Embedded Ethylene Propylene Diene Monomer (EPDM) Rubber Surface, Synthetic Running Track Surfacing.....	226.58	7.22
		<i>For Up To 4,000, Add</i>	62.07	
		<i>For >5,500, Deduct</i>	-10.64	
		<i>For Custom Color Upgrade, Add</i>	13.83	
		<i>For Aliphatic Top Coating, Add</i>	20.22	
32 18 23 39-0006	SY	Latex Binder, Synthetic Running Track Surfacing.....	78.01	
		<i>For Up To 4,000, Add</i>	27.30	
		<i>For >5,500, Deduct</i>	-11.31	
32 18 23 39-0007	SY	Spray Retop Running Tracks.....	68.52	
		<i>For Up To 4,000, Add</i>	23.98	
		<i>For >5,500, Deduct</i>	-6.70	
32 18 23 39-0008	SY	Sandwich Retop Running Tracks.....	132.64	
		<i>For Up To 4,000, Add</i>	46.42	
		<i>For >5,500, Deduct</i>	-13.98	

32 18 23 53 Tennis Court Surfacing (32 18 23)

32 18 23 53-0001		Tennis Court Surfacing (32 18 23 53)		
		See CSI section 32 18 23 61-0000 for 100% acrylic tennis court surfacing.		
32 18 23 53-0002	SY	Tennis Court Bituminous Pavement, 2-1/2" Thick.....	30.86	

32 18 23 53-0003 Tennis Court Markings (32 18 23 53)

32 18 23 53-0004	EA	Paint Markings On Asphalt Tennis Court 2 Coats.....	554.41	
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32 18 23 56 Natural Tennis Court Surfacing (32 18 23)

32 18 23 56-0001	SY	Clay Tennis Court	42.17	
32 18 23 56-0002	SY	Tennis Court, Pulverized Natural Greenstone, Fast Dry	46.81	
		Note: Includes 4" base.		
32 18 23 56-0003	SY	Tennis Court, Rubber-Cork Base Resilient Pavement.....	21.19	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 18 23 56-0004	SY		Resurface Clay Tennis Court.....	12.70	
32 18 23 56-0005	SY		Resurface Tennis Court, Pulverized Natural Greenstone	10.88	
32 18 23 56-0006	SY		Resurface Tennis Court, Resilient Pavement	8.83	

32 18 23 61 Multi-Use, Tennis Court, Basketball Court Athletic Surfacing (32 18 23)

32 18 23 61-0001			100% Acrylic Athletic Surfacing System (Plexipave®) (32 18 23 61) Note: Excludes asphalt or concrete sub base and repairs of sub base.		
32 18 23 61-0002			Surface Preparation For Athletic Surfacing System (Plexipave®) (32 18 23 61-0001)		
32 18 23 61-0003	SY		100% Acrylic Resurfacer, Athletic Surfacing System (California Products Plexipave® Acrylic Resurfacer), Per Coat.....	1.79	
			Note: Includes ultra fine silica sand. Applied with rubber squeegee.		
32 18 23 61-0004	SY		Acid Etching Concrete Pre-Treatment For Plexipave® Athletic Surfacing System (California Products Plexipave® Concrete Preparer®), Per Coat	1.01	
			Note: For previously uncoated portland cement concrete. Applied with broom.		
32 18 23 61-0005	SY		Two-Part, Water Based Epoxy Primer For Plexipave® Athletic Surfacing System (California Products Plexipave® Ti-Coat®), Per Coat.....	2.62	
			Note: For new or uncoated portland cement concrete. Applied with a short nap phenolic roller.		
32 18 23 61-0006	SY		Up To 1/2" Thick, Acrylic Latex Patching Compound, Athletic Surfacing System (California Products Plexipave® Court Patch Binder), Per Coat	109.73	
			Note: For patching depressions and uneven texture in new or existing asphalt or concrete surfaces. Includes ultra fine silica sand and portland cement. Applied with trowel or metal screed.		

32 18 23 61-0007 Surface Coatings For Athletic Surfacing System (Plexipave®) (32 18 23 61-0001)

			Note: Standard color includes dark green, Florida green, light green, maroon, Sahara sand, brown, California red, and cape gray.		
32 18 23 61-0008	SY		100% Acrylic Emulsion Color Coating, Athletic Surfacing System (California Products Fortified Plexipave®), First Coat.....	4.17	
			Note: Includes ultra fine silica sand. Applied with rubber squeegee.		
			For Pacific Blue, Add	0.26	
			For US Open Blue, Add	0.90	
32 18 23 61-0009	SY		100% Acrylic Emulsion Color Coating, Athletic Surfacing System (California Products Fortified Plexipave®), Second Coat.....	3.30	
			Note: Includes ultra fine silica sand. Applied with rubber squeegee.		
			For Pacific Blue, Add	0.18	
			For US Open Blue, Add	0.64	
32 18 23 61-0010	SY		100% Acrylic Emulsion Color Coating, Athletic Surfacing System (California Products Fortified Plexipave®), Third Coat.....	2.82	
			Note: Price per coat for third or additional coats. Includes ultra fine silica sand. Applied with rubber squeegee.		
			For Pacific Blue, Add	0.14	
			For US Open Blue, Add	0.50	
32 18 23 61-0011	SY		Non-Textured, 100% Acrylic Emulsion Color Coating Finish, Athletic Surfacing System (California Products Plexipave® Plexichrome®), Per Coat.....	3.00	
			Note: Non-textured finish coat over Plexipave® for faster playing surfaces. Applied with rubber squeegee followed by wide hair-type push broom.		
			For Pacific Blue, Add	0.08	
			For US Open Or Australian Open Blue, Add	0.58	
			For Pro Purple, Add	1.51	

32 18 23 61-0012 Line Striping For Athletic Surfacing System (Plexipave®) (32 18 23 61-0001)

32 18 23 61-0013	SY		Tennis Or Basketball Court Line Striping For Athletic Surfacing System, Per SY Of Court (California Products Plexipave® Hi-Hide Plexicolor®).....	1.61	
			Note: Textured or non-textured highly reflective line marking paint.		

32 18 23 61-0014 Cushion Coatings For Athletic Surfacing System (Plexipave® Plexicushion®) (32 18 23 61-0001)

32 18 23 61-0015	SY		Resilient Latex Undercoating Base Coat, Athletic Surfacing System (California Products Plexipave® Plexicushion® Base Coat), First Coat	7.16	
			Note: Applied with rubber squeegee.		
32 18 23 61-0016	SY		Resilient Latex Undercoating Base Coat, Athletic Surfacing System (California Products Plexipave® Plexicushion® Base Coat), Second Coat	9.97	
			Note: Applied with rubber squeegee.		
32 18 23 61-0017	SY		Resilient Latex Undercoating Base Coat, Athletic Surfacing System (California Products Plexipave® Plexicushion® Base Coat), Third Coat	8.50	
			Note: Price per coat for third or additional coats. Applied with rubber squeegee.		
32 18 23 61-0018	SY		Resilient Latex Undercoating, Athletic Surfacing System (California Products Plexipave® Plexicushion®), First Coat.....	6.23	
			Note: Applied with rubber squeegee.		
32 18 23 61-0019	SY		Resilient Latex Undercoating, Athletic Surfacing System (California Products Plexipave® Plexicushion®), Second Coat.....	4.62	
			Note: Price per coat for second or additional coats. Applied with rubber squeegee.		

32 18 23 61-0020 Resurface Athletic Court (32 18 23 61)

			Note: Excludes asphalt or concrete sub base and repairs of sub base.		
32 18 23 61-0021	SY		Court Resurfacing System, 2 Coats Resurfacer, 2 Coats Color, And Sand (SealMaster)	2.74	

32 30 Site Improvements (32)

32 31 Fences and Gates (32 30)

32 31 11 Gate Operators (32 31)

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 31 11 00-0001		Gate Operators (32 31 11) Note: Excludes gates, electrical connections, access controls and concrete foundation.		
32 31 11 00-0002		Gate Operators (DKS™ DoorKing®) (32 31 11 00-0001)		
32 31 11 00-0003		Swing Gate Actuator (DKS™ DoorKing®) (32 31 11 00-0002)		
32 31 11 00-0004		Single Gate, Swing Gate Actuator (32 31 11 00-0003)		
32 31 11 00-0005	EA	Up To 10' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Actuator (DKS™ DoorKing® 6003) Note: Includes one primary operator with a 10' wide gate capacity.	1,994.15	224.34
32 31 11 00-0006	EA	Up To 14' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Actuator (DKS™ DoorKing® 6002) Note: Includes one primary operator with a 14' wide gate capacity.	2,663.86	224.34
32 31 11 00-0007		Dual Gate, Swing Gate Actuator (32 31 11 00-0003)		
32 31 11 00-0008	EA	Up To 10' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Actuator (DKS™ DoorKing® 6003) Note: Includes one primary and one secondary operator each with a 10' wide gate capacity.	3,988.31	448.67
32 31 11 00-0009	EA	Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Actuator (DKS™ DoorKing® 6002) Note: Includes one primary and one secondary operator each with a 14' wide gate capacity.	5,327.73	448.67
32 31 11 00-0010		Swing Gate Operators (DKS™ DoorKing®) (32 31 11 00-0002)		
32 31 11 00-0011		Single Gate, Swing Gate Operators (32 31 11 00-0010)		
32 31 11 00-0012	EA	400 Lb. Capacity, Up To 10' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6050) Note: Includes one primary operator with a 10' wide and 400 Lb. gate capacity.	4,089.13	224.34
32 31 11 00-0013	EA	500 Lb. Capacity, Up To 14' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6100) Note: Includes one primary operator with a 14' wide and 500 Lb. gate capacity.	4,449.75	224.34
32 31 11 00-0014	EA	700 Lb. Capacity, Up To 18' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6500) Note: Includes one primary operator with an 18' wide and 700 Lb. gate capacity.	6,046.74	224.34
		<i>For 208/230/460 Volt AC, Add</i>	322.50	
32 31 11 00-0015	EA	800 Lb. Capacity, Up To 22' Wide Gate, 1 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6500) Note: Includes one primary operator with a 22' wide and 800 Lb. gate capacity.	6,853.83	224.34
		<i>For 208/230/460 Volt AC, Add</i>	322.50	
32 31 11 00-0016		Dual Gate, Swing Gate Operators (32 31 11 00-0010)		
32 31 11 00-0017	EA	400 Lb. Capacity, Up To 10' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6050) Note: Includes one primary and one secondary operator each with a 10' wide and 400 Lb. gate capacity.	7,233.82	448.67
32 31 11 00-0018	EA	500 Lb. Capacity, Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6100) Note: Includes one primary and one secondary operator each with a 14' wide and 500 Lb. gate capacity.	7,955.04	448.67
32 31 11 00-0019	EA	700 Lb. Capacity, Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6500) Note: Includes one primary and one secondary operator each with an 18' wide and 700 Lb. gate capacity.	11,131.86	448.67
		<i>For 208/230/460 Volt AC, Add</i>	322.50	
32 31 11 00-0020	EA	800 Lb. Capacity, Up To 22' Wide Gates, 1 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6500) Note: Includes one primary and one secondary operator each with a 22' wide and 800 Lb. gate capacity.	12,900.58	448.67
		<i>For 208/230/460 Volt AC, Add</i>	322.50	
32 31 11 00-0021		Sliding Gate Operators (DKS™ DoorKing®) (32 31 11 00-0002) Note: Includes 20' of chain. See CSI section 32 31 11 00-0030 for additional chain over 20'.		
32 31 11 00-0022	EA	300 Lb. Capacity, Up To 16' Wide Gate, 1/2 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9050) Note: Includes operator, chain brackets, hardware and 20' of #41 chain.	1,907.68	224.34
32 31 11 00-0023	EA	1,000 Lb. Capacity, Up To 30' Wide Gate, 1/2 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9100) Note: Includes operator, chain brackets, hardware and 20' of #41 chain.	2,660.61	269.20
32 31 11 00-0024	EA	1,500 Lb. Capacity, Up To 45' Wide Gate, 1 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9150) Note: Includes operator, chain brackets, hardware and 20' of #40 chain.	3,279.59	269.20
32 31 11 00-0025	EA	3,000 Lb. Capacity, Up To 100' Wide Gate, 1 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9210) Note: Includes operator, chain brackets, hardware and 20' of #50 chain.	4,275.67	314.07
32 31 11 00-0026	EA	2,000 Lb. Capacity, Up To 100' Wide Gate, 1 HP Motor, 208/230 Volt AC, Variable Speed, Sliding Gate Operator (DKS™ DoorKing® 9220) Note: Includes operator, chain brackets, hardware and 20' of #50 chain.	5,230.66	314.07
32 31 11 00-0027	EA	5,000 Lb. Capacity, Up To 100' Wide Gate, 3 HP Motor, 208/230 Volt AC, Variable Speed, Sliding Gate Operator (DKS™ DoorKing® 9230) Note: Includes operator, chain brackets, hardware and 20' of #60 chain.	7,124.27	358.94
32 31 11 00-0028	EA	5,000 Lb. Capacity, Up To 100' Wide Gate, 3 HP Motor, 208/230 Volt AC, High Speed, Sliding Gate Operator (DKS™ DoorKing® 9530) Note: Includes operator, chain brackets, hardware and 20' of #60 chain.	11,859.43	358.94
32 31 11 00-0029	EA	10,000 Lb. Capacity, Up To 160' Wide Gate, 5 HP Motor, 208/230 Volt AC, High Speed, Sliding Gate Operator (DKS™ DoorKing® 9550) Note: Includes operator, chain brackets, hardware and 20' of #60 chain.	20,066.57	403.81
32 31 11 00-0030		Accessories For Gate Actuators And Operators (DKS™ DoorKing®) (32 31 11 00-0002)		
32 31 11 00-0031	EA	Single Channel Detector Loop For Gate Actuators And Operators (DKS™ DoorKing® 9410)	656.65	
32 31 11 00-0032	EA	Two Channel Detector Loop For Gate Actuators And Operators (DKS™ DoorKing® 9409)	1,277.24	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 11 00-0033	EA		Heater Kit For Gate Actuators And Operators (DKS™ DoorKing® 1601).....	866.35	
32 31 11 00-0034	EA		Photoelectric Eye For Gate Actuators And Operators (DKS™ DoorKing® 8080-031)	938.91	
32 31 11 00-0035	EA		Reversing Edge Sensor For Gate Actuators And Operators (DKS™ DoorKing® 8080-020).....	835.88	
32 31 11 00-0036	EA		Post Mount Base Plate For Gate Actuators And Operators (DKS™ DoorKing® 9310)	586.88	
32 31 11 00-0037	LF		#40 Chain For Sliding Gate Operators.....	5.96	
32 31 11 00-0038	LF		#41 Chain For Sliding Gate Operators.....	6.22	
32 31 11 00-0039	LF		#50 Chain For Sliding Gate Operators.....	7.94	
32 31 11 00-0040	LF		#60 Chain For Sliding Gate Operators.....	12.19	
32 31 11 00-0041	EA		Exterior Keypad Gate Operator (Linear AK-11)	730.23	146.96
32 31 11 00-0042 Sliding Gate Operator (LiftMaster) (32 31 11 00-0001)					
32 31 11 00-0043	EA		Up To 1,500 Lb. Capacity, 120/230 Volt, Single Phase, Sliding Gate Operator With 24 Volt DC Motor (Liftmaster® CSL24U).....	2,859.71	275.45
			Note: Includes 30' Chain, Retro-Reflective Photoelectric Sensor and Reflector Hoods (LMRRUL) and 5' Resistive Safety Edge (S505AL).		
			For Monitored Wireless Edge Receiver And Transmitter Option (Liftmaster LMWEKITU), Add	191.03	
			For Plug-In Loop Detector Option (Liftmaster LOOPDETL), Add	136.74	
			For LED Strobe Light With Siren (Liftmaster SL-1301-SAQ), Add	67.34	
			For 10 Watt Solar Panel (Liftmaster SP10W12V), Add	270.67	
			For Each Additional 10' Chain, Add	40.54	
32 31 13 Chain Link Fences and Gates (32 31)					
32 31 13 13 Chain Link Fences and Gates (32 31 13)					
32 31 13 13-0001			Post Holes (32 31 13 13)		
			Note: Excludes spreading of excess material on site or loading and removal of excavated material from site. See CSI section 02 41 19 13-0025 for core drilling in concrete, 02 41 19 13-0163 for core drilling in asphalt.		
32 31 13 13-0002			Auger By Machine Fence Post Hole In Soil (32 31 13 13-0001)		
32 31 13 13-0003	VLF		Up To 2-1/2" Diameter Hole, Auger By Machine Fence Post Hole In Soil	9.73	
32 31 13 13-0004	VLF		2-1/2" Diameter Hole, Auger By Machine Fence Post Hole In Soil	10.94	
32 31 13 13-0005	VLF		3" Diameter Hole, Auger By Machine Fence Post Hole In Soil	12.97	
32 31 13 13-0006	VLF		4" Diameter Hole, Auger By Machine Fence Post Hole In Soil	14.59	
32 31 13 13-0007	VLF		6" Diameter Hole, Auger By Machine Fence Post Hole In Soil	15.92	
32 31 13 13-0008	VLF		8" Diameter Hole, Auger By Machine Fence Post Hole In Soil	17.51	
32 31 13 13-0009	VLF		10" Diameter Hole, Auger By Machine Fence Post Hole In Soil	19.46	
32 31 13 13-0010	VLF		12" Diameter Hole, Auger By Machine Fence Post Hole In Soil	21.89	
32 31 13 13-0011	VLF		18" Diameter Hole, Auger By Machine Fence Post Hole In Soil	25.01	
32 31 13 13-0012	VLF		24" Diameter Hole, Auger By Machine Fence Post Hole In Soil	29.19	
32 31 13 13-0013	VLF		30" Diameter Hole, Auger By Machine Fence Post Hole In Soil	35.03	
32 31 13 13-0014	VLF		36" Diameter Hole, Auger By Machine Fence Post Hole In Soil	43.78	
32 31 13 13-0015			Post Hole In Rock (32 31 13 13-0001)		
32 31 13 13-0016	CF		Jackhammer Post Hole In Rock.....	75.10	
32 31 13 13-0017	CF		Rock Drill Post Hole In Rock.....	20.21	
32 31 13 13-0018			Fill For Post Holes (32 31 13 13-0001)		
32 31 13 13-0019			Concrete Fill For Post Holes (32 31 13 13-0018)		
32 31 13 13-0020	VLF		Up To 2-1/2" Diameter, Concrete Fill For Post Hole	5.81	
32 31 13 13-0021	VLF		2-1/2" Diameter, Concrete Fill For Post Hole	7.47	
32 31 13 13-0022	VLF		3" Diameter, Concrete Fill For Post Hole	8.20	
32 31 13 13-0023	VLF		4" Diameter, Concrete Fill For Post Hole	9.39	
32 31 13 13-0024	VLF		6" Diameter, Concrete Fill For Post Hole	13.22	
32 31 13 13-0025	VLF		8" Diameter, Concrete Fill For Post Hole	17.64	
32 31 13 13-0026	VLF		10" Diameter, Concrete Fill For Post Hole	21.56	
32 31 13 13-0027	VLF		12" Diameter, Concrete Fill For Post Hole	25.12	
32 31 13 13-0028	VLF		18" Diameter, Concrete Fill For Post Hole	34.11	
32 31 13 13-0029	VLF		24" Diameter, Concrete Fill For Post Hole	42.22	
32 31 13 13-0030	VLF		30" Diameter, Concrete Fill For Post Hole	50.09	
32 31 13 13-0031	VLF		36" Diameter, Concrete Fill For Post Hole	58.27	
32 31 13 13-0032			Grout Fill For Post Holes (32 31 13 13-0018)		
32 31 13 13-0033	VLF		Up To 2-1/2" Diameter, Grout Fill For Post Hole.....	6.92	
32 31 13 13-0034	VLF		2-1/2" Diameter, Grout Fill For Post Hole	8.91	
32 31 13 13-0035	VLF		3" Diameter, Grout Fill For Post Hole.....	9.68	
32 31 13 13-0036	VLF		4" Diameter, Grout Fill For Post Hole.....	10.85	
32 31 13 13-0037	VLF		6" Diameter, Grout Fill For Post Hole.....	15.12	
32 31 13 13-0038	VLF		8" Diameter, Grout Fill For Post Hole.....	20.19	
32 31 13 13-0039	VLF		10" Diameter, Grout Fill For Post Hole.....	24.59	
32 31 13 13-0040	VLF		12" Diameter, Grout Fill For Post Hole.....	28.52	
32 31 13 13-0041	VLF		18" Diameter, Grout Fill For Post Hole.....	38.01	
32 31 13 13-0042	VLF		24" Diameter, Grout Fill For Post Hole.....	46.32	
32 31 13 13-0043	VLF		30" Diameter, Grout Fill For Post Hole.....	54.35	
32 31 13 13-0044	VLF		36" Diameter, Grout Fill For Post Hole.....	62.56	
32 31 13 13-0045			Compacted Earth Fill For Post Holes (32 31 13 13-0018)		
32 31 13 13-0046	VLF		Up To 2-1/2" Diameter, Compacted Earth Fill For Post Hole.....	4.99	
32 31 13 13-0047	VLF		2-1/2" Diameter, Compacted Earth Fill For Post Hole.....	6.50	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 31 13 13-0048	VLF	3" Diameter, Compacted Earth Fill For Post Hole.....	6.79	
32 31 13 13-0049	VLF	4" Diameter, Compacted Earth Fill For Post Hole.....	6.99	
32 31 13 13-0050	VLF	6" Diameter, Compacted Earth Fill For Post Hole.....	9.34	
32 31 13 13-0051	VLF	8" Diameter, Compacted Earth Fill For Post Hole.....	12.46	
32 31 13 13-0052	VLF	10" Diameter, Compacted Earth Fill For Post Hole.....	14.95	
32 31 13 13-0053	VLF	12" Diameter, Compacted Earth Fill For Post Hole.....	16.95	
32 31 13 13-0054	VLF	18" Diameter, Compacted Earth Fill For Post Hole.....	20.66	
32 31 13 13-0055	VLF	24" Diameter, Compacted Earth Fill For Post Hole.....	23.18	
32 31 13 13-0056	VLF	30" Diameter, Compacted Earth Fill For Post Hole.....	25.42	
32 31 13 13-0057	VLF	36" Diameter, Compacted Earth Fill For Post Hole.....	27.42	

32 31 13 13-0058 Fence Posts (32 31 13 13)

Note: Demolition excludes concrete footing removal on posts and excavation. See CSI section 31 23 16 36-0009 for hand excavation for footing removal (where required), 32 31 13 13-0001 for drilling for augering holes and backfill.

32 31 13 13-0059 Fence Posts (32 31 13 13-0058)**32 31 13 13-0060 1-7/8" H-Beam Post Without Top Rail Fitting, Galvanized Steel** (32 31 13 13-0059)

Note: Includes cap and accessories.

32 31 13 13-0061	LF	1-7/8" Galvanized H-beam Post, Up To 6' In Length	21.09	3.38
		For Each Top Rail Fitting, Add	0.85	
32 31 13 13-0062	LF	1-7/8" Galvanized H-beam Post, 7' To 10' In Length	20.12	2.88
		For Each Top Rail Fitting, Add	0.85	
32 31 13 13-0063	LF	1-7/8" Galvanized H-beam Post, 11' To 15' In Length	18.95	2.38
		For Each Top Rail Fitting, Add	0.85	
32 31 13 13-0064	LF	1-7/8" Galvanized H-beam Post, 16' To 20' In Length	18.01	1.88
		For Each Top Rail Fitting, Add	0.85	
32 31 13 13-0065	LF	1-7/8" Galvanized H-beam Post, 21' To 24' In Length	17.38	1.63
		For Each Top Rail Fitting, Add	0.85	
32 31 13 13-0066	LF	1-7/8" Galvanized H-beam Post, >24' In Length	16.40	1.13
		For Each Top Rail Fitting, Add	0.85	

32 31 13 13-0067 Post Without Top Rail Fitting, Galvanized Steel (1.66" Nominal) (32 31 13 13-0059)

Note: 1-5/8" outside diameter, Schedule 40. Includes cap and accessories.

32 31 13 13-0068	LF	Up To 6' In Length, 1-5/8" Outside Diameter Galvanized Steel Post	14.53	3.13
		For Each Top Rail Fitting, Add	0.85	
		For Each Single Barbed Wire Arm, Add	1.90	
		For Each Double Barbed Wire Arm, Add	3.40	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	2.07	
		For Vinyl Coated, Add	4.96	
		For Powder Coated, Add	6.62	
		For Aluminum Coated, Add	10.34	
		For Schedule 20, Deduct	-1.65	
		For Schedule 80, Add	4.60	
32 31 13 13-0069	LF	7' To 10' In Length, 1-5/8" Outside Diameter Galvanized Steel Post	13.45	2.63
		For Each Top Rail Fitting, Add	0.85	
		For Each Single Barbed Wire Arm, Add	1.90	
		For Each Double Barbed Wire Arm, Add	3.40	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	2.04	
		For Vinyl Coated, Add	4.89	
		For Powder Coated, Add	6.52	
		For Aluminum Coated, Add	10.19	
		For Schedule 20, Deduct	-1.63	
		For Schedule 80, Add	4.44	
32 31 13 13-0070	LF	11' To 15' In Length, 1-5/8" Outside Diameter Galvanized Steel Post	12.32	2.13
		For Each Top Rail Fitting, Add	0.85	
		For Each Single Barbed Wire Arm, Add	1.90	
		For Each Double Barbed Wire Arm, Add	3.40	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	2.02	
		For Vinyl Coated, Add	4.85	
		For Powder Coated, Add	6.47	
		For Aluminum Coated, Add	10.11	
		For Schedule 20, Deduct	-1.62	
		For Schedule 80, Add	4.31	
32 31 13 13-0071	LF	16' To 20' In Length, 1-5/8" Outside Diameter Galvanized Steel Post	11.45	1.63
		For Each Top Rail Fitting, Add	0.85	
		For Each Single Barbed Wire Arm, Add	1.90	
		For Each Double Barbed Wire Arm, Add	3.40	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	2.02	
		For Vinyl Coated, Add	4.84	
		For Powder Coated, Add	6.45	
		For Aluminum Coated, Add	10.08	
		For Schedule 20, Deduct	-1.61	
		For Schedule 80, Add	4.21	
32 31 13 13-0072	LF	21' To 24' In Length, 1-5/8" Outside Diameter Galvanized Steel Post	10.88	1.38
		For Each Top Rail Fitting, Add	0.85	
		For Each Single Barbed Wire Arm, Add	1.90	
		For Each Double Barbed Wire Arm, Add	3.40	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	2.01	
		For Vinyl Coated, Add	4.83	
		For Powder Coated, Add	6.44	
		For Aluminum Coated, Add	10.06	
		For Schedule 20, Deduct	-1.61	
		For Schedule 80, Add	4.15	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0073	LF		>24' In Length, 1-5/8" Outside Diameter Galvanized Steel Post.....	10.26	1.13
			For Each Top Rail Fitting, Add	0.85	
			For Each Single Barbed Wire Arm, Add	1.90	
			For Each Double Barbed Wire Arm, Add	3.40	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	2.01	
			For Vinyl Coated, Add	4.83	
			For Powder Coated, Add	6.44	
			For Aluminum Coated, Add	10.06	
			For Schedule 20, Deduct	-1.61	
			For Schedule 80, Add	4.09	
32 31 13 13-0074			Post Without Top Rail Fitting, Galvanized Steel (1.90" Nominal) (32 31 13 13-0059)		
			Note: 2" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0075	LF		2" Outside Diameter Galvanized Steel Post, Up To 6' In Length	16.59	3.26
			For Each Top Rail Fitting, Add	1.35	
			For Each Single Barbed Wire Arm, Add	2.65	
			For Each Double Barbed Wire Arm, Add	4.88	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	2.53	
			For Vinyl Coated, Add	6.07	
			For Powder Coated, Add	8.09	
			For Aluminum Coated, Add	12.64	
			For Schedule 20, Deduct	-2.02	
			For Schedule 80, Add	5.50	
32 31 13 13-0076	LF		2" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	15.58	2.76
			For Each Top Rail Fitting, Add	1.35	
			For Each Single Barbed Wire Arm, Add	2.65	
			For Each Double Barbed Wire Arm, Add	4.88	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	2.49	
			For Vinyl Coated, Add	5.98	
			For Powder Coated, Add	7.98	
			For Aluminum Coated, Add	12.46	
			For Schedule 20, Deduct	-1.99	
			For Schedule 80, Add	5.35	
32 31 13 13-0077	LF		2" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	14.37	2.26
			For Each Top Rail Fitting, Add	1.35	
			For Each Single Barbed Wire Arm, Add	2.65	
			For Each Double Barbed Wire Arm, Add	4.88	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	2.47	
			For Vinyl Coated, Add	5.93	
			For Powder Coated, Add	7.91	
			For Aluminum Coated, Add	12.36	
			For Schedule 20, Deduct	-1.98	
			For Schedule 80, Add	5.20	
32 31 13 13-0078	LF		2" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	13.43	1.75
			For Each Top Rail Fitting, Add	1.35	
			For Each Single Barbed Wire Arm, Add	2.65	
			For Each Double Barbed Wire Arm, Add	4.88	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	2.46	
			For Vinyl Coated, Add	5.91	
			For Powder Coated, Add	7.88	
			For Aluminum Coated, Add	12.31	
			For Schedule 20, Deduct	-1.97	
			For Schedule 80, Add	5.09	
32 31 13 13-0079	LF		2" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	12.82	1.50
			For Each Top Rail Fitting, Add	1.35	
			For Each Single Barbed Wire Arm, Add	2.65	
			For Each Double Barbed Wire Arm, Add	4.88	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	2.46	
			For Vinyl Coated, Add	5.90	
			For Powder Coated, Add	7.87	
			For Aluminum Coated, Add	12.30	
			For Schedule 20, Deduct	-1.97	
			For Schedule 80, Add	5.02	
32 31 13 13-0080	LF		2" Outside Diameter Galvanized Steel Post, >24' In Length.....	12.26	1.25
			For Each Top Rail Fitting, Add	1.35	
			For Each Single Barbed Wire Arm, Add	2.65	
			For Each Double Barbed Wire Arm, Add	4.88	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	2.46	
			For Vinyl Coated, Add	5.90	
			For Powder Coated, Add	7.86	
			For Aluminum Coated, Add	12.29	
			For Schedule 20, Deduct	-1.97	
			For Schedule 80, Add	4.96	
32 31 13 13-0081			Post Without Top Rail Fitting, Galvanized Steel (2.375" Nominal) (32 31 13 13-0059)		
			Note: 2-1/2" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0082	LF		2-1/2" Outside Diameter Galvanized Steel Post, Up To 6' In Length	20.21	3.51
			For Each Top Rail Fitting, Add	1.35	
			For Each Single Barbed Wire Arm, Add	2.65	
			For Each Double Barbed Wire Arm, Add	4.88	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	3.34	
			For Vinyl Coated, Add	8.02	
			For Powder Coated, Add	10.70	
			For Aluminum Coated, Add	16.71	
			For Schedule 20, Deduct	-2.67	
			For Schedule 80, Add	7.10	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 31 13 13-0083	LF	2-1/2" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	19.07	3.01
		For Each Top Rail Fitting, Add	1.35	
		For Each Single Barbed Wire Arm, Add	2.65	
		For Each Double Barbed Wire Arm, Add	4.88	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	3.30	
		For Vinyl Coated, Add	7.92	
		For Powder Coated, Add	10.56	
		For Aluminum Coated, Add	16.50	
		For Schedule 20, Deduct	-2.64	
		For Schedule 80, Add	6.92	
32 31 13 13-0084	LF	2-1/2" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	17.81	2.38
		For Each Top Rail Fitting, Add	1.35	
		For Each Single Barbed Wire Arm, Add	2.65	
		For Each Double Barbed Wire Arm, Add	4.88	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	3.28	
		For Vinyl Coated, Add	7.87	
		For Powder Coated, Add	10.49	
		For Aluminum Coated, Add	16.39	
		For Schedule 20, Deduct	-2.62	
		For Schedule 80, Add	6.76	
32 31 13 13-0085	LF	2-1/2" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	16.83	1.88
		For Each Top Rail Fitting, Add	1.35	
		For Each Single Barbed Wire Arm, Add	2.65	
		For Each Double Barbed Wire Arm, Add	4.88	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	3.27	
		For Vinyl Coated, Add	7.84	
		For Powder Coated, Add	10.46	
		For Aluminum Coated, Add	16.34	
		For Schedule 20, Deduct	-2.61	
		For Schedule 80, Add	6.65	
32 31 13 13-0086	LF	2-1/2" Outside Diameter Galvanized Steel Post, 21 To 24' In Length	16.18	1.63
		For Each Top Rail Fitting, Add	1.35	
		For Each Single Barbed Wire Arm, Add	2.65	
		For Each Double Barbed Wire Arm, Add	4.88	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	3.26	
		For Vinyl Coated, Add	7.83	
		For Powder Coated, Add	10.44	
		For Aluminum Coated, Add	16.31	
		For Schedule 20, Deduct	-2.61	
		For Schedule 80, Add	6.58	
32 31 13 13-0087	LF	2-1/2" Outside Diameter Galvanized Steel Post, >24' In Length	15.59	1.25
		For Each Top Rail Fitting, Add	1.35	
		For Each Single Barbed Wire Arm, Add	2.65	
		For Each Double Barbed Wire Arm, Add	4.88	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	3.26	
		For Vinyl Coated, Add	7.83	
		For Powder Coated, Add	10.44	
		For Aluminum Coated, Add	16.31	
		For Schedule 20, Deduct	-2.61	
		For Schedule 80, Add	6.52	

32 31 13 13-0088 Post Without Top Rail Fitting, Galvanized Steel (2.875" Nominal)
(32 31 13 13-0059)

Note: 3" outside diameter, Schedule 40. Includes cap and accessories.

32 31 13 13-0089	LF	3" Outside Diameter Galvanized Steel Post, Up To 6' In Length	27.75	3.76
		For Each Top Rail Fitting, Add	1.85	
		For Each Single Barbed Wire Arm, Add	3.85	
		For Each Double Barbed Wire Arm, Add	7.05	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	5.06	
		For Vinyl Coated, Add	12.14	
		For Powder Coated, Add	16.18	
		For Aluminum Coated, Add	25.29	
		For Schedule 20, Deduct	-4.05	
		For Schedule 80, Add	10.46	
32 31 13 13-0090	LF	3" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	26.36	3.26
		For Each Top Rail Fitting, Add	1.85	
		For Each Single Barbed Wire Arm, Add	3.85	
		For Each Double Barbed Wire Arm, Add	7.05	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	4.97	
		For Vinyl Coated, Add	11.93	
		For Powder Coated, Add	15.90	
		For Aluminum Coated, Add	24.85	
		For Schedule 20, Deduct	-3.98	
		For Schedule 80, Add	10.19	
32 31 13 13-0091	LF	3" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	24.92	2.63
		For Each Top Rail Fitting, Add	1.85	
		For Each Single Barbed Wire Arm, Add	3.85	
		For Each Double Barbed Wire Arm, Add	7.05	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	4.93	
		For Vinyl Coated, Add	11.82	
		For Powder Coated, Add	15.76	
		For Aluminum Coated, Add	24.63	
		For Schedule 20, Deduct	-3.94	
		For Schedule 80, Add	9.98	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0092	LF		3" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	23.80	2.13
			For Each Top Rail Fitting, Add	1.85	
			For Each Single Barbed Wire Arm, Add	3.85	
			For Each Double Barbed Wire Arm, Add	7.05	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	4.91	
			For Vinyl Coated, Add	11.77	
			For Powder Coated, Add	15.70	
			For Aluminum Coated, Add	24.53	
			For Schedule 20, Deduct	-3.92	
			For Schedule 80, Add	9.84	
32 31 13 13-0093	LF		3" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	23.05	1.75
			For Each Top Rail Fitting, Add	1.85	
			For Each Single Barbed Wire Arm, Add	3.85	
			For Each Double Barbed Wire Arm, Add	7.05	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	4.89	
			For Vinyl Coated, Add	11.74	
			For Powder Coated, Add	15.66	
			For Aluminum Coated, Add	24.46	
			For Schedule 20, Deduct	-3.91	
			For Schedule 80, Add	9.74	
32 31 13 13-0094	LF		3" Outside Diameter Galvanized Steel Post, >24' In Length	22.39	1.38
			For Each Top Rail Fitting, Add	1.85	
			For Each Single Barbed Wire Arm, Add	3.85	
			For Each Double Barbed Wire Arm, Add	7.05	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	4.89	
			For Vinyl Coated, Add	11.74	
			For Powder Coated, Add	15.65	
			For Aluminum Coated, Add	24.45	
			For Schedule 20, Deduct	-3.91	
			For Schedule 80, Add	9.67	
32 31 13 13-0095 Post Without Top Rail Fitting, Galvanized Steel, (4.00" Nominal) (32 31 13 13-0059)					
Note: 4" outside diameter, Schedule 40. Includes cap and accessories.					
32 31 13 13-0096	LF		4" Outside Diameter Galvanized Steel Post, Up To 6' In Length	40.95	4.01
			For Each Top Rail Fitting, Add	2.60	
			For Each Single Barbed Wire Arm, Add	5.10	
			For Each Double Barbed Wire Arm, Add	11.25	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	8.26	
			For Vinyl Coated, Add	19.82	
			For Powder Coated, Add	26.42	
			For Aluminum Coated, Add	41.29	
			For Schedule 20, Deduct	-6.61	
			For Schedule 80, Add	16.65	
32 31 13 13-0097	LF		4" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	39.00	3.26
			For Each Top Rail Fitting, Add	2.60	
			For Each Single Barbed Wire Arm, Add	5.10	
			For Each Double Barbed Wire Arm, Add	11.25	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	8.10	
			For Vinyl Coated, Add	19.44	
			For Powder Coated, Add	25.92	
			For Aluminum Coated, Add	40.50	
			For Schedule 20, Deduct	-6.48	
			For Schedule 80, Add	16.21	
32 31 13 13-0098	LF		4" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	37.58	2.76
			For Each Top Rail Fitting, Add	2.60	
			For Each Single Barbed Wire Arm, Add	5.10	
			For Each Double Barbed Wire Arm, Add	11.25	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	8.02	
			For Vinyl Coated, Add	19.25	
			For Powder Coated, Add	25.66	
			For Aluminum Coated, Add	40.10	
			For Schedule 20, Deduct	-6.42	
			For Schedule 80, Add	15.95	
32 31 13 13-0099	LF		4" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	36.32	2.26
			For Each Top Rail Fitting, Add	2.60	
			For Each Single Barbed Wire Arm, Add	5.10	
			For Each Double Barbed Wire Arm, Add	11.25	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	7.98	
			For Vinyl Coated, Add	19.15	
			For Powder Coated, Add	25.54	
			For Aluminum Coated, Add	39.90	
			For Schedule 20, Deduct	-6.38	
			For Schedule 80, Add	15.76	
32 31 13 13-0100	LF		4" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	36.25	2.26
			For Each Top Rail Fitting, Add	2.60	
			For Each Single Barbed Wire Arm, Add	5.10	
			For Each Double Barbed Wire Arm, Add	11.25	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	7.96	
			For Vinyl Coated, Add	19.11	
			For Powder Coated, Add	25.48	
			For Aluminum Coated, Add	39.81	
			For Schedule 20, Deduct	-6.37	
			For Schedule 80, Add	15.73	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 31 13 13-0101	LF	4" Outside Diameter Galvanized Steel Post, >24' In Length.....	34.96	1.63
		For Each Top Rail Fitting, Add	2.60	
		For Each Single Barbed Wire Arm, Add	5.10	
		For Each Double Barbed Wire Arm, Add	11.25	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	7.96	
		For Vinyl Coated, Add	19.10	
		For Powder Coated, Add	25.46	
		For Aluminum Coated, Add	39.79	
		For Schedule 20, Deduct	-6.37	
		For Schedule 80, Add	15.59	

32 31 13 13-0102 Post Without Top Rail Fitting, Galvanized Steel (6.625" Nominal) (32 31 13 13-0059)

Note: 6-5/8" outside diameter, Schedule 40. Includes cap and accessories.

32 31 13 13-0103	LF	6-5/8" Outside Diameter Galvanized Steel Post, Up To 6' In Length.....	81.46	4.39
		For Each Top Rail Fitting, Add	4.55	
		For Each Single Barbed Wire Arm, Add	7.15	
		For Each Double Barbed Wire Arm, Add	14.95	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	18.17	
		For Vinyl Coated, Add	43.60	
		For Powder Coated, Add	58.13	
		For Aluminum Coated, Add	90.83	
		For Schedule 20, Deduct	-14.53	
		For Schedule 80, Add	35.76	
32 31 13 13-0104	LF	6-5/8" Outside Diameter Galvanized Steel Post, 7' To 10' In Length.....	77.65	3.63
		For Each Top Rail Fitting, Add	4.55	
		For Each Single Barbed Wire Arm, Add	7.15	
		For Each Double Barbed Wire Arm, Add	14.95	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	17.57	
		For Vinyl Coated, Add	42.17	
		For Powder Coated, Add	56.22	
		For Aluminum Coated, Add	87.85	
		For Schedule 20, Deduct	-14.06	
		For Schedule 80, Add	34.47	
32 31 13 13-0105	LF	6-5/8" Outside Diameter Galvanized Steel Post, 11' To 15' In Length.....	75.19	3.01
		For Each Top Rail Fitting, Add	4.55	
		For Each Single Barbed Wire Arm, Add	7.15	
		For Each Double Barbed Wire Arm, Add	14.95	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	17.27	
		For Vinyl Coated, Add	41.45	
		For Powder Coated, Add	55.26	
		For Aluminum Coated, Add	86.35	
		For Schedule 20, Deduct	-13.82	
		For Schedule 80, Add	33.77	
32 31 13 13-0106	LF	6-5/8" Outside Diameter Galvanized Steel Post, 16' To 20' In Length.....	73.37	2.38
		For Each Top Rail Fitting, Add	4.55	
		For Each Single Barbed Wire Arm, Add	7.15	
		For Each Double Barbed Wire Arm, Add	14.95	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	17.12	
		For Vinyl Coated, Add	41.09	
		For Powder Coated, Add	54.79	
		For Aluminum Coated, Add	85.61	
		For Schedule 20, Deduct	-13.70	
		For Schedule 80, Add	33.36	
32 31 13 13-0107	LF	6-5/8" Outside Diameter Galvanized Steel Post, 21' To 24' In Length.....	72.37	2.13
		For Each Top Rail Fitting, Add	4.55	
		For Each Single Barbed Wire Arm, Add	7.15	
		For Each Double Barbed Wire Arm, Add	14.95	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	17.05	
		For Vinyl Coated, Add	40.91	
		For Powder Coated, Add	54.55	
		For Aluminum Coated, Add	85.24	
		For Schedule 20, Deduct	-13.64	
		For Schedule 80, Add	33.15	
32 31 13 13-0108	LF	6-5/8" Outside Diameter Galvanized Steel Post, >24' In Length.....	71.61	1.75
		For Each Top Rail Fitting, Add	4.55	
		For Each Single Barbed Wire Arm, Add	7.15	
		For Each Double Barbed Wire Arm, Add	14.95	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	17.03	
		For Vinyl Coated, Add	40.88	
		For Powder Coated, Add	54.50	
		For Aluminum Coated, Add	85.16	
		For Schedule 20, Deduct	-13.63	
		For Schedule 80, Add	33.05	

32 31 13 13-0109 Post Without Top Rail Fitting, Galvanized Steel (8.625" Nominal) (32 31 13 13-0059)

Note: 8-5/8" outside diameter, Schedule 40. Includes cap and accessories.

32 31 13 13-0110	LF	8-5/8" Outside Diameter Galvanized Steel Post, Up To 6' In Length.....	158.29	4.89
		For Each Top Rail Fitting, Add	7.50	
		For Each Single Barbed Wire Arm, Add	9.15	
		For Each Double Barbed Wire Arm, Add	18.95	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	37.13	
		For Vinyl Coated, Add	89.11	
		For Powder Coated, Add	118.82	
		For Aluminum Coated, Add	185.65	
		For Schedule 20, Deduct	-29.70	
		For Schedule 80, Add	72.27	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0111	LF		8-5/8" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	151.96	4.13
			For Each Top Rail Fitting, Add	7.50	
			For Each Single Barbed Wire Arm, Add	9.15	
			For Each Double Barbed Wire Arm, Add	18.95	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	35.95	
			For Vinyl Coated, Add	86.27	
			For Powder Coated, Add	115.02	
			For Aluminum Coated, Add	179.73	
			For Schedule 20, Deduct	-28.76	
			For Schedule 80, Add	69.83	
32 31 13 13-0112	LF		8-5/8" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	148.18	3.38
			For Each Top Rail Fitting, Add	7.50	
			For Each Single Barbed Wire Arm, Add	9.15	
			For Each Double Barbed Wire Arm, Add	18.95	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	35.35	
			For Vinyl Coated, Add	84.85	
			For Powder Coated, Add	113.13	
			For Aluminum Coated, Add	176.76	
			For Schedule 20, Deduct	-28.28	
			For Schedule 80, Add	68.55	
32 31 13 13-0113	LF		8-5/8" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	145.59	2.63
			For Each Top Rail Fitting, Add	7.50	
			For Each Single Barbed Wire Arm, Add	9.15	
			For Each Double Barbed Wire Arm, Add	18.95	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	35.06	
			For Vinyl Coated, Add	84.13	
			For Powder Coated, Add	112.18	
			For Aluminum Coated, Add	175.28	
			For Schedule 20, Deduct	-28.04	
			For Schedule 80, Add	67.64	
32 31 13 13-0114	LF		8-5/8" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	144.27	2.26
			For Each Top Rail Fitting, Add	7.50	
			For Each Single Barbed Wire Arm, Add	9.15	
			For Each Double Barbed Wire Arm, Add	18.95	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	34.91	
			For Vinyl Coated, Add	83.78	
			For Powder Coated, Add	111.70	
			For Aluminum Coated, Add	174.54	
			For Schedule 20, Deduct	-27.93	
			For Schedule 80, Add	67.49	
32 31 13 13-0115	LF		8-5/8" Outside Diameter Galvanized Steel Post, >24' In Length	143.39	1.88
			For Each Top Rail Fitting, Add	7.50	
			For Each Single Barbed Wire Arm, Add	9.15	
			For Each Double Barbed Wire Arm, Add	18.95	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	34.88	
			For Vinyl Coated, Add	83.71	
			For Powder Coated, Add	111.61	
			For Aluminum Coated, Add	174.39	
			For Schedule 20, Deduct	-27.90	
			For Schedule 80, Add	67.35	
32 31 13 13-0116			Driven Post Supports (32 31 13 13)		
			Note: OZ-Post.		
32 31 13 13-0117			Driven Post Support For Round Chain Link Fence Posts (32 31 13 13-0116)		
32 31 13 13-0118	EA		26" Driven Post Support For 1-5/8" Round Chain Link Fence Post	78.38	
			Note: OZ-Post GB-700.		
32 31 13 13-0119	EA		26" Driven Post Support For 1-7/8" To 2" Round Chain Link Fence Post	78.38	
			Note: OZ-Post HB-700.		
32 31 13 13-0120	EA		26" Driven Post Support For 2-3/8" To 2-1/2" Round Chain Link Fence Post	80.41	
			Note: OZ-Post IS-600.		
32 31 13 13-0121	EA		32" Driven Post Support For 2-3/8" To 2-1/2" Round Chain Link Fence Post	96.66	
			Note: OZ-Post ISW-850.		
32 31 13 13-0122			Driven Post Support For Square Ornamental Fence Posts (32 31 13 13-0116)		
32 31 13 13-0123	EA		34" Driven Post Support For 1-3/4" Square Ornamental Fence Post	90.57	
			Note: OZ-Post C175-850.		
32 31 13 13-0124	EA		24" Driven Post Support For 2" Square Ornamental Fence Post	87.52	
			Note: OZ-Post I2-600.		
32 31 13 13-0125	EA		34" Driven Post Support For 2" Square Ornamental Fence Post	91.18	
			Note: OZ-Post I2-850.		
32 31 13 13-0126	EA		34" Driven Post Support For 2-1/2" Square Ornamental Fence Post	96.66	
			Note: OZ-Post I25-850.		
32 31 13 13-0127	EA		34" Driven Post Support For 3" Square Ornamental Fence Post	96.66	
			Note: OZ-Post I3-850.		
32 31 13 13-0128			Driven Post Support For Wooden Fence Posts (32 31 13 13-0116)		
32 31 13 13-0129	EA		24" Driven Post Support For 3-1/2" Square Wooden Fence Post	89.21	
			Note: OZ-Post T4-600.		
32 31 13 13-0130	EA		34" Driven Post Support For 3-1/2" Square Wooden Fence Post	93.61	
			Note: OZ-Post T4-850.		
32 31 13 13-0131	EA		34" Driven Post Support For 3-3/4" Square Wooden Fence Post	100.73	
			Note: OZ-Post C4-850.		
32 31 13 13-0132	EA		34" Driven Post Support For 4" Square Wooden Fence Post	100.73	
			Note: OZ-Post P4-850.		
32 31 13 13-0133	EA		36" Driven Post Support For 4" x 6" Wooden Fence Post	113.94	
			Note: OZ-Post T46-850.		

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

 32 31 13 13-0134 EA 36" Driven Post Support For 6" Square Wooden Fence Post 123.28
 Note: OZ-Post T6-850.

32 31 13 13-0135 Driven Post Support For Vinyl Fence Posts (32 31 13 13-0116)

 32 31 13 13-0136 EA 24" Driven Post Support For 3-1/2" Square Vinyl Fence Post 89.21
 Note: OZ-Post T4-600.

 32 31 13 13-0137 EA 34" Driven Post Support For 3-1/2" Square Vinyl Fence Post 93.61
 Note: OZ-Post T4-850.

 32 31 13 13-0138 EA 34" Driven Post Support For 4" Square Vinyl Fence Post 100.73
 Note: OZ-Post P4-850.

 32 31 13 13-0139 EA 34" Driven Post Support For 5" Square Vinyl Fence Post 102.35
 Note: OZ-Post P4-850.

32 31 13 13-0140 Chain Link Fence Assemblies (32 31 13 13)

32 31 13 13-0141 Chain Link Fence Assembly With 2-1/2" Line Post And 3" Corner Posts (32 31 13 13-0140)

Note: Includes 2" 9 gauge coiled spring mesh (knuckled selvage), tension bars, post tension bands, wire ties, truss rod (at corners or posts), 1-5/8" top rail, 1-5/8" bottom rail, 2-1/2" line post and 3" corner posts. Posts exclude drilling or augering in soil or rock, concrete or soil fill. Heights indicated are from ground to top of installed pole. Minimum 2' bury with up to one third of exposed post height to be buried in ground. Excludes grounding. Demolition excludes concrete footing removal on posts and excavation. See CSI section 26 05 26 00-0000 for grounding, 31 23 16 36-0009 for hand excavation for footing removal (where required), 32 31 13 13-0673 for barb wire attachments.

32 31 13 13-0142 Galvanized (32 31 13 13-0141)

32 31 13 13-0143 LF 3' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post 41.11 4.26

 For Surface Mount On Concrete (Excludes Drilling And Anchors), Add 2.89
 For 13 Gauge Fabric, Deduct -8.48
 For 11 Gauge Fabric, Deduct -4.96
 For 6 Gauge Fabric, Add 7.79
 For 1" Mesh Fabric, Add 10.62
 For 1-3/4" Mesh Fabric, Add 4.25
 For 2-1/8" Mesh Fabric, Deduct -2.12
 For 2-3/8" Mesh Fabric, Deduct -2.83
 For Posts 8' On Centers, Add 2.26
 For Posts 5' On Centers, Add 8.49
 For Up To 100, Add 7.84
 For >100 To 250, Add 2.89
 For >2,500 To 5,000, Deduct -1.45
 For >5,000, Deduct -2.89
 For 3/8" Non-Climbable Mesh, Add 32.59

32 31 13 13-0144 LF 3'-6" Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post 42.72 4.26

 For Surface Mount On Concrete (Excludes Drilling And Anchors), Add 2.98
 For 13 Gauge Fabric, Deduct -8.95
 For 11 Gauge Fabric, Deduct -5.23
 For 6 Gauge Fabric, Add 8.22
 For 1" Mesh Fabric, Add 11.21
 For 1-3/4" Mesh Fabric, Add 4.48
 For 2-1/8" Mesh Fabric, Deduct -2.24
 For 2-3/8" Mesh Fabric, Deduct -2.99
 For Posts 8' On Centers, Add 2.34
 For Posts 5' On Centers, Add 8.79
 For Up To 100, Add 8.10
 For >100 To 250, Add 2.98
 For >2,500 To 5,000, Deduct -1.49
 For >5,000, Deduct -2.98
 For 3/8" Non-Climbable Mesh, Add 37.39

32 31 13 13-0145 LF 4' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post 44.15 4.26

 For Surface Mount On Concrete (Excludes Drilling And Anchors), Add 3.07
 For 13 Gauge Fabric, Deduct -9.35
 For 11 Gauge Fabric, Deduct -5.46
 For 6 Gauge Fabric, Add 8.59
 For 1" Mesh Fabric, Add 11.71
 For 1-3/4" Mesh Fabric, Add 4.68
 For 2-1/8" Mesh Fabric, Deduct -2.34
 For 2-3/8" Mesh Fabric, Deduct -3.12
 For Posts 8' On Centers, Add 2.41
 For Posts 5' On Centers, Add 9.07
 For Up To 100, Add 8.35
 For >100 To 250, Add 3.07
 For >2,500 To 5,000, Deduct -1.53
 For >5,000, Deduct -3.07
 For 3/8" Non-Climbable Mesh, Add 42.23

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0146	LF		5' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post <i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i> <i>For 13 Gauge Fabric, Deduct</i> <i>For 11 Gauge Fabric, Deduct</i> <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For 2-3/8" Mesh Fabric, Deduct</i> <i>For Posts 8' On Centers, Add</i> <i>For Posts 5' On Centers, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 250, Add</i> <i>For >2,500 To 5,000, Deduct</i> <i>For >5,000, Deduct</i> <i>For 3/8" Non-Climbable Mesh, Add</i>	47.47 3.26 -10.32 -6.03 9.47 12.92 5.17 -2.58 -3.44 2.59 9.70 8.90 3.26 -1.63 -3.26 51.31	4.26
32 31 13 13-0147	LF		6' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post <i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i> <i>For 13 Gauge Fabric, Deduct</i> <i>For 11 Gauge Fabric, Deduct</i> <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For 2-3/8" Mesh Fabric, Deduct</i> <i>For Posts 8' On Centers, Add</i> <i>For Posts 5' On Centers, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 250, Add</i> <i>For >2,500 To 5,000, Deduct</i> <i>For >5,000, Deduct</i> <i>For 3/8" Non-Climbable Mesh, Add</i>	51.41 3.52 -11.29 -6.59 10.36 14.13 5.65 -2.83 -3.77 2.80 10.48 9.60 3.52 -1.76 -3.52 60.44	4.26
32 31 13 13-0148	LF		7' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post <i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i> <i>For 13 Gauge Fabric, Deduct</i> <i>For 11 Gauge Fabric, Deduct</i> <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For 2-3/8" Mesh Fabric, Deduct</i> <i>For Posts 8' On Centers, Add</i> <i>For Posts 5' On Centers, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 250, Add</i> <i>For >2,500 To 5,000, Deduct</i> <i>For >5,000, Deduct</i> <i>For 3/8" Non-Climbable Mesh, Add</i>	53.35 3.65 -11.71 -6.84 10.75 14.66 5.86 -2.93 -3.91 2.90 10.88 9.97 3.65 -1.83 -3.65 69.72	6.39
32 31 13 13-0149	LF		8' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post <i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i> <i>For 13 Gauge Fabric, Deduct</i> <i>For 11 Gauge Fabric, Deduct</i> <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For 2-3/8" Mesh Fabric, Deduct</i> <i>For Posts 8' On Centers, Add</i> <i>For Posts 5' On Centers, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 250, Add</i> <i>For >2,500 To 5,000, Deduct</i> <i>For >5,000, Deduct</i> <i>For 3/8" Non-Climbable Mesh, Add</i>	60.52 4.07 -13.76 -8.04 12.63 17.23 6.89 -3.45 -4.59 3.28 12.25 11.17 4.07 -2.04 -4.07 79.09	7.46
32 31 13 13-0150	LF		9' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post <i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i> <i>For 13 Gauge Fabric, Deduct</i> <i>For 11 Gauge Fabric, Deduct</i> <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For 2-3/8" Mesh Fabric, Deduct</i> <i>For Posts 8' On Centers, Add</i> <i>For Posts 5' On Centers, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 250, Add</i> <i>For >2,500 To 5,000, Deduct</i> <i>For >5,000, Deduct</i> <i>For 3/8" Non-Climbable Mesh, Add</i>	64.53 4.32 -14.81 -8.65 13.60 18.54 7.42 -3.71 -4.94 3.49 13.04 11.87 4.32 -2.16 -4.32 87.24	9.59

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 31 13 13-0151	LF	10' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	68.56	10.66
		<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	4.57	
		<i>For 13 Gauge Fabric, Deduct</i>	-15.86	
		<i>For 11 Gauge Fabric, Deduct</i>	-9.27	
		<i>For 6 Gauge Fabric, Add</i>	14.56	
		<i>For 1" Mesh Fabric, Add</i>	19.86	
		<i>For 1-3/4" Mesh Fabric, Add</i>	7.94	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-3.97	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-5.30	
		<i>For Posts 8' On Centers, Add</i>	3.70	
		<i>For Posts 5' On Centers, Add</i>	13.83	
		<i>For Up To 100, Add</i>	12.58	
		<i>For >100 To 250, Add</i>	4.57	
		<i>For >2,500 To 5,000, Deduct</i>	-2.29	
		<i>For >5,000, Deduct</i>	-4.57	
		<i>For 3/8" Non-Climbable Mesh, Add</i>	95.67	
32 31 13 13-0152	LF	12' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	76.13	12.79
		<i>For Each Additional Foot >12, Add</i>	4.23	
		<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	5.05	
		<i>For 13 Gauge Fabric, Deduct</i>	-17.82	
		<i>For 11 Gauge Fabric, Deduct</i>	-10.41	
		<i>For 6 Gauge Fabric, Add</i>	16.36	
		<i>For 1" Mesh Fabric, Add</i>	22.31	
		<i>For 1-3/4" Mesh Fabric, Add</i>	8.92	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-4.46	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-5.95	
		<i>For Posts 8' On Centers, Add</i>	4.10	
		<i>For Posts 5' On Centers, Add</i>	15.32	
		<i>For Up To 100, Add</i>	13.90	
		<i>For >100 To 250, Add</i>	5.05	
		<i>For >2,500 To 5,000, Deduct</i>	-2.52	
		<i>For >5,000, Deduct</i>	-5.05	
		<i>For 3/8" Non-Climbable Mesh, Add</i>	103.77	
32 31 13 13-0153 Vinyl Coated (32 31 13 13-0141)				
32 31 13 13-0154	LF	4' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	45.71	4.26
		<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	4.27	
		<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	3.15	
		<i>For 13 Gauge Fabric, Deduct</i>	-9.90	
		<i>For 11 Gauge Fabric, Deduct</i>	-5.78	
		<i>For 6 Gauge Fabric, Add</i>	9.09	
		<i>For 1" Mesh Fabric, Add</i>	12.39	
		<i>For 1-3/4" Mesh Fabric, Add</i>	4.96	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.48	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-3.30	
		<i>For Posts 8' On Centers, Add</i>	2.49	
		<i>For Posts 5' On Centers, Add</i>	9.35	
		<i>For Up To 100, Add</i>	8.58	
		<i>For >100 To 250, Add</i>	3.15	
		<i>For >2,500 To 5,000, Deduct</i>	-1.57	
		<i>For >5,000, Deduct</i>	-3.15	
		<i>For 3/8" Non-Climbable Mesh, Add</i>	47.37	
32 31 13 13-0155	LF	5' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	49.44	4.26
		<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	4.75	
		<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	3.36	
		<i>For 13 Gauge Fabric, Deduct</i>	-11.00	
		<i>For 11 Gauge Fabric, Deduct</i>	-6.43	
		<i>For 6 Gauge Fabric, Add</i>	10.10	
		<i>For 1" Mesh Fabric, Add</i>	13.77	
		<i>For 1-3/4" Mesh Fabric, Add</i>	5.51	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.75	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-3.67	
		<i>For Posts 8' On Centers, Add</i>	2.69	
		<i>For Posts 5' On Centers, Add</i>	10.05	
		<i>For Up To 100, Add</i>	9.19	
		<i>For >100 To 250, Add</i>	3.36	
		<i>For >2,500 To 5,000, Deduct</i>	-1.68	
		<i>For >5,000, Deduct</i>	-3.36	
		<i>For 3/8" Non-Climbable Mesh, Add</i>	57.73	
32 31 13 13-0156	LF	6' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	55.42	4.26
		<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	5.47	
		<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	3.72	
		<i>For 13 Gauge Fabric, Deduct</i>	-12.68	
		<i>For 11 Gauge Fabric, Deduct</i>	-7.41	
		<i>For 6 Gauge Fabric, Add</i>	11.64	
		<i>For 1" Mesh Fabric, Add</i>	15.87	
		<i>For 1-3/4" Mesh Fabric, Add</i>	6.35	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-3.17	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-4.23	
		<i>For Posts 8' On Centers, Add</i>	3.00	
		<i>For Posts 5' On Centers, Add</i>	11.21	
		<i>For Up To 100, Add</i>	10.21	
		<i>For >100 To 250, Add</i>	3.72	
		<i>For >2,500 To 5,000, Deduct</i>	-1.86	
		<i>For >5,000, Deduct</i>	-3.72	
		<i>For 3/8" Non-Climbable Mesh, Add</i>	68.14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0157	LF		7' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post For Powder Coated Framework (Posts, Rails, Hardware), Add For Surface Mount On Concrete (Excludes Drilling And Anchors), Add For 13 Gauge Fabric, Deduct For 11 Gauge Fabric, Deduct For 6 Gauge Fabric, Add For 1" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For 2-3/8" Mesh Fabric, Deduct For Posts 8' On Centers, Add For Posts 5' On Centers, Add For Up To 100, Add For >100 To 250, Add For >2,500 To 5,000, Deduct For >5,000, Deduct For 3/8" Non-Climbable Mesh, Add	58.00 5.75 3.88 -13.33 -7.79 12.23 16.68 6.67 -3.34 -4.45 3.14 11.72 10.67 3.88 -1.94 -3.88 78.71	6.39
32 31 13 13-0158	LF		8' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post For Powder Coated Framework (Posts, Rails, Hardware), Add For Surface Mount On Concrete (Excludes Drilling And Anchors), Add For 13 Gauge Fabric, Deduct For 11 Gauge Fabric, Deduct For 6 Gauge Fabric, Add For 1" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For 2-3/8" Mesh Fabric, Deduct For Posts 8' On Centers, Add For Posts 5' On Centers, Add For Up To 100, Add For >100 To 250, Add For >2,500 To 5,000, Deduct For >5,000, Deduct For 3/8" Non-Climbable Mesh, Add	65.94 6.75 4.34 -15.64 -9.14 14.36 19.58 7.83 -3.92 -5.22 3.55 13.23 11.98 4.34 -2.17 -4.34 89.36	7.46
32 31 13 13-0159	LF		9' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post For Powder Coated Framework (Posts, Rails, Hardware), Add For Surface Mount On Concrete (Excludes Drilling And Anchors), Add For 13 Gauge Fabric, Deduct For 11 Gauge Fabric, Deduct For 6 Gauge Fabric, Add For 1" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For 2-3/8" Mesh Fabric, Deduct For Posts 8' On Centers, Add For Posts 5' On Centers, Add For Up To 100, Add For >100 To 250, Add For >2,500 To 5,000, Deduct For >5,000, Deduct For 3/8" Non-Climbable Mesh, Add	70.35 7.27 4.61 -16.83 -9.83 15.45 21.07 8.43 -4.21 -5.62 3.78 14.09 12.74 4.61 -2.31 -4.61 98.67	9.59
32 31 13 13-0160	LF		10' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post For Powder Coated Framework (Posts, Rails, Hardware), Add For Surface Mount On Concrete (Excludes Drilling And Anchors), Add For 13 Gauge Fabric, Deduct For 11 Gauge Fabric, Deduct For 6 Gauge Fabric, Add For 1" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For 2-3/8" Mesh Fabric, Deduct For Posts 8' On Centers, Add For Posts 5' On Centers, Add For Up To 100, Add For >100 To 250, Add For >2,500 To 5,000, Deduct For >5,000, Deduct For 3/8" Non-Climbable Mesh, Add	74.78 7.78 4.88 -18.02 -10.53 16.55 22.56 9.03 -4.51 -6.02 4.01 14.95 13.51 4.88 -2.44 -4.88 108.26	10.66
32 31 13 13-0161	LF		12' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post For Each Additional Foot >12, Add For Powder Coated Framework (Posts, Rails, Hardware), Add For Surface Mount On Concrete (Excludes Drilling And Anchors), Add For 13 Gauge Fabric, Deduct For 11 Gauge Fabric, Deduct For 6 Gauge Fabric, Add For 1" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For 2-3/8" Mesh Fabric, Deduct For Posts 8' On Centers, Add For Posts 5' On Centers, Add For Up To 100, Add For >100 To 250, Add For >2,500 To 5,000, Deduct For >5,000, Deduct For 3/8" Non-Climbable Mesh, Add	81.60 4.48 8.51 5.32 -19.72 -11.52 18.11 24.69 9.88 -4.94 -6.58 4.38 16.30 14.72 5.32 -2.66 -5.32 117.41	12.79

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 31 13 13-0162	Rails (32 31 13 13) Note: Includes rail end fittings.		
32 31 13 13-0163	SS-20 Chain Link Fence Rails (32 31 13 13-0162) Note: Includes tie wires.		
32 31 13 13-0164	LF 1-3/8" Galvanized Steel Rail, 0.08" Wall Thickness, Tie Wires And Fittings	7.45	1.38
	For SS15, Deduct	-0.46	
	For SS40, Add	1.14	
32 31 13 13-0165	LF 1-3/8" Vinyl Coated Rail, 0.08" Wall Thickness, Tie Wires And Fittings	8.98	1.38
	For SS40, Add	0.61	
	For Powder Coated, Add	1.22	
	For Aluminum Coated, Add	2.44	
32 31 13 13-0166	LF 1-5/8" Galvanized Steel Rail, 0.085" Wall Thickness, Tie Wires And Fittings	9.22	1.57
	For SS15, Deduct	-0.61	
	For SS40, Add	1.52	
32 31 13 13-0167	LF 1-5/8" Vinyl Coated Rail, 0.085" Wall Thickness, Tie Wires And Fittings	11.27	1.57
	For SS40, Add	0.81	
	For Powder Coated, Add	1.63	
	For Aluminum Coated, Add	3.26	
32 31 13 13-0168	LF 2" Galvanized Steel Rail, 0.09" Wall Thickness, Tie Wires And Fittings	10.81	1.75
	For SS40, Add	1.83	
32 31 13 13-0169	LF 2" Vinyl Coated Rail, 0.09" Wall Thickness, Tie Wires And Fittings	13.28	1.75
	For SS40, Add	0.98	
	For Powder Coated, Add	1.95	
	For Aluminum Coated, Add	3.91	
32 31 13 13-0170	SS-20 Middle/Bottom Rail With Tie Wire (1.66" Nominal) (32 31 13 13-0162)		
32 31 13 13-0171	LF 1-5/8" Galvanized Steel Fence Rail, Tie Wire And Fittings	9.71	1.38
	For SS40, Add	1.65	
32 31 13 13-0172	LF 1-5/8" Vinyl Coated Fence Rail, Tie Wires And Fittings	11.76	1.38
	For SS40, Add	0.86	
	For Powder Coated, Add	1.73	
	For Aluminum Coated, Add	3.45	
32 31 13 13-0173	Fabric (32 31 13 13)		
32 31 13 13-0174	Fabric, Galvanized Chain Link (32 31 13 13-0173)		
32 31 13 13-0175	LF 3' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	12.00	2.51
	For 1-1/4" Mesh Fabric, Add	1.08	
	For 2 Oz Galvanized Or Zinc Coating, Add	0.96	
	For 13 Gauge Fabric, Deduct	-1.73	
	For 11 Gauge Fabric, Deduct	-0.96	
	For 6 Gauge Fabric, Add	3.08	
	For 1" Mesh Fabric, Add	2.89	
	For 1-1/4" Mesh Fabric, Add	1.93	
	For 1-3/4" Mesh Fabric, Add	1.16	
	For 2-1/8" Mesh Fabric, Deduct	-0.58	
	For 2-3/8" Mesh Fabric, Deduct	-0.77	
	For 3/8" Non-Climbable Mesh, Add	33.81	
32 31 13 13-0176	LF 3'-6" Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	13.27	2.82
	For 1-1/4" Mesh Fabric, Add	1.26	
	For 2 Oz Galvanized Or Zinc Coating, Add	1.12	
	For 13 Gauge Fabric, Deduct	-2.02	
	For 11 Gauge Fabric, Deduct	-1.12	
	For 6 Gauge Fabric, Add	3.59	
	For 1" Mesh Fabric, Add	3.37	
	For 1-1/4" Mesh Fabric, Add	2.25	
	For 1-3/4" Mesh Fabric, Add	1.35	
	For 2-1/8" Mesh Fabric, Deduct	-0.67	
	For 2-3/8" Mesh Fabric, Deduct	-0.90	
	For 3/8" Non-Climbable Mesh, Add	38.71	
32 31 13 13-0177	LF 4' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	14.35	3.13
	For 1-1/4" Mesh Fabric, Add	1.38	
	For 2 Oz Galvanized Or Zinc Coating, Add	1.24	
	For 13 Gauge Fabric, Deduct	-2.22	
	For 11 Gauge Fabric, Deduct	-1.24	
	For 6 Gauge Fabric, Add	3.95	
	For 1" Mesh Fabric, Add	3.71	
	For 1-1/4" Mesh Fabric, Add	2.47	
	For 1-3/4" Mesh Fabric, Add	1.48	
	For 2-1/8" Mesh Fabric, Deduct	-0.74	
	For 2-3/8" Mesh Fabric, Deduct	-0.99	
	For 3/8" Non-Climbable Mesh, Add	43.65	
32 31 13 13-0178	LF 5' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	16.19	3.76
	For 1-1/4" Mesh Fabric, Add	1.72	
	For 2 Oz Galvanized Or Zinc Coating, Add	1.54	
	For 13 Gauge Fabric, Deduct	-2.77	
	For 11 Gauge Fabric, Deduct	-1.54	
	For 6 Gauge Fabric, Add	4.93	
	For 1" Mesh Fabric, Add	4.62	
	For 1-1/4" Mesh Fabric, Add	3.08	
	For 1-3/4" Mesh Fabric, Add	1.85	
	For 2-1/8" Mesh Fabric, Deduct	-0.92	
	For 2-3/8" Mesh Fabric, Deduct	-1.23	
	For 3/8" Non-Climbable Mesh, Add	52.81	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0179	LF	6'	Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	18.14	4.39
			For 1-1/4" Mesh Fabric, Add	2.07	
			For 2 Oz Galvanized Or Zinc Coating, Add	1.85	
			For 13 Gauge Fabric, Deduct	-3.33	
			For 11 Gauge Fabric, Deduct	-1.85	
			For 6 Gauge Fabric, Add	5.92	
			For 1" Mesh Fabric, Add	5.55	
			For 1-1/4" Mesh Fabric, Add	3.70	
			For 1-3/4" Mesh Fabric, Add	2.22	
			For 2-1/8" Mesh Fabric, Deduct	-1.11	
			For 2-3/8" Mesh Fabric, Deduct	-1.48	
			For 3/8" Non-Climbable Mesh, Add	62.06	
32 31 13 13-0180	LF	7'	Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	20.18	5.01
			For 1-1/4" Mesh Fabric, Add	2.41	
			For 2 Oz Galvanized Or Zinc Coating, Add	2.15	
			For 13 Gauge Fabric, Deduct	-3.87	
			For 11 Gauge Fabric, Deduct	-2.15	
			For 6 Gauge Fabric, Add	6.89	
			For 1" Mesh Fabric, Add	6.46	
			For 1-1/4" Mesh Fabric, Add	4.31	
			For 1-3/4" Mesh Fabric, Add	2.58	
			For 2-1/8" Mesh Fabric, Deduct	-1.29	
			For 2-3/8" Mesh Fabric, Deduct	-1.72	
			For 3/8" Non-Climbable Mesh, Add	71.45	
32 31 13 13-0181	LF	8'	Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	22.39	6.26
			For 1-1/4" Mesh Fabric, Add	2.76	
			For 2 Oz Galvanized Or Zinc Coating, Add	2.46	
			For 13 Gauge Fabric, Deduct	-4.43	
			For 11 Gauge Fabric, Deduct	-2.46	
			For 6 Gauge Fabric, Add	7.88	
			For 1" Mesh Fabric, Add	7.39	
			For 1-1/4" Mesh Fabric, Add	4.93	
			For 1-3/4" Mesh Fabric, Add	2.96	
			For 2-1/8" Mesh Fabric, Deduct	-1.48	
			For 2-3/8" Mesh Fabric, Deduct	-1.97	
			For 3/8" Non-Climbable Mesh, Add	80.98	
32 31 13 13-0182	LF	10'	Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	26.63	6.89
			For 1-1/4" Mesh Fabric, Add	3.58	
			For 2 Oz Galvanized Or Zinc Coating, Add	3.20	
			For 13 Gauge Fabric, Deduct	-5.76	
			For 11 Gauge Fabric, Deduct	-3.20	
			For 6 Gauge Fabric, Add	10.24	
			For 1" Mesh Fabric, Add	9.60	
			For 1-1/4" Mesh Fabric, Add	6.40	
			For 1-3/4" Mesh Fabric, Add	3.84	
			For 2-1/8" Mesh Fabric, Deduct	-1.92	
			For 2-3/8" Mesh Fabric, Deduct	-2.56	
			For 3/8" Non-Climbable Mesh, Add	97.75	
32 31 13 13-0183	LF	12'	Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	30.38	7.52
			For 1-1/4" Mesh Fabric, Add	4.30	
			For 2 Oz Galvanized Or Zinc Coating, Add	3.84	
			For 13 Gauge Fabric, Deduct	-6.90	
			For 11 Gauge Fabric, Deduct	-3.84	
			For 6 Gauge Fabric, Add	12.27	
			For 1" Mesh Fabric, Add	11.51	
			For 1-1/4" Mesh Fabric, Add	7.67	
			For 1-3/4" Mesh Fabric, Add	4.60	
			For 2-1/8" Mesh Fabric, Deduct	-2.30	
			For 2-3/8" Mesh Fabric, Deduct	-3.07	
			For 3/8" Non-Climbable Mesh, Add	106.02	
32 31 13 13-0184	LF	14'	Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	34.03	8.78
			For 1-1/4" Mesh Fabric, Add	4.61	
			For 2 Oz Galvanized Or Zinc Coating, Add	4.12	
			For 13 Gauge Fabric, Deduct	-7.42	
			For 11 Gauge Fabric, Deduct	-4.12	
			For 6 Gauge Fabric, Add	13.18	
			For 1" Mesh Fabric, Add	12.36	
			For 1-1/4" Mesh Fabric, Add	8.24	
			For 1-3/4" Mesh Fabric, Add	4.94	
			For 2-1/8" Mesh Fabric, Deduct	-2.47	
			For 2-3/8" Mesh Fabric, Deduct	-3.30	
			For 3/8" Non-Climbable Mesh, Add	115.60	
32 31 13 13-0185	LF	16'	Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	37.67	10.03
			For 1-1/4" Mesh Fabric, Add	4.93	
			For 2 Oz Galvanized Or Zinc Coating, Add	4.40	
			For 13 Gauge Fabric, Deduct	-7.92	
			For 11 Gauge Fabric, Deduct	-4.40	
			For 6 Gauge Fabric, Add	14.09	
			For 1" Mesh Fabric, Add	13.21	
			For 1-1/4" Mesh Fabric, Add	8.81	
			For 1-3/4" Mesh Fabric, Add	5.28	
			For 2-1/8" Mesh Fabric, Deduct	-2.64	
			For 2-3/8" Mesh Fabric, Deduct	-3.52	
			For 3/8" Non-Climbable Mesh, Add	125.19	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 31 13 13-0186	SF	>16' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	2.35	0.59
		For 1-1/4" Mesh Fabric, Add	0.31	
		For 2 Oz Galvanized Or Zinc Coating, Add	0.28	
		For 13 Gauge Fabric, Deduct	-0.50	
		For 11 Gauge Fabric, Deduct	-0.28	
		For 6 Gauge Fabric, Add	0.88	
		For 1" Mesh Fabric, Add	0.83	
		For 1-1/4" Mesh Fabric, Add	0.55	
		For 1-3/4" Mesh Fabric, Add	0.33	
		For 2-1/8" Mesh Fabric, Deduct	-0.17	
		For 2-3/8" Mesh Fabric, Deduct	-0.22	

32 31 13 13-0187 Fabric, Vinyl Coated Chain Link (32 31 13 13-0173)

32 31 13 13-0188	LF	4' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	15.91	2.51
		For 1-1/4" Mesh Fabric, Add	1.82	
		For 13 Gauge Fabric, Deduct	-2.93	
		For 11 Gauge Fabric, Deduct	-1.63	
		For 6 Gauge Fabric, Add	5.20	
		For 1" Mesh Fabric, Add	4.88	
		For 1-1/4" Mesh Fabric, Add	3.25	
		For 1-3/4" Mesh Fabric, Add	1.95	
		For 2-1/8" Mesh Fabric, Deduct	-0.98	
		For 2-3/8" Mesh Fabric, Deduct	-1.30	
		For 3/8" Non-Climbable Mesh, Add	48.79	
		For Aluminum Coated, Add	2.60	
32 31 13 13-0189	LF	5' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	18.16	3.76
		For 1-1/4" Mesh Fabric, Add	2.28	
		For 13 Gauge Fabric, Deduct	-3.66	
		For 11 Gauge Fabric, Deduct	-2.03	
		For 6 Gauge Fabric, Add	6.50	
		For 1" Mesh Fabric, Add	6.10	
		For 1-1/4" Mesh Fabric, Add	4.07	
		For 1-3/4" Mesh Fabric, Add	2.44	
		For 2-1/8" Mesh Fabric, Deduct	-1.22	
		For 2-3/8" Mesh Fabric, Deduct	-1.63	
		For 3/8" Non-Climbable Mesh, Add	59.23	
		For Aluminum Coated, Add	3.25	
32 31 13 13-0190	LF	6' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	22.14	4.39
		For 1-1/4" Mesh Fabric, Add	3.19	
		For 13 Gauge Fabric, Deduct	-5.13	
		For 11 Gauge Fabric, Deduct	-2.85	
		For 6 Gauge Fabric, Add	9.12	
		For 1" Mesh Fabric, Add	8.55	
		For 1-1/4" Mesh Fabric, Add	5.70	
		For 1-3/4" Mesh Fabric, Add	3.42	
		For 2-1/8" Mesh Fabric, Deduct	-1.71	
		For 2-3/8" Mesh Fabric, Deduct	-2.28	
		For 3/8" Non-Climbable Mesh, Add	69.76	
		For Aluminum Coated, Add	4.56	
32 31 13 13-0191	LF	7' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	24.84	5.01
		For 1-1/4" Mesh Fabric, Add	3.72	
		For 13 Gauge Fabric, Deduct	-5.97	
		For 11 Gauge Fabric, Deduct	-3.32	
		For 6 Gauge Fabric, Add	10.62	
		For 1" Mesh Fabric, Add	9.95	
		For 1-1/4" Mesh Fabric, Add	6.64	
		For 1-3/4" Mesh Fabric, Add	3.98	
		For 2-1/8" Mesh Fabric, Deduct	-1.99	
		For 2-3/8" Mesh Fabric, Deduct	-2.65	
		For 3/8" Non-Climbable Mesh, Add	80.44	
		For Aluminum Coated, Add	5.31	
32 31 13 13-0192	LF	8' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	27.82	6.26
		For 1-1/4" Mesh Fabric, Add	4.28	
		For 13 Gauge Fabric, Deduct	-6.88	
		For 11 Gauge Fabric, Deduct	-3.82	
		For 6 Gauge Fabric, Add	12.22	
		For 1" Mesh Fabric, Add	11.46	
		For 1-1/4" Mesh Fabric, Add	7.64	
		For 1-3/4" Mesh Fabric, Add	4.58	
		For 2-1/8" Mesh Fabric, Deduct	-2.29	
		For 2-3/8" Mesh Fabric, Deduct	-3.06	
		For 3/8" Non-Climbable Mesh, Add	91.25	
		For Aluminum Coated, Add	6.11	
32 31 13 13-0193	LF	10' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	32.85	6.89
		For 1-1/4" Mesh Fabric, Add	5.33	
		For 13 Gauge Fabric, Deduct	-8.56	
		For 11 Gauge Fabric, Deduct	-4.76	
		For 6 Gauge Fabric, Add	15.22	
		For 1" Mesh Fabric, Add	14.27	
		For 1-1/4" Mesh Fabric, Add	9.51	
		For 1-3/4" Mesh Fabric, Add	5.71	
		For 2-1/8" Mesh Fabric, Deduct	-2.85	
		For 2-3/8" Mesh Fabric, Deduct	-3.80	
		For 3/8" Non-Climbable Mesh, Add	110.34	
		For Aluminum Coated, Add	7.61	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0194	LF	12'	Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	35.84	7.52
			For 1-1/4" Mesh Fabric, Add	5.82	
			For 13 Gauge Fabric, Deduct	-9.36	
			For 11 Gauge Fabric, Deduct	-5.20	
			For 6 Gauge Fabric, Add	16.64	
			For 1" Mesh Fabric, Add	15.60	
			For 1-1/4" Mesh Fabric, Add	10.40	
			For 1-3/4" Mesh Fabric, Add	6.24	
			For 2-1/8" Mesh Fabric, Deduct	-3.12	
			For 2-3/8" Mesh Fabric, Deduct	-4.16	
			For 3/8" Non-Climbable Mesh, Add	119.66	
			For Aluminum Coated, Add	8.32	
32 31 13 13-0195	LF	14'	Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	40.45	8.78
			For 1-1/4" Mesh Fabric, Add	6.41	
			For 13 Gauge Fabric, Deduct	-10.31	
			For 11 Gauge Fabric, Deduct	-5.73	
			For 6 Gauge Fabric, Add	18.32	
			For 1" Mesh Fabric, Add	17.18	
			For 1-1/4" Mesh Fabric, Add	11.45	
			For 1-3/4" Mesh Fabric, Add	6.87	
			For 2-1/8" Mesh Fabric, Deduct	-3.44	
			For 2-3/8" Mesh Fabric, Deduct	-4.58	
			For 3/8" Non-Climbable Mesh, Add	130.31	
			For Aluminum Coated, Add	9.16	
32 31 13 13-0196	LF	16'	Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	45.15	10.03
			For 1-1/4" Mesh Fabric, Add	7.03	
			For 13 Gauge Fabric, Deduct	-11.29	
			For 11 Gauge Fabric, Deduct	-6.27	
			For 6 Gauge Fabric, Add	20.07	
			For 1" Mesh Fabric, Add	18.82	
			For 1-1/4" Mesh Fabric, Add	12.55	
			For 1-3/4" Mesh Fabric, Add	7.53	
			For 2-1/8" Mesh Fabric, Deduct	-3.76	
			For 2-3/8" Mesh Fabric, Deduct	-5.02	
			For 3/8" Non-Climbable Mesh, Add	140.96	
			For Aluminum Coated, Add	10.04	
32 31 13 13-0197	SF	>16'	Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	2.82	0.59
			For 1-1/4" Mesh Fabric, Add	0.44	
			For 2 Oz Galvanized Or Zinc Coating, Add	0.39	
			For 13 Gauge Fabric, Deduct	-0.71	
			For 11 Gauge Fabric, Deduct	-0.39	
			For 6 Gauge Fabric, Add	1.26	
			For 1" Mesh Fabric, Add	1.18	
			For 1-1/4" Mesh Fabric, Add	0.79	
			For 1-3/4" Mesh Fabric, Add	0.47	
			For 2-1/8" Mesh Fabric, Deduct	-0.24	
			For 2-3/8" Mesh Fabric, Deduct	-0.31	
			For Aluminum Coated, Add	0.63	
32 31 13 13-0198	Fabric, Aluminized Steel Chain Link (32 31 13 13-0173)				
32 31 13 13-0199	LF	3'	Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	11.53	2.51
			For 6 Gauge Fabric, Add	2.70	
			For 1" Mesh Fabric, Add	3.55	
32 31 13 13-0200	LF	3'-6"	Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	12.70	2.82
			For 6 Gauge Fabric, Add	3.14	
			For 1" Mesh Fabric, Add	4.12	
32 31 13 13-0201	LF	4'	Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	13.90	3.13
			For 6 Gauge Fabric, Add	3.59	
			For 1" Mesh Fabric, Add	4.71	
32 31 13 13-0202	LF	5'	Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	15.64	3.76
			For 6 Gauge Fabric, Add	4.49	
			For 1" Mesh Fabric, Add	5.89	
32 31 13 13-0203	LF	6'	Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	17.45	4.39
			For 6 Gauge Fabric, Add	5.37	
			For 1" Mesh Fabric, Add	7.05	
32 31 13 13-0204	LF	7'	Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	19.42	5.01
			For 6 Gauge Fabric, Add	6.28	
			For 1" Mesh Fabric, Add	8.24	
32 31 13 13-0205	LF	8'	Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	21.50	6.26
			For 6 Gauge Fabric, Add	7.17	
			For 1" Mesh Fabric, Add	9.41	
32 31 13 13-0206	LF	10'	Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	25.03	6.89
			For 6 Gauge Fabric, Add	8.96	
			For 1" Mesh Fabric, Add	11.76	
32 31 13 13-0207	LF	12'	Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	28.48	7.52
			For 6 Gauge Fabric, Add	10.75	
			For 1" Mesh Fabric, Add	14.11	
32 31 13 13-0208	Fabric, All Aluminum Chain Link (32 31 13 13-0173)				
32 31 13 13-0209	LF	3'	Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	16.98	2.51
			For 6 Gauge Fabric, Add	7.06	
			For 1" Mesh Fabric, Add	9.27	
32 31 13 13-0210	LF	3'-6"	Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	19.08	2.82
			For 6 Gauge Fabric, Add	8.24	
			For 1" Mesh Fabric, Add	10.82	
32 31 13 13-0211	LF	4'	Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	21.18	3.13
			For 6 Gauge Fabric, Add	9.42	
			For 1" Mesh Fabric, Add	12.36	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
32 31 13 13-0212	LF	5' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	24.74 11.77 15.45		3.76
32 31 13 13-0213	LF	6' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	28.40 14.13 18.54		4.39
32 31 13 13-0214	LF	7' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	32.17 16.48 21.63		5.01
32 31 13 13-0215	LF	8' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	36.08 18.83 24.72		6.26
32 31 13 13-0216	LF	10' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	43.26 23.54 30.90		6.89
32 31 13 13-0217	LF	12' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	50.35 28.25 37.08		7.52
32 31 13 13-0218		Fence Inserts (32 31 13 13-0173) Note: For use with new or existing chain link fence, per lf of fence.			
32 31 13 13-0219		Vinyl Plastic Fence Inserts (32 31 13 13-0218) Note: Assorted colors.			
32 31 13 13-0220	LF	3' High Fence, Vinyl Plastic Fence Insert.....	9.73		
32 31 13 13-0221	LF	3-1/2' High Fence, Vinyl Plastic Fence Insert.....	11.09		
32 31 13 13-0222	LF	4' High Fence, Vinyl Plastic Fence Insert.....	12.23		
32 31 13 13-0223	LF	5' High Fence, Vinyl Plastic Fence Insert.....	15.34		
32 31 13 13-0224	LF	6' High Fence, Vinyl Plastic Fence Insert.....	18.34		
32 31 13 13-0225	LF	7' High Fence, Vinyl Plastic Fence Insert.....	21.46		
32 31 13 13-0226	LF	8' High Fence, Vinyl Plastic Fence Insert.....	24.47		
32 31 13 13-0227	LF	10' High Fence, Vinyl Plastic Fence Insert.....	29.87		
32 31 13 13-0228		Aluminum Fence Inserts (32 31 13 13-0218) Note: Assorted colors.			
32 31 13 13-0229	LF	3' High Fence, Aluminum Fence Insert.....	33.66		
32 31 13 13-0230	LF	3-1/2' High Fence, Aluminum Fence Insert.....	36.90		
32 31 13 13-0231	LF	4' High Fence, Aluminum Fence Insert.....	41.88		
32 31 13 13-0232	LF	5' High Fence, Aluminum Fence Insert.....	52.40		
32 31 13 13-0233	LF	6' High Fence, Aluminum Fence Insert.....	62.88		
32 31 13 13-0234	LF	7' High Fence, Aluminum Fence Insert.....	68.26		
32 31 13 13-0235	LF	8' High Fence, Aluminum Fence Insert.....	83.82		
32 31 13 13-0236	LF	10' High Fence, Aluminum Fence Insert.....	104.41		
32 31 13 13-0237		Redwood Fence Inserts (32 31 13 13-0218)			
32 31 13 13-0238	LF	4' High Fence, Redwood Fence Insert.....	14.30		
32 31 13 13-0239	LF	5' High Fence, Redwood Fence Insert.....	18.07		
32 31 13 13-0240	LF	6' High Fence, Redwood Fence Insert.....	21.71		
32 31 13 13-0241	LF	7' High Fence, Redwood Fence Insert.....	25.27		
32 31 13 13-0242	LF	8' High Fence, Redwood Fence Insert.....	28.91		
32 31 13 13-0243		Diagonal Flexible Polyethylene Inserts (32 31 13 13-0218)			
32 31 13 13-0244	SF	Diagonal Polyethylene Fence Weave	3.88		
32 31 13 13-0245		Hedge Link Fence Inserts (32 31 13 13-0218)			
32 31 13 13-0246	LF	3' High Fence, Hedge Link Fence Insert.....	20.96		
32 31 13 13-0247	LF	3-1/2' High Fence, Hedge Link Fence Insert.....	23.87		
32 31 13 13-0248	LF	4' High Fence, Hedge Link Fence Insert.....	27.93		
32 31 13 13-0249	LF	5' High Fence, Hedge Link Fence Insert.....	34.43		
32 31 13 13-0250	LF	6' High Fence, Hedge Link Fence Insert.....	39.34		
32 31 13 13-0251	LF	7' High Fence, Hedge Link Fence Insert.....	49.79		
32 31 13 13-0252	LF	8' High Fence, Hedge Link Fence Insert.....	56.54		
32 31 13 13-0253	LF	10' High Fence, Hedge Link Fence Insert.....	67.62		
32 31 13 13-0254	LF	12' High Fence, Hedge Link Fence Insert.....	77.58		
32 31 13 13-0255		Fence Windscreen Fabric (32 31 13 13-0173) Note: Includes plastic wire clips.			
32 31 13 13-0256	SF	Vinyl Coated Polyester Windscreen For Fence, 7 Oz Per SY..... <i>For Sewn Boxed Vent (Each), Add</i> <i>For Welded Boxed Vent (Each), Add</i> <i>For 4' x 4' One Color Logo (Each), Add</i>	1.30 29.02 14.51 604.58		0.57
32 31 13 13-0257		Non-Climbable Fabric, Galvanized Chain Link (32 31 13 13-0173)			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0258	LF	3'	Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	33.81	2.51
			For 11 Gauge, Deduct	-5.13	
			For 10 Gauge, Deduct	-2.05	
			For 7 Gauge, Add	3.08	
			For 6 Gauge, Add	7.18	
			For 1/2" Mesh Fabric, Deduct	-1.28	
			For 5/8" Mesh Fabric, Deduct	-2.82	
			For 3/4" Mesh Fabric, Deduct	-4.11	
32 31 13 13-0259	LF	3'-6"	Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	38.71	2.82
			For 11 Gauge, Deduct	-5.99	
			For 10 Gauge, Deduct	-2.39	
			For 7 Gauge, Add	3.59	
			For 6 Gauge, Add	8.38	
			For 1/2" Mesh Fabric, Deduct	-1.50	
			For 5/8" Mesh Fabric, Deduct	-3.29	
			For 3/4" Mesh Fabric, Deduct	-4.79	
32 31 13 13-0260	LF	4'	Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	43.65	3.13
			For 11 Gauge, Deduct	-6.85	
			For 10 Gauge, Deduct	-2.74	
			For 7 Gauge, Add	4.11	
			For 6 Gauge, Add	9.59	
			For 1/2" Mesh Fabric, Deduct	-1.71	
			For 5/8" Mesh Fabric, Deduct	-3.77	
			For 3/4" Mesh Fabric, Deduct	-5.48	
32 31 13 13-0261	LF	5'	Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	52.81	3.76
			For 11 Gauge, Deduct	-8.56	
			For 10 Gauge, Deduct	-3.42	
			For 7 Gauge, Add	5.13	
			For 6 Gauge, Add	11.98	
			For 1/2" Mesh Fabric, Deduct	-2.14	
			For 5/8" Mesh Fabric, Deduct	-4.71	
			For 3/4" Mesh Fabric, Deduct	-6.84	
32 31 13 13-0262	LF	6'	Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	62.06	4.39
			For 11 Gauge, Deduct	-10.26	
			For 10 Gauge, Deduct	-4.11	
			For 7 Gauge, Add	6.16	
			For 6 Gauge, Add	14.37	
			For 1/2" Mesh Fabric, Deduct	-2.57	
			For 5/8" Mesh Fabric, Deduct	-5.65	
			For 3/4" Mesh Fabric, Deduct	-8.21	
32 31 13 13-0263	LF	7'	Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	71.45	5.01
			For 11 Gauge, Deduct	-11.98	
			For 10 Gauge, Deduct	-4.79	
			For 7 Gauge, Add	7.19	
			For 6 Gauge, Add	16.77	
			For 1/2" Mesh Fabric, Deduct	-2.99	
			For 5/8" Mesh Fabric, Deduct	-6.59	
			For 3/4" Mesh Fabric, Deduct	-9.58	
32 31 13 13-0264	LF	8'	Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	80.98	6.26
			For 11 Gauge, Deduct	-13.69	
			For 10 Gauge, Deduct	-5.48	
			For 7 Gauge, Add	8.21	
			For 6 Gauge, Add	19.16	
			For 1/2" Mesh Fabric, Deduct	-3.42	
			For 5/8" Mesh Fabric, Deduct	-7.53	
			For 3/4" Mesh Fabric, Deduct	-10.95	
32 31 13 13-0265	LF	9'	Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	89.34	6.58
			For 11 Gauge, Deduct	-15.24	
			For 10 Gauge, Deduct	-6.09	
			For 7 Gauge, Add	9.14	
			For 6 Gauge, Add	21.33	
			For 1/2" Mesh Fabric, Deduct	-3.81	
			For 5/8" Mesh Fabric, Deduct	-8.38	
			For 3/4" Mesh Fabric, Deduct	-12.19	
32 31 13 13-0266	LF	10'	Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	97.75	6.89
			For 11 Gauge, Deduct	-16.78	
			For 10 Gauge, Deduct	-6.71	
			For 7 Gauge, Add	10.07	
			For 6 Gauge, Add	23.50	
			For 1/2" Mesh Fabric, Deduct	-4.20	
			For 5/8" Mesh Fabric, Deduct	-9.23	
			For 3/4" Mesh Fabric, Deduct	-13.43	
32 31 13 13-0267	LF	12'	Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	106.02	7.52
			For 11 Gauge, Deduct	-18.20	
			For 10 Gauge, Deduct	-7.28	
			For 7 Gauge, Add	10.92	
			For 6 Gauge, Add	25.47	
			For 1/2" Mesh Fabric, Deduct	-4.55	
			For 5/8" Mesh Fabric, Deduct	-10.01	
			For 3/4" Mesh Fabric, Deduct	-14.56	

32 31 13 13-0268

Gates (32 31 13 13)

Note: Posts exclude drilling or augering in soil or rock. For barbed wire attached directly to posts and gates, select gates and posts sizes for full finished height of gate above grade (top rail to be at lower height, includes barb wire at top area where mesh would be). See CSI section 32 31 13 13-0001 for drilling for augering holes and backfill.

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 31 13 13-0269	Galvanized Steel Without Barbed Wire (32 31 13 13-0268) Note: Industrial swing gate. Includes posts (3" diameter posts for up to 6' wide gate, 4" diameter for > 6' To 12' wide, 6-5/8" diameter for >12' To 18' wide, 8-5/8" diameter for over 18' wide), 2" diameter schedule pipe frame, offset hinges, cap and hardware (drop rod, center locking device, gate keeper, catch bolt and tension bands). Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating.		
32 31 13 13-0270	4' Fence Height (32 31 13 13-0269)		
32 31 13 13-0271	EA 3' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	361.53	23.93
	For Gate With Single Barb Wire Arm, Add	31.54	
	For Gate With Double Barb Wire Arm, Add	45.88	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-53.77	
	For Aluminized Steel Gate And Post, Add	137.64	
	For Powder Coated Gate And Post, Add	74.56	
	For 1" Mesh Fabric, Add	124.74	
	For 1-1/4" Mesh Fabric, Add	80.29	
	For 1-3/4" Mesh Fabric, Add	49.89	
	For 2-1/8" Mesh Fabric, Deduct	-24.95	
32 31 13 13-0272	EA 4' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	457.11	24.93
	For Gate With Single Barb Wire Arm, Add	42.06	
	For Gate With Double Barb Wire Arm, Add	61.17	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-71.69	
	For Aluminized Steel Gate And Post, Add	183.52	
	For Powder Coated Gate And Post, Add	99.41	
	For 1" Mesh Fabric, Add	166.31	
	For 1-1/4" Mesh Fabric, Add	107.05	
	For 1-3/4" Mesh Fabric, Add	66.53	
	For 2-1/8" Mesh Fabric, Deduct	-33.26	
32 31 13 13-0273	EA 5' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	541.37	26.52
	For Gate With Single Barb Wire Arm, Add	50.78	
	For Gate With Double Barb Wire Arm, Add	73.86	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-86.55	
	For Aluminized Steel Gate And Post, Add	221.57	
	For Powder Coated Gate And Post, Add	120.02	
	For 1" Mesh Fabric, Add	200.80	
	For 1-1/4" Mesh Fabric, Add	129.25	
	For 1-3/4" Mesh Fabric, Add	80.32	
	For 2-1/8" Mesh Fabric, Deduct	-40.16	
32 31 13 13-0274	EA 6' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	636.59	31.91
	For Gate With Single Barb Wire Arm, Add	59.49	
	For Gate With Double Barb Wire Arm, Add	86.54	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-101.41	
	For Aluminized Steel Gate And Post, Add	259.61	
	For Powder Coated Gate And Post, Add	140.62	
	For 1" Mesh Fabric, Add	235.27	
	For 1-1/4" Mesh Fabric, Add	151.44	
	For 1-3/4" Mesh Fabric, Add	94.11	
	For 2-1/8" Mesh Fabric, Deduct	-47.05	
32 31 13 13-0275	EA 7' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	731.80	37.19
	For Gate With Single Barb Wire Arm, Add	68.21	
	For Gate With Double Barb Wire Arm, Add	99.22	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-116.27	
	For Aluminized Steel Gate And Post, Add	297.66	
	For Powder Coated Gate And Post, Add	161.23	
	For 1" Mesh Fabric, Add	269.76	
	For 1-1/4" Mesh Fabric, Add	173.64	
	For 1-3/4" Mesh Fabric, Add	107.90	
	For 2-1/8" Mesh Fabric, Deduct	-53.95	
32 31 13 13-0276	EA 8' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	830.28	42.47
	For Gate With Single Barb Wire Arm, Add	77.29	
	For Gate With Double Barb Wire Arm, Add	112.42	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-131.75	
	For Aluminized Steel Gate And Post, Add	337.27	
	For Powder Coated Gate And Post, Add	182.69	
	For 1" Mesh Fabric, Add	305.65	
	For 1-1/4" Mesh Fabric, Add	196.74	
	For 1-3/4" Mesh Fabric, Add	122.26	
	For 2-1/8" Mesh Fabric, Deduct	-61.13	
32 31 13 13-0277	EA 9' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	925.49	47.86
	For Gate With Single Barb Wire Arm, Add	86.01	
	For Gate With Double Barb Wire Arm, Add	125.11	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-146.61	
	For Aluminized Steel Gate And Post, Add	375.32	
	For Powder Coated Gate And Post, Add	203.30	
	For 1" Mesh Fabric, Add	340.14	
	For 1-1/4" Mesh Fabric, Add	218.94	
	For 1-3/4" Mesh Fabric, Add	136.05	
	For 2-1/8" Mesh Fabric, Deduct	-68.03	
32 31 13 13-0278	EA 10' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	1,022.09	53.14
	For Gate With Single Barb Wire Arm, Add	94.88	
	For Gate With Double Barb Wire Arm, Add	138.01	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-161.73	
	For Aluminized Steel Gate And Post, Add	414.04	
	For Powder Coated Gate And Post, Add	224.27	
	For 1" Mesh Fabric, Add	375.22	
	For 1-1/4" Mesh Fabric, Add	241.52	
	For 1-3/4" Mesh Fabric, Add	150.09	
	For 2-1/8" Mesh Fabric, Deduct	-75.04	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0279	EA	10'	Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,306.52	53.14
			For Gate With Single Barb Wire Arm, Add	126.17	
			For Gate With Double Barb Wire Arm, Add	183.52	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-215.06	
			For Aluminized Steel Gate And Post, Add	550.56	
			For Powder Coated Gate And Post, Add	298.22	
			For 1" Mesh Fabric, Add	498.95	
			For 1-1/4" Mesh Fabric, Add	321.16	
			For 1-3/4" Mesh Fabric, Add	199.58	
			For 2-1/8" Mesh Fabric, Deduct	-99.79	
32 31 13 13-0280	EA	12'	Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,547.31	56.93
			For Gate With Single Barb Wire Arm, Add	151.40	
			For Gate With Double Barb Wire Arm, Add	220.22	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-258.08	
			For Aluminized Steel Gate And Post, Add	660.67	
			For Powder Coated Gate And Post, Add	357.86	
			For 1" Mesh Fabric, Add	598.73	
			For 1-1/4" Mesh Fabric, Add	385.39	
			For 1-3/4" Mesh Fabric, Add	239.49	
			For 2-1/8" Mesh Fabric, Deduct	-119.75	
32 31 13 13-0281	EA	14'	Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,789.86	61.32
			For Gate With Single Barb Wire Arm, Add	176.64	
			For Gate With Double Barb Wire Arm, Add	256.93	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-301.09	
			For Aluminized Steel Gate And Post, Add	770.78	
			For Powder Coated Gate And Post, Add	417.51	
			For 1" Mesh Fabric, Add	698.52	
			For 1-1/4" Mesh Fabric, Add	449.62	
			For 1-3/4" Mesh Fabric, Add	279.41	
			For 2-1/8" Mesh Fabric, Deduct	-139.70	
32 31 13 13-0282	EA	16'	Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	2,034.60	66.40
			For Gate With Single Barb Wire Arm, Add	201.87	
			For Gate With Double Barb Wire Arm, Add	293.63	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-344.10	
			For Aluminized Steel Gate And Post, Add	880.90	
			For Powder Coated Gate And Post, Add	477.15	
			For 1" Mesh Fabric, Add	798.31	
			For 1-1/4" Mesh Fabric, Add	513.86	
			For 1-3/4" Mesh Fabric, Add	319.32	
			For 2-1/8" Mesh Fabric, Deduct	-159.66	
32 31 13 13-0283	EA	18'	Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	2,316.87	83.96
			For Gate With Single Barb Wire Arm, Add	227.11	
			For Gate With Double Barb Wire Arm, Add	330.34	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-387.11	
			For Aluminized Steel Gate And Post, Add	991.01	
			For Powder Coated Gate And Post, Add	536.80	
			For 1" Mesh Fabric, Add	898.10	
			For 1-1/4" Mesh Fabric, Add	578.09	
			For 1-3/4" Mesh Fabric, Add	359.24	
			For 2-1/8" Mesh Fabric, Deduct	-179.62	
32 31 13 13-0284	EA	20'	Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	2,564.29	89.99
			For Gate With Single Barb Wire Arm, Add	252.34	
			For Gate With Double Barb Wire Arm, Add	367.04	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-430.13	
			For Aluminized Steel Gate And Post, Add	1,101.12	
			For Powder Coated Gate And Post, Add	596.44	
			For 1" Mesh Fabric, Add	997.89	
			For 1-1/4" Mesh Fabric, Add	642.32	
			For 1-3/4" Mesh Fabric, Add	399.16	
			For 2-1/8" Mesh Fabric, Deduct	-199.58	
32 31 13 13-0285	EA	22'	Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	2,808.89	96.96
			For Gate With Single Barb Wire Arm, Add	276.96	
			For Gate With Double Barb Wire Arm, Add	402.85	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-472.09	
			For Aluminized Steel Gate And Post, Add	1,208.54	
			For Powder Coated Gate And Post, Add	654.63	
			For 1" Mesh Fabric, Add	1,095.24	
			For 1-1/4" Mesh Fabric, Add	704.98	
			For 1-3/4" Mesh Fabric, Add	438.10	
			For 2-1/8" Mesh Fabric, Deduct	-219.05	
32 31 13 13-0286	EA	24'	Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	3,056.95	105.01
			For Gate With Single Barb Wire Arm, Add	301.58	
			For Gate With Double Barb Wire Arm, Add	438.66	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-514.05	
			For Aluminized Steel Gate And Post, Add	1,315.97	
			For Powder Coated Gate And Post, Add	712.82	
			For 1" Mesh Fabric, Add	1,192.60	
			For 1-1/4" Mesh Fabric, Add	767.65	
			For 1-3/4" Mesh Fabric, Add	477.04	
			For 2-1/8" Mesh Fabric, Deduct	-238.52	
32 31 13 13-0287	EA	26'	Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	3,309.42	114.59
			For Gate With Single Barb Wire Arm, Add	326.20	
			For Gate With Double Barb Wire Arm, Add	474.47	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-556.01	
			For Aluminized Steel Gate And Post, Add	1,423.40	
			For Powder Coated Gate And Post, Add	771.01	
			For 1" Mesh Fabric, Add	1,289.95	
			For 1-1/4" Mesh Fabric, Add	830.31	
			For 1-3/4" Mesh Fabric, Add	515.98	
			For 2-1/8" Mesh Fabric, Deduct	-257.99	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
32 31 13 13-0288	EA	28' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	3,483.70		126.05
		For Gate With Single Barb Wire Arm, Add	341.58		
		For Gate With Double Barb Wire Arm, Add	496.85		
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-582.24		
		For Aluminized Steel Gate And Post, Add	1,490.54		
		For Powder Coated Gate And Post, Add	807.38		
		For 1" Mesh Fabric, Add	1,350.80		
		For 1-1/4" Mesh Fabric, Add	869.48		
		For 1-3/4" Mesh Fabric, Add	540.32		
		For 2-1/8" Mesh Fabric, Deduct	-270.16		
32 31 13 13-0289	EA	30' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	3,861.46		140.01
		For Gate With Single Barb Wire Arm, Add	378.51		
		For Gate With Double Barb Wire Arm, Add	550.56		
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-645.19		
		For Aluminized Steel Gate And Post, Add	1,651.68		
		For Powder Coated Gate And Post, Add	894.66		
		For 1" Mesh Fabric, Add	1,496.84		
		For 1-1/4" Mesh Fabric, Add	963.48		
		For 1-3/4" Mesh Fabric, Add	598.73		
		For 2-1/8" Mesh Fabric, Deduct	-299.37		
32 31 13 13-0290 5' Fence Height (32 31 13 13-0269)					
32 31 13 13-0291	EA	3' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	434.13		26.52
		For Gate With Single Barb Wire Arm, Add	38.98		
		For Gate With Double Barb Wire Arm, Add	56.70		
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-66.44		
		For Aluminized Steel Gate And Post, Add	170.09		
		For Powder Coated Gate And Post, Add	92.13		
		For 1" Mesh Fabric, Add	154.15		
		For 1-1/4" Mesh Fabric, Add	99.22		
		For 1-3/4" Mesh Fabric, Add	61.66		
		For 2-1/8" Mesh Fabric, Deduct	-30.83		
32 31 13 13-0292	EA	4' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	550.69		26.52
		For Gate With Single Barb Wire Arm, Add	51.80		
		For Gate With Double Barb Wire Arm, Add	75.35		
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-88.30		
		For Aluminized Steel Gate And Post, Add	226.04		
		For Powder Coated Gate And Post, Add	122.44		
		For 1" Mesh Fabric, Add	204.85		
		For 1-1/4" Mesh Fabric, Add	131.86		
		For 1-3/4" Mesh Fabric, Add	81.94		
		For 2-1/8" Mesh Fabric, Deduct	-40.97		
32 31 13 13-0293	EA	5' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	644.27		28.21
		For Gate With Single Barb Wire Arm, Add	61.55		
		For Gate With Double Barb Wire Arm, Add	89.52		
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-104.91		
		For Aluminized Steel Gate And Post, Add	268.56		
		For Powder Coated Gate And Post, Add	145.47		
		For 1" Mesh Fabric, Add	243.39		
		For 1-1/4" Mesh Fabric, Add	156.66		
		For 1-3/4" Mesh Fabric, Add	97.35		
		For 2-1/8" Mesh Fabric, Deduct	-48.68		
32 31 13 13-0294	EA	6' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	754.46		33.90
		For Gate With Single Barb Wire Arm, Add	71.80		
		For Gate With Double Barb Wire Arm, Add	104.44		
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-122.39		
		For Aluminized Steel Gate And Post, Add	313.32		
		For Powder Coated Gate And Post, Add	169.72		
		For 1" Mesh Fabric, Add	283.95		
		For 1-1/4" Mesh Fabric, Add	182.77		
		For 1-3/4" Mesh Fabric, Add	113.58		
		For 2-1/8" Mesh Fabric, Deduct	-56.79		
32 31 13 13-0295	EA	7' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	855.34		39.48
		For Gate With Single Barb Wire Arm, Add	81.04		
		For Gate With Double Barb Wire Arm, Add	117.87		
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-138.13		
		For Aluminized Steel Gate And Post, Add	353.61		
		For Powder Coated Gate And Post, Add	191.54		
		For 1" Mesh Fabric, Add	320.46		
		For 1-1/4" Mesh Fabric, Add	206.27		
		For 1-3/4" Mesh Fabric, Add	128.18		
		For 2-1/8" Mesh Fabric, Deduct	-64.09		
32 31 13 13-0296	EA	8' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	966.53		45.47
		For Gate With Single Barb Wire Arm, Add	91.29		
		For Gate With Double Barb Wire Arm, Add	132.79		
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-155.61		
		For Aluminized Steel Gate And Post, Add	398.37		
		For Powder Coated Gate And Post, Add	215.78		
		For 1" Mesh Fabric, Add	361.02		
		For 1-1/4" Mesh Fabric, Add	232.38		
		For 1-3/4" Mesh Fabric, Add	144.41		
		For 2-1/8" Mesh Fabric, Deduct	-72.20		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0297	EA	9' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	.....	1,072.07	51.15
		For Gate With Single Barb Wire Arm, Add		101.04	
		For Gate With Double Barb Wire Arm, Add		146.96	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct		-172.22	
		For Aluminized Steel Gate And Post, Add		440.89	
		For Powder Coated Gate And Post, Add		238.82	
		For 1" Mesh Fabric, Add		399.56	
		For 1-1/4" Mesh Fabric, Add		257.19	
		For 1-3/4" Mesh Fabric, Add		159.82	
		For 2-1/8" Mesh Fabric, Deduct		-79.91	
32 31 13 13-0298	EA	10' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	.....	1,177.61	56.73
		For Gate With Single Barb Wire Arm, Add		110.78	
		For Gate With Double Barb Wire Arm, Add		161.14	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct		-188.84	
		For Aluminized Steel Gate And Post, Add		483.42	
		For Powder Coated Gate And Post, Add		261.85	
		For 1" Mesh Fabric, Add		438.10	
		For 1-1/4" Mesh Fabric, Add		281.99	
		For 1-3/4" Mesh Fabric, Add		175.24	
		For 2-1/8" Mesh Fabric, Deduct		-87.62	
32 31 13 13-0299	EA	10' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	.....	1,592.07	56.93
		For Gate With Single Barb Wire Arm, Add		156.33	
		For Gate With Double Barb Wire Arm, Add		227.39	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct		-266.47	
		For Aluminized Steel Gate And Post, Add		682.16	
		For Powder Coated Gate And Post, Add		369.50	
		For 1" Mesh Fabric, Add		618.20	
		For 1-1/4" Mesh Fabric, Add		397.92	
		For 1-3/4" Mesh Fabric, Add		247.28	
		For 2-1/8" Mesh Fabric, Deduct		-123.64	
32 31 13 13-0300	EA	12' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	.....	1,890.57	61.32
		For Gate With Single Barb Wire Arm, Add		187.72	
		For Gate With Double Barb Wire Arm, Add		273.04	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct		-319.97	
		For Aluminized Steel Gate And Post, Add		819.12	
		For Powder Coated Gate And Post, Add		443.69	
		For 1" Mesh Fabric, Add		742.33	
		For 1-1/4" Mesh Fabric, Add		477.82	
		For 1-3/4" Mesh Fabric, Add		296.93	
		For 2-1/8" Mesh Fabric, Deduct		-148.47	
32 31 13 13-0301	EA	14' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	.....	2,191.26	66.40
		For Gate With Single Barb Wire Arm, Add		219.10	
		For Gate With Double Barb Wire Arm, Add		318.70	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct		-373.47	
		For Aluminized Steel Gate And Post, Add		956.09	
		For Powder Coated Gate And Post, Add		517.88	
		For 1" Mesh Fabric, Add		866.46	
		For 1-1/4" Mesh Fabric, Add		557.72	
		For 1-3/4" Mesh Fabric, Add		346.58	
		For 2-1/8" Mesh Fabric, Deduct		-173.29	
32 31 13 13-0302	EA	16' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	.....	2,529.48	83.96
		For Gate With Single Barb Wire Arm, Add		250.49	
		For Gate With Double Barb Wire Arm, Add		364.35	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct		-426.98	
		For Aluminized Steel Gate And Post, Add		1,093.06	
		For Powder Coated Gate And Post, Add		592.07	
		For 1" Mesh Fabric, Add		990.59	
		For 1-1/4" Mesh Fabric, Add		637.62	
		For 1-3/4" Mesh Fabric, Add		396.23	
		For 2-1/8" Mesh Fabric, Deduct		-198.12	
32 31 13 13-0303	EA	18' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	.....	2,827.26	89.99
		For Gate With Single Barb Wire Arm, Add		281.27	
		For Gate With Double Barb Wire Arm, Add		409.12	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct		-479.43	
		For Aluminized Steel Gate And Post, Add		1,227.35	
		For Powder Coated Gate And Post, Add		664.81	
		For 1" Mesh Fabric, Add		1,112.28	
		For 1-1/4" Mesh Fabric, Add		715.95	
		For 1-3/4" Mesh Fabric, Add		444.91	
		For 2-1/8" Mesh Fabric, Deduct		-222.46	
32 31 13 13-0304	EA	20' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	.....	3,139.01	96.96
		For Gate With Single Barb Wire Arm, Add		313.27	
		For Gate With Double Barb Wire Arm, Add		455.67	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct		-533.99	
		For Aluminized Steel Gate And Post, Add		1,367.00	
		For Powder Coated Gate And Post, Add		740.46	
		For 1" Mesh Fabric, Add		1,238.85	
		For 1-1/4" Mesh Fabric, Add		797.42	
		For 1-3/4" Mesh Fabric, Add		495.54	
		For 2-1/8" Mesh Fabric, Deduct		-247.77	
32 31 13 13-0305	EA	22' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	.....	3,448.61	105.01
		For Gate With Single Barb Wire Arm, Add		344.66	
		For Gate With Double Barb Wire Arm, Add		501.32	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct		-587.49	
		For Aluminized Steel Gate And Post, Add		1,503.97	
		For Powder Coated Gate And Post, Add		814.65	
		For 1" Mesh Fabric, Add		1,362.97	
		For 1-1/4" Mesh Fabric, Add		877.32	
		For 1-3/4" Mesh Fabric, Add		545.19	
		For 2-1/8" Mesh Fabric, Deduct		-272.59	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 31 13 13-0306	EA	24' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	3,757.03	114.59
		For Gate With Single Barb Wire Arm, Add	375.43	
		For Gate With Double Barb Wire Arm, Add	546.08	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-639.94	
		For Aluminized Steel Gate And Post, Add	1,638.25	
		For Powder Coated Gate And Post, Add	887.39	
		For 1" Mesh Fabric, Add	1,484.66	
		For 1-1/4" Mesh Fabric, Add	955.65	
		For 1-3/4" Mesh Fabric, Add	593.87	
		For 2-1/8" Mesh Fabric, Deduct	-296.93	
32 31 13 13-0307	EA	26' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	4,082.38	126.05
		For Gate With Single Barb Wire Arm, Add	407.44	
		For Gate With Double Barb Wire Arm, Add	592.64	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-694.49	
		For Aluminized Steel Gate And Post, Add	1,777.91	
		For Powder Coated Gate And Post, Add	963.03	
		For 1" Mesh Fabric, Add	1,611.23	
		For 1-1/4" Mesh Fabric, Add	1,037.11	
		For 1-3/4" Mesh Fabric, Add	644.49	
		For 2-1/8" Mesh Fabric, Deduct	-322.25	
32 31 13 13-0308	EA	28' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	4,406.26	140.01
		For Gate With Single Barb Wire Arm, Add	438.44	
		For Gate With Double Barb Wire Arm, Add	637.73	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-747.34	
		For Aluminized Steel Gate And Post, Add	1,913.18	
		For Powder Coated Gate And Post, Add	1,036.31	
		For 1" Mesh Fabric, Add	1,733.82	
		For 1-1/4" Mesh Fabric, Add	1,116.02	
		For 1-3/4" Mesh Fabric, Add	693.53	
		For 2-1/8" Mesh Fabric, Deduct	-346.76	
32 31 13 13-0309	EA	30' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	4,736.50	157.51
		For Gate With Single Barb Wire Arm, Add	468.98	
		For Gate With Double Barb Wire Arm, Add	682.16	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-799.40	
		For Aluminized Steel Gate And Post, Add	2,046.47	
		For Powder Coated Gate And Post, Add	1,108.50	
		For 1" Mesh Fabric, Add	1,854.61	
		For 1-1/4" Mesh Fabric, Add	1,193.77	
		For 1-3/4" Mesh Fabric, Add	741.85	
		For 2-1/8" Mesh Fabric, Deduct	-370.92	

32 31 13 13-0310 6' Fence Height (32 31 13 13-0269)

32 31 13 13-0311	EA	3' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	465.46	28.41
		For Gate With Single Barb Wire Arm, Add	41.80	
		For Gate With Double Barb Wire Arm, Add	60.80	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-71.25	
		For Aluminized Steel Gate And Post, Add	182.40	
		For Powder Coated Gate And Post, Add	98.80	
		For 1" Mesh Fabric, Add	165.30	
		For 1-1/4" Mesh Fabric, Add	106.40	
		For 1-3/4" Mesh Fabric, Add	66.12	
		For 2-1/8" Mesh Fabric, Deduct	-33.06	
32 31 13 13-0312	EA	4' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	591.35	28.41
		For Gate With Single Barb Wire Arm, Add	55.65	
		For Gate With Double Barb Wire Arm, Add	80.94	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-94.85	
		For Aluminized Steel Gate And Post, Add	242.83	
		For Powder Coated Gate And Post, Add	131.53	
		For 1" Mesh Fabric, Add	220.06	
		For 1-1/4" Mesh Fabric, Add	141.65	
		For 1-3/4" Mesh Fabric, Add	88.02	
		For 2-1/8" Mesh Fabric, Deduct	-44.01	
32 31 13 13-0313	EA	5' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	692.91	30.21
		For Gate With Single Barb Wire Arm, Add	66.24	
		For Gate With Double Barb Wire Arm, Add	96.35	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-112.91	
		For Aluminized Steel Gate And Post, Add	289.04	
		For Powder Coated Gate And Post, Add	156.56	
		For 1" Mesh Fabric, Add	261.94	
		For 1-1/4" Mesh Fabric, Add	168.61	
		For 1-3/4" Mesh Fabric, Add	104.78	
		For 2-1/8" Mesh Fabric, Deduct	-52.39	
32 31 13 13-0314	EA	6' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	804.40	36.49
		For Gate With Single Barb Wire Arm, Add	76.42	
		For Gate With Double Barb Wire Arm, Add	111.16	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-130.26	
		For Aluminized Steel Gate And Post, Add	333.47	
		For Powder Coated Gate And Post, Add	180.63	
		For 1" Mesh Fabric, Add	302.21	
		For 1-1/4" Mesh Fabric, Add	194.52	
		For 1-3/4" Mesh Fabric, Add	120.88	
		For 2-1/8" Mesh Fabric, Deduct	-60.44	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0315	EA	7' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	.....	921.24	42.88
		For Gate With Single Barb Wire Arm, Add	.....	87.19	
		For Gate With Double Barb Wire Arm, Add	.....	126.82	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	.....	-148.62	
		For Aluminized Steel Gate And Post, Add	.....	380.47	
		For Powder Coated Gate And Post, Add	.....	206.09	
		For 1" Mesh Fabric, Add	.....	344.80	
		For 1-1/4" Mesh Fabric, Add	.....	221.94	
		For 1-3/4" Mesh Fabric, Add	.....	137.92	
		For 2-1/8" Mesh Fabric, Deduct	.....	-68.96	
32 31 13 13-0316	EA	8' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	.....	1,032.45	48.85
		For Gate With Single Barb Wire Arm, Add	.....	97.45	
		For Gate With Double Barb Wire Arm, Add	.....	141.74	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	.....	-166.10	
		For Aluminized Steel Gate And Post, Add	.....	425.23	
		For Powder Coated Gate And Post, Add	.....	230.33	
		For 1" Mesh Fabric, Add	.....	385.36	
		For 1-1/4" Mesh Fabric, Add	.....	248.05	
		For 1-3/4" Mesh Fabric, Add	.....	154.14	
		For 2-1/8" Mesh Fabric, Deduct	.....	-77.07	
32 31 13 13-0317	EA	9' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	.....	1,144.66	55.14
		For Gate With Single Barb Wire Arm, Add	.....	107.71	
		For Gate With Double Barb Wire Arm, Add	.....	156.66	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	.....	-183.59	
		For Aluminized Steel Gate And Post, Add	.....	469.99	
		For Powder Coated Gate And Post, Add	.....	254.58	
		For 1" Mesh Fabric, Add	.....	425.93	
		For 1-1/4" Mesh Fabric, Add	.....	274.16	
		For 1-3/4" Mesh Fabric, Add	.....	170.37	
		For 2-1/8" Mesh Fabric, Deduct	.....	-85.19	
32 31 13 13-0318	EA	10' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	.....	1,214.87	61.42
		For Gate With Single Barb Wire Arm, Add	.....	113.35	
		For Gate With Double Barb Wire Arm, Add	.....	164.87	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	.....	-193.21	
		For Aluminized Steel Gate And Post, Add	.....	494.61	
		For Powder Coated Gate And Post, Add	.....	267.91	
		For 1" Mesh Fabric, Add	.....	448.24	
		For 1-1/4" Mesh Fabric, Add	.....	288.52	
		For 1-3/4" Mesh Fabric, Add	.....	179.29	
		For 2-1/8" Mesh Fabric, Deduct	.....	-89.65	
32 31 13 13-0319	EA	10' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	.....	1,700.34	61.32
		For Gate With Single Barb Wire Arm, Add	.....	166.79	
		For Gate With Double Barb Wire Arm, Add	.....	242.60	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	.....	-284.30	
		For Aluminized Steel Gate And Post, Add	.....	727.81	
		For Powder Coated Gate And Post, Add	.....	394.23	
		For 1" Mesh Fabric, Add	.....	659.58	
		For 1-1/4" Mesh Fabric, Add	.....	424.56	
		For 1-3/4" Mesh Fabric, Add	.....	263.83	
		For 2-1/8" Mesh Fabric, Deduct	.....	-131.92	
32 31 13 13-0320	EA	12' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	.....	2,017.81	66.40
		For Gate With Single Barb Wire Arm, Add	.....	200.03	
		For Gate With Double Barb Wire Arm, Add	.....	290.95	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	.....	-340.95	
		For Aluminized Steel Gate And Post, Add	.....	872.84	
		For Powder Coated Gate And Post, Add	.....	472.79	
		For 1" Mesh Fabric, Add	.....	791.01	
		For 1-1/4" Mesh Fabric, Add	.....	509.15	
		For 1-3/4" Mesh Fabric, Add	.....	316.40	
		For 2-1/8" Mesh Fabric, Deduct	.....	-158.20	
32 31 13 13-0321	EA	14' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	.....	2,396.44	89.99
		For Gate With Single Barb Wire Arm, Add	.....	233.88	
		For Gate With Double Barb Wire Arm, Add	.....	340.18	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	.....	-398.65	
		For Aluminized Steel Gate And Post, Add	.....	1,020.55	
		For Powder Coated Gate And Post, Add	.....	552.80	
		For 1" Mesh Fabric, Add	.....	924.88	
		For 1-1/4" Mesh Fabric, Add	.....	595.32	
		For 1-3/4" Mesh Fabric, Add	.....	369.95	
		For 2-1/8" Mesh Fabric, Deduct	.....	-184.98	
32 31 13 13-0322	EA	16' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	.....	2,719.37	96.96
		For Gate With Single Barb Wire Arm, Add	.....	267.11	
		For Gate With Double Barb Wire Arm, Add	.....	388.52	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	.....	-455.30	
		For Aluminized Steel Gate And Post, Add	.....	1,165.57	
		For Powder Coated Gate And Post, Add	.....	631.35	
		For 1" Mesh Fabric, Add	.....	1,056.30	
		For 1-1/4" Mesh Fabric, Add	.....	679.92	
		For 1-3/4" Mesh Fabric, Add	.....	422.52	
		For 2-1/8" Mesh Fabric, Deduct	.....	-211.26	
32 31 13 13-0323	EA	18' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	.....	3,051.35	105.01
		For Gate With Single Barb Wire Arm, Add	.....	300.96	
		For Gate With Double Barb Wire Arm, Add	.....	437.76	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	.....	-513.00	
		For Aluminized Steel Gate And Post, Add	.....	1,313.28	
		For Powder Coated Gate And Post, Add	.....	711.36	
		For 1" Mesh Fabric, Add	.....	1,190.16	
		For 1-1/4" Mesh Fabric, Add	.....	766.08	
		For 1-3/4" Mesh Fabric, Add	.....	476.07	
		For 2-1/8" Mesh Fabric, Deduct	.....	-238.03	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 31 13 13-0324	EA 20' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	3,387.76	114.59
	For Gate With Single Barb Wire Arm, Add	334.81	
	For Gate With Double Barb Wire Arm, Add	487.00	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-570.70	
	For Aluminized Steel Gate And Post, Add	1,461.00	
	For Powder Coated Gate And Post, Add	791.38	
	For 1" Mesh Fabric, Add	1,324.03	
	For 1-1/4" Mesh Fabric, Add	852.25	
	For 1-3/4" Mesh Fabric, Add	529.61	
	For 2-1/8" Mesh Fabric, Deduct	-264.81	
32 31 13 13-0325	EA 22' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	3,724.29	126.05
	For Gate With Single Barb Wire Arm, Add	368.05	
	For Gate With Double Barb Wire Arm, Add	535.34	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-627.35	
	For Aluminized Steel Gate And Post, Add	1,606.02	
	For Powder Coated Gate And Post, Add	869.93	
	For 1" Mesh Fabric, Add	1,455.46	
	For 1-1/4" Mesh Fabric, Add	936.85	
	For 1-3/4" Mesh Fabric, Add	582.18	
	For 2-1/8" Mesh Fabric, Deduct	-291.09	
32 31 13 13-0326	EA 24' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	4,071.28	140.01
	For Gate With Single Barb Wire Arm, Add	401.59	
	For Gate With Double Barb Wire Arm, Add	584.13	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-684.53	
	For Aluminized Steel Gate And Post, Add	1,752.39	
	For Powder Coated Gate And Post, Add	949.21	
	For 1" Mesh Fabric, Add	1,588.11	
	For 1-1/4" Mesh Fabric, Add	1,022.23	
	For 1-3/4" Mesh Fabric, Add	635.24	
	For 2-1/8" Mesh Fabric, Deduct	-317.62	
32 31 13 13-0327	EA 26' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	4,425.41	157.51
	For Gate With Single Barb Wire Arm, Add	434.76	
	For Gate With Double Barb Wire Arm, Add	632.38	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-741.07	
	For Aluminized Steel Gate And Post, Add	1,897.15	
	For Powder Coated Gate And Post, Add	1,027.62	
	For 1" Mesh Fabric, Add	1,719.29	
	For 1-1/4" Mesh Fabric, Add	1,106.67	
	For 1-3/4" Mesh Fabric, Add	687.72	
	For 2-1/8" Mesh Fabric, Deduct	-343.86	
32 31 13 13-0328	EA 28' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	4,798.48	179.98
	For Gate With Single Barb Wire Arm, Add	468.37	
	For Gate With Double Barb Wire Arm, Add	681.26	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-798.35	
	For Aluminized Steel Gate And Post, Add	2,043.79	
	For Powder Coated Gate And Post, Add	1,107.05	
	For 1" Mesh Fabric, Add	1,852.18	
	For 1-1/4" Mesh Fabric, Add	1,192.21	
	For 1-3/4" Mesh Fabric, Add	740.87	
	For 2-1/8" Mesh Fabric, Deduct	-370.44	
32 31 13 13-0329	EA 30' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	5,194.63	210.02
	For Gate With Single Barb Wire Arm, Add	502.03	
	For Gate With Double Barb Wire Arm, Add	730.23	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-855.74	
	For Aluminized Steel Gate And Post, Add	2,190.69	
	For Powder Coated Gate And Post, Add	1,186.62	
	For 1" Mesh Fabric, Add	1,985.31	
	For 1-1/4" Mesh Fabric, Add	1,277.90	
	For 1-3/4" Mesh Fabric, Add	794.13	
	For 2-1/8" Mesh Fabric, Deduct	-397.06	
32 31 13 13-0330	7' Fence Height (32 31 13 13-0269)		
32 31 13 13-0331	EA 3' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	488.36	30.61
	For Gate With Single Barb Wire Arm, Add	43.60	
	For Gate With Double Barb Wire Arm, Add	63.41	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-74.31	
	For Aluminized Steel Gate And Post, Add	190.23	
	For Powder Coated Gate And Post, Add	103.04	
	For 1" Mesh Fabric, Add	172.40	
	For 1-1/4" Mesh Fabric, Add	110.97	
	For 1-3/4" Mesh Fabric, Add	68.96	
	For 2-1/8" Mesh Fabric, Deduct	-34.48	
32 31 13 13-0332	EA 4' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	618.91	30.61
	For Gate With Single Barb Wire Arm, Add	57.96	
	For Gate With Double Barb Wire Arm, Add	84.30	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-98.79	
	For Aluminized Steel Gate And Post, Add	252.90	
	For Powder Coated Gate And Post, Add	136.99	
	For 1" Mesh Fabric, Add	229.19	
	For 1-1/4" Mesh Fabric, Add	147.52	
	For 1-3/4" Mesh Fabric, Add	91.68	
	For 2-1/8" Mesh Fabric, Deduct	-45.84	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0333	EA	5' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	.....	729.33	32.21
		For Gate With Single Barb Wire Arm, Add	.....	69.59	
		For Gate With Double Barb Wire Arm, Add	.....	101.22	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	.....	-118.62	
		For Aluminized Steel Gate And Post, Add	.....	303.66	
		For Powder Coated Gate And Post, Add	.....	164.48	
		For 1" Mesh Fabric, Add	.....	275.19	
		For 1-1/4" Mesh Fabric, Add	.....	177.13	
		For 1-3/4" Mesh Fabric, Add	.....	110.08	
		For 2-1/8" Mesh Fabric, Deduct	.....	-55.04	
32 31 13 13-0334	EA	6' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	.....	893.88	39.18
		For Gate With Single Barb Wire Arm, Add	.....	85.39	
		For Gate With Double Barb Wire Arm, Add	.....	124.20	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	.....	-145.54	
		For Aluminized Steel Gate And Post, Add	.....	372.59	
		For Powder Coated Gate And Post, Add	.....	201.82	
		For 1" Mesh Fabric, Add	.....	337.66	
		For 1-1/4" Mesh Fabric, Add	.....	217.34	
		For 1-3/4" Mesh Fabric, Add	.....	135.06	
		For 2-1/8" Mesh Fabric, Deduct	.....	-67.53	
32 31 13 13-0335	EA	7' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	.....	1,057.46	45.87
		For Gate With Single Barb Wire Arm, Add	.....	101.19	
		For Gate With Double Barb Wire Arm, Add	.....	147.18	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	.....	-172.48	
		For Aluminized Steel Gate And Post, Add	.....	441.54	
		For Powder Coated Gate And Post, Add	.....	239.17	
		For 1" Mesh Fabric, Add	.....	400.15	
		For 1-1/4" Mesh Fabric, Add	.....	257.57	
		For 1-3/4" Mesh Fabric, Add	.....	160.06	
		For 2-1/8" Mesh Fabric, Deduct	.....	-80.03	
32 31 13 13-0336	EA	8' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	.....	1,222.02	52.74
		For Gate With Single Barb Wire Arm, Add	.....	116.98	
		For Gate With Double Barb Wire Arm, Add	.....	170.16	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	.....	-199.40	
		For Aluminized Steel Gate And Post, Add	.....	510.48	
		For Powder Coated Gate And Post, Add	.....	276.51	
		For 1" Mesh Fabric, Add	.....	462.62	
		For 1-1/4" Mesh Fabric, Add	.....	297.78	
		For 1-3/4" Mesh Fabric, Add	.....	185.05	
		For 2-1/8" Mesh Fabric, Deduct	.....	-92.52	
32 31 13 13-0337	EA	9' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	.....	1,385.62	59.42
		For Gate With Single Barb Wire Arm, Add	.....	132.79	
		For Gate With Double Barb Wire Arm, Add	.....	193.14	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	.....	-226.34	
		For Aluminized Steel Gate And Post, Add	.....	579.43	
		For Powder Coated Gate And Post, Add	.....	313.86	
		For 1" Mesh Fabric, Add	.....	525.11	
		For 1-1/4" Mesh Fabric, Add	.....	338.00	
		For 1-3/4" Mesh Fabric, Add	.....	210.04	
		For 2-1/8" Mesh Fabric, Deduct	.....	-105.02	
32 31 13 13-0338	EA	10' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	.....	1,524.28	66.40
		For Gate With Single Barb Wire Arm, Add	.....	145.74	
		For Gate With Double Barb Wire Arm, Add	.....	211.98	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	.....	-248.42	
		For Aluminized Steel Gate And Post, Add	.....	635.94	
		For Powder Coated Gate And Post, Add	.....	344.47	
		For 1" Mesh Fabric, Add	.....	576.32	
		For 1-1/4" Mesh Fabric, Add	.....	370.97	
		For 1-3/4" Mesh Fabric, Add	.....	230.53	
		For 2-1/8" Mesh Fabric, Deduct	.....	-115.26	
32 31 13 13-0339	EA	10' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	.....	1,938.47	66.40
		For Gate With Single Barb Wire Arm, Add	.....	191.30	
		For Gate With Double Barb Wire Arm, Add	.....	278.25	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	.....	-326.08	
		For Aluminized Steel Gate And Post, Add	.....	834.75	
		For Powder Coated Gate And Post, Add	.....	452.16	
		For 1" Mesh Fabric, Add	.....	756.50	
		For 1-1/4" Mesh Fabric, Add	.....	486.94	
		For 1-3/4" Mesh Fabric, Add	.....	302.60	
		For 2-1/8" Mesh Fabric, Deduct	.....	-151.30	
32 31 13 13-0340	EA	12' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	.....	2,204.00	89.99
		For Gate With Single Barb Wire Arm, Add	.....	212.71	
		For Gate With Double Barb Wire Arm, Add	.....	309.39	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	.....	-362.57	
		For Aluminized Steel Gate And Post, Add	.....	928.18	
		For Powder Coated Gate And Post, Add	.....	502.76	
		For 1" Mesh Fabric, Add	.....	841.16	
		For 1-1/4" Mesh Fabric, Add	.....	541.44	
		For 1-3/4" Mesh Fabric, Add	.....	336.47	
		For 2-1/8" Mesh Fabric, Deduct	.....	-168.23	
32 31 13 13-0341	EA	14' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	.....	2,547.08	96.96
		For Gate With Single Barb Wire Arm, Add	.....	248.16	
		For Gate With Double Barb Wire Arm, Add	.....	360.96	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	.....	-423.00	
		For Aluminized Steel Gate And Post, Add	.....	1,082.88	
		For Powder Coated Gate And Post, Add	.....	586.56	
		For 1" Mesh Fabric, Add	.....	981.36	
		For 1-1/4" Mesh Fabric, Add	.....	631.68	
		For 1-3/4" Mesh Fabric, Add	.....	392.54	
		For 2-1/8" Mesh Fabric, Deduct	.....	-196.27	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 31 13 13-0342	EA	16' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	2,866.71	105.01
		For Gate With Single Barb Wire Arm, Add	280.65	
		For Gate With Double Barb Wire Arm, Add	408.22	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-478.38	
		For Aluminized Steel Gate And Post, Add	1,224.66	
		For Powder Coated Gate And Post, Add	663.36	
		For 1" Mesh Fabric, Add	1,109.85	
		For 1-1/4" Mesh Fabric, Add	714.38	
		For 1-3/4" Mesh Fabric, Add	443.94	
		For 2-1/8" Mesh Fabric, Deduct	-221.97	
32 31 13 13-0343	EA	18' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	3,219.90	114.59
		For Gate With Single Barb Wire Arm, Add	316.35	
		For Gate With Double Barb Wire Arm, Add	460.14	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-539.23	
		For Aluminized Steel Gate And Post, Add	1,380.43	
		For Powder Coated Gate And Post, Add	747.73	
		For 1" Mesh Fabric, Add	1,251.01	
		For 1-1/4" Mesh Fabric, Add	805.25	
		For 1-3/4" Mesh Fabric, Add	500.40	
		For 2-1/8" Mesh Fabric, Deduct	-250.20	
32 31 13 13-0344	EA	20' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	3,573.22	126.05
		For Gate With Single Barb Wire Arm, Add	351.43	
		For Gate With Double Barb Wire Arm, Add	511.17	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-599.03	
		For Aluminized Steel Gate And Post, Add	1,533.51	
		For Powder Coated Gate And Post, Add	830.65	
		For 1" Mesh Fabric, Add	1,389.74	
		For 1-1/4" Mesh Fabric, Add	894.55	
		For 1-3/4" Mesh Fabric, Add	555.90	
		For 2-1/8" Mesh Fabric, Deduct	-277.95	
32 31 13 13-0345	EA	22' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	3,934.20	140.01
		For Gate With Single Barb Wire Arm, Add	386.51	
		For Gate With Double Barb Wire Arm, Add	562.20	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-658.83	
		For Aluminized Steel Gate And Post, Add	1,686.60	
		For Powder Coated Gate And Post, Add	913.57	
		For 1" Mesh Fabric, Add	1,528.48	
		For 1-1/4" Mesh Fabric, Add	983.85	
		For 1-3/4" Mesh Fabric, Add	611.39	
		For 2-1/8" Mesh Fabric, Deduct	-305.70	
32 31 13 13-0346	EA	24' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	4,305.68	157.51
		For Gate With Single Barb Wire Arm, Add	421.59	
		For Gate With Double Barb Wire Arm, Add	613.23	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-718.62	
		For Aluminized Steel Gate And Post, Add	1,839.68	
		For Powder Coated Gate And Post, Add	996.49	
		For 1" Mesh Fabric, Add	1,667.21	
		For 1-1/4" Mesh Fabric, Add	1,073.14	
		For 1-3/4" Mesh Fabric, Add	666.88	
		For 2-1/8" Mesh Fabric, Deduct	-333.44	
32 31 13 13-0347	EA	26' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	4,692.17	179.98
		For Gate With Single Barb Wire Arm, Add	456.67	
		For Gate With Double Barb Wire Arm, Add	664.25	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-778.42	
		For Aluminized Steel Gate And Post, Add	1,992.76	
		For Powder Coated Gate And Post, Add	1,079.41	
		For 1" Mesh Fabric, Add	1,805.94	
		For 1-1/4" Mesh Fabric, Add	1,162.44	
		For 1-3/4" Mesh Fabric, Add	722.37	
		For 2-1/8" Mesh Fabric, Deduct	-361.19	
32 31 13 13-0348	EA	28' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	5,101.19	210.02
		For Gate With Single Barb Wire Arm, Add	491.76	
		For Gate With Double Barb Wire Arm, Add	715.28	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-838.22	
		For Aluminized Steel Gate And Post, Add	2,145.84	
		For Powder Coated Gate And Post, Add	1,162.33	
		For 1" Mesh Fabric, Add	1,944.67	
		For 1-1/4" Mesh Fabric, Add	1,251.74	
		For 1-3/4" Mesh Fabric, Add	777.87	
		For 2-1/8" Mesh Fabric, Deduct	-388.93	
32 31 13 13-0349	EA	30' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	5,546.24	252.00
		For Gate With Single Barb Wire Arm, Add	526.84	
		For Gate With Double Barb Wire Arm, Add	766.31	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-898.02	
		For Aluminized Steel Gate And Post, Add	2,298.92	
		For Powder Coated Gate And Post, Add	1,245.25	
		For 1" Mesh Fabric, Add	2,083.40	
		For 1-1/4" Mesh Fabric, Add	1,341.04	
		For 1-3/4" Mesh Fabric, Add	833.36	
		For 2-1/8" Mesh Fabric, Deduct	-416.68	

32 31 13 13-0350 8' Fence Height (32 31 13 13-0269)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0351	EA	3'	Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	573.02	33.20
			For Gate With Single Barb Wire Arm, Add	52.07	
			For Gate With Double Barb Wire Arm, Add	75.73	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-88.75	
			For Aluminized Steel Gate And Post, Add	227.19	
			For Powder Coated Gate And Post, Add	123.06	
			For 1" Mesh Fabric, Add	205.89	
			For 1-1/4" Mesh Fabric, Add	132.53	
			For 1-3/4" Mesh Fabric, Add	82.36	
			For 2-1/8" Mesh Fabric, Deduct	-41.18	
32 31 13 13-0352	EA	4'	Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	730.80	33.20
			For Gate With Single Barb Wire Arm, Add	69.42	
			For Gate With Double Barb Wire Arm, Add	100.98	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-118.33	
			For Aluminized Steel Gate And Post, Add	302.93	
			For Powder Coated Gate And Post, Add	164.09	
			For 1" Mesh Fabric, Add	274.53	
			For 1-1/4" Mesh Fabric, Add	176.71	
			For 1-3/4" Mesh Fabric, Add	109.81	
			For 2-1/8" Mesh Fabric, Deduct	-54.91	
32 31 13 13-0353	EA	5'	Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	853.41	36.99
			For Gate With Single Barb Wire Arm, Add	81.65	
			For Gate With Double Barb Wire Arm, Add	118.76	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-139.17	
			For Aluminized Steel Gate And Post, Add	356.28	
			For Powder Coated Gate And Post, Add	192.98	
			For 1" Mesh Fabric, Add	322.87	
			For 1-1/4" Mesh Fabric, Add	207.83	
			For 1-3/4" Mesh Fabric, Add	129.15	
			For 2-1/8" Mesh Fabric, Deduct	-64.57	
32 31 13 13-0354	EA	6'	Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	979.02	41.87
			For Gate With Single Barb Wire Arm, Add	93.87	
			For Gate With Double Barb Wire Arm, Add	136.54	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-160.01	
			For Aluminized Steel Gate And Post, Add	409.63	
			For Powder Coated Gate And Post, Add	221.88	
			For 1" Mesh Fabric, Add	371.23	
			For 1-1/4" Mesh Fabric, Add	238.95	
			For 1-3/4" Mesh Fabric, Add	148.49	
			For 2-1/8" Mesh Fabric, Deduct	-74.25	
32 31 13 13-0355	EA	7'	Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	1,116.09	50.45
			For Gate With Single Barb Wire Arm, Add	106.10	
			For Gate With Double Barb Wire Arm, Add	154.33	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-180.85	
			For Aluminized Steel Gate And Post, Add	462.98	
			For Powder Coated Gate And Post, Add	250.78	
			For 1" Mesh Fabric, Add	419.58	
			For 1-1/4" Mesh Fabric, Add	270.07	
			For 1-3/4" Mesh Fabric, Add	167.83	
			For 2-1/8" Mesh Fabric, Deduct	-83.92	
32 31 13 13-0356	EA	8'	Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	1,252.19	58.73
			For Gate With Single Barb Wire Arm, Add	118.33	
			For Gate With Double Barb Wire Arm, Add	172.11	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-201.70	
			For Aluminized Steel Gate And Post, Add	516.34	
			For Powder Coated Gate And Post, Add	279.68	
			For 1" Mesh Fabric, Add	467.93	
			For 1-1/4" Mesh Fabric, Add	301.20	
			For 1-3/4" Mesh Fabric, Add	187.17	
			For 2-1/8" Mesh Fabric, Deduct	-93.59	
32 31 13 13-0357	EA	9'	Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	1,389.26	67.40
			For Gate With Single Barb Wire Arm, Add	130.55	
			For Gate With Double Barb Wire Arm, Add	189.90	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-222.54	
			For Aluminized Steel Gate And Post, Add	569.69	
			For Powder Coated Gate And Post, Add	308.58	
			For 1" Mesh Fabric, Add	516.28	
			For 1-1/4" Mesh Fabric, Add	332.32	
			For 1-3/4" Mesh Fabric, Add	206.51	
			For 2-1/8" Mesh Fabric, Deduct	-103.26	
32 31 13 13-0358	EA	10'	Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	1,526.33	76.07
			For Gate With Single Barb Wire Arm, Add	142.78	
			For Gate With Double Barb Wire Arm, Add	207.68	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-243.38	
			For Aluminized Steel Gate And Post, Add	623.05	
			For Powder Coated Gate And Post, Add	337.49	
			For 1" Mesh Fabric, Add	564.64	
			For 1-1/4" Mesh Fabric, Add	363.45	
			For 1-3/4" Mesh Fabric, Add	225.86	
			For 2-1/8" Mesh Fabric, Deduct	-112.93	
32 31 13 13-0359	EA	10'	Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	2,217.35	89.99
			For Gate With Single Barb Wire Arm, Add	214.18	
			For Gate With Double Barb Wire Arm, Add	311.53	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-365.07	
			For Aluminized Steel Gate And Post, Add	934.59	
			For Powder Coated Gate And Post, Add	506.24	
			For 1" Mesh Fabric, Add	846.97	
			For 1-1/4" Mesh Fabric, Add	545.18	
			For 1-3/4" Mesh Fabric, Add	338.79	
			For 2-1/8" Mesh Fabric, Deduct	-169.39	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 31 13 13-0360	EA	12' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	2,613.06	96.96
		For Gate With Single Barb Wire Arm, Add	255.42	
		For Gate With Double Barb Wire Arm, Add	371.52	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-435.37	
		For Aluminized Steel Gate And Post, Add	1,114.55	
		For Powder Coated Gate And Post, Add	603.71	
		For 1" Mesh Fabric, Add	1,010.06	
		For 1-1/4" Mesh Fabric, Add	650.15	
		For 1-3/4" Mesh Fabric, Add	404.02	
		For 2-1/8" Mesh Fabric, Deduct	-202.01	
32 31 13 13-0361	EA	14' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	3,017.78	105.01
		For Gate With Single Barb Wire Arm, Add	297.27	
		For Gate With Double Barb Wire Arm, Add	432.39	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-506.71	
		For Aluminized Steel Gate And Post, Add	1,297.17	
		For Powder Coated Gate And Post, Add	702.63	
		For 1" Mesh Fabric, Add	1,175.56	
		For 1-1/4" Mesh Fabric, Add	756.68	
		For 1-3/4" Mesh Fabric, Add	470.22	
		For 2-1/8" Mesh Fabric, Deduct	-235.11	
32 31 13 13-0362	EA	16' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	3,438.11	114.59
		For Gate With Single Barb Wire Arm, Add	340.35	
		For Gate With Double Barb Wire Arm, Add	495.06	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-580.14	
		For Aluminized Steel Gate And Post, Add	1,485.17	
		For Powder Coated Gate And Post, Add	804.47	
		For 1" Mesh Fabric, Add	1,345.93	
		For 1-1/4" Mesh Fabric, Add	866.35	
		For 1-3/4" Mesh Fabric, Add	538.37	
		For 2-1/8" Mesh Fabric, Deduct	-269.19	
32 31 13 13-0363	EA	18' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	3,864.17	126.05
		For Gate With Single Barb Wire Arm, Add	383.43	
		For Gate With Double Barb Wire Arm, Add	557.72	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-653.58	
		For Aluminized Steel Gate And Post, Add	1,673.16	
		For Powder Coated Gate And Post, Add	906.30	
		For 1" Mesh Fabric, Add	1,516.31	
		For 1-1/4" Mesh Fabric, Add	976.01	
		For 1-3/4" Mesh Fabric, Add	606.52	
		For 2-1/8" Mesh Fabric, Deduct	-303.26	
32 31 13 13-0364	EA	20' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	4,292.28	140.01
		For Gate With Single Barb Wire Arm, Add	425.90	
		For Gate With Double Barb Wire Arm, Add	619.49	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-725.97	
		For Aluminized Steel Gate And Post, Add	1,858.47	
		For Powder Coated Gate And Post, Add	1,006.67	
		For 1" Mesh Fabric, Add	1,684.24	
		For 1-1/4" Mesh Fabric, Add	1,084.11	
		For 1-3/4" Mesh Fabric, Add	673.70	
		For 2-1/8" Mesh Fabric, Deduct	-336.85	
32 31 13 13-0365	EA	22' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	4,725.31	157.51
		For Gate With Single Barb Wire Arm, Add	467.75	
		For Gate With Double Barb Wire Arm, Add	680.37	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-797.30	
		For Aluminized Steel Gate And Post, Add	2,041.10	
		For Powder Coated Gate And Post, Add	1,105.60	
		For 1" Mesh Fabric, Add	1,849.75	
		For 1-1/4" Mesh Fabric, Add	1,190.64	
		For 1-3/4" Mesh Fabric, Add	739.90	
		For 2-1/8" Mesh Fabric, Deduct	-369.95	
32 31 13 13-0366	EA	24' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	5,184.54	179.98
		For Gate With Single Barb Wire Arm, Add	510.83	
		For Gate With Double Barb Wire Arm, Add	743.03	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-870.74	
		For Aluminized Steel Gate And Post, Add	2,229.10	
		For Powder Coated Gate And Post, Add	1,207.43	
		For 1" Mesh Fabric, Add	2,020.12	
		For 1-1/4" Mesh Fabric, Add	1,300.31	
		For 1-3/4" Mesh Fabric, Add	808.05	
		For 2-1/8" Mesh Fabric, Deduct	-404.02	
32 31 13 13-0367	EA	26' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	5,666.30	210.02
		For Gate With Single Barb Wire Arm, Add	553.92	
		For Gate With Double Barb Wire Arm, Add	805.70	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-944.18	
		For Aluminized Steel Gate And Post, Add	2,417.09	
		For Powder Coated Gate And Post, Add	1,309.26	
		For 1" Mesh Fabric, Add	2,190.49	
		For 1-1/4" Mesh Fabric, Add	1,409.97	
		For 1-3/4" Mesh Fabric, Add	876.20	
		For 2-1/8" Mesh Fabric, Deduct	-438.10	
32 31 13 13-0368	EA	28' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	6,178.49	252.00
		For Gate With Single Barb Wire Arm, Add	596.38	
		For Gate With Double Barb Wire Arm, Add	867.47	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-1,016.56	
		For Aluminized Steel Gate And Post, Add	2,602.40	
		For Powder Coated Gate And Post, Add	1,409.63	
		For 1" Mesh Fabric, Add	2,358.43	
		For 1-1/4" Mesh Fabric, Add	1,518.07	
		For 1-3/4" Mesh Fabric, Add	943.37	
		For 2-1/8" Mesh Fabric, Deduct	-471.69	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0369	EA	30'	Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	6,753.76	315.03
			For Gate With Single Barb Wire Arm, Add	638.85	
			For Gate With Double Barb Wire Arm, Add	929.24	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-1,088.95	
			For Aluminized Steel Gate And Post, Add	2,787.71	
			For Powder Coated Gate And Post, Add	1,510.01	
			For 1" Mesh Fabric, Add	2,526.36	
			For 1-1/4" Mesh Fabric, Add	1,626.16	
			For 1-3/4" Mesh Fabric, Add	1,010.55	
			For 2-1/8" Mesh Fabric, Deduct	-505.27	
32 31 13 13-0370			10' Fence Height (32 31 13 13-0269)		
32 31 13 13-0371	EA	3'	Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	722.85	36.89
			For Gate With Single Barb Wire Arm, Add	67.33	
			For Gate With Double Barb Wire Arm, Add	97.93	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-114.76	
			For Aluminized Steel Gate And Post, Add	293.79	
			For Powder Coated Gate And Post, Add	159.14	
			For 1" Mesh Fabric, Add	266.25	
			For 1-1/4" Mesh Fabric, Add	171.38	
			For 1-3/4" Mesh Fabric, Add	106.50	
			For 2-1/8" Mesh Fabric, Deduct	-53.25	
32 31 13 13-0372	EA	4'	Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	926.87	36.89
			For Gate With Single Barb Wire Arm, Add	89.77	
			For Gate With Double Barb Wire Arm, Add	130.57	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-153.02	
			For Aluminized Steel Gate And Post, Add	391.72	
			For Powder Coated Gate And Post, Add	212.18	
			For 1" Mesh Fabric, Add	355.00	
			For 1-1/4" Mesh Fabric, Add	228.51	
			For 1-3/4" Mesh Fabric, Add	142.00	
			For 2-1/8" Mesh Fabric, Deduct	-71.00	
32 31 13 13-0373	EA	5'	Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	1,075.49	38.48
			For Gate With Single Barb Wire Arm, Add	105.58	
			For Gate With Double Barb Wire Arm, Add	153.57	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-179.97	
			For Aluminized Steel Gate And Post, Add	460.72	
			For Powder Coated Gate And Post, Add	249.56	
			For 1" Mesh Fabric, Add	417.53	
			For 1-1/4" Mesh Fabric, Add	268.76	
			For 1-3/4" Mesh Fabric, Add	167.01	
			For 2-1/8" Mesh Fabric, Deduct	-83.51	
32 31 13 13-0374	EA	6'	Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	1,247.16	47.86
			For Gate With Single Barb Wire Arm, Add	121.39	
			For Gate With Double Barb Wire Arm, Add	176.57	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-206.92	
			For Aluminized Steel Gate And Post, Add	529.72	
			For Powder Coated Gate And Post, Add	286.93	
			For 1" Mesh Fabric, Add	480.06	
			For 1-1/4" Mesh Fabric, Add	309.01	
			For 1-3/4" Mesh Fabric, Add	192.02	
			For 2-1/8" Mesh Fabric, Deduct	-96.01	
32 31 13 13-0375	EA	7'	Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	1,418.20	56.73
			For Gate With Single Barb Wire Arm, Add	137.20	
			For Gate With Double Barb Wire Arm, Add	199.57	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-233.87	
			For Aluminized Steel Gate And Post, Add	598.70	
			For Powder Coated Gate And Post, Add	324.30	
			For 1" Mesh Fabric, Add	542.57	
			For 1-1/4" Mesh Fabric, Add	349.24	
			For 1-3/4" Mesh Fabric, Add	217.03	
			For 2-1/8" Mesh Fabric, Deduct	-108.51	
32 31 13 13-0376	EA	8'	Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	1,589.44	66.10
			For Gate With Single Barb Wire Arm, Add	153.01	
			For Gate With Double Barb Wire Arm, Add	222.57	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-260.82	
			For Aluminized Steel Gate And Post, Add	667.70	
			For Powder Coated Gate And Post, Add	361.67	
			For 1" Mesh Fabric, Add	605.10	
			For 1-1/4" Mesh Fabric, Add	389.49	
			For 1-3/4" Mesh Fabric, Add	242.04	
			For 2-1/8" Mesh Fabric, Deduct	-121.02	
32 31 13 13-0377	EA	9'	Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	1,760.10	75.07
			For Gate With Single Barb Wire Arm, Add	168.83	
			For Gate With Double Barb Wire Arm, Add	245.57	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-287.77	
			For Aluminized Steel Gate And Post, Add	736.70	
			For Powder Coated Gate And Post, Add	399.05	
			For 1" Mesh Fabric, Add	667.63	
			For 1-1/4" Mesh Fabric, Add	429.74	
			For 1-3/4" Mesh Fabric, Add	267.05	
			For 2-1/8" Mesh Fabric, Deduct	-133.53	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 31 13 13-0378	EA	10' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire.....	1,931.79	84.35
		For Gate With Single Barb Wire Arm, Add	184.64	
		For Gate With Double Barb Wire Arm, Add	268.57	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-314.73	
		For Aluminized Steel Gate And Post, Add	805.70	
		For Powder Coated Gate And Post, Add	436.42	
		For 1" Mesh Fabric, Add	730.16	
		For 1-1/4" Mesh Fabric, Add	469.99	
		For 1-3/4" Mesh Fabric, Add	292.07	
		For 2-1/8" Mesh Fabric, Deduct	-146.03	
32 31 13 13-0379	EA	10' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	2,818.11	100.04
		For Gate With Single Barb Wire Arm, Add	276.96	
		For Gate With Double Barb Wire Arm, Add	402.84	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-472.08	
		For Aluminized Steel Gate And Post, Add	1,208.53	
		For Powder Coated Gate And Post, Add	654.62	
		For 1" Mesh Fabric, Add	1,095.23	
		For 1-1/4" Mesh Fabric, Add	704.98	
		For 1-3/4" Mesh Fabric, Add	438.09	
		For 2-1/8" Mesh Fabric, Deduct	-219.05	
32 31 13 13-0380	EA	12' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	3,064.97	107.61
		For Gate With Single Barb Wire Arm, Add	301.58	
		For Gate With Double Barb Wire Arm, Add	438.66	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-514.06	
		For Aluminized Steel Gate And Post, Add	1,315.99	
		For Powder Coated Gate And Post, Add	712.83	
		For 1" Mesh Fabric, Add	1,192.62	
		For 1-1/4" Mesh Fabric, Add	767.66	
		For 1-3/4" Mesh Fabric, Add	477.05	
		For 2-1/8" Mesh Fabric, Deduct	-238.52	
32 31 13 13-0381	EA	14' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	3,494.84	116.72
		For Gate With Single Barb Wire Arm, Add	345.89	
		For Gate With Double Barb Wire Arm, Add	503.11	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-589.59	
		For Aluminized Steel Gate And Post, Add	1,509.34	
		For Powder Coated Gate And Post, Add	817.56	
		For 1" Mesh Fabric, Add	1,367.84	
		For 1-1/4" Mesh Fabric, Add	880.45	
		For 1-3/4" Mesh Fabric, Add	547.14	
		For 2-1/8" Mesh Fabric, Deduct	-273.57	
32 31 13 13-0382	EA	16' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	3,974.15	127.24
		For Gate With Single Barb Wire Arm, Add	395.13	
		For Gate With Double Barb Wire Arm, Add	574.73	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-673.51	
		For Aluminized Steel Gate And Post, Add	1,724.19	
		For Powder Coated Gate And Post, Add	933.94	
		For 1" Mesh Fabric, Add	1,562.55	
		For 1-1/4" Mesh Fabric, Add	1,005.78	
		For 1-3/4" Mesh Fabric, Add	625.02	
		For 2-1/8" Mesh Fabric, Deduct	-312.51	
32 31 13 13-0383	EA	18' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	4,460.14	140.01
		For Gate With Single Barb Wire Arm, Add	444.36	
		For Gate With Double Barb Wire Arm, Add	646.35	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-757.44	
		For Aluminized Steel Gate And Post, Add	1,939.05	
		For Powder Coated Gate And Post, Add	1,050.32	
		For 1" Mesh Fabric, Add	1,757.26	
		For 1-1/4" Mesh Fabric, Add	1,131.11	
		For 1-3/4" Mesh Fabric, Add	702.90	
		For 2-1/8" Mesh Fabric, Deduct	-351.45	
32 31 13 13-0384	EA	20' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	4,957.02	155.51
		For Gate With Single Barb Wire Arm, Add	493.91	
		For Gate With Double Barb Wire Arm, Add	718.41	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-841.89	
		For Aluminized Steel Gate And Post, Add	2,155.24	
		For Powder Coated Gate And Post, Add	1,167.42	
		For 1" Mesh Fabric, Add	1,953.18	
		For 1-1/4" Mesh Fabric, Add	1,257.22	
		For 1-3/4" Mesh Fabric, Add	781.27	
		For 2-1/8" Mesh Fabric, Deduct	-390.64	
32 31 13 13-0385	EA	22' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	5,466.06	175.02
		For Gate With Single Barb Wire Arm, Add	543.45	
		For Gate With Double Barb Wire Arm, Add	790.48	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-926.34	
		For Aluminized Steel Gate And Post, Add	2,371.44	
		For Powder Coated Gate And Post, Add	1,284.53	
		For 1" Mesh Fabric, Add	2,149.11	
		For 1-1/4" Mesh Fabric, Add	1,383.34	
		For 1-3/4" Mesh Fabric, Add	859.65	
		For 2-1/8" Mesh Fabric, Deduct	-429.82	
32 31 13 13-0386	EA	24' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	5,988.37	199.84
		For Gate With Single Barb Wire Arm, Add	592.69	
		For Gate With Double Barb Wire Arm, Add	862.10	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-1,010.27	
		For Aluminized Steel Gate And Post, Add	2,586.29	
		For Powder Coated Gate And Post, Add	1,400.91	
		For 1" Mesh Fabric, Add	2,343.82	
		For 1-1/4" Mesh Fabric, Add	1,508.67	
		For 1-3/4" Mesh Fabric, Add	937.53	
		For 2-1/8" Mesh Fabric, Deduct	-468.76	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0387	EA	26'	Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	6,536.48	233.31
			For Gate With Single Barb Wire Arm, Add	641.93	
			For Gate With Double Barb Wire Arm, Add	933.71	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-1,094.20	
			For Aluminized Steel Gate And Post, Add	2,801.14	
			For Powder Coated Gate And Post, Add	1,517.28	
			For 1" Mesh Fabric, Add	2,538.53	
			For 1-1/4" Mesh Fabric, Add	1,634.00	
			For 1-3/4" Mesh Fabric, Add	1,015.41	
			For 2-1/8" Mesh Fabric, Deduct	-507.71	
32 31 13 13-0388	EA	28'	Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	7,123.49	279.79
			For Gate With Single Barb Wire Arm, Add	691.17	
			For Gate With Double Barb Wire Arm, Add	1,005.33	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-1,178.12	
			For Aluminized Steel Gate And Post, Add	3,015.99	
			For Powder Coated Gate And Post, Add	1,633.66	
			For 1" Mesh Fabric, Add	2,733.24	
			For 1-1/4" Mesh Fabric, Add	1,759.33	
			For 1-3/4" Mesh Fabric, Add	1,093.30	
			For 2-1/8" Mesh Fabric, Deduct	-546.65	
32 31 13 13-0389	EA	30'	Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	7,787.66	350.03
			For Gate With Single Barb Wire Arm, Add	741.02	
			For Gate With Double Barb Wire Arm, Add	1,077.84	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-1,263.10	
			For Aluminized Steel Gate And Post, Add	3,233.53	
			For Powder Coated Gate And Post, Add	1,751.50	
			For 1" Mesh Fabric, Add	2,930.39	
			For 1-1/4" Mesh Fabric, Add	1,886.23	
			For 1-3/4" Mesh Fabric, Add	1,172.15	
			For 2-1/8" Mesh Fabric, Deduct	-586.08	
32 31 13 13-0390 12' Fence Height (32 31 13 13-0269)					
32 31 13 13-0391	EA	3'	Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	906.54	40.97
			For Gate With Single Barb Wire Arm, Add	86.18	
			For Gate With Double Barb Wire Arm, Add	125.35	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-146.90	
			For Aluminized Steel Gate And Post, Add	376.06	
			For Powder Coated Gate And Post, Add	203.70	
			For 1" Mesh Fabric, Add	340.80	
			For 1-1/4" Mesh Fabric, Add	219.37	
			For 1-3/4" Mesh Fabric, Add	136.32	
			For 2-1/8" Mesh Fabric, Deduct	-68.16	
32 31 13 13-0392	EA	4'	Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	1,167.68	40.97
			For Gate With Single Barb Wire Arm, Add	114.90	
			For Gate With Double Barb Wire Arm, Add	167.13	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-195.86	
			For Aluminized Steel Gate And Post, Add	501.40	
			For Powder Coated Gate And Post, Add	271.59	
			For 1" Mesh Fabric, Add	454.40	
			For 1-1/4" Mesh Fabric, Add	292.49	
			For 1-3/4" Mesh Fabric, Add	181.76	
			For 2-1/8" Mesh Fabric, Deduct	-90.88	
32 31 13 13-0393	EA	5'	Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	1,356.21	42.47
			For Gate With Single Barb Wire Arm, Add	135.15	
			For Gate With Double Barb Wire Arm, Add	196.58	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-230.36	
			For Aluminized Steel Gate And Post, Add	589.73	
			For Powder Coated Gate And Post, Add	319.44	
			For 1" Mesh Fabric, Add	534.44	
			For 1-1/4" Mesh Fabric, Add	344.01	
			For 1-3/4" Mesh Fabric, Add	213.78	
			For 2-1/8" Mesh Fabric, Deduct	-106.89	
32 31 13 13-0394	EA	6'	Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	1,571.11	52.74
			For Gate With Single Barb Wire Arm, Add	155.38	
			For Gate With Double Barb Wire Arm, Add	226.01	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-264.86	
			For Aluminized Steel Gate And Post, Add	678.04	
			For Powder Coated Gate And Post, Add	367.27	
			For 1" Mesh Fabric, Add	614.47	
			For 1-1/4" Mesh Fabric, Add	395.52	
			For 1-3/4" Mesh Fabric, Add	245.79	
			For 2-1/8" Mesh Fabric, Deduct	-122.89	
32 31 13 13-0395	EA	7'	Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	660.70	63.11
			For Gate With Single Barb Wire Arm, Add	51.84	
			For Gate With Double Barb Wire Arm, Add	75.40	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-88.36	
			For Aluminized Steel Gate And Post, Add	226.20	
			For Powder Coated Gate And Post, Add	122.53	
			For 1" Mesh Fabric, Add	205.00	
			For 1-1/4" Mesh Fabric, Add	131.95	
			For 1-3/4" Mesh Fabric, Add	82.00	
			For 2-1/8" Mesh Fabric, Deduct	-41.00	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 31 13 13-0396	EA	8' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	744.92	73.08
		For Gate With Single Barb Wire Arm, Add	57.81	
		For Gate With Double Barb Wire Arm, Add	84.09	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-98.54	
		For Aluminized Steel Gate And Post, Add	252.27	
		For Powder Coated Gate And Post, Add	136.65	
		For 1" Mesh Fabric, Add	228.62	
		For 1-1/4" Mesh Fabric, Add	147.16	
		For 1-3/4" Mesh Fabric, Add	91.45	
		For 2-1/8" Mesh Fabric, Deduct	-45.72	
32 31 13 13-0397	EA	9' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	830.14	83.35
		For Gate With Single Barb Wire Arm, Add	63.79	
		For Gate With Double Barb Wire Arm, Add	92.78	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-108.73	
		For Aluminized Steel Gate And Post, Add	278.34	
		For Powder Coated Gate And Post, Add	150.77	
		For 1" Mesh Fabric, Add	252.25	
		For 1-1/4" Mesh Fabric, Add	162.37	
		For 1-3/4" Mesh Fabric, Add	100.90	
		For 2-1/8" Mesh Fabric, Deduct	-50.45	
32 31 13 13-0398	EA	10' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	915.36	93.62
		For Gate With Single Barb Wire Arm, Add	69.76	
		For Gate With Double Barb Wire Arm, Add	101.47	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-118.91	
		For Aluminized Steel Gate And Post, Add	304.41	
		For Powder Coated Gate And Post, Add	164.89	
		For 1" Mesh Fabric, Add	275.87	
		For 1-1/4" Mesh Fabric, Add	177.57	
		For 1-3/4" Mesh Fabric, Add	110.35	
		For 2-1/8" Mesh Fabric, Deduct	-55.17	
32 31 13 13-0399	EA	10' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	1,217.28	111.16
		For Gate With Single Barb Wire Arm, Add	97.19	
		For Gate With Double Barb Wire Arm, Add	141.37	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-165.67	
		For Aluminized Steel Gate And Post, Add	424.12	
		For Powder Coated Gate And Post, Add	229.73	
		For 1" Mesh Fabric, Add	384.36	
		For 1-1/4" Mesh Fabric, Add	247.40	
		For 1-3/4" Mesh Fabric, Add	153.74	
		For 2-1/8" Mesh Fabric, Deduct	-76.87	
32 31 13 13-0400	EA	12' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	1,330.28	119.67
		For Gate With Single Barb Wire Arm, Add	106.82	
		For Gate With Double Barb Wire Arm, Add	155.38	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-182.09	
		For Aluminized Steel Gate And Post, Add	466.14	
		For Powder Coated Gate And Post, Add	252.49	
		For 1" Mesh Fabric, Add	422.44	
		For 1-1/4" Mesh Fabric, Add	271.91	
		For 1-3/4" Mesh Fabric, Add	168.97	
		For 2-1/8" Mesh Fabric, Deduct	-84.49	
32 31 13 13-0401	EA	14' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	1,502.47	129.61
		For Gate With Single Barb Wire Arm, Add	122.45	
		For Gate With Double Barb Wire Arm, Add	178.10	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-208.72	
		For Aluminized Steel Gate And Post, Add	534.31	
		For Powder Coated Gate And Post, Add	289.42	
		For 1" Mesh Fabric, Add	484.22	
		For 1-1/4" Mesh Fabric, Add	311.68	
		For 1-3/4" Mesh Fabric, Add	193.69	
		For 2-1/8" Mesh Fabric, Deduct	-96.84	
32 31 13 13-0402	EA	16' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	1,696.31	141.31
		For Gate With Single Barb Wire Arm, Add	139.89	
		For Gate With Double Barb Wire Arm, Add	203.47	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-238.44	
		For Aluminized Steel Gate And Post, Add	610.42	
		For Powder Coated Gate And Post, Add	330.64	
		For 1" Mesh Fabric, Add	553.19	
		For 1-1/4" Mesh Fabric, Add	356.08	
		For 1-3/4" Mesh Fabric, Add	221.28	
		For 2-1/8" Mesh Fabric, Deduct	-110.64	
32 31 13 13-0403	EA	18' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	5,312.31	155.63
		For Gate With Single Barb Wire Arm, Add	532.99	
		For Gate With Double Barb Wire Arm, Add	775.26	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-908.51	
		For Aluminized Steel Gate And Post, Add	2,325.78	
		For Powder Coated Gate And Post, Add	1,259.80	
		For 1" Mesh Fabric, Add	2,107.74	
		For 1-1/4" Mesh Fabric, Add	1,356.70	
		For 1-3/4" Mesh Fabric, Add	843.09	
		For 2-1/8" Mesh Fabric, Deduct	-421.55	
32 31 13 13-0404	EA	20' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	5,906.76	172.76
		For Gate With Single Barb Wire Arm, Add	592.69	
		For Gate With Double Barb Wire Arm, Add	862.10	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-1,010.27	
		For Aluminized Steel Gate And Post, Add	2,586.29	
		For Powder Coated Gate And Post, Add	1,400.91	
		For 1" Mesh Fabric, Add	2,343.82	
		For 1-1/4" Mesh Fabric, Add	1,508.67	
		For 1-3/4" Mesh Fabric, Add	937.53	
		For 2-1/8" Mesh Fabric, Deduct	-468.76	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0405	EA	22'	Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	6,509.19	194.40
			For Gate With Single Barb Wire Arm, Add	651.78	
			For Gate With Double Barb Wire Arm, Add	948.04	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-1,110.98	
			For Aluminized Steel Gate And Post, Add	2,844.11	
			For Powder Coated Gate And Post, Add	1,540.56	
			For 1" Mesh Fabric, Add	2,577.48	
			For 1-1/4" Mesh Fabric, Add	1,659.06	
			For 1-3/4" Mesh Fabric, Add	1,030.99	
			For 2-1/8" Mesh Fabric, Deduct	-515.50	
32 31 13 13-0406	EA	24'	Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	7,134.93	222.08
			For Gate With Single Barb Wire Arm, Add	711.48	
			For Gate With Double Barb Wire Arm, Add	1,034.87	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-1,212.74	
			For Aluminized Steel Gate And Post, Add	3,104.62	
			For Powder Coated Gate And Post, Add	1,681.67	
			For 1" Mesh Fabric, Add	2,813.56	
			For 1-1/4" Mesh Fabric, Add	1,811.03	
			For 1-3/4" Mesh Fabric, Add	1,125.43	
			For 2-1/8" Mesh Fabric, Deduct	-562.71	
32 31 13 13-0407	EA	26'	Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	7,778.12	259.33
			For Gate With Single Barb Wire Arm, Add	769.95	
			For Gate With Double Barb Wire Arm, Add	1,119.92	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-1,312.41	
			For Aluminized Steel Gate And Post, Add	3,359.76	
			For Powder Coated Gate And Post, Add	1,819.87	
			For 1" Mesh Fabric, Add	3,044.78	
			For 1-1/4" Mesh Fabric, Add	1,959.86	
			For 1-3/4" Mesh Fabric, Add	1,217.91	
			For 2-1/8" Mesh Fabric, Deduct	-608.96	
32 31 13 13-0408	EA	28'	Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	8,470.15	310.89
			For Gate With Single Barb Wire Arm, Add	829.03	
			For Gate With Double Barb Wire Arm, Add	1,205.86	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-1,413.12	
			For Aluminized Steel Gate And Post, Add	3,617.58	
			For Powder Coated Gate And Post, Add	1,959.52	
			For 1" Mesh Fabric, Add	3,278.43	
			For 1-1/4" Mesh Fabric, Add	2,110.26	
			For 1-3/4" Mesh Fabric, Add	1,311.37	
			For 2-1/8" Mesh Fabric, Deduct	-655.69	
32 31 13 13-0409	EA	30'	Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	9,247.29	388.94
			For Gate With Single Barb Wire Arm, Add	888.73	
			For Gate With Double Barb Wire Arm, Add	1,292.70	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-1,514.88	
			For Aluminized Steel Gate And Post, Add	3,878.09	
			For Powder Coated Gate And Post, Add	2,100.63	
			For 1" Mesh Fabric, Add	3,514.52	
			For 1-1/4" Mesh Fabric, Add	2,262.22	
			For 1-3/4" Mesh Fabric, Add	1,405.81	
			For 2-1/8" Mesh Fabric, Deduct	-702.90	
32 31 13 13-0410	Vinyl Coated Without Barb Wire Arm (32 31 13 13-0268)				
	Note: Industrial swing gate. Includes posts (3" diameter posts for up to 6' wide gate, 4" diameter to 13' wide, 6-5/8" diameter for 18' wide, 8-5/8" diameter for over 18' wide), 2" diameter schedule pipe frame, offset hinges, cap and hardware (drop rod, center locking device, gate keeper, catch bolt and tension bands). Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating.				
32 31 13 13-0411	4' Fence Height (32 31 13 13-0410)				
32 31 13 13-0412	EA	3'	Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	184.99	24.93
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-20.66	
			For 1" Mesh Fabric, Add	47.94	
			For 1-1/4" Mesh Fabric, Add	30.86	
			For 1-3/4" Mesh Fabric, Add	19.18	
			For 2-1/8" Mesh Fabric, Deduct	-9.59	
			For Gate With Single Barb Wire Arm, Add	12.12	
			For Gate With Double Barb Wire Arm, Add	17.63	
32 31 13 13-0413	EA	4'	Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	221.72	24.93
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-27.55	
			For 1" Mesh Fabric, Add	63.92	
			For 1-1/4" Mesh Fabric, Add	41.14	
			For 1-3/4" Mesh Fabric, Add	25.57	
			For 2-1/8" Mesh Fabric, Deduct	-12.78	
			For Gate With Single Barb Wire Arm, Add	16.16	
			For Gate With Double Barb Wire Arm, Add	23.51	
32 31 13 13-0414	EA	5'	Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	257.33	26.52
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-33.29	
			For 1" Mesh Fabric, Add	77.24	
			For 1-1/4" Mesh Fabric, Add	49.72	
			For 1-3/4" Mesh Fabric, Add	30.90	
			For 2-1/8" Mesh Fabric, Deduct	-15.45	
			For Gate With Single Barb Wire Arm, Add	19.53	
			For Gate With Double Barb Wire Arm, Add	28.41	
32 31 13 13-0415	EA	6'	Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	303.89	31.91
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-39.03	
			For 1" Mesh Fabric, Add	90.55	
			For 1-1/4" Mesh Fabric, Add	58.29	
			For 1-3/4" Mesh Fabric, Add	36.22	
			For 2-1/8" Mesh Fabric, Deduct	-18.11	
			For Gate With Single Barb Wire Arm, Add	22.90	
			For Gate With Double Barb Wire Arm, Add	33.31	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

32 31 13 13-0416	EA	7' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	350.43	37.19
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-44.77	
		For 1" Mesh Fabric, Add	103.86	
		For 1-1/4" Mesh Fabric, Add	66.86	
		For 1-3/4" Mesh Fabric, Add	41.55	
		For 2-1/8" Mesh Fabric, Deduct	-20.77	
		For Gate With Single Barb Wire Arm, Add	26.26	
		For Gate With Double Barb Wire Arm, Add	38.20	
32 31 13 13-0417	EA	8' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	397.01	42.47
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-50.51	
		For 1" Mesh Fabric, Add	117.19	
		For 1-1/4" Mesh Fabric, Add	75.43	
		For 1-3/4" Mesh Fabric, Add	46.88	
		For 2-1/8" Mesh Fabric, Deduct	-23.44	
		For Gate With Single Barb Wire Arm, Add	29.63	
		For Gate With Double Barb Wire Arm, Add	43.10	
32 31 13 13-0418	EA	9' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	443.59	47.86
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-56.25	
		For 1" Mesh Fabric, Add	130.50	
		For 1-1/4" Mesh Fabric, Add	84.00	
		For 1-3/4" Mesh Fabric, Add	52.20	
		For 2-1/8" Mesh Fabric, Deduct	-26.10	
		For Gate With Single Barb Wire Arm, Add	33.00	
		For Gate With Double Barb Wire Arm, Add	48.00	
32 31 13 13-0419	EA	10' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	490.13	53.14
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-61.99	
		For 1" Mesh Fabric, Add	143.82	
		For 1-1/4" Mesh Fabric, Add	92.57	
		For 1-3/4" Mesh Fabric, Add	57.53	
		For 2-1/8" Mesh Fabric, Deduct	-28.76	
		For Gate With Single Barb Wire Arm, Add	36.37	
		For Gate With Double Barb Wire Arm, Add	52.90	
32 31 13 13-0420	EA	10' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	600.34	53.14
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-82.65	
		For 1" Mesh Fabric, Add	191.76	
		For 1-1/4" Mesh Fabric, Add	123.43	
		For 1-3/4" Mesh Fabric, Add	76.70	
		For 2-1/8" Mesh Fabric, Deduct	-38.35	
		For Gate With Single Barb Wire Arm, Add	48.49	
		For Gate With Double Barb Wire Arm, Add	70.53	
32 31 13 13-0421	EA	12' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	699.90	56.93
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-99.19	
		For 1" Mesh Fabric, Add	230.11	
		For 1-1/4" Mesh Fabric, Add	148.12	
		For 1-3/4" Mesh Fabric, Add	92.04	
		For 2-1/8" Mesh Fabric, Deduct	-46.02	
		For Gate With Single Barb Wire Arm, Add	58.19	
		For Gate With Double Barb Wire Arm, Add	84.64	
32 31 13 13-0422	EA	14' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	801.21	61.32
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-115.72	
		For 1" Mesh Fabric, Add	268.46	
		For 1-1/4" Mesh Fabric, Add	172.80	
		For 1-3/4" Mesh Fabric, Add	107.38	
		For 2-1/8" Mesh Fabric, Deduct	-53.69	
		For Gate With Single Barb Wire Arm, Add	67.89	
		For Gate With Double Barb Wire Arm, Add	98.74	
32 31 13 13-0423	EA	16' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	904.72	66.40
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-132.25	
		For 1" Mesh Fabric, Add	306.81	
		For 1-1/4" Mesh Fabric, Add	197.49	
		For 1-3/4" Mesh Fabric, Add	122.73	
		For 2-1/8" Mesh Fabric, Deduct	-61.36	
		For Gate With Single Barb Wire Arm, Add	77.59	
		For Gate With Double Barb Wire Arm, Add	112.85	
32 31 13 13-0424	EA	18' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,045.75	83.96
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-148.78	
		For 1" Mesh Fabric, Add	345.16	
		For 1-1/4" Mesh Fabric, Add	222.17	
		For 1-3/4" Mesh Fabric, Add	138.07	
		For 2-1/8" Mesh Fabric, Deduct	-69.03	
		For Gate With Single Barb Wire Arm, Add	87.28	
		For Gate With Double Barb Wire Arm, Add	126.96	
32 31 13 13-0425	EA	20' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,151.93	89.99
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-165.31	
		For 1" Mesh Fabric, Add	383.51	
		For 1-1/4" Mesh Fabric, Add	246.86	
		For 1-3/4" Mesh Fabric, Add	153.41	
		For 2-1/8" Mesh Fabric, Deduct	-76.70	
		For Gate With Single Barb Wire Arm, Add	96.98	
		For Gate With Double Barb Wire Arm, Add	141.06	
32 31 13 13-0426	EA	22' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,260.90	96.96
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-181.84	
		For 1" Mesh Fabric, Add	421.87	
		For 1-1/4" Mesh Fabric, Add	271.55	
		For 1-3/4" Mesh Fabric, Add	168.75	
		For 2-1/8" Mesh Fabric, Deduct	-84.37	
		For Gate With Single Barb Wire Arm, Add	106.68	
		For Gate With Double Barb Wire Arm, Add	155.17	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0427	EA	24'	Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,373.31	105.01
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-198.37	
			For 1" Mesh Fabric, Add	460.22	
			For 1-1/4" Mesh Fabric, Add	296.23	
			For 1-3/4" Mesh Fabric, Add	184.09	
			For 2-1/8" Mesh Fabric, Deduct	-92.04	
			For Gate With Single Barb Wire Arm, Add	116.38	
			For Gate With Double Barb Wire Arm, Add	169.28	
32 31 13 13-0428	EA	26'	Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,490.15	114.59
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-214.90	
			For 1" Mesh Fabric, Add	498.57	
			For 1-1/4" Mesh Fabric, Add	320.92	
			For 1-3/4" Mesh Fabric, Add	199.43	
			For 2-1/8" Mesh Fabric, Deduct	-99.71	
			For Gate With Single Barb Wire Arm, Add	126.08	
			For Gate With Double Barb Wire Arm, Add	183.38	
32 31 13 13-0429	EA	28'	Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,612.71	126.05
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-231.43	
			For 1" Mesh Fabric, Add	536.92	
			For 1-1/4" Mesh Fabric, Add	345.60	
			For 1-3/4" Mesh Fabric, Add	214.77	
			For 2-1/8" Mesh Fabric, Deduct	-107.38	
			For Gate With Single Barb Wire Arm, Add	135.77	
			For Gate With Double Barb Wire Arm, Add	197.49	
32 31 13 13-0430	EA	30'	Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,742.93	140.01
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-247.96	
			For 1" Mesh Fabric, Add	575.27	
			For 1-1/4" Mesh Fabric, Add	370.29	
			For 1-3/4" Mesh Fabric, Add	230.11	
			For 2-1/8" Mesh Fabric, Deduct	-115.05	
			For Gate With Single Barb Wire Arm, Add	145.47	
			For Gate With Double Barb Wire Arm, Add	211.60	
32 31 13 13-0431			5' Fence Height (32 31 13 13-0410)		
32 31 13 13-0432	EA	3'	Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	216.33	26.52
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-25.61	
			For 1" Mesh Fabric, Add	59.40	
			For 1-1/4" Mesh Fabric, Add	38.24	
			For 1-3/4" Mesh Fabric, Add	23.76	
			For 2-1/8" Mesh Fabric, Deduct	-11.88	
			For Gate With Single Barb Wire Arm, Add	15.02	
			For Gate With Double Barb Wire Arm, Add	21.85	
32 31 13 13-0433	EA	4'	Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	261.85	26.52
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-34.14	
			For 1" Mesh Fabric, Add	79.20	
			For 1-1/4" Mesh Fabric, Add	50.98	
			For 1-3/4" Mesh Fabric, Add	31.68	
			For 2-1/8" Mesh Fabric, Deduct	-15.84	
			For Gate With Single Barb Wire Arm, Add	20.03	
			For Gate With Double Barb Wire Arm, Add	29.13	
32 31 13 13-0434	EA	5'	Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	300.98	28.21
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-40.54	
			For 1" Mesh Fabric, Add	94.06	
			For 1-1/4" Mesh Fabric, Add	60.54	
			For 1-3/4" Mesh Fabric, Add	37.62	
			For 2-1/8" Mesh Fabric, Deduct	-18.61	
			For Gate With Single Barb Wire Arm, Add	23.79	
			For Gate With Double Barb Wire Arm, Add	34.60	
32 31 13 13-0435	EA	6'	Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	352.05	33.90
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-46.94	
			For 1" Mesh Fabric, Add	108.91	
			For 1-1/4" Mesh Fabric, Add	70.10	
			For 1-3/4" Mesh Fabric, Add	43.56	
			For 2-1/8" Mesh Fabric, Deduct	-21.78	
			For Gate With Single Barb Wire Arm, Add	27.54	
			For Gate With Double Barb Wire Arm, Add	40.06	
32 31 13 13-0436	EA	7'	Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	403.16	39.48
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-53.35	
			For 1" Mesh Fabric, Add	123.76	
			For 1-1/4" Mesh Fabric, Add	79.66	
			For 1-3/4" Mesh Fabric, Add	49.50	
			For 2-1/8" Mesh Fabric, Deduct	-24.75	
			For Gate With Single Barb Wire Arm, Add	31.30	
			For Gate With Double Barb Wire Arm, Add	45.52	
32 31 13 13-0437	EA	8'	Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	455.23	45.47
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-59.75	
			For 1" Mesh Fabric, Add	138.61	
			For 1-1/4" Mesh Fabric, Add	89.22	
			For 1-3/4" Mesh Fabric, Add	55.44	
			For 2-1/8" Mesh Fabric, Deduct	-27.72	
			For Gate With Single Barb Wire Arm, Add	35.05	
			For Gate With Double Barb Wire Arm, Add	50.98	
32 31 13 13-0438	EA	9'	Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	506.33	51.15
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-66.15	
			For 1" Mesh Fabric, Add	153.46	
			For 1-1/4" Mesh Fabric, Add	98.78	
			For 1-3/4" Mesh Fabric, Add	61.39	
			For 2-1/8" Mesh Fabric, Deduct	-30.69	
			For Gate With Single Barb Wire Arm, Add	38.81	
			For Gate With Double Barb Wire Arm, Add	56.45	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

32 31 13 13-0439	EA	10' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	557.41	56.73
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-72.55	
		For 1" Mesh Fabric, Add	168.31	
		For 1-1/4" Mesh Fabric, Add	108.34	
		For 1-3/4" Mesh Fabric, Add	67.32	
		For 2-1/8" Mesh Fabric, Deduct	-33.66	
		For Gate With Single Barb Wire Arm, Add	42.56	
		For Gate With Double Barb Wire Arm, Add	61.91	
32 31 13 13-0440	EA	10' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	717.15	56.93
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-102.42	
		For 1" Mesh Fabric, Add	237.61	
		For 1-1/4" Mesh Fabric, Add	152.95	
		For 1-3/4" Mesh Fabric, Add	95.05	
		For 2-1/8" Mesh Fabric, Deduct	-47.52	
		For Gate With Single Barb Wire Arm, Add	60.09	
		For Gate With Double Barb Wire Arm, Add	87.40	
32 31 13 13-0441	EA	12' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	839.55	61.32
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-122.90	
		For 1" Mesh Fabric, Add	285.14	
		For 1-1/4" Mesh Fabric, Add	183.54	
		For 1-3/4" Mesh Fabric, Add	114.06	
		For 2-1/8" Mesh Fabric, Deduct	-57.03	
		For Gate With Single Barb Wire Arm, Add	72.10	
		For Gate With Double Barb Wire Arm, Add	104.88	
32 31 13 13-0442	EA	14' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	964.13	66.40
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-143.39	
		For 1" Mesh Fabric, Add	332.66	
		For 1-1/4" Mesh Fabric, Add	214.12	
		For 1-3/4" Mesh Fabric, Add	133.06	
		For 2-1/8" Mesh Fabric, Deduct	-66.53	
		For Gate With Single Barb Wire Arm, Add	84.12	
		For Gate With Double Barb Wire Arm, Add	122.36	
32 31 13 13-0443	EA	16' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,126.25	83.96
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-163.87	
		For 1" Mesh Fabric, Add	380.18	
		For 1-1/4" Mesh Fabric, Add	244.71	
		For 1-3/4" Mesh Fabric, Add	152.07	
		For 2-1/8" Mesh Fabric, Deduct	-76.04	
		For Gate With Single Barb Wire Arm, Add	96.14	
		For Gate With Double Barb Wire Arm, Add	139.84	
32 31 13 13-0444	EA	18' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,253.52	89.99
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-184.36	
		For 1" Mesh Fabric, Add	427.71	
		For 1-1/4" Mesh Fabric, Add	275.30	
		For 1-3/4" Mesh Fabric, Add	171.08	
		For 2-1/8" Mesh Fabric, Deduct	-85.54	
		For Gate With Single Barb Wire Arm, Add	108.16	
		For Gate With Double Barb Wire Arm, Add	157.32	
32 31 13 13-0445	EA	20' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,383.57	96.96
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-204.84	
		For 1" Mesh Fabric, Add	475.23	
		For 1-1/4" Mesh Fabric, Add	305.89	
		For 1-3/4" Mesh Fabric, Add	190.09	
		For 2-1/8" Mesh Fabric, Deduct	-95.05	
		For Gate With Single Barb Wire Arm, Add	120.17	
		For Gate With Double Barb Wire Arm, Add	174.80	
32 31 13 13-0446	EA	22' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,517.06	105.01
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-225.32	
		For 1" Mesh Fabric, Add	522.75	
		For 1-1/4" Mesh Fabric, Add	336.48	
		For 1-3/4" Mesh Fabric, Add	209.10	
		For 2-1/8" Mesh Fabric, Deduct	-104.55	
		For Gate With Single Barb Wire Arm, Add	132.19	
		For Gate With Double Barb Wire Arm, Add	192.28	
32 31 13 13-0447	EA	24' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,654.98	114.59
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-245.81	
		For 1" Mesh Fabric, Add	570.27	
		For 1-1/4" Mesh Fabric, Add	367.07	
		For 1-3/4" Mesh Fabric, Add	228.11	
		For 2-1/8" Mesh Fabric, Deduct	-114.05	
		For Gate With Single Barb Wire Arm, Add	144.21	
		For Gate With Double Barb Wire Arm, Add	209.76	
32 31 13 13-0448	EA	26' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,798.63	126.05
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-266.29	
		For 1" Mesh Fabric, Add	617.80	
		For 1-1/4" Mesh Fabric, Add	397.66	
		For 1-3/4" Mesh Fabric, Add	247.12	
		For 2-1/8" Mesh Fabric, Deduct	-123.56	
		For Gate With Single Barb Wire Arm, Add	156.22	
		For Gate With Double Barb Wire Arm, Add	227.24	
32 31 13 13-0449	EA	28' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,949.93	140.01
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-286.78	
		For 1" Mesh Fabric, Add	665.32	
		For 1-1/4" Mesh Fabric, Add	428.25	
		For 1-3/4" Mesh Fabric, Add	266.13	
		For 2-1/8" Mesh Fabric, Deduct	-133.06	
		For Gate With Single Barb Wire Arm, Add	168.24	
		For Gate With Double Barb Wire Arm, Add	244.72	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0450	EA	30'	Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,111.74	157.51
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-307.26	
			For 1" Mesh Fabric, Add	712.84	
			For 1-1/4" Mesh Fabric, Add	458.84	
			For 1-3/4" Mesh Fabric, Add	285.14	
			For 2-1/8" Mesh Fabric, Deduct	-142.57	
			For Gate With Single Barb Wire Arm, Add	180.26	
			For Gate With Double Barb Wire Arm, Add	262.20	
32 31 13 13-0451 6' Fence Height (32 31 13 13-0410)					
32 31 13 13-0452	EA	3'	Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	231.40	28.41
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-27.36	
			For 1" Mesh Fabric, Add	63.48	
			For 1-1/4" Mesh Fabric, Add	40.86	
			For 1-3/4" Mesh Fabric, Add	25.39	
			For 2-1/8" Mesh Fabric, Deduct	-12.70	
			For Gate With Single Barb Wire Arm, Add	16.05	
			For Gate With Double Barb Wire Arm, Add	23.35	
32 31 13 13-0453	EA	4'	Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	280.05	28.41
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-36.49	
			For 1" Mesh Fabric, Add	84.65	
			For 1-1/4" Mesh Fabric, Add	54.49	
			For 1-3/4" Mesh Fabric, Add	33.86	
			For 2-1/8" Mesh Fabric, Deduct	-16.93	
			For Gate With Single Barb Wire Arm, Add	21.40	
			For Gate With Double Barb Wire Arm, Add	31.13	
32 31 13 13-0454	EA	5'	Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	321.80	30.21
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-43.33	
			For 1" Mesh Fabric, Add	100.52	
			For 1-1/4" Mesh Fabric, Add	64.70	
			For 1-3/4" Mesh Fabric, Add	40.21	
			For 2-1/8" Mesh Fabric, Deduct	-20.10	
			For Gate With Single Barb Wire Arm, Add	25.42	
			For Gate With Double Barb Wire Arm, Add	36.97	
32 31 13 13-0455	EA	6'	Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	377.24	36.49
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-50.17	
			For 1" Mesh Fabric, Add	116.39	
			For 1-1/4" Mesh Fabric, Add	74.92	
			For 1-3/4" Mesh Fabric, Add	46.56	
			For 2-1/8" Mesh Fabric, Deduct	-23.28	
			For Gate With Single Barb Wire Arm, Add	29.43	
			For Gate With Double Barb Wire Arm, Add	42.81	
32 31 13 13-0456	EA	7'	Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	432.67	42.88
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-57.01	
			For 1" Mesh Fabric, Add	132.26	
			For 1-1/4" Mesh Fabric, Add	85.13	
			For 1-3/4" Mesh Fabric, Add	52.90	
			For 2-1/8" Mesh Fabric, Deduct	-26.45	
			For Gate With Single Barb Wire Arm, Add	33.45	
			For Gate With Double Barb Wire Arm, Add	48.65	
32 31 13 13-0457	EA	8'	Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	487.10	48.85
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-63.85	
			For 1" Mesh Fabric, Add	148.13	
			For 1-1/4" Mesh Fabric, Add	95.35	
			For 1-3/4" Mesh Fabric, Add	59.25	
			For 2-1/8" Mesh Fabric, Deduct	-29.63	
			For Gate With Single Barb Wire Arm, Add	37.46	
			For Gate With Double Barb Wire Arm, Add	54.49	
32 31 13 13-0458	EA	9'	Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	542.53	55.14
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-70.69	
			For 1" Mesh Fabric, Add	164.00	
			For 1-1/4" Mesh Fabric, Add	105.57	
			For 1-3/4" Mesh Fabric, Add	65.60	
			For 2-1/8" Mesh Fabric, Deduct	-32.80	
			For Gate With Single Barb Wire Arm, Add	41.47	
			For Gate With Double Barb Wire Arm, Add	60.32	
32 31 13 13-0459	EA	10'	Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	597.96	61.42
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-77.53	
			For 1" Mesh Fabric, Add	179.88	
			For 1-1/4" Mesh Fabric, Add	115.78	
			For 1-3/4" Mesh Fabric, Add	71.95	
			For 2-1/8" Mesh Fabric, Deduct	-35.98	
			For Gate With Single Barb Wire Arm, Add	45.49	
			For Gate With Double Barb Wire Arm, Add	66.16	
32 31 13 13-0460	EA	10'	Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	767.83	61.32
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-109.46	
			For 1" Mesh Fabric, Add	253.94	
			For 1-1/4" Mesh Fabric, Add	163.46	
			For 1-3/4" Mesh Fabric, Add	101.58	
			For 2-1/8" Mesh Fabric, Deduct	-50.79	
			For Gate With Single Barb Wire Arm, Add	64.21	
			For Gate With Double Barb Wire Arm, Add	93.40	
32 31 13 13-0461	EA	12'	Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	899.93	66.40
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-131.35	
			For 1" Mesh Fabric, Add	304.73	
			For 1-1/4" Mesh Fabric, Add	196.15	
			For 1-3/4" Mesh Fabric, Add	121.89	
			For 2-1/8" Mesh Fabric, Deduct	-60.95	
			For Gate With Single Barb Wire Arm, Add	77.06	
			For Gate With Double Barb Wire Arm, Add	112.08	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 31 13 13-0462	EA	14' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,087.57	89.99
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-153.24	
		For 1" Mesh Fabric, Add	355.52	
		For 1-1/4" Mesh Fabric, Add	228.84	
		For 1-3/4" Mesh Fabric, Add	142.21	
		For 2-1/8" Mesh Fabric, Deduct	-71.10	
		For Gate With Single Barb Wire Arm, Add	89.90	
		For Gate With Double Barb Wire Arm, Add	130.76	
32 31 13 13-0463	EA	16' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,225.13	96.96
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-175.13	
		For 1" Mesh Fabric, Add	406.31	
		For 1-1/4" Mesh Fabric, Add	261.53	
		For 1-3/4" Mesh Fabric, Add	162.52	
		For 2-1/8" Mesh Fabric, Deduct	-81.26	
		For Gate With Single Barb Wire Arm, Add	102.74	
		For Gate With Double Barb Wire Arm, Add	149.45	
32 31 13 13-0464	EA	18' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,366.13	105.01
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-197.02	
		For 1" Mesh Fabric, Add	457.09	
		For 1-1/4" Mesh Fabric, Add	294.22	
		For 1-3/4" Mesh Fabric, Add	182.84	
		For 2-1/8" Mesh Fabric, Deduct	-91.42	
		For Gate With Single Barb Wire Arm, Add	115.59	
		For Gate With Double Barb Wire Arm, Add	168.13	
32 31 13 13-0465	EA	20' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,533.13	114.59
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-222.96	
		For 1" Mesh Fabric, Add	517.27	
		For 1-1/4" Mesh Fabric, Add	332.95	
		For 1-3/4" Mesh Fabric, Add	206.91	
		For 2-1/8" Mesh Fabric, Deduct	-103.45	
		For Gate With Single Barb Wire Arm, Add	130.80	
		For Gate With Double Barb Wire Arm, Add	190.26	
32 31 13 13-0466	EA	22' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,666.63	126.05
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-241.54	
		For 1" Mesh Fabric, Add	560.38	
		For 1-1/4" Mesh Fabric, Add	360.70	
		For 1-3/4" Mesh Fabric, Add	224.15	
		For 2-1/8" Mesh Fabric, Deduct	-112.08	
		For Gate With Single Barb Wire Arm, Add	141.70	
		For Gate With Double Barb Wire Arm, Add	206.12	
32 31 13 13-0467	EA	24' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,821.52	140.01
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-262.70	
		For 1" Mesh Fabric, Add	609.46	
		For 1-1/4" Mesh Fabric, Add	392.30	
		For 1-3/4" Mesh Fabric, Add	243.78	
		For 2-1/8" Mesh Fabric, Deduct	-121.89	
		For Gate With Single Barb Wire Arm, Add	154.12	
		For Gate With Double Barb Wire Arm, Add	224.17	
32 31 13 13-0468	EA	26' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,990.83	157.51
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-284.59	
		For 1" Mesh Fabric, Add	660.25	
		For 1-1/4" Mesh Fabric, Add	424.99	
		For 1-3/4" Mesh Fabric, Add	264.10	
		For 2-1/8" Mesh Fabric, Deduct	-132.05	
		For Gate With Single Barb Wire Arm, Add	166.96	
		For Gate With Double Barb Wire Arm, Add	242.85	
32 31 13 13-0469	EA	28' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,175.16	179.98
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-306.48	
		For 1" Mesh Fabric, Add	711.04	
		For 1-1/4" Mesh Fabric, Add	457.68	
		For 1-3/4" Mesh Fabric, Add	284.42	
		For 2-1/8" Mesh Fabric, Deduct	-142.21	
		For Gate With Single Barb Wire Arm, Add	179.80	
		For Gate With Double Barb Wire Arm, Add	261.53	
32 31 13 13-0470	EA	30' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,382.01	210.02
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-328.37	
		For 1" Mesh Fabric, Add	761.82	
		For 1-1/4" Mesh Fabric, Add	490.37	
		For 1-3/4" Mesh Fabric, Add	304.73	
		For 2-1/8" Mesh Fabric, Deduct	-152.36	
		For Gate With Single Barb Wire Arm, Add	192.65	
		For Gate With Double Barb Wire Arm, Add	280.21	
32 31 13 13-0471		7' Fence Height (32 31 13 13-0410)		
32 31 13 13-0472	EA	3' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	245.33	30.61
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-28.74	
		For 1" Mesh Fabric, Add	66.68	
		For 1-1/4" Mesh Fabric, Add	42.92	
		For 1-3/4" Mesh Fabric, Add	26.67	
		For 2-1/8" Mesh Fabric, Deduct	-13.34	
		For Gate With Single Barb Wire Arm, Add	16.86	
		For Gate With Double Barb Wire Arm, Add	24.53	
32 31 13 13-0473	EA	4' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	296.43	30.61
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-38.32	
		For 1" Mesh Fabric, Add	88.91	
		For 1-1/4" Mesh Fabric, Add	57.23	
		For 1-3/4" Mesh Fabric, Add	35.56	
		For 2-1/8" Mesh Fabric, Deduct	-17.78	
		For Gate With Single Barb Wire Arm, Add	22.48	
		For Gate With Double Barb Wire Arm, Add	32.70	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0474	EA	5' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	339.43	32.21	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-45.51		
		For 1" Mesh Fabric, Add	105.58		
		For 1-1/4" Mesh Fabric, Add	67.96		
		For 1-3/4" Mesh Fabric, Add	42.23		
		For 2-1/8" Mesh Fabric, Deduct	-21.12		
		For Gate With Single Barb Wire Arm, Add	26.70		
		For Gate With Double Barb Wire Arm, Add	38.84		
32 31 13 13-0475	EA	6' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	398.69	39.18	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-52.70		
		For 1" Mesh Fabric, Add	122.25		
		For 1-1/4" Mesh Fabric, Add	78.69		
		For 1-3/4" Mesh Fabric, Add	48.90		
		For 2-1/8" Mesh Fabric, Deduct	-24.45		
		For Gate With Single Barb Wire Arm, Add	30.91		
		For Gate With Double Barb Wire Arm, Add	44.97		
32 31 13 13-0476	EA	7' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	456.95	45.87	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-59.88		
		For 1" Mesh Fabric, Add	138.93		
		For 1-1/4" Mesh Fabric, Add	89.42		
		For 1-3/4" Mesh Fabric, Add	55.57		
		For 2-1/8" Mesh Fabric, Deduct	-27.79		
		For Gate With Single Barb Wire Arm, Add	35.13		
		For Gate With Double Barb Wire Arm, Add	51.10		
32 31 13 13-0477	EA	8' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	516.23	52.74	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-67.07		
		For 1" Mesh Fabric, Add	155.60		
		For 1-1/4" Mesh Fabric, Add	100.16		
		For 1-3/4" Mesh Fabric, Add	62.24		
		For 2-1/8" Mesh Fabric, Deduct	-31.12		
		For Gate With Single Barb Wire Arm, Add	39.35		
		For Gate With Double Barb Wire Arm, Add	57.23		
32 31 13 13-0478	EA	9' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	574.49	59.42	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-74.25		
		For 1" Mesh Fabric, Add	172.27		
		For 1-1/4" Mesh Fabric, Add	110.89		
		For 1-3/4" Mesh Fabric, Add	68.91		
		For 2-1/8" Mesh Fabric, Deduct	-34.45		
		For Gate With Single Barb Wire Arm, Add	43.56		
		For Gate With Double Barb Wire Arm, Add	63.36		
32 31 13 13-0479	EA	10' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	633.75	66.40	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-81.44		
		For 1" Mesh Fabric, Add	188.94		
		For 1-1/4" Mesh Fabric, Add	121.62		
		For 1-3/4" Mesh Fabric, Add	75.58		
		For 2-1/8" Mesh Fabric, Deduct	-37.79		
		For Gate With Single Barb Wire Arm, Add	47.78		
		For Gate With Double Barb Wire Arm, Add	69.50		
32 31 13 13-0480	EA	10' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	812.58	66.40	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-114.97		
		For 1" Mesh Fabric, Add	266.73		
		For 1-1/4" Mesh Fabric, Add	171.69		
		For 1-3/4" Mesh Fabric, Add	106.69		
		For 2-1/8" Mesh Fabric, Deduct	-53.35		
		For Gate With Single Barb Wire Arm, Add	67.45		
		For Gate With Double Barb Wire Arm, Add	98.11		
32 31 13 13-0481	EA	12' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,006.09	89.99	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-137.96		
		For 1" Mesh Fabric, Add	320.07		
		For 1-1/4" Mesh Fabric, Add	206.02		
		For 1-3/4" Mesh Fabric, Add	128.03		
		For 2-1/8" Mesh Fabric, Deduct	-64.01		
		For Gate With Single Barb Wire Arm, Add	80.94		
		For Gate With Double Barb Wire Arm, Add	117.73		
32 31 13 13-0482	EA	14' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,149.54	96.96	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-160.96		
		For 1" Mesh Fabric, Add	373.43		
		For 1-1/4" Mesh Fabric, Add	240.37		
		For 1-3/4" Mesh Fabric, Add	149.37		
		For 2-1/8" Mesh Fabric, Deduct	-74.69		
		For Gate With Single Barb Wire Arm, Add	94.43		
		For Gate With Double Barb Wire Arm, Add	137.35		
32 31 13 13-0483	EA	16' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,296.41	105.01	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-183.95		
		For 1" Mesh Fabric, Add	426.77		
		For 1-1/4" Mesh Fabric, Add	274.70		
		For 1-3/4" Mesh Fabric, Add	170.71		
		For 2-1/8" Mesh Fabric, Deduct	-85.35		
		For Gate With Single Barb Wire Arm, Add	107.92		
		For Gate With Double Barb Wire Arm, Add	156.97		
32 31 13 13-0484	EA	18' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,447.73	114.59	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-206.95		
		For 1" Mesh Fabric, Add	480.12		
		For 1-1/4" Mesh Fabric, Add	309.04		
		For 1-3/4" Mesh Fabric, Add	192.05		
		For 2-1/8" Mesh Fabric, Deduct	-96.02		
		For Gate With Single Barb Wire Arm, Add	121.41		
		For Gate With Double Barb Wire Arm, Add	176.60		

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
32 31 13 13-0485	EA 20' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,604.75		126.05
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-229.94		
	For 1" Mesh Fabric, Add	533.46		
	For 1-1/4" Mesh Fabric, Add	343.38		
	For 1-3/4" Mesh Fabric, Add	213.38		
	For 2-1/8" Mesh Fabric, Deduct	-106.69		
	For Gate With Single Barb Wire Arm, Add	134.90		
	For Gate With Double Barb Wire Arm, Add	196.21		
32 31 13 13-0486	EA 22' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,769.41		140.01
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-252.93		
	For 1" Mesh Fabric, Add	586.79		
	For 1-1/4" Mesh Fabric, Add	377.71		
	For 1-3/4" Mesh Fabric, Add	234.72		
	For 2-1/8" Mesh Fabric, Deduct	-117.36		
	For Gate With Single Barb Wire Arm, Add	148.38		
	For Gate With Double Barb Wire Arm, Add	215.83		
32 31 13 13-0487	EA 24' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,944.62		157.51
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-275.93		
	For 1" Mesh Fabric, Add	640.15		
	For 1-1/4" Mesh Fabric, Add	412.05		
	For 1-3/4" Mesh Fabric, Add	256.06		
	For 2-1/8" Mesh Fabric, Deduct	-128.03		
	For Gate With Single Barb Wire Arm, Add	161.88		
	For Gate With Double Barb Wire Arm, Add	235.46		
32 31 13 13-0488	EA 26' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,134.84		179.98
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-298.92		
	For 1" Mesh Fabric, Add	693.50		
	For 1-1/4" Mesh Fabric, Add	446.39		
	For 1-3/4" Mesh Fabric, Add	277.40		
	For 2-1/8" Mesh Fabric, Deduct	-138.70		
	For Gate With Single Barb Wire Arm, Add	175.37		
	For Gate With Double Barb Wire Arm, Add	255.08		
32 31 13 13-0489	EA 28' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,347.56		210.02
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-321.91		
	For 1" Mesh Fabric, Add	746.84		
	For 1-1/4" Mesh Fabric, Add	480.72		
	For 1-3/4" Mesh Fabric, Add	298.74		
	For 2-1/8" Mesh Fabric, Deduct	-149.37		
	For Gate With Single Barb Wire Arm, Add	188.86		
	For Gate With Double Barb Wire Arm, Add	274.70		
32 31 13 13-0490	EA 30' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,596.34		252.00
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-344.91		
	For 1" Mesh Fabric, Add	800.19		
	For 1-1/4" Mesh Fabric, Add	515.07		
	For 1-3/4" Mesh Fabric, Add	320.08		
	For 2-1/8" Mesh Fabric, Deduct	-160.04		
	For Gate With Single Barb Wire Arm, Add	202.35		
	For Gate With Double Barb Wire Arm, Add	294.32		
32 31 13 13-0491	8' Fence Height (32 31 13 13-0410)			
32 31 13 13-0492	EA 3' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	285.50		33.20
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-34.84		
	For 1" Mesh Fabric, Add	80.82		
	For 1-1/4" Mesh Fabric, Add	52.02		
	For 1-3/4" Mesh Fabric, Add	32.33		
	For 2-1/8" Mesh Fabric, Deduct	-16.16		
	For Gate With Single Barb Wire Arm, Add	20.44		
	For Gate With Double Barb Wire Arm, Add	29.73		
32 31 13 13-0493	EA 4' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	347.43		33.20
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-46.45		
	For 1" Mesh Fabric, Add	107.76		
	For 1-1/4" Mesh Fabric, Add	69.36		
	For 1-3/4" Mesh Fabric, Add	43.11		
	For 2-1/8" Mesh Fabric, Deduct	-21.55		
	For Gate With Single Barb Wire Arm, Add	27.25		
	For Gate With Double Barb Wire Arm, Add	39.64		
32 31 13 13-0494	EA 5' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	388.72		33.20
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-54.19		
	For 1" Mesh Fabric, Add	125.72		
	For 1-1/4" Mesh Fabric, Add	80.93		
	For 1-3/4" Mesh Fabric, Add	50.29		
	For 2-1/8" Mesh Fabric, Deduct	-25.14		
	For Gate With Single Barb Wire Arm, Add	31.79		
	For Gate With Double Barb Wire Arm, Add	46.24		
32 31 13 13-0495	EA 6' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	455.93		41.87
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-61.93		
	For 1" Mesh Fabric, Add	143.68		
	For 1-1/4" Mesh Fabric, Add	92.49		
	For 1-3/4" Mesh Fabric, Add	57.47		
	For 2-1/8" Mesh Fabric, Deduct	-28.74		
	For Gate With Single Barb Wire Arm, Add	36.33		
	For Gate With Double Barb Wire Arm, Add	52.85		
32 31 13 13-0496	EA 7' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	523.14		50.45
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-69.68		
	For 1" Mesh Fabric, Add	161.65		
	For 1-1/4" Mesh Fabric, Add	104.05		
	For 1-3/4" Mesh Fabric, Add	64.66		
	For 2-1/8" Mesh Fabric, Deduct	-32.33		
	For Gate With Single Barb Wire Arm, Add	40.88		
	For Gate With Double Barb Wire Arm, Add	59.46		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0497	EA	8'	Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	589.37	58.73
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-77.42	
			For 1" Mesh Fabric, Add	179.61	
			For 1-1/4" Mesh Fabric, Add	115.61	
			For 1-3/4" Mesh Fabric, Add	71.84	
			For 2-1/8" Mesh Fabric, Deduct	-35.92	
			For Gate With Single Barb Wire Arm, Add	45.42	
			For Gate With Double Barb Wire Arm, Add	66.06	
32 31 13 13-0498	EA	9'	Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	656.58	67.40
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-85.16	
			For 1" Mesh Fabric, Add	197.57	
			For 1-1/4" Mesh Fabric, Add	127.17	
			For 1-3/4" Mesh Fabric, Add	79.03	
			For 2-1/8" Mesh Fabric, Deduct	-39.51	
			For Gate With Single Barb Wire Arm, Add	49.96	
			For Gate With Double Barb Wire Arm, Add	72.67	
32 31 13 13-0499	EA	10'	Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	723.78	76.07
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-92.90	
			For 1" Mesh Fabric, Add	215.53	
			For 1-1/4" Mesh Fabric, Add	138.73	
			For 1-3/4" Mesh Fabric, Add	86.21	
			For 2-1/8" Mesh Fabric, Deduct	-43.11	
			For Gate With Single Barb Wire Arm, Add	54.50	
			For Gate With Double Barb Wire Arm, Add	79.28	
32 31 13 13-0500	EA	10'	Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,013.48	89.99
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-139.35	
			For 1" Mesh Fabric, Add	323.29	
			For 1-1/4" Mesh Fabric, Add	208.09	
			For 1-3/4" Mesh Fabric, Add	129.32	
			For 2-1/8" Mesh Fabric, Deduct	-64.66	
			For Gate With Single Barb Wire Arm, Add	81.75	
			For Gate With Double Barb Wire Arm, Add	118.91	
32 31 13 13-0501	EA	12'	Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,182.92	96.96
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-167.22	
			For 1" Mesh Fabric, Add	387.95	
			For 1-1/4" Mesh Fabric, Add	249.71	
			For 1-3/4" Mesh Fabric, Add	155.18	
			For 2-1/8" Mesh Fabric, Deduct	-77.59	
			For Gate With Single Barb Wire Arm, Add	98.10	
			For Gate With Double Barb Wire Arm, Add	142.69	
32 31 13 13-0502	EA	14'	Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,355.81	105.01
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-195.09	
			For 1" Mesh Fabric, Add	452.60	
			For 1-1/4" Mesh Fabric, Add	291.33	
			For 1-3/4" Mesh Fabric, Add	181.04	
			For 2-1/8" Mesh Fabric, Deduct	-90.52	
			For Gate With Single Barb Wire Arm, Add	114.45	
			For Gate With Double Barb Wire Arm, Add	166.48	
32 31 13 13-0503	EA	16'	Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,533.12	114.59
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-222.96	
			For 1" Mesh Fabric, Add	517.26	
			For 1-1/4" Mesh Fabric, Add	332.95	
			For 1-3/4" Mesh Fabric, Add	206.91	
			For 2-1/8" Mesh Fabric, Deduct	-103.45	
			For Gate With Single Barb Wire Arm, Add	130.80	
			For Gate With Double Barb Wire Arm, Add	190.26	
32 31 13 13-0504	EA	18'	Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,716.16	126.05
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-250.83	
			For 1" Mesh Fabric, Add	581.92	
			For 1-1/4" Mesh Fabric, Add	374.57	
			For 1-3/4" Mesh Fabric, Add	232.77	
			For 2-1/8" Mesh Fabric, Deduct	-116.38	
			For Gate With Single Barb Wire Arm, Add	147.15	
			For Gate With Double Barb Wire Arm, Add	214.04	
32 31 13 13-0505	EA	20'	Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,906.85	140.01
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-278.70	
			For 1" Mesh Fabric, Add	646.58	
			For 1-1/4" Mesh Fabric, Add	416.19	
			For 1-3/4" Mesh Fabric, Add	258.63	
			For 2-1/8" Mesh Fabric, Deduct	-129.32	
			For Gate With Single Barb Wire Arm, Add	163.50	
			For Gate With Double Barb Wire Arm, Add	237.82	
32 31 13 13-0506	EA	22'	Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,108.04	157.51
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-306.57	
			For 1" Mesh Fabric, Add	711.23	
			For 1-1/4" Mesh Fabric, Add	457.81	
			For 1-3/4" Mesh Fabric, Add	284.49	
			For 2-1/8" Mesh Fabric, Deduct	-142.25	
			For Gate With Single Barb Wire Arm, Add	179.85	
			For Gate With Double Barb Wire Arm, Add	261.60	
32 31 13 13-0507	EA	24'	Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,324.25	179.98
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-334.44	
			For 1" Mesh Fabric, Add	775.89	
			For 1-1/4" Mesh Fabric, Add	499.42	
			For 1-3/4" Mesh Fabric, Add	310.36	
			For 2-1/8" Mesh Fabric, Deduct	-155.18	
			For Gate With Single Barb Wire Arm, Add	196.20	
			For Gate With Double Barb Wire Arm, Add	285.39	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 31 13 13-0508	EA	26' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,562.99	210.02
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-362.31	
		For 1" Mesh Fabric, Add	840.55	
		For 1-1/4" Mesh Fabric, Add	541.04	
		For 1-3/4" Mesh Fabric, Add	336.22	
		For 2-1/8" Mesh Fabric, Deduct	-168.11	
		For Gate With Single Barb Wire Arm, Add	212.55	
		For Gate With Double Barb Wire Arm, Add	309.17	
32 31 13 13-0509	EA	28' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,837.76	252.00
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-390.18	
		For 1" Mesh Fabric, Add	905.21	
		For 1-1/4" Mesh Fabric, Add	582.66	
		For 1-3/4" Mesh Fabric, Add	362.08	
		For 2-1/8" Mesh Fabric, Deduct	-181.04	
		For Gate With Single Barb Wire Arm, Add	228.90	
		For Gate With Double Barb Wire Arm, Add	332.95	
32 31 13 13-0510	EA	30' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	3,175.61	315.03
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-418.05	
		For 1" Mesh Fabric, Add	969.87	
		For 1-1/4" Mesh Fabric, Add	624.28	
		For 1-3/4" Mesh Fabric, Add	387.95	
		For 2-1/8" Mesh Fabric, Deduct	-193.97	
		For Gate With Single Barb Wire Arm, Add	245.25	
		For Gate With Double Barb Wire Arm, Add	356.73	

32 31 13 13-0511 10' Fence Height (32 31 13 13-0410)

32 31 13 13-0512	EA	3' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	326.31	36.89
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-40.41	
		For 1" Mesh Fabric, Add	93.76	
		For 1-1/4" Mesh Fabric, Add	60.35	
		For 1-3/4" Mesh Fabric, Add	37.50	
		For 2-1/8" Mesh Fabric, Deduct	-18.75	
		For Gate With Single Barb Wire Arm, Add	23.71	
		For Gate With Double Barb Wire Arm, Add	34.48	
32 31 13 13-0513	EA	4' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	398.16	36.89
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-53.88	
		For 1" Mesh Fabric, Add	125.01	
		For 1-1/4" Mesh Fabric, Add	80.47	
		For 1-3/4" Mesh Fabric, Add	50.00	
		For 2-1/8" Mesh Fabric, Deduct	-25.00	
		For Gate With Single Barb Wire Arm, Add	31.61	
		For Gate With Double Barb Wire Arm, Add	45.98	
32 31 13 13-0514	EA	5' Wide x 10' High Gate Single Vinyl Coated Without Barbed Wire Arm	450.93	38.48
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-62.87	
		For 1" Mesh Fabric, Add	145.85	
		For 1-1/4" Mesh Fabric, Add	93.88	
		For 1-3/4" Mesh Fabric, Add	58.34	
		For 2-1/8" Mesh Fabric, Deduct	-29.17	
		For Gate With Single Barb Wire Arm, Add	36.88	
		For Gate With Double Barb Wire Arm, Add	53.64	
32 31 13 13-0515	EA	6' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	526.75	47.86
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-71.85	
		For 1" Mesh Fabric, Add	166.68	
		For 1-1/4" Mesh Fabric, Add	107.29	
		For 1-3/4" Mesh Fabric, Add	66.67	
		For 2-1/8" Mesh Fabric, Deduct	-33.34	
		For Gate With Single Barb Wire Arm, Add	42.15	
		For Gate With Double Barb Wire Arm, Add	61.31	
32 31 13 13-0516	EA	7' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	601.56	56.73
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-80.83	
		For 1" Mesh Fabric, Add	187.52	
		For 1-1/4" Mesh Fabric, Add	120.70	
		For 1-3/4" Mesh Fabric, Add	75.01	
		For 2-1/8" Mesh Fabric, Deduct	-37.50	
		For Gate With Single Barb Wire Arm, Add	47.42	
		For Gate With Double Barb Wire Arm, Add	68.97	
32 31 13 13-0517	EA	8' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	677.38	66.10
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-89.81	
		For 1" Mesh Fabric, Add	208.36	
		For 1-1/4" Mesh Fabric, Add	134.11	
		For 1-3/4" Mesh Fabric, Add	83.34	
		For 2-1/8" Mesh Fabric, Deduct	-41.67	
		For Gate With Single Barb Wire Arm, Add	52.69	
		For Gate With Double Barb Wire Arm, Add	76.64	
32 31 13 13-0518	EA	9' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	752.19	75.07
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-98.79	
		For 1" Mesh Fabric, Add	229.19	
		For 1-1/4" Mesh Fabric, Add	147.53	
		For 1-3/4" Mesh Fabric, Add	91.68	
		For 2-1/8" Mesh Fabric, Deduct	-45.84	
		For Gate With Single Barb Wire Arm, Add	57.96	
		For Gate With Double Barb Wire Arm, Add	84.30	
32 31 13 13-0519	EA	10' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	828.02	84.35
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-107.77	
		For 1" Mesh Fabric, Add	250.02	
		For 1-1/4" Mesh Fabric, Add	160.94	
		For 1-3/4" Mesh Fabric, Add	100.01	
		For 2-1/8" Mesh Fabric, Deduct	-50.00	
		For Gate With Single Barb Wire Arm, Add	63.22	
		For Gate With Double Barb Wire Arm, Add	91.96	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0520	EA	10'	Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	1,162.47 -161.65 375.03 241.40 150.01 -75.01 94.84 137.94	100.04
32 31 13 13-0521	EA	12'	Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	1,357.89 -193.98 450.04 289.68 180.02 -90.01 113.80 165.53	107.61
32 31 13 13-0522	EA	14'	Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	1,557.38 -226.31 525.05 337.96 210.02 -105.01 132.77 193.12	116.72
32 31 13 13-0523	EA	16'	Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	1,761.50 -258.64 600.05 386.24 240.02 -120.01 151.74 220.71	127.24
32 31 13 13-0524	EA	18'	Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	1,972.31 -290.97 675.05 434.52 270.02 -135.01 170.70 248.30	140.01
32 31 13 13-0525	EA	20'	Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	2,191.22 -323.30 750.06 482.80 300.02 -150.01 189.67 275.88	155.51
32 31 13 13-0526	EA	22'	Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	2,422.28 -355.63 825.07 531.08 330.03 -165.01 208.64 303.47	175.02
32 31 13 13-0527	EA	24'	Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	2,669.41 -387.96 900.08 579.36 360.03 -180.02 227.61 331.06	199.84
32 31 13 13-0528	EA	26'	Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	2,942.33 -420.29 975.08 627.64 390.03 -195.02 246.57 358.65	233.31
32 31 13 13-0529	EA	28'	Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	3,254.16 -452.62 1,050.09 675.92 420.03 -210.02 265.54 386.24	279.79
32 31 13 13-0530	EA	30'	Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	3,637.56 -484.95 1,125.09 724.20 450.04 -225.02 284.51 413.83	350.03

32 31 13 13-0531 12' Fence Height (32 31 13 13-0410)

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

32 31 13 13-0532	EA 3' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	423.67	40.97
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-56.36	
	For 1" Mesh Fabric, Add	130.75	
	For 1-1/4" Mesh Fabric, Add	84.16	
	For 1-3/4" Mesh Fabric, Add	52.30	
	For 2-1/8" Mesh Fabric, Deduct	-26.15	
	For Gate With Single Barb Wire Arm, Add	33.06	
	For Gate With Double Barb Wire Arm, Add	48.09	
32 31 13 13-0533	EA 4' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	523.59	40.97
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-75.09	
	For 1" Mesh Fabric, Add	174.22	
	For 1-1/4" Mesh Fabric, Add	112.14	
	For 1-3/4" Mesh Fabric, Add	69.69	
	For 2-1/8" Mesh Fabric, Deduct	-34.84	
	For Gate With Single Barb Wire Arm, Add	44.06	
	For Gate With Double Barb Wire Arm, Add	64.08	
32 31 13 13-0534	EA 5' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	602.43	42.47
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-89.03	
	For 1" Mesh Fabric, Add	206.55	
	For 1-1/4" Mesh Fabric, Add	132.95	
	For 1-3/4" Mesh Fabric, Add	82.62	
	For 2-1/8" Mesh Fabric, Deduct	-41.31	
	For Gate With Single Barb Wire Arm, Add	52.23	
	For Gate With Double Barb Wire Arm, Add	75.97	
32 31 13 13-0535	EA 6' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	695.29	52.74
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-100.64	
	For 1" Mesh Fabric, Add	233.49	
	For 1-1/4" Mesh Fabric, Add	150.29	
	For 1-3/4" Mesh Fabric, Add	93.40	
	For 2-1/8" Mesh Fabric, Deduct	-46.70	
	For Gate With Single Barb Wire Arm, Add	59.04	
	For Gate With Double Barb Wire Arm, Add	85.88	
32 31 13 13-0536	EA 7' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	795.01	63.11
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-113.54	
	For 1" Mesh Fabric, Add	263.42	
	For 1-1/4" Mesh Fabric, Add	169.56	
	For 1-3/4" Mesh Fabric, Add	105.37	
	For 2-1/8" Mesh Fabric, Deduct	-52.68	
	For Gate With Single Barb Wire Arm, Add	66.61	
	For Gate With Double Barb Wire Arm, Add	96.89	
32 31 13 13-0537	EA 8' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	893.74	73.08
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-126.45	
	For 1" Mesh Fabric, Add	293.36	
	For 1-1/4" Mesh Fabric, Add	188.83	
	For 1-3/4" Mesh Fabric, Add	117.34	
	For 2-1/8" Mesh Fabric, Deduct	-58.67	
	For Gate With Single Barb Wire Arm, Add	74.18	
	For Gate With Double Barb Wire Arm, Add	107.90	
32 31 13 13-0538	EA 9' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	993.46	83.35
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-139.35	
	For 1" Mesh Fabric, Add	323.29	
	For 1-1/4" Mesh Fabric, Add	208.10	
	For 1-3/4" Mesh Fabric, Add	129.32	
	For 2-1/8" Mesh Fabric, Deduct	-64.66	
	For Gate With Single Barb Wire Arm, Add	81.75	
	For Gate With Double Barb Wire Arm, Add	118.91	
32 31 13 13-0539	EA 10' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	1,086.31	93.62
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-150.96	
	For 1" Mesh Fabric, Add	350.24	
	For 1-1/4" Mesh Fabric, Add	225.44	
	For 1-3/4" Mesh Fabric, Add	140.09	
	For 2-1/8" Mesh Fabric, Deduct	-70.05	
	For Gate With Single Barb Wire Arm, Add	88.57	
	For Gate With Double Barb Wire Arm, Add	128.82	
32 31 13 13-0540	EA 10' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,540.87	111.16
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-226.37	
	For 1" Mesh Fabric, Add	525.17	
	For 1-1/4" Mesh Fabric, Add	338.04	
	For 1-3/4" Mesh Fabric, Add	210.07	
	For 2-1/8" Mesh Fabric, Deduct	-105.03	
	For Gate With Single Barb Wire Arm, Add	132.80	
	For Gate With Double Barb Wire Arm, Add	193.17	
32 31 13 13-0541	EA 12' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,847.22	119.67
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-279.01	
	For 1" Mesh Fabric, Add	647.31	
	For 1-1/4" Mesh Fabric, Add	416.66	
	For 1-3/4" Mesh Fabric, Add	258.92	
	For 2-1/8" Mesh Fabric, Deduct	-129.46	
	For Gate With Single Barb Wire Arm, Add	163.69	
	For Gate With Double Barb Wire Arm, Add	238.09	
32 31 13 13-0542	EA 14' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,126.76	129.61
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-325.77	
	For 1" Mesh Fabric, Add	755.79	
	For 1-1/4" Mesh Fabric, Add	486.48	
	For 1-3/4" Mesh Fabric, Add	302.31	
	For 2-1/8" Mesh Fabric, Deduct	-151.16	
	For Gate With Single Barb Wire Arm, Add	191.12	
	For Gate With Double Barb Wire Arm, Add	277.99	

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
32 31 13 13-0543	EA	16' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,409.79	141.31
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-372.22	
		For 1" Mesh Fabric, Add	863.55	
		For 1-1/4" Mesh Fabric, Add	555.85	
		For 1-3/4" Mesh Fabric, Add	345.42	
		For 2-1/8" Mesh Fabric, Deduct	-172.71	
		For Gate With Single Barb Wire Arm, Add	218.37	
		For Gate With Double Barb Wire Arm, Add	317.63	
32 31 13 13-0544	EA	18' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,696.78	155.63
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-418.05	
		For 1" Mesh Fabric, Add	969.88	
		For 1-1/4" Mesh Fabric, Add	624.29	
		For 1-3/4" Mesh Fabric, Add	387.95	
		For 2-1/8" Mesh Fabric, Deduct	-193.98	
		For Gate With Single Barb Wire Arm, Add	245.26	
		For Gate With Double Barb Wire Arm, Add	356.74	
32 31 13 13-0545	EA	20' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,996.00	172.76
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-464.50	
		For 1" Mesh Fabric, Add	1,077.64	
		For 1-1/4" Mesh Fabric, Add	693.66	
		For 1-3/4" Mesh Fabric, Add	431.06	
		For 2-1/8" Mesh Fabric, Deduct	-215.53	
		For Gate With Single Barb Wire Arm, Add	272.51	
		For Gate With Double Barb Wire Arm, Add	396.37	
32 31 13 13-0546	EA	22' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	3,309.03	194.40
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-510.95	
		For 1" Mesh Fabric, Add	1,185.41	
		For 1-1/4" Mesh Fabric, Add	763.02	
		For 1-3/4" Mesh Fabric, Add	474.16	
		For 2-1/8" Mesh Fabric, Deduct	-237.08	
		For Gate With Single Barb Wire Arm, Add	299.76	
		For Gate With Double Barb Wire Arm, Add	436.01	
32 31 13 13-0547	EA	24' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	3,639.78	222.08
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-557.40	
		For 1" Mesh Fabric, Add	1,293.17	
		For 1-1/4" Mesh Fabric, Add	832.39	
		For 1-3/4" Mesh Fabric, Add	517.27	
		For 2-1/8" Mesh Fabric, Deduct	-258.63	
		For Gate With Single Barb Wire Arm, Add	327.01	
		For Gate With Double Barb Wire Arm, Add	475.65	
32 31 13 13-0548	EA	26' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	4,007.42	259.33
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-605.40	
		For 1" Mesh Fabric, Add	1,404.53	
		For 1-1/4" Mesh Fabric, Add	904.06	
		For 1-3/4" Mesh Fabric, Add	561.81	
		For 2-1/8" Mesh Fabric, Deduct	-280.91	
		For Gate With Single Barb Wire Arm, Add	355.17	
		For Gate With Double Barb Wire Arm, Add	516.61	
32 31 13 13-0549	EA	28' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	4,410.05	310.89
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-651.85	
		For 1" Mesh Fabric, Add	1,512.29	
		For 1-1/4" Mesh Fabric, Add	973.43	
		For 1-3/4" Mesh Fabric, Add	604.92	
		For 2-1/8" Mesh Fabric, Deduct	-302.46	
		For Gate With Single Barb Wire Arm, Add	382.42	
		For Gate With Double Barb Wire Arm, Add	556.24	
32 31 13 13-0550	EA	30' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	4,892.21	388.94
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-698.30	
		For 1" Mesh Fabric, Add	1,620.06	
		For 1-1/4" Mesh Fabric, Add	1,042.80	
		For 1-3/4" Mesh Fabric, Add	648.02	
		For 2-1/8" Mesh Fabric, Deduct	-324.01	
		For Gate With Single Barb Wire Arm, Add	409.67	
		For Gate With Double Barb Wire Arm, Add	595.88	
32 31 13 13-0551	Chain Link Galvanized Steel Sliding Gate (32 31 13 13-0268)			
	Note: Includes posts (3" diameter posts for up to 15' wide gate and 4" diameter over 15' wide), caps, upper and lower rails, track brackets, roller gate wheel carrier, track rollers, 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes truss rod, latches, track rollers with brackets, pipe track clamps and two wheel carriers. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating. See CSI section 32 31 13 13-0647 for additional gate accessories, 32 31 13 13-0732 for gate replacement parts.			
32 31 13 13-0552	4' High Chain Link Galvanized Steel Sliding Gate (32 31 13 13-0551)			
32 31 13 13-0553	EA	10' Long x 4' High Chain Link Galvanized Steel Sliding Gate	3,054.19	383.85
		For 1" Mesh Fabric, Add	994.60	
		For 1-1/4" Mesh Fabric, Add	640.20	
		For 1-3/4" Mesh Fabric, Add	397.84	
		For 2-1/8" Mesh Fabric, Deduct	-198.92	
		For Gate With Barb Wire Arm, Add	251.51	
		For Vinyl Coated, Add	685.93	
32 31 13 13-0554	EA	12' Long x 4' High Chain Link Galvanized Steel Sliding Gate	3,670.48	463.44
		For 1" Mesh Fabric, Add	1,193.52	
		For 1-1/4" Mesh Fabric, Add	768.24	
		For 1-3/4" Mesh Fabric, Add	477.41	
		For 2-1/8" Mesh Fabric, Deduct	-238.70	
		For Gate With Barb Wire Arm, Add	301.81	
		For Vinyl Coated, Add	823.12	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
32 31 13 13-0555	EA	14' Long x 4' High Chain Link Galvanized Steel Sliding Gate	4,282.44	540.66	
		For 1" Mesh Fabric, Add	1,392.44		
		For 1-1/4" Mesh Fabric, Add	896.29		
		For 1-3/4" Mesh Fabric, Add	556.98		
		For 2-1/8" Mesh Fabric, Deduct	-278.49		
		For Gate With Barb Wire Arm, Add	352.11		
		For Vinyl Coated, Add	960.31		
32 31 13 13-0556	EA	16' Long x 4' High Chain Link Galvanized Steel Sliding Gate	4,901.12	621.42	
		For 1" Mesh Fabric, Add	1,591.36		
		For 1-1/4" Mesh Fabric, Add	1,024.33		
		For 1-3/4" Mesh Fabric, Add	636.55		
		For 2-1/8" Mesh Fabric, Deduct	-318.27		
		For Gate With Barb Wire Arm, Add	402.41		
		For Vinyl Coated, Add	1,097.49		
32 31 13 13-0557	EA	18' Long x 4' High Chain Link Galvanized Steel Sliding Gate	5,513.81	699.11	
		For 1" Mesh Fabric, Add	1,790.29		
		For 1-1/4" Mesh Fabric, Add	1,152.37		
		For 1-3/4" Mesh Fabric, Add	716.11		
		For 2-1/8" Mesh Fabric, Deduct	-358.06		
		For Gate With Barb Wire Arm, Add	452.72		
		For Vinyl Coated, Add	1,234.68		
32 31 13 13-0558	EA	20' Long x 4' High Chain Link Galvanized Steel Sliding Gate	6,112.15	769.59	
		For 1" Mesh Fabric, Add	1,989.21		
		For 1-1/4" Mesh Fabric, Add	1,280.41		
		For 1-3/4" Mesh Fabric, Add	795.68		
		For 2-1/8" Mesh Fabric, Deduct	-397.84		
		For Gate With Barb Wire Arm, Add	503.02		
		For Vinyl Coated, Add	1,371.87		
32 31 13 13-0559	EA	24' Long x 4' High Chain Link Galvanized Steel Sliding Gate	7,300.70	926.75	
		For 1" Mesh Fabric, Add	2,369.53		
		For 1-1/4" Mesh Fabric, Add	1,525.22		
		For 1-3/4" Mesh Fabric, Add	947.81		
		For 2-1/8" Mesh Fabric, Deduct	-473.91		
		For Gate With Barb Wire Arm, Add	599.19		
		For Vinyl Coated, Add	1,634.16		
32 31 13 13-0560	EA	30' Long x 4' High Chain Link Galvanized Steel Sliding Gate	10,357.95	1,749.32	
		For 1" Mesh Fabric, Add	2,983.81		
		For 1-1/4" Mesh Fabric, Add	1,920.61		
		For 1-3/4" Mesh Fabric, Add	1,193.52		
		For 2-1/8" Mesh Fabric, Deduct	-596.76		
		For Gate With Barb Wire Arm, Add	754.53		
		For Vinyl Coated, Add	2,057.80		
32 31 13 13-0561	EA	40' Long x 4' High Chain Link Galvanized Steel Sliding Gate	13,810.60	2,332.44	
		For 1" Mesh Fabric, Add	3,978.41		
		For 1-1/4" Mesh Fabric, Add	2,560.82		
		For 1-3/4" Mesh Fabric, Add	1,591.36		
		For 2-1/8" Mesh Fabric, Deduct	-795.68		
		For Gate With Barb Wire Arm, Add	1,006.03		
		For Vinyl Coated, Add	2,743.73		
32 31 13 13-0562 5' High Chain Link Galvanized Steel Sliding Gate (32 31 13 13-0551)					
32 31 13 13-0563	EA	10' Long x 5' High Chain Link Galvanized Steel Sliding Gate	3,189.21	417.79	
		For 1" Mesh Fabric, Add	1,023.83		
		For 1-1/4" Mesh Fabric, Add	659.02		
		For 1-3/4" Mesh Fabric, Add	409.53		
		For 2-1/8" Mesh Fabric, Deduct	-204.77		
		For Gate With Barb Wire Arm, Add	258.90		
		For Vinyl Coated, Add	706.09		
32 31 13 13-0564	EA	12' Long x 5' High Chain Link Galvanized Steel Sliding Gate	3,825.88	500.80	
		For 1" Mesh Fabric, Add	1,228.60		
		For 1-1/4" Mesh Fabric, Add	790.82		
		For 1-3/4" Mesh Fabric, Add	491.44		
		For 2-1/8" Mesh Fabric, Deduct	-245.72		
		For Gate With Barb Wire Arm, Add	310.68		
		For Vinyl Coated, Add	847.31		
32 31 13 13-0565	EA	14' Long x 5' High Chain Link Galvanized Steel Sliding Gate	4,463.32	584.17	
		For 1" Mesh Fabric, Add	1,433.37		
		For 1-1/4" Mesh Fabric, Add	922.63		
		For 1-3/4" Mesh Fabric, Add	573.35		
		For 2-1/8" Mesh Fabric, Deduct	-286.67		
		For Gate With Barb Wire Arm, Add	362.46		
		For Vinyl Coated, Add	988.53		
32 31 13 13-0566	EA	16' Long x 5' High Chain Link Galvanized Steel Sliding Gate	5,101.28	667.77	
		For 1" Mesh Fabric, Add	1,638.14		
		For 1-1/4" Mesh Fabric, Add	1,054.43		
		For 1-3/4" Mesh Fabric, Add	655.25		
		For 2-1/8" Mesh Fabric, Deduct	-327.63		
		For Gate With Barb Wire Arm, Add	414.24		
		For Vinyl Coated, Add	1,129.75		
32 31 13 13-0567	EA	18' Long x 5' High Chain Link Galvanized Steel Sliding Gate	5,738.66	751.03	
		For 1" Mesh Fabric, Add	1,842.90		
		For 1-1/4" Mesh Fabric, Add	1,186.23		
		For 1-3/4" Mesh Fabric, Add	737.16		
		For 2-1/8" Mesh Fabric, Deduct	-368.58		
		For Gate With Barb Wire Arm, Add	466.02		
		For Vinyl Coated, Add	1,270.97		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0568	EA		20' Long x 5' High Chain Link Galvanized Steel Sliding Gate	6,376.35	834.51
			For 1" Mesh Fabric, Add	2,047.67	
			For 1-1/4" Mesh Fabric, Add	1,318.04	
			For 1-3/4" Mesh Fabric, Add	819.07	
			For 2-1/8" Mesh Fabric, Deduct	-409.53	
			For Gate With Barb Wire Arm, Add	517.80	
			For Vinyl Coated, Add	1,412.18	
32 31 13 13-0569	EA		24' Long x 5' High Chain Link Galvanized Steel Sliding Gate	7,612.44	1,002.55
			For 1" Mesh Fabric, Add	2,439.18	
			For 1-1/4" Mesh Fabric, Add	1,570.04	
			For 1-3/4" Mesh Fabric, Add	975.67	
			For 2-1/8" Mesh Fabric, Deduct	-487.84	
			For Gate With Barb Wire Arm, Add	616.80	
			For Vinyl Coated, Add	1,682.19	
32 31 13 13-0570	EA		30' Long x 5' High Chain Link Galvanized Steel Sliding Gate	9,564.96	1,252.06
			For 1" Mesh Fabric, Add	3,071.50	
			For 1-1/4" Mesh Fabric, Add	1,977.06	
			For 1-3/4" Mesh Fabric, Add	1,228.60	
			For 2-1/8" Mesh Fabric, Deduct	-614.30	
			For Gate With Barb Wire Arm, Add	776.70	
			For Vinyl Coated, Add	2,118.28	
32 31 13 13-0571	EA		40' Long x 5' High Chain Link Galvanized Steel Sliding Gate	12,752.70	1,669.03
			For 1" Mesh Fabric, Add	4,095.33	
			For 1-1/4" Mesh Fabric, Add	2,636.08	
			For 1-3/4" Mesh Fabric, Add	1,638.13	
			For 2-1/8" Mesh Fabric, Deduct	-819.07	
			For Gate With Barb Wire Arm, Add	1,035.60	
			For Vinyl Coated, Add	2,824.37	
32 31 13 13-0572 6' High Chain Link Galvanized Steel Sliding Gate (32 31 13 13-0551)					
32 31 13 13-0573	EA		10' Long x 6' High Chain Link Galvanized Steel Sliding Gate	3,380.21	489.81
			For 1" Mesh Fabric, Add	1,044.30	
			For 1-1/4" Mesh Fabric, Add	672.19	
			For 1-3/4" Mesh Fabric, Add	417.72	
			For 2-1/8" Mesh Fabric, Deduct	-208.86	
			For Gate With Barb Wire Arm, Add	264.07	
			For Vinyl Coated, Add	720.20	
32 31 13 13-0574	EA		12' Long x 6' High Chain Link Galvanized Steel Sliding Gate	4,052.80	585.95
			For 1" Mesh Fabric, Add	1,253.16	
			For 1-1/4" Mesh Fabric, Add	806.63	
			For 1-3/4" Mesh Fabric, Add	501.26	
			For 2-1/8" Mesh Fabric, Deduct	-250.63	
			For Gate With Barb Wire Arm, Add	316.89	
			For Vinyl Coated, Add	864.25	
32 31 13 13-0575	EA		14' Long x 6' High Chain Link Galvanized Steel Sliding Gate	4,728.04	683.51
			For 1" Mesh Fabric, Add	1,462.01	
			For 1-1/4" Mesh Fabric, Add	941.07	
			For 1-3/4" Mesh Fabric, Add	584.81	
			For 2-1/8" Mesh Fabric, Deduct	-292.40	
			For Gate With Barb Wire Arm, Add	369.70	
			For Vinyl Coated, Add	1,008.29	
32 31 13 13-0576	EA		16' Long x 6' High Chain Link Galvanized Steel Sliding Gate	5,403.74	781.30
			For 1" Mesh Fabric, Add	1,670.87	
			For 1-1/4" Mesh Fabric, Add	1,075.51	
			For 1-3/4" Mesh Fabric, Add	668.35	
			For 2-1/8" Mesh Fabric, Deduct	-334.17	
			For Gate With Barb Wire Arm, Add	422.52	
			For Vinyl Coated, Add	1,152.33	
32 31 13 13-0577	EA		18' Long x 6' High Chain Link Galvanized Steel Sliding Gate	6,078.98	878.86
			For 1" Mesh Fabric, Add	1,879.73	
			For 1-1/4" Mesh Fabric, Add	1,209.94	
			For 1-3/4" Mesh Fabric, Add	751.89	
			For 2-1/8" Mesh Fabric, Deduct	-375.95	
			For Gate With Barb Wire Arm, Add	475.33	
			For Vinyl Coated, Add	1,296.37	
32 31 13 13-0578	EA		20' Long x 6' High Chain Link Galvanized Steel Sliding Gate	6,760.82	979.73
			For 1" Mesh Fabric, Add	2,088.59	
			For 1-1/4" Mesh Fabric, Add	1,344.38	
			For 1-3/4" Mesh Fabric, Add	835.44	
			For 2-1/8" Mesh Fabric, Deduct	-417.72	
			For Gate With Barb Wire Arm, Add	528.15	
			For Vinyl Coated, Add	1,440.41	
32 31 13 13-0579	EA		24' Long x 6' High Chain Link Galvanized Steel Sliding Gate	8,063.34	1,172.01
			For 1" Mesh Fabric, Add	2,487.93	
			For 1-1/4" Mesh Fabric, Add	1,601.42	
			For 1-3/4" Mesh Fabric, Add	995.17	
			For 2-1/8" Mesh Fabric, Deduct	-497.59	
			For Gate With Barb Wire Arm, Add	629.13	
			For Vinyl Coated, Add	1,715.81	
32 31 13 13-0580	EA		30' Long x 6' High Chain Link Galvanized Steel Sliding Gate	10,132.73	1,465.39
			For 1" Mesh Fabric, Add	3,132.89	
			For 1-1/4" Mesh Fabric, Add	2,016.57	
			For 1-3/4" Mesh Fabric, Add	1,253.15	
			For 2-1/8" Mesh Fabric, Deduct	-626.58	
			For Gate With Barb Wire Arm, Add	792.22	
			For Vinyl Coated, Add	2,160.61	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 31 13 13-0581	EA	40' Long x 6' High Chain Link Galvanized Steel Sliding Gate	13,508.70	1,952.95
		For 1" Mesh Fabric, Add	4,177.18	
		For 1-1/4" Mesh Fabric, Add	2,688.76	
		For 1-3/4" Mesh Fabric, Add	1,670.87	
		For 2-1/8" Mesh Fabric, Deduct	-835.44	
		For Gate With Barb Wire Arm, Add	1,056.30	
		For Vinyl Coated, Add	2,880.82	

32 31 13 13-0582 7' High Chain Link Galvanized Steel Sliding Gate (32 31 13 13-0551)

32 31 13 13-0583	EA	10' Long x 7' High Chain Link Galvanized Steel Sliding Gate	3,587.42	546.33
		For 1" Mesh Fabric, Add	1,085.22	
		For 1-1/4" Mesh Fabric, Add	698.53	
		For 1-3/4" Mesh Fabric, Add	434.09	
		For 2-1/8" Mesh Fabric, Deduct	-217.04	
		For Gate With Barb Wire Arm, Add	274.42	
		For Vinyl Coated, Add	748.43	
32 31 13 13-0584	EA	12' Long x 7' High Chain Link Galvanized Steel Sliding Gate	4,304.09	655.13
		For 1" Mesh Fabric, Add	1,302.30	
		For 1-1/4" Mesh Fabric, Add	838.26	
		For 1-3/4" Mesh Fabric, Add	520.92	
		For 2-1/8" Mesh Fabric, Deduct	-260.46	
		For Gate With Barb Wire Arm, Add	329.32	
		For Vinyl Coated, Add	898.14	
32 31 13 13-0585	EA	14' Long x 7' High Chain Link Galvanized Steel Sliding Gate	5,022.45	764.86
		For 1" Mesh Fabric, Add	1,519.30	
		For 1-1/4" Mesh Fabric, Add	977.94	
		For 1-3/4" Mesh Fabric, Add	607.72	
		For 2-1/8" Mesh Fabric, Deduct	-303.86	
		For Gate With Barb Wire Arm, Add	384.19	
		For Vinyl Coated, Add	1,047.80	
32 31 13 13-0586	EA	16' Long x 7' High Chain Link Galvanized Steel Sliding Gate	5,739.00	873.65
		For 1" Mesh Fabric, Add	1,736.35	
		For 1-1/4" Mesh Fabric, Add	1,117.65	
		For 1-3/4" Mesh Fabric, Add	694.54	
		For 2-1/8" Mesh Fabric, Deduct	-347.27	
		For Gate With Barb Wire Arm, Add	439.08	
		For Vinyl Coated, Add	1,197.49	
32 31 13 13-0587	EA	18' Long x 7' High Chain Link Galvanized Steel Sliding Gate	6,456.54	983.04
		For 1" Mesh Fabric, Add	1,953.39	
		For 1-1/4" Mesh Fabric, Add	1,257.36	
		For 1-3/4" Mesh Fabric, Add	781.36	
		For 2-1/8" Mesh Fabric, Deduct	-390.68	
		For Gate With Barb Wire Arm, Add	493.96	
		For Vinyl Coated, Add	1,347.17	
32 31 13 13-0588	EA	20' Long x 7' High Chain Link Galvanized Steel Sliding Gate	7,173.34	1,091.96
		For 1" Mesh Fabric, Add	2,170.45	
		For 1-1/4" Mesh Fabric, Add	1,397.07	
		For 1-3/4" Mesh Fabric, Add	868.18	
		For 2-1/8" Mesh Fabric, Deduct	-434.09	
		For Gate With Barb Wire Arm, Add	548.85	
		For Vinyl Coated, Add	1,496.86	
32 31 13 13-0589	EA	24' Long x 7' High Chain Link Galvanized Steel Sliding Gate	8,564.08	1,310.25
		For 1" Mesh Fabric, Add	2,585.42	
		For 1-1/4" Mesh Fabric, Add	1,664.18	
		For 1-3/4" Mesh Fabric, Add	1,034.17	
		For 2-1/8" Mesh Fabric, Deduct	-517.08	
		For Gate With Barb Wire Arm, Add	653.79	
		For Vinyl Coated, Add	1,783.05	
32 31 13 13-0590	EA	30' Long x 7' High Chain Link Galvanized Steel Sliding Gate	10,759.99	1,637.81
		For 1" Mesh Fabric, Add	3,255.66	
		For 1-1/4" Mesh Fabric, Add	2,095.60	
		For 1-3/4" Mesh Fabric, Add	1,302.26	
		For 2-1/8" Mesh Fabric, Deduct	-651.13	
		For Gate With Barb Wire Arm, Add	823.27	
		For Vinyl Coated, Add	2,245.28	
32 31 13 13-0591	EA	40' Long x 7' High Chain Link Galvanized Steel Sliding Gate	14,346.66	2,183.78
		For 1" Mesh Fabric, Add	4,340.88	
		For 1-1/4" Mesh Fabric, Add	2,794.13	
		For 1-3/4" Mesh Fabric, Add	1,736.35	
		For 2-1/8" Mesh Fabric, Deduct	-868.18	
		For Gate With Barb Wire Arm, Add	1,097.69	
		For Vinyl Coated, Add	2,993.71	

32 31 13 13-0592 8' High Chain Link Galvanized Steel Sliding Gate (32 31 13 13-0551)

32 31 13 13-0593	EA	10' Long x 8' High Chain Link Galvanized Steel Sliding Gate	3,752.40	591.86
		For 1" Mesh Fabric, Add	1,117.38	
		For 1-1/4" Mesh Fabric, Add	719.23	
		For 1-3/4" Mesh Fabric, Add	446.95	
		For 2-1/8" Mesh Fabric, Deduct	-223.48	
		For Gate With Barb Wire Arm, Add	282.56	
		For Vinyl Coated, Add	770.61	
32 31 13 13-0594	EA	12' Long x 8' High Chain Link Galvanized Steel Sliding Gate	4,499.48	708.58
		For 1" Mesh Fabric, Add	1,340.85	
		For 1-1/4" Mesh Fabric, Add	863.08	
		For 1-3/4" Mesh Fabric, Add	536.34	
		For 2-1/8" Mesh Fabric, Deduct	-268.17	
		For Gate With Barb Wire Arm, Add	339.07	
		For Vinyl Coated, Add	924.73	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0595	EA	14'	Long x 8' High Chain Link Galvanized Steel Sliding Gate	5,249.46	826.71
			For 1" Mesh Fabric, Add	1,564.32	
			For 1-1/4" Mesh Fabric, Add	1,006.92	
			For 1-3/4" Mesh Fabric, Add	625.73	
			For 2-1/8" Mesh Fabric, Deduct	-312.86	
			For Gate With Barb Wire Arm, Add	395.58	
			For Vinyl Coated, Add	1,078.84	
32 31 13 13-0596	EA	16'	Long x 8' High Chain Link Galvanized Steel Sliding Gate	5,999.67	944.85
			For 1" Mesh Fabric, Add	1,787.80	
			For 1-1/4" Mesh Fabric, Add	1,150.77	
			For 1-3/4" Mesh Fabric, Add	715.12	
			For 2-1/8" Mesh Fabric, Deduct	-357.56	
			For Gate With Barb Wire Arm, Add	452.09	
			For Vinyl Coated, Add	1,232.96	
32 31 13 13-0597	EA	18'	Long x 8' High Chain Link Galvanized Steel Sliding Gate	6,748.56	1,062.51
			For 1" Mesh Fabric, Add	2,011.27	
			For 1-1/4" Mesh Fabric, Add	1,294.61	
			For 1-3/4" Mesh Fabric, Add	804.51	
			For 2-1/8" Mesh Fabric, Deduct	-402.25	
			For Gate With Barb Wire Arm, Add	508.60	
			For Vinyl Coated, Add	1,387.08	
32 31 13 13-0598	EA	20'	Long x 8' High Chain Link Galvanized Steel Sliding Gate	7,498.87	1,180.76
			For 1" Mesh Fabric, Add	2,234.75	
			For 1-1/4" Mesh Fabric, Add	1,438.46	
			For 1-3/4" Mesh Fabric, Add	893.90	
			For 2-1/8" Mesh Fabric, Deduct	-446.95	
			For Gate With Barb Wire Arm, Add	565.11	
			For Vinyl Coated, Add	1,541.21	
32 31 13 13-0599	EA	24'	Long x 8' High Chain Link Galvanized Steel Sliding Gate	8,953.71	1,417.03
			For 1" Mesh Fabric, Add	2,662.03	
			For 1-1/4" Mesh Fabric, Add	1,713.49	
			For 1-3/4" Mesh Fabric, Add	1,064.81	
			For 2-1/8" Mesh Fabric, Deduct	-532.41	
			For Gate With Barb Wire Arm, Add	673.16	
			For Vinyl Coated, Add	1,835.88	
32 31 13 13-0600	EA	30'	Long x 8' High Chain Link Galvanized Steel Sliding Gate	11,249.21	1,771.56
			For 1" Mesh Fabric, Add	3,352.13	
			For 1-1/4" Mesh Fabric, Add	2,157.69	
			For 1-3/4" Mesh Fabric, Add	1,340.85	
			For 2-1/8" Mesh Fabric, Deduct	-670.43	
			For Gate With Barb Wire Arm, Add	847.66	
			For Vinyl Coated, Add	2,311.81	
32 31 13 13-0601	EA	40'	Long x 8' High Chain Link Galvanized Steel Sliding Gate	14,995.40	2,360.34
			For 1" Mesh Fabric, Add	4,469.49	
			For 1-1/4" Mesh Fabric, Add	2,876.92	
			For 1-3/4" Mesh Fabric, Add	1,787.80	
			For 2-1/8" Mesh Fabric, Deduct	-893.90	
			For Gate With Barb Wire Arm, Add	1,130.22	
			For Vinyl Coated, Add	3,082.41	
32 31 13 13-0602			9' High Chain Link Galvanized Steel Sliding Gate (32 31 13 13-0551)		
32 31 13 13-0603	EA	10'	Long x 9' High Chain Link Galvanized Steel Sliding Gate	3,947.36	645.67
			For 1" Mesh Fabric, Add	1,155.37	
			For 1-1/4" Mesh Fabric, Add	743.69	
			For 1-3/4" Mesh Fabric, Add	462.15	
			For 2-1/8" Mesh Fabric, Deduct	-231.07	
			For Gate With Barb Wire Arm, Add	292.16	
			For Vinyl Coated, Add	796.81	
32 31 13 13-0604	EA	12'	Long x 9' High Chain Link Galvanized Steel Sliding Gate	4,732.02	772.43
			For 1" Mesh Fabric, Add	1,386.45	
			For 1-1/4" Mesh Fabric, Add	892.43	
			For 1-3/4" Mesh Fabric, Add	554.58	
			For 2-1/8" Mesh Fabric, Deduct	-277.29	
			For Gate With Barb Wire Arm, Add	350.60	
			For Vinyl Coated, Add	956.17	
32 31 13 13-0605	EA	14'	Long x 9' High Chain Link Galvanized Steel Sliding Gate	5,520.42	900.97
			For 1" Mesh Fabric, Add	1,617.53	
			For 1-1/4" Mesh Fabric, Add	1,041.17	
			For 1-3/4" Mesh Fabric, Add	647.01	
			For 2-1/8" Mesh Fabric, Deduct	-323.51	
			For Gate With Barb Wire Arm, Add	409.03	
			For Vinyl Coated, Add	1,115.54	
32 31 13 13-0606	EA	16'	Long x 9' High Chain Link Galvanized Steel Sliding Gate	6,309.81	1,030.11
			For 1" Mesh Fabric, Add	1,848.60	
			For 1-1/4" Mesh Fabric, Add	1,189.90	
			For 1-3/4" Mesh Fabric, Add	739.44	
			For 2-1/8" Mesh Fabric, Deduct	-369.72	
			For Gate With Barb Wire Arm, Add	467.46	
			For Vinyl Coated, Add	1,274.90	
32 31 13 13-0607	EA	18'	Long x 9' High Chain Link Galvanized Steel Sliding Gate	7,098.42	1,158.76
			For 1" Mesh Fabric, Add	2,079.67	
			For 1-1/4" Mesh Fabric, Add	1,338.64	
			For 1-3/4" Mesh Fabric, Add	831.87	
			For 2-1/8" Mesh Fabric, Deduct	-415.93	
			For Gate With Barb Wire Arm, Add	525.89	
			For Vinyl Coated, Add	1,434.26	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 31 13 13-0608	EA	20' Long x 9' High Chain Link Galvanized Steel Sliding Gate	7,887.01	1,287.42
		For 1" Mesh Fabric, Add	2,310.75	
		For 1-1/4" Mesh Fabric, Add	1,487.38	
		For 1-3/4" Mesh Fabric, Add	924.30	
		For 2-1/8" Mesh Fabric, Deduct	-462.15	
		For Gate With Barb Wire Arm, Add	584.33	
		For Vinyl Coated, Add	1,593.62	
32 31 13 13-0609	EA	24' Long x 9' High Chain Link Galvanized Steel Sliding Gate	9,417.30	1,544.75
		For 1" Mesh Fabric, Add	2,752.56	
		For 1-1/4" Mesh Fabric, Add	1,771.76	
		For 1-3/4" Mesh Fabric, Add	1,101.02	
		For 2-1/8" Mesh Fabric, Deduct	-550.51	
		For Gate With Barb Wire Arm, Add	696.05	
		For Vinyl Coated, Add	1,898.32	
32 31 13 13-0610	EA	30' Long x 9' High Chain Link Galvanized Steel Sliding Gate	11,829.44	1,930.73
		For 1" Mesh Fabric, Add	3,466.12	
		For 1-1/4" Mesh Fabric, Add	2,231.07	
		For 1-3/4" Mesh Fabric, Add	1,386.45	
		For 2-1/8" Mesh Fabric, Deduct	-693.22	
		For Gate With Barb Wire Arm, Add	876.49	
		For Vinyl Coated, Add	2,390.43	
32 31 13 13-0611	EA	40' Long x 9' High Chain Link Galvanized Steel Sliding Gate	15,776.80	2,576.39
		For 1" Mesh Fabric, Add	4,621.51	
		For 1-1/4" Mesh Fabric, Add	2,974.76	
		For 1-3/4" Mesh Fabric, Add	1,848.60	
		For 2-1/8" Mesh Fabric, Deduct	-924.30	
		For Gate With Barb Wire Arm, Add	1,168.66	
		For Vinyl Coated, Add	3,187.25	

32 31 13 13-0612 10' High Chain Link Galvanized Steel Sliding Gate (32 31 13 13-0551)

32 31 13 13-0613	EA	10' Long x 10' High Chain Link Galvanized Steel Sliding Gate	4,190.73	710.23
		For 1" Mesh Fabric, Add	1,205.07	
		For 1-1/4" Mesh Fabric, Add	775.68	
		For 1-3/4" Mesh Fabric, Add	482.03	
		For 2-1/8" Mesh Fabric, Deduct	-241.01	
		For Gate With Barb Wire Arm, Add	304.73	
		For Vinyl Coated, Add	831.08	
32 31 13 13-0614	EA	12' Long x 10' High Chain Link Galvanized Steel Sliding Gate	5,028.89	852.26
		For 1" Mesh Fabric, Add	1,446.08	
		For 1-1/4" Mesh Fabric, Add	930.81	
		For 1-3/4" Mesh Fabric, Add	578.43	
		For 2-1/8" Mesh Fabric, Deduct	-289.22	
		For Gate With Barb Wire Arm, Add	365.68	
		For Vinyl Coated, Add	997.30	
32 31 13 13-0615	EA	14' Long x 10' High Chain Link Galvanized Steel Sliding Gate	5,867.51	994.51
		For 1" Mesh Fabric, Add	1,687.10	
		For 1-1/4" Mesh Fabric, Add	1,085.95	
		For 1-3/4" Mesh Fabric, Add	674.84	
		For 2-1/8" Mesh Fabric, Deduct	-337.42	
		For Gate With Barb Wire Arm, Add	426.62	
		For Vinyl Coated, Add	1,163.52	
32 31 13 13-0616	EA	16' Long x 10' High Chain Link Galvanized Steel Sliding Gate	6,705.46	1,136.54
		For 1" Mesh Fabric, Add	1,928.12	
		For 1-1/4" Mesh Fabric, Add	1,241.09	
		For 1-3/4" Mesh Fabric, Add	771.25	
		For 2-1/8" Mesh Fabric, Deduct	-385.62	
		For Gate With Barb Wire Arm, Add	487.57	
		For Vinyl Coated, Add	1,329.74	
32 31 13 13-0617	EA	18' Long x 10' High Chain Link Galvanized Steel Sliding Gate	7,543.31	1,278.44
		For 1" Mesh Fabric, Add	2,169.12	
		For 1-1/4" Mesh Fabric, Add	1,396.21	
		For 1-3/4" Mesh Fabric, Add	867.65	
		For 2-1/8" Mesh Fabric, Deduct	-433.82	
		For Gate With Barb Wire Arm, Add	548.51	
		For Vinyl Coated, Add	1,495.94	
32 31 13 13-0618	EA	20' Long x 10' High Chain Link Galvanized Steel Sliding Gate	8,381.47	1,420.46
		For 1" Mesh Fabric, Add	2,410.13	
		For 1-1/4" Mesh Fabric, Add	1,551.35	
		For 1-3/4" Mesh Fabric, Add	964.05	
		For 2-1/8" Mesh Fabric, Deduct	-482.03	
		For Gate With Barb Wire Arm, Add	609.46	
		For Vinyl Coated, Add	1,662.16	
32 31 13 13-0619	EA	24' Long x 10' High Chain Link Galvanized Steel Sliding Gate	10,010.22	1,705.22
		For 1" Mesh Fabric, Add	2,870.95	
		For 1-1/4" Mesh Fabric, Add	1,847.97	
		For 1-3/4" Mesh Fabric, Add	1,148.38	
		For 2-1/8" Mesh Fabric, Deduct	-574.19	
		For Gate With Barb Wire Arm, Add	725.99	
		For Vinyl Coated, Add	1,979.96	
32 31 13 13-0620	EA	30' Long x 10' High Chain Link Galvanized Steel Sliding Gate	12,572.20	2,130.69
		For 1" Mesh Fabric, Add	3,615.20	
		For 1-1/4" Mesh Fabric, Add	2,327.03	
		For 1-3/4" Mesh Fabric, Add	1,446.08	
		For 2-1/8" Mesh Fabric, Deduct	-723.04	
		For Gate With Barb Wire Arm, Add	914.19	
		For Vinyl Coated, Add	2,493.24	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0621	EA		40' Long x 10' High Chain Link Galvanized Steel Sliding Gate.....	16,759.55	2,839.26
			For 1" Mesh Fabric, Add	4,820.28	
			For 1-1/4" Mesh Fabric, Add	3,102.71	
			For 1-3/4" Mesh Fabric, Add	1,928.11	
			For 2-1/8" Mesh Fabric, Deduct	-964.06	
			For Gate With Barb Wire Arm, Add	1,218.92	
			For Vinyl Coated, Add	3,324.33	
32 31 13 13-0622			Sliding Cantilever Gate, Single Track, Manually Operated Exposed Roller⁽³²⁾		
			31 13 13-0268)		
			Note: Includes posts (3" diameter posts for up to 15' wide gate and 4" diameter over 15' wide), caps, upper rail, track brackets, roller gate wheel carrier, metal track rollers for rail, 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes truss rod, latches, single track, track rollers with brackets, pipe track clamps and two wheel carriers. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating. Width listed on tasks is opening width of gate. See CSI section 32 31 11 00-0021 for gate operators.		
32 31 13 13-0623	EA		5' High x 10' Wide Galvanized Cantilever Sliding Gate.....	6,517.80	473.02
			For 1" Mesh Fabric, Add	2,423.72	
			For 1-1/4" Mesh Fabric, Add	1,560.10	
			For 1-3/4" Mesh Fabric, Add	969.49	
			For 2-1/8" Mesh Fabric, Deduct	-484.74	
			For Gate With Single Barb Wire Arm, Add	612.89	
			For Gate With Double Barb Wire Arm, Add	891.48	
			For Aluminized Steel Gate And Post, Add	2,674.45	
			For Powder Coated Gate And Post, Add	1,170.07	
			For Vinyl Coated, Add	1,671.53	
32 31 13 13-0624	EA		5' High x 12' Wide Galvanized Cantilever Sliding Gate.....	7,133.59	591.27
			For 1" Mesh Fabric, Add	2,588.71	
			For 1-1/4" Mesh Fabric, Add	1,666.30	
			For 1-3/4" Mesh Fabric, Add	1,035.48	
			For 2-1/8" Mesh Fabric, Deduct	-517.74	
			For Gate With Single Barb Wire Arm, Add	654.62	
			For Gate With Double Barb Wire Arm, Add	952.17	
			For Aluminized Steel Gate And Post, Add	2,856.51	
			For Powder Coated Gate And Post, Add	1,249.72	
			For Vinyl Coated, Add	1,785.32	
32 31 13 13-0625	EA		5' High x 15' Wide Galvanized Cantilever Sliding Gate.....	7,754.61	709.52
			For 1" Mesh Fabric, Add	2,755.97	
			For 1-1/4" Mesh Fabric, Add	1,773.96	
			For 1-3/4" Mesh Fabric, Add	1,102.39	
			For 2-1/8" Mesh Fabric, Deduct	-551.19	
			For Gate With Single Barb Wire Arm, Add	696.91	
			For Gate With Double Barb Wire Arm, Add	1,013.69	
			For Aluminized Steel Gate And Post, Add	3,041.07	
			For Powder Coated Gate And Post, Add	1,330.47	
			For Vinyl Coated, Add	1,900.67	
32 31 13 13-0626	EA		5' High x 20' Wide Galvanized Cantilever Sliding Gate.....	9,072.34	946.03
			For 1" Mesh Fabric, Add	3,123.43	
			For 1-1/4" Mesh Fabric, Add	2,010.48	
			For 1-3/4" Mesh Fabric, Add	1,249.37	
			For 2-1/8" Mesh Fabric, Deduct	-624.69	
			For Gate With Single Barb Wire Arm, Add	789.83	
			For Gate With Double Barb Wire Arm, Add	1,148.85	
			For Aluminized Steel Gate And Post, Add	3,446.54	
			For Powder Coated Gate And Post, Add	1,507.86	
			For Vinyl Coated, Add	2,154.09	
32 31 13 13-0627	EA		6' High x 15' Wide Galvanized Cantilever Sliding Gate.....	8,416.93	946.03
			For 1" Mesh Fabric, Add	2,838.32	
			For 1-1/4" Mesh Fabric, Add	1,826.97	
			For 1-3/4" Mesh Fabric, Add	1,135.33	
			For 2-1/8" Mesh Fabric, Deduct	-567.66	
			For Gate With Single Barb Wire Arm, Add	717.74	
			For Gate With Double Barb Wire Arm, Add	1,043.98	
			For Aluminized Steel Gate And Post, Add	3,131.94	
			For Powder Coated Gate And Post, Add	1,370.22	
			For Vinyl Coated, Add	1,957.46	
32 31 13 13-0628	EA		6' High x 20' Wide Galvanized Cantilever Sliding Gate.....	9,831.64	1,241.66
			For 1" Mesh Fabric, Add	3,196.51	
			For 1-1/4" Mesh Fabric, Add	2,057.53	
			For 1-3/4" Mesh Fabric, Add	1,278.61	
			For 2-1/8" Mesh Fabric, Deduct	-639.30	
			For Gate With Single Barb Wire Arm, Add	808.31	
			For Gate With Double Barb Wire Arm, Add	1,175.73	
			For Aluminized Steel Gate And Post, Add	3,527.19	
			For Powder Coated Gate And Post, Add	1,543.15	
			For Vinyl Coated, Add	2,204.49	
32 31 13 13-0629	EA		6' High x 25' Wide Galvanized Cantilever Sliding Gate.....	13,062.00	1,537.30
			For 1" Mesh Fabric, Add	4,344.52	
			For 1-1/4" Mesh Fabric, Add	2,796.47	
			For 1-3/4" Mesh Fabric, Add	1,737.81	
			For 2-1/8" Mesh Fabric, Deduct	-868.90	
			For Gate With Single Barb Wire Arm, Add	1,098.61	
			For Gate With Double Barb Wire Arm, Add	1,597.98	
			For Aluminized Steel Gate And Post, Add	4,793.95	
			For Powder Coated Gate And Post, Add	2,097.35	
			For Vinyl Coated, Add	2,996.22	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 31 13 13-0630	EA 6' High x 30' Wide Galvanized Cantilever Sliding Gate.....	14,688.20	1,832.93
	For 1" Mesh Fabric, Add	4,794.72	
	For 1-1/4" Mesh Fabric, Add	3,086.26	
	For 1-3/4" Mesh Fabric, Add	1,917.89	
	For 2-1/8" Mesh Fabric, Deduct	-958.94	
	For Gate With Single Barb Wire Arm, Add	1,212.46	
	For Gate With Double Barb Wire Arm, Add	1,763.57	
	For Aluminized Steel Gate And Post, Add	5,290.72	
	For Powder Coated Gate And Post, Add	2,314.69	
	For Vinyl Coated, Add	3,306.70	
32 31 13 13-0631	EA 6' High x 36' Wide Galvanized Cantilever Sliding Gate.....	17,247.42	2,010.31
	For 1" Mesh Fabric, Add	5,753.66	
	For 1-1/4" Mesh Fabric, Add	3,703.51	
	For 1-3/4" Mesh Fabric, Add	2,301.46	
	For 2-1/8" Mesh Fabric, Deduct	-1,150.73	
	For Gate With Single Barb Wire Arm, Add	1,454.95	
	For Gate With Double Barb Wire Arm, Add	2,116.29	
	For Aluminized Steel Gate And Post, Add	6,348.87	
	For Powder Coated Gate And Post, Add	2,777.63	
	For Vinyl Coated, Add	3,968.04	
32 31 13 13-0632	EA 8' High x 15' Wide Galvanized Cantilever Sliding Gate.....	9,830.23	1,182.53
	For 1" Mesh Fabric, Add	3,247.34	
	For 1-1/4" Mesh Fabric, Add	2,090.24	
	For 1-3/4" Mesh Fabric, Add	1,298.94	
	For 2-1/8" Mesh Fabric, Deduct	-649.47	
	For Gate With Single Barb Wire Arm, Add	821.17	
	For Gate With Double Barb Wire Arm, Add	1,194.43	
	For Aluminized Steel Gate And Post, Add	3,583.28	
	For Powder Coated Gate And Post, Add	1,567.68	
	For Vinyl Coated, Add	2,239.55	
32 31 13 13-0633	EA 8' High x 20' Wide Galvanized Cantilever Sliding Gate.....	11,598.71	1,596.42
	For 1" Mesh Fabric, Add	3,656.55	
	For 1-1/4" Mesh Fabric, Add	2,353.64	
	For 1-3/4" Mesh Fabric, Add	1,462.62	
	For 2-1/8" Mesh Fabric, Deduct	-731.31	
	For Gate With Single Barb Wire Arm, Add	924.64	
	For Gate With Double Barb Wire Arm, Add	1,344.94	
	For Aluminized Steel Gate And Post, Add	4,034.81	
	For Powder Coated Gate And Post, Add	1,765.23	
	For Vinyl Coated, Add	2,521.76	
32 31 13 13-0634	EA 8' High x 25' Wide Galvanized Cantilever Sliding Gate.....	15,445.32	2,010.31
	For 1" Mesh Fabric, Add	4,969.74	
	For 1-1/4" Mesh Fabric, Add	3,198.92	
	For 1-3/4" Mesh Fabric, Add	1,987.90	
	For 2-1/8" Mesh Fabric, Deduct	-993.95	
	For Gate With Single Barb Wire Arm, Add	1,256.72	
	For Gate With Double Barb Wire Arm, Add	1,827.95	
	For Aluminized Steel Gate And Post, Add	5,483.86	
	For Powder Coated Gate And Post, Add	2,399.19	
	For Vinyl Coated, Add	3,427.41	
32 31 13 13-0635	EA 8' High x 30' Wide Galvanized Cantilever Sliding Gate.....	17,337.27	2,365.07
	For 1" Mesh Fabric, Add	5,484.11	
	For 1-1/4" Mesh Fabric, Add	3,530.00	
	For 1-3/4" Mesh Fabric, Add	2,193.64	
	For 2-1/8" Mesh Fabric, Deduct	-1,096.82	
	For Gate With Single Barb Wire Arm, Add	1,386.79	
	For Gate With Double Barb Wire Arm, Add	2,017.14	
	For Aluminized Steel Gate And Post, Add	6,051.43	
	For Powder Coated Gate And Post, Add	2,647.50	
	For Vinyl Coated, Add	3,782.14	
32 31 13 13-0636	EA 8' High x 36' Wide Galvanized Cantilever Sliding Gate.....	20,331.72	2,601.58
	For 1" Mesh Fabric, Add	6,580.93	
	For 1-1/4" Mesh Fabric, Add	4,236.00	
	For 1-3/4" Mesh Fabric, Add	2,632.37	
	For 2-1/8" Mesh Fabric, Deduct	-1,316.19	
	For Gate With Single Barb Wire Arm, Add	1,664.14	
	For Gate With Double Barb Wire Arm, Add	2,420.57	
	For Aluminized Steel Gate And Post, Add	7,261.71	
	For Powder Coated Gate And Post, Add	3,177.00	
	For Vinyl Coated, Add	4,538.57	
32 31 13 13-0637	EA 10' High x 15' Wide Galvanized Cantilever Sliding Gate.....	11,236.38	1,419.05
	For 1" Mesh Fabric, Add	3,653.26	
	For 1-1/4" Mesh Fabric, Add	2,351.52	
	For 1-3/4" Mesh Fabric, Add	1,461.30	
	For 2-1/8" Mesh Fabric, Deduct	-730.65	
	For Gate With Single Barb Wire Arm, Add	923.81	
	For Gate With Double Barb Wire Arm, Add	1,343.73	
	For Aluminized Steel Gate And Post, Add	4,031.18	
	For Powder Coated Gate And Post, Add	1,763.64	
	For Vinyl Coated, Add	2,519.49	
32 31 13 13-0638	EA 10' High x 20' Wide Galvanized Cantilever Sliding Gate.....	13,017.37	1,832.93
	For 1" Mesh Fabric, Add	4,067.91	
	For 1-1/4" Mesh Fabric, Add	2,618.42	
	For 1-3/4" Mesh Fabric, Add	1,627.16	
	For 2-1/8" Mesh Fabric, Deduct	-813.58	
	For Gate With Single Barb Wire Arm, Add	1,028.67	
	For Gate With Double Barb Wire Arm, Add	1,496.24	
	For Aluminized Steel Gate And Post, Add	4,488.72	
	For Powder Coated Gate And Post, Add	1,963.82	
	For Vinyl Coated, Add	2,805.45	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0639	EA	10' High x 25' Wide Galvanized Cantilever Sliding Gate.....	17,109.92	2,128.56	
		For 1" Mesh Fabric, Add	5,590.96		
		For 1-1/4" Mesh Fabric, Add	3,598.78		
		For 1-3/4" Mesh Fabric, Add	2,236.39		
		For 2-1/8" Mesh Fabric, Deduct	-1,118.19		
		For Gate With Single Barb Wire Arm, Add	1,413.81		
		For Gate With Double Barb Wire Arm, Add	2,056.45		
		For Aluminized Steel Gate And Post, Add	6,169.34		
		For Powder Coated Gate And Post, Add	2,699.09		
		For Vinyl Coated, Add	3,855.84		
32 31 13 13-0640	EA	10' High x 30' Wide Galvanized Cantilever Sliding Gate.....	19,149.68	2,483.32	
		For 1" Mesh Fabric, Add	6,169.62		
		For 1-1/4" Mesh Fabric, Add	3,971.25		
		For 1-3/4" Mesh Fabric, Add	2,467.85		
		For 2-1/8" Mesh Fabric, Deduct	-1,233.92		
		For Gate With Single Barb Wire Arm, Add	1,560.13		
		For Gate With Double Barb Wire Arm, Add	2,269.28		
		For Aluminized Steel Gate And Post, Add	6,807.85		
		For Powder Coated Gate And Post, Add	2,978.44		
		For Vinyl Coated, Add	4,254.91		
32 31 13 13-0641	EA	10' High x 36' Wide Galvanized Cantilever Sliding Gate.....	22,459.30	2,719.83	
		For 1" Mesh Fabric, Add	7,403.54		
		For 1-1/4" Mesh Fabric, Add	4,765.50		
		For 1-3/4" Mesh Fabric, Add	2,961.42		
		For 2-1/8" Mesh Fabric, Deduct	-1,480.71		
		For Gate With Single Barb Wire Arm, Add	1,872.16		
		For Gate With Double Barb Wire Arm, Add	2,723.14		
		For Aluminized Steel Gate And Post, Add	8,169.43		
		For Powder Coated Gate And Post, Add	3,574.12		
		For Vinyl Coated, Add	5,105.89		
32 31 13 13-0642	EA	12' High x 15' Wide Galvanized Cantilever Sliding Gate.....	13,270.81	1,596.42	
		For 1" Mesh Fabric, Add	4,383.91		
		For 1-1/4" Mesh Fabric, Add	2,821.83		
		For 1-3/4" Mesh Fabric, Add	1,753.57		
		For 2-1/8" Mesh Fabric, Deduct	-876.78		
		For Gate With Single Barb Wire Arm, Add	1,108.58		
		For Gate With Double Barb Wire Arm, Add	1,612.47		
		For Aluminized Steel Gate And Post, Add	4,837.42		
		For Powder Coated Gate And Post, Add	2,116.37		
		For Vinyl Coated, Add	3,023.39		
32 31 13 13-0643	EA	12' High x 20' Wide Galvanized Cantilever Sliding Gate.....	15,368.51	2,010.31	
		For 1" Mesh Fabric, Add	4,936.34		
		For 1-1/4" Mesh Fabric, Add	3,177.41		
		For 1-3/4" Mesh Fabric, Add	1,974.53		
		For 2-1/8" Mesh Fabric, Deduct	-987.27		
		For Gate With Single Barb Wire Arm, Add	1,248.27		
		For Gate With Double Barb Wire Arm, Add	1,815.66		
		For Aluminized Steel Gate And Post, Add	5,446.99		
		For Powder Coated Gate And Post, Add	2,383.06		
		For Vinyl Coated, Add	3,404.37		
32 31 13 13-0644	EA	12' High x 25' Wide Galvanized Cantilever Sliding Gate.....	20,035.22	2,305.94	
		For 1" Mesh Fabric, Add	6,709.15		
		For 1-1/4" Mesh Fabric, Add	4,318.54		
		For 1-3/4" Mesh Fabric, Add	2,683.66		
		For 2-1/8" Mesh Fabric, Deduct	-1,341.83		
		For Gate With Single Barb Wire Arm, Add	1,696.57		
		For Gate With Double Barb Wire Arm, Add	2,467.73		
		For Aluminized Steel Gate And Post, Add	7,403.20		
		For Powder Coated Gate And Post, Add	3,238.90		
		For Vinyl Coated, Add	4,627.00		
32 31 13 13-0645	EA	12' High x 30' Wide Galvanized Cantilever Sliding Gate.....	22,222.79	2,601.58	
		For 1" Mesh Fabric, Add	7,403.54		
		For 1-1/4" Mesh Fabric, Add	4,765.50		
		For 1-3/4" Mesh Fabric, Add	2,961.42		
		For 2-1/8" Mesh Fabric, Deduct	-1,480.71		
		For Gate With Single Barb Wire Arm, Add	1,872.16		
		For Gate With Double Barb Wire Arm, Add	2,723.14		
		For Aluminized Steel Gate And Post, Add	8,169.43		
		For Powder Coated Gate And Post, Add	3,574.12		
		For Vinyl Coated, Add	5,105.89		
32 31 13 13-0646	EA	12' High x 36' Wide Galvanized Cantilever Sliding Gate.....	25,217.22	2,838.08	
		For 1" Mesh Fabric, Add	8,500.36		
		For 1-1/4" Mesh Fabric, Add	5,471.50		
		For 1-3/4" Mesh Fabric, Add	3,400.14		
		For 2-1/8" Mesh Fabric, Deduct	-1,700.07		
		For Gate With Single Barb Wire Arm, Add	2,149.52		
		For Gate With Double Barb Wire Arm, Add	3,126.57		
		For Aluminized Steel Gate And Post, Add	9,379.71		
		For Powder Coated Gate And Post, Add	4,103.62		
		For Vinyl Coated, Add	5,862.32		
32 31 13 13-0647		Gate Accessories (32 31 13 13-0268)			
32 31 13 13-0648	EA	3" Wheel Diameter, 1" Wheel Width, Black Rubber, Spring-loaded Gate Caster	66.08	16.04	
		Note: 100 Lb. max weight capacity			
32 31 13 13-0649	EA	4" Wheel Diameter, 1-1/4" Wheel Width, Black Rubber, Spring-loaded Gate Caster	76.33	16.04	
		Note: 225 Lb. max weight capacity			
32 31 13 13-0650	EA	6" Wheel Diameter, 2" Wheel Width, Black Rubber, Spring-loaded Gate Caster	142.17	16.04	
		Note: 550 Lb. max weight capacity			
32 31 13 13-0651	EA	Gate Center Stop, Cast Steel, Ground	41.50		
32 31 13 13-0652	EA	Gate Latch, Malleable Galvanized Steel.....	57.51		

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 31 13 13-0653	EA	Gate Keeper, Full Length, Galvanized Steel.....	269.69	
32 31 13 13-0654	EA	Gate Keeper Hold-Open For Cantilever Gate.....	106.78	18.95
32 31 13 13-0655	EA	Heavy-Duty Gate Latch, Malleable Galvanized Steel.....	60.54	
32 31 13 13-0656	EA	Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For 3' To 5' High Gate.....	1,136.55	
32 31 13 13-0657	EA	Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For >5' To 8' High Gate.....	1,217.83	
32 31 13 13-0658	EA	Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For >8' To 12' High Gate.....	1,299.12	
32 31 13 13-0659	LF	Aluminum V-Groove Gate Track.....	63.55	10.91
32 31 13 13-0660	LF	Galvanized Steel V-Groove Gate Track.....	46.47	10.91

32 31 13 13-0661 Vertical-Pivot Lift Gate (32 31 13 13-0268)

Note: Includes 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes operator. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating. Width listed on tasks is opening width of gate.

32 31 13 13-0662	EA	5' High x 12' Wide Galvanized Vertical-Pivot Lift Gate.....	25,394.16	886.90
		For Curb Notch, Add.....	239.00	
		For Prewired Loop Kit, Add.....	245.00	
32 31 13 13-0663	EA	5' High x 14' Wide Galvanized Vertical-Pivot Lift Gate.....	25,748.92	1,064.28
		For Curb Notch, Add.....	239.00	
		For Prewired Loop Kit, Add.....	245.00	
32 31 13 13-0664	EA	5' High x 16' Wide Galvanized Vertical-Pivot Lift Gate.....	26,103.68	1,241.66
		For Curb Notch, Add.....	239.00	
		For Prewired Loop Kit, Add.....	245.00	
		For Wind Bracing, Add.....	287.50	
32 31 13 13-0665	EA	5' High x 18' Wide Galvanized Vertical-Pivot Lift Gate.....	26,754.62	1,419.05
		For Curb Notch, Add.....	239.00	
		For Prewired Loop Kit, Add.....	245.00	
		For Wind Bracing, Add.....	317.50	
32 31 13 13-0666	EA	5' High x 20' Wide Galvanized Vertical-Pivot Lift Gate.....	27,390.76	1,596.42
		For Curb Notch, Add.....	239.00	
		For Prewired Loop Kit, Add.....	245.00	
		For Wind Bracing, Add.....	317.50	
32 31 13 13-0667	EA	6' High x 12' Wide Galvanized Vertical-Pivot Lift Gate.....	26,503.85	1,152.97
		For Curb Notch, Add.....	239.00	
		For Prewired Loop Kit, Add.....	245.00	
32 31 13 13-0668	EA	6' High x 14' Wide Galvanized Vertical-Pivot Lift Gate.....	26,858.61	1,330.35
		For Curb Notch, Add.....	239.00	
		For Prewired Loop Kit, Add.....	245.00	
32 31 13 13-0669	EA	6' High x 16' Wide Galvanized Vertical-Pivot Lift Gate.....	27,213.37	1,507.73
		For Curb Notch, Add.....	239.00	
		For Prewired Loop Kit, Add.....	245.00	
		For Wind Bracing, Add.....	287.50	
32 31 13 13-0670	EA	6' High x 18' Wide Galvanized Vertical-Pivot Lift Gate.....	27,731.02	1,685.11
		For Curb Notch, Add.....	239.00	
		For Prewired Loop Kit, Add.....	245.00	
		For Wind Bracing, Add.....	317.50	
32 31 13 13-0671	EA	6' High x 20' Wide Galvanized Vertical-Pivot Lift Gate.....	28,500.45	1,862.49
		For Curb Notch, Add.....	239.00	
		For Prewired Loop Kit, Add.....	245.00	
		For Wind Bracing, Add.....	317.50	

32 31 13 13-0672 Accessories (32 31 13 13)**32 31 13 13-0673 Barbed And Concertina Wire** (32 31 13 13-0672)**32 31 13 13-0674 Single Strand Barbed Wire** (32 31 13 13-0673)

32 31 13 13-0675	LF	12-1/2 Gauge, 4 Points, 5" O. C., ASTM A121, Class 1, Galvanized Barbed Wire, Per Strand.....	1.13	0.50
		Note: Includes clips. 4 points 12-1/2 Gauge, Class I.		
		For >500 To 2,000, Deduct.....	-0.05	
		For >2,000 To 5,000, Deduct.....	-0.08	
32 31 13 13-0676	LF	12-1/2 Gauge, 4 Points, 5" O. C., ASTM A121, Class 3, Galvanized Barbed Wire, Per Strand.....	1.17	0.50
		For >500 To 2,000, Deduct.....	-0.05	
		For >2,000 To 5,000, Deduct.....	-0.08	
32 31 13 13-0677	LF	Vinyl Coated Barbed Wire (Fused), Per Strand.....	1.26	0.50
		Note: Includes clips.		
		For >500 To 2,000, Deduct.....	-0.05	
		For >2,000 To 5,000, Deduct.....	-0.08	
32 31 13 13-0678	EA	Chain Link 2-1/2" (2-3/8" OD) x 1-5/8", 3 Strand, 45 Degree, Galvanized Steel, Barbed Wire Single Arm Mounted On Top Of Post.....	15.62	7.98
32 31 13 13-0679	EA	Chain Link 2-1/2" (2-3/8" OD) x 1-5/8", 6 Strand, 45 Degree, Galvanized Steel, Barbed Wire V-Barb Arm Mounted On Top Of Post.....	26.61	9.57
32 31 13 13-0680	EA	Barbed Wire Eye Tops (For Single Strand) Mounted On Top Of Post.....	13.06	7.98

32 31 13 13-0681 Galvanized Steel Concertina (Razor) Wire, Single Coil (32 31 13 13-0673)

32 31 13 13-0682	LF	18" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	5.56	0.70
		For >500 To 1,500, Deduct.....	-0.47	
		For >1,500 To 5,000, Deduct.....	-0.93	
		For >5,000, Deduct.....	-1.31	
		For Ground Installation, Deduct.....	-0.50	
		For Double Coil (Helix), Add.....	4.57	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0683	LF		18" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	8.40	0.70
			For >500 To 1,500, Deduct	-0.70	
			For >1,500 To 5,000, Deduct	-1.41	
			For >5,000, Deduct	-1.98	
			For Ground Installation, Deduct	-0.75	
			For Double Coil (Helix), Add	6.91	
32 31 13 13-0684	LF		18" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	11.13	0.70
			For >500 To 1,500, Deduct	-0.93	
			For >1,500 To 5,000, Deduct	-1.87	
			For >5,000, Deduct	-2.62	
			For Ground Installation, Deduct	-1.00	
			For Double Coil (Helix), Add	9.14	
32 31 13 13-0685	LF		24" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	9.82	0.70
			For >500 To 1,500, Deduct	-0.79	
			For >1,500 To 5,000, Deduct	-1.58	
			For >5,000, Deduct	-2.19	
			For Ground Installation, Deduct	-0.55	
			For Double Coil (Helix), Add	8.72	
32 31 13 13-0686	LF		24" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	14.86	0.70
			For >500 To 1,500, Deduct	-1.20	
			For >1,500 To 5,000, Deduct	-2.40	
			For >5,000, Deduct	-3.31	
			For Ground Installation, Deduct	-0.83	
			For Double Coil (Helix), Add	13.20	
32 31 13 13-0687	LF		24" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	19.61	0.70
			For >500 To 1,500, Deduct	-1.58	
			For >1,500 To 5,000, Deduct	-3.16	
			For >5,000, Deduct	-4.36	
			For Ground Installation, Deduct	-1.10	
			For Double Coil (Helix), Add	17.42	
32 31 13 13-0688	LF		30" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	32.35	0.70
			For >500 To 1,500, Deduct	-2.49	
			For >1,500 To 5,000, Deduct	-4.98	
			For >5,000, Deduct	-6.72	
			For Ground Installation, Deduct	-0.62	
			For Double Coil (Helix), Add	31.11	
32 31 13 13-0689	LF		30" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	48.98	0.70
			For >500 To 1,500, Deduct	-3.77	
			For >1,500 To 5,000, Deduct	-7.53	
			For >5,000, Deduct	-10.17	
			For Ground Installation, Deduct	-0.94	
			For Double Coil (Helix), Add	47.11	
32 31 13 13-0690	LF		30" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	64.71	0.70
			For >500 To 1,500, Deduct	-4.98	
			For >1,500 To 5,000, Deduct	-9.96	
			For >5,000, Deduct	-13.44	
			For Ground Installation, Deduct	-1.25	
			For Double Coil (Helix), Add	62.22	
32 31 13 13-0691			Stainless Steel Concertina (Razor) Wire, Single Coil (32 31 13 13-0673)		
32 31 13 13-0692	LF		18" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	10.69	0.70
			For >500 To 1,500, Deduct	-0.85	
			For >1,500 To 5,000, Deduct	-1.70	
			For >5,000, Deduct	-2.34	
			For Ground Installation, Deduct	-0.50	
			For Double Coil (Helix), Add	9.70	
32 31 13 13-0693	LF		18" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	16.17	0.70
			For >500 To 1,500, Deduct	-1.29	
			For >1,500 To 5,000, Deduct	-2.58	
			For >5,000, Deduct	-3.53	
			For Ground Installation, Deduct	-0.75	
			For Double Coil (Helix), Add	14.68	
32 31 13 13-0694	LF		18" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	21.38	0.70
			For >500 To 1,500, Deduct	-1.70	
			For >1,500 To 5,000, Deduct	-3.41	
			For >5,000, Deduct	-4.67	
			For Ground Installation, Deduct	-1.00	
			For Double Coil (Helix), Add	19.39	
32 31 13 13-0695	LF		24" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	14.17	0.70
			For >500 To 1,500, Deduct	-1.12	
			For >1,500 To 5,000, Deduct	-2.24	
			For >5,000, Deduct	-3.06	
			For Ground Installation, Deduct	-0.55	
			For Double Coil (Helix), Add	13.07	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 31 13 13-0696	LF	24" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence	21.45	0.70
		For >500 To 1,500, Deduct	-1.69	
		For >1,500 To 5,000, Deduct	-3.38	
		For >5,000, Deduct	-4.62	
		For Ground Installation, Deduct	-0.83	
		For Double Coil (Helix), Add	19.79	
32 31 13 13-0697	LF	24" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	28.31	0.70
		For >500 To 1,500, Deduct	-2.23	
		For >1,500 To 5,000, Deduct	-4.47	
		For >5,000, Deduct	-6.10	
		For Ground Installation, Deduct	-1.10	
		For Double Coil (Helix), Add	26.12	
32 31 13 13-0698	LF	30" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence	48.81	0.70
		For >500 To 1,500, Deduct	-3.72	
		For >1,500 To 5,000, Deduct	-7.45	
		For >5,000, Deduct	-10.01	
		For Ground Installation, Deduct	-0.62	
		For Double Coil (Helix), Add	47.57	
32 31 13 13-0699	LF	30" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence	73.93	0.70
		For >500 To 1,500, Deduct	-5.64	
		For >1,500 To 5,000, Deduct	-11.28	
		For >5,000, Deduct	-15.16	
		For Ground Installation, Deduct	-0.94	
		For Double Coil (Helix), Add	72.06	
32 31 13 13-0700	LF	30" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	97.63	0.70
		For >500 To 1,500, Deduct	-7.45	
		For >1,500 To 5,000, Deduct	-14.89	
		For >5,000, Deduct	-20.02	
		For Ground Installation, Deduct	-1.25	
		For Double Coil (Helix), Add	95.14	

32 31 13 13-0701 Grounding For Gates (32 31 13 13-0672)
 Note: Includes two of each of the following per opening: 5/8 ground rods, clamps, braided straps and #6 bare copper wire.

32 31 13 13-0702 OPNG Grounding For Gates (Per Opening).....454.87

32 31 13 13-0703 Coiled Spring Reinforcing Wire (32 31 13 13-0672)

32 31 13 13-0704 Galvanized Steel (32 31 13 13-0703)

32 31 13 13-0705 LF 7 Gauge, Galvanized Steel, Reinforcing Wire Coiled Spring1.20 0.50

32 31 13 13-0706 Vinyl Coated Steel (32 31 13 13-0703)

32 31 13 13-0707 LF 9 Gauge, Vinyl Coated Steel, Reinforcing Wire Coiled Spring.....1.20 0.50

32 31 13 13-0708 Bending Of Fabric Around Pipe Railings (32 31 13 13-0672)

Note: Only where specified.

32 31 13 13-0709 LF Bend Chain Link Fence Fabric Around Pipe Railing, Top1.61
 32 31 13 13-0710 LF Bend Chain Link Fence Fabric Around Pipe Railing, Bottom1.40

32 31 13 13-0711 Mounting Plate With Anchors Or Bolts (32 31 13 13-0672)

Note: For drilling for anchor or bolts, installing post on or against flat surface.

32 31 13 13-0712 EA Mounting Plate For 1-5/8" Diameter Post47.39
 32 31 13 13-0713 EA Mounting Plate For 2" Diameter Post.....48.19
 32 31 13 13-0714 EA Mounting Plate For 2-1/2" Diameter Post49.53
 32 31 13 13-0715 EA Mounting Plate For 3" Diameter Post.....59.85
 32 31 13 13-0716 EA Mounting Plate For 4" Diameter Post.....68.94
 32 31 13 13-0717 EA Mounting Plate For 6-5/8" Diameter Post80.01
 32 31 13 13-0718 EA Mounting Plate For 8-5/8" Diameter Post94.49

32 31 13 13-0719 Tension Bar (32 31 13 13-0672)

32 31 13 13-0720 EA 3' Long x 5/8" Wide x 3/16" Thick Galvanized Steel Tension Bar16.46
 32 31 13 13-0721 EA 3-1/2' Long x 5/8" Wide x 3/16" Thick Galvanized Steel Tension Bar17.51
 32 31 13 13-0722 EA 4' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar21.61
 32 31 13 13-0723 EA 5' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar25.05
 32 31 13 13-0724 EA 6' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar29.60
 32 31 13 13-0725 EA 7' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar34.36
 32 31 13 13-0726 EA 8' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar38.84
 32 31 13 13-0727 EA 9' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar46.64
 32 31 13 13-0728 EA 10' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar55.81

32 31 13 13-0729 Truss Rods (32 31 13 13-0672)

32 31 13 13-0730 LF 3/8" Diameter Truss Rods.....2.26 0.56

32 31 13 13-0731 Fence And Gate Repair And Replacement (32 31 13 13)

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 31 13 13-0732	Fence And Gate Parts Replacement (32 31 13 13-0731)	
32 31 13 13-0733	EA Cantilever Roller Assembly, Ball Bearing With Fittings, Replacement.....	129.10
32 31 13 13-0734	EA Sliding Gate Roller Assembly Replacement.....	125.90
32 31 13 13-0735	EA Rod And Lock Gate Keeper Replacement.....	128.90
32 31 13 13-0736	EA Galvanized Gate Holdback Replacement.....	28.43
32 31 13 13-0737	LF 3/8" Cross Bracing Rod Replacement.....	1.67
32 31 13 13-0738	LF 1-5/8" Diagonal Pipe Bracing Replacement.....	2.60
32 31 13 13-0739	EA 2-3/8" To 2-1/2" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement.....	28.30
32 31 13 13-0740	EA 2-7/8" To 3" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement.....	32.28
32 31 13 13-0741	EA 3-1/2" To 4" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement.....	36.38
32 31 13 13-0742	EA 6-1/2" To 6-5/8" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement.....	54.16
32 31 13 13-0743	EA 8-5/8" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement.....	107.27
32 31 13 13-0744	EA 2-1/2" x 2" Off Set Gate Hinge Replacement.....	26.80
32 31 13 13-0745	EA 3" x 2" Off Set Gate Hinge Replacement.....	27.96
32 31 13 13-0746	EA 4" x 2" Off Set Gate Hinge Replacement.....	29.83
32 31 13 13-0747	EA 6-5/8" x 2" Off Set Gate Hinge Replacement.....	48.98
32 31 13 13-0748	EA 8-5/8" x 2" Off Set Gate Hinge Replacement.....	77.39
32 31 13 13-0749	EA 1-5/8" Aluminum Die-Cast Post Cap Replacement.....	5.95
32 31 13 13-0750	EA 2" Aluminum Die-Cast Post Cap Replacement.....	6.54
32 31 13 13-0751	EA 2-1/2" Aluminum Die-Cast Post Cap Replacement.....	7.67
32 31 13 13-0752	EA 3" Aluminum Die-Cast Post Cap Replacement.....	8.97
32 31 13 13-0753	EA 2" Galvanized Post Cap Replacement.....	6.58
32 31 13 13-0754	EA 2-1/2" Galvanized Post Cap Replacement.....	7.12
32 31 13 13-0755	EA 3" Galvanized Post Cap Replacement.....	8.17
32 31 13 13-0756	EA 4" Galvanized Post Cap Replacement.....	12.20
32 31 13 13-0757	EA 6-5/8" Galvanized Post Cap Replacement.....	23.13
32 31 13 13-0758	EA 8-5/8" Galvanized Post Cap Replacement.....	38.04
32 31 13 13-0759	EA 1-5/8" Boulevard Clamp Replacement.....	10.94
32 31 13 13-0760	EA 2" Boulevard Clamp Replacement.....	13.35
32 31 13 13-0761	EA 2-1/2" Boulevard Clamp Replacement.....	15.65
32 31 13 13-0762	EA 3" Boulevard Clamp Replacement.....	19.00
32 31 13 13-0763	EA 1-5/8" Gate Brace Or End Rail Clamp Replacement.....	10.72
32 31 13 13-0764	EA 2" Gate Brace Or End Rail Clamp Replacement.....	13.04
32 31 13 13-0765	EA 2-1/2" Gate Brace Or End Rail Clamp Replacement.....	15.35
32 31 13 13-0766	EA 1-3/8" Heavy-Duty Galvanized Tension Band With Bolt, Replacement.....	10.93
32 31 13 13-0767	EA 1-5/8" Heavy-Duty Galvanized Tension Band With Bolt, Replacement.....	11.03
32 31 13 13-0768	EA 2" Heavy-Duty Galvanized Tension Band With Bolt, Replacement.....	11.29
32 31 13 13-0769	EA 2-1/2" Heavy-Duty Galvanized Tension Band With Bolt, Replacement.....	11.17
32 31 13 13-0770	EA 3" Heavy-Duty Galvanized Tension Band With Bolt, Replacement.....	11.37
32 31 13 13-0771	EA 3-1/2" Heavy-Duty Galvanized Tension Band With Bolt, Replacement.....	11.53
32 31 13 13-0772	EA 4" Heavy-Duty Galvanized Tension Band With Bolt, Replacement.....	12.00
32 31 13 13-0773	EA 6-5/8" Heavy-Duty Galvanized Tension Band With Bolt, Replacement.....	15.43
32 31 13 13-0774	EA 3" Gate Brace Or End Rail Clamp Replacement.....	18.68

32 31 13 13-0775	Removal And Reinstallation Of Chain Link Fences (32 31 13 13)	
	Note: Includes removal, storage, cleaning and reinstallation of fence fabric, rails and other components. Excludes post work. See CSI section 32 31 13 13-0001 for new post holes where required, 32 31 13 13-0058 for new fence posts where required.	
32 31 13 13-0776	LF Removal And Reinstallation Of Chain Link Fence Up To 5' Height.....	19.94
32 31 13 13-0777	LF Removal And Reinstallation Of Chain Link Fence 6' To 12' Height.....	29.91

32 31 13 13-0778	Ballfield Fencing (32 31 13 13)	
	See CSI section 32 31 13 13-0001 for auguring holes and concrete.	
32 31 13 13-0779	Concrete Bases For Ballfield Poles, Cast In Place (32 31 13 13-0778)	
	Note: Includes excavation/drilling, concrete, reinforcement, forms for exposed base, anchors/supports and backfill.	
32 31 13 13-0780	VLF 2-1/2" Diameter Concrete Base For Ballfield Poles.....	129.97
32 31 13 13-0781	VLF 3" Diameter Concrete Base For Ballfield Poles.....	153.31
32 31 13 13-0782	VLF 3-1/2" Diameter Concrete Base For Ballfield Poles.....	192.92
32 31 13 13-0783	VLF 4" Diameter Concrete Base For Ballfield Poles.....	227.95

32 31 13 13-0784	Ballfield Poles (32 31 13 13-0778)	
32 31 13 13-0785	EA 20' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting.....	8,235.87
	Note: 10' above grade	
32 31 13 13-0786	EA 25' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting.....	10,215.24
	Note: 15' above grade	
32 31 13 13-0787	EA 30' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting.....	11,732.94
	Note: 20' above grade	
32 31 13 13-0788	EA 40' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting.....	15,804.62
	Note: 30' above grade	
32 31 13 13-0789	EA 50' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting.....	21,220.38
	Note: 40' above grade	
32 31 13 13-0790	EA 60' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting.....	23,711.46
	Note: 50' above grade	

32 31 13 13-0791	Ballfield Nylon Netting (32 31 13 13-0778)	
	Note: Excludes fastening clips and cabling See CSI section 05 15 00 00-0000 for cabling and accessories.	
32 31 13 13-0792	LF 10' High, #18 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting.....	1.80
32 31 13 13-0793	LF 10' High, #21 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting.....	1.84
32 31 13 13-0794	LF 10' High, #36 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting.....	2.07
32 31 13 13-0795	LF 10' High, #42 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting.....	2.34

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 31 13 13-0796	LF	10' High, #48 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting	2.59	
32 31 13 13-0797	LF	10' High, #60 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting	3.46	
32 31 13 13-0798	LF	10' High, #72 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting	3.93	
32 31 13 13-0799	LF	10' High, #96 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting	5.11	

32 31 13 13-0800 Ballfield Chainlink Netting (32 31 13 13-0778)

Note: Excludes fastening clips and cabling See CSI section 05 15 00 00-0000 for cabling and accessories.

32 31 13 13-0801	SF	#9 Gauge Chain Link Fabric, 2" Mesh For Ballfield Netting	3.79	1.25
		For 13 Gauge Fabric, Deduct	-0.58	
		For 11 Gauge Fabric, Deduct	-0.32	
		For 6 Gauge Fabric, Add	1.02	
		For 1" Mesh Fabric, Add	0.96	
		For 1-3/4" Mesh Fabric, Add	0.38	
		For 2-1/8" Mesh Fabric, Deduct	-0.19	
		For 2-3/8" Mesh Fabric, Deduct	-0.26	

32 31 13 13-0802 Ballfield Netting Accessories (32 31 13 13-0778)

32 31 13 13-0803	EA	Sliding Clip For Ballfield Netting	8.84	
32 31 13 13-0804	EA	1/4" Utility Spring Swing Clip For Ballfield Netting	3.96	
32 31 13 13-0805	EA	5/16" Utility Spring Swing Clip For Ballfield Netting	4.16	
32 31 13 13-0806	EA	3/8" Utility Spring Swing Clip For Ballfield Netting	4.47	

32 31 13 33 Chain Link Backstops (32 31 13)**32 31 13 33-0001 Regulation Baseball Backstop** (32 31 13 33)

See CSI section 32 31 13 13-0001 for auguring holes and concrete.

32 31 13 33-0002	EA	20'-6" Wide x 13' High Baseball Backstop Prefabricated With Hood, Galvanized	13,033.94	2,028.26
32 31 13 33-0003	EA	34' Wide x 17'-6" High Baseball Backstop Prefabricated With Hood, Galvanized	18,835.86	2,704.35
32 31 13 33-0004	EA	48'-3-1/2" Wide x 24' High Baseball Backstop Prefabricated With Hood, Galvanized	24,050.64	3,155.07
32 31 13 33-0005	EA	20'-6" Wide x 13' High Baseball Backstop Prefabricated With Hood, Vinyl Coated	18,422.50	2,028.26
32 31 13 33-0006	EA	34' Wide x 17'-6" High Baseball Backstop Prefabricated With Hood, Vinyl Coated	26,898.85	2,704.35
32 31 13 33-0007	EA	48'-3-1/2" Wide x 24' High Baseball Backstop Prefabricated With Hood, Vinyl Coated	34,691.01	3,155.07
32 31 13 33-0008	SF	2" Thick Polyethylene Foam, 18 Oz Vinyl Cover, Padding Installed On Chain Link Backstop	14.87	
32 31 13 33-0009	SF	3" Thick Polyethylene Foam, 18 Oz Vinyl Cover, Padding Installed On Chain Link Backstop	17.76	

32 31 13 33-0010 Regulation Softball Backstop (32 31 13 33)

See CSI section 32 31 13 13-0001 for auguring holes and concrete.

32 31 13 33-0011 14' High Softball Backstop (32 31 13 33-0010)

Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.

32 31 13 33-0012	EA	14' Softball Backstop, Galvanized Regulation	11,011.45	2,056.55
32 31 13 33-0013	EA	14' Softball Backstop, Vinyl Coated Regulation	14,876.21	2,056.55

32 31 13 33-0014 18' High Softball Backstop (32 31 13 33-0010)

Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.

32 31 13 33-0015	EA	18' Softball Backstop, Galvanized Regulation	12,872.57	2,286.31
32 31 13 33-0016	EA	18' Softball Backstop Vinyl Coated Regulation	17,547.68	2,286.31

32 31 13 33-0017 20' High Softball Backstop (32 31 13 33-0010)

Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.

32 31 13 33-0018	EA	20' Softball Backstop, Galvanized Regulation	14,603.24	2,410.60
32 31 13 33-0019	EA	20' Softball Backstop, Vinyl Coated Regulation	20,151.10	2,410.60

32 31 13 33-0020 22' High Softball Backstop (32 31 13 33-0010)

Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.

32 31 13 33-0021	EA	22' Softball Backstop, Galvanized Regulation	16,849.88	2,483.32
32 31 13 33-0022	EA	22' Softball Backstop, Vinyl Coated Regulation	23,519.71	2,483.32

32 31 13 33-0023 24' High Softball Backstop (32 31 13 33-0010)

Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.

32 31 13 33-0024	EA	24' Softball Backstop, Galvanized Regulation	20,090.95	2,838.08
32 31 13 33-0025	EA	24' Softball Backstop, Vinyl Coated Regulation	28,381.48	2,838.08

32 31 16 Welded Wire Fences and Gates (32 31)**32 31 16 00-0001 Welded Wire Fence** (32 31 16)**32 31 16 00-0002 12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh** (32 31 16 00-0001)

Note: Posts 5' on center.

32 31 16 00-0003	LF	3' High, 12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh, Posts At 5'	10.02	1.81
32 31 16 00-0004	LF	5' High, 12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh, Posts At 5'	10.82	1.81

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
32 31 16 00-0005			14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh (32 31 16 00-0001)		
			Note: Posts 5' on center.		
32 31 16 00-0006	LF		3' High, 14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh, Posts At 5'.....	9.86	1.81
32 31 16 00-0007	LF		5' High, 14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh, Posts At 5'.....	10.57	1.81
32 31 19			Decorative Metal Fences and Gates (32 31)		
			See CSI section 32 31 13 13-0001 for drilling and grouting.		
32 31 19 00-0001			Wrought Iron Fence (32 31 19)		
			Note: Factory primed.		
32 31 19 00-0002			Wrought Iron Fence, 3/4" Verticals At >3" To 4" On Center (32 31 19 00-0001)		
			Note: Factory primed 8 foot long panel sections.		
32 31 19 00-0003	LF		3' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 2" Square Posts, Set 8' On Center	44.89	10.97
			For 6' Length Fence Panels With Posts Set 6' O.C., Add	8.27	
			For Verticals Up To 2" On Center, Add	7.34	
			For Verticals >2" To 2-1/2" On Center, Add	4.59	
			For Verticals >2-1/2" To 3" On Center, Add	1.84	
			For Verticals >4" To 6" On Center, Deduct	-2.07	
			For Pickets Extending Above Top Rail, Add	3.97	
			For Curved Pickets Extending Above Top Rail, Add	9.10	
32 31 19 00-0004	LF		4' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 2" Square Posts, Set 8' On Center	57.35	13.96
			For 6' Length Fence Panels With Posts Set 6' O.C., Add	10.49	
			For Verticals Up To 2" On Center, Add	9.73	
			For Verticals >2" To 2-1/2" On Center, Add	6.08	
			For Verticals >2-1/2" To 3" On Center, Add	2.43	
			For Verticals >4" To 6" On Center, Deduct	-2.74	
			For Pickets Extending Above Top Rail, Add	5.15	
			For Curved Pickets Extending Above Top Rail, Add	11.91	
32 31 19 00-0005	LF		5' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 2" Square Posts, Set 8' On Center	67.67	14.55
			For 6' Length Fence Panels With Posts Set 6' O.C., Add	12.20	
			For Verticals Up To 2" On Center, Add	12.28	
			For Verticals >2" To 2-1/2" On Center, Add	7.67	
			For Verticals >2-1/2" To 3" On Center, Add	3.07	
			For Verticals >4" To 6" On Center, Deduct	-3.45	
			For Pickets Extending Above Top Rail, Add	6.26	
			For Curved Pickets Extending Above Top Rail, Add	14.67	
32 31 19 00-0006	LF		6' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 2" Square Posts, Set 8' On Center	81.88	17.54
			For 6' Length Fence Panels With Posts Set 6' O.C., Add	14.74	
			For Verticals Up To 2" On Center, Add	14.94	
			For Verticals >2" To 2-1/2" On Center, Add	9.34	
			For Verticals >2-1/2" To 3" On Center, Add	3.74	
			For Verticals >4" To 6" On Center, Deduct	-4.20	
			For Pickets Extending Above Top Rail, Add	7.60	
			For Curved Pickets Extending Above Top Rail, Add	17.82	
32 31 19 00-0007	LF		7' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 2" Square Posts, Set 8' On Center	95.18	18.57
			For 6' Length Fence Panels With Posts Set 6' O.C., Add	16.88	
			For Verticals Up To 2" On Center, Add	18.57	
			For Verticals >2" To 2-1/2" On Center, Add	11.61	
			For Verticals >2-1/2" To 3" On Center, Add	4.64	
			For Verticals >4" To 6" On Center, Deduct	-5.22	
			For Pickets Extending Above Top Rail, Add	9.11	
			For Curved Pickets Extending Above Top Rail, Add	21.65	
32 31 19 00-0008	LF		8' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 3" Square Posts, Set 8' On Center	108.47	19.55
			For 6' Length Fence Panels With Posts Set 6' O.C., Add	19.01	
			For Verticals Up To 2" On Center, Add	22.20	
			For Verticals >2" To 2-1/2" On Center, Add	13.88	
			For Verticals >2-1/2" To 3" On Center, Add	5.55	
			For Verticals >4" To 6" On Center, Deduct	-6.25	
			For Pickets Extending Above Top Rail, Add	10.63	
			For Curved Pickets Extending Above Top Rail, Add	25.48	
32 31 19 00-0009	LF		10' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 3" Square Posts, Set 8' On Center	131.27	21.94
			For 6' Length Fence Panels With Posts Set 6' O.C., Add	22.76	
			For Verticals Up To 2" On Center, Add	27.97	
			For Verticals >2" To 2-1/2" On Center, Add	17.48	
			For Verticals >2-1/2" To 3" On Center, Add	6.99	
			For Verticals >4" To 6" On Center, Deduct	-7.87	
			For Pickets Extending Above Top Rail, Add	13.12	
			For Curved Pickets Extending Above Top Rail, Add	31.70	
32 31 19 00-0010	LF		12' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 3" Square Posts, Set 8' On Center	154.80	24.93
			For 6' Length Fence Panels With Posts Set 6' O.C., Add	26.71	
			For Verticals Up To 2" On Center, Add	33.58	
			For Verticals >2" To 2-1/2" On Center, Add	20.99	
			For Verticals >2-1/2" To 3" On Center, Add	8.40	
			For Verticals >4" To 6" On Center, Deduct	-9.45	
			For Pickets Extending Above Top Rail, Add	15.61	
			For Curved Pickets Extending Above Top Rail, Add	37.85	
32 31 19 00-0011			Wrought Iron Gates (32 31 19 00-0001)		
			Note: Factory primed.		
32 31 19 00-0012			Single Wrought Iron Gates (32 31 19 00-0011)		
			Note: Factory primed.		
32 31 19 00-0013	LF		3' Single Wrought Iron Gate, Hardware And Associated Trim	55.08	13.36
32 31 19 00-0014	LF		4' Single Wrought Iron Gate, Hardware And Associated Trim	72.26	16.55
32 31 19 00-0015	LF		5' Single Wrought Iron Gate, Hardware And Associated Trim	88.00	19.94
32 31 19 00-0016	LF		6' Single Wrought Iron Gate, Hardware And Associated Trim	106.84	23.93
32 31 19 00-0017	LF		8' Single Wrought Iron Gate, Hardware And Associated Trim	141.34	26.52
32 31 19 00-0018	LF		10' Single Wrought Iron Gate, Hardware And Associated Trim	170.09	29.31

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 31 19 00-0019 LF 12' Single Wrought Iron Gate, Hardware And Associated Trim198.31 33.30

32 31 19 00-0020 Double Wrought Iron Gates (32 31 19 00-0011)

Note: Factory primed.

32 31 19 00-0021	LF	3' Double Wrought Iron Gate, Hardware And Associated Trim	67.15	11.96
32 31 19 00-0022	LF	4' Double Wrought Iron Gate, Hardware And Associated Trim	88.00	14.95
32 31 19 00-0023	LF	5' Double Wrought Iron Gate, Hardware And Associated Trim	106.71	17.94
32 31 19 00-0024	LF	6' Double Wrought Iron Gate, Hardware And Associated Trim	129.14	21.54
32 31 19 00-0025	LF	8' Double Wrought Iron Gate, Hardware And Associated Trim	171.68	23.93
32 31 19 00-0026	LF	10' Double Wrought Iron Gate, Hardware And Associated Trim	206.95	26.32
32 31 19 00-0027	LF	12' Double Wrought Iron Gate, Hardware And Associated Trim	241.75	29.91

32 31 19 00-0028 Repair Or Replace Wrought Iron Fence (32 31 19 00-0001)

32 31 19 00-0029	LF	Removal And Replacement Of Wrought Iron Picket	18.95	
32 31 19 00-0030	LF	Removal And Replacement Of Wrought Iron Post	27.94	
32 31 19 00-0031	EA	Straighten Wrought Iron Post	79.77	

32 31 19 00-0032 Custom Wrought Iron "Mission Style" Fencing (32 31 19 00-0001)

Note: Conforming to Channel Island Campus Standards. Solid bar with factory prime. Excludes drilling for posts.

32 31 19 00-0033	LF	3' Custom Wrought Iron Fence, Mission Style	213.56	10.97
		Note: To match existing.		
		For Installation On Stairs, Add	23.55	
		For Curved Sections, Add	76.65	
		For Each Lamb Tunge End Piece, Add	29.00	
		For Installation On Balcony, Add	11.02	
32 31 19 00-0034	LF	Custom Wrought Iron Wall Mounted Handrailing, Mission Style	79.33	7.48
		Note: To match existing.		
		For Each Lamb Tunge End Piece, Add	29.00	
32 31 19 00-0035	SF	Custom Ornamental Wrought Iron, Mission Style	71.19	3.66
		Note: To match existing.		

32 31 19 00-0036 Steel Tube Fence, Powder Coated (32 31 19)

Note: Pickets are 3/4" square x 16 gauge.

32 31 19 00-0037 Steel Tube Fence, 2 Rail (32 31 19 00-0036)

Note: 6 foot long panel sections.

32 31 19 00-0038	LF	3' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	77.71	10.97
		For Verticals Up To 2" On Center, Add	11.24	
		For Verticals >2" To 2-1/2" On Center, Add	5.62	
		For Verticals >3" To 4" On Center, Deduct	-5.62	
		For Verticals >4" To 6" On Center, Deduct	-11.24	
		For Pickets Extending Above Top Rail, Add	5.85	
		For Curved Pickets Extending Above Top Rail, Add	10.33	
		For Solid Pickets, Add	15.87	
		For Aluminum With Satin Finish, Add	13.64	
		For Third Rail, Add	4.22	
		For 1" Square x 14 Gauge Pickets, Add	14.06	
		For 3" Square Posts, Add	7.03	
32 31 19 00-0039	LF	3'-6" Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	83.09	11.73
		For Verticals Up To 2" On Center, Add	11.93	
		For Verticals >2" To 2-1/2" On Center, Add	5.96	
		For Verticals >3" To 4" On Center, Deduct	-5.96	
		For Verticals >4" To 6" On Center, Deduct	-11.93	
		For Pickets Extending Above Top Rail, Add	6.24	
		For Curved Pickets Extending Above Top Rail, Add	11.00	
		For Solid Pickets, Add	16.94	
		For Aluminum With Satin Finish, Add	14.37	
		For Third Rail, Add	4.47	
		For 1" Square x 14 Gauge Pickets, Add	14.91	
		For 3" Square Posts, Add	7.46	
32 31 19 00-0040	LF	4' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	87.85	12.96
		For Verticals Up To 2" On Center, Add	12.49	
		For Verticals >2" To 2-1/2" On Center, Add	6.24	
		For Verticals >3" To 4" On Center, Deduct	-6.24	
		For Verticals >4" To 6" On Center, Deduct	-12.49	
		For Pickets Extending Above Top Rail, Add	6.58	
		For Curved Pickets Extending Above Top Rail, Add	11.58	
		For Solid Pickets, Add	17.86	
		For Aluminum With Satin Finish, Add	14.92	
		For Third Rail, Add	4.68	
		For 1" Square x 14 Gauge Pickets, Add	15.61	
		For 3" Square Posts, Add	7.81	
32 31 19 00-0041	LF	5' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	93.31	14.55
		For Verticals Up To 2" On Center, Add	12.80	
		For Verticals >2" To 2-1/2" On Center, Add	6.40	
		For Verticals >3" To 4" On Center, Deduct	-6.40	
		For Verticals >4" To 6" On Center, Deduct	-12.80	
		For Pickets Extending Above Top Rail, Add	6.91	
		For Curved Pickets Extending Above Top Rail, Add	12.12	
		For Solid Pickets, Add	18.80	
		For Aluminum With Satin Finish, Add	14.80	
		For Third Rail, Add	4.80	
		For 1" Square x 14 Gauge Pickets, Add	16.00	
		For 3" Square Posts, Add	8.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0042	LF	6'	Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	108.34	16.45
			For Verticals Up To 2" On Center, Add	15.09	
			For Verticals >2" To 2-1/2" On Center, Add	7.54	
			For Verticals >3" To 4" On Center, Deduct	-7.54	
			For Verticals >4" To 6" On Center, Deduct	-15.09	
			For Pickets Extending Above Top Rail, Add	8.06	
			For Curved Pickets Extending Above Top Rail, Add	14.16	
			For Solid Pickets, Add	21.91	
			For Aluminum With Satin Finish, Add	17.70	
			For Third Rail, Add	5.66	
			For 1" Square x 14 Gauge Pickets, Add	18.86	
			For 3" Square Posts, Add	9.43	
32 31 19 00-0043	LF	7'	Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts.....	124.27	17.94
			For Verticals Up To 2" On Center, Add	17.68	
			For Verticals >2" To 2-1/2" On Center, Add	8.84	
			For Verticals >3" To 4" On Center, Deduct	-8.84	
			For Verticals >4" To 6" On Center, Deduct	-17.68	
			For Pickets Extending Above Top Rail, Add	9.31	
			For Curved Pickets Extending Above Top Rail, Add	16.39	
			For Solid Pickets, Add	25.27	
			For Aluminum With Satin Finish, Add	21.13	
			For Third Rail, Add	6.63	
			For 1" Square x 14 Gauge Pickets, Add	22.10	
			For 4" Square Posts, Add	30.93	
32 31 19 00-0044	LF	8'	Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts.....	140.40	19.55
			For Verticals Up To 2" On Center, Add	20.26	
			For Verticals >2" To 2-1/2" On Center, Add	10.13	
			For Verticals >3" To 4" On Center, Deduct	-10.13	
			For Verticals >4" To 6" On Center, Deduct	-20.26	
			For Pickets Extending Above Top Rail, Add	10.57	
			For Curved Pickets Extending Above Top Rail, Add	18.64	
			For Solid Pickets, Add	28.66	
			For Aluminum With Satin Finish, Add	24.53	
			For Third Rail, Add	7.60	
			For 1" Square x 14 Gauge Pickets, Add	25.33	
			For 4" Square Posts, Add	35.46	
32 31 19 00-0045	LF	9'	Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts.....	163.71	20.94
			For Verticals Up To 2" On Center, Add	24.37	
			For Verticals >2" To 2-1/2" On Center, Add	12.18	
			For Verticals >3" To 4" On Center, Deduct	-12.18	
			For Verticals >4" To 6" On Center, Deduct	-24.37	
			For Pickets Extending Above Top Rail, Add	12.45	
			For Curved Pickets Extending Above Top Rail, Add	22.03	
			For Solid Pickets, Add	33.69	
			For Aluminum With Satin Finish, Add	30.27	
			For Third Rail, Add	9.14	
			For 1" Square x 14 Gauge Pickets, Add	30.46	
			For 4" Square Posts, Add	42.64	
32 31 19 00-0046	LF	10'	Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts.....	187.22	22.43
			For Verticals Up To 2" On Center, Add	28.47	
			For Verticals >2" To 2-1/2" On Center, Add	14.24	
			For Verticals >3" To 4" On Center, Deduct	-14.24	
			For Verticals >4" To 6" On Center, Deduct	-28.47	
			For Pickets Extending Above Top Rail, Add	14.34	
			For Curved Pickets Extending Above Top Rail, Add	25.43	
			For Solid Pickets, Add	38.76	
			For Aluminum With Satin Finish, Add	35.97	
			For Third Rail, Add	10.68	
			For 1" Square x 14 Gauge Pickets, Add	35.59	
			For 6" Square Posts, Add	49.82	
32 31 19 00-0047	LF	12'	Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts.....	220.91	24.93
			For Verticals Up To 2" On Center, Add	34.21	
			For Verticals >2" To 2-1/2" On Center, Add	17.11	
			For Verticals >3" To 4" On Center, Deduct	-17.11	
			For Verticals >4" To 6" On Center, Deduct	-34.21	
			For Pickets Extending Above Top Rail, Add	17.03	
			For Curved Pickets Extending Above Top Rail, Add	30.25	
			For Solid Pickets, Add	45.97	
			For Aluminum With Satin Finish, Add	43.84	
			For Third Rail, Add	12.83	
			For 1" Square x 14 Gauge Pickets, Add	42.77	
			For 6" Square Posts, Add	59.87	
32 31 19 00-0048	LF	14'	Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts.....	236.58	26.92
			For Verticals Up To 2" On Center, Add	36.55	
			For Verticals >2" To 2-1/2" On Center, Add	18.27	
			For Verticals >3" To 4" On Center, Deduct	-18.27	
			For Verticals >4" To 6" On Center, Deduct	-36.55	
			For Pickets Extending Above Top Rail, Add	18.22	
			For Curved Pickets Extending Above Top Rail, Add	32.36	
			For Solid Pickets, Add	49.19	
			For Aluminum With Satin Finish, Add	46.75	
			For Third Rail, Add	13.71	
			For 1" Square x 14 Gauge Pickets, Add	45.69	
			For 6" Square Posts, Add	63.96	

32 31 19 00-0049 Steel Tube Swing Gates (32 31 19 00-0036)

32 31 19 00-0050 3' Fence Height Steel Tube Swing Gates, 2 Rail (32 31 19 00-0049)

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 31 19 00-0051	EA	3' Wide x 3' High Steel Tube Single Swing Gate	721.81	21.24
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	157.62	
		For Aluminum With Satin Finish, Add	187.83	
		For Third Rail, Add	49.35	
		For 1" Square x 14 Gauge Pickets, Add	65.80	
32 31 19 00-0052	EA	3'-6" Wide x 3' High Steel Tube Single Swing Gate	803.26	22.24
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	175.72	
		For Aluminum With Satin Finish, Add	210.92	
		For Third Rail, Add	55.23	
		For 1" Square x 14 Gauge Pickets, Add	73.65	
32 31 19 00-0053	EA	4' Wide x 3' High Steel Tube Single Swing Gate	889.28	23.53
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	194.78	
		For Aluminum With Satin Finish, Add	234.93	
		For Third Rail, Add	61.39	
		For 1" Square x 14 Gauge Pickets, Add	81.85	
32 31 19 00-0054	EA	5' Wide x 3' High Steel Tube Single Swing Gate	935.27	25.22
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	204.75	
		For Aluminum With Satin Finish, Add	246.48	
		For Third Rail, Add	64.46	
		For 1" Square x 14 Gauge Pickets, Add	85.95	
32 31 19 00-0055	EA	6' Wide x 3' High Steel Tube Single Swing Gate	1,044.73	30.21
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	228.26	
		For Aluminum With Satin Finish, Add	272.60	
		For Third Rail, Add	71.55	
		For 1" Square x 14 Gauge Pickets, Add	95.40	
32 31 19 00-0056	EA	7' Wide x 3' High Steel Tube Single Swing Gate	1,111.41	35.20
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	242.14	
		For Aluminum With Satin Finish, Add	285.86	
		For Third Rail, Add	75.43	
		For 1" Square x 14 Gauge Pickets, Add	100.57	
32 31 19 00-0057	EA	8' Wide x 3' High Steel Tube Single Swing Gate	1,212.96	40.48
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	263.79	
		For Aluminum With Satin Finish, Add	309.15	
		For Third Rail, Add	81.85	
		For 1" Square x 14 Gauge Pickets, Add	109.13	
32 31 19 00-0058	EA	9' Wide x 3' High Steel Tube Single Swing Gate	1,301.02	45.47
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	282.49	
		For Aluminum With Satin Finish, Add	328.84	
		For Third Rail, Add	87.33	
		For 1" Square x 14 Gauge Pickets, Add	116.44	
32 31 19 00-0059	EA	10' Wide x 3' High Steel Tube Single Swing Gate	1,378.38	50.45
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	298.77	
		For Aluminum With Satin Finish, Add	345.32	
		For Third Rail, Add	92.01	
		For 1" Square x 14 Gauge Pickets, Add	122.68	
32 31 19 00-0060	EA	6' Wide x 3' High Steel Tube Double Swing Gate	1,509.41	42.47
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	330.05	
		For Aluminum With Satin Finish, Add	395.40	
		For Third Rail, Add	103.64	
		For 1" Square x 14 Gauge Pickets, Add	138.18	
32 31 19 00-0061	EA	7' Wide x 3' High Steel Tube Double Swing Gate	1,608.31	44.47
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	351.85	
		For Aluminum With Satin Finish, Add	422.37	
		For Third Rail, Add	110.60	
		For 1" Square x 14 Gauge Pickets, Add	147.47	
32 31 19 00-0062	EA	8' Wide x 3' High Steel Tube Double Swing Gate	1,778.56	47.16
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	389.56	
		For Aluminum With Satin Finish, Add	469.86	
		For Third Rail, Add	122.77	
		For 1" Square x 14 Gauge Pickets, Add	163.70	
32 31 19 00-0063	EA	9' Wide x 3' High Steel Tube Double Swing Gate	1,863.78	48.85
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	408.36	
		For Aluminum With Satin Finish, Add	493.18	
		For Third Rail, Add	128.79	
		For 1" Square x 14 Gauge Pickets, Add	171.72	
32 31 19 00-0064	EA	10' Wide x 3' High Steel Tube Double Swing Gate	1,932.96	50.45
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	423.55	
		For Aluminum With Satin Finish, Add	511.70	
		For Third Rail, Add	133.61	
		For 1" Square x 14 Gauge Pickets, Add	178.14	
32 31 19 00-0065	EA	12' Wide x 3' High Steel Tube Double Swing Gate	2,175.08	60.42
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	475.78	
		For Aluminum With Satin Finish, Add	570.87	
		For Third Rail, Add	149.52	
		For 1" Square x 14 Gauge Pickets, Add	199.36	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0066	EA		14' Wide x 3' High Steel Tube Double Swing Gate.....	2,383.31	70.39
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	520.39	
			For Aluminum With Satin Finish, Add	619.88	
			For Third Rail, Add	162.90	
			For 1" Square x 14 Gauge Pickets, Add	217.19	
32 31 19 00-0067	EA		16' Wide x 3' High Steel Tube Double Swing Gate.....	2,557.86	81.06
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	557.27	
			For Aluminum With Satin Finish, Add	657.89	
			For Third Rail, Add	173.59	
			For 1" Square x 14 Gauge Pickets, Add	231.46	
32 31 19 00-0068	EA		18' Wide x 3' High Steel Tube Double Swing Gate.....	2,703.68	90.92
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	587.84	
			For Aluminum With Satin Finish, Add	688.17	
			For Third Rail, Add	182.29	
			For 1" Square x 14 Gauge Pickets, Add	243.05	
32 31 19 00-0069	EA		20' Wide x 3' High Steel Tube Double Swing Gate.....	2,822.76	100.90
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	612.39	
			For Aluminum With Satin Finish, Add	710.43	
			For Third Rail, Add	188.97	
			For 1" Square x 14 Gauge Pickets, Add	251.97	
32 31 19 00-0070 4' Fence Height Steel Tube Swing Gates, 2 Rail (32 31 19 00-0049)					
32 31 19 00-0071	EA		3' Wide x 4' High Steel Tube Single Swing Gate	834.08	19.94
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	182.62	
			For Aluminum With Satin Finish, Add	219.94	
			For Third Rail, Add	57.51	
			For 1" Square x 14 Gauge Pickets, Add	76.68	
32 31 19 00-0072	EA		3'-6" Wide x 4' High Steel Tube Single Swing Gate.....	902.54	23.23
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	197.84	
			For Aluminum With Satin Finish, Add	239.36	
			For Third Rail, Add	62.46	
			For 1" Square x 14 Gauge Pickets, Add	83.28	
32 31 19 00-0073	EA		4' Wide x 4' High Steel Tube Single Swing Gate	973.51	24.93
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	213.43	
			For Aluminum With Satin Finish, Add	258.40	
			For Third Rail, Add	67.40	
			For 1" Square x 14 Gauge Pickets, Add	89.87	
32 31 19 00-0074	EA		5' Wide x 4' High Steel Tube Single Swing Gate	1,032.00	26.52
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	226.22	
			For Aluminum With Satin Finish, Add	273.70	
			For Third Rail, Add	71.42	
			For 1" Square x 14 Gauge Pickets, Add	95.22	
32 31 19 00-0075	EA		6' Wide x 4' High Steel Tube Single Swing Gate	1,112.14	31.91
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	243.05	
			For Aluminum With Satin Finish, Add	290.57	
			For Third Rail, Add	76.23	
			For 1" Square x 14 Gauge Pickets, Add	101.64	
32 31 19 00-0076	EA		7' Wide x 4' High Steel Tube Single Swing Gate	1,220.81	37.19
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	266.31	
			For Aluminum With Satin Finish, Add	316.00	
			For Third Rail, Add	83.19	
			For 1" Square x 14 Gauge Pickets, Add	110.92	
32 31 19 00-0077	EA		8' Wide x 4' High Steel Tube Single Swing Gate	1,370.50	42.47
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	298.79	
			For Aluminum With Satin Finish, Add	353.73	
			For Third Rail, Add	93.22	
			For 1" Square x 14 Gauge Pickets, Add	124.29	
32 31 19 00-0078	EA		9' Wide x 4' High Steel Tube Single Swing Gate	1,516.63	47.86
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	330.47	
			For Aluminum With Satin Finish, Add	390.38	
			For Third Rail, Add	102.98	
			For 1" Square x 14 Gauge Pickets, Add	137.31	
32 31 19 00-0079	EA		10' Wide x 4' High Steel Tube Single Swing Gate	1,655.62	53.14
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	360.55	
			For Aluminum With Satin Finish, Add	424.90	
			For Third Rail, Add	112.21	
			For 1" Square x 14 Gauge Pickets, Add	149.61	
32 31 19 00-0080	EA		6' Wide x 4' High Steel Tube Double Swing Gate.....	1,668.15	44.87
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	365.24	
			For Aluminum With Satin Finish, Add	439.88	
			For Third Rail, Add	115.02	
			For 1" Square x 14 Gauge Pickets, Add	153.36	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
32 31 19 00-0081	EA 7' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	1,805.09 395.68 478.72 124.91 166.55		46.46
32 31 19 00-0082	EA 8' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	1,947.02 426.86 516.81 134.81 179.75		49.85
32 31 19 00-0083	EA 9' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	2,059.00 451.68 548.16 142.83 190.45		51.44
32 31 19 00-0084	EA 10' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	2,153.14 472.49 574.16 149.52 199.36		53.14
32 31 19 00-0085	EA 12' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	2,443.61 535.46 646.94 168.91 225.22		63.71
32 31 19 00-0086	EA 14' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	2,698.41 590.39 709.02 185.63 247.51		74.38
32 31 19 00-0087	EA 16' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	2,919.34 637.71 760.94 199.81 266.41		84.95
32 31 19 00-0088	EA 18' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	3,109.96 678.20 803.77 211.71 282.28		95.62
32 31 19 00-0089	EA 20' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	3,272.02 712.28 838.04 221.47 295.30		106.29
32 31 19 00-0090	5' Fence Height Steel Tube Swing Gates, 2 Rail (32 31 19 00-0049)			
32 31 19 00-0091	EA 3' Wide x 5' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	907.89 199.04 240.96 62.86 83.81		23.23
32 31 19 00-0092	EA 3'-6" Wide x 5' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	957.46 209.82 253.59 66.20 88.27		24.93
32 31 19 00-0093	EA 4' Wide x 5' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	1,005.25 220.20 265.68 69.41 92.55		26.52
32 31 19 00-0094	EA 5' Wide x 5' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	1,074.43 235.39 284.19 74.23 98.97		28.21
32 31 19 00-0095	EA 6' Wide x 5' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	1,168.04 255.18 304.65 79.98 106.64		33.90

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0096	EA		7' Wide x 5' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	1,292.00 281.80 334.21 88.00 117.34	39.48
32 31 19 00-0097	EA		8' Wide x 5' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	1,465.07 319.40 378.06 99.64 132.85	45.47
32 31 19 00-0098	EA		9' Wide x 5' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	1,633.60 356.04 420.99 111.00 148.01	51.15
32 31 19 00-0099	EA		10' Wide x 5' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	1,798.55 391.89 462.84 122.10 162.81	56.73
32 31 19 00-0100	EA		6' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	1,788.07 393.93 486.08 125.72 167.62	39.18
32 31 19 00-0101	EA		7' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	1,894.09 416.38 509.50 132.27 176.36	45.67
32 31 19 00-0102	EA		8' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	2,001.21 439.00 532.75 138.82 185.10	52.54
32 31 19 00-0103	EA		9' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	2,148.25 470.69 568.47 148.45 197.94	59.12
32 31 19 00-0104	EA		10' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	2,277.45 498.36 598.84 156.74 208.99	65.60
32 31 19 00-0105	EA		12' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	2,592.52 567.69 683.99 178.81 238.41	72.98
32 31 19 00-0106	EA		14' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	2,875.90 629.72 758.64 198.34 264.45	80.96
32 31 19 00-0107	EA		16' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	3,129.37 684.86 823.33 215.46 287.27	89.83
32 31 19 00-0108	EA		18' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	3,357.59 734.07 878.96 230.43 307.25	99.80
32 31 19 00-0109	EA		20' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	3,560.59 777.36 925.55 243.27 324.36	110.97

32 31 19 00-0110 6' Fence Height Steel Tube Swing Gates, 2 Rail (32 31 19 00-0049)

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 31 19 00-0111	EA	3' Wide x 6' High Steel Tube Single Swing Gate	945.19	25.52
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	206.91	
		For Aluminum With Satin Finish, Add	249.01	
		For Third Rail, Add	65.13	
		For 1" Square x 14 Gauge Pickets, Add	86.84	
32 31 19 00-0112	EA	3'-6" Wide x 6' High Steel Tube Single Swing Gate	993.76	26.92
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	217.54	
		For Aluminum With Satin Finish, Add	261.79	
		For Third Rail, Add	68.48	
		For 1" Square x 14 Gauge Pickets, Add	91.30	
32 31 19 00-0113	EA	4' Wide x 6' High Steel Tube Single Swing Gate	1,043.04	28.41
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	228.27	
		For Aluminum With Satin Finish, Add	274.46	
		For Third Rail, Add	71.82	
		For 1" Square x 14 Gauge Pickets, Add	95.76	
32 31 19 00-0114	EA	5' Wide x 6' High Steel Tube Single Swing Gate	1,103.60	30.21
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	241.50	
		For Aluminum With Satin Finish, Add	290.25	
		For Third Rail, Add	75.96	
		For 1" Square x 14 Gauge Pickets, Add	101.29	
32 31 19 00-0115	EA	6' Wide x 6' High Steel Tube Single Swing Gate	1,238.44	36.49
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	270.42	
		For Aluminum With Satin Finish, Add	322.18	
		For Third Rail, Add	84.66	
		For 1" Square x 14 Gauge Pickets, Add	112.88	
32 31 19 00-0116	EA	7' Wide x 6' High Steel Tube Single Swing Gate	1,382.19	42.88
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	301.35	
		For Aluminum With Satin Finish, Add	356.79	
		For Third Rail, Add	94.02	
		For 1" Square x 14 Gauge Pickets, Add	125.36	
32 31 19 00-0117	EA	8' Wide x 6' High Steel Tube Single Swing Gate	1,542.81	48.85
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	336.14	
		For Aluminum With Satin Finish, Add	396.89	
		For Third Rail, Add	104.72	
		For 1" Square x 14 Gauge Pickets, Add	139.63	
32 31 19 00-0118	EA	9' Wide x 6' High Steel Tube Single Swing Gate	1,697.28	55.14
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	369.47	
		For Aluminum With Satin Finish, Add	434.70	
		For Third Rail, Add	114.88	
		For 1" Square x 14 Gauge Pickets, Add	153.18	
32 31 19 00-0119	EA	10' Wide x 6' High Steel Tube Single Swing Gate	1,885.61	61.42
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	410.43	
		For Aluminum With Satin Finish, Add	482.69	
		For Third Rail, Add	127.59	
		For 1" Square x 14 Gauge Pickets, Add	170.12	
32 31 19 00-0120	EA	6' Wide x 6' High Steel Tube Double Swing Gate	1,857.48	42.27
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	408.89	
		For Aluminum With Satin Finish, Add	502.96	
		For Third Rail, Add	130.26	
		For 1" Square x 14 Gauge Pickets, Add	173.68	
32 31 19 00-0121	EA	7' Wide x 6' High Steel Tube Double Swing Gate	1,967.48	49.55
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	432.07	
		For Aluminum With Satin Finish, Add	526.58	
		For Third Rail, Add	136.95	
		For 1" Square x 14 Gauge Pickets, Add	182.60	
32 31 19 00-0122	EA	8' Wide x 6' High Steel Tube Double Swing Gate	2,076.38	56.44
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	455.09	
		For Aluminum With Satin Finish, Add	550.37	
		For Third Rail, Add	143.64	
		For 1" Square x 14 Gauge Pickets, Add	191.52	
32 31 19 00-0123	EA	9' Wide x 6' High Steel Tube Double Swing Gate	2,207.78	63.71
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	483.10	
		For Aluminum With Satin Finish, Add	580.41	
		For Third Rail, Add	151.93	
		For 1" Square x 14 Gauge Pickets, Add	202.57	
32 31 19 00-0124	EA	10' Wide x 6' High Steel Tube Double Swing Gate	2,414.07	70.99
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	527.95	
		For Aluminum With Satin Finish, Add	632.92	
		For Third Rail, Add	165.84	
		For 1" Square x 14 Gauge Pickets, Add	221.12	
32 31 19 00-0125	EA	12' Wide x 6' High Steel Tube Double Swing Gate	2,831.19	79.06
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	620.07	
		For Aluminum With Satin Finish, Add	747.69	
		For Third Rail, Add	195.39	
		For 1" Square x 14 Gauge Pickets, Add	260.53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0126	EA		14' Wide x 6' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	2,964.50 648.09 775.84 203.42 271.23	88.33
32 31 19 00-0127	EA		16' Wide x 6' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	3,255.14 711.35 850.20 223.08 297.44	98.31
32 31 19 00-0128	EA		18' Wide x 6' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	3,522.33 769.08 916.04 240.73 320.98	109.37
32 31 19 00-0129	EA		20' Wide x 6' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	3,770.72 822.26 974.27 256.65 342.20	122.04
32 31 19 00-0130 7' Fence Height Steel Tube Swing Gates, 2 Rail (32 31 19 00-0049)					
32 31 19 00-0131	EA		3' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	1,001.40 219.09 263.05 68.88 91.84	27.61
32 31 19 00-0132	EA		3'-6" Wide x 7' High Steel Tube Single Swing Gate..... Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	1,052.15 230.18 276.30 72.35 96.47	29.11
32 31 19 00-0133	EA		4' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	1,103.11 241.30 289.52 75.83 101.11	30.61
32 31 19 00-0134	EA		5' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	1,154.15 252.43 302.73 79.31 105.74	32.21
32 31 19 00-0135	EA		6' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	1,335.58 291.68 347.73 91.34 121.79	39.18
32 31 19 00-0136	EA		7' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	1,501.73 327.57 388.61 102.31 136.42	45.87
32 31 19 00-0137	EA		8' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	1,622.54 353.18 415.42 109.80 146.40	52.74
32 31 19 00-0138	EA		9' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	1,760.17 382.65 447.74 118.63 158.17	59.42
32 31 19 00-0139	EA		10' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	1,929.10 419.09 489.00 129.73 172.97	66.40
32 31 19 00-0140	EA		6' Wide x 7' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	1,966.12 432.67 531.60 137.75 183.67	45.27

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
32 31 19 00-0141	EA 7' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,080.76		52.94
	For Solid Pickets, Add	456.82		
	For Aluminum With Satin Finish, Add	556.13		
	For Third Rail, Add	144.71		
	For 1" Square x 14 Gauge Pickets, Add	192.94		
32 31 19 00-0142	EA 8' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,196.53		61.02
	For Solid Pickets, Add	481.14		
	For Aluminum With Satin Finish, Add	580.49		
	For Third Rail, Add	151.66		
	For 1" Square x 14 Gauge Pickets, Add	202.22		
32 31 19 00-0143	EA 9' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,312.97		68.70
	For Solid Pickets, Add	505.70		
	For Aluminum With Satin Finish, Add	605.55		
	For Third Rail, Add	158.75		
	For 1" Square x 14 Gauge Pickets, Add	211.67		
32 31 19 00-0144	EA 10' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,605.26		76.77
	For Solid Pickets, Add	569.73		
	For Aluminum With Satin Finish, Add	682.88		
	For Third Rail, Add	178.94		
	For 1" Square x 14 Gauge Pickets, Add	238.59		
32 31 19 00-0145	EA 12' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,149.40		85.64
	For Solid Pickets, Add	690.27		
	For Aluminum With Satin Finish, Add	834.76		
	For Third Rail, Add	217.86		
	For 1" Square x 14 Gauge Pickets, Add	290.48		
32 31 19 00-0146	EA 14' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,114.83		96.01
	For Solid Pickets, Add	680.27		
	For Aluminum With Satin Finish, Add	811.06		
	For Third Rail, Add	213.05		
	For 1" Square x 14 Gauge Pickets, Add	284.06		
32 31 19 00-0147	EA 16' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,374.87		107.08
	For Solid Pickets, Add	736.40		
	For Aluminum With Satin Finish, Add	874.77		
	For Third Rail, Add	230.17		
	For 1" Square x 14 Gauge Pickets, Add	306.89		
32 31 19 00-0148	EA 18' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,685.68		119.74
	For Solid Pickets, Add	803.61		
	For Aluminum With Satin Finish, Add	951.72		
	For Third Rail, Add	250.76		
	For 1" Square x 14 Gauge Pickets, Add	334.35		
32 31 19 00-0149	EA 20' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,891.00		133.60
	For Solid Pickets, Add	846.85		
	For Aluminum With Satin Finish, Add	995.55		
	For Third Rail, Add	263.20		
	For 1" Square x 14 Gauge Pickets, Add	350.93		
32 31 19 00-0150 8' Fence Height Steel Tube Swing Gates, 2 Rail (32 31 19 00-0049)				
32 31 19 00-0151	EA 3' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,088.32		29.91
	For Solid Pickets, Add	238.14		
	For Aluminum With Satin Finish, Add	286.12		
	For Third Rail, Add	74.89		
	For 1" Square x 14 Gauge Pickets, Add	99.86		
32 31 19 00-0152	EA 3'-6" Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,141.46		31.51
	For Solid Pickets, Add	249.72		
	For Aluminum With Satin Finish, Add	299.81		
	For Third Rail, Add	78.51		
	For 1" Square x 14 Gauge Pickets, Add	104.67		
32 31 19 00-0153	EA 4' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,198.15		33.20
	For Solid Pickets, Add	262.11		
	For Aluminum With Satin Finish, Add	314.58		
	For Third Rail, Add	82.38		
	For 1" Square x 14 Gauge Pickets, Add	109.85		
32 31 19 00-0154	EA 5' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,248.85		36.99
	For Solid Pickets, Add	272.65		
	For Aluminum With Satin Finish, Add	324.63		
	For Third Rail, Add	85.33		
	For 1" Square x 14 Gauge Pickets, Add	113.77		
32 31 19 00-0155	EA 6' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,477.29		41.87
	For Solid Pickets, Add	322.97		
	For Aluminum With Satin Finish, Add	386.66		
	For Third Rail, Add	101.38		
	For 1" Square x 14 Gauge Pickets, Add	135.17		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0156	EA		7' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	1,644.08 358.55 425.03 111.94 149.25	50.45
32 31 19 00-0157	EA		8' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	1,717.16 373.13 435.73 115.55 154.07	58.73
32 31 19 00-0158	EA		9' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	1,841.16 399.08 461.27 122.91 163.88	67.40
32 31 19 00-0159	EA		10' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	1,949.10 421.42 481.99 129.06 172.08	76.07
32 31 19 00-0160	EA		6' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	2,137.15 470.50 578.96 149.92 199.90	48.36
32 31 19 00-0161	EA		7' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	2,265.54 497.24 604.64 157.41 209.88	58.33
32 31 19 00-0162	EA		8' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	2,391.02 523.42 629.95 164.77 219.69	67.90
32 31 19 00-0163	EA		9' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	2,496.21 544.95 648.68 170.52 227.36	77.96
32 31 19 00-0164	EA		10' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	2,900.99 633.89 757.28 198.74 264.98	87.94
32 31 19 00-0165	EA		12' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	3,615.75 792.32 957.40 249.96 333.28	99.00
32 31 19 00-0166	EA		14' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	3,306.00 719.91 848.19 224.01 298.69	111.66
32 31 19 00-0167	EA		16' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	3,540.28 769.50 899.71 238.46 317.95	126.32
32 31 19 00-0168	EA		18' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	3,901.95 847.42 987.49 262.13 349.51	142.38
32 31 19 00-0169	EA		20' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	3,982.03 861.57 988.32 264.27 352.36	160.42
32 31 19 00-0170			Replace Steel Tube Fence Pickets (32 31 19 00-0036)		
32 31 19 00-0171	LF		Removal And Replacement Of 3/4" Square x 16 Gauge Steel Tube Fence Picket For 1" Square x 14 Gauge Pickets, Add	29.54 0.96	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 31 19 00-0172	Removal And Reinstallation Of Ornamental Fences (32 31 19)	
	Note: Including storage and cleaning. Excludes augering and concrete.	
32 31 19 00-0173	LF Removal And Reinstallation Of Ornamental Fence Up To 5' Height.....	44.87
32 31 19 00-0174	LF Removal And Reinstallation Of Ornamental Fence, 6' Height	49.35
32 31 19 00-0175	LF Removal And Reinstallation Of Ornamental Fence, 7' Height	53.84
32 31 19 00-0176	LF Removal And Reinstallation Of Ornamental Fence, 8' Height	58.33
32 31 19 00-0177	LF Removal And Reinstallation Of Ornamental Fence, 9' Height	62.81
32 31 19 00-0178	LF Removal And Reinstallation Of Ornamental Fence, 10' Height	67.30
32 31 19 00-0179	LF Removal And Reinstallation Of Ornamental Fence 12' Height	74.78
32 31 23	Plastic Fences and Gates (32 31)	
32 31 23 00-0001	Vinyl Fence (32 31 23)	
32 31 23 00-0002	Privacy Tongue And Groove Vinyl Fence (32 31 23 00-0001)	
	Note: With 1-1/2" x 5-1/2" top and bottom rails, 5" x 5" posts installed 7' centers. Post includes flat cap.	
32 31 23 00-0003	LF 3' High Privacy Tongue And Groove Vinyl Fence	59.92 6.42
32 31 23 00-0004	LF 4' High Privacy Tongue And Groove Vinyl Fence	67.16 7.71
32 31 23 00-0005	LF 5' High Privacy Tongue And Groove Vinyl Fence	75.01 8.98
32 31 23 00-0006	LF 6' High Privacy Tongue And Groove Vinyl Fence	82.69 10.27
32 31 23 00-0007	Semi-Privacy 6" Picket Vinyl Fence (32 31 23 00-0001)	
	Note: With 1-1/2" x 5-1/2" top and bottom rails, 2" x 3-1/2" mid rail, 5" x 5" posts installed 6' centers. Post includes flat cap.	
32 31 23 00-0008	LF 5' High Semi-Privacy 6" Picket Vinyl Fence	80.32 8.98
32 31 23 00-0009	LF 6' High Semi-Privacy 6" Picket Vinyl Fence	88.05 10.27
32 31 23 00-0010	Picket Straight Top Vinyl Fence (32 31 23 00-0001)	
	Note: With 2-1/2" x 3-1/2" top rail, 1-1/2" x 5-1/2" bottom rail, 1-3/8" x 1-3/8" or 1" x 3" pickets, 5" x 5" posts installed 6' centers. Post includes flat cap.	
32 31 23 00-0011	LF 3' High Picket Straight Top Vinyl Fence	55.24 6.42
32 31 23 00-0012	LF 4' High Picket Straight Top Vinyl Fence	62.73 7.71
32 31 23 00-0013	LF 5' High Picket Straight Top Vinyl Fence	71.91 8.98
32 31 23 00-0014	LF 6' High Picket Straight Top Vinyl Fence	79.65 10.27
32 31 23 00-0015	Picket Scalloped Top Vinyl Fence (32 31 23 00-0001)	
	Note: With 2-1/2" x 3-1/2" top rail, 1-1/2" x 5-1/2" bottom rail, 1-3/8" x 1-3/8" or 1" x 3" pickets, 5" x 5" posts installed 6' centers. Post includes flat cap.	
32 31 23 00-0016	LF 3' High Picket Scalloped Top Vinyl Fence	61.26 6.42
32 31 23 00-0017	LF 4' High Picket Scalloped Top Vinyl Fence	68.93 7.71
32 31 23 00-0018	LF 5' High Picket Scalloped Top Vinyl Fence	77.71 8.98
32 31 23 00-0019	LF 6' High Picket Scalloped Top Vinyl Fence	85.63 10.27
32 31 23 00-0020	Post And Rail Vinyl Fence, Ranch Style (32 31 23 00-0001)	
	Note: With 1-1/2" x 5-1/2" rails, 5" x 5" posts installed 8' centers. Post includes flat cap.	
32 31 23 00-0021	LF 5' High, 2 Rail, Post And Rail Vinyl Fence	22.36 6.42
32 31 23 00-0022	LF 6-1/2' High, 3 Rail, Post And Rail Vinyl Fence	28.70 7.71
32 31 23 00-0023	LF 7' High, 4 Rail, Post And Rail Vinyl Fence	33.06 8.35
32 31 23 00-0024	Post, Rails And Pickets (Traditional Style) Vinyl Fence (32 31 23 00-0001)	
	Note: With top and bottom 3" x 3" rails, 5" x 5" posts and 1-1/2" x 1-1/2" pickets. Post includes flat cap.	
32 31 23 00-0025	LF 3' High Rail And Picket Vinyl Fence, 72" On Center Posts	71.74 7.06
32 31 23 00-0026	LF 4' High Rail And Picket Vinyl Fence, 72" On Center Posts	78.37 8.35
32 31 23 00-0027	LF 3' High Rail And Picket Vinyl Fence, 96" On Center Posts	67.67 6.42
32 31 23 00-0028	LF 4' High Rail And Picket Vinyl Fence, 96" On Center Posts	73.61 7.71
32 31 23 00-0029	Vinyl Gates (32 31 23)	
32 31 23 00-0030	Gates For Privacy And Semi-Privacy Fences (32 31 23 00-0029)	
	Note: Includes hinges.	
32 31 23 00-0031	3' High Gates For Privacy And Semi-Privacy Fences (32 31 23 00-0030)	
32 31 23 00-0032	EA 3' High x 3' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	663.09 64.19
	For Self-Closing Hinge Set, Add	14.50
	For Self-Closing Stainless Steel Hinge Set, Add	38.50
32 31 23 00-0033	EA 3' High x 4' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	703.61 67.40
	For Self-Closing Hinge Set, Add	14.50
	For Self-Closing Stainless Steel Hinge Set, Add	38.50
32 31 23 00-0034	EA 3' High x 5' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	772.02 70.61
	For Self-Closing Hinge Set, Add	14.50
	For Self-Closing Stainless Steel Hinge Set, Add	38.50
32 31 23 00-0035	EA 3' High x 6' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	865.22 73.82
	For Self-Closing Hinge Set, Add	14.50
	For Self-Closing Stainless Steel Hinge Set, Add	38.50
32 31 23 00-0036	4' High Gates For Privacy And Semi-Privacy Fences (32 31 23 00-0030)	
32 31 23 00-0037	EA 4' High x 3' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	703.61 67.40
	For Self-Closing Hinge Set, Add	14.50
	For Self-Closing Stainless Steel Hinge Set, Add	38.50

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 23 00-0038	EA		4' High x 4' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	728.62	70.61
			For Self-Closing Hinge Set, Add	14.50	
			For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0039	EA		4' High x 5' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	809.43	73.82
			For Self-Closing Hinge Set, Add	14.50	
			For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0040	EA		4' High x 6' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	949.13	77.03
			For Self-Closing Hinge Set, Add	14.50	
			For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0041 5' High Gates For Privacy And Semi-Privacy Fences (32 31 23 00-0030)					
32 31 23 00-0042	EA		5' High x 3' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	728.62	70.61
			For Self-Closing Hinge Set, Add	14.50	
			For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0043	EA		5' High x 4' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	759.83	73.82
			For Self-Closing Hinge Set, Add	14.50	
			For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0044	EA		5' High x 5' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	871.64	77.03
			For Self-Closing Hinge Set, Add	14.50	
			For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0045	EA		5' High x 6' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	1,017.55	80.24
			For Self-Closing Hinge Set, Add	14.50	
			For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0046 6' High Gates For Privacy And Semi-Privacy Fences (32 31 23 00-0030)					
32 31 23 00-0047	EA		6' High x 3' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	766.25	77.03
			For Self-Closing Hinge Set, Add	14.50	
			For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0048	EA		6' High x 4' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	797.47	80.24
			For Self-Closing Hinge Set, Add	14.50	
			For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0049	EA		6' High x 5' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	961.97	83.45
			For Self-Closing Hinge Set, Add	14.50	
			For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0050	EA		6' High x 6' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	1,061.38	83.45
			For Self-Closing Hinge Set, Add	14.50	
			For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0051 Gates For Picket Fences (32 31 23 00-0029)					
Note: Includes hinges.					
32 31 23 00-0052 3' High Gates For Picket Fences (32 31 23 00-0051)					
32 31 23 00-0053	EA		3' High x 3' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	635.19	64.19
			For Self-Closing Hinge Set, Add	14.50	
			For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0054	EA		3' High x 4' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	660.21	67.40
			For Self-Closing Hinge Set, Add	14.50	
			For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0055	EA		3' High x 5' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	741.02	70.61
			For Self-Closing Hinge Set, Add	14.50	
			For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0056	EA		3' High x 6' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	880.72	73.82
			For Self-Closing Hinge Set, Add	14.50	
			For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0057 4' High Gates For Picket Fences (32 31 23 00-0051)					
32 31 23 00-0058	EA		4' High x 3' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	641.61	67.40
			For Self-Closing Hinge Set, Add	14.50	
			For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0059	EA		4' High x 4' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	666.63	70.61
			For Self-Closing Hinge Set, Add	14.50	
			For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0060	EA		4' High x 5' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	747.43	73.82
			For Self-Closing Hinge Set, Add	14.50	
			For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0061	EA		4' High x 6' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	887.14	77.03
			For Self-Closing Hinge Set, Add	14.50	
			For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0062 5' High Gates For Picket Fences (32 31 23 00-0051)					
32 31 23 00-0063	EA		5' High x 3' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	666.63	70.61
			For Self-Closing Hinge Set, Add	14.50	
			For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0064	EA		5' High x 4' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	697.84	73.82
			For Self-Closing Hinge Set, Add	14.50	
			For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0065	EA		5' High x 5' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	809.65	77.03
			For Self-Closing Hinge Set, Add	14.50	
			For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0066	EA		5' High x 6' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	955.55	80.24
			For Self-Closing Hinge Set, Add	14.50	
			For Self-Closing Stainless Steel Hinge Set, Add	38.50	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 31 23 00-0067		6' High Gates For Picket Fences (32 31 23 00-0051)		
32 31 23 00-0068	EA	6' High x 3' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	704.26	77.03
		For Self-Closing Hinge Set, Add	14.50	
		For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0069	EA	6' High x 4' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	735.47	80.24
		For Self-Closing Hinge Set, Add	14.50	
		For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0070	EA	6' High x 5' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	899.98	83.45
		For Self-Closing Hinge Set, Add	14.50	
		For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0071	EA	6' High x 6' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	999.39	86.66
		For Self-Closing Hinge Set, Add	14.50	
		For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0072		Gates Accessories (32 31 23 00-0029)		
32 31 23 00-0073	EA	Gate Stop/Drop Rod	143.67	
32 31 23 00-0074	EA	Latch Set.....	98.72	
32 31 23 00-0075	EA	Stainless Steel Latch Set.....	143.67	
32 31 26		Wire Fences and Gates (32 31)		
32 31 26 13		Wire Fences with Steel Posts (32 31 26)		
32 31 26 13-0001		Chicken Wire (32 31 26 13)		
		Note: Posts at 4'.		
32 31 26 13-0002	LF	4' High, 1" Mesh, Chicken Wire Fence, Metal Posts At 4'.....	8.61	1.81
32 31 26 13-0003	LF	6' High, 2" Mesh, Chicken Wire Fence, Metal Posts At 4'.....	9.38	1.81
32 31 26 13-0004		Wire And Screen (32 31 26 13)		
32 31 26 13-0005		Wire And Screen For Partitions And Fences (32 31 26 13-0004)		
		Note: Excludes framing and post.		
32 31 26 13-0006		Screen Wire (32 31 26 13-0005)		
32 31 26 13-0007	LF	Screen Wire, 48" Wide Rolls.....	15.28	1.29
32 31 26 13-0008		Hog Wire (32 31 26 13-0005)		
32 31 26 13-0009	SF	4" x 4" Hog Wire For Fencing	2.66	1.03
32 31 26 13-0010	SF	6" x 6" Hog Wire For Fencing	2.78	1.17
32 31 26 13-0011		Non-Climb Horse Fence (32 31 26 13-0005)		
32 31 26 13-0012	LF	4' Non-Climb Woven, 12.5 Gauge, Horse Fence	11.90	4.14
32 31 26 13-0013	LF	5' Non-Climb Woven, 12.5 Gauge, Horse Fence	15.28	5.17
32 31 26 13-0014	LF	6' Non-Climb Woven, 12.5 Gauge, Horse Fence	19.17	6.21
32 31 26 13-0015		Screen For Partitions And Ceilings (32 31 26 13-0004)		
		Note: Can be used to support insulation on walls and ceilings.		
32 31 26 13-0016	SF	1" Mesh Chicken Wire	2.59	0.73
32 31 26 13-0017		Wicket Fence (32 31 26 13)		
32 31 26 13-0018	LF	Steel Wicket Fence, Painted.....	92.27	5.29
32 31 29		Wood Fences and Gates (32 31)		
		See CSI section 32 31 13 13-0001 for drilling for augering holes and backfill.		
32 31 29 00-0001		Basket Weave (32 31 29)		
		Note: 3/8" x 4" boards, 4" x 4" post		
32 31 29 00-0002	LF	6' High #1 Cedar Basket Weave Fence 3/8" x 4" Boards, 4" x 4" Post	44.87	3.60
		For Fastening With Screws Instead Of Nails, Add	2.62	
32 31 29 00-0003	LF	6' High, Pressure Treated Pine Basket Weave 3/8" x 4" Boards, 4" x 4" Post.....	29.35	3.60
		For Fastening With Screws Instead Of Nails, Add	1.87	
32 31 29 00-0004		Board Fence (32 31 29)		
		Note: 1x4" board, 2x4" rail, 4x4" post.		
32 31 29 00-0005	LF	Two 2" x 4" Rails, 3' High 1" x 4" Boards, Preservative Treated Board Fence.....	28.67	3.60
		For 1" x 6" Boards, Deduct	-2.97	
		For 1" x 3" Boards (Stockade Top), Add	3.68	
		For Fastening With Screws Instead Of Nails, Add	1.85	
32 31 29 00-0006	LF	Two 2" x 4" Rails, 4' High 1" x 4" Boards, Preservative Treated Board Fence.....	31.94	3.60
		For 1" x 6" Boards, Deduct	-3.24	
		For 1" x 3" Boards (Stockade Top), Add	3.99	
		For Fastening With Screws Instead Of Nails, Add	2.04	
32 31 29 00-0007	LF	Three 2" x 4" Rails, 5' High 1" x 4" Boards, Preservative Treated Board Fence	35.74	3.60
		For 1" x 6" Boards, Deduct	-3.47	
		For 1" x 3" Boards (Stockade Top), Add	4.22	
		For Fastening With Screws Instead Of Nails, Add	2.25	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 29 00-0008	LF		Three 2" x 4" Rails, 6' High 1" x 4" Boards, Preservative Treated Board Fence	38.19	3.60
			For 1" x 6" Boards, Deduct	-3.65	
			For 1" x 3" Boards (Stockade Top), Add	4.42	
			For Fastening With Screws Instead Of Nails, Add	2.39	
32 31 29 00-0009	LF		Three 2" x 4" Rails, 8' High 1" x 4" Boards, Preservative Treated Board Fence	40.85	3.60
			For 1" x 6" Boards, Deduct	-3.84	
			For 1" x 3" Boards (Stockade Top), Add	4.63	
			For Fastening With Screws Instead Of Nails, Add	2.54	
32 31 29 00-0010	LF		Two 2" x 4" Rails, 3' High 1" x 4" #2 Grade Western Cedar Board Fence	30.71	3.60
			For 1" x 6" Boards, Deduct	-3.06	
			For 1" x 3" Boards (Stockade Top), Add	3.75	
			For Fastening With Screws Instead Of Nails, Add	1.95	
32 31 29 00-0011	LF		Two 2" x 4" Rails, 4' High 1" x 4" #2 Grade Western Cedar Board Fence	33.51	3.60
			For 1" x 6" Boards, Deduct	-3.30	
			For 1" x 3" Boards (Stockade Top), Add	4.04	
			For Fastening With Screws Instead Of Nails, Add	2.12	
32 31 29 00-0012	LF		Three 2" x 4" Rails, 5' High 1" x 4" #2 Grade Western Cedar Board Fence	35.74	3.60
			For 1" x 6" Boards, Deduct	-3.47	
			For 1" x 3" Boards (Stockade Top), Add	4.22	
			For Fastening With Screws Instead Of Nails, Add	2.25	
32 31 29 00-0013	LF		Three 2" x 4" Rails, 6' High 1" x 4" #2 Grade Western Cedar Board Fence	38.19	3.60
			For 1" x 6" Boards, Deduct	-3.65	
			For 1" x 3" Boards (Stockade Top), Add	4.42	
			For Fastening With Screws Instead Of Nails, Add	2.39	
32 31 29 00-0014	LF		Three 2" x 4" Rails, 8' High 1" x 4" #2 Grade Western Cedar Board Fence	40.85	3.60
			For 1" x 6" Boards, Deduct	-3.84	
			For 1" x 3" Boards (Stockade Top), Add	4.63	
			For Fastening With Screws Instead Of Nails, Add	2.54	
32 31 29 00-0015	LF		Two 2" x 4" Rails, 3' High 1" x 4" #1 Grade Cedar Board Fence	30.71	3.60
			For 1" x 6" Boards, Deduct	-3.06	
			For 1" x 3" Boards (Stockade Top), Add	3.75	
			For Fastening With Screws Instead Of Nails, Add	1.95	
32 31 29 00-0016	LF		Two 2" x 4" Rails, 4' High 1" x 4" #1 Grade Cedar Board Fence	40.45	3.60
			For 1" x 6" Boards, Deduct	-3.58	
			For 1" x 3" Boards (Stockade Top), Add	4.25	
			For Fastening With Screws Instead Of Nails, Add	2.47	
32 31 29 00-0017	LF		Three 2" x 4" Rails, 5' High 1" x 4" #1 Grade Cedar Board Fence	42.40	3.60
			For 1" x 6" Boards, Deduct	-3.73	
			For 1" x 3" Boards (Stockade Top), Add	4.42	
			For Fastening With Screws Instead Of Nails, Add	2.58	
32 31 29 00-0018	LF		Three 2" x 4" Rails, 6' High 1" x 4" #1 Grade Cedar Board Fence	45.64	3.60
			For 1" x 6" Boards, Deduct	-3.95	
			For 1" x 3" Boards (Stockade Top), Add	4.65	
			For Fastening With Screws Instead Of Nails, Add	2.76	
32 31 29 00-0019	LF		Three 2" x 4" Rails, 8' High 1" x 4" #1 Grade Cedar Board Fence	49.15	3.60
			For 1" x 6" Boards, Deduct	-4.17	
			For 1" x 3" Boards (Stockade Top), Add	4.88	
			For Fastening With Screws Instead Of Nails, Add	2.96	
32 31 29 00-0020			Shadow Box (32 31 29) Note: 1x6" board, 2x4" Rail, 4x4" post.		
32 31 29 00-0021	LF		Shadow Box, 3 - 2" x 4" Rails, 6' High 1" x 6" Pressure Treated Pine	62.56	3.60
			For Fastening With Screws Instead Of Nails, Add	3.50	
32 31 29 00-0022	LF		Shadow Box, 3 - 2" x 4" Rails, 4' High 1" x 4" #1 Cedar	78.65	3.60
			For Fastening With Screws Instead Of Nails, Add	4.38	
32 31 29 00-0023	LF		Shadow Box, 3 - 2" x 4" Rails, 6' High 1" x 4" #1 Cedar	85.74	3.60
			For Fastening With Screws Instead Of Nails, Add	4.75	
32 31 29 00-0024	LF		Shadow Box, 3 - 2" x 4" Rails, 8' High 1" x 4" #1 Cedar	92.13	3.60
			For Fastening With Screws Instead Of Nails, Add	5.10	
32 31 29 00-0025			Open Rail Fence (32 31 29)		
32 31 29 00-0026			Post And Rail Fence, Ranch Style (32 31 29 00-0025)		
32 31 29 00-0027	LF		Post And Rail Fence, 2 Rails, 3' High #1 Cedar	28.77	3.60
32 31 29 00-0028	LF		Post And Rail Fence, 2 Rails, 3' High #2 Cedar	22.31	3.60
32 31 29 00-0029	LF		Post And Rail Fence, 3 Rails, 4' High #1 Cedar	34.18	3.60
32 31 29 00-0030	LF		Post And Rail Fence, 3 Rails, 4' High #2 Cedar	24.11	3.60
32 31 29 00-0031			Split Rail Fence (32 31 29 00-0025)		
32 31 29 00-0032	LF		Split Rail Fence, 2 Rails, 3' High #1 Cedar	27.11	3.60
32 31 29 00-0033	LF		Split Rail Fence, 2 Rails, 3' High #2 Cedar	22.24	3.60
32 31 29 00-0034	LF		Split Rail Fence, 3 Rail, 4' High #1 Cedar	31.00	3.60
32 31 29 00-0035	LF		Split Rail Fence, 3 Rail, 4' High #2 Cedar	25.05	3.60
32 31 29 00-0036			Picket Fence (32 31 29)		
32 31 29 00-0037	LF		Picket Fence, 2 Rail, 3' High, Pressure Treated	32.88	3.60
			For Fastening With Screws Instead Of Nails, Add	2.07	
32 31 29 00-0038	LF		Picket Fence, 2 Rail, 3' High #1 Cedar	30.66	3.60
			For Fastening With Screws Instead Of Nails, Add	1.96	
32 31 29 00-0039			Wood Fence Post Accessories (32 31 29)		
32 31 29 00-0040	EA		3-1/2" x 3-1/2" Copper, Pyramid Slip Over, Wood Fence Post Cap	46.69	
32 31 29 00-0041	EA		4" x 4" Copper, Pyramid Slip Over, Wood Fence Post Cap	52.49	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 31 29 00-0042	EA	6" x 6" Copper, Pyramid Slip Over, Wood Fence Post Cap.....	57.12	
32 31 29 00-0043	EA	8" x 8" Copper, Pyramid Slip Over, Wood Fence Post Cap.....	85.00	

32 31 29 00-0044 Wood Gate (32 31 29)**32 31 29 00-0045 Board Fence Gates, Pressure Treated Wood** (32 31 29 00-0044)

Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (treated lumber).

32 31 29 00-0046	EA	3' To 5' High x 3' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	468.45	146.08
32 31 29 00-0047	EA	3' To 5' High x 3'-6" Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	517.70	154.85
32 31 29 00-0048	EA	3' To 5' High x 4' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	578.65	169.47
32 31 29 00-0049	EA	3' To 5' High x 5' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	656.12	178.23
32 31 29 00-0050	EA	3' To 5' High x 6' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	733.58	187.00
32 31 29 00-0051	EA	>5' To 8' High x 3' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	597.20	192.84
32 31 29 00-0052	EA	>5' To 8' High x 3'-6" Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	649.98	201.60
32 31 29 00-0053	EA	>5' To 8' High x 4' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	702.77	210.37
32 31 29 00-0054	EA	>5' To 8' High x 5' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	790.81	219.13
32 31 29 00-0055	EA	>5' To 8' High x 6' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	861.22	227.90

32 31 29 00-0056 Board Fence Gates, Grade 2 Cedar (32 31 29 00-0044)

Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (cedar lumber)

32 31 29 00-0057	EA	3' To 5' High x 3' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	701.30	112.68
32 31 29 00-0058	EA	3' To 5' High x 3'-6" Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	725.40	119.45
32 31 29 00-0059	EA	3' To 5' High x 4' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	762.04	130.71
32 31 29 00-0060	EA	3' To 5' High x 5' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	803.76	137.47
32 31 29 00-0061	EA	3' To 5' High x 6' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	856.07	144.24
32 31 29 00-0062	EA	>5' To 8' High x 3' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	826.30	148.74
32 31 29 00-0063	EA	>5' To 8' High x 3'-6" Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	857.45	155.50
32 31 29 00-0064	EA	>5' To 8' High x 4' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	906.23	162.26
32 31 29 00-0065	EA	>5' To 8' High x 5' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	955.00	169.02
32 31 29 00-0066	EA	>5' To 8' High x 6' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	1,003.78	175.78

32 31 29 00-0067 Board Fence Gates, Grade 1 Cedar (32 31 29 00-0044)

Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (cedar lumber)

32 31 29 00-0068	EA	3' To 5' High x 3' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	754.18	112.68
32 31 29 00-0069	EA	3' To 5' High x 3'-6" Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	785.33	119.45
32 31 29 00-0070	EA	3' To 5' High x 4' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	825.50	130.71
32 31 29 00-0071	EA	3' To 5' High x 5' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	874.28	137.47
32 31 29 00-0072	EA	3' To 5' High x 6' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	923.05	144.24
32 31 29 00-0073	EA	>5' To 8' High x 3' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	896.82	148.74
32 31 29 00-0074	EA	>5' To 8' High x 3'-6" Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	927.96	155.50
32 31 29 00-0075	EA	>5' To 8' High x 4' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	976.74	162.26
32 31 29 00-0076	EA	>5' To 8' High x 5' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	1,025.51	169.02
32 31 29 00-0077	EA	>5' To 8' High x 6' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	1,091.92	175.78

32 31 29 00-0078 Plywood Fence Gates (32 31 29 00-0044)

Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2 x 4 frame, and galvanized nails and hinges.

32 31 29 00-0079	EA	6' High, 5/8" CDX Plywood Gate, 6' To 10' Wide	945.64	148.66
		Note: Unpainted. Excludes post.		
32 31 29 00-0080	EA	7' High, 5/8" CDX Plywood Gate, 6' To 10' Wide	957.30	148.66
		Note: Unpainted. Excludes post.		
32 31 29 00-0081	EA	8' High, 5/8" CDX Plywood Gate, 6' To 10' Wide	1,105.48	162.18
		Note: Unpainted. Excludes post.		
32 31 29 00-0082	EA	9' High, 5/8" CDX Plywood Gate, 6' To 10' Wide	1,117.14	162.18
		Note: Unpainted. Excludes post.		
32 31 29 00-0083	EA	10' High, 5/8" CDX Plywood Gate, 6' To 10' Wide	1,188.56	175.69
		Note: Unpainted. Excludes post.		
32 31 29 00-0084	EA	6' High, 5/8" CDX Plywood Gate, >10' To 20' Wide	1,706.42	270.29
		Note: Unpainted. Excludes post.		
32 31 29 00-0085	EA	7' High, 5/8" CDX Plywood Gate, >10' To 20' Wide	1,729.75	270.29
		Note: Unpainted. Excludes post.		
32 31 29 00-0086	EA	8' High, 5/8" CDX Plywood Gate, >10' To 20' Wide	1,949.35	297.32
		Note: Unpainted. Excludes post.		
32 31 29 00-0087	EA	9' High, 5/8" CDX Plywood Gate, >10' To 20' Wide	1,972.67	297.32
		Note: Unpainted. Excludes post.		
32 31 29 00-0088	EA	10' High, 5/8" CDX Plywood Gate, >10' To 20' Wide	2,115.50	324.35
		Note: Unpainted. Excludes post.		
32 31 29 00-0089	EA	6' High, 5/8" CDX Plywood Gate, >20' To 40' Wide	3,183.08	540.57
		Note: Unpainted. Excludes post.		
32 31 29 00-0090	EA	7' High, 5/8" CDX Plywood Gate, >20' To 40' Wide	3,229.73	540.57
		Note: Unpainted. Excludes post.		
32 31 29 00-0091	EA	8' High, 5/8" CDX Plywood Gate, >20' To 40' Wide	3,592.16	594.63
		Note: Unpainted. Excludes post.		
32 31 29 00-0092	EA	9' High, 5/8" CDX Plywood Gate, >20' To 40' Wide	3,638.81	594.63
		Note: Unpainted. Excludes post.		
32 31 29 00-0093	EA	10' High, 5/8" CDX Plywood Gate, >20' To 40' Wide	3,978.53	662.21
		Note: Unpainted. Excludes post.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 29 00-0094			Wood Gates Accessories (32 31 29 00-0044)		
32 31 29 00-0095	EA		Galvanized Steel Padlockable Slide Latch, 6-3/16" Bolt Length	51.32	12.84
32 31 29 00-0096	EA		Black Steel Padlockable Slide Latch, 6-3/16" Bolt Length	37.55	12.84
32 31 29 00-0097	EA		Stainless Steel Padlockable Slide Latch, 6-3/16" Bolt Length	95.65	12.84
32 31 29 00-0098	EA		Black Steel Cane Bolt, 18" Bolt Length	65.56	16.05
32 31 29 00-0099	EA		Zinc Coated Steel Cane Bolt, 18" Bolt Length	64.83	16.05
32 31 29 00-0100	EA		Galvanized Steel Self Latching Gate Latches, 4-1/4" Bolt Length	80.64	16.05
32 31 29 00-0101	EA		Black Steel Self Latching Gate Latches, 4-1/4" Bolt Length	58.46	16.05
32 31 29 00-0102	EA		Stainless Steel Self Latching Gate Latches, 4-1/4" Bolt Length	91.17	16.05
32 31 29 00-0103			Pressure Treated Wood Fence Posts (32 31 29)		
			See CSI section 32 31 13 13-0001 for drilling augering, 32 31 56 00-0017 for barbed wire.		
32 31 29 00-0104	EA		4' High, Pressure Treated Wood Fence Posts, Set In Soil, Earth Fill	44.63	14.61
32 31 29 00-0105	EA		6' High, Pressure Treated Wood Fence Posts, Set In Soil, Earth Fill	50.20	14.61
32 31 29 00-0106	EA		4' High, Pressure Treated Wood Fence Posts, Set In Concrete	78.66	28.05
32 31 29 00-0107	EA		6' High, Pressure Treated Wood Fence Posts, Set In Concrete	85.00	28.05
32 31 29 00-0108			Wood Utility Pole Fence (32 31 29)		
			Note: Excludes post holes. See CSI section 32 31 13 13-0001 for drilling augering and backfill.		
32 31 29 00-0109	LF		Wood Utility Pole Barrier Fence	55.09	3.60
			Note: Includes notching post, drilling and pinned with #5 rebar.		
32 31 29 00-0110			Wood Rail Fence (32 31 29)		
			Note: 3" diameter treated lodgepole pine rails, 6" diameter treated lodgepole pine post. Posts at 8' centers. Excludes post holes and fill		
32 31 29 00-0111	LF		4' Above Ground Wood Rail Fence, 3 - 3" Diameter Treated Lodgepole Pine Rails, 6" Diameter, 6' Overall Treated Lodgepole Pine Post	28.35	3.60
32 31 34			Tubular Barrier Gates (32 31)		
32 31 34 00-0001			Tube Gate (32 31 34)		
			See CSI section 32 31 13 13-0001 for augering post holes and concrete fill, 32 31 13 13-0647 for gate accessories.		
32 31 34 00-0002			50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate (32 31 34 00-0001)		
			Note: Round top edges. Includes lag bolt hinges, lock plate and hardware. Excludes augering, concrete, bollard and chain.		
32 31 34 00-0003	EA		4' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate	207.68	26.92
			For 13 Gauge Tubing, Add	33.56	
			For Galvanized Finish, Add	19.19	
32 31 34 00-0004	EA		6' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate	269.91	34.90
			For 13 Gauge Tubing, Add	43.51	
			For Galvanized Finish, Add	24.78	
32 31 34 00-0005	EA		8' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate	364.29	44.87
			For 13 Gauge Tubing, Add	59.40	
			For Galvanized Finish, Add	34.45	
32 31 34 00-0006	EA		10' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate	419.90	55.84
			For 13 Gauge Tubing, Add	67.03	
			For Galvanized Finish, Add	37.56	
32 31 34 00-0007	EA		12' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate	498.17	66.40
			For 13 Gauge Tubing, Add	79.69	
			For Galvanized Finish, Add	44.82	
32 31 34 00-0008	EA		14' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate	543.82	74.78
			For 13 Gauge Tubing, Add	86.33	
			For Galvanized Finish, Add	47.92	
32 31 34 00-0009	EA		16' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate	638.58	86.24
			For 13 Gauge Tubing, Add	101.79	
			For Galvanized Finish, Add	56.90	
32 31 34 00-0010			33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate (32 31 34 00-0001)		
			Note: Round top edges. Includes lag bolt hinges, lock plate and hardware. Excludes augering and concrete.		
32 31 34 00-0011	EA		4' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	271.78	26.92
			For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	76.80	
32 31 34 00-0012	EA		6' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	325.05	34.90
			For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	88.14	
32 31 34 00-0013	EA		8' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	388.28	44.87
			For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	101.47	
32 31 34 00-0014	EA		10' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	447.23	55.84
			For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	111.10	
32 31 34 00-0015	EA		12' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	507.11	66.40
			For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	123.08	
32 31 34 00-0016	EA		14' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	561.74	74.78
			For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	134.96	
32 31 34 00-0017	EA		16' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	627.35	86.24
			For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	147.25	
32 31 34 00-0018	EA		18' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	720.89	97.06
			For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	170.71	
32 31 34 00-0019	EA		20' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	803.54	108.58
			For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	201.77	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 31 34 00-0020	33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate (32 31 34 00-0001)			
	Note: Round top edges. Includes lag bolt hinges, lock plate and hardware. Excludes augering and concrete.			
32 31 34 00-0021	EA	4' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	294.28	26.92
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	85.80	
32 31 34 00-0022	EA	6' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	347.17	34.90
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	96.99	
32 31 34 00-0023	EA	8' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	403.28	44.87
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	107.47	
32 31 34 00-0024	EA	10' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	469.10	55.84
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	119.84	
32 31 34 00-0025	EA	12' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	522.92	66.40
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	129.41	
32 31 34 00-0026	EA	14' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	598.65	74.78
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	149.73	
32 31 34 00-0027	EA	16' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	667.43	86.24
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	163.28	
32 31 34 00-0028	EA	18' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	782.04	97.06
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	195.17	
32 31 34 00-0029	EA	20' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	858.53	108.58
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	223.77	
32 31 34 00-0030	Tubular Steel Barrier Gate (Triangular Shape) (32 31 34 00-0001)			
	Note: Includes posts, caps, welded hinges and lock keeper. Excludes augering, concrete, and bollards.			
32 31 34 00-0031	EA	4' High x 10' Wide Opening Tubular Galvanized Steel Barrier Gate With 3" Diameter Post	2,250.39	55.84
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	742.42	
32 31 34 00-0032	EA	4' High x 12' Wide Opening Tubular Galvanized Steel Barrier Gate With 3" Diameter Post	2,440.78	66.40
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	796.05	
32 31 34 00-0033	EA	4' High x 14' Wide Opening Tubular Galvanized Steel Barrier Gate With 3" Diameter Post	2,892.10	74.78
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	956.64	
32 31 34 00-0034	EA	4' High x 10' Wide Opening Tubular Galvanized Steel Barrier Gate With 4" Diameter Post	2,335.86	55.84
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	776.30	
32 31 34 00-0035	EA	4' High x 12' Wide Opening Tubular Galvanized Steel Barrier Gate With 4" Diameter Post	2,538.45	66.40
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	834.76	
32 31 34 00-0036	EA	4' High x 14' Wide Opening Tubular Galvanized Steel Barrier Gate With 4" Diameter Post	2,989.77	74.78
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	995.34	
32 31 34 00-0037	Four Rail Tube Gate, 1-1/2" Diameter Welded Galvanized Steel Tubing (32 31 34 00-0001)			
	Note: Excludes augering holes and concrete.			
32 31 34 00-0038	EA	4' Four Rail Metal Frame Tube Gate, 1-1/2" Diameter Welded Galvanized Steel With Posts	463.04	26.92
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	41.65	
32 31 34 00-0039	Tubular Horse Gate (32 31 34 00-0001)			
	Note: Includes posts, caps and hardware. Treated with Natina (or Equal) galvanized surface stain "rustic brown finish". Excludes augering holes and concrete.			
32 31 34 00-0040	EA	5-1/2' Above Ground, 5' Wide Tubular Galvanized Steel Horse Gate With 3" Diameter Posts	3,191.30	26.92
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	897.65	
32 31 34 00-0041	Pipe Gate (32 31 34)			
	Note: Excludes augering and concrete. See CSI section 32 31 13 13-0001 for augering post holes and concrete fill.			
32 31 34 00-0042	EA	20' Galvanized Steel Pipe Gate, Swinging (Road Access Barrier)	4,222.92	
32 31 34 00-0043	EA	25' Galvanized Steel Pipe Gate, Swinging (Road Access Barrier)	5,283.75	
32 31 34 00-0044	EA	30' Galvanized Steel Pipe Gate, Swinging (Road Access Barrier)	6,298.09	
32 31 41	Precast Concrete Fences (32 31)			
32 31 41 00-0001	Precast Post And Rail Fence, Ranch Style, With Integral Color Concrete. (32 31 41)			
	Note: Includes post holes, fill, spreading of excess material on site. See CSI section 32 31 13 13-0001 for drilling for augering holes and backfill.			
32 31 41 00-0002	LF	Precast Post And Rail Fence With Integral Color Concrete, 2 Rails, 3' Above Ground With 2' Bury	69.96	3.60
		Note: Includes 12" diameter holes with concrete fill for line posts and 18" diameter holes with concrete fill at corners.		
32 31 56	Wild Life Deterrent Fence (32 31)			
32 31 56 00-0001	Barbed Wire Fences (32 31 56)			
	Note: Excludes post holes and fill See CSI section 32 31 13 13-0001 for drilling for augering holes and backfill.			
32 31 56 00-0002	Fence Posts (32 31 56 00-0001)			
32 31 56 00-0003	Fence Post Soil, Set In Concrete (32 31 56 00-0002)			
32 31 56 00-0004	EA	Barbed Wire Fence Post, Galvanized Set In Concrete In Soil	102.68	7.98
		For Bracing On Corner Post, End Post And Pull Post, Add	165.83	
32 31 56 00-0005	EA	Barbed Wire Fence Post, Vinyl Coated Set In Concrete In Soil	138.82	7.98
		For Bracing On Corner Post, End Post And Pull Post, Add	226.18	
32 31 56 00-0006	Post In Rock (32 31 56 00-0002)			

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 56 00-0007	EA	Barbed Wire Fence Post, Galvanized Grouted In Rock..... <i>For Bracing On Corner Post, End Post And Pull Post, Add</i>	100.93 163.20	7.98
32 31 56 00-0008	EA	Barbed Wire Fence Post, Vinyl Coated Grouted In Rock <i>For Bracing On Corner Post, End Post And Pull Post, Add</i>	137.07 223.56	7.98
32 31 56 00-0009		Studded Steel T-Posts, Enamel Paint Finish (32 31 56 00-0001) Note: Posts for barb wire, chain link or welded wire mesh.		
32 31 56 00-0010	EA	5' Studded Steel T-Post, Driven Into Earth	26.80	
32 31 56 00-0011	EA	5'-6" Studded Steel T-Post, Driven Into Earth	27.46	
32 31 56 00-0012	EA	6' Studded Steel T-Post, Driven Into Earth	28.74	
32 31 56 00-0013	EA	6'-6" Studded Steel T-Post, Driven Into Earth	30.02	
32 31 56 00-0014	EA	7' Studded Steel T-Post, Driven Into Earth	31.72	
32 31 56 00-0015	EA	8' Studded Steel T-Post, Driven Into Earth	35.81	
32 31 56 00-0016	EA	10' Studded Steel T-Post, Driven Into Earth	43.85	
32 31 56 00-0017		Barbed Wire (32 31 56 00-0001) Note: Per strand.		
32 31 56 00-0018	LF	Galvanized Barbed Wire For Wild Life Deterrent Fencing, Per Strand	0.89	0.40
32 31 56 00-0019	LF	Vinyl Coated Barbed Wire, For Wild Life Deterrent Fencing, Per Strand	1.03	0.40
32 31 56 00-0020		Barbed Wire Fence, Farm Style, With Wood Posts (32 31 56 00-0001) Note: Based on post at 10' centers, two corner post and two pull post per 300 lf.		
32 31 56 00-0021	LF	4'-6" Height, Three (3) Strand Barbed Wire Fence With Wood Posts..... Note: Posts at 10' maximum.	12.33	2.59
32 32 Retaining Walls		(32 30)		
32 32 13		Cast-In-Place Concrete Retaining Wall (32 32) Note: System includes all necessary forms (4 uses), 3000 PSI concrete with an 8" chute, all necessary reinforcing steel, and underdrain. Exposed concrete is patched and rubbed. Excludes initial site grading, subbase preparation or finish grading.		
32 32 13 00-0001		Concrete Retaining Walls (32 32 13) Note: System elements include all necessary forms (4 uses), 3000 PSI concrete with an 8" chute, all necessary reinforcing steel, and underdrain. Exposed concrete is patched and rubbed. Excludes initial site grading, subbase preparation or finish grading.		
32 32 13 00-0002	LF	4' High With Base, 10" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	381.58	144.61
		<i>For >3:1 Sloped Soil At Top, Add</i>	7.86	
32 32 13 00-0003	LF	6' High With Base, 10" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	475.37	177.94
		<i>For >3:1 Sloped Soil At Top, Add</i>	10.15	
32 32 13 00-0004	LF	8' High With Base, 10" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	517.30	191.93
		<i>For >3:1 Sloped Soil At Top, Add</i>	11.34	
32 32 13 00-0005	LF	10' High With Base, 13" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	657.04	237.33
		<i>For >3:1 Sloped Soil At Top, Add</i>	15.51	
32 32 13 00-0006	LF	12' High With Base, 14" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	757.02	272.60
		<i>For >3:1 Sloped Soil At Top, Add</i>	18.00	
32 32 13 00-0007	LF	16' High With Base, 16" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	1,096.58	399.91
		<i>For >3:1 Sloped Soil At Top, Add</i>	25.23	
32 32 13 00-0008	LF	20' High With Base, 18" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	1,506.24	552.10
		<i>For >3:1 Sloped Soil At Top, Add</i>	34.17	
32 32 13 00-0009	LF	4' High With Base, 12" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	419.08	157.93
		<i>For >3:1 Sloped Soil At Top, Add</i>	8.77	
32 32 13 00-0010	LF	6' High With Base, 12" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	512.16	190.29
		<i>For >3:1 Sloped Soil At Top, Add</i>	11.19	
32 32 13 00-0011	LF	8' High With Base, 12" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	541.52	198.54
		<i>For >3:1 Sloped Soil At Top, Add</i>	12.28	
32 32 13 00-0012	LF	10' High With Base, 16" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	743.11	266.08
		<i>For >3:1 Sloped Soil At Top, Add</i>	17.92	
32 32 13 00-0013	LF	12' High With Base, 18" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	943.39	341.80
		<i>For >3:1 Sloped Soil At Top, Add</i>	22.08	
32 32 13 00-0014	LF	16' High With Base, 21" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	1,416.07	518.08
		<i>For >3:1 Sloped Soil At Top, Add</i>	32.30	
32 32 13 00-0015	LF	20' High With Base, 24" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	1,998.54	731.31
		<i>For >3:1 Sloped Soil At Top, Add</i>	45.55	
32 32 16		Precast Concrete Retaining Walls (32 32)		
32 32 16 00-0001		Precast Retaining Walls (32 32 16) Note: Tied-back earth walls. Includes precast filter fabric, soil reinforcing mesh and cast-in-place coping. Excludes concrete leveling pad, or select earth excavation and backfill.		
32 32 16 00-0002	SF	10-15' High, Tied-back, Precast Concrete Retaining Walls	102.10	14.86
32 32 16 00-0003	SF	16-20' High, Tied-back, Precast Concrete Retaining Walls	104.84	11.94
32 32 16 00-0004	SF	21-25' High, Tied-back, Precast Concrete Retaining Walls	108.73	9.95
32 32 16 00-0005	SF	26-30' High, Tied-back, Precast Concrete Retaining Walls	117.57	9.95
32 32 16 00-0006	SF	>30' High, Tied-back, Precast Concrete Retaining Walls	124.38	8.49
32 32 23		Segmental Retaining Walls (32 32)		
32 32 23 13		Segmental Concrete Unit Masonry Retaining Walls (32 32 23)		
32 32 23 13-0001		Modular Retaining Wall Systems (32 32 23 13) Note: Includes installation, material and manufacturer's wall design. Includes stone wall, cap stones, #57 stone backing, Geo-Grid (2/3 height of wall), miradrain and fill with earth, and compaction. Includes cap at top, pins, and installation. Excludes initial site grading, subbase preparation or finish grading.		

32 Exterior Improvements**32 30 Site Improvements****32 32 Retaining Walls**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 32 23 13-0002 "Amastone" Type Modular Retaining Wall Systems (32 32 23 13-0001)				
32 32 23 13-0003	SF	Up To 4' Height "Amastone" Type Modular Retaining Wall System.....	69.90	9.57
		For >3:1 Sloped Soil At Top, Add	4.32	
32 32 23 13-0004	SF	4 To 8' Height "Amastone" Type Modular Retaining Wall System	73.75	10.07
		For >3:1 Sloped Soil At Top, Add	4.56	
32 32 23 13-0005	SF	8 To 12' Height "Amastone" Type Modular Retaining Wall System	76.98	11.07
		For >3:1 Sloped Soil At Top, Add	4.66	
32 32 23 13-0006	SF	12 To 16' Height "Amastone" Type Modular Retaining Wall System	80.38	12.08
		For >3:1 Sloped Soil At Top, Add	4.78	
32 32 23 13-0007 "Diamond" Type Modular Retaining Wall Systems (32 32 23 13-0001)				
32 32 23 13-0008	SF	Up To 4' Height "Diamond" Type Modular Retaining Wall System	72.56	9.57
		For >3:1 Sloped Soil At Top, Add	4.54	
32 32 23 13-0009	SF	4 To 8' Height "Diamond" Type Modular Retaining Wall System	76.40	10.07
		For >3:1 Sloped Soil At Top, Add	4.78	
32 32 23 13-0010	SF	8 To 12' Height "Diamond" Type Modular Retaining Wall System	79.63	11.07
		For >3:1 Sloped Soil At Top, Add	4.89	
32 32 23 13-0011	SF	12 To 16' Height "Diamond" Type Modular Retaining Wall System	83.04	12.08
		For >3:1 Sloped Soil At Top, Add	5.00	
32 32 23 13-0012 "Keystone" Type Modular Retaining Wall Systems (32 32 23 13-0001)				
32 32 23 13-0013	SF	Up To 4' Height "Keystone" Type Modular Retaining Wall System	78.90	9.57
		For >3:1 Sloped Soil At Top, Add	5.08	
32 32 23 13-0014	SF	4 To 8' Height "Keystone" Type Modular Retaining Wall System	82.74	10.07
		For >3:1 Sloped Soil At Top, Add	5.32	
32 32 23 13-0015	SF	8 To 12' Height "Keystone" Type Modular Retaining Wall System	85.98	11.07
		For >3:1 Sloped Soil At Top, Add	5.43	
32 32 23 13-0016	SF	12 To 16' Height "Keystone" Type Modular Retaining Wall System	89.38	12.08
		For >3:1 Sloped Soil At Top, Add	5.54	
32 32 23 13-0017 "Criblock" Type Modular Retaining Wall Systems (32 32 23 13-0001)				
32 32 23 13-0018	SF	Up To 4' Height "Criblock" Type Modular Retaining Wall System.....	69.90	9.57
		For >3:1 Sloped Soil At Top, Add	4.32	
		For Gravel Backfill Instead Of Earth, Add	0.25	
32 32 23 13-0019	SF	4 To 8' Height "Criblock" Type Modular Retaining Wall System	73.75	10.07
		For >3:1 Sloped Soil At Top, Add	4.56	
		For Gravel Backfill Instead Of Earth, Add	0.25	
32 32 23 13-0020	SF	8 To 12' Height "Criblock" Type Modular Retaining Wall System	76.98	11.07
		For >3:1 Sloped Soil At Top, Add	4.66	
		For Gravel Backfill Instead Of Earth, Add	0.25	
32 32 23 13-0021	SF	12 To 16' Height "Criblock" Type Modular Retaining Wall System	80.38	12.08
		For >3:1 Sloped Soil At Top, Add	4.78	
		For Gravel Backfill Instead Of Earth, Add	0.25	
32 32 23 13-0022 "Versa-Lok" Type Modular Retaining Wall Systems (32 32 23 13-0001)				
32 32 23 13-0023	SF	Up To 4' Height "Versa-Lok" Type Modular Retaining Wall System	61.85	9.57
		For >3:1 Sloped Soil At Top, Add	3.63	
32 32 23 13-0024	SF	4 To 8' Height "Versa-Lok" Type Modular Retaining Wall System	68.35	10.07
		For >3:1 Sloped Soil At Top, Add	4.10	
32 32 23 13-0025	SF	8 To 12' Height "Versa-Lok" Type Modular Retaining Wall System	71.63	11.07
		For >3:1 Sloped Soil At Top, Add	4.21	
32 32 23 13-0026	SF	12 To 16' Height "Versa-Lok" Type Modular Retaining Wall System	74.54	12.08
		For >3:1 Sloped Soil At Top, Add	4.28	
32 32 23 13-0027 Retaining Wall Cap Block Restoration (32 32 23 13-0001)				
Note: Includes removal of existing cap block and installation of new cap block to match.				
32 32 23 13-0028	LF	Removal And Reinstall Retaining Wall Cap Block And Pins	42.77	
		For >3:1 Sloped Soil At Top, Add	2.43	

32 32 26 Metal Crib Retaining Walls (32 32)**32 32 26 00-0001 Bin Type Retaining Wall** (32 32 26)**32 32 26 00-0002 Vertical Bin Walls** (32 32 26 00-0001)

Note: Excludes excavation and backfill.

32 32 26 00-0003	SF	5.5' Vertical Bin Retaining Wall, Wall Heights To 11'	76.33	
32 32 26 00-0004	SF	7.7' Vertical Bin Retaining Wall, Wall Heights, 8.33' To 16.33'	90.74	
32 32 26 00-0005	SF	9.9' Vertical Bin Retaining Wall, Wall Heights, 13.67' To 21.67'	105.76	
32 32 26 00-0006	SF	12.1' Vertical Bin Retain Wall, Wall Heights 17.67' To 25.67'	114.41	
32 32 26 00-0007	SF	14.3' Vertical Bin Retain Wall, Wall Heights 20.33' To 28.33'	127.70	
32 32 26 00-0008	SF	16.5' Vertical Bin Retain Wall, Wall Heights 20.33' To 28.33'	136.35	

32 32 26 00-0009 Battered Bin Walls (32 32 26 00-0001)

Note: Excludes excavation and backfill.

32 32 26 00-0010	SF	5.5' Battered Bin Retain Wall, Wall Heights To 11'	67.52	
32 32 26 00-0011	SF	7.7' Battered Bin Retain Wall, Wall Heights 8.33' To 16.33'	73.29	
32 32 26 00-0012	SF	9.9' Battered Bin Retain Wall, Wall Heights 13.67' To 21.67'	82.45	
32 32 26 00-0013	SF	12.1' Battered Bin Retain Wall, Wall Heights 17.67' To 25.67'	92.53	
32 32 26 00-0014	SF	14.3' Battered Bin Retain Wall, Wall Heights 20.33' To 28.33'	108.28	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 26 00-0015	SF		16.5' Battered Bin Retain Wall, Wall Heights 20.33' To 28.33'.....	111.16	
32 32 26 00-0016 Aluminized Steel Bin (32 32 26)					
Note: Excludes excavation and backfill.					
32 32 26 00-0017	SF		4' High, 5.5' Deep Aluminized Steel Bin.....	46.13	5.01
			For >3:1 Sloped Soil At Top, Add	3.07	
			For Galvanized Type, Deduct	-3.61	
32 32 26 00-0018	SF		8' High, 5.5' Deep Aluminized Steel Bin.....	51.72	5.01
			For >3:1 Sloped Soil At Top, Add	3.54	
			For Galvanized Type, Deduct	-4.16	
32 32 26 00-0019	SF		10' High, 7.7' Deep Aluminized Steel Bin.....	55.23	5.47
			For >3:1 Sloped Soil At Top, Add	3.77	
			For Galvanized Type, Deduct	-4.43	
32 32 26 00-0020	SF		12' High, 7.7' Deep Aluminized Steel Bin.....	62.91	6.18
			For >3:1 Sloped Soil At Top, Add	4.30	
			For Galvanized Type, Deduct	-5.06	
32 32 26 00-0021	SF		16' High, 7.7' Deep Aluminized Steel Bin.....	60.54	6.41
			For >3:1 Sloped Soil At Top, Add	4.07	
			For Galvanized Type, Deduct	-4.78	
32 32 26 00-0022	SF		16' High, 9.9' Deep Aluminized Steel Bin.....	67.55	6.52
			For >3:1 Sloped Soil At Top, Add	4.64	
			For Galvanized Type, Deduct	-5.46	
32 32 26 00-0023	SF		20' High, 9.9' Deep Aluminized Steel Bin.....	74.96	6.87
			For >3:1 Sloped Soil At Top, Add	5.19	
			For Galvanized Type, Deduct	-6.11	
32 32 26 00-0024	SF		20' High, 12.1' Deep Aluminized Steel Bin.....	76.74	7.23
			For >3:1 Sloped Soil At Top, Add	5.30	
			For Galvanized Type, Deduct	-6.24	
32 32 26 00-0025	SF		24' High, 12.1' Deep Aluminized Steel Bin.....	80.77	7.23
			For >3:1 Sloped Soil At Top, Add	5.64	
			For Galvanized Type, Deduct	-6.63	
32 32 26 00-0026	SF		24' High, 14.3' Deep Aluminized Steel Bin.....	84.78	7.34
			For >3:1 Sloped Soil At Top, Add	5.97	
			For Galvanized Type, Deduct	-7.02	
32 32 26 00-0027	SF		28' High, 14.3' Deep Aluminized Steel Bin.....	87.63	7.46
			For >3:1 Sloped Soil At Top, Add	6.19	
			For Galvanized Type, Deduct	-7.28	
32 32 29 Timber Retaining Walls (32 32)					
32 32 29 00-0001 Wood Post Retaining Walls (32 32 29)					
Note: System includes wood posts installed side-by-side to various heights, and underdrain. Excludes initial site grading, subbase preparation or finish grading.					
32 32 29 00-0002	LF		4" x 4", 1' High, Redwood, Wood Post Retaining Walls.....	91.55	31.94
			For >3:1 Sloped Soil At Top, Add	2.36	
32 32 29 00-0003	LF		4" x 4", 2' High, Redwood, Wood Post Retaining Walls.....	179.16	62.54
			For >3:1 Sloped Soil At Top, Add	4.60	
32 32 29 00-0004	LF		4" x 4", 1' High, Cedar, Wood Post Retaining Walls.....	88.00	31.94
			For >3:1 Sloped Soil At Top, Add	2.06	
32 32 29 00-0005	LF		4" x 4", 2' High, Cedar, Wood Post Retaining Walls.....	172.27	62.54
			For >3:1 Sloped Soil At Top, Add	4.02	
32 32 29 00-0006	LF		4" x 4", 1' High, Pressure Treated Lumber, Wood Post Retaining Walls.....	87.94	27.90
			For >3:1 Sloped Soil At Top, Add	2.72	
32 32 29 00-0007	LF		4" x 4", 2' High, Pressure Treated Lumber, Wood Post Retaining Walls.....	172.15	54.59
			For >3:1 Sloped Soil At Top, Add	5.35	
32 32 29 00-0008	LF		4" x 4", 1' High, Creosoted Lumber, Wood Post Retaining Walls.....	73.01	24.77
			For >3:1 Sloped Soil At Top, Add	1.99	
32 32 29 00-0009	LF		4" x 4", 2' High, Creosoted Lumber, Wood Post Retaining Walls.....	132.00	44.83
			For >3:1 Sloped Soil At Top, Add	3.60	
32 32 29 00-0010	LF		6" x 6", 2' High, Redwood, Wood Post Retaining Walls.....	242.12	75.77
			For >3:1 Sloped Soil At Top, Add	7.70	
32 32 29 00-0011	LF		6" x 6", 4' High, Redwood, Wood Post Retaining Walls.....	478.09	148.51
			For >3:1 Sloped Soil At Top, Add	15.40	
32 32 29 00-0012	LF		6" x 6", 2' High, Cedar, Wood Post Retaining Walls.....	238.18	75.77
			For >3:1 Sloped Soil At Top, Add	7.37	
32 32 29 00-0013	LF		6" x 6", 4' High, Cedar, Wood Post Retaining Walls.....	468.25	148.51
			For >3:1 Sloped Soil At Top, Add	14.56	
32 32 29 00-0014	LF		6" x 6", 2' High, Pressure Treated Lumber, Wood Post Retaining Walls.....	225.19	61.54
			For >3:1 Sloped Soil At Top, Add	8.68	
32 32 29 00-0015	LF		6" x 6", 4' High, Pressure Treated Lumber, Wood Post Retaining Walls.....	447.23	121.49
			For >3:1 Sloped Soil At Top, Add	17.35	
32 32 29 00-0016	LF		6" x 6", 2' High, Creosoted Lumber, Wood Post Retaining Walls.....	166.45	49.20
			For >3:1 Sloped Soil At Top, Add	5.78	
32 32 29 00-0017	LF		6" x 6", 4' High, Creosoted Lumber, Wood Post Retaining Walls.....	327.45	96.27
			For >3:1 Sloped Soil At Top, Add	11.47	
32 32 29 00-0018	LF		8" x 8", 4' High, Redwood, Wood Post Retaining Walls.....	598.28	164.20
			For >3:1 Sloped Soil At Top, Add	22.93	
32 32 29 00-0019	LF		8" x 8", 6' High, Redwood, Wood Post Retaining Walls.....	1,119.17	306.55
			For >3:1 Sloped Soil At Top, Add	43.02	
32 32 29 00-0020	LF		8" x 8", 4' High, Cedar, Wood Post Retaining Walls.....	578.59	164.20
			For >3:1 Sloped Soil At Top, Add	21.26	
32 32 29 00-0021	LF		8" x 8", 6' High, Cedar, Wood Post Retaining Walls.....	1,081.75	306.55
			For >3:1 Sloped Soil At Top, Add	39.84	
32 32 29 00-0022	LF		8" x 8", 4' High, Pressure Treated Lumber, Wood Post Retaining Walls.....	621.02	189.42
			For >3:1 Sloped Soil At Top, Add	20.58	
32 32 29 00-0023	LF		8" x 8", 6' High, Pressure Treated Lumber, Wood Post Retaining Walls.....	1,158.55	353.74
			For >3:1 Sloped Soil At Top, Add	38.34	

32 Exterior Improvements**32 30 Site Improvements****32 32 Retaining Walls**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 32 29 00-0024	LF	8" x 8", 4' High, Creosoted Lumber, Wood Post Retaining Walls.....	468.67	153.11
		<i>For >3:1 Sloped Soil At Top, Add</i>	13.81	
32 32 29 00-0025	LF	8" x 8", 6' High, Creosoted Lumber, Wood Post Retaining Walls.....	869.27	284.02
		<i>For >3:1 Sloped Soil At Top, Add</i>	25.61	
32 32 29 00-0026	LF	4' High, Cedar, Random Diameter Poles, Wood Post Retaining Walls.....	175.53	63.10
		<i>For >3:1 Sloped Soil At Top, Add</i>	4.19	
32 32 29 00-0027	LF	6' High, Cedar, Random Diameter Poles, Wood Post Retaining Walls.....	262.32	94.71
		<i>For >3:1 Sloped Soil At Top, Add</i>	6.19	
32 32 29 00-0028	LF	8' High, Cedar, Random Diameter Poles, Wood Post Retaining Walls.....	349.00	126.21
		<i>For >3:1 Sloped Soil At Top, Add</i>	8.20	
32 32 29 00-0029	LF	4' High Creosoted Lumber, Random Diameter Poles, Wood Post Retaining Walls.....	119.61	35.64
		<i>For >3:1 Sloped Soil At Top, Add</i>	4.10	
32 32 29 00-0030	LF	6' High Creosoted Lumber, Random Diameter Poles, Wood Post Retaining Walls.....	173.82	51.45
		<i>For >3:1 Sloped Soil At Top, Add</i>	6.03	
32 32 29 00-0031	LF	8' High Creosoted Lumber, Random Diameter Poles, Wood Post Retaining Walls.....	235.41	69.49
		<i>For >3:1 Sloped Soil At Top, Add</i>	8.20	

32 32 29 00-0032 Post And Board Retaining Walls (32 32 29)

Note: System includes all the elements that must go into a wall that resists lateral pressure. System elements include posts and boards, cap, underdrain, and deadman where required. Excludes initial site grading, subbase preparation or finish grading.

32 32 29 00-0033	LF	4" x 4" Post, 4' Spacing, 3' High, 2" Planking, Redwood, Post And Board Retaining Walls.....	73.64	18.94
		<i>For >3:1 Sloped Soil At Top, Add</i>	3.04	
32 32 29 00-0034	LF	4" x 4" Post, 2' Spacing, 4' High, 2" Planking, Redwood, Post And Board Retaining Walls.....	112.97	32.39
		<i>For >3:1 Sloped Soil At Top, Add</i>	4.10	
32 32 29 00-0035	LF	6" x 6" Post, 4' Spacing, 5' High 2" Planking, Redwood, Post And Board Retaining Walls.....	148.46	40.24
		<i>For >3:1 Sloped Soil At Top, Add</i>	5.78	
32 32 29 00-0036	LF	6" x 6" Post, 3' Spacing, 6' High, 2" Planking, Redwood, Post And Board Retaining Walls.....	207.54	57.05
		<i>For >3:1 Sloped Soil At Top, Add</i>	7.95	
32 32 29 00-0037	LF	6" x 6" With Deadman, 3' Spacing, 8' High, 2" Planking, Redwood, Post And Board Retaining Walls.....	271.46	74.20
		<i>For >3:1 Sloped Soil At Top, Add</i>	10.46	
32 32 29 00-0038	LF	8" x 8" Post, 2' Spacing, 8' High, 2" Planking, Redwood, Post And Board Retaining Walls.....	557.55	146.83
		<i>For >3:1 Sloped Soil At Top, Add</i>	22.43	
32 32 29 00-0039	LF	8" x 8" With Deadman, 2' Spacing, 9' High, 2" Planking, Redwood, Post And Board Retaining Walls.....	630.46	162.63
		<i>For >3:1 Sloped Soil At Top, Add</i>	25.95	
32 32 29 00-0040	LF	4" x 4" Post, 4' Spacing, 3' High, 2" Planking, Cedar, Post And Board Retaining Walls.....	74.71	19.73
		<i>For >3:1 Sloped Soil At Top, Add</i>	3.00	
32 32 29 00-0041	LF	4" x 4" With Deadman, 2' Spacing, 4' High 2" Planking, Cedar, Post And Board Retaining Walls.....	131.14	35.08
		<i>For >3:1 Sloped Soil At Top, Add</i>	5.19	
32 32 29 00-0042	LF	6" x 6" Post, 4' Spacing, 4' High 2" Planking, Cedar, Post And Board Retaining Walls.....	128.90	34.40
		<i>For >3:1 Sloped Soil At Top, Add</i>	5.11	
32 32 29 00-0043	LF	6" x 6" Post, 3' Spacing, 5' High 2" Planking, Cedar, Post And Board Retaining Walls.....	180.57	49.43
		<i>For >3:1 Sloped Soil At Top, Add</i>	6.95	
32 32 29 00-0044	LF	6" x 6" Post, 2' Spacing, 6' High 2" Planking, Cedar, Post And Board Retaining Walls.....	280.96	78.91
		<i>For >3:1 Sloped Soil At Top, Add</i>	10.46	
32 32 29 00-0045	LF	6 x 6 Post With Deadman, 3' Spacing, 6' High, 2" Planking, Cedar.....	222.67	60.64
		<i>For >3:1 Sloped Soil At Top, Add</i>	8.62	
32 32 29 00-0046	LF	8 x 8 Post With Deadman, 2' Spacing, 8' High, 2" Planking, Cedar.....	576.79	151.54
		<i>For >3:1 Sloped Soil At Top, Add</i>	23.27	
32 32 29 00-0047	LF	4 x 4 Post, 4' Spacing, 3' High 2" Planking, Pressure Treated.....	93.13	36.42
		<i>For >3:1 Sloped Soil At Top, Add</i>	1.72	
32 32 29 00-0048	LF	4 x 4 Post, 3' Spacing, 4' High 2" Planking, Pressure Treated.....	134.79	51.78
		<i>For >3:1 Sloped Soil At Top, Add</i>	2.65	
32 32 29 00-0049	LF	4 x 4 Post With Deadman, 2' Space, 5' High, 2" Planking, Pressure Treat.....	196.22	71.06
		<i>For >3:1 Sloped Soil At Top, Add</i>	4.60	
32 32 29 00-0050	LF	6 x 6 Post, 3' Spacing, 6' High, 2" Planking, Pressure Treated.....	345.27	119.93
		<i>For >3:1 Sloped Soil At Top, Add</i>	8.96	
32 32 29 00-0051	LF	6 x 6 Post, 2' Spacing, 7' High, 2" Planking, Pressure Treated.....	350.19	119.93
		<i>For >3:1 Sloped Soil At Top, Add</i>	9.37	
32 32 29 00-0052	LF	6 x 6 Post With Deadman, 3' Spacing 8' High, 2" Planking, Pressure Treat.....	328.97	115.22
		<i>For >3:1 Sloped Soil At Top, Add</i>	8.37	
32 32 29 00-0053	LF	8 x 8 Post With Deadman, 2' Spacing 10' High, 2" Planking, Pressure Treated.....	774.28	265.08
		<i>For >3:1 Sloped Soil At Top, Add</i>	20.76	
32 32 29 00-0054	LF	4 x 4 Post, 4' Spacing, 3' High Creosoted 2" Planking.....	93.13	36.42
		<i>For >3:1 Sloped Soil At Top, Add</i>	1.72	
32 32 29 00-0055	LF	4 x 4 Post, 3' Spacing, 4' High Creosoted, 2" Planking.....	134.79	51.78
		<i>For >3:1 Sloped Soil At Top, Add</i>	2.65	
32 32 29 00-0056	LF	4 x 4 Post With Deadman, 2' Spacing, 5' High, Creosoted, 2" Planking.....	196.22	71.06
		<i>For >3:1 Sloped Soil At Top, Add</i>	4.60	
32 32 29 00-0057	LF	6 x 6 Post, 3' Spacing, 6' High Creosoted, 2" Planking.....	246.71	88.44
		<i>For >3:1 Sloped Soil At Top, Add</i>	5.94	
32 32 29 00-0058	LF	6" x 6" Post, 2' Spacing, 7' High, 2" Planking, Creosoted, Post And Board Retaining Walls.....	345.27	119.93
		<i>For >3:1 Sloped Soil At Top, Add</i>	8.96	
32 32 29 00-0059	LF	6" x 6" Post With Deadman, 3' Spacing, 8' High, 2" Planking, Creosoted, Post And Board Retaining Walls.....	328.97	115.22
		<i>For >3:1 Sloped Soil At Top, Add</i>	8.37	
32 32 29 00-0060	LF	8" x 8" Post With Deadman, 2' Spacing, 10' High, Creosoted, 2" Planking, Post And Board Retaining Walls.....	774.28	265.08
		<i>For >3:1 Sloped Soil At Top, Add</i>	20.76	

32 32 29 00-0061 Wood Tie Retaining Walls, Rod Connector At 4' (32 32 29)

Note: The system includes all the elements that must go into a wall that resists lateral pressure. System elements include: wood ties, threaded rod (1/2" diameter), underdrain, and deadman where required. Excludes initial site grading, subbase preparation or finish grading.

32 32 29 00-0062 Redwood (32 32 29 00-0061)

32 32 29 00-0063	LF	2' High, 6" x 6" Wood Tie Wall.....	124.93	38.78
		<i>For >3:1 Sloped Soil At Top, Add</i>	4.02	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 29 00-0064	LF	4' High, 6" x 6" Wood Tie Wall Deadman At 6'.....	285.11	88.44	
		For >3:1 Sloped Soil At Top, Add	9.21		
32 32 29 00-0065	LF	6' High, 6" x 6" Wood Tie Wall Deadman At 6'.....	426.75	132.59	
		For >3:1 Sloped Soil At Top, Add	13.73		
32 32 29 00-0066	LF	4' High, 8" x 8" Wood Tie Wall Deadman At 6'.....	414.38	113.65	
		For >3:1 Sloped Soil At Top, Add	15.90		
32 32 29 00-0067	LF	6' High, 8" x 8" Wood Tie Wall Deadman At 6'.....	622.69	170.48	
		For >3:1 Sloped Soil At Top, Add	23.94		
32 32 29 00-0068	LF	8' High, 8" x 8" Wood Tie Wall Deadman At 6'.....	822.49	224.16	
		For >3:1 Sloped Soil At Top, Add	31.81		
32 32 29 00-0069 Cedar (32 32 29 00-0061)					
32 32 29 00-0070	LF	2' High, 6" x 6" Wood Tie Wall.....	122.96	38.78	
		For >3:1 Sloped Soil At Top, Add	3.85		
32 32 29 00-0071	LF	4' High, 6" x 6" Wood Tie Wall Deadman At 6'.....	279.20	88.44	
		For >3:1 Sloped Soil At Top, Add	8.70		
32 32 29 00-0072	LF	6' High, 6" x 6" Wood Tie Wall Deadman At 6'.....	418.87	132.59	
		For >3:1 Sloped Soil At Top, Add	13.06		
32 32 29 00-0073	LF	4' High, 8" x 8" Wood Tie Wall Deadman At 6'.....	400.60	113.65	
		For >3:1 Sloped Soil At Top, Add	14.73		
32 32 29 00-0074	LF	6' High, 8" x 8" Wood Tie Wall Deadman At 6'.....	602.99	170.48	
		For >3:1 Sloped Soil At Top, Add	22.26		
32 32 29 00-0075	LF	8' High, 8" x 8" Wood Tie Wall Deadman At 6'.....	794.91	224.16	
		For >3:1 Sloped Soil At Top, Add	29.46		
32 32 29 00-0076 Creosoted Wood (32 32 29 00-0061)					
32 32 29 00-0077	LF	2' High, 6" x 8" Wood Tie Wall.....	136.50	51.45	
		For >3:1 Sloped Soil At Top, Add	2.85		
32 32 29 00-0078	LF	4' High, 6" x 8" Wood Tie Wall Deadman At 6'.....	312.64	118.36	
		For >3:1 Sloped Soil At Top, Add	6.45		
32 32 29 00-0079	LF	6' High, 6" x 8" Wood Tie Wall Deadman At 6'.....	463.64	175.18	
		For >3:1 Sloped Soil At Top, Add	9.63		
32 32 29 00-0080	LF	4' High, 7" x 9" Wood Tie Wall Deadman At 6'.....	628.31	238.28	
		For >3:1 Sloped Soil At Top, Add	12.89		
32 32 29 00-0081	LF	6' High, 7" x 9" Wood Tie Wall Deadman At 6'.....	914.80	347.12	
		For >3:1 Sloped Soil At Top, Add	18.75		
32 32 29 00-0082	LF	8' High, 7" x 9" Wood Tie Wall Deadman At 6'.....	1,213.93	460.21	
		For >3:1 Sloped Soil At Top, Add	24.94		
32 32 29 00-0083 Pressure Treated Wood (32 32 29 00-0061)					
32 32 29 00-0084	LF	2' High, 6" x 6" Wood Tie Wall.....	108.51	32.05	
		For >3:1 Sloped Soil At Top, Add	3.77		
32 32 29 00-0085	LF	4' High, 6" x 6" Wood Tie Wall Deadman At 6'.....	246.66	72.63	
		For >3:1 Sloped Soil At Top, Add	8.62		
32 32 29 00-0086	LF	6' High, 6" x 6" Wood Tie Wall Deadman At 6'.....	369.48	108.94	
		For >3:1 Sloped Soil At Top, Add	12.89		
32 32 29 00-0087	LF	4' High, 8" x 8" Wood Tie Wall Deadman At 6'.....	400.79	131.02	
		For >3:1 Sloped Soil At Top, Add	11.80		
32 32 29 00-0088	LF	6' High, 8" x 8" Wood Tie Wall Deadman At 6'.....	602.26	195.81	
		For >3:1 Sloped Soil At Top, Add	17.91		
32 32 29 00-0089	LF	8' High, 8" x 8" Wood Tie Wall Deadman At 6'.....	798.37	260.37	
		For >3:1 Sloped Soil At Top, Add	23.60		
32 32 53 Stone Retaining Walls (32 32)					
32 32 53 00-0001 Stone Retaining Walls (32 32 53)					
Note: Construction is either dry set or mortar set. System includes concrete base, crushed stone, underdrain, and backfill. Standard design to have 12" thick top with vertical backside and sloped face at 2" per foot of height. Excludes initial site grading, subbase preparation or finish grading.					
32 32 53 00-0002 Stone Retaining Walls (32 32 53 00-0001)					
Note: Stone at \$16.00/ton.					
32 32 53 00-0003	LF	\$16.00/ton 3' High Stone Retaining Wall, Dry Set.....	505.70	226.61	
		For >3:1 Sloped Soil At Top, Add	4.45		
32 32 53 00-0004	LF	\$16.00/ton 4' High Stone Retaining Wall, Dry Set.....	596.52	269.60	
		For >3:1 Sloped Soil At Top, Add	4.87		
32 32 53 00-0005	LF	\$16.00/ton 6' High Stone Retaining Wall, Dry Set.....	783.36	358.19	
		For >3:1 Sloped Soil At Top, Add	5.70		
32 32 53 00-0006	LF	\$16.00/ton 8' High Stone Retaining Wall, Dry Set.....	1,206.64	560.03	
		For >3:1 Sloped Soil At Top, Add	7.35		
32 32 53 00-0007	LF	\$16.00/ton 10' High Stone Retaining Wall, Dry Set.....	1,567.58	732.59	
		For >3:1 Sloped Soil At Top, Add	8.70		
32 32 53 00-0008	LF	\$16.00/ton 12' High Stone Retaining Wall, Dry Set.....	1,945.25	912.29	
		For >3:1 Sloped Soil At Top, Add	10.25		
32 32 53 00-0009	LF	\$16.00/ton 3' High Stone Retaining Wall, Mortar Set.....	453.65	200.64	
		For >3:1 Sloped Soil At Top, Add	4.45		
32 32 53 00-0010	LF	\$16.00/ton 4' High Stone Retaining Wall, Mortar Set.....	532.09	237.39	
		For >3:1 Sloped Soil At Top, Add	4.87		
32 32 53 00-0011	LF	\$16.00/ton 6' High Stone Retaining Wall, Mortar Set.....	688.25	310.57	
		For >3:1 Sloped Soil At Top, Add	5.70		
32 32 53 00-0012	LF	\$16.00/ton 8' High Stone Retaining Wall, Mortar Set.....	1,053.57	483.52	
		For >3:1 Sloped Soil At Top, Add	7.35		
32 32 53 00-0013	LF	\$16.00/ton 10' High Stone Retaining Wall, Mortar Set.....	1,352.85	625.27	
		For >3:1 Sloped Soil At Top, Add	8.70		

32 Exterior Improvements**32 30 Site Improvements****32 32 Retaining Walls**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 32 53 00-0014	LF	\$16.00/ton 12' High Stone Retaining Wall, Mortar Set.....	1,680.39	779.90
		<i>For >3:1 Sloped Soil At Top, Add</i>	10.25	

32 32 53 00-0015 Stone Retaining Walls (32 32 53 00-0001)
 Note: Stone at \$32.00/ton.

32 32 53 00-0016	LF	\$32.00/ton 3' High Stone Retaining Wall, Dry Set.....	521.54	226.61
		<i>For >3:1 Sloped Soil At Top, Add</i>	5.80	
32 32 53 00-0017	LF	\$32.00/ton 4' High Stone Retaining Wall, Dry Set.....	618.45	269.60
		<i>For >3:1 Sloped Soil At Top, Add</i>	6.73	
32 32 53 00-0018	LF	\$32.00/ton 6' High Stone Retaining Wall, Dry Set.....	815.04	358.19
		<i>For >3:1 Sloped Soil At Top, Add</i>	8.39	
32 32 53 00-0019	LF	\$32.00/ton 8' High Stone Retaining Wall, Dry Set.....	1,252.94	560.03
		<i>For >3:1 Sloped Soil At Top, Add</i>	11.29	
32 32 53 00-0020	LF	\$32.00/ton 10' High Stone Retaining Wall, Dry Set.....	1,630.94	732.59
		<i>For >3:1 Sloped Soil At Top, Add</i>	14.09	
32 32 53 00-0021	LF	\$32.00/ton 12' High Stone Retaining Wall, Dry Set.....	2,025.67	912.29
		<i>For >3:1 Sloped Soil At Top, Add</i>	17.09	
32 32 53 00-0022	LF	\$32.00/ton 3' High Stone Retaining Wall, Mortar Set.....	469.49	200.64
		<i>For >3:1 Sloped Soil At Top, Add</i>	5.80	
32 32 53 00-0023	LF	\$32.00/ton 4' High Stone Retaining Wall, Mortar Set.....	554.02	237.39
		<i>For >3:1 Sloped Soil At Top, Add</i>	6.73	
32 32 53 00-0024	LF	\$32.00/ton 6' High Stone Retaining Wall, Mortar Set.....	719.93	310.57
		<i>For >3:1 Sloped Soil At Top, Add</i>	8.39	
32 32 53 00-0025	LF	\$32.00/ton 8' High Stone Retaining Wall, Mortar Set.....	1,099.87	483.52
		<i>For >3:1 Sloped Soil At Top, Add</i>	11.29	
32 32 53 00-0026	LF	\$32.00/ton 10' High Stone Retaining Wall, Mortar Set.....	1,416.21	625.27
		<i>For >3:1 Sloped Soil At Top, Add</i>	14.09	
32 32 53 00-0027	LF	\$32.00/ton 12' High Stone Retaining Wall, Mortar Set.....	1,760.81	779.90
		<i>For >3:1 Sloped Soil At Top, Add</i>	17.09	

32 32 53 00-0028 Stone Retaining Walls (32 32 53 00-0001)
 Note: Stone at \$48.00/ton.

32 32 53 00-0029	LF	\$48.00/ton 3' High Stone Retaining Wall, Dry Set.....	538.60	226.61
		<i>For >3:1 Sloped Soil At Top, Add</i>	7.25	
32 32 53 00-0030	LF	\$48.00/ton 4' High Stone Retaining Wall, Dry Set.....	640.14	269.60
		<i>For >3:1 Sloped Soil At Top, Add</i>	8.58	
32 32 53 00-0031	LF	\$48.00/ton 6' High Stone Retaining Wall, Dry Set.....	845.50	358.19
		<i>For >3:1 Sloped Soil At Top, Add</i>	10.98	
32 32 53 00-0032	LF	\$48.00/ton 8' High Stone Retaining Wall, Dry Set.....	1,299.24	560.03
		<i>For >3:1 Sloped Soil At Top, Add</i>	15.22	
32 32 53 00-0033	LF	\$48.00/ton 10' High Stone Retaining Wall, Dry Set.....	1,694.30	732.59
		<i>For >3:1 Sloped Soil At Top, Add</i>	19.47	
32 32 53 00-0034	LF	\$48.00/ton 12' High Stone Retaining Wall, Dry Set.....	2,107.30	912.29
		<i>For >3:1 Sloped Soil At Top, Add</i>	24.03	
32 32 53 00-0035	LF	\$48.00/ton 3' High Stone Retaining Wall, Mortar Set.....	486.55	200.64
		<i>For >3:1 Sloped Soil At Top, Add</i>	7.25	
32 32 53 00-0036	LF	\$48.00/ton 4' High Stone Retaining Wall, Mortar Set.....	575.95	237.39
		<i>For >3:1 Sloped Soil At Top, Add</i>	8.60	
32 32 53 00-0037	LF	\$48.00/ton 6' High Stone Retaining Wall, Mortar Set.....	750.39	310.57
		<i>For >3:1 Sloped Soil At Top, Add</i>	10.98	
32 32 53 00-0038	LF	\$48.00/ton 8' High Stone Retaining Wall, Mortar Set.....	1,146.17	483.52
		<i>For >3:1 Sloped Soil At Top, Add</i>	15.22	
32 32 53 00-0039	LF	\$48.00/ton 10' High Stone Retaining Wall, Mortar Set.....	1,479.57	625.27
		<i>For >3:1 Sloped Soil At Top, Add</i>	19.47	
32 32 53 00-0040	LF	\$48.00/ton 12' High Stone Retaining Wall, Mortar Set.....	1,842.44	779.90
		<i>For >3:1 Sloped Soil At Top, Add</i>	24.03	

32 32 53 00-0041 Stone Retaining Walls (32 32 53 00-0001)
 Note: Stone at \$64.00/ton.

32 32 53 00-0042	LF	\$64.00/ton 3' High Stone Retaining Wall, Dry Set.....	555.66	226.61
		<i>For >3:1 Sloped Soil At Top, Add</i>	8.70	
32 32 53 00-0043	LF	\$64.00/ton 4' High Stone Retaining Wall, Dry Set.....	637.95	269.60
		<i>For >3:1 Sloped Soil At Top, Add</i>	8.39	
32 32 53 00-0044	LF	\$64.00/ton 6' High Stone Retaining Wall, Dry Set.....	878.39	358.19
		<i>For >3:1 Sloped Soil At Top, Add</i>	13.77	
32 32 53 00-0045	LF	\$64.00/ton 8' High Stone Retaining Wall, Dry Set.....	1,347.98	560.03
		<i>For >3:1 Sloped Soil At Top, Add</i>	19.37	
32 32 53 00-0046	LF	\$64.00/ton 10' High Stone Retaining Wall, Dry Set.....	1,760.10	732.59
		<i>For >3:1 Sloped Soil At Top, Add</i>	25.06	
32 32 53 00-0047	LF	\$64.00/ton 12' High Stone Retaining Wall, Dry Set.....	2,190.16	912.29
		<i>For >3:1 Sloped Soil At Top, Add</i>	31.07	
32 32 53 00-0048	LF	\$64.00/ton 3' High Stone Retaining Wall, Mortar Set.....	503.61	200.64
		<i>For >3:1 Sloped Soil At Top, Add</i>	8.70	
32 32 53 00-0049	LF	\$64.00/ton 4' High Stone Retaining Wall, Mortar Set.....	597.88	237.39
		<i>For >3:1 Sloped Soil At Top, Add</i>	10.46	
32 32 53 00-0050	LF	\$64.00/ton 6' High Stone Retaining Wall, Mortar Set.....	783.28	310.57
		<i>For >3:1 Sloped Soil At Top, Add</i>	13.77	
32 32 53 00-0051	LF	\$64.00/ton 8' High Stone Retaining Wall, Mortar Set.....	1,194.91	483.52
		<i>For >3:1 Sloped Soil At Top, Add</i>	19.37	
32 32 53 00-0052	LF	\$64.00/ton 10' High Stone Retaining Wall, Mortar Set.....	1,545.37	625.27
		<i>For >3:1 Sloped Soil At Top, Add</i>	25.06	
32 32 53 00-0053	LF	\$64.00/ton 12' High Stone Retaining Wall, Mortar Set.....	1,925.30	779.90
		<i>For >3:1 Sloped Soil At Top, Add</i>	31.07	

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 33 Site Furnishings (32 30)

32 33 13 Site Bicycle Racks (32 33)

32 33 13 00-0001		Bicycle Organizer And Rack (32 33 13)		
32 33 13 00-0002		Vertical Style Bike Racks Single/Double Sided, Galvanized (32 33 13 00-0001)		
32 33 13 00-0003		Double Sided (32 33 13 00-0002)		
32 33 13 00-0004	EA	5' Galvanized Steel Double Sided Bike Rack, 9 Bikes.....	784.11	126.23
32 33 13 00-0005	EA	10' Galvanized Steel Double Sided Bike Rack, 18 Bikes.....	1,179.81	207.38
32 33 13 00-0006	EA	20' Galvanized Steel Double Sided Bike Rack, 36 Bikes.....	2,039.18	315.58
32 33 13 00-0007		Single Sided (32 33 13 00-0002)		
32 33 13 00-0008	EA	5' Galvanized Steel Single Sided Bike Rack, 5 Bikes.....	686.14	112.71
32 33 13 00-0009	EA	10' Galvanized Steel Single Sided Bike Rack, 9 Bikes.....	966.53	187.55
32 33 13 00-0010	EA	20' Galvanized Steel Single Sided Bike Rack, 18 Bikes.....	1,661.86	281.77
32 33 13 00-0011		Anchor Set For Vertical Style Bike Rack (32 33 13 00-0002)		
32 33 13 00-0012	PR	Anchor Set For Vertical Style Bike Rack..... Note: Anchoring frame to ground.	127.60	
32 33 13 00-0013		Bike Racks Ground Loop (32 33 13 00-0001)		
		Note: In-ground mount.		
32 33 13 00-0014	EA	83" Ground Loop Bike Rack, Surface Or Wall Mounted, 12 Bikes.....	1,022.28	221.18
32 33 13 00-0015		Serpentine Bike Racks (32 33 13 00-0001)		
		Note: In-ground mount.		
32 33 13 00-0016		Galvanized, 36" High, 2-3/8" OD Tubing (32 33 13 00-0015)		
32 33 13 00-0017	EA	1' x 3' High Serpentine (M Style) Bike Rack, 3 Bikes, Galvanized.....	561.57	135.25
32 33 13 00-0018	EA	3' x 3' High Serpentine (M Style) Bike Rack, 5 Bikes, Galvanized.....	771.03	146.52
32 33 13 00-0019	EA	5' x 3' High Serpentine (M Style) Bike Rack, 7 Bikes, Galvanized.....	980.50	157.80
32 33 13 00-0020	EA	7' x 3' High Serpentine (M Style) Bike Rack, 9 Bikes, Galvanized.....	1,216.67	169.06
32 33 13 00-0021	EA	9' x 3' High Serpentine (M Style) Bike Rack, 11 Bikes, Galvanized.....	1,452.85	180.33
32 33 13 00-0022	EA	11' x 3' High Serpentine (M Style) Bike Rack, 13 Bikes, Galvanized.....	1,582.20	191.61
32 33 13 00-0023		Galvanized, 42" High, 2-3/8" OD Tubing (32 33 13 00-0015)		
32 33 13 00-0024	EA	1' x 42" High Serpentine Bike Rack, 3 Bikes, Galvanized.....	639.86	135.25
32 33 13 00-0025	EA	3' x 42" High Serpentine Bike Rack, 5 Bikes, Galvanized.....	827.48	146.52
32 33 13 00-0026	EA	5' x 42" High Serpentine Bike Rack, 7 Bikes, Galvanized.....	1,015.09	157.80
32 33 13 00-0027	EA	7' x 42" High Serpentine Bike Rack, 9 Bikes, Galvanized.....	1,182.08	169.06
32 33 13 00-0028	EA	9' x 42" High Serpentine Bike Rack, 11 Bikes, Galvanized.....	1,369.70	180.33
32 33 13 00-0029	EA	11' x 42" High Serpentine Bike Rack, 13 Bikes, Galvanized.....	1,598.59	191.61
32 33 13 00-0030	EA	13' x 42" High Serpentine Bike Rack, 15 Bikes, Galvanized.....	1,889.38	225.42
32 33 13 00-0031	EA	15' x 42" High Serpentine Bike Rack, 17 Bikes, Galvanized.....	2,200.80	214.15
32 33 13 00-0032	EA	17' x 42" High Serpentine Bike Rack, 19 Bikes, Galvanized.....	2,491.59	225.42
32 33 13 00-0033		Powder Coated, 36" High, 2-3/8" OD Tubing (32 33 13 00-0015)		
32 33 13 00-0034	EA	1' x 3' High Serpentine (M Style) Bike Rack, 3 Bikes, Powder Coated.....	561.57	135.25
32 33 13 00-0035	EA	3' x 3' High Serpentine (M Style) Bike Rack, 5 Bikes, Powder Coated.....	771.03	146.52
32 33 13 00-0036	EA	5' x 3' High Serpentine (M Style) Bike Rack, 7 Bikes, Powder Coated.....	980.50	157.80
32 33 13 00-0037	EA	7' x 3' High Serpentine (M Style) Bike Rack, 9 Bikes, Powder Coated.....	1,216.67	169.06
32 33 13 00-0038	EA	9' x 3' High Serpentine (M Style) Bike Rack, 11 Bikes, Powder Coated.....	1,452.85	180.33
32 33 13 00-0039	EA	11' x 3' High Serpentine (M Style) Bike Rack, 13 Bikes, Powder Coated.....	1,582.20	191.61
32 33 13 00-0040		Powder Coated, 42" High, 2-3/8" OD Tubing (32 33 13 00-0015)		
32 33 13 00-0041	EA	1' x 42" High Serpentine Bike Rack, 3 Bikes, Powder Coated.....	660.49	135.25
32 33 13 00-0042	EA	3' x 42" High Serpentine Bike Rack, 5 Bikes, Powder Coated.....	868.75	146.52
32 33 13 00-0043	EA	5' x 42" High Serpentine Bike Rack, 7 Bikes, Powder Coated.....	1,056.36	157.80
32 33 13 00-0044	EA	7' x 42" High Serpentine Bike Rack, 9 Bikes, Powder Coated.....	1,285.25	169.06
32 33 13 00-0045	EA	9' x 42" High Serpentine Bike Rack, 11 Bikes, Powder Coated.....	1,472.87	180.33
32 33 13 00-0046	EA	11' x 42" High Serpentine Bike Rack, 13 Bikes, Powder Coated.....	1,722.40	191.61
32 33 13 00-0047	EA	13' x 42" High Serpentine Bike Rack, 15 Bikes, Powder Coated.....	2,054.45	225.42
32 33 13 00-0048	EA	15' x 42" High Serpentine Bike Rack, 17 Bikes, Powder Coated.....	2,386.51	214.15
32 33 13 00-0049	EA	17' x 42" High Serpentine Bike Rack, 19 Bikes, Powder Coated.....	2,697.94	225.42
32 33 13 00-0050		Stainless Steel, 36" High, 2-3/8" OD Tubing (32 33 13 00-0015)		
32 33 13 00-0051	EA	1' x 36" High Serpentine Bike Rack, 3 Bikes, Stainless Steel.....	1,087.61	135.25
32 33 13 00-0052	EA	3' x 36" High Serpentine Bike Rack, 5 Bikes, Stainless Steel.....	1,634.87	146.52
32 33 13 00-0053	EA	5' x 36" High Serpentine Bike Rack, 7 Bikes, Stainless Steel.....	2,182.16	157.80
32 33 13 00-0054	EA	7' x 36" High Serpentine Bike Rack, 9 Bikes, Stainless Steel.....	2,804.42	169.06
32 33 13 00-0055	EA	9' x 36" High Serpentine Bike Rack, 11 Bikes, Stainless Steel.....	3,426.66	180.33
32 33 13 00-0056	EA	11' x 36" High Serpentine Bike Rack, 13 Bikes, Stainless Steel.....	3,749.05	191.61
32 33 13 00-0057		Stainless Steel, 42" High, 2-3/8" OD Tubing (32 33 13 00-0015)		

32 Exterior Improvements**32 30 Site Improvements****32 33 Site Furnishings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 33 13 00-0058	EA	1' x 42" High Serpentine Bike Rack, 3 Bikes, Stainless Steel	846.21	135.25
32 33 13 00-0059	EA	3' x 42" High Serpentine Bike Rack, 5 Bikes, Stainless Steel	1,900.48	146.52
32 33 13 00-0060	EA	5' x 42" High Serpentine Bike Rack, 7 Bikes, Stainless Steel	2,500.78	157.80
32 33 13 00-0061	EA	7' x 42" High Serpentine Bike Rack, 9 Bikes, Stainless Steel	3,059.82	169.06
32 33 13 00-0062	EA	9' x 42" High Serpentine Bike Rack, 11 Bikes, Stainless Steel	3,639.51	180.33
32 33 13 00-0063	EA	11' x 42" High Serpentine Bike Rack, 13 Bikes, Stainless Steel	4,239.82	191.61
32 33 13 00-0064	EA	13' x 42" High Serpentine Bike Rack, 15 Bikes, Stainless Steel	4,757.59	225.42
32 33 13 00-0065	EA	15' x 42" High Serpentine Bike Rack, 17 Bikes, Stainless Steel	5,481.70	214.15
32 33 13 00-0066	EA	17' x 42" High Serpentine Bike Rack, 19 Bikes, Stainless Steel	6,185.19	225.42

32 33 13 00-0067 Bike Racks Bollards/Bicycle Posts (32 33 13 00-0001)

Note: In-ground mount.

32 33 13 00-0068	EA	43" Overall Height, 4-1/2" Outside Diameter Bollard/Bicycle Post, 2 Loop Galvanized Steel Bollard (Belson BOL450-2R-IG-G).....	646.51	101.44
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32 33 23 Site Trash and Litter Receptacles (32 33)**32 33 23 00-0001 Steel Trash Containment (32 33 23)****32 33 23 00-0002 Steel Frame Surrounded With Kiln-Dried Wood (32 33 23 00-0001)**

32 33 23 00-0003	EA	13" x 13" x 30" Ash Receptacle Steel Frame, Kiln Dried Wood	557.23	53.84
32 33 23 00-0004	EA	24" x 24" x 30" High Open Top Trash Container Steel Frame, Kiln Dried Wood	531.49	53.84
32 33 23 00-0005	EA	21" x 21" x 31" High Flat Top Trash Container Steel Frame, Kiln Dried Wood	531.49	53.84
32 33 23 00-0006	EA	24" x 24" x 31" High, Flat Top Trash Container Steel Frame, Kiln Dried Wood	502.53	53.84
32 33 23 00-0007	EA	18" x 18" x 37" High Dome Top Trash Container Steel Frame, Kiln Dried Wood.....	557.23	53.84
32 33 23 00-0008	EA	23" x 23" x 37" High Dome Top Trash Container Steel Frame, Kiln Dried Wood.....	502.53	53.84
32 33 23 00-0009	EA	24" x 24" x 37" High Dome Top Trash Container Steel Frame, Kiln Dried Wood.....	692.36	53.84

32 33 23 00-0010 Square Steel Frames Surrounded With Flat Steel (32 33 23 00-0001)

32 33 23 00-0011	EA	26" Diameter x 34" High Open Top Trash Square Container Steel Frame, Flat Steel Surround	1,016.15	53.84
32 33 23 00-0012	EA	26" Diameter x 34" High Dome Top Trash Square Container Steel Frame, Flat Steel Surround.....	1,097.91	53.84
32 33 23 00-0013	EA	26" Diameter x 39" High Dome Top Trash Square Container Steel Frame, Flat Steel Surround.....	1,097.91	53.84

32 33 23 00-0014 Round Steel Pipe And Flat Steel Frames (32 33 23 00-0001)

Note: Surrounded with kiln-dried wood.

32 33 23 00-0015	EA	21" Diameter x 32" High Open Top Trash Container Steel Pipe, Flat Steel Frame, Kiln Dried Wood.....	1,506.74	53.84
32 33 23 00-0016	EA	21" Diameter x 32" High Flat Top Trash Steel Container Pipe, Flat Steel Frame, Kiln Dried Wood	1,623.55	53.84
32 33 23 00-0017	EA	21" Diameter x 39" High Dome Top Trash Steel Container Pipe, Flat Steel Frame, Kiln Dried Wood.....	1,871.77	53.84
32 33 23 00-0018	EA	21" Diameter x 40" High HPR Top Trash Container Steel Pipe, Flat Steel Frame, Kiln Dried Wood.....	1,696.55	53.84

32 33 23 00-0019 Round Steel Pipe Surrounded With Perforated (32 33 23 00-0001)

32 33 23 00-0020	EA	21" Diameter x 32" High Open Top Trash Container Perforated Round Steel Pipe.....	1,346.13	53.84
32 33 23 00-0021	EA	21" Diameter x 32" High Flat Top Trash Container Perforated Round Steel Pipe	1,462.94	53.84
32 33 23 00-0022	EA	21" Diameter x 39" High Dome Top Trash Container Perforated Round Steel Pipe	1,711.15	53.84
32 33 23 00-0023	EA	21" Diameter x 40" High HPR Top Trash Container Perforated Round Steel Pipe.....	1,550.54	53.84

32 33 23 00-0024 Round Steel Pipe Frames Surrounded With Welded Wire (32 33 23 00-0001)

32 33 23 00-0025	EA	21" Diameter x 32" High Flat Top Trash Container Steel Pipe Frame, Welded Wire Surround	1,068.71	53.84
32 33 23 00-0026	EA	21" Diameter x 32" High Open Top Trash Steel Container Pipe Frame, Welded Wire Surround	1,185.52	53.84
32 33 23 00-0027	EA	21" Diameter x 39" High Dome Top Trash Steel Container Pipe Frame, Welded Wire Surround.....	1,433.74	53.84
32 33 23 00-0028	EA	21" Diameter x 40" High HPR Top Trash Container Steel Pipe Frame, Welded Wire Surround.....	1,273.13	53.84

32 33 23 00-0029 Litter Baskets (32 33 23)**32 33 23 00-0030 Round Wire Litter Baskets (32 33 23 00-0029)**

32 33 23 00-0031	EA	1.33' Diameter x 1.83' High Round Wire Litter Basket	189.42	5.47
32 33 23 00-0032	EA	1.5' Diameter x 1.83' High Round Wire Litter Basket	239.38	5.47
32 33 23 00-0033	EA	1.75' Diameter x 2.33' High Round Wire Litter Basket	324.17	5.47
32 33 23 00-0034	EA	1.83' Diameter x 2.83' High Round Wire Litter Basket	372.01	5.47

32 33 23 00-0035 Trash Can/Wire Basket Holder (32 33 23 00-0029)

32 33 23 00-0036	EA	Steel Post, Single Holder	265.26	43.97
32 33 23 00-0037	EA	Steel Post, Double Holder.....	360.88	43.97
32 33 23 00-0038	EA	Redwood Post, Single Holder	146.91	43.97
32 33 23 00-0039	EA	Redwood Post, Double Holder.....	171.62	43.97

32 33 23 00-0040 Litter Receptacles, Freestanding (32 33 23 00-0029)
 Note: Includes 1-1/2" outside diameter steel leg supports. Wall mounted, includes 3/8" x 3" steel wall plates.
 Surface mounted, includes 2-1/2" outside diameter steel tube with floor flange, embedded to include 2-1/2"
 outside diameter steel tube.

32 33 23 00-0041	EA	16" Diameter x 28" High Litter Receptacle, Freestanding Or Embedded.....	1,524.90	22.44
		For Powder Coated Sand Pan, Add	50.00	
		For Orange Peel Lid, Add	25.00	
		For Polished Granite Lid, Add	50.00	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 23 00-0042	EA	16" Diameter x 32" High Litter Receptacle, Freestanding Or Embedded..... For Powder Coated Sand Pan, Add For Orange Peel Lid, Add For Polished Granite Lid, Add	1,605.34 50.00 25.00 50.00	22.44
32 33 23 00-0043	EA	20" Diameter x 36" High Litter Receptacle, Freestanding Or Embedded..... For Powder Coated Sand Pan, Add For Orange Peel Lid, Add For Polished Granite Lid, Add	1,869.08 50.00 25.00 50.00	33.64
32 33 23 00-0044	EA	20" Diameter x 40" High Litter Receptacle, Freestanding Embedded..... For Powder Coated Sand Pan, Add For Orange Peel Lid, Add For Polished Granite Lid, Add	1,949.52 50.00 25.00 50.00	33.64
32 33 23 00-0045	EA	16" Diameter x 28" High Litter Receptacle, Pole Mount With Pole For Powder Coated Sand Pan, Add For 1-1/2" x 8-1/2" Diameter Metal Cover Plate, Add For Orange Peel Lid, Add For Polished Granite Lid, Add	2,029.96 50.00 22.50 25.00 50.00	33.64
32 33 23 00-0046	EA	16" Diameter x 32" High Litter Receptacle, Pole Mount With Pole For Powder Coated Sand Pan, Add For 1-1/2" x 8-1/2" Diameter Metal Cover Plate, Add For Orange Peel Lid, Add For Polished Granite Lid, Add	2,110.40 50.00 22.50 25.00 50.00	33.64
32 33 23 00-0047	EA	16" Diameter x 28" High Litter Receptacle, Wall Mount..... For Powder Coated Sand Pan, Add For Orange Peel Lid, Add For Polished Granite Lid, Add For 1-1/2" x 6" Diameter Metal Cover Plate, Add	1,683.15 50.00 25.00 50.00 20.00	29.16
32 33 23 00-0048	EA	16" Diameter x 32" High Litter Receptacle, Wall Mount..... For Powder Coated Sand Pan, Add For Orange Peel Lid, Add For Polished Granite Lid, Add For 1-1/2" x 6" Diameter Metal Cover Plate, Add	1,763.59 50.00 25.00 50.00 20.00	29.16
32 33 23 00-0049 Ash Receptacles (32 33 23)				
32 33 23 00-0050	EA	12" Diameter x 21" High Ash Receptacle, Freestanding Or Embedded For 1-1/2" x 8-1/2" Diameter Metal Cover Plate, Add For Sand Pan, Add For Bowl And Funnel, Add	570.55 22.50 110.00 120.00	22.44
32 33 23 00-0051	EA	18" Square Concrete Exposed Aggregate x 36" High Ash Receptacles With 3-1/2" ID iron Pipe With Cap Square Concrete With Steel Liner.....	244.66	22.44
32 33 23 00-0052	EA	16" Square x 24" High, Palm Ash Urn, Custom Color "Paseo Oak". Quick Crete Products: Palm Series QS-PS 1624	318.87	22.44
32 33 23 00-0053 Trash Receptacles (32 33 23)				
32 33 23 00-0054	EA	Outdoor Covered Steel Receptacle With Liner	1,251.42	22.44
32 33 23 00-0055	EA	Driftwood And Sable Receptacle, 35 Gallon With Liner And Frame	483.81	22.44
32 33 23 00-0056	EA	24" x 24" Square Trash Containment With Exposed Aggregate Finish	615.29	22.44
32 33 23 00-0057	EA	30" x 30" Square Trash Containment With Exposed Aggregate Finish	642.15	24.67
32 33 23 00-0058	EA	36" x 36" Square Trash Containment With Exposed Aggregate Finish	691.37	26.92
32 33 23 00-0059	EA	32 Gallon, Open Round Trash Receptacle, Recycled Plastic Lumber	497.11	17.94
32 33 23 00-0060	EA	32 Gallon, Round Trash Receptacle With Liner And Lid, Recycled Plastic Lumber	593.20	17.94
32 33 23 00-0061	EA	24" x 24" Square 18" High Trash Receptacle, Fiberglass.....	1,173.22	22.44
32 33 23 00-0062	EA	25" Square x 32" High Trash Receptacle; Palm Series QS-PS 2532-D, Style D Lid Brown Color, Round Plastic Liners QPL-30-B, Custom Color "Paseo Oak". Quick Crete Products.....	694.09	24.67
32 33 23 00-0063 Trash Containers (Dumpsters) (32 33 23)				
32 33 23 00-0064	EA	1 CY Straight Side Trash Dumpster.....	311.21	
32 33 23 00-0065	EA	1.5 CY Straight Side Trash Dumpster.....	466.82	
32 33 23 00-0066	EA	2 CY Straight Side Trash Dumpster.....	622.43	
32 33 23 00-0067	EA	2 CY Sloped Side Trash Dumpster.....	622.43	
32 33 23 00-0068	EA	3 CY Sloped Side Trash Dumpster.....	933.64	
32 33 23 00-0069	EA	4 CY Sloped Side Trash Dumpster.....	1,244.85	
32 33 23 00-0070	EA	6 CY Sloped Side Trash Dumpster.....	1,867.28	
32 33 23 00-0071	EA	8 CY Sloped Side Trash Dumpster.....	2,489.71	
32 33 33 Site Manufactured Planters (32 33)				
32 33 33 00-0001 Precast Concrete Planters (32 33 33)				
32 33 33 00-0002 Circular Precast Concrete Planters (32 33 33 00-0001)				
32 33 33 00-0003	EA	24" Diameter, 17" Height, Circular Precast Concrete Planter	763.29	27.73
32 33 33 00-0004	EA	24" Diameter, 24" Height, Circular Precast Concrete Planter	854.87	33.28
32 33 33 00-0005	EA	24" Diameter, 33" Height, Circular Precast Concrete Planter	935.36	33.28
32 33 33 00-0006	EA	30" Diameter, 17" Height, Circular Precast Concrete Planter	1,015.11	38.83
32 33 33 00-0007	EA	30" Diameter, 30" Height, Circular Precast Concrete Planter	1,229.04	49.92
32 33 33 00-0008	EA	36" Diameter, 24" Height, Circular Precast Concrete Planter	1,337.94	49.92
32 33 33 00-0009	EA	36" Diameter, 30" Height, Circular Precast Concrete Planter	1,507.64	55.47
32 33 33 00-0010	EA	48" Diameter, 17" Height, Circular Precast Concrete Planter	1,592.86	55.47
32 33 33 00-0011	EA	48" Diameter, 24" Height, Circular Precast Concrete Planter	1,774.48	69.33
32 33 33 00-0012	EA	48" Diameter, 30" Height, Circular Precast Concrete Planter	1,887.51	73.77
32 33 33 00-0013	EA	48" Diameter, 36" Height, Circular Precast Concrete Planter	1,966.29	77.66
32 33 33 00-0014	EA	60" Diameter, 17" Height, Circular Precast Concrete Planter	1,785.49	69.33
32 33 33 00-0015	EA	60" Diameter, 24" Height, Circular Precast Concrete Planter	1,963.92	77.66
32 33 33 00-0016	EA	60" Diameter, 36" Height, Circular Precast Concrete Planter	2,517.13	83.20

32 Exterior Improvements**32 30 Site Improvements****32 33 Site Furnishings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 33 33 00-0017	EA	72" Diameter, 36" Height, Circular Precast Concrete Planter	3,266.96	105.39
32 33 33 00-0018	EA	84" Diameter, 36" Height, Circular Precast Concrete Planter	3,796.50	110.93
32 33 33 00-0019 Square Precast Concrete Planters (32 33 33 00-0001)				
32 33 33 00-0020	EA	36" Square, 30" Height, Square Precast Concrete Planter	1,537.83	72.10
32 33 33 00-0021	EA	42" Square, 30" Height, Square Precast Concrete Planter	1,760.95	77.66
32 33 33 00-0022	EA	60" Square, 36" Height, Square Precast Concrete Planter	2,783.90	88.74
32 33 33 00-0023	EA	72" Square, 36" Height, Square Precast Concrete Planter	2,970.17	94.30
32 33 33 00-0024 Rectangular Precast Concrete Planters (32 33 33 00-0001)				
32 33 33 00-0025	EA	33" x 18", 20" Height, Rectangular Precast Concrete Planter	890.38	33.28
32 33 33 00-0026	EA	48" x 18", 20" Height, Rectangular Precast Concrete Planter	1,044.39	49.92
32 33 33 00-0027	EA	60" x 18", 20" Height, Rectangular Precast Concrete Planter	1,211.73	55.47
32 33 33 00-0028	EA	72" x 18", 20" Height, Rectangular Precast Concrete Planter	1,379.14	69.33
32 33 33 00-0029 Fiberglass Planters (32 33 33)				
32 33 33 00-0030 Circular Fiberglass Planters (32 33 33 00-0029)				
32 33 33 00-0031	EA	36" Diameter, 27" High, Circular Fiberglass Planter	2,080.79	27.73
32 33 33 00-0032	EA	60" Diameter, 39" High, Circular Fiberglass Planter	3,476.60	27.73
32 33 33 00-0033	EA	36" Diameter, 24" High, Circular Fiberglass Planter	1,380.39	27.73
32 33 33 00-0034	EA	60" Diameter, 24" High, Circular Fiberglass Planter	2,740.78	27.73
32 33 33 00-0035 Tapered Circular Fiberglass Planters (32 33 33 00-0029)				
32 33 33 00-0036	EA	24" Diameter, 20" High, Tapered Circular Fiberglass Planter	796.98	27.73
32 33 33 00-0037	EA	30" Diameter, 25" High, Tapered Circular Fiberglass Planter	1,178.08	27.73
32 33 33 00-0038	EA	36" Diameter, 30" High, Tapered Circular Fiberglass Planter	2,116.21	27.73
32 33 33 00-0039	EA	40" Diameter, 36" High, Tapered Circular Fiberglass Planter	2,963.31	27.73
32 33 33 00-0040 Square Fiberglass Planters (32 33 33 00-0029)				
32 33 33 00-0041	EA	24" Square, 21" High, Square Fiberglass Planter	1,053.06	27.73
32 33 33 00-0042	EA	24" Square, 24" High, Square Fiberglass Planter	1,076.94	27.73
32 33 33 00-0043	EA	30" Square, 12" High, Square Fiberglass Planter	1,089.57	27.73
32 33 33 00-0044	EA	30" Square, 21" High, Square Fiberglass Planter	1,238.78	27.73
32 33 33 00-0045	EA	30" Square, 24" High, Square Fiberglass Planter	1,347.49	27.73
32 33 33 00-0046 Rectangular Fiberglass Planters (32 33 33 00-0029)				
32 33 33 00-0047	EA	48" x 12", 12" High, Rectangular Fiberglass Planter	1,215.15	27.73
32 33 33 00-0048	EA	48" x 12", 21" High, Rectangular Fiberglass Planter	1,304.30	27.73
32 33 33 00-0049	EA	48" x 24", 12" High, Rectangular Fiberglass Planter	1,705.77	27.73
32 33 33 00-0050	EA	48" x 24", 21" High, Rectangular Fiberglass Planter	1,884.07	27.73
32 33 33 00-0051 Timber Planters (32 33 33)				
32 33 33 00-0052 Square Timber Planters (32 33 33 00-0051)				
32 33 33 00-0053	EA	14" Square, 30" High, Square Timber Planter	573.23	53.84
32 33 33 00-0054	EA	21" Square, 30" High, Square Timber Planter	573.23	53.84
32 33 33 00-0055	EA	27" Square, 30" High, Square Timber Planter	1,092.64	53.84
32 33 33 00-0056	EA	34" Square, 30" High, Square Timber Planter	946.33	53.84
32 33 33 00-0057	EA	41" Square, 36" High, Square Timber Planter	1,129.22	53.84
32 33 33 00-0058	EA	54" Square, 36" High, Square Timber Planter	2,914.26	53.84
32 33 33 00-0059	EA	81" Square, 36" High, Square Timber Planter	4,384.72	53.84
32 33 33 00-0060 Rectangular Timber Planters (32 33 33 00-0051)				
32 33 33 00-0061	EA	21" x 14", 30" High, Rectangular Timber Planter	565.91	53.84
32 33 33 00-0062	EA	27" x 14", 30" High, Rectangular Timber Planter	631.75	53.84
32 33 33 00-0063	EA	27" x 21", 30" High, Rectangular Timber Planter	829.28	53.84
32 33 33 00-0064	EA	34" x 21", 30" High, Rectangular Timber Planter	917.06	53.84
32 33 33 00-0065	EA	41" x 21", 30" High, Rectangular Timber Planter	1,180.43	53.84
32 33 33 00-0066	EA	34" x 27", 30" High, Rectangular Timber Planter	1,370.64	53.84
32 33 33 00-0067	EA	41" x 27", 30" High, Rectangular Timber Planter	1,531.59	53.84
32 33 33 00-0068	EA	54" x 27", 30" High, Rectangular Timber Planter	1,992.48	53.84
32 33 33 00-0069	EA	54" x 34", 30" High, Rectangular Timber Planter	2,248.53	53.84
32 33 33 00-0070	EA	68" x 34", 36" High, Rectangular Timber Planter	2,563.10	53.84
32 33 33 00-0071	EA	54" x 41", 36" High, Rectangular Timber Planter	2,438.74	53.84
32 33 33 00-0072	EA	68" x 41", 36" High, Rectangular Timber Planter	2,760.63	53.84
32 33 33 00-0073	EA	81" x 41", 36" High, Rectangular Timber Planter	3,089.84	53.84
32 33 43 Site Seating and Tables (32 33)				
32 33 43 13 Site Seating (32 33 43)				
32 33 43 13-0001 Benches (Landscapeforms) (32 33 43 13)				
Note: Excludes embedding in concrete See CSI section 32 31 13 13-0001 for drilling and concrete.				
32 33 43 13-0002	EA	72" Backless Wood Or PolySite Bench (Landscapeforms Balustrade)	1,637.51	89.73
32 33 43 13-0003	EA	72" Backed Wood Or PolySite Bench (Landscapeforms Balustrade)	2,045.76	89.73

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 13-0004	EA	96" Backed Wood Bench (Landscapeforms Balustrade)	2,308.21	89.73
32 33 43 13-0005	EA	End Loop Arms For Backed Bench (Landscapeforms Balustrade)	190.67	22.44
32 33 43 13-0006	EA	72" Backless Wood Or PolySite Bench (Landscapeforms Gretchen's)	1,789.65	89.73
32 33 43 13-0007	EA	96" Backless Wood Bench (Landscapeforms Gretchen's)	2,024.21	89.73
32 33 43 13-0008	EA	72" Backed Wood Or PolySite Bench (Landscapeforms Gretchen's)	2,208.05	89.73
32 33 43 13-0009	EA	96" Backed Wood Bench (Landscapeforms Gretchen's)	2,493.31	89.73
32 33 43 13-0010	EA	72" Backed Wood Or PolySite Bench With Armrest (Landscapeforms Gretchen's)	2,525.01	89.73
32 33 43 13-0011	EA	96" Backed Wood Bench With Armrest (Landscapeforms Gretchen's)	2,810.28	89.73
32 33 43 13-0012	EA	59" Backed Wood Or Metal Rod Bench (Landscapeforms Hyde Park)	3,276.34	89.73
32 33 43 13-0013	EA	75" Backed Wood Or Metal Rod Bench (Landscapeforms Hyde Park)	3,560.60	89.73
32 33 43 13-0014	EA	42" Backless Metal Grid Bench (Landscapeforms Manistee)	927.52	67.31
32 33 43 13-0015	EA	62" Backless Metal Grid Bench (Landscapeforms Manistee)	1,002.32	67.31
32 33 43 13-0016	EA	72" Backless Metal Grid Bench (Landscapeforms Manistee)	1,084.61	78.52
32 33 43 13-0017	EA	82" Backless Metal Grid Bench (Landscapeforms Manistee)	1,264.14	78.52
32 33 43 13-0018	EA	42" Backed Metal Grid Bench (Landscapeforms Manistee)	1,159.41	78.52
32 33 43 13-0019	EA	62" Backed Metal Grid Bench (Landscapeforms Manistee)	1,234.21	78.52
32 33 43 13-0020	EA	72" Backed Metal Grid Bench (Landscapeforms Manistee)	1,331.45	89.73
32 33 43 13-0021	EA	82" Backed Metal Grid Bench (Landscapeforms Manistee)	1,525.94	89.73
32 33 43 13-0022	EA	42" Backed Metal Grid Bench With Armrest Each End (Landscapeforms Manistee)	1,294.06	78.52
32 33 43 13-0023	EA	62" Backed Metal Grid Bench With Armrest Each End (Landscapeforms Manistee)	1,391.29	89.73
32 33 43 13-0024	EA	72" Backed Metal Grid Bench With Armrest Each End (Landscapeforms Manistee)	1,466.09	89.73
32 33 43 13-0025	EA	82" Backed Metal Grid Bench With Armrest Each End (Landscapeforms Manistee)	1,660.58	89.73
32 33 43 13-0026	EA	72" Backless Solid Wood Bench (Landscapeforms Palisade)	2,639.12	89.73
32 33 43 13-0027	EA	96" Backless Solid Wood Bench (Landscapeforms Palisade)	3,032.15	89.73
32 33 43 13-0028	EA	70" Backless Perforated Metal Bench (Landscapeforms Petoskey)	1,695.83	89.73
32 33 43 13-0029	EA	70" Dual Support Backed Perforated Metal Bench (Landscapeforms Petoskey)	2,045.76	89.73
32 33 43 13-0030	EA	70" Quad Support Backed Perforated Metal Bench (Landscapeforms Petoskey)	2,220.72	89.73
32 33 43 13-0031	EA	72" Backed Wood Bench (Landscapeforms Plainwell)	2,163.67	89.73
32 33 43 13-0032	EA	72" Backed Wood Bench With Center Arm (Landscapeforms Plainwell)	2,398.23	89.73
32 33 43 13-0033	EA	96" Backed Wood Bench (Landscapeforms Plainwell)	2,651.80	89.73
32 33 43 13-0034	EA	96" Backed Wood Bench With Center Arm (Landscapeforms Plainwell)	2,886.35	89.73
32 33 43 13-0035	EA	96" Backed Wood Bench With Two Center Arms (Landscapeforms Plainwell)	3,127.24	89.73
32 33 43 13-0036	EA	72" Backed Aluminum Bench (Landscapeforms Plainwell)	2,753.23	89.73
32 33 43 13-0037	EA	72" Backed Aluminum Bench With Center Arm (Landscapeforms Plainwell)	2,987.78	89.73
32 33 43 13-0038	EA	96" Backed Aluminum Bench (Landscapeforms Plainwell)	3,374.48	89.73
32 33 43 13-0039	EA	96" Backed Aluminum Bench With Center Arm (Landscapeforms Plainwell)	3,621.71	89.73
32 33 43 13-0040	EA	96" Backed Aluminum Bench With Two Center Arms (Landscapeforms Plainwell)	3,849.92	89.73
32 33 43 13-0041	EA	Backless Metal Grid Seats For Straight Runs (Landscapeforms Plexus)	628.09	22.44
32 33 43 13-0042	EA	Backless Metal Grid Seats For 60 Degree Radius (Landscapeforms Plexus)	843.62	22.44
32 33 43 13-0043	EA	Backless Metal Grid Seats For 120 Degree Radius (Landscapeforms Plexus)	843.62	22.44
32 33 43 13-0044	EA	Backed Metal Grid Seats For Straight Runs (Landscapeforms Plexus)	767.55	22.44
32 33 43 13-0045	EA	Narrow-Backed Metal Grid Seats For 60 Degree Radius (Landscapeforms Plexus)	951.39	22.44
32 33 43 13-0046	EA	Narrow-Backed Metal Grid Seats For 120 Degree Radius (Landscapeforms Plexus)	951.39	22.44
32 33 43 13-0047	EA	Wide-Backed Metal Grid Seats For 120 Degree Radius (Landscapeforms Plexus)	951.39	22.44
32 33 43 13-0048	EA	Armrest For Metal Grid Seats (Landscapeforms Plexus)	190.67	22.44
32 33 43 13-0049	EA	Backless Straight Metal Grid Seats (Landscapeforms Presidio)	881.66	22.44
32 33 43 13-0050	EA	Backless Straight Metal Grid Seats With One Arm (Landscapeforms Presidio)	976.75	22.44
32 33 43 13-0051	EA	Backless Straight Metal Grid Seats With Two Arms (Landscapeforms Presidio)	1,071.84	22.44
32 33 43 13-0052	EA	Backless Angled Metal Grid Seats (Landscapeforms Presidio)	1,065.50	22.44
32 33 43 13-0053	EA	Backless Angled Metal Grid Seats With One Arm (Landscapeforms Presidio)	1,160.59	22.44
32 33 43 13-0054	EA	Backless Angled Metal Grid Seats With Two Arms (Landscapeforms Presidio)	1,255.68	22.44
32 33 43 13-0055	EA	Backed Straight Metal Grid Seats (Landscapeforms Presidio)	1,052.82	22.44
32 33 43 13-0056	EA	Backed Straight Metal Grid Seats With One Arm (Landscapeforms Presidio)	1,147.91	22.44
32 33 43 13-0057	EA	Backed Straight Metal Grid Seats With Two Arms (Landscapeforms Presidio)	1,243.00	22.44
32 33 43 13-0058	EA	Narrow-Backed Angled Metal Grid Seats (Landscapeforms Presidio)	1,287.37	22.44
32 33 43 13-0059	EA	Narrow-Backed Angled Metal Grid Seats With One Arm (Landscapeforms Presidio)	1,382.46	22.44
32 33 43 13-0060	EA	Narrow-Backed Angled Metal Grid Seats With Two Arms (Landscapeforms Presidio)	1,477.55	22.44
32 33 43 13-0061	EA	Wide-Backed Angled Metal Grid Seats (Landscapeforms Presidio)	1,287.37	22.44
32 33 43 13-0062	EA	Wide-Backed Angled Metal Grid Seats With One Arm (Landscapeforms Presidio)	1,382.46	22.44
32 33 43 13-0063	EA	Wide-Backed Angled Metal Grid Seats With Two Arms (Landscapeforms Presidio)	1,477.55	22.44
32 33 43 13-0064	EA	48" Backless Horizontal Strap Bench (Landscapeforms Scarborough)	1,764.29	89.73
32 33 43 13-0065	EA	72" Backless Horizontal Strap Bench (Landscapeforms Scarborough)	1,789.65	89.73
32 33 43 13-0066	EA	96" Backless Horizontal Strap Bench (Landscapeforms Scarborough)	2,176.35	89.73
32 33 43 13-0067	EA	48" Backless Woven Bench (Landscapeforms Scarborough)	2,639.12	89.73
32 33 43 13-0068	EA	72" Backless Woven Bench (Landscapeforms Scarborough)	3,114.57	89.73
32 33 43 13-0069	EA	96" Backless Woven Bench (Landscapeforms Scarborough)	3,564.66	89.73
32 33 43 13-0070	EA	24" Backed Horizontal Strap Bench (Landscapeforms Scarborough)	1,421.97	89.73
32 33 43 13-0071	EA	48" Backed Horizontal Strap Bench (Landscapeforms Scarborough)	1,891.08	89.73
32 33 43 13-0072	EA	72" Backed Horizontal Strap Bench (Landscapeforms Scarborough)	1,935.46	89.73
32 33 43 13-0073	EA	72" Backed Horizontal Strap Bench With Center Arm (Landscapeforms Scarborough)	2,227.06	89.73
32 33 43 13-0074	EA	96" Backed Horizontal Strap Bench (Landscapeforms Scarborough)	2,512.33	89.73
32 33 43 13-0075	EA	96" Backed Horizontal Strap Bench With Center Arm (Landscapeforms Scarborough)	2,810.28	89.73
32 33 43 13-0076	EA	96" Backed Horizontal Strap Bench With Two Intermediate Arms (Landscapeforms Scarborough)	3,101.89	89.73
32 33 43 13-0077	EA	24" Backed Woven Bench (Landscapeforms Scarborough)	2,512.33	89.73
32 33 43 13-0078	EA	48" Backed Woven Bench (Landscapeforms Scarborough)	3,038.49	89.73
32 33 43 13-0079	EA	72" Backed Woven Bench (Landscapeforms Scarborough)	3,551.98	89.73
32 33 43 13-0080	EA	72" Backed Woven Bench With Center Arm (Landscapeforms Scarborough)	3,849.92	89.73
32 33 43 13-0081	EA	96" Backed Woven Bench (Landscapeforms Scarborough)	4,483.85	89.73
32 33 43 13-0082	EA	96" Backed Woven Bench With Center Arm (Landscapeforms Scarborough)	4,775.46	89.73
32 33 43 13-0083	EA	96" Backed Woven Bench With Two Intermediate Arms (Landscapeforms Scarborough)	5,060.73	89.73
32 33 43 13-0084	EA	32" Backed Strap Or Perforated Bench (Landscapeforms Town Square)	1,203.02	78.52
32 33 43 13-0085	EA	49" Backed Strap Or Perforated Bench (Landscapeforms Town Square)	1,450.26	78.52
32 33 43 13-0086	EA	49" Backed Strap Or Perforated Bench With Divider (Landscapeforms Town Square)	1,583.38	78.52
32 33 43 13-0087	EA	70" Backed Strap Or Perforated Bench (Landscapeforms Town Square)	1,853.05	89.73
32 33 43 13-0088	EA	70" Backed Strap Or Perforated Bench With Two Dividers (Landscapeforms Town Square)	2,100.28	89.73

32 Exterior Improvements**32 30 Site Improvements****32 33 Site Furnishings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 33 43 13-0089	Other Benches (32 33 43 13)		
32 33 43 13-0090	EA 6' Timberform #2118-6 Restoration Bench With Cast Iron Glossy Black Frames, Armrests, Purple Heart Wood Slats, S.J.S.U. Logo, Surface Mount	4,018.36	83.00
32 33 43 13-0091	Benches (Columbia Cascade, TimberForm) (32 33 43 13)		
32 33 43 13-0092	Wood Benches (Columbia Cascade, TimberForm) (32 33 43 13-0091)		
	Note: Includes powder coated steel frames.		
32 33 43 13-0093	EA 70" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-6-E)	888.60	44.87
32 33 43 13-0094	EA 94" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-8-E)	1,020.72	44.87
32 33 43 13-0095	EA 118" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-10-E)	1,311.34	44.87
32 33 43 13-0096	EA 70" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-6-P)	928.25	44.87
32 33 43 13-0097	EA 94" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-8-P)	1,060.35	44.87
32 33 43 13-0098	EA 118" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-10-P)	1,364.18	44.87
32 33 43 13-0099	EA 70" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-6-E)	1,364.18	44.87
32 33 43 13-0100	EA 94" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-8-E)	1,588.75	44.87
32 33 43 13-0101	EA 118" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-10-E)	2,051.09	44.87
32 33 43 13-0102	EA 70" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-6-P)	1,430.23	44.87
32 33 43 13-0103	EA 94" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-8-P)	1,654.80	44.87
32 33 43 13-0104	EA 118" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-10-P)	2,143.56	44.87
32 33 43 13-0105	EA 70" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-6-E)	2,645.54	44.87
32 33 43 13-0106	EA 94" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-8-E)	3,107.89	44.87
32 33 43 13-0107	EA 118" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-10-E)	4,072.22	44.87
32 33 43 13-0108	EA 70" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-6-P)	2,711.59	44.87
32 33 43 13-0109	EA 94" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-8-P)	3,173.94	44.87
32 33 43 13-0110	EA 118" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-10-P)	4,164.69	44.87
32 33 43 13-0111	EA 70" Length, Embedment Mount, 3 x 4 Wood Slats Concave Bench (TimberForm 2028-6-E)	1,033.93	44.87
32 33 43 13-0112	EA 94" Length, Embedment Mount, 3 x 4 Wood Slats Concave Bench (TimberForm 2028-8-E)	1,166.03	44.87
32 33 43 13-0113	EA 70" Length, Pedestal Mount, 3 x 4 Wood Slats Concave Bench (TimberForm 2028-6-P)	1,073.56	44.87
32 33 43 13-0114	EA 94" Length, Pedestal Mount, 3 x 4 Wood Slats Concave Bench (TimberForm 2028-8-P)	1,205.66	44.87
32 33 43 13-0115	EA 46" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Platform Seat (TimberForm 2044-4-E)	1,734.06	44.87
32 33 43 13-0116	EA 70" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Platform Seat (TimberForm 2044-6-E)	2,051.09	44.87
32 33 43 13-0117	EA 46" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Platform Seat (TimberForm 2044-4-P)	1,839.74	44.87
32 33 43 13-0118	EA 70" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Platform Seat (TimberForm 2044-6-P)	2,156.77	44.87
32 33 43 13-0119	EA 70" Length, Wall Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2045-6)	1,081.93	67.31
32 33 43 13-0120	EA 94" Length, Wall Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2045-8)	1,134.77	67.31
32 33 43 13-0121	EA 118" Length, Wall Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2045-10)	1,544.28	67.31
32 33 43 13-0122	EA 46" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-4-E)	835.78	44.87
32 33 43 13-0123	EA 70" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-6-E)	967.88	44.87
32 33 43 13-0124	EA 94" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-8-E)	1,099.98	44.87
32 33 43 13-0125	EA 118" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-10-E)	1,417.02	44.87
32 33 43 13-0126	EA 142" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-12-E)	1,549.12	44.87
32 33 43 13-0127	EA 46" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-4-P)	848.99	44.87
32 33 43 13-0128	EA 70" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-6-P)	981.09	44.87
32 33 43 13-0129	EA 94" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-8-P)	1,113.19	44.87
32 33 43 13-0130	EA 118" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-10-P)	1,456.65	44.87
32 33 43 13-0131	EA 142" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-12-P)	1,588.75	44.87
32 33 43 13-0132	EA 70" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-6-E)	1,443.44	44.87
32 33 43 13-0133	EA 94" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-8-E)	1,668.01	44.87
32 33 43 13-0134	EA 118" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-10-E)	2,156.77	44.87
32 33 43 13-0135	EA 142" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-12-E)	2,381.34	44.87
32 33 43 13-0136	EA 70" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-6-P)	1,469.86	44.87
32 33 43 13-0137	EA 94" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-8-P)	1,694.43	44.87
32 33 43 13-0138	EA 118" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-10-P)	2,196.40	44.87
32 33 43 13-0139	EA 142" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-12-P)	2,420.97	44.87
32 33 43 13-0140	EA 70" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-6-E)	1,443.44	44.87
32 33 43 13-0141	EA 82" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-7-E)	2,037.88	44.87
32 33 43 13-0142	EA 94" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-8-E)	1,813.32	44.87
32 33 43 13-0143	EA 118" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-10-E)	2,394.55	44.87
32 33 43 13-0144	EA 142" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-12-E)	2,619.12	44.87
32 33 43 13-0145	EA 70" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-6-P)	1,654.80	44.87
32 33 43 13-0146	EA 82" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-7-P)	2,077.51	44.87
32 33 43 13-0147	EA 94" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-8-P)	1,839.74	44.87
32 33 43 13-0148	EA 118" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-10-P)	2,434.18	44.87
32 33 43 13-0149	EA 142" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-12-P)	2,658.75	44.87
32 33 43 13-0150	EA 70" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2142-6)	1,517.86	67.31

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 13-0151	EA	94" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2142-8)	1,755.64	67.31
32 33 43 13-0152	EA	118" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2142-10)	2,257.61	67.31
32 33 43 13-0153	EA	70" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2143-6)	1,663.17	67.31
32 33 43 13-0154	EA	94" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2143-8)	1,900.95	67.31
32 33 43 13-0155	EA	118" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2143-10)	2,482.18	67.31
32 33 43 13-0156 Recycled Plastic Benches (Columbia Cascade, TimberForm) (32 33 43 13-0091)				
Note: Includes powder coated steel frames.				
32 33 43 13-0157	EA	70" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Concave Bench (TimberForm 2029-6-E)	1,218.87	44.87
32 33 43 13-0158	EA	94" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Concave Bench (TimberForm 2029-8-E)	1,668.01	44.87
32 33 43 13-0159	EA	70" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Concave Bench (TimberForm 2029-6-P)	1,258.50	44.87
32 33 43 13-0160	EA	94" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Concave Bench (TimberForm 2029-8-P)	1,707.64	44.87
32 33 43 13-0161	EA	46" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Platform Seat (TimberForm 2041-4-E)	1,919.00	44.87
32 33 43 13-0162	EA	70" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Platform Seat (TimberForm 2041-6-E)	2,249.24	44.87
32 33 43 13-0163	EA	46" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Platform Seat (TimberForm 2041-4-P)	2,024.67	44.87
32 33 43 13-0164	EA	70" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Platform Seat (TimberForm 2041-6-P)	2,354.92	44.87
32 33 43 13-0165	EA	70" Length, Wall Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2042-6)	1,214.03	67.31
32 33 43 13-0166	EA	94" Length, Wall Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2042-8)	1,465.02	67.31
32 33 43 13-0167	EA	118" Length, Wall Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2042-10)	1,729.22	67.31
32 33 43 13-0168	EA	70" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-6-E)	994.28	44.87
32 33 43 13-0169	EA	94" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-8-E)	1,337.76	44.87
32 33 43 13-0170	EA	118" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-10-E)	1,601.96	44.87
32 33 43 13-0171	EA	70" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-6-P)	1,033.93	44.87
32 33 43 13-0172	EA	94" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-8-P)	1,377.39	44.87
32 33 43 13-0173	EA	118" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-10-P)	1,654.80	44.87
32 33 43 13-0174	EA	70" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-6-E)	1,588.75	44.87
32 33 43 13-0175	EA	94" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-8-E)	2,143.56	44.87
32 33 43 13-0176	EA	118" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-10-E)	2,605.91	44.87
32 33 43 13-0177	EA	70" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-6-P)	1,654.80	44.87
32 33 43 13-0178	EA	94" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-8-P)	2,236.03	44.87
32 33 43 13-0179	EA	118" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-10-P)	2,698.38	44.87
32 33 43 13-0180	EA	70" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-6-E)	3,107.89	44.87
32 33 43 13-0181	EA	94" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-8-E)	4,283.58	44.87
32 33 43 13-0182	EA	118" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-10-E)	4,745.93	44.87
32 33 43 13-0183	EA	70" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-6-P)	3,173.94	44.87
32 33 43 13-0184	EA	94" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-8-P)	4,376.05	44.87
32 33 43 13-0185	EA	118" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-10-P)	4,838.40	44.87
32 33 43 13-0186	EA	70" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-6-E)	1,945.41	44.87
32 33 43 13-0187	EA	82" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-7-E)	2,711.59	44.87
32 33 43 13-0188	EA	94" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-8-E)	2,592.70	44.87
32 33 43 13-0189	EA	118" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-10-E)	2,975.79	44.87
32 33 43 13-0190	EA	142" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-12-E)	4,006.17	44.87
32 33 43 13-0191	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-6-P)	1,971.83	44.87
32 33 43 13-0192	EA	82" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-7-P)	2,751.22	44.87
32 33 43 13-0193	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-8-P)	2,632.33	44.87
32 33 43 13-0194	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-10-P)	3,015.42	44.87
32 33 43 13-0195	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-12-P)	4,072.22	44.87
32 33 43 13-0196	EA	70" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2154-6)	1,848.11	67.31
32 33 43 13-0197	EA	94" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2154-8)	2,495.39	67.31
32 33 43 13-0198	EA	118" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2154-10)	3,089.84	67.31
32 33 43 13-0199	EA	70" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2156-6)	2,072.67	67.31
32 33 43 13-0200	EA	94" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2156-8)	2,772.80	67.31
32 33 43 13-0201	EA	118" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2156-10)	3,050.21	67.31
32 33 43 13-0202	EA	46" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-4-E)	888.62	44.87
32 33 43 13-0203	EA	70" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-6-E)	1,166.03	44.87
32 33 43 13-0204	EA	94" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-8-E)	1,575.54	44.87
32 33 43 13-0205	EA	118" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-10-E)	1,852.95	44.87
32 33 43 13-0206	EA	142" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-12-E)	2,156.77	44.87
32 33 43 13-0207	EA	46" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-4-P)	915.04	44.87
32 33 43 13-0208	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-6-P)	1,192.45	44.87
32 33 43 13-0209	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-8-P)	1,615.17	44.87

32 Exterior Improvements**32 30 Site Improvements****32 33 Site Furnishings**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
32 33 43 13-0210	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-10-P).....	1,892.58	44.87	
32 33 43 13-0211	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-12-P).....	2,209.61	44.87	
32 33 43 13-0212	EA	70" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-6-E).....	1,734.06	44.87	
32 33 43 13-0213	EA	94" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-8-E).....	2,381.34	44.87	
32 33 43 13-0214	EA	118" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-10-E).....	2,936.16	44.87	
32 33 43 13-0215	EA	142" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-12-E).....	3,306.04	44.87	
32 33 43 13-0216	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-6-P).....	1,760.48	44.87	
32 33 43 13-0217	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-8-P).....	2,420.97	44.87	
32 33 43 13-0218	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-10-P).....	2,975.79	44.87	
32 33 43 13-0219	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-12-P).....	3,358.88	44.87	
32 33 43 13-0220 Benches (Wabash Valley) (32 33 43 13)					
32 33 43 13-0221 Prestige/Profile Benches (32 33 43 13-0220)					
32 33 43 13-0222	EA	6' Bench With Arms, Inground, Diamond Site Furniture (Wabash Valley PP411D).....	743.43	41.91	
32 33 43 13-0223	EA	6' Bench With Arms, Inground, Perforated Site Furniture (Wabash Valley PP411P).....	819.14	41.91	
32 33 43 13-0224 Straight Benches (32 33 43 13-0220)					
32 33 43 13-0225	EA	6' Signature Standard Inground Bench With Back (Wabash Valley SG303P).....	1,002.73	62.81	
32 33 43 13-0226	EA	6' Signature Standard Surface Mount Bench With Back (Wabash Valley SG306P).....	1,018.43	62.81	
32 33 43 13-0227	EA	8' Signature Standard Inground Bench With Back (Wabash Valley SG315P).....	1,094.36	62.81	
32 33 43 13-0228	EA	8' Signature Standard Inground Bench Without Back (Wabash Valley SG316P).....	719.96	62.81	
32 33 43 13-0229	EA	8' Signature Standard Surface Mount Bench With Back (Wabash Valley SG318P).....	1,094.36	62.81	
32 33 43 13-0230	EA	8' Signature Standard Surface Mount Bench Without Back (Wabash Valley SG319P).....	719.96	62.81	
32 33 43 13-0231	EA	Shelter With 6' Bench (Wabash Valley SH305P).....	7,187.32	80.76	
32 33 43 13-0232	EA	2-Seat With Back, Portable (Wabash Valley CL310).....	1,487.31	41.91	
32 33 43 13-0233	EA	2-Seat With Back, Surface Mount (Wabash Valley CL311D).....	1,425.15	62.90	
32 33 43 13-0234	EA	2-Seat With Back, Inground (Wabash Valley CL312D).....	1,573.99	83.90	
32 33 43 13-0235	EA	2-Seat Without Back, Portable (Wabash Valley CL315D).....	1,279.36	41.91	
32 33 43 13-0236	EA	2-Seat Without Back, Surface Mount (Wabash Valley CL316D).....	1,217.19	62.90	
32 33 43 13-0237	EA	2-Seat Without Back, Inground (Wabash Valley CL317D).....	1,335.46	83.90	
32 33 43 13-0238	EA	3-Seat With Back, Portable (Wabash Valley CL320D).....	2,157.05	41.91	
32 33 43 13-0239	EA	3-Seat With Back, Surface Mount (Wabash Valley CL321D).....	2,116.29	62.90	
32 33 43 13-0240	EA	3-Seat With Back, Inground (Wabash Valley CL322D).....	2,225.38	83.90	
32 33 43 13-0241	EA	3-Seat Without Back, Portable (Wabash Valley CL325D).....	1,783.95	41.91	
32 33 43 13-0242	EA	3-Seat Without Back, Surface Mount (Wabash Valley CL326D).....	1,743.19	62.90	
32 33 43 13-0243	EA	3-Seat Without Back, Inground (Wabash Valley CL327D).....	1,855.34	83.90	
32 33 43 13-0244 Concave Benches (32 33 43 13-0220)					
32 33 43 13-0245	EA	Benches, 15 Deg Concave With Back, Portable, CL405D.....	2,046.95	41.91	
32 33 43 13-0246	EA	Benches, 15 Deg Concave With Back, Surface Mount, CL406D.....	1,993.96	62.90	
32 33 43 13-0247	EA	Benches, 15 Deg Concave With Back, Inground, CL407D.....	2,106.11	83.90	
32 33 43 13-0248	EA	Benches, 15 Deg Concave Without Back, Portable, CL415D.....	2,001.08	41.91	
32 33 43 13-0249	EA	Benches, 15 Deg Concave Without Back, Surface Mount, CL416D.....	1,948.09	62.90	
32 33 43 13-0250	EA	Benches, 15 Deg Concave Without Back, Inground, CL417D.....	2,060.24	83.90	
32 33 43 13-0251 Swings (32 33 43 13-0220)					
32 33 43 13-0252	EA	4' Swing With Chain (Perforated Or Rib) SP300P.....	1,566.41	35.90	
32 33 43 13-0253	EA	6' Swing With Chain (Perforated Or Rib) SP305P.....	1,836.08	35.90	
32 33 43 13-0254	EA	Round Inground Post Package SP310N.....	750.24	83.90	
32 33 43 13-0255	EA	4' Square Inground Post Package SP315N.....	1,664.71	107.68	
32 33 43 13-0256	EA	6' Square Inground Post Package SP320N.....	1,806.10	107.68	
32 33 43 13-0257 Accessories (32 33 43 13-0220)					
32 33 43 13-0258	EA	Mounting Plate Covers (Set Of 2), MC102N.....	65.45	6.28	
32 33 43 13-0259	EA	Mounting Plate Covers (Set Of 3), MC103N.....	94.39	8.35	
32 33 43 13-0260	EA	Mounting Plate Covers (Set Of 4), MC104.....	110.07	8.35	
32 33 43 13-0261 Camden Series Benches (32 33 43 13-0220)					
32 33 43 13-0262	EA	6' Bench, With Back, Square Perforation, Portable/Surface Mount, CA1112C.....	1,511.64	62.81	
32 33 43 13-0263	EA	6' Bench, With Back, Square Perforation, Inground, CA1111L.....	1,543.90	83.90	
32 33 43 13-0264	EA	6' Bench, With Back, With Arms, Faux-Wood, Portable/Surface Mount, CA1112C.....	1,684.03	62.81	
32 33 43 13-0265	EA	6' Bench, With Back, With Arms, Faux-Wood, Inground, CA1112L.....	1,720.49	83.90	
32 33 43 13-0266	EA	6' Bench, With Back, With Arms, Rod, Portable/Surface Mount, CA1114C.....	1,890.06	62.81	
32 33 43 13-0267	EA	6' Bench, With Back, With Arms, Rod, Inground, CA1114L.....	1,926.52	83.90	
32 33 43 13-0268	EA	6' Bench, With Back, With Arms, Round Perforation, Portable/Surface Mount, CA1116C.....	1,488.51	62.81	
32 33 43 13-0269	EA	6' Bench, With Back, With Arms, Round Perforation, Inground, CA1116L.....	1,522.87	83.90	
32 33 43 13-0270	EA	6' Bench, With Back, With Arms, Horizontal Slat, Portable/Surface Mount, CA1119C.....	1,698.75	62.81	
32 33 43 13-0271	EA	6' Bench, With Back, With Arms, Horizontal Slat, Inground, CA1116L.....	1,733.11	83.90	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 33 43 53 Site Tables (32 33 43)

32 33 43 53-0001 Tables (32 33 43 53)

32 33 43 53-0002 Tables (Wabash) (32 33 43 53-0001)

32 33 43 53-0003	EA	Spyder ADA Round Table (Wabash SY203P).....	2,623.76	80.76
32 33 43 53-0004	EA	Shelter With 6' Table (Wabash SH105P).....	7,993.73	80.76
32 33 43 53-0005	EA	46" Round Table With Attached Chairs, Bench Seats, Solid Top With Square Perforation Seats, Portable/Surface Mount (Wabash CA2Q50C).....	2,411.48	80.76
32 33 43 53-0006	EA	46" Round Table With Attached Chairs, Bench Seats, Solid Top With Square Perforation Seats, Inground (Wabash CA2Q50I).....	2,585.28	89.73

32 33 43 53-0007 Tables (Landscapeforms) (32 33 43 53-0001)

32 33 43 53-0008	EA	Plexus Companion Table For Backed Seat, Straight Runs	800.72	83.90
32 33 43 53-0009	EA	Companion Table For Narrow-Backed Seat, For 60 Degree Radius (Landscapeforms Plexus)	1,003.58	83.90
32 33 43 53-0010	EA	Companion Table For Narrow-Backed Seat, For 120 Degree Radius (Landscapeforms Plexus)	1,003.58	83.90
32 33 43 53-0011	EA	Companion Table For Wide-Backed Seat, For 120 Degree Radius (Landscapeforms Plexus).....	1,003.58	83.90
32 33 43 53-0012	EA	6-Person Picnic Table (Landscapeforms Manistee)	3,047.88	83.90
32 33 43 53-0013	EA	4-Person Picnic Table (Landscapeforms Manistee)	2,707.08	83.90
32 33 43 53-0014	EA	2-Person Picnic Table (Landscapeforms Manistee)	2,394.67	83.90
32 33 43 53-0015	EA	Umbrella Stand For Picnic Table (Landscapeforms)	253.57	
32 33 43 53-0016	EA	32" x 72" Picnic Table (Landscapeforms Petoskey)	2,401.14	80.76
32 33 43 53-0017	EA	62" Backless Metal Rod Bench (Landscapeforms Petoskey)	1,264.14	62.81
32 33 43 53-0018	EA	29" Backless Metal Rod Bench (Landscapeforms Petoskey)	1,054.68	62.81
32 33 43 53-0019	EA	58" x 54" x 30" Wood Or PolySite Picnic Table With Benches (Landscapeforms Gretchen)	2,813.70	80.76
32 33 43 53-0020	EA	3 Seat Table, Backless, Grid Seats And Fiberglass Top (Landscapeforms Carousel)	2,707.08	83.90
32 33 43 53-0021	EA	4 Seat Table, Backless, Grid Seats And Fiberglass Top (Landscapeforms Carousel)	2,707.08	83.90
32 33 43 53-0022	EA	5 Seat Table, Backless, Grid Seats And Fiberglass Top (Landscapeforms Carousel)	3,516.48	83.90
32 33 43 53-0023	EA	6 Seat Table, Backless, Grid Seats And Fiberglass Top (Landscapeforms Carousel)	3,516.48	83.90
32 33 43 53-0024	EA	3 Seat Table, Backless, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel).....	2,891.68	83.90
32 33 43 53-0025	EA	4 Seat Table, Backless, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel).....	2,891.68	83.90
32 33 43 53-0026	EA	5 Seat Table, Backless, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel).....	3,701.08	83.90
32 33 43 53-0027	EA	6 Seat Table, Backless, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel).....	3,701.08	83.90
32 33 43 53-0028	EA	3 Seat Table, Backless, Perforated Seats And Fiberglass Top (Landscapeforms Carousel)	2,820.68	83.90
32 33 43 53-0029	EA	4 Seat Table, Backless, Perforated Seats And Fiberglass Top (Landscapeforms Carousel)	2,820.68	83.90
32 33 43 53-0030	EA	5 Seat Table, Backless, Perforated Seats And Fiberglass Top (Landscapeforms Carousel)	3,686.88	83.90
32 33 43 53-0031	EA	6 Seat Table, Backless, Perforated Seats And Fiberglass Top (Landscapeforms Carousel)	3,686.88	83.90
32 33 43 53-0032	EA	3 Seat Table, Backless, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel).....	3,005.28	83.90
32 33 43 53-0033	EA	4 Seat Table, Backless, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel).....	3,005.28	83.90
32 33 43 53-0034	EA	5 Seat Table, Backless, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel).....	3,871.48	83.90
32 33 43 53-0035	EA	6 Seat Table, Backless, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel).....	3,871.48	83.90
32 33 43 53-0036	EA	3 Seat Table, Backless, Grid Seats And Fiberglass Top (Landscapeforms Carousel)	2,877.48	83.90
32 33 43 53-0037	EA	4 Seat Table, Backless, Grid Seats And Fiberglass Top (Landscapeforms Carousel)	2,877.48	83.90
32 33 43 53-0038	EA	5 Seat Table, Backless, Grid Seats And Fiberglass Top (Landscapeforms Carousel)	3,701.08	83.90
32 33 43 53-0039	EA	6 Seat Table, Backless, Grid Seats And Fiberglass Top (Landscapeforms Carousel)	3,701.08	83.90
32 33 43 53-0040	EA	3 Seat Table, Backless, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel).....	3,062.08	83.90
32 33 43 53-0041	EA	4 Seat Table, Backless, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel).....	3,062.08	83.90
32 33 43 53-0042	EA	5 Seat Table, Backless, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel).....	3,885.68	83.90
32 33 43 53-0043	EA	6 Seat Table, Backless, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel).....	3,885.68	83.90
32 33 43 53-0044	EA	3 Seat Table, Backless, Perforated Seats And Fiberglass Top (Landscapeforms Carousel).....	3,019.48	83.90
32 33 43 53-0045	EA	4 Seat Table, Backless, Perforated Seats And Fiberglass Top (Landscapeforms Carousel).....	3,019.48	83.90
32 33 43 53-0046	EA	5 Seat Table, Backless, Perforated Seats And Fiberglass Top (Landscapeforms Carousel).....	3,914.08	83.90
32 33 43 53-0047	EA	6 Seat Table, Backless, Perforated Seats And Fiberglass Top (Landscapeforms Carousel).....	3,914.08	83.90
32 33 43 53-0048	EA	3 Seat Table, Backless, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel).....	3,204.08	83.90
32 33 43 53-0049	EA	4 Seat Table, Backless, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel).....	3,204.08	83.90
32 33 43 53-0050	EA	5 Seat Table, Backless, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel).....	4,098.68	83.90
32 33 43 53-0051	EA	6 Seat Table, Backless, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel).....	4,098.68	83.90
32 33 43 53-0052	EA	3 Seat Table, Backless, Grid Seats And Catena Top (Landscapeforms Carousel)	2,512.33	83.90
32 33 43 53-0053	EA	4 Seat Table, Backless, Grid Seats And Catena Top (Landscapeforms Carousel)	2,512.33	83.90
32 33 43 53-0054	EA	5 Seat Table, Backless, Grid Seats And Catena Top (Landscapeforms Carousel)	3,311.08	83.90
32 33 43 53-0055	EA	6 Seat Table, Backless, Grid Seats And Catena Top (Landscapeforms Carousel)	3,311.08	83.90
32 33 43 53-0056	EA	3 Seat Table, Backless, Grid Seats And Steelhead Top (Landscapeforms Carousel).....	2,613.76	83.90
32 33 43 53-0057	EA	4 Seat Table, Backless, Grid Seats And Steelhead Top (Landscapeforms Carousel).....	2,613.76	83.90
32 33 43 53-0058	EA	5 Seat Table, Backless, Grid Seats And Steelhead Top (Landscapeforms Carousel).....	3,399.83	83.90
32 33 43 53-0059	EA	6 Seat Table, Backless, Grid Seats And Steelhead Top (Landscapeforms Carousel).....	3,399.83	83.90
32 33 43 53-0060	EA	3 Seat Table, Backless, Perforated Seats And Catena Top (Landscapeforms Carousel)	2,626.44	83.90
32 33 43 53-0061	EA	4 Seat Table, Backless, Perforated Seats And Catena Top (Landscapeforms Carousel)	2,626.44	83.90
32 33 43 53-0062	EA	5 Seat Table, Backless, Perforated Seats And Catena Top (Landscapeforms Carousel)	3,463.23	83.90
32 33 43 53-0063	EA	6 Seat Table, Backless, Perforated Seats And Catena Top (Landscapeforms Carousel)	3,463.23	83.90
32 33 43 53-0064	EA	3 Seat Table, Backless, Perforated Seats And Steelhead Top (Landscapeforms Carousel).....	2,715.19	83.90
32 33 43 53-0065	EA	4 Seat Table, Backless, Perforated Seats And Steelhead Top (Landscapeforms Carousel).....	2,715.19	83.90
32 33 43 53-0066	EA	5 Seat Table, Backless, Perforated Seats And Steelhead Top (Landscapeforms Carousel).....	3,551.98	83.90
32 33 43 53-0067	EA	6 Seat Table, Backless, Perforated Seats And Steelhead Top (Landscapeforms Carousel).....	3,551.98	83.90
32 33 43 53-0068	EA	3 Seat Table, Backless, Grid Seats And Catena Top (Landscapeforms Carousel)	2,677.15	83.90
32 33 43 53-0069	EA	4 Seat Table, Backless, Grid Seats And Catena Top (Landscapeforms Carousel)	2,677.15	83.90
32 33 43 53-0070	EA	5 Seat Table, Backless, Grid Seats And Catena Top (Landscapeforms Carousel)	3,488.58	83.90
32 33 43 53-0071	EA	6 Seat Table, Backless, Grid Seats And Catena Top (Landscapeforms Carousel)	3,488.58	83.90
32 33 43 53-0072	EA	3 Seat Table, Backless, Grid Seats And Steelhead Top (Landscapeforms Carousel).....	2,772.24	83.90
32 33 43 53-0073	EA	4 Seat Table, Backless, Grid Seats And Steelhead Top (Landscapeforms Carousel).....	2,772.24	83.90
32 33 43 53-0074	EA	5 Seat Table, Backless, Grid Seats And Steelhead Top (Landscapeforms Carousel).....	3,577.33	83.90
32 33 43 53-0075	EA	6 Seat Table, Backless, Grid Seats And Steelhead Top (Landscapeforms Carousel).....	3,577.33	83.90
32 33 43 53-0076	EA	3 Seat Table, Backless, Perforated Seats And Catena Top (Landscapeforms Carousel).....	2,835.64	83.90
32 33 43 53-0077	EA	4 Seat Table, Backless, Perforated Seats And Catena Top (Landscapeforms Carousel).....	2,835.64	83.90
32 33 43 53-0078	EA	5 Seat Table, Backless, Perforated Seats And Catena Top (Landscapeforms Carousel).....	3,735.82	83.90

32 Exterior Improvements**32 30 Site Improvements****32 33 Site Furnishings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 33 43 53-0079	EA	6 Seat Table, Backed, Perforated Seats And Catena Top (Landscapeforms Carousel).....	3,735.82	83.90
32 33 43 53-0080	EA	3 Seat Table, Backed, Perforated Seats And Steelhead Top (Landscapeforms Carousel)	2,924.39	83.90
32 33 43 53-0081	EA	4 Seat Table, Backed, Perforated Seats And Steelhead Top (Landscapeforms Carousel)	2,924.39	83.90
32 33 43 53-0082	EA	5 Seat Table, Backed, Perforated Seats And Steelhead Top (Landscapeforms Carousel)	3,824.57	83.90
32 33 43 53-0083	EA	6 Seat Table, Backed, Perforated Seats And Steelhead Top (Landscapeforms Carousel)	3,824.57	83.90

32 33 43 53-0084 Tables (Columbia Cascade Co. - TimberForm) (32 33 43 53-0001)

32 33 43 53-0085	EA	Table With Four Chairs (Columbia Cascade Co. 2052-E)	4,871.55	104.81
32 33 43 53-0086	EA	Table With Four Chairs (Columbia Cascade Co. 2052-P)	5,950.90	104.81
32 33 43 53-0087	EA	Accessible Table With Three Chairs (Columbia Cascade Co. 2053-E)	4,107.01	104.81
32 33 43 53-0088	EA	Accessible Table With Three Chairs (Columbia Cascade Co. 2053-P)	5,126.40	104.81
32 33 43 53-0089	EA	Table With Four Seats (Columbia Cascade Co. 2054-E).....	2,727.84	104.81
32 33 43 53-0090	EA	Table With Four Seats (Columbia Cascade Co. 2054-P).....	2,967.69	104.81
32 33 43 53-0091	EA	Accessible Table With Three Seats (Columbia Cascade Co. 2055-E)	2,323.08	104.81
32 33 43 53-0092	EA	Accessible Table With Three Seats (Columbia Cascade Co. 2055-P)	2,532.95	104.81
32 33 43 53-0093	EA	Integral Table With Four Seats (Columbia Cascade Co. 2056-E).....	3,042.65	104.81
32 33 43 53-0094	EA	Integral Table With Four Seats (Columbia Cascade Co. 2056-P).....	3,252.52	104.81
32 33 43 53-0095	EA	Integral Table With Four Seats (Columbia Cascade Co. 2056-R)	4,931.51	104.81
32 33 43 53-0096	EA	Accessible Integral Table With Four Seats (Columbia Cascade Co. 2057-E).....	2,697.86	104.81
32 33 43 53-0097	EA	Accessible Integral Table With Four Seats (Columbia Cascade Co. 2057-P).....	2,907.73	104.81
32 33 43 53-0098	EA	Accessible Integral Table With Four Seats (Columbia Cascade Co. 2057-R)	4,586.72	104.81
32 33 43 53-0099	EA	Standard Picnic Table And Seats (Columbia Cascade Co. 2062)	3,357.46	104.81
32 33 43 53-0100	EA	Standard Picnic Table And Seats (Columbia Cascade Co. 2062-P).....	3,597.32	104.81
32 33 43 53-0101	EA	Accessible Picnic Table And Seats (Columbia Cascade Co. 2063-E)	3,927.12	104.81
32 33 43 53-0102	EA	Accessible Picnic Table And Seats (Columbia Cascade Co. 2063-P)	4,166.97	104.81
32 33 43 53-0103	EA	Accessible Picnic Table And Benches (Columbia Cascade Co. 2072-E)	4,931.51	104.81
32 33 43 53-0104	EA	Accessible Picnic Table And Benches (Columbia Cascade Co. 2072-P)	5,171.37	104.81
32 33 43 53-0105	EA	Standard Picnic Table And Benches (Columbia Cascade Co. 2073-E)	4,931.51	104.81
32 33 43 53-0106	EA	Standard Picnic Table And Benches (Columbia Cascade Co. 2073-P)	5,171.37	104.81
32 33 43 53-0107	EA	Standard Picnic Table And Seats (Columbia Cascade Co. 2074-E)	1,154.09	41.91
32 33 43 53-0108	EA	Accessible Picnic Table And Seats (Columbia Cascade Co. 2075-E)	1,543.86	41.91
32 33 43 53-0109	EA	Gameboard (Columbia Cascade Co. 2095).....	329.70	20.99
32 33 43 53-0110	EA	Standard Picnic Table With Seats (Columbia Cascade Co. 2162-E).....	3,357.46	104.81
32 33 43 53-0111	EA	Standard Picnic Table With Seats (Columbia Cascade Co. 2162-E).....	3,837.17	104.81
32 33 43 53-0112	EA	Standard Picnic Table With Seats (Columbia Cascade Co. 2162-E).....	3,597.32	104.81
32 33 43 53-0113	EA	Standard Picnic Table With Seats (Columbia Cascade Co. 2162-E).....	4,077.03	104.81
32 33 43 53-0114	EA	Accessible Picnic Table With Seats (Columbia Cascade Co. 2163-E).....	3,732.23	104.81
32 33 43 53-0115	EA	Accessible Picnic Table With Seats (Columbia Cascade Co. 2163-E).....	4,211.95	104.81
32 33 43 53-0116	EA	Accessible Picnic Table With Seats (Columbia Cascade Co. 2163-E).....	3,972.09	104.81
32 33 43 53-0117	EA	Accessible Picnic Table With Seats (Columbia Cascade Co. 2163-E).....	4,451.80	104.81
32 33 43 53-0118	EA	Standard Picnic Table With Seats (Columbia Cascade Co. 2164-E)	3,162.89	41.91
32 33 43 53-0119	EA	Standard Picnic Table With Seats (Columbia Cascade Co. 2164-E)	3,552.65	41.91
32 33 43 53-0120	EA	Accessible Picnic Table With Seats (Columbia Cascade Co. 2165-E)	3,537.66	41.91
32 33 43 53-0121	EA	Accessible Picnic Table With Seats (Columbia Cascade Co. 2165-E)	3,927.43	41.91
32 33 43 53-0122	EA	Standard Picnic Table With Seats (Columbia Cascade Co. 2638-E).....	7,959.70	104.81
32 33 43 53-0123	EA	Standard Picnic Table With Seats (Columbia Cascade Co. 2638-E).....	8,799.19	104.81
32 33 43 53-0124	EA	Accessible Picnic Table With Seats (Columbia Cascade Co. 2639-E).....	7,959.70	104.81
32 33 43 53-0125	EA	Accessible Picnic Table With Seats (Columbia Cascade Co. 2639-E).....	8,799.19	104.81
32 33 43 53-0126	EA	Round Table With Center Support (Columbia Cascade Co. 2902-0030-E)	1,948.30	104.81
32 33 43 53-0127	EA	Round Table With Center Support (Columbia Cascade Co. 2902-0036-E)	2,143.19	104.81
32 33 43 53-0128	EA	Round Table With Center Support (Columbia Cascade Co. 2902-0042-E)	2,338.07	104.81
32 33 43 53-0129	EA	Round Table With Center Support (Columbia Cascade Co. 2902-0030-P)	2,083.22	104.81
32 33 43 53-0130	EA	Round Table With Center Support (Columbia Cascade Co. 2902-0036-P)	2,278.11	104.81
32 33 43 53-0131	EA	Round Table With Center Support (Columbia Cascade Co. 2902-0042-P)	2,472.99	104.81
32 33 43 53-0132	EA	Square Table With Center Support (Columbia Cascade Co. 2902-3030-E)	1,903.33	104.81
32 33 43 53-0133	EA	Square Table With Center Support (Columbia Cascade Co. 2902-3636-E)	2,038.25	104.81
32 33 43 53-0134	EA	Square Table With Center Support (Columbia Cascade Co. 2902-4242-E)	2,173.17	104.81
32 33 43 53-0135	EA	Square Table With Center Support (Columbia Cascade Co. 2902-3030-P)	2,038.25	104.81
32 33 43 53-0136	EA	Square Table With Center Support (Columbia Cascade Co. 2902-3636-P)	2,173.17	104.81
32 33 43 53-0137	EA	Square Table With Center Support (Columbia Cascade Co. 2902-4242-P)	2,308.09	104.81
32 33 43 53-0138	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0030-E)	1,843.37	104.81
32 33 43 53-0139	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0036-E)	2,038.25	104.81
32 33 43 53-0140	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0042-E)	2,233.13	104.81
32 33 43 53-0141	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0030-P)	1,843.37	104.81
32 33 43 53-0142	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0036-P)	2,038.25	104.81
32 33 43 53-0143	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0042-P)	2,233.13	104.81
32 33 43 53-0144	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0030-L)	1,843.37	104.81
32 33 43 53-0145	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0036-L)	2,038.25	104.81
32 33 43 53-0146	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0042-L)	2,233.13	104.81
32 33 43 53-0147	EA	Square Table With Four Legs (Columbia Cascade Co. 2905-3030-E)	1,753.42	104.81
32 33 43 53-0148	EA	Square Table With Four Legs (Columbia Cascade Co. 2905-3636-E)	1,888.34	104.81
32 33 43 53-0149	EA	Square Table With Four Legs (Columbia Cascade Co. 2905-4242-E)	2,023.26	104.81
32 33 43 53-0150	EA	Square Table With Four Legs (Columbia Cascade Co. 2905-3030-P)	1,753.42	104.81
32 33 43 53-0151	EA	Square Table With Four Legs (Columbia Cascade Co. 2905-3636-P)	1,888.34	104.81
32 33 43 53-0152	EA	Square Table With Four Legs (Columbia Cascade Co. 2905-4242-P)	2,023.26	104.81
32 33 43 53-0153	EA	Square Table With Four Legs (Columbia Cascade Co. 2905-3030-L)	1,753.42	104.81
32 33 43 53-0154	EA	Square Table With Four Legs (Columbia Cascade Co. 2905-3636-L)	1,888.34	104.81
32 33 43 53-0155	EA	Square Table With Four Legs (Columbia Cascade Co. 2905-4242-L)	2,023.26	104.81
32 33 43 53-0156	EA	Round Table With Center Support (Columbia Cascade Co. 2912-0030-E)	1,678.47	104.81
32 33 43 53-0157	EA	Round Table With Center Support (Columbia Cascade Co. 2912-0036-E)	1,873.35	104.81
32 33 43 53-0158	EA	Round Table With Center Support (Columbia Cascade Co. 2912-0042-E)	2,068.23	104.81
32 33 43 53-0159	EA	Round Table With Center Support (Columbia Cascade Co. 2912-0030-P)	1,813.39	104.81
32 33 43 53-0160	EA	Round Table With Center Support (Columbia Cascade Co. 2912-0036-P)	2,008.27	104.81
32 33 43 53-0161	EA	Round Table With Center Support (Columbia Cascade Co. 2912-0042-P)	2,203.15	104.81

Page 32 - 143

32 Exterior Improvements**32 30 Site Improvements****32 33 Site Furnishings**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 33 43 53-0247	EA	Square Table With Center Support (Columbia Cascade Co. 2942-3636-E).....	1,408.63	104.81
32 33 43 53-0248	EA	Square Table With Center Support (Columbia Cascade Co. 2942-4242-E).....	1,453.60	104.81
32 33 43 53-0249	EA	Square Table With Center Support (Columbia Cascade Co. 2942-3030-P).....	1,498.58	104.81
32 33 43 53-0250	EA	Square Table With Center Support (Columbia Cascade Co. 2942-3636-P).....	1,543.55	104.81
32 33 43 53-0251	EA	Square Table With Center Support (Columbia Cascade Co. 2942-4242-P).....	1,588.52	104.81
32 33 43 53-0252	EA	Round Table With Center Support (Columbia Cascade Co. 2962-0030-E).....	1,618.50	104.81
32 33 43 53-0253	EA	Round Table With Center Support (Columbia Cascade Co. 2962-0036-E).....	1,678.47	104.81
32 33 43 53-0254	EA	Round Table With Center Support (Columbia Cascade Co. 2962-0042-E).....	1,738.43	104.81
32 33 43 53-0255	EA	Round Table With Center Support (Columbia Cascade Co. 2962-0030-P).....	1,453.60	104.81
32 33 43 53-0256	EA	Round Table With Center Support (Columbia Cascade Co. 2962-0036-P).....	1,513.57	104.81
32 33 43 53-0257	EA	Round Table With Center Support (Columbia Cascade Co. 2962-0042-P).....	1,573.53	104.81
32 33 43 53-0258	EA	Square Table With Center Support (Columbia Cascade Co. 2962-3030-E).....	1,333.67	104.81
32 33 43 53-0259	EA	Square Table With Center Support (Columbia Cascade Co. 2962-3636-E).....	1,378.65	104.81
32 33 43 53-0260	EA	Square Table With Center Support (Columbia Cascade Co. 2962-4242-E).....	1,423.62	104.81
32 33 43 53-0261	EA	Square Table With Center Support (Columbia Cascade Co. 2962-3030-P).....	1,468.59	104.81
32 33 43 53-0262	EA	Square Table With Center Support (Columbia Cascade Co. 2962-3636-P).....	1,513.57	104.81
32 33 43 53-0263	EA	Square Table With Center Support (Columbia Cascade Co. 2962-4242-P).....	1,558.54	104.81

32 33 43 53-0264 Picnic Tables (32 33 43 53)**32 33 43 53-0265 Wooden Picnic Tables (32 33 43 53-0264)**

32 33 43 53-0266	EA	6' Permanent Rectangular Redwood Table	1,021.24	67.31
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32 33 43 53-0267 Portable Picnic Tables (32 33 43 53-0264)

32 33 43 53-0268	EA	6' Wood Table With Aluminum Frame	1,457.73	44.87
32 33 43 53-0269	EA	6' Aluminum Table And Frame.....	2,118.84	44.87
32 33 43 53-0270	EA	8' Aluminum Table And Frame.....	2,527.78	56.09
32 33 43 53-0271	EA	6' Steel Table And Frame	1,314.11	44.87
32 33 43 53-0272	EA	8' Steel Table And Frame	1,503.94	56.09

32 33 43 53-0273 Concrete Picnic Tables (32 33 43 53-0264)

32 33 43 53-0274	EA	72" Long x 72" Wide, Precast Concrete, One Piece, Rectangular Picnic Table With Two Integral Benches (Quikcrete QLBT72PT).....	2,583.98	179.47
32 33 43 53-0275	EA	96" Long x 72" Wide, Precast Concrete, One Piece, Rectangular Picnic Table With Two Integral Benches (Quick Crete QLBT96PT Or QLMR96PT).....	3,050.16	
		Note: Standard sealer		
32 33 43 53-0276	EA	102" Long x 72" Wide, Precast Concrete, One Piece, Rectangular Picnic Table With Two Integral Benches And Handicap Access On Two Ends (Quick Crete QLMR102PTADA).....	3,059.84	
		Note: Standard sealer		
32 33 43 53-0277	EA	42" Diameter, Precast Concrete, Round Food Court Table Set With Four Benches (Quick Crete QR42FC).....	3,240.48	
		Note: Includes table top, four benches and mounting hardware.		

32 33 43 53-0278 Plastic Picnic Tables (32 33 43 53-0264)

Note: Manufactured from recycled plastic.

32 33 43 53-0279 Pedestal Tables - 4' Square, 2 Seats (32 33 43 53-0278)

32 33 43 53-0280	EA	3" x 4" Slats, Pedestal Table, 4' Square, 2 Seats	1,449.16	67.31
32 33 43 53-0281	EA	4" x 4" Slats, Pedestal Table, 4' Square, 2 Seats	1,588.79	67.31

32 33 43 53-0282 Pedestal Tables - 4' Square, 4 Seats (32 33 43 53-0278)

32 33 43 53-0283	EA	3" x 4" Slats, Pedestal Table, 4' Square, 4 Seats	1,901.97	67.31
32 33 43 53-0284	EA	4" x 4" Slats, Pedestal Table, 4' Square, 4 Seats	2,089.48	67.31

32 33 43 53-0285 Recycled Plastic Tables (32 33 43 53-0278)

32 33 43 53-0286	EA	6' Standard "Step-Over" Table, Recycled Plastic Lumber	2,493.74	67.31
32 33 43 53-0287	EA	6' " Walk-Through" Table, Recycled Plastic Lumber.....	2,075.57	67.31
32 33 43 53-0288	EA	7' Reinforced "Step-Over" Table, Recycled Plastic Lumber, ADA Ends	2,267.74	67.31
32 33 43 53-0289	EA	8' " Walk-Through" Table, Recycled Plastic Lumber, ADA Ends	2,120.15	67.31
32 33 43 53-0290	EA	8' Reinforced "Step-Over" Table, Recycled Plastic Lumber, ADA Ends	2,670.16	67.31
32 33 43 53-0291	EA	4' Youth Table, Recycled Plastic Lumber	1,058.95	53.84

32 33 53 Site Grills (32 33)**32 33 53 00-0001 Picnic Grills (32 33 53)**

32 33 53 00-0002	EA	20" Wide x 14" Deep x 8-1/2" High Adjustable Grill	436.15	
		Note: 11 gauge with galvanized steel post.		
32 33 53 00-0003	EA	20" Wide x 14" Deep x 8-1/2" High Adjustable Grill	467.15	
		Note: 7 gauge with galvanized steel post.		

32 33 63 Skate Board Deterrent (32 33)**32 33 63 00-0001 Skate Stoppers (32 33 63)**

32 33 63 00-0002	EA	Aluminum Architectural Series Pieces, Skate Stopper.....	64.52	
		Note: Various shapes. Includes drilling and anchoring into suitable surface material.		
		For >59 To 99, Deduct	-7.01	
		For >99 To 249, Deduct	-8.84	
		For >249, Deduct	-10.66	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
32 33 63 00-0003	EA		Aluminum Fixed Angle Series Pieces, Skate Stopper .....68.43 Note: Various shapes. Includes drilling and anchoring into suitable surface material. For >59 To 99, Deduct -7.56 For >99 To 249, Deduct -9.50 For >249, Deduct -11.44		
32 33 63 00-0004	EA		Aluminum Fixed Radius Series Pieces, Skate Stopper .....47.86 Note: Various shapes. Includes drilling and anchoring into suitable surface material. For >59 To 99, Deduct -4.68 For >99 To 249, Deduct -6.00 For >249, Deduct -7.33		
32 33 63 00-0005	EA		Aluminum Bench Clips, Skate Stopper .....38.04 Note: Various shapes. Includes drilling and anchoring into suitable surface material. For >59 To 99, Deduct -3.31 For >99 To 249, Deduct -4.34 For >249, Deduct -5.36		
32 33 63 00-0006	EA		Aluminum Curve Clips, Skate Stopper .....41.71 Note: Various shapes. Includes drilling and anchoring into suitable surface material. For >59 To 99, Deduct -3.82 For >99 To 249, Deduct -4.96 For >249, Deduct -6.10		
32 33 63 00-0007	EA		Aluminum Hand Rail, Skate Stopper .....39.85 Note: Various shapes. Includes drilling and anchoring into suitable surface material. For >59 To 99, Deduct -3.56 For >99 To 249, Deduct -4.64 For >249, Deduct -5.73		
32 33 63 00-0008	EA		Aluminum 2" x 3" x 0.25" Flat Cap, Skate Stopper .....37.43 Note: Includes drilling and anchoring into suitable surface material. For >59 To 99, Deduct -3.22 For >99 To 249, Deduct -4.23 For >249, Deduct -5.24		
32 33 63 00-0009	EA		Aluminum 6" Diameter x 0.25" Rumble Disc, Skate Stopper .....52.43 Note: Includes drilling and anchoring into suitable surface material. For >59 To 99, Deduct -5.32 For >99 To 249, Deduct -6.78 For >249, Deduct -8.24		
32 33 63 00-0010	EA		Aluminum 4" x 17" x 0.25" Flat Strap, Skate Stopper .....97.41 Note: Includes drilling and anchoring into suitable surface material. For >59 To 99, Deduct -11.62 For >99 To 249, Deduct -14.43 For >249, Deduct -17.24		

32 39 Manufactured Site Specialties (32 30)

Note: Excludes coredrilling, augering, concrete footing and compaction See CSI section 02 41 19 13-0025 for concrete core drilling, 02 41 19 13-0163 for asphalt core drilling, 32 31 13 13-0002 for augering, 32 31 13 13-0019 for concrete footing, 32 31 13 13-0045 for compaction of earth.

32 39 13 Manufactured Metal Bollards (32 39)

32 39 13 00-0001			Metal Pipe Bollards (32 39 13) Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any. See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill for post and post holes.		
32 39 13 00-0002			Steel Pipe Bollard, Schedule 40 Pipe, Painted Or Powder Coated (32 39 13 00-0001)		
32 39 13 00-0003	LF		4" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated .....106.67 For Galvanized Steel, Add 13.54 For 304 Stainless Steel, Add 107.51 For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add 132.12 For Each Sleeve For Removable, Lockable Bollard (Includes Tamper Proof Screw), Add 91.98 For Schedule 80, Add 14.65 For Concrete Fill, Add Per LF Of Pipe Bollard 9.38	13.51	
32 39 13 00-0004	LF		6" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated .....152.65 For Galvanized Steel, Add 21.36 For 304 Stainless Steel, Add 169.59 For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add 132.12 For Each Sleeve For Removable, Lockable Bollard (Includes Tamper Proof Screw), Add 91.98 For Schedule 80, Add 21.55 For Concrete Fill, Add Per LF Of Pipe Bollard 13.21	13.51	
32 39 13 00-0005	LF		8" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated .....220.10 For Galvanized Steel, Add 31.67 For 304 Stainless Steel, Add 251.53 For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add 173.12 For Each Sleeve For Removable, Lockable Bollard, Add 135.72 For Schedule 80, Add 31.33 For Concrete Fill, Add Per LF Of Pipe Bollard 17.64	16.90	
32 39 13 00-0006	LF		10" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated .....295.47 For Galvanized Steel, Add 43.34 For 304 Stainless Steel, Add 344.16 For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add 200.16 For Each Sleeve For Removable, Lockable Bollard, Add 149.24 For Schedule 80, Add 42.29 For Concrete Fill, Add Per LF Of Pipe Bollard 21.55	20.27	
32 39 13 00-0007	LF		12" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated .....370.43 For Galvanized Steel, Add 53.78 For 304 Stainless Steel, Add 427.10 For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add 275.24 For Each Sleeve For Removable, Lockable Bollard, Add 204.99 For Schedule 80, Add 52.86 For Concrete Fill, Add Per LF Of Pipe Bollard 25.11	27.03	

32 Exterior Improvements**32 30 Site Improvements****32 39 Manufactured Site Specialties**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
32 39 23 Manufactured Concrete Bollards (32 39)

32 39 23 00-0001	Concrete Bollards (32 39 23)		
Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any.			
32 39 23 00-0002	Concrete Bollard, Exposed Aggregate (32 39 23 00-0001)		
32 39 23 00-0003	EA 12" x 12" x 30" High Concrete Bollard, Light Media Blast.....	603.23	108.12
Note: Surface mounted with anchor bolts embedded into grout pockets.			
32 39 23 00-0004	EA 12" Diameter x 30" High Concrete Bollard, Light Media Blast.....	603.23	108.12
Note: Surface mounted with anchor bolts embedded into grout pockets.			

32 39 25 Manufactured Wood Bollards (32 39)

32 39 25 00-0001	Wood Bollards (32 39 25)		
Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any. See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill.			
32 39 25 00-0002	Wood Bollard, Pressure Treated Timber (32 39 25 00-0001)		
32 39 25 00-0003	LF 4" x 4", Pressure Treated Wood Bollard	24.60	10.81
For Each Sleeve For Removable, Lockable Bollard, Add			
		90.28	
32 39 25 00-0004	LF 6" x 6", Pressure Treated Wood Bollard	27.72	10.81
For Each Sleeve For Removable, Lockable Bollard, Add			
		90.28	
32 39 25 00-0005	LF 8" x 8", Pressure Treated Wood Bollard	35.17	12.16
For Each Sleeve For Removable, Lockable Bollard, Add			
		133.86	
32 39 25 00-0006	LF 10" x 10", Pressure Treated Wood Bollard	49.33	16.22
For Each Sleeve For Removable, Lockable Bollard, Add			
		150.06	
32 39 25 00-0007	LF 12" x 12", Pressure Treated Wood Bollard	67.57	21.63
For Each Sleeve For Removable, Lockable Bollard, Add			
		207.57	

32 39 27 Manufactured Plastic Bollards (32 39)

32 39 27 00-0001	Plastic Bollards (32 39 27)		
See CSI section 32 31 13 13-0001 for augering and filling holes for bollards.			
32 39 27 00-0002	Recycled Plastic Bollards (32 39 27 00-0001)		
32 39 27 00-0003	EA 6" x 6" x 33" Surface Mounted Recycled Plastic Bollard	362.30	54.06
Note: Includes anchor bolts.			
32 39 27 00-0004	EA 6" Diameter x 6' Steel Reinforced Recycled Plastic Bollard.....	588.57	54.06

32 39 27 00-0005 Plastic Bollard Covers (32 39 27 00-0001)

32 39 27 00-0006	EA 4" x 60", 1/8" Thick LDPE Bollard Cover, Fits 4" To 4-1/2" Pipe	90.34	11.56
For Reflective Tape, Add			
		10.67	
32 39 27 00-0007	EA 6" x 60", 1/8" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe	97.59	12.72
For Reflective Tape, Add			
		10.67	
32 39 27 00-0008	EA 3" x 60", 1/4" Thick LDPE Bollard Cover, Fits 3" To 3 1/2" Pipe	123.94	11.56
For Reflective Tape, Add			
		10.67	
32 39 27 00-0009	EA 3-1/2" x 52", 1/4" Thick LDPE Bollard Cover, Fits 3 -1/2" To 4" Pipe	123.94	11.56
For Reflective Tape, Add			
		10.67	
32 39 27 00-0010	EA 3-1/2" x 68", 1/4" Thick LDPE Bollard Cover, Fits 3-1/2" To 4" Pipe	139.63	11.56
For Reflective Tape, Add			
		10.67	
32 39 27 00-0011	EA 4" x 52", 1/4" Thick LDPE Bollard Cover, Fits 4' To 4-1/2" Pipe	123.94	11.56
For Reflective Tape, Add			
		10.67	
32 39 27 00-0012	EA 4" x 60", 1/4" Thick LDPE Bollard Cover, Fits 4" To 4-1/2" Pipe	126.18	11.56
For Reflective Tape, Add			
		10.67	
32 39 27 00-0013	EA 5" x 52", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe	123.94	11.56
For Reflective Tape, Add			
		10.67	
32 39 27 00-0014	EA 5" x 60", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe	126.18	11.56
For Reflective Tape, Add			
		10.67	
32 39 27 00-0015	EA 5" x 72", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe	177.72	11.56
For Reflective Tape, Add			
		10.67	
32 39 27 00-0016	EA 6" x 52", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe	126.25	12.72
For Reflective Tape, Add			
		10.67	
32 39 27 00-0017	EA 6" x 65", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe	162.10	12.72
For Reflective Tape, Add			
		10.67	
32 39 27 00-0018	EA 6" x 84", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe	184.97	12.72
For Reflective Tape, Add			
		10.67	
32 39 27 00-0019	EA 7" x 56", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe	155.45	13.88
For Reflective Tape, Add			
		10.67	
32 39 27 00-0020	EA 8" x 52", 1/4" Thick LDPE Bollard Cover, Fits 7" To 7-5/16" Pipe	168.90	13.88
For Reflective Tape, Add			
		10.67	
32 39 27 00-0021	EA 8" x 69", 1/4" Thick LDPE Bollard Cover, Fits 8" To 8-5/8" Pipe	168.90	13.88
For Reflective Tape, Add			
		10.67	
32 39 27 00-0022	EA 10" x 69", 1/4" Thick LDPE Bollard Cover, Fits 10" To 11" Pipe	229.41	13.88
For Reflective Tape, Add			
		10.67	

32 39 29 Manufactured Stone Bollards (32 39)

32 39 29 00-0001	Stone Bollards (32 39 29)		
32 39 29 00-0002	Granite Bollards (32 39 29 00-0001)		
32 39 29 00-0003	EA 16" x 16" x 30" Granite Bollard, Smooth Matt Finish.....	1,660.37	135.15
Note: Surface mounted with anchors embedded into grout pockets.			
32 39 29 00-0004	EA 16" x 16" x 54" Granite Bollard, Smooth Matt Finish.....	2,097.06	189.20
Note: Surface mounted with anchors embedded into grout pockets.			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 39 29 00-0005	EA		12" x 12" x 24" Granite Bollard, Rough Finish, Pyramid Top Note: Surface mounted with anchors embedded into grout pockets.	1,013.35	135.15
32 39 29 00-0006	EA		12" Diameter x 18" Granite Bollard, Smooth Matt Finish Note: Flat Top, surface mounted with anchors embedded into grout pockets.	1,530.49	108.12
32 39 29 00-0007	EA		24" x 24" x 20" Granite Bollard, Octagonal Cross Section Note: Smooth matt finish, flat top, surface mounted with anchors embedded into grout pockets.	2,301.36	108.12
32 80 Irrigation ⁽³²⁾					
32 84 Planting Irrigation ^(32 80)					
32 84 13 Drip Irrigation ^(32 84)					
32 84 13 00-0001			Drip Emitter Irrigation Devices ^(32 84 13)		
32 84 13 00-0002			Drip Emitter Irrigation Valves ^(32 84 13 00-0001)		
32 84 13 00-0003	EA		1/2" Air/Vacuum Relief Valve For Drip Emitter Irrigation Systems (Rain Bird® ARV050)	54.58	12.43
32 84 13 00-0004	EA		1", Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rain Bird® LFV100)	91.09	12.43
32 84 13 00-0005	EA		3/4", Anti-Siphon, Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rain Bird® LFV075)	88.55	12.43
32 84 13 00-0006	EA		3/4", Latching Solenoid, Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rain Bird® LFV075TBOS)	122.85	12.43
32 84 13 00-0007			Drip Emitter Irrigation Filters ^(32 84 13 00-0001)		
32 84 13 00-0008	EA		3/4" Inlet/Outlet, Inline Basket Filter For Drip Emitter Irrigation Systems (Rain Bird® QKCHK-075)	195.34	12.43
32 84 13 00-0009	EA		1" Inlet/Outlet, Inline Basket Filter For Drip Emitter Irrigation Systems (Rain Bird® QKCHK-100)	197.23	12.43
32 84 13 00-0010	EA		3/4" Inlet/Outlet, Inline Wye Filter For Drip Emitter Irrigation Systems (Rain Bird® RBY075MPTX)	70.53	12.43
32 84 13 00-0011	EA		1" Inlet/Outlet, Inline Wye Filter For Drip Emitter Irrigation Systems (Rain Bird® RBY100MPTX)	72.04	12.43
32 84 13 00-0012	EA		1" Inlet/Outlet, Pressure Regulating, Inline Basket Filter For Drip Emitter Irrigation Systems (Rain Bird® PRB-QCHK-100)	212.91	12.43
32 84 13 00-0013	EA		3/4" Inlet/Outlet, Pressure Regulating, Inline RBY Filter For Drip Emitter Irrigation Systems (Rain Bird® PRF075RBY)	93.24	12.43
32 84 13 00-0014	EA		1" Inlet/Outlet, Pressure Regulating, Inline RBY Filter For Drip Emitter Irrigation Systems (Rain Bird® PRF100RBY)	105.06	12.43
32 84 13 00-0015			Drip Emitter Irrigation Pressure Regulators ^(32 84 13 00-0001)		
32 84 13 00-0016	EA		3/4", 6 To 300 GPH, 30 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-L30X-075)	69.00	12.43
32 84 13 00-0017	EA		3/4", 120 To 600 GPH, 30 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-M30X-075)	69.00	12.43
32 84 13 00-0018	EA		3/4", 120 To 600 GPH, 40 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-M40X-075)	69.00	12.43
32 84 13 00-0019	EA		1", 120 To 900 GPH, 40 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-M40X-100)	81.43	12.43
32 84 13 00-0020			Drip Emitter Irrigation Tubing ^(32 84 13 00-0001)		
			Note: Includes surface installation and covering of tubing with existing pine straw, pine bark etc.		
32 84 13 00-0021	LF		1/4", Landscape Dripline With Extruded Non-Pressure Compensating Drip Emitters (Rain Bird® LDQ0806100)	4.89	1.74
32 84 13 00-0022	LF		1/2", Landscape Dripline With Extruded Pressure Compensating Drip Emitters (Rain Bird® XFD0612100)	4.34	1.99
32 84 13 00-0023	LF		1/4", UV-Resistant, Polyethylene, Distribution Tubing For Drip Emitter Irrigation Systems (Rain Bird® XQ100)	3.69	1.74
			For Shallow Trenching And Backfill By Hand, Add	7.14	
32 84 13 00-0024	LF		1/2", UV-Resistant, Polyethylene, Distribution Tubing For Drip Emitter Irrigation Systems (Rain Bird® XT700100)	4.44	1.99
			For Shallow Trenching And Backfill By Hand, Add	7.72	
32 84 13 00-0025			Drip Emitter Irrigation Fittings ^(32 84 13 00-0001)		
32 84 13 00-0026	EA		1/4", Barbed Coupling For Irrigation Tubing (Rain Bird® XBF1CONN)	3.34	
32 84 13 00-0027	EA		1/4", Barbed Elbow For Irrigation Tubing (Rain Bird® XBF2EL)	3.38	
32 84 13 00-0028	EA		1/4", Barbed Tee For Irrigation Tubing (Rain Bird® XBF3TEE)	3.45	
32 84 13 00-0029	EA		1/4", Self Piercing Barbed Coupling For Irrigation Tubing (Rain Bird® SPB025)	3.67	
32 84 13 00-0030	EA		1/4", Plug For Irrigation Tubing (Rain Bird® EMAGPX)	3.30	
32 84 13 00-0031	EA		17mm, Barbed Coupling For Irrigation Tubing (Rain Bird® XFFCOUP)	3.56	
			For Compression Fitting, Add	0.45	
32 84 13 00-0032	EA		17mm, Barbed Elbow For Irrigation Tubing (Rain Bird® XFF-ELBOW)	3.69	
			For Compression Fitting, Add	0.58	
32 84 13 00-0033	EA		17mm, Barbed Tee For Irrigation Tubing (Rain Bird® XFF-TEE)	3.75	
			For Compression Fitting, Add	0.64	
32 84 13 00-0034	EA		17mm, Barbed Male Adapter For Irrigation Tubing (Rain Bird® XFFMA050)	3.79	
			For Compression Fitting, Add	0.68	
32 84 13 00-0035	EA		17mm, Barbed Cross For Irrigation Tubing (Rain Bird® XFDCROSS)	4.06	
			For Compression Fitting, Add	0.95	
32 84 13 00-0036	EA		1/2", Plug For Irrigation Tubing (Rain Bird® MDCFCAP)	4.37	
32 84 13 00-0037	EA		12 Gauge, Galvanized Stake For Irrigation Tubing (Rain Bird® TDS050BEND)	2.15	
32 84 13 00-0038			Drip Emitters ^(32 84 13 00-0001)		
32 84 13 00-0039	EA		0.5 To 2 GPH, Single Outlet, Pressure Compensating Emitter For Drip Emitter Irrigation Systems (Rain Bird® XB20PC)	6.90	
32 84 13 00-0040	EA		5 To 24 GPH, Single Outlet, Pressure Compensating Emitter For Drip Emitter Irrigation Systems (Rain Bird® PC24)	8.11	
32 84 13 00-0041	EA		0.5 To 2 GPH, Six Outlet, Pressure Compensating Emitter For Drip Emitter Irrigation Systems (Rain Bird® XB056)	17.86	

32 Exterior Improvements**32 80 Irrigation****32 84 Planting Irrigation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 84 13 00-0042		Drip Emitter Irrigation Micro-Bubblers, Sprays And Misters (32 84 13 00-0001)		
32 84 13 00-0043	EA	Adjustable Stream Bubbler With Spike For Drip Emitter Irrigation Systems (Rain Bird® SXB360SPYK)	26.72	11.18
32 84 13 00-0044	EA	Adjustable Micro Spray With Spike For Drip Emitter Irrigation Systems (Rain Bird® XS360TSPYK)	26.78	11.18
32 84 13 00-0045	EA	12" Height, Riser Assembly With Pressure Compensating Nozzle For Drip Emitter Irrigation Systems (Rain Bird® SQADP12 With SQFUL)	30.12	11.18
32 84 13 00-0046	EA	24" Height, Riser Assembly With Pressure Compensating Nozzle For Drip Emitter Irrigation Systems (Rain Bird® SQADP24 With SQFUL)	30.47	11.18
32 84 13 00-0047	EA	4" Pop-Up Height, Micro Spray Pop-Ups For Drip Emitter Irrigation Systems (Rain Bird® XP-400X With SQFUL)	44.96	14.66
		Note: Includes nozzle.		
32 84 13 00-0048	EA	6" Pop-Up Height, Micro Spray Pop-Ups For Drip Emitter Irrigation Systems (Rain Bird® XP-600X With SQFUL)	49.26	14.66
		Note: Includes nozzle.		
32 84 13 00-0049	EA	12" Pop-Up Height, Micro Spray Pop-Ups For Drip Emitter Irrigation Systems (Rain Bird® XP1200X With SQFUL)	52.07	14.66
		Note: Includes nozzle.		

32 84 13 00-0050		Subsurface Drip Emitter Irrigation Tubing (Rain Bird® XFS) (32 84 13 00-0001)		
		Note: Brown or purple tubing. Includes layout, trenching 4" to 6", installing tubing and backfilling trench.		
32 84 13 00-0051	LF	0.536" ID, 0.634" OD, Subsurface Drip Emitter Irrigation Tubing (Rain Bird® XFS Copper Shield)	4.98	2.17

32 84 23 Underground Sprinklers (32 84)

32 84 23 00-0001		Sprinkler Heads (32 84 23)		
32 84 23 00-0002		Spray Sprinkler Heads (32 84 23 00-0001)		
		Note: Includes plastic riser and case. Includes spray, variable arc or bubbler nozzle with partial or full circle coverage.		
32 84 23 00-0003	EA	2" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1802P)	39.31	13.73
		For Rotary Nozzle, Add	3.25	
32 84 23 00-0004	EA	4" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1804P)	36.88	13.73
		For Rotary Nozzle, Add	3.25	
32 84 23 00-0005	EA	6" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1806P)	45.91	13.73
		For Rotary Nozzle, Add	3.25	
32 84 23 00-0006	EA	12" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1812P)	53.48	13.73
		For Rotary Nozzle, Add	3.25	
32 84 23 00-0007	EA	4" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1804-SAM)	40.28	13.73
		For Rotary Nozzle, Add	3.25	
32 84 23 00-0008	EA	6" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1806-SAM)	53.00	13.73
		For Rotary Nozzle, Add	3.25	
32 84 23 00-0009	EA	12" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1812-SAM)	59.12	13.73
		For Rotary Nozzle, Add	3.25	
32 84 23 00-0010	EA	4" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1804-PRS)	43.90	13.73
		For Rotary Nozzle, Add	3.25	
32 84 23 00-0011	EA	6" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1806-PRS)	55.49	13.73
		For Rotary Nozzle, Add	3.25	
32 84 23 00-0012	EA	12" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1812-PRS)	61.21	13.73
		For Rotary Nozzle, Add	3.25	
32 84 23 00-0013	EA	4" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1804-SAM-PRS)	45.35	13.73
		For Rotary Nozzle, Add	3.25	
32 84 23 00-0014	EA	6" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1806-SAM-PRS)	63.14	13.73
		For Rotary Nozzle, Add	3.25	
32 84 23 00-0015	EA	12" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1812-SAM-PRS)	68.78	13.73
		For Rotary Nozzle, Add	3.25	
32 84 23 00-0016	EA	Bubbler Head With Screen, 1/2" NPT (Rain Bird® 1300)	32.13	13.73
		For Rotary Nozzle, Add	3.25	
32 84 23 00-0017	EA	Pressure Compensating Bubbler With Screen, 1/2" NPT (Rain Bird® 1400)	37.78	13.73

32 84 23 00-0018		Gear-Drive, Rotary Sprinkler Heads (32 84 23 00-0001)		
		Note: Maximum spacing is equivalent to maximum radius.		
32 84 23 00-0019		1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Heads (32 84 23 00-0018)		
		Note: Includes plastic riser and case, standard rubber cover and nozzle with partial or full circle coverage.		
32 84 23 00-0020	EA	4" Pop-Up Height, 1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 3504PC)	57.19	13.73
		For Non-Potable Cover, Add	2.00	
32 84 23 00-0021	EA	4" Pop-Up Height, 1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 3504-PC-SAM)	59.20	13.73
		For Non-Potable Cover, Add	2.00	

32 84 23 00-0022		3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Heads (32 84 23 00-0018)		
		Note: Includes plastic riser and case, standard rubber cover and nozzle with partial or full circle coverage.		
32 84 23 00-0023	EA	4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 5004-PLPC)	52.35	13.73
		For Non-Potable Cover, Add	2.00	
		For Stainless Steel Riser, Add	9.00	
32 84 23 00-0024	EA	6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 5006-PLPC)	74.10	13.73
		For Non-Potable Cover, Add	2.00	
		For Stainless Steel Riser, Add	9.00	
32 84 23 00-0025	EA	4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5004-PLPCS)	56.38	13.73
		For Non-Potable Cover, Add	2.00	
		For Stainless Steel Riser, Add	9.00	
32 84 23 00-0026	EA	6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5006-PLPCS)	77.32	13.73
		For Non-Potable Cover, Add	2.00	
		For Stainless Steel Riser, Add	9.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
32 84 23 00-0027	EA		4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Pressure Regulator (Rain Bird® 5004+PCR)	57.99	13.73
			For Non-Potable Cover, Add	2.00	
			For Stainless Steel Riser, Add	9.00	
32 84 23 00-0028	EA		4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5004+FCRSR)	61.21	13.73
			For Non-Potable Cover, Add	2.00	
			For Stainless Steel Riser, Add	9.00	
32 84 23 00-0029	EA		6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5006+PCSR)	82.15	13.73
			For Non-Potable Cover, Add	2.00	
			For Stainless Steel Riser, Add	9.00	
32 84 23 00-0030	EA		12" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5012+PCSR)	95.03	13.73
			For Non-Potable Cover, Add	2.00	
			For Stainless Steel Riser, Add	9.00	
32 84 23 00-0031	EA		Shrub Type, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5000S-PLPCS)	60.81	13.73
			For Non-Potable Cover, Add	2.00	
32 84 23 00-0032	EA		Shrub Type, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5000S+PCSR)	73.69	13.73
			For Non-Potable Cover, Add	2.00	
32 84 23 00-0033			1" Inlet, Up To 65' Spacing, Gear-Drive, Rotary Sprinkler Heads (32 84 23 00-0018) Note: Includes plastic riser and case, standard rubber cover, check valve and nozzle with partial or full circle coverage.		
32 84 23 00-0034	EA		4" Pop-Up Height, 1" Inlet, Up To 65' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® F4PC)	104.29	13.73
			For Non-Potable Cover, Add	2.00	
			For Stainless Steel Riser, Add	9.00	
			For Stainless Steel Riser And High Speed Rotor, Add	59.26	
32 84 23 00-0035			1" Inlet, Up To 80' Spacing, Gear-Drive, Rotary Sprinkler Heads (32 84 23 00-0018) Note: Includes plastic riser and case, standard rubber cover, check valve and nozzle with partial or full circle coverage.		
32 84 23 00-0036	EA		5" Pop-Up Height, 1" Inlet, Up To 80' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 8005)	151.00	13.73
			For Non-Potable Cover, Add	2.00	
			For Stainless Steel Riser, Add	9.00	
32 84 23 00-0037			Impact-Drive Sprinkler Heads (32 84 23 00-0001) Note: Includes partial or full circle coverage. Maximum spacing is equivalent to maximum radius.		
32 84 23 00-0038	EA		1/2" Inlet, Up To 45' Spacing, Pop-Up, Impact-Drive Rotary Sprinkler Head (Rain Bird® 2045A-08)	81.75	13.73
			For Non-Potable Cover, Add	2.00	
32 84 23 00-0039	EA		1/2" Inlet, Up To 45' Spacing, Riser Mounted, Plastic Body, Impact-Drive Sprinkler Head (Rain Bird® 2045-PJ08)	62.42	13.73
32 84 23 00-0040	EA		3/4" Inlet, Up To 51' Spacing, Riser Mounted, Brass/Bronze Body, Impact-Drive Sprinkler Head (Rain Bird® 35A-ADJ-TNTB)	126.81	13.73
32 84 23 00-0041			Electric Remote Control Irrigation Valves (32 84 23)		
32 84 23 00-0042			0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valves (Rain Bird® DV Series) (32 84 23 00-0041) Note: 15 to 150 PSI.		
32 84 23 00-0043	EA		3/4", 0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 75DV)	165.79	57.21
32 84 23 00-0044	EA		1", 0.2 To 40 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 100DV)	165.79	57.21
32 84 23 00-0045	EA		1", 0.2 To 40 GPM, Slip-On, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 100DVSS)	182.14	65.21
32 84 23 00-0046	EA		1", 0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Angle Valve (Rain Bird® 100DVA)	167.40	57.21
32 84 23 00-0047			0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valves With Flow Control (Rain Bird® DVF Series) (32 84 23 00-0041) Note: 15 to 150 PSI.		
32 84 23 00-0048	EA		1", 0.2 To 40 GPM, Plastic, Electric Remote Control Irrigation Valve With Flow Control (Rain Bird® 100DVF)	167.40	57.21
32 84 23 00-0049	EA		1", 0.2 To 40 GPM, Slip-On, Plastic, Electric Remote Control Irrigation Valve With Flow Control (Rain Bird® 100DVFSS)	184.56	65.21
32 84 23 00-0050	EA		1", 0.2 To 40 GPM, Male x Barb, Plastic, Electric Remote Control Irrigation Valve With Flow Control (Rain Bird® 100DVFMB)	186.17	65.21
32 84 23 00-0051			0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves (Rain Bird® PEB Series) (32 84 23 00-0041) Note: 20 to 200 PSI.		
32 84 23 00-0052	EA		1", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 100PEB)	296.24	57.21
32 84 23 00-0053	EA		1-1/2", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 150PEB)	352.61	57.21
32 84 23 00-0054	EA		2", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 200PEB)	425.08	57.21
32 84 23 00-0055			5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves With Pressure Regulator (Rain Bird® PEB PRS-D Series) (32 84 23 00-0041) Note: 20 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0056	EA		1", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 100PEB PRS-D)	432.92	64.31
32 84 23 00-0057	EA		1-1/2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 150PEB PRS-D)	489.29	64.31

32 Exterior Improvements**32 80 Irrigation****32 84 Planting Irrigation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 84 23 00-0058	EA	2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 200PEB PRS-D).....	561.76	64.31
32 84 23 00-0059		20 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves With Pressure Regulator And Scrubber Valve (Rain Bird® PESB PRS-D Series) (32 84 23 00-0041) Note: 20 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0060	EA	1", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 100PESB PRS-D).....	513.45	64.31
32 84 23 00-0061	EA	1-1/2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 150PESB PRS-D).....	569.82	64.31
32 84 23 00-0062	EA	2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 200PESB PRS-D).....	642.29	64.31
32 84 23 00-0063		0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves (Hunter IBV Series) (32 84 23 00-0041) Note: 20 to 200 PSI operating range pressure.		
32 84 23 00-0064	EA	1", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-101G-B).....	456.56	57.21
32 84 23 00-0065	EA	1-1/2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-151G-B).....	715.71	57.21
32 84 23 00-0066	EA	2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-201G-B).....	739.13	57.21
32 84 23 00-0067	EA	3", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-301G-B).....	1,767.51	77.24
32 84 23 00-0068		5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves (Rain Bird® EFB-CP Series) (32 84 23 00-0041) Note: 15 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0069	EA	1", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 100EFB-CP).....	415.45	64.31
32 84 23 00-0070	EA	1-1/4", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 125EFB-CP).....	492.51	64.31
32 84 23 00-0071	EA	1-1/2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 150EFB-CP).....	576.18	64.31
32 84 23 00-0072	EA	2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 200EFB-CP).....	686.34	64.31
32 84 23 00-0073		0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves (Hunter IBV FS Series) (32 84 23 00-0041) Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation.		
32 84 23 00-0074	EA	1", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-101G-B-FS).....	560.30	64.31
32 84 23 00-0075	EA	1-1/2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-151G-B-FS).....	867.76	64.31
32 84 23 00-0076	EA	2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-201G-B-FS).....	894.11	64.31
32 84 23 00-0077	EA	3", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-301G-B-FS).....	1,898.49	64.31
32 84 23 00-0078		0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV ACCU-SYNC Series) (32 84 23 00-0041) Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation.		
32 84 23 00-0079	EA	1", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-101G-B ACCU-SYNC-ADJ).....	573.69	57.21
32 84 23 00-0080	EA	1-1/2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-151G-B ACCU-SYNC-ADJ).....	832.84	57.21
32 84 23 00-0081	EA	2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-201G-B ACCU-SYNC-ADJ).....	856.26	57.21
32 84 23 00-0082	EA	3", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-301G-B ACCU-SYNC-ADJ).....	1,884.64	77.24
32 84 23 00-0083		5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves With Pressure Regulator (Rain Bird® EFB-CP PRS-D Series) (32 84 23 00-0041) Note: 15 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0084	EA	1", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 100EFB-CP PRS-D).....	536.24	64.31
32 84 23 00-0085	EA	1-1/4", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 125EFB-CP PRS-D).....	613.30	64.31
32 84 23 00-0086	EA	1-1/2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 150EFB-CP PRS-D).....	696.97	64.31
32 84 23 00-0087	EA	2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 200EFB-CP PRS-D).....	807.12	64.31
32 84 23 00-0088		0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV FS ACCU-SYNC Series) (32 84 23 00-0041) Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation.		
32 84 23 00-0089	EA	1", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-101G-B-FS ACCU-SYNC-ADJ).....	677.43	64.31
32 84 23 00-0090	EA	1-1/2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-151G-B-FS ACCU-SYNC-ADJ).....	984.89	64.31

Cal Poly Humboldt.			Exterior Improvements		32
			Irrigation	32 80	32
			Planting Irrigation	32 84	
MINOR			TOTAL DIRECT	DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
32 84 23 00-0091	EA	2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-201G-B-FS ACCU-SYNC-ADJ).....	1,011.24		64.31
32 84 23 00-0092	EA	3", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-301G-B-FS ACCU-SYNC-ADJ).....	2,015.61		64.31
32 84 23 00-0093	Other Electric Remote Control Valves/Accessories (32 84 23 00-0041)				
32 84 23 00-0094	EA	Pressure Regulator Module For Electric Remote Control Valves (Rain Bird® PRS-DIAL)	166.56		
32 84 23 00-0095	Remote Control Valve Assemblies (32 84 23 00-0041)				
Note: Includes excavation and disposal of soil, installation of 6" minimum depth gravel or crushed rock, woven wire cloth, valve, fittings, valve box (Carson 1419-12), as detailed in the Caltrans Standard Plans 2010 page 224.					
32 84 23 00-0096	EA	1" Glass-Filled Nylon Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® PEB) And Box (Carson 1419-12)	598.42		143.03
32 84 23 00-0097	EA	1-1/2" Glass-Filled Nylon Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® PEB) And Box (Carson 1419-12)	654.79		143.03
32 84 23 00-0098	EA	2" Glass-Filled Nylon Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® PEB) And Box (Carson 1419-12)	727.26		143.03
32 84 23 00-0099	EA	1" Glass-Filled Nylon Remote Control Scrubber Valve With Flow Control And Captured Solenoid (Rain Bird® PESB-R) And Box (Carson 1419-12)	678.95		143.03
Note: Purple components for use with recycled water					
32 84 23 00-0100	EA	1-1/2" Glass-Filled Nylon Remote Control Scrubber Valve With Flow Control And Captured Solenoid (Rain Bird® PESB-R) And Box (Carson 1419-12)	735.32		143.03
Note: Purple components for use with recycled water					
32 84 23 00-0101	EA	2" Glass-Filled Nylon Remote Control Scrubber Valve With Flow Control And Captured Solenoid (Rain Bird® PESB-R) And Box (Carson 1419-12)	807.79		143.03
Note: Purple components for use with recycled water					
32 84 23 00-0102	EA	1" Brass Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® EFB-CP-R) And Box (Carson 1419-12)	701.74		143.03
Note: Purple components for use with recycled water					
32 84 23 00-0103	EA	1-1/2" Brass Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® EFB-CP-R) And Box (Carson 1419-12)	862.47		143.03
Note: Purple components for use with recycled water					
32 84 23 00-0104	EA	2" Brass Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® EFB-CP-R) And Box (Carson 1419-12)	972.62		143.03
Note: Purple components for use with recycled water					
32 84 23 00-0105	Irrigation Valve Boxes (32 84 23)				
Note: Includes lid.					
32 84 23 00-0106	EA	6" Round Irrigation Valve Box With Lid (Rain Bird® PVB-6RND)	97.83		41.19
32 84 23 00-0107	EA	7" Round Irrigation Valve Box With Lid (Rain Bird® VB-7RND)	116.85		41.19
32 84 23 00-0108	EA	10" Round Irrigation Valve Box With Lid (Rain Bird® VB-10RND)	153.21		54.24
32 84 23 00-0109	EA	21.8" x 16.6" x 12" Depth, Rectangular Irrigation Valve Box With Lid (Rain Bird® VB-STD)	252.83		79.18
32 84 23 00-0110	EA	21.8" x 16.6" x 12" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-STDH)	258.15		79.18
32 84 23 00-0111	EA	26.3" x 19.8" x 12.1" Depth, Rectangular Irrigation Valve Box With Lid (Rain Bird® VB-JMB)	296.32		79.18
32 84 23 00-0112	EA	26.3" x 19.8" x 12.1" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-JMBH)	300.86		79.18
32 84 23 00-0113	EA	33.1" x 23.8" x 15" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-SPRH)	518.96		79.18
32 84 23 00-0114	EA	40.3" x 27.1" x 18" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-MAXH)	801.45		79.18
32 84 23 00-0115	EA	Number 5 CALTRANS Concrete Valve Box With Non-Traffic Rated Concrete Lid	464.35		134.50
For 12" Extension, Add			101.55		
32 84 23 00-0116	EA	Number 5 CALTRANS Concrete Valve Box With Non-Traffic Rated Steel Lid	741.86		134.50
For 12" Extension, Add			101.55		
32 84 23 00-0117	EA	12" x 17" x 12" Depth, Rectangular Irrigation Valve Box With Lid (Carson 1419-12)	206.71		68.65
32 84 23 00-0118	EA	15" x 21" x 12" Depth, Rectangular Irrigation Valve Box With Lid (Carson 1220-12)	298.72		79.18
32 84 23 00-0119	EA	10" Round Irrigation Valve Box With Lid (Carson 910-10)	159.33		54.24
32 84 23 00-0120	Irrigation Controllers (32 84 23)				
See CSI section 27 15 13 00-0256 for low voltage wiring.					
32 84 23 00-0121	Irrigation Controllers (32 84 23 00-0120)				
32 84 23 00-0122	Irrigation Controllers (Rain Bird®) (32 84 23 00-0121)				
32 84 23 00-0123	Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP Series) (32 84 23 00-0122)				
32 84 23 00-0124	Four Program, Modular Irrigation Controllers (Rain Bird® ESP-ME Series) (32 84 23 00-0123)				
32 84 23 00-0125	Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-MEI Series) (32 84 23 00-0124)				
32 84 23 00-0126	EA	4-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	441.18		35.90
32 84 23 00-0127	EA	7-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	615.44		35.90
32 84 23 00-0128	EA	10-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	789.72		35.90
32 84 23 00-0129	EA	13-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	963.97		35.90
32 84 23 00-0130	EA	16-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	1,102.35		35.90
32 84 23 00-0131	EA	19-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	1,281.12		35.90
32 84 23 00-0132	EA	22-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	1,459.87		35.90
32 84 23 00-0133	Four Program, Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-ME Series) (32 84 23 00-0124)				
32 84 23 00-0134	EA	4-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series)	523.56		35.90
32 84 23 00-0135	EA	7-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series)	697.81		35.90
32 84 23 00-0136	EA	10-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series)	872.09		35.90

32 Exterior Improvements**32 80 Irrigation****32 84 Planting Irrigation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 84 23 00-0137	EA	13-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	1,046.35	35.90
32 84 23 00-0138	EA	16-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	1,184.73	35.90
32 84 23 00-0139	EA	19-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	1,363.49	35.90
32 84 23 00-0140	EA	22-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	1,542.24	35.90

32 84 23 00-0141 Four Program, Modular Irrigation Controllers (Rain Bird® ESP-SMTE Series) (32 84 23 00-0123)

32 84 23 00-0142 Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-SMTEI Series) (32 84 23 00-0141)

32 84 23 00-0143	EA	4-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	727.33	35.90
32 84 23 00-0144	EA	7-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	901.58	35.90
32 84 23 00-0145	EA	10-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	1,075.86	35.90
32 84 23 00-0146	EA	13-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	1,250.12	35.90
32 84 23 00-0147	EA	16-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	1,388.50	35.90
32 84 23 00-0148	EA	19-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	1,567.26	35.90
32 84 23 00-0149	EA	22-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	1,746.01	35.90

32 84 23 00-0150 Four Program, Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-SMTE Series) (32 84 23 00-0141)

32 84 23 00-0151	EA	4-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	789.05	35.90
32 84 23 00-0152	EA	7-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	963.31	35.90
32 84 23 00-0153	EA	10-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	1,137.59	35.90
32 84 23 00-0154	EA	13-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	1,311.84	35.90
32 84 23 00-0155	EA	16-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	1,450.22	35.90
32 84 23 00-0156	EA	19-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	1,628.99	35.90
32 84 23 00-0157	EA	22-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	1,807.73	35.90

32 84 23 00-0158 Accessories For ESP-ME/MEI Irrigation Controllers (32 84 23 00-0123)

32 84 23 00-0159	EA	3-Station Expansion Module For ESP Series Irrigation Controllers (Rain Bird® ESP-SM3).....	178.76	
Note: Use task for increasing capacity of existing ESP series irrigation controllers up to a maximum of 22-stations.				
32 84 23 00-0160	EA	6-Station Expansion Module For ESP Series Irrigation Controllers (Rain Bird® ESP-SM6).....	340.33	
Note: Use task for increasing capacity of existing ESP series irrigation controllers up to a maximum of 22-stations.				
32 84 23 00-0161	EA	Smart Controller Upgrade Kit For ESP Series Irrigation Controllers (Rain Bird® ESPSMTEUPG).....	514.14	

32 84 23 00-0162 Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LX Series) (32 84 23 00-0122)

32 84 23 00-0163 Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LX Basic Series) (32 84 23 00-0162)

32 84 23 00-0164	EA	12-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	1,063.14	35.90
32 84 23 00-0165	EA	16-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	1,283.73	35.90
32 84 23 00-0166	EA	20-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	1,508.32	35.90
32 84 23 00-0167	EA	24-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	1,728.90	35.90
32 84 23 00-0168	EA	28-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	1,953.48	35.90
32 84 23 00-0169	EA	32-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	2,174.07	35.90
32 84 23 00-0170	EA	36-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	2,398.65	35.90
32 84 23 00-0171	EA	40-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	2,619.24	35.90
32 84 23 00-0172	EA	44-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	2,843.83	35.90
32 84 23 00-0173	EA	48-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	3,064.42	35.90

32 84 23 00-0174 Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LXME Series) (32 84 23 00-0162)

32 84 23 00-0175	EA	8-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	1,082.26	35.90
32 84 23 00-0176	EA	12-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	1,302.84	35.90
32 84 23 00-0177	EA	16-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	1,527.42	35.90
32 84 23 00-0178	EA	20-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	1,748.02	35.90
32 84 23 00-0179	EA	24-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	1,972.60	35.90
32 84 23 00-0180	EA	28-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	2,193.18	35.90
32 84 23 00-0181	EA	32-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	2,417.77	35.90
32 84 23 00-0182	EA	36-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	2,638.36	35.90
32 84 23 00-0183	EA	40-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	2,862.94	35.90
32 84 23 00-0184	EA	44-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	3,083.53	35.90
32 84 23 00-0185	EA	48-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	3,308.12	35.90

32 84 23 00-0186 Accessories For ESP-LX/LXME Irrigation Controllers (32 84 23 00-0162)

32 84 23 00-0187	EA	Powder Coated Steel Wall Cabinet For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMM).....	818.82	
32 84 23 00-0188	EA	Powder Coated Steel Cabinet And Pedestal For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMMPED + LXMM).....	1,907.32	
Note: Excludes concrete foundation.				
32 84 23 00-0189	EA	Stainless Steel Wall Cabinet For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMMSS).....	1,827.57	
32 84 23 00-0190	EA	Stainless Steel Cabinet And Pedestal For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMMSSPED + LXMMSS).....	4,064.65	
Note: Excludes concrete foundation.				

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0191	EA	4-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM4) Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48- stations.	220.59	
32 84 23 00-0192	EA	8-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM8) Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48- stations.	445.18	
32 84 23 00-0193	EA	12-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM12) Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48- stations.	693.22	
32 84 23 00-0194	EA	Flow Smart Water Management Module For ESP-LXME Irrigation Controllers (Rain Bird® FSM-LXME).....	261.55	
32 84 23 00-0195		Three Program, Battery-Operated, Buriable Irrigation Control Modules (Rain Bird® TBOS-II Series) (32 84 23 00-0122)		
32 84 23 00-0196		Three Program, Battery-Operated, Buriable Irrigation Control Modules (Rain Bird® TBOS-II Series) (32 84 23 00-0195)		
32 84 23 00-0197	EA	1-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series).....	527.16	35.90
32 84 23 00-0198	EA	2-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series).....	632.96	35.90
32 84 23 00-0199	EA	4-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series).....	776.66	35.90
32 84 23 00-0200		Accessories For TBOS-II Series Irrigation Controllers (32 84 23 00-0195)		
32 84 23 00-0201	EA	Field Transmitter For TBOS-II Series Irrigation Controllers (Rain Bird® TBOS2FTUS)	699.13	
32 84 23 00-0202	EA	Potted Latching Solenoid For TBOS-II Series Irrigation Controllers (Rain Bird® TBOSPSOL)	128.77	26.92
32 84 23 00-0203		Accessories For Irrigation Controllers (Rain Bird®) (32 84 23 00-0122)		
32 84 23 00-0204	EA	Wired Rain Sensor For Irrigation Controllers (Rain Bird® RSDBEX).....	173.60	26.92
32 84 23 00-0205	EA	Wireless Rain Sensor And Controller Interface For Irrigation Controllers (Rain Bird® WR2RC)	365.24	26.92
32 84 23 00-0206	EA	Wireless Rain/Freeze Sensor And Controller Interface For Irrigation Controllers (Rain Bird® WR2RFC).....	389.21	26.92
32 84 23 00-0207	EA	Soil Moisture Sensor And Controller Interface For Irrigation Controllers (Rain Bird® SMRT-Y)	596.95	26.92
32 84 23 00-0208		Two-Wire Decoder Systems (32 84 23 00-0120)		
32 84 23 00-0209		Two-Wire Decoder Systems (Rain Bird®) (32 84 23 00-0208)		
32 84 23 00-0210		Controllers For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series) (32 84 23 00-0209) Note: Includes water resistant cabinet.		
32 84 23 00-0211	EA	50-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series).....	3,170.22	35.90
32 84 23 00-0212	EA	125-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series).....	4,417.59	35.90
32 84 23 00-0213	EA	200-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series).....	5,664.97	35.90
32 84 23 00-0214		Field Decoders For Two-Wire Decoder Systems (Rain Bird®) (32 84 23 00-0209)		
32 84 23 00-0215	EA	One Individual Valve Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD101TURF).....	381.70	35.90
32 84 23 00-0216	EA	One Pair Of Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD102TURF).....	487.54	35.90
32 84 23 00-0217	EA	Two Pair Of Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD202TURF).....	733.95	35.90
32 84 23 00-0218	EA	Up To Four Individual Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD401TURF).....	903.29	35.90
32 84 23 00-0219	EA	Up To Six Individual Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD601TURF).....	1,510.04	35.90
32 84 23 00-0220		Accessories For Two-Wire Decoder Systems (Rain Bird®) (32 84 23 00-0209)		
32 84 23 00-0221	EA	50-Station Replacement Base Module For ESP-LXD Series Two Wire Decoder Based Controllers (Rain Bird® MOD50-LXD).....	2,337.34	
32 84 23 00-0222	EA	75-Station Expansion Module For ESP-LXD Series Two Wire Decoder Based Controllers (Rain Bird® SPLXDSM75)	1,247.37	
32 84 23 00-0223	EA	Line Surge Protection For ESP-LXD Series Two-Wire Decoder Systems (Rain Bird® LSP1TURF).....	287.52	31.41
32 84 23 00-0224	EA	Sensor Decoder Interface For ESP-LXD Series Two-Wire Decoder Systems (Rain Bird® SD210TURF)	1,358.16	35.90
32 84 23 00-0225		Rain Bird® Controllers (32 84 23 00-0120)		
32 84 23 00-0226	EA	Rainmaster Evolution Dx2 Controller..... Note: Includes phone modem and remote plug.	7,961.48	352.41
32 84 23 00-0227	EA	Rainmaster Promax Remote Control System	4,640.80	
32 84 23 00-0228		Rain Sensor (32 84 23 00-0120)		
32 84 23 00-0229	EA	Mini Click Rain Sensor.....	182.46	
32 84 23 00-0230		Calsense Controllers (32 84 23 00-0120)		
32 84 23 00-0231		Irrigation Controllers (32 84 23 00-0230)		
32 84 23 00-0232	EA	6 Station ET-Driven Irrigation Controller (Calsense ET2000E-6).....	2,879.12	89.73
32 84 23 00-0233	EA	8 Station ET-Driven Irrigation Controller (Calsense ET2000E-8).....	3,717.73	100.95
32 84 23 00-0234	EA	12 Station ET-Driven Irrigation Controller (Calsense ET2000E-12).....	5,108.82	112.17
32 84 23 00-0235	EA	16 Station ET-Driven Irrigation Controller (Calsense ET2000E-16).....	5,623.64	112.17
32 84 23 00-0236	EA	24 Station ET-Driven Irrigation Controller (Calsense ET2000E-24).....	6,650.59	123.38
32 84 23 00-0237	EA	32 Station ET-Driven Irrigation Controller (Calsense ET2000E-32).....	8,031.80	123.38
32 84 23 00-0238	EA	40 Station ET-Driven Irrigation Controller (Calsense ET2000E-40).....	9,096.42	134.60
32 84 23 00-0239	EA	48 Station ET-Driven Irrigation Controller (Calsense ET2000E-48).....	10,188.84	134.60
32 84 23 00-0240	EA	Upgrade Existing Calsense Controller To ET2000E (Calsense ET2000E-UPGRADE).....	2,943.48	44.87

32 Exterior Improvements**32 80 Irrigation****32 84 Planting Irrigation**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 84 23 00-0241	EA	Upgrade Existing Calsense Controller With 8 Additional Stations (Calsense STATION UPGRADE)	1,231.23	44.87
32 84 23 00-0242 Irrigation Controller Accessories (32 84 23 00-0230)				
32 84 23 00-0243	EA	Set Of 10 Keys For Calsense Controllers Or Enclosures (Calsense KEY-1)	120.54	
32 84 23 00-0244	EA	Spare Lock For Enclosures (Calsense PAD)	130.59	
32 84 23 00-0245	EA	Hardware And Software For Up To 4 Additional Light Circuits (Calsense L)	153.03	11.22
32 84 23 00-0246	EA	Transformer For Irrigation Controllers (Calsense TR-1)	215.29	44.87
32 84 23 00-0247	EA	AC Line Protection For Irrigation Controllers (Calsense TP-110)	604.55	44.87
32 84 23 00-0248	EA	Transient Protection Board For Irrigation Controller Stations (Calsense TP-1)	805.45	44.87
		<i>For Outdoor Gray Powder Coated Stainless Steel Enclosure, Add</i>	358.92	
32 84 23 00-0249 Sensors For Irrigation Controllers (32 84 23 00-0230)				
32 84 23 00-0250 Flow Sensors (32 84 23 00-0249)				
32 84 23 00-0251	EA	1-1/2" Polyvinyl Chloride (PVC) Schedule 80 Tee Mounted Flow Meter (Calsense FM 1.5)	1,415.36	67.31
		<i>For Flow Meter Replacement Insert Only, Deduct</i>	-1,030.62	
32 84 23 00-0252	EA	2" Polyvinyl Chloride (PVC) Schedule 80 Tee Mounted Flow Meter (Calsense FM 2)	1,465.59	67.31
		<i>For Flow Meter Replacement Insert Only, Deduct</i>	-1,080.85	
32 84 23 00-0253	EA	3" Polyvinyl Chloride (PVC) Schedule 80 Tee Mounted Flow Meter (Calsense FM 3)	1,515.82	67.31
		<i>For Flow Meter Replacement Insert Only, Deduct</i>	-1,131.08	
32 84 23 00-0254	EA	1" Brass Tee Mounted Flow Meter (Calsense FM 1B)	1,673.69	89.73
		<i>For Flow Meter Replacement Insert Only, Deduct</i>	-1,288.64	
32 84 23 00-0255	EA	1-1/4" Brass Tee Mounted Flow Meter (Calsense FM 1.25B)	1,799.26	89.73
		<i>For Flow Meter Replacement Insert Only, Deduct</i>	-1,414.21	
32 84 23 00-0256	EA	1-1/2" Brass Tee Mounted Flow Meter (Calsense FM 1.5B)	1,849.48	89.73
		<i>For Flow Meter Replacement Insert Only, Deduct</i>	-1,464.43	
32 84 23 00-0257	EA	2" Brass Tee Mounted Flow Meter (Calsense FM 2B)	2,175.95	89.73
		<i>For Flow Meter Replacement Insert Only, Deduct</i>	-1,662.72	
32 84 23 00-0258	EA	2" Pipe Saddle Mounted Insertion Flow Meter (Calsense FMBX)	1,696.96	44.87
		<i>Note: For 4" and larger pipe. Excludes pipe saddle.</i>		
		<i>For Flow Meter Replacement Insert Only, Deduct</i>	-1,183.73	
32 84 23 00-0259 Moisture Sensors (32 84 23 00-0249)				
32 84 23 00-0260	EA	Soil Moisture Sensor (Calsense 1000-S)	594.68	33.65
32 84 23 00-0261 Weather Sensors (32 84 23 00-0249)				
32 84 23 00-0262	EA	Wind Gage, Irrigation Weather Sensor (Calsense WG-1)	1,623.47	89.73
32 84 23 00-0263	EA	Tipping Rain Bucket, Irrigation Weather Sensor (Calsense RB-1)	1,853.16	179.47
32 84 23 00-0264	EA	ET Gage, Irrigation Weather Sensor (Calsense ETG)	3,722.24	134.60
32 84 23 00-0265 Weather Sensor Accessories (32 84 23 00-0249)				
32 84 23 00-0266	EA	Ceramic Cup For ET Gage Weather Sensor (Calsense ETG-C)	1,094.25	
32 84 23 00-0267	EA	Removal And Replacement Of Circuit Board For ET Gage Weather Sensor (Calsense ETG-PCB)	2,073.66	
32 84 23 00-0268	EA	Vandal Resistant Mounting Base For ET Gage Enclosure (Calsense ETGE-BASE)	1,094.25	44.87
32 84 23 00-0269	EA	Vandal Resistant Stainless Steel Enclosure For ET Gage (Calsense ETGE)	2,543.61	44.87
32 84 23 00-0270 Antennas For Irrigation Controllers (32 84 23 00-0230)				
		<i>Note: Excludes antenna cable.</i>		
32 84 23 00-0271	EA	Local Radio Dome Antenna (Calsense LR-DOME)	566.88	44.87
32 84 23 00-0272	EA	Local Radio Stick Antenna (Calsense LR-STICK)	830.56	44.87
32 84 23 00-0273	EA	Local Radio Yagi Antenna (Calsense LR-YAGI)	920.30	89.73
32 84 23 00-0274	EA	Local Radio And Calsense Radio, Remote Dome Antenna (Calsense LR-DOME-RR)	566.88	44.87
32 84 23 00-0275	EA	Local Radio And Calsense Radio, Enhanced Remote Dome Antenna (Calsense LR-DOME-RRE)	566.88	44.87
32 84 23 00-0276	EA	GPRS Stubby Antenna (Calsense GR-STUBBY)	566.88	44.87
32 84 23 00-0277	EA	GPRS Stick Antenna (Calsense GR-STICK)	830.56	44.87
32 84 23 00-0278	EA	Spread Spectrum Dome Antenna (Calsense SR-DOME)	566.88	44.87
32 84 23 00-0279	EA	Spread Spectrum Stick Antenna (Calsense SR-STICK)	830.56	44.87
32 84 23 00-0280	EA	Spread Spectrum Yagi Antenna (Calsense SR-YAGI)	920.30	89.73
32 84 23 00-0281	EA	Spread Spectrum And Calsense Radio, Remote Dome Antenna (Calsense SR-DOME-RR)	566.88	44.87
32 84 23 00-0282	EA	Spread Spectrum And Calsense Radio, Enhanced Remote Dome Antenna (Calsense SR-DOME-RRE)	566.88	44.87
32 84 23 00-0283	EA	Spread Spectrum Stubby Antenna (Calsense SR-STUBBY)	566.88	44.87
32 84 23 00-0284	EA	WiFi Stubby Antenna (Calsense WEN-STUBBY)	566.88	44.87
32 84 23 00-0285	LF	Antenna Cable With End Connectors (Calsense LMR-400-DB)	15.64	0.54
32 84 23 00-0286	EA	Surge Protection Device For Antenna (Calsense ANT-PROT)	572.24	22.44
32 84 23 00-0287	EA	5' High, Non-Penetrating, Antenna Tripod Mount (Calsense ANT-TRIP5)	931.02	44.87
32 84 23 00-0288	EA	3' Antenna Stand Off Mount For 3" Maximum Tower Leg (Calsense ANT-SOM)	816.17	
32 84 23 00-0289	EA	Local Radio Frequency Filter (Calsense LR-FILTER)	1,155.20	
32 84 23 00-0290	EA	Spread Spectrum Frequency Filter (Calsense SR-FILTER)	853.84	
32 84 23 00-0291 Pedestals And Enclosures For Irrigation Controllers (32 84 23 00-0230)				
32 84 23 00-0292	EA	15 Amperes, Circuit Breaker With Enclosure For Irrigation Controllers (Calsense SSE-BREAKER)	511.30	67.31
32 84 23 00-0293	EA	Standard Gray Powder Coated Stainless Steel Controller Enclosure (Calsense C-BOX)	1,251.69	112.17
32 84 23 00-0294	EA	Indoor Wall Mount, Stainless Steel Back Panel (Calsense SSBP)	1,408.16	44.87
		<i>Note: Includes GFI and receptacle.</i>		
32 84 23 00-0295	EA	Standard Gray Powder Coated Stainless Steel Pedestal (Calsense PD-1)	1,687.10	33.65
		<i>Note: Includes factory installed transient protection board and AC line protection.</i>		
32 84 23 00-0296	EA	Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE)	5,305.08	33.65
		<i>Note: Includes factory installed transient protection board and AC line protection.</i>		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0297	EA	Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE-R).....	5,993.98	33.65
Note: Includes factory installed transient protection board, AC line protection and dome antenna.				
32 84 23 00-0298	EA	Double-Wide Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE-D).....	8,692.43	67.31
Note: Includes factory installed transient protection boards and AC line protection. Pre-wired for two controllers.				
32 84 23 00-0299	EA	Double-Wide Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE-D-R).....	9,111.93	67.31
Note: Includes factory installed transient protection boards, AC line protection and dome antenna. Pre-wired for two controllers.				
32 84 23 00-0300	EA	Bolt Mounting Template For Heavy-Duty Stainless Steel Enclosures (Calsense SSE-CAM).....	296.40	
32 84 23 00-0301	EA	Stainless Steel Fully Enclosed Riser For Calsense SSE Enclosures (Calsense SSE-PED).....	958.82	
32 84 23 00-0302	Central Computer For Irrigation Control Systems (32 84 23 00-0230)			
32 84 23 00-0303	EA	Central Computer For Irrigation Control Systems (Calsense COMP-2).....	6,687.60	
Note: Includes a minimum of 133 MHz Pentium, 32 Meg Ram, 1.2 GB hard drive, 14.4 modem and a printer. Excludes Command Center Water Management software.				
32 84 23 00-0304	EA	Command Center Water Management Software For Central Computer (Calsense COMM-1).....	11,847.18	
32 84 23 00-0305	EA	Up To 5 Simultaneous Users Capacity, Calsense Advantage Client/Server Database Add-On (Calsense CS-5).....	2,270.79	
Note: Package price for up to 5 users. Includes remote communication through internet connection.				
32 84 23 00-0306	EA	>5 To 10 Simultaneous Users Capacity, Calsense Advantage Client/Server Database Add-On (Calsense CS-10).....	4,478.77	
Note: Package price for 6 to 10 users. Includes remote communication through internet connection.				
32 84 23 00-0307	EA	Data Logger With Phone Modem For Irrigation Control Systems (Calsense DL-2).....	7,213.89	
32 84 23 00-0308	EA	GPRS Radio For Use At Central Computer (Calsense DTR-G).....	4,314.87	
32 84 23 00-0309	Data Access Service (32 84 23 00-0230)			
32 84 23 00-0310	EA	1 Month, Data Access Plan For Up To 2 Controllers (Calsense COMM-1MN).....	36.53	
Note: For communication between GPRS unit and up to 2 controllers.				
32 84 23 00-0311	EA	1 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-1YR).....	399.52	
Note: For communication between GPRS unit and up to 2 controllers.				
32 84 23 00-0312	EA	5 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-5YR).....	1,712.25	
Note: For communication between GPRS unit and up to 2 controllers.				
32 84 23 00-0313	EA	1 Month, Data Access Plan For Up To 2 Controllers (Calsense COMM-1MN-M).....	148.40	
Note: For communication between GPRS unit and multiple controllers.				
32 84 23 00-0314	EA	1 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-1YR-M).....	1,598.10	
Note: For communication between GPRS unit and multiple controllers.				
32 84 23 00-0315	EA	5 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-5YR-M).....	6,849.00	
Note: For communication between GPRS unit and multiple controllers.				
32 84 23 00-0316	Communication Options For Irrigation Controllers (32 84 23 00-0230)			
32 84 23 00-0317	EA	FCC License Fee (Calsense).....	238.93	
32 84 23 00-0318	EA	P.C.I.A. And/or A.P.C.O. Fee (Calsense).....	467.23	
Note: Per frequency or frequency pair.				
32 84 23 00-0319	EA	Hardware Communication Option For Irrigation Controllers (Calsense M).....	1,324.14	
Note: Allows multiple controllers to be chained together via a communications cable and share one phone line.				
32 84 23 00-0320	EA	Phone Line Communication Option For Irrigation Controllers (Calsense R).....	1,392.63	
32 84 23 00-0321	EA	Ethernet Communication Option For Irrigation Controllers (Calsense EN).....	1,392.63	
32 84 23 00-0322	EA	WiFi Communication Option For Irrigation Controllers (Calsense WEN).....	2,853.75	
32 84 23 00-0323	EA	Local Radio Communication Option For Irrigation Controllers (Calsense LR).....	3,629.97	
32 84 23 00-0324	EA	Spread Spectrum Radio Communication Option For Irrigation Controllers (Calsense SR).....	3,629.97	
32 84 23 00-0325	EA	GPRS Radio Modem Communication Option For Irrigation Controllers (Calsense GR).....	3,629.97	
32 84 23 00-0326	EA	Fiber Optic Modem Communication Option For Irrigation Controllers (Calsense FOM).....	11,643.30	
32 84 23 00-0327	EA	Communication Hub For Irrigation Controllers (Calsense HUB).....	4,479.60	
Note: Accepts up to two communication options. Excludes communication options.				
32 84 23 00-0328	Retrofit Options For Irrigation Controllers (32 84 23 00-0230)			
32 84 23 00-0329	Weather Retrofits For Irrigation Controllers (32 84 23 00-0328)			
32 84 23 00-0330	EA	Add One Flow Sensor Interface To An Existing Calsense Controller (Calsense F-RETRO).....	1,767.73	
32 84 23 00-0331	EA	Add One ET Gage Interface To An Existing Calsense Controller (Calsense G-RETRO).....	1,767.73	
32 84 23 00-0332	EA	Add One Tipping Rain Bucket Interface To An Existing Calsense Controller (Calsense RB-RETRO).....	1,767.73	
32 84 23 00-0333	EA	Add One Wind Gage Interface To An Existing Calsense Controller (Calsense WG-RETRO).....	1,767.73	
32 84 23 00-0334	Phone Communication Retrofits For Irrigation Controllers (32 84 23 00-0328)			
32 84 23 00-0335	EA	Add The Ability To Chain To Another Calsense Controller With The Phone Line Communication Option And Share One Phone Line (Calsense M-RETRO).....	1,859.05	
32 84 23 00-0336	EA	Add The Phone Line Communication Option To An Existing Calsense Controller (Calsense R-RETRO).....	2,201.51	
32 84 23 00-0337	EA	Add The Phone Line Communication Option And The Ability To Chain To Another Calsense Controller And Share One Phone Line (Calsense MLR-RETRO).....	3,537.06	
32 84 23 00-0338	Local Radio Communication Retrofits For Irrigation Controllers (32 84 23 00-0328)			
32 84 23 00-0339	EA	Add The Ability To Chain To Another Calsense Controller With The Local Radio Communication Option And Share One Local Radio (Calsense ML-RETRO).....	2,087.35	
32 84 23 00-0340	EA	Add The Local Radio Communication Option To An Existing Calsense Controller (Calsense LR-RETRO).....	4,416.01	
32 84 23 00-0341	EA	Add The Local Radio Communication Option And The Ability To Chain To Another Calsense Controller And Share One Local Radio (Calsense MLR-RETRO).....	5,740.15	
32 84 23 00-0342	Spread Spectrum Radio Communication Retrofits For Irrigation Controllers (32 84 23 00-0328)			
32 84 23 00-0343	EA	Add The Ability To Chain To Another Calsense Controller With The Spread Spectrum Radio Communication Option And Share One Spread Spectrum Radio (Calsense MS-Retro).....	2,087.35	

32 Exterior Improvements**32 80 Irrigation****32 84 Planting Irrigation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 84 23 00-0344	EA	Add The Spread Spectrum Radio Communication Option To An Existing Calsense Controller (Calsense SR-RETRO).....	4,416.01	
32 84 23 00-0345	EA	Add The Spread Spectrum Radio Communication Option And The Ability To Chain To Another Calsense Controller And Share One Spread Spectrum Radio (Calsense MSR-RETRO)	5,740.15	

32 84 23 00-0346 Ethernet Communication Retrofits For Irrigation Controllers (32 84 23 00-0328)

32 84 23 00-0347	EA	Add The Ability To Chain To Another Calsense Controller With The Ethernet Communication Option And Share One Ethernet Device (Calsense ME-RETRO).....	2,087.35	
32 84 23 00-0348	EA	Add The Ethernet Communication Option To An Existing Calsense Controller (Calsense EN-RETRO).....	2,201.51	
32 84 23 00-0349	EA	Add The Ethernet Communication Option And The Ability To Chain To Another Calsense Controller And Share One Ethernet Device (Calsense MEN-RETRO)	3,537.06	

32 84 23 00-0350 GPRS Radio Modem Communication Retrofits For Irrigation Controllers (32 84 23 00-0328)

32 84 23 00-0351	EA	Add The Ability To Chain To Another Calsense Controller With The GPRS Communication Option And Share One GPRS Modem (Calsense MG-RETRO).....	2,087.35	
32 84 23 00-0352	EA	Add The GPRS Communication Option To An Existing Calsense Controller (Calsense GR-RETRO).....	4,416.01	
32 84 23 00-0353	EA	Add The GPRS Communication Option And The Ability To Chain To Another Calsense Controller And Share One GPRS Modem (Calsense MGR-RETRO)	5,740.15	

32 84 23 00-0354 Radio Remote Units For Irrigation Controllers (32 84 23 00-0230)

32 84 23 00-0355	EA	Enhanced Radio Remote Hand-Held Transmitter With Carry Case (Calsense RRe-TRAN).....	2,098.77	
32 84 23 00-0356	EA	Calsense Integrated Radio Remote Receiver Board (Calsense RR/RRe)..... Note: Includes polyvinyl chloride (PVC) stick antenna. Excludes antenna cable.	452.03	
32 84 23 00-0357	EA	Wall Mount Charger For Hand-Held Transmitter (Calsense RRTRAN-CHG)	194.06	
32 84 23 00-0358	EA	Removal And Replacement Of Battery For Hand-Held Transmitter (Calsense RRTRAN-BAT)	342.06	
32 84 23 00-0359	EA	Polyvinyl Chloride (PVC) Stick Antenna For Radio Remote Receiver Board (Calsense RR-ANT)..... Note: Excludes antenna cable.	216.50	11.22
32 84 23 00-0360	EA	Whip Antenna For Radio Remote Receiver Board (Calsense RRe-WHIP)..... Note: Excludes antenna cable.	421.96	11.22
32 84 23 00-0361	EA	Dome Antenna For Radio Remote Receiver Board (Calsense RR-Dome/RRe-Dome)..... Note: Excludes antenna cable.	456.21	11.22

32 84 23 00-0362 Hydro-Safe WeatherTrak Controllers (32 84 23 00-0120)**32 84 23 00-0363 Front Entry Pedestal Irrigation Controllers (32 84 23 00-0362)**

Note: HydroPoint WeatherTrak ETPro2 Commercial controller assembly in StrongBox SB-18SS enclosure.

32 84 23 00-0364	EA	12 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS1-WTPRO2SC12S).....	8,978.59	112.17
32 84 23 00-0365	EA	18 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS1-WTPRO2SC18S).....	9,558.98	112.17
32 84 23 00-0366	EA	24 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS1-WTPRO2SC24S).....	10,161.80	123.38
32 84 23 00-0367	EA	30 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS1-WTPRO2SC30S).....	10,863.11	123.38
32 84 23 00-0368	EA	36 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS1-WTPRO2SC36S).....	11,443.50	123.38
32 84 23 00-0369	EA	42 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS1-WTPRO2SC42S).....	12,022.14	134.60
32 84 23 00-0370	EA	48 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS1-WTPRO2SC48S).....	12,602.53	134.60

32 84 23 00-0371 Back-to-Back Dual Irrigation Controllers (32 84 23 00-0362)

Note: HydroPoint WeatherTrak ETPro2 Dual back-to-back controller assembly in StrongBox SB-18DSS enclosure.

32 84 23 00-0372	EA	12+18 Back-to-back Dual Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS5-WTPRO2SC1218S)....	16,592.72	134.60
32 84 23 00-0373	EA	12+24 Back-to-back Dual Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS5-WTPRO2SC1224S)....	17,148.93	134.60
32 84 23 00-0374	EA	12+36 Back-to-back Dual Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS5-WTPRO2SC1236S)....	18,393.98	152.54
32 84 23 00-0375	EA	12+42 Back-to-back Dual Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS5-WTPRO2SC1242S)....	19,046.92	152.54
32 84 23 00-0376	EA	18+24 Back-to-back Dual Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS5-WTPRO2SC1824S)....	17,729.33	134.60
32 84 23 00-0377	EA	18+36 Back-to-back Dual Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS5-WTPRO2SC1836S)....	19,046.92	152.54
32 84 23 00-0378	EA	18+42 Back-to-back Dual Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS5-WTPRO2SC1842S)....	19,627.32	152.54
32 84 23 00-0379	EA	24+24 Back-to-back Dual Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS5-WTPRO2SC2424S)....	18,345.62	152.54
32 84 23 00-0380	EA	24+36 Back-to-back Dual Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS5-WTPRO2SC2436S)....	19,627.32	152.54
32 84 23 00-0381	EA	24+42 Back-to-back Dual Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS5-WTPRO2SC2442S)....	20,219.43	170.50
32 84 23 00-0382	EA	36+36 Back-to-back Dual Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS5-WTPRO2SC3636S)....	20,944.92	170.50
32 84 23 00-0383	EA	36+42 Back-to-back Dual Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS5-WTPRO2SC3642S)....	21,501.12	170.50
32 84 23 00-0384	EA	42+42 Back-to-back Dual Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS5-WTPRO2SC4242S)....	22,117.41	188.44

32 84 23 00-0385 Wall Mount/Retrofit Mount Irrigation Controllers (32 84 23 00-0362)

Note: HydroPoint WeatherTrak ETPro2 wall mount / retrofit controller assembly.

32 84 23 00-0386	EA	12 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS718-WTPRO2SC12S).....	5,472.05	112.17
32 84 23 00-0387	EA	18 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS718-WTPRO2SC18S).....	5,955.71	112.17
32 84 23 00-0388	EA	24 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS718-WTPRO2SC24S).....	6,558.53	123.38
32 84 23 00-0389	EA	30 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS718-WTPRO2SC30S).....	7,259.84	123.38
32 84 23 00-0390	EA	36 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS718-WTPRO2SC36S).....	7,840.23	123.38
32 84 23 00-0391	EA	42 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS718-WTPRO2SC42S).....	8,443.05	134.60

32 84 23 00-0392 Top Mount Irrigation Controllers (32 84 23 00-0362)

Note: HydroPoint WeatherTrak ETPro2 stainless steel top mount controller assembly.

32 84 23 00-0393	EA	12 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS16-WTPRO2SC12S).....	9,558.98	112.17
32 84 23 00-0394	EA	18 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS16-WTPRO2SC18S).....	10,139.37	112.17
32 84 23 00-0395	EA	24 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS16-WTPRO2SC24S).....	10,766.37	123.38
32 84 23 00-0396	EA	30 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS16-WTPRO2SC30S).....	11,443.50	123.38
32 84 23 00-0397	EA	36 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS16-WTPRO2SC36S).....	12,023.89	123.38
32 84 23 00-0398	EA	42 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS16-WTPRO2SC42S).....	12,626.71	134.60

Cal Poly Humboldt.			Exterior Improvements		32	32
			Irrigation		32 80	
			Planting Irrigation		32 84	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
32 84 23 00-0399	EA	48	Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS16-WTPRO2SC48S).....	13,182.92		134.60
32 84 23 00-0400			Wall Mount Irrigation Controllers (32 84 23 00-0362) Note: HydroPoint WeatherTrak ETPro2 stainless steel wall mount controller assembly.			
32 84 23 00-0401	EA	12	Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS7-WTPRO2SC12S).....	7,068.13		112.17
32 84 23 00-0402	EA	18	Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS7-WTPRO2SC18S).....	7,648.52		112.17
32 84 23 00-0403	EA	24	Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS7-WTPRO2SC24S).....	8,251.34		123.38
32 84 23 00-0404	EA	30	Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS7-WTPRO2SC30S).....	8,952.65		123.38
32 84 23 00-0405	EA	36	Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS7-WTPRO2SC36S).....	9,533.04		123.38
32 84 23 00-0406	EA	42	Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS7-WTPRO2SC42S).....	10,135.86		134.60
32 84 23 00-0407	EA	48	Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS7-WTPRO2SC48S).....	10,692.07		134.60
32 84 23 00-0408			Accessories (32 84 23 00-0362)			
32 84 23 00-0409	EA		WeatherTRAK Central Internet Management Upgrade (HydroPoint WTEXB-PRO2-CIM)	2,630.03		
32 84 23 00-0410	EA		Central Pancake Antenna (HydroPoint ANT-GRPS-PC)	402.45		
32 84 23 00-0411	EA		Central Antenna Amplifier Kit (HydroPoint ANT-AMP-C-Kit)	3,307.16		
32 84 23 00-0412	EA		Central Antenna Amplifier Kit With YAGI Antenna (HydroPoint ANT-AMP-C-Yagi-Kit)	4,334.93		
32 84 23 00-0413	EA		6-Station Key - ET PRO2 Smart Water Manager Series (HydroPoint WTPRO2S-6STA-KEY)	819.43		
32 84 23 00-0414	EA		24-Station Output Board - ET PRO2 Smart Water Manager Series (HydroPoint WTPRO2S-STA-EXT-BRD).....	1,203.24		
32 84 23 00-0415			Satellite Irrigation Controllers (Rain Bird® ESP-SAT) (32 84 23 00-0120) Note: Satellite controllers compatible with Maxi-Con Central Control. Includes link communication with SEMET at the controller and stainless steel cabinet. Excludes concrete pad.			
32 84 23 00-0416	EA	12	Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP12SATLS)	4,900.75		201.91
32 84 23 00-0417	EA	24	Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP24SATLS)	5,168.24		213.12
32 84 23 00-0418	EA	40	Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP40SATLS)	7,194.78		224.34
32 84 23 00-0419			LEIT Controllers (32 84 23 00-0120)			
32 84 23 00-0420			LEIT X Series Irrigation Controller (32 84 23 00-0419)			
32 84 23 00-0421	EA	10	Station, Four Program Ambient Light Irrigation Controller (LEIT X Series).....	4,617.21		35.90
32 84 23 00-0422	EA	12	Station, Four Program Ambient Light Irrigation Controller (LEIT X Series).....	5,067.25		35.90
32 84 23 00-0423	EA	16	Station, Four Program Ambient Light Irrigation Controller (LEIT X Series).....	5,796.17		35.90
32 84 23 00-0424	EA	20	Station, Four Program Ambient Light Irrigation Controller (LEIT X Series).....	6,525.10		35.90
32 84 23 00-0425	EA	24	Station, Four Program Ambient Light Irrigation Controller (LEIT X Series).....	7,037.97		35.90
32 84 23 00-0426	EA	28	Station, Four Program Ambient Light Irrigation Controller (LEIT X Series).....	7,550.83		35.90
32 84 23 00-0427			LEIT X Series Irrigation Controller Assembly (32 84 23 00-0419) Note: Includes excavation and concrete for footing, 2" diameter galvanized steel pole (minimum 18" bury), 2" sweeps, controller, and number 5 concrete box with non-traffic rated lid per detail.			
32 84 23 00-0428	EA	10	Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole.....	5,193.37		186.62
32 84 23 00-0429	EA	12	Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole.....	5,643.43		186.62
32 84 23 00-0430	EA	16	Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole.....	6,372.35		186.62
32 84 23 00-0431	EA	20	Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole.....	7,101.27		186.62
32 84 23 00-0432	EA	24	Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole.....	7,614.15		186.62
32 84 23 00-0433	EA	28	Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole.....	8,127.02		186.62
32 84 23 00-0434			Enclosure For LEIT Controller Assembly (32 84 23 00-0419) Note: Includes mounting bolts to concrete foundation and installation of enclosure per detail.			
32 84 23 00-0435	EA		12" x 12" x 54" Milled Steel, #9 Expanded Metal, Painted Per Detail, Enclosure With Access Hatch	3,515.14		248.33
			Note: For LEIT Controller			
32 84 23 00-0436			Hunter Controllers (32 84 23 00-0120)			
32 84 23 00-0437			Hunter XC Hybrid Controller (32 84 23 00-0436) Note: Operates DC latching solenoids with battery power or a plug in 24 VAC transformer. Includes 6 AA batteries, outdoor stainless steel enclosure and installation of controller in Irrigation Controller Enclosure.			
32 84 23 00-0438	EA	6	Station Hybrid Irrigation Controller With Stainless Steel Enclosure (Hunter XCH-600-SS)	751.92		89.73
32 84 23 00-0439	EA	12	Station Hybrid Irrigation Controller With Stainless Steel Enclosure (Hunter XCH-1200-SS)	957.12		112.17
32 84 23 00-0440			DC Latching Solenoid (32 84 23 00-0120)			
32 84 23 00-0441	EA		DC Latching Solenoid (Micro Power Solenoid) For Non-LEIT Controllers	41.05		
			Note: As per manufacture of valve.			
32 84 23 00-0442	EA		DC Solenoid For LEIT Controllers (DIG S-305DC)	65.38		
32 84 23 00-0443			Irrigation Controller Enclosure Cabinet (32 84 23 00-0120) Note: Includes excavation, installation of concrete foundation, mounting bolts, sweeps, number 5 concrete pull box with non-traffic rated lid and installation of enclosure per detail.			
32 84 23 00-0444	EA		35" (H) x 18" (W) x 12" (D), 12 Gauge Cold Rolled Steel Irrigation Controller Enclosure Cabinet, Powdercoated (Tan).....	3,323.74		493.17
32 84 23 00-0445	EA		35" (H) x 24" (W) x 12" (D), 12 Gauge Cold Rolled Steel Irrigation Controller Enclosure Cabinet, Powdercoated (Tan).....	3,584.96		538.01
32 84 23 00-0446	EA		35" (H) x 36" (W) x 12" (D), 12 Gauge Cold Rolled Steel Irrigation Controller Enclosure Cabinet, Powdercoated (Tan).....	3,963.89		582.83
32 84 23 00-0447	EA		35" (H) x 18" (W) x 12" (D), 0.125" 5052-H-32 Aluminum Irrigation Controller Enclosure Cabinet,	3,323.77		493.17
32 84 23 00-0448	EA		35" (H) x 24" (W) x 12" (D), 0.125" 5052-H-32 Aluminum Steel Irrigation Controller Enclosure Cabinet	3,584.96		538.01
32 84 23 00-0449	EA		35" (H) x 36" (W) x 12" (D), 0.125" 5052-H-32 Aluminum Steel Irrigation Controller Enclosure Cabinet	3,963.89		582.83

32 Exterior Improvements**32 80 Irrigation****32 84 Planting Irrigation**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 84 23 00-0450	EA	35" (H) x 18" (W) x 12" (D), Type 304 Stainless Steel Irrigation Controller Enclosure Cabinet.....	4,150.77	493.17
32 84 23 00-0451	EA	35" (H) x 24" (W) x 12" (D), Type 304 Stainless Steel Irrigation Controller Enclosure Cabinet.....	4,515.34	538.01
32 84 23 00-0452	EA	35" (H) x 36" (W) x 12" (D), Type 304 Stainless Steel Irrigation Controller Enclosure Cabinet.....	4,894.26	582.83

32 84 23 00-0453 Irrigation Valves (32 84 23)**32 84 23 00-0454 Reduced Pressure Zone Valves With QT Shut-Offs** (32 84 23 00-0453)

Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 009 QT series).

32 84 23 00-0455	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M3 QT series)	880.40	47.22
32 84 23 00-0456	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	1,044.46	57.66
32 84 23 00-0457	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	1,580.08	67.10
32 84 23 00-0458	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	1,670.12	77.04
32 84 23 00-0459	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	2,003.30	99.41

32 84 23 00-0460 Brass Quick-Coupling Irrigation Valves (32 84 23 00-0453)

32 84 23 00-0461	EA	3/4", 1-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 3RC).....	194.60	41.19
		<i>For Valve Key, Add</i>	59.19	
32 84 23 00-0462	EA	3/4", 2-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 33DRC)	201.45	41.19
		<i>For Locking Cover, Add</i>	25.00	
		<i>For Valve Key, Add</i>	59.19	
32 84 23 00-0463	EA	1", 1-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 44RC)	276.74	41.19
		<i>For Valve Key, Add</i>	151.39	
32 84 23 00-0464	EA	1", 2-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 44LRC).....	304.12	41.19
		<i>For Valve Key, Add</i>	151.39	
32 84 23 00-0465	EA	1", 1-Piece Brass Body, Non-Potable (Purple) Quick-Coupling Irrigation Valve (Rain Bird® 5NP).....	291.23	41.19
32 84 23 00-0466	EA	1", 2-Piece Brass Body, Non-Potable (Purple) Quick-Coupling Irrigation Valve (Rain Bird® 44NP).....	304.12	41.19

32 84 23 00-0467 Anti-Siphon Pressure Type Vacuum Breaker (32 84 23 00-0453)

Note: Pressure: 15 to 150 PSI, temperature: 33 to 140 degrees Fahrenheit.

32 84 23 00-0468	EA	3/4" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT).....	304.41	34.79
32 84 23 00-0469	EA	1" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT).....	436.29	39.76
32 84 23 00-0470	EA	1-1/4" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT).....	791.80	45.97
32 84 23 00-0471	EA	1-1/2" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT).....	964.45	50.94
32 84 23 00-0472	EA	2" Anti-Siphon Pressure Type Vacuum Breaker	972.65	62.13

32 84 23 00-0473 Aluminum Cam And Groove Adapter (32 84 23 00-0453)

32 84 23 00-0474	EA	1-1/2" Type A Aluminum Cam And Groove Male Adapter x 1-1/2" NPT Female Pipe Thread.....	44.54	
32 84 23 00-0475	EA	2" Type A Aluminum Cam And Groove Male Adapter x 2" NPT Female Pipe Thread	47.04	
32 84 23 00-0476	EA	1-1/2" Type F Aluminum Cam And Groove Male Adapter x 1-1/2" NPT Male Pipe Thread	45.84	
32 84 23 00-0477	EA	2" Type F Aluminum Cam And Groove Male Adapter x 2" NPT Male Pipe Thread	49.48	

32 84 23 00-0478 Manual Sprinkler Control Valves (32 84 23 00-0453)

32 84 23 00-0479	EA	3/4" Manual Sprinkler Control Valves, With Union	106.03	33.55
32 84 23 00-0480	EA	1" Manual Sprinkler Control Valves, With Union	129.23	36.04
32 84 23 00-0481	EA	1-1/4" Manual Sprinkler Control Valves, With Union.....	198.52	45.60
32 84 23 00-0482	EA	1-1/2" Manual Sprinkler Control Valves, With Union.....	235.39	52.57
32 84 23 00-0483	EA	2" Manual Sprinkler Control Valves, With Union	316.05	62.13

32 84 23 00-0484 Irrigation Piping (32 84 23)**32 84 23 00-0485 Irrigation Piping With Fittings, On Grade With Pipe Stabilizers** (32 84 23 00-0484)

Note: Install stabilizers every 20', at change of direction and at sprinkler heads less than 12" tall.

32 84 23 00-0486 Schedule 40 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, On Grade With Pipe Stabilizers (32 84 23 00-0485)

32 84 23 00-0487	LF	1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	3.53	1.15
		<i>For >1,000, Deduct</i>	-0.18	
32 84 23 00-0488	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	4.32	1.43
		<i>For >1,000, Deduct</i>	-0.22	
32 84 23 00-0489	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	5.25	1.71
		<i>For >1,000, Deduct</i>	-0.26	
32 84 23 00-0490	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	7.00	2.17
		<i>For >1,000, Deduct</i>	-0.35	
32 84 23 00-0491	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	8.81	2.72
		<i>For >1,000, Deduct</i>	-0.44	
32 84 23 00-0492	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	11.40	3.18
		<i>For >1,000, Deduct</i>	-0.57	
32 84 23 00-0493	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	15.56	4.58
		<i>For >1,000, Deduct</i>	-0.78	
32 84 23 00-0494	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	20.47	5.72
		<i>For >1,000, Deduct</i>	-1.02	
32 84 23 00-0495	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	29.70	7.15
		<i>For >1,000, Deduct</i>	-1.49	

32 84 23 00-0496 Class 200, SDR-21 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, On Grade With Pipe Stabilizers (32 84 23 00-0485)

32 84 23 00-0497	LF	3/4" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers	4.03	1.43
		<i>For >1,000, Deduct</i>	-0.20	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0498	LF		1" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers <i>For >1,000, Deduct</i>	4.77 -0.24	1.71
32 84 23 00-0499	LF		1-1/2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers <i>For >1,000, Deduct</i>	6.66 -0.33	2.17
32 84 23 00-0500	LF		2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers <i>For >1,000, Deduct</i>	8.53 -0.43	2.72
32 84 23 00-0501	LF		2-1/2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers <i>For >1,000, Deduct</i>	10.97 -0.55	3.18
32 84 23 00-0502	LF		3" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers <i>For >1,000, Deduct</i>	15.40 -0.77	4.58
32 84 23 00-0503	LF		4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers <i>For >1,000, Deduct</i>	21.36 -1.07	5.72
32 84 23 00-0504	LF		6" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers <i>For >1,000, Deduct</i>	35.36 -1.77	7.15
32 84 23 00-0505 Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, On Grade With Pipe Stabilizers (32 84 23 00-0485)					
32 84 23 00-0506	LF		3/4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers <i>For >1,000, Deduct</i>	4.27 -0.21	1.43
32 84 23 00-0507	LF		1" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers <i>For >1,000, Deduct</i>	5.10 -0.26	1.71
32 84 23 00-0508	LF		1-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers <i>For >1,000, Deduct</i>	7.29 -0.36	2.17
32 84 23 00-0509	LF		2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers <i>For >1,000, Deduct</i>	9.57 -0.48	2.72
32 84 23 00-0510	LF		2-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers <i>For >1,000, Deduct</i>	12.63 -0.63	3.18
32 84 23 00-0511	LF		3" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers <i>For >1,000, Deduct</i>	15.56 -0.78	4.58
32 84 23 00-0512	LF		4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers <i>For >1,000, Deduct</i>	20.47 -1.02	5.72
32 84 23 00-0513	LF		6" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers <i>For >1,000, Deduct</i>	30.25 -1.51	7.15
32 84 23 00-0514 Irrigation Piping With Fittings, Trenching, Cover, Backfilled And Compacted (32 84 23 00-0484)					
Note: Install thrust blocks per Caltrans details for 3" piping and larger, upstream of remote control valve.					
32 84 23 00-0515 Schedule 40 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 12" Of Cover, Backfilled And Compacted (32 84 23 00-0514)					
32 84 23 00-0516	LF		3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	6.41 -0.32	1.43
32 84 23 00-0517	LF		1" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	7.35 -0.37	1.71
32 84 23 00-0518	LF		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	9.09 -0.45	2.17
32 84 23 00-0519	LF		2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	10.90 -0.55	2.72
32 84 23 00-0520	LF		2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	13.50 -0.68	3.18
32 84 23 00-0521	LF		3" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	17.66 -0.88	4.58
32 84 23 00-0522	LF		4" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	22.57 -1.13	5.72
32 84 23 00-0523	LF		6" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	31.81 -1.59	7.15
32 84 23 00-0524 Schedule 40 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 18" Of Cover, Backfilled And Compacted (32 84 23 00-0514)					
32 84 23 00-0525	LF		3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	6.67 -0.33	1.43
32 84 23 00-0526	LF		1" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	7.61 -0.38	1.71
32 84 23 00-0527	LF		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	9.35 -0.47	2.17
32 84 23 00-0528	LF		2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	11.17 -0.56	2.72
32 84 23 00-0529	LF		2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	13.76 -0.69	3.18
32 84 23 00-0530	LF		3" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	17.92 -0.90	4.58
32 84 23 00-0531	LF		4" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	22.82 -1.14	5.72
32 84 23 00-0532	LF		6" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	32.06 -1.60	7.15
32 84 23 00-0533 Schedule 40 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 24" Of Cover, Backfilled And Compacted (32 84 23 00-0514)					
32 84 23 00-0534	LF		3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	6.92 -0.35	1.43
32 84 23 00-0535	LF		1" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	7.86 -0.39	1.71

32 Exterior Improvements**32 80 Irrigation****32 84 Planting Irrigation**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
32 84 23 00-0536	LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	9.60 -0.48		2.17	
32 84 23 00-0537	LF 2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	11.42 -0.57		2.72	
32 84 23 00-0538	LF 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	14.02 -0.70		3.18	
32 84 23 00-0539	LF 3" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	18.17 -0.91		4.58	
32 84 23 00-0540	LF 4" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	23.08 -1.15		5.72	
32 84 23 00-0541	LF 6" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	32.32 -1.62		7.15	
32 84 23 00-0542 Class 200, SDR-21 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 12" Of Cover, Backfilled And Compacted (32 84 23 00-0514)					
32 84 23 00-0543	LF 3/4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	6.26 -0.31		1.43	
32 84 23 00-0544	LF 1" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	7.10 -0.36		1.71	
32 84 23 00-0545	LF 1-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	9.11 -0.46		2.17	
32 84 23 00-0546	LF 2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	11.40 -0.57		2.72	
32 84 23 00-0547	LF 2-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	14.31 -0.72		3.18	
32 84 23 00-0548	LF 3" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	17.50 -0.88		4.58	
32 84 23 00-0549	LF 4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	23.47 -1.17		5.72	
32 84 23 00-0550	LF 6" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	37.46 -1.87		7.15	
32 84 23 00-0551 Class 200, SDR-21 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 18" Of Cover, Backfilled And Compacted (32 84 23 00-0514)					
32 84 23 00-0552	LF 3/4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	6.52 -0.33		1.43	
32 84 23 00-0553	LF 1" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	7.36 -0.37		1.71	
32 84 23 00-0554	LF 1-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	9.37 -0.47		2.17	
32 84 23 00-0555	LF 2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	11.67 -0.58		2.72	
32 84 23 00-0556	LF 2-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	14.57 -0.73		3.18	
32 84 23 00-0557	LF 3" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	17.76 -0.89		4.58	
32 84 23 00-0558	LF 4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	23.72 -1.19		5.72	
32 84 23 00-0559	LF 6" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	37.71 -1.89		7.15	
32 84 23 00-0560 Class 200, SDR-21 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 24" Of Cover, Backfilled And Compacted (32 84 23 00-0514)					
32 84 23 00-0561	LF 3/4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	6.77 -0.34		1.43	
32 84 23 00-0562	LF 1" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	7.61 -0.38		1.71	
32 84 23 00-0563	LF 1-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	9.62 -0.48		2.17	
32 84 23 00-0564	LF 2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	11.92 -0.60		2.72	
32 84 23 00-0565	LF 2-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	14.83 -0.74		3.18	
32 84 23 00-0566	LF 3" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	18.01 -0.90		4.58	
32 84 23 00-0567	LF 4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	23.98 -1.20		5.72	
32 84 23 00-0568	LF 6" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	37.97 -1.90		7.15	
32 84 23 00-0569 Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 12" Of Cover, Backfilled And Compacted (32 84 23 00-0514)					
32 84 23 00-0570	LF 3/4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	6.36 -0.32		1.43	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0571	LF	1" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	7.19 -0.36	1.71
32 84 23 00-0572	LF	1-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	9.38 -0.47	2.17
32 84 23 00-0573	LF	2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	11.66 -0.58	2.72
32 84 23 00-0574	LF	2-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	14.73 -0.74	3.18
32 84 23 00-0575	LF	3" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	17.66 -0.88	4.58
32 84 23 00-0576	LF	4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	22.57 -1.13	5.72
32 84 23 00-0577	LF	6" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	32.36 -1.62	7.15
32 84 23 00-0578 Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 18" Of Cover, Backfilled And Compacted (32 84 23 00-0514)				
32 84 23 00-0579	LF	3/4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	6.62 -0.33	1.43
32 84 23 00-0580	LF	1" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	7.45 -0.37	1.71
32 84 23 00-0581	LF	1-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	9.64 -0.48	2.17
32 84 23 00-0582	LF	2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	11.93 -0.60	2.72
32 84 23 00-0583	LF	2-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	14.99 -0.75	3.18
32 84 23 00-0584	LF	3" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	17.92 -0.90	4.58
32 84 23 00-0585	LF	4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	22.82 -1.14	5.72
32 84 23 00-0586	LF	6" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	32.61 -1.63	7.15
32 84 23 00-0587 Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 24" Of Cover, Backfilled And Compacted (32 84 23 00-0514)				
32 84 23 00-0588	LF	3/4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	6.87 -0.34	1.43
32 84 23 00-0589	LF	1" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	7.70 -0.39	1.71
32 84 23 00-0590	LF	1-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	9.89 -0.49	2.17
32 84 23 00-0591	LF	2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	12.18 -0.61	2.72
32 84 23 00-0592	LF	2-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	15.25 -0.76	3.18
32 84 23 00-0593	LF	3" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	18.17 -0.91	4.58
32 84 23 00-0594	LF	4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	23.08 -1.15	5.72
32 84 23 00-0595	LF	6" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	32.87 -1.64	7.15
32 84 23 00-0596 Irrigation Riser Piping With Fittings (32 84 23 00-0484)				
32 84 23 00-0597	EA	1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 6" Exposed, Type IV Note: Includes #4 steel reinforcing bar, stainless steel hose clamp	20.77	3.43
32 84 23 00-0598	EA	3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 6" Exposed, Type IV Note: Includes #4 steel reinforcing bar, stainless steel hose clamp	22.36	4.29
32 84 23 00-0599	EA	1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 12" Exposed, Type IV Note: Includes #4 steel reinforcing bar, stainless steel hose clamp	22.20	4.01
32 84 23 00-0600	EA	3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 12" Exposed, Type IV Note: Includes #4 steel reinforcing bar, stainless steel hose clamp	24.15	5.00
32 84 23 00-0601	EA	1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 24" Exposed, Type I Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties	44.25	6.01
32 84 23 00-0602	EA	3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 24" Exposed, Type I Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties	47.01	7.51
32 84 23 00-0603	EA	1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 36" Exposed, Type I Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties	52.00	7.72
32 84 23 00-0604	EA	3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 36" Exposed, Type I Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties	55.56	9.66
32 84 23 00-0605	EA	1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 48" Exposed, Type I Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties	59.77	9.44
32 84 23 00-0606	EA	3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 48" Exposed, Type I Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties	64.11	11.80

32 Exterior Improvements**32 80 Irrigation****32 84 Planting Irrigation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 84 23 00-0607		Irrigation Crossover Piping With Fittings (32 84 23 00-0484) Note: Install per Caltrans details. Includes thrust blocks, HDPE sleeve pipe and fittings, 3" pvc irrigation piping and 1" electrical pvc conduit. Excludes #5 concrete irrigation pull boxes on ends, electrical control wiring. See CSI section 32 84 23 00-0105 for #5 concrete pull box, 32 84 23 00-0651 for irrigation wiring.		
32 84 23 00-0608		Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 24" Open Trench (32 84 23 00-0607)		
32 84 23 00-0609	LF	6" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 24" Open Trench Installation	42.92	
		For >1,000, Deduct	-2.15	
32 84 23 00-0610	LF	8" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 24" Open Trench Installation	60.71	
		For >1,000, Deduct	-3.04	
32 84 23 00-0611	LF	10" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 24" Open Trench Installation	83.78	
		For >1,000, Deduct	-4.19	
32 84 23 00-0612	LF	12" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 24" Open Trench Installation	110.71	
		For >1,000, Deduct	-5.54	
32 84 23 00-0613		Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 36" Open Trench (32 84 23 00-0607)		
32 84 23 00-0614	LF	6" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation	43.68	
		For >1,000, Deduct	-2.18	
32 84 23 00-0615	LF	8" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation	61.56	
		For >1,000, Deduct	-3.08	
32 84 23 00-0616	LF	10" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation	84.72	
		For >1,000, Deduct	-4.24	
32 84 23 00-0617	LF	12" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation	111.74	
		For >1,000, Deduct	-5.59	
32 84 23 00-0618		Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 48" Open Trench (32 84 23 00-0607)		
32 84 23 00-0619	LF	6" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 48" Open Trench Installation	44.46	
		For >1,000, Deduct	-2.22	
32 84 23 00-0620	LF	8" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation	62.42	
		For >1,000, Deduct	-3.12	
32 84 23 00-0621	LF	10" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation	85.66	
		For >1,000, Deduct	-4.28	
32 84 23 00-0622	LF	12" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation	112.76	
		For >1,000, Deduct	-5.64	
32 84 23 00-0623		Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), Directional Bore (32 84 23 00-0607)		
32 84 23 00-0624	LF	6" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), Directional Bore Installation	101.43	
		For >1,000, Deduct	-5.07	
32 84 23 00-0625	LF	8" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), Directional Bore Installation	131.05	
		For >1,000, Deduct	-6.55	
32 84 23 00-0626	LF	10" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), Directional Bore Installation	159.97	
		For >1,000, Deduct	-8.00	
32 84 23 00-0627	LF	12" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), Directional Bore Installation	192.72	
		For >1,000, Deduct	-9.64	
32 84 23 00-0628		Below Ground Cam Adapter Assembly (32 84 23 00-0484) Note: Includes minimum 6" depth gravel or crushed rock, woven wire cloth, jumbo valve box with 15" x 21.5" cover, 1-1/2" brass ball valve, 1-1/2" aluminum male cam adapter x female NPT, 1-1/2" PVC elbow, 2" PVC reducing tee, 30" PVC pipe		
32 84 23 00-0629	EA	Below Ground Cam Adapter Assembly	762.38	
		Note: Includes 6" depth gravel or crushed rock, woven wire cloth, jumbo valve box with 15" x 21.5" cover, 1-1/2" brass ball valve, 1-1/2" aluminum male cam adapter x female NPT, 1-1/2" PVC elbow, 2" PVC reducing tee, 30" PVC pipe.		
32 84 23 00-0630		Above Ground Cam Adapter Assembly (32 84 23 00-0484) Note: Includes concrete thrust block, 1-1/2" plastic ball valve, 1-1/2" aluminum male cam adapter x female NPT, 1-1/2" PVC elbow, 2" PVC reducing tee, 30" PVC pipe		
32 84 23 00-0631	EA	Above Ground Cam Adapter Assembly	469.67	
		Note: Includes concrete thrust block, 1-1/2" plastic ball valve, 1-1/2" aluminum male cam adapter x female NPT, 1-1/2" PVC elbow, 2" PVC reducing tee, 30" PVC pipe.		
32 84 23 00-0632		Thrust Block (32 84 23 00-0484)		
32 84 23 00-0633	EA	Thrust Block For 1-1/2" Pipe Size And Smaller	38.58	
32 84 23 00-0634	EA	Thrust Block For 2" Pipe	66.00	
32 84 23 00-0635	EA	Thrust Block For 3" And 4" Pipe	93.42	
32 84 23 00-0636	EA	Thrust Block For 6" Pipe	149.02	
32 84 23 00-0637	EA	Thrust Block For 8" Pipe	211.26	
32 84 23 00-0638		Irrigation Swing Joints (32 84 23)		
32 84 23 00-0639	EA	3/4" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint (Rain Bird® TSJ12075)	74.41	22.77
32 84 23 00-0640	EA	1" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint (Rain Bird® TSJ12)	84.84	25.42
32 84 23 00-0641	EA	1" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint With 70 PSI Pressure Regulator (Rain Bird® TSJ100PRS)	117.06	25.42

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0642	EA	1/2" Diameter, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type I.....	48.04	29.68
		Note: Consists of three threaded 90-degree elbows and 12" threaded pipe.		
32 84 23 00-0643	EA	3/4" Diameter, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type I.....	64.20	39.59
		Note: Consists of three threaded 90-degree elbows and 12" threaded pipe.		
32 84 23 00-0644	EA	1" Diameter, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type I.....	80.85	48.55
		Note: Consists of three threaded 90-degree elbows and 12" threaded pipe.		
32 84 23 00-0645	EA	1/2" Diameter, 24" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRAN Type II.....	68.24	30.14
		Note: Consists of one threaded 90-degree elbow, one threaded x socket 90 degree elbow, one adapter and 24" threaded pipe.		
32 84 23 00-0646	EA	3/4" Diameter, 24" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRAN Type II.....	90.24	39.99
		Note: Consists of one threaded 90-degree elbow, one threaded x socket 90 degree elbow, one adapter and 24" threaded pipe.		
32 84 23 00-0647	EA	1" Diameter, 24" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRAN Type II.....	111.07	49.04
		Note: Consists of one threaded 90-degree elbow, one threaded x socket 90 degree elbow, one adapter and 24" threaded pipe.		
32 84 23 00-0648	EA	1/2" Diameter, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type III.....	38.57	18.46
		Note: Consists of two street 90-degree elbows.		
32 84 23 00-0649	EA	3/4" Diameter, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type III.....	51.56	24.61
		Note: Consists of two street 90-degree elbows.		
32 84 23 00-0650	EA	1" Diameter, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type III.....	61.31	30.52
		Note: Consists of two street 90-degree elbows.		
32 84 23 00-0651		Irrigation Control Wire (32 84 23)		
		Note: Excludes excavation and backfill.		
32 84 23 00-0652		18 AWG, Irrigation Control Wire, Buried In Trench (32 84 23 00-0651)		
32 84 23 00-0653	CLF	1-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	55.45	17.17
32 84 23 00-0654	CLF	2-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	72.90	20.03
32 84 23 00-0655	CLF	3-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	83.91	22.89
32 84 23 00-0656	CLF	4-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	96.09	25.75
32 84 23 00-0657	CLF	5-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	109.42	28.61
32 84 23 00-0658	CLF	6-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	131.00	31.46
32 84 23 00-0659	CLF	7-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	151.67	34.32
32 84 23 00-0660	CLF	8-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	164.82	37.18
32 84 23 00-0661	CLF	9-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	181.03	40.04
32 84 23 00-0662	CLF	10-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	199.69	42.91
32 84 23 00-0663	CLF	11-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	206.55	45.77
32 84 23 00-0664	CLF	12-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	214.61	48.63
32 84 23 00-0665	CLF	13-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	226.42	51.49
32 84 23 00-0666		16 AWG, Irrigation Control Wire, Buried In Trench (32 84 23 00-0651)		
32 84 23 00-0667	CLF	1-Conductor, 16 AWG, Irrigation Control Wire, Buried In Trench	58.57	17.17
32 84 23 00-0668		14 AWG, Irrigation Control Wire, Buried In Trench (32 84 23 00-0651)		
32 84 23 00-0669	CLF	1-Conductor, 14 AWG, Irrigation Control Wire, Buried In Trench	58.58	17.17
32 84 23 00-0670		12 AWG, Irrigation Control Wire, Buried In Trench (32 84 23 00-0651)		
32 84 23 00-0671	CLF	1-Conductor, 12 AWG, Irrigation Control Wire, Buried In Trench	79.21	17.17
32 84 23 00-0672		10 AWG, Irrigation Control Wire, Buried In Trench (32 84 23 00-0651)		
32 84 23 00-0673	CLF	1-Conductor, 10 AWG, Irrigation Control Wire, Buried In Trench	105.36	17.17
32 84 23 00-0674		Root Watering Systems (32 84 23)		
		Note: Includes swing assembly.		
32 84 23 00-0675	EA	0.25 GPM Bubbler On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-1401).....	122.61	22.89
		For Root Watering Sand Sock, Add	5.90	
32 84 23 00-0676	EA	0.25 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-C-1401)	133.27	22.89
		For Root Watering Sand Sock, Add	5.90	
32 84 23 00-0677	EA	0.5 GPM Bubbler On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-1402).....	122.61	22.89
		For Root Watering Sand Sock, Add	5.90	
32 84 23 00-0678	EA	0.5 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-C-1402)	133.27	22.89
		For Root Watering Sand Sock, Add	5.90	
32 84 23 00-0679	EA	1 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-C-1404)	133.27	22.89
		For Root Watering Sand Sock, Add	5.90	
32 84 23 00-0680	EA	0.25 GPM Bubbler On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-1401)	106.31	20.03
		For Root Watering Sand Sock, Add	5.33	
32 84 23 00-0681	EA	0.25 GPM Bubbler And Check Valve On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-C-1401)	116.54	20.03
		For Root Watering Sand Sock, Add	5.33	
32 84 23 00-0682	EA	0.5 GPM Bubbler On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-1402)	106.31	20.03
		For Root Watering Sand Sock, Add	5.33	
32 84 23 00-0683	EA	0.5 GPM Bubbler And Check Valve On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-C-1402)	116.54	20.03
		For Root Watering Sand Sock, Add	5.33	
32 84 23 00-0684	EA	0.25 GPM Bubbler On Riser, 10" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-S-B-1401)	69.57	17.17
		For Root Watering Sand Sock, Add	4.76	

32 Exterior Improvements**32 80 Irrigation****32 84 Planting Irrigation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 84 23 00-0685	EA	0.25 GPM Bubbler And Check Valve On Riser, 10" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-S-B-C-1401).....	79.32	17.17
		For Root Watering Sand Sock, Add	4.76	

32 90 Planting ⁽³²⁾

Note: Plant installation includes the initial watering only. The extended watering period for the establishment of lawns, plants and trees is addressed on a per plant per amount per occurrence basis as directed in the specification. cvs = cultivar or cultivated varieties. See CSI section 32 01 90 26-0000 for additional "extended watering period" tasks.

32 91 Planting Preparation ^(32 90)**32 91 13 Soil Preparation** ^(32 91)**32 91 13 16 Mulching** ^(32 91 13)

32 91 13 16-0001		Mulch ^(32 91 13 16) Note: Includes loading, delivery up to 15 miles and spreading. 1 CY = 108 SF of mulch spread 3" thick. See CSI section 01 74 19 00-0045 for hauling greater than 15 miles.		
32 91 13 16-0002	CY	Pea Gravel Mulch	127.46	
		For >5 To 20, Deduct	-10.01	
		For >20 To 50, Deduct	-15.02	
		For >50, Deduct	-21.39	
		For Work On Slopes >2.5:1, Add	14.57	
32 91 13 16-0003	CY	Stone/Gravel Mulch, Marble Chips	309.70	
		For >5 To 20, Deduct	-19.13	
		For >20 To 50, Deduct	-28.69	
		For >50, Deduct	-44.17	
		For Work On Slopes >2.5:1, Add	14.57	
32 91 13 16-0004	CY	Stone Mulch, Decomposed Granite Chips	114.32	
		For >5 To 20, Deduct	-9.36	
		For >20 To 50, Deduct	-14.04	
		For >50, Deduct	-19.75	
		For Work On Slopes >2.5:1, Add	14.57	
32 91 13 16-0005	CY	Pine Bark Nugget Mulch	114.83	
		For >5 To 20, Deduct	-9.38	
		For >20 To 50, Deduct	-14.07	
		For >50, Deduct	-19.82	
		For Work On Slopes >2.5:1, Add	14.57	
32 91 13 16-0006	CY	Hardwood Bark Nugget Mulch	113.15	
		For >5 To 20, Deduct	-9.30	
		For >20 To 50, Deduct	-13.95	
		For >50, Deduct	-19.61	
		For Work On Slopes >2.5:1, Add	14.57	
32 91 13 16-0007	CY	Pine Wood Chip Mulch	109.79	
		For >5 To 20, Deduct	-9.13	
		For >20 To 50, Deduct	-13.70	
		For >50, Deduct	-19.19	
		For Work On Slopes >2.5:1, Add	14.57	
32 91 13 16-0008	CY	Hardwood Chip Mulch	116.51	
		For >5 To 20, Deduct	-9.47	
		For >20 To 50, Deduct	-14.20	
		For >50, Deduct	-20.03	
		For Work On Slopes >2.5:1, Add	14.57	
32 91 13 16-0009	CY	Shredded Hardwood Mulch	116.51	
		For >5 To 20, Deduct	-9.47	
		For >20 To 50, Deduct	-14.20	
		For >50, Deduct	-20.03	
		For Work On Slopes >2.5:1, Add	14.57	
32 91 13 16-0010	CY	Shredded Pine Mulch	101.39	
		For >5 To 20, Deduct	-8.71	
		For >20 To 50, Deduct	-13.07	
		For >50, Deduct	-18.14	
		For Work On Slopes >2.5:1, Add	14.57	
32 91 13 16-0011	CY	Shredded Cedar Mulch	134.15	
		For >5 To 20, Deduct	-10.35	
		For >20 To 50, Deduct	-15.52	
		For >50, Deduct	-22.23	
		For Work On Slopes >2.5:1, Add	14.57	
32 91 13 16-0012	CY	Shredded Cypress Mulch	131.63	
		For >5 To 20, Deduct	-10.22	
		For >20 To 50, Deduct	-15.33	
		For >50, Deduct	-21.92	
		For Work On Slopes >2.5:1, Add	14.57	
32 91 13 16-0013	CY	Shredded Redwood Mulch	138.35	
		For >5 To 20, Deduct	-10.56	
		For >20 To 50, Deduct	-15.84	
		For >50, Deduct	-22.76	
		For Work On Slopes >2.5:1, Add	14.57	
32 91 13 16-0014	CY	Chunk Recycled Tire Mulch	210.61	
		For >5 To 20, Deduct	-15.18	
		For >20 To 50, Deduct	-22.77	
		For >50, Deduct	-33.30	
		For Work On Slopes >2.5:1, Add	18.60	
32 91 13 16-0015	CY	Chunk Colored Recycled Tire Mulch	326.53	
		For >5 To 20, Deduct	-20.98	
		For >20 To 50, Deduct	-31.47	
		For >50, Deduct	-47.79	
		For Work On Slopes >2.5:1, Add	18.60	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 91 13 16-0016	CY	Shredded Recycled Tire Mulch.....	328.21	
		For >5 To 20, Deduct	-21.06	
		For >20 To 50, Deduct	-31.59	
		For >50, Deduct	-48.00	
		For Work On Slopes >2.5:1, Add	18.60	
32 91 13 16-0017	CY	Shredded Colored Recycled Tire Mulch.....	560.05	
		For >5 To 20, Deduct	-32.65	
		For >20 To 50, Deduct	-48.98	
		For >50, Deduct	-76.98	
		For Work On Slopes >2.5:1, Add	18.60	
32 91 13 16-0018	EA	Pine Straw Mulch Bale.....	9.84	
		Note: Covers 50 SF at a thickness of 2" to 4" forming a uniform mat through which none of the original ground surface can be seen.		
		For >100 To 250, Deduct	-0.69	
		For >250 To 500, Deduct	-0.89	
		For >500, Deduct	-1.18	
		For Work On Slopes >2.5:1, Add	0.80	
32 91 13 16-0019	EA	Wheat Straw Mulch Bale.....	9.89	
		Note: Covers 350 SF forming a uniform mat through which 20 to 40% of the original ground surface can be seen.		
		For >100 To 250, Deduct	-0.64	
		For >250 To 500, Deduct	-0.79	
		For >500, Deduct	-1.14	
		For Work On Slopes >2.5:1, Add	0.60	
32 91 13 16-0020		Compost Soil Amendment (AgriService) (32 91 13 16)		
		Note: Includes loading, delivery up to 15 miles and spreading. See CSI section 01 74 19 00-0045 for hauling greater than 15 miles.		
32 91 13 16-0021	CY	Humic Compost (OIM).....	93.87	
		Note: (Agri Service or Equal)		
		For Work On Slopes >2.5:1, Add	14.57	
		For >100 To 1,000, Deduct	-15.62	
		For >1,000, Deduct	-23.95	
32 91 13 26		Planting Beds (32 91 13)		
		Note: Not for use when installing trees and shrubs.		
32 91 13 26-0001		Plant Bed Preparation (32 91 13 26)		
		Note: Not for use when installing trees and shrubs.		
32 91 13 26-0002	SF	Up To 8" Deep, Prepare And Mix Plant Bed, By Machine.....	1.17	
		Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.		
		For Work On Slopes >2.5:1, Add	0.23	
32 91 13 26-0003	SF	>8" To 13" Deep, Prepare And Mix Plant Bed, By Machine.....	1.34	
		Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.		
		For Work On Slopes >2.5:1, Add	0.27	
32 91 13 26-0004	SF	>13" To 18" Deep, Prepare And Mix Plant Bed, By Machine.....	1.58	
		Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.		
		For Work On Slopes >2.5:1, Add	0.32	
32 91 13 26-0005	SF	Up To 8" Deep, Prepare And Mix Plant Bed By Hand.....	5.19	
		Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.		
		For Work On Slopes >2.5:1, Add	1.04	
32 91 13 26-0006	SF	>8" To 13" Deep, Prepare And Mix Plant Bed By Hand.....	5.96	
		Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.		
		For Work On Slopes >2.5:1, Add	1.19	
32 91 13 26-0007	SF	>13" To 18" Deep, Prepare And Mix Plant Bed By Hand.....	7.01	
		Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.		
		For Work On Slopes >2.5:1, Add	1.40	
32 91 13 26-0008		Plant Bed Preparation With Humic Compost (32 91 13 26)		
32 91 13 26-0009	SF	Prepare And Mix Plant Bed By Rototiller, Up To 8" Deep, Mixing Humic Compost (Mixed At Rate Of 3 CY Per 1,000 SF).....	1.27	
		Note: Includes loosening subgrade, removing rubbish, mixing humic compost and raking surface.		
		For Work On Slopes >2.5:1, Add	0.24	
		For >1,000 To 5,000, Deduct	-0.18	
		For >5,000 To 10,000, Deduct	-0.30	
		For >10,000 To 20,000, Deduct	-0.61	
		For >20,000, Deduct	-0.85	
32 91 13 26-0010	SF	Prepare And Mix Plant Bed By Rototiller, Up To 8" Deep, Mixing Humic Compost (Mixed At Rate Of 6 CY Per 1,000 SF).....	1.59	
		Note: Includes loosening subgrade, removing rubbish, mixing humic compost and raking surface.		
		For Work On Slopes >2.5:1, Add	0.29	
		For >1,000 To 5,000, Deduct	-0.22	
		For >5,000 To 10,000, Deduct	-0.37	
		For >10,000 To 20,000, Deduct	-0.74	
		For >20,000, Deduct	-1.04	
32 91 13 26-0011	SF	Prepare And Mix Plant Bed By Rototiller, Up To 8" Deep, Mixing Humic Compost (Mixed At Rate Of 9 CY Per 1,000 SF).....	1.88	
		Note: Includes loosening subgrade, removing rubbish, mixing humic compost and raking surface.		
		For Work On Slopes >2.5:1, Add	0.34	
		For >1,000 To 5,000, Deduct	-0.25	
		For >5,000 To 10,000, Deduct	-0.42	
		For >10,000 To 20,000, Deduct	-0.85	
		For >20,000, Deduct	-1.20	

32 Exterior Improvements**32 90 Planting****32 91 Planting Preparation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 91 13 26-0012 Planting Pit Preparation (32 91 13 26)			
Note: Not for use when installing trees and shrubs.			
32 91 13 26-0013	CY Excavate Planting Pit By Hand, Sandy Soil	89.73	
Note: For use with existing planting pits.			
<i>For Work On Slopes >2.5:1, Add</i>		17.95	
32 91 13 26-0014	CY Excavate Planting Pit By Hand, Heavy Soil	179.47	
Note: For use with existing planting pits.			
<i>For Work On Slopes >2.5:1, Add</i>		35.89	
32 91 13 26-0015	CY Excavate Planting Pit By Machine, Sandy Soil	14.73	
Note: For use with existing planting pits.			
<i>For Work On Slopes >2.5:1, Add</i>		2.95	
32 91 13 26-0016	CY Excavate Planting Pit By Machine, Heavy Soil	19.17	
Note: For use with existing planting pits.			
<i>For Work On Slopes >2.5:1, Add</i>		3.83	
32 91 13 26-0017	CY Backfill Planting Pit By Hand With Topsoil From Stockpile	79.74	
<i>For Work On Slopes >2.5:1, Add</i>		15.95	
32 91 13 26-0018	CY Backfill Planting Pit By Hand With Contractor Furnished Planting Mix	128.43	
<i>For Work On Slopes >2.5:1, Add</i>		14.43	
32 91 13 26-0019	CY Backfill Planting Pit By Machine, With Topsoil From Stockpile	7.90	
<i>For Work On Slopes >2.5:1, Add</i>		1.58	
32 91 13 26-0020	CY Backfill Planting Pit By Machine, With Contractor Furnished Planting Mix	75.14	
<i>For Work On Slopes >2.5:1, Add</i>		3.78	
32 91 13 26-0021 Weed Barrier (32 91 13 26)			
32 91 13 26-0022	SY Up To 3 Oz/SY Non-Woven, Polypropylene Weed Barrier	2.43	
<i>For Work On Slopes >2.5:1, Add</i>		0.14	
32 91 13 26-0023	SY 4 Oz/SY Woven, Polypropylene Weed Barrier	3.31	
<i>For Work On Slopes >2.5:1, Add</i>		0.14	
32 91 13 26-0024	SY 5 Oz/SY Woven, Needle Punched Polypropylene Weed Barrier	3.70	
<i>For Work On Slopes >2.5:1, Add</i>		0.14	
32 91 13 33 Soil Conditioners (32 91 13)			
32 91 13 33-0001 Spread Soil Conditioners (32 91 13 33)			
32 91 13 33-0002	SY Aluminum Sulfate 1 Lb./SY, Push Spreader	0.43	
32 91 13 33-0003	MSF Aluminum Sulfate 110 Lb./MSF Tractor Spreader	40.85	
32 91 13 33-0004	MSF Fertilizer, 20 Lb./MSF, Push Spreader	7.40	
32 91 13 33-0005	MSF Fertilizer, 20 Lb./MSF, Tractor Spread	3.11	
32 91 13 33-0006	MSF Fertilizer, 20 Lb./MSF, Truck Spread	5.53	
32 91 13 33-0007	SY Pelletized Lime, 1 Lb./SY, Push Spreader	0.10	
32 91 13 33-0008	MSF Pelitized Lime, 110 Lb./MSF, Tractor Spreader	7.81	
32 91 13 33-0009	SY Perlite, 1" Deep, Push Spreader	3.71	
32 91 13 33-0010	MSF Perlite, 1" Deep, Tractor Spreader	385.53	
32 91 13 33-0011	SY Vermiculite, Push Spreader	3.44	
32 91 13 33-0012	MSF Vermiculite, Tractor Spreader	376.60	
32 91 13 33-0013	SY Humate Granular Soil Conditioner, 0.10 Lb./SY, Push Spreader	0.23	
32 91 13 33-0014	MSF Humate Granular Soil Conditioner, 10 Lb./MSF, Tractor Spreader	21.02	
32 91 13 36 Lawn Bed Preparation (32 91 13)			
32 91 13 36-0001 Lawn Bed Preparation (32 91 13 36)			
32 91 13 36-0002	MSF Rake Topsoil With Machine	91.40	
32 91 13 36-0003	MSF Rake Topsoil By Hand	71.78	
32 91 13 36-0004	MSF Screen Loam By Hand	47.85	
32 91 13 36-0005	SY Roll Topsoil With Machine	1.18	
32 91 13 36-0006	SY Roll Topsoil By Hand	3.20	
32 91 13 36-0007	MSF Removal Of Rocks And Debris With Machine	10.81	
32 91 13 36-0008	MSF Removal Of Rocks And Debris By Hand	33.28	
32 91 13 36-0009	MSF Root Raking And Loading, No Boulders	56.56	
<i>For >45 to 225, Deduct</i>		-39.59	
<i>For >225, Deduct</i>		-50.90	
32 91 13 36-0010	MSF Root Raking And Loading, With Boulders	94.27	
<i>For >45 to 225, Deduct</i>		-65.99	
<i>For >225, Deduct</i>		-84.84	
32 91 13 36-0011	MSF Up To 6" Deep Tilling Topsoil With Tractor	5.10	
32 91 13 36-0012	MSF >6" To 12" Deep Tilling Topsoil With Tractor	10.34	
<i>For Work On Slopes >2.5:1, Add</i>		2.07	
32 91 13 36-0013	SY Up To 2" Deep Tilling Topsoil With Rototiller	0.77	
32 91 13 36-0014	SY >2" To 4" Deep Tilling Topsoil With Rototiller	0.91	
32 91 13 36-0015	SY >4" To 6" Deep Tilling Topsoil With Rototiller	1.15	
32 91 13 36-0016	LF "V" Cut Soil For Edge Of Planting Beds	1.27	
32 91 13 36-0017 Sod Removal (32 91 13 36)			
32 91 13 36-0018	SY Removal Of Sod By Hand	6.05	
<i>For Work On Slopes >2.5:1, Add</i>		1.21	
32 91 13 36-0019	SY Removal Of Sod With Machine	0.69	
<i>For Work On Slopes >2.5:1, Add</i>		0.14	
32 91 13 36-0020	SY Pile Sod By Hand	3.59	
<i>For Work On Slopes >2.5:1, Add</i>		0.72	
32 91 13 36-0021	SY Pile Sod With Machine	1.29	
<i>For Work On Slopes >2.5:1, Add</i>		0.26	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST

32 91 19 Landscape Grading (32 91)

32 91 19 13 Topsoil Placement and Grading (32 91 19)

32 91 19 13-0001			Remove And Stockpile Topsoil On Site (32 91 19 13)		
32 91 19 13-0002	CY		Removal Of Topsoil, 4" Deep Stockpile On Site.....	5.27	
32 91 19 13-0003	CY		Removal Of Topsoil, 6" Deep Stockpile On Site.....	5.22	

32 91 19 13-0004 Screening Topsoil (32 91 19 13)

32 91 19 13-0005	CY		Screen Topsoil With Vibrating Screen, Wet Material (Organic)	11.49	
32 91 19 13-0006	CY		Screen Topsoil With Vibrating Screen, Dry Material	7.66	

32 91 19 13-0007 Spreading Topsoil From Stockpile (32 91 19 13)

32 91 19 13-0008	CY		Spread Topsoil By Machine From Stockpile	8.74	
32 91 19 13-0009	CY		Spread Topsoil By Hand From Stockpile	68.49	

32 91 19 13-0010 Furnish And Place Imported Screened Topsoil (32 91 19 13)

Note: Includes delivery up to 15 miles from the closest approved source and spread by machine. Excludes hand spreading. See CSI section 01 74 19 00-0045 for hauling greater than 15 miles, 31 23 16 36-0030 for hand spreading.

32 91 19 13-0011	SY		Furnish And Place Imported Screened Topsoil, 2" Deep	4.29	
			For Unscreened, Deduct	-0.59	
32 91 19 13-0012	SY		Furnish And Place Imported Screened Topsoil, 4" Deep	8.23	
			For Unscreened, Deduct	-1.18	
32 91 19 13-0013	SY		Furnish And Place Imported Screened Topsoil, 6" Deep	11.92	
			For Unscreened, Deduct	-1.77	
32 91 19 13-0014	SY		Furnish And Place Imported Screened Topsoil, 9" Deep	17.26	
			For Unscreened, Deduct	-2.65	
32 91 19 13-0015	SY		Furnish And Place Imported Screened Topsoil, 12" Deep	22.58	
			For Unscreened, Deduct	-3.54	
32 91 19 13-0016	CY		Furnish And Place Imported Screened Topsoil, Over 12" Deep	62.67	
			For Unscreened, Deduct	-10.61	

32 91 19 13-0017 Scarify Soil For Planting Preparation (32 91 19 13)

Note: Ripped in multiple directions with 3" maximum clods.

32 91 19 13-0018	MSF		Up To 5,000 SF Scarify Up To 8" Soil With Machine	68.94	
32 91 19 13-0019	MSF		>5,000 To 20,000 SF Scarify Up To 8" Soil With Machine	48.25	
32 91 19 13-0020	MSF		>20,000 SF Scarify Up To 8" Soil With Machine	28.25	

32 92 Turf and Grasses (32 92)

32 92 16 Plugging (32 92)

32 92 16 00-0001 Bermuda Or Centipede Plugging, 1" Deep (32 92 16)

Note: Includes fine grade and soil preparation.

32 92 16 00-0002 6" On Center Plugging (32 92 16 00-0001)

32 92 16 00-0003	MSF		Plugging By Hand, 6" On Center	228.42	
32 92 16 00-0004	MSF		Plugging By Walk Behind Planter, 6" On Center	28.55	
32 92 16 00-0005	MSF		Plugging By Towed Planter, 6" On Center	20.42	

32 92 16 00-0006 9" On Center Plugging (32 92 16 00-0001)

32 92 16 00-0007	MSF		Plugging By Hand, 9" On Center	175.32	
32 92 16 00-0008	MSF		Plugging By Walk Behind Planter, 9" On Center	22.51	
32 92 16 00-0009	MSF		Plugging By Towed Planter, 9" On Center	15.34	

32 92 16 00-0010 12" On Center Plugging (32 92 16 00-0001)

32 92 16 00-0011	MSF		Plugging By Hand, 12" On Center	148.13	
32 92 16 00-0012	MSF		Plugging By Walk Behind Planter, 12" On Center	15.37	
32 92 16 00-0013	MSF		Plugging By Towed Planter, 12" On Center	9.86	

32 92 19 Seeding (32 92)

32 92 19 13 Mechanical Seeding (32 92 19)

Note: Includes fertilizing, liming, mixing, seeding and initial watering.

32 92 19 13-0001 Tractor Spreader Mechanical Seeding (32 92 19 13)

Note: Excludes straw.

32 92 19 13-0002	MSF		Common Bluegrass, Tractor Spreader	43.95	
			Note: 4 LB/MSF spread rate.		
32 92 19 13-0003	MSF		Tall Fescue, Tractor Spreader	35.63	
			Note: 5.5 LB/MSF spread rate.		
32 92 19 13-0004	MSF		Rye, Tractor Spreader	36.22	
			Note: 10 LB/MSF spread rate.		
32 92 19 13-0005	MSF		Shade Mix, Tractor Spreader	39.22	
			Note: 6 LB/MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.		

32 Exterior Improvements**32 90 Planting****32 92 Turf and Grasses**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 92 19 13-0006	MSF	Turf Mix, Tractor Spreader.....	41.37
		Note: 4 LB/MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.	
32 92 19 13-0007	MSF	Slope Mix, Tractor Spreader.....	38.50
		Note: 6 LB/MSF spread rate.	
32 92 19 13-0008	MSF	Utility Mix, Tractor Spreader.....	34.92
		Note: 7 LB/MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.	
32 92 19 13-0009	MSF	Wild Flower Mix, Tractor Spreader.....	28.17
		Note: 0.10 LB/MSF spread rate.	
32 92 19 13-0010	MSF	Crown Vetch Mix, Tractor Spreader.....	81.55
		Note: 4 LB/MSF spread rate.	
32 92 19 13-0011	MSF	Athletic Mix, Tractor Spreader.....	49.98
		Note: 8 LB/MSF spread rate. Mixture of three varieties of drought resistant bluegrass, tall fescue and Kentucky bluegrass.	
32 92 19 13-0012	MSF	White Clover Mix, Tractor Spreader.....	28.10
		Note: 7 LB/MSF spread rate.	
32 92 19 13-0013	MSF	Ladino Clover Mix, Tractor Spreader.....	30.97
		Note: 7 LB/MSF spread rate.	

32 92 19 13-0014 Hydro Or Air Mechanical Seeding (32 92 19 13)

32 92 19 13-0015	MSF	Common Bluegrass, Hydro Or Air Seeding.....	89.72
		Note: 4 LB/MSF spread rate.	
		For Spot Areas Up To 1, Add	98.28
		For >1 To 4, Add	63.32
		For >4 To 7.5, Add	43.00
		For >7.5 To 10, Add	21.50
		For >45, Deduct	-7.32
		For Tackifier, Add	4.46
32 92 19 13-0016	MSF	Tall Fescue, Hydro Or Air Seeding.....	94.75
		Note: 5.5 LB/MSF spread rate.	
		For Spot Areas Up To 1, Add	100.29
		For >1 To 4, Add	64.33
		For >4 To 7.5, Add	43.51
		For >7.5 To 10, Add	21.75
		For >45, Deduct	-7.57
		For Tackifier, Add	4.46
32 92 19 13-0017	MSF	Rye, Hydro Or Air Spread.....	89.94
		Note: 10 LB/MSF spread rate.	
		For Spot Areas Up To 1, Add	98.37
		For >1 To 4, Add	63.36
		For >4 To 7.5, Add	43.03
		For >7.5 To 10, Add	21.51
		For >45, Deduct	-7.33
		For Tackifier, Add	4.46
32 92 19 13-0018	MSF	Shade Mix, Hydro Or Air Seeding.....	89.72
		Note: 6 LB/MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.	
		For Spot Areas Up To 1, Add	98.28
		For >1 To 4, Add	63.32
		For >4 To 7.5, Add	43.00
		For >7.5 To 10, Add	21.50
		For >45, Deduct	-7.32
		For Tackifier, Add	4.46
32 92 19 13-0019	MSF	Turf Mix, Hydro Or Air Seeding.....	94.75
		Note: 4 LB/MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.	
		For Spot Areas Up To 1, Add	100.29
		For >1 To 4, Add	64.33
		For >4 To 7.5, Add	43.51
		For >7.5 To 10, Add	21.75
		For >45, Deduct	-7.57
		For Tackifier, Add	4.46
32 92 19 13-0020	MSF	Slope Mix, Hydro Or Air Seeding.....	92.59
		Note: 6 LB/MSF spread rate.	
		For Spot Areas Up To 1, Add	99.43
		For >1 To 4, Add	63.89
		For >4 To 7.5, Add	43.29
		For >7.5 To 10, Add	21.65
		For >45, Deduct	-7.47
		For Tackifier, Add	4.46
32 92 19 13-0021	MSF	Utility Mix, Hydro Or Air Seeding.....	90.86
		Note: 7 LB/MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.	
		For Spot Areas Up To 1, Add	98.74
		For >1 To 4, Add	63.55
		For >4 To 7.5, Add	43.12
		For >7.5 To 10, Add	21.56
		For >45, Deduct	-7.38
		For Tackifier, Add	4.46
32 92 19 13-0022	MSF	Wild Flower Mix, Hydro Or Air Seeding.....	85.27
		Note: 0.10 LB/MSF spread rate.	
		For Spot Areas Up To 1, Add	96.50
		For >1 To 4, Add	62.43
		For >4 To 7.5, Add	42.56
		For >7.5 To 10, Add	21.28
		For >45, Deduct	-7.10
		For Tackifier, Add	4.46

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 92 19 13-0023	MSF		Crown Vetch Mix, Hydro Or Air Seeding.....	135.64	
			Note: 4 LB/MSF spread rate.		
			For Spot Areas Up To 1, Add	116.65	
			For >1 To 4, Add	72.50	
			For >4 To 7.5, Add	47.60	
			For >7.5 To 10, Add	23.80	
			For >45, Deduct	-9.62	
			For Tackifier, Add	4.46	
32 92 19 13-0024	MSF		Athletic Mix, Hydro Or Air Seeding	119.87	
			Note: 8 LB/MSF spread rate. Mixture of three varieties of drought resistant bluegrass, tall fescue and Kentucky bluegrass.		
			For Spot Areas Up To 1, Add	110.34	
			For >1 To 4, Add	69.35	
			For >4 To 7.5, Add	46.02	
			For >7.5 To 10, Add	23.01	
			For >45, Deduct	-8.83	
			For Tackifier, Add	4.46	
32 92 19 13-0025	MSF		White Clover Mix, Hydro Or Air Seeding.....	78.46	
			Note: 7 LB/MSF spread rate.		
			For Spot Areas Up To 1, Add	93.78	
			For >1 To 4, Add	61.07	
			For >4 To 7.5, Add	41.88	
			For >7.5 To 10, Add	20.94	
			For >45, Deduct	-6.76	
			For Tackifier, Add	4.46	
32 92 19 13-0026	MSF		Ladino Clover Mix, Hydro Or Air Seeding	86.85	
			Note: 7 LB/MSF spread rate.		
			For Spot Areas Up To 1, Add	97.13	
			For >1 To 4, Add	62.75	
			For >4 To 7.5, Add	42.72	
			For >7.5 To 10, Add	21.36	
			For >45, Deduct	-7.18	
			For Tackifier, Add	4.46	
32 92 19 13-0027	MSF		60% Kentucky Bluegrass, 20% Creeping Red Fescue, 10% Red Top And 10% Domestic Rye, Hydro Or Air Spread	91.16	
			Note: 4 LB/MSF spread rate.		
			For Spot Areas Up To 1, Add	98.86	
			For >1 To 4, Add	63.61	
			For >4 To 7.5, Add	43.15	
			For >7.5 To 10, Add	21.57	
			For >45, Deduct	-7.39	
			For Tackifier, Add	4.46	
32 92 19 13-0028	MSF		2,500 Lb./Acre, High Performance - Flexible Growth Medium	108.46	
			Note: Applied with seed. Excludes seed.		
			For >45, Deduct	-6.84	
32 92 19 13-0029	MSF		3,000 Lb./Acre, High Performance - Flexible Growth Medium	125.91	
			Note: Applied with seed. Excludes seed.		
			For >45, Deduct	-7.79	
32 92 19 13-0030	MSF		3,500 Lb./Acre, High Performance - Flexible Growth Medium	143.43	
			Note: Applied with seed. Excludes seed.		
			For >45, Deduct	-8.74	
32 92 19 13-0031	MSF		4,000 Lb./Acre, High Performance - Flexible Growth Medium	161.00	
			Note: Applied with seed. Excludes seed.		
			For >45, Deduct	-9.69	
32 92 19 13-0032	MSF		4,500 Lb./Acre, High Performance - Flexible Growth Medium	178.66	
			Note: Applied with seed. Excludes seed.		
			For >45, Deduct	-10.66	
32 92 19 19 Seeding by Hand (32 92 19)					
Note: Includes fertilizing, liming, mixing, seeding and initial watering.					
32 92 19 19-0001			Push Spreader Or Hand Seeding (32 92 19 19)		
			Note: Excludes straw.		
32 92 19 19-0002	MSF		Common Bluegrass, Push Spreader Or Hand	109.52	
			Note: 4 LB/MSF spread rate.		
			For >5 To 20, Deduct	-7.72	
			For >20 To 45, Deduct	-14.94	
			For >45, Deduct	-24.41	
32 92 19 19-0003	MSF		Tall Fescue, Push Spreader Or Hand	101.20	
			Note: 5.5 LB/MSF spread rate.		
			For >5 To 20, Deduct	-7.30	
			For >20 To 45, Deduct	-14.32	
			For >45, Deduct	-23.58	
32 92 19 19-0004	MSF		Rye, Push Spreader Or Hand	101.79	
			Note: 10 LB/MSF spread rate.		
			For >5 To 20, Deduct	-7.33	
			For >20 To 45, Deduct	-14.36	
			For >45, Deduct	-23.64	
32 92 19 19-0005	MSF		Shade Mix, Push Spreader Or Hand	104.79	
			Note: 6 LB/MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.		
			For >5 To 20, Deduct	-7.48	
			For >20 To 45, Deduct	-14.59	
			For >45, Deduct	-23.94	
32 92 19 19-0006	MSF		Turf Mix, Push Spreader Or Hand	106.94	
			Note: 4 LB/MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.		
			For >5 To 20, Deduct	-7.59	
			For >20 To 45, Deduct	-14.75	
			For >45, Deduct	-24.15	

32 Exterior Improvements**32 90 Planting****32 92 Turf and Grasses**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 92 19 19-0007	MSF Slope Mix, Push Spreader Or Hand.....	104.07
	Note: 6 LB/MSF spread rate.	
	For >5 To 20, Deduct	-7.45
	For >20 To 45, Deduct	-14.53
	For >45, Deduct	-23.87
32 92 19 19-0008	MSF Utility Mix, Push Spreader Or Hand.....	100.49
	Note: 7 LB/MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.	
	For >5 To 20, Deduct	-7.27
	For >20 To 45, Deduct	-14.27
	For >45, Deduct	-23.51
32 92 19 19-0009	MSF Wild Flower Mix, Push Spreader Or Hand	93.74
	Note: 0.10 LB/MSF spread rate.	
	For >5 To 20, Deduct	-6.93
	For >20 To 45, Deduct	-13.76
	For >45, Deduct	-22.83
32 92 19 19-0010	MSF Crown Vetch Mix, Push Spreader Or Hand	147.12
	Note: 4 LB/MSF spread rate.	
	For >5 To 20, Deduct	-9.60
	For >20 To 45, Deduct	-17.76
	For >45, Deduct	-28.17
32 92 19 19-0011	MSF Athletic Mix, Push Spreader Or Hand	115.55
	Note: 8 LB/MSF spread rate. Mixture of drought resistant bluegrass, tall fescue and Kentucky bluegrass.	
	For >5 To 20, Deduct	-8.02
	For >20 To 45, Deduct	-15.40
	For >45, Deduct	-25.01
32 92 19 19-0012	MSF White Clover Mix, Push Spreader Or Hand	93.67
	Note: 7 LB/MSF spread rate.	
	For >5 To 20, Deduct	-6.93
	For >20 To 45, Deduct	-13.75
	For >45, Deduct	-22.83
32 92 19 19-0013	MSF Ladino Clover Mix, Push Spreader Or Hand	96.54
	Note: 7 LB/MSF spread rate.	
	For >5 To 20, Deduct	-7.07
	For >20 To 45, Deduct	-13.97
	For >45, Deduct	-23.11
32 92 19 19-0014	MSF 100% Kentucky Bluegrass, Push Spreader Or Hand.....	110.89
	Note: 3.3 LB/MSF spread rate.	
	For >5 To 20, Deduct	-7.79
	For >20 To 45, Deduct	-15.05
	For >45, Deduct	-24.55
32 92 19 19-0015	MSF 70% Kentucky Bluegrass And 30% Fescue, Push Spreader Or Hand	106.94
	Note: 3.3 LB/MSF spread rate.	
	For >5 To 20, Deduct	-7.59
	For >20 To 45, Deduct	-14.75
	For >45, Deduct	-24.15
32 92 19 19-0016	MSF 50% Kentucky Bluegrass And 50% Fescue, Push Spreader Or Hand	104.07
	Note: 3.3 LB/MSF spread rate.	
	For >5 To 20, Deduct	-7.45
	For >20 To 45, Deduct	-14.53
	For >45, Deduct	-23.87
32 92 19 19-0017	MSF 50% Kentucky Bluegrass And 50% Perennial Rye, Push Spreader Or Hand.....	109.81
	Note: 4.4 LB/MSF spread rate.	
	For >5 To 20, Deduct	-7.73
	For >20 To 45, Deduct	-14.96
	For >45, Deduct	-24.44
32 92 19 19-0018	MSF 60% Kentucky Bluegrass, 20% Creeping Red Fescue, 10% Red Top And 10% Domestic Rye, Push Spreader Or Hand.....	105.50
	Note: 3.3 LB/MSF spread rate.	
	For >5 To 20, Deduct	-7.52
	For >20 To 45, Deduct	-14.64
	For >45, Deduct	-24.01
32 92 19 19-0019	MSF 40% Creeping Red Fescue, 30% Kentucky Bluegrass, 10% Red Top, And 20% Blue Tag Perennial Rye, Push Spreader Or Hand	106.94
	Note: 3.3 LB/MSF spread rate.	
	For >5 To 20, Deduct	-7.59
	For >20 To 45, Deduct	-14.75
	For >45, Deduct	-24.15

32 92 23 Sodding (32 92)

Note: Includes raking preparation, water thoroughly and allow surface to dry before planting, rolling of sod, sanding seams for (up to 16" wide by 24" long) squares or (up to 24" wide by 54" long) rolls and initial watering within 2 hours after planting.

32 92 23 00-0001 Tall Fescue Sod (32 92 23)

32 92 23 00-0002	MSF Up To 1,000 SF, Tall Fescue Sod, Installed On Level Ground	2,030.46
	For Hybrid Fescue "Marathon", Add	129.06
32 92 23 00-0003	MSF >1,000 To 4,000 SF, Tall Fescue Sod, Installed On Level Ground.....	1,667.18
	For Hybrid Fescue "Marathon", Add	97.35
32 92 23 00-0004	MSF >4,000 To 8,000 SF, Tall Fescue Sod, Installed On Level Ground.....	1,413.15
	For Hybrid Fescue "Marathon", Add	81.49
32 92 23 00-0005	MSF >8,000 SF, Tall Fescue Sod, Installed On Level Ground.....	1,215.47
	For Hybrid Fescue "Marathon", Add	65.63
32 92 23 00-0006	MSF Up To 1,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes	2,381.10
	For Hybrid Fescue "Marathon", Add	129.06
32 92 23 00-0007	MSF >1,000 To 4,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes.....	1,966.03
	For Hybrid Fescue "Marathon", Add	97.35
32 92 23 00-0008	MSF >4,000 To 8,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes.....	1,619.32
	For Hybrid Fescue "Marathon", Add	81.49
32 92 23 00-0009	MSF >8,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes.....	1,390.80
	For Hybrid Fescue "Marathon", Add	65.63

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

32 92 23 00-0010	Kentucky Blue Grass Sod (32 92 23)	
32 92 23 00-0011	MSF Up To 1,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground	1,742.12
32 92 23 00-0012	MSF >1,000 To 4,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground.....	1,450.93
32 92 23 00-0013	MSF >4,000 To 8,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground.....	1,232.94
32 92 23 00-0014	MSF >8,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground.....	1,071.30
32 92 23 00-0015	MSF Up To 1,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes	2,092.76
32 92 23 00-0016	MSF >1,000 To 4,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes	1,749.78
32 92 23 00-0017	MSF >4,000 To 8,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes	1,439.11
32 92 23 00-0018	MSF >8,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes.....	1,246.63

32 93 Plants (32 90)

32 93 13 Ground Covers (32 93)

Note: Materials only. See CSI section 32 93 83 00-0062 for installation and planting of ground cover.

32 93 13 00-0001	Ground Covers (32 93 13)	
32 93 13 00-0002	EA 1 Quart Baccharis Pilularis - Dwarf Coyote Bush.....	12.69
32 93 13 00-0003	EA 1 Gallon Baccharis Pilularis - Dwarf Coyote Bush.....	22.00
32 93 13 00-0004	EA 1 Quart Carex 'Bowles Golden' - Variegated Japanese Sedge	44.86
32 93 13 00-0005	EA 1 Gallon Carex 'Bowles Golden' - Variegated Japanese Sedge	58.40
32 93 13 00-0006	EA 2 Gallon Juniperus horizontalis 'Plumosa Compacta' - Andorra Creeping Juniper	73.91
32 93 13 00-0007	EA 1 Quart Waldsteinia temata - Barren Strawberry.....	12.69
32 93 13 00-0008	EA 1 Gallon Waldsteinia temata - Barren Strawberry.....	30.47
32 93 13 00-0009	EA 1 Gallon Cotoneaster dammeri - Bearberry Cotoneaster.....	41.47
32 93 13 00-0010	EA 2 Gallon Cotoneaster dammeri - Bearberry Cotoneaster.....	78.70
32 93 13 00-0011	EA 5 Gallon Cotoneaster dammeri - Bearberry Cotoneaster.....	138.79
32 93 13 00-0012	EA 1 Gallon Liriope muscari 'Big Blue' - Big Blue Liriope	14.20
32 93 13 00-0013	EA 1 Gallon Distictis buccinatoria - Blood Red Trumpet Vine	26.23
32 93 13 00-0014	EA 5 Gallon Distictis buccinatoria - Blood Red Trumpet Vine	92.24
32 93 13 00-0015	EA 1 Gallon Juniperus horizontalis 'Wiltoni' - Blue Rug Juniper	34.44
32 93 13 00-0016	EA 4" Pot Parthenocissus tricuspidata - Boston Ivy	16.93
32 93 13 00-0017	EA 1 Gallon Parthenocissus tricuspidata - Boston Ivy.....	38.59
32 93 13 00-0018	EA 5 Gallon Parthenocissus tricuspidata - Boston Ivy.....	105.62
32 93 13 00-0019	EA 3 Gallon Bougainvillea spectabilis - Bougainvillea	44.39
32 93 13 00-0020	EA 1 Quart Iberis sempervirens - Candytuft.....	12.69
32 93 13 00-0021	EA 1 Gallon Iberis sempervirens - Candytuft.....	30.47
32 93 13 00-0022	EA 1 Gallon Gelsemium sempervirens - Carolina Jessamine	36.56
32 93 13 00-0023	EA 5 Gallon Gelsemium sempervirens - Carolina Jessamine	132.02
32 93 13 00-0024	EA 3" Pot Ajuga reptans - Carpet Bugle.....	7.62
32 93 13 00-0025	EA 1 Quart Ajuga reptans - Carpet Bugle.....	12.69
32 93 13 00-0026	EA 1 Gallon Ajuga reptans - Carpet Bugle	30.47
32 93 13 00-0027	EA 24 Plant Flat Ajuga reptans - Carpet Bugle	131.17
32 93 13 00-0028	EA 1 Gallon Macfadyena unguis-cati - Cat Claw Vine.....	30.47
32 93 13 00-0029	EA 5 Gallon Macfadyena unguis-cati - Cat Claw Vine.....	132.02
32 93 13 00-0030	EA 1 Gallon Wisteria sinensis - Chinese Wisteria Vine	39.78
32 93 13 00-0031	EA 3 Gallon Wisteria sinensis - Chinese Wisteria Vine	88.02
32 93 13 00-0032	EA 5 Gallon Wisteria sinensis - Chinese Wisteria Vine	132.02
32 93 13 00-0033	EA 1 Gallon Ranunculaceae - Clematis Varieties	43.73
32 93 13 00-0034	EA 2 Gallon Ranunculaceae - Clematis Varieties	80.87
32 93 13 00-0035	EA 1 Gallon Hydrangea petiolaris - Climbing Hydrangea	55.01
32 93 13 00-0036	EA 2 Gallon Hydrangea petiolaris - Climbing Hydrangea	103.25
32 93 13 00-0037	EA 5 Gallon Hydrangea petiolaris - Climbing Hydrangea	169.26
32 93 13 00-0038	EA 4" Pot Lantana camera - Common Lantana.....	7.62
32 93 13 00-0039	EA 1 Gallon Lantana camera - Common Lantana	22.00
32 93 13 00-0040	EA 1 Gallon Gardenia jasminoides 'Radicans' - Creeping Gardenia	26.23
32 93 13 00-0041	EA 5 Gallon Gardenia jasminoides 'Radicans' - Creeping Gardenia	86.32
32 93 13 00-0042	EA 2 Quart Lysimachia nummularia - Creeping Jenny.....	12.69
32 93 13 00-0043	EA 1 Gallon Lysimachia nummularia - Creeping Jenny.....	24.54
32 93 13 00-0044	EA 2 Quart Liriope spicata - Creeping Lilytuft.....	22.00
32 93 13 00-0045	EA 1 Gallon Liriope spicata - Creeping Lilytuft.....	39.77
32 93 13 00-0046	EA 5 Gallon Liriope spicata - Creeping Lilytuft	83.78
32 93 13 00-0047	EA Bare Root Liriope spicata - Creeping Liriope	5.55
32 93 13 00-0048	EA 3" Pot Rosmarinus officinalis 'Prostratus' - Creeping Rosemary.....	7.62
32 93 13 00-0049	EA 1 Gallon Rosmarinus officinalis 'Prostratus' - Creeping Rosemary	30.47
32 93 13 00-0050	EA 2-1/4" Pot Securigera varia - Crown Vetch	5.08
32 93 13 00-0051	EA 50 Plant Flat Securigera varia - Crown Vetch.....	171.79
32 93 13 00-0052	EA 1 Quart Senecio cineraria - Dusty Miller	12.69
32 93 13 00-0053	EA 1 Gallon Senecio cineraria - Dusty Miller.....	30.47
32 93 13 00-0054	EA 2 Gallon Aristolochia macrophylla - Dutchman's Pipe.....	105.78
32 93 13 00-0055	EA 5 Gallon Aristolochia macrophylla - Dutchman's Pipe.....	193.80
32 93 13 00-0056	EA 1 Gallon Ilex cornuta - Dwarf Holly	22.98
32 93 13 00-0057	EA 3 Gallon Ilex cornuta - Dwarf Holly	49.26
32 93 13 00-0058	EA 3 Gallon Rhamphiolepis umbellata 'Minor' - Dwarf Indian Hawthorn	49.26
32 93 13 00-0059	EA 1 Gallon Tradescantia spathacea - Dwarf Oyster Plant	16.42
32 93 13 00-0060	EA 2" To 3" Pot Hedera helix - English Ivy	7.62
32 93 13 00-0061	EA 12" To 15" Runners Hedera helix - English Ivy	12.69
32 93 13 00-0062	EA 1 Gallon Hedera helix - English Ivy.....	30.47
32 93 13 00-0063	EA 50 Plant Flat Hedera helix - English Ivy	176.03
32 93 13 00-0064	EA 4" Pot Lavandula angustifolia - English Lavender.....	11.00
32 93 13 00-0065	EA 1 Quart Lavandula angustifolia - English Lavender	21.16
32 93 13 00-0066	EA 1 Gallon Lavandula angustifolia - English Lavender	34.70
32 93 13 00-0067	EA 1 Gallon Euonymus fortunei 'Kewensis' - Wintercreeper	33.00
32 93 13 00-0068	EA 2 Gallon Euonymus fortunei 'Kewensis' - Wintercreeper	66.01

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 13 00-0069	EA	1 Quart Arundo donax - Giant Reed	40.62	
32 93 13 00-0070	EA	1 Gallon Arundo donax - Giant Reed	58.40	
32 93 13 00-0071	EA	1 Gallon Lonicera x heckrottii - Gold Flame Honeysuckle.....	34.70	
32 93 13 00-0072	EA	2 Gallon Lonicera x heckrottii - Gold Flame Honeysuckle.....	66.01	
32 93 13 00-0073	EA	1 Quart Hakonechloa macra 'Aureola' - Golden Variegated Hakone Grass.....	44.86	
32 93 13 00-0074	EA	1 Gallon Hakonechloa macra 'Aureola' - Golden Variegated Hakone Grass	67.71	
32 93 13 00-0075	EA	3" Pot Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle	7.62	
32 93 13 00-0076	EA	1 Gallon Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle	34.70	
32 93 13 00-0077	EA	2 Gallon Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle	66.01	
32 93 13 00-0078	EA	1 Gallon Hardenbergia violacea - Happy Wanderer	30.47	
32 93 13 00-0079	EA	5 Gallon Hardenbergia violacea - Happy Wanderer	101.55	
32 93 13 00-0080	EA	3 Gallon Hibiscus, Assorted Colors	39.68	
32 93 13 00-0081	EA	1 Gallon Acorus gramineus - Japanese Sweet Flag	31.74	
32 93 13 00-0082	EA	1 Gallon Jasminum volubile - Wax Jasmine	15.99	
32 93 13 00-0083	EA	1 Gallon Jasminum volubile - Wax Jasmine	39.68	
32 93 13 00-0084	EA	1 Gallon Juniperus davurica 'Parsonii' - Parson's Juniper	19.94	
32 93 13 00-0085	EA	3 Gallon Juniperus davurica 'Parsonii' - Parson's Juniper	44.39	
32 93 13 00-0086	EA	1 Gallon Cissus antarctica - Kangaroo Vine	24.54	
32 93 13 00-0087	EA	5 Gallon Cissus antarctica - Kangaroo Vine	77.01	
32 93 13 00-0088	EA	1 Quart Stachys byzantina - Lamb's Ear.....	12.69	
32 93 13 00-0089	EA	1 Quart Stachys byzantina - Lamb's Ear.....	30.47	
32 93 13 00-0090	EA	1 Gallon Lantana spp. Various Colors	17.96	
32 93 13 00-0091	EA	1 Gallon Lantana sellowiana - Trailing Lantana	11.82	
32 93 13 00-0092	EA	1 Gallon Cocculus laurifolius - Laurel-leaf Snailseed	24.54	
32 93 13 00-0093	EA	5 Gallon Cocculus laurifolius - Laurel-leaf Snailseed	88.01	
32 93 13 00-0094	EA	1 Gallon Liriope Evergreen Giant, 6 To 8 Bibs Minimum	17.96	
32 93 13 00-0095	EA	1 Gallon Variegated Liriope Evergreen Giant, 6 To 8 Bibs Minimum	22.66	
32 93 13 00-0096	EA	3 Gallon Variegated Liriope Evergreen Giant, 6 To 8 Bibs Minimum	36.24	
32 93 13 00-0097	EA	1 Quart Moss Phlox, Creeping Phlox	12.69	
32 93 13 00-0098	EA	1 Gallon Moss Phlox, Creeping Phlox	30.47	
32 93 13 00-0099	EA	1 Gallon Nephrolepis exaltata - Common Boston Fern.....	15.99	
32 93 13 00-0100	EA	4" Pot Ophiopogon Japonicus - Mondo grass	7.62	
32 93 13 00-0101	EA	1 Gallon Ophiopogon Japonicus - Mondo grass	30.47	
32 93 13 00-0102	EA	5 Gallon Ophiopogon Japonicus - Mondo grass	70.24	
32 93 13 00-0103	EA	2' To 3' High Oregon Holly-Grape.....	35.17	
32 93 13 00-0104	EA	1 Gallon Pachysandra terminalis - Pachysandra	45.81	
32 93 13 00-0105	EA	2-1/4" Pot Vinca minor - Periwinkle.....	4.23	
32 93 13 00-0106	EA	4" Pot Vinca minor - Periwinkle.....	12.69	
32 93 13 00-0107	EA	Bare Root Vinca minor - Periwinkle	4.23	
32 93 13 00-0108	EA	1 Quart Nepeta mussinii - Persian Catmint.....	12.69	
32 93 13 00-0109	EA	1 Gallon Nepeta mussinii - Persian Catmint	26.23	
32 93 13 00-0110	EA	1 Gallon Coprosma kirkii - Prostrate Coprosma.....	21.16	
32 93 13 00-0111	EA	5 Gallon Coprosma kirkii - Prostrate Coprosma.....	77.01	
32 93 13 00-0112	EA	1 Gallon Juniperus Horizontalis - Prostrate Juniper	34.70	
32 93 13 00-0113	EA	3 Gallon Juniperus Horizontalis - Prostrate Juniper	74.47	
32 93 13 00-0114	EA	5 Gallon Juniperus Horizontalis - Prostrate Juniper	110.02	
32 93 13 00-0115	EA	1 Quart Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper	30.22	
32 93 13 00-0116	EA	1 Gallon Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper	78.30	
32 93 13 00-0117	EA	24 Plant Flat Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper	131.17	
32 93 13 00-0118	EA	1 Gallon Tradescantia spathacea - Rhoexo Discolor "Dwarf"	15.99	
32 93 13 00-0119	EA	1 Quart Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue.....	17.77	
32 93 13 00-0120	EA	1 Gallon Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue	31.74	
32 93 13 00-0121	EA	2 Gallon Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue	49.51	
32 93 13 00-0122	EA	1 Gallon Hymenocallis latifolia - Spider Lily	19.70	
32 93 13 00-0123	EA	3 Gallon Hymenocallis latifolia - Spider Lily	52.54	
32 93 13 00-0124	EA	1 Quart Hypericum perforatum - St. John's Wort	12.69	
32 93 13 00-0125	EA	1 Gallon Hypericum perforatum - St. John's Wort.....	30.47	
32 93 13 00-0126	EA	5 Gallon Hypericum perforatum - St. John's Wort.....	78.70	
32 93 13 00-0127	EA	24" To 30" High Viburnum awabuki - Sweet Viburnum	107.11	
32 93 13 00-0128	EA	1 Gallon Campsis radicans - Trumpet Creeper.....	46.55	
32 93 13 00-0129	EA	2 Gallon Campsis radicans - Trumpet Creeper.....	70.24	
32 93 13 00-0130	EA	5 Gallon Campsis radicans - Trumpet Creeper.....	169.26	
32 93 13 00-0131	EA	2-1/4" Pot Vinca major - Variegated Greater Periwinkle	4.23	
32 93 13 00-0132	EA	4" Pot Vinca major - Variegated Greater Periwinkle	12.69	
32 93 13 00-0133	EA	Bare Root Vinca major - Variegated Greater Periwinkle	4.23	
32 93 13 00-0134	EA	1 Quart Carex hachijoensis - Variegated Japanese Sedge	22.85	
32 93 13 00-0135	EA	1 Gallon Carex hachijoensis - Variegated Japanese Sedge	31.74	
32 93 13 00-0136	EA	2 Gallon Carex hachijoensis - Variegated Japanese Sedge	49.51	
32 93 13 00-0137	EA	1 Gallon Liriope muscari 'Variegata' - Variegated Lilyturf.....	34.70	
32 93 13 00-0138	EA	2 Quart Verbena peruviana "St. Paul" - St. Paul Verbena	16.08	
32 93 13 00-0139	EA	1 Gallon Verbena peruviana "St. Paul" - St. Paul Verbena	24.54	
32 93 13 00-0140	EA	48 Plant Flat Vinca minor - Lesser Periwinkle.....	150.84	
32 93 13 00-0141	EA	3" Pot Parthenocissus quinquefolia - Virginia Creeper	7.62	
32 93 13 00-0142	EA	1 Gallon Parthenocissus quinquefolia - Virginia Creeper.....	39.77	
32 93 13 00-0143	EA	1 Gallon Jasminum polyanthum - Winter Jasmine.....	30.47	
32 93 13 00-0144	EA	2 Gallon Jasminum polyanthum - Winter Jasmine.....	60.93	
32 93 13 00-0145	EA	5 Gallon Jasminum polyanthum - Winter Jasmine.....	105.78	
32 93 13 00-0146	EA	1 Gallon Cistaceae - Winkleleaf Rock Rose	24.54	
32 93 13 00-0147	EA	5 Gallon Cistaceae - Winkleleaf Rock Rose	83.78	
32 93 13 00-0148	EA	Flat Hedera canariensis - Algerian Ivy	25.84	
32 93 13 00-0149	EA	2-1/2" Pot Hedera canariensis - Algerian Ivy	6.82	
32 93 13 00-0150	EA	Flat Gazania 'Copper King'	21.19	
32 93 13 00-0151	EA	1 Gallon Gazania 'Copper King'	7.24	
32 93 13 00-0152	EA	Flat Myoporum parvifolium - Myoporum.....	25.84	
32 93 13 00-0153	EA	1 Gallon Myoporum parvifolium - Myoporum	7.24	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 93 13 00-0154	EA	5	Gallon Myoporum parvifolium - Myoporum	20.68	
32 93 13 00-0155	EA	1	Gallon Lantana montevidensis - Purple Lantana	7.24	
32 93 13 00-0156	EA	5	Gallon Lantana montevidensis - Purple Lantana	20.68	
32 93 13 00-0157	EA	Flat	Carpobrotus - Ice Plant.....	19.64	
32 93 13 00-0158	EA	1	Gallon Carpobrotus - Ice Plant.....	8.27	
32 93 13 00-0159	EA	1	Gallon Acmispon galaber - Common Deerweed.....	11.09	
32 93 13 00-0160	EA	1	Gallon Acacia redolens - Bank Catclaw.....	4.60	
32 93 13 00-0161	EA	5	Gallon Acacia redolens - Bank Catclaw.....	14.26	
32 93 13 00-0162	EA	15	Gallon Acacia redolens - Bank Catclaw.....	55.46	
32 93 13 00-0163	EA	1	Gallon Achillea filipendulina - Fernleaf Yarrow.....	6.81	
32 93 13 00-0164	EA	1	Gallon Achillea millefolium - Common Yarrow.....	6.18	
32 93 13 00-0165	EA	5	Gallon Achillea millefolium - Common Yarrow.....	19.02	
32 93 13 00-0166	EA	1	Gallon Achillea millefolium 'Paprika' - Red Yarrow.....	6.81	
32 93 13 00-0167	EA	1	Gallon Achillea 'Moonshine' - Yellow yarrow.....	6.81	
32 93 13 00-0168	EA	1	Gallon Agave americana - Century Plant.....	9.35	
32 93 13 00-0169	EA	5	Gallon Agave americana - Century Plant.....	25.36	
32 93 13 00-0170	EA	15	Gallon Agave americana - Century Plant.....	77.65	
32 93 13 00-0171	EA	24"	Box Agave americana - Century Plant.....	277.32	
32 93 13 00-0172	EA	1	Gallon Agave vilmoriniana - Octopus Agave.....	9.35	
32 93 13 00-0173	EA	5	Gallon Agave vilmoriniana - Octopus Agave.....	25.36	
32 93 13 00-0174	EA	15	Gallon Agave vilmoriniana - Octopus Agave.....	77.65	
32 93 13 00-0175	EA	24"	Box Agave vilmoriniana - Octopus Agave	277.32	
32 93 13 00-0176	EA	5	Gallon Nolana parryi - Giant Nolana	25.36	

32 93 13 00-0177 Ornamental Grasses (32 93 13)

32 93 13 00-0178	EA	1	Gallon, Cortaderia selloana - Pampas Grass	34.95	
32 93 13 00-0179	EA	2	Gallon, Cortaderia selloana - Pampas Grass	64.60	
32 93 13 00-0180	EA	3	Gallon, Cortaderia selloana - Pampas Grass	117.41	
32 93 13 00-0181	EA	5	Gallon, Cortaderia selloana - Pampas Grass	213.69	
32 93 13 00-0182	EA	1	Quart, Imperata cylindrica - Japanese Blood Grass	26.75	
32 93 13 00-0183	EA	1	Gallon, Imperata cylindrica - Japanese Blood Grass.....	35.57	
32 93 13 00-0184	EA	2	Gallon, Imperata cylindrica - Japanese Blood Grass.....	38.07	
32 93 13 00-0185	EA	1	Quart, Koeleria glauca - Blue Hair Grass.....	26.68	
32 93 13 00-0186	EA	1	Gallon, Koeleria glauca - Blue Hair Grass.....	35.57	
32 93 13 00-0187	EA	3	Gallon, Koeleria glauca - Blue Hair Grass	86.06	
32 93 13 00-0188	EA	1	Gallon, Miscanthus sinensis 'Gracillimus' - Maiden Grass.....	33.77	
32 93 13 00-0189	EA	3	Gallon, Miscanthus sinensis 'Gracillimus' - Maiden Grass.....	43.77	
32 93 13 00-0190	EA	5	Gallon, Miscanthus sinensis 'Gracillimus' - Maiden Grass.....	83.68	
32 93 13 00-0191	EA	1	Gallon, Miscanthus sinensis 'Zebrinus' - Zebra Grass	31.35	
32 93 13 00-0192	EA	3	Gallon, Miscanthus sinensis 'Zebrinus' - Zebra Grass	49.28	
32 93 13 00-0193	EA	5	Gallon, Miscanthus sinensis 'Zebrinus' - Zebra Grass	84.34	
32 93 13 00-0194	EA	1	Quart, Pennisetum setaceum - Fountain Grass.....	29.18	
32 93 13 00-0195	EA	1	Gallon, Pennisetum setaceum - Fountain Grass	74.23	
32 93 13 00-0196	EA	3	Gallon, Pennisetum setaceum - Fountain Grass	97.86	
32 93 13 00-0197	EA	1	Gallon, Saccharum ravennae - Ravenna Grass	92.38	
32 93 13 00-0198	EA	3	Gallon, Saccharum ravennae - Ravenna Grass	103.78	
32 93 13 00-0199	EA	7	Gallon, Saccharum ravennae - Ravenna Grass	171.21	
32 93 13 00-0200	EA	1	Gallon, Spartina pectinata - Variegated Cord Grass.....	50.16	
32 93 13 00-0201	EA	2	Gallon, Spartina pectinata - Variegated Cord Grass.....	75.08	
32 93 13 00-0202	EA	1	Quart, Stipa gigantea - Giant Feather Grass	38.29	
32 93 13 00-0203	EA	1	Gallon, Stipa gigantea - Giant Feather Grass.....	53.36	

32 93 23 Plants and Bulbs (32 93)

Note: Materials only. See CSI section 32 93 83 00-0062 for installation and planting of bulbs and annuals.

32 93 23 00-0001 Perennials (32 93 23)

32 93 23 00-0002	EA	2	Quart Assorted Daylilies	24.54	
32 93 23 00-0003	EA	1	Gallon Assorted Daylilies.....	34.70	
32 93 23 00-0004	EA	2	Gallon Assorted Daylilies.....	57.54	
32 93 23 00-0005	EA	1	Quart Azure Penstemon	12.69	
32 93 23 00-0006	EA	1	Gallon Azure Penstemon.....	31.73	
32 93 23 00-0007	EA	1	Quart Balloon Flower	12.69	
32 93 23 00-0008	EA	1	Gallon Balloon Flower.....	31.73	
32 93 23 00-0009	EA	1	Quart Black-eyed Susan	12.69	
32 93 23 00-0010	EA	1	Gallon Black-eyed Susan	31.73	
32 93 23 00-0011	EA	2	Gallon Black-eyed Susan	41.05	
32 93 23 00-0012	EA	1	Quart Blackberry Lily	12.69	
32 93 23 00-0013	EA	1	Gallon Blackberry Lily	31.73	
32 93 23 00-0014	EA	1	Quart Blank Flower	12.69	
32 93 23 00-0015	EA	1	Gallon Blank Flower.....	29.20	
32 93 23 00-0016	EA	2	Gallon Blank Flower.....	41.05	
32 93 23 00-0017	EA	1	Quart Blazing Star, Gayfeather.....	12.69	
32 93 23 00-0018	EA	1	Gallon Blazing Star, Gayfeather	31.73	
32 93 23 00-0019	EA	1	Quart Bloodred Geranium	21.58	
32 93 23 00-0020	EA	1	Gallon Bloodred Geranium	36.39	
32 93 23 00-0021	EA	1	Quart Blue Plumbago	12.69	
32 93 23 00-0022	EA	1	Gallon Blue Plumbago	31.73	
32 93 23 00-0023	EA	1	Quart Blue Star	22.85	
32 93 23 00-0024	EA	1	Gallon Blue Star.....	36.39	
32 93 23 00-0025	EA	1	Quart Cardinal Flower.....	12.69	
32 93 23 00-0026	EA	1	Gallon Cardinal Flower	31.73	
32 93 23 00-0027	EA	4"	Pot Columbine.....	7.62	
32 93 23 00-0028	EA	1	Quart Columbine.....	12.69	
32 93 23 00-0029	EA	1	Gallon Columbine	31.73	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 23 00-0030	EA	1 Quart Common Globeflower	12.69
32 93 23 00-0031	EA	1 Gallon Common Globeflower	31.73
32 93 23 00-0032	EA	1 Quart Cottage Pink, Scotch Pink	12.69
32 93 23 00-0033	EA	1 Quart Cottage Pink, Scotch Pink	31.73
32 93 23 00-0034	EA	1 Gallon Astilbe 'Deutschland'	45.70
32 93 23 00-0035	EA	1 Quart Diploid	16.08
32 93 23 00-0036	EA	1 Gallon Diploid	36.39
32 93 23 00-0037	EA	3 Gallon Diploid	62.63
32 93 23 00-0038	EA	4" Pot Dune Sunflower	18.12
32 93 23 00-0039	EA	1 Quart Evans Begonia	22.85
32 93 23 00-0040	EA	1 Gallon Evans Begonia	41.05
32 93 23 00-0041	EA	1 Quart False Dragonhead	12.69
32 93 23 00-0042	EA	1 Gallon False Dragonhead	31.73
32 93 23 00-0043	EA	1 Quart False Spirea	12.69
32 93 23 00-0044	EA	1 Gallon False Spirea	41.05
32 93 23 00-0045	EA	3 Gallon False Spirea	56.70
32 93 23 00-0046	EA	2 Quart False Sunflower	20.31
32 93 23 00-0047	EA	1 Gallon False Sunflower	31.73
32 93 23 00-0048	EA	2 Gallon False Sunflower	41.05
32 93 23 00-0049	EA	1 Gallon Foxglove	29.20
32 93 23 00-0050	EA	2 Gallon Foxglove	41.05
32 93 23 00-0051	EA	3 Gallon Foxglove	59.24
32 93 23 00-0052	EA	1 Gallon Francee Hostas	51.39
32 93 23 00-0053	EA	1 Quart Garden Phlox	12.69
32 93 23 00-0054	EA	1 Gallon Garden Phlox	31.73
32 93 23 00-0055	EA	2 Quart Golden Groundsel	27.08
32 93 23 00-0056	EA	2 Gallon Golden Groundsel	54.59
32 93 23 00-0057	EA	1 Quart Golden Star	12.69
32 93 23 00-0058	EA	1 Gallon Golden Star	31.73
32 93 23 00-0059	EA	1 Quart Goldenrod	12.69
32 93 23 00-0060	EA	1 Gallon Goldenrod	31.73
32 93 23 00-0061	EA	1 Gallon Happy Returns Daylilies	59.10
32 93 23 00-0062	EA	4" Pot Hardy Aster, Michaelmas Daisy	7.62
32 93 23 00-0063	EA	1 Quart Hardy Aster, Michaelmas Daisy	12.69
32 93 23 00-0064	EA	1 Gallon Hardy Aster, Michaelmas Daisy	31.73
32 93 23 00-0065	EA	1 Quart Hardy Chrysanthemum	11.01
32 93 23 00-0066	EA	6" To 8" Pot Hardy Chrysanthemum	18.20
32 93 23 00-0067	EA	1 Gallon Hardy Chrysanthemum	29.20
32 93 23 00-0068	EA	1 Gallon Herbaceous Peony	45.28
32 93 23 00-0069	EA	2 Gallon Herbaceous Peony	72.36
32 93 23 00-0070	EA	3 Gallon Herbaceous Peony	95.21
32 93 23 00-0071	EA	4" Pot Japanese Anemone	7.62
32 93 23 00-0072	EA	1 Quart Japanese Anemone	22.85
32 93 23 00-0073	EA	2 Gallon Japanese Anemone	41.05
32 93 23 00-0074	EA	2" Pot Japanese Spurge	4.51
32 93 23 00-0075	EA	6" Pot Japanese Spurge	6.77
32 93 23 00-0076	EA	1 Gallon Japanese Spurge	29.15
32 93 23 00-0077	EA	1 Quart Oriental Poppy	18.20
32 93 23 00-0078	EA	1 Gallon Oriental Poppy	36.39
32 93 23 00-0079	EA	48 Plant Flat Pachysandra terminalis	150.84
32 93 23 00-0080	EA	1 Gallon Pacific Coast Iris	24.97
32 93 23 00-0081	EA	3 Gallon Pacific Coast Iris	47.40
32 93 23 00-0082	EA	1 Gallon Palace Purple Coral Bells	48.05
32 93 23 00-0083	EA	4" Pot Perennial Salvia	7.62
32 93 23 00-0084	EA	1 Quart Perennial Salvia	12.69
32 93 23 00-0085	EA	1 Gallon Perennial Salvia	31.73
32 93 23 00-0086	EA	1 Quart Pincushion Flower	12.69
32 93 23 00-0087	EA	1 Gallon Pincushion Flower	31.73
32 93 23 00-0088	EA	2 Quart Plantain Lily	24.54
32 93 23 00-0089	EA	1 Gallon Plantain Lily	34.70
32 93 23 00-0090	EA	2 Gallon Plantain Lily	57.54
32 93 23 00-0091	EA	3 Gallon Plantain Lily	108.76
32 93 23 00-0092	EA	2 Quart Purple Coneflower	22.85
32 93 23 00-0093	EA	1 Gallon Purple Coneflower	31.73
32 93 23 00-0094	EA	2 Gallon Purple Coneflower	41.05
32 93 23 00-0095	EA	1 Quart Purple Loosestrife	12.69
32 93 23 00-0096	EA	1 Gallon Purple Loosestrife	31.73
32 93 23 00-0097	EA	1 Quart Rose Mallow	24.97
32 93 23 00-0098	EA	2 Gallon Rose Mallow	45.28
32 93 23 00-0099	EA	3 Gallon Rose Mallow	77.44
32 93 23 00-0100	EA	1 Gallon Autumn Joy Sedum	48.39
32 93 23 00-0101	EA	1 Quart Siberian Iris	21.58
32 93 23 00-0102	EA	2 Gallon Siberian Iris	41.05
32 93 23 00-0103	EA	3 Gallon Siberian Iris	56.70
32 93 23 00-0104	EA	1 Quart Speedwell	12.69
32 93 23 00-0105	EA	1 Gallon Speedwell	31.73
32 93 23 00-0106	EA	1 Quart Tetraploid	31.73
32 93 23 00-0107	EA	1 Gallon Tetraploid	59.24
32 93 23 00-0108	EA	3 Gallon Tetraploid	80.83
32 93 23 00-0109	EA	1 Quart Threadleaf Coreopsis	12.69
32 93 23 00-0110	EA	1 Gallon Threadleaf Coreopsis	31.73
32 93 23 00-0111	EA	1 Quart Torch Lily	12.69
32 93 23 00-0112	EA	1 Quart Bluebeard	22.85
32 93 23 00-0113	EA	1 Gallon Bluebeard	33.85
32 93 23 00-0114	EA	2 Gallon Bluebeard	49.51

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 23 00-0115

Annuals (32 93 23)

32 93 23 00-0116	EA	2-1/2" Pot Annual Flowers	5.89
32 93 23 00-0117	EA	3" Pot Annual Flowers	7.97
32 93 23 00-0118	EA	4" Pot Annual Flowers	17.03
32 93 23 00-0119	EA	5-1/2" Pot Annual Flowers	22.65
32 93 23 00-0120	EA	6" Pot Annual Flowers	44.84
32 93 23 00-0121	EA	8" Pot Annual Flowers	74.74
32 93 23 00-0122	EA	36 Plant Flat Annual Flowers	97.84
32 93 23 00-0123	EA	48 Plant Flat Annual Flowers	110.98

32 93 23 00-0124

Bulbs (32 93 23)

32 93 23 00-0125	EA	Top Size Allium giganteum - Giant Ornamental Onion	20.48
32 93 23 00-0126	EA	Top Size Allium sphaerocephalum - Drumstick Ornamental Onion	1.18
32 93 23 00-0127	EA	Top Size Crocus Hybrid	1.34
32 93 23 00-0128	EA	Top Size Eranthis hyemalis - Winter Aconite	1.73
32 93 23 00-0129	EA	Top Size Galanthus nivalis - Snowdrops	2.21
32 93 23 00-0130	EA	Top Size Iris reticulata cvs - Dutch Iris	0.87
32 93 23 00-0131	EA	Top Size Muscari armeniacum - Grape Hyacinth	1.02
32 93 23 00-0132	EA	Top Size Muscari latifolium - Grape Hyacinth	1.18
32 93 23 00-0133	EA	Narcissus 'Carlton' - Carlton Daffodil DNI	7.09
32 93 23 00-0134	EA	Narcissus 'Dutch Master' - Dutch Master Daffodil DNI	3.39
32 93 23 00-0135	EA	Narcissus 'February Gold' - February Gold Daffodil DNI	3.54
32 93 23 00-0136	EA	Narcissus 'Ice Follies' - Ice Follies Daffodil DNI	3.54
32 93 23 00-0137	EA	Narcissus 'Mount Hood' - Mount Hood Daffodil DNI	3.70
32 93 23 00-0138	EA	Narcissus 'Papillon Blanc' - Papillon Blanc Daffodil DNI	3.94
32 93 23 00-0139	EA	Narcissus 'Pipit' - Pipit Daffodil DNI	3.70
32 93 23 00-0140	EA	Narcissus 'Salome' - Salome Daffodil DNI	3.47
32 93 23 00-0141	EA	Narcissus 'Tete A Tete' - Tete A Tete Daffodil DNI	3.70
32 93 23 00-0142	EA	Narcissus 'Thalia' - Thalia Daffodil DNI	3.70
32 93 23 00-0143	EA	Top Size Scilla siberica - Siberian Squill	1.10
32 93 23 00-0144	EA	Top Size Tulip 'Angelique' - Angelique Tulip	3.15
32 93 23 00-0145	EA	Top Size Tulip 'Apeldoorn' - Apeldoorn Tulip	2.36
32 93 23 00-0146	EA	Top Size Tulip 'Apricot Beauty' - Apricot Beauty Tulip	3.15
32 93 23 00-0147	EA	Top Size Tulip 'Big Smile' - Big Smile Tulip	2.76
32 93 23 00-0148	EA	Top Size Tulip 'Black Parrot' - Black Parrot Tulip	3.94
32 93 23 00-0149	EA	Top Size Tulip 'Blue Heron' - Blue Heron Tulip	2.99
32 93 23 00-0150	EA	Top Size Tulip 'Cardinal' - Cardinal Tulip	2.60
32 93 23 00-0151	EA	Top Size Tulip 'Christmas Marvel' - Christmas Marvel Tulip	2.91
32 93 23 00-0152	EA	Top Size Tulip clusiana - Species Tulip	2.91
32 93 23 00-0153	EA	Top Size Tulip 'Elizabeth Arden' - Elizabeth Arden Tulip	2.91
32 93 23 00-0154	EA	Top Size Tulip 'Golden Apledoorn' - Golden Apledoorn Tulip	2.36
32 93 23 00-0155	EA	Top Size Tulip 'Golden Emperor' - Golden Emperor Tulip	2.28
32 93 23 00-0156	EA	Top Size Tulip 'Halcro' - Halcro Tulip	2.36
32 93 23 00-0157	EA	Top Size Tulip 'Ivory Floridale' - Ivory Floradale Tulip	3.94
32 93 23 00-0158	EA	Top Size Tulip 'Orange Emperor' - Orange Emperor Tulip	2.36
32 93 23 00-0159	EA	Top Size Tulip 'Passionale' - Passionale Tulip	3.15
32 93 23 00-0160	EA	Top Size Tulip 'Peach Blossom' - Peach Blossom Tulip	3.39
32 93 23 00-0161	EA	Top Size Tulip 'Peer Gynt' - Peer Gynt Tulip	3.54
32 93 23 00-0162	EA	Top Size Tulip 'Pink Diamond' - Pink Diamond Tulip	2.84
32 93 23 00-0163	EA	Top Size Tulip 'Pink Emperor' - Pink Emperor Tulip	2.68
32 93 23 00-0164	EA	Top Size Tulip praetens 'Fusilier' - Praetens Fusilier Tulip	2.91
32 93 23 00-0165	EA	Top Size Tulip 'Princes' - Princes Tulip	2.91
32 93 23 00-0166	EA	Top Size Tulip 'Red Riding Hood' - Red Riding Hood Tulip	2.28
32 93 23 00-0167	EA	Top Size Tulip saxatilis - Species Tulip	1.58
32 93 23 00-0168	EA	Top Size Tulip 'Shirley' - Shirley Tulip	2.36
32 93 23 00-0169	EA	Top Size Tulip 'Spring Green' - Spring Green Tulip	3.07
32 93 23 00-0170	EA	Top Size Tulip 'White Emperor' - White Emperor Tulip	2.36

32 93 33

Shrubs (32 93)

Note: (cvs = cultivar or cultivated varieties) materials only. See CSI section 32 93 83 00-0038 for installation and planting of shrubs.

32 93 33 00-0001

Shrubs (32 93 33)

32 93 33 00-0002	EA	1 Gallon Abelia x grandiflora - Abelia	21.60
32 93 33 00-0003	EA	3 Gallon Abelia x grandiflora - Abelia	43.99
32 93 33 00-0004	EA	5 Gallon Abelia x grandiflora - Abelia	84.44
32 93 33 00-0005	EA	1 Gallon Abelia grandiflora 'Edward Goucher' - Pink Abelia	9.61
32 93 33 00-0006	EA	5 Gallon Abelia grandiflora 'Edward Goucher' - Pink Abelia	23.78
32 93 33 00-0007	EA	15 Gallon Abelia grandiflora 'Edward Goucher' - Pink Abelia	94.38
32 93 33 00-0008	EA	3 Gallon Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	101.16
32 93 33 00-0009	EA	18" Balled and Burlapped, Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	147.84
32 93 33 00-0010	EA	24" Balled and Burlapped, Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	164.96
32 93 33 00-0011	EA	30" Balled and Burlapped, Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	208.54
32 93 33 00-0012	EA	36" Balled and Burlapped, Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	231.88
32 93 33 00-0013	EA	18" Balled and Burlapped, Aesculus parviflora - Bottlebrush Buckeye	46.69
32 93 33 00-0014	EA	24" Balled and Burlapped, Aesculus parviflora - Bottlebrush Buckeye	62.25
32 93 33 00-0015	EA	30" Balled and Burlapped, Aesculus parviflora - Bottlebrush Buckeye	77.81
32 93 33 00-0016	EA	1 Gallon Agapanthus 'Peter Pan' - Lily of the Nile	9.61
32 93 33 00-0017	EA	5 Gallon Agapanthus 'Peter Pan' - Lily of the Nile	23.78
32 93 33 00-0018	EA	36" Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry	42.46
32 93 33 00-0019	EA	42" Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry	49.95

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 33 00-0020	EA	48" Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry.....	59.94
32 93 33 00-0021	EA	60" Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry.....	69.93
32 93 33 00-0022	EA	72" Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry.....	84.92
32 93 33 00-0023	EA	36" Balled and Burlapped, Aronia melanocarpa & cvs - Black Chokeberry.....	41.21
32 93 33 00-0024	EA	42" Balled and Burlapped, Aronia melanocarpa & cvs - Black Chokeberry.....	43.71
32 93 33 00-0025	EA	48" Balled and Burlapped, Aronia melanocarpa & cvs - Black Chokeberry.....	46.21
32 93 33 00-0026	EA	60" Balled and Burlapped, Aronia melanocarpa & cvs - Black Chokeberry.....	52.45
32 93 33 00-0027	EA	36" Balled and Burlapped, Aronia prunifolia - Purple-Fruited Chokeberry.....	41.84
32 93 33 00-0028	EA	42" Balled and Burlapped, Aronia prunifolia - Purple-Fruited Chokeberry.....	44.33
32 93 33 00-0029	EA	48" Balled and Burlapped, Aronia prunifolia - Purple-Fruited Chokeberry.....	46.83
32 93 33 00-0030	EA	60" Balled and Burlapped, Aronia prunifolia - Purple-Fruited Chokeberry.....	49.33
32 93 33 00-0031	EA	1 Gallon Aspidistra elatior - Cast Iron Plant.....	8.59
32 93 33 00-0032	EA	2 Gallon Aspidistra elatior - Cast Iron Plant.....	19.86
32 93 33 00-0033	EA	1 Gallon Aucuba japonica "Variegata" - Gold Dust Plant.....	10.06
32 93 33 00-0034	EA	3 Gallon Aucuba japonica "Variegata" - Gold Dust Plant.....	22.14
32 93 33 00-0035	EA	5 Gallon Aucuba japonica "Variegata" - Gold Dust Plant.....	29.92
32 93 33 00-0036	EA	1 Gallon Baccharis pilularis 'Pigeon Point' - Dwarf Coyote Brush.....	9.61
32 93 33 00-0037	EA	5 Gallon Baccharis pilularis 'Pigeon Point' - Dwarf Coyote Brush.....	23.78
32 93 33 00-0038	EA	1 Gallon Baccharis pilularis 'Twin Peaks' - Dwarf Coyote Brush.....	9.61
32 93 33 00-0039	EA	5 Gallon Baccharis pilularis 'Twin Peaks' - Dwarf Coyote Brush.....	23.78
32 93 33 00-0040	EA	1 Gallon Bauhinia purpurea - Orange-eye Butterfly Bush.....	10.73
32 93 33 00-0041	EA	2 Gallon Bauhinia purpurea - Orange-eye Butterfly Bush.....	15.70
32 93 33 00-0042	EA	15" To 18" Berberis - Northern Bayberry.....	44.81
32 93 33 00-0043	EA	2' To 2-1/2' Berberis - Northern Bayberry.....	56.88
32 93 33 00-0044	EA	2-1/2' To 3' Berberis - Northern Bayberry.....	79.69
32 93 33 00-0045	EA	1 Gallon Berberis Buxifolia 'Nana' - Barberry.....	10.85
32 93 33 00-0046	EA	5 Gallon Berberis Buxifolia 'Nana' - Barberry.....	26.15
32 93 33 00-0047	EA	18" To 24" Berberis julianae - Dwarf Wintergreen Barberry.....	47.89
32 93 33 00-0048	EA	2' To 2-1/2' Berberis julianae - Dwarf Wintergreen Barberry.....	61.31
32 93 33 00-0049	EA	2-1/2' To 3' Berberis julianae - Dwarf Wintergreen Barberry.....	78.35
32 93 33 00-0050	EA	1 Gallon Berberis thunbergii - Crimson Pygmy Barberry.....	12.88
32 93 33 00-0051	EA	2 Gallon Berberis thunbergii - Crimson Pygmy Barberry.....	25.36
32 93 33 00-0052	EA	3 Gallon Berberis thunbergii - Crimson Pygmy Barberry.....	30.99
32 93 33 00-0053	EA	1 Gallon Berberis x mentorensis - Mentor Barberry.....	12.21
32 93 33 00-0054	EA	5 Gallon Berberis x mentorensis - Mentor Barberry.....	34.48
32 93 33 00-0055	EA	2' To 3' Berberis x mentorensis - Mentor Barberry.....	47.89
32 93 33 00-0056	EA	3' To 4' Berberis x mentorensis - Mentor Barberry.....	73.92
32 93 33 00-0057	EA	1 Gallon Buxus microphylla japonica - Japanese Boxwood.....	13.95
32 93 33 00-0058	EA	5 Gallon Buxus microphylla japonica - Japanese Boxwood.....	37.43
32 93 33 00-0059	EA	12" To 15" Buxus microphylla japonica - Japanese Boxwood.....	39.85
32 93 33 00-0060	EA	15" To 18" Buxus microphylla japonica - Japanese Boxwood.....	51.25
32 93 33 00-0061	EA	18" To 24" Buxus microphylla japonica - Japanese Boxwood.....	68.29
32 93 33 00-0062	EA	24" To 30" Buxus microphylla japonica - Japanese Boxwood.....	102.50
32 93 33 00-0063	EA	30" To 36" Buxus microphylla japonica - Japanese Boxwood.....	142.34
32 93 33 00-0064	EA	12" To 15" Buxus sempervirens - Common Boxwood.....	39.85
32 93 33 00-0065	EA	15" To 18" Buxus sempervirens - Common Boxwood.....	51.25
32 93 33 00-0066	EA	18" To 24" Buxus sempervirens - Common Boxwood.....	68.29
32 93 33 00-0067	EA	24" To 30" Buxus sempervirens - Common Boxwood.....	102.50
32 93 33 00-0068	EA	2 Gallon Buxus Hybrid - Boxwood Cultivars.....	26.23
32 93 33 00-0069	EA	5 Gallon Buxus Hybrid - Boxwood Cultivars.....	43.71
32 93 33 00-0070	EA	5 Gallon Buxus microphylla & cvs - Little leaf Boxwood.....	114.89
32 93 33 00-0071	EA	18" Balled and Burlapped, Buxus microphylla & cvs - Little leaf Boxwood.....	62.44
32 93 33 00-0072	EA	24" Balled and Burlapped, Buxus microphylla & cvs - Little leaf Boxwood.....	84.92
32 93 33 00-0073	EA	30" Balled and Burlapped, Buxus microphylla & cvs - Little leaf Boxwood.....	114.89
32 93 33 00-0074	EA	1 Gallon Callistemon citrinus 'Little John' - Dwarf Bottle Bush.....	6.18
32 93 33 00-0075	EA	5 Gallon Callistemon citrinus 'Little John' - Dwarf Bottle Bush.....	19.02
32 93 33 00-0076	EA	15 Gallon Callistemon citrinus 'Little John' - Dwarf Bottle Bush.....	61.80
32 93 33 00-0077	EA	5 Gallon Calycanthus floridus - Common Sweetshrub.....	41.21
32 93 33 00-0078	EA	30" Balled and Burlapped, Calycanthus floridus - Common Sweetshrub.....	37.46
32 93 33 00-0079	EA	36" Balled and Burlapped, Calycanthus floridus - Common Sweetshrub.....	49.95
32 93 33 00-0080	EA	1 Gallon Camellia "Sasanqua" - Camellia.....	18.40
32 93 33 00-0081	EA	3 Gallon Camellia "Sasanqua" - Camellia.....	39.26
32 93 33 00-0082	EA	5 Gallon Camellia "Sasanqua" - Camellia.....	65.27
32 93 33 00-0083	EA	7 Gallon Camellia "Sasanqua" - Camellia.....	97.19
32 93 33 00-0084	EA	15 Gallon Camellia "Sasanqua" - Camellia.....	252.16
32 93 33 00-0085	EA	1 Gallon Camellia japonica - Camellia.....	18.40
32 93 33 00-0086	EA	3 Gallon Camellia japonica - Camellia.....	39.26
32 93 33 00-0087	EA	5 Gallon Camellia japonica - Camellia.....	65.27
32 93 33 00-0088	EA	5 Gallon Ceanothus americanus - New Jersey Tea.....	41.21
32 93 33 00-0089	EA	1 Gallon Ceanothus Griseus Horizontalis 'Yankee Point' - Yankee Point Ceanothus.....	10.85
32 93 33 00-0090	EA	5 Gallon Ceanothus Griseus Horizontalis 'Yankee Point' - Yankee Point Ceanothus.....	28.22
32 93 33 00-0091	EA	5 Gallon Celastrus scandens - Bittersweet.....	41.21
32 93 33 00-0092	EA	36" Balled and Burlapped, Celastrus scandens - Bittersweet.....	34.97
32 93 33 00-0093	EA	5 Gallon Cephalanthus occidentalis - Buttonbush.....	41.21
32 93 33 00-0094	EA	24" Balled and Burlapped, Cephalanthus occidentalis - Buttonbush.....	31.22
32 93 33 00-0095	EA	30" Balled and Burlapped, Cephalanthus occidentalis - Buttonbush.....	34.97
32 93 33 00-0096	EA	36" Balled and Burlapped, Cephalanthus occidentalis - Buttonbush.....	37.46
32 93 33 00-0097	EA	18" To 24" Chaenomeles speciosa - Flowering Quince.....	35.95
32 93 33 00-0098	EA	2' To 3' Chaenomeles speciosa - Flowering Quince.....	47.89
32 93 33 00-0099	EA	3' To 4' Chaenomeles speciosa - Flowering Quince.....	73.92
32 93 33 00-0100	EA	1 Gallon Cistus Hybridus - White Rockrose.....	9.61
32 93 33 00-0101	EA	5 Gallon Cistus Hybridus - White Rockrose.....	23.78
32 93 33 00-0102	EA	3 Gallon Clethra alnifolia & cvs - Summersweet Clethra.....	39.96
32 93 33 00-0103	EA	18" Balled and Burlapped, Clethra alnifolia & cvs - Summersweet Clethra.....	43.08
32 93 33 00-0104	EA	24" Balled and Burlapped, Clethra alnifolia & cvs - Summersweet Clethra.....	48.08

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 33 00-0105	EA	30" Balled and Burlapped, Clethra alnifolia & cvs - Summersweet Clethra	50.58
32 93 33 00-0106	EA	36" Balled and Burlapped, Clethra alnifolia & cvs - Summersweet Clethra	59.32
32 93 33 00-0107	EA	1 Gallon Coleonema Pulchellum - Confetti Bush	9.61
32 93 33 00-0108	EA	5 Gallon Coleonema Pulchellum - Confetti Bush	23.78
32 93 33 00-0109	EA	15 Gallon Coleonema Pulchellum - Confetti Bush	111.33
32 93 33 00-0110	EA	2' To 3' Cornus mas - Cornelian Cherry	56.88
32 93 33 00-0111	EA	3' To 4' Cornus mas - Cornelian Cherry	71.10
32 93 33 00-0112	EA	4' To 5' Cornus mas - Cornelian Cherry	91.10
32 93 33 00-0113	EA	5' To 6' Cornus mas - Cornelian Cherry	125.17
32 93 33 00-0114	EA	5 Gallon Cornus alba & cvs - Tartarian Dogwood	37.46
32 93 33 00-0115	EA	36" Balled and Burlapped, Cornus alba & cvs - Tartarian Dogwood	26.23
32 93 33 00-0116	EA	48" Balled and Burlapped, Cornus alba & cvs - Tartarian Dogwood	29.97
32 93 33 00-0117	EA	60" Balled and Burlapped, Cornus alba & cvs - Tartarian Dogwood	37.46
32 93 33 00-0118	EA	72" Balled and Burlapped, Cornus alba & cvs - Tartarian Dogwood	44.96
32 93 33 00-0119	EA	36" Balled and Burlapped, Cornus amomum - Silky Dogwood	37.46
32 93 33 00-0120	EA	5 Gallon Cornus obliqua - Blue Fruited Dogwood	41.21
32 93 33 00-0121	EA	5 Gallon Cornus racemosa - Gray Dogwood	41.21
32 93 33 00-0122	EA	36" Balled and Burlapped, Cornus racemosa - Gray Dogwood	37.46
32 93 33 00-0123	EA	48" Balled and Burlapped, Cornus racemosa - Gray Dogwood	43.71
32 93 33 00-0124	EA	60" Balled and Burlapped, Cornus racemosa - Gray Dogwood	47.46
32 93 33 00-0125	EA	72" Balled and Burlapped, Cornus racemosa - Gray Dogwood	57.45
32 93 33 00-0126	EA	36" Balled and Burlapped, Cornus sanguinea & cvs - Bloodtwig Dogwood	40.59
32 93 33 00-0127	EA	48" Balled and Burlapped, Cornus sanguinea & cvs - Bloodtwig Dogwood	45.58
32 93 33 00-0128	EA	60" Balled and Burlapped, Cornus sanguinea & cvs - Bloodtwig Dogwood	51.83
32 93 33 00-0129	EA	24" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood	32.47
32 93 33 00-0130	EA	30" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood	37.46
32 93 33 00-0131	EA	36" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood	39.96
32 93 33 00-0132	EA	48" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood	43.71
32 93 33 00-0133	EA	60" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood	48.70
32 93 33 00-0134	EA	5 Gallon Corylus americana - American Filbert	38.71
32 93 33 00-0135	EA	30" Balled and Burlapped, Corylus americana - American Filbert	43.71
32 93 33 00-0136	EA	36" Balled and Burlapped, Corylus americana - American Filbert	46.83
32 93 33 00-0137	EA	48" Balled and Burlapped, Corylus americana - American Filbert	50.58
32 93 33 00-0138	EA	24" Balled and Burlapped, Corylus avellana - Contorted Hazelnut	124.88
32 93 33 00-0139	EA	30" Balled and Burlapped, Corylus avellana - Contorted Hazelnut	162.35
32 93 33 00-0140	EA	36" Balled and Burlapped, Corylus avellana - Contorted Hazelnut	174.84
32 93 33 00-0141	EA	42" Balled and Burlapped, Corylus avellana - Contorted Hazelnut	224.79
32 93 33 00-0142	EA	48" Balled and Burlapped, Corylus avellana - Contorted Hazelnut	274.74
32 93 33 00-0143	EA	60" Balled and Burlapped, Corylus avellana - Contorted Hazelnut	312.21
32 93 33 00-0144	EA	5' To 6' Cotinus coggygria - Smoke Tree	119.54
32 93 33 00-0145	EA	6' To 8' Cotinus coggygria - Smoke Tree	179.24
32 93 33 00-0146	EA	8' To 10' Cotinus coggygria - Smoke Tree	270.33
32 93 33 00-0147	EA	5 Gallon Cotoneaster acutifolia & cvs - Peking Cotoneaster	31.22
32 93 33 00-0148	EA	18" Balled and Burlapped, Cotoneaster acutifolia & cvs - Peking Cotoneaster	31.22
32 93 33 00-0149	EA	24" Balled and Burlapped, Cotoneaster acutifolia & cvs - Peking Cotoneaster	32.47
32 93 33 00-0150	EA	12" To 15" Spread Cotoneaster adpressus - Creeping Cotoneaster	29.92
32 93 33 00-0151	EA	3 Gallon Cotoneaster apiculata & cvs - Cranberry Cotoneaster	32.47
32 93 33 00-0152	EA	18" Balled and Burlapped, Cotoneaster apiculata & cvs - Cranberry Cotoneaster	31.22
32 93 33 00-0153	EA	24" Balled and Burlapped, Cotoneaster apiculata & cvs - Cranberry Cotoneaster	32.47
32 93 33 00-0154	EA	1 Gallon Cotoneaster divaricatus - Spreading Cotoneaster	12.88
32 93 33 00-0155	EA	2' To 3' Cotoneaster divaricatus - Spreading Cotoneaster	39.85
32 93 33 00-0156	EA	3' To 4' Cotoneaster divaricatus - Spreading Cotoneaster	53.80
32 93 33 00-0157	EA	4' To 5' Cotoneaster divaricatus - Spreading Cotoneaster	91.09
32 93 33 00-0158	EA	1 Gallon Cotoneaster glaucophyllus - Gray Leaf Cotoneaster	9.61
32 93 33 00-0159	EA	5 Gallon Cotoneaster glaucophyllus - Gray Leaf Cotoneaster	23.78
32 93 33 00-0160	EA	1 Gallon Cotoneaster horizontalis - Rockspray Cotoneaster	12.88
32 93 33 00-0161	EA	2 Gallon Cotoneaster horizontalis - Rockspray Cotoneaster	25.36
32 93 33 00-0162	EA	1 Gallon Cotoneaster lacteus - Red Clusterberry	9.61
32 93 33 00-0163	EA	5 Gallon Cotoneaster lacteus - Red Clusterberry	23.78
32 93 33 00-0164	EA	15 Gallon Cotoneaster lacteus - Red Clusterberry	94.38
32 93 33 00-0165	EA	1 Gallon Dendromecon harfordii - Island Bush Poppy	15.85
32 93 33 00-0166	EA	5 Gallon Dendromecon harfordii - Island Bush Poppy	39.62
32 93 33 00-0167	EA	18" Balled and Burlapped, Deutzia gracilis - Slender Deutzia	31.85
32 93 33 00-0168	EA	24" Balled and Burlapped, Deutzia gracilis - Slender Deutzia	34.97
32 93 33 00-0169	EA	30" Balled and Burlapped, Deutzia gracilis - Slender Deutzia	44.96
32 93 33 00-0170	EA	36" Balled and Burlapped, Deutzia gracilis - Slender Deutzia	52.45
32 93 33 00-0171	EA	42" Balled and Burlapped, Deutzia gracilis - Slender Deutzia	59.94
32 93 33 00-0172	EA	24" Balled and Burlapped, Diervilla sessilifolia - Southern Bush Honeysuckle	49.95
32 93 33 00-0173	EA	30" Balled and Burlapped, Diervilla sessilifolia - Southern Bush Honeysuckle	59.94
32 93 33 00-0174	EA	36" Balled and Burlapped, Diervilla sessilifolia - Southern Bush Honeysuckle	69.93
32 93 33 00-0175	EA	2 Gallon Diervilla splendens - Splendens Bush Honeysuckle	18.73
32 93 33 00-0176	EA	36" Balled and Burlapped, Diervilla splendens - Splendens Bush Honeysuckle	44.96
32 93 33 00-0177	EA	48" Balled and Burlapped, Diervilla splendens - Splendens Bush Honeysuckle	59.94
32 93 33 00-0178	EA	1 Gallon Elaeagnus - Silverberry	11.49
32 93 33 00-0179	EA	3 Gallon Elaeagnus - Silverberry	22.98
32 93 33 00-0180	EA	5 Gallon Elaeagnus - Silverberry	31.60
32 93 33 00-0181	EA	5 Gallon Elaeagnus angustifolia - Russian Olive	23.78
32 93 33 00-0182	EA	1 Gallon Elaeagnus ebbingei 'Gilt Edge' - Gilt Edge Silverberry	9.61
32 93 33 00-0183	EA	5 Gallon Elaeagnus ebbingei 'Gilt Edge' - Gilt Edge Silverberry	23.78
32 93 33 00-0184	EA	15 Gallon Elaeagnus ebbingei 'Gilt Edge' - Gilt Edge Silverberry	94.38
32 93 33 00-0185	EA	1 Gallon Elaeagnus pungens 'Fruitlandii' - Fruitland Silverberry	9.61
32 93 33 00-0186	EA	5 Gallon Elaeagnus pungens 'Fruitlandii' - Fruitland Silverberry	23.78
32 93 33 00-0187	EA	15 Gallon Elaeagnus pungens 'Fruitlandii' - Fruitland Silverberry	94.38
32 93 33 00-0188	EA	3' To 4' Elaeagnus umbellata - Autumn Olive	37.30
32 93 33 00-0189	EA	4' To 5' Elaeagnus umbellata - Autumn Olive	51.25

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 33 00-0190	EA	5' To 6' Elaeagnus umbellata - Autumn Olive	61.31
32 93 33 00-0191	EA	3' To 4' Elaeagnus angustifolia - Russian Olive	59.70
32 93 33 00-0192	EA	1 Gallon Escallonia x exoniensis 'Fradesii' - Pink Princess Escallonia	9.61
32 93 33 00-0193	EA	5 Gallon Escallonia x exoniensis 'Fradesii' - Pink Princess Escallonia	23.78
32 93 33 00-0194	EA	15 Gallon Escallonia x exoniensis 'Fradesii' - Pink Princess Escallonia	94.38
32 93 33 00-0195	EA	1 Gallon Euonymus - Gold Spot	10.73
32 93 33 00-0196	EA	2 Gallon Euonymus - Gold Spot	22.54
32 93 33 00-0197	EA	5 Gallon Euonymus - Gold Spot	30.99
32 93 33 00-0198	EA	1 Gallon Euonymus alatus - Winged Euonymus	9.16
32 93 33 00-0199	EA	3 Gallon Euonymus alatus - Winged Euonymus	26.43
32 93 33 00-0200	EA	24" Balled and Burlapped, Euonymus alatus - Winged Euonymus	35.62
32 93 33 00-0201	EA	30" Balled and Burlapped, Euonymus alatus - Winged Euonymus	44.52
32 93 33 00-0202	EA	36" Balled and Burlapped, Euonymus alatus - Winged Euonymus	61.18
32 93 33 00-0203	EA	42" Balled and Burlapped, Euonymus alatus - Winged Euonymus	75.54
32 93 33 00-0204	EA	48" Balled and Burlapped, Euonymus alatus - Winged Euonymus	89.04
32 93 33 00-0205	EA	54" Balled and Burlapped, Euonymus alatus - Winged Euonymus	114.89
32 93 33 00-0206	EA	5 Gallon Euonymus alatus - Winged Euonymus	33.03
32 93 33 00-0207	EA	60" Balled and Burlapped, Euonymus alatus - Winged Euonymus	143.62
32 93 33 00-0208	EA	30" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus	56.20
32 93 33 00-0209	EA	36" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus	66.81
32 93 33 00-0210	EA	42" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus	87.42
32 93 33 00-0211	EA	48" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus	104.90
32 93 33 00-0212	EA	60" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus	129.88
32 93 33 00-0213	EA	18" To 24" Euonymus alatus - Winged Burning Bush	39.85
32 93 33 00-0214	EA	2' To 2-1/2' Euonymus alatus - Winged Burning Bush	46.96
32 93 33 00-0215	EA	2-1/2' To 3' Euonymus alatus - Winged Burning Bush	64.13
32 93 33 00-0216	EA	3' To 3-1/2' Euonymus alatus - Winged Burning Bush	76.87
32 93 33 00-0217	EA	3-1/2' To 4' Euonymus alatus - Winged Burning Bush	96.73
32 93 33 00-0218	EA	4' To 5' Euonymus alatus - Winged Burning Bush	136.57
32 93 33 00-0219	EA	5' To 6' Euonymus alatus - Winged Burning Bush	170.78
32 93 33 00-0220	EA	6' To 8' Euonymus alatus - Winged Burning Bush	199.23
32 93 33 00-0221	EA	15" To 18" Euonymus alatus - Dwarf Winged Burning Bush	39.85
32 93 33 00-0222	EA	18" To 24" Euonymus alatus - Dwarf Winged Burning Bush	45.48
32 93 33 00-0223	EA	2' To 2-1/2' Euonymus alatus - Dwarf Winged Burning Bush	55.54
32 93 33 00-0224	EA	2-1/2' To 3' Euonymus alatus - Dwarf Winged Burning Bush	78.35
32 93 33 00-0225	EA	3' To 3-1/2' Euonymus alatus - Dwarf Winged Burning Bush	92.57
32 93 33 00-0226	EA	3-1/2' To 4' Euonymus alatus - Dwarf Winged Burning Bush	110.95
32 93 33 00-0227	EA	4' To 5' Euonymus alatus - Dwarf Winged Burning Bush	156.56
32 93 33 00-0228	EA	5' To 6' Euonymus alatus - Dwarf Winged Burning Bush	185.00
32 93 33 00-0229	EA	36" Balled and Burlapped, Euonymus atropurpurea - Eastern Wahoo	33.72
32 93 33 00-0230	EA	1 Gallon Euonymus fortunei - Wintercreeper	12.88
32 93 33 00-0231	EA	2 Gallon Euonymus fortunei - Wintercreeper	25.36
32 93 33 00-0232	EA	3 Gallon Euonymus fortunei - Wintercreeper	30.99
32 93 33 00-0233	EA	5 Gallon Euonymus fortunei - Wintercreeper	36.76
32 93 33 00-0234	EA	1 Gallon Euonymus japonicus - Evergreen Spindle	9.61
32 93 33 00-0235	EA	5 Gallon Euonymus japonicus - Evergreen Spindle	23.78
32 93 33 00-0236	EA	15 Gallon Euonymus japonicus - Evergreen Spindle	94.38
32 93 33 00-0237	EA	2' To 3' Forsythia - Korean Forsythia	28.44
32 93 33 00-0238	EA	3' To 4' Forsythia - Korean Forsythia	35.96
32 93 33 00-0239	EA	4' To 5' Forsythia - Korean Forsythia	44.81
32 93 33 00-0240	EA	30" Balled and Burlapped, Forsythia cvs - Forsythia cultivars	28.72
32 93 33 00-0241	EA	36" Balled and Burlapped, Forsythia cvs - Forsythia cultivars	31.85
32 93 33 00-0242	EA	48" Balled and Burlapped, Forsythia cvs - Forsythia cultivars	34.34
32 93 33 00-0243	EA	18" Balled and Burlapped, Forsythia viridissima & cvs - Green Forsythia	29.97
32 93 33 00-0244	EA	24" Balled and Burlapped, Forsythia viridissima & cvs - Green Forsythia	39.96
32 93 33 00-0245	EA	24" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia	29.97
32 93 33 00-0246	EA	30" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia	34.97
32 93 33 00-0247	EA	36" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia	41.21
32 93 33 00-0248	EA	42" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia	47.46
32 93 33 00-0249	EA	48" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia	54.95
32 93 33 00-0250	EA	2 Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla	42.46
32 93 33 00-0251	EA	3 Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla	59.32
32 93 33 00-0252	EA	5 Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla	62.44
32 93 33 00-0253	EA	15" Balled and Burlapped, Fothergilla gardenii & cvs - Dwarf Fothergilla	64.94
32 93 33 00-0254	EA	18" Balled and Burlapped, Fothergilla gardenii & cvs - Dwarf Fothergilla	69.93
32 93 33 00-0255	EA	24" Balled and Burlapped, Fothergilla gardenii & cvs - Dwarf Fothergilla	84.92
32 93 33 00-0256	EA	24" Balled and Burlapped, Fothergilla major - Large Fothergilla	109.90
32 93 33 00-0257	EA	30" Balled and Burlapped, Fothergilla major - Large Fothergilla	124.88
32 93 33 00-0258	EA	1 Gallon Gardenia jasminoides - Cape Jasmine	9.26
32 93 33 00-0259	EA	3 Gallon Gardenia jasminoides - Cape Jasmine	24.28
32 93 33 00-0260	EA	5 Gallon Gardenia jasminoides - Cape Jasmine	30.99
32 93 33 00-0261	EA	1 Gallon Grevillea 'Noellii' - Noel's Grevillea	9.61
32 93 33 00-0262	EA	5 Gallon Grevillea 'Noellii' - Noel's Grevillea	23.78
32 93 33 00-0263	EA	15 Gallon Grevillea 'Noellii' - Noel's Grevillea	94.38
32 93 33 00-0264	EA	36" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel	87.42
32 93 33 00-0265	EA	48" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel	142.37
32 93 33 00-0266	EA	60" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel	179.83
32 93 33 00-0267	EA	72" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel	274.74
32 93 33 00-0268	EA	84" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel	312.21
32 93 33 00-0269	EA	1 Gallon Hedychium gartdnerum - Variegated Ginger	5.31
32 93 33 00-0270	EA	3 Gallon Hedychium gartdnerum - Variegated Ginger	18.67
32 93 33 00-0271	EA	5 Gallon Hedychium gartdnerum - Variegated Ginger	35.90
32 93 33 00-0272	EA	1 Gallon Hibiscus rosa-sinensis - Hibiscus	13.61
32 93 33 00-0273	EA	3 Gallon Hibiscus rosa-sinensis - Hibiscus	22.98
32 93 33 00-0274	EA	5 Gallon Hibiscus rosa-sinensis - Hibiscus	34.75

MINOR		CSI UOM DESCRIPTION		TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
32 93 33 00-0275	EA	5 Gallon Hibiscus syriacus - Rose Of Sharon	35.96		
32 93 33 00-0276	EA	2' To 3' Hibiscus syriacus - Rose Of Sharon	30.59		
32 93 33 00-0277	EA	3' To 4' Hibiscus syriacus - Rose Of Sharon	41.32		
32 93 33 00-0278	EA	4' To 5' Hibiscus syriacus - Rose Of Sharon	59.70		
32 93 33 00-0279	EA	5' To 6' Hibiscus syriacus - Rose Of Sharon	82.51		
32 93 33 00-0280	EA	2 Gallon Hydrangea - Blue Hydrangea	25.36		
32 93 33 00-0281	EA	5 Gallon Hydrangea - Blue Hydrangea	35.69		
32 93 33 00-0282	EA	2' To 3' Hydrangea paniculata "Grandiflora" - Peegee Hydrangea	39.84		
32 93 33 00-0283	EA	3' To 4' Hydrangea paniculata "Grandiflora" - Peegee Hydrangea	45.48		
32 93 33 00-0284	EA	2 Gallon Hydrangea quercifolia - Oakleaf Hydrangea	25.36		
32 93 33 00-0285	EA	5 Gallon Hydrangea arborescens & cvs - Smooth Hydrangea	43.71		
32 93 33 00-0286	EA	30" Balled and Burlapped, Hydrangea arborescens & cvs - Smooth Hydrangea	47.46		
32 93 33 00-0287	EA	36" Balled and Burlapped, Hydrangea arborescens & cvs - Smooth Hydrangea	54.95		
32 93 33 00-0288	EA	4 Gallon Hydrangea macrophylla & cvs - Bingleaf Hydrangea	57.45		
32 93 33 00-0289	EA	18" Balled and Burlapped, Hydrangea macrophylla & cvs - Bingleaf Hydrangea	44.96		
32 93 33 00-0290	EA	24" Balled and Burlapped, Hydrangea macrophylla & cvs - Bingleaf Hydrangea	59.94		
32 93 33 00-0291	EA	3 Gallon Hydrangea paniculata & cvs - Panicle Hydrangea	26.23		
32 93 33 00-0292	EA	5 Gallon Hydrangea paniculata & cvs - Panicle Hydrangea	31.22		
32 93 33 00-0293	EA	18" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea	26.85		
32 93 33 00-0294	EA	24" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea	28.72		
32 93 33 00-0295	EA	30" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea	32.47		
32 93 33 00-0296	EA	36" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea	37.46		
32 93 33 00-0297	EA	48" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea	49.95		
32 93 33 00-0298	EA	18" Balled and Burlapped, Hydrangea quercifolia & cvs - Oakleaf Hydrangea	36.22		
32 93 33 00-0299	EA	24" Balled and Burlapped, Hydrangea quercifolia & cvs - Oakleaf Hydrangea	41.21		
32 93 33 00-0300	EA	30" Balled and Burlapped, Hydrangea quercifolia & cvs - Oakleaf Hydrangea	48.70		
32 93 33 00-0301	EA	2 Gallon Hypericum kalmianum - St. John's Wort	25.36		
32 93 33 00-0302	EA	3 Gallon Hypericum kalmianum - Kalm St. John's Wort	29.97		
32 93 33 00-0303	EA	24" Balled and Burlapped, Hypericum kalmianum - Kalm St. John's Wort	32.47		
32 93 33 00-0304	EA	1 Gallon Ilex "Carissa" - Holly	12.88		
32 93 33 00-0305	EA	2 Gallon Ilex "Carissa" - Holly	25.36		
32 93 33 00-0306	EA	5 Gallon Ilex "Carissa" - Holly	35.69		
32 93 33 00-0307	EA	18" To 24" Ilex - Gulf tide Sweet Holly	34.21		
32 93 33 00-0308	EA	2' To 2-1/2' Ilex - Gulf tide Sweet Holly	43.33		
32 93 33 00-0309	EA	2-1/2' To 3' Ilex - Gulf tide Sweet Holly	56.21		
32 93 33 00-0310	EA	3' To 3-1/2' Ilex - Gulf tide Sweet Holly	68.29		
32 93 33 00-0311	EA	3 Gallon Ilex cornuta - Dwarf Horned Holly	25.55		
32 93 33 00-0312	EA	1 Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly	12.88		
32 93 33 00-0313	EA	2 Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly	25.36		
32 93 33 00-0314	EA	5 Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly	36.76		
32 93 33 00-0315	EA	1 Gallon Ilex crenata - Hellers Japanese Holly	12.88		
32 93 33 00-0316	EA	2 Gallon Ilex crenata - Hellers Japanese Holly	28.17		
32 93 33 00-0317	EA	3 Gallon Ilex crenata - Hellers Japanese Holly	36.76		
32 93 33 00-0318	EA	2 Gallon Ilex crenata - Hetzi Japanese Holly	28.17		
32 93 33 00-0319	EA	3 Gallon Ilex crenata - Hetzi Japanese Holly	33.94		
32 93 33 00-0320	EA	2' To 3' Ilex crenata - Hetzi Japanese Holly	68.29		
32 93 33 00-0321	EA	3' To 4' Ilex crenata - Hetzi Japanese Holly	91.09		
32 93 33 00-0322	EA	2' To 3' Ilex opaca - American Holly	91.09		
32 93 33 00-0323	EA	3' To 4' Ilex opaca - American Holly	150.79		
32 93 33 00-0324	EA	4' To 5' Ilex opaca - American Holly	193.46		
32 93 33 00-0325	EA	5' To 6' Ilex opaca - American Holly	233.30		
32 93 33 00-0326	EA	6' To 7' Ilex opaca - American Holly	327.21		
32 93 33 00-0327	EA	7' To 8' Ilex opaca - American Holly	455.33		
32 93 33 00-0328	EA	8' To 10' Ilex opaca - American Holly	654.42		
32 93 33 00-0329	EA	10' To 12' Ilex opaca - American Holly	995.99		
32 93 33 00-0330	EA	12' To 14' Ilex opaca - American Holly	1,209.30		
32 93 33 00-0331	EA	14' To 16' Ilex opaca - American Holly	1,493.85		
32 93 33 00-0332	EA	2' To 3' Ilex verticillata - Winterberry (Female)	91.09		
32 93 33 00-0333	EA	3' To 4' Ilex verticillata - Winterberry (Female)	119.54		
32 93 33 00-0334	EA	2' To 3' Ilex verticillata - Winterberry (Male)	73.92		
32 93 33 00-0335	EA	3' To 4' Ilex verticillata - Winterberry (Male)	102.50		
32 93 33 00-0336	EA	4' To 5' Ilex verticillata - Winterberry (Male)	119.54		
32 93 33 00-0337	EA	1 Gallon Ilex vomitoria - Yaupon Holly	12.08		
32 93 33 00-0338	EA	3 Gallon Ilex vomitoria - Yaupon Holly	24.28		
32 93 33 00-0339	EA	10 Gallon Ilex vomitoria - Yaupon Holly	85.32		
32 93 33 00-0340	EA	18" Balled and Burlapped, Ilex glabra compacta & cvs - Compact Inkberry Holly	38.71		
32 93 33 00-0341	EA	24" Balled and Burlapped, Ilex glabra compacta & cvs - Compact Inkberry Holly	43.71		
32 93 33 00-0342	EA	3 Gallon Ilex meserveae & cvs - Blue Holly	49.95		
32 93 33 00-0343	EA	18" Balled and Burlapped, Ilex meserveae & cvs - Blue Holly	46.21		
32 93 33 00-0344	EA	24" Balled and Burlapped, Ilex meserveae & cvs - Blue Holly	56.20		
32 93 33 00-0345	EA	5 Gallon Ilex verticillata & cvs - Common Winterberry	41.21		
32 93 33 00-0346	EA	24" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry	41.21		
32 93 33 00-0347	EA	30" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry	43.71		
32 93 33 00-0348	EA	36" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry	52.45		
32 93 33 00-0349	EA	42" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry	58.69		
32 93 33 00-0350	EA	48" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry	62.44		
32 93 33 00-0351	EA	60" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry	79.92		
32 93 33 00-0352	EA	4' To 5' Ilex x attenuata "Foster" - Holly	147.98		
32 93 33 00-0353	EA	5' To 6' Ilex x attenuata "Foster" - Holly	196.27		
32 93 33 00-0354	EA	6' To 7' Ilex x attenuata "Foster" - Holly	175.61		
32 93 33 00-0355	EA	7' To 8' Ilex x attenuata "Foster" - Holly	341.43		
32 93 33 00-0356	EA	1 Gallon Jasminum - Jasmine	3.30		
32 93 33 00-0357	EA	3 Gallon Jasminum - Jasmine	12.93		
32 93 33 00-0358	EA	3 Gallon Jasminum - Orange Jasmine	10.05		
32 93 33 00-0359	EA	4' - 5' Jasminum - Orange Jasmine	114.89		

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 33 00-0360	EA	6' - 7' Jasminum - Orange Jasmine.....	229.78
32 93 33 00-0361	EA	8' - 10' Jasminum - Orange Jasmine.....	310.21
32 93 33 00-0362	EA	3 Gallon Juniperus chinensis cvs - Chinese Juniper.....	43.71
32 93 33 00-0363	EA	5 Gallon Juniperus chinensis cvs - Chinese Juniper.....	48.70
32 93 33 00-0364	EA	18" Balled and Burlapped, Juniperus chinensis cvs - Chinese Juniper.....	64.94
32 93 33 00-0365	EA	24" Balled and Burlapped, Juniperus chinensis cvs - Chinese Juniper.....	84.92
32 93 33 00-0366	EA	30" Balled and Burlapped, Juniperus chinensis cvs - Chinese Juniper.....	99.91
32 93 33 00-0367	EA	36" Balled and Burlapped, Juniperus chinensis cvs - Chinese Juniper.....	134.87
32 93 33 00-0368	EA	48" Balled and Burlapped, Juniperus chinensis cvs - Chinese Juniper.....	184.83
32 93 33 00-0369	EA	1 Gallon Juniperus horizontalis cvs - Creeping Juniper.....	20.82
32 93 33 00-0370	EA	3 Gallon Juniperus horizontalis cvs - Creeping Juniper.....	43.71
32 93 33 00-0371	EA	5 Gallon Juniperus horizontalis cvs - Creeping Juniper.....	48.70
32 93 33 00-0372	EA	15" Balled and Burlapped, Juniperus horizontalis cvs - Creeping Juniper.....	52.45
32 93 33 00-0373	EA	18" Balled and Burlapped, Juniperus horizontalis cvs - Creeping Juniper.....	57.45
32 93 33 00-0374	EA	24" Balled and Burlapped, Juniperus horizontalis cvs - Creeping Juniper.....	69.93
32 93 33 00-0375	EA	30" Balled and Burlapped, Juniperus horizontalis cvs - Creeping Juniper.....	84.92
32 93 33 00-0376	EA	3 Gallon Juniperus procumbens cvs - Japanese Garden Juniper.....	33.72
32 93 33 00-0377	EA	18" Balled and Burlapped, Juniperus procumbens cvs - Japanese Garden Juniper.....	39.96
32 93 33 00-0378	EA	24" Balled and Burlapped, Juniperus procumbens cvs - Japanese Garden Juniper.....	54.95
32 93 33 00-0379	EA	30" Balled and Burlapped, Juniperus procumbens cvs - Japanese Garden Juniper.....	69.93
32 93 33 00-0380	EA	36" Balled and Burlapped, Juniperus procumbens cvs - Japanese Garden Juniper.....	84.92
32 93 33 00-0381	EA	3 Gallon Juniperus sabina cvs - Savin Juniper.....	31.22
32 93 33 00-0382	EA	5 Gallon Juniperus sabina cvs - Savin Juniper.....	37.46
32 93 33 00-0383	EA	4 Gallon Juniperus virginiana cvs - Red Cedar Juniper.....	32.47
32 93 33 00-0384	EA	36" Balled and Burlapped, Juniperus virginiana cvs - Red Cedar Juniper.....	62.44
32 93 33 00-0385	EA	48" Balled and Burlapped, Juniperus virginiana cvs - Red Cedar Juniper.....	97.41
32 93 33 00-0386	EA	60" Balled and Burlapped, Juniperus virginiana cvs - Red Cedar Juniper.....	122.38
32 93 33 00-0387	EA	15" To 18" Kalmia latifolia - Mountain Laurel.....	51.25
32 93 33 00-0388	EA	18" To 24" Kalmia latifolia - Mountain Laurel.....	68.29
32 93 33 00-0389	EA	2' To 3' Kalmia latifolia - Mountain Laurel.....	99.55
32 93 33 00-0390	EA	4' To 5' Kalmia latifolia - Mountain Laurel.....	182.05
32 93 33 00-0391	EA	5' To 6' Kalmia latifolia - Mountain Laurel.....	278.91
32 93 33 00-0392	EA	6' To 8' Kalmia latifolia - Mountain Laurel.....	426.89
32 93 33 00-0393	EA	1 Gallon Kerria japonica - Kerria.....	11.40
32 93 33 00-0394	EA	5 Gallon Kerria japonica - Kerria.....	35.69
32 93 33 00-0395	EA	24" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush.....	36.22
32 93 33 00-0396	EA	30" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush.....	41.21
32 93 33 00-0397	EA	36" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush.....	44.96
32 93 33 00-0398	EA	42" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush.....	52.45
32 93 33 00-0399	EA	48" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush.....	59.94
32 93 33 00-0400	EA	60" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush.....	74.93
32 93 33 00-0401	EA	1 Gallon Lagerstroemia indica - Crape Myrtle.....	8.59
32 93 33 00-0402	EA	5 Gallon Lagerstroemia indica - Crape Myrtle.....	30.59
32 93 33 00-0403	EA	3' To 4' Lagerstroemia indica - Crape Myrtle.....	42.66
32 93 33 00-0404	EA	4' To 5' Lagerstroemia indica - Crape Myrtle.....	62.65
32 93 33 00-0405	EA	5' To 6' Lagerstroemia indica - Crape Myrtle.....	99.55
32 93 33 00-0406	EA	7' To 8' Lagerstroemia indica - Crape Myrtle.....	129.25
32 93 33 00-0407	EA	9' To 10' Lagerstroemia indica - Crape Myrtle.....	172.34
32 93 33 00-0408	EA	11' To 12' Lagerstroemia indica - Crape Myrtle.....	359.04
32 93 33 00-0409	EA	1 Gallon Leucothoe axillaris - Coast Leucothoe.....	12.88
32 93 33 00-0410	EA	2 Gallon Leucothoe axillaris - Coast Leucothoe.....	28.17
32 93 33 00-0411	EA	3 Gallon Leucothoe axillaris - Coast Leucothoe.....	33.94
32 93 33 00-0412	EA	1 Gallon Ligustrum lucidum - Glossy Privet.....	7.92
32 93 33 00-0413	EA	5 Gallon Ligustrum lucidum - Glossy Privet.....	24.28
32 93 33 00-0414	EA	15 Gallon Ligustrum lucidum - Glossy Privet.....	113.77
32 93 33 00-0415	EA	1 Gallon Ligustrum sinense - Variegated Chinese Privet.....	7.92
32 93 33 00-0416	EA	2 Gallon Ligustrum sinense - Variegated Chinese Privet.....	17.04
32 93 33 00-0417	EA	3 Gallon Ligustrum sinense - Variegated Chinese Privet.....	22.14
32 93 33 00-0418	EA	36" Balled and Burlapped, Ligustrum vulgare & cvs - Common Privet.....	37.46
32 93 33 00-0419	EA	48" Balled and Burlapped, Ligustrum vulgare & cvs - Common Privet.....	54.95
32 93 33 00-0420	EA	60" Balled and Burlapped, Ligustrum vulgare & cvs - Common Privet.....	69.93
32 93 33 00-0421	EA	72" Balled and Burlapped, Ligustrum vulgare & cvs - Common Privet.....	79.92
32 93 33 00-0422	EA	5 Gallon Linderia benzoin - Spicebush.....	41.21
32 93 33 00-0423	EA	36" Balled and Burlapped, Linderia benzoin - Spicebush.....	34.97
32 93 33 00-0424	EA	48" Balled and Burlapped, Linderia benzoin - Spicebush.....	42.46
32 93 33 00-0425	EA	2' To 3' Lonicera fragrantissima - Winter Honeysuckle.....	68.29
32 93 33 00-0426	EA	3' To 4' Lonicera fragrantissima - Winter Honeysuckle.....	82.51
32 93 33 00-0427	EA	30" Balled and Burlapped, Lonicera tatarica & cvs - Tatarian Honeysuckle.....	37.46
32 93 33 00-0428	EA	36" Balled and Burlapped, Lonicera tatarica & cvs - Tatarian Honeysuckle.....	44.96
32 93 33 00-0429	EA	42" Balled and Burlapped, Lonicera tatarica & cvs - Tatarian Honeysuckle.....	49.95
32 93 33 00-0430	EA	48" Balled and Burlapped, Lonicera tatarica & cvs - Tatarian Honeysuckle.....	54.95
32 93 33 00-0431	EA	1 Gallon Myrica cerifera - Wax Myrtle.....	7.18
32 93 33 00-0432	EA	4 Gallon Myrica cerifera - Wax Myrtle.....	22.98
32 93 33 00-0433	EA	7 Gallon Myrica cerifera - Wax Myrtle.....	50.27
32 93 33 00-0434	EA	10 Gallon Myrica cerifera - Wax Myrtle.....	74.68
32 93 33 00-0435	EA	15 Gallon Myrica cerifera - Wax Myrtle.....	114.89
32 93 33 00-0436	EA	45 Gallon Myrica cerifera - Wax Myrtle.....	344.68
32 93 33 00-0437	EA	1' - 2' Myrica cerifera - Wax Myrtle.....	10.05
32 93 33 00-0438	EA	3' - 4' Myrica cerifera - Wax Myrtle.....	34.47
32 93 33 00-0439	EA	5' - 6' Myrica cerifera - Wax Myrtle.....	63.19
32 93 33 00-0440	EA	7' - 8' Myrica cerifera - Wax Myrtle.....	86.17
32 93 33 00-0441	EA	9' - 10' Myrica cerifera - Wax Myrtle.....	114.89
32 93 33 00-0442	EA	11' - 12' Myrica cerifera - Wax Myrtle.....	175.21
32 93 33 00-0443	EA	3 Gallon Myrica pensylvanica - Northern Bayberry.....	37.46
32 93 33 00-0444	EA	24" Balled and Burlapped, Myrica pensylvanica - Northern Bayberry.....	61.19

MINOR
CSI UOM DESCRIPTION

 TOTAL DIRECT
UNIT COST DEMOLITION
UNIT COST

32 93 33 00-0445	EA	30" Balled and Burlapped, Myrica pensylvanica - Northern Bayberry.....	89.92
32 93 33 00-0446	EA	36" Balled and Burlapped, Myrica pensylvanica - Northern Bayberry.....	107.40
32 93 33 00-0447	EA	48" Balled and Burlapped, Myrica pensylvanica - Northern Bayberry.....	112.39
32 93 33 00-0448	EA	1 Gallon Myoporum laetum 'Carsonii' Multi - Coast Myoporum	9.61
32 93 33 00-0449	EA	5 Gallon Myoporum laetum 'Carsonii' Multi - Coast Myoporum	23.78
32 93 33 00-0450	EA	15 Gallon Myoporum laetum 'Carsonii' Multi - Coast Myoporum	94.38
32 93 33 00-0451	EA	1 Gallon Nandina domestica - Heavenly Bamboo	12.88
32 93 33 00-0452	EA	2 Gallon Nandina domestica - Heavenly Bamboo	28.17
32 93 33 00-0453	EA	5 Gallon Nandina domestica - Heavenly Bamboo	42.66
32 93 33 00-0454	EA	15 Gallon Nerium oleander - Oleander	103.27
32 93 33 00-0455	EA	24" Box Nerium oleander - Oleander	371.12
32 93 33 00-0456	EA	1 Gallon Osmanthus fragrans - Fragrant Tea Olive	7.92
32 93 33 00-0457	EA	3 Gallon Osmanthus fragrans - Fragrant Tea Olive	21.46
32 93 33 00-0458	EA	1 Gallon Philadelphus - Evergreen Mockorange.....	11.00
32 93 33 00-0459	EA	5 Gallon Philadelphus - Evergreen Mockorange.....	35.69
32 93 33 00-0460	EA	36" Balled and Burlapped, Philadelphus x virginialis & cvs - Mockorange.....	37.46
32 93 33 00-0461	EA	42" Balled and Burlapped, Philadelphus x virginialis & cvs - Mockorange.....	43.71
32 93 33 00-0462	EA	48" Balled and Burlapped, Philadelphus x virginialis & cvs - Mockorange.....	49.95
32 93 33 00-0463	EA	1 Gallon Photinia fraseri - Red-Tipped Photinia.....	9.61
32 93 33 00-0464	EA	5 Gallon Photinia fraseri - Red-Tipped Photinia.....	23.78
32 93 33 00-0465	EA	15 Gallon Photinia fraseri - Red-Tipped Photinia.....	94.38
32 93 33 00-0466	EA	1 Gallon Phormium tenax - New Zealand Flax	10.13
32 93 33 00-0467	EA	5 Gallon Phormium tenax - New Zealand Flax	24.29
32 93 33 00-0468	EA	15 Gallon Phormium tenax - New Zealand Flax	103.27
32 93 33 00-0469	EA	24" Balled and Burlapped, Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark	37.46
32 93 33 00-0470	EA	30" Balled and Burlapped, Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark	43.71
32 93 33 00-0471	EA	36" Balled and Burlapped, Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark	49.95
32 93 33 00-0472	EA	42" Balled and Burlapped, Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark	62.44
32 93 33 00-0473	EA	48" Balled and Burlapped, Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark	74.93
32 93 33 00-0474	EA	12" To 15" Spread Pieris - Mountain Andromeda	34.48
32 93 33 00-0475	EA	15" To 18" Spread Pieris - Mountain Andromeda	73.92
32 93 33 00-0476	EA	12" To 15" Pieris japonica - Japanese Andromeda.....	44.81
32 93 33 00-0477	EA	15" To 18" Pieris japonica - Japanese Andromeda.....	51.25
32 93 33 00-0478	EA	18" To 24" Pieris japonica - Japanese Andromeda.....	64.13
32 93 33 00-0479	EA	2' To 2-1/2' Pieris japonica - Japanese Andromeda.....	91.09
32 93 33 00-0480	EA	2-1/2' To 3' Pieris japonica - Japanese Andromeda.....	108.13
32 93 33 00-0481	EA	24" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	38.91
32 93 33 00-0482	EA	30" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	49.80
32 93 33 00-0483	EA	36" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	59.92
32 93 33 00-0484	EA	48" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	77.04
32 93 33 00-0485	EA	60" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	92.60
32 93 33 00-0486	EA	72" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	135.39
32 93 33 00-0487	EA	30" Balled and Burlapped, Pinus mugo compacta - Dwarf Mugo Pine	84.04
32 93 33 00-0488	EA	36" Balled and Burlapped, Pinus mugo compacta - Dwarf Mugo Pine	101.16
32 93 33 00-0489	EA	48" Balled and Burlapped, Pinus mugo compacta - Dwarf Mugo Pine	134.62
32 93 33 00-0490	EA	1 Gallon Pittosporum - Pittosporum	4.74
32 93 33 00-0491	EA	3 Gallon Pittosporum - Pittosporum	12.21
32 93 33 00-0492	EA	1 Gallon Pittosporum - Variegated Pittosporum.....	4.74
32 93 33 00-0493	EA	3 Gallon Pittosporum - Variegated Pittosporum.....	12.21
32 93 33 00-0494	EA	5 Gallon Pittosporum - Variegated Pittosporum.....	21.40
32 93 33 00-0495	EA	1 Gallon Pittosporum eugenioides - Lemonwood	11.04
32 93 33 00-0496	EA	5 Gallon Pittosporum eugenioides - Lemonwood	26.15
32 93 33 00-0497	EA	1 Gallon Pittosporum tobira - Japanese Pittosporum.....	9.61
32 93 33 00-0498	EA	5 Gallon Pittosporum tobira - Japanese Pittosporum.....	23.78
32 93 33 00-0499	EA	15 Gallon Pittosporum tobira - Japanese Pittosporum.....	94.38
32 93 33 00-0500	EA	1 Gallon Podocarpus macrophyllus - Yew Podocarpus.....	5.74
32 93 33 00-0501	EA	3 Gallon Podocarpus macrophyllus - Yew Podocarpus.....	17.23
32 93 33 00-0502	EA	2 Gallon Potentilla fruticosa & cvs - Bush Cinquefoil	21.23
32 93 33 00-0503	EA	5 Gallon Potentilla fruticosa & cvs - Bush Cinquefoil	29.97
32 93 33 00-0504	EA	18" Balled and Burlapped, Potentilla fruticosa & cvs - Bush Cinquefoil	22.48
32 93 33 00-0505	EA	24" Balled and Burlapped, Potentilla fruticosa & cvs - Bush Cinquefoil	24.98
32 93 33 00-0506	EA	30" Balled and Burlapped, Potentilla fruticosa & cvs - Bush Cinquefoil	36.22
32 93 33 00-0507	EA	36" Balled and Burlapped, Potentilla fruticosa & cvs - Bush Cinquefoil	41.84
32 93 33 00-0508	EA	1 Gallon Prunus caroliniana - Carolina Cherry Laurel.....	5.35
32 93 33 00-0509	EA	5 Gallon Prunus caroliniana - Carolina Cherry Laurel.....	13.37
32 93 33 00-0510	EA	15 Gallon Prunus caroliniana - Carolina Cherry Laurel.....	79.75
32 93 33 00-0511	EA	15" To 18" Prunus laurocerasus - Cherry Laurel	20.40
32 93 33 00-0512	EA	18" To 24" Prunus laurocerasus - Cherry Laurel	25.24
32 93 33 00-0513	EA	24" To 30" Prunus laurocerasus - Cherry Laurel	32.85
32 93 33 00-0514	EA	15" To 18" Prunus triloba - Double White Flowering Almond.....	18.22
32 93 33 00-0515	EA	18" To 24" Prunus triloba - Double White Flowering Almond.....	23.32
32 93 33 00-0516	EA	3' To 4' Prunus triloba - Double White Flowering Almond.....	37.20
32 93 33 00-0517	EA	4' To 6' Prunus triloba - Double White Flowering Almond.....	74.48
32 93 33 00-0518	EA	5 Gallon Prunus triloba - Pink Flowering Almond.....	22.40
32 93 33 00-0519	EA	18" To 24" Prunus triloba - Pink Flowering Almond	25.16
32 93 33 00-0520	EA	2' To 3' Prunus triloba - Pink Flowering Almond	29.26
32 93 33 00-0521	EA	2' To 3' Prunus virginiana - Brilliant Chokeberry	19.90
32 93 33 00-0522	EA	3' To 4' Prunus virginiana - Brilliant Chokeberry	24.41
32 93 33 00-0523	EA	4' To 5' Prunus virginiana - Brilliant Chokeberry	29.26
32 93 33 00-0524	EA	5' To 6' Prunus virginiana - Brilliant Chokeberry	33.52
32 93 33 00-0525	EA	1 Gallon Punica granatum - Dwarf Pomegranate	8.45
32 93 33 00-0526	EA	3 Gallon Punica granatum - Dwarf Pomegranate	24.95
32 93 33 00-0527	EA	7 Gallon Punica granatum - Dwarf Pomegranate	51.25
32 93 33 00-0528	EA	1 Gallon Pyracantha koidzumii "Santa Cruz" - Pyracantha	10.73
32 93 33 00-0529	EA	5 Gallon Pyracantha koidzumii "Santa Cruz" - Pyracantha	35.69

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 33 00-0530	EA	5 Gallon Espalier Pyracantha koidzumi "Santa Cruz" - Pyracantha.....	73.92	
32 93 33 00-0531	EA	1 Gallon Ralphialepis indica - Indian Hawthorne	8.59	
32 93 33 00-0532	EA	2 Gallon Ralphialepis indica - Indian Hawthorne	16.37	
32 93 33 00-0533	EA	5 Gallon Ralphialepis indica - Indian Hawthorne	29.11	
32 93 33 00-0534	EA	1 Gallon Rhamnus californica - Coffeeberry	13.05	
32 93 33 00-0535	EA	5 Gallon Rhamnus californica - Coffeeberry	37.32	
32 93 33 00-0536	EA	15 Gallon Rhamnus californica - Coffeeberry	112.00	
32 93 33 00-0537	EA	4' To 5' Rhamnus frangula "Columnaris" - Tallhedge.....	65.47	
32 93 33 00-0538	EA	5' To 6' Rhamnus frangula "Columnaris" - Tallhedge.....	89.75	
32 93 33 00-0539	EA	6' To 8' Rhamnus frangula "Columnaris" - Tallhedge.....	116.72	
32 93 33 00-0540	EA	10' To 12' Rhamnus frangula "Columnaris" - Tallhedge.....	213.45	
32 93 33 00-0541	EA	1 Gallon Ralphialepis indica 'Ballerina' - Ballerina Indian Hawthorn.....	10.23	
32 93 33 00-0542	EA	5 Gallon Ralphialepis indica 'Ballerina' - Ballerina Indian Hawthorn.....	24.29	
32 93 33 00-0543	EA	15 Gallon Ralphialepis indica 'Ballerina' - Ballerina Indian Hawthorn.....	103.27	
32 93 33 00-0544	EA	1 Gallon Rhododendron - Azalea Evergreen Hybrids	13.95	
32 93 33 00-0545	EA	2 Gallon Rhododendron - Azalea Evergreen Hybrids	28.17	
32 93 33 00-0546	EA	3 Gallon Rhododendron - Azalea Evergreen Hybrids	36.76	
32 93 33 00-0547	EA	5 Gallon Rhododendron - Azalea Evergreen Hybrids	42.66	
32 93 33 00-0548	EA	15" To 18" Rhododendron - Azalea Evergreen Hybrids.....	49.91	
32 93 33 00-0549	EA	18" To 24" Rhododendron - Azalea Evergreen Hybrids.....	62.65	
32 93 33 00-0550	EA	2' To 2-1/2' Rhododendron - Azalea Evergreen Hybrids.....	91.09	
32 93 33 00-0551	EA	2-1/2' To 3' Rhododendron - Azalea Evergreen Hybrids.....	127.99	
32 93 33 00-0552	EA	1 Gallon Rhododendron - Azalea Exbury, Knapp Hill And Liam Hybrids.....	15.70	
32 93 33 00-0553	EA	2 Gallon Rhododendron - Azalea Exbury, Knapp Hill And Liam Hybrids.....	28.17	
32 93 33 00-0554	EA	15' To 18" Rhododendron - Azalea Exbury, Knapp Hill And Liam Hybrids.....	48.43	
32 93 33 00-0555	EA	18" To 24" Rhododendron - Azalea Exbury, Knapp Hill And Liam Hybrids.....	62.65	
32 93 33 00-0556	EA	2' To 3' Rhododendron - Azalea Exbury, Knapp Hill And Liam Hybrids.....	91.09	
32 93 33 00-0557	EA	3' To 4' Rhododendron - Azalea Exbury, Knapp Hill And Liam Hybrids.....	133.76	
32 93 33 00-0558	EA	4' To 5' Rhododendron - Azalea Exbury, Knapp Hill And Liam Hybrids.....	179.24	
32 93 33 00-0559	EA	5 Gallon Rhododendron - Boxleaf Azalea	35.69	
32 93 33 00-0560	EA	15 Gallon Rhododendron - Boxleaf Azalea	127.99	
32 93 33 00-0561	EA	15" To 18" Rhododendron - Carolina Rhododendron	40.38	
32 93 33 00-0562	EA	18" To 24" Rhododendron - Carolina Rhododendron	71.10	
32 93 33 00-0563	EA	24" To 30" Rhododendron - Carolina Rhododendron	105.31	
32 93 33 00-0564	EA	2' To 3' Rhododendron - Five-leafed Azalea	47.89	
32 93 33 00-0565	EA	3' To 4' Rhododendron - Five-leafed Azalea	62.65	
32 93 33 00-0566	EA	4' To 5' Rhododendron - Five-leafed Azalea	82.51	
32 93 33 00-0567	EA	15" To 18" Rhododendron - Ghent Azalea.....	47.89	
32 93 33 00-0568	EA	18" To 24" Rhododendron - Ghent Azalea.....	59.70	
32 93 33 00-0569	EA	2' To 3' Rhododendron - Ghent Azalea.....	96.73	
32 93 33 00-0570	EA	3' To 4' Rhododendron - Ghent Azalea.....	133.76	
32 93 33 00-0571	EA	4' To 5' Rhododendron - Ghent Azalea.....	179.24	
32 93 33 00-0572	EA	5' To 6' Rhododendron - Ghent Azalea.....	239.07	
32 93 33 00-0573	EA	1 Gallon Rhododendron - Hybrid Rhododendron.....	15.70	
32 93 33 00-0574	EA	2 Gallon Rhododendron - Hybrid Rhododendron.....	33.94	
32 93 33 00-0575	EA	3 Gallon Rhododendron - Hybrid Rhododendron.....	48.16	
32 93 33 00-0576	EA	5 Gallon Rhododendron - Hybrid Rhododendron.....	53.80	
32 93 33 00-0577	EA	15" To 18" Rhododendron - Hybrid Rhododendron	45.48	
32 93 33 00-0578	EA	18" To 24" Rhododendron - Hybrid Rhododendron	62.65	
32 93 33 00-0579	EA	24" To 30" Rhododendron - Hybrid Rhododendron	85.32	
32 93 33 00-0580	EA	30" To 36" Rhododendron - Hybrid Rhododendron	99.55	
32 93 33 00-0581	EA	36" To 42" Rhododendron - Hybrid Rhododendron	142.34	
32 93 33 00-0582	EA	42" To 48" Rhododendron - Hybrid Rhododendron	176.42	
32 93 33 00-0583	EA	15" To 18" Rhododendron - Pjm Rhododendron	51.25	
32 93 33 00-0584	EA	18" To 24" Rhododendron - Pjm Rhododendron	62.65	
32 93 33 00-0585	EA	2' To 2-1/2' Rhododendron - Pjm Rhododendron	91.09	
32 93 33 00-0586	EA	2-1/2 To 3' Rhododendron - Pjm Rhododendron	116.72	
32 93 33 00-0587	EA	3' To 3-1/2' Rhododendron - Pjm Rhododendron	142.34	
32 93 33 00-0588	EA	12" To 15" Rhododendron - Torch Azalea	39.85	
32 93 33 00-0589	EA	15" To 18" Rhododendron - Torch Azalea	47.89	
32 93 33 00-0590	EA	18" To 24" Rhododendron - Torch Azalea	59.70	
32 93 33 00-0591	EA	2' To 3' Rhododendron - Torch Azalea	99.55	
32 93 33 00-0592	EA	3 Gallon Rhododendron cvs - Lepidote Rhododendron.....	44.96	
32 93 33 00-0593	EA	5 Gallon Rhododendron cvs - Lepidote Rhododendron.....	54.95	
32 93 33 00-0594	EA	18" Balled and Burlapped, Rhododendron cvs - Lepidote Rhododendron.....	67.44	
32 93 33 00-0595	EA	24" Balled and Burlapped, Rhododendron cvs - Lepidote Rhododendron.....	84.92	
32 93 33 00-0596	EA	30" Balled and Burlapped, Rhododendron cvs - Lepidote Rhododendron.....	99.91	
32 93 33 00-0597	EA	36" Balled and Burlapped, Rhododendron cvs - Lepidote Rhododendron.....	119.89	
32 93 33 00-0598	EA	1 Gallon Rhus glabra - Dwarf Smooth Sumac.....	12.88	
32 93 33 00-0599	EA	5 Gallon Rhus glabra - Dwarf Smooth Sumac.....	35.69	
32 93 33 00-0600	EA	2 Gallon Rhus aromatica & cvs - Fragrant Sumac.....	29.97	
32 93 33 00-0601	EA	5 Gallon Rhus aromatica & cvs - Fragrant Sumac.....	41.21	
32 93 33 00-0602	EA	18" Balled and Burlapped, Rhus aromatica & cvs - Fragrant Sumac.....	47.46	
32 93 33 00-0603	EA	24" Balled and Burlapped, Rhus aromatica & cvs - Fragrant Sumac.....	62.44	
32 93 33 00-0604	EA	36" Balled and Burlapped, Rhus glabra - Smooth Sumac	37.46	
32 93 33 00-0605	EA	48" Balled and Burlapped, Rhus typhina & cvs - Staghorn Sumac.....	62.44	
32 93 33 00-0606	EA	72" Balled and Burlapped, Rhus typhina & cvs - Staghorn Sumac.....	99.91	
32 93 33 00-0607	EA	15" Balled and Burlapped, Ribes alpinum & cvs - Alpine Currant.....	33.72	
32 93 33 00-0608	EA	18" Balled and Burlapped, Ribes alpinum & cvs - Alpine Currant.....	38.71	
32 93 33 00-0609	EA	24" Balled and Burlapped, Ribes alpinum & cvs - Alpine Currant.....	56.20	
32 93 33 00-0610	EA	30" Balled and Burlapped, Ribes alpinum & cvs - Alpine Currant.....	74.93	
32 93 33 00-0611	EA	1 Gallon Rosa hybrids & cvs - Shrub Rose.....	20.61	
32 93 33 00-0612	EA	2 Gallon Rosa hybrids & cvs - Shrub Rose.....	24.98	
32 93 33 00-0613	EA	3 Gallon Rosa hybrids & cvs - Shrub Rose.....	31.22	
32 93 33 00-0614	EA	2 Gallon Rosa rugosa & cvs - Rugosa Rose.....	22.48	

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 33 00-0615	EA	3 Gallon Rosa rugosa & cvs - Rugosa Rose	28.72
32 93 33 00-0616	EA	5 Gallon Sambucus canadensis - American Elder.....	41.21
32 93 33 00-0617	EA	1 Gallon Santolina chamaecyparissus - Lavender Cotton	9.61
32 93 33 00-0618	EA	5 Gallon Santolina chamaecyparissus - Lavender Cotton	23.78
32 93 33 00-0619	EA	1 Gallon Santolina rosmarinifolia - Green Lavender Cotton.....	9.61
32 93 33 00-0620	EA	5 Gallon Santolina rosmarinifolia - Green Lavender Cotton.....	23.78
32 93 33 00-0621	EA	2 Gallon Sarcococca hookeriana humilis - Himalayan Sarcococca	18.51
32 93 33 00-0622	EA	3 Gallon Sarcococca hookeriana humilis - Himalayan Sarcococca	27.10
32 93 33 00-0623	EA	1 Gallon Sarcococca humilis - Fragrant Sarcococca	10.06
32 93 33 00-0624	EA	5 Gallon Sarcococca humilis - Fragrant Sarcococca	26.30
32 93 33 00-0625	EA	5 Gallon Senna artemisioides - Feathery Cassia	19.02
32 93 33 00-0626	EA	15 Gallon Senna artemisioides - Feathery Cassia.....	75.67
32 93 33 00-0627	EA	24" Box Senna artemisioides - Feathery Cassia.....	237.70
32 93 33 00-0628	EA	1 Gallon Skimmia japonica - Japanese Skimmia	12.88
32 93 33 00-0629	EA	2 Gallon Skimmia japonica - Japanese Skimmia	25.62
32 93 33 00-0630	EA	5 Gallon Skimmia japonica - Japanese Skimmia	41.32
32 93 33 00-0631	EA	1 Gallon Sollya fusiformis - Bluebell Creeper	9.61
32 93 33 00-0632	EA	5 Gallon Sollya fusiformis - Bluebell Creeper	23.78
32 93 33 00-0633	EA	3' To 4' Spiraea - Garland Spirea.....	59.70
32 93 33 00-0634	EA	4' To 5' Spiraea - Garland Spirea.....	91.09
32 93 33 00-0635	EA	5 Gallon Spiraea - Snowmound Spirea.....	35.69
32 93 33 00-0636	EA	18" To 24" Spiraea - Snowmound Spirea	29.25
32 93 33 00-0637	EA	2' To 3' Spiraea - Snowmound Spirea	41.32
32 93 33 00-0638	EA	3' To 4' Spiraea - Snowmound Spirea	47.90
32 93 33 00-0639	EA	4' To 5' Spiraea - Snowmound Spirea	82.51
32 93 33 00-0640	EA	1 Gallon Spiraea japonica & cvs - Japanese Spirea	12.88
32 93 33 00-0641	EA	2 Gallon Spiraea japonica & cvs - Japanese Spirea	25.36
32 93 33 00-0642	EA	3 Gallon Spiraea japonica & cvs - Japanese Spirea	29.35
32 93 33 00-0643	EA	5 Gallon Spiraea japonica & cvs - Japanese Spirea	31.85
32 93 33 00-0644	EA	18" Balled and Burlapped, Spiraea japonica & cvs - Japanese Spirea	32.47
32 93 33 00-0645	EA	24" Balled and Burlapped, Spiraea japonica & cvs - Japanese Spirea	37.46
32 93 33 00-0646	EA	30" Balled and Burlapped, Spiraea japonica & cvs - Japanese Spirea	42.46
32 93 33 00-0647	EA	36" Balled and Burlapped, Spiraea japonica & cvs - Japanese Spirea	49.33
32 93 33 00-0648	EA	2 Gallon Spiraea nipponica & cvs - Nippon Spirea	19.98
32 93 33 00-0649	EA	5 Gallon Spiraea nipponica & cvs - Nippon Spirea	29.97
32 93 33 00-0650	EA	18" Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spirea	27.47
32 93 33 00-0651	EA	24" Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spirea	32.47
32 93 33 00-0652	EA	30" Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spirea	37.46
32 93 33 00-0653	EA	36" Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spirea	42.46
32 93 33 00-0654	EA	48" Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spirea	54.95
32 93 33 00-0655	EA	1 Gallon Spiraea x bumalda & cvs - Bumalda Spirea	12.88
32 93 33 00-0656	EA	2 Gallon Spiraea x bumalda & cvs - Bumalda Spirea	23.10
32 93 33 00-0657	EA	4 Gallon Spiraea x bumalda & cvs - Bumalda Spirea	29.97
32 93 33 00-0658	EA	18" Balled and Burlapped, Spiraea x bumalda & cvs - Bumalda Spirea	26.23
32 93 33 00-0659	EA	24" Balled and Burlapped, Spiraea x bumalda & cvs - Bumalda Spirea	31.85
32 93 33 00-0660	EA	30" Balled and Burlapped, Spiraea x bumalda & cvs - Bumalda Spirea	37.46
32 93 33 00-0661	EA	36" Balled and Burlapped, Spiraea x bumalda & cvs - Bumalda Spirea	42.46
32 93 33 00-0662	EA	5 Gallon Spiraea x vanhouttei & cvs - Vanhoutte Spirea	29.97
32 93 33 00-0663	EA	18" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spirea	29.97
32 93 33 00-0664	EA	24" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spirea	34.97
32 93 33 00-0665	EA	30" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spirea	47.46
32 93 33 00-0666	EA	36" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spirea	54.95
32 93 33 00-0667	EA	42" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spirea	64.94
32 93 33 00-0668	EA	5 Gallon Staphylea trifolia - Bladdernut	42.16
32 93 33 00-0669	EA	2 Gallon Stephanandra incisa & cvs - Cutleaf Stephanadra	29.97
32 93 33 00-0670	EA	5 Gallon Stephanandra incisa & cvs - Cutleaf Stephanadra	32.47
32 93 33 00-0671	EA	24" Balled and Burlapped, Stephanandra incisa & cvs - Cutleaf Stephanadra	37.46
32 93 33 00-0672	EA	30" Balled and Burlapped, Stephanandra incisa & cvs - Cutleaf Stephanadra	44.96
32 93 33 00-0673	EA	2 Gallon Symphoricarpos albus - Common Snowberry	31.22
32 93 33 00-0674	EA	5 Gallon Symphoricarpos albus - Common Snowberry	33.09
32 93 33 00-0675	EA	24" Balled and Burlapped, Syringa meyeri & cvs - Meyer Lilac	54.95
32 93 33 00-0676	EA	30" Balled and Burlapped, Syringa meyeri & cvs - Meyer Lilac	68.69
32 93 33 00-0677	EA	36" Balled and Burlapped, Syringa meyeri & cvs - Meyer Lilac	79.92
32 93 33 00-0678	EA	42" Balled and Burlapped, Syringa meyeri & cvs - Meyer Lilac	92.41
32 93 33 00-0679	EA	18" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac.....	54.95
32 93 33 00-0680	EA	24" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac.....	59.94
32 93 33 00-0681	EA	30" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac.....	68.69
32 93 33 00-0682	EA	36" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac.....	79.92
32 93 33 00-0683	EA	42" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac.....	92.41
32 93 33 00-0684	EA	60" Balled and Burlapped, Syringa villosa & cvs - Late Lilac	43.71
32 93 33 00-0685	EA	72" Balled and Burlapped, Syringa villosa & cvs - Late Lilac	47.46
32 93 33 00-0686	EA	36" Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac.....	37.46
32 93 33 00-0687	EA	42" Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac.....	42.46
32 93 33 00-0688	EA	48" Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac.....	47.46
32 93 33 00-0689	EA	60" Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac.....	54.95
32 93 33 00-0690	EA	72" Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac.....	67.44
32 93 33 00-0691	EA	5 Gallon Syringa x chinensis & cvs - Chinese Lilac	31.22
32 93 33 00-0692	EA	36" Balled and Burlapped, Syringa x hyacinthiflora & cvs - Hybrid Lilac.....	36.22
32 93 33 00-0693	EA	48" Balled and Burlapped, Syringa x hyacinthiflora & cvs - Hybrid Lilac.....	47.46
32 93 33 00-0694	EA	48" Balled and Burlapped, Taxus cuspidata capitata - Capitata Japanese Yew.....	198.56
32 93 33 00-0695	EA	54" Balled and Burlapped, Taxus cuspidata capitata - Capitata Japanese Yew.....	222.29
32 93 33 00-0696	EA	60" Balled and Burlapped, Taxus cuspidata capitata - Capitata Japanese Yew.....	244.77
32 93 33 00-0697	EA	72" Balled and Burlapped, Taxus cuspidata capitata - Capitata Japanese Yew.....	294.72
32 93 33 00-0698	EA	18" Balled and Burlapped, Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	52.45
32 93 33 00-0699	EA	24" Balled and Burlapped, Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	68.69

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 33 00-0700	EA	30" Balled and Burlapped, Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	79.92	
32 93 33 00-0701	EA	36" Balled and Burlapped, Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	87.42	
32 93 33 00-0702	EA	15" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew	52.45	
32 93 33 00-0703	EA	18" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew	68.69	
32 93 33 00-0704	EA	24" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew	81.17	
32 93 33 00-0705	EA	30" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew	96.16	
32 93 33 00-0706	EA	36" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew	144.86	
32 93 33 00-0707	EA	36" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	79.92	
32 93 33 00-0708	EA	48" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	107.40	
32 93 33 00-0709	EA	60" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	162.35	
32 93 33 00-0710	EA	72" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	237.28	
32 93 33 00-0711	EA	84" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	272.24	
32 93 33 00-0712	EA	96" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	315.95	
32 93 33 00-0713	EA	15" Balled and Burlapped, Thuja occidentalis cvs - Dwarf Arborvitae	34.97	
32 93 33 00-0714	EA	18" Balled and Burlapped, Thuja occidentalis cvs - Dwarf Arborvitae	48.70	
32 93 33 00-0715	EA	24" Balled and Burlapped, Thuja occidentalis cvs - Dwarf Arborvitae	68.69	
32 93 33 00-0716	EA	3' To 4' Viburnum dilatatum - Linden Viburnum	59.70	
32 93 33 00-0717	EA	4' To 5' Viburnum dilatatum - Linden Viburnum	91.10	
32 93 33 00-0718	EA	5' To 6' Viburnum dilatatum - Linden Viburnum	119.54	
32 93 33 00-0719	EA	1 Gallon Viburnum japonicum - Japanese Viburnum	7.24	
32 93 33 00-0720	EA	3 Gallon Viburnum japonicum - Japanese Viburnum	19.86	
32 93 33 00-0721	EA	5 Gallon Viburnum plicatum - Japanese Snowball	35.69	
32 93 33 00-0722	EA	5' To 6' Viburnum plicatum - Japanese Snowball	133.76	
32 93 33 00-0723	EA	2' To 3' Viburnum rhytidophyllum - Leatherleaf Viburnum	62.65	
32 93 33 00-0724	EA	3' To 4' Viburnum rhytidophyllum - Leatherleaf Viburnum	73.92	
32 93 33 00-0725	EA	4' To 5' Viburnum rhytidophyllum - Leatherleaf Viburnum	103.97	
32 93 33 00-0726	EA	30" Balled and Burlapped, Viburnum burkwoodii & cvs - Burkwood Viburnum	68.69	
32 93 33 00-0727	EA	36" Balled and Burlapped, Viburnum burkwoodii & cvs - Burkwood Viburnum	82.42	
32 93 33 00-0728	EA	24" Balled and Burlapped, Viburnum carlesii & cvs - Korean Spice Viburnum	62.44	
32 93 33 00-0729	EA	30" Balled and Burlapped, Viburnum carlesii & cvs - Korean Spice Viburnum	74.93	
32 93 33 00-0730	EA	36" Balled and Burlapped, Viburnum carlesii & cvs - Korean Spice Viburnum	87.42	
32 93 33 00-0731	EA	42" Balled and Burlapped, Viburnum carlesii & cvs - Korean Spice Viburnum	99.91	
32 93 33 00-0732	EA	1 Gallon Viburnum davidii - David Viburnum	9.61	
32 93 33 00-0733	EA	5 Gallon Viburnum davidii - David Viburnum	23.78	
32 93 33 00-0734	EA	36" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum	34.97	
32 93 33 00-0735	EA	42" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum	37.46	
32 93 33 00-0736	EA	48" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum	43.71	
32 93 33 00-0737	EA	60" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum	49.95	
32 93 33 00-0738	EA	72" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum	54.95	
32 93 33 00-0739	EA	30" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum	33.72	
32 93 33 00-0740	EA	36" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum	37.46	
32 93 33 00-0741	EA	42" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum	47.46	
32 93 33 00-0742	EA	48" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum	54.95	
32 93 33 00-0743	EA	60" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum	74.93	
32 93 33 00-0744	EA	72" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum	89.92	
32 93 33 00-0745	EA	36" Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	37.46	
32 93 33 00-0746	EA	48" Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	49.95	
32 93 33 00-0747	EA	5' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	62.44	
32 93 33 00-0748	EA	6' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	87.42	
32 93 33 00-0749	EA	7' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	124.88	
32 93 33 00-0750	EA	8' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	174.84	
32 93 33 00-0751	EA	9' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	224.79	
32 93 33 00-0752	EA	30" Balled and Burlapped, Viburnum plicatum tomentosum & cvs - Doublefile Viburnum	44.96	
32 93 33 00-0753	EA	36" Balled and Burlapped, Viburnum plicatum tomentosum & cvs - Doublefile Viburnum	49.95	
32 93 33 00-0754	EA	36" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	89.92	
32 93 33 00-0755	EA	48" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	137.37	
32 93 33 00-0756	EA	60" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	174.84	
32 93 33 00-0757	EA	72" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	212.30	
32 93 33 00-0758	EA	84" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	262.25	
32 93 33 00-0759	EA	96" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	312.21	
32 93 33 00-0760	EA	108" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	374.65	
32 93 33 00-0761	EA	120" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	437.09	
32 93 33 00-0762	EA	30" Balled and Burlapped, Viburnum sargentii & cvs - Sargent Viburnum	38.09	
32 93 33 00-0763	EA	36" Balled and Burlapped, Viburnum sargentii & cvs - Sargent Viburnum	41.84	
32 93 33 00-0764	EA	48" Balled and Burlapped, Viburnum sargentii & cvs - Sargent Viburnum	47.46	
32 93 33 00-0765	EA	60" Balled and Burlapped, Viburnum sargentii & cvs - Sargent Viburnum	54.95	
32 93 33 00-0766	EA	72" Balled and Burlapped, Viburnum sargentii & cvs - Sargent Viburnum	63.07	
32 93 33 00-0767	EA	18" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum	36.22	
32 93 33 00-0768	EA	24" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum	43.71	
32 93 33 00-0769	EA	30" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum	52.45	
32 93 33 00-0770	EA	36" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum	59.94	
32 93 33 00-0771	EA	42" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum	72.43	
32 93 33 00-0772	EA	48" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum	79.92	
32 93 33 00-0773	EA	30" Balled and Burlapped, Viburnum x carlcephalum & cvs - Fragrant Viburnum	62.44	
32 93 33 00-0774	EA	36" Balled and Burlapped, Viburnum x carlcephalum & cvs - Fragrant Viburnum	74.93	
32 93 33 00-0775	EA	42" Balled and Burlapped, Viburnum x carlcephalum & cvs - Fragrant Viburnum	87.42	
32 93 33 00-0776	EA	48" Balled and Burlapped, Viburnum x carlcephalum & cvs - Fragrant Viburnum	99.91	
32 93 33 00-0777	EA	60" Balled and Burlapped, Viburnum x carlcephalum & cvs - Fragrant Viburnum	112.39	
32 93 33 00-0778	EA	30" Balled and Burlapped, Viburnum x juddii & cvs - Judd Viburnum	79.92	
32 93 33 00-0779	EA	36" Balled and Burlapped, Viburnum x juddii & cvs - Judd Viburnum	89.92	
32 93 33 00-0780	EA	42" Balled and Burlapped, Viburnum x juddii & cvs - Judd Viburnum	102.40	
32 93 33 00-0781	EA	48" Balled and Burlapped, Viburnum x juddii & cvs - Judd Viburnum	117.39	
32 93 33 00-0782	EA	2' To 3' Viburnum opulus "Roseum" - Fragrant Snowball	73.92	
32 93 33 00-0783	EA	3' To 4' Viburnum opulus "Roseum" - Fragrant Snowball	91.09	
32 93 33 00-0784	EA	4' To 5' Viburnum opulus "Roseum" - Fragrant Snowball	133.76	

MINOR			TOTAL DIRECT		DEMOLITION
CSI UOM DESCRIPTION			UNIT COST		UNIT COST
32 93 33 00-0785	EA	5 Gallon Weigela florida & cvs - Old Fashioned Weigela.....		41.21	
32 93 33 00-0786	EA	24" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela.....		37.46	
32 93 33 00-0787	EA	30" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela.....		42.46	
32 93 33 00-0788	EA	36" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela.....		47.46	
32 93 33 00-0789	EA	42" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela.....		54.95	
32 93 33 00-0790	EA	48" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela.....		62.44	
32 93 33 00-0791	EA	1 Gallon Xylosma congestum - Shiny Xylosma		8.59	
32 93 33 00-0792	EA	5 Gallon Xylosma congestum - Shiny Xylosma		24.28	
32 93 33 00-0793	EA	15 Gallon Xylosma congestum - Shiny Xylosma		106.79	
32 93 33 00-0794	EA	1 Gallon Yucca aloifolia - Spanish Bayonet.....		7.24	
32 93 33 00-0795	EA	3 Gallon Yucca aloifolia - Spanish Bayonet.....		19.18	
32 93 33 00-0796	EA	1 Gallon Yucca filamentosa - Adams Needle		10.06	
32 93 33 00-0797	EA	3 Gallon Yucca filamentosa - Adams Needle		19.59	
32 93 33 00-0798	EA	5 Gallon Yucca filamentosa - Adams Needle		30.99	
32 93 33 00-0799	EA	5 Gallon Border Forsythia - Goldenbells.....		34.48	
32 93 33 00-0800	EA	2' To 3' Border Forsythia - Goldenbells.....		28.44	
32 93 33 00-0801	EA	3' To 4' Border Forsythia - Goldenbells.....		35.95	
32 93 33 00-0802	EA	4' To 5' Border Forsythia - Goldenbells.....		44.81	
32 93 33 00-0803	EA	5' To 6' Border Forsythia - Goldenbells.....		53.80	
32 93 33 00-0804	EA	6' To 8' Border Forsythia - Goldenbells.....		73.92	
32 93 33 00-0805	EA	3' Juniperus chinensis - Columnar Chinese Juniper.....		73.24	
32 93 33 00-0806	EA	4' Juniperus chinensis - Columnar Chinese Juniper.....		100.53	
32 93 33 00-0807	EA	5' Juniperus chinensis - Columnar Chinese Juniper.....		157.98	
32 93 33 00-0808	EA	6' Juniperus chinensis - Columnar Chinese Juniper.....		183.83	
32 93 33 00-0809	EA	7' Juniperus chinensis - Columnar Chinese Juniper.....		241.27	
32 93 33 00-0810	EA	2 Gallon Chrysobalanus icaco - Cocoplum Red Tip		14.36	
32 93 33 00-0811	EA	3 Gallon Chrysobalanus icaco - Cocoplum Red Tip		20.11	
32 93 33 00-0812	EA	5 Gallon Chrysobalanus icaco - Cocoplum Red Tip		48.69	
32 93 33 00-0813	EA	2 Gallon Chrysobalanus icaco - Cocoplum Green Tip		14.36	
32 93 33 00-0814	EA	3 Gallon Chrysobalanus icaco - Cocoplum Green Tip		20.11	
32 93 33 00-0815	EA	Beile Poitvine Roses.....		57.45	
32 93 33 00-0816	EA	3 Gallon Bird Of Paradise		25.85	
32 93 33 00-0817	EA	5 Gallon Bird Of Paradise		40.21	
32 93 33 00-0818	EA	7 Gallon Bird Of Paradise		54.57	
32 93 33 00-0819	EA	10 Gallon Bird Of Paradise		109.15	
32 93 33 00-0820	EA	18" Bonica Roses		66.06	
32 93 33 00-0821	EA	1 Gallon Burmese Grape		11.49	
32 93 33 00-0822	EA	5 Gallon Burmese Grape		31.60	
32 93 33 00-0823	EA	15 Gallon Burmese Grape		117.76	
32 93 33 00-0824	EA	6" To 9" Canby Paxistima		22.98	
32 93 33 00-0825	EA	9" To 12" Canby Paxistima		28.72	
32 93 33 00-0826	EA	12" To 15" Canby Paxistima		37.34	
32 93 33 00-0827	EA	5 Gallon Chastetree.....		40.21	
32 93 33 00-0828	EA	3' Chinese Lilac		57.45	
32 93 33 00-0829	EA	4' Chinese Lilac		71.81	
32 93 33 00-0830	EA	5' Chinese Lilac		97.66	
32 93 33 00-0831	EA	1 Gallon Christmas Berry.....		14.36	
32 93 33 00-0832	EA	2 Gallon Christmas Berry.....		31.60	
32 93 33 00-0833	EA	5 Gallon Christmas Berry.....		45.96	
32 93 33 00-0834	EA	15 Gallon Christmas Berry.....		212.55	
32 93 33 00-0835	EA	1 Gallon Concha Wild Lilac.....		11.49	
32 93 33 00-0836	EA	5 Gallon Concha Wild Lilac.....		28.72	
32 93 33 00-0837	EA	1 Gallon Flower Carpet Roses.....		28.72	
32 93 33 00-0838	EA	3 Gallon Flower Carpet Roses.....		54.57	
32 93 33 00-0839	EA	Goldfinger Potentillas.....		45.96	
32 93 33 00-0840	EA	Green Mound Alpine Currents		57.45	
32 93 33 00-0841	EA	24" Gro-Low Sumacs.....		57.45	
32 93 33 00-0842	EA	3 Gallon Heliconia.....		25.85	
32 93 33 00-0843	EA	1' Ibolium Private		2.87	
32 93 33 00-0844	EA	2' Ibolium Private		11.49	
32 93 33 00-0845	EA	3' Ibolium Private		20.11	
32 93 33 00-0846	EA	5 Gallon Japanese Privit.....		31.60	
32 93 33 00-0847	EA	24" Spirea - Little Princess.....		60.32	
32 93 33 00-0848	EA	2' Longstalk Holly.....		57.45	
32 93 33 00-0849	EA	2-1/2' Longstalk Holly.....		77.55	
32 93 33 00-0850	EA	3' Longstalk Holly.....		97.66	
32 93 33 00-0851	EA	3-1/2' Longstalk Holly.....		109.15	
32 93 33 00-0852	EA	3 Gallon Low Dense Pyracantha		28.72	
32 93 33 00-0853	EA	1 Gallon Pacific Wax Myrtle.....		8.62	
32 93 33 00-0854	EA	5 Gallon Pacific Wax Myrtle.....		28.72	
32 93 33 00-0855	EA	1 Gallon Red Escallonia		8.62	
32 93 33 00-0856	EA	5 Gallon Red Escallonia		28.72	
32 93 33 00-0857	EA	15 Gallon Red Escallonia		117.76	
32 93 33 00-0858	EA	24" Smooth Hydrangeas.....		68.94	
32 93 33 00-0859	EA	15" To 18" Somerset Burkwood Daphne		45.96	
32 93 33 00-0860	EA	18" To 24" Somerset Burkwood Daphne		60.32	
32 93 33 00-0861	EA	1 Gallon Spring Bouquet Laurustinis		8.62	
32 93 33 00-0862	EA	5 Gallon Spring Bouquet Laurustinis		31.60	
32 93 33 00-0863	EA	15" To 18" Summersweet.....		34.47	
32 93 33 00-0864	EA	18" To 24" Summersweet.....		40.21	
32 93 33 00-0865	EA	2' Sweet Shrubs.....		45.96	
32 93 33 00-0866	EA	3' Sweet Shrubs.....		60.32	
32 93 33 00-0867	EA	1 Gallon Variegated Silverberry.....		8.62	
32 93 33 00-0868	EA	3 Gallon Variegated Silverberry.....		20.11	
32 93 33 00-0869	EA	15 Gallon Variegated Silverberry		117.76	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 33 00-0870	EA	1 Gallon Variegated Winter Daphne	14.36
32 93 33 00-0871	EA	5 Gallon Variegated Winter Daphne	45.96
32 93 33 00-0872	EA	15 Gallon Variegated Winter Daphne	212.55
32 93 33 00-0873	EA	2' To 3' Virginia Sweetspire	100.53
32 93 33 00-0874	EA	1 Gallon Warminster Broom	14.36
32 93 33 00-0875	EA	2 Gallon Warminster Broom	28.72
32 93 33 00-0876	EA	5 Gallon Warminster Broom	40.21

32 93 43 Trees ^(32 93)

Note: (cvs = cultivar or cultivated varieties) materials only. See CSI section 32 93 83 00-0001 for installation and planting of trees.

32 93 43 00-0001**Deciduous Ornamental Trees ^(32 93 43)**

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0002	EA	6' Clump Form Acer ginnala & cvs - Amur Maple	274.12
32 93 43 00-0003	EA	7' Clump Form Acer ginnala & cvs - Amur Maple	335.03
32 93 43 00-0004	EA	8' Clump Form Acer ginnala & cvs - Amur Maple	380.72
32 93 43 00-0005	EA	10' Clump Form Acer ginnala & cvs - Amur Maple	441.63
32 93 43 00-0006	EA	12' Clump Form Acer ginnala & cvs - Amur Maple	502.55
32 93 43 00-0007	EA	14' Clump Form Acer ginnala & cvs - Amur Maple	593.92
32 93 43 00-0008	EA	1-1/2" To 2" Caliper Acer griseum - Paperbark Maple	272.76
32 93 43 00-0009	EA	2" To 2-1/2" Caliper Acer griseum - Paperbark Maple	974.64
32 93 43 00-0010	EA	2-1/2" To 3" Caliper Acer griseum - Paperbark Maple	1,218.30
32 93 43 00-0011	EA	5' Clump Form Acer griseum - Paperbark Maple	243.66
32 93 43 00-0012	EA	1-1/2" Caliper Aesculus californica - California Buckeye	609.15
32 93 43 00-0013	EA	2" Caliper Aesculus californica - California Buckeye	791.89
32 93 43 00-0014	EA	2-1/2" Caliper Aesculus californica - California Buckeye	913.72
32 93 43 00-0015	EA	3" Caliper Aesculus californica - California Buckeye	1,035.55
32 93 43 00-0016	EA	3-1/2" Caliper Aesculus californica - California Buckeye	1,218.30
32 93 43 00-0017	EA	36" Balled and Burlapped, Amelanchier alnifolia & cvs - Saskatoon Serviceberry	99.91
32 93 43 00-0018	EA	48" Balled and Burlapped, Amelanchier alnifolia & cvs - Saskatoon Serviceberry	124.88
32 93 43 00-0019	EA	60" Balled and Burlapped, Amelanchier alnifolia & cvs - Saskatoon Serviceberry	154.85
32 93 43 00-0020	EA	60" Balled and Burlapped, Amelanchier arborea & cvs - Downy Serviceberry	124.88
32 93 43 00-0021	EA	72" Balled and Burlapped, Amelanchier arborea & cvs - Downy Serviceberry	149.86
32 93 43 00-0022	EA	7' Balled and Burlapped, Amelanchier arborea & cvs - Downy Serviceberry	174.84
32 93 43 00-0023	EA	8' Balled and Burlapped, Amelanchier arborea & cvs - Downy Serviceberry	199.81
32 93 43 00-0024	EA	5' Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry	224.79
32 93 43 00-0025	EA	6' Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry	249.77
32 93 43 00-0026	EA	7' Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry	287.23
32 93 43 00-0027	EA	8' Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry	324.69
32 93 43 00-0028	EA	9' Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry	374.65
32 93 43 00-0029	EA	7' Balled and Burlapped, Amelanchier laevis & cvs - Allegheny Serviceberry	287.23
32 93 43 00-0030	EA	8' Balled and Burlapped, Amelanchier laevis & cvs - Allegheny Serviceberry	337.18
32 93 43 00-0031	EA	9' Balled and Burlapped, Amelanchier laevis & cvs - Allegheny Serviceberry	387.14
32 93 43 00-0032	EA	10' Balled and Burlapped, Amelanchier laevis & cvs - Allegheny Serviceberry	424.60
32 93 43 00-0033	EA	30" Balled and Burlapped, Amelanchier stolonifera & cvs - Running Serviceberry	99.91
32 93 43 00-0034	EA	48" Balled and Burlapped, Amelanchier stolonifera & cvs - Running Serviceberry	212.30
32 93 43 00-0035	EA	60" Balled and Burlapped, Amelanchier stolonifera & cvs - Running Serviceberry	274.74
32 93 43 00-0036	EA	2' To 4' Amelemchier - Juneberry	30.41
32 93 43 00-0037	EA	4' To 5' Amelemchier - Juneberry	31.90
32 93 43 00-0038	EA	5' To 6' Amelemchier - Juneberry	37.98
32 93 43 00-0039	EA	6' To 8' Amelemchier - Juneberry	45.32
32 93 43 00-0040	EA	6' Cercis occidentalis - Western Redbud	170.58
32 93 43 00-0041	EA	8' Cercis occidentalis - Western Redbud	234.67
32 93 43 00-0042	EA	2-1/2" Caliper Cercis occidentalis - Western Redbud	483.36
32 93 43 00-0043	EA	3" Caliper Cercis occidentalis - Western Redbud	588.44
32 93 43 00-0044	EA	2' To 3' Magnolia virginiana - Sweetbay Magnolia	57.72
32 93 43 00-0045	EA	3' To 4' Magnolia virginiana - Sweetbay Magnolia	86.58
32 93 43 00-0046	EA	4' To 5' Magnolia virginiana - Sweetbay Magnolia	108.23
32 93 43 00-0047	EA	5' To 6' Magnolia virginiana - Sweetbay Magnolia	134.80
32 93 43 00-0048	EA	4' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	228.43
32 93 43 00-0049	EA	5' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	304.57
32 93 43 00-0050	EA	6' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	395.95
32 93 43 00-0051	EA	7' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	441.63
32 93 43 00-0052	EA	8' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	533.00
32 93 43 00-0053	EA	9' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	593.92
32 93 43 00-0054	EA	4' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	228.43
32 93 43 00-0055	EA	5' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	304.57
32 93 43 00-0056	EA	6' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	395.95
32 93 43 00-0057	EA	7' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	441.63
32 93 43 00-0058	EA	8' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	533.00
32 93 43 00-0059	EA	9' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	593.92
32 93 43 00-0060	EA	1 Gallon Platanus racemosa, Multi Trunk - Western Sycamore	6.52
32 93 43 00-0061	EA	5 Gallon Platanus racemosa, Multi Trunk - Western Sycamore	27.59
32 93 43 00-0062	EA	20 Gallon Prunus subhirtella - Flowering Cherry	376.75
32 93 43 00-0063	EA	1-1/2" To 2" Caliper Prunus subhirtella - Flowering Cherry	389.45
32 93 43 00-0064	EA	2" To 2-1/2" Caliper Prunus subhirtella - Flowering Cherry	486.76
32 93 43 00-0065	EA	3-1/2" To 4" Caliper Prunus subhirtella - Flowering Cherry	1,015.82
32 93 43 00-0066	EA	3" To 3-1/2" Caliper Prunus subhirtella - Flowering Cherry	782.92
32 93 43 00-0067	EA	4" To 5" Caliper Prunus subhirtella - Flowering Cherry	1,523.74
32 93 43 00-0068	EA	5 Gallon Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	97.31
32 93 43 00-0069	EA	15 Gallon Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	266.55
32 93 43 00-0070	EA	20 Gallon Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	347.14
32 93 43 00-0071	EA	5' To 6' Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	110.00

MINOR		TOTAL DIRECT		DEMOLITION
CSI UOM DESCRIPTION		UNIT COST		UNIT COST
32 93 43 00-0072	EA 6' To 8' Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum.....		211.55	
32 93 43 00-0073	EA 1-1/2" To 2" Caliper Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum		389.45	
32 93 43 00-0074	EA 2" To 2-1/2" Caliper Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum		465.60	
32 93 43 00-0075	EA 1-1/2" To 1-3/4" Caliper Prunus subhirtella - Weeping Cherry.....		304.83	
32 93 43 00-0076	EA 1-1/4" To 1-1/2" Caliper Prunus subhirtella - Weeping Cherry.....		253.86	
32 93 43 00-0077	EA 1-3/4" To 2" Caliper Prunus subhirtella - Weeping Cherry.....		372.32	
32 93 43 00-0078	EA 2" To 2-1/2" Caliper Prunus subhirtella - Weeping Cherry.....		444.45	
32 93 43 00-0079	EA 2-1/2" To 3" Caliper Prunus subhirtella - Weeping Cherry.....		571.38	
32 93 43 00-0080	EA 15 Gallon Pyrus Calleryana x 'Aristocrat' - Flowering Pear.....		294.15	
32 93 43 00-0081	EA 20 Gallon Pyrus Calleryana x 'Aristocrat' - Flowering Pear.....		367.69	
32 93 43 00-0082	EA 1-1/2" To 2" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear.....		382.39	
32 93 43 00-0083	EA 2" To 2-1/2" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear.....		455.93	
32 93 43 00-0084	EA 2-1/2" To 3" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear.....		617.71	
32 93 43 00-0085	EA 3" To 3-1/2" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear.....		808.91	
32 93 43 00-0086	EA 3-1/2" To 4" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear.....		1,029.52	
32 93 43 00-0087	EA 15 Gallon Pyrus Calleryana x "Bradford" - Flowering Pear		294.15	
32 93 43 00-0088	EA 20 Gallon Pyrus Calleryana x "Bradford" - Flowering Pear		367.69	
32 93 43 00-0089	EA 1-1/2" To 2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear		250.03	
32 93 43 00-0090	EA 2" To 2-1/2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear		382.39	
32 93 43 00-0091	EA 2-1/2" To 3" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear		455.53	
32 93 43 00-0092	EA 3" To 3-1/2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear		617.71	
32 93 43 00-0093	EA 3-1/2" To 4" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear		808.91	
32 93 43 00-0094	EA 1-1/2" Caliper Pyrus calleryana & cvs - Callery Pear.....		535.81	
32 93 43 00-0095	EA 2" Caliper Pyrus calleryana & cvs - Callery Pear.....		669.76	
32 93 43 00-0096	EA 2-1/2" Caliper Pyrus calleryana & cvs - Callery Pear.....		830.50	
32 93 43 00-0097	EA 3" Caliper Pyrus calleryana & cvs - Callery Pear.....		937.67	
32 93 43 00-0098	EA 3-1/2" Caliper Pyrus calleryana & cvs - Callery Pear.....		1,044.83	
32 93 43 00-0099	EA 4" Caliper Pyrus calleryana & cvs - Callery Pear.....		1,339.52	
32 93 43 00-0100	EA 1 Gallon Ribes aureum - Golden Currant		5.70	
32 93 43 00-0101	EA 5 Gallon Ribes aureum - Golden Currant		16.30	
32 93 43 00-0102	EA 1 Gallon Ribes sanguineum - Red Flowering Currant.....		5.70	
32 93 43 00-0103	EA 5 Gallon Ribes sanguineum - Red Flowering Currant.....		16.30	
32 93 43 00-0104	EA 1 Gallon Ribes viburnifolium - Evergreen Currant.....		5.70	
32 93 43 00-0105	EA 5 Gallon Ribes viburnifolium - Evergreen Currant.....		16.30	
32 93 43 00-0106	EA 8' Cassia leptophylla - Gold Medallion Tree		402.96	
32 93 43 00-0107	EA 10' Cassia leptophylla - Gold Medallion Tree		511.45	
32 93 43 00-0108	EA 12' Cassia leptophylla - Gold Medallion Tree		619.94	
32 93 43 00-0109	EA 6' Magnolia grandiflora 'St. Mary's'		464.96	
32 93 43 00-0110	EA 8' Magnolia grandiflora 'St. Mary's'		821.42	
32 93 43 00-0111	EA 10' Magnolia grandiflora 'St. Mary's'		1,032.20	
32 93 43 00-0112	EA 12' Magnolia grandiflora 'St. Mary's'		1,239.88	
32 93 43 00-0113	EA 14' Magnolia grandiflora 'St. Mary's'		1,441.36	
32 93 43 00-0114	EA 16' Magnolia grandiflora 'St. Mary's'		1,704.84	
32 93 43 00-0115	EA 24" Box Magnolia grandiflora 'St. Mary's'.....		511.45	
32 93 43 00-0116	EA 6' Prunus cerasifera - Purple Leaf Plum		241.78	
32 93 43 00-0117	EA 8' Prunus cerasifera - Purple Leaf Plum		278.97	
32 93 43 00-0118	EA 10' Prunus cerasifera - Purple Leaf Plum		359.57	
32 93 43 00-0119	EA 24" Box Prunus cerasifera - Purple Leaf Plum.....		382.81	
32 93 43 00-0120	EA 30" Box Prunus cerasifera - Purple Leaf Plum.....		774.92	
32 93 43 00-0121	EA 36" Box Prunus cerasifera - Purple Leaf Plum.....		1,188.74	
32 93 43 00-0122	EA 6' Pittosporum phylliraeoides - Willow Pittosporum		505.25	
32 93 43 00-0123	EA 8' Pittosporum phylliraeoides - Willow Pittosporum		722.23	
32 93 43 00-0124	EA 10' Pittosporum phylliraeoides - Willow Pittosporum		864.82	
32 93 43 00-0125	EA 12' Pittosporum phylliraeoides - Willow Pittosporum		1,115.89	
32 93 43 00-0126	EA 6' Stenocarpus sinuatus - Firewheel Tree.....		743.93	
32 93 43 00-0127	EA 8' Stenocarpus sinuatus - Firewheel Tree.....		991.90	
32 93 43 00-0128	EA 10" Stenocarpus sinuatus - Firewheel Tree.....		1,239.88	
32 93 43 00-0129	EA 12" Stenocarpus sinuatus - Firewheel Tree.....		1,487.86	
32 93 43 00-0130	EA 24" Box Handroanthus impetiginosus (Tabebuia avellanedae) - Pink Trumpet Tree.....		378.99	
32 93 43 00-0131	EA 36" Box Handroanthus impetiginosus (Tabebuia avellanedae) - Pink Trumpet Tree.....		1,097.08	
32 93 43 00-0132	EA 1-1/2" Caliper Arbutus menziesii - Madrona		539.08	
32 93 43 00-0133	EA 2" Caliper Arbutus menziesii - Madrona		700.80	
32 93 43 00-0134	EA 2-1/2" Caliper Arbutus menziesii - Madrona		808.62	
32 93 43 00-0135	EA 3" Caliper Arbutus menziesii - Madrona		916.43	
32 93 43 00-0136	EA 3-1/2" Caliper Arbutus menziesii - Madrona		1,078.16	
32 93 43 00-0137	EA 1-1/2" Caliper Koelreuteria bipinnata - Chinese Flame Tree.....		371.96	
32 93 43 00-0138	EA 2" Caliper Koelreuteria bipinnata - Chinese Flame Tree.....		604.44	
32 93 43 00-0139	EA 2-1/2" Caliper Koelreuteria bipinnata - Chinese Flame Tree.....		743.93	
32 93 43 00-0140	EA 3" Caliper Koelreuteria bipinnata - Chinese Flame Tree.....		821.42	
32 93 43 00-0141	EA 24" Box Koelreuteria bipinnata - Chinese Flame Tree		362.66	
32 93 43 00-0142	EA 30" Box Koelreuteria bipinnata - Chinese Flame Tree		836.92	
32 93 43 00-0143	EA 36" Box Koelreuteria bipinnata - Chinese Flame Tree		1,309.62	
32 93 43 00-0144	EA 1-1/2" Cliber Koelreuteria paniculata - Golden Rain Tree.....		337.87	
32 93 43 00-0145	EA 2" Cliber Koelreuteria paniculata - Golden Rain Tree		548.65	
32 93 43 00-0146	EA 2-1/2" Cliber Koelreuteria paniculata - Golden Rain Tree		672.63	
32 93 43 00-0147	EA 3" Cliber Koelreuteria paniculata - Golden Rain Tree		759.43	
32 93 43 00-0148	EA 6' Magnolia grandiflora - Southern Magnolia		229.38	
32 93 43 00-0149	EA 7' Magnolia grandiflora - Southern Magnolia		347.17	
32 93 43 00-0150	EA 8' Magnolia grandiflora - Southern Magnolia		486.65	
32 93 43 00-0151	EA 9' Magnolia grandiflora - Southern Magnolia		647.84	
32 93 43 00-0152	EA 10' Magnolia grandiflora - Southern Magnolia		985.70	
32 93 43 00-0153	EA 24" Box Magnolia grandiflora - Southern Magnolia.....		402.96	
32 93 43 00-0154	EA 1-1/2" Caliper Tipuana tipu - Tipu Tree.....		480.45	
32 93 43 00-0155	EA 2" Caliper Tipuana tipu - Tipu Tree.....		626.14	
32 93 43 00-0156	EA 2-1/2" Caliper Tipuana tipu - Tipu Tree.....		793.52	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 43 00-0157	EA	3" Caliper Tipuana tipu - Tipu Tree	914.41
32 93 43 00-0158	EA	3-1/2" Caliper Tipuana tipu - Tipu Tree	1,345.27
32 93 43 00-0159	EA	4" Caliper Tipuana tipu - Tipu Tree	1,797.83
32 93 43 00-0160	EA	24" Box Tipuana tipu - Tipu Tree	362.66
32 93 43 00-0161	EA	6' Albizia julibrissin - Silk Tree	743.93
32 93 43 00-0162	EA	8' Albizia julibrissin - Silk Tree	991.90
32 93 43 00-0163	EA	10' Albizia julibrissin - Silk Tree	1,239.88
32 93 43 00-0164	EA	12' Albizia julibrissin - Silk Tree	1,487.86
32 93 43 00-0165	EA	6' Brachychiton acerifolius - Flame Tree	743.93
32 93 43 00-0166	EA	8' Brachychiton acerifolius - Flame Tree	991.90
32 93 43 00-0167	EA	10' Brachychiton acerifolius - Flame Tree	1,239.88
32 93 43 00-0168	EA	12' Brachychiton acerifolius - Flame Tree	1,487.86
32 93 43 00-0169	EA	1-1/2" Caliper Chilopsis linearis - Desert Willow	601.34
32 93 43 00-0170	EA	2" Caliper Chilopsis linearis - Desert Willow	722.23
32 93 43 00-0171	EA	2-1/2" Caliper Chilopsis linearis - Desert Willow	768.73
32 93 43 00-0172	EA	3" Caliper Chilopsis linearis - Desert Willow	852.42
32 93 43 00-0173	EA	5 Gallon Chionanthus retusus - Chinese Fringe Tree	31.00
32 93 43 00-0174	EA	15 Gallon Chionanthus retusus - Chinese Fringe Tree	123.99
32 93 43 00-0175	EA	24" Box Chionanthus retusus - Chinese Fringe Tree	619.94
32 93 43 00-0176	EA	5 Gallon Calodendrum capense - Cape Chestnut	46.50
32 93 43 00-0177	EA	15 Gallon Calodendrum capense - Cape Chestnut	185.98
32 93 43 00-0178	EA	24" Box Calodendrum capense - Cape Chestnut	697.43
32 93 43 00-0179	EA	6' Chionanthus virginicus - White Fringe Tree	371.96
32 93 43 00-0180	EA	8' Chionanthus virginicus - White Fringe Tree	490.36
32 93 43 00-0181	EA	10' Chionanthus virginicus - White Fringe Tree	683.01
32 93 43 00-0182	EA	15 Gallon Geijera parvifolia - Australian Willow	210.16
32 93 43 00-0183	EA	24" Box Geijera parvifolia - Australian Willow	432.57
32 93 43 00-0184	EA	30" Box Geijera parvifolia - Australian Willow	805.60
32 93 43 00-0185	EA	36" Box Geijera parvifolia - Australian Willow	1,155.86
32 93 43 00-0186	EA	1-1/2" Caliper Ginkgo Biloba - Maidenhair Tree	623.46
32 93 43 00-0187	EA	2" Caliper Ginkgo Biloba - Maidenhair Tree	868.64
32 93 43 00-0188	EA	2-1/2" Caliper Ginkgo Biloba - Maidenhair Tree	1,047.28
32 93 43 00-0189	EA	3" Caliper Ginkgo Biloba - Maidenhair Tree	1,222.41
32 93 43 00-0190	EA	3-1/2" Caliper Ginkgo Biloba - Maidenhair Tree	1,600.69
32 93 43 00-0191	EA	4" Caliper Ginkgo Biloba - Maidenhair Tree	1,709.27
32 93 43 00-0192	EA	4-1/2" Caliper Ginkgo Biloba - Maidenhair Tree	1,821.35
32 93 43 00-0193	EA	24" Box Ginkgo Biloba - Maidenhair Tree	569.17
32 93 43 00-0194	EA	15 Gallon Sapium sebiferum - Chinese Tallow Tree	210.16
32 93 43 00-0195	EA	24" Box Sapium sebiferum - Chinese Tallow Tree	770.57
32 93 43 00-0196	EA	4' To 5' Lagerstroemia indica - Crape Myrtle	224.17
32 93 43 00-0197	EA	6' Lagerstroemia indica - Crape Myrtle	416.81
32 93 43 00-0198	EA	8' Lagerstroemia indica - Crape Myrtle	430.82
32 93 43 00-0199	EA	10' Lagerstroemia indica - Crape Myrtle	521.89
32 93 43 00-0200	EA	24" Box Lagerstroemia indica - Crape Myrtle	409.80
32 93 43 00-0201	EA	5 Gallon Celtis Sinensis - Chinese Hackberry	45.48
32 93 43 00-0202	EA	15 Gallon Celtis Sinensis - Chinese Hackberry	119.92
32 93 43 00-0203	EA	24" Box Celtis Sinensis - Chinese Hackberry	392.82
32 93 43 00-0204	EA	36" Box Celtis Sinensis - Chinese Hackberry	1,147.46
32 93 43 00-0205	EA	5 Gallon Crataegus phaenopyrum - Washington Hawthorn	45.48
32 93 43 00-0206	EA	15 Gallon Crataegus phaenopyrum - Washington Hawthorn	119.92
32 93 43 00-0207	EA	24" Box Crataegus phaenopyrum - Washington Hawthorn	392.82
32 93 43 00-0208	EA	36" Box Crataegus phaenopyrum - Washington Hawthorn	1,147.46
32 93 43 00-0209	EA	1 Gallon Eucalyptus ficifolia - Red-Flowering Gum	13.44
32 93 43 00-0210	EA	5 Gallon Eucalyptus ficifolia - Red-Flowering Gum	37.22
32 93 43 00-0211	EA	15 Gallon Eucalyptus ficifolia - Red-Flowering Gum	163.33
32 93 43 00-0212	EA	24" Box Eucalyptus ficifolia - Red-Flowering Gum	392.82
32 93 43 00-0213	EA	36" Box Eucalyptus ficifolia - Red-Flowering Gum	1,033.75
32 93 43 00-0214	EA	15 Gallon Fraxinus velutina 'Raywood' - Fan-Tex Ash	101.31
32 93 43 00-0215	EA	24" Box Fraxinus velutina 'Raywood' - Fan-Tex Ash	330.80
32 93 43 00-0216	EA	36" Box Fraxinus velutina 'Raywood' - Fan-Tex Ash	878.69
32 93 43 00-0217	EA	48" Box Fraxinus velutina 'Raywood' - Fan-Tex Ash	1,964.12
32 93 43 00-0218	EA	5 Gallon Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust	28.94
32 93 43 00-0219	EA	15 Gallon Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust	101.31
32 93 43 00-0220	EA	24" Box Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust	330.80
32 93 43 00-0221	EA	36" Box Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust	878.69
32 93 43 00-0222	EA	48" Box Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust	1,964.12
32 93 43 00-0223	EA	5 Gallon Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum	28.94
32 93 43 00-0224	EA	15 Gallon Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum	121.98
32 93 43 00-0225	EA	24" Box Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum	330.80
32 93 43 00-0226	EA	36" Box Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum	930.38
32 93 43 00-0227	EA	48" Box Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum	2,377.62
32 93 43 00-0228	EA	5 Gallon Liquidambar styraciflua 'Festival' - Festival Sweetgum	28.94
32 93 43 00-0229	EA	15 Gallon Liquidambar styraciflua 'Festival' - Festival Sweetgum	121.98
32 93 43 00-0230	EA	24" Box Liquidambar styraciflua 'Festival' - Festival Sweetgum	330.80
32 93 43 00-0231	EA	36" Box Liquidambar styraciflua 'Festival' - Festival Sweetgum	930.38
32 93 43 00-0232	EA	48" Box Liquidambar styraciflua 'Festival' - Festival Sweetgum	2,377.62
32 93 43 00-0233	EA	5 Gallon Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum	28.94
32 93 43 00-0234	EA	15 Gallon Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum	121.98
32 93 43 00-0235	EA	24" Box Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum	330.80
32 93 43 00-0236	EA	36" Box Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum	930.38
32 93 43 00-0237	EA	48" Box Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum	2,377.62
32 93 43 00-0238	EA	1 Gallon Pittosporum undulatum - Victorian Box	12.97
32 93 43 00-0239	EA	5 Gallon Pittosporum undulatum - Victorian Box	27.93
32 93 43 00-0240	EA	15 Gallon Pittosporum undulatum - Victorian Box	157.58
32 93 43 00-0241	EA	24" Box Pittosporum undulatum - Victorian Box	378.99

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST

32 93 43 00-0242	EA	36" Box Pittosporum undulatum - Victorian Box	1,097.08
32 93 43 00-0243	EA	48" Box Pittosporum undulatum - Victorian Box	2,493.38
32 93 43 00-0244	EA	15 Gallon Prunus cerasifera 'Thundercloud' - Thundercloud Purple Leaf Plum	103.27
32 93 43 00-0245	EA	24" Box Prunus cerasifera 'Thundercloud' - Thundercloud Purple Leaf Plum	372.05

32 93 43 00-0246

Deciduous Shade Trees (32 93 43)

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0247	EA	3-1/2" To 4" Caliper Acer palmatum - Bloodgood Japanese Maple	233.37
32 93 43 00-0248	EA	4" To 4-1/2" Caliper Acer palmatum - Bloodgood Japanese Maple	286.07
32 93 43 00-0249	EA	4-1/2" To 5" Caliper Acer palmatum - Bloodgood Japanese Maple	372.65
32 93 43 00-0250	EA	5" To 6" Caliper Acer palmatum - Bloodgood Japanese Maple	483.06
32 93 43 00-0251	EA	2' To 2-1/2' Acer palmatum - Japanese Maple	24.62
32 93 43 00-0252	EA	4' To 5' Acer palmatum - Japanese Maple	51.69
32 93 43 00-0253	EA	5' To 6' Acer palmatum - Japanese Maple	67.69
32 93 43 00-0254	EA	6' To 7' Acer palmatum - Japanese Maple	123.07
32 93 43 00-0255	EA	7' To 8' Acer palmatum - Japanese Maple	172.30
32 93 43 00-0256	EA	8' To 10' Acer palmatum - Japanese Maple	221.53
32 93 43 00-0257	EA	10' To 12' Acer palmatum - Japanese Maple	295.38
32 93 43 00-0258	EA	2" Caliper Acer platanoides & cvs - Norway Maple	125.47
32 93 43 00-0259	EA	2" Caliper Acer platanoides & cvs - Norway Maple	152.75
32 93 43 00-0260	EA	3" Caliper Acer platanoides & cvs - Norway Maple	196.39
32 93 43 00-0261	EA	3-1/2" Caliper Acer platanoides & cvs - Norway Maple	229.12
32 93 43 00-0262	EA	4" Caliper Acer platanoides & cvs - Norway Maple	245.48
32 93 43 00-0263	EA	4-1/2" Caliper Acer platanoides & cvs - Norway Maple	267.31
32 93 43 00-0264	EA	5" Caliper Acer platanoides & cvs - Norway Maple	300.04
32 93 43 00-0265	EA	2" Caliper Acer rubrum & cvs - Red Maple	120.01
32 93 43 00-0266	EA	2-1/2" Caliper Acer rubrum & cvs - Red Maple	152.75
32 93 43 00-0267	EA	3" Caliper Acer rubrum & cvs - Red Maple	196.39
32 93 43 00-0268	EA	3-1/2" Caliper Acer rubrum & cvs - Red Maple	240.03
32 93 43 00-0269	EA	4" Caliper Acer rubrum & cvs - Red Maple	272.76
32 93 43 00-0270	EA	4-1/2" Caliper Acer rubrum & cvs - Red Maple	316.40
32 93 43 00-0271	EA	5" Caliper Acer rubrum & cvs - Red Maple	354.59
32 93 43 00-0272	EA	8' Clump Form Acer rubrum & cvs - Red Maple	147.29
32 93 43 00-0273	EA	10' Clump Form Acer rubrum & cvs - Red Maple	196.39
32 93 43 00-0274	EA	12' Clump Form Acer rubrum & cvs - Red Maple	229.12
32 93 43 00-0275	EA	14' Clump Form Acer rubrum & cvs - Red Maple	261.85
32 93 43 00-0276	EA	16' Clump Form Acer rubrum & cvs - Red Maple	294.58
32 93 43 00-0277	EA	18' Clump Form Acer rubrum & cvs - Red Maple	327.31
32 93 43 00-0278	EA	2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	190.93
32 93 43 00-0279	EA	2-1/2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	212.75
32 93 43 00-0280	EA	3" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	240.03
32 93 43 00-0281	EA	3-1/2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	272.76
32 93 43 00-0282	EA	4" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	327.31
32 93 43 00-0283	EA	2" Caliper Betula nigra - River Birch	136.38
32 93 43 00-0284	EA	2-1/2" Caliper Betula nigra - River Birch	154.44
32 93 43 00-0285	EA	3" Caliper Betula nigra - River Birch	174.57
32 93 43 00-0286	EA	3-1/2" Caliper Betula nigra - River Birch	218.21
32 93 43 00-0287	EA	4" Caliper Betula nigra - River Birch	245.48
32 93 43 00-0288	EA	4-1/2" Caliper Betula nigra - River Birch	272.76
32 93 43 00-0289	EA	5" Caliper Betula nigra - River Birch	300.04
32 93 43 00-0290	EA	8' Clump Form Betula nigra - River Birch	125.47
32 93 43 00-0291	EA	10' Clump Form Betula nigra - River Birch	141.84
32 93 43 00-0292	EA	12' Clump Form Betula nigra - River Birch	163.66
32 93 43 00-0293	EA	14' Clump Form Betula nigra - River Birch	190.93
32 93 43 00-0294	EA	16' Clump Form Betula nigra - River Birch	218.21
32 93 43 00-0295	EA	12' Clump Form Betula platyphylla japonica & cvs - Asian White Birch	163.66
32 93 43 00-0296	EA	14' Clump Form Betula platyphylla japonica & cvs - Asian White Birch	196.39
32 93 43 00-0297	EA	16' Clump Form Betula platyphylla japonica & cvs - Asian White Birch	229.12
32 93 43 00-0298	EA	18' Clump Form Betula platyphylla japonica & cvs - Asian White Birch	272.76
32 93 43 00-0299	EA	20' Clump Form Betula platyphylla japonica & cvs - Asian White Birch	283.67
32 93 43 00-0300	EA	2" Caliper Carpinus betulus & cvs - European Hornbeam	218.21
32 93 43 00-0301	EA	2-1/2" Caliper Carpinus betulus & cvs - European Hornbeam	245.48
32 93 43 00-0302	EA	3" Caliper Carpinus betulus & cvs - European Hornbeam	283.67
32 93 43 00-0303	EA	3-1/2" Caliper Carpinus betulus & cvs - European Hornbeam	343.68
32 93 43 00-0304	EA	6' Clump Form Carpinus betulus & cvs - European Hornbeam	98.19
32 93 43 00-0305	EA	7' Clump Form Carpinus betulus & cvs - European Hornbeam	136.38
32 93 43 00-0306	EA	8' Clump Form Carpinus betulus & cvs - European Hornbeam	169.11
32 93 43 00-0307	EA	2" Caliper Catalpa speciosa - Western Catalpa	120.01
32 93 43 00-0308	EA	2-1/2" Caliper Catalpa speciosa - Western Catalpa	163.66
32 93 43 00-0309	EA	3" Caliper Catalpa speciosa - Western Catalpa	212.75
32 93 43 00-0310	EA	3-1/2" Caliper Catalpa speciosa - Western Catalpa	256.40
32 93 43 00-0311	EA	4" Caliper Catalpa speciosa - Western Catalpa	294.58
32 93 43 00-0312	EA	8' Clump Form Corylus cornuta californica - Western Filbert	152.75
32 93 43 00-0313	EA	10' Clump Form Corylus cornuta californica - Western Filbert	185.48
32 93 43 00-0314	EA	12' Clump Form Corylus cornuta californica - Western Filbert	218.21
32 93 43 00-0315	EA	1-1/2" Caliper Diospyros - Persimmon	98.19
32 93 43 00-0316	EA	2" Caliper Diospyros - Persimmon	120.01
32 93 43 00-0317	EA	2-1/2" Caliper Diospyros - Persimmon	152.75
32 93 43 00-0318	EA	3" Caliper Diospyros - Persimmon	190.93
32 93 43 00-0319	EA	3-1/2" Caliper Diospyros - Persimmon	229.12
32 93 43 00-0320	EA	2" Caliper Fagus sylvatica & cvs - European Beech	245.48
32 93 43 00-0321	EA	2-1/2" Caliper Fagus sylvatica & cvs - European Beech	294.58
32 93 43 00-0322	EA	3" Caliper Fagus sylvatica & cvs - European Beech	354.59
32 93 43 00-0323	EA	3-1/2" Caliper Fagus sylvatica & cvs - European Beech	392.78

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 43 00-0324	EA	4" Caliper Fagus sylvatica & cvs - European Beech.....	463.69
32 93 43 00-0325	EA	4-1/2" Caliper Fagus sylvatica & cvs - European Beech.....	600.07
32 93 43 00-0326	EA	5" Caliper Fagus sylvatica & cvs - European Beech.....	709.18
32 93 43 00-0327	EA	2" Caliper Fraxinus americana & cvs - White Ash.....	136.38
32 93 43 00-0328	EA	2-1/2" Caliper Fraxinus americana & cvs - White Ash.....	163.66
32 93 43 00-0329	EA	3" Caliper Fraxinus americana & cvs - White Ash.....	207.30
32 93 43 00-0330	EA	3-1/2" Caliper Fraxinus americana & cvs - White Ash.....	250.94
32 93 43 00-0331	EA	4" Caliper Fraxinus americana & cvs - White Ash.....	294.58
32 93 43 00-0332	EA	4-1/2" Caliper Fraxinus americana & cvs - White Ash.....	327.31
32 93 43 00-0333	EA	5" Caliper Fraxinus americana & cvs - White Ash.....	381.87
32 93 43 00-0334	EA	1-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree).....	190.93
32 93 43 00-0335	EA	2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree).....	212.75
32 93 43 00-0336	EA	2-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree).....	240.03
32 93 43 00-0337	EA	3" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree).....	267.31
32 93 43 00-0338	EA	3-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree).....	300.04
32 93 43 00-0339	EA	4" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree).....	327.31
32 93 43 00-0340	EA	4-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree).....	490.97
32 93 43 00-0341	EA	5" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree).....	545.52
32 93 43 00-0342	EA	2" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust.....	130.93
32 93 43 00-0343	EA	2-1/2" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust.....	163.66
32 93 43 00-0344	EA	3" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust.....	196.39
32 93 43 00-0345	EA	3-1/2" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust.....	229.12
32 93 43 00-0346	EA	4" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust.....	261.85
32 93 43 00-0347	EA	4-1/2" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust.....	294.58
32 93 43 00-0348	EA	5" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust.....	349.13
32 93 43 00-0349	EA	10' - 12' Bursera Simaruba - Gumbo Limbo.....	69.01
32 93 43 00-0350	EA	12' - 14' Bursera Simaruba - Gumbo Limbo.....	81.56
32 93 43 00-0351	EA	14' - 16' Bursera Simaruba - Gumbo Limbo.....	112.92
32 93 43 00-0352	EA	17' - 18' Bursera Simaruba - Gumbo Limbo.....	146.80
32 93 43 00-0353	EA	19' - 20' Bursera Simaruba - Gumbo Limbo.....	163.11
32 93 43 00-0354	EA	21' - 22' Bursera Simaruba - Gumbo Limbo.....	193.22
32 93 43 00-0355	EA	1-1/2" Caliper Juglans californica - California Walnut.....	130.93
32 93 43 00-0356	EA	2" Caliper Juglans californica - California Walnut.....	152.75
32 93 43 00-0357	EA	2-1/2" Caliper Juglans californica - California Walnut.....	190.93
32 93 43 00-0358	EA	3" Caliper Juglans californica - California Walnut.....	240.03
32 93 43 00-0359	EA	3-1/2" Caliper Juglans californica - California Walnut.....	294.58
32 93 43 00-0360	EA	4" Caliper Juglans californica - California Walnut.....	354.59
32 93 43 00-0361	EA	4-1/2" Caliper Juglans californica - California Walnut.....	409.14
32 93 43 00-0362	EA	5" Caliper Juglans californica - California Walnut.....	463.69
32 93 43 00-0363	EA	5 Gallon Koelreuteria Paniculata - Goldenrain Tree.....	14.77
32 93 43 00-0364	EA	15 Gallon Koelreuteria Paniculata - Goldenrain Tree.....	36.92
32 93 43 00-0365	EA	20 Gallon Koelreuteria Paniculata - Goldenrain Tree.....	73.84
32 93 43 00-0366	EA	55 Gallon Koelreuteria Paniculata - Goldenrain Tree.....	96.00
32 93 43 00-0367	EA	1-1/2" To 2" Caliper Koelreuteria Paniculata - Goldenrain Tree.....	70.15
32 93 43 00-0368	EA	2" To 2-1/2" Caliper Koelreuteria Paniculata - Goldenrain Tree.....	84.92
32 93 43 00-0369	EA	2-1/2" To 3" Caliper Koelreuteria Paniculata - Goldenrain Tree.....	118.15
32 93 43 00-0370	EA	1-1/2" Caliper Liquidambar styraciflua - American Sweetgum.....	174.57
32 93 43 00-0371	EA	2" Caliper Liquidambar styraciflua - American Sweetgum.....	218.21
32 93 43 00-0372	EA	2-1/2" Caliper Liquidambar styraciflua - American Sweetgum.....	272.76
32 93 43 00-0373	EA	3" Caliper Liquidambar styraciflua - American Sweetgum.....	327.31
32 93 43 00-0374	EA	3-1/2" Caliper Liquidambar styraciflua - American Sweetgum.....	381.87
32 93 43 00-0375	EA	1-1/2" Caliper Liriodendron tulipifera - Tulip Tree.....	174.57
32 93 43 00-0376	EA	2" Caliper Liriodendron tulipifera - Tulip Tree.....	240.03
32 93 43 00-0377	EA	2-1/2" Caliper Liriodendron tulipifera - Tulip Tree.....	283.67
32 93 43 00-0378	EA	3" Caliper Liriodendron tulipifera - Tulip Tree.....	327.31
32 93 43 00-0379	EA	3-1/2" Caliper Liriodendron tulipifera - Tulip Tree.....	370.95
32 93 43 00-0380	EA	8' Clump Form Liriodendron tulipifera - Tulip Tree.....	130.93
32 93 43 00-0381	EA	10' Clump Form Liriodendron tulipifera - Tulip Tree.....	234.57
32 93 43 00-0382	EA	12' Clump Form Liriodendron tulipifera - Tulip Tree.....	283.67
32 93 43 00-0383	EA	1-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum.....	174.57
32 93 43 00-0384	EA	2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum.....	218.21
32 93 43 00-0385	EA	2-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum.....	272.76
32 93 43 00-0386	EA	3" Caliper Nyssa sylvatica - Black Tupelo Sour Gum.....	327.31
32 93 43 00-0387	EA	3-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum.....	381.87
32 93 43 00-0388	EA	4' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum.....	76.37
32 93 43 00-0389	EA	5' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum.....	87.28
32 93 43 00-0390	EA	6' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum.....	103.65
32 93 43 00-0391	EA	7' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum.....	130.93
32 93 43 00-0392	EA	8' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum.....	163.66
32 93 43 00-0393	EA	30" Box Platanus Occidentalis - Buttonwood Sycamore.....	237.00
32 93 43 00-0394	EA	36" Box Platanus Occidentalis - Buttonwood Sycamore.....	344.73
32 93 43 00-0395	EA	42" Box Platanus occidentalis - Buttonwood Sycamore.....	512.81
32 93 43 00-0396	EA	1-1/2" To 2" Caliper Platanus occidentalis - Buttonwood Sycamore.....	79.30
32 93 43 00-0397	EA	2" To 2-1/2" Caliper Platanus occidentalis - Buttonwood Sycamore.....	94.81
32 93 43 00-0398	EA	2-1/2" To 3" Caliper Platanus occidentalis - Buttonwood Sycamore.....	129.27
32 93 43 00-0399	EA	3" To 3-1/2" Caliper Platanus occidentalis - Buttonwood Sycamore.....	156.88
32 93 43 00-0400	EA	8' To 10' Platanus occidentalis - Green Or Silver Buttonwood.....	65.24
32 93 43 00-0401	EA	10' To 12' Platanus occidentalis - Green Or Silver Buttonwood.....	81.56
32 93 43 00-0402	EA	12' To 14' Platanus occidentalis - Green Or Silver Buttonwood.....	144.29
32 93 43 00-0403	EA	16' To 18' Platanus occidentalis - Green Or Silver Buttonwood.....	207.03
32 93 43 00-0404	EA	2" Caliper Platanus x acerifolia & cvs - London Planetree.....	130.93
32 93 43 00-0405	EA	2-1/2" Caliper Platanus x acerifolia & cvs - London Planetree.....	158.20
32 93 43 00-0406	EA	3" Caliper Platanus x acerifolia & cvs - London Planetree.....	190.93
32 93 43 00-0407	EA	3-1/2" Caliper Platanus x acerifolia & cvs - London Planetree.....	229.12
32 93 43 00-0408	EA	4" Caliper Platanus x acerifolia & cvs - London Planetree.....	272.76

MINOR			TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION			UNIT COST	UNIT COST
32 93 43 00-0409	EA	2" Caliper Populus alba & cvs - White Poplar	130.93	
32 93 43 00-0410	EA	2-1/2" Caliper Populus alba & cvs - White Poplar	152.75	
32 93 43 00-0411	EA	3" Caliper Populus alba & cvs - White Poplar	174.57	
32 93 43 00-0412	EA	3-1/2" Caliper Populus alba & cvs - White Poplar	207.30	
32 93 43 00-0413	EA	4" Caliper Populus alba & cvs - White Poplar	229.12	
32 93 43 00-0414	EA	4-1/2" Caliper Populus alba & cvs - White Poplar	261.85	
32 93 43 00-0415	EA	2" Caliper Populus deltoides & cvs - Eastern Cottonwood	120.01	
32 93 43 00-0416	EA	2-1/2" Caliper Populus deltoides & cvs - Eastern Cottonwood	158.20	
32 93 43 00-0417	EA	3" Caliper Populus deltoides & cvs - Eastern Cottonwood	190.93	
32 93 43 00-0418	EA	3-1/2" Caliper Populus deltoides & cvs - Eastern Cottonwood	229.12	
32 93 43 00-0419	EA	4" Caliper Populus deltoides & cvs - Eastern Cottonwood	272.76	
32 93 43 00-0420	EA	2" Caliper Quercus palustris - Pin Oak	120.01	
32 93 43 00-0421	EA	2-1/2" Caliper Quercus palustris - Pin Oak	163.66	
32 93 43 00-0422	EA	3" Caliper Quercus palustris - Pin Oak	212.75	
32 93 43 00-0423	EA	3-1/2" Caliper Quercus palustris - Pin Oak	245.48	
32 93 43 00-0424	EA	4" Caliper Quercus palustris - Pin Oak	283.67	
32 93 43 00-0425	EA	4-1/2" Caliper Quercus palustris - Pin Oak	321.86	
32 93 43 00-0426	EA	5" Caliper Quercus palustris - Pin Oak	354.59	
32 93 43 00-0427	EA	2" Caliper Quercus shumardii - Shumard Oak	185.48	
32 93 43 00-0428	EA	2-1/2" Caliper Quercus shumardii - Shumard Oak	234.57	
32 93 43 00-0429	EA	3" Caliper Quercus shumardii - Shumard Oak	272.76	
32 93 43 00-0430	EA	3-1/2" Caliper Quercus shumardii - Shumard Oak	327.31	
32 93 43 00-0431	EA	4" Caliper Quercus shumardii - Shumard Oak	381.87	
32 93 43 00-0432	EA	4-1/2" Caliper Quercus shumardii - Shumard Oak	436.42	
32 93 43 00-0433	EA	5" Caliper Quercus shumardii - Shumard Oak	490.97	
32 93 43 00-0434	EA	24" Box Salix babylonica - Weeping Willow	137.89	
32 93 43 00-0435	EA	36" Box Salix babylonica - Weeping Willow	344.73	
32 93 43 00-0436	EA	1-1/2" To 2" Caliper Salix babylonica - Weeping Willow	79.30	
32 93 43 00-0437	EA	2" To 2-1/2" Caliper Salix babylonica - Weeping Willow	94.81	
32 93 43 00-0438	EA	2-1/2" To 3" Caliper Salix babylonica - Weeping Willow	103.42	
32 93 43 00-0439	EA	2' Thuja occidentalis - American Arborvitae	18.70	
32 93 43 00-0440	EA	2-1/2' Thuja occidentalis - American Arborvitae	20.20	
32 93 43 00-0441	EA	3' Thuja occidentalis - American Arborvitae	28.86	
32 93 43 00-0442	EA	4' Thuja occidentalis - American Arborvitae	39.65	
32 93 43 00-0443	EA	5' Thuja occidentalis - American Arborvitae	55.21	
32 93 43 00-0444	EA	6' Thuja occidentalis - American Arborvitae	76.54	
32 93 43 00-0445	EA	7' Thuja occidentalis - American Arborvitae	92.85	
32 93 43 00-0446	EA	8' Thuja occidentalis - American Arborvitae	130.49	
32 93 43 00-0447	EA	2" Caliper Tilia cordata & cvs - Littleleaf Linden	137.20	
32 93 43 00-0448	EA	2-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden	165.73	
32 93 43 00-0449	EA	3" Caliper Tilia cordata & cvs - Littleleaf Linden	190.93	
32 93 43 00-0450	EA	3-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden	234.57	
32 93 43 00-0451	EA	4" Caliper Tilia cordata & cvs - Littleleaf Linden	267.31	
32 93 43 00-0452	EA	4-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden	300.04	
32 93 43 00-0453	EA	5" Caliper Tilia cordata & cvs - Littleleaf Linden	332.77	
32 93 43 00-0454	EA	2" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm	152.75	
32 93 43 00-0455	EA	2-1/2" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm	174.57	
32 93 43 00-0456	EA	3" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm	190.93	
32 93 43 00-0457	EA	3-1/2" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm	207.30	
32 93 43 00-0458	EA	4" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm	229.12	
32 93 43 00-0459	EA	4-1/2" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm	272.76	
32 93 43 00-0460	EA	5" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm	321.86	
32 93 43 00-0461	EA	2" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm	174.57	
32 93 43 00-0462	EA	2-1/2" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm	190.93	
32 93 43 00-0463	EA	3" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm	207.30	
32 93 43 00-0464	EA	3-1/2" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm	229.12	
32 93 43 00-0465	EA	4" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm	272.76	
32 93 43 00-0466	EA	4-1/2" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm	321.86	
32 93 43 00-0467	EA	5" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm	370.95	
32 93 43 00-0468	EA	2" Caliper Ulmus x 'Regal' - Regal Hybrid Elm	174.57	
32 93 43 00-0469	EA	2-1/2" Mary-Louise Parker Ulmus x 'Regal' - Regal Hybrid Elm	190.93	
32 93 43 00-0470	EA	3" Caliper Ulmus x 'Regal' - Regal Hybrid Elm	207.30	
32 93 43 00-0471	EA	3-1/2" Caliper Ulmus x 'Regal' - Regal Hybrid Elm	229.12	
32 93 43 00-0472	EA	4" Caliper Ulmus x 'Regal' - Regal Hybrid Elm	272.76	
32 93 43 00-0473	EA	4-1/2" Caliper Ulmus x 'Regal' - Regal Hybrid Elm	321.86	
32 93 43 00-0474	EA	5" Caliper Ulmus x 'Regal' - Regal Hybrid Elm	370.95	
32 93 43 00-0475	EA	1-1/2" To 2" Caliper Platanus acerifolia "Bloodgold" - London Plane	325.74	
32 93 43 00-0476	EA	2" To 2-1/2" Caliper Platanus acerifolia "Bloodgold" - London Plane	581.43	
32 93 43 00-0477	EA	2-1/2" To 3" Caliper Platanus acerifolia "Bloodgold" - London Plane	851.13	
32 93 43 00-0478	EA	3" To 3-1/2" Caliper Platanus acerifolia "Bloodgold" - London Plane	1,057.79	
32 93 43 00-0479	EA	3-1/2" To 4" Caliper Platanus acerifolia "Bloodgold" - London Plane	1,369.52	
32 93 43 00-0480	EA	4" To 5" Caliper Platanus acerifolia "Bloodgold" - London Plane	1,558.66	
32 93 43 00-0481	EA	24" Box Platanus acerifolia "Bloodgold" - London Plane	409.80	
32 93 43 00-0482	EA	1-1/2" Caliper Quercus suber - Cork Oak	490.36	
32 93 43 00-0483	EA	2" Caliper Quercus suber - Cork Oak	679.50	
32 93 43 00-0484	EA	2-1/2" Caliper Quercus suber - Cork Oak	868.64	
32 93 43 00-0485	EA	3" Caliper Quercus suber - Cork Oak	1,085.81	
32 93 43 00-0486	EA	3-1/2" Caliper Quercus suber - Cork Oak	1,628.71	
32 93 43 00-0487	EA	4" Caliper Quercus suber - Cork Oak	2,101.56	
32 93 43 00-0488	EA	4-1/2" Caliper Quercus suber - Cork Oak	2,732.03	
32 93 43 00-0489	EA	1-1/2" Caliper Quercus ilex - Holly Oak	542.90	
32 93 43 00-0490	EA	2" Caliper Quercus ilex - Holly Oak	732.04	
32 93 43 00-0491	EA	2-1/2" Caliper Quercus ilex - Holly Oak	896.67	
32 93 43 00-0492	EA	3" Caliper Quercus ilex - Holly Oak	1,085.81	
32 93 43 00-0493	EA	3-1/2" Caliper Quercus ilex - Holly Oak	1,628.71	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 43 00-0494 EA 4" Caliper Quercus ilex - Holly Oak.....2,101.56

32 93 43 00-0495**Evergreen Trees** (32 93 43)

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0496	EA	2' To 3' Cedrus atlantica - Blue Atlas Cedar	24.03
32 93 43 00-0497	EA	3' To 4' Cedrus atlantica - Blue Atlas Cedar	38.62
32 93 43 00-0498	EA	4' To 5' Cedrus atlantica - Blue Atlas Cedar	57.38
32 93 43 00-0499	EA	5' To 6' Cedrus atlantica - Blue Atlas Cedar	77.20
32 93 43 00-0500	EA	7' To 8' Cedrus atlantica - Blue Atlas Cedar	109.60
32 93 43 00-0501	EA	6' To 8' Cedrus deodara - Indian Cedar	99.17
32 93 43 00-0502	EA	8' To 10' Cedrus deodara - Indian Cedar	114.82
32 93 43 00-0503	EA	10' To 12' Cedrus deodara - Indian Cedar	156.55
32 93 43 00-0504	EA	12' To 14' Cedrus deodara - Indian Cedar	203.50
32 93 43 00-0505	EA	14' To 16' Cedrus deodara - Indian Cedar	260.93
32 93 43 00-0506	EA	15" To 18" Chamaecyparis obtusa - Compact Hinoki Cypress	31.00
32 93 43 00-0507	EA	18" To 24" Chamaecyparis obtusa - Compact Hinoki Cypress	46.50
32 93 43 00-0508	EA	2' To 3' Chamaecyparis obtusa - Compact Hinoki Cypress	72.33
32 93 43 00-0509	EA	3' To 4' Chamaecyparis obtusa - Compact Hinoki Cypress	124.00
32 93 43 00-0510	EA	5 Gallon Cupressocyparis leylandii - Leyland Cypress	17.05
32 93 43 00-0511	EA	15 Gallon Cupressocyparis leylandii - Leyland Cypress	68.22
32 93 43 00-0512	EA	4' To 5' Cupressocyparis leylandii - Leyland Cypress	29.85
32 93 43 00-0513	EA	5' To 6' Cupressocyparis leylandii - Leyland Cypress	38.37
32 93 43 00-0514	EA	6' To 7' Cupressocyparis leylandii - Leyland Cypress	59.69
32 93 43 00-0515	EA	24" Box Cupressocyparis leylandii - Leyland Cypress	144.96
32 93 43 00-0516	EA	1 Gallon Cupressus macrocarpa - Monterey Cypress	3.11
32 93 43 00-0517	EA	5 Gallon Cupressus macrocarpa - Monterey Cypress	14.00
32 93 43 00-0518	EA	15 Gallon Cupressus macrocarpa - Monterey Cypress	46.65
32 93 43 00-0519	EA	5 Gallon Cupressus sempervirens - Italian Cypress	16.05
32 93 43 00-0520	EA	15 Gallon Cupressus sempervirens - Italian Cypress	44.14
32 93 43 00-0521	EA	1 Gallon Juniperus horizontalis "Bar Harbor" - Bar Harbor Juniper	4.72
32 93 43 00-0522	EA	2 Gallon Juniperus horizontalis "Bar Harbor" - Bar Harbor Juniper	9.23
32 93 43 00-0523	EA	3 Gallon Juniperus horizontalis "Bar Harbor" - Bar Harbor Juniper	11.44
32 93 43 00-0524	EA	5 Gallon Juniperus horizontalis "Bar Harbor" - Bar Harbor Juniper	13.44
32 93 43 00-0525	EA	1 Gallon Juniperus - Blue Sargent Juniper	4.72
32 93 43 00-0526	EA	2 Gallon Juniperus - Blue Sargent Juniper	9.23
32 93 43 00-0527	EA	3 Gallon Juniperus - Blue Sargent Juniper	11.44
32 93 43 00-0528	EA	5 Gallon Juniperus - Blue Sargent Juniper	13.44
32 93 43 00-0529	EA	5 Gallon Juniperus - Compact Pfitzer Juniper	13.44
32 93 43 00-0530	EA	15" To 18" Juniperus - Compact Pfitzer Juniper	14.55
32 93 43 00-0531	EA	18" To 24" Juniperus - Compact Pfitzer Juniper	17.56
32 93 43 00-0532	EA	2' To 2 1/2' Juniperus - Compact Pfitzer Juniper	26.08
32 93 43 00-0533	EA	2-1/2' To 3' Juniperus - Compact Pfitzer Juniper	30.20
32 93 43 00-0534	EA	5' To 6' Juniperus - Fairview Juniper	44.98
32 93 43 00-0535	EA	1 Gallon Juniperus - Hollywood Juniper	6.02
32 93 43 00-0536	EA	5 Gallon Juniperus - Hollywood Juniper	16.75
32 93 43 00-0537	EA	15 Gallon Juniperus - Hollywood Juniper	71.03
32 93 43 00-0538	EA	4' To 5' Juniperus - Hollywood Juniper	46.95
32 93 43 00-0539	EA	5' To 6' Juniperus - Hollywood Juniper	60.49
32 93 43 00-0540	EA	1 Gallon Juniperus - Parson's Juniper	4.72
32 93 43 00-0541	EA	2 Gallon Juniperus - Parson's Juniper	9.33
32 93 43 00-0542	EA	3 Gallon Juniperus - Parson's Juniper	11.54
32 93 43 00-0543	EA	5 Gallon Juniperus - Parson's Juniper	13.64
32 93 43 00-0544	EA	5 Gallon Juniperus - Skyrocket Juniper	16.85
32 93 43 00-0545	EA	15 Gallon Juniperus - Skyrocket Juniper	71.73
32 93 43 00-0546	EA	2' To 3' Juniperus - Skyrocket Juniper	25.28
32 93 43 00-0547	EA	3' To 4' Juniperus - Skyrocket Juniper	35.81
32 93 43 00-0548	EA	4' To 5' Juniperus - Skyrocket Juniper	47.45
32 93 43 00-0549	EA	5' To 6' Juniperus - Skyrocket Juniper	61.20
32 93 43 00-0550	EA	6' To 8' Juniperus - Skyrocket Juniper	79.05
32 93 43 00-0551	EA	1 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	4.72
32 93 43 00-0552	EA	2 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	9.28
32 93 43 00-0553	EA	3 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	11.39
32 93 43 00-0554	EA	5 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	13.49
32 93 43 00-0555	EA	1 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	4.72
32 93 43 00-0556	EA	2 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	9.28
32 93 43 00-0557	EA	3 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	11.39
32 93 43 00-0558	EA	5 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	13.49
32 93 43 00-0559	EA	3' Pinus sylvestris - Scotch Pine	43.82
32 93 43 00-0560	EA	4' Pinus sylvestris - Scotch Pine	60.83
32 93 43 00-0561	EA	5' Pinus sylvestris - Scotch Pine	85.38
32 93 43 00-0562	EA	6' Pinus sylvestris - Scotch Pine	118.46
32 93 43 00-0563	EA	7' Pinus sylvestris - Scotch Pine	145.14
32 93 43 00-0564	EA	8' Pinus sylvestris - Scotch Pine	204.90
32 93 43 00-0565	EA	9' Pinus sylvestris - Scotch Pine	260.13
32 93 43 00-0566	EA	10' Pinus sylvestris - Scotch Pine	300.15
32 93 43 00-0567	EA	12' Pinus sylvestris - Scotch Pine	353.51
32 93 43 00-0568	EA	14' Pinus sylvestris - Scotch Pine	400.20
32 93 43 00-0569	EA	16' Pinus sylvestris - Scotch Pine	466.90
32 93 43 00-0570	EA	1 Gallon Pinus thunbergiana - Japanese Black Pine	4.72
32 93 43 00-0571	EA	5 Gallon Pinus thunbergiana - Japanese Black Pine	16.75
32 93 43 00-0572	EA	15 Gallon Pinus thunbergiana - Japanese Black Pine	54.27
32 93 43 00-0573	EA	2' To 3' Pinus thunbergiana - Japanese Black Pine	22.97
32 93 43 00-0574	EA	3' To 4' Pinus thunbergiana - Japanese Black Pine	29.19
32 93 43 00-0575	EA	4' To 5' Pinus thunbergiana - Japanese Black Pine	43.84

MINOR			TOTAL DIRECT		DEMOLITION
CSI UOM DESCRIPTION			UNIT COST		UNIT COST
32 93 43 00-0576	EA	5' To 6' Pinus thunbergiana - Japanese Black Pine.....		85.57	
32 93 43 00-0577	EA	6' To 7' Pinus Thunbergiana - Japanese Black Pine.....		96.01	
32 93 43 00-0578	EA	7' To 8' Pinus thunbergiana - Japanese Black Pine.....		119.98	
32 93 43 00-0579	EA	6' Pinus flexilis & cvs - Limber Pine.....		166.75	
32 93 43 00-0580	EA	7' Pinus flexilis & cvs - Limber Pine.....		193.43	
32 93 43 00-0581	EA	8' Pinus flexilis & cvs - Limber Pine.....		240.12	
32 93 43 00-0582	EA	9' Pinus flexilis & cvs - Limber Pine.....		293.48	
32 93 43 00-0583	EA	10' Pinus flexilis & cvs - Limber Pine.....		333.50	
32 93 43 00-0584	EA	1 Gallon Pinus mugo - Mugho Pine.....		6.22	
32 93 43 00-0585	EA	2 Gallon Pinus mugo - Mugho Pine.....		13.14	
32 93 43 00-0586	EA	3 Gallon Pinus mugo - Mugho Pine.....		16.45	
32 93 43 00-0587	EA	5 Gallon Pinus mugo - Mugho Pine.....		20.87	
32 93 43 00-0588	EA	12" To 15" Spread Pinus mugo - Mugho Pine.....		16.15	
32 93 43 00-0589	EA	15" To 18" Spread Pinus mugo - Mugho Pine.....		19.26	
32 93 43 00-0590	EA	18" To 24" Spread Pinus mugo - Mugho Pine.....		26.08	
32 93 43 00-0591	EA	2' To 2-1/2' Spread Pinus mugo - Mugho Pine.....		36.52	
32 93 43 00-0592	EA	2-1/2' To 3' Spread Pinus mugo - Mugho Pine.....		46.95	
32 93 43 00-0593	EA	3' To 3-1/2' Spread Pinus mugo - Mugho Pine.....		58.49	
32 93 43 00-0594	EA	3-1/2' To 4' Spread Pinus mugo - Mugho Pine.....		71.03	
32 93 43 00-0595	EA	6' Pinus nigra - Austrian Pine.....		166.75	
32 93 43 00-0596	EA	7' Pinus nigra - Austrian Pine.....		200.10	
32 93 43 00-0597	EA	8' Pinus nigra - Austrian Pine.....		260.13	
32 93 43 00-0598	EA	9' Pinus nigra - Austrian Pine.....		300.15	
32 93 43 00-0599	EA	10' Pinus nigra - Austrian Pine.....		353.51	
32 93 43 00-0600	EA	12' Pinus nigra - Austrian Pine.....		400.20	
32 93 43 00-0601	EA	14' Pinus nigra - Austrian Pine.....		446.89	
32 93 43 00-0602	EA	16' Pinus nigra - Austrian Pine.....		506.92	
32 93 43 00-0603	EA	1 Gallon Podocarpus - Chinese Podocarpus.....		3.11	
32 93 43 00-0604	EA	3 Gallon Podocarpus - Chinese Podocarpus.....		7.22	
32 93 43 00-0605	EA	7 Gallon Podocarpus - Chinese Podocarpus.....		20.87	
32 93 43 00-0606	EA	15 Gallon Podocarpus - Chinese Podocarpus.....		33.91	
32 93 43 00-0607	EA	4' To 5' Podocarpus - Chinese Podocarpus.....		52.17	
32 93 43 00-0608	EA	5' To 6' Sequoia sempervirens - Dawn Redwood.....		65.21	
32 93 43 00-0609	EA	6' To 8' Sequoia sempervirens - Dawn Redwood.....		88.03	
32 93 43 00-0610	EA	8' To 10' Sequoia sempervirens - Dawn Redwood.....		107.60	
32 93 43 00-0611	EA	3' To 4' Thuja occidentalis 'Wareana' - Siberian Arborvitae.....		12.57	
32 93 43 00-0612	EA	3' To 4' Thuja occidentalis 'Woodwardii' - Woodward Arborvitae.....		23.54	
32 93 43 00-0613	EA	4' Metrosideros excelsus - New Zealand Christmas Tree.....		95.11	
32 93 43 00-0614	EA	5' Metrosideros excelsus - New Zealand Christmas Tree.....		128.86	
32 93 43 00-0615	EA	6' Metrosideros excelsus - New Zealand Christmas Tree.....		219.38	
32 93 43 00-0616	EA	8' Metrosideros excelsus - New Zealand Christmas Tree.....		271.54	
32 93 43 00-0617	EA	24" Box Metrosideros excelsus - New Zealand Christmas Tree.....		180.68	
32 93 43 00-0618	EA	6' Cedrus decurrens - Incense Cedar.....		111.99	
32 93 43 00-0619	EA	8' Cedrus decurrens - Incense Cedar.....		231.65	
32 93 43 00-0620	EA	10' Cedrus decurrens - Incense Cedar.....		306.82	
32 93 43 00-0621	EA	12' Cedrus decurrens - Incense Cedar.....		406.54	
32 93 43 00-0622	EA	6' Pinus canariensis - Canary Island Pine.....		368.18	
32 93 43 00-0623	EA	8' Pinus canariensis - Canary Island Pine.....		490.91	
32 93 43 00-0624	EA	10' Pinus canariensis - Canary Island Pine.....		613.64	
32 93 43 00-0625	EA	12' Pinus canariensis - Canary Island Pine.....		736.37	
32 93 43 00-0626	EA	24" Box Pinus canariensis - Canary Island Pine.....		378.92	
32 93 43 00-0627	EA	6' Pinus pinea - Italian Stone Pine.....		368.18	
32 93 43 00-0628	EA	8' Pinus pinea - Italian Stone Pine.....		490.91	
32 93 43 00-0629	EA	10' Pinus pinea - Italian Stone Pine.....		613.64	
32 93 43 00-0630	EA	12' Pinus pinea - Italian Stone Pine.....		736.37	
32 93 43 00-0631	EA	6' Afrocarpus falcatus (Podocarpus gracilior) - African Fern Pine.....		383.52	
32 93 43 00-0632	EA	8' Afrocarpus falcatus (Podocarpus gracilior) - African Fern Pine.....		506.25	
32 93 43 00-0633	EA	10' Afrocarpus falcatus (Podocarpus gracilior) - African Fern Pine.....		644.32	
32 93 43 00-0634	EA	12' Afrocarpus falcatus (Podocarpus gracilior) - African Fern Pine.....		767.05	
32 93 43 00-0635	EA	24" Box Afrocarpus falcatus (Podocarpus gracilior) - African Fern Pine.....		179.49	
32 93 43 00-0636	EA	6' Melaleuca linariifolia - Flaxleaf Paperbark.....		322.16	
32 93 43 00-0637	EA	8' Melaleuca linariifolia - Flaxleaf Paperbark.....		429.55	
32 93 43 00-0638	EA	10' Melaleuca linariifolia - Flaxleaf Paperbark.....		536.94	
32 93 43 00-0639	EA	12' Melaleuca linariifolia - Flaxleaf Paperbark.....		644.32	
32 93 43 00-0640	EA	24" Box Melaleuca linariifolia - Flaxleaf Paperbark.....		319.09	
32 93 43 00-0641	EA	6' Melaleuca quinquenervia - Cajeput Tree.....		322.16	
32 93 43 00-0642	EA	8' Melaleuca quinquenervia - Cajeput Tree.....		429.55	
32 93 43 00-0643	EA	10' Melaleuca quinquenervia - Cajeput Tree.....		536.94	
32 93 43 00-0644	EA	12' Melaleuca quinquenervia - Cajeput Tree.....		644.32	
32 93 43 00-0645	EA	24" Box Melaleuca quinquenervia - Cajeput Tree.....		179.49	
32 93 43 00-0646	EA	30" Box Melaleuca quinquenervia - Cajeput Tree.....		452.56	
32 93 43 00-0647	EA	36" Box Melaleuca quinquenervia - Cajeput Tree.....		713.36	
32 93 43 00-0648	EA	6' Pittosporum undulatum - Victorian Box.....		202.50	
32 93 43 00-0649	EA	8' Pittosporum undulatum - Victorian Box.....		320.63	
32 93 43 00-0650	EA	10' Pittosporum undulatum - Victorian Box.....		421.88	
32 93 43 00-0651	EA	1 Gallon Podocarpus macrophyllus - Yew Pine.....		7.13	
32 93 43 00-0652	EA	3 Gallon Podocarpus macrophyllus - Yew Pine.....		16.72	
32 93 43 00-0653	EA	5 Gallon Podocarpus macrophyllus - Yew Pine.....		21.94	
32 93 43 00-0654	EA	15 Gallon Podocarpus macrophyllus - Yew Pine.....		95.11	
32 93 43 00-0655	EA	24" Box Podocarpus macrophyllus - Yew Pine.....		184.09	
32 93 43 00-0656	EA	24" Box Rhus lancea - African Sumac.....		189.46	
32 93 43 00-0657	EA	30" Box Rhus lancea - African Sumac.....		306.82	
32 93 43 00-0658	EA	8' Rhus lancea - African Sumac.....		460.23	
32 93 43 00-0659	EA	10' Rhus lancea - African Sumac.....		513.92	
32 93 43 00-0660	EA	12' Rhus lancea - African Sumac.....		613.64	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**32 93 43 00-0661****Palm And Subtropical Trees** (32 93 43)

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0662	EA	4' To 5' Archontophoenix cunninghamiana - King Palm	102.64
32 93 43 00-0663	EA	6' To 8' Archontophoenix cunninghamiana - King Palm	159.66
32 93 43 00-0664	EA	8' To 10' Archontophoenix cunninghamiana - King Palm	205.28
32 93 43 00-0665	EA	10' To 12' Archontophoenix cunninghamiana - King Palm	273.70
32 93 43 00-0666	EA	10' To 16' Sabal palmetto - Cabbage Palm	160.33
32 93 43 00-0667	EA	12' To 16' Cocos nucifera - Coconut Palm	437.24
32 93 43 00-0668	EA	3' To 4' Chamaedorea radicalis - Dwarf Bamboo Palm	217.72
32 93 43 00-0669	EA	5' To 6' Chamaedorea radicalis - Dwarf Bamboo Palm	342.13
32 93 43 00-0670	EA	3' To 4' Chamaerops humilis - European Fan Palm	186.62
32 93 43 00-0671	EA	5' To 6' Chamaerops humilis - European Fan Palm	248.82
32 93 43 00-0672	EA	7' To 8' Chamaerops humilis - European Fan Palm	580.58
32 93 43 00-0673	EA	9' To 10' Chamaerops humilis - European Fan Palm	995.28
32 93 43 00-0674	EA	6' To 7' Thrinax morrisii - Key Thatch Palm	435.44
32 93 43 00-0675	EA	8' To 9' Thrinax morrisii - Key Thatch Palm	559.84
32 93 43 00-0676	EA	10' To 11' Thrinax morrisii - Key Thatch Palm	684.26
32 93 43 00-0677	EA	4' To 5' Rhaps excelsa - Lady Palm	393.96
32 93 43 00-0678	EA	6' To 7' Rhaps excelsa - Lady Palm	559.84
32 93 43 00-0679	EA	6' To 7' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut	145.14
32 93 43 00-0680	EA	8' To 10' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut	290.29
32 93 43 00-0681	EA	10' To 12' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut	373.23
32 93 43 00-0682	EA	12' To 14' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut	518.38
32 93 43 00-0683	EA	4' To 5' Arecastrum romanzoffianum - Queen Palm	77.76
32 93 43 00-0684	EA	6' To 8' Arecastrum romanzoffianum - Queen Palm	108.86
32 93 43 00-0685	EA	8' To 10' Arecastrum romanzoffianum - Queen Palm	139.96
32 93 43 00-0686	EA	10' To 12' Arecastrum romanzoffianum - Queen Palm	171.06
32 93 43 00-0687	EA	12' To 14' Arecastrum romanzoffianum - Queen Palm	207.35
32 93 43 00-0688	EA	14' To 16' Arecastrum romanzoffianum - Queen Palm	259.19
32 93 43 00-0689	EA	8' To 9' Roystonea regia - Royal Palm	317.25
32 93 43 00-0690	EA	10' To 11' Roystonea regia - Royal Palm	387.74
32 93 43 00-0691	EA	12' To 13' Roystonea regia - Royal Palm	458.24
32 93 43 00-0692	EA	14' To 15' Roystonea regia - Royal Palm	528.74
32 93 43 00-0693	EA	16' To 17' Roystonea regia - Royal Palm	599.24
32 93 43 00-0694	EA	18' To 19' Roystonea regia - Royal Palm	669.74
32 93 43 00-0695	EA	20' To 21' Roystonea regia - Royal Palm	740.24
32 93 43 00-0696	EA	9' Ptychosperma elegans - Alexander Palm, Solitaire Palm	155.51
32 93 43 00-0697	EA	11' Ptychosperma elegans - Alexander Palm, Solitaire Palm	259.19
32 93 43 00-0698	EA	15' Ptychosperma elegans - Alexander Palm, Solitaire Palm	393.96
32 93 43 00-0699	EA	17' Ptychosperma elegans - Alexander Palm, Solitaire Palm	445.80
32 93 43 00-0700	EA	20' Ptychosperma elegans - Alexander Palm, Solitaire Palm	518.38
32 93 43 00-0701	EA	4' To 5' Bauninia blakeana - Hong Kong Orchid	445.80
32 93 43 00-0702	EA	6' Bauninia blakeana - Hong Kong Orchid	528.74
32 93 43 00-0703	EA	8' Bauninia blakeana - Hong Kong Orchid	704.99
32 93 43 00-0704	EA	10' Bauninia blakeana - Hong Kong Orchid	881.24
32 93 43 00-0705	EA	4' To 5' Acacia baileyana - Bailey Acacia	250.94
32 93 43 00-0706	EA	6' Acacia baileyana - Bailey Acacia	301.13
32 93 43 00-0707	EA	8' Acacia baileyana - Bailey Acacia	351.32
32 93 43 00-0708	EA	10' Acacia baileyana - Bailey Acacia	439.14
32 93 43 00-0709	EA	6' Agonis flexuosa - Peppermint Tree	150.56
32 93 43 00-0710	EA	8' Agonis flexuosa - Peppermint Tree	188.20
32 93 43 00-0711	EA	10' Agonis flexuosa - Peppermint Tree	225.85
32 93 43 00-0712	EA	24" Box Agonis flexuosa - Peppermint Tree	187.58
32 93 43 00-0713	EA	6' Bauhinia purpurea - Purple Orchid Tree	559.84
32 93 43 00-0714	EA	8' Bauhinia purpurea - Purple Orchid Tree	746.46
32 93 43 00-0715	EA	10' Bauhinia purpurea - Purple Orchid Tree	933.08
32 93 43 00-0716	EA	24" Box Bauhinia purpurea - Purple Orchid Tree	242.60
32 93 43 00-0717	EA	6' Bauhinia variegata candida - White Orchid Tree	622.05
32 93 43 00-0718	EA	8' Bauhinia variegata candida - White Orchid Tree	829.40
32 93 43 00-0719	EA	10' Bauhinia variegata candida - White Orchid Tree	1,036.75
32 93 43 00-0720	EA	6' Callistemon citrinus - Crimson or Lemon Bottle Brush	338.77
32 93 43 00-0721	EA	8' Callistemon citrinus - Crimson or Lemon Bottle Brush	451.69
32 93 43 00-0722	EA	10' Callistemon citrinus - Crimson or Lemon Bottle Brush	564.62
32 93 43 00-0723	EA	6' Eriobotrya deflexa - Bronze Loquat	559.84
32 93 43 00-0724	EA	8' Eriobotrya deflexa - Bronze Loquat	746.46
32 93 43 00-0725	EA	10' Eriobotrya deflexa - Bronze Loquat	933.08
32 93 43 00-0726	EA	6' Eucalyptus erythrocorys - Red Cap Gum	559.84
32 93 43 00-0727	EA	8' Eucalyptus erythrocorys - Red Cap Gum	746.46
32 93 43 00-0728	EA	10' Eucalyptus erythrocorys - Red Cap Gum	933.08
32 93 43 00-0729	EA	6' Eucalyptus torquata - Coral Gum	559.84
32 93 43 00-0730	EA	8' Eucalyptus torquata - Coral Gum	746.46
32 93 43 00-0731	EA	10' Eucalyptus torquata - Coral Gum	933.08
32 93 43 00-0732	EA	8' Fraxinus oxycarpa "Raywood" - Raywood Ash	351.32
32 93 43 00-0733	EA	10' Fraxinus oxycarpa "Raywood" - Raywood Ash	476.79
32 93 43 00-0734	EA	12' Fraxinus oxycarpa "Raywood" - Raywood Ash	589.71
32 93 43 00-0735	EA	1 Gallon Washingtonia robusta - Mexican Fan Palm	9.30
32 93 43 00-0736	EA	5 Gallon Washingtonia robusta - Mexican Fan Palm	28.94
32 93 43 00-0737	EA	15 Gallon Washingtonia robusta - Mexican Fan Palm	101.31
32 93 43 00-0738	EA	24" Box Washingtonia robusta - Mexican Fan Palm	330.80
32 93 43 00-0739	EA	36" Box Washingtonia robusta - Mexican Fan Palm	878.69
32 93 43 00-0740	EA	6' Washingtonia robusta - Mexican Fan Palm	559.84
32 93 43 00-0741	EA	8' Washingtonia robusta - Mexican Fan Palm	746.46
32 93 43 00-0742	EA	10' Washingtonia robusta - Mexican Fan Palm	933.08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 93 43 00-0743	EA	12'	Washingtonia robusta - Mexican Fan Palm.....	1,119.69	
32 93 43 00-0744	EA	6'	Olea europaea - Olive "Fruitless".....	414.21	
32 93 43 00-0745	EA	8'	Olea europaea - Olive "Fruitless".....	552.28	
32 93 43 00-0746	EA	10'	Olea europaea - Olive "Fruitless".....	690.34	
32 93 43 00-0747	EA	12'	Olea europaea - Olive "Fruitless".....	828.41	
32 93 43 00-0748	EA	24"	Box Olea europaea - Olive "Fruitless".....	509.32	
32 93 43 00-0749	EA	6'	Eucalyptus polyanthemos - Silver Dollar Gum.....	559.84	
32 93 43 00-0750	EA	8'	Eucalyptus polyanthemos - Silver Dollar Gum.....	746.46	
32 93 43 00-0751	EA	10'	Eucalyptus polyanthemos - Silver Dollar Gum.....	933.08	
32 93 43 00-0752	EA	6'	Eucalyptus leucosylon - White Ironbark.....	559.84	
32 93 43 00-0753	EA	8'	Eucalyptus leucosylon - White Ironbark.....	746.46	
32 93 43 00-0754	EA	10'	Eucalyptus leucosylon - White Ironbark.....	933.08	
32 93 43 00-0755	EA	12'	Eucalyptus leucosylon - White Ironbark.....	1,119.69	
32 93 43 00-0756	EA	6'	Callistemon viminalis - Weeping Bottle Brush.....	338.77	
32 93 43 00-0757	EA	8'	Callistemon viminalis - Weeping Bottle Brush.....	451.69	
32 93 43 00-0758	EA	10'	Callistemon viminalis - Weeping Bottle Brush.....	564.62	
32 93 43 00-0759	EA	12'	Callistemon viminalis - Weeping Bottle Brush.....	677.54	
32 93 43 00-0760	EA	6'	Eucalyptus gunnii - Cider Gum.....	559.84	
32 93 43 00-0761	EA	8'	Eucalyptus gunnii - Cider Gum.....	746.46	
32 93 43 00-0762	EA	10'	Eucalyptus gunnii - Cider Gum.....	933.08	
32 93 43 00-0763	EA	6'	Jacarandra acutifolia - Jacaranda.....	559.84	
32 93 43 00-0764	EA	8'	Jacarandra acutifolia - Jacaranda.....	746.46	
32 93 43 00-0765	EA	10'	Jacarandra acutifolia - Jacaranda.....	933.08	
32 93 43 00-0766	EA	24"	Box Jacarandra acutifolia - Jacaranda.....	242.60	
32 93 43 00-0767	EA	5	Gallon Pistacia chinensis - Chinese Pistache.....	37.32	
32 93 43 00-0768	EA	15	Gallon Pistacia chinensis - Chinese Pistache.....	124.41	
32 93 43 00-0769	EA	24"	Box Pistacia chinensis - Chinese Pistache.....	483.13	
32 93 43 00-0770	EA	36"	Box Pistacia chinensis - Chinese Pistache.....	1,285.57	
32 93 43 00-0771	EA	48"	Box Pistacia chinensis - Chinese Pistache.....	2,737.02	
32 93 43 00-0772	EA	5	Gallon Pyrus kawakamii - Evergreen Pear, Single.....	23.34	
32 93 43 00-0773	EA	15	Gallon Pyrus kawakamii - Evergreen Pear, Single.....	77.79	
32 93 43 00-0774	EA	24"	Box Pyrus kawakamii - Evergreen Pear, Single.....	292.35	
32 93 43 00-0775	EA	30"	Box Pyrus kawakamii - Evergreen Pear, Single.....	534.50	
32 93 43 00-0776	EA	36"	Box Pyrus kawakamii - Evergreen Pear, Single.....	777.91	
32 93 43 00-0777	EA	5	Gallon Pyrus kawakamii - Evergreen Pear, Multi.....	23.34	
32 93 43 00-0778	EA	15	Gallon Pyrus kawakamii - Evergreen Pear, Multi.....	82.81	
32 93 43 00-0779	EA	24"	Box Pyrus kawakamii - Evergreen Pear, Multi.....	301.13	
32 93 43 00-0780	EA	30"	Box Pyrus kawakamii - Evergreen Pear, Multi.....	534.50	
32 93 43 00-0781	EA	36"	Box Pyrus kawakamii - Evergreen Pear, Multi.....	777.91	

32 93 63 Specialty Plants (32 93)

32 93 63 00-0001 Specialty Plants In Place (32 93 63)

Note: Includes plant and placement for ground cover, ornamental annuals, perennials, ornamental shrubs: standard species and varieties and trees: Eucalyptus-20 species/varieties, Melaleuca Lecadendron, Prunus Persica, Olea Eurpoa, Tristania Conferta, Podocarpus Gracilior, Bauhinia Varigata, Ulmus Parvifolia, Platanus Acerifolia, Pinus Canariensis, Pinus Pinea, Pinus Halepensis, Prunus Persica "Helen Borchert", Cinnamomum Camphora, Magnolia Grandiflora, Ficus Nitida, Ficus Retusa, Ficus Benjamina, Ginkgo Biloba, Hymenoporum Flavum, Jacaranda Mimsifolia, Etc.

32 93 63 00-0002	EA	7	Gallon Trees And Ornamental Shrubs.....	206.99	
32 93 63 00-0003	EA	10	Gallon Trees And Ornamental Shrubs.....	316.91	
32 93 63 00-0004	EA	15	Gallon Trees And Ornamental Shrubs.....	416.01	
32 93 63 00-0005	EA	20"	Box Container Trees And Ornamental Shrubs.....	541.64	
32 93 63 00-0006	EA	24"	Box Container Trees And Ornamental Shrubs.....	752.10	
32 93 63 00-0007	EA	30"	Box Container Trees.....	1,488.72	
32 93 63 00-0008	EA	36"	Box Container Trees.....	2,314.70	
32 93 63 00-0009	EA	48"	Box Container Trees.....	4,801.58	
32 93 63 00-0010	EA	60"	Box Container Trees.....	7,937.65	
32 93 63 00-0011	EA	72"	Box Container Trees.....	13,291.19	
32 93 63 00-0012	EA	1	Gallon Ground Cover, Ornamental Annuals, Perennials.....	37.21	
32 93 63 00-0013	EA	2	Gallon Ground Cover, Ornamental Annuals, Perennials.....	74.56	
32 93 63 00-0014	EA	3	Gallon Ground Cover, Ornamental Annuals, Perennials.....	86.18	
32 93 63 00-0015	EA	5	Gallon Ground Cover, Ornamental Annuals, Perennials.....	117.31	
32 93 63 00-0016	EA	"Flat"	Size Ground Cover, Ornamental Annuals, Perennials.....	117.31	

32 93 83 Planting of Trees, Shrubs and Ground Cover (32 93)

Note: Includes moving plant(s) from truck or staging site to planting site, excavation of hole, placing plant in hole, backfill and compaction. Use appropriate gallon, height or caliper size to match with description from plant section.

32 93 83 00-0001 Planting Trees (32 93 83)

Note: Excludes mulch. See CSI section 32 91 13 16-0001 for mulch.

32 93 83 00-0002	EA	3"	To 5" Bare Root Seedlings Tree Planting.....	1.40	
32 93 83 00-0003	EA	6"	To 10" Bare Root Seedlings Tree Planting.....	2.25	
32 93 83 00-0004	EA	11"	To 16" Bare Root Seedlings Tree Planting.....	2.80	
32 93 83 00-0005	EA	17"	To 24" Bare Root Seedlings Tree Planting.....	4.49	
32 93 83 00-0006	EA	1	Gallon Container Tree Planting.....	22.44	
			For >10 To 25, Deduct.....	-1.12	
			For >25 To 50, Deduct.....	-2.61	
			For >50 To 100, Deduct.....	-4.49	
			For >100, Deduct.....	-6.73	
32 93 83 00-0007	EA	2	Gallon Container Tree Planting.....	31.41	
			For >10 To 25, Deduct.....	-1.57	
			For >25 To 50, Deduct.....	-3.93	
			For >50 To 100, Deduct.....	-6.28	
			For >100, Deduct.....	-9.42	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 83 00-0008	EA	3 Gallon Container Tree Planting.....	40.38	
		For >10 To 25, Deduct	-2.02	
		For >25 To 50, Deduct	-5.05	
		For >50 To 100, Deduct	-8.08	
		For >100, Deduct	-12.11	
32 93 83 00-0009	EA	5 Gallon Container Tree Planting.....	67.31	
		For >10 To 25, Deduct	-3.37	
		For >25 To 50, Deduct	-8.41	
		For >50 To 100, Deduct	-13.46	
		For >100, Deduct	-20.19	
32 93 83 00-0010	EA	7 Gallon Container Tree Planting.....	89.73	
		For >10 To 25, Deduct	-4.49	
		For >25 To 50, Deduct	-11.22	
		For >50 To 100, Deduct	-17.95	
		For >100, Deduct	-26.92	
32 93 83 00-0011	EA	10 Gallon Container Tree Planting.....	116.66	
		For >10 To 25, Deduct	-5.83	
		For >25 To 50, Deduct	-14.58	
		For >50 To 100, Deduct	-23.33	
		For >100, Deduct	-35.00	
32 93 83 00-0012	EA	15 Gallon Container Tree Planting.....	166.01	
		For >10 To 25, Deduct	-8.30	
		For >25 To 50, Deduct	-20.75	
		For >50 To 100, Deduct	-33.20	
		For >100, Deduct	-49.80	
32 93 83 00-0013	EA	20 Gallon Container Tree Planting.....	273.69	
		For >10 To 25, Deduct	-13.68	
		For >25 To 50, Deduct	-34.21	
		For >50 To 100, Deduct	-54.74	
		For >100, Deduct	-82.11	
32 93 83 00-0014	EA	25 Gallon Container Tree Planting.....	354.45	
		For >10 To 25, Deduct	-17.72	
		For >25 To 50, Deduct	-44.31	
		For >50 To 100, Deduct	-70.89	
		For >100, Deduct	-106.34	
32 93 83 00-0015	EA	30 Gallon Container Tree Planting.....	426.24	
		For >10 To 25, Deduct	-21.31	
		For >25 To 50, Deduct	-53.28	
		For >50 To 100, Deduct	-85.25	
		For >100, Deduct	-127.87	
32 93 83 00-0016	EA	45 Gallon Container Tree Planting.....	529.44	
		For >10 To 25, Deduct	-26.47	
		For >25 To 50, Deduct	-66.18	
		For >50 To 100, Deduct	-105.89	
		For >100, Deduct	-158.83	
32 93 83 00-0017	EA	65 Gallon Container Tree Planting.....	628.14	
		For >10 To 25, Deduct	-31.41	
		For >25 To 50, Deduct	-78.52	
		For >50 To 100, Deduct	-125.63	
		For >100, Deduct	-188.44	
32 93 83 00-0018	EA	6' Balled And Burlapped Tree Planting.....	224.34	
		For >10 To 25, Deduct	-11.22	
		For >25 To 50, Deduct	-28.04	
		For >50 To 100, Deduct	-44.87	
		For >100, Deduct	-67.30	
32 93 83 00-0019	EA	7' Balled And Burlapped Tree Planting.....	298.82	
		For >10 To 25, Deduct	-14.94	
		For >25 To 50, Deduct	-37.35	
		For >50 To 100, Deduct	-59.76	
		For >100, Deduct	-89.65	
32 93 83 00-0020	EA	8' Balled And Burlapped Tree Planting.....	336.51	
		For >10 To 25, Deduct	-16.83	
		For >25 To 50, Deduct	-42.06	
		For >50 To 100, Deduct	-67.30	
		For >100, Deduct	-100.95	
32 93 83 00-0021	EA	10' Balled And Burlapped Tree Planting.....	392.59	
		For >10 To 25, Deduct	-19.63	
		For >25 To 50, Deduct	-49.07	
		For >50 To 100, Deduct	-78.52	
		For >100, Deduct	-117.78	
32 93 83 00-0022	EA	12' Balled And Burlapped Tree Planting.....	524.95	
		For >10 To 25, Deduct	-26.25	
		For >25 To 50, Deduct	-65.62	
		For >50 To 100, Deduct	-104.99	
		For >100, Deduct	-157.49	
32 93 83 00-0023	EA	14' Balled And Burlapped Tree Planting.....	601.23	
		For >10 To 25, Deduct	-30.06	
		For >25 To 50, Deduct	-75.15	
		For >50 To 100, Deduct	-120.25	
		For >100, Deduct	-180.37	
32 93 83 00-0024	EA	16' Balled And Burlapped Tree Planting.....	729.10	
		For >10 To 25, Deduct	-36.46	
		For >25 To 50, Deduct	-91.14	
		For >50 To 100, Deduct	-145.82	
		For >100, Deduct	-218.73	
32 93 83 00-0025	EA	18' Balled And Burlapped Tree Planting.....	874.92	
		For >10 To 25, Deduct	-43.75	
		For >25 To 50, Deduct	-109.37	
		For >50 To 100, Deduct	-174.98	
		For >100, Deduct	-262.48	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 83 00-0026	EA	20' Balled And Burlapped Tree Planting	1,009.52	
		For >10 To 25, Deduct	-50.48	
		For >25 To 50, Deduct	-126.19	
		For >50 To 100, Deduct	-201.90	
		For >100, Deduct	-302.86	
32 93 83 00-0027	EA	1-1/2" Caliper Balled And Burlapped Tree Planting	336.51	
		For >10 To 25, Deduct	-16.83	
		For >25 To 50, Deduct	-42.06	
		For >50 To 100, Deduct	-67.30	
		For >100, Deduct	-100.95	
32 93 83 00-0028	EA	2" Caliper Balled And Burlapped Tree Planting	392.59	
		For >10 To 25, Deduct	-19.63	
		For >25 To 50, Deduct	-49.07	
		For >50 To 100, Deduct	-78.52	
		For >100, Deduct	-117.78	
32 93 83 00-0029	EA	2-1/2" Caliper Balled And Burlapped Tree Planting	527.19	
		For >10 To 25, Deduct	-26.36	
		For >25 To 50, Deduct	-65.90	
		For >50 To 100, Deduct	-105.44	
		For >100, Deduct	-158.16	
32 93 83 00-0030	EA	3" Caliper Balled And Burlapped Tree Planting	605.71	
		For >10 To 25, Deduct	-30.29	
		For >25 To 50, Deduct	-75.71	
		For >50 To 100, Deduct	-121.14	
		For >100, Deduct	-181.71	
32 93 83 00-0031	EA	3-1/2" Caliper Balled And Burlapped Tree Planting	673.01	
		For >10 To 25, Deduct	-33.65	
		For >25 To 50, Deduct	-84.13	
		For >50 To 100, Deduct	-134.60	
		For >100, Deduct	-201.90	
32 93 83 00-0032	EA	4" Caliper Balled And Burlapped Tree Planting	771.71	
		For >10 To 25, Deduct	-38.59	
		For >25 To 50, Deduct	-96.46	
		For >50 To 100, Deduct	-154.34	
		For >100, Deduct	-231.51	
32 93 83 00-0033	EA	24" Box Container Tree Planting	116.66	
		For >10 To 25, Deduct	-5.83	
		For >25 To 50, Deduct	-14.58	
		For >50 To 100, Deduct	-23.33	
		For >100, Deduct	-35.00	
32 93 83 00-0034	EA	36" Box Container Tree Planting	354.45	
		For >10 To 25, Deduct	-17.72	
		For >25 To 50, Deduct	-44.31	
		For >50 To 100, Deduct	-70.89	
		For >100, Deduct	-106.34	
32 93 83 00-0035	EA	48" Box Container Tree Planting	628.14	
		For >10 To 25, Deduct	-31.41	
		For >25 To 50, Deduct	-78.52	
		For >50 To 100, Deduct	-125.63	
		For >100, Deduct	-188.44	
32 93 83 00-0036	EA	60" Box Container Tree Planting	744.80	
		For >10 To 25, Deduct	-37.24	
		For >25 To 50, Deduct	-93.10	
		For >50 To 100, Deduct	-148.96	
		For >100, Deduct	-223.44	
32 93 83 00-0037	EA	72" Box Container Tree Planting	897.35	
		For >10 To 25, Deduct	-44.87	
		For >25 To 50, Deduct	-112.17	
		For >50 To 100, Deduct	-179.47	
		For >100, Deduct	-269.21	
32 93 83 00-0038		Planting Shrubs (32 93 83)		
		Note: Excludes mulch. See CSI section 32 91 13 16-0001 for mulch.		
32 93 83 00-0039	EA	1 Gallon Container Shrub Planting	19.08	
		For >10 To 25, Deduct	-0.95	
		For >25 To 50, Deduct	-2.39	
		For >50 To 100, Deduct	-3.82	
		For >100, Deduct	-5.72	
32 93 83 00-0040	EA	2 Gallon Container Shrub Planting	26.92	
		For >10 To 25, Deduct	-1.35	
		For >25 To 50, Deduct	-3.37	
		For >50 To 100, Deduct	-5.38	
		For >100, Deduct	-8.08	
32 93 83 00-0041	EA	3 Gallon Container Shrub Planting	33.65	
		For >10 To 25, Deduct	-1.68	
		For >25 To 50, Deduct	-4.21	
		For >50 To 100, Deduct	-6.73	
		For >100, Deduct	-10.10	
32 93 83 00-0042	EA	4 Gallon Container Shrub Planting	44.87	
		For >10 To 25, Deduct	-2.24	
		For >25 To 50, Deduct	-5.61	
		For >50 To 100, Deduct	-8.97	
		For >100, Deduct	-13.46	
32 93 83 00-0043	EA	5 Gallon Container Shrub Planting	56.09	
		For >10 To 25, Deduct	-2.80	
		For >25 To 50, Deduct	-7.01	
		For >50 To 100, Deduct	-11.22	
		For >100, Deduct	-16.83	

32 Exterior Improvements**32 90 Planting****32 93 Plants**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 93 83 00-0044	EA	7 Gallon Container Shrub Planting	76.28	
		For>10 To 25, Deduct	-3.81	
		For>25 To 50, Deduct	-9.54	
		For>50 To 100, Deduct	-15.26	
		For>100, Deduct	-22.88	
32 93 83 00-0045	EA	10 Gallon Container Shrub Planting	100.95	
		For>10 To 25, Deduct	-5.05	
		For>25 To 50, Deduct	-12.62	
		For>50 To 100, Deduct	-20.19	
		For>100, Deduct	-30.29	
32 93 83 00-0046	EA	15 Gallon Container Shrub Planting	139.09	
		For>10 To 25, Deduct	-6.95	
		For>25 To 50, Deduct	-17.39	
		For>50 To 100, Deduct	-27.82	
		For>100, Deduct	-41.73	
32 93 83 00-0047	EA	20 Gallon Container Shrub Planting	233.31	
		For>10 To 25, Deduct	-11.67	
		For>25 To 50, Deduct	-29.16	
		For>50 To 100, Deduct	-46.66	
		For>100, Deduct	-69.99	
32 93 83 00-0048	EA	25 Gallon Container Shrub Planting	298.82	
		For>10 To 25, Deduct	-14.94	
		For>25 To 50, Deduct	-37.35	
		For>50 To 100, Deduct	-59.76	
		For>100, Deduct	-89.65	
32 93 83 00-0049	EA	15" Balled And Burlapped Shrub Planting	62.81	
		For>10 To 25, Deduct	-3.14	
		For>25 To 50, Deduct	-7.85	
		For>50 To 100, Deduct	-12.56	
		For>100, Deduct	-18.84	
32 93 83 00-0050	EA	18" Balled And Burlapped Shrub Planting	65.06	
		For>10 To 25, Deduct	-3.25	
		For>25 To 50, Deduct	-8.13	
		For>50 To 100, Deduct	-13.01	
		For>100, Deduct	-19.52	
32 93 83 00-0051	EA	24" Balled And Burlapped Shrub Planting	71.79	
		For>10 To 25, Deduct	-3.59	
		For>25 To 50, Deduct	-8.97	
		For>50 To 100, Deduct	-14.36	
		For>100, Deduct	-21.54	
32 93 83 00-0052	EA	30" Balled And Burlapped Shrub Planting	71.79	
		For>10 To 25, Deduct	-3.59	
		For>25 To 50, Deduct	-8.97	
		For>50 To 100, Deduct	-14.36	
		For>100, Deduct	-21.54	
32 93 83 00-0053	EA	36" Balled And Burlapped Shrub Planting	78.52	
		For>10 To 25, Deduct	-3.93	
		For>25 To 50, Deduct	-9.82	
		For>50 To 100, Deduct	-15.70	
		For>100, Deduct	-23.56	
32 93 83 00-0054	EA	42" Balled And Burlapped Shrub Planting	83.00	
		For>10 To 25, Deduct	-4.15	
		For>25 To 50, Deduct	-10.38	
		For>50 To 100, Deduct	-16.60	
		For>100, Deduct	-24.90	
32 93 83 00-0055	EA	48" Balled And Burlapped Shrub Planting	89.73	
		For>10 To 25, Deduct	-4.49	
		For>25 To 50, Deduct	-11.22	
		For>50 To 100, Deduct	-17.95	
		For>100, Deduct	-26.92	
32 93 83 00-0056	EA	5' Balled And Burlapped Shrub Planting	134.60	
		For>10 To 25, Deduct	-6.73	
		For>25 To 50, Deduct	-16.83	
		For>50 To 100, Deduct	-26.92	
		For>100, Deduct	-40.38	
32 93 83 00-0057	EA	6' Balled And Burlapped Shrub Planting	190.69	
		For>10 To 25, Deduct	-9.53	
		For>25 To 50, Deduct	-23.84	
		For>50 To 100, Deduct	-38.14	
		For>100, Deduct	-57.21	
32 93 83 00-0058	EA	7' Balled And Burlapped Shrub Planting	253.50	
		For>10 To 25, Deduct	-12.68	
		For>25 To 50, Deduct	-31.69	
		For>50 To 100, Deduct	-50.70	
		For>100, Deduct	-76.05	
32 93 83 00-0059	EA	8' Balled And Burlapped Shrub Planting	287.15	
		For>10 To 25, Deduct	-14.36	
		For>25 To 50, Deduct	-35.89	
		For>50 To 100, Deduct	-57.43	
		For>100, Deduct	-86.15	
32 93 83 00-0060	EA	9' Balled And Burlapped Shrub Planting	309.59	
		For>10 To 25, Deduct	-15.48	
		For>25 To 50, Deduct	-38.70	
		For>50 To 100, Deduct	-61.92	
		For>100, Deduct	-92.88	
32 93 83 00-0061	EA	10' Balled And Burlapped Shrub Planting	336.51	
		For>10 To 25, Deduct	-16.83	
		For>25 To 50, Deduct	-42.06	
		For>50 To 100, Deduct	-67.30	
		For>100, Deduct	-100.95	

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 83 00-0062 Planting Groundcover, Vines, Perennials, Annuals And Bulbs (32 93 83)

See CSI section 32 91 13 16-0001 for mulch.

32 93 83 00-0063	EA 2-1/4" Diameter Potted Groundcover And Flower Planting.....	1.87	
	For >10 To 25, Deduct	-0.09	
	For >25 To 50, Deduct	-0.23	
	For >50 To 100, Deduct	-0.37	
	For >100, Deduct	-0.56	
32 93 83 00-0064	EA 3" Diameter Potted Groundcover And Flower Planting.....	2.14	
	For >10 To 25, Deduct	-0.11	
	For >25 To 50, Deduct	-0.27	
	For >50 To 100, Deduct	-0.43	
	For >100, Deduct	-0.64	
32 93 83 00-0065	EA 4" Diameter Potted Groundcover And Flower Planting.....	2.49	
	For >10 To 25, Deduct	-0.12	
	For >25 To 50, Deduct	-0.31	
	For >50 To 100, Deduct	-0.50	
	For >100, Deduct	-0.75	
32 93 83 00-0066	EA 5-1/2" Diameter Potted Groundcover And Flower Planting.....	2.99	
	For >10 To 25, Deduct	-0.15	
	For >25 To 50, Deduct	-0.37	
	For >50 To 100, Deduct	-0.60	
	For >100, Deduct	-0.90	
32 93 83 00-0067	EA 6" Diameter Potted Groundcover And Flower Planting.....	3.74	
	For >10 To 25, Deduct	-0.19	
	For >25 To 50, Deduct	-0.47	
	For >50 To 100, Deduct	-0.75	
	For >100, Deduct	-1.12	
32 93 83 00-0068	EA 8" Diameter Potted Groundcover And Flower Planting.....	5.61	
	For >10 To 25, Deduct	-0.28	
	For >25 To 50, Deduct	-0.70	
	For >50 To 100, Deduct	-1.12	
	For >100, Deduct	-1.68	
32 93 83 00-0069	EA 1 Gallon Container Groundcover And Flower Planting.....	17.94	
	For >10 To 25, Deduct	-0.90	
	For >25 To 50, Deduct	-2.24	
	For >50 To 100, Deduct	-3.59	
	For >100, Deduct	-5.38	
32 93 83 00-0070	EA 2 Gallon Container Groundcover And Flower Planting.....	24.68	
	For >10 To 25, Deduct	-1.23	
	For >25 To 50, Deduct	-3.09	
	For >50 To 100, Deduct	-4.94	
	For >100, Deduct	-7.40	
32 93 83 00-0071	EA 3 Gallon Container Groundcover And Flower Planting.....	31.41	
	For >10 To 25, Deduct	-1.57	
	For >25 To 50, Deduct	-3.93	
	For >50 To 100, Deduct	-6.28	
	For >100, Deduct	-9.42	
32 93 83 00-0072	EA 4 Gallon Container Groundcover And Flower Planting.....	40.38	
	For >10 To 25, Deduct	-2.02	
	For >25 To 50, Deduct	-5.05	
	For >50 To 100, Deduct	-8.08	
	For >100, Deduct	-12.11	
32 93 83 00-0073	EA 5 Gallon Container Groundcover And Flower Planting.....	49.35	
	For >10 To 25, Deduct	-2.47	
	For >25 To 50, Deduct	-6.17	
	For >50 To 100, Deduct	-9.87	
	For >100, Deduct	-14.81	
32 93 83 00-0074	EA 7 Gallon Container Groundcover And Flower Planting.....	67.31	
	For >10 To 25, Deduct	-3.37	
	For >25 To 50, Deduct	-8.41	
	For >50 To 100, Deduct	-13.46	
	For >100, Deduct	-20.19	
32 93 83 00-0075	EA Bulb Planting.....	1.12	
	For >10 To 25, Deduct	-0.06	
	For >25 To 50, Deduct	-0.14	
	For >50 To 100, Deduct	-0.22	
	For >100, Deduct	-0.34	
32 93 83 00-0076	EA Flats Of 24 Groundcover And Flower Planting.....	31.41	
	For >10 To 25, Deduct	-1.57	
	For >25, Deduct	-3.93	
32 93 83 00-0077	EA Flats Of 36 Groundcover And Flower Planting.....	44.55	
	For >10 To 25, Deduct	-2.23	
	For >25, Deduct	-5.57	
32 93 83 00-0078	EA Flats Of 48 Groundcover And Flower Planting.....	59.31	
	For >10 To 25, Deduct	-2.97	
	For >25, Deduct	-7.41	

32 93 83 00-0079 Tree Pits (32 93 83)

Note: Costs given show the tree pit size accommodates the soil ball and the type of soil excavated includes excavation, bank run sand and gravel fill for drainage, imported mix planting soil, hand backfill, perforated drainage pipe for watering, and drainage fabric. Includes one layer of woven fabric to be applied before mulch is spread. Excludes additional soil conditioners or mulch.

32 93 83 00-0080	EA 2' x 1-1/4' Deep Tree Pit.....	130.92	
32 93 83 00-0081	EA 2' x 2-1/2' Deep Tree Pit.....	196.34	
32 93 83 00-0082	EA 2-1/2' x 1-1/2' Deep Tree Pit.....	253.24	
32 93 83 00-0083	EA 2-1/2' x 3' Deep Tree Pit.....	379.80	
32 93 83 00-0084	EA 3' x 1-3/4' Deep Tree Pit.....	391.54	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 83 00-0085	EA	3' x 3-1/2' Deep Tree Pit	584.37	
32 93 83 00-0086	EA	3-1/2' x 1-3/4' Deep Tree Pit	480.19	
32 93 83 00-0087	EA	3-1/2' x 3-1/2' Deep Tree Pit	719.31	
32 93 83 00-0088	EA	4' x 2' Deep Tree Pit	574.13	
32 93 83 00-0089	EA	4' x 4' Deep Tree Pit	860.74	
32 93 83 00-0090	EA	4-1/2' x 2' Deep Tree Pit	827.17	
32 93 83 00-0091	EA	4-1/2' x 4' Deep Tree Pit	1,243.11	
32 93 83 00-0092	EA	5' x 2-1/4' Deep Tree Pit	1,100.21	
32 93 83 00-0093	EA	5' x 4-1/2' Deep Tree Pit	1,639.10	
32 93 83 00-0094	EA	6' x 2-1/2' Deep Tree Pit	1,560.27	
32 93 83 00-0095	EA	6' x 5' Deep Tree Pit	2,337.05	
32 93 83 00-0096	EA	7' x 3' Deep Tree Pit	2,628.90	
32 93 83 00-0097	EA	7' x 6' Deep Tree Pit	3,963.78	
32 93 83 00-0098	EA	8' x 3-1/4' Deep Tree Pit	3,616.20	
32 93 83 00-0099	EA	8' x 6-1/2' Deep Tree Pit	5,422.06	

32 94 Planting Accessories (32 90)**32 94 13 Landscape Edging** (32 94)

Note: Including stakes.

32 94 13 00-0001 Landscape Edging (32 94 13)

Note: Includes stakes.

32 94 13 00-0002	LF	6" Poly/Vinyl Landscape Edging With Non-Round Top	6.02	1.15
For >2,000 To 5,000 LF, Deduct			-0.37	
For >5,000 LF, Deduct			-0.74	
32 94 13 00-0003	LF	5" Polyethylene Landscape Edging With Round Top	3.47	1.15
For >2,000 To 5,000 LF, Deduct			-0.12	
For >5,000 LF, Deduct			-0.23	
32 94 13 00-0004	LF	5-1/2" Polyethylene Landscape Edging With Round Top	3.53	1.15
For >2,000 To 5,000 LF, Deduct			-0.12	
For >5,000 LF, Deduct			-0.25	
32 94 13 00-0005	LF	5" Polyethylene Landscape Edging With Corrugated Sides And Round Top	3.57	1.15
For >2,000 To 5,000 LF, Deduct			-0.13	
For >5,000 LF, Deduct			-0.25	
32 94 13 00-0006	LF	1/8" x 4", Mill Finish, Aluminum Alloy Landscape Edging	10.18	2.72
For >1,000 LF, Deduct			-1.19	
32 94 13 00-0007	LF	1/8" x 4", Black Paint, Aluminum Alloy Landscape Edging	11.16	2.72
For >1,000 LF, Deduct			-1.43	
32 94 13 00-0008	LF	1/8" x 4", Black Anodized, Aluminum Alloy Landscape Edging	11.23	2.72
For >1,000 LF, Deduct			-1.45	
32 94 13 00-0009	LF	3/16" x 4", Mill Finish, Aluminum Alloy Landscape Edging	12.93	2.81
For >1,000 LF, Deduct			-1.84	
32 94 13 00-0010	LF	3/16" x 4", Black Paint, Aluminum Alloy Landscape Edging	14.14	2.81
For >1,000 LF, Deduct			-2.14	
32 94 13 00-0011	LF	3/16" x 4", Black Anodized, Aluminum Alloy Landscape Edging	14.12	2.81
For >1,000 LF, Deduct			-2.14	
32 94 13 00-0012	LF	1/8" x 5-1/2", Mill Finish, Aluminum Alloy Landscape Edging	11.46	2.90
For >1,000 LF, Deduct			-1.43	
32 94 13 00-0013	LF	1/8" x 5-1/2", Black Paint, Aluminum Alloy Landscape Edging	12.81	2.90
For >1,000 LF, Deduct			-1.77	
32 94 13 00-0014	LF	1/8" x 5-1/2", Black Anodized, Aluminum Alloy Landscape Edging	12.94	2.90
For >1,000 LF, Deduct			-1.80	
32 94 13 00-0015	LF	3/16" x 5-1/2", Mill Finish, Aluminum Alloy Landscape Edging	14.61	2.99
For >1,000 LF, Deduct			-2.18	
32 94 13 00-0016	LF	3/16" x 5-1/2", Black Paint, Aluminum Alloy Landscape Edging	15.96	2.99
For >1,000 LF, Deduct			-2.52	
32 94 13 00-0017	LF	3/16" x 5-1/2", Black Anodized, Aluminum Alloy Landscape Edging	16.07	2.99
For >1,000 LF, Deduct			-2.55	
32 94 13 00-0018	LF	1/8" x 4" Powder Coated Steel Landscape Edging	10.85	2.81
For >1,000 LF, Deduct			-1.31	
32 94 13 00-0019	LF	3/16" x 4" Powder Coated Steel Landscape Edging	12.83	2.81
For >1,000 LF, Deduct			-1.80	
32 94 13 00-0020	LF	1/4" x 5" Powder Coated Steel Landscape Edging	18.15	2.81
For >1,000 LF, Deduct			-3.13	
32 94 13 00-0021	LF	4" x 9" Concrete Band	15.80	5.79
32 94 13 00-0022	LF	1/2" x 4", Recycled Plastic Landscape Edging (Bend-A-Board)	8.04	2.72
For >1,000 LF, Deduct			-0.65	
32 94 13 00-0023	LF	1" x 4", Recycled Plastic Landscape Edging (Bend-A-Board)	9.22	2.72
For >1,000 LF, Deduct			-0.95	
32 94 13 00-0024	LF	1" x 6", Recycled Plastic Landscape Edging (Bend-A-Board)	10.25	2.72
For >1,000 LF, Deduct			-1.21	
32 94 13 00-0025	LF	2" x 4", Recycled Plastic Landscape Edging (Bend-A-Board)	10.47	2.72
For >1,000 LF, Deduct			-1.26	

32 94 13 00-0026 Concrete Band, Cast In Place (32 94 13)

Note: Includes delivered concrete, forms, rebar, chairs (where necessary), expansion joints, finish and curing.

32 94 13 00-0027	LF	6" x 4" Concrete Band	19.02	9.85
Note: Excludes base course.				
For Up To 20, Add			11.53	
For >20 To 50, Add			6.54	
For >50 To 100, Add			2.50	
For >500 To 1,000, Deduct			-2.50	
For >1,000, Deduct			-4.22	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 94 13 00-0028	LF		6" x 6" Concrete Band Note: Excludes base course.	22.58	11.59
			For Up To 20, Add	13.79	
			For >20 To 50, Add	7.82	
			For >50 To 100, Add	2.98	
			For >500 To 1,000, Deduct	-2.98	
			For >1,000, Deduct	-5.04	
32 94 13 00-0029	LF		8" x 6" Concrete Band Note: Excludes base course.	25.96	133.26
			For Up To 20, Add	15.91	
			For >20 To 50, Add	9.03	
			For >50 To 100, Add	3.44	
			For >500 To 1,000, Deduct	-3.44	
			For >1,000, Deduct	-5.81	
32 94 13 00-0030	LF		10" x 6" Concrete Band Note: Excludes base course.	28.75	144.85
			For Up To 20, Add	17.63	
			For >20 To 50, Add	10.00	
			For >50 To 100, Add	3.81	
			For >500 To 1,000, Deduct	-3.81	
			For >1,000, Deduct	-6.44	
32 94 13 00-0031	LF		12" x 6" Concrete Band Note: Excludes base course.	29.81	15.07
			For Up To 20, Add	18.13	
			For >20 To 50, Add	10.28	
			For >50 To 100, Add	3.92	
			For >500 To 1,000, Deduct	-3.92	
			For >1,000, Deduct	-6.63	

32 94 16 Landscape Timbers (32 94)

32 94 16 00-0001	LF	1" x 4" Redwood Edging	5.57	1.87
32 94 16 00-0002	LF	2" x 4" Redwood Edging	7.65	2.81
32 94 16 00-0003	LF	4" x 6" Pressure Treated Hardwood	10.60	3.74
32 94 16 00-0004	LF	6" x 6" Pressure Treated Hardwood	13.79	4.67
32 94 16 00-0005	LF	6" x 8" Pressure Treated Hardwood	16.09	5.49
32 94 16 00-0006	LF	1" x 4" Pressure Treated Pine	4.28	1.87
32 94 16 00-0007	LF	2" x 4" Pressure Treated Pine	6.46	2.81
32 94 16 00-0008	LF	4" x 6" Pressure Treated Pine	10.07	3.62
32 94 16 00-0009	LF	6" x 6" Pressure Treated Pine	13.69	4.67
32 94 16 00-0010	LF	6" x 8" Pressure Treated Pine	16.71	5.49
32 94 16 00-0011	LF	6" x 8" Railroad Ties	15.99	5.27
32 94 16 00-0012	LF	7" x 9" Railroad Ties	19.27	6.62

32 94 23 Plant Protection (32 94)

32 94 23 00-0001	SF	Tree Trunk Protection - Hardware Cloth 1/4" Mesh, 23 Gauge	2.59	
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32 94 43 Tree Grates (32 94)
32 94 43 00-0001 Tree Grates With Frames (32 94 43)
32 94 43 00-0002 Round Cast Iron Tree Grates With Frames (32 94 43 00-0001)

32 94 43 00-0003	EA	32" Diameter, 100 To 150 Lb., Cast Iron Tree Grate With Frame	1,096.10	69.60
		For >3 To 9, Deduct	-71.77	
		For >9, Deduct	-148.32	
32 94 43 00-0004	EA	36" Diameter, 125 To 175 Lb., Cast Iron Tree Grate With Frame	1,270.06	69.60
		For >3 To 9, Deduct	-84.81	
		For >9, Deduct	-175.28	
32 94 43 00-0005	EA	42" Diameter, 150 To 200 Lb., Cast Iron Tree Grate With Frame	1,533.94	92.81
		For >3 To 9, Deduct	-101.12	
		For >9, Deduct	-208.99	
32 94 43 00-0006	EA	48" Diameter, 200 To 250 Lb., Cast Iron Tree Grate With Frame	1,912.60	92.81
		For >3 To 9, Deduct	-129.52	
		For >9, Deduct	-267.68	
32 94 43 00-0007	EA	54" Diameter, 300 To 350 Lb., Cast Iron Tree Grate With Frame	2,452.79	116.01
		For >3 To 9, Deduct	-166.56	
		For >9, Deduct	-344.22	
32 94 43 00-0008	EA	60" Diameter, Up To 350 Lb., Cast Iron Tree Grate With Frame	2,570.82	139.20
		For >3 To 9, Deduct	-171.93	
		For >9, Deduct	-355.33	
32 94 43 00-0009	EA	60" Diameter, >350 Lb., Cast Iron Tree Grate With Frame	2,834.34	139.20
		For >3 To 9, Deduct	-191.70	
		For >9, Deduct	-396.17	
32 94 43 00-0010	EA	72" Diameter, Up To 550 Lb., Cast Iron Tree Grate With Frame	3,771.63	197.21
		For >3 To 9, Deduct	-253.29	
		For >9, Deduct	-523.47	
32 94 43 00-0011	EA	72" Diameter, >500 To 550 Lb., Cast Iron Tree Grate With Frame	3,925.14	197.21
		For >3 To 9, Deduct	-264.60	
		For >9, Deduct	-547.26	
32 94 43 00-0012	EA	72" Diameter, >600 To 650 Lb., Cast Iron Tree Grate With Frame	4,053.07	197.21
		For >3 To 9, Deduct	-274.40	
		For >9, Deduct	-567.09	
32 94 43 00-0013	EA	72" Diameter, >650 To 700 Lb., Cast Iron Tree Grate With Frame	4,155.41	197.21
		For >3 To 9, Deduct	-282.08	
		For >9, Deduct	-582.96	

32 Exterior Improvements**32 90 Planting****32 94 Planting Accessories**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
32 94 43 00-0014	EA	72" Diameter, >700 Lb., Cast Iron Tree Grate With Frame	4,232.16	197.21
		For >3 To 9, Deduct	-287.83	
		For >9, Deduct	-594.85	
32 94 43 00-0015	EA	93" Diameter, 950 To 1,000 Lb., Cast Iron Tree Grate With Frame	4,639.49	232.01
		For >3 To 9, Deduct	-313.16	
		For >9, Deduct	-647.20	
32 94 43 00-0016 Square Cast Iron Tree Grates With Frames (32 94 43 00-0001)				
32 94 43 00-0017	EA	30" x 30", 75 To 125 Lb., Cast Iron Tree Grate With Frame	1,009.09	69.60
		For >3 To 9, Deduct	-65.24	
		For >9, Deduct	-134.83	
32 94 43 00-0018	EA	36" x 36", 100 To 150 Lb., Cast Iron Tree Grate With Frame	1,226.56	69.60
		For >3 To 9, Deduct	-81.55	
		For >9, Deduct	-168.54	
32 94 43 00-0019	EA	48" x 48", Up To 200 Lb., Cast Iron Tree Grate With Frame	1,818.28	116.01
		For >3 To 9, Deduct	-118.97	
		For >9, Deduct	-245.87	
32 94 43 00-0020	EA	48" x 48", >200 To 250 Lb., Cast Iron Tree Grate With Frame	2,150.89	116.01
		For >3 To 9, Deduct	-143.92	
		For >9, Deduct	-297.43	
32 94 43 00-0021	EA	48" x 48", >250 To 300 Lb., Cast Iron Tree Grate With Frame	2,457.91	116.01
		For >3 To 9, Deduct	-166.94	
		For >9, Deduct	-345.01	
32 94 43 00-0022	EA	48" x 48", >300 To 350 Lb., Cast Iron Tree Grate With Frame	2,739.34	116.01
		For >3 To 9, Deduct	-188.05	
		For >9, Deduct	-388.64	
32 94 43 00-0023	EA	48" x 48", >350 To 400 Lb., Cast Iron Tree Grate With Frame	2,995.19	116.01
		For >3 To 9, Deduct	-207.24	
		For >9, Deduct	-428.29	
32 94 43 00-0024	EA	48" x 48", >400 Lb., Cast Iron Tree Grate With Frame	3,225.45	116.01
		For >3 To 9, Deduct	-224.51	
		For >9, Deduct	-463.98	
32 94 43 00-0025	EA	60" x 60", Up To 400 Lb., Cast Iron Tree Grate With Frame	3,088.00	162.41
		For >3 To 9, Deduct	-207.24	
		For >9, Deduct	-428.29	
32 94 43 00-0026	EA	60" x 60", >400 To 450 Lb., Cast Iron Tree Grate With Frame	3,318.26	162.41
		For >3 To 9, Deduct	-224.51	
		For >9, Deduct	-463.98	
32 94 43 00-0027	EA	60" x 60", >450 To 500 Lb., Cast Iron Tree Grate With Frame	3,522.94	162.41
		For >3 To 9, Deduct	-239.86	
		For >9, Deduct	-495.71	
32 94 43 00-0028	EA	60" x 60", >500 To 550 Lb., Cast Iron Tree Grate With Frame	3,702.04	162.41
		For >3 To 9, Deduct	-253.29	
		For >9, Deduct	-523.47	
32 94 43 00-0029	EA	60" x 60", >550 To 600 Lb., Cast Iron Tree Grate With Frame	3,855.55	162.41
		For >3 To 9, Deduct	-264.80	
		For >9, Deduct	-547.26	
32 94 43 00-0030	EA	60" x 60", >600 Lb., Cast Iron Tree Grate With Frame	3,983.48	162.41
		For >3 To 9, Deduct	-274.40	
		For >9, Deduct	-567.09	
32 94 43 00-0031	EA	72" x 72", Up To 550 Lb., Cast Iron Tree Grate With Frame	3,771.63	197.21
		For >3 To 9, Deduct	-253.29	
		For >9, Deduct	-523.47	
32 94 43 00-0032	EA	72" x 72", >550 To 600 Lb., Cast Iron Tree Grate With Frame	3,925.14	197.21
		For >3 To 9, Deduct	-264.80	
		For >9, Deduct	-547.26	
32 94 43 00-0033	EA	72" x 72", >600 To 650 Lb., Cast Iron Tree Grate With Frame	4,053.07	197.21
		For >3 To 9, Deduct	-274.40	
		For >9, Deduct	-567.09	
32 94 43 00-0034	EA	72" x 72", >650 To 700 Lb., Cast Iron Tree Grate With Frame	4,155.41	197.21
		For >3 To 9, Deduct	-282.08	
		For >9, Deduct	-582.96	
32 94 43 00-0035	EA	72" x 72", >700 To 750 Lb., Cast Iron Tree Grate With Frame	4,232.16	197.21
		For >3 To 9, Deduct	-287.83	
		For >9, Deduct	-594.85	
32 94 43 00-0036	EA	72" x 72", >750 To 800 Lb., Cast Iron Tree Grate With Frame	4,283.33	197.21
		For >3 To 9, Deduct	-291.67	
		For >9, Deduct	-602.78	
32 94 43 00-0037	EA	72" x 72", >800 To 850 Lb., Cast Iron Tree Grate With Frame	4,308.91	197.21
		For >3 To 9, Deduct	-293.59	
		For >9, Deduct	-606.75	
32 94 43 00-0038	EA	72" x 72", >850 Lb., Cast Iron Tree Grate With Frame	4,334.50	197.21
		For >3 To 9, Deduct	-295.51	
		For >9, Deduct	-610.71	
32 94 43 00-0039 Rectangular Cast Iron Tree Grates With Frames (32 94 43 00-0001)				
32 94 43 00-0040	EA	36" x 48", 200 To 250 Lb., Cast Iron Tree Grate With Frame	1,912.60	92.81
		For >3 To 9, Deduct	-129.52	
		For >9, Deduct	-267.68	
32 94 43 00-0041	EA	36" x 60", 200 To 250 Lb., Cast Iron Tree Grate With Frame	1,950.97	92.81
		For >3 To 9, Deduct	-132.40	
		For >9, Deduct	-273.63	
32 94 43 00-0042	EA	36" x 72", 275 To 325 Lb., Cast Iron Tree Grate With Frame	2,383.71	116.01
		For >3 To 9, Deduct	-161.38	
		For >9, Deduct	-333.51	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 94 43 00-0043	EA	48" x 72", Up To 350 Lb., Cast Iron Tree Grate With Frame.....	2,810.98	116.01
		For >3 To 9, Deduct	-193.42	
		For >9, Deduct	-399.74	
32 94 43 00-0044	EA	48" x 72", >350 Lb., Cast Iron Tree Grate With Frame	2,995.19	116.01
		For >3 To 9, Deduct	-207.24	
		For >9, Deduct	-428.29	
32 94 43 00-0045	EA	60" x 84", 700 To 750 Lb., Cast Iron Tree Grate With Frame	4,001.89	197.21
		For >3 To 9, Deduct	-270.56	
		For >9, Deduct	-559.16	

32 94 49 Plant and Tree Accessories (32 94)

32 94 49 00-0001 Tree Guying (32 94 49)

32 94 49 00-0002 Tree Guying, Stakes (32 94 49 00-0001)

Note: Includes stakes, cross brace, double #12 gauge twisted wire and reinforced rubber hose tree wrap.

32 94 49 00-0003	EA	Tree Guying Up To 2" Caliper, 2 Stakes, Guy Wire And Wrap	25.04	
32 94 49 00-0004	EA	Tree Guying 2" To 3" Caliper, 2 Stakes, Guy Wire And Wrap	44.22	
32 94 49 00-0005	EA	Tree Guying 3" To 4" Caliper, 3 Stakes, Guy Wire And Wrap	76.05	

32 94 49 00-0006 Tree Guying, Anchors (32 94 49 00-0001)

Note: Includes arrowhead anchor, cable, turnbuckles and wrap or reinforced rubber hose.

32 94 49 00-0007	EA	Tree Guying Up To 3" Caliper, 3" Anchors And Polypropylene Flat Rope	105.81	
32 94 49 00-0008	EA	Tree Guying 3" To 6" Caliper, 4" Anchors And Polypropylene Flat Rope	142.80	
32 94 49 00-0009	EA	Tree Guying 6" To 8" Caliper, 6" Anchors And Polypropylene Flat Rope	183.14	
32 94 49 00-0010	EA	Tree Guying 8" And Up Caliper, 8" Anchors And Polypropylene Flat Rope	236.22	

32 94 49 00-0011 Tree Wrap (32 94 49)

32 94 49 00-0012	EA	Tree Wrap, Up To 1" Caliper Applied Ground Level To First Branches Of Tree	6.86	
32 94 49 00-0013	EA	Tree Wrap, 1" To 2" Caliper Applied Ground Level To First Branches Of Tree	11.47	
32 94 49 00-0014	EA	Tree Wrap, >2" To 4" Caliper Applied Ground Level To First Branches Of Tree	22.83	
32 94 49 00-0015	EA	Tree Wrap, >4" To 6" Caliper Applied Ground Level To First Branches Of Tree	35.62	

32 94 49 00-0016 Tree Guards (32 94 49)

32 94 49 00-0017	EA	3' Preformed Plastic Tree Guard	12.41	
32 94 49 00-0018	EA	2' Preformed Plastic Tree Guard	11.11	

32 94 49 00-0019 Stake Out Tree And Shrub Locations (32 94 49)

Note: When no design available.

32 94 49 00-0020	EA	Stake Out Trees Or Shrubs	7.16	
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32 94 49 00-0021 Root Barriers (32 94 49)

32 94 49 00-0022	EA	12" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner.....	12.82	
32 94 49 00-0023	EA	18" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner.....	18.34	
32 94 49 00-0024	EA	24" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner.....	21.71	
32 94 49 00-0025	EA	36" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner.....	41.07	
32 94 49 00-0026	EA	48" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner.....	56.90	

32 96 Transplanting (32 96)

See CSI section 32 94 49 00-0001 for guying.

32 96 33 Shrub Transplanting (32 96)

Note: Includes digging up, moving on site, digging new hole and replanting.

32 96 33 00-0001 Moving Shrubs On Site, Relocate (32 96 33)

Note: Includes digging up, moving on site, digging new hole and replanting. See CSI section 32 94 49 00-0001 for guying.

32 96 33 00-0002	EA	Up To 18" Root Ball, Move Shrubs On Site	76.64	
		For >25 To 50, Deduct	-7.66	
		For >50, Deduct	-11.50	
32 96 33 00-0003	EA	>18" To 24" Root Ball, Move Shrubs On Site	103.69	
		For >25 To 50, Deduct	-10.37	
		For >50, Deduct	-15.55	
32 96 33 00-0004	EA	>24" To 30" Root Ball, Move Shrubs On Site	175.82	
		For >25 To 50, Deduct	-17.58	
		For >50, Deduct	-26.37	
32 96 33 00-0005	EA	>30" To 36" Root Ball, Move Shrubs On Site	270.50	
		For >25 To 50, Deduct	-27.05	
		For >50, Deduct	-40.58	

32 96 43 Tree Transplanting (32 96)

Note: Includes digging up, moving on site, digging new hole and replanting.

32 96 43 00-0001 Moving Trees On Site, Relocate (32 96 43)

Note: Includes digging up, moving on site, digging new hole and replanting. Excludes crane where necessary for trees over 20' tall. See CSI section 01 22 23 00-0977 for crane lifting equipment, 32 94 49 00-0001 for guying.

32 96 43 00-0002	EA	Up To 24" Root Ball, Move Trees On Site	300.44	
		For >5 To 10, Deduct	-15.02	
		For >10 To 20, Deduct	-30.04	
		For >20, Deduct	-45.07	

32 Exterior Improvements**32 90 Planting****32 96 Transplanting**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 96 43 00-0003	EA	>24" To 30" Root Ball, Move Trees On Site.....	412.04	
		For >5 To 10, Deduct	-20.60	
		For >10 To 20, Deduct	-41.20	
		For >20, Deduct	-61.81	
32 96 43 00-0004	EA	>30" To 36" Root Ball, Move Trees On Site.....	667.66	
		For >5 To 10, Deduct	-33.38	
		For >10 To 20, Deduct	-66.77	
		For >20, Deduct	-100.15	
32 96 43 00-0005	EA	>36" To 48" Root Ball, Move Trees On Site.....	1,109.34	
		For >5 To 10, Deduct	-55.47	
		For >10 To 20, Deduct	-110.93	
		For >20, Deduct	-166.40	
32 96 43 00-0006	EA	>48" To 60" Root Ball, Move Trees On Site.....	1,802.67	
		For >5 To 10, Deduct	-90.13	
		For >10 To 20, Deduct	-180.27	
		For >20, Deduct	-270.40	
32 96 43 00-0007	EA	>60" To 72" Root Ball, Move Trees On Site.....	2,326.03	
		For >5 To 10, Deduct	-116.30	
		For >10 To 20, Deduct	-232.60	
		For >20, Deduct	-348.90	
32 96 43 00-0008	EA	>72" To 84" Root Ball, Move Trees On Site.....	3,004.46	
		For >5 To 10, Deduct	-150.22	
		For >10 To 20, Deduct	-300.45	
		For >20, Deduct	-450.67	
32 96 43 00-0009	EA	>84" To 96" Root Ball, Move Trees On Site.....	3,605.35	
		For >5 To 10, Deduct	-180.27	
		For >10 To 20, Deduct	-360.54	
		For >20, Deduct	-540.80	
32 96 43 00-0010	EA	>96" To 120" Root Ball, Move Trees On Site.....	4,096.99	
		For >5 To 10, Deduct	-204.85	
		For >10 To 20, Deduct	-409.70	
		For >20, Deduct	-614.55	

END OF SECTION 32

Utilities		33	CS
Operation and Maintenance of Utilities		33 01	
Operation and Maintenance of Water Utilities		33 01 10	
MINOR CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 Utilities

Note: Buried plastic pipe and conduit includes detectable tracer wire

33 01 Operation and Maintenance of Utilities (33)

33 01 10 Operation and Maintenance of Water Utilities (33 01)

33 01 10 54 Cleaning of Water Utility Piping (33 01 10)

See CSI section 33 01 30 41-0012 for cleaning of water lines.

33 01 10 58 Disinfection of Water Utility Piping Systems (33 01 10)

33 01 10 58-0001 Water Main Disinfection/Sterilization (33 01 10 58)

Note: Gas chlorination. Continuous or plug method.

33 01 10 58-0002	EA	Setting Up And Removing Equipment For Water Main Disinfection/Sterilization, Gas Chlorination Method	1,041.26
33 01 10 58-0003	EA	Re-Set Up/Move Equipment For Water Main Disinfection/Sterilization, Gas Chlorination Method	520.63
33 01 10 58-0004	LF	Up To 4" Diameter Pipe Water Main Disinfection/Sterilization	0.39
		For >250 To 500, Deduct	-0.02
		For >500 To 1,000, Deduct	-0.04
		For >1,000 To 2,000, Deduct	-0.06
		For >2,000 To 5,000, Deduct	-0.08
		For >5,000, Deduct	-0.10
33 01 10 58-0005	LF	6" Diameter Pipe Water Main Disinfection/Sterilization	0.60
		For >250 To 500, Deduct	-0.03
		For >500 To 1,000, Deduct	-0.06
		For >1,000 To 2,000, Deduct	-0.09
		For >2,000 To 5,000, Deduct	-0.12
		For >5,000, Deduct	-0.15
33 01 10 58-0006	LF	8" Diameter Pipe Water Main Disinfection/Sterilization	0.79
		For >250 To 500, Deduct	-0.04
		For >500 To 1,000, Deduct	-0.08
		For >1,000 To 2,000, Deduct	-0.12
		For >2,000 To 5,000, Deduct	-0.16
		For >5,000, Deduct	-0.20
33 01 10 58-0007	LF	10" Diameter Pipe Water Main Disinfection/Sterilization	0.92
		For >250 To 500, Deduct	-0.05
		For >500 To 1,000, Deduct	-0.09
		For >1,000 To 2,000, Deduct	-0.14
		For >2,000 To 5,000, Deduct	-0.18
		For >5,000, Deduct	-0.23
33 01 10 58-0008	LF	12" Diameter Pipe Water Main Disinfection/Sterilization	1.20
		For >250 To 500, Deduct	-0.06
		For >500 To 1,000, Deduct	-0.12
		For >1,000 To 2,000, Deduct	-0.18
		For >2,000 To 5,000, Deduct	-0.24
		For >5,000, Deduct	-0.30
33 01 10 58-0009	LF	>12" To 16" Diameter Pipe Water Main Disinfection/Sterilization	1.35
		For >250 To 500, Deduct	-0.07
		For >500 To 1,000, Deduct	-0.14
		For >1,000 To 2,000, Deduct	-0.20
		For >2,000 To 5,000, Deduct	-0.27
		For >5,000, Deduct	-0.34
33 01 10 58-0010	LF	>16" To 24" Diameter Pipe Water Main Disinfection/Sterilization	1.56
		For >250 To 500, Deduct	-0.08
		For >500 To 1,000, Deduct	-0.16
		For >1,000 To 2,000, Deduct	-0.23
		For >2,000 To 5,000, Deduct	-0.31
		For >5,000, Deduct	-0.39
33 01 10 58-0011	LF	>24" To 30" Diameter Pipe Water Main Disinfection/Sterilization	1.83
		For >250 To 500, Deduct	-0.09
		For >500 To 1,000, Deduct	-0.18
		For >1,000 To 2,000, Deduct	-0.27
		For >2,000 To 5,000, Deduct	-0.37
		For >5,000, Deduct	-0.46
33 01 10 58-0012	LF	>30" To 42" Diameter Pipe Water Main Disinfection/Sterilization	2.37
		For >250 To 500, Deduct	-0.12
		For >500 To 1,000, Deduct	-0.24
		For >1,000 To 2,000, Deduct	-0.36
		For >2,000 To 5,000, Deduct	-0.47
		For >5,000, Deduct	-0.59
33 01 10 58-0013	LF	>42" To 60" Diameter Pipe Water Main Disinfection/Sterilization	3.47
		For >250 To 500, Deduct	-0.17
		For >500 To 1,000, Deduct	-0.35
		For >1,000 To 2,000, Deduct	-0.52
		For >2,000 To 5,000, Deduct	-0.69
		For >5,000, Deduct	-0.87
33 01 10 58-0014	LF	>60" Diameter Pipe Water Main Disinfection/Sterilization	4.81
		For >250 To 500, Deduct	-0.24
		For >500 To 1,000, Deduct	-0.48
		For >1,000 To 2,000, Deduct	-0.72
		For >2,000 To 5,000, Deduct	-0.96
		For >5,000, Deduct	-1.20

33 01 10 71 Relining Water Utilities Pipelines (33 01 10)

See CSI section 33 01 30 71-0000 for relining water pipelines.

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 10 Operation and Maintenance of Water Utilities**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 01 10 71-0001	Relining Underground Water Pipelines (33 01 10 71)		
	Note: Excludes costs for CCTV inspection, pipe cleaning, pavement; temporary and permanent, emergency after hour response for owners' backups.		
33 01 10 71-0002	Relining Underground Water Pipelines Set-Up And Reinsertion (33 01 10 71-0001)		
33 01 10 71-0003	EA Initial Set Up And Final Equipment Removal For Relining Underground Water Pipelines	5,319.15	
33 01 10 71-0004	EA Move And Reset Up At Different Access/Location	2,127.66	
33 01 10 71-0005	Lining Pipe With Cement (33 01 10 71-0001)		
33 01 10 71-0006	LF Up To 500', 4" Pipe, 1/8" Pipe Lining With Cement	65.64	
	For 3/16" Thickness, Add	1.13	
	For 1/4" Thickness, Add	2.26	
33 01 10 71-0007	LF >500' To 1,000', 4" Pipe, 1/8" Pipe Lining With Cement	58.48	
	For 3/16" Thickness, Add	1.13	
	For 1/4" Thickness, Add	2.26	
33 01 10 71-0008	LF >1,000' To 5,000', 4" Pipe, 1/8" Pipe Lining With Cement	48.89	
	For 3/16" Thickness, Add	1.13	
	For 1/4" Thickness, Add	2.26	
33 01 10 71-0009	LF >5,000', 4" Pipe, 1/8" Pipe Lining With Cement	36.85	
	For 3/16" Thickness, Add	1.13	
	For 1/4" Thickness, Add	2.26	
33 01 10 71-0010	LF Up To 500', 6" Pipe, 1/8" Pipe Lining With Cement	68.40	
	For 3/16" Thickness, Add	1.69	
	For 1/4" Thickness, Add	3.38	
33 01 10 71-0011	LF >500' To 1,000', 6" Pipe, 1/8" Pipe Lining With Cement	60.97	
	For 3/16" Thickness, Add	1.69	
	For 1/4" Thickness, Add	3.38	
33 01 10 71-0012	LF >1,000' To 5,000', 6" Pipe, 1/8" Pipe Lining With Cement	51.06	
	For 3/16" Thickness, Add	1.69	
	For 1/4" Thickness, Add	3.38	
33 01 10 71-0013	LF >5,000', 6" Pipe, 1/8" Pipe Lining With Cement	38.85	
	For 3/16" Thickness, Add	1.69	
	For 1/4" Thickness, Add	3.38	
33 01 10 71-0014	LF Up To 500', 8" Pipe, 1/8" Pipe Lining With Cement	71.06	
	For 3/16" Thickness, Add	2.25	
	For 1/4" Thickness, Add	4.50	
33 01 10 71-0015	LF >500' To 1,000', 8" Pipe, 1/8" Pipe Lining With Cement	63.47	
	For 3/16" Thickness, Add	2.25	
	For 1/4" Thickness, Add	4.50	
33 01 10 71-0016	LF >1,000' To 5,000', 8" Pipe, 1/8" Pipe Lining With Cement	53.21	
	For 3/16" Thickness, Add	2.25	
	For 1/4" Thickness, Add	4.50	
33 01 10 71-0017	LF >5,000', 8" Pipe, 1/8" Pipe Lining With Cement	40.85	
	For 3/16" Thickness, Add	2.25	
	For 1/4" Thickness, Add	4.50	
33 01 10 71-0018	LF Up To 500', 10" Pipe, 1/8" Pipe Lining With Cement	73.13	
	For 3/16" Thickness, Add	2.82	
	For 1/4" Thickness, Add	5.64	
33 01 10 71-0019	LF >500' To 1,000', 10" Pipe, 1/8" Pipe Lining With Cement	65.41	
	For 3/16" Thickness, Add	2.82	
	For 1/4" Thickness, Add	5.64	
33 01 10 71-0020	LF >1,000' To 5,000', 10" Pipe, 1/8" Pipe Lining With Cement	55.01	
	For 3/16" Thickness, Add	2.82	
	For 1/4" Thickness, Add	5.64	
33 01 10 71-0021	LF >5,000', 10" Pipe, 1/8" Pipe Lining With Cement	42.85	
	For 3/16" Thickness, Add	2.82	
	For 1/4" Thickness, Add	5.64	
33 01 10 71-0022	LF Up To 500', 12" Pipe, 1/8" Pipe Lining With Cement	79.12	
	For 3/16" Thickness, Add	3.38	
	For 1/4" Thickness, Add	6.76	
33 01 10 71-0023	LF >500' To 1,000', 12" Pipe, 1/8" Pipe Lining With Cement	70.91	
	For 3/16" Thickness, Add	3.38	
	For 1/4" Thickness, Add	6.76	
33 01 10 71-0024	LF >1,000' To 5,000', 12" Pipe, 1/8" Pipe Lining With Cement	59.86	
	For 3/16" Thickness, Add	3.38	
	For 1/4" Thickness, Add	6.76	
33 01 10 71-0025	LF >5,000', 12" Pipe, 1/8" Pipe Lining With Cement	46.72	
	For 3/16" Thickness, Add	3.38	
	For 1/4" Thickness, Add	6.76	
33 01 10 71-0026	LF Up To 500', >12" To 16" Pipe, 3/16" Pipe Lining With Cement	85.82	
	For 1/4" Thickness, Add	3.76	
	For 5/16" Thickness, Add	7.52	
33 01 10 71-0027	LF >500' To 1,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement	77.33	
	For 1/4" Thickness, Add	3.76	
	For 5/16" Thickness, Add	7.52	
33 01 10 71-0028	LF >1,000' To 5,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement	65.80	
	For 1/4" Thickness, Add	3.76	
	For 5/16" Thickness, Add	7.52	
33 01 10 71-0029	LF >5,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement	53.20	
	For 1/4" Thickness, Add	3.76	
	For 5/16" Thickness, Add	7.52	
33 01 10 71-0030	LF Up To 500', >16" To 20" Pipe, 3/16" Pipe Lining With Cement	90.25	
	For 1/4" Thickness, Add	4.50	
	For 5/16" Thickness, Add	9.01	
33 01 10 71-0031	LF >500' To 1,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement	81.47	
	For 1/4" Thickness, Add	4.50	
	For 5/16" Thickness, Add	9.01	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 10 71-0032	LF	>1,000' To 5,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement.....	69.56	
		For 1/4" Thickness, Add	4.50	
		For 5/16" Thickness, Add	9.01	
33 01 10 71-0033	LF	>5,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement.....	57.63	
		For 1/4" Thickness, Add	4.50	
		For 5/16" Thickness, Add	9.01	
33 01 10 71-0034	LF	Up To 500', >20" To 22" Pipe, 3/16" Pipe Lining With Cement.....	95.68	
		For 1/4" Thickness, Add	5.26	
		For 5/16" Thickness, Add	10.51	
33 01 10 71-0035	LF	>500' To 1,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement.....	86.61	
		For 1/4" Thickness, Add	5.26	
		For 5/16" Thickness, Add	10.51	
33 01 10 71-0036	LF	>1,000' To 5,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement.....	74.12	
		For 1/4" Thickness, Add	5.26	
		For 5/16" Thickness, Add	10.51	
33 01 10 71-0037	LF	>5,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement.....	62.95	
		For 1/4" Thickness, Add	5.26	
		For 5/16" Thickness, Add	10.51	
33 01 10 71-0038	LF	Up To 500', 24" Pipe, 3/16" Pipe Lining With Cement	101.23	
		For 1/4" Thickness, Add	6.01	
		For 5/16" Thickness, Add	12.02	
33 01 10 71-0039	LF	>500' To 1,000', 24" Pipe, 3/16" Pipe Lining With Cement	91.78	
		For 1/4" Thickness, Add	6.01	
		For 5/16" Thickness, Add	12.02	
33 01 10 71-0040	LF	>1,000' To 5,000', 24" Pipe, 3/16" Pipe Lining With Cement	78.90	
		For 1/4" Thickness, Add	6.01	
		For 5/16" Thickness, Add	12.02	
33 01 10 71-0041	LF	>5,000', 24" Pipe, 3/16" Pipe Lining With Cement	68.50	
		For 1/4" Thickness, Add	6.01	
		For 5/16" Thickness, Add	12.02	
33 01 10 71-0042	LF	Up To 500', 30" Pipe, 3/16" Pipe Lining With Cement	108.90	
		For 1/4" Thickness, Add	7.51	
		For 5/16" Thickness, Add	15.02	
33 01 10 71-0043	LF	>500' To 1,000', 30" Pipe, 3/16" Pipe Lining With Cement	98.90	
		For 1/4" Thickness, Add	7.51	
		For 5/16" Thickness, Add	15.02	
33 01 10 71-0044	LF	>1,000' To 5,000', 30" Pipe, 3/16" Pipe Lining With Cement	85.25	
		For 1/4" Thickness, Add	7.51	
		For 5/16" Thickness, Add	15.02	
33 01 10 71-0045	LF	>5,000', 30" Pipe, 3/16" Pipe Lining With Cement	74.75	
		For 1/4" Thickness, Add	7.51	
		For 5/16" Thickness, Add	15.02	
33 01 10 71-0046	LF	Up To 500', 36" Pipe, 3/16" Pipe Lining With Cement	116.48	
		For 1/4" Thickness, Add	9.02	
		For 5/16" Thickness, Add	18.03	
33 01 10 71-0047	LF	500' To 1,000', 36" Pipe, 3/16" Pipe Lining With Cement	106.05	
		For 1/4" Thickness, Add	9.02	
		For 5/16" Thickness, Add	18.03	
33 01 10 71-0048	LF	>1,000' To 5,000', 36" Pipe, 3/16" Pipe Lining With Cement	91.63	
		For 1/4" Thickness, Add	9.02	
		For 5/16" Thickness, Add	18.03	
33 01 10 71-0049	LF	>5,000', 36" Pipe, 3/16" Pipe Lining With Cement	81.01	
		For 1/4" Thickness, Add	9.02	
		For 5/16" Thickness, Add	18.03	
33 01 10 71-0050	LF	Up To 500', 42" Pipe, 1/4" Pipe Lining With Cement	145.08	
		For 3/8" Thickness, Add	23.66	
		For 7/16" Thickness, Add	35.49	
33 01 10 71-0051	LF	>500' To 1,000', 42" Pipe, 1/4" Pipe Lining With Cement	133.71	
		For 3/8" Thickness, Add	23.66	
		For 7/16" Thickness, Add	35.49	
33 01 10 71-0052	LF	>1,000' To 5,000', 42" Pipe, 1/4" Pipe Lining With Cement	118.03	
		For 3/8" Thickness, Add	23.66	
		For 7/16" Thickness, Add	35.49	
33 01 10 71-0053	LF	>5,000', 42" Pipe, 1/4" Pipe Lining With Cement	107.09	
		For 3/8" Thickness, Add	23.66	
		For 7/16" Thickness, Add	35.49	
33 01 10 71-0054	LF	Up To 500', 48" Pipe, 1/4" Pipe Lining With Cement	160.04	
		For 3/8" Thickness, Add	27.04	
		For 7/16" Thickness, Add	40.56	
33 01 10 71-0055	LF	>500' To 1,000', 48" Pipe, 1/4" Pipe Lining With Cement	147.88	
		For 3/8" Thickness, Add	27.04	
		For 7/16" Thickness, Add	40.56	
33 01 10 71-0056	LF	>1,000' To 5,000', 48" Pipe, 1/4" Pipe Lining With Cement	131.04	
		For 3/8" Thickness, Add	27.04	
		For 7/16" Thickness, Add	40.56	
33 01 10 71-0057	LF	>5,000', 48" Pipe, 1/4" Pipe Lining With Cement	119.87	
		For 3/8" Thickness, Add	27.04	
		For 7/16" Thickness, Add	40.56	
33 01 10 71-0058	LF	Up To 500', 54" Pipe, 1/4" Pipe Lining With Cement	168.77	
		For 3/8" Thickness, Add	30.42	
		For 7/16" Thickness, Add	45.62	
33 01 10 71-0059	LF	>500' To 1,000', 54" Pipe, 1/4" Pipe Lining With Cement	156.34	
		For 3/8" Thickness, Add	30.42	
		For 7/16" Thickness, Add	45.62	
33 01 10 71-0060	LF	>1,000' To 5,000', 54" Pipe, 1/4" Pipe Lining With Cement	139.10	
		For 3/8" Thickness, Add	30.42	
		For 7/16" Thickness, Add	45.62	
33 01 10 71-0061	LF	>5,000', 54" Pipe, 1/4" Pipe Lining With Cement	128.37	
		For 3/8" Thickness, Add	30.42	
		For 7/16" Thickness, Add	45.62	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 10 Operation and Maintenance of Water Utilities**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 01 10 71-0062	LF	Up To 500', 60" Pipe, 1/4" Pipe Lining With Cement	177.52	
		<i>For 3/8" Thickness, Add</i>	33.81	
		<i>For 7/16" Thickness, Add</i>	50.71	
33 01 10 71-0063	LF	>500' To 1,000', 60" Pipe, 1/4" Pipe Lining With Cement	164.87	
		<i>For 3/8" Thickness, Add</i>	33.81	
		<i>For 7/16" Thickness, Add</i>	50.71	
33 01 10 71-0064	LF	>1,000' To 5,000', 60" Pipe, 1/4" Pipe Lining With Cement	147.30	
		<i>For 3/8" Thickness, Add</i>	33.81	
		<i>For 7/16" Thickness, Add</i>	50.71	
33 01 10 71-0065	LF	>5,000', 60" Pipe, 1/4" Pipe Lining With Cement	136.90	
		<i>For 3/8" Thickness, Add</i>	33.81	
		<i>For 7/16" Thickness, Add</i>	50.71	
33 01 10 71-0066	LF	Up To 500', 66" Pipe, 1/4" Pipe Lining With Cement	186.58	
		<i>For 3/8" Thickness, Add</i>	37.19	
		<i>For 7/16" Thickness, Add</i>	55.78	
33 01 10 71-0067	LF	>500' To 1,000', 66" Pipe, 1/4" Pipe Lining With Cement	173.66	
		<i>For 3/8" Thickness, Add</i>	37.19	
		<i>For 7/16" Thickness, Add</i>	55.78	
33 01 10 71-0068	LF	>1,000' To 5,000', 66" Pipe, 1/4" Pipe Lining With Cement	155.82	
		<i>For 3/8" Thickness, Add</i>	37.19	
		<i>For 7/16" Thickness, Add</i>	55.78	
33 01 10 71-0069	LF	>5,000', 66" Pipe, 1/4" Pipe Lining With Cement	146.18	
		<i>For 3/8" Thickness, Add</i>	37.19	
		<i>For 7/16" Thickness, Add</i>	55.78	
33 01 10 71-0070	LF	Up To 500', 72" Pipe, 1/4" Pipe Lining With Cement	196.07	
		<i>For 3/8" Thickness, Add</i>	40.57	
		<i>For 7/16" Thickness, Add</i>	60.85	
33 01 10 71-0071	LF	>500' To 1,000', 72" Pipe, 1/4" Pipe Lining With Cement	182.94	
		<i>For 3/8" Thickness, Add</i>	40.57	
		<i>For 7/16" Thickness, Add</i>	60.85	
33 01 10 71-0072	LF	>1,000' To 5,000', 72" Pipe, 1/4" Pipe Lining With Cement	164.65	
		<i>For 3/8" Thickness, Add</i>	40.57	
		<i>For 7/16" Thickness, Add</i>	60.85	
33 01 10 71-0073	LF	>5,000', 72" Pipe, 1/4" Pipe Lining With Cement	155.57	
		<i>For 3/8" Thickness, Add</i>	40.57	
		<i>For 7/16" Thickness, Add</i>	60.85	

33 01 10 71-0074 Lining Pipe With Epoxy (33 01 10 71-0001)

33 01 10 71-0075	LF	Up To 500', 4" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	61.74	
33 01 10 71-0076	LF	>500' To 1,000', 4" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	55.15	
33 01 10 71-0077	LF	>1,000' To 5,000', 4" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	46.31	
33 01 10 71-0078	LF	>5,000', 4" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	41.91	
33 01 10 71-0079	LF	Up To 500', 6" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	64.92	
33 01 10 71-0080	LF	>500' To 1,000', 6" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	58.10	
33 01 10 71-0081	LF	>1,000' To 5,000', 6" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	48.97	
33 01 10 71-0082	LF	>5,000', 6" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	44.37	
33 01 10 71-0083	LF	Up To 500', 8" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	68.04	
33 01 10 71-0084	LF	>500' To 1,000', 8" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	61.06	
33 01 10 71-0085	LF	>1,000' To 5,000', 8" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	51.61	
33 01 10 71-0086	LF	>5,000', 8" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	46.97	
33 01 10 71-0087	LF	Up To 500', 10" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	64.95	
33 01 10 71-0088	LF	>500' To 1,000', 10" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	63.51	
33 01 10 71-0089	LF	>1,000' To 5,000', 10" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	53.96	
33 01 10 71-0090	LF	>5,000', 10" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	49.21	
33 01 10 71-0091	LF	Up To 500', 12" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	76.79	
33 01 10 71-0092	LF	>500' To 1,000', 12" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	69.24	
33 01 10 71-0093	LF	>1,000' To 5,000', 12" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	59.06	
33 01 10 71-0094	LF	>5,000', 12" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	53.92	
33 01 10 71-0095	LF	Up To 500', >12" To 16" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	81.39	
33 01 10 71-0096	LF	>500' To 1,000', >12" To 16" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	73.54	
33 01 10 71-0097	LF	>1,000' To 5,000', >12" To 16" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	62.95	
33 01 10 71-0098	LF	>5,000', >12" To 16" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	57.59	
33 01 10 71-0099	LF	Up To 500', >16" To 20" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	85.91	
33 01 10 71-0100	LF	>500' To 1,000', >16" To 20" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	77.85	
33 01 10 71-0101	LF	1,000' To 5,000', >16" To 20" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	66.89	
33 01 10 71-0102	LF	>5,000', >16" To 20" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	61.35	
33 01 10 71-0103	LF	Up To 500', >20" To 22" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	91.43	
33 01 10 71-0104	LF	>500' To 1,000', >20" To 22" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	83.06	
33 01 10 71-0105	LF	>1,000' To 5,000', >20" To 22" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	71.56	
33 01 10 71-0106	LF	>5,000', >20" To 22" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	65.92	
33 01 10 71-0107	LF	Up To 500', 24" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	96.97	
33 01 10 71-0108	LF	>500' To 1,000', 24" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	88.29	
33 01 10 71-0109	LF	>1,000' To 5,000', 24" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	76.42	
33 01 10 71-0110	LF	>5,000', 24" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	70.50	
33 01 10 71-0111	LF	Up To 500', 30" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	105.01	
33 01 10 71-0112	LF	>500' To 1,000', 30" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	95.80	
33 01 10 71-0113	LF	>1,000' To 5,000', 30" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	83.26	
33 01 10 71-0114	LF	>5,000', 30" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	76.91	
33 01 10 71-0115	LF	Up To 500', 36" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	112.94	
33 01 10 71-0116	LF	>500' To 1,000', 36" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	103.35	
33 01 10 71-0117	LF	>1,000' To 5,000', 36" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	90.09	
33 01 10 71-0118	LF	>5,000', 36" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	83.51	
33 01 10 71-0119	LF	Up To 500', 42" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	125.71	
33 01 10 71-0120	LF	>500' To 1,000', 42" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	115.25	
33 01 10 71-0121	LF	>1,000' To 5,000', 42" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	100.84	
33 01 10 71-0122	LF	>5,000', 42" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	93.71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 01 10 71-0123	LF		Up To 500', 48" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	138.40	
33 01 10 71-0124	LF		>500' To 1,000', 48" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	127.20	
33 01 10 71-0125	LF		>1,000' To 5,000', 48" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	111.72	
33 01 10 71-0126	LF		>5,000', 48" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	104.06	
33 01 10 71-0127	LF		Up To 500', 54" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	145.31	
33 01 10 71-0128	LF		>500' To 1,000', 54" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	133.88	
33 01 10 71-0129	LF		>1,000' To 5,000', 54" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	118.03	
33 01 10 71-0130	LF		>5,000', 54" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	110.16	
33 01 10 71-0131	LF		Up To 500', 60" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	152.19	
33 01 10 71-0132	LF		>500' To 1,000', 60" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	140.57	
33 01 10 71-0133	LF		>1,000' To 5,000', 60" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	124.42	
33 01 10 71-0134	LF		>5,000', 60" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	116.05	

33 01 10 71-0135			Water House Connection (33 01 10 71-0001)		
33 01 10 71-0136	EA		Blow Out Line To Water House Connection After Lining	52.06	

33 01 20 Operation and Maintenance of Wells (33 01)

33 01 20 00-0001			Pull Submersible Well Pumps For Repair (33 01 20)		
			Note: Includes cleaning.		
33 01 20 00-0002	EA		Up To 100' Depth, Pull Submersible Well Pumps For Repair	88.69	
			Note: Includes reinstallation after repair.		
33 01 20 00-0003	EA		>100 To 200' Depth, Pull Submersible Well Pumps For Repair	118.25	
			Note: Includes reinstallation after repair.		
33 01 20 00-0004	EA		>200 To 300' Depth, Pull Submersible Well Pumps For Repair	153.73	
			Note: Includes reinstallation after repair.		
33 01 20 00-0005	EA		>300 To 400' Depth, Pull Submersible Well Pumps For Repair	201.04	
			Note: Includes reinstallation after repair.		
33 01 20 00-0006	EA		>400 To 500' Depth, Pull Submersible Well Pumps For Repair	248.33	
			Note: Includes reinstallation after repair.		
33 01 20 00-0007	EA		>500 To 600' Depth, Pull Submersible Well Pumps For Repair	283.81	
			Note: Includes reinstallation after repair.		

33 01 30 Operation and Maintenance of Sewer Utilities (33 01)

33 01 30 11 Television Inspection Of Pipelines (33 01 30)

Note: Rotating head color camera. Includes all log records and color video tape, DVD or CD.

33 01 30 11-0001			Remote Visual Inspection (RVI) Of Pipe Interior And Culverts (33 01 30 11)		
33 01 30 11-0002			Video Camera Set-up (33 01 30 11-0001)		
			Note: A "push camera" is a straight view camera at the end of a rigid push rod for 1" to 12" diameter pipes for distances up to 300 feet. Crawlers are generally remotely operated vehicles (ROVs) for longer distances (over 300') and for larger diameters (4" and larger).		
33 01 30 11-0003	EA		Initial Set Up For "Push Camera" Video Camera Inspection, 1" To 12" Diameter Pipe Or Culvert	912.86	
33 01 30 11-0004	EA		Initial Set Up For "Crawler" Video Camera Inspection, 4" To 30" Diameter Pipe Or Culvert	1,825.74	
33 01 30 11-0005	EA		Initial Set Up For "Crawler" Video Camera Inspection, >30" Diameter Pipe Or Culvert	2,738.60	
33 01 30 11-0006	EA		Re-Set Up/Move For "Push Camera" Video Camera Inspection, 1" To 12" Diameter Pipe Or Culvert	456.44	
33 01 30 11-0007	EA		Re-Set Up/Move For "Crawler" Video Camera Inspection, 4" And Larger Diameter Pipe Or Culvert	912.86	
33 01 30 11-0008			Video Camera Planning And Analysis Inspection (33 01 30 11-0001)		
			Note: For pipe interior and culverts.		
33 01 30 11-0009	LF		4" To 6" Diameter Pipe Inspection, Planning/Analysis Phase	2.32	
			Note: CCTV inspection of pipe interior.		
			For >500 To 1,000, Deduct	-0.23	
			For >1,000 To 5,000, Deduct	-0.58	
			For >5,000, Deduct	-0.81	
33 01 30 11-0010	LF		>6" To 12" Diameter Pipe Inspection, Planning/Analysis Phase	3.09	
			Note: CCTV inspection of pipe interior.		
			For >500 To 1,000, Deduct	-0.31	
			For >1,000 To 5,000, Deduct	-0.77	
			For >5,000, Deduct	-1.08	
33 01 30 11-0011	LF		>12" To 21" Diameter Pipe Inspection, Planning/Analysis Phase	3.85	
			Note: CCTV inspection of pipe interior.		
			For >500 To 1,000, Deduct	-0.39	
			For >1,000 To 5,000, Deduct	-0.96	
			For >5,000, Deduct	-1.35	
33 01 30 11-0012	LF		>21" To 30" Diameter Pipe Inspection, Planning/Analysis Phase	5.14	
			Note: CCTV inspection of pipe interior.		
			For >500 To 1,000, Deduct	-0.51	
			For >1,000 To 5,000, Deduct	-1.29	
			For >5,000, Deduct	-1.80	
33 01 30 11-0013	LF		>30" To 42" Diameter Pipe Inspection, Planning/Analysis Phase	7.23	
			Note: CCTV inspection of pipe interior.		
			For >500 To 1,000, Deduct	-0.72	
			For >1,000 To 5,000, Deduct	-1.81	
			For >5,000, Deduct	-2.53	
33 01 30 11-0014	LF		>42" To 60" Diameter Pipe Inspection, Planning/Analysis Phase	9.65	
			Note: CCTV inspection of pipe interior.		
			For >500 To 1,000, Deduct	-0.97	
			For >1,000 To 5,000, Deduct	-2.41	
			For >5,000, Deduct	-3.38	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
33 01 30 11-0015	LF >60" To 72" Diameter Pipe Inspection, Planning/Analysis Phase.....	13.61		
	Note: CCTV inspection of pipe interior.			
	For >500 To 1,000, Deduct	-1.36		
	For >1,000 To 5,000, Deduct	-3.40		
	For >5,000, Deduct	-4.76		
33 01 30 11-0016	LF >72" To 84" Diameter Pipe Inspection, Planning/Analysis Phase.....	19.29		
	Note: CCTV inspection of pipe interior.			
	For >500 To 1,000, Deduct	-1.93		
	For >1,000 To 5,000, Deduct	-4.82		
	For >5,000, Deduct	-6.75		
33 01 30 11-0017 Video Camera Pre-Rehab For Pipe Interior And Culverts (33 01 30 11-0001)				
33 01 30 11-0018	LF 4" To 6" Diameter Pipe Inspection, Pre-Rehabilitation Phase.....	3.42		
	Note: CCTV inspection of pipe interior.			
	For >500 To 1,000, Deduct	-0.34		
	For >1,000 To 5,000, Deduct	-0.86		
	For >5,000, Deduct	-1.20		
33 01 30 11-0019	LF >6" To 12" Diameter Pipe Inspection, Pre-Rehabilitation Phase.....	4.56		
	Note: CCTV inspection of pipe interior.			
	For >500 To 1,000, Deduct	-0.46		
	For >1,000 To 5,000, Deduct	-1.14		
	For >5,000, Deduct	-1.60		
33 01 30 11-0020	LF >12" To 21" Diameter Pipe Inspection, Pre-Rehabilitation Phase.....	5.70		
	Note: CCTV inspection of pipe interior.			
	For >500 To 1,000, Deduct	-0.57		
	For >1,000 To 5,000, Deduct	-1.43		
	For >5,000, Deduct	-2.00		
33 01 30 11-0021	LF >21" To 30" Diameter Pipe Inspection, Pre-Rehabilitation Phase.....	7.61		
	Note: CCTV inspection of pipe interior.			
	For >500 To 1,000, Deduct	-0.76		
	For >1,000 To 5,000, Deduct	-1.90		
	For >5,000, Deduct	-2.66		
33 01 30 11-0022	LF >30" To 42" Diameter Pipe Inspection, Pre-Rehabilitation Phase.....	10.70		
	Note: CCTV inspection of pipe interior.			
	For >500 To 1,000, Deduct	-1.07		
	For >1,000 To 5,000, Deduct	-2.68		
	For >5,000, Deduct	-3.75		
33 01 30 11-0023	LF >42" To 60" Diameter Pipe Inspection, Pre-Rehabilitation Phase.....	14.27		
	Note: CCTV inspection of pipe interior.			
	For >500 To 1,000, Deduct	-1.43		
	For >1,000 To 5,000, Deduct	-3.57		
	For >5,000, Deduct	-4.99		
33 01 30 11-0024	LF >60" To 72" Diameter Pipe Inspection, Pre-Rehabilitation Phase.....	20.14		
	Note: CCTV inspection of pipe interior.			
	For >500 To 1,000, Deduct	-2.01		
	For >1,000 To 5,000, Deduct	-5.04		
	For >5,000, Deduct	-7.05		
33 01 30 11-0025	LF >72" To 84" Diameter Pipe Inspection, Pre-Rehabilitation Phase.....	28.52		
	Note: CCTV inspection of pipe interior.			
	For >500 To 1,000, Deduct	-2.85		
	For >1,000 To 5,000, Deduct	-7.13		
	For >5,000, Deduct	-9.98		
33 01 30 11-0026 Video Camera Post-Rehab For Pipe Interior And Culverts (33 01 30 11-0001)				
33 01 30 11-0027	LF 4" To 6" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	2.44		
	Note: CCTV inspection of pipe interior.			
	For >500 To 1,000, Deduct	-0.24		
	For >1,000 To 5,000, Deduct	-0.61		
	For >5,000, Deduct	-0.85		
33 01 30 11-0028	LF >6" To 12" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	3.26		
	Note: CCTV inspection of pipe interior.			
	For >500 To 1,000, Deduct	-0.33		
	For >1,000 To 5,000, Deduct	-0.82		
	For >5,000, Deduct	-1.14		
33 01 30 11-0029	LF >12" To 21" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	4.08		
	Note: CCTV inspection of pipe interior.			
	For >500 To 1,000, Deduct	-0.41		
	For >1,000 To 5,000, Deduct	-1.02		
	For >5,000, Deduct	-1.43		
33 01 30 11-0030	LF >21" To 30" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	5.44		
	Note: CCTV inspection of pipe interior.			
	For >500 To 1,000, Deduct	-0.54		
	For >1,000 To 5,000, Deduct	-1.36		
	For >5,000, Deduct	-1.90		
33 01 30 11-0031	LF >30" To 42" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	7.64		
	Note: CCTV inspection of pipe interior.			
	For >500 To 1,000, Deduct	-0.76		
	For >1,000 To 5,000, Deduct	-1.91		
	For >5,000, Deduct	-2.67		
33 01 30 11-0032	LF >42" To 60" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	10.19		
	Note: CCTV inspection of pipe interior.			
	For >500 To 1,000, Deduct	-1.02		
	For >1,000 To 5,000, Deduct	-2.55		
	For >5,000, Deduct	-3.57		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 11-0033	LF		>60" To 72" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	14.38	
			Note: CCTV inspection of pipe interior.		
			For >500 To 1,000, Deduct	-1.44	
			For >1,000 To 5,000, Deduct	-3.60	
			For >5,000, Deduct	-5.03	
33 01 30 11-0034	LF		>72" To 84" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	20.38	
			Note: CCTV inspection of pipe interior.		
			For >500 To 1,000, Deduct	-2.04	
			For >1,000 To 5,000, Deduct	-5.10	
			For >5,000, Deduct	-7.13	
33 01 30 41 Cleaning of Sewers (33 01 30)					
33 01 30 41-0001			Pipe Line Cleaning And Flushing (33 01 30 41)		
			Note: Includes flushing. Owner provided water.		
33 01 30 41-0002			Pipe Line Cleaning (33 01 30 41-0001)		
			Note: Includes removal of all debris/waste. Excludes disposal.		
33 01 30 41-0003			Hydro Jet Set-up And Reinsertion (33 01 30 41-0002)		
			Note: Includes mobilization delivery, set-up, clean-up after use and return.		
33 01 30 41-0004	EA		Initial Set Up And Final Equipment Removal For Up To 8" Jet Cleaning.....	1,431.84	
33 01 30 41-0005	EA		Initial Set Up And Final Equipment Removal For >8" To 12" Jet Cleaning.....	2,147.76	
33 01 30 41-0006	EA		Initial Set Up And Final Equipment Removal For >12" To 30" Jet Cleaning.....	2,863.68	
33 01 30 41-0007	EA		Initial Set Up And Final Equipment Removal For >30" Jet Cleaning.....	3,818.23	
33 01 30 41-0008	EA		Move And Reset Up At Different Access/Location For Up To 8" Jet Cleaning.....	357.96	
33 01 30 41-0009	EA		Move And Reset Up At Different Access/Location For >8" To 12" Jet Cleaning.....	536.94	
33 01 30 41-0010	EA		Move And Reset Up At Different Access/Location For >12" To 30" Jet Cleaning.....	715.92	
33 01 30 41-0011	EA		Move And Reset Up At Different Access/Location For >30" Jet Cleaning.....	894.90	
33 01 30 41-0012 Hydro Jet Cleaning Of Sewer And Water Pipelines (33 01 30 41-0002)					
33 01 30 41-0013	LF		Up To 4" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	3.85	
			For >250 To 500, Deduct	-0.19	
			For >500 To 1,000, Deduct	-0.39	
			For >1,000 To 2,000, Deduct	-0.58	
			For >2,000 To 5,000, Deduct	-0.77	
			For >5,000, Deduct	-0.96	
			For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	2.89	
33 01 30 41-0014	LF		6" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	4.42	
			For >250 To 500, Deduct	-0.22	
			For >500 To 1,000, Deduct	-0.44	
			For >1,000 To 2,000, Deduct	-0.66	
			For >2,000 To 5,000, Deduct	-0.88	
			For >5,000, Deduct	-1.11	
			For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	3.32	
33 01 30 41-0015	LF		8" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	5.19	
			For >250 To 500, Deduct	-0.26	
			For >500 To 1,000, Deduct	-0.52	
			For >1,000 To 2,000, Deduct	-0.78	
			For >2,000 To 5,000, Deduct	-1.04	
			For >5,000, Deduct	-1.30	
			For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	3.89	
33 01 30 41-0016	LF		10" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	6.41	
			For >250 To 500, Deduct	-0.32	
			For >500 To 1,000, Deduct	-0.64	
			For >1,000 To 2,000, Deduct	-0.96	
			For >2,000 To 5,000, Deduct	-1.28	
			For >5,000, Deduct	-1.60	
			For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	4.81	
33 01 30 41-0017	LF		12" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	7.27	
			For >250 To 500, Deduct	-0.36	
			For >500 To 1,000, Deduct	-0.73	
			For >1,000 To 2,000, Deduct	-1.09	
			For >2,000 To 5,000, Deduct	-1.45	
			For >5,000, Deduct	-1.82	
			For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	5.45	
33 01 30 41-0018	LF		>12" To 16" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	8.41	
			For >250 To 500, Deduct	-0.42	
			For >500 To 1,000, Deduct	-0.84	
			For >1,000 To 2,000, Deduct	-1.26	
			For >2,000 To 5,000, Deduct	-1.68	
			For >5,000, Deduct	-2.10	
			For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	6.31	
33 01 30 41-0019	LF		>16" To 24" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	10.11	
			For >250 To 500, Deduct	-0.51	
			For >500 To 1,000, Deduct	-1.01	
			For >1,000 To 2,000, Deduct	-1.52	
			For >2,000 To 5,000, Deduct	-2.02	
			For >5,000, Deduct	-2.53	
			For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	7.58	
33 01 30 41-0020	LF		>24" To 30" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	11.47	
			For >250 To 500, Deduct	-0.57	
			For >500 To 1,000, Deduct	-1.15	
			For >1,000 To 2,000, Deduct	-1.72	
			For >2,000 To 5,000, Deduct	-2.29	
			For >5,000, Deduct	-2.87	
			For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	8.60	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 01 30 41-0021	LF	>30" To 42" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	13.56
		For >250 To 500, Deduct	-0.68
		For >500 To 1,000, Deduct	-1.36
		For >1,000 To 2,000, Deduct	-2.03
		For >2,000 To 5,000, Deduct	-2.71
		For >5,000, Deduct	-3.39
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	10.17
33 01 30 41-0022	LF	>42" To 60" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	17.04
		For >250 To 500, Deduct	-0.85
		For >500 To 1,000, Deduct	-1.70
		For >1,000 To 2,000, Deduct	-2.56
		For >2,000 To 5,000, Deduct	-3.41
		For >5,000, Deduct	-4.26
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	12.78
33 01 30 41-0023	LF	>60" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	19.89
		For >250 To 500, Deduct	-0.99
		For >500 To 1,000, Deduct	-1.99
		For >1,000 To 2,000, Deduct	-2.98
		For >2,000 To 5,000, Deduct	-3.98
		For >5,000, Deduct	-4.97
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	14.92

33 01 30 41-0024 Flushing Of Storm Water Pipelines (33 01 30 41-0002)

Note: To remove silt and small debris from storm drainage pipes. Excludes disposal.

33 01 30 41-0025	LF	12" To 16" Diameter Pipe Line Flushing	1.45
		For >250 To 500, Deduct	-0.07
		For >500 To 1,000, Deduct	-0.15
		For >1,000 To 2,000, Deduct	-0.22
		For >2,000 To 5,000, Deduct	-0.29
		For >5,000, Deduct	-0.36
33 01 30 41-0026	LF	>16" To 24" Diameter Pipe Line Flushing	1.67
		For >250 To 500, Deduct	-0.08
		For >500 To 1,000, Deduct	-0.17
		For >1,000 To 2,000, Deduct	-0.25
		For >2,000 To 5,000, Deduct	-0.33
		For >5,000, Deduct	-0.42
33 01 30 41-0027	LF	>24" To 30" Diameter Pipe Line Flushing	1.95
		For >250 To 500, Deduct	-0.10
		For >500 To 1,000, Deduct	-0.20
		For >1,000 To 2,000, Deduct	-0.29
		For >2,000 To 5,000, Deduct	-0.39
		For >5,000, Deduct	-0.49
33 01 30 41-0028	LF	>30" To 42" Diameter Pipe Line Flushing	2.25
		For >250 To 500, Deduct	-0.11
		For >500 To 1,000, Deduct	-0.23
		For >1,000 To 2,000, Deduct	-0.34
		For >2,000 To 5,000, Deduct	-0.45
		For >5,000, Deduct	-0.56
33 01 30 41-0029	LF	>42" To 60" Diameter Pipe Line Flushing	2.99
		For >250 To 500, Deduct	-0.15
		For >500 To 1,000, Deduct	-0.30
		For >1,000 To 2,000, Deduct	-0.45
		For >2,000 To 5,000, Deduct	-0.60
		For >5,000, Deduct	-0.75

33 01 30 41-0030 Hydro Jet Cleaning Of Culverts (33 01 30 41-0002)

33 01 30 41-0031	LF	Jet Cleaning Of Culvert, 0-250 LF	17.81
		For >250 To 500, Deduct	-0.89
		For >500 To 1,000, Deduct	-1.78
		For >1,000 To 2,000, Deduct	-2.67
		For >2,000 To 5,000, Deduct	-3.56
		For >5,000, Deduct	-4.45

33 01 30 41-0032 Pipe Line Cleaning, Mechanical Method (33 01 30 41-0001)

Note: Power winching buckets, scrapers, scooters, porcupines, brushes and other debris removing equipment. Includes removal of all debris/waste. Excludes disposal.

33 01 30 41-0033	EA	Initial Set Up And Final Equipment Removal For Mechanical Cleaning	1,249.52
33 01 30 41-0034	EA	Move And Reset Up At Different Access/Location	416.51
33 01 30 41-0035	LF	Up To 4" Diameter Pipe Line Cleaning, Mechanical Method	7.25
		For >250 To 500, Deduct	-0.35
		For >500 To 1,000, Deduct	-0.69
		For >1,000 To 2,000, Deduct	-1.04
		For >2,000 To 5,000, Deduct	-1.39
		For >5,000, Deduct	-1.74
33 01 30 41-0036	LF	6" Diameter Pipe Line Cleaning, Mechanical Method	9.54
		For >250 To 500, Deduct	-0.45
		For >500 To 1,000, Deduct	-0.89
		For >1,000 To 2,000, Deduct	-1.34
		For >2,000 To 5,000, Deduct	-1.78
		For >5,000, Deduct	-2.23
33 01 30 41-0037	LF	8" Diameter Pipe Line Cleaning, Mechanical Method	11.18
		For >250 To 500, Deduct	-0.52
		For >500 To 1,000, Deduct	-1.04
		For >1,000 To 2,000, Deduct	-1.56
		For >2,000 To 5,000, Deduct	-2.08
		For >5,000, Deduct	-2.60

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
33 01 30 41-0038	LF		10" Diameter Pipe Line Cleaning, Mechanical Method	12.94	
			For >250 To 500, Deduct	-0.60	
			For >500 To 1,000, Deduct	-1.20	
			For >1,000 To 2,000, Deduct	-1.80	
			For >2,000 To 5,000, Deduct	-2.40	
			For >5,000, Deduct	-3.00	
33 01 30 41-0039	LF		12" Diameter Pipe Line Cleaning, Mechanical Method	14.09	
			For >250 To 500, Deduct	-0.65	
			For >500 To 1,000, Deduct	-1.30	
			For >1,000 To 2,000, Deduct	-1.95	
			For >2,000 To 5,000, Deduct	-2.60	
			For >5,000, Deduct	-3.25	
33 01 30 41-0040	LF		>12" To 16" Diameter Pipe Line Cleaning, Mechanical Method	16.27	
			For >250 To 500, Deduct	-0.74	
			For >500 To 1,000, Deduct	-1.49	
			For >1,000 To 2,000, Deduct	-2.23	
			For >2,000 To 5,000, Deduct	-2.98	
			For >5,000, Deduct	-3.72	
33 01 30 41-0041	LF		>16" To 24" Diameter Pipe Line Cleaning, Mechanical Method	20.54	
			For >250 To 500, Deduct	-0.92	
			For >500 To 1,000, Deduct	-1.84	
			For >1,000 To 2,000, Deduct	-2.76	
			For >2,000 To 5,000, Deduct	-3.67	
			For >5,000, Deduct	-4.59	
33 01 30 41-0042	LF		>24" To 30" Diameter Pipe Line Cleaning, Mechanical Method	23.59	
			For >250 To 500, Deduct	-1.02	
			For >500 To 1,000, Deduct	-2.05	
			For >1,000 To 2,000, Deduct	-3.07	
			For >2,000 To 5,000, Deduct	-4.10	
			For >5,000, Deduct	-5.12	
33 01 30 41-0043	LF		>30" To 42" Diameter Pipe Line Cleaning, Mechanical Method	27.45	
			For >250 To 500, Deduct	-1.18	
			For >500 To 1,000, Deduct	-2.36	
			For >1,000 To 2,000, Deduct	-3.54	
			For >2,000 To 5,000, Deduct	-4.72	
			For >5,000, Deduct	-5.90	
33 01 30 41-0044	LF		>42 To 60" Diameter Pipe Line Cleaning, Mechanical Method	35.88	
			For >250 To 500, Deduct	-1.56	
			For >500 To 1,000, Deduct	-3.12	
			For >1,000 To 2,000, Deduct	-4.68	
			For >2,000 To 5,000, Deduct	-6.25	
			For >5,000, Deduct	-7.81	
33 01 30 41-0045	LF		>60" Diameter Pipe Line Cleaning, Mechanical Method	40.91	
			For >250 To 500, Deduct	-1.74	
			For >500 To 1,000, Deduct	-3.47	
			For >1,000 To 2,000, Deduct	-5.21	
			For >2,000 To 5,000, Deduct	-6.94	
			For >5,000, Deduct	-8.68	
33 01 30 41-0046			Pipe Line Auguring/Rod Out Pipe (33 01 30 41-0001)		
33 01 30 41-0047	EA		Initial Set Up And Final Equipment Removal For Auguring	1,249.52	
33 01 30 41-0048	EA		Move And Reset Up At Different Location	416.51	
33 01 30 41-0049	LF		Up To 4" Diameter Pipe Line Auguring/Rod Out	4.17	
			For >250 To 500, Deduct	-0.21	
			For >500 To 1,000, Deduct	-0.42	
			For >1,000 To 2,000, Deduct	-0.63	
			For >2,000 To 5,000, Deduct	-0.83	
			For >5,000, Deduct	-1.04	
33 01 30 41-0050	LF		6" Diameter Pipe Line Auguring/Rod Out	5.39	
			For >250 To 500, Deduct	-0.27	
			For >500 To 1,000, Deduct	-0.54	
			For >1,000 To 2,000, Deduct	-0.81	
			For >2,000 To 5,000, Deduct	-1.08	
			For >5,000, Deduct	-1.35	
33 01 30 41-0051	LF		8" Diameter Pipe Line Auguring/Rod Out	6.25	
			For >250 To 500, Deduct	-0.31	
			For >500 To 1,000, Deduct	-0.63	
			For >1,000 To 2,000, Deduct	-0.94	
			For >2,000 To 5,000, Deduct	-1.25	
			For >5,000, Deduct	-1.56	
33 01 30 41-0052	LF		10" Diameter Pipe Line Auguring/Rod Out	7.27	
			For >250 To 500, Deduct	-0.36	
			For >500 To 1,000, Deduct	-0.73	
			For >1,000 To 2,000, Deduct	-1.09	
			For >2,000 To 5,000, Deduct	-1.45	
			For >5,000, Deduct	-1.82	
33 01 30 41-0053	LF		12" Diameter Pipe Line Auguring/Rod Out	7.81	
			For >250 To 500, Deduct	-0.39	
			For >500 To 1,000, Deduct	-0.78	
			For >1,000 To 2,000, Deduct	-1.17	
			For >2,000 To 5,000, Deduct	-1.56	
			For >5,000, Deduct	-1.95	
33 01 30 41-0054	LF		>12" To 16" Diameter Pipe Line Auguring/Rod Out	8.92	
			For >250 To 500, Deduct	-0.45	
			For >500 To 1,000, Deduct	-0.89	
			For >1,000 To 2,000, Deduct	-1.34	
			For >2,000 To 5,000, Deduct	-1.78	
			For >5,000, Deduct	-2.23	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 01 30 41-0055	LF	>16" To 24" Diameter Pipe Line Auguring/Rod Out	10.96	
		For >250 To 500, Deduct	-0.55	
		For >500 To 1,000, Deduct	-1.10	
		For >1,000 To 2,000, Deduct	-1.64	
		For >2,000 To 5,000, Deduct	-2.19	
		For >5,000, Deduct	-2.74	
33 01 30 41-0056	LF	>24" To 30" Diameter Pipe Line Auguring/Rod Out	12.25	
		For >250 To 500, Deduct	-0.61	
		For >500 To 1,000, Deduct	-1.23	
		For >1,000 To 2,000, Deduct	-1.84	
		For >2,000 To 5,000, Deduct	-2.45	
		For >5,000, Deduct	-3.06	
33 01 30 41-0057	LF	>30" To 42" Diameter Pipe Line Auguring/Rod Out	14.20	
		For >250 To 500, Deduct	-0.71	
		For >500 To 1,000, Deduct	-1.42	
		For >1,000 To 2,000, Deduct	-2.13	
		For >2,000 To 5,000, Deduct	-2.84	
		For >5,000, Deduct	-3.55	
33 01 30 41-0058	LF	>42 To 60" Diameter Pipe Line Auguring/Rod Out	19.53	
		For >250 To 500, Deduct	-0.98	
		For >500 To 1,000, Deduct	-1.95	
		For >1,000 To 2,000, Deduct	-2.93	
		For >2,000 To 5,000, Deduct	-3.91	
		For >5,000, Deduct	-4.88	
33 01 30 41-0059	LF	>60" Diameter Pipe Line Auguring/Rod Out	20.83	
		For >250 To 500, Deduct	-1.04	
		For >500 To 1,000, Deduct	-2.08	
		For >1,000 To 2,000, Deduct	-3.12	
		For >2,000 To 5,000, Deduct	-4.17	
		For >5,000, Deduct	-5.21	

33 01 30 42 Cleaning of Manholes (33 01 30)

33 01 30 42-0001 Structure Cleaning And Flushing (33 01 30 42)
Note: Includes flushing. Owner provided water.

33 01 30 42-0002 Rod Out Structures And Other Hand Operations (33 01 30 42-0001)

33 01 30 42-0003	EA	Rod Out Waste Water Drain	54.74	
33 01 30 42-0004	EA	Rod Out Sewer Catch Basin	109.47	
33 01 30 42-0005	EA	Up To 6" Diameter Pipe, Rod Out Blockage	21.90	
33 01 30 42-0006	EA	8" Diameter Pipe, Rod Out Blockage	24.08	
33 01 30 42-0007	EA	10" Diameter Pipe, Rod Out Blockage	27.37	
33 01 30 42-0008	EA	12" Diameter Pipe, Rod Out Blockage	31.74	
33 01 30 42-0009	EA	>12" To 16" Diameter Pipe, Rod Out Blockage	37.21	
33 01 30 42-0010	EA	>16" To 24" Diameter Pipe, Rod Out Blockage	43.78	
33 01 30 42-0011	EA	>24" To 30" Diameter Pipe, Rod Out Blockage	51.45	
33 01 30 42-0012	EA	>30" To 42" Diameter Pipe, Rod Out Blockage	59.11	
33 01 30 42-0013	EA	>42" To 60" Diameter Pipe, Rod Out Blockage	68.97	
33 01 30 42-0014	EA	>60" Diameter Pipe, Rod Out Blockage	82.10	
33 01 30 42-0015	EA	Clean Out Debris From Entrance To Inlet Structure	273.67	
33 01 30 42-0016	EA	3' To 4' Diameter, Clean Out Blocked Manhole By Hand	897.35	
		For >10 To 100, Deduct	-134.60	
		For >100 To 250, Deduct	-201.90	
		For >250, Deduct	-269.21	
33 01 30 42-0017	EA	5' To 6' Diameter, Clean Out Blocked Manhole By Hand	1,076.82	
		For >10 To 100, Deduct	-161.52	
		For >100 To 250, Deduct	-242.28	
		For >250, Deduct	-323.05	
33 01 30 42-0018	EA	Clean Out Blocked Catch Basin By Hand	538.41	
		For >10 To 100, Deduct	-80.76	
		For >100 To 250, Deduct	-121.14	
		For >250, Deduct	-161.52	

33 01 30 42-0019 Cleaning Manholes And Drainage Structures With Jet/Vacuum (33 01 30 42-0001)

Note: Includes the removal of debris with high pressure water jetting and vacuum equipment and cleaning of grate. Excludes hardened concrete debris and disposal of material.

33 01 30 42-0020	EA	Jet/Vacuum Clean 1 To 2 Catch Basins Or Manholes	288.38	
33 01 30 42-0021	EA	Jet/Vacuum Clean 3 To 10 Catch Basins Or Manholes	268.13	
33 01 30 42-0022	EA	Jet/Vacuum Clean 11 To 25 Catch Basins Or Manholes	247.87	
33 01 30 42-0023	EA	Jet/Vacuum Clean 26 To 100 Catch Basins Or Manholes	227.63	
33 01 30 42-0024	EA	Jet/Vacuum Clean 101 To 250 Catch Basins Or Manholes	207.37	
33 01 30 42-0025	EA	Jet/Vacuum Clean >250 Catch Basins Or Manholes	187.12	

33 01 30 43 Removal of Protruding Service Connection (33 01 30)

33 01 30 43-0001 Trim Protruding Service Taps (33 01 30 43)

33 01 30 43-0002	EA	Trim Protruding Service Tap, 4", Robotic	742.68	
33 01 30 43-0003	EA	Trim Protruding Service Tap, 6", Robotic	816.95	
33 01 30 43-0004	EA	Trim Protruding Service Tap, 8", Robotic	891.22	

33 01 30 51 Maintenance of Utilities (33 01 30)

33 01 30 51-0001 Pipe Repair (33 01 30 51)

Note: Excludes excavation and backfill where required See CSI section 31 23 00 00-0000 for excavation and backfill.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0002		Pipe Repair Clamp, Full Circle, Single Band (33 01 30 51-0001) Note: Repair clamps for asbestos cement pipe, cast iron soil pipe, non-reinforced concrete pipe, PVC pipe, vitrified clay pipe, gray iron pipe and ductile iron pipe.		
33 01 30 51-0003	EA	2" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	130.73 20.64	
33 01 30 51-0004	EA	2" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	184.93 31.10	
33 01 30 51-0005	EA	2" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	213.32 36.63	
33 01 30 51-0006	EA	2" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	242.84 42.14	
33 01 30 51-0007	EA	2-1/2" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	140.94 22.41	
33 01 30 51-0008	EA	2-1/2" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	196.50 33.19	
33 01 30 51-0009	EA	2-1/2" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	224.94 38.59	
33 01 30 51-0010	EA	2-1/2" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	259.68 45.15	
33 01 30 51-0011	EA	3" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	151.35 24.52	
33 01 30 51-0012	EA	3" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	204.30 34.70	
33 01 30 51-0013	EA	3" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	235.92 40.68	
33 01 30 51-0014	EA	3" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	274.62 48.30	
33 01 30 51-0015	EA	4" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	170.40 27.88	
33 01 30 51-0016	EA	4" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	224.72 37.53	
33 01 30 51-0017	EA	4" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	272.43 45.68	
33 01 30 51-0018	EA	4" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	328.17 55.11	
33 01 30 51-0019	EA	4" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	428.11 74.02	
33 01 30 51-0020	EA	4" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	532.19 92.93	
33 01 30 51-0021	EA	4" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	648.96 113.99	
33 01 30 51-0022	EA	6" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	200.25 32.90	
33 01 30 51-0023	EA	6" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	265.55 44.63	
33 01 30 51-0024	EA	6" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	314.62 52.62	
33 01 30 51-0025	EA	6" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	368.86 61.15	
33 01 30 51-0026	EA	6" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	508.84 88.61	
33 01 30 51-0027	EA	6" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	618.55 108.06	
33 01 30 51-0028	EA	6" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	738.76 129.12	
33 01 30 51-0029	EA	8" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	262.66 39.36	
33 01 30 51-0030	EA	8" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	340.86 52.08	
33 01 30 51-0031	EA	8" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	411.33 63.02	
33 01 30 51-0032	EA	8" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	491.29 75.10	
33 01 30 51-0033	EA	8" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	650.31 104.04	
33 01 30 51-0034	EA	8" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	777.79 124.41	
33 01 30 51-0035	EA	8" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	921.58 146.43	
33 01 30 51-0036	EA	10" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	306.68 47.90	
33 01 30 51-0037	EA	10" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	411.09 66.26	
33 01 30 51-0038	EA	10" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	484.44 77.47	
33 01 30 51-0039	EA	10" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	593.98 95.82	
33 01 30 51-0040	EA	10" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	777.92 129.97	
33 01 30 51-0041	EA	10" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	886.75 145.27	
33 01 30 51-0042	EA	10" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	1,138.78 191.65	
33 01 30 51-0043	EA	12" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	349.34 54.03	
33 01 30 51-0044	EA	12" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	455.47 71.86	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 01 30 51-0045	EA	12" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	549.71	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	86.96	
33 01 30 51-0046	EA	12" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	675.76	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	108.06	
33 01 30 51-0047	EA	12" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	867.69	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	142.72	
33 01 30 51-0048	EA	12" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	1,021.00	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	166.67	
33 01 30 51-0049	EA	12" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	1,295.44	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	216.11	

33 01 30 51-0050 Pipe Repair Clamp, Full Circle, Double Bands (33 01 30 51-0001)

Note: Repair clamps for reinforced concrete pipe, gray iron pipe and ductile iron pipe.

33 01 30 51-0051	EA	14.38" To 15.13" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	767.06	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	207.89	
33 01 30 51-0052	EA	14.38" To 15.13" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,085.57	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	300.12	
33 01 30 51-0053	EA	14.38" To 15.13" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,460.79	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	407.00	
33 01 30 51-0054	EA	14.38" To 15.13" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,146.90	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	613.43	
33 01 30 51-0055	EA	15.07" To 15.82" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	805.16	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	218.12	
33 01 30 51-0056	EA	15.07" To 15.82" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,136.44	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	314.03	
33 01 30 51-0057	EA	15.07" To 15.82" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,525.61	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	424.56	
33 01 30 51-0058	EA	15.07" To 15.82" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,250.70	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	642.70	
33 01 30 51-0059	EA	15.92" To 16.67" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	826.12	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	222.53	
33 01 30 51-0060	EA	15.92" To 16.67" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,163.98	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	319.90	
33 01 30 51-0061	EA	15.92" To 16.67" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,566.20	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	434.08	
33 01 30 51-0062	EA	15.92" To 16.67" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,308.75	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	656.60	
33 01 30 51-0063	EA	16.56" To 17.31" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	848.19	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	226.92	
33 01 30 51-0064	EA	16.56" To 17.31" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,195.38	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	326.48	
33 01 30 51-0065	EA	16.56" To 17.31" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,605.89	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	442.13	
33 01 30 51-0066	EA	16.56" To 17.31" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,366.98	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	669.79	
33 01 30 51-0067	EA	17.15" To 17.90" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	868.14	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	230.58	
33 01 30 51-0068	EA	17.15" To 17.90" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,222.43	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	331.60	
33 01 30 51-0069	EA	17.15" To 17.90" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,645.57	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	450.18	
33 01 30 51-0070	EA	17.15" To 17.90" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,419.90	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	680.76	
33 01 30 51-0071	EA	17.82" To 18.57" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	886.92	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	234.25	
33 01 30 51-0072	EA	17.82" To 18.57" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,249.96	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	337.45	
33 01 30 51-0073	EA	17.82" To 18.57" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,680.86	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	457.50	
33 01 30 51-0074	EA	17.82" To 18.57" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,454.30	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	686.25	
33 01 30 51-0075	EA	18.46" To 19.21" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	908.33	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	238.81	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0076	EA		18.46" To 19.21" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228).....	1,282.36	
			<i>For Stainless Steel Nuts And Bolts, Add</i>	344.77	
33 01 30 51-0077	EA		18.46" To 19.21" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228).....	1,718.24	
			<i>For Stainless Steel Nuts And Bolts, Add</i>	465.55	
33 01 30 51-0078	EA		18.46" To 19.21" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228).....	2,528.55	
			<i>For Stainless Steel Nuts And Bolts, Add</i>	705.65	
33 01 30 51-0079			PolySeal Pipe Coupler (33 01 30 51-0001)		
33 01 30 51-0080	EA		18" Diameter Pipe, PolySeal Repair Couplers (MarMac).....	356.97	
33 01 30 51-0081	EA		24" Diameter Pipe, PolySeal Repair Couplers (MarMac).....	403.00	
33 01 30 51-0082			Repair Couplings and Fittings (33 01 30 51-0001)		
33 01 30 51-0083			Couplings And Fittings For Copper Pipe, Compression (33 01 30 51-0082)		
			Note: Includes gaskets. Dresser style 88.		
33 01 30 51-0084			Copper Compression Repair Couplings (33 01 30 51-0083)		
33 01 30 51-0085	EA		1/2" Copper Compression Repair Coupling.....	95.37	
33 01 30 51-0086	EA		3/4" Copper Compression Repair Coupling.....	110.78	
33 01 30 51-0087	EA		1" Copper Compression Repair Coupling.....	130.29	
33 01 30 51-0088	EA		1-1/4" Copper Compression Repair Coupling.....	146.45	
33 01 30 51-0089	EA		1-1/2" Copper Compression Repair Coupling.....	228.41	
33 01 30 51-0090			Copper Compression Repair Fitting, 90 Degree Elbows (33 01 30 51-0083)		
33 01 30 51-0091	EA		1/2" Copper Compression Repair 90 Degree Elbow.....	115.51	
33 01 30 51-0092	EA		1" Copper Compression Repair 90 Degree Elbow.....	133.17	
33 01 30 51-0093	EA		1-1/2" Copper Compression Repair 90 Degree Elbow.....	274.17	
33 01 30 51-0094	EA		1" IPS x 1" CTS 90 Degree Plain End Street Elbow.....	106.22	
33 01 30 51-0095	EA		3/4" IPS x 3/4" CTS 90 Degree Threaded End Street Elbow.....	95.70	
33 01 30 51-0096	EA		1" IPS x 1" CTS 90 Degree Threaded End Street Elbow.....	112.04	
33 01 30 51-0097	EA		1-1/4" IPS x 1" CTS 90 Degree Threaded End Street Elbow.....	139.18	
33 01 30 51-0098			Copper Compression Repair Fitting, Tees (33 01 30 51-0083)		
33 01 30 51-0099	EA		1/2" Copper Compression Repair Tee.....	213.37	
33 01 30 51-0100	EA		3/4" Copper Compression Repair Tee.....	162.60	
33 01 30 51-0101	EA		1" Copper Compression Repair Tee.....	193.34	
33 01 30 51-0102	EA		1" F x 1" M x 1" CTS Street Tee.....	157.66	
33 01 30 51-0103			Copper Compression Repair Fitting, Male Adapters (33 01 30 51-0083)		
33 01 30 51-0104	EA		3/4" M x 1/2" CTS Male Adapter.....	100.23	
33 01 30 51-0105	EA		3/4" M x 3/4" CTS Male Adapter.....	79.65	
33 01 30 51-0106	EA		1" M x 1" CTS Male Adapter.....	90.24	
33 01 30 51-0107	EA		1-1/4" M x 1" CTS Male Adapter.....	109.10	
33 01 30 51-0108	EA		1-1/4" M x 1-1/4" CTS Male Adapter.....	131.74	
33 01 30 51-0109	EA		1-1/2" M x 1" CTS Male Adapter.....	143.33	
33 01 30 51-0110			Copper Compression Repair Fitting, Female Adapters (33 01 30 51-0083)		
33 01 30 51-0111	EA		3/4" M x 3/4" CTS Female Adapter.....	117.88	
33 01 30 51-0112	EA		1" M x 1" CTS Female Adapter.....	124.13	
33 01 30 51-0113			Couplings And Fittings For Steel Pipe, Cast Body, Compression (33 01 30 51-0082)		
			Note: Includes gaskets. Dresser style 90.		
33 01 30 51-0114			Couplings For Steel Pipe, Cast Body (Compression) (33 01 30 51-0113)		
			Note: Includes gaskets.		
33 01 30 51-0115	EA		1/2" Coupling, Cast Body (Compression), 5" Middle Ring.....	77.03	
33 01 30 51-0116	EA		3/4" Coupling, Cast Body (Compression), 5" Middle Ring.....	76.83	
33 01 30 51-0117	EA		1" Coupling, Cast Body (Compression), 5" Middle Ring.....	86.22	
33 01 30 51-0118	EA		1-1/4" Coupling, Cast Body (Compression), 5" Middle Ring.....	95.72	
33 01 30 51-0119	EA		1-1/2" Coupling, Cast Body (Compression), 5" Middle Ring.....	118.16	
33 01 30 51-0120	EA		2" Coupling, Cast Body (Compression), 5" Middle Ring.....	143.96	
33 01 30 51-0121	EA		1/2" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket.....	79.34	
33 01 30 51-0122	EA		3/4" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket.....	79.39	
33 01 30 51-0123	EA		1" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket.....	86.60	
33 01 30 51-0124	EA		1-1/4" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket.....	96.91	
33 01 30 51-0125	EA		1-1/2" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket.....	122.05	
33 01 30 51-0126	EA		2" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket.....	145.68	
33 01 30 51-0127	EA		3/4" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket.....	156.38	
33 01 30 51-0128	EA		1" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket.....	182.97	
33 01 30 51-0129	EA		1-1/4" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket.....	189.45	
33 01 30 51-0130	EA		1-1/2" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket.....	211.69	
33 01 30 51-0131	EA		2" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket.....	257.82	
33 01 30 51-0132			Reducing Couplings For Steel Pipe (Compression) (33 01 30 51-0113)		
			Note: Includes armored gaskets.		

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 01 30 51-0133	EA	3/4" x 1/2" Reducing Coupling (Compression).....	84.57
33 01 30 51-0134	EA	1" x 3/4" Reducing Coupling (Compression).....	88.74
33 01 30 51-0135	EA	1-1/4" x 3/4" Reducing Coupling (Compression).....	99.95
33 01 30 51-0136	EA	1-1/4" x 1" Reducing Coupling (Compression).....	104.22
33 01 30 51-0137	EA	1-1/2" x 3/4" Reducing Coupling (Compression).....	207.41
33 01 30 51-0138	EA	1-1/2" x 1" Reducing Coupling (Compression).....	124.79
33 01 30 51-0139	EA	1-1/2" x 1-1/4" Reducing Coupling (Compression).....	125.39
33 01 30 51-0140	EA	2" x 3/4" Reducing Coupling (Compression).....	247.65
33 01 30 51-0141	EA	2" x 1" Reducing Coupling (Compression).....	223.91
33 01 30 51-0142	EA	2" x 1-1/4" Reducing Coupling (Compression).....	167.44
33 01 30 51-0143	EA	2" x 1-1/2" Reducing Coupling (Compression).....	166.81

33 01 30 51-0144 Steel Compression Repair Fittings, Elbows (33 01 30 51-0113)

Note: Includes armored gaskets.

33 01 30 51-0145	EA	1" 45 Degree Elbow (Compression).....	143.22
33 01 30 51-0146	EA	1-1/4" 45 Degree Elbow (Compression).....	148.36
33 01 30 51-0147	EA	1-1/2" 45 Degree Elbow (Compression).....	192.06
33 01 30 51-0148	EA	2" 45 Degree Elbow (Compression).....	243.21
33 01 30 51-0149	EA	3/4" 90 Degree Elbow (Compression).....	94.42
33 01 30 51-0150	EA	1" 90 Degree Elbow (Compression).....	96.98
33 01 30 51-0151	EA	1-1/4" 90 Degree Elbow (Compression).....	113.83
33 01 30 51-0152	EA	1-1/2" 90 Degree Elbow (Compression).....	164.06
33 01 30 51-0153	EA	2" 90 Degree Elbow (Compression).....	178.46
33 01 30 51-0154	EA	3/4" Plain End 90 Degree Street Elbow (Compression).....	94.74
33 01 30 51-0155	EA	1" Plain End 90 Degree Street Elbow (Compression).....	81.59
33 01 30 51-0156	EA	1-1/4" Plain End 90 Degree Street Elbow (Compression).....	92.05
33 01 30 51-0157	EA	1-1/2" Plain End 90 Degree Street Elbow (Compression).....	116.57
33 01 30 51-0158	EA	2" Plain End 90 Degree Street Elbow (Compression).....	151.60
33 01 30 51-0159	EA	3/4" Threaded End 90 Degree Street Elbow (Compression).....	98.09
33 01 30 51-0160	EA	1" Threaded End 90 Degree Street Elbow (Compression).....	87.85
33 01 30 51-0161	EA	1-1/4" Threaded End 90 Degree Street Elbow (Compression).....	115.32
33 01 30 51-0162	EA	1-1/2" Threaded End 90 Degree Street Elbow (Compression).....	138.77
33 01 30 51-0163	EA	2" Threaded End 90 Degree Street Elbow (Compression).....	199.09

33 01 30 51-0164 Steel Compression Repair Fittings, Tees (33 01 30 51-0113)

Note: Includes armored gaskets.

33 01 30 51-0165	EA	3/4" Street Tee (Compression).....	101.26
33 01 30 51-0166	EA	1" Street Tee (Compression).....	119.29
33 01 30 51-0167	EA	1-1/4" Street Tee (Compression).....	119.04
33 01 30 51-0168	EA	1-1/2" Street Tee (Compression).....	136.21
33 01 30 51-0169	EA	2" Street Tee (Compression).....	211.18
33 01 30 51-0170	EA	1-1/4" x 1-1/4" x 1" Reducing Street Tee (Compression).....	117.83
33 01 30 51-0171	EA	1-1/4" x 1" x 1-1/4" Reducing Street Tee (Compression).....	123.90
33 01 30 51-0172	EA	1-1/2" x 1-1/2" x 1" Reducing Street Tee (Compression).....	155.21
33 01 30 51-0173	EA	1-1/2" x 1-1/2" x 1-1/4" Reducing Street Tee (Compression).....	182.61
33 01 30 51-0174	EA	1-1/2" x 1" x 1-1/2" Reducing Street Tee (Compression).....	183.82
33 01 30 51-0175	EA	1-1/2" x 1-1/4" x 1-1/2" Reducing Street Tee (Compression).....	152.63
33 01 30 51-0176	EA	2" x 1-1/4" x 2" Reducing Street Tee (Compression).....	205.25
33 01 30 51-0177	EA	2" x 1-1/2" x 2" Reducing Street Tee (Compression).....	235.70
33 01 30 51-0178	EA	3/4" Welding Street Tee (Compression).....	192.59
33 01 30 51-0179	EA	1" Welding Street Tee (Compression).....	191.58
33 01 30 51-0180	EA	1-1/4" Welding Street Tee (Compression).....	204.71
33 01 30 51-0181	EA	1-1/2" Welding Street Tee (Compression).....	245.80
33 01 30 51-0182	EA	2" Welding Street Tee (Compression).....	333.41
33 01 30 51-0183	EA	3/4" Regular Tee (Compression).....	139.46
33 01 30 51-0184	EA	1" Regular Tee (Compression).....	249.54
33 01 30 51-0185	EA	1-1/4" Regular Tee (Compression).....	262.55
33 01 30 51-0186	EA	1-1/2" Regular Tee (Compression).....	279.72
33 01 30 51-0187	EA	2" Regular Tee (Compression).....	308.75
33 01 30 51-0188	EA	2" x 2" x 1-1/4" Regular Reducing Tee (Compression).....	303.88

33 01 30 51-0189 Steel Compression Repair Fittings, Male Adapters (33 01 30 51-0113)

Note: Includes armored gaskets.

33 01 30 51-0190	EA	3/4" Male Adapter (Compression).....	94.14
33 01 30 51-0191	EA	1" Male Adapter (Compression).....	104.57
33 01 30 51-0192	EA	1-1/4" Male Adapter (Compression).....	137.56
33 01 30 51-0193	EA	1-1/2" Male Adapter (Compression).....	154.32
33 01 30 51-0194	EA	2" Male Adapter (Compression).....	173.36
33 01 30 51-0195	EA	1" x 1-1/4" Male Adapter (Compression).....	136.78

33 01 30 51-0196 Steel Compression Repair Fittings, Line Caps (33 01 30 51-0113)

Note: Includes armored gaskets.

33 01 30 51-0197	EA	3/4" Line Caps (Compression).....	50.82
33 01 30 51-0198	EA	1" Line Caps (Compression).....	59.16
33 01 30 51-0199	EA	1-1/4" Line Caps (Compression).....	67.64
33 01 30 51-0200	EA	1-1/2" Line Caps (Compression).....	79.28
33 01 30 51-0201	EA	2" Line Caps (Compression).....	98.09

33 01 30 51-0202 Couplings For Steel Pipe (33 01 30 51-0082)

Note: Includes Buna S gasket. Dresser style 38

	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 01 30 51-0203	EA	1/2" Coupling, 3-1/2" Middle Ring With Buna S Gasket.....	74.72	
33 01 30 51-0204	EA	3/4" Coupling, 5" Middle Ring With Buna S Gasket.....	91.99	
33 01 30 51-0205	EA	1" Coupling, 5" Middle Ring With Buna S Gasket.....	105.06	
33 01 30 51-0206	EA	1-1/2" Coupling, 5" Middle Ring With Buna S Gasket.....	124.51	
33 01 30 51-0207	EA	2" Coupling, 4" Middle Ring With Buna S Gasket.....	153.99	
33 01 30 51-0208	EA	2" Coupling, 5" Middle Ring With Buna S Gasket.....	207.50	
33 01 30 51-0209	EA	2" Coupling, 7" Middle Ring With Buna S Gasket.....	194.18	
33 01 30 51-0210	EA	3" Coupling, 4" Middle Ring With Buna S Gasket.....	252.48	
33 01 30 51-0211	EA	3" Coupling, 5" Middle Ring With Buna S Gasket.....	260.54	
33 01 30 51-0212	EA	3" Coupling, 7" Middle Ring With Buna S Gasket.....	268.60	
33 01 30 51-0213	EA	4" Coupling, 4" Middle Ring With Buna S Gasket.....	290.83	
33 01 30 51-0214	EA	4" Coupling, 5" Middle Ring With Buna S Gasket.....	304.51	
33 01 30 51-0215	EA	4" Coupling, 7" Middle Ring With Buna S Gasket.....	321.65	
33 01 30 51-0216	EA	5" Coupling, 4" Middle Ring With Buna S Gasket.....	378.25	
33 01 30 51-0217	EA	5" Coupling, 5" Middle Ring With Buna S Gasket.....	383.65	
33 01 30 51-0218	EA	5" Coupling, 7" Middle Ring With Buna S Gasket.....	403.31	
33 01 30 51-0219	EA	6" Coupling, 4" Middle Ring With Buna S Gasket.....	401.65	
33 01 30 51-0220	EA	6" Coupling, 5" Middle Ring With Buna S Gasket.....	416.26	
33 01 30 51-0221	EA	6" Coupling, 7" Middle Ring With Buna S Gasket.....	434.91	
33 01 30 51-0222	EA	8" Coupling, 4" Middle Ring With Buna S Gasket.....	468.27	
33 01 30 51-0223	EA	8" Coupling, 5" Middle Ring With Buna S Gasket.....	489.86	
33 01 30 51-0224	EA	8" Coupling, 7" Middle Ring With Buna S Gasket.....	507.59	
33 01 30 51-0225	EA	10" Coupling, 5" Middle Ring With Buna S Gasket.....	580.05	
33 01 30 51-0226	EA	10" Coupling, 7" Middle Ring With Buna S Gasket.....	682.00	
33 01 30 51-0227	EA	12" Coupling, 5" Middle Ring With Buna S Gasket.....	659.50	
33 01 30 51-0228	EA	12" Coupling, 7" Middle Ring With Buna S Gasket.....	875.61	
33 01 30 51-0229	EA	14" Coupling, 7" Middle Ring With Buna S Gasket.....	1,014.83	
33 01 30 51-0230	EA	16" Coupling, 7" Middle Ring With Buna S Gasket.....	1,217.83	
33 01 30 51-0231	EA	18" Coupling, 7" Middle Ring With Buna S Gasket.....	1,340.81	
33 01 30 51-0232	EA	20" Coupling, 7" Middle Ring With Buna S Gasket.....	1,447.68	
33 01 30 51-0233	EA	22" Coupling, 7" Middle Ring With Buna S Gasket.....	1,824.51	
33 01 30 51-0234	EA	24" Coupling, 7" Middle Ring With Buna S Gasket.....	1,919.29	

33 01 30 51-0235

Couplings For Steel Pipe (33 01 30 51-0082)

Note: Includes Buna S gasket, protected, Dresser style 38.

33 01 30 51-0236	EA	1/2" Coupling, 3-1/2" Middle Ring With Buna S Gasket, Protected.....	77.03	
33 01 30 51-0237	EA	3/4" Coupling, 5" Middle Ring With Buna S Gasket, Protected.....	91.67	
33 01 30 51-0238	EA	1" Coupling, 5" Middle Ring With Buna S Gasket, Protected.....	104.92	
33 01 30 51-0239	EA	1-1/2" Coupling, 5" Middle Ring With Buna S Gasket, Protected.....	123.44	
33 01 30 51-0240	EA	2" Coupling, 4" Middle Ring With Buna S Gasket, Protected.....	184.73	
33 01 30 51-0241	EA	2" Coupling, 5" Middle Ring With Buna S Gasket, Protected.....	180.50	
33 01 30 51-0242	EA	2" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	182.62	
33 01 30 51-0243	EA	3" Coupling, 4" Middle Ring With Buna S Gasket, Protected.....	268.60	
33 01 30 51-0244	EA	3" Coupling, 5" Middle Ring With Buna S Gasket, Protected.....	276.66	
33 01 30 51-0245	EA	3" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	284.72	
33 01 30 51-0246	EA	4" Coupling, 4" Middle Ring With Buna S Gasket, Protected.....	312.79	
33 01 30 51-0247	EA	4" Coupling, 5" Middle Ring With Buna S Gasket, Protected.....	298.58	
33 01 30 51-0248	EA	4" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	306.06	
33 01 30 51-0249	EA	5" Coupling, 4" Middle Ring With Buna S Gasket, Protected.....	406.54	
33 01 30 51-0250	EA	5" Coupling, 5" Middle Ring With Buna S Gasket, Protected.....	410.48	
33 01 30 51-0251	EA	5" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	593.30	
33 01 30 51-0252	EA	6" Coupling, 4" Middle Ring With Buna S Gasket, Protected.....	410.29	
33 01 30 51-0253	EA	6" Coupling, 5" Middle Ring With Buna S Gasket, Protected.....	431.27	
33 01 30 51-0254	EA	6" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	439.37	
33 01 30 51-0255	EA	8" Coupling, 4" Middle Ring With Buna S Gasket, Protected.....	515.15	
33 01 30 51-0256	EA	8" Coupling, 5" Middle Ring With Buna S Gasket, Protected.....	523.11	
33 01 30 51-0257	EA	8" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	535.94	
33 01 30 51-0258	EA	10" Coupling, 5" Middle Ring With Buna S Gasket, Protected.....	599.40	
33 01 30 51-0259	EA	10" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	702.15	
33 01 30 51-0260	EA	12" Coupling, 5" Middle Ring With Buna S Gasket, Protected.....	679.65	
33 01 30 51-0261	EA	12" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	895.32	
33 01 30 51-0262	EA	14" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	1,034.98	
33 01 30 51-0263	EA	16" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	1,248.05	
33 01 30 51-0264	EA	18" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	1,381.11	
33 01 30 51-0265	EA	20" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	1,487.97	
33 01 30 51-0266	EA	22" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	1,864.81	
33 01 30 51-0267	EA	24" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	1,959.58	

33 01 30 51-0268

Couplings For Steel Pipe (33 01 30 51-0082)

Note: Includes Buna N gasket, protected, Dresser style 38.

33 01 30 51-0269	EA	1/2" Coupling, 3-1/2" Middle Ring With Buna N Gasket, Protected.....	91.36	
33 01 30 51-0270	EA	3/4" Coupling, 5" Middle Ring With Buna N Gasket, Protected.....	106.25	
33 01 30 51-0271	EA	1" Coupling, 5" Middle Ring With Buna N Gasket, Protected.....	122.03	
33 01 30 51-0272	EA	1-1/2" Coupling, 5" Middle Ring With Buna N Gasket, Protected.....	145.66	
33 01 30 51-0273	EA	2" Coupling, 4" Middle Ring With Buna N Gasket, Protected.....	184.73	
33 01 30 51-0274	EA	2" Coupling, 5" Middle Ring With Buna N Gasket, Protected.....	220.72	
33 01 30 51-0275	EA	2" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	232.69	
33 01 30 51-0276	EA	3" Coupling, 4" Middle Ring With Buna N Gasket, Protected.....	268.60	
33 01 30 51-0277	EA	3" Coupling, 5" Middle Ring With Buna N Gasket, Protected.....	276.66	
33 01 30 51-0278	EA	3" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	284.72	
33 01 30 51-0279	EA	4" Coupling, 4" Middle Ring With Buna N Gasket, Protected.....	312.79	
33 01 30 51-0280	EA	4" Coupling, 5" Middle Ring With Buna N Gasket, Protected.....	341.52	
33 01 30 51-0281	EA	4" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	352.44	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 01 30 51-0282	EA	5" Coupling, 4" Middle Ring With Buna N Gasket, Protected.....	406.54
33 01 30 51-0283	EA	5" Coupling, 5" Middle Ring With Buna N Gasket, Protected.....	410.48
33 01 30 51-0284	EA	5" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	456.62
33 01 30 51-0285	EA	6" Coupling, 4" Middle Ring With Buna N Gasket, Protected.....	410.29
33 01 30 51-0286	EA	6" Coupling, 5" Middle Ring With Buna N Gasket, Protected.....	431.27
33 01 30 51-0287	EA	6" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	439.37
33 01 30 51-0288	EA	8" Coupling, 4" Middle Ring With Buna N Gasket, Protected.....	515.15
33 01 30 51-0289	EA	8" Coupling, 5" Middle Ring With Buna N Gasket, Protected.....	523.11
33 01 30 51-0290	EA	8" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	535.94
33 01 30 51-0291	EA	10" Coupling, 5" Middle Ring With Buna N Gasket, Protected.....	599.40
33 01 30 51-0292	EA	10" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	702.15
33 01 30 51-0293	EA	12" Coupling, 5" Middle Ring With Buna N Gasket, Protected.....	679.65
33 01 30 51-0294	EA	12" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	895.32
33 01 30 51-0295	EA	14" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	1,034.98
33 01 30 51-0296	EA	16" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	1,217.83
33 01 30 51-0297	EA	18" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	1,381.11
33 01 30 51-0298	EA	20" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	1,487.97
33 01 30 51-0299	EA	22" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	1,864.81
33 01 30 51-0300	EA	24" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	1,959.58

33 01 30 51-0301**Couplings For Steel Pipe** (33 01 30 51-0082)

Note: Includes high temperature carded glass gasket, protected. Dresser style 38.

33 01 30 51-0302	EA	3/4" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket.....	156.81
33 01 30 51-0303	EA	1" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket.....	168.25
33 01 30 51-0304	EA	1-1/2" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket.....	173.85
33 01 30 51-0305	EA	2" Coupling, 4" Middle Ring With High Temp Carded Glass Gasket.....	269.96
33 01 30 51-0306	EA	2" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket.....	292.00
33 01 30 51-0307	EA	2" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	303.23
33 01 30 51-0308	EA	3" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket.....	346.27
33 01 30 51-0309	EA	3" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	343.73
33 01 30 51-0310	EA	4" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket.....	381.82
33 01 30 51-0311	EA	4" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	392.74
33 01 30 51-0312	EA	5" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket.....	535.60
33 01 30 51-0313	EA	5" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	550.09
33 01 30 51-0314	EA	6" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket.....	567.99
33 01 30 51-0315	EA	6" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	577.60
33 01 30 51-0316	EA	8" Coupling, 4" Middle Ring With High Temp Carded Glass Gasket.....	584.28
33 01 30 51-0317	EA	8" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket.....	728.48
33 01 30 51-0318	EA	8" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	787.29
33 01 30 51-0319	EA	10" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket.....	800.05
33 01 30 51-0320	EA	10" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	799.85
33 01 30 51-0321	EA	12" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket.....	1,022.85
33 01 30 51-0322	EA	12" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	1,067.14
33 01 30 51-0323	EA	14" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	1,237.35
33 01 30 51-0324	EA	16" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	1,559.99
33 01 30 51-0325	EA	18" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	1,518.12
33 01 30 51-0326	EA	20" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	1,695.50
33 01 30 51-0327	EA	22" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	1,838.62
33 01 30 51-0328	EA	24" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	1,999.88

33 01 30 51-0329**Grind Offset Joint** (33 01 30 51-0001)

33 01 30 51-0330	EA	6" To 10", Grind Drop Offset Joint.....	445.61
33 01 30 51-0331	EA	>10" To 15", Grind Drop Offset Joint.....	594.15
33 01 30 51-0332	EA	>15" To 24", Grind Drop Offset Joint.....	742.68
33 01 30 51-0333	EA	>24" To 30", Grind Drop Offset Joint.....	891.22

33 01 30 51-0334**Pipe Plugging** (33 01 30 51-0001)**33 01 30 51-0335****Gravity Bladder Type, Temporary Pipe Plugging** (33 01 30 51-0334)

Note: Includes insertion of expandable bladder device into pipe, expanding to block flow and removal.

33 01 30 51-0336	EA	3/4" Bladder Type, Temporary Pipe Plug.....	79.42
33 01 30 51-0337	EA	1" Bladder Type, Temporary Pipe Plug.....	84.96
33 01 30 51-0338	EA	1-1/4" Bladder Type, Temporary Pipe Plug.....	91.51
33 01 30 51-0339	EA	1-1/2" Bladder Type, Temporary Pipe Plug.....	97.66
33 01 30 51-0340	EA	2" Bladder Type, Temporary Pipe Plug.....	103.60
33 01 30 51-0341	EA	2-1/2" Bladder Type, Temporary Pipe Plug.....	110.15
33 01 30 51-0342	EA	3" Bladder Type, Temporary Pipe Plug.....	118.25
33 01 30 51-0343	EA	4" Bladder Type, Temporary Pipe Plug.....	130.02
33 01 30 51-0344	EA	5" Bladder Type, Temporary Pipe Plug.....	140.95
33 01 30 51-0345	EA	6" Bladder Type, Temporary Pipe Plug.....	157.31
33 01 30 51-0346	EA	8" Bladder Type, Temporary Pipe Plug.....	174.58
33 01 30 51-0347	EA	10" Bladder Type, Temporary Pipe Plug.....	202.40
33 01 30 51-0348	EA	12" Bladder Type, Temporary Pipe Plug.....	235.30
33 01 30 51-0349	EA	14" Bladder Type, Temporary Pipe Plug.....	280.33
33 01 30 51-0350	EA	16" Bladder Type, Temporary Pipe Plug.....	337.84
33 01 30 51-0351	EA	18" Bladder Type, Temporary Pipe Plug.....	406.91
33 01 30 51-0352	EA	20" Bladder Type, Temporary Pipe Plug.....	483.81
33 01 30 51-0353	EA	24" Bladder Type, Temporary Pipe Plug.....	558.11

33 01 30 51-0354**Hydra Stop, Hot Tapping Of Pressure Pipe** (33 01 30 51-0334)

Note: Includes flanged or threaded lateral outlet, cutting and tapping pipe, insertion of expandable bladder device into pipe, expanding to block flow, and removal of bladder/cutting device.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0355	EA	2" Hydra Stop, Line Stopper	2,828.15	
33 01 30 51-0356	EA	2-1/2" Hydra Stop, Line Stopper	3,548.99	
33 01 30 51-0357	EA	3" Hydra Stop, Line Stopper	4,352.59	
33 01 30 51-0358	EA	4" Hydra Stop, Line Stopper	5,242.43	
33 01 30 51-0359	EA	5" Hydra Stop, Line Stopper	5,897.72	
33 01 30 51-0360	EA	6" Hydra Stop, Line Stopper	6,932.40	
33 01 30 51-0361	EA	8" Hydra Stop, Line Stopper	7,587.69	
33 01 30 51-0362	EA	10" Hydra Stop, Line Stopper	8,622.34	
33 01 30 51-0363	EA	12" Hydra Stop, Line Stopper	9,657.03	
33 01 30 51-0364	EA	14" Hydra Stop, Line Stopper	10,760.66	
33 01 30 51-0365	EA	16" Hydra Stop, Line Stopper	12,278.24	
33 01 30 51-0366	EA	18" Hydra Stop, Line Stopper	14,002.73	
33 01 30 51-0367	EA	20" Hydra Stop, Line Stopper	16,692.84	
33 01 30 51-0368 Aluminum Expansion Plugs (33 01 30 51-0334)				
Note: For use with PVC, clay Or cast iron drainage pipe.				
33 01 30 51-0369	EA	3" Pipe Aluminum Expansion Plug	79.72	
33 01 30 51-0370	EA	4" Pipe Aluminum Expansion Plug	115.32	
33 01 30 51-0371	EA	5" Pipe Aluminum Expansion Plug	130.02	
33 01 30 51-0372	EA	6" Pipe Aluminum Expansion Plug	198.26	
33 01 30 51-0373	EA	8" Pipe Aluminum Expansion Plug	203.66	
33 01 30 51-0374	EA	10" Pipe Aluminum Expansion Plug.....	255.14	
33 01 30 51-0375	EA	12" Pipe Aluminum Expansion Plug.....	345.70	
33 01 30 51-0376	EA	14" Pipe Aluminum Expansion Plug.....	559.61	
33 01 30 51-0377	EA	15" Pipe Aluminum Expansion Plug.....	606.21	
33 01 30 71 Relining Sewers (33 01 30)				
33 01 30 71-0001 Relining Underground Pipelines (33 01 30 71)				
Note: Excludes CCTV inspection, sewer cleaning, pavement both temporary and permanent, emergency after hour response for owners' backups. See CSI section 32 01 17 63-0000 for temporary pavement, 32 12 16 00-0000 for permanent pavement, 33 01 30 11-0000 for CCTV inspection, 33 01 30 41-0002 for sewer cleaning.				
33 01 30 71-0002 Lining Pipe, Spray Applied With Structural Polyurethane (33 01 30 71-0001)				
Note: Two part structural polyurethane.				
33 01 30 71-0003 Mobilization And Setup For Spray Applied Structural Polyurethane Lining (33 01 30 71-0002)				
33 01 30 71-0004	EA	Initial Set Up And Final Equipment Removal For Spray Applied Structural Polyurethane Lining.....	1,877.27	
33 01 30 71-0005 Lining Pipe, Spray Applied With 100 mil Structural Polyurethane (33 01 30 71-0002)				
Note: Two part structural polyurethane.				
33 01 30 71-0006	LF	36" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	60.74	
		For Up To 75, Add	13.16	
		For >75 To 150, Add	6.07	
		For >500 To 1,000, Deduct	-1.62	
		For >1,000 To 2,000, Deduct	-3.14	
		For >2,000 To 5,000, Deduct	-4.86	
		For >5,000, Deduct	-7.09	
33 01 30 71-0007	LF	42" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	70.86	
		For Up To 75, Add	15.35	
		For >75 To 150, Add	7.09	
		For >500 To 1,000, Deduct	-1.89	
		For >1,000 To 2,000, Deduct	-3.66	
		For >2,000 To 5,000, Deduct	-5.67	
		For >5,000, Deduct	-8.27	
33 01 30 71-0008	LF	48" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	80.98	
		For Up To 75, Add	17.55	
		For >75 To 150, Add	8.10	
		For >500 To 1,000, Deduct	-2.16	
		For >1,000 To 2,000, Deduct	-4.18	
		For >2,000 To 5,000, Deduct	-6.48	
		For >5,000, Deduct	-9.45	
33 01 30 71-0009	LF	54" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	91.11	
		For Up To 75, Add	19.74	
		For >75 To 150, Add	9.11	
		For >500 To 1,000, Deduct	-2.43	
		For >1,000 To 2,000, Deduct	-4.71	
		For >2,000 To 5,000, Deduct	-7.29	
		For >5,000, Deduct	-10.63	
33 01 30 71-0010	LF	60" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	101.23	
		For Up To 75, Add	21.93	
		For >75 To 150, Add	10.12	
		For >500 To 1,000, Deduct	-2.70	
		For >1,000 To 2,000, Deduct	-5.23	
		For >2,000 To 5,000, Deduct	-8.10	
		For >5,000, Deduct	-11.81	
33 01 30 71-0011	LF	66" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	111.36	
		For Up To 75, Add	24.13	
		For >75 To 150, Add	11.14	
		For >500 To 1,000, Deduct	-2.97	
		For >1,000 To 2,000, Deduct	-5.75	
		For >2,000 To 5,000, Deduct	-8.91	
		For >5,000, Deduct	-12.99	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 01 30 71-0012	LF	72" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	121.47
		For Up To 75, Add	26.32
		For >75 To 150, Add	12.15
		For >500 To 1,000, Deduct	-3.24
		For >1,000 To 2,000, Deduct	-6.28
		For >2,000 To 5,000, Deduct	-9.72
		For >5,000, Deduct	-14.17
33 01 30 71-0013	LF	78" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	131.60
		For Up To 75, Add	28.51
		For >75 To 150, Add	13.16
		For >500 To 1,000, Deduct	-3.51
		For >1,000 To 2,000, Deduct	-6.80
		For >2,000 To 5,000, Deduct	-10.53
		For >5,000, Deduct	-15.35
33 01 30 71-0014	LF	84" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	141.72
		For Up To 75, Add	30.71
		For >75 To 150, Add	14.17
		For >500 To 1,000, Deduct	-3.78
		For >1,000 To 2,000, Deduct	-7.32
		For >2,000 To 5,000, Deduct	-11.34
		For >5,000, Deduct	-16.53
33 01 30 71-0015	LF	90" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	151.84
		For Up To 75, Add	32.90
		For >75 To 150, Add	15.18
		For >500 To 1,000, Deduct	-4.05
		For >1,000 To 2,000, Deduct	-7.85
		For >2,000 To 5,000, Deduct	-12.15
		For >5,000, Deduct	-17.72
33 01 30 71-0016	LF	96" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	161.96
		For Up To 75, Add	35.09
		For >75 To 150, Add	16.20
		For >500 To 1,000, Deduct	-4.32
		For >1,000 To 2,000, Deduct	-8.37
		For >2,000 To 5,000, Deduct	-12.96
		For >5,000, Deduct	-18.90
33 01 30 71-0017	LF	102" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	172.09
		For Up To 75, Add	37.29
		For >75 To 150, Add	17.21
		For >500 To 1,000, Deduct	-4.59
		For >1,000 To 2,000, Deduct	-8.89
		For >2,000 To 5,000, Deduct	-13.77
		For >5,000, Deduct	-20.08
33 01 30 71-0018	LF	108" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	182.21
		For Up To 75, Add	39.48
		For >75 To 150, Add	18.22
		For >500 To 1,000, Deduct	-4.86
		For >1,000 To 2,000, Deduct	-9.41
		For >2,000 To 5,000, Deduct	-14.58
		For >5,000, Deduct	-21.26
33 01 30 71-0019	LF	114" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	192.34
		For Up To 75, Add	41.67
		For >75 To 150, Add	19.23
		For >500 To 1,000, Deduct	-5.13
		For >1,000 To 2,000, Deduct	-9.94
		For >2,000 To 5,000, Deduct	-15.39
		For >5,000, Deduct	-22.44
33 01 30 71-0020	LF	120" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	202.46
		For Up To 75, Add	43.87
		For >75 To 150, Add	20.25
		For >500 To 1,000, Deduct	-5.40
		For >1,000 To 2,000, Deduct	-10.46
		For >2,000 To 5,000, Deduct	-16.20
		For >5,000, Deduct	-23.62
33 01 30 71-0021	SF	Structure Lining, Spray Applied With 100 mil Structural Polyurethane	6.45

33 01 30 71-0022 Lining Pipe, Spray Applied With 150 mil Structural Polyurethane
(33 01 30 71-0002)

Note: Two part structural polyurethane.

33 01 30 71-0023	LF	36" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	82.08
		For Up To 75, Add	17.48
		For >75 To 150, Add	8.21
		For >500 To 1,000, Deduct	-2.07
		For >1,000 To 2,000, Deduct	-4.03
		For >2,000 To 5,000, Deduct	-6.20
		For >5,000, Deduct	-9.27
33 01 30 71-0024	LF	42" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	95.77
		For Up To 75, Add	20.40
		For >75 To 150, Add	9.58
		For >500 To 1,000, Deduct	-2.41
		For >1,000 To 2,000, Deduct	-4.70
		For >2,000 To 5,000, Deduct	-7.24
		For >5,000, Deduct	-10.82
33 01 30 71-0025	LF	48" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	109.44
		For Up To 75, Add	23.31
		For >75 To 150, Add	10.94
		For >500 To 1,000, Deduct	-2.76
		For >1,000 To 2,000, Deduct	-5.37
		For >2,000 To 5,000, Deduct	-8.27
		For >5,000, Deduct	-12.37

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0026	LF		54" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	123.12	
			For Up To 75, Add	26.22	
			For >75 To 150, Add	12.31	
			For >500 To 1,000, Deduct	-3.10	
			For >1,000 To 2,000, Deduct	-6.04	
			For >2,000 To 5,000, Deduct	-9.31	
			For >5,000, Deduct	-13.91	
33 01 30 71-0027	LF		60" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	136.81	
			For Up To 75, Add	29.14	
			For >75 To 150, Add	13.68	
			For >500 To 1,000, Deduct	-3.45	
			For >1,000 To 2,000, Deduct	-6.72	
			For >2,000 To 5,000, Deduct	-10.34	
			For >5,000, Deduct	-15.46	
33 01 30 71-0028	LF		66" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	150.48	
			For Up To 75, Add	32.05	
			For >75 To 150, Add	15.05	
			For >500 To 1,000, Deduct	-3.79	
			For >1,000 To 2,000, Deduct	-7.39	
			For >2,000 To 5,000, Deduct	-11.37	
			For >5,000, Deduct	-17.00	
33 01 30 71-0029	LF		72" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	164.18	
			For Up To 75, Add	34.97	
			For >75 To 150, Add	16.42	
			For >500 To 1,000, Deduct	-4.14	
			For >1,000 To 2,000, Deduct	-8.06	
			For >2,000 To 5,000, Deduct	-12.41	
			For >5,000, Deduct	-18.55	
33 01 30 71-0030	LF		78" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	177.84	
			For Up To 75, Add	37.88	
			For >75 To 150, Add	17.78	
			For >500 To 1,000, Deduct	-4.48	
			For >1,000 To 2,000, Deduct	-8.73	
			For >2,000 To 5,000, Deduct	-13.44	
			For >5,000, Deduct	-20.09	
33 01 30 71-0031	LF		84" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	191.53	
			For Up To 75, Add	40.79	
			For >75 To 150, Add	19.15	
			For >500 To 1,000, Deduct	-4.83	
			For >1,000 To 2,000, Deduct	-9.40	
			For >2,000 To 5,000, Deduct	-14.48	
			For >5,000, Deduct	-21.64	
33 01 30 71-0032	LF		90" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	205.21	
			For Up To 75, Add	43.71	
			For >75 To 150, Add	20.52	
			For >500 To 1,000, Deduct	-5.17	
			For >1,000 To 2,000, Deduct	-10.07	
			For >2,000 To 5,000, Deduct	-15.51	
			For >5,000, Deduct	-23.19	
33 01 30 71-0033	LF		96" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	218.89	
			For Up To 75, Add	46.62	
			For >75 To 150, Add	21.89	
			For >500 To 1,000, Deduct	-5.51	
			For >1,000 To 2,000, Deduct	-10.75	
			For >2,000 To 5,000, Deduct	-16.54	
			For >5,000, Deduct	-24.73	
33 01 30 71-0034	LF		102" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	232.57	
			For Up To 75, Add	49.53	
			For >75 To 150, Add	23.26	
			For >500 To 1,000, Deduct	-5.86	
			For >1,000 To 2,000, Deduct	-11.42	
			For >2,000 To 5,000, Deduct	-17.58	
			For >5,000, Deduct	-26.28	
33 01 30 71-0035	LF		108" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	246.25	
			For Up To 75, Add	52.45	
			For >75 To 150, Add	24.63	
			For >500 To 1,000, Deduct	-6.20	
			For >1,000 To 2,000, Deduct	-12.09	
			For >2,000 To 5,000, Deduct	-18.61	
			For >5,000, Deduct	-27.82	
33 01 30 71-0036	LF		114" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	259.93	
			For Up To 75, Add	55.36	
			For >75 To 150, Add	25.99	
			For >500 To 1,000, Deduct	-6.55	
			For >1,000 To 2,000, Deduct	-12.76	
			For >2,000 To 5,000, Deduct	-19.65	
			For >5,000, Deduct	-29.37	
33 01 30 71-0037	LF		120" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	273.62	
			For Up To 75, Add	58.28	
			For >75 To 150, Add	27.36	
			For >500 To 1,000, Deduct	-6.89	
			For >1,000 To 2,000, Deduct	-13.43	
			For >2,000 To 5,000, Deduct	-20.68	
			For >5,000, Deduct	-30.92	
33 01 30 71-0038	SF		Structure Lining, Spray Applied With 150 mil Structural Polyurethane	8.71	

33 01 30 71-0039 Lining Pipe, Spray Applied With 200 mil Structural Polyurethane (33 01 30 71-0002)
 Note: Two part structural polyurethane.

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 01 30 71-0040	LF	36" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	103.41
		For Up To 75, Add	21.80
		For >75 To 150, Add	10.34
		For >500 To 1,000, Deduct	-2.52
		For >1,000 To 2,000, Deduct	-4.92
		For >2,000 To 5,000, Deduct	-7.55
		For >5,000, Deduct	-11.46
33 01 30 71-0041	LF	42" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	120.65
		For Up To 75, Add	25.44
		For >75 To 150, Add	12.07
		For >500 To 1,000, Deduct	-2.94
		For >1,000 To 2,000, Deduct	-5.74
		For >2,000 To 5,000, Deduct	-8.81
		For >5,000, Deduct	-13.37
33 01 30 71-0042	LF	48" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	137.87
		For Up To 75, Add	29.07
		For >75 To 150, Add	13.79
		For >500 To 1,000, Deduct	-3.36
		For >1,000 To 2,000, Deduct	-6.56
		For >2,000 To 5,000, Deduct	-10.07
		For >5,000, Deduct	-15.28
33 01 30 71-0043	LF	54" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	155.12
		For Up To 75, Add	32.71
		For >75 To 150, Add	15.51
		For >500 To 1,000, Deduct	-3.78
		For >1,000 To 2,000, Deduct	-7.38
		For >2,000 To 5,000, Deduct	-11.33
		For >5,000, Deduct	-17.20
33 01 30 71-0044	LF	60" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	172.36
		For Up To 75, Add	36.34
		For >75 To 150, Add	17.24
		For >500 To 1,000, Deduct	-4.20
		For >1,000 To 2,000, Deduct	-8.20
		For >2,000 To 5,000, Deduct	-12.59
		For >5,000, Deduct	-19.11
33 01 30 71-0045	LF	66" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	189.58
		For Up To 75, Add	39.97
		For >75 To 150, Add	18.96
		For >500 To 1,000, Deduct	-4.61
		For >1,000 To 2,000, Deduct	-9.02
		For >2,000 To 5,000, Deduct	-13.84
		For >5,000, Deduct	-21.01
33 01 30 71-0046	LF	72" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	206.82
		For Up To 75, Add	43.61
		For >75 To 150, Add	20.68
		For >500 To 1,000, Deduct	-5.03
		For >1,000 To 2,000, Deduct	-9.84
		For >2,000 To 5,000, Deduct	-15.10
		For >5,000, Deduct	-22.93
33 01 30 71-0047	LF	78" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	224.05
		For Up To 75, Add	47.24
		For >75 To 150, Add	22.41
		For >500 To 1,000, Deduct	-5.45
		For >1,000 To 2,000, Deduct	-10.66
		For >2,000 To 5,000, Deduct	-16.36
		For >5,000, Deduct	-24.84
33 01 30 71-0048	LF	84" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	241.30
		For Up To 75, Add	50.88
		For >75 To 150, Add	24.13
		For >500 To 1,000, Deduct	-5.87
		For >1,000 To 2,000, Deduct	-11.48
		For >2,000 To 5,000, Deduct	-17.62
		For >5,000, Deduct	-26.75
33 01 30 71-0049	LF	90" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	258.52
		For Up To 75, Add	54.51
		For >75 To 150, Add	25.85
		For >500 To 1,000, Deduct	-6.29
		For >1,000 To 2,000, Deduct	-12.30
		For >2,000 To 5,000, Deduct	-18.88
		For >5,000, Deduct	-28.66
33 01 30 71-0050	LF	96" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	275.77
		For Up To 75, Add	58.15
		For >75 To 150, Add	27.58
		For >500 To 1,000, Deduct	-6.71
		For >1,000 To 2,000, Deduct	-13.13
		For >2,000 To 5,000, Deduct	-20.14
		For >5,000, Deduct	-30.57
33 01 30 71-0051	LF	102" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	292.99
		For Up To 75, Add	61.78
		For >75 To 150, Add	29.30
		For >500 To 1,000, Deduct	-7.13
		For >1,000 To 2,000, Deduct	-13.94
		For >2,000 To 5,000, Deduct	-21.39
		For >5,000, Deduct	-32.48
33 01 30 71-0052	LF	108" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	310.23
		For Up To 75, Add	65.41
		For >75 To 150, Add	31.02
		For >500 To 1,000, Deduct	-7.55
		For >1,000 To 2,000, Deduct	-14.77
		For >2,000 To 5,000, Deduct	-22.65
		For >5,000, Deduct	-34.39

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0053 LF 114" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	327.48	
For Up To 75, Add	69.05	
For >75 To 150, Add	32.75	
For >500 To 1,000, Deduct	-7.97	
For >1,000 To 2,000, Deduct	-15.59	
For >2,000 To 5,000, Deduct	-23.91	
For >5,000, Deduct	-36.30	
33 01 30 71-0054 LF 120" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	344.70	
For Up To 75, Add	72.68	
For >75 To 150, Add	34.47	
For >500 To 1,000, Deduct	-8.39	
For >1,000 To 2,000, Deduct	-16.41	
For >2,000 To 5,000, Deduct	-25.17	
For >5,000, Deduct	-38.21	
33 01 30 71-0055 SF Structure Lining, Spray Applied With 200 mil Structural Polyurethane	10.98	
 33 01 30 71-0056 Lining Pipe, Spray Applied With 250 mil Structural Polyurethane (33 01 30 71-0002)		
Note: Two part structural polyurethane.		
33 01 30 71-0057 LF 36" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	124.84	
For Up To 75, Add	26.15	
For >75 To 150, Add	12.48	
For >500 To 1,000, Deduct	-2.97	
For >1,000 To 2,000, Deduct	-5.82	
For >2,000 To 5,000, Deduct	-8.91	
For >5,000, Deduct	-13.67	
33 01 30 71-0058 LF 42" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	145.65	
For Up To 75, Add	30.51	
For >75 To 150, Add	14.57	
For >500 To 1,000, Deduct	-3.46	
For >1,000 To 2,000, Deduct	-6.79	
For >2,000 To 5,000, Deduct	-10.39	
For >5,000, Deduct	-15.94	
33 01 30 71-0059 LF 48" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	166.45	
For Up To 75, Add	34.86	
For >75 To 150, Add	16.65	
For >500 To 1,000, Deduct	-3.96	
For >1,000 To 2,000, Deduct	-7.76	
For >2,000 To 5,000, Deduct	-11.88	
For >5,000, Deduct	-18.22	
33 01 30 71-0060 LF 54" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	187.25	
For Up To 75, Add	39.22	
For >75 To 150, Add	18.73	
For >500 To 1,000, Deduct	-4.45	
For >1,000 To 2,000, Deduct	-8.73	
For >2,000 To 5,000, Deduct	-13.36	
For >5,000, Deduct	-20.50	
33 01 30 71-0061 LF 60" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	208.06	
For Up To 75, Add	43.58	
For >75 To 150, Add	20.81	
For >500 To 1,000, Deduct	-4.95	
For >1,000 To 2,000, Deduct	-9.70	
For >2,000 To 5,000, Deduct	-14.85	
For >5,000, Deduct	-22.77	
33 01 30 71-0062 LF 66" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	228.86	
For Up To 75, Add	47.94	
For >75 To 150, Add	22.89	
For >500 To 1,000, Deduct	-5.44	
For >1,000 To 2,000, Deduct	-10.67	
For >2,000 To 5,000, Deduct	-16.33	
For >5,000, Deduct	-25.05	
33 01 30 71-0063 LF 72" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	249.67	
For Up To 75, Add	52.30	
For >75 To 150, Add	24.97	
For >500 To 1,000, Deduct	-5.94	
For >1,000 To 2,000, Deduct	-11.64	
For >2,000 To 5,000, Deduct	-17.81	
For >5,000, Deduct	-27.33	
33 01 30 71-0064 LF 78" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	270.47	
For Up To 75, Add	56.65	
For >75 To 150, Add	27.05	
For >500 To 1,000, Deduct	-6.43	
For >1,000 To 2,000, Deduct	-12.61	
For >2,000 To 5,000, Deduct	-19.30	
For >5,000, Deduct	-29.61	
33 01 30 71-0065 LF 84" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	291.28	
For Up To 75, Add	61.01	
For >75 To 150, Add	29.13	
For >500 To 1,000, Deduct	-6.93	
For >1,000 To 2,000, Deduct	-13.58	
For >2,000 To 5,000, Deduct	-20.78	
For >5,000, Deduct	-31.88	
33 01 30 71-0066 LF 90" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	312.09	
For Up To 75, Add	65.37	
For >75 To 150, Add	31.21	
For >500 To 1,000, Deduct	-7.42	
For >1,000 To 2,000, Deduct	-14.55	
For >2,000 To 5,000, Deduct	-22.27	
For >5,000, Deduct	-34.16	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 01 30 71-0067	LF	96" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	332.89	
		For Up To 75, Add	69.73	
		For >75 To 150, Add	33.29	
		For >500 To 1,000, Deduct	-7.92	
		For >1,000 To 2,000, Deduct	-15.52	
		For >2,000 To 5,000, Deduct	-23.75	
		For >5,000, Deduct	-36.44	
33 01 30 71-0068	LF	102" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	353.69	
		For Up To 75, Add	74.08	
		For >75 To 150, Add	35.37	
		For >500 To 1,000, Deduct	-8.41	
		For >1,000 To 2,000, Deduct	-16.49	
		For >2,000 To 5,000, Deduct	-25.24	
		For >5,000, Deduct	-38.71	
33 01 30 71-0069	LF	108" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	374.51	
		For Up To 75, Add	78.45	
		For >75 To 150, Add	37.45	
		For >500 To 1,000, Deduct	-8.91	
		For >1,000 To 2,000, Deduct	-17.46	
		For >2,000 To 5,000, Deduct	-26.72	
		For >5,000, Deduct	-40.99	
33 01 30 71-0070	LF	114" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	395.31	
		For Up To 75, Add	82.80	
		For >75 To 150, Add	39.53	
		For >500 To 1,000, Deduct	-9.40	
		For >1,000 To 2,000, Deduct	-18.43	
		For >2,000 To 5,000, Deduct	-28.21	
		For >5,000, Deduct	-43.27	
33 01 30 71-0071	LF	120" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	416.12	
		For Up To 75, Add	87.16	
		For >75 To 150, Add	41.61	
		For >500 To 1,000, Deduct	-9.90	
		For >1,000 To 2,000, Deduct	-19.40	
		For >2,000 To 5,000, Deduct	-29.69	
		For >5,000, Deduct	-45.55	
33 01 30 71-0072	SF	Structure Lining, Spray Applied With 250 mil Structural Polyurethane	13.24	

33 01 30 71-0073 Lining Pipe, Spray Applied With 300 mil Structural Polyurethane (33 01 30 71-0002)

Note: Two part structural polyurethane.

33 01 30 71-0074	LF	36" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	146.41	
		For Up To 75, Add	30.53	
		For >75 To 150, Add	14.64	
		For >500 To 1,000, Deduct	-3.43	
		For >1,000 To 2,000, Deduct	-6.73	
		For >2,000 To 5,000, Deduct	-10.28	
		For >5,000, Deduct	-15.88	
33 01 30 71-0075	LF	42" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	170.80	
		For Up To 75, Add	35.61	
		For >75 To 150, Add	17.08	
		For >500 To 1,000, Deduct	-4.00	
		For >1,000 To 2,000, Deduct	-7.85	
		For >2,000 To 5,000, Deduct	-11.99	
		For >5,000, Deduct	-18.53	
33 01 30 71-0076	LF	48" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	195.20	
		For Up To 75, Add	40.70	
		For >75 To 150, Add	19.52	
		For >500 To 1,000, Deduct	-4.57	
		For >1,000 To 2,000, Deduct	-8.97	
		For >2,000 To 5,000, Deduct	-13.70	
		For >5,000, Deduct	-21.18	
33 01 30 71-0077	LF	54" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	219.59	
		For Up To 75, Add	45.78	
		For >75 To 150, Add	21.96	
		For >500 To 1,000, Deduct	-5.14	
		For >1,000 To 2,000, Deduct	-10.09	
		For >2,000 To 5,000, Deduct	-15.41	
		For >5,000, Deduct	-23.82	
33 01 30 71-0078	LF	60" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	244.00	
		For Up To 75, Add	50.87	
		For >75 To 150, Add	24.40	
		For >500 To 1,000, Deduct	-5.71	
		For >1,000 To 2,000, Deduct	-11.21	
		For >2,000 To 5,000, Deduct	-17.13	
		For >5,000, Deduct	-26.47	
33 01 30 71-0079	LF	66" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	268.40	
		For Up To 75, Add	55.96	
		For >75 To 150, Add	26.84	
		For >500 To 1,000, Deduct	-6.28	
		For >1,000 To 2,000, Deduct	-12.33	
		For >2,000 To 5,000, Deduct	-18.84	
		For >5,000, Deduct	-29.12	
33 01 30 71-0080	LF	72" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	292.79	
		For Up To 75, Add	61.04	
		For >75 To 150, Add	29.28	
		For >500 To 1,000, Deduct	-6.85	
		For >1,000 To 2,000, Deduct	-13.45	
		For >2,000 To 5,000, Deduct	-20.55	
		For >5,000, Deduct	-31.77	

MINOR CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0081	LF 78" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	317.19	
	For Up To 75, Add	66.13	
	For >75 To 150, Add	31.72	
	For >500 To 1,000, Deduct	-7.42	
	For >1,000 To 2,000, Deduct	-14.57	
	For >2,000 To 5,000, Deduct	-22.26	
	For >5,000, Deduct	-34.41	
33 01 30 71-0082	LF 84" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	341.59	
	For Up To 75, Add	71.22	
	For >75 To 150, Add	34.16	
	For >500 To 1,000, Deduct	-7.99	
	For >1,000 To 2,000, Deduct	-15.69	
	For >2,000 To 5,000, Deduct	-23.98	
	For >5,000, Deduct	-37.06	
33 01 30 71-0083	LF 90" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	366.00	
	For Up To 75, Add	76.31	
	For >75 To 150, Add	36.60	
	For >500 To 1,000, Deduct	-8.56	
	For >1,000 To 2,000, Deduct	-16.82	
	For >2,000 To 5,000, Deduct	-25.69	
	For >5,000, Deduct	-39.71	
33 01 30 71-0084	LF 96" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	390.39	
	For Up To 75, Add	81.39	
	For >75 To 150, Add	39.04	
	For >500 To 1,000, Deduct	-9.13	
	For >1,000 To 2,000, Deduct	-17.94	
	For >2,000 To 5,000, Deduct	-27.40	
	For >5,000, Deduct	-42.35	
33 01 30 71-0085	LF 102" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	414.80	
	For Up To 75, Add	86.48	
	For >75 To 150, Add	41.48	
	For >500 To 1,000, Deduct	-9.71	
	For >1,000 To 2,000, Deduct	-19.06	
	For >2,000 To 5,000, Deduct	-29.12	
	For >5,000, Deduct	-45.00	
33 01 30 71-0086	LF 108" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	439.20	
	For Up To 75, Add	91.57	
	For >75 To 150, Add	43.92	
	For >500 To 1,000, Deduct	-10.28	
	For >1,000 To 2,000, Deduct	-20.18	
	For >2,000 To 5,000, Deduct	-30.83	
	For >5,000, Deduct	-47.65	
33 01 30 71-0087	LF 114" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	463.59	
	For Up To 75, Add	96.65	
	For >75 To 150, Add	46.36	
	For >500 To 1,000, Deduct	-10.85	
	For >1,000 To 2,000, Deduct	-21.30	
	For >2,000 To 5,000, Deduct	-32.54	
	For >5,000, Deduct	-50.30	
33 01 30 71-0088	LF 120" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	487.99	
	For Up To 75, Add	101.74	
	For >75 To 150, Add	48.80	
	For >500 To 1,000, Deduct	-11.42	
	For >1,000 To 2,000, Deduct	-22.42	
	For >2,000 To 5,000, Deduct	-34.25	
	For >5,000, Deduct	-52.94	
33 01 30 71-0089	SF Structure Lining, Spray Applied With 300 mil Structural Polyurethane	15.54	
33 01 30 71-0090 Lining Pipe, Spray Applied With 400 mil Structural Polyurethane (33 01 30 71-0002)			
Note: Two part structural polyurethane.			
33 01 30 71-0091	LF 36" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	189.57	
	For Up To 75, Add	39.30	
	For >75 To 150, Add	18.96	
	For >500 To 1,000, Deduct	-4.34	
	For >1,000 To 2,000, Deduct	-8.55	
	For >2,000 To 5,000, Deduct	-13.03	
	For >5,000, Deduct	-20.34	
33 01 30 71-0092	LF 42" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	221.18	
	For Up To 75, Add	45.85	
	For >75 To 150, Add	22.12	
	For >500 To 1,000, Deduct	-5.07	
	For >1,000 To 2,000, Deduct	-9.98	
	For >2,000 To 5,000, Deduct	-15.21	
	For >5,000, Deduct	-23.73	
33 01 30 71-0093	LF 48" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	252.76	
	For Up To 75, Add	52.39	
	For >75 To 150, Add	25.28	
	For >500 To 1,000, Deduct	-5.79	
	For >1,000 To 2,000, Deduct	-11.40	
	For >2,000 To 5,000, Deduct	-17.38	
	For >5,000, Deduct	-27.12	
33 01 30 71-0094	LF 54" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	284.36	
	For Up To 75, Add	58.94	
	For >75 To 150, Add	28.44	
	For >500 To 1,000, Deduct	-6.52	
	For >1,000 To 2,000, Deduct	-12.82	
	For >2,000 To 5,000, Deduct	-19.55	
	For >5,000, Deduct	-30.51	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 01 30 71-0095	LF	60" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	315.95	
		For Up To 75, Add	65.49	
		For >75 To 150, Add	31.60	
		For >500 To 1,000, Deduct	-7.24	
		For >1,000 To 2,000, Deduct	-14.25	
		For >2,000 To 5,000, Deduct	-21.72	
		For >5,000, Deduct	-33.90	
33 01 30 71-0096	LF	66" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	347.55	
		For Up To 75, Add	72.04	
		For >75 To 150, Add	34.76	
		For >500 To 1,000, Deduct	-7.96	
		For >1,000 To 2,000, Deduct	-15.67	
		For >2,000 To 5,000, Deduct	-23.89	
		For >5,000, Deduct	-37.29	
33 01 30 71-0097	LF	72" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	379.14	
		For Up To 75, Add	78.59	
		For >75 To 150, Add	37.91	
		For >500 To 1,000, Deduct	-8.69	
		For >1,000 To 2,000, Deduct	-17.10	
		For >2,000 To 5,000, Deduct	-26.06	
		For >5,000, Deduct	-40.68	
33 01 30 71-0098	LF	78" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	410.74	
		For Up To 75, Add	85.14	
		For >75 To 150, Add	41.07	
		For >500 To 1,000, Deduct	-9.41	
		For >1,000 To 2,000, Deduct	-18.52	
		For >2,000 To 5,000, Deduct	-28.24	
		For >5,000, Deduct	-44.07	
33 01 30 71-0099	LF	84" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	442.33	
		For Up To 75, Add	91.69	
		For >75 To 150, Add	44.23	
		For >500 To 1,000, Deduct	-10.14	
		For >1,000 To 2,000, Deduct	-19.95	
		For >2,000 To 5,000, Deduct	-30.41	
		For >5,000, Deduct	-47.46	
33 01 30 71-0100	LF	90" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	473.94	
		For Up To 75, Add	98.24	
		For >75 To 150, Add	47.39	
		For >500 To 1,000, Deduct	-10.86	
		For >1,000 To 2,000, Deduct	-21.38	
		For >2,000 To 5,000, Deduct	-32.58	
		For >5,000, Deduct	-50.85	
33 01 30 71-0101	LF	96" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	505.52	
		For Up To 75, Add	104.79	
		For >75 To 150, Add	50.55	
		For >500 To 1,000, Deduct	-11.58	
		For >1,000 To 2,000, Deduct	-22.80	
		For >2,000 To 5,000, Deduct	-34.75	
		For >5,000, Deduct	-54.24	
33 01 30 71-0102	LF	102" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	537.12	
		For Up To 75, Add	111.34	
		For >75 To 150, Add	53.71	
		For >500 To 1,000, Deduct	-12.31	
		For >1,000 To 2,000, Deduct	-24.22	
		For >2,000 To 5,000, Deduct	-36.92	
		For >5,000, Deduct	-57.63	
33 01 30 71-0103	LF	108" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	568.71	
		For Up To 75, Add	117.89	
		For >75 To 150, Add	56.87	
		For >500 To 1,000, Deduct	-13.03	
		For >1,000 To 2,000, Deduct	-25.65	
		For >2,000 To 5,000, Deduct	-39.09	
		For >5,000, Deduct	-61.01	
33 01 30 71-0104	LF	114" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	600.31	
		For Up To 75, Add	124.44	
		For >75 To 150, Add	60.03	
		For >500 To 1,000, Deduct	-13.76	
		For >1,000 To 2,000, Deduct	-27.07	
		For >2,000 To 5,000, Deduct	-41.27	
		For >5,000, Deduct	-64.41	
33 01 30 71-0105	LF	120" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	631.90	
		For Up To 75, Add	130.98	
		For >75 To 150, Add	63.19	
		For >500 To 1,000, Deduct	-14.48	
		For >1,000 To 2,000, Deduct	-28.50	
		For >2,000 To 5,000, Deduct	-43.44	
		For >5,000, Deduct	-67.79	
33 01 30 71-0106	SF	Structure Lining, Spray Applied With 400 mil Structural Polyurethane	20.11	
33 01 30 71-0107		Lining Pipe, Spray Applied With 500 mil Structural Polyurethane (33 01 30 71-0002)		
		Note: Two part structural polyurethane.		
33 01 30 71-0108	LF	36" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	233.12	
		For Up To 75, Add	48.16	
		For >75 To 150, Add	23.31	
		For >500 To 1,000, Deduct	-5.28	
		For >1,000 To 2,000, Deduct	-10.40	
		For >2,000 To 5,000, Deduct	-15.83	
		For >5,000, Deduct	-24.85	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0109 LF 42" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	271.98	
For Up To 75, Add	56.19	
For >75 To 150, Add	27.20	
For >500 To 1,000, Deduct	-6.16	
For >1,000 To 2,000, Deduct	-12.13	
For >2,000 To 5,000, Deduct	-18.47	
For >5,000, Deduct	-28.99	
33 01 30 71-0110 LF 48" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	310.83	
For Up To 75, Add	64.21	
For >75 To 150, Add	31.08	
For >500 To 1,000, Deduct	-7.04	
For >1,000 To 2,000, Deduct	-13.87	
For >2,000 To 5,000, Deduct	-21.11	
For >5,000, Deduct	-33.13	
33 01 30 71-0111 LF 54" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	349.69	
For Up To 75, Add	72.24	
For >75 To 150, Add	34.97	
For >500 To 1,000, Deduct	-7.91	
For >1,000 To 2,000, Deduct	-15.60	
For >2,000 To 5,000, Deduct	-23.74	
For >5,000, Deduct	-37.27	
33 01 30 71-0112 LF 60" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	388.54	
For Up To 75, Add	80.27	
For >75 To 150, Add	38.85	
For >500 To 1,000, Deduct	-8.79	
For >1,000 To 2,000, Deduct	-17.33	
For >2,000 To 5,000, Deduct	-26.38	
For >5,000, Deduct	-41.41	
33 01 30 71-0113 LF 66" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	427.40	
For Up To 75, Add	88.29	
For >75 To 150, Add	42.74	
For >500 To 1,000, Deduct	-9.67	
For >1,000 To 2,000, Deduct	-19.07	
For >2,000 To 5,000, Deduct	-29.02	
For >5,000, Deduct	-45.55	
33 01 30 71-0114 LF 72" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	466.25	
For Up To 75, Add	96.32	
For >75 To 150, Add	46.63	
For >500 To 1,000, Deduct	-10.55	
For >1,000 To 2,000, Deduct	-20.80	
For >2,000 To 5,000, Deduct	-31.66	
For >5,000, Deduct	-49.69	
33 01 30 71-0115 LF 78" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	505.11	
For Up To 75, Add	104.35	
For >75 To 150, Add	50.51	
For >500 To 1,000, Deduct	-11.43	
For >1,000 To 2,000, Deduct	-22.53	
For >2,000 To 5,000, Deduct	-34.30	
For >5,000, Deduct	-53.84	
33 01 30 71-0116 LF 84" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	543.96	
For Up To 75, Add	112.37	
For >75 To 150, Add	54.40	
For >500 To 1,000, Deduct	-12.31	
For >1,000 To 2,000, Deduct	-24.27	
For >2,000 To 5,000, Deduct	-36.93	
For >5,000, Deduct	-57.98	
33 01 30 71-0117 LF 90" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	582.81	
For Up To 75, Add	120.40	
For >75 To 150, Add	58.28	
For >500 To 1,000, Deduct	-13.19	
For >1,000 To 2,000, Deduct	-26.00	
For >2,000 To 5,000, Deduct	-39.57	
For >5,000, Deduct	-62.12	
33 01 30 71-0118 LF 96" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	621.67	
For Up To 75, Add	128.43	
For >75 To 150, Add	62.17	
For >500 To 1,000, Deduct	-14.07	
For >1,000 To 2,000, Deduct	-27.73	
For >2,000 To 5,000, Deduct	-42.21	
For >5,000, Deduct	-66.26	
33 01 30 71-0119 LF 102" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	660.52	
For Up To 75, Add	136.45	
For >75 To 150, Add	66.05	
For >500 To 1,000, Deduct	-14.95	
For >1,000 To 2,000, Deduct	-29.46	
For >2,000 To 5,000, Deduct	-44.85	
For >5,000, Deduct	-70.40	
33 01 30 71-0120 LF 108" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	699.38	
For Up To 75, Add	144.48	
For >75 To 150, Add	69.94	
For >500 To 1,000, Deduct	-15.83	
For >1,000 To 2,000, Deduct	-31.20	
For >2,000 To 5,000, Deduct	-47.49	
For >5,000, Deduct	-74.54	
33 01 30 71-0121 LF 114" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	738.23	
For Up To 75, Add	152.51	
For >75 To 150, Add	73.82	
For >500 To 1,000, Deduct	-16.71	
For >1,000 To 2,000, Deduct	-32.93	
For >2,000 To 5,000, Deduct	-50.13	
For >5,000, Deduct	-78.68	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 01 30 71-0122	LF	120" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	777.09
		For Up To 75, Add	160.53
		For >75 To 150, Add	77.71
		For >500 To 1,000, Deduct	-17.59
		For >1,000 To 2,000, Deduct	-34.66
		For >2,000 To 5,000, Deduct	-52.76
		For >5,000, Deduct	-82.82
33 01 30 71-0123	SF	Structure Lining, Spray Applied With 500 mil Structural Polyurethane	24.74

33 01 30 72 Cured-in-Place Pipe Lining (33 01 30)

33 01 30 72-0001 Cured-In-Place Pipe (CIPP) Relining Underground Pipelines (33 01 30 72)
 Note: Excludes CCTV inspection and sewer cleaning. See CSI section 33 01 30 11-0000 for CCTV inspection, 33 01 30 41-0002 for sewer cleaning.

33 01 30 72-0002 Cured In-Place Pipe (CIPP) Lining Set-Up And Reinsertion (33 01 30 72-0001)

33 01 30 72-0003	EA	Initial Set Up And Final Equipment Removal For Relining Up To 12" Underground Pipelines Cured In-Place Pipe (CIPP).....	1,595.74
33 01 30 72-0004	EA	Initial Set Up And Final Equipment Removal For Relining >12" To 24" Underground Pipelines Cured In-Place Pipe (CIPP).....	2,659.57
33 01 30 72-0005	EA	Initial Set Up And Final Equipment Removal For Relining >24" To 48" Underground Pipelines Cured In-Place Pipe (CIPP).....	3,989.36
33 01 30 72-0006	EA	Initial Set Up And Final Equipment Removal For Relining > 48" Underground Pipelines Cured In-Place Pipe (CIPP).....	5,319.15
33 01 30 72-0007	EA	Move And Reset Up At Different Access/Location For Relining Up To 12" Underground Pipelines Cured In-Place Pipe (CIPP).....	797.88
33 01 30 72-0008	EA	Move And Reset Up At Different Access/Location For Relining >12" To 24" Underground Pipelines Cured In-Place Pipe (CIPP).....	1,329.78
33 01 30 72-0009	EA	Move And Reset Up At Different Access/Location For Relining >24" To 48" Underground Pipelines Cured In-Place Pipe (CIPP).....	1,662.23
33 01 30 72-0010	EA	Move And Reset Up At Different Access/Location For Relining > 48" Underground Pipelines Cured In-Place Pipe (CIPP).....	2,127.66
33 01 30 72-0011	EA	Mixing Truck And Refrigeration For Relining Up To 12" Underground Pipelines Cured In-Place Pipe (CIPP)	1,329.78
		Note: Need to mix wet material in bag prior to installation.	
33 01 30 72-0012	EA	Mixing Truck And Refrigeration For Relining >12" To 24" Underground Pipelines Cured In-Place Pipe (CIPP).....	3,191.49
		Note: Need to mix wet material in bag prior to installation.	
33 01 30 72-0013	EA	Mixing Truck And Refrigeration For Relining >24" To 48" Underground Pipelines Cured In-Place Pipe (CIPP).....	5,319.15
		Note: Need to mix wet material in bag prior to installation.	
33 01 30 72-0014	EA	Mixing Truck And Refrigeration For Relining >48" Underground Pipelines Cured In-Place Pipe (CIPP)	7,978.72
		Note: Need to mix wet material in bag prior to installation.	

33 01 30 72-0015 Lining Pipe With Polyester Resin Impregnated Cured In-Place Pipe (CIPP)(33 01 30 72-0001)

Note: Cured in-place thermosetting resin pipe and resin impregnated tube. Excludes video camera inspection, culvert cleaning and grouting. Use round equivalent pipe sizes for elliptical, oval or arched pipe.

33 01 30 72-0016 4.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)

33 01 30 72-0017	LF	4.5mm Lining 2" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	23.47
		For Vinylster Resin, Add	6.66
		For Epoxy Resin, Add	0.78
		For Up To >10, Add	46.64
		For >10 To 25, Add	37.28
		For >25 To 50, Add	22.84
		For >50 To 100, Add	11.42
		For >500 To 1,000, Deduct	-1.52
		For >1,000 To 2,000, Deduct	-2.46
		For >2,000 To 5,000, Deduct	-4.63
		For >5,000, Deduct	-7.49
33 01 30 72-0018	LF	4.5mm Lining 3" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	28.68
		For Vinylster Resin, Add	10.30
		For Epoxy Resin, Add	1.21
		For Up To >10, Add	49.24
		For >10 To 25, Add	38.58
		For >25 To 50, Add	23.88
		For >50 To 100, Add	11.94
		For >500 To 1,000, Deduct	-1.78
		For >1,000 To 2,000, Deduct	-2.85
		For >2,000 To 5,000, Deduct	-5.26
		For >5,000, Deduct	-8.53
33 01 30 72-0019	LF	4.5mm Lining 4" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	33.90
		For Vinylster Resin, Add	13.96
		For Epoxy Resin, Add	1.65
		For Up To >10, Add	51.85
		For >10 To 25, Add	39.89
		For >25 To 50, Add	24.93
		For >50 To 100, Add	12.46
		For >500 To 1,000, Deduct	-2.04
		For >1,000 To 2,000, Deduct	-3.24
		For >2,000 To 5,000, Deduct	-5.88
		For >5,000, Deduct	-9.57

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0020	LF		4.5mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	45.66	
			For Vinlyester Resin, Add	21.26	
			For Epoxy Resin, Add	2.51	
			For Up To >10, Add	61.06	
			For >10 To 25, Add	45.82	
			For >25 To 50, Add	29.01	
			For >50 To 100, Add	14.50	
			For >500 To 1,000, Deduct	-2.67	
			For >1,000 To 2,000, Deduct	-4.19	
			For >2,000 To 5,000, Deduct	-7.47	
			For >5,000, Deduct	-12.19	
33 01 30 72-0021	LF		4.5mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	57.44	
			For Vinlyester Resin, Add	28.57	
			For Epoxy Resin, Add	3.37	
			For Up To >10, Add	70.30	
			For >10 To 25, Add	51.78	
			For >25 To 50, Add	33.11	
			For >50 To 100, Add	16.55	
			For >500 To 1,000, Deduct	-3.29	
			For >1,000 To 2,000, Deduct	-5.14	
			For >2,000 To 5,000, Deduct	-9.05	
			For >5,000, Deduct	-14.81	
33 01 30 72-0022			6mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)		
33 01 30 72-0023	LF		6mm Lining 3" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	33.18	
			For Vinlyester Resin, Add	13.45	
			For Epoxy Resin, Add	1.59	
			For Up To >10, Add	51.49	
			For >10 To 25, Add	39.71	
			For >25 To 50, Add	24.78	
			For >50 To 100, Add	12.39	
			For >500 To 1,000, Deduct	-2.01	
			For >1,000 To 2,000, Deduct	-3.19	
			For >2,000 To 5,000, Deduct	-5.80	
			For >5,000, Deduct	-9.43	
33 01 30 72-0024	LF		6mm Lining 4" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	40.14	
			For Vinlyester Resin, Add	18.33	
			For Epoxy Resin, Add	2.16	
			For Up To >10, Add	54.97	
			For >10 To 25, Add	41.45	
			For >25 To 50, Add	26.18	
			For >50 To 100, Add	13.09	
			For >500 To 1,000, Deduct	-2.36	
			For >1,000 To 2,000, Deduct	-3.71	
			For >2,000 To 5,000, Deduct	-6.63	
			For >5,000, Deduct	-10.82	
33 01 30 72-0025	LF		6mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	55.38	
			For Vinlyester Resin, Add	28.06	
			For Epoxy Resin, Add	3.31	
			For Up To >10, Add	65.92	
			For >10 To 25, Add	48.25	
			For >25 To 50, Add	30.95	
			For >50 To 100, Add	15.48	
			For >500 To 1,000, Deduct	-3.15	
			For >1,000 To 2,000, Deduct	-4.92	
			For >2,000 To 5,000, Deduct	-8.63	
			For >5,000, Deduct	-14.13	
33 01 30 72-0026	LF		6mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	70.63	
			For Vinlyester Resin, Add	37.80	
			For Epoxy Resin, Add	4.46	
			For Up To >10, Add	76.89	
			For >10 To 25, Add	55.08	
			For >25 To 50, Add	35.75	
			For >50 To 100, Add	17.87	
			For >500 To 1,000, Deduct	-3.95	
			For >1,000 To 2,000, Deduct	-6.13	
			For >2,000 To 5,000, Deduct	-10.64	
			For >5,000, Deduct	-17.45	
33 01 30 72-0027	LF		6mm Lining 10" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	86.00	
			For Vinlyester Resin, Add	47.54	
			For Epoxy Resin, Add	5.60	
			For Up To >10, Add	88.23	
			For >10 To 25, Add	62.20	
			For >25 To 50, Add	40.72	
			For >50 To 100, Add	20.36	
			For >500 To 1,000, Deduct	-4.75	
			For >1,000 To 2,000, Deduct	-7.35	
			For >2,000 To 5,000, Deduct	-12.67	
			For >5,000, Deduct	-20.82	
33 01 30 72-0028	LF		6mm Lining 12" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	101.76	
			For Vinlyester Resin, Add	57.27	
			For Epoxy Resin, Add	6.75	
			For Up To >10, Add	100.73	
			For >10 To 25, Add	70.31	
			For >25 To 50, Add	46.27	
			For >50 To 100, Add	23.14	
			For >500 To 1,000, Deduct	-5.59	
			For >1,000 To 2,000, Deduct	-8.63	
			For >2,000 To 5,000, Deduct	-14.80	
			For >5,000, Deduct	-24.34	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 01 30 72-0029 7.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)		
33 01 30 72-0030	LF 7.5mm Lining 4" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	46.17
	For Vinylster Resin, Add	22.55
	For Epoxy Resin, Add	2.66
	For Up To >10, Add	57.99
	For >10 To 25, Add	42.95
	For >25 To 50, Add	27.38
	For >50 To 100, Add	13.69
	For >500 To 1,000, Deduct	-2.66
	For >1,000 To 2,000, Deduct	-4.16
	For >2,000 To 5,000, Deduct	-7.36
	For >5,000, Deduct	-12.03
33 01 30 72-0031	LF 7.5mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	64.88
	For Vinylster Resin, Add	34.71
	For Epoxy Resin, Add	4.09
	For Up To >10, Add	70.67
	For >10 To 25, Add	50.62
	For >25 To 50, Add	32.85
	For >50 To 100, Add	16.43
	For >500 To 1,000, Deduct	-3.63
	For >1,000 To 2,000, Deduct	-5.63
	For >2,000 To 5,000, Deduct	-9.77
	For >5,000, Deduct	-16.03
33 01 30 72-0032	LF 7.5mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	83.61
	For Vinylster Resin, Add	46.89
	For Epoxy Resin, Add	5.53
	For Up To >10, Add	83.38
	For >10 To 25, Add	58.32
	For >25 To 50, Add	38.34
	For >50 To 100, Add	19.17
	For >500 To 1,000, Deduct	-4.60
	For >1,000 To 2,000, Deduct	-7.10
	For >2,000 To 5,000, Deduct	-12.20
	For >5,000, Deduct	-20.05
33 01 30 72-0033	LF 7.5mm Lining 10" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	102.46
	For Vinylster Resin, Add	59.06
	For Epoxy Resin, Add	6.96
	For Up To >10, Add	96.46
	For >10 To 25, Add	66.32
	For >25 To 50, Add	44.01
	For >50 To 100, Add	22.00
	For >500 To 1,000, Deduct	-5.58
	For >1,000 To 2,000, Deduct	-8.59
	For >2,000 To 5,000, Deduct	-14.65
	For >5,000, Deduct	-24.11
33 01 30 72-0034	LF 7.5mm Lining 12" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	121.69
	For Vinylster Resin, Add	71.23
	For Epoxy Resin, Add	8.39
	For Up To >10, Add	110.70
	For >10 To 25, Add	75.29
	For >25 To 50, Add	50.26
	For >50 To 100, Add	25.13
	For >500 To 1,000, Deduct	-6.58
	For >1,000 To 2,000, Deduct	-10.12
	For >2,000 To 5,000, Deduct	-17.20
	For >5,000, Deduct	-28.33
33 01 30 72-0035	LF 7.5mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	150.45
	For Vinylster Resin, Add	89.49
	For Epoxy Resin, Add	10.55
	For Up To >10, Add	131.75
	For >10 To 25, Add	88.49
	For >25 To 50, Add	59.48
	For >50 To 100, Add	29.74
	For >500 To 1,000, Deduct	-8.09
	For >1,000 To 2,000, Deduct	-12.41
	For >2,000 To 5,000, Deduct	-20.99
	For >5,000, Deduct	-34.61
33 01 30 72-0036	LF 7.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	179.44
	For Vinylster Resin, Add	107.74
	For Epoxy Resin, Add	12.70
	For Up To >10, Add	153.55
	For >10 To 25, Add	102.30
	For >25 To 50, Add	69.08
	For >50 To 100, Add	34.54
	For >500 To 1,000, Deduct	-9.61
	For >1,000 To 2,000, Deduct	-14.73
	For >2,000 To 5,000, Deduct	-24.85
	For >5,000, Deduct	-40.99

33 01 30 72-0037 9mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0038	LF	9mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	74.18	
		For Vinlyester Resin, Add	41.22	
		For Epoxy Resin, Add	4.86	
		For Up To >10, Add	75.32	
		For >10 To 25, Add	52.95	
		For >25 To 50, Add	34.71	
		For >50 To 100, Add	17.36	
		For >500 To 1,000, Deduct	-4.09	
		For >1,000 To 2,000, Deduct	-6.33	
		For >2,000 To 5,000, Deduct	-10.89	
		For >5,000, Deduct	-17.89	
33 01 30 72-0039	LF	9mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	96.39	
		For Vinlyester Resin, Add	55.83	
		For Epoxy Resin, Add	6.58	
		For Up To >10, Add	89.77	
		For >10 To 25, Add	61.52	
		For >25 To 50, Add	40.90	
		For >50 To 100, Add	20.45	
		For >500 To 1,000, Deduct	-5.24	
		For >1,000 To 2,000, Deduct	-8.06	
		For >2,000 To 5,000, Deduct	-13.73	
		For >5,000, Deduct	-22.60	
33 01 30 72-0040	LF	9mm Lining 10" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	118.72	
		For Vinlyester Resin, Add	70.44	
		For Epoxy Resin, Add	8.30	
		For Up To >10, Add	104.59	
		For >10 To 25, Add	70.38	
		For >25 To 50, Add	47.26	
		For >50 To 100, Add	23.63	
		For >500 To 1,000, Deduct	-6.39	
		For >1,000 To 2,000, Deduct	-9.81	
		For >2,000 To 5,000, Deduct	-16.60	
		For >5,000, Deduct	-27.36	
33 01 30 72-0041	LF	9mm Lining 12" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	141.43	
		For Vinlyester Resin, Add	85.04	
		For Epoxy Resin, Add	10.02	
		For Up To >10, Add	120.57	
		For >10 To 25, Add	80.22	
		For >25 To 50, Add	54.21	
		For >50 To 100, Add	27.10	
		For >500 To 1,000, Deduct	-7.57	
		For >1,000 To 2,000, Deduct	-11.60	
		For >2,000 To 5,000, Deduct	-19.56	
		For >5,000, Deduct	-32.27	
33 01 30 72-0042	LF	9mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	175.40	
		For Vinlyester Resin, Add	106.95	
		For Epoxy Resin, Add	12.61	
		For Up To >10, Add	144.23	
		For >10 To 25, Add	94.72	
		For >25 To 50, Add	64.47	
		For >50 To 100, Add	32.24	
		For >500 To 1,000, Deduct	-9.34	
		For >1,000 To 2,000, Deduct	-14.29	
		For >2,000 To 5,000, Deduct	-23.99	
		For >5,000, Deduct	-39.60	
33 01 30 72-0043	LF	9mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	209.61	
		For Vinlyester Resin, Add	128.86	
		For Epoxy Resin, Add	15.19	
		For Up To >10, Add	168.63	
		For >10 To 25, Add	109.85	
		For >25 To 50, Add	75.11	
		For >50 To 100, Add	37.56	
		For >500 To 1,000, Deduct	-11.12	
		For >1,000 To 2,000, Deduct	-17.00	
		For >2,000 To 5,000, Deduct	-28.47	
		For >5,000, Deduct	-47.03	
33 01 30 72-0044	LF	9mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	243.04	
		For Vinlyester Resin, Add	150.77	
		For Epoxy Resin, Add	17.77	
		For Up To >10, Add	190.67	
		For >10 To 25, Add	123.00	
		For >25 To 50, Add	84.57	
		For >50 To 100, Add	42.28	
		For >500 To 1,000, Deduct	-12.84	
		For >1,000 To 2,000, Deduct	-19.61	
		For >2,000 To 5,000, Deduct	-32.76	
		For >5,000, Deduct	-54.14	
33 01 30 72-0045	LF	9mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	276.87	
		For Vinlyester Resin, Add	172.68	
		For Epoxy Resin, Add	20.35	
		For Up To >10, Add	213.91	
		For >10 To 25, Add	137.15	
		For >25 To 50, Add	94.62	
		For >50 To 100, Add	47.31	
		For >500 To 1,000, Deduct	-14.60	
		For >1,000 To 2,000, Deduct	-22.27	
		For >2,000 To 5,000, Deduct	-37.15	
		For >5,000, Deduct	-61.41	

33 01 30 72-0046 10.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 01 30 72-0047	LF 10.5mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	200.14	
	For Vinylester Resin, Add	124.27	
	For Epoxy Resin, Add	14.65	
	For Up To >10, Add	156.60	
	For >10 To 25, Add	100.91	
	For >25 To 50, Add	69.42	
	For >50 To 100, Add	34.71	
	For >500 To 1,000, Deduct	-10.57	
	For >1,000 To 2,000, Deduct	-16.14	
	For >2,000 To 5,000, Deduct	-26.96	
	For >5,000, Deduct	-44.55	
33 01 30 72-0048	LF 10.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	239.57	
	For Vinylester Resin, Add	149.83	
	For Epoxy Resin, Add	17.66	
	For Up To >10, Add	183.61	
	For >10 To 25, Add	117.34	
	For >25 To 50, Add	81.10	
	For >50 To 100, Add	40.55	
	For >500 To 1,000, Deduct	-12.62	
	For >1,000 To 2,000, Deduct	-19.24	
	For >2,000 To 5,000, Deduct	-32.07	
	For >5,000, Deduct	-53.02	
33 01 30 72-0049	LF 10.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	278.22	
	For Vinylester Resin, Add	175.39	
	For Epoxy Resin, Add	20.67	
	For Up To >10, Add	208.26	
	For >10 To 25, Add	131.79	
	For >25 To 50, Add	91.60	
	For >50 To 100, Add	45.80	
	For >500 To 1,000, Deduct	-14.60	
	For >1,000 To 2,000, Deduct	-22.25	
	For >2,000 To 5,000, Deduct	-36.98	
	For >5,000, Deduct	-61.18	
33 01 30 72-0050	LF 10.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	317.26	
	For Vinylester Resin, Add	200.95	
	For Epoxy Resin, Add	23.68	
	For Up To >10, Add	234.11	
	For >10 To 25, Add	147.24	
	For >25 To 50, Add	102.70	
	For >50 To 100, Add	51.35	
	For >500 To 1,000, Deduct	-16.62	
	For >1,000 To 2,000, Deduct	-25.30	
	For >2,000 To 5,000, Deduct	-42.00	
	For >5,000, Deduct	-69.49	
33 01 30 72-0051	LF 10.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	356.82	
	For Vinylester Resin, Add	226.51	
	For Epoxy Resin, Add	26.70	
	For Up To >10, Add	261.51	
	For >10 To 25, Add	164.00	
	For >25 To 50, Add	114.58	
	For >50 To 100, Add	57.29	
	For >500 To 1,000, Deduct	-18.67	
	For >1,000 To 2,000, Deduct	-28.42	
	For >2,000 To 5,000, Deduct	-47.14	
	For >5,000, Deduct	-78.01	
33 01 30 72-0052	LF 10.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	397.07	
	For Vinylester Resin, Add	252.07	
	For Epoxy Resin, Add	29.71	
	For Up To >10, Add	290.96	
	For >10 To 25, Add	182.45	
	For >25 To 50, Add	127.48	
	For >50 To 100, Add	63.74	
	For >500 To 1,000, Deduct	-20.78	
	For >1,000 To 2,000, Deduct	-31.63	
	For >2,000 To 5,000, Deduct	-52.45	
	For >5,000, Deduct	-86.81	
33 01 30 72-0053	LF 10.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	474.74	
	For Vinylester Resin, Add	303.18	
	For Epoxy Resin, Add	35.73	
	For Up To >10, Add	341.42	
	For >10 To 25, Add	212.33	
	For >25 To 50, Add	149.05	
	For >50 To 100, Add	74.53	
	For >500 To 1,000, Deduct	-24.78	
	For >1,000 To 2,000, Deduct	-37.69	
	For >2,000 To 5,000, Deduct	-62.38	
	For >5,000, Deduct	-103.27	

33 01 30 72-0054 12mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)

33 01 30 72-0055	LF 12mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	224.68	
	For Vinylester Resin, Add	141.45	
	For Epoxy Resin, Add	16.67	
	For Up To >10, Add	168.87	
	For >10 To 25, Add	107.04	
	For >25 To 50, Add	74.33	
	For >50 To 100, Add	37.16	
	For >500 To 1,000, Deduct	-11.80	
	For >1,000 To 2,000, Deduct	-17.98	
	For >2,000 To 5,000, Deduct	-29.90	
	For >5,000, Deduct	-49.46	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
33 01 30 72-0056	LF		12mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	269.33	
			For Vinylster Resin, Add	170.66	
			For Epoxy Resin, Add	20.11	
			For Up To >10, Add	198.49	
			For >10 To 25, Add	124.78	
			For >25 To 50, Add	87.06	
			For >50 To 100, Add	43.53	
			For >500 To 1,000, Deduct	-14.10	
			For >1,000 To 2,000, Deduct	-21.48	
			For >2,000 To 5,000, Deduct	-35.64	
			For >5,000, Deduct	-58.97	
33 01 30 72-0057	LF		12mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	313.19	
			For Vinylster Resin, Add	199.87	
			For Epoxy Resin, Add	23.56	
			For Up To >10, Add	225.75	
			For >10 To 25, Add	140.53	
			For >25 To 50, Add	98.60	
			For >50 To 100, Add	49.30	
			For >500 To 1,000, Deduct	-16.35	
			For >1,000 To 2,000, Deduct	-24.87	
			For >2,000 To 5,000, Deduct	-41.18	
			For >5,000, Deduct	-68.17	
33 01 30 72-0058	LF		12mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	357.45	
			For Vinylster Resin, Add	229.08	
			For Epoxy Resin, Add	27.00	
			For Up To >10, Add	254.20	
			For >10 To 25, Add	157.29	
			For >25 To 50, Add	110.74	
			For >50 To 100, Add	55.37	
			For >500 To 1,000, Deduct	-18.63	
			For >1,000 To 2,000, Deduct	-28.32	
			For >2,000 To 5,000, Deduct	-46.82	
			For >5,000, Deduct	-77.53	
33 01 30 72-0059	LF		12mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	402.23	
			For Vinylster Resin, Add	258.29	
			For Epoxy Resin, Add	30.44	
			For Up To >10, Add	284.22	
			For >10 To 25, Add	175.35	
			For >25 To 50, Add	123.66	
			For >50 To 100, Add	61.83	
			For >500 To 1,000, Deduct	-20.94	
			For >1,000 To 2,000, Deduct	-31.83	
			For >2,000 To 5,000, Deduct	-52.59	
			For >5,000, Deduct	-87.09	
33 01 30 72-0060	LF		12mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	447.69	
			For Vinylster Resin, Add	287.50	
			For Epoxy Resin, Add	33.88	
			For Up To >10, Add	316.27	
			For >10 To 25, Add	195.11	
			For >25 To 50, Add	137.60	
			For >50 To 100, Add	68.80	
			For >500 To 1,000, Deduct	-23.31	
			For >1,000 To 2,000, Deduct	-35.43	
			For >2,000 To 5,000, Deduct	-58.53	
			For >5,000, Deduct	-96.93	
33 01 30 72-0061	LF		12mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	535.80	
			For Vinylster Resin, Add	345.93	
			For Epoxy Resin, Add	40.77	
			For Up To >10, Add	371.95	
			For >10 To 25, Add	227.60	
			For >25 To 50, Add	161.27	
			For >50 To 100, Add	80.63	
			For >500 To 1,000, Deduct	-27.83	
			For >1,000 To 2,000, Deduct	-42.27	
			For >2,000 To 5,000, Deduct	-69.71	
			For >5,000, Deduct	-115.48	
33 01 30 72-0062	LF		12mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	625.11	
			For Vinylster Resin, Add	404.34	
			For Epoxy Resin, Add	47.65	
			For Up To >10, Add	431.26	
			For >10 To 25, Add	263.11	
			For >25 To 50, Add	186.75	
			For >50 To 100, Add	93.37	
			For >500 To 1,000, Deduct	-32.44	
			For >1,000 To 2,000, Deduct	-49.26	
			For >2,000 To 5,000, Deduct	-81.19	
			For >5,000, Deduct	-134.52	
33 01 30 72-0063	LF		12mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	716.54	
			For Vinylster Resin, Add	462.76	
			For Epoxy Resin, Add	54.54	
			For Up To >10, Add	496.90	
			For >10 To 25, Add	303.90	
			For >25 To 50, Add	215.39	
			For >50 To 100, Add	107.70	
			For >500 To 1,000, Deduct	-37.21	
			For >1,000 To 2,000, Deduct	-56.51	
			For >2,000 To 5,000, Deduct	-93.19	
			For >5,000, Deduct	-154.40	

33 01 30 72-0064 13.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 01 30 72-0065	LF 13.5mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	249.01	
	For Vinlyester Resin, Add	158.48	
	For Epoxy Resin, Add	18.68	
	For Up To >10, Add	181.03	
	For >10 To 25, Add	113.13	
	For >25 To 50, Add	79.20	
	For >50 To 100, Add	39.60	
	For >500 To 1,000, Deduct	-13.02	
	For >1,000 To 2,000, Deduct	-19.81	
	For >2,000 To 5,000, Deduct	-32.82	
	For >5,000, Deduct	-54.32	
33 01 30 72-0066	LF 13.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	298.89	
	For Vinlyester Resin, Add	191.35	
	For Epoxy Resin, Add	22.55	
	For Up To >10, Add	213.27	
	For >10 To 25, Add	132.17	
	For >25 To 50, Add	92.97	
	For >50 To 100, Add	46.48	
	For >500 To 1,000, Deduct	-15.58	
	For >1,000 To 2,000, Deduct	-23.69	
	For >2,000 To 5,000, Deduct	-39.19	
	For >5,000, Deduct	-64.88	
33 01 30 72-0067	LF 13.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	347.96	
	For Vinlyester Resin, Add	224.21	
	For Epoxy Resin, Add	26.42	
	For Up To >10, Add	243.13	
	For >10 To 25, Add	149.23	
	For >25 To 50, Add	105.55	
	For >50 To 100, Add	52.78	
	For >500 To 1,000, Deduct	-18.09	
	For >1,000 To 2,000, Deduct	-27.48	
	For >2,000 To 5,000, Deduct	-45.35	
	For >5,000, Deduct	-75.12	
33 01 30 72-0068	LF 13.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	397.44	
	For Vinlyester Resin, Add	257.08	
	For Epoxy Resin, Add	30.30	
	For Up To >10, Add	274.20	
	For >10 To 25, Add	167.29	
	For >25 To 50, Add	118.74	
	For >50 To 100, Add	59.37	
	For >500 To 1,000, Deduct	-20.63	
	For >1,000 To 2,000, Deduct	-31.32	
	For >2,000 To 5,000, Deduct	-51.62	
	For >5,000, Deduct	-85.53	
33 01 30 72-0069	LF 13.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	447.43	
	For Vinlyester Resin, Add	289.93	
	For Epoxy Resin, Add	34.17	
	For Up To >10, Add	306.82	
	For >10 To 25, Add	186.65	
	For >25 To 50, Add	132.70	
	For >50 To 100, Add	66.35	
	For >500 To 1,000, Deduct	-23.20	
	For >1,000 To 2,000, Deduct	-35.22	
	For >2,000 To 5,000, Deduct	-58.01	
	For >5,000, Deduct	-96.13	
33 01 30 72-0070	LF 13.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	498.10	
	For Vinlyester Resin, Add	322.79	
	For Epoxy Resin, Add	38.04	
	For Up To >10, Add	341.48	
	For >10 To 25, Add	207.71	
	For >25 To 50, Add	147.68	
	For >50 To 100, Add	73.84	
	For >500 To 1,000, Deduct	-25.83	
	For >1,000 To 2,000, Deduct	-39.21	
	For >2,000 To 5,000, Deduct	-64.58	
	For >5,000, Deduct	-107.01	
33 01 30 72-0071	LF 13.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	596.64	
	For Vinlyester Resin, Add	388.51	
	For Epoxy Resin, Add	45.79	
	For Up To >10, Add	402.37	
	For >10 To 25, Add	242.81	
	For >25 To 50, Add	173.43	
	For >50 To 100, Add	86.72	
	For >500 To 1,000, Deduct	-30.87	
	For >1,000 To 2,000, Deduct	-46.83	
	For >2,000 To 5,000, Deduct	-77.01	
	For >5,000, Deduct	-127.65	
33 01 30 72-0072	LF 13.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	696.39	
	For Vinlyester Resin, Add	454.24	
	For Epoxy Resin, Add	53.54	
	For Up To >10, Add	466.90	
	For >10 To 25, Add	280.93	
	For >25 To 50, Add	201.00	
	For >50 To 100, Add	100.50	
	For >500 To 1,000, Deduct	-36.01	
	For >1,000 To 2,000, Deduct	-54.60	
	For >2,000 To 5,000, Deduct	-89.74	
	For >5,000, Deduct	-148.77	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
33 01 30 72-0073	LF		13.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	798.25	
			For Vinylester Resin, Add	519.96	
			For Epoxy Resin, Add	61.28	
			For Up To >10, Add	537.75	
			For >10 To 25, Add	324.33	
			For >25 To 50, Add	231.74	
			For >50 To 100, Add	115.87	
			For >500 To 1,000, Deduct	-41.30	
			For >1,000 To 2,000, Deduct	-62.64	
			For >2,000 To 5,000, Deduct	-103.00	
			For >5,000, Deduct	-170.74	
33 01 30 72-0074			15mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)		
33 01 30 72-0075	LF		15mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	273.15	
			For Vinylester Resin, Add	175.38	
			For Epoxy Resin, Add	20.67	
			For Up To >10, Add	193.10	
			For >10 To 25, Add	119.16	
			For >25 To 50, Add	84.02	
			For >50 To 100, Add	42.01	
			For >500 To 1,000, Deduct	-14.22	
			For >1,000 To 2,000, Deduct	-21.62	
			For >2,000 To 5,000, Deduct	-35.72	
			For >5,000, Deduct	-59.15	
33 01 30 72-0076	LF		15mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	328.23	
			For Vinylester Resin, Add	211.89	
			For Epoxy Resin, Add	24.97	
			For Up To >10, Add	227.94	
			For >10 To 25, Add	139.50	
			For >25 To 50, Add	98.84	
			For >50 To 100, Add	49.42	
			For >500 To 1,000, Deduct	-17.05	
			For >1,000 To 2,000, Deduct	-25.89	
			For >2,000 To 5,000, Deduct	-42.71	
			For >5,000, Deduct	-70.75	
33 01 30 72-0077	LF		15mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	382.52	
			For Vinylester Resin, Add	248.40	
			For Epoxy Resin, Add	29.28	
			For Up To >10, Add	260.41	
			For >10 To 25, Add	157.87	
			For >25 To 50, Add	112.46	
			For >50 To 100, Add	56.23	
			For >500 To 1,000, Deduct	-19.82	
			For >1,000 To 2,000, Deduct	-30.07	
			For >2,000 To 5,000, Deduct	-49.50	
			For >5,000, Deduct	-82.04	
33 01 30 72-0078	LF		15mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	437.21	
			For Vinylester Resin, Add	284.91	
			For Epoxy Resin, Add	33.58	
			For Up To >10, Add	294.08	
			For >10 To 25, Add	177.23	
			For >25 To 50, Add	126.69	
			For >50 To 100, Add	63.34	
			For >500 To 1,000, Deduct	-22.62	
			For >1,000 To 2,000, Deduct	-34.30	
			For >2,000 To 5,000, Deduct	-56.39	
			For >5,000, Deduct	-93.48	
33 01 30 72-0079	LF		15mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	492.42	
			For Vinylester Resin, Add	321.43	
			For Epoxy Resin, Add	37.88	
			For Up To >10, Add	329.31	
			For >10 To 25, Add	197.90	
			For >25 To 50, Add	141.70	
			For >50 To 100, Add	70.85	
			For >500 To 1,000, Deduct	-25.45	
			For >1,000 To 2,000, Deduct	-38.59	
			For >2,000 To 5,000, Deduct	-63.41	
			For >5,000, Deduct	-105.13	
33 01 30 72-0080	LF		15mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	548.31	
			For Vinylester Resin, Add	357.94	
			For Epoxy Resin, Add	42.19	
			For Up To >10, Add	366.58	
			For >10 To 25, Add	220.26	
			For >25 To 50, Add	157.72	
			For >50 To 100, Add	78.86	
			For >500 To 1,000, Deduct	-28.34	
			For >1,000 To 2,000, Deduct	-42.97	
			For >2,000 To 5,000, Deduct	-70.60	
			For >5,000, Deduct	-117.06	
33 01 30 72-0081	LF		15mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	657.29	
			For Vinylester Resin, Add	430.97	
			For Epoxy Resin, Add	50.79	
			For Up To >10, Add	432.70	
			For >10 To 25, Add	257.97	
			For >25 To 50, Add	185.56	
			For >50 To 100, Add	92.78	
			For >500 To 1,000, Deduct	-33.91	
			For >1,000 To 2,000, Deduct	-51.38	
			For >2,000 To 5,000, Deduct	-84.29	
			For >5,000, Deduct	-139.78	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 01 30 72-0082	LF	15mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	767.47	
		For Vinylester Resin, Add	503.99	
		For Epoxy Resin, Add	59.40	
		For Up To >10, Add	502.44	
		For >10 To 25, Add	298.70	
		For >25 To 50, Add	215.22	
		For >50 To 100, Add	107.61	
		For >500 To 1,000, Deduct	-39.56	
		For >1,000 To 2,000, Deduct	-59.93	
		For >2,000 To 5,000, Deduct	-98.27	
		For >5,000, Deduct	-162.99	
33 01 30 72-0083	LF	15mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	879.76	
		For Vinylester Resin, Add	577.02	
		For Epoxy Resin, Add	68.01	
		For Up To >10, Add	578.51	
		For >10 To 25, Add	344.70	
		For >25 To 50, Add	248.04	
		For >50 To 100, Add	124.02	
		For >500 To 1,000, Deduct	-45.37	
		For >1,000 To 2,000, Deduct	-68.75	
		For >2,000 To 5,000, Deduct	-112.78	
		For >5,000, Deduct	-187.04	

33 01 30 72-0084 16.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)

33 01 30 72-0085	LF	16.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	357.37	
		For Vinylester Resin, Add	232.29	
		For Epoxy Resin, Add	27.38	
		For Up To >10, Add	242.51	
		For >10 To 25, Add	146.79	
		For >25 To 50, Add	104.66	
		For >50 To 100, Add	52.33	
		For >500 To 1,000, Deduct	-18.51	
		For >1,000 To 2,000, Deduct	-28.08	
		For >2,000 To 5,000, Deduct	-46.20	
		For >5,000, Deduct	-76.58	
33 01 30 72-0086	LF	16.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	416.87	
		For Vinylester Resin, Add	272.45	
		For Epoxy Resin, Add	32.11	
		For Up To >10, Add	277.59	
		For >10 To 25, Add	166.45	
		For >25 To 50, Add	119.33	
		For >50 To 100, Add	59.67	
		For >500 To 1,000, Deduct	-21.54	
		For >1,000 To 2,000, Deduct	-32.65	
		For >2,000 To 5,000, Deduct	-53.62	
		For >5,000, Deduct	-88.91	
33 01 30 72-0087	LF	16.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	476.78	
		For Vinylester Resin, Add	312.61	
		For Epoxy Resin, Add	36.84	
		For Up To >10, Add	313.87	
		For >10 To 25, Add	187.12	
		For >25 To 50, Add	134.60	
		For >50 To 100, Add	67.30	
		For >500 To 1,000, Deduct	-24.59	
		For >1,000 To 2,000, Deduct	-37.27	
		For >2,000 To 5,000, Deduct	-61.14	
		For >5,000, Deduct	-101.39	
33 01 30 72-0088	LF	16.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	537.21	
		For Vinylester Resin, Add	352.78	
		For Epoxy Resin, Add	41.58	
		For Up To >10, Add	351.71	
		For >10 To 25, Add	209.09	
		For >25 To 50, Add	150.65	
		For >50 To 100, Add	75.33	
		For >500 To 1,000, Deduct	-27.69	
		For >1,000 To 2,000, Deduct	-41.95	
		For >2,000 To 5,000, Deduct	-68.79	
		For >5,000, Deduct	-114.09	
33 01 30 72-0089	LF	16.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	598.32	
		For Vinylester Resin, Add	392.95	
		For Epoxy Resin, Add	46.31	
		For Up To >10, Add	391.59	
		For >10 To 25, Add	232.76	
		For >25 To 50, Add	167.73	
		For >50 To 100, Add	83.86	
		For >500 To 1,000, Deduct	-30.84	
		For >1,000 To 2,000, Deduct	-46.72	
		For >2,000 To 5,000, Deduct	-76.60	
		For >5,000, Deduct	-127.06	
33 01 30 72-0090	LF	16.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	717.73	
		For Vinylester Resin, Add	473.28	
		For Epoxy Resin, Add	55.78	
		For Up To >10, Add	462.92	
		For >10 To 25, Add	273.08	
		For >25 To 50, Add	197.65	
		For >50 To 100, Add	98.83	
		For >500 To 1,000, Deduct	-36.93	
		For >1,000 To 2,000, Deduct	-55.91	
		For >2,000 To 5,000, Deduct	-91.54	
		For >5,000, Deduct	-151.87	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0091	LF	16.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	838.34	
		For Vinylester Resin, Add	553.60	
		For Epoxy Resin, Add	65.25	
		For Up To >10, Add	537.87	
		For >10 To 25, Add	316.42	
		For >25 To 50, Add	229.39	
		For >50 To 100, Add	114.70	
		For >500 To 1,000, Deduct	-43.10	
		For >1,000 To 2,000, Deduct	-65.25	
		For >2,000 To 5,000, Deduct	-106.77	
		For >5,000, Deduct	-177.16	
33 01 30 72-0092	LF	16.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	961.06	
		For Vinylester Resin, Add	633.93	
		For Epoxy Resin, Add	74.71	
		For Up To >10, Add	619.16	
		For >10 To 25, Add	365.03	
		For >25 To 50, Add	264.30	
		For >50 To 100, Add	132.15	
		For >500 To 1,000, Deduct	-49.44	
		For >1,000 To 2,000, Deduct	-74.85	
		For >2,000 To 5,000, Deduct	-122.54	
		For >5,000, Deduct	-203.30	
33 01 30 72-0093	LF	16.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,082.87	
		For Vinylester Resin, Add	714.26	
		For Epoxy Resin, Add	84.18	
		For Up To >10, Add	697.69	
		For >10 To 25, Add	411.34	
		For >25 To 50, Add	297.82	
		For >50 To 100, Add	148.91	
		For >500 To 1,000, Deduct	-55.71	
		For >1,000 To 2,000, Deduct	-84.34	
		For >2,000 To 5,000, Deduct	-138.07	
		For >5,000, Deduct	-229.07	
33 01 30 72-0094 18mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)				
33 01 30 72-0095	LF	18mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	386.97	
		For Vinylester Resin, Add	252.54	
		For Epoxy Resin, Add	29.76	
		For Up To >10, Add	258.99	
		For >10 To 25, Add	155.69	
		For >25 To 50, Add	111.45	
		For >50 To 100, Add	55.73	
		For >500 To 1,000, Deduct	-20.00	
		For >1,000 To 2,000, Deduct	-30.33	
		For >2,000 To 5,000, Deduct	-49.84	
		For >5,000, Deduct	-82.63	
33 01 30 72-0096	LF	18mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	451.83	
		For Vinylester Resin, Add	296.36	
		For Epoxy Resin, Add	34.93	
		For Up To >10, Add	297.07	
		For >10 To 25, Add	176.99	
		For >25 To 50, Add	127.36	
		For >50 To 100, Add	63.68	
		For >500 To 1,000, Deduct	-23.30	
		For >1,000 To 2,000, Deduct	-35.31	
		For >2,000 To 5,000, Deduct	-57.92	
		For >5,000, Deduct	-96.06	
33 01 30 72-0097	LF	18mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	516.95	
		For Vinylester Resin, Add	340.17	
		For Epoxy Resin, Add	40.09	
		For Up To >10, Add	335.95	
		For >10 To 25, Add	198.97	
		For >25 To 50, Add	143.68	
		For >50 To 100, Add	71.84	
		For >500 To 1,000, Deduct	-26.62	
		For >1,000 To 2,000, Deduct	-40.32	
		For >2,000 To 5,000, Deduct	-66.06	
		For >5,000, Deduct	-109.59	
33 01 30 72-0098	LF	18mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	582.74	
		For Vinylester Resin, Add	383.99	
		For Epoxy Resin, Add	45.26	
		For Up To >10, Add	376.82	
		For >10 To 25, Add	222.59	
		For >25 To 50, Add	160.98	
		For >50 To 100, Add	80.49	
		For >500 To 1,000, Deduct	-29.99	
		For >1,000 To 2,000, Deduct	-45.41	
		For >2,000 To 5,000, Deduct	-74.37	
		For >5,000, Deduct	-123.38	
33 01 30 72-0099	LF	18mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	649.04	
		For Vinylester Resin, Add	427.80	
		For Epoxy Resin, Add	50.42	
		For Up To >10, Add	419.27	
		For >10 To 25, Add	247.54	
		For >25 To 50, Add	179.08	
		For >50 To 100, Add	89.54	
		For >500 To 1,000, Deduct	-33.40	
		For >1,000 To 2,000, Deduct	-50.57	
		For >2,000 To 5,000, Deduct	-82.61	
		For >5,000, Deduct	-137.39	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 01 30 72-0100	LF 18mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	779.95	
	For Vinylster Resin, Add	515.44	
	For Epoxy Resin, Add	60.75	
	For Up To >10, Add	499.00	
	For >10 To 25, Add	293.11	
	For >25 To 50, Add	212.68	
	For >50 To 100, Add	106.34	
	For >500 To 1,000, Deduct	-40.09	
	For >1,000 To 2,000, Deduct	-60.68	
	For >2,000 To 5,000, Deduct	-99.26	
	For >5,000, Deduct	-164.71	
33 01 30 72-0101	LF 18mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	911.40	
	For Vinylster Resin, Add	603.07	
	For Epoxy Resin, Add	71.08	
	For Up To >10, Add	580.38	
	For >10 To 25, Add	340.06	
	For >25 To 50, Add	247.11	
	For >50 To 100, Add	123.56	
	For >500 To 1,000, Deduct	-46.82	
	For >1,000 To 2,000, Deduct	-70.85	
	For >2,000 To 5,000, Deduct	-115.85	
	For >5,000, Deduct	-192.25	
33 01 30 72-0102	LF 18mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,044.95	
	For Vinylster Resin, Add	690.70	
	For Epoxy Resin, Add	81.40	
	For Up To >10, Add	668.08	
	For >10 To 25, Add	392.28	
	For >25 To 50, Add	284.70	
	For >50 To 100, Add	142.35	
	For >500 To 1,000, Deduct	-53.70	
	For >1,000 To 2,000, Deduct	-81.28	
	For >2,000 To 5,000, Deduct	-132.97	
	For >5,000, Deduct	-220.64	
33 01 30 72-0103	LF 18mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,177.59	
	For Vinylster Resin, Add	778.33	
	For Epoxy Resin, Add	91.73	
	For Up To >10, Add	753.02	
	For >10 To 25, Add	442.20	
	For >25 To 50, Add	320.92	
	For >50 To 100, Add	160.46	
	For >500 To 1,000, Deduct	-60.52	
	For >1,000 To 2,000, Deduct	-91.60	
	For >2,000 To 5,000, Deduct	-149.85	
	For >5,000, Deduct	-248.66	
33 01 30 72-0104	LF 18mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,310.08	
	For Vinylster Resin, Add	865.96	
	For Epoxy Resin, Add	102.06	
	For Up To >10, Add	837.54	
	For >10 To 25, Add	491.77	
	For >25 To 50, Add	356.92	
	For >50 To 100, Add	178.46	
	For >500 To 1,000, Deduct	-67.33	
	For >1,000 To 2,000, Deduct	-101.91	
	For >2,000 To 5,000, Deduct	-166.70	
	For >5,000, Deduct	-276.62	
33 01 30 72-0105	LF 18mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,443.12	
	For Vinylster Resin, Add	953.59	
	For Epoxy Resin, Add	112.39	
	For Up To >10, Add	923.69	
	For >10 To 25, Add	542.69	
	For >25 To 50, Add	393.73	
	For >50 To 100, Add	196.86	
	For >500 To 1,000, Deduct	-74.18	
	For >1,000 To 2,000, Deduct	-112.28	
	For >2,000 To 5,000, Deduct	-183.68	
	For >5,000, Deduct	-304.79	
33 01 30 72-0106	LF 18mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,575.75	
	For Vinylster Resin, Add	1,041.22	
	For Epoxy Resin, Add	122.71	
	For Up To >10, Add	1,008.63	
	For >10 To 25, Add	592.61	
	For >25 To 50, Add	429.94	
	For >50 To 100, Add	214.97	
	For >500 To 1,000, Deduct	-81.00	
	For >1,000 To 2,000, Deduct	-122.60	
	For >2,000 To 5,000, Deduct	-200.57	
	For >5,000, Deduct	-332.81	
33 01 30 72-0107	19.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)		
33 01 30 72-0108	LF 19.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	416.76	
	For Vinylster Resin, Add	272.65	
	For Epoxy Resin, Add	32.13	
	For Up To >10, Add	276.53	
	For >10 To 25, Add	165.53	
	For >25 To 50, Add	118.79	
	For >50 To 100, Add	59.40	
	For >500 To 1,000, Deduct	-21.52	
	For >1,000 To 2,000, Deduct	-32.62	
	For >2,000 To 5,000, Deduct	-53.56	
	For >5,000, Deduct	-88.80	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0109	LF	19.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	486.85	
		For Vinlyester Resin, Add	320.12	
		For Epoxy Resin, Add	37.73	
		For Up To >10, Add	317.25	
		For >10 To 25, Add	188.16	
		For >25 To 50, Add	135.76	
		For >50 To 100, Add	67.88	
		For >500 To 1,000, Deduct	-25.08	
		For >1,000 To 2,000, Deduct	-37.99	
		For >2,000 To 5,000, Deduct	-62.26	
		For >5,000, Deduct	-103.28	
33 01 30 72-0110	LF	19.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	557.30	
		For Vinlyester Resin, Add	367.58	
		For Epoxy Resin, Add	43.32	
		For Up To >10, Add	359.10	
		For >10 To 25, Add	211.73	
		For >25 To 50, Add	153.29	
		For >50 To 100, Add	76.65	
		For >500 To 1,000, Deduct	-28.67	
		For >1,000 To 2,000, Deduct	-43.41	
		For >2,000 To 5,000, Deduct	-71.06	
		For >5,000, Deduct	-117.90	
33 01 30 72-0111	LF	19.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	628.04	
		For Vinlyester Resin, Add	415.05	
		For Epoxy Resin, Add	48.92	
		For Up To >10, Add	401.80	
		For >10 To 25, Add	236.01	
		For >25 To 50, Add	171.25	
		For >50 To 100, Add	85.63	
		For >500 To 1,000, Deduct	-32.28	
		For >1,000 To 2,000, Deduct	-48.86	
		For >2,000 To 5,000, Deduct	-79.93	
		For >5,000, Deduct	-132.63	
33 01 30 72-0112	LF	19.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	699.84	
		For Vinlyester Resin, Add	462.52	
		For Epoxy Resin, Add	54.51	
		For Up To >10, Add	447.67	
		For >10 To 25, Add	262.94	
		For >25 To 50, Add	190.80	
		For >50 To 100, Add	95.40	
		For >500 To 1,000, Deduct	-35.97	
		For >1,000 To 2,000, Deduct	-54.44	
		For >2,000 To 5,000, Deduct	-89.06	
		For >5,000, Deduct	-147.79	
33 01 30 72-0113	LF	19.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	842.37	
		For Vinlyester Resin, Add	557.45	
		For Epoxy Resin, Add	65.70	
		For Up To >10, Add	536.21	
		For >10 To 25, Add	314.12	
		For >25 To 50, Add	228.29	
		For >50 To 100, Add	114.14	
		For >500 To 1,000, Deduct	-43.27	
		For >1,000 To 2,000, Deduct	-65.48	
		For >2,000 To 5,000, Deduct	-107.07	
		For >5,000, Deduct	-177.68	
33 01 30 72-0114	LF	19.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	985.30	
		For Vinlyester Resin, Add	652.39	
		For Epoxy Resin, Add	76.89	
		For Up To >10, Add	625.95	
		For >10 To 25, Add	366.30	
		For >25 To 50, Add	266.38	
		For >50 To 100, Add	133.19	
		For >500 To 1,000, Deduct	-50.60	
		For >1,000 To 2,000, Deduct	-76.56	
		For >2,000 To 5,000, Deduct	-125.17	
		For >5,000, Deduct	-207.72	
33 01 30 72-0115	LF	19.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,129.17	
		For Vinlyester Resin, Add	747.32	
		For Epoxy Resin, Add	88.08	
		For Up To >10, Add	718.51	
		For >10 To 25, Add	420.83	
		For >25 To 50, Add	305.88	
		For >50 To 100, Add	152.94	
		For >500 To 1,000, Deduct	-58.00	
		For >1,000 To 2,000, Deduct	-87.77	
		For >2,000 To 5,000, Deduct	-143.50	
		For >5,000, Deduct	-238.15	
33 01 30 72-0116	LF	19.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,272.63	
		For Vinlyester Resin, Add	842.25	
		For Epoxy Resin, Add	99.27	
		For Up To >10, Add	809.84	
		For >10 To 25, Add	474.33	
		For >25 To 50, Add	344.76	
		For >50 To 100, Add	172.38	
		For >500 To 1,000, Deduct	-65.37	
		For >1,000 To 2,000, Deduct	-98.92	
		For >2,000 To 5,000, Deduct	-161.74	
		For >5,000, Deduct	-268.41	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 01 30 72-0117	LF	19.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,416.09
		For Vinylster Resin, Add	937.18
		For Epoxy Resin, Add	110.45
		For Up To >10, Add	901.20
		For >10 To 25, Add	527.86
		For >25 To 50, Add	383.66
		For >50 To 100, Add	191.83
		For >500 To 1,000, Deduct	-72.74
		For >1,000 To 2,000, Deduct	-110.07
		For >2,000 To 5,000, Deduct	-179.97
		For >5,000, Deduct	-298.67
33 01 30 72-0118	LF	19.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,561.16
		For Vinylster Resin, Add	1,032.12
		For Epoxy Resin, Add	121.64
		For Up To >10, Add	997.33
		For >10 To 25, Add	585.37
		For >25 To 50, Add	424.94
		For >50 To 100, Add	212.47
		For >500 To 1,000, Deduct	-80.23
		For >1,000 To 2,000, Deduct	-121.42
		For >2,000 To 5,000, Deduct	-198.61
		For >5,000, Deduct	-329.57
33 01 30 72-0119	LF	19.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,704.75
		For Vinylster Resin, Add	1,127.05
		For Epoxy Resin, Add	132.83
		For Up To >10, Add	1,089.08
		For >10 To 25, Add	639.22
		For >25 To 50, Add	464.03
		For >50 To 100, Add	232.02
		For >500 To 1,000, Deduct	-87.60
		For >1,000 To 2,000, Deduct	-132.59
		For >2,000 To 5,000, Deduct	-216.88
		For >5,000, Deduct	-359.89

33 01 30 72-0120 21mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)

33 01 30 72-0121	LF	21mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	446.22
		For Vinylster Resin, Add	292.62
		For Epoxy Resin, Add	34.49
		For Up To >10, Add	293.59
		For >10 To 25, Add	174.98
		For >25 To 50, Add	125.89
		For >50 To 100, Add	62.95
		For >500 To 1,000, Deduct	-23.02
		For >1,000 To 2,000, Deduct	-34.88
		For >2,000 To 5,000, Deduct	-57.21
		For >5,000, Deduct	-94.88
33 01 30 72-0122	LF	21mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	521.64
		For Vinylster Resin, Add	343.74
		For Epoxy Resin, Add	40.51
		For Up To >10, Add	337.30
		For >10 To 25, Add	199.24
		For >25 To 50, Add	144.10
		For >50 To 100, Add	72.05
		For >500 To 1,000, Deduct	-26.85
		For >1,000 To 2,000, Deduct	-40.65
		For >2,000 To 5,000, Deduct	-66.57
		For >5,000, Deduct	-110.45
33 01 30 72-0123	LF	21mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	597.46
		For Vinylster Resin, Add	394.86
		For Epoxy Resin, Add	46.54
		For Up To >10, Add	382.18
		For >10 To 25, Add	224.47
		For >25 To 50, Add	162.89
		For >50 To 100, Add	81.44
		For >500 To 1,000, Deduct	-30.71
		For >1,000 To 2,000, Deduct	-46.48
		For >2,000 To 5,000, Deduct	-76.03
		For >5,000, Deduct	-126.17
33 01 30 72-0124	LF	21mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	673.13
		For Vinylster Resin, Add	445.97
		For Epoxy Resin, Add	52.56
		For Up To >10, Add	426.64
		For >10 To 25, Add	249.35
		For >25 To 50, Add	181.47
		For >50 To 100, Add	90.73
		For >500 To 1,000, Deduct	-34.56
		For >1,000 To 2,000, Deduct	-52.29
		For >2,000 To 5,000, Deduct	-85.46
		For >5,000, Deduct	-141.83
33 01 30 72-0125	LF	21mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	750.29
		For Vinylster Resin, Add	497.09
		For Epoxy Resin, Add	58.59
		For Up To >10, Add	475.55
		For >10 To 25, Add	277.93
		For >25 To 50, Add	202.27
		For >50 To 100, Add	101.13
		For >500 To 1,000, Deduct	-38.52
		For >1,000 To 2,000, Deduct	-58.28
		For >2,000 To 5,000, Deduct	-95.26
		For >5,000, Deduct	-158.09

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0126	LF	21mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	904.59	
		For Vinylester Resin, Add	599.33	
		For Epoxy Resin, Add	70.63	
		For Up To >10, Add	573.32	
		For >10 To 25, Add	335.07	
		For >25 To 50, Add	243.85	
		For >50 To 100, Add	121.93	
		For >500 To 1,000, Deduct	-46.44	
		For >1,000 To 2,000, Deduct	-70.26	
		For >2,000 To 5,000, Deduct	-114.84	
		For >5,000, Deduct	-190.60	
33 01 30 72-0127	LF	21mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,058.88	
		For Vinylester Resin, Add	701.56	
		For Epoxy Resin, Add	82.68	
		For Up To >10, Add	671.07	
		For >10 To 25, Add	392.18	
		For >25 To 50, Add	285.42	
		For >50 To 100, Add	142.71	
		For >500 To 1,000, Deduct	-54.36	
		For >1,000 To 2,000, Deduct	-82.25	
		For >2,000 To 5,000, Deduct	-134.43	
		For >5,000, Deduct	-223.11	
33 01 30 72-0128	LF	21mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,213.17	
		For Vinylester Resin, Add	803.80	
		For Epoxy Resin, Add	94.73	
		For Up To >10, Add	768.81	
		For >10 To 25, Add	449.30	
		For >25 To 50, Add	326.99	
		For >50 To 100, Add	163.50	
		For >500 To 1,000, Deduct	-62.28	
		For >1,000 To 2,000, Deduct	-94.23	
		For >2,000 To 5,000, Deduct	-154.02	
		For >5,000, Deduct	-255.61	
33 01 30 72-0129	LF	21mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,367.47	
		For Vinylester Resin, Add	906.03	
		For Epoxy Resin, Add	106.78	
		For Up To >10, Add	866.59	
		For >10 To 25, Add	506.43	
		For >25 To 50, Add	368.58	
		For >50 To 100, Add	184.29	
		For >500 To 1,000, Deduct	-70.20	
		For >1,000 To 2,000, Deduct	-106.22	
		For >2,000 To 5,000, Deduct	-173.60	
		For >5,000, Deduct	-288.12	
33 01 30 72-0130	LF	21mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,521.76	
		For Vinylester Resin, Add	1,008.27	
		For Epoxy Resin, Add	118.83	
		For Up To >10, Add	964.33	
		For >10 To 25, Add	563.55	
		For >25 To 50, Add	410.15	
		For >50 To 100, Add	205.07	
		For >500 To 1,000, Deduct	-78.12	
		For >1,000 To 2,000, Deduct	-118.20	
		For >2,000 To 5,000, Deduct	-193.19	
		For >5,000, Deduct	-320.63	
33 01 30 72-0131	LF	21mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,679.00	
		For Vinylester Resin, Add	1,110.51	
		For Epoxy Resin, Add	130.88	
		For Up To >10, Add	1,070.90	
		For >10 To 25, Add	628.01	
		For >25 To 50, Add	456.13	
		For >50 To 100, Add	228.06	
		For >500 To 1,000, Deduct	-86.26	
		For >1,000 To 2,000, Deduct	-130.55	
		For >2,000 To 5,000, Deduct	-213.51	
		For >5,000, Deduct	-354.31	
33 01 30 72-0132	LF	21mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,833.55	
		For Vinylester Resin, Add	1,212.74	
		For Epoxy Resin, Add	142.93	
		For Up To >10, Add	1,169.43	
		For >10 To 25, Add	685.77	
		For >25 To 50, Add	498.09	
		For >50 To 100, Add	249.04	
		For >500 To 1,000, Deduct	-94.20	
		For >1,000 To 2,000, Deduct	-142.57	
		For >2,000 To 5,000, Deduct	-233.16	
		For >5,000, Deduct	-386.92	
33 01 30 72-0133		22.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)		
33 01 30 72-0134	LF	22.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	475.34	
		For Vinylester Resin, Add	312.45	
		For Epoxy Resin, Add	36.82	
		For Up To >10, Add	310.15	
		For >10 To 25, Add	184.06	
		For >25 To 50, Add	132.76	
		For >50 To 100, Add	66.38	
		For >500 To 1,000, Deduct	-24.49	
		For >1,000 To 2,000, Deduct	-37.10	
		For >2,000 To 5,000, Deduct	-60.81	
		For >5,000, Deduct	-100.87	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 01 30 72-0135	LF 22.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	555.97	
	For Vinylester Resin, Add	367.21	
	For Epoxy Resin, Add	43.28	
	For Up To >10, Add	356.44	
	For >10 To 25, Add	209.60	
	For >25 To 50, Add	151.99	
	For >50 To 100, Add	75.99	
	For >500 To 1,000, Deduct	-28.58	
	For >1,000 To 2,000, Deduct	-43.27	
	For >2,000 To 5,000, Deduct	-70.80	
	For >5,000, Deduct	-117.47	
33 01 30 72-0136	LF 22.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	637.42	
	For Vinylester Resin, Add	421.99	
	For Epoxy Resin, Add	49.73	
	For Up To >10, Add	405.16	
	For >10 To 25, Add	237.16	
	For >25 To 50, Add	172.44	
	For >50 To 100, Add	86.22	
	For >500 To 1,000, Deduct	-32.74	
	For >1,000 To 2,000, Deduct	-49.54	
	For >2,000 To 5,000, Deduct	-80.99	
	For >5,000, Deduct	-134.40	
33 01 30 72-0137	LF 22.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	719.23	
	For Vinylester Resin, Add	476.75	
	For Epoxy Resin, Add	56.19	
	For Up To >10, Add	455.02	
	For >10 To 25, Add	265.67	
	For >25 To 50, Add	193.45	
	For >50 To 100, Add	96.73	
	For >500 To 1,000, Deduct	-36.92	
	For >1,000 To 2,000, Deduct	-55.85	
	For >2,000 To 5,000, Deduct	-91.27	
	For >5,000, Deduct	-151.48	
33 01 30 72-0138	LF 22.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	801.86	
	For Vinylester Resin, Add	531.52	
	For Epoxy Resin, Add	62.64	
	For Up To >10, Add	507.31	
	For >10 To 25, Add	296.20	
	For >25 To 50, Add	215.69	
	For >50 To 100, Add	107.84	
	For >500 To 1,000, Deduct	-41.16	
	For >1,000 To 2,000, Deduct	-62.27	
	For >2,000 To 5,000, Deduct	-101.75	
	For >5,000, Deduct	-168.88	
33 01 30 72-0139	LF 22.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	967.13	
	For Vinylester Resin, Add	641.06	
	For Epoxy Resin, Add	75.55	
	For Up To >10, Add	611.89	
	For >10 To 25, Add	357.28	
	For >25 To 50, Add	260.16	
	For >50 To 100, Add	130.08	
	For >500 To 1,000, Deduct	-49.64	
	For >1,000 To 2,000, Deduct	-75.10	
	For >2,000 To 5,000, Deduct	-122.73	
	For >5,000, Deduct	-203.69	
33 01 30 72-0140	LF 22.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,132.38	
	For Vinylester Resin, Add	750.60	
	For Epoxy Resin, Add	88.46	
	For Up To >10, Add	716.44	
	For >10 To 25, Add	418.32	
	For >25 To 50, Add	304.61	
	For >50 To 100, Add	152.30	
	For >500 To 1,000, Deduct	-58.12	
	For >1,000 To 2,000, Deduct	-87.93	
	For >2,000 To 5,000, Deduct	-143.70	
	For >5,000, Deduct	-238.50	
33 01 30 72-0141	LF 22.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,297.65	
	For Vinylester Resin, Add	860.13	
	For Epoxy Resin, Add	101.37	
	For Up To >10, Add	821.05	
	For >10 To 25, Add	479.42	
	For >25 To 50, Add	349.09	
	For >50 To 100, Add	174.54	
	For >500 To 1,000, Deduct	-66.60	
	For >1,000 To 2,000, Deduct	-100.77	
	For >2,000 To 5,000, Deduct	-164.67	
	For >5,000, Deduct	-273.31	
33 01 30 72-0142	LF 22.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,462.91	
	For Vinylester Resin, Add	969.68	
	For Epoxy Resin, Add	114.28	
	For Up To >10, Add	925.61	
	For >10 To 25, Add	540.46	
	For >25 To 50, Add	393.54	
	For >50 To 100, Add	196.77	
	For >500 To 1,000, Deduct	-75.09	
	For >1,000 To 2,000, Deduct	-113.60	
	For >2,000 To 5,000, Deduct	-185.65	
	For >5,000, Deduct	-308.11	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0143	LF	22.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,628.17	
		For Vinylester Resin, Add	1,079.21	
		For Epoxy Resin, Add	127.19	
		For Up To >10, Add	1,030.19	
		For >10 To 25, Add	601.53	
		For >25 To 50, Add	438.01	
		For >50 To 100, Add	219.00	
		For >500 To 1,000, Deduct	-83.57	
		For >1,000 To 2,000, Deduct	-126.43	
		For >2,000 To 5,000, Deduct	-206.62	
		For >5,000, Deduct	-342.92	
33 01 30 72-0144	LF	22.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,796.49	
		For Vinylester Resin, Add	1,188.75	
		For Epoxy Resin, Add	140.10	
		For Up To >10, Add	1,143.92	
		For >10 To 25, Add	670.23	
		For >25 To 50, Add	487.05	
		For >50 To 100, Add	243.52	
		For >500 To 1,000, Deduct	-92.28	
		For >1,000 To 2,000, Deduct	-139.65	
		For >2,000 To 5,000, Deduct	-228.35	
		For >5,000, Deduct	-378.95	
33 01 30 72-0145	LF	22.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,962.02	
		For Vinylester Resin, Add	1,298.29	
		For Epoxy Resin, Add	153.01	
		For Up To >10, Add	1,249.31	
		For >10 To 25, Add	731.98	
		For >25 To 50, Add	531.92	
		For >50 To 100, Add	265.96	
		For >500 To 1,000, Deduct	-100.78	
		For >1,000 To 2,000, Deduct	-152.52	
		For >2,000 To 5,000, Deduct	-249.39	
		For >5,000, Deduct	-413.87	
33 01 30 72-0146 24mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)				
33 01 30 72-0147	LF	24mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	504.11	
		For Vinylester Resin, Add	332.12	
		For Epoxy Resin, Add	39.14	
		For Up To >10, Add	326.18	
		For >10 To 25, Add	192.74	
		For >25 To 50, Add	139.37	
		For >50 To 100, Add	69.68	
		For >500 To 1,000, Deduct	-25.95	
		For >1,000 To 2,000, Deduct	-39.29	
		For >2,000 To 5,000, Deduct	-64.35	
		For >5,000, Deduct	-106.75	
33 01 30 72-0148	LF	24mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	589.97	
		For Vinylester Resin, Add	390.54	
		For Epoxy Resin, Add	46.03	
		For Up To >10, Add	375.11	
		For >10 To 25, Add	219.61	
		For >25 To 50, Add	159.66	
		For >50 To 100, Add	79.83	
		For >500 To 1,000, Deduct	-30.30	
		For >1,000 To 2,000, Deduct	-45.85	
		For >2,000 To 5,000, Deduct	-74.96	
		For >5,000, Deduct	-124.40	
33 01 30 72-0149	LF	24mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	677.02	
		For Vinylester Resin, Add	448.97	
		For Epoxy Resin, Add	52.91	
		For Up To >10, Add	427.61	
		For >10 To 25, Add	249.45	
		For >25 To 50, Add	181.74	
		For >50 To 100, Add	90.87	
		For >500 To 1,000, Deduct	-34.74	
		For >1,000 To 2,000, Deduct	-52.56	
		For >2,000 To 5,000, Deduct	-85.88	
		For >5,000, Deduct	-142.53	
33 01 30 72-0150	LF	24mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	765.13	
		For Vinylester Resin, Add	507.38	
		For Epoxy Resin, Add	59.80	
		For Up To >10, Add	483.32	
		For >10 To 25, Add	281.96	
		For >25 To 50, Add	205.42	
		For >50 To 100, Add	102.71	
		For >500 To 1,000, Deduct	-39.26	
		For >1,000 To 2,000, Deduct	-59.40	
		For >2,000 To 5,000, Deduct	-97.05	
		For >5,000, Deduct	-161.09	
33 01 30 72-0151	LF	24mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	853.24	
		For Vinylester Resin, Add	565.80	
		For Epoxy Resin, Add	66.68	
		For Up To >10, Add	539.00	
		For >10 To 25, Add	314.45	
		For >25 To 50, Add	229.08	
		For >50 To 100, Add	114.54	
		For >500 To 1,000, Deduct	-43.79	
		For >1,000 To 2,000, Deduct	-66.24	
		For >2,000 To 5,000, Deduct	-108.23	
		For >5,000, Deduct	-179.64	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 01 30 72-0152	LF 24mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,029.47	
	For Vinylster Resin, Add	682.65	
	For Epoxy Resin, Add	80.45	
	For Up To >10, Add	650.39	
	For >10 To 25, Add	379.45	
	For >25 To 50, Add	276.43	
	For >50 To 100, Add	138.22	
	For >500 To 1,000, Deduct	-52.83	
	For >1,000 To 2,000, Deduct	-79.92	
	For >2,000 To 5,000, Deduct	-130.59	
	For >5,000, Deduct	-216.75	
33 01 30 72-0153	LF 24mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,252.56	
	For Vinylster Resin, Add	832.39	
	For Epoxy Resin, Add	98.10	
	For Up To >10, Add	784.86	
	For >10 To 25, Add	455.86	
	For >25 To 50, Add	332.97	
	For >50 To 100, Add	166.49	
	For >500 To 1,000, Deduct	-64.21	
	For >1,000 To 2,000, Deduct	-97.11	
	For >2,000 To 5,000, Deduct	-158.55	
	For >5,000, Deduct	-263.20	
33 01 30 72-0154	LF 24mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,381.78	
	For Vinylster Resin, Add	916.33	
	For Epoxy Resin, Add	108.00	
	For Up To >10, Add	872.74	
	For >10 To 25, Add	509.11	
	For >25 To 50, Add	370.92	
	For >50 To 100, Add	185.46	
	For >500 To 1,000, Deduct	-70.91	
	For >1,000 To 2,000, Deduct	-107.27	
	For >2,000 To 5,000, Deduct	-175.27	
	For >5,000, Deduct	-290.90	
33 01 30 72-0155	LF 24mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,558.01	
	For Vinylster Resin, Add	1,033.17	
	For Epoxy Resin, Add	121.77	
	For Up To >10, Add	984.13	
	For >10 To 25, Add	574.12	
	For >25 To 50, Add	418.27	
	For >50 To 100, Add	209.13	
	For >500 To 1,000, Deduct	-79.95	
	For >1,000 To 2,000, Deduct	-120.95	
	For >2,000 To 5,000, Deduct	-197.63	
	For >5,000, Deduct	-328.01	
33 01 30 72-0156	LF 24mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,734.23	
	For Vinylster Resin, Add	1,150.01	
	For Epoxy Resin, Add	135.54	
	For Up To >10, Add	1,095.52	
	For >10 To 25, Add	639.12	
	For >25 To 50, Add	465.61	
	For >50 To 100, Add	232.81	
	For >500 To 1,000, Deduct	-89.00	
	For >1,000 To 2,000, Deduct	-134.64	
	For >2,000 To 5,000, Deduct	-219.98	
	For >5,000, Deduct	-365.12	
33 01 30 72-0157	LF 24mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,913.64	
	For Vinylster Resin, Add	1,266.85	
	For Epoxy Resin, Add	149.31	
	For Up To >10, Add	1,216.45	
	For >10 To 25, Add	712.07	
	For >25 To 50, Add	517.73	
	For >50 To 100, Add	258.87	
	For >500 To 1,000, Deduct	-98.28	
	For >1,000 To 2,000, Deduct	-148.72	
	For >2,000 To 5,000, Deduct	-243.14	
	For >5,000, Deduct	-403.50	
33 01 30 72-0158	LF 24mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,090.13	
	For Vinylster Resin, Add	1,383.69	
	For Epoxy Resin, Add	163.08	
	For Up To >10, Add	1,328.64	
	For >10 To 25, Add	777.75	
	For >25 To 50, Add	565.49	
	For >50 To 100, Add	282.74	
	For >500 To 1,000, Deduct	-107.34	
	For >1,000 To 2,000, Deduct	-162.43	
	For >2,000 To 5,000, Deduct	-265.56	
	For >5,000, Deduct	-440.71	
33 01 30 72-0159	LF 24mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,266.63	
	For Vinylster Resin, Add	1,500.53	
	For Epoxy Resin, Add	176.85	
	For Up To >10, Add	1,440.84	
	For >10 To 25, Add	843.43	
	For >25 To 50, Add	613.24	
	For >50 To 100, Add	306.62	
	For >500 To 1,000, Deduct	-116.41	
	For >1,000 To 2,000, Deduct	-176.15	
	For >2,000 To 5,000, Deduct	-287.99	
	For >5,000, Deduct	-477.93	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
33 01 30 72-0160	LF		24mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,443.12	
			For Vinylester Resin, Add	1,617.38	
			For Epoxy Resin, Add	190.62	
			For Up To >10, Add	1,553.01	
			For >10 To 25, Add	909.09	
			For >25 To 50, Add	660.98	
			For >50 To 100, Add	330.49	
			For >500 To 1,000, Deduct	-125.47	
			For >1,000 To 2,000, Deduct	-189.86	
			For >2,000 To 5,000, Deduct	-310.41	
			For >5,000, Deduct	-515.14	
33 01 30 72-0161			25.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)		
33 01 30 72-0162	LF		25.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	624.16	
			For Vinylester Resin, Add	413.73	
			For Epoxy Resin, Add	48.76	
			For Up To >10, Add	394.88	
			For >10 To 25, Add	230.56	
			For >25 To 50, Add	167.89	
			For >50 To 100, Add	83.94	
			For >500 To 1,000, Deduct	-32.04	
			For >1,000 To 2,000, Deduct	-48.47	
			For >2,000 To 5,000, Deduct	-79.20	
			For >5,000, Deduct	-131.46	
33 01 30 72-0163	LF		25.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	717.21	
			For Vinylester Resin, Add	475.80	
			For Epoxy Resin, Add	56.08	
			For Up To >10, Add	452.36	
			For >10 To 25, Add	263.68	
			For >25 To 50, Add	192.19	
			For >50 To 100, Add	96.10	
			For >500 To 1,000, Deduct	-36.80	
			For >1,000 To 2,000, Deduct	-55.67	
			For >2,000 To 5,000, Deduct	-90.94	
			For >5,000, Deduct	-150.94	
33 01 30 72-0164	LF		25.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	810.81	
			For Vinylester Resin, Add	537.87	
			For Epoxy Resin, Add	63.39	
			For Up To >10, Add	511.46	
			For >10 To 25, Add	298.15	
			For >25 To 50, Add	217.31	
			For >50 To 100, Add	108.65	
			For >500 To 1,000, Deduct	-41.60	
			For >1,000 To 2,000, Deduct	-62.93	
			For >2,000 To 5,000, Deduct	-102.81	
			For >5,000, Deduct	-170.65	
33 01 30 72-0165	LF		25.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	904.27	
			For Vinylester Resin, Add	599.95	
			For Epoxy Resin, Add	70.71	
			For Up To >10, Add	570.14	
			For >10 To 25, Add	332.27	
			For >25 To 50, Add	242.21	
			For >50 To 100, Add	121.11	
			For >500 To 1,000, Deduct	-46.39	
			For >1,000 To 2,000, Deduct	-70.18	
			For >2,000 To 5,000, Deduct	-114.65	
			For >5,000, Deduct	-190.29	
33 01 30 72-0166	LF		25.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,091.46	
			For Vinylester Resin, Add	724.09	
			For Epoxy Resin, Add	85.34	
			For Up To >10, Add	688.36	
			For >10 To 25, Add	401.23	
			For >25 To 50, Add	292.46	
			For >50 To 100, Add	146.23	
			For >500 To 1,000, Deduct	-56.00	
			For >1,000 To 2,000, Deduct	-84.71	
			For >2,000 To 5,000, Deduct	-138.39	
			For >5,000, Deduct	-229.70	
33 01 30 72-0167	LF		25.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,278.52	
			For Vinylester Resin, Add	848.23	
			For Epoxy Resin, Add	99.97	
			For Up To >10, Add	806.16	
			For >10 To 25, Add	469.84	
			For >25 To 50, Add	342.49	
			For >50 To 100, Add	171.25	
			For >500 To 1,000, Deduct	-65.60	
			For >1,000 To 2,000, Deduct	-99.23	
			For >2,000 To 5,000, Deduct	-162.10	
			For >5,000, Deduct	-269.06	
33 01 30 72-0168	LF		25.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,465.70	
			For Vinylester Resin, Add	972.38	
			For Epoxy Resin, Add	114.60	
			For Up To >10, Add	924.33	
			For >10 To 25, Add	538.75	
			For >25 To 50, Add	392.71	
			For >50 To 100, Add	196.35	
			For >500 To 1,000, Deduct	-75.20	
			For >1,000 To 2,000, Deduct	-113.76	
			For >2,000 To 5,000, Deduct	-185.84	
			For >5,000, Deduct	-308.46	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 01 30 72-0169	LF 25.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,652.76	
	For Vinlyester Resin, Add	1,096.52	
	For Epoxy Resin, Add	129.23	
	For Up To >10, Add	1,042.13	
	For >10 To 25, Add	607.37	
	For >25 To 50, Add	442.74	
	For >50 To 100, Add	221.37	
	For >500 To 1,000, Deduct	-84.80	
	For >1,000 To 2,000, Deduct	-128.27	
	For >2,000 To 5,000, Deduct	-209.55	
	For >5,000, Deduct	-347.81	
33 01 30 72-0170	LF 25.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,839.96	
	For Vinlyester Resin, Add	1,220.67	
	For Epoxy Resin, Add	143.86	
	For Up To >10, Add	1,160.36	
	For >10 To 25, Add	676.33	
	For >25 To 50, Add	492.99	
	For >50 To 100, Add	246.49	
	For >500 To 1,000, Deduct	-94.40	
	For >1,000 To 2,000, Deduct	-142.80	
	For >2,000 To 5,000, Deduct	-233.29	
	For >5,000, Deduct	-387.22	
33 01 30 72-0171	LF 25.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,031.39	
	For Vinlyester Resin, Add	1,344.81	
	For Epoxy Resin, Add	158.49	
	For Up To >10, Add	1,291.30	
	For >10 To 25, Add	755.89	
	For >25 To 50, Add	549.59	
	For >50 To 100, Add	274.80	
	For >500 To 1,000, Deduct	-104.33	
	For >1,000 To 2,000, Deduct	-157.87	
	For >2,000 To 5,000, Deduct	-258.10	
	For >5,000, Deduct	-428.33	
33 01 30 72-0172	LF 25.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,218.99	
	For Vinlyester Resin, Add	1,468.96	
	For Epoxy Resin, Add	173.13	
	For Up To >10, Add	1,410.70	
	For >10 To 25, Add	825.83	
	For >25 To 50, Add	600.42	
	For >50 To 100, Add	300.21	
	For >500 To 1,000, Deduct	-113.96	
	For >1,000 To 2,000, Deduct	-172.45	
	For >2,000 To 5,000, Deduct	-281.94	
	For >5,000, Deduct	-467.89	
33 01 30 72-0173	LF 25.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,406.44	
	For Vinlyester Resin, Add	1,593.10	
	For Epoxy Resin, Add	187.76	
	For Up To >10, Add	1,529.70	
	For >10 To 25, Add	895.44	
	For >25 To 50, Add	651.06	
	For >50 To 100, Add	325.53	
	For >500 To 1,000, Deduct	-123.59	
	For >1,000 To 2,000, Deduct	-187.01	
	For >2,000 To 5,000, Deduct	-305.75	
	For >5,000, Deduct	-507.41	
33 01 30 72-0174	LF 25.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,594.02	
	For Vinlyester Resin, Add	1,717.24	
	For Epoxy Resin, Add	202.39	
	For Up To >10, Add	1,649.06	
	For >10 To 25, Add	965.35	
	For >25 To 50, Add	701.87	
	For >50 To 100, Add	350.94	
	For >500 To 1,000, Deduct	-133.22	
	For >1,000 To 2,000, Deduct	-201.59	
	For >2,000 To 5,000, Deduct	-329.59	
	For >5,000, Deduct	-546.97	

33 01 30 72-0175 27mm Thick Lining Cured In-Place Pipe
(33 01 30 72-0015)

33 01 30 72-0176	LF 27mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	658.00	
	For Vinlyester Resin, Add	436.77	
	For Epoxy Resin, Add	51.48	
	For Up To >10, Add	414.10	
	For >10 To 25, Add	241.09	
	For >25 To 50, Add	175.85	
	For >50 To 100, Add	87.93	
	For >500 To 1,000, Deduct	-33.75	
	For >1,000 To 2,000, Deduct	-51.05	
	For >2,000 To 5,000, Deduct	-83.39	
	For >5,000, Deduct	-138.41	
33 01 30 72-0177	LF 27mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	757.08	
	For Vinlyester Resin, Add	502.50	
	For Epoxy Resin, Add	59.22	
	For Up To >10, Add	476.62	
	For >10 To 25, Add	277.54	
	For >25 To 50, Add	202.42	
	For >50 To 100, Add	101.21	
	For >500 To 1,000, Deduct	-38.83	
	For >1,000 To 2,000, Deduct	-58.74	
	For >2,000 To 5,000, Deduct	-95.95	
	For >5,000, Deduct	-159.26	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
33 01 30 72-0178	LF		27mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	856.16	
			For Vinylester Resin, Add	568.23	
			For Epoxy Resin, Add	66.97	
			For Up To >10, Add	539.11	
			For >10 To 25, Add	313.96	
			For >25 To 50, Add	228.97	
			For >50 To 100, Add	114.48	
			For >500 To 1,000, Deduct	-43.92	
			For >1,000 To 2,000, Deduct	-66.43	
			For >2,000 To 5,000, Deduct	-108.51	
			For >5,000, Deduct	-180.11	
33 01 30 72-0179	LF		27mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	955.11	
			For Vinylester Resin, Add	633.95	
			For Epoxy Resin, Add	74.72	
			For Up To >10, Add	601.23	
			For >10 To 25, Add	350.09	
			For >25 To 50, Add	255.33	
			For >50 To 100, Add	127.67	
			For >500 To 1,000, Deduct	-48.99	
			For >1,000 To 2,000, Deduct	-74.11	
			For >2,000 To 5,000, Deduct	-121.04	
			For >5,000, Deduct	-200.92	
33 01 30 72-0180	LF		27mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,153.11	
			For Vinylester Resin, Add	765.39	
			For Epoxy Resin, Add	90.21	
			For Up To >10, Add	725.81	
			For >10 To 25, Add	422.60	
			For >25 To 50, Add	308.23	
			For >50 To 100, Add	154.12	
			For >500 To 1,000, Deduct	-59.15	
			For >1,000 To 2,000, Deduct	-89.47	
			For >2,000 To 5,000, Deduct	-146.13	
			For >5,000, Deduct	-242.56	
33 01 30 72-0181	LF		27mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,351.27	
			For Vinylester Resin, Add	896.83	
			For Epoxy Resin, Add	105.70	
			For Up To >10, Add	850.84	
			For >10 To 25, Add	495.50	
			For >25 To 50, Add	361.36	
			For >50 To 100, Add	180.68	
			For >500 To 1,000, Deduct	-69.32	
			For >1,000 To 2,000, Deduct	-104.85	
			For >2,000 To 5,000, Deduct	-171.26	
			For >5,000, Deduct	-284.27	
33 01 30 72-0182	LF		27mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,549.30	
			For Vinylester Resin, Add	1,028.29	
			For Epoxy Resin, Add	121.19	
			For Up To >10, Add	975.45	
			For >10 To 25, Add	568.05	
			For >25 To 50, Add	414.28	
			For >50 To 100, Add	207.14	
			For >500 To 1,000, Deduct	-79.47	
			For >1,000 To 2,000, Deduct	-120.21	
			For >2,000 To 5,000, Deduct	-196.36	
			For >5,000, Deduct	-325.92	
33 01 30 72-0183	LF		27mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,747.31	
			For Vinylester Resin, Add	1,159.73	
			For Epoxy Resin, Add	136.68	
			For Up To >10, Add	1,100.06	
			For >10 To 25, Add	640.59	
			For >25 To 50, Add	467.19	
			For >50 To 100, Add	233.60	
			For >500 To 1,000, Deduct	-89.63	
			For >1,000 To 2,000, Deduct	-135.58	
			For >2,000 To 5,000, Deduct	-221.45	
			For >5,000, Deduct	-367.57	
33 01 30 72-0184	LF		27mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,945.33	
			For Vinylester Resin, Add	1,291.17	
			For Epoxy Resin, Add	152.17	
			For Up To >10, Add	1,224.67	
			For >10 To 25, Add	713.13	
			For >25 To 50, Add	520.11	
			For >50 To 100, Add	260.05	
			For >500 To 1,000, Deduct	-99.79	
			For >1,000 To 2,000, Deduct	-150.94	
			For >2,000 To 5,000, Deduct	-246.54	
			For >5,000, Deduct	-409.23	
33 01 30 72-0185	LF		27mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,148.95	
			For Vinylester Resin, Add	1,422.62	
			For Epoxy Resin, Add	167.67	
			For Up To >10, Add	1,366.05	
			For >10 To 25, Add	799.66	
			For >25 To 50, Add	581.41	
			For >50 To 100, Add	290.70	
			For >500 To 1,000, Deduct	-110.36	
			For >1,000 To 2,000, Deduct	-167.00	
			For >2,000 To 5,000, Deduct	-273.04	
			For >5,000, Deduct	-453.12	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 01 30 72-0186	LF	27mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,347.49
		For Vinylster Resin, Add	1,554.07
		For Epoxy Resin, Add	183.16
		For Up To >10, Add	1,492.22
		For >10 To 25, Add	873.50
		For >25 To 50, Add	635.11
		For >50 To 100, Add	317.55
		For >500 To 1,000, Deduct	-120.56
		For >1,000 To 2,000, Deduct	-182.43
		For >2,000 To 5,000, Deduct	-298.26
		For >5,000, Deduct	-494.98
33 01 30 72-0187	LF	27mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,546.04
		For Vinylster Resin, Add	1,685.52
		For Epoxy Resin, Add	198.65
		For Up To >10, Add	1,618.42
		For >10 To 25, Add	947.37
		For >25 To 50, Add	688.82
		For >50 To 100, Add	344.41
		For >500 To 1,000, Deduct	-130.76
		For >1,000 To 2,000, Deduct	-197.86
		For >2,000 To 5,000, Deduct	-323.49
		For >5,000, Deduct	-536.84
33 01 30 72-0188	LF	27mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,744.59
		For Vinylster Resin, Add	1,816.96
		For Epoxy Resin, Add	214.14
		For Up To >10, Add	1,744.62
		For >10 To 25, Add	1,021.24
		For >25 To 50, Add	742.53
		For >50 To 100, Add	371.26
		For >500 To 1,000, Deduct	-140.95
		For >1,000 To 2,000, Deduct	-213.29
		For >2,000 To 5,000, Deduct	-348.71
		For >5,000, Deduct	-578.70

33 01 30 72-0189 28.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)

33 01 30 72-0190	LF	28.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	796.47
		For Vinylster Resin, Add	529.05
		For Epoxy Resin, Add	62.35
		For Up To >10, Add	499.96
		For >10 To 25, Add	290.67
		For >25 To 50, Add	212.19
		For >50 To 100, Add	106.10
		For >500 To 1,000, Deduct	-40.84
		For >1,000 To 2,000, Deduct	-61.77
		For >2,000 To 5,000, Deduct	-100.87
		For >5,000, Deduct	-167.43
33 01 30 72-0191	LF	28.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	901.03
		For Vinylster Resin, Add	598.42
		For Epoxy Resin, Add	70.53
		For Up To >10, Add	565.87
		For >10 To 25, Add	329.07
		For >25 To 50, Add	240.19
		For >50 To 100, Add	120.09
		For >500 To 1,000, Deduct	-46.21
		For >1,000 To 2,000, Deduct	-69.88
		For >2,000 To 5,000, Deduct	-114.12
		For >5,000, Deduct	-189.43
33 01 30 72-0192	LF	28.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,005.45
		For Vinylster Resin, Add	667.79
		For Epoxy Resin, Add	78.70
		For Up To >10, Add	631.38
		For >10 To 25, Add	367.15
		For >25 To 50, Add	267.99
		For >50 To 100, Add	133.99
		For >500 To 1,000, Deduct	-51.56
		For >1,000 To 2,000, Deduct	-77.98
		For >2,000 To 5,000, Deduct	-127.34
		For >5,000, Deduct	-211.38
33 01 30 72-0193	LF	28.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,272.89
		For Vinylster Resin, Add	847.55
		For Epoxy Resin, Add	99.89
		For Up To >10, Add	791.70
		For >10 To 25, Add	457.95
		For >25 To 50, Add	335.31
		For >50 To 100, Add	167.65
		For >500 To 1,000, Deduct	-65.20
		For >1,000 To 2,000, Deduct	-98.57
		For >2,000 To 5,000, Deduct	-160.82
		For >5,000, Deduct	-267.00
33 01 30 72-0194	LF	28.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,423.30
		For Vinylster Resin, Add	945.29
		For Epoxy Resin, Add	111.41
		For Up To >10, Add	893.85
		For >10 To 25, Add	519.81
		For >25 To 50, Add	379.40
		For >50 To 100, Add	189.70
		For >500 To 1,000, Deduct	-72.99
		For >1,000 To 2,000, Deduct	-110.39
		For >2,000 To 5,000, Deduct	-180.27
		For >5,000, Deduct	-299.24

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0195	LF		28.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,632.15	
			For Vinlyester Resin, Add	1,084.05	
			For Epoxy Resin, Add	127.76	
			For Up To >10, Add	1,024.85	
			For >10 To 25, Add	595.94	
			For >25 To 50, Add	434.99	
			For >50 To 100, Add	217.50	
			For >500 To 1,000, Deduct	-83.70	
			For >1,000 To 2,000, Deduct	-126.59	
			For >2,000 To 5,000, Deduct	-206.71	
			For >5,000, Deduct	-343.13	
33 01 30 72-0196	LF		28.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,841.00	
			For Vinlyester Resin, Add	1,222.80	
			For Epoxy Resin, Add	144.12	
			For Up To >10, Add	1,155.88	
			For >10 To 25, Add	672.09	
			For >25 To 50, Add	490.60	
			For >50 To 100, Add	245.30	
			For >500 To 1,000, Deduct	-94.40	
			For >1,000 To 2,000, Deduct	-142.78	
			For >2,000 To 5,000, Deduct	-233.16	
			For >5,000, Deduct	-387.03	
33 01 30 72-0197	LF		28.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,049.85	
			For Vinlyester Resin, Add	1,361.54	
			For Epoxy Resin, Add	160.47	
			For Up To >10, Add	1,286.90	
			For >10 To 25, Add	748.24	
			For >25 To 50, Add	546.20	
			For >50 To 100, Add	273.10	
			For >500 To 1,000, Deduct	-105.11	
			For >1,000 To 2,000, Deduct	-158.98	
			For >2,000 To 5,000, Deduct	-259.60	
			For >5,000, Deduct	-430.93	
33 01 30 72-0198	LF		28.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,264.55	
			For Vinlyester Resin, Add	1,500.29	
			For Epoxy Resin, Add	176.82	
			For Up To >10, Add	1,435.48	
			For >10 To 25, Add	839.02	
			For >25 To 50, Add	610.57	
			For >50 To 100, Add	305.29	
			For >500 To 1,000, Deduct	-116.26	
			For >1,000 To 2,000, Deduct	-175.91	
			For >2,000 To 5,000, Deduct	-287.51	
			For >5,000, Deduct	-477.17	
33 01 30 72-0199	LF		28.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,473.92	
			For Vinlyester Resin, Add	1,639.04	
			For Epoxy Resin, Add	193.17	
			For Up To >10, Add	1,568.06	
			For >10 To 25, Add	916.47	
			For >25 To 50, Add	666.96	
			For >50 To 100, Add	333.48	
			For >500 To 1,000, Deduct	-127.01	
			For >1,000 To 2,000, Deduct	-192.17	
			For >2,000 To 5,000, Deduct	-314.09	
			For >5,000, Deduct	-521.27	
33 01 30 72-0200	LF		28.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,683.45	
			For Vinlyester Resin, Add	1,777.79	
			For Epoxy Resin, Add	209.53	
			For Up To >10, Add	1,701.10	
			For >10 To 25, Add	994.30	
			For >25 To 50, Add	723.57	
			For >50 To 100, Add	361.78	
			For >500 To 1,000, Deduct	-137.77	
			For >1,000 To 2,000, Deduct	-208.45	
			For >2,000 To 5,000, Deduct	-340.70	
			For >5,000, Deduct	-565.44	
33 01 30 72-0201	LF		28.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,892.83	
			For Vinlyester Resin, Add	1,916.54	
			For Epoxy Resin, Add	225.88	
			For Up To >10, Add	1,833.72	
			For >10 To 25, Add	1,071.78	
			For >25 To 50, Add	779.96	
			For >50 To 100, Add	389.98	
			For >500 To 1,000, Deduct	-148.51	
			For >1,000 To 2,000, Deduct	-224.71	
			For >2,000 To 5,000, Deduct	-367.28	
			For >5,000, Deduct	-609.55	
33 01 30 72-0202			30mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)		
33 01 30 72-0203	LF		30mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	835.66	
			For Vinlyester Resin, Add	555.46	
			For Epoxy Resin, Add	65.46	
			For Up To >10, Add	523.21	
			For >10 To 25, Add	303.75	
			For >25 To 50, Add	221.93	
			For >50 To 100, Add	110.96	
			For >500 To 1,000, Deduct	-42.84	
			For >1,000 To 2,000, Deduct	-64.78	
			For >2,000 To 5,000, Deduct	-105.76	
			For >5,000, Deduct	-175.56	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
33 01 30 72-0204	LF 30mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	945.57		
	For Vinylester Resin, Add	628.48		
	For Epoxy Resin, Add	74.07		
	For Up To >10, Add	592.14		
	For >10 To 25, Add	343.81		
	For >25 To 50, Add	251.18		
	For >50 To 100, Add	125.59		
	For >500 To 1,000, Deduct	-48.47		
	For >1,000 To 2,000, Deduct	-73.30		
	For >2,000 To 5,000, Deduct	-119.67		
	For >5,000, Deduct	-198.66		
33 01 30 72-0205	LF 30mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,055.47		
	For Vinylester Resin, Add	701.51		
	For Epoxy Resin, Add	82.68		
	For Up To >10, Add	661.04		
	For >10 To 25, Add	383.84		
	For >25 To 50, Add	280.41		
	For >50 To 100, Add	140.21		
	For >500 To 1,000, Deduct	-54.11		
	For >1,000 To 2,000, Deduct	-81.83		
	For >2,000 To 5,000, Deduct	-133.59		
	For >5,000, Deduct	-221.76		
33 01 30 72-0206	LF 30mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,275.15		
	For Vinylester Resin, Add	847.55		
	For Epoxy Resin, Add	99.89		
	For Up To >10, Add	798.48		
	For >10 To 25, Add	463.60		
	For >25 To 50, Add	338.70		
	For >50 To 100, Add	169.35		
	For >500 To 1,000, Deduct	-65.37		
	For >1,000 To 2,000, Deduct	-98.85		
	For >2,000 To 5,000, Deduct	-161.38		
	For >5,000, Deduct	-267.90		
33 01 30 72-0207	LF 30mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,494.97		
	For Vinylester Resin, Add	993.61		
	For Epoxy Resin, Add	117.10		
	For Up To >10, Add	936.31		
	For >10 To 25, Add	543.69		
	For >25 To 50, Add	397.18		
	For >50 To 100, Add	198.59		
	For >500 To 1,000, Deduct	-76.64		
	For >1,000 To 2,000, Deduct	-115.90		
	For >2,000 To 5,000, Deduct	-189.22		
	For >5,000, Deduct	-314.10		
33 01 30 72-0208	LF 30mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,714.64		
	For Vinylester Resin, Add	1,139.66		
	For Epoxy Resin, Add	134.32		
	For Up To >10, Add	1,073.72		
	For >10 To 25, Add	623.42		
	For >25 To 50, Add	455.46		
	For >50 To 100, Add	227.73		
	For >500 To 1,000, Deduct	-87.90		
	For >1,000 To 2,000, Deduct	-132.93		
	For >2,000 To 5,000, Deduct	-217.01		
	For >5,000, Deduct	-360.24		
33 01 30 72-0209	LF 30mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,934.47		
	For Vinylester Resin, Add	1,285.71		
	For Epoxy Resin, Add	151.53		
	For Up To >10, Add	1,211.59		
	For >10 To 25, Add	703.53		
	For >25 To 50, Add	513.96		
	For >50 To 100, Add	256.98		
	For >500 To 1,000, Deduct	-99.17		
	For >1,000 To 2,000, Deduct	-149.97		
	For >2,000 To 5,000, Deduct	-244.84		
	For >5,000, Deduct	-406.44		
33 01 30 72-0210	LF 30mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,154.15		
	For Vinylester Resin, Add	1,431.77		
	For Epoxy Resin, Add	168.74		
	For Up To >10, Add	1,349.00		
	For >10 To 25, Add	783.27		
	For >25 To 50, Add	572.23		
	For >50 To 100, Add	286.12		
	For >500 To 1,000, Deduct	-110.43		
	For >1,000 To 2,000, Deduct	-167.00		
	For >2,000 To 5,000, Deduct	-272.64		
	For >5,000, Deduct	-452.58		
33 01 30 72-0211	LF 30mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,379.95		
	For Vinylester Resin, Add	1,577.81		
	For Epoxy Resin, Add	185.96		
	For Up To >10, Add	1,504.80		
	For >10 To 25, Add	878.33		
	For >25 To 50, Add	639.70		
	For >50 To 100, Add	319.85		
	For >500 To 1,000, Deduct	-122.15		
	For >1,000 To 2,000, Deduct	-184.79		
	For >2,000 To 5,000, Deduct	-301.96		
	For >5,000, Deduct	-501.18		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0212	LF		30mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,600.17	
			For Vinylster Resin, Add	1,723.87	
			For Epoxy Resin, Add	203.17	
			For Up To >10, Add	1,643.84	
			For >10 To 25, Add	959.42	
			For >25 To 50, Add	698.78	
			For >50 To 100, Add	349.39	
			For >500 To 1,000, Deduct	-133.45	
			For >1,000 To 2,000, Deduct	-201.89	
			For >2,000 To 5,000, Deduct	-329.90	
			For >5,000, Deduct	-547.53	
33 01 30 72-0213	LF		30mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,820.52	
			For Vinylster Resin, Add	1,869.92	
			For Epoxy Resin, Add	220.38	
			For Up To >10, Add	1,783.29	
			For >10 To 25, Add	1,040.85	
			For >25 To 50, Add	758.08	
			For >50 To 100, Add	379.04	
			For >500 To 1,000, Deduct	-144.76	
			For >1,000 To 2,000, Deduct	-219.00	
			For >2,000 To 5,000, Deduct	-357.86	
			For >5,000, Deduct	-593.95	
33 01 30 72-0214	LF		30mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,040.85	
			For Vinylster Resin, Add	2,015.97	
			For Epoxy Resin, Add	237.60	
			For Up To >10, Add	1,922.68	
			For >10 To 25, Add	1,122.24	
			For >25 To 50, Add	817.34	
			For >50 To 100, Add	408.67	
			For >500 To 1,000, Deduct	-156.07	
			For >1,000 To 2,000, Deduct	-236.11	
			For >2,000 To 5,000, Deduct	-385.82	
			For >5,000, Deduct	-640.35	
33 01 30 72-0215	LF		30mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,261.08	
			For Vinylster Resin, Add	2,162.02	
			For Epoxy Resin, Add	254.81	
			For Up To >10, Add	2,061.74	
			For >10 To 25, Add	1,203.35	
			For >25 To 50, Add	876.44	
			For >50 To 100, Add	438.22	
			For >500 To 1,000, Deduct	-167.37	
			For >1,000 To 2,000, Deduct	-253.21	
			For >2,000 To 5,000, Deduct	-413.75	
			For >5,000, Deduct	-686.71	
33 01 30 72-0216	LF		30mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,481.41	
			For Vinylster Resin, Add	2,308.07	
			For Epoxy Resin, Add	272.02	
			For Up To >10, Add	2,201.13	
			For >10 To 25, Add	1,284.74	
			For >25 To 50, Add	935.70	
			For >50 To 100, Add	467.85	
			For >500 To 1,000, Deduct	-178.67	
			For >1,000 To 2,000, Deduct	-270.31	
			For >2,000 To 5,000, Deduct	-441.71	
			For >5,000, Deduct	-733.12	
33 01 30 72-0217			31.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)		
33 01 30 72-0218	LF		31.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	874.64	
			For Vinylster Resin, Add	581.72	
			For Epoxy Resin, Add	68.56	
			For Up To >10, Add	546.35	
			For >10 To 25, Add	316.78	
			For >25 To 50, Add	231.62	
			For >50 To 100, Add	115.81	
			For >500 To 1,000, Deduct	-44.82	
			For >1,000 To 2,000, Deduct	-67.78	
			For >2,000 To 5,000, Deduct	-110.63	
			For >5,000, Deduct	-183.65	
33 01 30 72-0219	LF		31.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	989.90	
			For Vinylster Resin, Add	658.40	
			For Epoxy Resin, Add	77.60	
			For Up To >10, Add	618.28	
			For >10 To 25, Add	358.47	
			For >25 To 50, Add	262.11	
			For >50 To 100, Add	131.05	
			For >500 To 1,000, Deduct	-50.73	
			For >1,000 To 2,000, Deduct	-76.71	
			For >2,000 To 5,000, Deduct	-125.20	
			For >5,000, Deduct	-207.85	
33 01 30 72-0220	LF		31.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,105.15	
			For Vinylster Resin, Add	735.07	
			For Epoxy Resin, Add	86.63	
			For Up To >10, Add	690.20	
			For >10 To 25, Add	400.15	
			For >25 To 50, Add	292.60	
			For >50 To 100, Add	146.30	
			For >500 To 1,000, Deduct	-56.63	
			For >1,000 To 2,000, Deduct	-85.64	
			For >2,000 To 5,000, Deduct	-139.77	
			For >5,000, Deduct	-232.04	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 01 30 72-0221	LF 31.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,335.80	
	For Vinylster Resin, Add	888.43	
	For Epoxy Resin, Add	104.71	
	For Up To >10, Add	834.45	
	For >10 To 25, Add	483.85	
	For >25 To 50, Add	353.77	
	For >50 To 100, Add	176.88	
	For >500 To 1,000, Deduct	-68.46	
	For >1,000 To 2,000, Deduct	-103.52	
	For >2,000 To 5,000, Deduct	-168.96	
	For >5,000, Deduct	-280.48	
33 01 30 72-0222	LF 31.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,566.32	
	For Vinylster Resin, Add	1,041.78	
	For Epoxy Resin, Add	122.78	
	For Up To >10, Add	978.31	
	For >10 To 25, Add	567.22	
	For >25 To 50, Add	414.74	
	For >50 To 100, Add	207.37	
	For >500 To 1,000, Deduct	-80.27	
	For >1,000 To 2,000, Deduct	-121.38	
	For >2,000 To 5,000, Deduct	-198.11	
	For >5,000, Deduct	-328.88	
33 01 30 72-0223	LF 31.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,796.97	
	For Vinylster Resin, Add	1,195.14	
	For Epoxy Resin, Add	140.86	
	For Up To >10, Add	1,122.56	
	For >10 To 25, Add	650.91	
	For >25 To 50, Add	475.91	
	For >50 To 100, Add	237.96	
	For >500 To 1,000, Deduct	-92.09	
	For >1,000 To 2,000, Deduct	-139.25	
	For >2,000 To 5,000, Deduct	-227.29	
	For >5,000, Deduct	-377.32	
33 01 30 72-0224	LF 31.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,027.47	
	For Vinylster Resin, Add	1,348.49	
	For Epoxy Resin, Add	158.93	
	For Up To >10, Add	1,266.39	
	For >10 To 25, Add	734.25	
	For >25 To 50, Add	536.87	
	For >50 To 100, Add	268.44	
	For >500 To 1,000, Deduct	-103.90	
	For >1,000 To 2,000, Deduct	-157.11	
	For >2,000 To 5,000, Deduct	-256.43	
	For >5,000, Deduct	-425.71	
33 01 30 72-0225	LF 31.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,257.99	
	For Vinylster Resin, Add	1,501.84	
	For Epoxy Resin, Add	177.00	
	For Up To >10, Add	1,410.25	
	For >10 To 25, Add	817.62	
	For >25 To 50, Add	597.85	
	For >50 To 100, Add	298.92	
	For >500 To 1,000, Deduct	-115.71	
	For >1,000 To 2,000, Deduct	-174.97	
	For >2,000 To 5,000, Deduct	-285.58	
	For >5,000, Deduct	-474.10	
33 01 30 72-0226	LF 31.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,494.89	
	For Vinylster Resin, Add	1,655.20	
	For Epoxy Resin, Add	195.08	
	For Up To >10, Add	1,573.25	
	For >10 To 25, Add	916.94	
	For >25 To 50, Add	668.39	
	For >50 To 100, Add	334.20	
	For >500 To 1,000, Deduct	-128.00	
	For >1,000 To 2,000, Deduct	-193.63	
	For >2,000 To 5,000, Deduct	-316.33	
	For >5,000, Deduct	-525.04	
33 01 30 72-0227	LF 31.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,743.84	
	For Vinylster Resin, Add	1,820.90	
	For Epoxy Resin, Add	214.61	
	For Up To >10, Add	1,728.30	
	For >10 To 25, Add	1,006.70	
	For >25 To 50, Add	734.08	
	For >50 To 100, Add	367.04	
	For >500 To 1,000, Deduct	-140.76	
	For >1,000 To 2,000, Deduct	-212.92	
	For >2,000 To 5,000, Deduct	-347.79	
	For >5,000, Deduct	-577.28	
33 01 30 72-0228	LF 31.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,957.11	
	For Vinylster Resin, Add	1,961.90	
	For Epoxy Resin, Add	231.22	
	For Up To >10, Add	1,864.53	
	For >10 To 25, Add	1,086.66	
	For >25 To 50, Add	792.13	
	For >50 To 100, Add	396.06	
	For >500 To 1,000, Deduct	-151.72	
	For >1,000 To 2,000, Deduct	-229.50	
	For >2,000 To 5,000, Deduct	-374.92	
	For >5,000, Deduct	-622.30	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0229 LF 31.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,188.29	
For Vinlyester Resin, Add	2,115.26	
For Epoxy Resin, Add	249.30	
For Up To >10, Add	2,010.37	
For >10 To 25, Add	1,171.68	
For >25 To 50, Add	854.10	
For >50 To 100, Add	427.05	
For >500 To 1,000, Deduct	-163.58	
For >1,000 To 2,000, Deduct	-247.45	
For >2,000 To 5,000, Deduct	-404.24	
For >5,000, Deduct	-670.96	
33 01 30 72-0230 LF 31.5mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,419.33	
For Vinlyester Resin, Add	2,268.61	
For Epoxy Resin, Add	267.37	
For Up To >10, Add	2,155.82	
For >10 To 25, Add	1,256.37	
For >25 To 50, Add	915.86	
For >50 To 100, Add	457.93	
For >500 To 1,000, Deduct	-175.43	
For >1,000 To 2,000, Deduct	-265.37	
For >2,000 To 5,000, Deduct	-433.52	
For >5,000, Deduct	-719.56	
33 01 30 72-0231 LF 31.5mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,650.51	
For Vinlyester Resin, Add	2,421.97	
For Epoxy Resin, Add	285.45	
For Up To >10, Add	2,301.66	
For >10 To 25, Add	1,341.39	
For >25 To 50, Add	977.83	
For >50 To 100, Add	488.92	
For >500 To 1,000, Deduct	-187.29	
For >1,000 To 2,000, Deduct	-283.32	
For >2,000 To 5,000, Deduct	-462.83	
For >5,000, Deduct	-768.21	
33 01 30 72-0232 33mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)		
33 01 30 72-0233 LF 33mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	913.29	
For Vinlyester Resin, Add	607.84	
For Epoxy Resin, Add	71.64	
For Up To >10, Add	569.02	
For >10 To 25, Add	329.46	
For >25 To 50, Add	241.09	
For >50 To 100, Add	120.55	
For >500 To 1,000, Deduct	-46.79	
For >1,000 To 2,000, Deduct	-70.74	
For >2,000 To 5,000, Deduct	-115.44	
For >5,000, Deduct	-191.65	
33 01 30 72-0234 LF 33mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,034.02	
For Vinlyester Resin, Add	688.16	
For Epoxy Resin, Add	81.10	
For Up To >10, Add	644.34	
For >10 To 25, Add	373.10	
For >25 To 50, Add	273.01	
For >50 To 100, Add	136.51	
For >500 To 1,000, Deduct	-52.97	
For >1,000 To 2,000, Deduct	-80.10	
For >2,000 To 5,000, Deduct	-130.70	
For >5,000, Deduct	-216.99	
33 01 30 72-0235 LF 33mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,154.64	
For Vinlyester Resin, Add	768.50	
For Epoxy Resin, Add	90.57	
For Up To >10, Add	719.30	
For >10 To 25, Add	416.44	
For >25 To 50, Add	304.76	
For >50 To 100, Add	152.38	
For >500 To 1,000, Deduct	-59.15	
For >1,000 To 2,000, Deduct	-89.44	
For >2,000 To 5,000, Deduct	-145.94	
For >5,000, Deduct	-242.29	
33 01 30 72-0236 LF 33mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,396.11	
For Vinlyester Resin, Add	929.15	
For Epoxy Resin, Add	109.51	
For Up To >10, Add	869.93	
For >10 To 25, Add	503.72	
For >25 To 50, Add	368.60	
For >50 To 100, Add	184.30	
For >500 To 1,000, Deduct	-71.52	
For >1,000 To 2,000, Deduct	-108.15	
For >2,000 To 5,000, Deduct	-176.47	
For >5,000, Deduct	-292.97	
33 01 30 72-0237 LF 33mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,637.45	
For Vinlyester Resin, Add	1,089.81	
For Epoxy Resin, Add	128.44	
For Up To >10, Add	1,020.18	
For >10 To 25, Add	590.67	
For >25 To 50, Add	432.24	
For >50 To 100, Add	216.12	
For >500 To 1,000, Deduct	-83.89	
For >1,000 To 2,000, Deduct	-126.84	
For >2,000 To 5,000, Deduct	-206.97	
For >5,000, Deduct	-343.61	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 01 30 72-0238	LF 33mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,878.94	
	For Vinlyester Resin, Add	1,250.47	
	For Epoxy Resin, Add	147.38	
	For Up To >10, Add	1,170.87	
	For >10 To 25, Add	678.00	
	For >25 To 50, Add	496.12	
	For >50 To 100, Add	248.06	
	For >500 To 1,000, Deduct	-96.26	
	For >1,000 To 2,000, Deduct	-145.55	
	For >2,000 To 5,000, Deduct	-237.51	
	For >5,000, Deduct	-394.30	
33 01 30 72-0239	LF 33mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,120.28	
	For Vinlyester Resin, Add	1,411.12	
	For Epoxy Resin, Add	166.31	
	For Up To >10, Add	1,321.12	
	For >10 To 25, Add	764.95	
	For >25 To 50, Add	559.76	
	For >50 To 100, Add	279.88	
	For >500 To 1,000, Deduct	-108.62	
	For >1,000 To 2,000, Deduct	-164.24	
	For >2,000 To 5,000, Deduct	-268.00	
	For >5,000, Deduct	-444.93	
33 01 30 72-0240	LF 33mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,361.63	
	For Vinlyester Resin, Add	1,571.78	
	For Epoxy Resin, Add	185.25	
	For Up To >10, Add	1,471.39	
	For >10 To 25, Add	851.93	
	For >25 To 50, Add	623.43	
	For >50 To 100, Add	311.71	
	For >500 To 1,000, Deduct	-120.99	
	For >1,000 To 2,000, Deduct	-182.93	
	For >2,000 To 5,000, Deduct	-298.51	
	For >5,000, Deduct	-495.57	
33 01 30 72-0241	LF 33mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,609.47	
	For Vinlyester Resin, Add	1,732.43	
	For Epoxy Resin, Add	204.18	
	For Up To >10, Add	1,641.16	
	For >10 To 25, Add	955.15	
	For >25 To 50, Add	696.84	
	For >50 To 100, Add	348.42	
	For >500 To 1,000, Deduct	-133.84	
	For >1,000 To 2,000, Deduct	-202.44	
	For >2,000 To 5,000, Deduct	-330.63	
	For >5,000, Deduct	-548.81	
33 01 30 72-0242	LF 33mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,851.89	
	For Vinlyester Resin, Add	1,893.09	
	For Epoxy Resin, Add	223.11	
	For Up To >10, Add	1,794.62	
	For >10 To 25, Add	1,044.78	
	For >25 To 50, Add	762.09	
	For >50 To 100, Add	381.04	
	For >500 To 1,000, Deduct	-146.28	
	For >1,000 To 2,000, Deduct	-221.27	
	For >2,000 To 5,000, Deduct	-361.40	
	For >5,000, Deduct	-599.87	
33 01 30 72-0243	LF 33mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,093.36	
	For Vinlyester Resin, Add	2,053.74	
	For Epoxy Resin, Add	242.05	
	For Up To >10, Add	1,945.28	
	For >10 To 25, Add	1,132.08	
	For >25 To 50, Add	825.94	
	For >50 To 100, Add	412.97	
	For >500 To 1,000, Deduct	-158.65	
	For >1,000 To 2,000, Deduct	-239.97	
	For >2,000 To 5,000, Deduct	-391.93	
	For >5,000, Deduct	-650.56	
33 01 30 72-0244	LF 33mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,335.37	
	For Vinlyester Resin, Add	2,214.40	
	For Epoxy Resin, Add	260.98	
	For Up To >10, Add	2,097.54	
	For >10 To 25, Add	1,220.71	
	For >25 To 50, Add	890.60	
	For >50 To 100, Add	445.30	
	For >500 To 1,000, Deduct	-171.07	
	For >1,000 To 2,000, Deduct	-258.75	
	For >2,000 To 5,000, Deduct	-422.60	
	For >5,000, Deduct	-701.46	
33 01 30 72-0245	LF 33mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,577.38	
	For Vinlyester Resin, Add	2,375.06	
	For Epoxy Resin, Add	279.92	
	For Up To >10, Add	2,249.79	
	For >10 To 25, Add	1,309.34	
	For >25 To 50, Add	955.25	
	For >50 To 100, Add	477.62	
	For >500 To 1,000, Deduct	-183.48	
	For >1,000 To 2,000, Deduct	-277.53	
	For >2,000 To 5,000, Deduct	-453.26	
	For >5,000, Deduct	-752.36	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
33 01 30 72-0246	LF		33mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,819.39	
			For Vinylester Resin, Add	2,535.72	
			For Epoxy Resin, Add	298.85	
			For Up To >10, Add	2,402.05	
			For >10 To 25, Add	1,397.96	
			For >25 To 50, Add	1,019.90	
			For >50 To 100, Add	509.95	
			For >500 To 1,000, Deduct	-195.89	
			For >1,000 To 2,000, Deduct	-296.30	
			For >2,000 To 5,000, Deduct	-483.93	
			For >5,000, Deduct	-803.27	
33 01 30 72-0247			34.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)		
33 01 30 72-0248	LF		34.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,077.55	
			For Vinylester Resin, Add	717.79	
			For Epoxy Resin, Add	84.60	
			For Up To >10, Add	669.10	
			For >10 To 25, Add	386.68	
			For >25 To 50, Add	283.28	
			For >50 To 100, Add	141.64	
			For >500 To 1,000, Deduct	-55.18	
			For >1,000 To 2,000, Deduct	-83.42	
			For >2,000 To 5,000, Deduct	-136.08	
			For >5,000, Deduct	-225.94	
33 01 30 72-0249	LF		34.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,203.63	
			For Vinylester Resin, Add	801.77	
			For Epoxy Resin, Add	94.49	
			For Up To >10, Add	747.42	
			For >10 To 25, Add	431.95	
			For >25 To 50, Add	316.44	
			For >50 To 100, Add	158.22	
			For >500 To 1,000, Deduct	-61.64	
			For >1,000 To 2,000, Deduct	-93.18	
			For >2,000 To 5,000, Deduct	-152.01	
			For >5,000, Deduct	-252.37	
33 01 30 72-0250	LF		34.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,455.81	
			For Vinylester Resin, Add	969.73	
			For Epoxy Resin, Add	114.29	
			For Up To >10, Add	904.11	
			For >10 To 25, Add	522.53	
			For >25 To 50, Add	382.79	
			For >50 To 100, Add	191.39	
			For >500 To 1,000, Deduct	-74.55	
			For >1,000 To 2,000, Deduct	-112.71	
			For >2,000 To 5,000, Deduct	-183.86	
			For >5,000, Deduct	-305.26	
33 01 30 72-0251	LF		34.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,707.85	
			For Vinylester Resin, Add	1,137.69	
			For Epoxy Resin, Add	134.08	
			For Up To >10, Add	1,060.38	
			For >10 To 25, Add	612.77	
			For >25 To 50, Add	448.92	
			For >50 To 100, Add	224.46	
			For >500 To 1,000, Deduct	-87.46	
			For >1,000 To 2,000, Deduct	-132.22	
			For >2,000 To 5,000, Deduct	-215.68	
			For >5,000, Deduct	-358.09	
33 01 30 72-0252	LF		34.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,960.02	
			For Vinylester Resin, Add	1,305.65	
			For Epoxy Resin, Add	153.88	
			For Up To >10, Add	1,217.04	
			For >10 To 25, Add	703.33	
			For >25 To 50, Add	515.26	
			For >50 To 100, Add	257.63	
			For >500 To 1,000, Deduct	-100.37	
			For >1,000 To 2,000, Deduct	-151.74	
			For >2,000 To 5,000, Deduct	-247.53	
			For >5,000, Deduct	-410.97	
33 01 30 72-0253	LF		34.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,212.08	
			For Vinylester Resin, Add	1,473.61	
			For Epoxy Resin, Add	173.68	
			For Up To >10, Add	1,373.34	
			For >10 To 25, Add	793.59	
			For >25 To 50, Add	581.41	
			For >50 To 100, Add	290.71	
			For >500 To 1,000, Deduct	-113.28	
			For >1,000 To 2,000, Deduct	-171.25	
			For >2,000 To 5,000, Deduct	-279.35	
			For >5,000, Deduct	-463.80	
33 01 30 72-0254	LF		34.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,464.25	
			For Vinylester Resin, Add	1,641.57	
			For Epoxy Resin, Add	193.47	
			For Up To >10, Add	1,530.00	
			For >10 To 25, Add	884.15	
			For >25 To 50, Add	647.75	
			For >50 To 100, Add	323.87	
			For >500 To 1,000, Deduct	-126.19	
			For >1,000 To 2,000, Deduct	-190.78	
			For >2,000 To 5,000, Deduct	-311.20	
			For >5,000, Deduct	-516.68	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 01 30 72-0255	LF 34.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,722.94
	For Vinylester Resin, Add	1,809.53
	For Epoxy Resin, Add	213.27
	For Up To >10, Add	1,706.22
	For >10 To 25, Add	991.01
	For >25 To 50, Add	723.86
	For >50 To 100, Add	361.93
	For >500 To 1,000, Deduct	-139.59
	For >1,000 To 2,000, Deduct	-211.12
	For >2,000 To 5,000, Deduct	-344.68
	For >5,000, Deduct	-572.17
33 01 30 72-0256	LF 34.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,975.91
	For Vinylester Resin, Add	1,977.49
	For Epoxy Resin, Add	233.06
	For Up To >10, Add	1,865.28
	For >10 To 25, Add	1,083.57
	For >25 To 50, Add	791.39
	For >50 To 100, Add	395.70
	For >500 To 1,000, Deduct	-152.57
	For >1,000 To 2,000, Deduct	-230.74
	For >2,000 To 5,000, Deduct	-376.73
	For >5,000, Deduct	-625.37
33 01 30 72-0257	LF 34.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,226.22
	For Vinylester Resin, Add	2,145.44
	For Epoxy Resin, Add	252.86
	For Up To >10, Add	2,016.36
	For >10 To 25, Add	1,169.48
	For >25 To 50, Add	854.93
	For >50 To 100, Add	427.47
	For >500 To 1,000, Deduct	-165.34
	For >1,000 To 2,000, Deduct	-250.03
	For >2,000 To 5,000, Deduct	-408.12
	For >5,000, Deduct	-677.50
33 01 30 72-0258	LF 34.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,481.19
	For Vinylester Resin, Add	2,313.40
	For Epoxy Resin, Add	272.65
	For Up To >10, Add	2,181.42
	For >10 To 25, Add	1,267.04
	For >25 To 50, Add	925.47
	For >50 To 100, Add	462.73
	For >500 To 1,000, Deduct	-178.47
	For >1,000 To 2,000, Deduct	-269.91
	For >2,000 To 5,000, Deduct	-440.67
	For >5,000, Deduct	-731.50
33 01 30 72-0259	LF 34.5mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,733.89
	For Vinylester Resin, Add	2,481.36
	For Epoxy Resin, Add	292.45
	For Up To >10, Add	2,339.67
	For >10 To 25, Add	1,358.93
	For >25 To 50, Add	992.60
	For >50 To 100, Add	496.30
	For >500 To 1,000, Deduct	-191.42
	For >1,000 To 2,000, Deduct	-289.50
	For >2,000 To 5,000, Deduct	-472.65
	For >5,000, Deduct	-784.60
33 01 30 72-0260	LF 34.5mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,986.61
	For Vinylester Resin, Add	2,649.33
	For Epoxy Resin, Add	312.24
	For Up To >10, Add	2,497.96
	For >10 To 25, Add	1,450.84
	For >25 To 50, Add	1,059.74
	For >50 To 100, Add	529.87
	For >500 To 1,000, Deduct	-204.38
	For >1,000 To 2,000, Deduct	-309.09
	For >2,000 To 5,000, Deduct	-504.64
	For >5,000, Deduct	-837.69

33 01 30 72-0261 36mm Thick Lining Cured In-Place Pipe
(33 01 30 72-0015)

33 01 30 72-0262	LF 36mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,120.86
	For Vinylester Resin, Add	747.28
	For Epoxy Resin, Add	88.07
	For Up To >10, Add	693.73
	For >10 To 25, Add	400.19
	For >25 To 50, Add	293.49
	For >50 To 100, Add	146.74
	For >500 To 1,000, Deduct	-57.38
	For >1,000 To 2,000, Deduct	-86.73
	For >2,000 To 5,000, Deduct	-141.43
	For >5,000, Deduct	-234.84
33 01 30 72-0263	LF 36mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,252.30
	For Vinylester Resin, Add	834.90
	For Epoxy Resin, Add	98.40
	For Up To >10, Add	775.10
	For >10 To 25, Add	447.13
	For >25 To 50, Add	327.91
	For >50 To 100, Add	163.96
	For >500 To 1,000, Deduct	-64.10
	For >1,000 To 2,000, Deduct	-96.90
	For >2,000 To 5,000, Deduct	-158.02
	For >5,000, Deduct	-262.38

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0264	LF		36mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,515.18	
			For Vinylester Resin, Add	1,010.17	
			For Epoxy Resin, Add	119.06	
			For Up To >10, Add	937.79	
			For >10 To 25, Add	540.98	
			For >25 To 50, Add	396.74	
			For >50 To 100, Add	198.37	
			For >500 To 1,000, Deduct	-77.56	
			For >1,000 To 2,000, Deduct	-117.24	
			For >2,000 To 5,000, Deduct	-191.19	
			For >5,000, Deduct	-317.45	
33 01 30 72-0265	LF		36mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,778.05	
			For Vinylester Resin, Add	1,185.44	
			For Epoxy Resin, Add	139.71	
			For Up To >10, Add	1,100.45	
			For >10 To 25, Add	634.80	
			For >25 To 50, Add	465.55	
			For >50 To 100, Add	232.78	
			For >500 To 1,000, Deduct	-91.02	
			For >1,000 To 2,000, Deduct	-137.58	
			For >2,000 To 5,000, Deduct	-224.36	
			For >5,000, Deduct	-372.52	
33 01 30 72-0266	LF		36mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,040.79	
			For Vinylester Resin, Add	1,360.70	
			For Epoxy Resin, Add	160.37	
			For Up To >10, Add	1,262.75	
			For >10 To 25, Add	728.31	
			For >25 To 50, Add	534.18	
			For >50 To 100, Add	267.09	
			For >500 To 1,000, Deduct	-104.46	
			For >1,000 To 2,000, Deduct	-157.91	
			For >2,000 To 5,000, Deduct	-257.50	
			For >5,000, Deduct	-427.55	
33 01 30 72-0267	LF		36mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,303.67	
			For Vinylester Resin, Add	1,535.95	
			For Epoxy Resin, Add	181.02	
			For Up To >10, Add	1,425.46	
			For >10 To 25, Add	822.18	
			For >25 To 50, Add	603.02	
			For >50 To 100, Add	301.51	
			For >500 To 1,000, Deduct	-117.92	
			For >1,000 To 2,000, Deduct	-178.25	
			For >2,000 To 5,000, Deduct	-290.67	
			For >5,000, Deduct	-482.62	
33 01 30 72-0268	LF		36mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,566.53	
			For Vinylester Resin, Add	1,711.21	
			For Epoxy Resin, Add	201.68	
			For Up To >10, Add	1,588.12	
			For >10 To 25, Add	916.00	
			For >25 To 50, Add	671.83	
			For >50 To 100, Add	335.91	
			For >500 To 1,000, Deduct	-131.38	
			For >1,000 To 2,000, Deduct	-198.59	
			For >2,000 To 5,000, Deduct	-323.84	
			For >5,000, Deduct	-537.69	
33 01 30 72-0269	LF		36mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,836.19	
			For Vinylester Resin, Add	1,886.48	
			For Epoxy Resin, Add	222.34	
			For Up To >10, Add	1,771.15	
			For >10 To 25, Add	1,026.79	
			For >25 To 50, Add	750.82	
			For >50 To 100, Add	375.41	
			For >500 To 1,000, Deduct	-145.34	
			For >1,000 To 2,000, Deduct	-219.78	
			For >2,000 To 5,000, Deduct	-358.70	
			For >5,000, Deduct	-595.48	
33 01 30 72-0270	LF		36mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,099.73	
			For Vinylester Resin, Add	2,061.74	
			For Epoxy Resin, Add	242.99	
			For Up To >10, Add	1,935.84	
			For >10 To 25, Add	1,122.31	
			For >25 To 50, Add	820.65	
			For >50 To 100, Add	410.33	
			For >500 To 1,000, Deduct	-158.85	
			For >1,000 To 2,000, Deduct	-240.20	
			For >2,000 To 5,000, Deduct	-392.04	
			For >5,000, Deduct	-650.82	
33 01 30 72-0271	LF		36mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,358.74	
			For Vinylester Resin, Add	2,237.00	
			For Epoxy Resin, Add	263.65	
			For Up To >10, Add	2,086.95	
			For >10 To 25, Add	1,206.50	
			For >25 To 50, Add	883.69	
			For >50 To 100, Add	441.84	
			For >500 To 1,000, Deduct	-172.01	
			For >1,000 To 2,000, Deduct	-260.06	
			For >2,000 To 5,000, Deduct	-424.24	
			For >5,000, Deduct	-704.35	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 01 30 72-0272	LF 36mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,626.67
	For Vinylster Resin, Add	2,412.26
	For Epoxy Resin, Add	284.30
	For Up To >10, Add	2,264.79
	For >10 To 25, Add	1,312.97
	For >25 To 50, Add	960.09
	For >50 To 100, Add	480.04
	For >500 To 1,000, Deduct	-185.85
	For >1,000 To 2,000, Deduct	-281.03
	For >2,000 To 5,000, Deduct	-458.68
	For >5,000, Deduct	-761.45
33 01 30 72-0273	LF 36mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,890.21
	For Vinylster Resin, Add	2,587.52
	For Epoxy Resin, Add	304.96
	For Up To >10, Add	2,429.48
	For >10 To 25, Add	1,408.49
	For >25 To 50, Add	1,029.92
	For >50 To 100, Add	514.96
	For >500 To 1,000, Deduct	-199.35
	For >1,000 To 2,000, Deduct	-301.45
	For >2,000 To 5,000, Deduct	-492.01
	For >5,000, Deduct	-816.79
33 01 30 72-0274	LF 36mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,153.76
	For Vinylster Resin, Add	2,762.79
	For Epoxy Resin, Add	325.61
	For Up To >10, Add	2,594.18
	For >10 To 25, Add	1,504.01
	For >25 To 50, Add	1,099.75
	For >50 To 100, Add	549.87
	For >500 To 1,000, Deduct	-212.86
	For >1,000 To 2,000, Deduct	-321.88
	For >2,000 To 5,000, Deduct	-525.35
	For >5,000, Deduct	-872.14
33 01 30 72-0275	LF 36mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,417.15
	For Vinylster Resin, Add	2,938.05
	For Epoxy Resin, Add	346.27
	For Up To >10, Add	2,758.43
	For >10 To 25, Add	1,599.15
	For >25 To 50, Add	1,169.35
	For >50 To 100, Add	584.68
	For >500 To 1,000, Deduct	-226.36
	For >1,000 To 2,000, Deduct	-342.28
	For >2,000 To 5,000, Deduct	-558.65
	For >5,000, Deduct	-927.42
33 01 30 72-0276	LF 36mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,680.69
	For Vinylster Resin, Add	3,113.31
	For Epoxy Resin, Add	366.93
	For Up To >10, Add	2,923.12
	For >10 To 25, Add	1,694.67
	For >25 To 50, Add	1,239.18
	For >50 To 100, Add	619.59
	For >500 To 1,000, Deduct	-239.86
	For >1,000 To 2,000, Deduct	-362.71
	For >2,000 To 5,000, Deduct	-591.99
	For >5,000, Deduct	-982.76

33 01 30 72-0277 37.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)

33 01 30 72-0278	LF 37.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,300.62
	For Vinylster Resin, Add	867.90
	For Epoxy Resin, Add	102.29
	For Up To >10, Add	802.24
	For >10 To 25, Add	461.89
	For >25 To 50, Add	339.13
	For >50 To 100, Add	169.56
	For >500 To 1,000, Deduct	-66.55
	For >1,000 To 2,000, Deduct	-100.59
	For >2,000 To 5,000, Deduct	-163.97
	For >5,000, Deduct	-272.28
33 01 30 72-0279	LF 37.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,574.20
	For Vinylster Resin, Add	1,050.46
	For Epoxy Resin, Add	123.80
	For Up To >10, Add	970.95
	For >10 To 25, Add	559.02
	For >25 To 50, Add	410.44
	For >50 To 100, Add	205.22
	For >500 To 1,000, Deduct	-80.55
	For >1,000 To 2,000, Deduct	-121.74
	For >2,000 To 5,000, Deduct	-198.46
	For >5,000, Deduct	-329.55
33 01 30 72-0280	LF 37.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,847.77
	For Vinylster Resin, Add	1,233.03
	For Epoxy Resin, Add	145.32
	For Up To >10, Add	1,139.64
	For >10 To 25, Add	656.12
	For >25 To 50, Add	481.74
	For >50 To 100, Add	240.87
	For >500 To 1,000, Deduct	-94.55
	For >1,000 To 2,000, Deduct	-142.90
	For >2,000 To 5,000, Deduct	-232.95
	For >5,000, Deduct	-386.81

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0281	LF		37.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,121.34	
			For Vinylester Resin, Add	1,415.59	
			For Epoxy Resin, Add	166.84	
			For Up To >10, Add	1,308.35	
			For >10 To 25, Add	753.24	
			For >25 To 50, Add	553.06	
			For >50 To 100, Add	276.53	
			For >500 To 1,000, Deduct	-108.54	
			For >1,000 To 2,000, Deduct	-164.05	
			For >2,000 To 5,000, Deduct	-267.44	
			For >5,000, Deduct	-444.08	
33 01 30 72-0282	LF		37.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,394.92	
			For Vinylester Resin, Add	1,598.16	
			For Epoxy Resin, Add	188.35	
			For Up To >10, Add	1,477.06	
			For >10 To 25, Add	850.37	
			For >25 To 50, Add	624.38	
			For >50 To 100, Add	312.19	
			For >500 To 1,000, Deduct	-122.54	
			For >1,000 To 2,000, Deduct	-185.21	
			For >2,000 To 5,000, Deduct	-301.93	
			For >5,000, Deduct	-501.35	
33 01 30 72-0283	LF		37.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,668.49	
			For Vinylester Resin, Add	1,780.72	
			For Epoxy Resin, Add	209.87	
			For Up To >10, Add	1,645.75	
			For >10 To 25, Add	947.47	
			For >25 To 50, Add	695.68	
			For >50 To 100, Add	347.84	
			For >500 To 1,000, Deduct	-136.54	
			For >1,000 To 2,000, Deduct	-206.37	
			For >2,000 To 5,000, Deduct	-336.42	
			For >5,000, Deduct	-558.62	
33 01 30 72-0284	LF		37.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,948.97	
			For Vinylester Resin, Add	1,963.28	
			For Epoxy Resin, Add	231.39	
			For Up To >10, Add	1,835.19	
			For >10 To 25, Add	1,061.87	
			For >25 To 50, Add	777.36	
			For >50 To 100, Add	388.68	
			For >500 To 1,000, Deduct	-151.06	
			For >1,000 To 2,000, Deduct	-228.39	
			For >2,000 To 5,000, Deduct	-372.63	
			For >5,000, Deduct	-618.65	
33 01 30 72-0285	LF		37.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,223.20	
			For Vinylester Resin, Add	2,145.84	
			For Epoxy Resin, Add	252.90	
			For Up To >10, Add	2,005.88	
			For >10 To 25, Add	1,160.65	
			For >25 To 50, Add	849.66	
			For >50 To 100, Add	424.83	
			For >500 To 1,000, Deduct	-165.10	
			For >1,000 To 2,000, Deduct	-249.63	
			For >2,000 To 5,000, Deduct	-407.29	
			For >5,000, Deduct	-676.18	
33 01 30 72-0286	LF		37.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,495.19	
			For Vinylester Resin, Add	2,328.41	
			For Epoxy Resin, Add	274.42	
			For Up To >10, Add	2,169.82	
			For >10 To 25, Add	1,253.80	
			For >25 To 50, Add	918.60	
			For >50 To 100, Add	459.30	
			For >500 To 1,000, Deduct	-178.98	
			For >1,000 To 2,000, Deduct	-270.58	
			For >2,000 To 5,000, Deduct	-441.38	
			For >5,000, Deduct	-732.82	
33 01 30 72-0287	LF		37.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,771.68	
			For Vinylester Resin, Add	2,510.98	
			For Epoxy Resin, Add	295.94	
			For Up To >10, Add	2,347.27	
			For >10 To 25, Add	1,358.20	
			For >25 To 50, Add	994.28	
			For >50 To 100, Add	497.14	
			For >500 To 1,000, Deduct	-193.20	
			For >1,000 To 2,000, Deduct	-292.10	
			For >2,000 To 5,000, Deduct	-476.60	
			For >5,000, Deduct	-791.25	
33 01 30 72-0288	LF		37.5mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	4,045.91	
			For Vinylester Resin, Add	2,693.54	
			For Epoxy Resin, Add	317.45	
			For Up To >10, Add	2,517.96	
			For >10 To 25, Add	1,456.98	
			For >25 To 50, Add	1,066.58	
			For >50 To 100, Add	533.29	
			For >500 To 1,000, Deduct	-207.25	
			For >1,000 To 2,000, Deduct	-313.34	
			For >2,000 To 5,000, Deduct	-511.25	
			For >5,000, Deduct	-848.78	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 01 30 72-0289	LF 37.5mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	4,320.02	
	For Vinylester Resin, Add	2,876.10	
	For Epoxy Resin, Add	338.97	
	For Up To >10, Add	2,688.26	
	For >10 To 25, Add	1,555.43	
	For >25 To 50, Add	1,138.69	
	For >50 To 100, Add	569.35	
	For >500 To 1,000, Deduct	-221.28	
	For >1,000 To 2,000, Deduct	-334.57	
	For >2,000 To 5,000, Deduct	-545.87	
	For >5,000, Deduct	-906.26	
33 01 30 72-0290	LF 37.5mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	4,594.27	
	For Vinylester Resin, Add	3,058.67	
	For Epoxy Resin, Add	360.49	
	For Up To >10, Add	2,858.99	
	For >10 To 25, Add	1,654.23	
	For >25 To 50, Add	1,211.02	
	For >50 To 100, Add	605.51	
	For >500 To 1,000, Deduct	-235.33	
	For >1,000 To 2,000, Deduct	-355.81	
	For >2,000 To 5,000, Deduct	-580.53	
	For >5,000, Deduct	-963.80	
33 01 30 72-0291	LF 37.5mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	4,868.49	
	For Vinylester Resin, Add	3,241.23	
	For Epoxy Resin, Add	382.00	
	For Up To >10, Add	3,029.65	
	For >10 To 25, Add	1,752.98	
	For >25 To 50, Add	1,283.31	
	For >50 To 100, Add	641.65	
	For >500 To 1,000, Deduct	-249.38	
	For >1,000 To 2,000, Deduct	-377.04	
	For >2,000 To 5,000, Deduct	-615.18	
	For >5,000, Deduct	-1,021.33	

33 01 30 72-0292 39mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)

33 01 30 72-0293	LF 39mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,633.02	
	For Vinylester Resin, Add	1,090.61	
	For Epoxy Resin, Add	128.54	
	For Up To >10, Add	1,004.01	
	For >10 To 25, Add	577.01	
	For >25 To 50, Add	424.10	
	For >50 To 100, Add	212.05	
	For >500 To 1,000, Deduct	-83.53	
	For >1,000 To 2,000, Deduct	-126.23	
	For >2,000 To 5,000, Deduct	-205.71	
	For >5,000, Deduct	-341.60	
33 01 30 72-0294	LF 39mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,917.29	
	For Vinylester Resin, Add	1,280.48	
	For Epoxy Resin, Add	150.91	
	For Up To >10, Add	1,178.72	
	For >10 To 25, Add	677.39	
	For >25 To 50, Add	497.90	
	For >50 To 100, Add	248.95	
	For >500 To 1,000, Deduct	-98.07	
	For >1,000 To 2,000, Deduct	-148.20	
	For >2,000 To 5,000, Deduct	-241.52	
	For >5,000, Deduct	-401.06	
33 01 30 72-0295	LF 39mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,201.56	
	For Vinylester Resin, Add	1,470.35	
	For Epoxy Resin, Add	173.29	
	For Up To >10, Add	1,353.43	
	For >10 To 25, Add	777.78	
	For >25 To 50, Add	571.69	
	For >50 To 100, Add	285.85	
	For >500 To 1,000, Deduct	-112.60	
	For >1,000 To 2,000, Deduct	-170.17	
	For >2,000 To 5,000, Deduct	-277.33	
	For >5,000, Deduct	-460.52	
33 01 30 72-0296	LF 39mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,485.83	
	For Vinylester Resin, Add	1,660.21	
	For Epoxy Resin, Add	195.67	
	For Up To >10, Add	1,528.17	
	For >10 To 25, Add	878.18	
	For >25 To 50, Add	645.50	
	For >50 To 100, Add	322.75	
	For >500 To 1,000, Deduct	-127.14	
	For >1,000 To 2,000, Deduct	-192.14	
	For >2,000 To 5,000, Deduct	-313.13	
	For >5,000, Deduct	-519.99	
33 01 30 72-0297	LF 39mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,770.23	
	For Vinylester Resin, Add	1,850.08	
	For Epoxy Resin, Add	218.05	
	For Up To >10, Add	1,703.27	
	For >10 To 25, Add	978.89	
	For >25 To 50, Add	719.48	
	For >50 To 100, Add	359.74	
	For >500 To 1,000, Deduct	-141.69	
	For >1,000 To 2,000, Deduct	-214.13	
	For >2,000 To 5,000, Deduct	-348.97	
	For >5,000, Deduct	-579.50	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0298 LF 39mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,061.42	
For Vinlyester Resin, Add	2,039.95	
For Epoxy Resin, Add	240.42	
For Up To >10, Add	1,898.74	
For >10 To 25, Add	1,096.58	
For >25 To 50, Add	803.66	
For >50 To 100, Add	401.83	
For >500 To 1,000, Deduct	-156.75	
For >1,000 To 2,000, Deduct	-236.97	
For >2,000 To 5,000, Deduct	-386.51	
For >5,000, Deduct	-641.73	
33 01 30 72-0299 LF 39mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,346.34	
For Vinlyester Resin, Add	2,229.81	
For Epoxy Resin, Add	262.80	
For Up To >10, Add	2,075.42	
For >10 To 25, Add	1,198.61	
For >25 To 50, Add	878.44	
For >50 To 100, Add	439.22	
For >500 To 1,000, Deduct	-171.34	
For >1,000 To 2,000, Deduct	-259.02	
For >2,000 To 5,000, Deduct	-422.48	
For >5,000, Deduct	-701.45	
33 01 30 72-0300 LF 39mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,631.28	
For Vinlyester Resin, Add	2,419.68	
For Epoxy Resin, Add	285.18	
For Up To >10, Add	2,252.14	
For >10 To 25, Add	1,300.67	
For >25 To 50, Add	953.24	
For >50 To 100, Add	476.62	
For >500 To 1,000, Deduct	-185.93	
For >1,000 To 2,000, Deduct	-281.08	
For >2,000 To 5,000, Deduct	-458.45	
For >5,000, Deduct	-761.18	
33 01 30 72-0301 LF 39mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,916.35	
For Vinlyester Resin, Add	2,609.54	
For Epoxy Resin, Add	307.55	
For Up To >10, Add	2,429.25	
For >10 To 25, Add	1,403.06	
For >25 To 50, Add	1,028.23	
For >50 To 100, Add	514.11	
For >500 To 1,000, Deduct	-200.53	
For >1,000 To 2,000, Deduct	-303.15	
For >2,000 To 5,000, Deduct	-494.46	
For >5,000, Deduct	-820.96	
33 01 30 72-0302 LF 39mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	4,201.29	
For Vinlyester Resin, Add	2,799.41	
For Epoxy Resin, Add	329.93	
For Up To >10, Add	2,605.97	
For >10 To 25, Add	1,505.12	
For >25 To 50, Add	1,103.03	
For >50 To 100, Add	551.51	
For >500 To 1,000, Deduct	-215.12	
For >1,000 To 2,000, Deduct	-325.20	
For >2,000 To 5,000, Deduct	-530.43	
For >5,000, Deduct	-880.68	
33 01 30 72-0303 LF 39mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	4,486.23	
For Vinlyester Resin, Add	2,989.28	
For Epoxy Resin, Add	352.31	
For Up To >10, Add	2,782.69	
For >10 To 25, Add	1,607.18	
For >25 To 50, Add	1,177.83	
For >50 To 100, Add	588.91	
For >500 To 1,000, Deduct	-229.71	
For >1,000 To 2,000, Deduct	-347.26	
For >2,000 To 5,000, Deduct	-566.41	
For >5,000, Deduct	-940.41	
33 01 30 72-0304 LF 39mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	4,771.17	
For Vinlyester Resin, Add	3,179.15	
For Epoxy Resin, Add	374.69	
For Up To >10, Add	2,959.41	
For >10 To 25, Add	1,709.24	
For >25 To 50, Add	1,252.62	
For >50 To 100, Add	626.31	
For >500 To 1,000, Deduct	-244.30	
For >1,000 To 2,000, Deduct	-369.31	
For >2,000 To 5,000, Deduct	-602.38	
For >5,000, Deduct	-1,000.14	
33 01 30 72-0305 LF 39mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	5,056.10	
For Vinlyester Resin, Add	3,369.02	
For Epoxy Resin, Add	397.06	
For Up To >10, Add	3,136.10	
For >10 To 25, Add	1,811.27	
For >25 To 50, Add	1,327.41	
For >50 To 100, Add	663.70	
For >500 To 1,000, Deduct	-258.89	
For >1,000 To 2,000, Deduct	-391.37	
For >2,000 To 5,000, Deduct	-638.35	
For >5,000, Deduct	-1,059.86	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 01 30 72-0306	LF	39mm Lining 114" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	5,341.02	
		For Vinylster Resin, Add	3,558.88	
		For Epoxy Resin, Add	419.44	
		For Up To >10, Add	3,312.79	
		For >10 To 25, Add	1,913.30	
		For >25 To 50, Add	1,402.19	
		For >50 To 100, Add	701.09	
		For >500 To 1,000, Deduct	-273.47	
		For >1,000 To 2,000, Deduct	-413.42	
		For >2,000 To 5,000, Deduct	-674.32	
		For >5,000, Deduct	-1,119.59	
33 01 30 72-0307	LF	39mm Lining 120" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	5,625.96	
		For Vinylster Resin, Add	3,748.75	
		For Epoxy Resin, Add	441.82	
		For Up To >10, Add	3,489.51	
		For >10 To 25, Add	2,015.36	
		For >25 To 50, Add	1,476.99	
		For >50 To 100, Add	738.49	
		For >500 To 1,000, Deduct	-288.06	
		For >1,000 To 2,000, Deduct	-435.48	
		For >2,000 To 5,000, Deduct	-710.29	
		For >5,000, Deduct	-1,179.31	

33 01 30 72-0308 40.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)

33 01 30 72-0309	LF	40.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,986.47	
		For Vinylster Resin, Add	1,327.79	
		For Epoxy Resin, Add	156.49	
		For Up To >10, Add	1,217.31	
		For >10 To 25, Add	698.29	
		For >25 To 50, Add	513.81	
		For >50 To 100, Add	256.91	
		For >500 To 1,000, Deduct	-101.56	
		For >1,000 To 2,000, Deduct	-153.47	
		For >2,000 To 5,000, Deduct	-250.03	
		For >5,000, Deduct	-415.22	
33 01 30 72-0310	LF	40.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,281.44	
		For Vinylster Resin, Add	1,524.96	
		For Epoxy Resin, Add	179.73	
		For Up To >10, Add	1,398.05	
		For >10 To 25, Add	801.95	
		For >25 To 50, Add	590.10	
		For >50 To 100, Add	295.05	
		For >500 To 1,000, Deduct	-116.65	
		For >1,000 To 2,000, Deduct	-176.25	
		For >2,000 To 5,000, Deduct	-287.15	
		For >5,000, Deduct	-476.87	
33 01 30 72-0311	LF	40.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,576.41	
		For Vinylster Resin, Add	1,722.13	
		For Epoxy Resin, Add	202.96	
		For Up To >10, Add	1,578.78	
		For >10 To 25, Add	905.62	
		For >25 To 50, Add	666.38	
		For >50 To 100, Add	333.19	
		For >500 To 1,000, Deduct	-131.73	
		For >1,000 To 2,000, Deduct	-199.04	
		For >2,000 To 5,000, Deduct	-324.28	
		For >5,000, Deduct	-538.53	
33 01 30 72-0312	LF	40.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,871.38	
		For Vinylster Resin, Add	1,919.30	
		For Epoxy Resin, Add	226.20	
		For Up To >10, Add	1,759.52	
		For >10 To 25, Add	1,009.29	
		For >25 To 50, Add	742.67	
		For >50 To 100, Add	371.33	
		For >500 To 1,000, Deduct	-146.81	
		For >1,000 To 2,000, Deduct	-221.83	
		For >2,000 To 5,000, Deduct	-361.40	
		For >5,000, Deduct	-600.18	
33 01 30 72-0313	LF	40.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,173.52	
		For Vinylster Resin, Add	2,116.46	
		For Epoxy Resin, Add	249.44	
		For Up To >10, Add	1,961.76	
		For >10 To 25, Add	1,130.88	
		For >25 To 50, Add	829.70	
		For >50 To 100, Add	414.85	
		For >500 To 1,000, Deduct	-162.43	
		For >1,000 To 2,000, Deduct	-245.51	
		For >2,000 To 5,000, Deduct	-400.32	
		For >5,000, Deduct	-664.70	
33 01 30 72-0314	LF	40.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,469.15	
		For Vinylster Resin, Add	2,313.63	
		For Epoxy Resin, Add	272.68	
		For Up To >10, Add	2,144.48	
		For >10 To 25, Add	1,236.20	
		For >25 To 50, Add	906.98	
		For >50 To 100, Add	453.49	
		For >500 To 1,000, Deduct	-177.56	
		For >1,000 To 2,000, Deduct	-268.38	
		For >2,000 To 5,000, Deduct	-437.61	
		For >5,000, Deduct	-726.62	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 01 30 72-0315	LF	40.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,764.78	
		For Vinylester Resin, Add	2,510.80	
		For Epoxy Resin, Add	295.92	
		For Up To >10, Add	2,327.19	
		For >10 To 25, Add	1,341.52	
		For >25 To 50, Add	984.25	
		For >50 To 100, Add	492.13	
		For >500 To 1,000, Deduct	-192.69	
		For >1,000 To 2,000, Deduct	-291.25	
		For >2,000 To 5,000, Deduct	-474.90	
		For >5,000, Deduct	-788.54	
33 01 30 72-0316	LF	40.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	4,060.42	
		For Vinylester Resin, Add	2,707.97	
		For Epoxy Resin, Add	319.15	
		For Up To >10, Add	2,509.94	
		For >10 To 25, Add	1,446.86	
		For >25 To 50, Add	1,061.54	
		For >50 To 100, Add	530.77	
		For >500 To 1,000, Deduct	-207.82	
		For >1,000 To 2,000, Deduct	-314.13	
		For >2,000 To 5,000, Deduct	-512.20	
		For >5,000, Deduct	-850.46	
33 01 30 72-0317	LF	40.5mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	4,356.06	
		For Vinylester Resin, Add	2,905.14	
		For Epoxy Resin, Add	342.39	
		For Up To >10, Add	2,692.68	
		For >10 To 25, Add	1,552.20	
		For >25 To 50, Add	1,138.83	
		For >50 To 100, Add	569.42	
		For >500 To 1,000, Deduct	-222.95	
		For >1,000 To 2,000, Deduct	-337.00	
		For >2,000 To 5,000, Deduct	-549.49	
		For >5,000, Deduct	-912.38	
33 01 30 72-0318	LF	40.5mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	4,651.69	
		For Vinylester Resin, Add	3,102.31	
		For Epoxy Resin, Add	365.63	
		For Up To >10, Add	2,875.40	
		For >10 To 25, Add	1,657.52	
		For >25 To 50, Add	1,216.10	
		For >50 To 100, Add	608.05	
		For >500 To 1,000, Deduct	-238.08	
		For >1,000 To 2,000, Deduct	-359.87	
		For >2,000 To 5,000, Deduct	-586.78	
		For >5,000, Deduct	-974.30	
33 01 30 72-0319	LF	40.5mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	4,947.32	
		For Vinylester Resin, Add	3,299.48	
		For Epoxy Resin, Add	388.87	
		For Up To >10, Add	3,058.11	
		For >10 To 25, Add	1,762.84	
		For >25 To 50, Add	1,293.38	
		For >50 To 100, Add	646.69	
		For >500 To 1,000, Deduct	-253.21	
		For >1,000 To 2,000, Deduct	-382.74	
		For >2,000 To 5,000, Deduct	-624.07	
		For >5,000, Deduct	-1,036.22	
33 01 30 72-0320	LF	40.5mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	5,242.95	
		For Vinylester Resin, Add	3,496.65	
		For Epoxy Resin, Add	412.10	
		For Up To >10, Add	3,240.83	
		For >10 To 25, Add	1,868.15	
		For >25 To 50, Add	1,370.65	
		For >50 To 100, Add	685.33	
		For >500 To 1,000, Deduct	-268.34	
		For >1,000 To 2,000, Deduct	-405.61	
		For >2,000 To 5,000, Deduct	-661.36	
		For >5,000, Deduct	-1,098.14	
33 01 30 72-0321	LF	40.5mm Lining 114" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	5,538.58	
		For Vinylester Resin, Add	3,693.82	
		For Epoxy Resin, Add	435.34	
		For Up To >10, Add	3,423.54	
		For >10 To 25, Add	1,973.47	
		For >25 To 50, Add	1,447.93	
		For >50 To 100, Add	723.96	
		For >500 To 1,000, Deduct	-283.47	
		For >1,000 To 2,000, Deduct	-428.48	
		For >2,000 To 5,000, Deduct	-698.65	
		For >5,000, Deduct	-1,160.06	
33 01 30 72-0322	LF	40.5mm Lining 120" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	5,834.23	
		For Vinylester Resin, Add	3,890.99	
		For Epoxy Resin, Add	458.58	
		For Up To >10, Add	3,606.29	
		For >10 To 25, Add	2,078.82	
		For >25 To 50, Add	1,525.22	
		For >50 To 100, Add	762.61	
		For >500 To 1,000, Deduct	-298.60	
		For >1,000 To 2,000, Deduct	-451.35	
		For >2,000 To 5,000, Deduct	-735.94	
		For >5,000, Deduct	-1,221.98	

33 01 30 72-0323 42mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 01 30 72-0324	LF 42mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,360.97	
	For Vinylester Resin, Add	1,579.42	
	For Epoxy Resin, Add	186.15	
	For Up To >10, Add	1,442.11	
	For >10 To 25, Add	825.71	
	For >25 To 50, Add	608.24	
	For >50 To 100, Add	304.12	
	For >500 To 1,000, Deduct	-120.66	
	For >1,000 To 2,000, Deduct	-182.31	
	For >2,000 To 5,000, Deduct	-296.92	
	For >5,000, Deduct	-493.12	
33 01 30 72-0325	LF 42mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,666.65	
	For Vinylester Resin, Add	1,783.90	
	For Epoxy Resin, Add	210.25	
	For Up To >10, Add	1,628.88	
	For >10 To 25, Add	932.66	
	For >25 To 50, Add	687.02	
	For >50 To 100, Add	343.51	
	For >500 To 1,000, Deduct	-136.29	
	For >1,000 To 2,000, Deduct	-205.91	
	For >2,000 To 5,000, Deduct	-335.37	
	For >5,000, Deduct	-556.97	
33 01 30 72-0326	LF 42mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,972.31	
	For Vinylester Resin, Add	1,988.37	
	For Epoxy Resin, Add	234.34	
	For Up To >10, Add	1,815.61	
	For >10 To 25, Add	1,039.58	
	For >25 To 50, Add	765.78	
	For >50 To 100, Add	382.89	
	For >500 To 1,000, Deduct	-151.91	
	For >1,000 To 2,000, Deduct	-229.51	
	For >2,000 To 5,000, Deduct	-373.81	
	For >5,000, Deduct	-620.82	
33 01 30 72-0327	LF 42mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,285.29	
	For Vinylester Resin, Add	2,192.84	
	For Epoxy Resin, Add	258.44	
	For Up To >10, Add	2,024.30	
	For >10 To 25, Add	1,164.81	
	For >25 To 50, Add	855.52	
	For >50 To 100, Add	427.76	
	For >500 To 1,000, Deduct	-168.08	
	For >1,000 To 2,000, Deduct	-254.03	
	For >2,000 To 5,000, Deduct	-414.08	
	For >5,000, Deduct	-687.59	
33 01 30 72-0328	LF 42mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,591.62	
	For Vinylester Resin, Add	2,397.31	
	For Epoxy Resin, Add	282.54	
	For Up To >10, Add	2,213.04	
	For >10 To 25, Add	1,273.41	
	For >25 To 50, Add	935.28	
	For >50 To 100, Add	467.64	
	For >500 To 1,000, Deduct	-183.75	
	For >1,000 To 2,000, Deduct	-277.72	
	For >2,000 To 5,000, Deduct	-452.69	
	For >5,000, Deduct	-751.70	
33 01 30 72-0329	LF 42mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,897.95	
	For Vinylester Resin, Add	2,601.78	
	For Epoxy Resin, Add	306.64	
	For Up To >10, Add	2,401.78	
	For >10 To 25, Add	1,382.01	
	For >25 To 50, Add	1,015.05	
	For >50 To 100, Add	507.52	
	For >500 To 1,000, Deduct	-199.43	
	For >1,000 To 2,000, Deduct	-301.40	
	For >2,000 To 5,000, Deduct	-491.30	
	For >5,000, Deduct	-815.81	
33 01 30 72-0330	LF 42mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,204.29	
	For Vinylester Resin, Add	2,806.26	
	For Epoxy Resin, Add	330.74	
	For Up To >10, Add	2,590.52	
	For >10 To 25, Add	1,490.61	
	For >25 To 50, Add	1,094.81	
	For >50 To 100, Add	547.41	
	For >500 To 1,000, Deduct	-215.10	
	For >1,000 To 2,000, Deduct	-325.09	
	For >2,000 To 5,000, Deduct	-529.91	
	For >5,000, Deduct	-879.93	
33 01 30 72-0331	LF 42mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,510.61	
	For Vinylester Resin, Add	3,010.73	
	For Epoxy Resin, Add	354.84	
	For Up To >10, Add	2,779.23	
	For >10 To 25, Add	1,599.19	
	For >25 To 50, Add	1,174.56	
	For >50 To 100, Add	587.28	
	For >500 To 1,000, Deduct	-230.77	
	For >1,000 To 2,000, Deduct	-348.77	
	For >2,000 To 5,000, Deduct	-568.52	
	For >5,000, Deduct	-944.04	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0332 LF 42mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	4,816.94	
For Vinlyester Resin, Add	3,215.20	
For Epoxy Resin, Add	378.93	
For Up To >10, Add	2,967.97	
For >10 To 25, Add	1,707.79	
For >25 To 50, Add	1,254.33	
For >50 To 100, Add	627.16	
For >500 To 1,000, Deduct	-246.44	
For >1,000 To 2,000, Deduct	-372.46	
For >2,000 To 5,000, Deduct	-607.13	
For >5,000, Deduct	-1,008.15	
33 01 30 72-0333 LF 42mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	5,123.27	
For Vinlyester Resin, Add	3,419.67	
For Epoxy Resin, Add	403.03	
For Up To >10, Add	3,156.71	
For >10 To 25, Add	1,816.39	
For >25 To 50, Add	1,334.09	
For >50 To 100, Add	667.05	
For >500 To 1,000, Deduct	-262.11	
For >1,000 To 2,000, Deduct	-396.15	
For >2,000 To 5,000, Deduct	-645.74	
For >5,000, Deduct	-1,072.26	
33 01 30 72-0334 LF 42mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	5,429.61	
For Vinlyester Resin, Add	3,624.15	
For Epoxy Resin, Add	427.13	
For Up To >10, Add	3,345.46	
For >10 To 25, Add	1,924.99	
For >25 To 50, Add	1,413.86	
For >50 To 100, Add	706.93	
For >500 To 1,000, Deduct	-277.79	
For >1,000 To 2,000, Deduct	-419.83	
For >2,000 To 5,000, Deduct	-684.35	
For >5,000, Deduct	-1,136.37	
33 01 30 72-0335 LF 42mm Lining 114" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	5,735.94	
For Vinlyester Resin, Add	3,828.62	
For Epoxy Resin, Add	451.23	
For Up To >10, Add	3,534.20	
For >10 To 25, Add	2,033.59	
For >25 To 50, Add	1,493.63	
For >50 To 100, Add	746.81	
For >500 To 1,000, Deduct	-293.46	
For >1,000 To 2,000, Deduct	-443.52	
For >2,000 To 5,000, Deduct	-722.96	
For >5,000, Deduct	-1,200.49	
33 01 30 72-0336 LF 42mm Lining 120" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	6,042.27	
For Vinlyester Resin, Add	4,033.09	
For Epoxy Resin, Add	475.33	
For Up To >10, Add	3,722.94	
For >10 To 25, Add	2,142.19	
For >25 To 50, Add	1,573.39	
For >50 To 100, Add	786.70	
For >500 To 1,000, Deduct	-309.13	
For >1,000 To 2,000, Deduct	-467.21	
For >2,000 To 5,000, Deduct	-761.57	
For >5,000, Deduct	-1,264.60	
33 01 30 74 Cured-in-Place Lateral Lining (33 01 30)		
33 01 30 74-0001 Laterals; Cutting, Grouting And Reinstatement (33 01 30 74)		
33 01 30 74-0002 Lateral Reinstatement/Reconnection (33 01 30 74-0001)		
33 01 30 74-0003 EA Cut Liner For Laterals, Up To 4" (Robotic).....	549.59	
33 01 30 74-0004 EA Cut Liner For Laterals, 6" (Robotic)	594.15	
33 01 30 74-0005 EA Cut Liner For Laterals, 8" (Robotic)	631.28	
33 01 30 74-0006 EA Cut Liner For Laterals, 10" (Robotic)	668.41	
33 01 30 74-0007 EA Cut Liner For Laterals, 12" (Robotic)	705.55	
33 01 30 74-0008 Grout Lateral Service (33 01 30 74-0001)		
33 01 30 74-0009 Grout Lateral Service - Bladder (33 01 30 74-0008)		
33 01 30 74-0010 EA Grout Up To 4" Lateral Service - Bladder	587.42	
33 01 30 74-0011 EA Grout 6" Lateral Service - Bladder	674.79	
33 01 30 74-0012 EA Grout 8" Lateral Service - Bladder	762.16	
33 01 30 74-0013 Grout Lateral Service - Robotic Trowel Application (33 01 30 74-0008)		
33 01 30 74-0014 EA Grout 3" To 6" Lateral Service - Robotic Trowel Application.....	640.40	
33 01 30 74-0015 EA Grout 8" To 12" Lateral Service - Robotic Trowel Application.....	693.39	
33 01 30 74-0016 Lateral T-Liner (33 01 30 74-0001)		
Note: As manufactured by LMK.		
33 01 30 74-0017 EA Up To 4" Lateral T-Liner	788.35	
33 01 30 74-0018 EA 6" Lateral T-Liner	885.33	
33 01 30 74-0019 EA 8" Lateral T-Liner	1,030.48	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 01 30 74-0020	Lining Lateral Pipe (33 01 30 74-0001)		
33 01 30 74-0021	Lining Lateral Pipe (33 01 30 74-0020)		
33 01 30 74-0022	LF 6mm Lining 3" Lateral Pipe With Cured In-Place Pipe (CIPP).....	40.16	
	For 7.5mm, Add	4.56	
	For 9 mm, Add	9.02	
33 01 30 74-0023	LF 6mm Lining 4" Lateral Pipe With Cured In-Place Pipe (CIPP).....	48.12	
	For 7.5mm, Add	6.21	
	For 9 mm, Add	12.28	
33 01 30 74-0024	LF 6mm Lining 6" Lateral Pipe With Cured In-Place Pipe (CIPP).....	63.02	
	For 7.5mm, Add	9.51	
	For 9 mm, Add	18.81	
33 01 30 74-0025	Lining Manhole Drop (33 01 30 74-0020)		
33 01 30 74-0026	EA Manhole Drop Section Lining.....	862.04	
33 01 30 79	Fold-and-Form Pipe Lining (33 01 30)		
33 01 30 79-0001	Form and Fold Relining Underground Pipelines (33 01 30 79)		
	Note: Excludes CCTV inspection and sewer cleaning. See CSI section 33 01 30 11-0000 for CCTV inspection, 33 01 30 41-0002 for sewer cleaning.		
33 01 30 79-0002	Fold-And-Form Relining Underground Pipelines Set-Up And Reinsertion (33 01 30 79-0001)		
33 01 30 79-0003	EA Initial Set Up And Final Equipment Removal For Fold-And-Form Relining Underground Pipelines.....	5,319.15	
33 01 30 79-0004	EA Move And Reset Up At Different Access/Location For Fold-And-Form Relining Underground Pipelines	2,127.66	
33 01 30 79-0005	Form And Fold Polyethylene (PE) Pipeliner (33 01 30 79-0001)		
33 01 30 79-0006	LF 4" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	46.68	
	For DR 26 Pipe Liner, Add	8.82	
	For Up To 75, Add	24.14	
	For >75 To 150, Add	12.07	
	For >500 To 1,000, Deduct	-0.85	
	For >1,000 To 2,000, Deduct	-1.71	
	For >2,000, Deduct	-3.42	
33 01 30 79-0007	LF 6" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	60.22	
	For DR 26 Pipe Liner, Add	11.99	
	For DR 35 Pipe Liner, Deduct	-5.99	
	For Up To 75, Add	28.01	
	For >75 To 150, Add	14.00	
	For >500 To 1,000, Deduct	-0.92	
	For >1,000 To 2,000, Deduct	-1.84	
	For >2,000, Deduct	-3.68	
33 01 30 79-0008	LF 8" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	62.12	
	For DR 26 Pipe Liner, Add	12.21	
	For DR 35 Pipe Liner, Deduct	-6.10	
	For Up To 75, Add	29.71	
	For >75 To 150, Add	14.86	
	For >500 To 1,000, Deduct	-1.00	
	For >1,000 To 2,000, Deduct	-2.00	
	For >2,000, Deduct	-3.99	
33 01 30 79-0009	LF 10" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	87.75	
	For DR 26 Pipe Liner, Add	18.31	
	For DR 35 Pipe Liner, Deduct	-9.16	
	For DR 41 Pipe Liner, Deduct	-18.31	
	For Up To 75, Add	36.41	
	For >75 To 150, Add	18.21	
	For >500 To 1,000, Deduct	-1.09	
	For >1,000 To 2,000, Deduct	-2.18	
	For >2,000, Deduct	-4.35	
33 01 30 79-0010	LF 12" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	123.14	
	For DR 26 Pipe Liner, Add	26.80	
	For DR 35 Pipe Liner, Deduct	-13.40	
	For DR 41 Pipe Liner, Deduct	-26.80	
	For Up To 75, Add	45.36	
	For >75 To 150, Add	22.68	
	For >500 To 1,000, Deduct	-1.20	
	For >1,000 To 2,000, Deduct	-2.39	
	For >2,000, Deduct	-4.79	
33 01 30 79-0011	LF 15" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	169.04	
	For DR 35 Pipe Liner, Deduct	-18.86	
	For DR 41 Pipe Liner, Deduct	-37.73	
	For Up To 75, Add	57.38	
	For >75 To 150, Add	28.69	
	For >500 To 1,000, Deduct	-1.36	
	For >1,000 To 2,000, Deduct	-2.72	
	For >2,000, Deduct	-5.44	
33 01 30 79-0012	LF 18" Diameter Form and Fold Polyethylene Pipeliner, DR 35	239.27	
	For DR 41 Pipe Liner, Deduct	-21.88	
	For DR 50 Pipe Liner, Deduct	-43.76	
	For Up To 75, Add	74.44	
	For >75 To 150, Add	37.22	
	For >500 To 1,000, Deduct	-1.53	
	For >1,000 To 2,000, Deduct	-3.07	
	For >2,000, Deduct	-6.14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
33 01 30 79-0013	LF		21" Diameter Form and Fold Polyethylene Pipeliner, DR 47	270.72	
			For DR 50 Pipe Liner, Deduct	-37.28	
			For DR 55 Pipe Liner, Deduct	-62.14	
			For Up To 75, Add	82.95	
			For >75 To 150, Add	41.48	
			For >500 To 1,000, Deduct	-1.66	
			For >1,000 To 2,000, Deduct	-3.32	
			For >2,000, Deduct	-6.65	
33 01 30 79-0014	LF		24" Diameter Form and Fold Polyethylene Pipeliner, DR 55	330.44	
			For DR 60 Pipe Liner, Deduct	-45.94	
			For Up To 75, Add	97.52	
			For >75 To 150, Add	48.76	
			For >500 To 1,000, Deduct	-1.81	
			For >1,000 To 2,000, Deduct	-3.63	
			For >2,000, Deduct	-7.25	
33 01 30 79-0015 Form And Fold Polyvinyl Chloride (PVC) Pipeliner (33 01 30 79-0001)					
33 01 30 79-0016	LF		4" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	50.01	
			For Up To 75, Add	24.81	
			For >75 To 150, Add	12.40	
			For >500 To 1,000, Deduct	-0.85	
			For >1,000 To 2,000, Deduct	-1.71	
			For >2,000, Deduct	-3.42	
			For DR 26 Pipe Liner, Add	9.66	
33 01 30 79-0017	LF		6" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	60.22	
			For Up To 75, Add	28.01	
			For >75 To 150, Add	14.00	
			For >500 To 1,000, Deduct	-0.92	
			For >1,000 To 2,000, Deduct	-1.84	
			For >2,000, Deduct	-3.68	
			For DR 26 Pipe Liner, Add	11.99	
			For DR 35 Pipe Liner, Deduct	-5.99	
33 01 30 79-0018	LF		8" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	66.56	
			For Up To 75, Add	30.60	
			For >75 To 150, Add	15.30	
			For >500 To 1,000, Deduct	-1.00	
			For >1,000 To 2,000, Deduct	-2.00	
			For >2,000, Deduct	-3.99	
			For DR 26 Pipe Liner, Add	13.32	
			For DR 35 Pipe Liner, Deduct	-6.66	
33 01 30 79-0019	LF		10" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	94.40	
			For Up To 75, Add	37.74	
			For >75 To 150, Add	18.87	
			For >500 To 1,000, Deduct	-1.09	
			For >1,000 To 2,000, Deduct	-2.18	
			For >2,000, Deduct	-4.35	
			For DR 26 Pipe Liner, Add	19.97	
			For DR 35 Pipe Liner, Deduct	-9.99	
			For DR 41 Pipe Liner, Deduct	-19.97	
33 01 30 79-0020	LF		12" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	133.13	
			For Up To 75, Add	47.36	
			For >75 To 150, Add	23.68	
			For >500 To 1,000, Deduct	-1.20	
			For >1,000 To 2,000, Deduct	-2.39	
			For >2,000, Deduct	-4.79	
			For DR 26 Pipe Liner, Add	29.30	
			For DR 35 Pipe Liner, Deduct	-14.65	
			For DR 41 Pipe Liner, Deduct	-29.30	
33 01 30 79-0021	LF		15" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	183.24	
			For Up To 75, Add	60.22	
			For >75 To 150, Add	30.11	
			For >500 To 1,000, Deduct	-1.36	
			For >1,000 To 2,000, Deduct	-2.72	
			For >2,000, Deduct	-5.44	
			For DR 35 Pipe Liner, Deduct	-20.64	
			For DR 41 Pipe Liner, Deduct	-41.28	
33 01 30 79-0022	LF		18" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 35.....	260.13	
			For Up To 75, Add	78.61	
			For >75 To 150, Add	39.31	
			For >500 To 1,000, Deduct	-1.53	
			For >1,000 To 2,000, Deduct	-3.07	
			For >2,000, Deduct	-6.14	
			For DR 41 Pipe Liner, Deduct	-23.97	
			For DR 50 Pipe Liner, Deduct	-47.94	
33 01 30 79-0023	LF		21" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 47.....	293.80	
			For Up To 75, Add	87.57	
			For >75 To 150, Add	43.78	
			For >500 To 1,000, Deduct	-1.66	
			For >1,000 To 2,000, Deduct	-3.32	
			For >2,000, Deduct	-6.65	
			For DR 50 Pipe Liner, Deduct	-40.75	
			For DR 55 Pipe Liner, Deduct	-67.91	
33 01 30 79-0024	LF		24" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 55.....	359.73	
			For Up To 75, Add	103.38	
			For >75 To 150, Add	51.69	
			For >500 To 1,000, Deduct	-1.81	
			For >1,000 To 2,000, Deduct	-3.63	
			For >2,000, Deduct	-7.25	
			For DR 60 Pipe Liner, Deduct	-50.33	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 01 30 81 Manhole Rehabilitation (33 01 30)**33 01 30 81-0001 Restoration And Rehabilitation Of Manholes (33 01 30 81)**

Note: Work is in confined spaces.

33 01 30 81-0002 Inspection And Ventilation System Set-up (33 01 30 81-0001)

33 01 30 81-0003	EA	Inspect Manhole	196.62	
33 01 30 81-0004	EA	36" to 60" Diameter, Up To 2600', Installation And Maintenance Of Ventilation System	15,237.09	
		Note: For internal inspection and repair of water mains.		
33 01 30 81-0005	EA	>60" to 108" Diameter, Up To 2600', Installation And Maintenance Of Ventilation System	21,607.24	
		Note: For internal inspection and repair of water mains		

33 01 30 81-0006 Manhole Seals (33 01 30 81-0001)**33 01 30 81-0007 Internal Manhole Chimney Seals (33 01 30 81-0006)**

Note: Cretex.

33 01 30 81-0008	EA	20" Internal Manhole Chimney Seal.....	573.54	
33 01 30 81-0009	EA	22" Internal Manhole Chimney Seal.....	604.54	
33 01 30 81-0010	EA	24" Internal Manhole Chimney Seal.....	620.04	
33 01 30 81-0011	EA	26" Internal Manhole Chimney Seal.....	713.05	
33 01 30 81-0012	EA	28" Internal Manhole Chimney Seal.....	806.06	
33 01 30 81-0013	EA	30" Internal Manhole Chimney Seal.....	899.07	
33 01 30 81-0014	EA	36" Internal Manhole Chimney Seal.....	1,085.08	

33 01 30 81-0015 External Manhole Encapsulation (33 01 30 81-0006)

Note: Wrapidseal.

33 01 30 81-0016	EA	24" External Manhole Encapsulation	837.06	
33 01 30 81-0017	EA	30" External Manhole Encapsulation	883.56	
33 01 30 81-0018	EA	36" External Manhole Encapsulation	945.56	
33 01 30 81-0019	EA	42" External Manhole Encapsulation	1,023.07	
33 01 30 81-0020	EA	48" External Manhole Encapsulation	1,131.58	
33 01 30 81-0021	EA	54" External Manhole Encapsulation	1,255.58	
33 01 30 81-0022	EA	60" External Manhole Encapsulation	1,410.60	

33 01 30 81-0023 Manhole Crack Repair (33 01 30 81-0001)

Note: Includes removing loose materials and cleaning.

33 01 30 81-0024	LF	Up To 1/4" Wide, Epoxy Grout Injection, Manhole Crack Repair	57.20	
33 01 30 81-0025	LF	>1/4" To 1/2" Wide, Epoxy Grout Injection, Manhole Crack Repair	77.07	
33 01 30 81-0026	LF	Up To 1/4" Wide, Urethane Grout Injection, Manhole Crack Repair	53.66	
33 01 30 81-0027	LF	>1/4" To 1/2" Wide, Urethane Grout Injection, Manhole Crack Repair	72.84	

33 01 30 81-0028 Manhole Patching (33 01 30 81-0001)

Note: Includes removing loose materials and cleaning.

33 01 30 81-0029	SF	Up To 1/4" Thick, Cementitious Grout, Manhole Patching.....	18.69	
33 01 30 81-0030	SF	Up To 1/4" Thick, Epoxy Grout, Manhole Patching.....	43.18	

33 01 30 81-0031 Manhole Joint Restoration (33 01 30 81-0001)

Note: Includes drilling holes at joints, fill joints with grout.

33 01 30 81-0032	EA	3' Diameter Joint Restoration, Grout Fill Per Each Manhole	2,453.67	
		Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
		<i>For Grouting Each Additional Manhole Joint Section, Add</i>	234.00	
33 01 30 81-0033	EA	3-1/2' Diameter Joint Restoration, Grout Fill Per Each Manhole.....	2,864.37	
		Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
		<i>For Grouting Each Additional Manhole Joint Section, Add</i>	260.50	
33 01 30 81-0034	EA	4' Diameter Joint Restoration, Grout Fill Per Each Manhole	3,271.55	
		Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
		<i>For Grouting Each Additional Manhole Joint Section, Add</i>	287.00	
33 01 30 81-0035	EA	5' Diameter Joint Restoration, Grout Fill Per Each Manhole	3,892.45	
		Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
		<i>For Grouting Each Additional Manhole Joint Section, Add</i>	300.25	
33 01 30 81-0036	EA	6' Diameter Joint Restoration, Grout Fill Per Each Manhole	4,511.58	
		Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
		<i>For Grouting Each Additional Manhole Joint Section, Add</i>	313.50	

33 01 30 81-0037 Step Installation In Existing Manholes (33 01 30 81-0001)

Note: Including drilling in existing concrete manhole, step and grout. Demolition cost includes removal of old step and patching holes.

33 01 30 81-0038	EA	Drill And Grout 8" x 9" Cast Iron Manhole Steps.....	142.06	22.96
33 01 30 81-0039	EA	Drill And Grout Galvanized Steel Manhole Step	120.16	22.96
33 01 30 81-0040	EA	Bolt On Galvanized Steel Manhole Step.....	147.90	22.96
33 01 30 81-0041	EA	Drill And Grout Aluminum Manhole Step	149.75	22.96
33 01 30 81-0042	EA	Drill And Insert Polypropylene Manhole Step.....	71.91	18.36

33 01 30 81-0043 Invert Restoration (33 01 30 81-0001)

Note: Includes removal of existing defective material and installation of new material.

33 01 30 81-0044 Concrete Invert Restoration (33 01 30 81-0043)

33 01 30 81-0045	EA	2' Diameter, Concrete Invert Restoration.....	374.63	
33 01 30 81-0046	EA	3' Diameter, Concrete Invert Restoration	423.79	
33 01 30 81-0047	EA	4' Diameter, Concrete Invert Restoration	472.94	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 01 30 81-0048	EA	5' Diameter, Concrete Invert Restoration.....	522.10	
33 01 30 81-0049	EA	6' Diameter, Concrete Invert Restoration.....	669.57	
33 01 30 81-0050	SF	Square Or Rectangular, Concrete Invert Restoration.....	37.61	

33 01 30 81-0051 Brick Invert Restoration (33 01 30 81-0043)

33 01 30 81-0052	EA	2' Diameter, Brick Invert Restoration	625.57	
33 01 30 81-0053	EA	3' Diameter, Brick Invert Restoration	674.72	
33 01 30 81-0054	EA	4' Diameter, Brick Invert Restoration	723.88	
33 01 30 81-0055	EA	5' Diameter, Brick Invert Restoration	773.03	
33 01 30 81-0056	EA	6' Diameter, Brick Invert Restoration	822.19	
33 01 30 81-0057	SF	Square Or Rectangular, Brick Invert Restoration.....	53.27	

33 01 30 81-0058 Repair In-Kind Of Drainage Structures (33 01 30 81)

Note: For brick, concrete or concrete block catch basins, inlets, manholes, and other drainage structures. Includes replacing bricks or concrete blocks, concrete repair, sealing and repairing joints, excavation, backfilling, pavement removal, restoration of pavement and all tasks to perform interior and/or exterior repair in-kind. Sizes are inside dimensions. For other sizes, use closest size.

33 01 30 81-0059	VLF	2' Diameter, Repair In-Kind Drainage Structure.....	853.50	
33 01 30 81-0060	VLF	3' Diameter, Repair In-Kind Drainage Structure.....	1,280.25	
33 01 30 81-0061	VLF	4' Diameter, Repair In-Kind Drainage Structure.....	1,707.12	
33 01 30 81-0062	VLF	5' Diameter, Repair In-Kind Drainage Structure.....	2,133.75	
33 01 30 81-0063	VLF	6' Diameter, Repair In-Kind Drainage Structure.....	2,560.51	
33 01 30 81-0064	VLF	2' x 2', Repair In-Kind Drainage Structure.....	1,087.26	
33 01 30 81-0065	VLF	2' x 3', Repair In-Kind Drainage Structure.....	1,359.08	
33 01 30 81-0066	VLF	2' x 4', Repair In-Kind Drainage Structure.....	1,630.90	
33 01 30 81-0067	VLF	3' x 4', Repair In-Kind Drainage Structure.....	1,902.71	
33 01 30 81-0068	VLF	4' x 4', Repair In-Kind Drainage Structure.....	2,174.53	
33 01 30 81-0069	VLF	4' x 5', Repair In-Kind Drainage Structure.....	2,446.35	
33 01 30 81-0070	VLF	4' x 6', Repair In-Kind Drainage Structure.....	2,718.16	
33 01 30 81-0071	VLF	4' x 8', Repair In-Kind Drainage Structure.....	3,261.79	
33 01 30 81-0072	VLF	>32 GSF, Repair In-Kind Drainage Structure	3,805.43	

33 01 30 82 Epoxy Lining for Concrete Manholes (33 01 30)

33 01 30 82-0001 Epoxy Manhole Restoration, Interior (33 01 30 82)

33 01 30 82-0002	VLF	60 Mil Epoxy Restoration Of 3' Diameter Manhole Interior	361.39	
		For 80 Mil Material, Add	43.45	
		For 100 Mil Material, Add	86.89	
		For 125 Mil Material, Add	135.61	
		For 150 Mil Material, Add	184.33	
		For 200 Mil Material, Add	266.86	
		For 2 To 5 Manholes, Deduct	-25.52	
		For 6 To 10 Manholes, Deduct	-42.01	
		For >10 Manholes, Deduct	-84.02	
33 01 30 82-0003	VLF	60 Mil Epoxy Restoration Of 3-1/2' Diameter Manhole Interior	438.25	
		For 80 Mil Material, Add	51.95	
		For 100 Mil Material, Add	103.90	
		For 125 Mil Material, Add	162.01	
		For 150 Mil Material, Add	220.12	
		For 200 Mil Material, Add	318.12	
		For 2 To 5 Manholes, Deduct	-31.02	
		For 6 To 10 Manholes, Deduct	-51.09	
		For >10 Manholes, Deduct	-102.18	
33 01 30 82-0004	VLF	60 Mil Epoxy Restoration Of 4' Diameter Manhole Interior	481.85	
		For 80 Mil Material, Add	57.93	
		For 100 Mil Material, Add	115.85	
		For 125 Mil Material, Add	180.81	
		For 150 Mil Material, Add	245.76	
		For 200 Mil Material, Add	355.80	
		For 2 To 5 Manholes, Deduct	-34.03	
		For 6 To 10 Manholes, Deduct	-56.01	
		For >10 Manholes, Deduct	-112.03	
33 01 30 82-0005	VLF	60 Mil Epoxy Restoration Of 5' Diameter Manhole Interior	602.38	
		For 80 Mil Material, Add	72.43	
		For 100 Mil Material, Add	144.86	
		For 125 Mil Material, Add	226.09	
		For 150 Mil Material, Add	307.31	
		For 200 Mil Material, Add	444.92	
		For 2 To 5 Manholes, Deduct	-42.54	
		For 6 To 10 Manholes, Deduct	-70.02	
		For >10 Manholes, Deduct	-140.05	
33 01 30 82-0006	VLF	60 Mil Epoxy Restoration Of 6' Diameter Manhole Interior	722.84	
		For 80 Mil Material, Add	86.91	
		For 100 Mil Material, Add	173.82	
		For 125 Mil Material, Add	271.29	
		For 150 Mil Material, Add	368.75	
		For 200 Mil Material, Add	533.86	
		For 2 To 5 Manholes, Deduct	-51.05	
		For 6 To 10 Manholes, Deduct	-84.03	
		For >10 Manholes, Deduct	-168.05	

33 01 30 83 Lining for Concrete Manholes (33 01 30)

33 01 30 83-0001 Manhole Lining (33 01 30 83)

Note: Includes power washing and cleaning of manhole interiors.

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 01 30 83-0002 Cementitious Manhole Restoration, Interior (33 01 30 83-0001)		
33 01 30 83-0003	VLF 1/2" Cementitious Restoration On 3' Diameter Manhole Interior.....	150.11
	For Each Additional 1/2" Thick Material, Add	34.40
	For 2 To 5 Manholes, Deduct	-10.65
	For 6 To 10 Manholes, Deduct	-17.55
	For >10 Manholes, Deduct	-35.10
33 01 30 83-0004	VLF 1/2" Cementitious Restoration On 3-1/2' Diameter Manhole Interior	174.04
	For Each Additional 1/2" Thick Material, Add	40.04
	For 2 To 5 Manholes, Deduct	-12.35
	For 6 To 10 Manholes, Deduct	-20.34
	For >10 Manholes, Deduct	-40.68
33 01 30 83-0005	VLF 1/2" Cementitious Restoration On 4' Diameter Manhole Interior.....	197.96
	For Each Additional 1/2" Thick Material, Add	45.66
	For 2 To 5 Manholes, Deduct	-14.04
	For 6 To 10 Manholes, Deduct	-23.13
	For >10 Manholes, Deduct	-46.26
33 01 30 83-0006	VLF 1/2" Cementitious Restoration On 5' Diameter Manhole Interior.....	232.73
	For Each Additional 1/2" Thick Material, Add	55.75
	For 2 To 5 Manholes, Deduct	-16.44
	For 6 To 10 Manholes, Deduct	-27.06
	For >10 Manholes, Deduct	-54.12
33 01 30 83-0007	VLF 1/2" Cementitious Restoration On 6' Diameter Manhole Interior.....	253.87
	For Each Additional 1/2" Thick Material, Add	64.18
	For 2 To 5 Manholes, Deduct	-17.83
	For 6 To 10 Manholes, Deduct	-29.31
	For >10 Manholes, Deduct	-58.62
33 01 30 83-0008 Polyurethane Manhole Restoration, Interior (33 01 30 83-0001)		
33 01 30 83-0009	VLF 60 Mil Polyurethane Restoration Of 3' Diameter Manhole Interior	320.22
	For 80 Mil Material, Add	29.72
	For 100 Mil Material, Add	59.45
	For 125 Mil Material, Add	91.01
	For 150 Mil Material, Add	122.57
	For 200 Mil Material, Add	170.80
	For 2 To 5 Manholes, Deduct	-23.46
	For 6 To 10 Manholes, Deduct	-38.92
	For >10 Manholes, Deduct	-77.85
33 01 30 83-0010	VLF 60 Mil Polyurethane Restoration Of 3-1/2' Diameter Manhole Interior	390.15
	For 80 Mil Material, Add	35.92
	For 100 Mil Material, Add	71.84
	For 125 Mil Material, Add	109.90
	For 150 Mil Material, Add	147.97
	For 200 Mil Material, Add	205.88
	For 2 To 5 Manholes, Deduct	-28.62
	For 6 To 10 Manholes, Deduct	-47.48
	For >10 Manholes, Deduct	-94.96
33 01 30 83-0011	VLF 60 Mil Polyurethane Restoration Of 4' Diameter Manhole Interior	426.96
	For 80 Mil Material, Add	39.63
	For 100 Mil Material, Add	79.26
	For 125 Mil Material, Add	121.34
	For 150 Mil Material, Add	163.43
	For 200 Mil Material, Add	227.72
	For 2 To 5 Manholes, Deduct	-31.29
	For 6 To 10 Manholes, Deduct	-51.90
	For >10 Manholes, Deduct	-103.80
33 01 30 83-0012	VLF 60 Mil Polyurethane Restoration Of 5' Diameter Manhole Interior	533.69
	For 80 Mil Material, Add	49.54
	For 100 Mil Material, Add	99.07
	For 125 Mil Material, Add	151.68
	For 150 Mil Material, Add	204.28
	For 200 Mil Material, Add	284.64
	For 2 To 5 Manholes, Deduct	-39.11
	For 6 To 10 Manholes, Deduct	-64.87
	For >10 Manholes, Deduct	-129.74
33 01 30 83-0013	VLF 60 Mil Polyurethane Restoration Of 6' Diameter Manhole Interior	640.43
	For 80 Mil Material, Add	59.44
	For 100 Mil Material, Add	118.89
	For 125 Mil Material, Add	182.01
	For 150 Mil Material, Add	245.13
	For 200 Mil Material, Add	341.57
	For 2 To 5 Manholes, Deduct	-46.93
	For 6 To 10 Manholes, Deduct	-77.85
	For >10 Manholes, Deduct	-155.69
33 01 30 83-0014 Multiplexx™ PVCP Cured-In-Place (CIP) Lining Manhole Restoration, Interior (33 01 30 83-0001)		
33 01 30 83-0015	VLF 3' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole	576.09
	For 2 To 5 Manholes, Deduct	-33.29
	For 6 To 10 Manholes, Deduct	-52.18
	For >10 Manholes, Deduct	-104.37
33 01 30 83-0016	VLF 3-1/2' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole.....	705.54
	For 2 To 5 Manholes, Deduct	-40.76
	For 6 To 10 Manholes, Deduct	-63.89
	For >10 Manholes, Deduct	-127.77

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 01 30 83-0017	VLF	4' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole.....	832.59		
		For 2 To 5 Manholes, Deduct	-47.61		
		For 6 To 10 Manholes, Deduct	-74.41		
		For >10 Manholes, Deduct	-148.82		
33 01 30 83-0018	VLF	5' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole.....	1,044.18		
		For 2 To 5 Manholes, Deduct	-59.69		
		For 6 To 10 Manholes, Deduct	-93.27		
		For >10 Manholes, Deduct	-186.55		
33 01 30 83-0019	VLF	6' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole.....	1,255.78		
		For 2 To 5 Manholes, Deduct	-71.77		
		For 6 To 10 Manholes, Deduct	-112.14		
		For >10 Manholes, Deduct	-224.27		

33 01 30 86 Manhole Rim Adjustment (33 01 30)

33 01 30 86-0001		Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Risers (33 01 30 86)			
33 01 30 86-0002		Up To 6" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Risers (33 01 30 86-0001)			
33 01 30 86-0003	EA	Up To 2" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	411.88		
33 01 30 86-0004	EA	>2" To 3" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	464.34		
33 01 30 86-0005	EA	>3" To 4" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	511.86		
33 01 30 86-0006	EA	>4" To 5" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	565.75		
33 01 30 86-0007	EA	>5" To 6" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	609.28		

33 01 30 86-0008 Up To 6" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser (33 01 30 86-0001)

33 01 30 86-0009	EA	Up To 2" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	487.12		
33 01 30 86-0010	EA	>2" To 3" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	531.41		
33 01 30 86-0011	EA	>3" To 4" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	587.32		
33 01 30 86-0012	EA	>4" To 5" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	641.21		
33 01 30 86-0013	EA	>5" To 6" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	693.10		

33 01 30 86-0014 Up To 6" Rise, >32-1/2" To 36" Diameter, Adjustable Or Solid Manhole Risers (33 01 30 86-0001)

33 01 30 86-0015	EA	Up To 4" Rise, >32-1/2" To 36" Diameter, Solid Manhole Risers	557.47		
33 01 30 86-0016	EA	>4" To 5" Rise, >32-1/2" To 36" Diameter, Solid Manhole Risers	589.33		
33 01 30 86-0017	EA	>5" To 6" Rise, >32-1/2" To 36" Diameter, Solid Manhole Risers	623.40		

33 01 30 86-0018 >6" To 12" Rise, >32-1/2" To 36" Diameter, Solid, Cast Iron, Manhole Cover Risers (33 01 30 86-0001)

33 01 30 86-0019	EA	>6" To 6-1/2" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	679.48		
33 01 30 86-0020	EA	7" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	739.58		
33 01 30 86-0021	EA	7-1/2" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	800.61		
33 01 30 86-0022	EA	8" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	848.77		
33 01 30 86-0023	EA	9" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	923.05		
33 01 30 86-0024	EA	10" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	990.27		
33 01 30 86-0025	EA	11" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	1,055.95		
33 01 30 86-0026	EA	12" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	1,122.95		

33 01 30 86-0027 >12" Rise, Solid Manhole Risers (33 01 30 86)

33 01 30 86-0028 Precast Concrete Manhole Riser (33 01 30 86-0027)

33 01 30 86-0029	VLF	Up To 26" Diameter Precast Concrete Manhole Riser	104.57		
33 01 30 86-0030	VLF	>26" To 36" Diameter Precast Concrete Manhole Riser	125.30		
33 01 30 86-0031	VLF	>36" To 48" Diameter Precast Concrete Manhole Riser	187.97		
33 01 30 86-0032	VLF	>48" To 60" Diameter Precast Concrete Manhole Riser	383.30		
33 01 30 86-0033	VLF	>60" To 72" Diameter Precast Concrete Manhole Riser	561.47		

33 01 34 Operation and Maintenance of Onsite Wastewater Disposal Systems (33 01)

33 01 34 13 Septic Tank Solids Removal (33 01 34)

33 01 34 13-0001		Pump Out Septic Tanks (33 01 34 13)			
33 01 34 13-0002	GAL	Pump Out Septic Tank And Dispose	0.68		

33 01 70 Operation and Maintenance of Electrical Utilities (33 01)

33 01 70 51 Electrical Utility Visual Inspection (33 01 70)

33 01 70 51-0001		Video Camera Inspection Of Gas Piping and Electrical Duct (33 01 70 51)			
33 01 70 51-0002		Video Camera Set-up (33 01 70 51-0001)			
33 01 70 51-0003	EA	Up To 12" Diameter, Initial Set Up For Video Inspection, Gas Pipe Or Electrical Duct	273.86		
33 01 70 51-0004	EA	>12" To 48" Diameter, Initial Set Up For Video Inspection, Gas Pipe	308.09		
33 01 70 51-0005	EA	Up To 12" Diameter, Re-Set Up/Move For Video Inspection, Gas Pipe Or Electrical Duct	68.47		
33 01 70 51-0006	EA	>12" To 48" Diameter, Re-Set Up/Move For Video Inspection, Gas Pipe	102.69		

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 70 Operation and Maintenance of Electrical Utilities**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 01 70 51-0007		Video Camera Inspection Of Gas Pipe Or Electrical Duct (33 01 70 51-0001)	
33 01 70 51-0008	LF	Up To 12" Diameter, Video Inspection, Gas Pipe Or Electrical Duct	1.06
		<i>For >1,000 To 5,000, Deduct</i>	-0.05
		<i>For >5,000, Deduct</i>	-0.11
33 01 70 51-0009	LF	>12" To 48" Diameter, Video Inspection, Gas Pipe	1.63
		<i>For >1,000 To 5,000, Deduct</i>	-0.08
		<i>For >5,000, Deduct</i>	-0.16
33 01 70 72		Cured-in-Place Conduit Lining (33 01 70)	
33 01 70 72-0001		Lining Conduit With Cured In-Place (CIP) Liner (33 01 70 72)	
		Note: Cured in-place thermosetting resin pipe and resin impregnated tube. Excludes video camera inspection and cleaning.	
33 01 70 72-0002		2mm Thick Cured In-Place Conduit Lining (33 01 70 72-0001)	
33 01 70 72-0003	LF	1-1/2" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	7.55
		<i>For Up To >10, Add</i>	14.40
		<i>For >10 To 25, Add</i>	11.45
		<i>For >25 To 50, Add</i>	7.04
		<i>For >50 To 100, Add</i>	3.52
		<i>For >500 To 1,000, Deduct</i>	-0.48
		<i>For >1,000 To 2,000, Deduct</i>	-0.78
		<i>For >2,000 To 5,000, Deduct</i>	-1.46
		<i>For >5,000, Deduct</i>	-2.36
33 01 70 72-0004	LF	2" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	9.24
		<i>For Up To >10, Add</i>	16.60
		<i>For >10 To 25, Add</i>	13.09
		<i>For >25 To 50, Add</i>	8.08
		<i>For >50 To 100, Add</i>	4.04
		<i>For >500 To 1,000, Deduct</i>	-0.58
		<i>For >1,000 To 2,000, Deduct</i>	-0.93
		<i>For >2,000 To 5,000, Deduct</i>	-1.73
		<i>For >5,000, Deduct</i>	-2.81
33 01 70 72-0005	LF	2-1/2" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	11.59
		<i>For Up To >10, Add</i>	20.75
		<i>For >10 To 25, Add</i>	16.35
		<i>For >25 To 50, Add</i>	10.09
		<i>For >50 To 100, Add</i>	5.05
		<i>For >500 To 1,000, Deduct</i>	-0.73
		<i>For >1,000 To 2,000, Deduct</i>	-1.17
		<i>For >2,000 To 5,000, Deduct</i>	-2.17
		<i>For >5,000, Deduct</i>	-3.51
33 01 70 72-0006	LF	3" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	13.69
		<i>For Up To >10, Add</i>	24.15
		<i>For >10 To 25, Add</i>	18.99
		<i>For >25 To 50, Add</i>	11.73
		<i>For >50 To 100, Add</i>	5.87
		<i>For >500 To 1,000, Deduct</i>	-0.86
		<i>For >1,000 To 2,000, Deduct</i>	-1.37
		<i>For >2,000 To 5,000, Deduct</i>	-2.54
		<i>For >5,000, Deduct</i>	-4.12
33 01 70 72-0007	LF	3-1/2" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	15.37
		<i>For Up To >10, Add</i>	26.29
		<i>For >10 To 25, Add</i>	20.58
		<i>For >25 To 50, Add</i>	12.75
		<i>For >50 To 100, Add</i>	6.37
		<i>For >500 To 1,000, Deduct</i>	-0.95
		<i>For >1,000 To 2,000, Deduct</i>	-1.52
		<i>For >2,000 To 5,000, Deduct</i>	-2.81
		<i>For >5,000, Deduct</i>	-4.56
33 01 70 72-0008	LF	4" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	17.33
		<i>For Up To >10, Add</i>	29.27
		<i>For >10 To 25, Add</i>	22.87
		<i>For >25 To 50, Add</i>	14.18
		<i>For >50 To 100, Add</i>	7.09
		<i>For >500 To 1,000, Deduct</i>	-1.07
		<i>For >1,000 To 2,000, Deduct</i>	-1.71
		<i>For >2,000 To 5,000, Deduct</i>	-3.15
		<i>For >5,000, Deduct</i>	-5.11
33 01 70 72-0009	LF	5" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	20.45
		<i>For Up To >10, Add</i>	32.83
		<i>For >10 To 25, Add</i>	25.45
		<i>For >25 To 50, Add</i>	15.84
		<i>For >50 To 100, Add</i>	7.92
		<i>For >500 To 1,000, Deduct</i>	-1.25
		<i>For >1,000 To 2,000, Deduct</i>	-1.99
		<i>For >2,000 To 5,000, Deduct</i>	-3.63
		<i>For >5,000, Deduct</i>	-5.90
33 01 70 72-0010	LF	6" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	23.58
		<i>For Up To >10, Add</i>	36.42
		<i>For >10 To 25, Add</i>	28.06
		<i>For >25 To 50, Add</i>	17.52
		<i>For >50 To 100, Add</i>	8.76
		<i>For >500 To 1,000, Deduct</i>	-1.43
		<i>For >1,000 To 2,000, Deduct</i>	-2.26
		<i>For >2,000 To 5,000, Deduct</i>	-4.11
		<i>For >5,000, Deduct</i>	-6.69

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST

33 01 70 72-0011			3mm Thick Cured In-Place Conduit Lining (33 01 70 72-0001)		
33 01 70 72-0012	LF		1-1/2" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining.....	9.33	
			For Up To >10, Add	15.97	
			For >10 To 25, Add	12.50	
			For >25 To 50, Add	7.74	
			For >50 To 100, Add	3.87	
			For >500 To 1,000, Deduct	-0.58	
			For >1,000 To 2,000, Deduct	-0.93	
			For >2,000 To 5,000, Deduct	-1.71	
			For >5,000, Deduct	-2.77	
33 01 70 72-0013	LF		2" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining	12.12	
			For Up To >10, Add	20.01	
			For >10 To 25, Add	15.59	
			For >25 To 50, Add	9.68	
			For >50 To 100, Add	4.84	
			For >500 To 1,000, Deduct	-0.75	
			For >1,000 To 2,000, Deduct	-1.19	
			For >2,000 To 5,000, Deduct	-2.18	
			For >5,000, Deduct	-3.54	
33 01 70 72-0014	LF		2-1/2" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining.....	14.92	
			For Up To >10, Add	24.06	
			For >10 To 25, Add	18.67	
			For >25 To 50, Add	11.62	
			For >50 To 100, Add	5.81	
			For >500 To 1,000, Deduct	-0.91	
			For >1,000 To 2,000, Deduct	-1.45	
			For >2,000 To 5,000, Deduct	-2.65	
			For >5,000, Deduct	-4.31	
33 01 70 72-0015	LF		3" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining	17.46	
			For Up To >10, Add	27.33	
			For >10 To 25, Add	21.11	
			For >25 To 50, Add	13.16	
			For >50 To 100, Add	6.58	
			For >500 To 1,000, Deduct	-1.06	
			For >1,000 To 2,000, Deduct	-1.68	
			For >2,000 To 5,000, Deduct	-3.06	
			For >5,000, Deduct	-4.98	
33 01 70 72-0016	LF		3-1/2" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining.....	19.87	
			For Up To >10, Add	30.21	
			For >10 To 25, Add	23.22	
			For >25 To 50, Add	14.52	
			For >50 To 100, Add	7.26	
			For >500 To 1,000, Deduct	-1.20	
			For >1,000 To 2,000, Deduct	-1.90	
			For >2,000 To 5,000, Deduct	-3.44	
			For >5,000, Deduct	-5.60	
33 01 70 72-0017	LF		4" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining	22.41	
			For Up To >10, Add	33.48	
			For >10 To 25, Add	25.65	
			For >25 To 50, Add	16.07	
			For >50 To 100, Add	8.03	
			For >500 To 1,000, Deduct	-1.34	
			For >1,000 To 2,000, Deduct	-2.13	
			For >2,000 To 5,000, Deduct	-3.85	
			For >5,000, Deduct	-6.26	
33 01 70 72-0018	LF		5" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining	27.35	
			For Up To >10, Add	39.60	
			For >10 To 25, Add	30.17	
			For >25 To 50, Add	18.95	
			For >50 To 100, Add	9.48	
			For >500 To 1,000, Deduct	-1.63	
			For >1,000 To 2,000, Deduct	-2.57	
			For >2,000 To 5,000, Deduct	-4.63	
			For >5,000, Deduct	-7.54	
33 01 70 72-0019	LF		6" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining	31.89	
			For Up To >10, Add	44.55	
			For >10 To 25, Add	33.71	
			For >25 To 50, Add	21.25	
			For >50 To 100, Add	10.63	
			For >500 To 1,000, Deduct	-1.88	
			For >1,000 To 2,000, Deduct	-2.96	
			For >2,000 To 5,000, Deduct	-5.31	
			For >5,000, Deduct	-8.67	

33 05 Common Work Results for Utilities (33)

33 05 05 Buried Piping Installation (33 05)

33 05 05 43 Mandrel Testing (33 05 05)

33 05 05 43-0001 Pipe Line Deflection Testing (Mandrel) On Existing Pipe (33 05 05 43)

33 05 05 43-0002	EA		Initial Set Up And Final Equipment Removal For Deflection Testing (Mandrel).....	686.52	
33 05 05 43-0003	EA		Move And Reset Up At Different Access/Location For Deflection Testing (Mandrel).....	343.26	
33 05 05 43-0004	LF		Up To 4" Diameter Pipe Line Deflection Testing (Mandrel)	1.08	
			For >100 To 200, Deduct	-0.06	
			For >200 To 400, Deduct	-0.11	
			For >400, Deduct	-0.17	

33 Utilities**33 05 Common Work Results for Utilities****33 05 05 Buried Piping Installation**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 05 05 43-0005	LF	6" Diameter Pipe Line Deflection Testing (Mandrel)	1.61
		For >100 To 200, Deduct	-0.07
		For >200 To 400, Deduct	-0.14
		For >400, Deduct	-0.22
33 05 05 43-0006	LF	8" Diameter Pipe Line Deflection Testing (Mandrel)	1.92
		For >100 To 200, Deduct	-0.09
		For >200 To 400, Deduct	-0.16
		For >400, Deduct	-0.25
33 05 05 43-0007	LF	10" Diameter Pipe Line Deflection Testing (Mandrel)	2.25
		For >100 To 200, Deduct	-0.10
		For >200 To 400, Deduct	-0.18
		For >400, Deduct	-0.29
33 05 05 43-0008	LF	12" Diameter Pipe Line Deflection Testing (Mandrel)	2.51
		For >100 To 200, Deduct	-0.11
		For >200 To 400, Deduct	-0.20
		For >400, Deduct	-0.31
33 05 05 43-0009	LF	>12" To 15" Diameter Pipe Line Deflection Testing (Mandrel)	2.64
		For >100 To 200, Deduct	-0.12
		For >200 To 400, Deduct	-0.22
		For >400, Deduct	-0.34
33 05 05 43-0010	LF	>15" To 24" Diameter Pipe Line Deflection Testing (Mandrel)	2.79
		For >100 To 200, Deduct	-0.13
		For >200 To 400, Deduct	-0.24
		For >400, Deduct	-0.38
33 05 05 43-0011	LF	>24" To 30" Diameter Pipe Line Deflection Testing (Mandrel)	3.08
		For >100 To 200, Deduct	-0.15
		For >200 To 400, Deduct	-0.28
		For >400, Deduct	-0.44
33 05 05 43-0012	LF	>30" To 42" Diameter Pipe Line Deflection Testing (Mandrel)	3.66
		For >100 To 200, Deduct	-0.19
		For >200 To 400, Deduct	-0.36
		For >400, Deduct	-0.57
33 05 05 43-0013	LF	>42" To 48" Diameter Pipe Line Deflection Testing (Mandrel)	4.89
		For >100 To 200, Deduct	-0.29
		For >200 To 400, Deduct	-0.53
		For >400, Deduct	-0.84
33 05 05 43-0014	LF	>48" To 60" Diameter Pipe Line Deflection Testing (Mandrel)	6.23
		For >100 To 200, Deduct	-0.39
		For >200 To 400, Deduct	-0.72
		For >400, Deduct	-1.13

33 05 07 Trenchless Installation of Utility Piping ^(33 05)**33 05 07 13 Utility Directional Drilling** ^(33 05 07)**33 05 07 13-0001 Horizontal Augering** ^(33 05 07 13)

Note: Excludes starting or receiving pits, dewatering, cost of casing pipe or spoils removal. See CSI section 31 23 16 36-0000 for excavation and backfill of starting or receiving pits, 33 05 07 24-0001 for casing pipe.

33 05 07 13-0002	LF	Up To 2" Diameter Horizontal Hand Augering	26.62
33 05 07 13-0003	LF	3" Diameter Horizontal Hand Augering	32.14
33 05 07 13-0004	LF	4" Diameter Horizontal Hand Augering	44.07
33 05 07 13-0005	LF	6" Diameter Horizontal Hand Augering	56.93
33 05 07 13-0006	LF	8" Diameter Horizontal Augering	103.77
33 05 07 13-0007	LF	10" Diameter Horizontal Augering	151.38
33 05 07 13-0008	LF	12" Diameter Horizontal Augering	181.90
33 05 07 13-0009	LF	16" Diameter Horizontal Augering	217.31
33 05 07 13-0010	LF	20" Diameter Horizontal Augering	376.01
33 05 07 13-0011	LF	24" Diameter Horizontal Augering	465.17
33 05 07 13-0012	LF	30" Diameter Horizontal Augering	573.75
33 05 07 13-0013	LF	36" Diameter Horizontal Augering	655.52
33 05 07 13-0014	LF	42" Diameter Horizontal Augering	831.24
33 05 07 13-0015	LF	48" Diameter Horizontal Augering	895.67
33 05 07 13-0016	LF	54" Diameter Horizontal Augering	974.08
33 05 07 13-0017	LF	60" Diameter Horizontal Augering	1,021.22
33 05 07 13-0018	EA	8" To 20" Horizontal Augering Minimum Set-up Charge	4,394.93
		Note: For projects where the total horizontal augering charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	
33 05 07 13-0019	EA	>20" To 36" Horizontal Augering Minimum Set-up Charge	5,898.35
		Note: For projects where the total horizontal augering charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	
33 05 07 13-0020	EA	>36" Horizontal Augering Minimum Set-up Charge	8,485.70
		Note: For projects where the total horizontal augering charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	

33 05 07 13-0021 Horizontal Directional Boring ^(33 05 07 13)

Note: Excludes receiving pits or dewatering or cost of casing pipe. See CSI section 31 23 16 36-0000 for excavation and backfill of starting or receiving pits, 33 05 07 24-0001 for casing pipe.

33 05 07 13-0022	LF	Up To 1-1/2" Diameter Directional Boring For Horizontal Pipe, Underground	14.41
		For Horizontal Boring Through Rock, Add	10.09
33 05 07 13-0023	LF	2" Diameter Directional Boring For Horizontal Pipe, Underground	21.62
		For Horizontal Boring Through Rock, Add	15.13
33 05 07 13-0024	LF	2-1/2" Diameter Directional Boring For Horizontal Pipe, Underground	30.02
		For Horizontal Boring Through Rock, Add	21.01
33 05 07 13-0025	LF	3" Diameter Directional Boring For Horizontal Pipe, Underground	37.23
		For Horizontal Boring Through Rock, Add	26.06
33 05 07 13-0026	LF	4" Diameter Directional Boring For Horizontal Pipe, Underground	44.44
		For Horizontal Boring Through Rock, Add	31.11

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 05 07 13-0027	LF	5" Diameter Directional Boring For Horizontal Pipe, Underground <i>For Horizontal Boring Through Rock, Add</i>	51.64 36.15	
33 05 07 13-0028	LF	6" Diameter Directional Boring For Horizontal Pipe, Underground <i>For Horizontal Boring Through Rock, Add</i>	60.05 42.04	
33 05 07 13-0029	LF	8" Diameter Directional Boring For Horizontal Pipe, Underground <i>For Horizontal Boring Through Rock, Add</i>	73.25 51.28	
33 05 07 13-0030	LF	10" Diameter Directional Boring For Horizontal Pipe, Underground <i>For Horizontal Boring Through Rock, Add</i>	79.35 55.55	
33 05 07 13-0031	LF	12" Diameter Directional Boring For Horizontal Pipe, Underground <i>For Horizontal Boring Through Rock, Add</i>	85.45 59.82	
33 05 07 13-0032	LF	18" Diameter Directional Boring For Horizontal Pipe, Underground <i>For Horizontal Boring Through Rock, Add</i>	177.01 123.91	
33 05 07 13-0033	LF	24" Diameter Directional Boring For Horizontal Pipe, Underground <i>For Horizontal Boring Through Rock, Add</i>	274.81 192.37	
33 05 07 13-0034	LF	30" Diameter Directional Boring For Horizontal Pipe, Underground <i>For Horizontal Boring Through Rock, Add</i>	418.92 293.24	
33 05 07 13-0035	LF	36" Diameter Directional Boring For Horizontal Pipe, Underground <i>For Horizontal Boring Through Rock, Add</i>	670.27 469.19	
33 05 07 13-0036	EA	Up To 6" Horizontal Directional Boring Minimum Set-up Charge..... Note: For projects where the total horizontal directional boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	3,843.26	
33 05 07 13-0037	EA	>6" To 18" Horizontal Directional Boring Minimum Set-up Charge..... Note: For projects where the total horizontal directional boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	4,394.93	
33 05 07 13-0038	EA	>18" To 36" Horizontal Directional Boring Minimum Set-up Charge..... Note: For projects where the total horizontal directional boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	5,898.35	

33 05 07 23 Utility Boring and Jacking (33 05 07)

33 05 07 23-0001 Horizontal Jacking (33 05 07 23)

Note: Includes cost of steel casing pipe, excludes dewatering and excavation for jacking pit or receiving pit. See CSI section 31 23 16 36-0000 for excavation and backfill of starting or receiving pits.

33 05 07 23-0002	LF	Up To 2" Diameter Horizontal Jacking..... <i>For Horizontal Jacking Through Rock, Add</i>	89.69 31.90	
33 05 07 23-0003	LF	3" Diameter Horizontal Jacking..... <i>For Horizontal Jacking Through Rock, Add</i>	107.14 38.50	
33 05 07 23-0004	LF	4" Diameter Horizontal Jacking..... <i>For Horizontal Jacking Through Rock, Add</i>	143.61 52.80	
33 05 07 23-0005	LF	6" Diameter Horizontal Jacking..... <i>For Horizontal Jacking Through Rock, Add</i>	185.67 68.20	
33 05 07 23-0006	LF	8" Diameter Horizontal Jacking..... <i>For Horizontal Jacking Through Rock, Add</i>	249.86 93.49	
33 05 07 23-0007	LF	10" Diameter Horizontal Jacking..... <i>For Horizontal Jacking Through Rock, Add</i>	367.31 136.40	
33 05 07 23-0008	LF	12" Diameter Horizontal Jacking..... <i>For Horizontal Jacking Through Rock, Add</i>	442.70 163.90	
33 05 07 23-0009	LF	16" Diameter Horizontal Jacking..... <i>For Horizontal Jacking Through Rock, Add</i>	528.38 195.80	
33 05 07 23-0010	LF	20" Diameter Horizontal Jacking..... <i>For Horizontal Jacking Through Rock, Add</i>	770.32 339.89	
33 05 07 23-0011	LF	24" Diameter Horizontal Jacking..... <i>For Horizontal Jacking Through Rock, Add</i>	1,547.61 381.45	
33 05 07 23-0012	LF	30" Diameter Horizontal Jacking..... <i>For Horizontal Jacking Through Rock, Add</i>	1,755.77 471.02	
33 05 07 23-0013	LF	36" Diameter Horizontal Jacking..... <i>For Horizontal Jacking Through Rock, Add</i>	1,972.59 538.57	
33 05 07 23-0014	LF	42" Diameter Horizontal Jacking..... <i>For Horizontal Jacking Through Rock, Add</i>	2,114.26 581.58	
33 05 07 23-0015	LF	48" Diameter Horizontal Jacking..... <i>For Horizontal Jacking Through Rock, Add</i>	2,298.95 626.64	
33 05 07 23-0016	LF	54" Diameter Horizontal Jacking..... <i>For Horizontal Jacking Through Rock, Add</i>	2,437.81 682.00	
33 05 07 23-0017	EA	Up To 6" Horizontal Jacking Minimum Set-up Charge..... Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	3,843.26	
33 05 07 23-0018	EA	>6" To 20" Horizontal Jacking Minimum Set-up Charge..... Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	4,394.93	
33 05 07 23-0019	EA	>20" To 36" Horizontal Jacking Minimum Set-up Charge..... Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	5,898.35	
33 05 07 23-0020	EA	>36" Horizontal Jacking Minimum Set-up Charge..... Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	8,485.70	

33 05 07 24 Casing Piping for Utility Jacking (33 05 07)

33 05 07 24-0001 Casing Pipe (33 05 07 24)

Note: Casing pipe is pulled back from hook on boring auger through slurry. Costs are installed costs. Excludes boring.

33 05 07 24-0002 Steel Pipe (33 05 07 24-0001)

33 05 07 24-0003	LF	1-1/2" Steel Pipe Pull In Place By Boring Machine..... Note: Includes pipe welding.	36.99	
33 05 07 24-0004	LF	2" Steel Pipe Pull In Place By Boring Machine..... Note: Includes pipe welding.	39.06	

33 Utilities**33 05 Common Work Results for Utilities****33 05 07 Trenchless Installation of Utility Piping**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 05 07 24-0005	LF	2-1/2" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	42.40
33 05 07 24-0006	LF	3" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	45.78
33 05 07 24-0007	LF	4" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	58.90
33 05 07 24-0008	LF	5" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	67.10
33 05 07 24-0009	LF	6" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	75.28

33 05 07 24-0010 Polyethylene Pipe (33 05 07 24-0001)

Note: Includes detectable tracer wire.

33 05 07 24-0011	LF	3/4" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	7.00
33 05 07 24-0012	LF	1" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	7.64
33 05 07 24-0013	LF	1-1/4" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	8.27
33 05 07 24-0014	LF	1-1/2" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	8.85
33 05 07 24-0015	LF	2" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	9.48
33 05 07 24-0016	LF	2-1/2" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	10.16
33 05 07 24-0017	LF	3" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	10.87
33 05 07 24-0018	LF	4" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	13.34
33 05 07 24-0019	LF	5" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	14.87
33 05 07 24-0020	LF	6" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	16.39
33 05 07 24-0021	LF	8" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	21.65
33 05 07 24-0022	LF	10" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	29.88

33 05 09 Piping Specials for Utilities (33 05)**33 05 09 23 Adapters for Utility Piping** (33 05 09)

See CSI section 33 14 13 53-0222 for ductile iron body adapters, 33 14 13 53-0229 for steel body adapters.

33 05 09 33 Thrust Restraint for Utility Piping (33 05 09)

See CSI section 33 14 13 13-0566 for mechanical restraints, 33 14 13 13-0601 for flanged restraints, 33 14 13 13-1186 for slip-on restraints, 33 14 13 13-1202 for slip-on restraint harnesses.

33 05 16 Cast-Iron Utility Pipe (33 05)

See CSI section 22 13 16 00-0019 for cast iron utility piping.

33 05 17 Copper Utility Pipe and Tubing (33 05)

See CSI section 33 14 13 39-0000 for copper utility piping.

33 05 19 Ductile-Iron Utility Pipe (33 05)

See CSI section 33 14 13 13-0000 for ductile iron utility piping.

33 05 24 Steel Utility Pipe (33 05)**33 05 24 23 Steel Pipe for Water Service** (33 05 24)

See CSI section 33 14 13 26-0000 for galvanized steel utility piping, 33 14 13 36-0000 for steel utility piping.

33 05 27 Corrugated Metal Utility Pipe (33 05)**33 05 27 13 Corrugated Metal Culvert Pipe** (33 05 27)

See CSI section 33 42 11 00-0452 for corrugated metal culvert pipe.

33 05 27 23 Corrugated Metal Slotted Pipe (33 05 27)

See CSI section 33 41 16 13-0085 for corrugated metal slotted pipe.

33 05 27 33 Corrugated Metal Culvert Arch Pipe (33 05 27)

See CSI section 33 42 11 00-0796 for corrugated metal culvert arch pipe.

33 05 31 Thermoplastic Utility Pipe (33 05)**33 05 31 11 Polyvinyl Chloride Gravity Sewer Pipe** (33 05 31)

See CSI section 33 31 11 00-0000 for polyvinyl chloride gravity sewer pipe.

33 05 31 13 Polyvinyl Chloride Pressure Pipe (33 05 31)

See CSI section 33 14 13 23-0001 for polyvinyl chloride pressure pipe.

33 05 31 16 Polyvinyl Chloride Pressure Pipe for Water Transmission and Distribution (AWWA C900 and AWWA C905) (33 05 31)

See CSI section 33 14 13 23-0285 for AWWA C900 and 905 polyvinyl chloride pressure pipe.

33 05 33 Polyethylene Utility Pipe (33 05)**33 05 33 13 Corrugated-Wall, Smooth Interior HDPE Gravity Pipe** (33 05 33)

See CSI section 33 42 11 00-0193 for corrugated-wall smooth interior HDPE gravity pipe.

33 05 33 23 Polyethylene Pressure Pipe and Tubing (AWWA C901 and AWWA C906) (33 05)

MINOR	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI			UNIT COST	UNIT COST

33 05 33 33		See CSI section 33 14 13 23-0540 for AWWA C906 high-density polyethylene pipe. Corrugated, Perforated HDPE Drainage Pipe (33 05 33) See CSI section 33 42 11 00-0215 for corrugated perforated HDPE drainage pipe.		
33 05 33 36		Corrugated, Non-Perforated HDPE Drainage Pipe (33 05 33) See CSI section 33 41 16 13-0002 for corrugated non-perforated HDPE drainage pipe.		
33 05 33 53		HDPE Gas Utility Pipe (33 05 33) See CSI section 33 52 16 26-0001 for high-density polyethylene gas utility pipe.		
33 05 33 56		Medium-Density Polyethylene Gas Utility Pipe (33 05 33) See CSI section 33 52 16 23-0000 for Medium-Density Polyethylene Gas Utility Pipe.		
33 05 33 63		HDPE Communication Duct (33 05 33)		
33 05 33 63-0001		ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine (33 05 33 63) Note: Excludes boring.		
33 05 33 63-0002	LF	1" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine.....	3.76	
		For Up To 250, Add.....	0.13	
		For >250 To 500, Add.....	0.08	
33 05 33 63-0003	LF	1-1/4" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine.....	4.22	
		For Up To 250, Add.....	0.15	
		For >250 To 500, Add.....	0.10	
33 05 33 63-0004	LF	1-1/2" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine.....	4.58	
		For Up To 250, Add.....	0.18	
		For >250 To 500, Add.....	0.12	
33 05 33 63-0005	LF	2" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine.....	5.04	
		For Up To 250, Add.....	0.21	
		For >250 To 500, Add.....	0.14	
33 05 33 63-0006	LF	3" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine.....	6.85	
		For Up To 250, Add.....	0.44	
		For >250 To 500, Add.....	0.29	
33 05 33 63-0007	LF	4" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine.....	8.72	
		For Up To 250, Add.....	0.67	
		For >250 To 500, Add.....	0.45	
33 05 33 63-0008	LF	1" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine.....	3.85	
		For Up To 250, Add.....	0.14	
		For >250 To 500, Add.....	0.09	
33 05 33 63-0009	LF	1-1/4" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine.....	4.38	
		For Up To 250, Add.....	0.18	
		For >250 To 500, Add.....	0.12	
33 05 33 63-0010	LF	1-1/2" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine.....	4.71	
		For Up To 250, Add.....	0.20	
		For >250 To 500, Add.....	0.13	
33 05 33 63-0011	LF	2" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine.....	5.38	
		For Up To 250, Add.....	0.26	
		For >250 To 500, Add.....	0.17	
33 05 33 63-0012	LF	3" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine.....	7.60	
		For Up To 250, Add.....	0.55	
		For >250 To 500, Add.....	0.37	
33 05 33 63-0013	LF	4" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine.....	9.66	
		For Up To 250, Add.....	0.81	
		For >250 To 500, Add.....	0.54	

33 05 39 Concrete Pipe (33 05)

33 05 39 13 **Prestressed Concrete Pressure Pipe, Steel-Cylinder Type (AWWA C301)** (33 05)

See CSI section 33 42 11 00-0080 for prestressed concrete pressure pipe.

33 05 39 41 **Reinforced Concrete Pipe for Sewers and Culverts** (33 05 39)

See CSI section 33 42 11 00-0001 for reinforced concrete pipe.

33 05 39 46 **Reinforced Concrete Elliptical Pipe for Sewers and Culverts** (33 05 39)

See CSI section 33 42 11 00-0019 for reinforced concrete elliptical pipe.

33 05 41 Vitrified Clay Utility Pipe (33 05)

See CSI section 33 42 11 00-0319 for vitrified clay piping.

33 05 61 Concrete Manholes (33 05)

33 05 61 00-0001 **Manholes** (33 05 61)

33 05 61 00-0002 **Precast Concrete Manholes** (33 05 61 00-0001)

Note: Includes base, riser(s), reducer and openings. Excludes excavation, aggregate, backfill and frame/cover.

See CSI section 33 05 84 00-0002 for top slabs.

33 05 61 00-0003 **3' Diameter, Precast Concrete Manholes** (33 05 61 00-0002)

33 Utilities**33 05 Common Work Results for Utilities****33 05 61 Concrete Manholes**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
33 05 61 00-0004	EA 4' Deep, 3' Diameter, Precast Concrete Manhole..... For Bitumastic Coating, Add For Epoxy Coating, Add	1,750.67 82.02 156.73		305.07	
33 05 61 00-0005	EA 6' Deep, 3' Diameter, Precast Concrete Manhole..... For Bitumastic Coating, Add For Epoxy Coating, Add	2,383.84 123.03 235.10		438.19	
33 05 61 00-0006	EA 8' Deep, 3' Diameter, Precast Concrete Manhole..... For Bitumastic Coating, Add For Epoxy Coating, Add	3,205.58 164.04 313.46		665.60	
33 05 61 00-0007	VLF Riser For 3' Diameter, Precast Concrete Manhole..... Note: For depths greater than 8'. For Bitumastic Coating, Add For Epoxy Coating, Add	338.76 20.50 39.18		77.66	
33 05 61 00-0008	VLF Drop Collar For 3' Diameter, Precast Concrete Manhole.....	365.67		77.66	
33 05 61 00-0009	EA Drop Base For 3' Diameter, Precast Concrete Manhole.....	589.63		77.66	
33 05 61 00-0010	EA Extended Base Slab For 3' Diameter, Precast Concrete Manhole.....	469.36		77.66	
33 05 61 00-0011	EA Precast Channel For 3' Diameter, Precast Concrete Manhole	674.20		77.66	
33 05 61 00-0012 4' Diameter, Precast Concrete Manholes (33 05 61 00-0002)					
33 05 61 00-0013	EA 4' Deep, 4' Diameter, Precast Concrete Manhole..... For Bitumastic Coating, Add For Epoxy Coating, Add	2,620.39 82.02 156.73		349.44	
33 05 61 00-0014	EA 6' Deep, 4' Diameter, Precast Concrete Manhole..... For Bitumastic Coating, Add For Epoxy Coating, Add	3,494.99 123.03 235.10		477.02	
33 05 61 00-0015	EA 8' Deep, 4' Diameter, Precast Concrete Manhole..... For Bitumastic Coating, Add For Epoxy Coating, Add	4,592.38 164.04 313.46		721.07	
33 05 61 00-0016	VLF Riser For 4' Diameter, Precast Concrete Manhole..... Note: For depths greater than 8'. For Bitumastic Coating, Add For Epoxy Coating, Add	488.60 20.50 39.18		91.52	
33 05 61 00-0017	VLF Drop Collar For 4' Diameter, Precast Concrete Manhole.....	533.84		91.52	
33 05 61 00-0018	EA Drop Base For 4' Diameter, Precast Concrete Manhole.....	910.23		91.52	
33 05 61 00-0019	EA Extended Base Slab For 4' Diameter, Precast Concrete Manhole.....	708.10		91.52	
33 05 61 00-0020	EA Precast Channel For 4' Diameter, Precast Concrete Manhole	1,052.40		91.52	
33 05 61 00-0021 5' Diameter, Precast Concrete Manholes (33 05 61 00-0002)					
33 05 61 00-0022	EA 4' Deep, 5' Diameter, Precast Concrete Manhole..... For Bitumastic Coating, Add For Epoxy Coating, Add	4,988.01 105.68 252.67		388.27	
33 05 61 00-0023	EA 6' Deep, 5' Diameter, Precast Concrete Manhole..... For Bitumastic Coating, Add For Epoxy Coating, Add	6,639.78 158.51 379.00		532.49	
33 05 61 00-0024	EA 8' Deep, 5' Diameter, Precast Concrete Manhole..... For Bitumastic Coating, Add For Epoxy Coating, Add	8,538.46 211.35 505.33		798.72	
33 05 61 00-0025	VLF Riser For 5' Diameter, Precast Concrete Manhole..... Note: For depths greater than 8'. For Bitumastic Coating, Add For Epoxy Coating, Add	883.09 26.42 63.17		99.84	
33 05 61 00-0026 6' Diameter, Precast Concrete Manholes (33 05 61 00-0002)					
33 05 61 00-0027	EA 4' Deep, 6' Diameter, Precast Concrete Manhole..... For Bitumastic Coating, Add For Epoxy Coating, Add	6,714.83 120.98 295.81		432.64	
33 05 61 00-0028	EA 6' Deep, 6' Diameter, Precast Concrete Manhole..... For Bitumastic Coating, Add For Epoxy Coating, Add	8,739.00 181.48 443.71		587.95	
33 05 61 00-0029	EA 8' Deep, 6' Diameter, Precast Concrete Manhole..... For Bitumastic Coating, Add For Epoxy Coating, Add	11,039.64 241.97 591.61		887.47	
33 05 61 00-0030	VLF Riser For 6' Diameter, Precast Concrete Manhole..... Note: For depths greater than 8'. For Bitumastic Coating, Add For Epoxy Coating, Add	1,075.21 30.25 73.95		110.93	
33 05 61 00-0031 7' Diameter, Precast Concrete Manholes (33 05 61 00-0002)					
33 05 61 00-0032	EA 4' Deep, 7' Diameter, Precast Concrete Manhole..... For Bitumastic Coating, Add For Epoxy Coating, Add	10,636.44 257.28 516.90		477.02	
33 05 61 00-0033	EA 6' Deep, 7' Diameter, Precast Concrete Manhole..... For Bitumastic Coating, Add For Epoxy Coating, Add	13,746.18 385.91 775.35		650.63	
33 05 61 00-0034	EA 8' Deep, 7' Diameter, Precast Concrete Manhole..... For Bitumastic Coating, Add For Epoxy Coating, Add	17,159.86 514.55 1,033.80		976.22	
33 05 61 00-0035	VLF Riser For 7' Diameter, Precast Concrete Manhole..... Note: For depths greater than 8'. For Bitumastic Coating, Add For Epoxy Coating, Add	1,625.31 64.32 129.22		122.03	
33 05 61 00-0036 8' Diameter, Precast Concrete Manholes (33 05 61 00-0002)					

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 61 00-0037	EA	4' Deep, 8' Diameter, Precast Concrete Manhole For Bitumastic Coating, Add For Epoxy Coating, Add	15,427.85 304.16 630.05	549.12
33 05 61 00-0038	EA	6' Deep, 8' Diameter, Precast Concrete Manhole For Bitumastic Coating, Add For Epoxy Coating, Add	19,995.35 456.23 945.08	748.80
33 05 61 00-0039	EA	8' Deep, 8' Diameter, Precast Concrete Manhole For Bitumastic Coating, Add For Epoxy Coating, Add	24,912.27 608.31 1,260.11	1,123.21
33 05 61 00-0040	VLF	Riser For 8' Diameter, Precast Concrete Manhole Note: For depths greater than 8'. For Bitumastic Coating, Add For Epoxy Coating, Add	2,361.40 76.04 157.51	138.67

33 05 63 Concrete Vaults and Chambers (33 05)

33 05 63 00-0001 Underground Utility Vaults And Structures (33 05 63)
See CSI section 33 05 61 00-0001 for manholes, 33 05 81 00-0006 for frames and covers.

33 05 63 00-0002 Precast Concrete Underground Utility Vault (33 05 63 00-0001)
Note: Sizes given are for inside dimensions.

33 05 63 00-0003 6' High Precast Concrete Underground Utility Vault (33 05 63 00-0002)

33 05 63 00-0004	EA	4' x 4' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	3,584.39	
33 05 63 00-0005	EA	4' x 6' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	4,672.29	
33 05 63 00-0006	EA	5' x 10' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	7,708.18	
33 05 63 00-0007	EA	5' x 12' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	8,900.36	
33 05 63 00-0008	EA	6' x 6' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	5,970.95	
33 05 63 00-0009	EA	6' x 8' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	7,268.48	
33 05 63 00-0010	EA	6' x 10' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	8,567.15	
33 05 63 00-0011	EA	6' x 12' x 6' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	12,377.88	
33 05 63 00-0012	EA	6' x 14' x 6' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	12,377.88	
33 05 63 00-0013	EA	6' x 16' x 6' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	15,585.70	
33 05 63 00-0014	EA	8' x 8' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	8,777.94	
33 05 63 00-0015	EA	8' x 10' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	10,286.28	
33 05 63 00-0016	EA	8' x 12' x 6' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	14,703.36	
33 05 63 00-0017	EA	8' x 14' x 6' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	16,548.56	

33 05 63 00-0018 7' High Precast Concrete Underground Utility Vault (33 05 63 00-0002)

33 05 63 00-0019	EA	4' x 4' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	3,725.73	
33 05 63 00-0020	EA	4' x 6' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	4,837.71	
33 05 63 00-0021	EA	4' x 8' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	6,301.52	
33 05 63 00-0022	EA	5' x 10' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	8,384.88	
33 05 63 00-0023	EA	5' x 12' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	9,668.01	
33 05 63 00-0024	EA	6' x 6' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	6,148.68	
33 05 63 00-0025	EA	6' x 8' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	7,900.84	
33 05 63 00-0026	EA	6' x 10' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	8,770.67	
33 05 63 00-0027	EA	6' x 12' x 7' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	13,460.58	
33 05 63 00-0028	EA	6' x 16' x 7' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	16,909.13	
33 05 63 00-0029	EA	8' x 8' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	9,500.10	
33 05 63 00-0030	EA	8' x 10' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	11,098.31	
33 05 63 00-0031	EA	8' x 12' x 7' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	15,907.07	
33 05 63 00-0032	EA	8' x 14' x 7' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	17,870.86	
33 05 63 00-0033	EA	10' x 10' x 7' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	16,146.96	

33 05 63 00-0034 8' High Precast Concrete Underground Utility Vault (33 05 63 00-0002)

33 Utilities**33 05 Common Work Results for Utilities****33 05 63 Concrete Vaults and Chambers**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 05 63 00-0035	EA	4' x 4' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	4,306.57	
33 05 63 00-0036	EA	4' x 6' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	5,575.29	
33 05 63 00-0037	EA	5' x 10' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	9,061.57	
33 05 63 00-0038	EA	5' x 12' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	10,434.55	
33 05 63 00-0039	EA	6' x 6' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	7,053.65	
33 05 63 00-0040	EA	6' x 8' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	8,532.05	
33 05 63 00-0041	EA	6' x 10' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	10,010.44	
33 05 63 00-0042	EA	6' x 12' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	14,543.25	
33 05 63 00-0043	EA	6' x 16' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	18,232.60	
33 05 63 00-0044	EA	8' x 8' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	10,221.18	
33 05 63 00-0045	EA	8' x 10' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	11,910.32	
33 05 63 00-0046	EA	8' x 12' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	17,109.55	
33 05 63 00-0047	EA	8' x 14' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	19,194.32	
33 05 63 00-0048	EA	10' x 10' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	17,350.28	
33 05 63 00-0049		10' High Precast Concrete Underground Utility Vault (33 05 63 00-0002)		
33 05 63 00-0050	EA	6' x 6' x 10' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	7,595.02	
33 05 63 00-0051	EA	6' x 8' x 10' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	9,163.24	
33 05 63 00-0052	EA	10' x 10' x 10' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	18,552.73	
33 05 63 00-0053		12' High Precast Concrete Underground Utility Vault (33 05 63 00-0002)		
33 05 63 00-0054	EA	6' x 6' x 12' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	8,136.38	
33 05 63 00-0055	EA	6' x 8' x 12' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	9,795.57	
33 05 63 00-0056		Meter Pit (33 05 63 00-0001)		
33 05 63 00-0057		Precast Concrete Meter Pit (33 05 63 00-0056)		
33 05 63 00-0058	EA	4' x 4' x 4' Deep Precast Concrete Meter Pit.....	3,538.65	
33 05 63 00-0059	EA	4' x 4' x 6' Deep Precast Concrete Meter Pit.....	4,803.31	
33 05 63 00-0060	EA	4' x 4' x 8' Deep Precast Concrete Meter Pit.....	6,037.93	
33 05 63 00-0061	EA	4' x 4' x 10' Deep Precast Concrete Meter Pit.....	7,485.10	
33 05 63 00-0062	EA	4' x 4' x 15' Deep Precast Concrete Meter Pit.....	10,359.79	
33 05 63 00-0063	EA	6' x 6' x 4' Deep Precast Concrete Meter Pit.....	5,370.65	
33 05 63 00-0064	EA	6' x 6' x 6' Deep Precast Concrete Meter Pit.....	7,485.10	
33 05 63 00-0065	EA	6' x 6' x 8' Deep Precast Concrete Meter Pit.....	9,651.03	
33 05 63 00-0066	EA	6' x 6' x 10' Deep Precast Concrete Meter Pit.....	12,039.71	
33 05 63 00-0067	EA	6' x 6' x 15' Deep Precast Concrete Meter Pit.....	17,153.16	
33 05 63 00-0068		Handhole Or Pull Box Enclosures (33 05 63 00-0001)		
33 05 63 00-0069		Polymer Concrete Handhole Enclosures (33 05 63 00-0068)		
33 05 63 00-0070		Polymer Concrete Handhole Enclosures (33 05 63 00-0069) Note: Excludes cover See CSI section 33 05 63 00-0290 for covers.		
33 05 63 00-0071		Flared Sides, Polymer Concrete Handhole Enclosures (33 05 63 00-0070)		
33 05 63 00-0072		Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosures (33 05 63 00-0071)		
33 05 63 00-0073	EA	12" x 12", 24" Depth, 15,000 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	379.71	24.22
33 05 63 00-0074	EA	10" x 15", 18" Depth, 15,000 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	318.44	53.80
33 05 63 00-0075	EA	13" x 24", 18" Depth, 15,000 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	486.60	80.70
33 05 63 00-0076	EA	17" x 30", 18" Depth, 15,000 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	569.36	80.70
33 05 63 00-0077	EA	13" x 24", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	542.02	80.70
33 05 63 00-0078	EA	13" x 24", 26" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	661.38	80.70
33 05 63 00-0079	EA	17" x 30", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	643.37	80.70
33 05 63 00-0080	EA	17" x 30", 26" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	885.07	80.70

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 05 63 00-0081	EA	27" Round, 36" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,259.11	107.60
33 05 63 00-0082	EA	27" Round, 48" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,779.27	107.60
33 05 63 00-0083	EA	24" x 36", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,128.72	147.95
33 05 63 00-0084	EA	24" x 36", 26" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,291.62	147.95
33 05 63 00-0085	EA	24" x 36", 48" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	2,139.01	147.95
33 05 63 00-0086	EA	39" Round, 18" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,204.35	161.40
33 05 63 00-0087	EA	39" Round, 24" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,737.93	161.40
33 05 63 00-0088	EA	39" Round, 36" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	2,174.27	161.40
33 05 63 00-0089	EA	39" Round, 48" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	3,206.29	161.40
33 05 63 00-0090	EA	30" x 48", 24" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,735.64	248.33
33 05 63 00-0091	EA	30" x 48", 48" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	2,538.71	248.33

33 05 63 00-0092 Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosures (33 05 63 00-0071)

33 05 63 00-0093	EA	12" x 12", 24" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	487.83	24.22
33 05 63 00-0094	EA	13" x 24", 18" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	615.37	80.70
33 05 63 00-0095	EA	17" x 30", 18" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	748.59	80.70
33 05 63 00-0096	EA	13" x 24", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	688.96	80.70
33 05 63 00-0097	EA	13" x 24", 26" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	790.98	80.70
33 05 63 00-0098	EA	17" x 30", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	817.73	80.70
33 05 63 00-0099	EA	17" x 30", 26" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,060.94	80.70
33 05 63 00-0100	EA	24" x 36", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,402.56	147.95
33 05 63 00-0101	EA	24" x 36", 26" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,565.45	147.95
33 05 63 00-0102	EA	24" x 36", 48" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	2,412.87	147.95
33 05 63 00-0103	EA	30" x 48", 24" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	2,055.64	248.33
33 05 63 00-0104	EA	30" x 48", 48" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	2,864.80	248.33

33 05 63 00-0105 Straight Sides, Polymer Concrete Handhole Enclosures (33 05 63 00-0070)

33 05 63 00-0106 Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosures (33 05 63 00-0105)

33 05 63 00-0107	EA	5" x 16", 12" Depth, 5,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	626.97	24.22
33 05 63 00-0108	EA	10" x 12", 15" Depth, 5,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	529.11	24.22
33 05 63 00-0109	EA	13" x 24", 12" Depth, 5,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	414.38	80.70
33 05 63 00-0110	EA	17" x 30", 12" Depth, 5,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	472.12	80.70
33 05 63 00-0111	EA	6" x 8", 6" Depth, 15,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	142.56	24.22
33 05 63 00-0112	EA	12" x 12", 12" Depth, 15,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	224.39	24.22
33 05 63 00-0113	EA	8" x 18", 7" Depth, 15,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	366.42	24.22
33 05 63 00-0114	EA	8" x 18", 8" Depth, 15,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	383.61	24.22
33 05 63 00-0115	EA	11" x 18", 12" Depth, 15,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	312.44	53.80
33 05 63 00-0116	EA	11" x 18", 18" Depth, 15,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	338.81	53.80
33 05 63 00-0117	EA	8" x 8", 12" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	220.88	24.22
33 05 63 00-0118	EA	8" x 8", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	253.08	24.22
33 05 63 00-0119	EA	11" x 18", 12" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	336.07	53.80
33 05 63 00-0120	EA	11" x 18", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	380.40	53.80
33 05 63 00-0121	EA	11" x 20", 12" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	351.70	53.80
33 05 63 00-0122	EA	13" x 24", 12" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	417.07	80.70
33 05 63 00-0123	EA	13" x 24", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	460.54	80.70
33 05 63 00-0124	EA	17" x 30", 12" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	492.88	80.70
33 05 63 00-0125	EA	17" x 30", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	541.58	80.70

33 Utilities**33 05 Common Work Results for Utilities****33 05 63 Concrete Vaults and Chambers**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 05 63 00-0126	EA	17" x 30", 22" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	638.69	80.70
33 05 63 00-0127	EA	17" x 30", 24" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	697.59	80.70
33 05 63 00-0128	EA	17" x 30", 28" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	762.06	80.70
33 05 63 00-0129	EA	17" x 30", 30" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	802.59	80.70
33 05 63 00-0130	EA	24" x 24", 24" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	953.56	107.60
33 05 63 00-0131	EA	24" x 36", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	952.26	147.95
33 05 63 00-0132	EA	24" x 36", 24" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,234.57	147.95
33 05 63 00-0133	EA	24" x 36", 30" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,495.25	147.95
33 05 63 00-0134	EA	24" x 36", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,659.87	147.95
33 05 63 00-0135	EA	24" x 36", 42" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,823.62	147.95
33 05 63 00-0136	EA	36" x 36", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,048.94	248.33
33 05 63 00-0137	EA	30" x 48", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,471.84	248.33
33 05 63 00-0138	EA	30" x 48", 24" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,680.92	248.33
33 05 63 00-0139	EA	30" x 48", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,080.74	248.33
33 05 63 00-0140	EA	30" x 60", 21" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,076.63	248.33
33 05 63 00-0141	EA	30" x 60", 30" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,225.87	248.33
33 05 63 00-0142	EA	30" x 60", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,512.89	248.33
33 05 63 00-0143	EA	36" x 60", 19" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,300.25	266.07
33 05 63 00-0144	EA	36" x 60", 24" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,502.90	266.07
33 05 63 00-0145	EA	36" x 60", 31" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,761.61	266.07
33 05 63 00-0146	EA	36" x 60", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,865.13	266.07
33 05 63 00-0147	EA	48" x 48", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,901.11	266.07
33 05 63 00-0148	EA	48" x 48", 48" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	3,295.32	266.07
33 05 63 00-0149	EA	36" x 72", 21" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,529.76	266.07
33 05 63 00-0150	EA	36" x 72", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	3,360.37	266.07
33 05 63 00-0151	EA	48" x 72", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	3,786.99	283.81
33 05 63 00-0152	EA	48" x 72", 48" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	4,690.73	283.81
33 05 63 00-0153	EA	48" x 96", 48" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	6,037.59	283.81

33 05 63 00-0154 Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosures

(33 05 63 00-0105)

33 05 63 00-0155	EA	13" x 24", 12" Depth, 5,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	564.30	80.70
33 05 63 00-0156	EA	17" x 30", 12" Depth, 5,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	649.96	80.70
33 05 63 00-0157	EA	6" x 8", 6" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	245.22	24.22
33 05 63 00-0158	EA	12" x 12", 12" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	357.07	24.22
33 05 63 00-0159	EA	8" x 18", 7" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	480.70	24.22
33 05 63 00-0160	EA	8" x 18", 8" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	497.91	24.22
33 05 63 00-0161	EA	10" x 15", 18" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	425.01	53.80
33 05 63 00-0162	EA	11" x 18", 12" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	443.36	53.80
33 05 63 00-0163	EA	11" x 18", 18" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	467.89	53.80
33 05 63 00-0164	EA	8" x 8", 12" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	332.82	24.22
33 05 63 00-0165	EA	8" x 8", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	394.39	24.22
33 05 63 00-0166	EA	11" x 18", 12" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	467.30	53.80
33 05 63 00-0167	EA	11" x 18", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	511.63	53.80
33 05 63 00-0168	EA	11" x 20", 12" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	484.33	53.80

MINOR			TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT	COST	UNIT COST
33 05 63 00-0169	EA	13" x 24", 12" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	563.47		80.70
33 05 63 00-0170	EA	13" x 24", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	607.49		80.70
33 05 63 00-0171	EA	17" x 30", 12" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	667.58		80.70
33 05 63 00-0172	EA	17" x 30", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	715.97		80.70
33 05 63 00-0173	EA	17" x 30", 22" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	812.80		80.70
33 05 63 00-0174	EA	17" x 30", 24" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	871.96		80.70
33 05 63 00-0175	EA	17" x 30", 28" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	936.14		80.70
33 05 63 00-0176	EA	17" x 30", 30" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	976.96		80.70
33 05 63 00-0177	EA	24" x 24", 24" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,194.43		107.60
33 05 63 00-0178	EA	24" x 36", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,226.12		147.95
33 05 63 00-0179	EA	24" x 36", 24" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,508.09		147.95
33 05 63 00-0180	EA	24" x 36", 30" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,768.48		147.95
33 05 63 00-0181	EA	24" x 36", 36" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,932.85		147.95
33 05 63 00-0182	EA	24" x 36", 42" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,097.14		147.95
33 05 63 00-0183	EA	30" x 48", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,788.81		248.33
33 05 63 00-0184	EA	30" x 48", 24" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,998.21		248.33
33 05 63 00-0185	EA	30" x 48", 36" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,397.71		248.33
33 05 63 00-0186 Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosures (33 05 63 00-0105)					
33 05 63 00-0187	EA	13" x 24", 12" Depth, 5,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	516.43		80.70
33 05 63 00-0188	EA	17" x 30", 12" Depth, 5,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	604.46		80.70
33 05 63 00-0189	EA	6" x 8", 6" Depth, 15,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	179.78		24.22
33 05 63 00-0190	EA	12" x 12", 12" Depth, 15,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	299.61		24.22
33 05 63 00-0191	EA	8" x 18", 7" Depth, 15,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	432.88		24.22
33 05 63 00-0192	EA	8" x 18", 8" Depth, 15,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	450.40		24.22
33 05 63 00-0193	EA	11" x 18", 12" Depth, 15,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	393.53		53.80
33 05 63 00-0194	EA	11" x 18", 18" Depth, 15,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	444.55		53.80
33 05 63 00-0195	EA	8" x 8", 18" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	261.46		24.22
33 05 63 00-0196	EA	11" x 18", 12" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	418.60		53.80
33 05 63 00-0197	EA	11" x 18", 18" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	482.16		53.80
33 05 63 00-0198	EA	11" x 20", 12" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	435.12		53.80
33 05 63 00-0199	EA	13" x 24", 12" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	556.72		80.70
33 05 63 00-0200	EA	13" x 24", 18" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	643.62		80.70
33 05 63 00-0201	EA	17" x 30", 12" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	672.52		80.70
33 05 63 00-0202	EA	17" x 30", 18" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	741.33		80.70
33 05 63 00-0203	EA	17" x 30", 22" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	804.63		80.70
33 05 63 00-0204	EA	17" x 30", 24" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	864.39		80.70
33 05 63 00-0205	EA	17" x 30", 28" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	971.40		80.70
33 05 63 00-0206	EA	17" x 30", 30" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	986.31		80.70
33 05 63 00-0207	EA	24" x 24", 24" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,213.10		107.60
33 05 63 00-0208	EA	24" x 36", 18" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,250.31		147.95
33 05 63 00-0209	EA	24" x 36", 24" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,561.73		147.95
33 05 63 00-0210	EA	24" x 36", 30" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,869.70		147.95
33 05 63 00-0211	EA	24" x 36", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,074.26		147.95
33 05 63 00-0212	EA	24" x 36", 42" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,278.82		147.95
33 05 63 00-0213	EA	36" x 36", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,430.07		248.33

33 Utilities**33 05 Common Work Results for Utilities****33 05 63 Concrete Vaults and Chambers**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 05 63 00-0214	EA	30" x 48", 18" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,852.99	248.33
33 05 63 00-0215	EA	30" x 48", 24" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,078.38	248.33
33 05 63 00-0216	EA	30" x 48", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,477.91	248.33
33 05 63 00-0217	EA	30" x 60", 21" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,654.14	248.33
33 05 63 00-0218	EA	30" x 60", 30" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,709.33	248.33
33 05 63 00-0219	EA	30" x 60", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	3,244.69	248.33
33 05 63 00-0220	EA	36" x 60", 19" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	3,000.83	266.07
33 05 63 00-0221	EA	36" x 60", 24" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	3,105.54	266.07
33 05 63 00-0222	EA	36" x 60", 31" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	3,402.56	266.07
33 05 63 00-0223	EA	36" x 60", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	3,627.36	266.07
33 05 63 00-0224	EA	36" x 72", 21" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	3,326.88	266.07
33 05 63 00-0225	EA	36" x 72", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	4,130.85	266.07
33 05 63 00-0226	EA	48" x 48", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	3,577.19	266.07
33 05 63 00-0227	EA	48" x 48", 48" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	3,937.92	266.07
33 05 63 00-0228	EA	48" x 72", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	4,779.24	283.81
33 05 63 00-0229	EA	48" x 72", 48" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	5,683.34	283.81
33 05 63 00-0230	EA	48" x 96", 48" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	7,689.70	283.81

33 05 63 00-0231 Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosures

(33 05 63 00-0105)

33 05 63 00-0232	EA	13" x 24", 12" Depth, 5,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	666.32	80.70
33 05 63 00-0233	EA	17" x 30", 12" Depth, 5,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	782.63	80.70
33 05 63 00-0234	EA	6" x 8", 6" Depth, 15,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	281.62	24.22
33 05 63 00-0235	EA	12" x 12", 12" Depth, 15,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	432.03	24.22
33 05 63 00-0236	EA	8" x 18", 7" Depth, 15,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	546.92	24.22
33 05 63 00-0237	EA	8" x 18", 8" Depth, 15,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	564.68	24.22
33 05 63 00-0238	EA	11" x 18", 12" Depth, 15,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	524.76	53.80
33 05 63 00-0239	EA	11" x 18", 18" Depth, 15,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	575.47	53.80
33 05 63 00-0240	EA	8" x 8", 18" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	406.98	24.22
33 05 63 00-0241	EA	11" x 18", 12" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	549.23	53.80
33 05 63 00-0242	EA	11" x 18", 18" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	612.79	53.80
33 05 63 00-0243	EA	11" x 20", 12" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	530.29	53.80
33 05 63 00-0244	EA	13" x 24", 12" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	703.72	80.70
33 05 63 00-0245	EA	13" x 24", 18" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	790.62	80.70
33 05 63 00-0246	EA	17" x 30", 12" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	846.89	80.70
33 05 63 00-0247	EA	17" x 30", 18" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	915.72	80.70
33 05 63 00-0248	EA	17" x 30", 22" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	979.00	80.70
33 05 63 00-0249	EA	17" x 30", 24" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,038.79	80.70
33 05 63 00-0250	EA	17" x 30", 28" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,145.82	80.70
33 05 63 00-0251	EA	17" x 30", 30" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,160.68	80.70
33 05 63 00-0252	EA	24" x 24", 24" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,453.66	107.60
33 05 63 00-0253	EA	24" x 36", 18" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,524.14	147.95
33 05 63 00-0254	EA	24" x 36", 24" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,835.27	147.95
33 05 63 00-0255	EA	24" x 36", 30" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,142.91	147.95
33 05 63 00-0256	EA	24" x 36", 36" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,347.63	147.95

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0257	EA	24" x 36", 42" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,552.34	147.95
33 05 63 00-0258	EA	30" x 48", 18" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,170.25	248.33
33 05 63 00-0259	EA	30" x 48", 24" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,395.95	248.33
33 05 63 00-0260	EA	30" x 48", 36" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,795.20	248.33
33 05 63 00-0261 Footed, Straight Sides, Polymer Concrete Handhole Enclosures (33 05 63 00-0105)				
33 05 63 00-0262	EA	17" x 30", 12" Depth, 5,000 Lb. Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure.....	552.98	80.70
33 05 63 00-0263	EA	11" x 18", 12" Depth, 15,000 Lb. Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure.....	373.68	53.80
33 05 63 00-0264	EA	11" x 18", 18" Depth, 15,000 Lb. Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure.....	422.68	53.80
33 05 63 00-0265	EA	13" x 24", 12" Depth, 15,000 Lb. Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure.....	489.36	80.70
33 05 63 00-0266	EA	11" x 18", 12" Depth, 22,500 Lb. Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure.....	389.73	53.80
33 05 63 00-0267	EA	11" x 18", 18" Depth, 22,500 Lb. Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure.....	436.67	53.80
33 05 63 00-0268 Polymer Concrete Handhole Enclosure Extensions (33 05 63 00-0069)				
Note: Excludes bases See CSI section 33 05 63 00-0070 for bases.				
33 05 63 00-0269	EA	13" x 24", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	398.12	80.70
33 05 63 00-0270	EA	17" x 30", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	449.20	80.70
33 05 63 00-0271	EA	24" x 24", 6" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	511.51	107.60
33 05 63 00-0272	EA	24" x 24", 12" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	561.65	107.60
33 05 63 00-0273	EA	24" x 36", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	659.84	147.95
33 05 63 00-0274	EA	36" x 36", 12" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	1,174.38	248.33
33 05 63 00-0275	EA	30" x 48", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	1,119.56	248.33
33 05 63 00-0276	EA	30" x 48", 11" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	1,131.53	248.33
33 05 63 00-0277	EA	36" x 60", 12" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	1,542.81	266.07
33 05 63 00-0278	EA	48" x 72", 12" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	2,481.86	283.81
33 05 63 00-0279	EA	48" x 96", 12" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	3,278.23	283.81
33 05 63 00-0280	EA	13" x 24", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension.....	666.11	80.70
33 05 63 00-0281	EA	17" x 30", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension.....	697.31	80.70
33 05 63 00-0282	EA	24" x 24", 6" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension.....	740.11	107.60
33 05 63 00-0283	EA	24" x 24", 12" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension.....	790.80	107.60
33 05 63 00-0284	EA	24" x 36", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension.....	910.57	147.95
33 05 63 00-0285	EA	30" x 48", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension.....	1,473.88	248.33
33 05 63 00-0286	EA	13" x 24", 3" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension	513.58	80.70
33 05 63 00-0287	EA	17" x 30", 3" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension	575.13	80.70
33 05 63 00-0288	EA	24" x 36", 4" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension	748.14	147.95
33 05 63 00-0289	EA	36" x 60", 3" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension	1,484.11	266.07
33 05 63 00-0290 Polymer Concrete Handhole Enclosure Covers (33 05 63 00-0069)				
33 05 63 00-0291 Polymer Concrete Handhole Enclosure Covers (33 05 63 00-0290)				
33 05 63 00-0292	EA	5" x 16", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	146.77	10.77
33 05 63 00-0293	EA	10" x 12", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	148.73	10.77
33 05 63 00-0294	EA	12" x 12", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	137.49	10.77
33 05 63 00-0295	EA	8" x 18", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	149.12	10.77
33 05 63 00-0296	EA	11" x 18", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	150.62	10.76
33 05 63 00-0297	EA	13" x 24", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	173.52	10.76
33 05 63 00-0298	EA	17" x 30", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	201.85	10.76
33 05 63 00-0299	EA	30" x 59", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,342.52	31.92
33 05 63 00-0300	EA	30" x 60", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,173.61	31.92
33 05 63 00-0301	EA	36" x 60", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,761.96	31.92
33 05 63 00-0302	EA	48" x 48", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,782.01	31.92
33 05 63 00-0303	EA	36" x 72", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	2,020.07	31.92
33 05 63 00-0304	EA	48" x 72", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	2,201.91	31.92
33 05 63 00-0305	EA	48" x 96", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	3,544.45	31.92
33 05 63 00-0306	EA	10" x 15", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	125.00	10.76
33 05 63 00-0307	EA	11" x 18", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	181.22	10.76
33 05 63 00-0308	EA	11" x 20", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	183.83	10.76
33 05 63 00-0309	EA	13" x 24", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	232.55	10.76
33 05 63 00-0310	EA	13" x 24", 8,000 Lb. Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover	174.24	10.76

33 Utilities**33 05 Common Work Results for Utilities****33 05 63 Concrete Vaults and Chambers**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 05 63 00-0311	EA	17" x 30", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	276.00	10.76
33 05 63 00-0312	EA	17" x 30", 8,000 Lb. Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover	215.65	10.76
33 05 63 00-0313	EA	27" Round, 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	447.71	10.76
33 05 63 00-0314	EA	24" x 24", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	389.23	16.14
33 05 63 00-0315	EA	24" x 36", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	489.68	16.14
33 05 63 00-0316	EA	39" Round, 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	632.04	18.83
33 05 63 00-0317	EA	36" x 36", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	889.09	24.83
33 05 63 00-0318	EA	30" x 48", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	923.00	47.30
33 05 63 00-0319	EA	11" x 18", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	235.48	10.76
33 05 63 00-0320	EA	13" x 24", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	337.83	10.76
33 05 63 00-0321	EA	17" x 30", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	385.08	10.76
33 05 63 00-0322	EA	27" Round, 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	643.56	10.76
33 05 63 00-0323	EA	24" x 24", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	527.31	16.14
33 05 63 00-0324	EA	39" Round, 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	895.04	18.83
33 05 63 00-0325	EA	36" x 36", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	1,173.99	24.83
33 05 63 00-0326	EA	30" x 59", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	1,584.69	31.92
33 05 63 00-0327	EA	30" x 60", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	1,407.71	31.92
33 05 63 00-0328	EA	36" x 60", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	1,970.50	31.92
33 05 63 00-0329	EA	48" x 48", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	2,569.03	31.92
33 05 63 00-0330	EA	36" x 72", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	2,459.85	31.92
33 05 63 00-0331	EA	48" x 72", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	3,739.36	31.92
33 05 63 00-0332	EA	48" x 96", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	5,781.60	31.92
33 05 63 00-0333	EA	11" x 18", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	311.31	10.76
33 05 63 00-0334	EA	11" x 20", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	340.88	10.76
33 05 63 00-0335	EA	13" x 24", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	450.40	10.76
33 05 63 00-0336	EA	17" x 30", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	513.96	10.76
33 05 63 00-0337	EA	27" Round, 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	891.93	10.76
33 05 63 00-0338	EA	24" x 24", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	644.35	16.14
33 05 63 00-0339	EA	24" x 36", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	883.65	16.14
33 05 63 00-0340	EA	39" Round, 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	1,372.89	18.83
33 05 63 00-0341	EA	36" x 36", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	1,570.57	24.83
33 05 63 00-0342	EA	30" x 48", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	1,633.06	47.30
33 05 63 00-0343	EA	30" x 60", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	1,889.39	31.92
33 05 63 00-0344	EA	36" x 60", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	2,641.84	31.92
33 05 63 00-0345	EA	48" x 48", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	3,700.21	31.92
33 05 63 00-0346	EA	36" x 72", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	3,300.78	31.92
33 05 63 00-0347	EA	48" x 72", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	5,476.93	31.92
33 05 63 00-0348	EA	48" x 96", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	8,459.38	31.92

33 05 63 00-0349 Polymer Concrete Handhole Enclosure Covers With Gaskets (33 05 63 00-0290)

33 05 63 00-0350	EA	12" x 12", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	169.28	10.77
33 05 63 00-0351	EA	8" x 18", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	179.18	10.77
33 05 63 00-0352	EA	11" x 18", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	182.41	10.76
33 05 63 00-0353	EA	13" x 24", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	183.62	10.76
33 05 63 00-0354	EA	17" x 30", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	212.65	10.76
33 05 63 00-0355	EA	10" x 15", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	134.13	10.76
33 05 63 00-0356	EA	11" x 18", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	190.58	10.76
33 05 63 00-0357	EA	11" x 20", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	192.39	10.76
33 05 63 00-0358	EA	13" x 24", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	242.20	10.76
33 05 63 00-0359	EA	13" x 24", 8,000 Lb. Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover With Gasket	184.74	10.76
33 05 63 00-0360	EA	17" x 30", 8,000 Lb. Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover With Gasket	226.74	10.76
33 05 63 00-0361	EA	17" x 30", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	286.21	10.76
33 05 63 00-0362	EA	24" x 24", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	396.08	16.14
33 05 63 00-0363	EA	24" x 36", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	500.20	16.14
33 05 63 00-0364	EA	30" x 48", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	933.80	47.30
33 05 63 00-0365	EA	6" x 8", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	110.91	10.77
33 05 63 00-0366	EA	8" x 8", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	176.08	10.77
33 05 63 00-0367	EA	8" x 18", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	196.39	10.77
33 05 63 00-0368	EA	12" x 12", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	187.37	10.77
33 05 63 00-0369	EA	10" x 15", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	153.54	10.76
33 05 63 00-0370	EA	11" x 18", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	244.81	10.76
33 05 63 00-0371	EA	11" x 20", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	265.90	10.76
33 05 63 00-0372	EA	13" x 24", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	347.76	10.76
33 05 63 00-0373	EA	17" x 30", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	395.86	10.76
33 05 63 00-0374	EA	24" x 24", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	536.95	16.14
33 05 63 00-0375	EA	24" x 36", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	672.22	16.14
33 05 63 00-0376	EA	30" x 48", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	1,232.68	47.30

33 05 63 00-0377 Polymer Concrete Handhole Enclosure Covers Without Bolts (33 05 63 00-0290)

33 05 63 00-0378	EA	6" x 9", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	88.50	10.77
33 05 63 00-0379	EA	7" x 13", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	106.03	10.77
33 05 63 00-0380	EA	12" x 12", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	129.63	10.77
33 05 63 00-0381	EA	8" x 18", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	140.12	10.77
33 05 63 00-0382	EA	11" x 18", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	139.84	10.76
33 05 63 00-0383	EA	13" x 24", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	166.72	10.76
33 05 63 00-0384	EA	17" x 30", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	193.14	10.76
33 05 63 00-0385	EA	24" x 36", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	472.46	16.14
33 05 63 00-0386	EA	30" x 48", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	883.66	47.30
33 05 63 00-0387	EA	30" x 59", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	1,327.77	31.92
33 05 63 00-0388	EA	30" x 60", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	1,156.94	31.92
33 05 63 00-0389	EA	48" x 48", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	1,734.53	31.92

	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 05 63 00-0390	EA	36" x 60", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	1,673.45	31.92
33 05 63 00-0391	EA	36" x 72", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	2,004.15	31.92
33 05 63 00-0392	EA	48" x 72", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	2,143.08	31.92
33 05 63 00-0393	EA	48" x 96", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	3,431.39	31.92
33 05 63 00-0394	EA	10" x 15", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	120.01	10.76
33 05 63 00-0395	EA	10" x 16", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	117.09	10.76
33 05 63 00-0396	EA	11" x 20", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	174.91	10.76
33 05 63 00-0397	EA	11" x 21", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	192.62	10.76
33 05 63 00-0398	EA	13" x 24", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	218.57	10.76
33 05 63 00-0399	EA	13" x 24", 8,000 Lb. Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover Without Bolts	165.19	10.76
33 05 63 00-0400	EA	18" x 19", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	184.74	10.76
33 05 63 00-0401	EA	17" x 30", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	263.75	10.76
33 05 63 00-0402	EA	24" x 24", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	381.30	16.14
33 05 63 00-0403	EA	20" x 42", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	477.92	16.14
33 05 63 00-0404	EA	24" x 36", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	472.18	16.14
33 05 63 00-0405	EA	36" x 36", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	853.22	24.83
33 05 63 00-0406	EA	30" x 48", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	883.66	28.38

33 05 63 00-0407 Overlapping, Polymer Concrete Handhole Enclosure Covers (33 05 63 00-0290)

33 05 63 00-0408	EA	30" x 60", 5,000 Lb. Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	1,382.79	31.92
33 05 63 00-0409	EA	36" x 60", 5,000 Lb. Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	2,006.19	31.92
33 05 63 00-0410	EA	30" x 48", 8,000 Lb. Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	1,159.76	47.30
33 05 63 00-0411	EA	30" x 48", 15,000 Lb. Design Load, Heavy-Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	1,540.32	47.30
33 05 63 00-0412	EA	30" x 60", 15,000 Lb. Design Load, Heavy-Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	1,644.56	31.92
33 05 63 00-0413	EA	36" x 60", 15,000 Lb. Design Load, Heavy-Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	2,244.53	31.92

33 05 63 00-0414 Split, Polymer Concrete Handhole Enclosure Covers (33 05 63 00-0290)

33 05 63 00-0415	EA	24" x 36", 8,000 Lb. Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover	537.14	16.14
33 05 63 00-0416	EA	36" x 36", 8,000 Lb. Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover	1,001.38	24.83
33 05 63 00-0417	EA	30" x 48", 8,000 Lb. Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover	1,046.37	47.30
33 05 63 00-0418	EA	6" x 8", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover	83.62	10.77
33 05 63 00-0419	EA	8" x 8", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover	141.05	10.77
33 05 63 00-0420	EA	12" x 12", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover	155.58	10.77
33 05 63 00-0421	EA	8" x 18", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover	165.19	10.77
33 05 63 00-0422	EA	10" x 15", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover	144.49	10.76
33 05 63 00-0423	EA	11" x 20", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover	257.34	10.76
33 05 63 00-0424	EA	24" x 36", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover	721.64	16.14
33 05 63 00-0425	EA	36" x 36", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover	1,334.12	24.83
33 05 63 00-0426	EA	30" x 48", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover	1,397.46	47.30

33 05 63 00-0427 Precast Concrete Handholes With Steel Cover (33 05 63 00-0068)

Note: 8000 To 12000 pound traffic rated top. Includes cover stamped with utility (Electrical, Sewer, Water, Etc.).

33 05 63 00-0428	EA	12" x 12" x 12" Precast Concrete Handholes With Steel Cover	1,046.02	255.84
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	18.00	
33 05 63 00-0429	EA	12" x 24" x 21" Precast Concrete Handholes With Steel Cover	1,786.57	383.76
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	111.09	
33 05 63 00-0430	EA	18" x 30" x 18" Precast Concrete Handholes With Steel Cover	2,137.49	511.69
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	195.53	
33 05 63 00-0431	EA	24" x 24" x 24" Precast Concrete Handholes With Steel Cover	2,232.57	511.69
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	247.58	
33 05 63 00-0432	EA	24" x 24" x 30" Precast Concrete Handholes With Steel Cover	2,601.65	639.61
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	298.54	
33 05 63 00-0433	EA	30" x 36" x 30" Precast Concrete Handholes With Steel Cover	2,759.27	639.61
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	327.00	
33 05 63 00-0434	EA	36" x 36" x 48" Precast Concrete Handholes With Steel Cover	3,170.11	767.52
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	382.43	
33 05 63 00-0435	EA	48" x 48" x 48" Precast Concrete Handholes With Steel Cover	3,631.49	895.45
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	531.20	
33 05 63 00-0436	EA	48" x 72" x 36" Precast Concrete Handholes With Steel Cover	3,638.92	767.52
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	571.75	
33 05 63 00-0437	EA	54" x 38" x 24" Precast Concrete Handholes With Steel Cover	3,679.24	767.52
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	401.55	
33 05 63 00-0438	EA	6" Diameter Precast Concrete Handholes With Steel Cover	787.81	255.84
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	15.00	
33 05 63 00-0439	EA	9" Diameter Precast Concrete Handholes With Steel Cover	936.70	287.82
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	15.00	
33 05 63 00-0440	EA	12" Diameter Precast Concrete Handholes With Steel Cover	1,170.47	319.80
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	15.00	

33 Utilities**33 05 Common Work Results for Utilities****33 05 81 Metallic Castings for Utility Structures**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
33 05 81 Metallic Castings for Utility Structures (33 05)**33 05 81 00-0001 Manhole Accessories (33 05 81)****33 05 81 00-0002 Steps For Cast-In-Place Manholes (33 05 81 00-0001)**

See CSI section 33 01 30 81-0037 for installation of steps in existing manholes.

33 05 81 00-0003	EA	Cast Iron Manhole Step For New Manholes	92.27	
33 05 81 00-0004	EA	Galvanized Steel Manhole Step For New Manholes.....	70.36	
33 05 81 00-0005	EA	Aluminum Manhole Step For New Manholes.....	99.95	

33 05 81 00-0006 Manhole Covers And Frames (33 05 81)

Note: Includes moisture-tight masonry joints and waterproof grouting.

33 05 81 00-0007 Regular Manhole Covers And Frames (33 05 81 00-0006)

33 05 81 00-0008	EA	18" Square, Gray Iron, Manhole Cover With Frame	3,493.05	95.40
		<i>For Ductile Iron Castings, Add</i>	2,243.23	
33 05 81 00-0009	EA	18" Diameter, Gray Iron, Manhole Cover With Frame	1,843.95	95.40
		<i>For Ductile Iron Castings, Add</i>	1,088.86	
33 05 81 00-0010	EA	24" Diameter, Gray Iron, Manhole Cover With Frame	2,131.31	110.93
		<i>For Ductile Iron Castings, Add</i>	1,258.95	
33 05 81 00-0011	EA	24" Square, Gray Iron, Manhole Cover With Frame	3,494.69	123.13
		<i>For Ductile Iron Castings, Add</i>	2,187.44	
33 05 81 00-0012	EA	26" Diameter, Gray Iron, Manhole Cover With Frame	2,879.99	133.12
		<i>For Ductile Iron Castings, Add</i>	1,735.33	
33 05 81 00-0013	EA	30" Diameter, Gray Iron, Manhole Cover With Frame	3,006.78	138.67
		<i>For Ductile Iron Castings, Add</i>	1,813.56	

33 05 81 00-0014 Watertight Type Manhole Covers And Frames (33 05 81 00-0006)

33 05 81 00-0015	EA	20" Diameter, Gray Iron, Watertight Manhole Cover With Frame	3,852.23	78.76
		<i>For Ductile Iron Castings, Add</i>	2,477.10	
33 05 81 00-0016	EA	22" Diameter, Gray Iron, Watertight Manhole Cover With Frame	3,889.64	78.76
		<i>For Ductile Iron Castings, Add</i>	2,485.22	
33 05 81 00-0017	EA	24" Diameter, Gray Iron, Watertight Manhole Cover With Frame	3,943.50	92.08
		<i>For Ductile Iron Castings, Add</i>	2,501.60	
33 05 81 00-0018	EA	26" Diameter, Gray Iron, Watertight Manhole Cover With Frame	4,734.66	103.17
		<i>For Ductile Iron Castings, Add</i>	3,033.60	
33 05 81 00-0019	EA	30" Diameter, Gray Iron, Watertight Manhole Cover With Frame	5,532.00	105.39
		<i>For Ductile Iron Castings, Add</i>	3,581.21	
33 05 81 00-0020	EA	32" Diameter, Gray Iron, Watertight Manhole Cover With Frame	5,838.57	107.61
		<i>For Ductile Iron Castings, Add</i>	3,791.99	
33 05 81 00-0021	EA	36" Diameter, Gray Iron, Watertight Manhole Cover With Frame	6,112.50	110.93
		<i>For Ductile Iron Castings, Add</i>	3,979.79	

33 05 81 00-0022 Aluminum Manhole Covers And Frames (33 05 81 00-0006)

33 05 81 00-0023	EA	12" Square Aluminum Manhole Cover With Frame	1,234.39	30.61
33 05 81 00-0024	EA	18" Square Aluminum Manhole Cover With Frame	2,274.63	33.89
33 05 81 00-0025	EA	24" Square Aluminum Manhole Cover With Frame	3,270.38	39.35

33 05 81 00-0026 Removal And Reinstallation Of Manhole Cover And Frame (33 05 81 00-0006)

Note: Includes surrounding asphalt removal and repair. Excludes saw cutting.

33 05 81 00-0027	EA	Removal And Reinstallation Of Manhole Cover And Frame	444.77	
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33 05 83 Non-Metallic Accessories for Utility Structures (33 05)**33 05 83 00-0001 Manhole Accessories (33 05 83)****33 05 83 00-0002 Steps For Cast-In-Place Manholes (33 05 83 00-0001)**

See CSI section 33 01 30 81-0037 for installation of steps in existing manholes.

33 05 83 00-0003	EA	Polypropylene Manhole Step For New Manholes	53.73	
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33 05 83 00-0004 Rainguard Inflow Protectors (33 05 83)

33 05 83 00-0005	EA	18" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	141.21	22.96
33 05 83 00-0006	EA	22" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	165.42	22.96
33 05 83 00-0007	EA	24" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	197.72	27.55
33 05 83 00-0008	EA	26" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	213.02	27.55
33 05 83 00-0009	EA	30" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	265.48	32.14
33 05 83 00-0010	EA	32" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	284.26	32.14

33 05 84 Accessories for Utility Structures (33 05)

See CSI section 22 13 19 26-0044 for oil interceptors, 22 13 23 00-0000 for sediment interceptors, 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 05 84 00-0001 Manhole Accessories (33 05 84)**33 05 84 00-0002 Precast Concrete Manhole Tops (33 05 84 00-0001)****33 05 84 00-0003 Precast Concrete Manhole Slab Tops (33 05 84 00-0002)**

33 05 84 00-0004	EA	3' Diameter x 8" Thick Precast Manhole Top Slab.....	623.51	83.20
33 05 84 00-0005	EA	4' Diameter x 8" Thick Precast Manhole Top Slab.....	877.13	89.86
33 05 84 00-0006	EA	5' Diameter x 8" Thick Precast Manhole Top Slab.....	1,191.88	96.51

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 84 00-0007	EA	6' Diameter x 8" Thick Precast Manhole Top Slab.....	1,429.53	103.17
33 05 84 00-0008	EA	7' Diameter x 8" Thick Precast Manhole Top Slab.....	2,185.60	110.93
33 05 84 00-0009	EA	8' Diameter x 10" Thick Precast Manhole Top Slab.....	2,923.56	119.26
33 05 84 00-0010	EA	10' Diameter x 12" Thick Precast Manhole Top Slab.....	4,995.55	127.57
33 05 84 00-0011	EA	12' Diameter x 12" Thick Precast Manhole Top Slab.....	7,097.83	137.28
33 05 84 00-0012 Precast Concrete Manhole Cone Tops (33 05 84 00-0002)				
33 05 84 00-0013	EA	3' Diameter x 8" Thick Precast Manhole Top Cone.....	997.42	104.00
33 05 84 00-0014	EA	3'-6" Diameter x 8" Thick Precast Manhole Top Cone.....	1,110.96	108.16
33 05 84 00-0015	EA	4' Diameter x 8" Thick Precast Manhole Top Cone.....	1,224.53	112.32
33 05 84 00-0016	EA	5' Diameter x 8" Thick Precast Manhole Top Cone.....	1,446.05	119.26
33 05 84 00-0017	EA	6' Diameter x 8" Thick Precast Manhole Top Cone.....	1,673.14	127.57
33 05 84 00-0018	EA	7' Diameter x 8" Thick Precast Manhole Top Cone.....	2,664.31	135.90
33 05 84 00-0019	EA	8' Diameter x 10" Thick Precast Manhole Top Cone.....	3,350.26	149.76
33 05 84 00-0020 Precast Concrete Manhole Reducer Slabs (33 05 84 00-0002)				
33 05 84 00-0021	EA	5' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab.....	1,311.73	96.51
33 05 84 00-0022	EA	6' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab.....	1,692.80	103.17
33 05 84 00-0023	EA	7' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab.....	2,240.64	103.17
33 05 84 00-0024	EA	8' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab.....	3,556.96	103.17
33 05 84 00-0025	EA	10' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab.....	4,581.02	103.17
33 05 84 00-0026	EA	12' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab.....	6,643.18	103.17
33 05 84 00-0027 Pipe To Manhole Connector (33 05 84 00-0001)				
33 05 84 00-0028 Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connectors (33 05 84 00-0027)				
33 05 84 00-0029	EA	4" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	104.66	
33 05 84 00-0030	EA	6" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	159.34	
33 05 84 00-0031	EA	8" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	179.39	
33 05 84 00-0032	EA	10" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	279.52	
33 05 84 00-0033	EA	12" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	393.99	
33 05 84 00-0034	EA	15" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	518.34	
33 05 84 00-0035	EA	18" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	952.82	
33 05 84 00-0036	EA	21" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	1,327.85	
33 05 84 00-0037	EA	24" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	2,117.27	
33 05 84 00-0038	EA	27" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	2,486.10	
33 05 84 00-0039 Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout (33 05 84 00-0027)				
Note: Fernco CMA.				
33 05 84 00-0040	EA	4" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....	115.43	
33 05 84 00-0041	EA	6" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....	160.63	
33 05 84 00-0042	EA	8" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....	203.07	
33 05 84 00-0043	EA	10" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....	245.28	
33 05 84 00-0044	EA	12" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....	284.49	
33 05 84 00-0045 Brick And Grout Pipe To Manhole Connector (33 05 84 00-0027)				
33 05 84 00-0046	EA	Seal Gap Between Pipe And Structure With Brick And Grout.....	302.33	
33 05 84 00-0047 Inverts For Manholes (33 05 84 00-0001)				
33 05 84 00-0048	EA	Single Channel Concrete Invert For Manholes.....	454.01	
33 05 84 00-0049	EA	Double Channel Concrete Invert For Manholes.....	659.48	
33 05 84 00-0050	EA	Triple Channel Concrete Invert For Manholes.....	886.56	
33 05 84 00-0051	EA	Quad Channel Concrete Invert For Manholes.....	1,113.58	
33 05 84 00-0052	EA	Single Channel Brick Invert For Manholes.....	685.08	
33 05 84 00-0053	EA	Double Channel Brick Invert For Manholes.....	1,025.74	
33 05 84 00-0054	EA	Triple Channel Brick Invert For Manholes.....	1,372.30	
33 05 84 00-0055	EA	Quad Channel Brick Invert For Manholes.....	1,714.76	
33 05 84 00-0056 Protective Coating For New Manholes (33 05 84 00-0001)				
33 05 84 00-0057 Polyurethane Protective Coating For New Manholes (33 05 84 00-0056)				
33 05 84 00-0058	VLF	60 Mil Polyurethane Coating Of 3' Diameter Manhole Interior.....	212.32	
		For 80 Mil Material, Add.....	32.27	
		For 100 Mil Material, Add.....	64.53	
		For 125 Mil Material, Add.....	102.07	
		For 150 Mil Material, Add.....	139.61	
		For 200 Mil Material, Add.....	207.23	
		For 2 To 5 Manholes, Deduct.....	-14.34	
		For 6 To 10 Manholes, Deduct.....	-23.38	
		For >10 Manholes, Deduct.....	-46.75	

33 Utilities**33 05 Common Work Results for Utilities****33 05 84 Accessories for Utility Structures**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 05 84 00-0059	VLF	60 Mil Polyurethane Coating Of 3-1/2' Diameter Manhole Interior	256.06	
		For 80 Mil Material, Add	38.29	
		For 100 Mil Material, Add	76.57	
		For 125 Mil Material, Add	121.02	
		For 150 Mil Material, Add	165.46	
		For 200 Mil Material, Add	245.24	
		For 2 To 5 Manholes, Deduct	-17.36	
		For 6 To 10 Manholes, Deduct	-28.31	
		For >10 Manholes, Deduct	-56.63	
33 05 84 00-0060	VLF	60 Mil Polyurethane Coating Of 4' Diameter Manhole Interior	283.09	
		For 80 Mil Material, Add	43.02	
		For 100 Mil Material, Add	86.04	
		For 125 Mil Material, Add	136.09	
		For 150 Mil Material, Add	186.14	
		For 200 Mil Material, Add	276.29	
		For 2 To 5 Manholes, Deduct	-19.12	
		For 6 To 10 Manholes, Deduct	-31.17	
		For >10 Manholes, Deduct	-62.34	
33 05 84 00-0061	VLF	60 Mil Polyurethane Coating Of 5' Diameter Manhole Interior	353.95	
		For 80 Mil Material, Add	53.80	
		For 100 Mil Material, Add	107.60	
		For 125 Mil Material, Add	170.19	
		For 150 Mil Material, Add	232.79	
		For 200 Mil Material, Add	345.55	
		For 2 To 5 Manholes, Deduct	-23.91	
		For 6 To 10 Manholes, Deduct	-38.97	
		For >10 Manholes, Deduct	-77.94	
33 05 84 00-0062	VLF	60 Mil Polyurethane Coating Of 6' Diameter Manhole Interior	411.46	
		For 80 Mil Material, Add	63.56	
		For 100 Mil Material, Add	127.12	
		For 125 Mil Material, Add	201.23	
		For 150 Mil Material, Add	275.33	
		For 200 Mil Material, Add	409.30	
		For 2 To 5 Manholes, Deduct	-27.70	
		For 6 To 10 Manholes, Deduct	-45.10	
		For >10 Manholes, Deduct	-90.21	

33 05 84 00-0063 Polyvinyl Chloride (PVC) Liner (33 05 84 00-0056)

Note: For new manholes and shop applied.

33 05 84 00-0064	VLF	3' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	297.43	
33 05 84 00-0065	VLF	3-1/2' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	364.59	
33 05 84 00-0066	VLF	4' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	444.92	
33 05 84 00-0067	VLF	5' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	558.74	
33 05 84 00-0068	VLF	6' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	672.56	
33 05 84 00-0069	SF	Polyvinyl Chloride (PVC) Liner At Structures	59.05	

33 05 84 00-0070 Concrete Grade Extensions/Grade Rings (33 05 84 00-0001)**33 05 84 00-0071 18" Diameter, Concrete Grade Extensions/Grade Rings (33 05 84 00-0070)**

33 05 84 00-0072	EA	4" Rise, 18" Diameter, Concrete Grade Extensions/Grade Rings	93.50	
33 05 84 00-0073	EA	6" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring	102.22	
33 05 84 00-0074	EA	8" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring	110.93	
33 05 84 00-0075	EA	10" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring	119.65	

33 05 84 00-0076 24" Diameter, Concrete Grade Extensions/Grade Rings (33 05 84 00-0070)

33 05 84 00-0077	EA	4" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring	104.99	
33 05 84 00-0078	EA	6" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring	114.89	
33 05 84 00-0079	EA	8" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring	124.79	
33 05 84 00-0080	EA	10" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring	134.70	

33 05 84 00-0081 30" Diameter, Concrete Grade Extensions/Grade Rings (33 05 84 00-0070)

33 05 84 00-0082	EA	4" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring	116.22	
33 05 84 00-0083	EA	6" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring	127.26	
33 05 84 00-0084	EA	8" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring	138.31	
33 05 84 00-0085	EA	10" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring	149.35	

33 05 84 00-0086 Bentonite Collar (33 05 84 00-0001)**33 05 84 00-0087 Bentonite Collar At Manhole Connections (33 05 84 00-0086)**

33 05 84 00-0088	EA	Up To 12" Pipe, Bentonite Collar At Manhole Connection	157.51	
33 05 84 00-0089	EA	>12" To 21", Bentonite Collar At Manhole Connection	249.46	
33 05 84 00-0090	EA	>21" To 30" Pipe, Bentonite Collar At Manhole Connection	394.85	
33 05 84 00-0091	EA	>30" To 36" Pipe, Bentonite Collar At Manhole Connection	922.40	
33 05 84 00-0092	EA	>36" To 48" Pipe, Bentonite Collar At Manhole Connection	1,442.86	
33 05 84 00-0093	EA	>48" To 60" Pipe, Bentonite Collar At Manhole Connection	2,621.40	

33 05 84 00-0094 Expanded Polypropylene (EPP) Finish Ring (33 05 84 00-0001)

33 05 84 00-0095	EA	34" Diameter OD x 3/4" Height Expanded Polypropylene (EPP) Finish Ring	108.73	
33 05 84 00-0096	EA	34" Diameter OD x 1" Height Expanded Polypropylene (EPP) Finish Ring	111.09	
33 05 84 00-0097	EA	34" Diameter OD x 1-1/4" Height Expanded Polypropylene (EPP) Finish Ring	118.01	
33 05 84 00-0098	EA	34" Diameter OD x 1-1/2" Height Expanded Polypropylene (EPP) Finish Ring	124.93	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 84 00-0099	EA	34" Diameter OD x 1-3/4" Height Expanded Polypropylene (EPP) Finish Ring	131.85	
33 05 84 00-0100	EA	34" Diameter OD x 2" Height Expanded Polypropylene (EPP) Finish Ring	138.77	
33 05 84 00-0101	EA	34" Diameter OD x 2-1/2" Height Expanded Polypropylene (EPP) Finish Ring	151.16	
33 05 84 00-0102	EA	34" Diameter OD x 3/4" To 1-3/4" Angle Height Expanded Polypropylene (EPP) Finish Ring	121.68	
33 05 84 00-0103	EA	36" Diameter OD x 3/4" Height Expanded Polypropylene (EPP) Finish Ring	114.62	
33 05 84 00-0104	EA	36" Diameter OD x 1" Height Expanded Polypropylene (EPP) Finish Ring	117.15	
33 05 84 00-0105	EA	36" Diameter OD x 1-1/4" Height Expanded Polypropylene (EPP) Finish Ring	124.55	
33 05 84 00-0106	EA	36" Diameter OD x 1-1/2" Height Expanded Polypropylene (EPP) Finish Ring	131.96	
33 05 84 00-0107	EA	36" Diameter OD x 1-3/4" Height Expanded Polypropylene (EPP) Finish Ring	139.36	
33 05 84 00-0108	EA	36" Diameter OD x 2" Height Expanded Polypropylene (EPP) Finish Ring	146.76	
33 05 84 00-0109	EA	36" Diameter OD x 2-1/2" Height Expanded Polypropylene (EPP) Finish Ring	160.01	
33 05 84 00-0110	EA	36" Diameter OD x 3/4" To 1-3/4" Angle Height Expanded Polypropylene (EPP) Finish Ring	128.48	
33 05 84 00-0111	EA	40" Diameter OD x 3/4" Height Expanded Polypropylene (EPP) Finish Ring	127.92	
33 05 84 00-0112	EA	40" Diameter OD x 1" Height Expanded Polypropylene (EPP) Finish Ring	131.01	
33 05 84 00-0113	EA	40" Diameter OD x 1-1/4" Height Expanded Polypropylene (EPP) Finish Ring	140.25	
33 05 84 00-0114	EA	40" Diameter OD x 1-1/2" Height Expanded Polypropylene (EPP) Finish Ring	149.50	
33 05 84 00-0115	EA	40" Diameter OD x 1-3/4" Height Expanded Polypropylene (EPP) Finish Ring	157.56	
33 05 84 00-0116	EA	40" Diameter OD x 2" Height Expanded Polypropylene (EPP) Finish Ring	165.62	
33 05 84 00-0117	EA	40" Diameter OD x 2-1/2" Height Expanded Polypropylene (EPP) Finish Ring	179.23	
33 05 84 00-0118	EA	40" Diameter OD x 3/4" To 1-3/4" Angle Height Expanded Polypropylene (EPP) Finish Ring	144.84	
33 05 84 00-0119	EA	46" Diameter OD x 3/4" Height Expanded Polypropylene (EPP) Finish Ring	142.57	
33 05 84 00-0120	EA	46" Diameter OD x 1" Height Expanded Polypropylene (EPP) Finish Ring	146.29	
33 05 84 00-0121	EA	46" Diameter OD x 1-1/4" Height Expanded Polypropylene (EPP) Finish Ring	157.60	
33 05 84 00-0122	EA	46" Diameter OD x 1-1/2" Height Expanded Polypropylene (EPP) Finish Ring	168.92	
33 05 84 00-0123	EA	46" Diameter OD x 1-3/4" Height Expanded Polypropylene (EPP) Finish Ring	177.72	
33 05 84 00-0124	EA	46" Diameter OD x 2" Height Expanded Polypropylene (EPP) Finish Ring	186.52	
33 05 84 00-0125	EA	46" Diameter OD x 2-1/2" Height Expanded Polypropylene (EPP) Finish Ring	200.57	
33 05 84 00-0126	EA	46" Diameter OD x 3/4" To 1-3/4" Angle Height Expanded Polypropylene (EPP) Finish Ring	162.95	
33 05 84 00-0127 Expanded Polypropylene (EPP) Grade Ring (33 05 84 00-0001)				
33 05 84 00-0128	EA	34" Diameter OD x 2" Height, Expanded Polypropylene (EPP) Grade Ring	138.77	
33 05 84 00-0129	EA	34" Diameter OD x 4" Height, Expanded Polypropylene (EPP) Grade Ring	193.01	
33 05 84 00-0130	EA	34" Diameter OD x 6" Height, Expanded Polypropylene (EPP) Grade Ring	242.61	
33 05 84 00-0131	EA	36" Diameter OD x 2" Height, Expanded Polypropylene (EPP) Grade Ring	146.76	
33 05 84 00-0132	EA	36" Diameter OD x 4" Height, Expanded Polypropylene (EPP) Grade Ring	204.76	
33 05 84 00-0133	EA	36" Diameter OD x 6" Height, Expanded Polypropylene (EPP) Grade Ring	257.81	
33 05 84 00-0134	EA	40" Diameter OD x 2" Height, Expanded Polypropylene (EPP) Grade Ring	165.62	
33 05 84 00-0135	EA	40" Diameter OD x 4" Height, Expanded Polypropylene (EPP) Grade Ring	229.44	
33 05 84 00-0136	EA	40" Diameter OD x 6" Height, Expanded Polypropylene (EPP) Grade Ring	288.29	
33 05 84 00-0137	EA	46" Diameter OD x 2" Height, Expanded Polypropylene (EPP) Grade Ring	186.52	
33 05 84 00-0138	EA	46" Diameter OD x 4" Height, Expanded Polypropylene (EPP) Grade Ring	256.94	
33 05 84 00-0139	EA	46" Diameter OD x 6" Height, Expanded Polypropylene (EPP) Grade Ring	322.32	
33 05 84 00-0140 Waste Water Collection System Taps (33 05 84)				
Note: For tapping existing structures only. Includes grout.				
33 05 84 00-0141 Brick Manhole Taps (33 05 84 00-0140)				
33 05 84 00-0142	EA	4" Tap In 6" Brick Manhole	565.15	
33 05 84 00-0143	EA	6" Tap In 6" Brick Manhole	631.68	
33 05 84 00-0144	EA	8" Tap In 6" Brick Manhole	697.03	
33 05 84 00-0145	EA	10" Tap In 6" Brick Manhole	762.24	
33 05 84 00-0146	EA	12" Tap In 6" Brick Manhole	840.48	
33 05 84 00-0147	EA	15" Tap In 6" Brick Manhole	905.57	
33 05 84 00-0148 Precast Concrete Manhole Tap (33 05 84 00-0140)				
33 05 84 00-0149	EA	4" Tap In Existing Precast Concrete Manhole	833.10	
33 05 84 00-0150	EA	6" Tap In Existing Precast Concrete Manhole	932.90	
33 05 84 00-0151	EA	8" Tap In Existing Precast Concrete Manhole	1,043.80	
33 05 84 00-0152	EA	10" Tap In Existing Precast Concrete Manhole	1,141.62	
33 05 84 00-0153	EA	12" Tap In Existing Precast Concrete Manhole	1,239.25	
33 05 84 00-0154	EA	15" Tap In Existing Precast Concrete Manhole	1,339.24	
33 05 84 00-0155	EA	18" Tap In Existing Precast Concrete Manhole	1,543.67	
33 05 84 00-0156	EA	24" Tap In Existing Precast Concrete Manhole	1,985.80	
33 05 97 Identification and Signage for Utilities (33 05)				
33 05 97 23 Utility Identification Warning Tape (33 05 97)				
33 05 97 23-0001 Non-Detectable Utility Warning Tape (33 05 97 23)				
Note: Labor installation is included with pipe and excavation.				
33 05 97 23-0002	CLF	3" Non-Detectable Utility Warning Tape	8.20	
33 05 97 23-0003	CLF	6" Non-Detectable Utility Warning Tape	11.63	
33 05 97 23-0004 Detectable Utility Warning Tape (33 05 97 23)				
Note: Labor installation is included with pipe and excavation.				
33 05 97 23-0005	CLF	2" Detectable Utility Warning Tape	8.35	
33 05 97 23-0006	CLF	3" Detectable Utility Warning Tape	11.46	
33 05 97 23-0007	CLF	6" Detectable Utility Warning Tape	18.49	

33 Utilities**33 10 Water Utilities****33 05 97 Identification and Signage for Utilities**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
33 10 Water Utilities ⁽³³⁾**33 11 Groundwater Sources** ^(33 10)**33 11 13 Potable Water Supply Wells** ^(33 11)33 11 13 00-0001 Drill And Test Water Well ^(33 11 13)33 11 13 00-0002 Drill Hole ^(33 11 13 00-0001)

Note: Excludes loading and hauling of spoils.

33 11 13 00-0003 Mobilization And Demobilization ^(33 11 13 00-0002)

33 11 13 00-0004	EA	Up To 12" Diameter, Well Drilling Mobilization And Demobilization	1,031.59
33 11 13 00-0005	EA	>12" To 24" Diameter, Well Drilling Mobilization And Demobilization	1,267.04
33 11 13 00-0006	EA	>24" To 36" Diameter, Well Drilling Mobilization And Demobilization	1,900.56

33 11 13 00-0007 Drill Hole In Normal Soil, Sand, Gravel, O.B. ^(33 11 13 00-0002)

Note: Excludes well casing, gravel or materials.

33 11 13 00-0008	LF	Up To 6" Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	24.54
		For>100 To 250, Add	0.61
		For>250 To 400, Add	1.23
		For>400 To 600, Add	1.84
		For>600 To 750, Add	2.45
		For>750, Add	3.07
33 11 13 00-0009	LF	8" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	29.15
		For>100 To 250, Add	0.73
		For>250 To 400, Add	1.46
		For>400 To 600, Add	2.19
		For>600 To 750, Add	2.92
		For>750, Add	3.64
33 11 13 00-0010	LF	10" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	38.97
		For>100 To 250, Add	0.97
		For>250 To 400, Add	1.95
		For>400 To 600, Add	2.92
		For>600 To 750, Add	3.90
		For>750, Add	4.87
33 11 13 00-0011	LF	12" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	60.97
		For>100 To 250, Add	1.52
		For>250 To 400, Add	3.05
		For>400 To 600, Add	4.57
		For>600 To 750, Add	6.10
		For>750, Add	7.62
33 11 13 00-0012	LF	14" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	87.74
		For>100 To 250, Add	2.19
		For>250 To 400, Add	4.39
		For>400 To 600, Add	6.58
		For>600 To 750, Add	8.77
		For>750, Add	10.97
33 11 13 00-0013	LF	16" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	114.66
		For>100 To 250, Add	2.87
		For>250 To 400, Add	5.73
		For>400 To 600, Add	8.60
		For>600 To 750, Add	11.47
		For>750, Add	14.33
33 11 13 00-0014	LF	18" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	136.20
		For>100 To 250, Add	3.41
		For>250 To 400, Add	6.81
		For>400 To 600, Add	10.22
		For>600 To 750, Add	13.62
		For>750, Add	17.03
33 11 13 00-0015	LF	20" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	158.38
		For>100 To 250, Add	3.96
		For>250 To 400, Add	7.92
		For>400 To 600, Add	11.88
		For>600 To 750, Add	15.84
		For>750, Add	19.80
33 11 13 00-0016	LF	22" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	186.09
		For>100 To 250, Add	4.65
		For>250 To 400, Add	9.30
		For>400 To 600, Add	13.96
		For>600 To 750, Add	18.61
		For>750, Add	23.26
33 11 13 00-0017	LF	24" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	219.36
		For>100 To 250, Add	5.48
		For>250 To 400, Add	10.97
		For>400 To 600, Add	16.45
		For>600 To 750, Add	21.94
		For>750, Add	27.42
33 11 13 00-0018	LF	26" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	237.09
		For>100 To 250, Add	5.93
		For>250 To 400, Add	11.85
		For>400 To 600, Add	17.78
		For>600 To 750, Add	23.71
		For>750, Add	29.64

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0019	LF	28" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	260.85	
		For >100 To 250, Add	6.52	
		For >250 To 400, Add	13.04	
		For >400 To 600, Add	19.56	
		For >600 To 750, Add	26.09	
		For >750, Add	32.61	
33 11 13 00-0020	LF	30" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	285.72	
		For >100 To 250, Add	7.14	
		For >250 To 400, Add	14.29	
		For >400 To 600, Add	21.43	
		For >600 To 750, Add	28.57	
		For >750, Add	35.72	
33 11 13 00-0021	LF	36" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	355.41	
		For >100 To 250, Add	8.89	
		For >250 To 400, Add	17.77	
		For >400 To 600, Add	26.66	
		For >600 To 750, Add	35.54	
		For >750, Add	44.43	
33 11 13 00-0022 Drill Hole In Sedimentary Rock (33 11 13 00-0002)				
33 11 13 00-0023	LF	6" Water Well Hole Drilled In Sedimentary Rock	50.05	
		For >100 To 250, Add	1.25	
		For >250 To 400, Add	2.50	
		For >400 To 600, Add	3.75	
		For >600 To 750, Add	5.01	
		For >750, Add	6.26	
33 11 13 00-0024	LF	8" Water Well Hole Drilled In Sedimentary Rock	58.28	
		For >100 To 250, Add	1.46	
		For >250 To 400, Add	2.91	
		For >400 To 600, Add	4.37	
		For >600 To 750, Add	5.83	
		For >750, Add	7.29	
33 11 13 00-0025	LF	10" Water Well Hole Drilled In Sedimentary Rock	93.31	
		For >100 To 250, Add	2.33	
		For >250 To 400, Add	4.67	
		For >400 To 600, Add	7.00	
		For >600 To 750, Add	9.33	
		For >750, Add	11.66	
33 11 13 00-0026	LF	12" Water Well Hole Drilled In Sedimentary Rock	122.02	
		For >100 To 250, Add	3.05	
		For >250 To 400, Add	6.10	
		For >400 To 600, Add	9.15	
		For >600 To 750, Add	12.20	
		For >750, Add	15.25	
33 11 13 00-0027	LF	14" Water Well Hole Drilled In Sedimentary Rock	175.62	
		For >100 To 250, Add	4.39	
		For >250 To 400, Add	8.78	
		For >400 To 600, Add	13.17	
		For >600 To 750, Add	17.56	
		For >750, Add	21.95	
33 11 13 00-0028	LF	16" Water Well Hole Drilled In Sedimentary Rock	229.21	
		For >100 To 250, Add	5.73	
		For >250 To 400, Add	11.46	
		For >400 To 600, Add	17.19	
		For >600 To 750, Add	22.92	
		For >750, Add	28.65	
33 11 13 00-0029	LF	18" Water Well Hole Drilled In Sedimentary Rock	272.54	
		For >100 To 250, Add	6.81	
		For >250 To 400, Add	13.63	
		For >400 To 600, Add	20.44	
		For >600 To 750, Add	27.25	
		For >750, Add	34.07	
33 11 13 00-0030	LF	20" Water Well Hole Drilled In Sedimentary Rock	316.25	
		For >100 To 250, Add	7.91	
		For >250 To 400, Add	15.81	
		For >400 To 600, Add	23.72	
		For >600 To 750, Add	31.63	
		For >750, Add	39.53	
33 11 13 00-0031	LF	22" Water Well Hole Drilled In Sedimentary Rock	372.51	
		For >100 To 250, Add	9.31	
		For >250 To 400, Add	18.63	
		For >400 To 600, Add	27.94	
		For >600 To 750, Add	37.25	
		For >750, Add	46.56	
33 11 13 00-0032	LF	24" Water Well Hole Drilled In Sedimentary Rock	430.29	
		For >100 To 250, Add	10.76	
		For >250 To 400, Add	21.51	
		For >400 To 600, Add	32.27	
		For >600 To 750, Add	43.03	
		For >750, Add	53.79	
33 11 13 00-0033	LF	26" Water Well Hole Drilled In Sedimentary Rock	474.19	
		For >100 To 250, Add	11.85	
		For >250 To 400, Add	23.71	
		For >400 To 600, Add	35.56	
		For >600 To 750, Add	47.42	
		For >750, Add	59.27	

33 Utilities**33 10 Water Utilities****33 11 Groundwater Sources**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 11 13 00-0034	LF	28" Water Well Hole Drilled In Sedimentary Rock	521.70	
		For >100 To 250, Add	13.04	
		For >250 To 400, Add	26.09	
		For >400 To 600, Add	39.13	
		For >600 To 750, Add	52.17	
		For >750, Add	65.21	
33 11 13 00-0035	LF	30" Water Well Hole Drilled In Sedimentary Rock	571.44	
		For >100 To 250, Add	14.29	
		For >250 To 400, Add	28.57	
		For >400 To 600, Add	42.86	
		For >600 To 750, Add	57.14	
		For >750, Add	71.43	
33 11 13 00-0036	LF	36" Water Well Hole Drilled In Sedimentary Rock	710.81	
		For >100 To 250, Add	17.77	
		For >250 To 400, Add	35.54	
		For >400 To 600, Add	53.31	
		For >600 To 750, Add	71.08	
		For >750, Add	88.85	

33 11 13 00-0037 Drill Hole In Crystalline Rock (33 11 13 00-0002)

33 11 13 00-0038	LF	6" Water Well Hole Drilled In Crystalline Rock	102.94	
		For >100 To 250, Add	2.57	
		For >250 To 400, Add	5.15	
		For >400 To 600, Add	7.72	
		For >600 To 750, Add	10.29	
		For >750, Add	12.87	
33 11 13 00-0039	LF	8" Water Well Hole Drilled In Crystalline Rock	118.79	
		For >100 To 250, Add	2.97	
		For >250 To 400, Add	5.94	
		For >400 To 600, Add	8.91	
		For >600 To 750, Add	11.88	
		For >750, Add	14.85	
33 11 13 00-0040	LF	10" Water Well Hole Drilled In Crystalline Rock	136.20	
		For >100 To 250, Add	3.41	
		For >250 To 400, Add	6.81	
		For >400 To 600, Add	10.22	
		For >600 To 750, Add	13.62	
		For >750, Add	17.03	
33 11 13 00-0041	LF	12" Water Well Hole Drilled In Crystalline Rock	172.63	
		For >100 To 250, Add	4.32	
		For >250 To 400, Add	8.63	
		For >400 To 600, Add	12.95	
		For >600 To 750, Add	17.26	
		For >750, Add	21.58	
33 11 13 00-0042	LF	14" Water Well Hole Drilled In Crystalline Rock	223.32	
		For >100 To 250, Add	5.58	
		For >250 To 400, Add	11.17	
		For >400 To 600, Add	16.75	
		For >600 To 750, Add	22.33	
		For >750, Add	27.92	
33 11 13 00-0043	LF	16" Water Well Hole Drilled In Crystalline Rock	324.68	
		For >100 To 250, Add	8.12	
		For >250 To 400, Add	16.23	
		For >400 To 600, Add	24.35	
		For >600 To 750, Add	32.47	
		For >750, Add	40.59	
33 11 13 00-0044	LF	18" Water Well Hole Drilled In Crystalline Rock	386.45	
		For >100 To 250, Add	9.66	
		For >250 To 400, Add	19.32	
		For >400 To 600, Add	28.98	
		For >600 To 750, Add	38.65	
		For >750, Add	48.31	
33 11 13 00-0045	LF	20" Water Well Hole Drilled In Crystalline Rock	448.22	
		For >100 To 250, Add	11.21	
		For >250 To 400, Add	22.41	
		For >400 To 600, Add	33.62	
		For >600 To 750, Add	44.82	
		For >750, Add	56.03	
33 11 13 00-0046	LF	22" Water Well Hole Drilled In Crystalline Rock	527.40	
		For >100 To 250, Add	13.19	
		For >250 To 400, Add	26.37	
		For >400 To 600, Add	39.56	
		For >600 To 750, Add	52.74	
		For >750, Add	65.93	
33 11 13 00-0047	LF	24" Water Well Hole Drilled In Crystalline Rock	609.76	
		For >100 To 250, Add	15.24	
		For >250 To 400, Add	30.49	
		For >400 To 600, Add	45.73	
		For >600 To 750, Add	60.98	
		For >750, Add	76.22	

33 11 13 00-0048 Furnish And Install Casing (33 11 13 00-0001)

Note: Excludes drilling of hole.

33 11 13 00-0049 Steel Well Casing (33 11 13 00-0048)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0050	LF		6" Diameter, Steel Well Casing, Flush	52.02	
			For >100 To 250, Deduct	-1.52	
			For >250 To 400, Deduct	-2.83	
			For >400 To 600, Deduct	-4.24	
			For >600 To 750, Deduct	-5.65	
			For >750, Deduct	-7.35	
33 11 13 00-0051	LF		8" Diameter, Steel Well Casing, Flush	64.67	
			For >100 To 250, Deduct	-1.90	
			For >250 To 400, Deduct	-3.51	
			For >400 To 600, Deduct	-5.27	
			For >600 To 750, Deduct	-7.03	
			For >750, Deduct	-9.15	
33 11 13 00-0052	LF		10" Diameter, Steel Well Casing, Flush	96.43	
			For >100 To 250, Deduct	-2.75	
			For >250 To 400, Deduct	-5.16	
			For >400 To 600, Deduct	-7.74	
			For >600 To 750, Deduct	-10.32	
			For >750, Deduct	-13.33	
33 11 13 00-0053	LF		12" Diameter, Steel Well Casing, Flush	163.16	
			For >100 To 250, Deduct	-4.48	
			For >250 To 400, Deduct	-8.56	
			For >400 To 600, Deduct	-12.84	
			For >600 To 750, Deduct	-17.12	
			For >750, Deduct	-21.93	
33 11 13 00-0054	LF		14" Diameter, Steel Well Casing, Flush	182.07	
			For >100 To 250, Deduct	-5.11	
			For >250 To 400, Deduct	-9.66	
			For >400 To 600, Deduct	-14.50	
			For >600 To 750, Deduct	-19.33	
			For >750, Deduct	-24.89	
33 11 13 00-0055	LF		16" Diameter, Steel Well Casing, Flush	213.44	
			For >100 To 250, Deduct	-6.03	
			For >250 To 400, Deduct	-11.37	
			For >400 To 600, Deduct	-17.05	
			For >600 To 750, Deduct	-22.73	
			For >750, Deduct	-29.32	
33 11 13 00-0056	LF		18" Diameter, Steel Well Casing, Flush	242.84	
			For >100 To 250, Deduct	-6.95	
			For >250 To 400, Deduct	-13.02	
			For >400 To 600, Deduct	-19.52	
			For >600 To 750, Deduct	-26.03	
			For >750, Deduct	-33.68	
33 11 13 00-0057	LF		20" Diameter, Steel Well Casing, Flush	276.19	
			For >100 To 250, Deduct	-7.98	
			For >250 To 400, Deduct	-14.89	
			For >400 To 600, Deduct	-22.33	
			For >600 To 750, Deduct	-29.77	
			For >750, Deduct	-38.61	
33 11 13 00-0058	LF		24" Diameter, Steel Well Casing, Flush	323.20	
			For >100 To 250, Deduct	-9.29	
			For >250 To 400, Deduct	-17.37	
			For >400 To 600, Deduct	-26.06	
			For >600 To 750, Deduct	-34.74	
			For >750, Deduct	-45.00	
33 11 13 00-0059	LB		Steel Well Casing, Furnish And Install	1.62	
			For >100 To 250, Deduct	-0.06	
			For >250 To 400, Deduct	-0.10	
			For >400 To 600, Deduct	-0.14	
			For >600 To 750, Deduct	-0.19	
			For >750, Deduct	-0.26	
33 11 13 00-0060			Stainless Steel Well Casing, Flush Threaded (33 11 13 00-0048)	112.46	
33 11 13 00-0061	LF		6" Diameter, Stainless Steel Well Casing, Flush	112.46	
			For >100 To 250, Deduct	-3.04	
			For >250 To 400, Deduct	-5.85	
			For >400 To 600, Deduct	-8.77	
			For >600 To 750, Deduct	-11.69	
			For >750, Deduct	-14.91	
33 11 13 00-0062	LF		8" Diameter, Stainless Steel Well Casing, Flush	169.67	
			For >100 To 250, Deduct	-4.52	
			For >250 To 400, Deduct	-8.76	
			For >400 To 600, Deduct	-13.15	
			For >600 To 750, Deduct	-17.53	
			For >750, Deduct	-22.27	
33 11 13 00-0063	LF		10" Diameter, Stainless Steel Well Casing, Flush	237.50	
			For >100 To 250, Deduct	-6.30	
			For >250 To 400, Deduct	-12.23	
			For >400 To 600, Deduct	-18.35	
			For >600 To 750, Deduct	-24.47	
			For >750, Deduct	-31.05	
33 11 13 00-0064	LF		12" Diameter, Stainless Steel Well Casing, Flush	276.09	
			For >100 To 250, Deduct	-7.33	
			For >250 To 400, Deduct	-14.23	
			For >400 To 600, Deduct	-21.35	
			For >600 To 750, Deduct	-28.46	
			For >750, Deduct	-36.13	
33 11 13 00-0065			Stainless Steel Well Casing, Welded Ring (33 11 13 00-0048)		

33 Utilities**33 10 Water Utilities****33 11 Groundwater Sources**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 11 13 00-0066	LF 10" Diameter, Stainless Steel Well Casing, Welded	248.26	
	For >100 To 250, Deduct	-6.83	
	For >250 To 400, Deduct	-13.04	
	For >400 To 600, Deduct	-19.56	
	For >600 To 750, Deduct	-26.08	
	For >750, Deduct	-33.42	
33 11 13 00-0067	LF 12" Diameter, Stainless Steel Well Casing, Welded	287.76	
	For >100 To 250, Deduct	-7.91	
	For >250 To 400, Deduct	-15.11	
	For >400 To 600, Deduct	-22.66	
	For >600 To 750, Deduct	-30.21	
	For >750, Deduct	-38.70	
33 11 13 00-0068	LF 14" Diameter, Stainless Steel Well Casing, Welded	346.56	
	For >100 To 250, Deduct	-9.47	
	For >250 To 400, Deduct	-18.14	
	For >400 To 600, Deduct	-27.20	
	For >600 To 750, Deduct	-36.27	
	For >750, Deduct	-46.39	
33 11 13 00-0069	LF 16" Diameter, Stainless Steel Well Casing, Welded	396.90	
	For >100 To 250, Deduct	-10.84	
	For >250 To 400, Deduct	-20.76	
	For >400 To 600, Deduct	-31.15	
	For >600 To 750, Deduct	-41.53	
	For >750, Deduct	-53.11	
33 11 13 00-0070	LF 18" Diameter, Stainless Steel Well Casing, Welded	437.74	
	For >100 To 250, Deduct	-12.00	
	For >250 To 400, Deduct	-22.94	
	For >400 To 600, Deduct	-34.41	
	For >600 To 750, Deduct	-45.88	
	For >750, Deduct	-58.72	
33 11 13 00-0071	LF 20" Diameter, Stainless Steel Well Casing, Welded	575.33	
	For >100 To 250, Deduct	-15.64	
	For >250 To 400, Deduct	-30.02	
	For >400 To 600, Deduct	-45.03	
	For >600 To 750, Deduct	-60.04	
	For >750, Deduct	-76.69	
33 11 13 00-0072	LF 24" Diameter, Stainless Steel Well Casing, Welded	759.20	
	For >100 To 250, Deduct	-20.55	
	For >250 To 400, Deduct	-39.53	
	For >400 To 600, Deduct	-59.29	
	For >600 To 750, Deduct	-79.06	
	For >750, Deduct	-100.86	

33 11 13 00-0073 Polyvinyl Chloride (PVC) Well Casing, Schedule 80 (33 11 13 00-0048)

33 11 13 00-0074	LF 6" Polyvinyl Chloride (PVC) Well Casing	59.80	
	For >100 To 250, Deduct	-1.67	
	For >250 To 400, Deduct	-3.17	
	For >400 To 600, Deduct	-4.75	
	For >600 To 750, Deduct	-6.34	
	For >750, Deduct	-8.16	
33 11 13 00-0075	LF 8" Polyvinyl Chloride (PVC) Well Casing	95.02	
	For >100 To 250, Deduct	-2.66	
	For >250 To 400, Deduct	-5.03	
	For >400 To 600, Deduct	-7.55	
	For >600 To 750, Deduct	-10.06	
	For >750, Deduct	-12.94	
33 11 13 00-0076	LF 10" Polyvinyl Chloride (PVC) Well Casing	143.57	
	For >100 To 250, Deduct	-4.02	
	For >250 To 400, Deduct	-7.60	
	For >400 To 600, Deduct	-11.41	
	For >600 To 750, Deduct	-15.21	
	For >750, Deduct	-19.56	
33 11 13 00-0077	LF 12" Polyvinyl Chloride (PVC) Well Casing	169.24	
	For >100 To 250, Deduct	-4.75	
	For >250 To 400, Deduct	-8.98	
	For >400 To 600, Deduct	-13.47	
	For >600 To 750, Deduct	-17.96	
	For >750, Deduct	-23.11	

33 11 13 00-0078 Furnish And Install Well Screen Assembly (33 11 13 00-0001)**33 11 13 00-0079 Stainless Steel Well Screen (33 11 13 00-0078)**

33 11 13 00-0080	LF 2" Stainless Steel Well Screen.....	32.62	1.80
	For >100 To 250, Deduct	-1.05	
	For >250 To 400, Deduct	-1.86	
	For >400 To 600, Deduct	-2.79	
	For >600 To 750, Deduct	-3.72	
	For >750, Deduct	-4.95	
33 11 13 00-0081	LF 3" Stainless Steel Well Screen.....	53.53	1.80
	For >100 To 250, Deduct	-1.59	
	For >250 To 400, Deduct	-2.92	
	For >400 To 600, Deduct	-4.39	
	For >600 To 750, Deduct	-5.85	
	For >750, Deduct	-7.63	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0082	LF		4" Stainless Steel Well Screen	67.22	2.69
			For >100 To 250, Deduct	-1.99	
			For >250 To 400, Deduct	-3.68	
			For >400 To 600, Deduct	-5.51	
			For >600 To 750, Deduct	-7.35	
			For >750, Deduct	-9.60	
33 11 13 00-0083	LF		5" Stainless Steel Well Screen	85.33	2.69
			For >100 To 250, Deduct	-2.51	
			For >250 To 400, Deduct	-4.64	
			For >400 To 600, Deduct	-6.96	
			For >600 To 750, Deduct	-9.28	
			For >750, Deduct	-12.09	
33 11 13 00-0084	LF		6" Stainless Steel Well Screen	101.57	3.58
			For >100 To 250, Deduct	-3.04	
			For >250 To 400, Deduct	-5.58	
			For >400 To 600, Deduct	-8.36	
			For >600 To 750, Deduct	-11.15	
			For >750, Deduct	-14.59	
33 11 13 00-0085	LF		8" Stainless Steel Well Screen	132.77	4.49
			For >100 To 250, Deduct	-3.96	
			For >250 To 400, Deduct	-7.28	
			For >400 To 600, Deduct	-10.91	
			For >600 To 750, Deduct	-14.55	
			For >750, Deduct	-19.02	
33 11 13 00-0086	LF		10" Stainless Steel Well Screen	167.72	7.18
			For >100 To 250, Deduct	-5.05	
			For >250 To 400, Deduct	-9.25	
			For >400 To 600, Deduct	-13.87	
			For >600 To 750, Deduct	-18.49	
			For >750, Deduct	-24.23	
33 11 13 00-0087	LF		12" Stainless Steel Well Screen	196.83	8.96
			For >100 To 250, Deduct	-5.93	
			For >250 To 400, Deduct	-10.85	
			For >400 To 600, Deduct	-16.27	
			For >600 To 750, Deduct	-21.69	
			For >750, Deduct	-28.42	
33 11 13 00-0088	LF		14" Stainless Steel Well Screen	215.27	9.87
			For >100 To 250, Deduct	-6.54	
			For >250 To 400, Deduct	-11.92	
			For >400 To 600, Deduct	-17.88	
			For >600 To 750, Deduct	-23.84	
			For >750, Deduct	-31.30	
33 11 13 00-0089	LF		16" Stainless Steel Well Screen	232.29	11.65
			For >100 To 250, Deduct	-7.11	
			For >250 To 400, Deduct	-12.91	
			For >400 To 600, Deduct	-19.37	
			For >600 To 750, Deduct	-25.83	
			For >750, Deduct	-33.97	
33 11 13 00-0090	LF		18" Stainless Steel Well Screen	278.18	13.45
			For >100 To 250, Deduct	-8.56	
			For >250 To 400, Deduct	-15.51	
			For >400 To 600, Deduct	-23.27	
			For >600 To 750, Deduct	-31.02	
			For >750, Deduct	-40.86	
33 11 13 00-0091	LF		20" Stainless Steel Well Screen	350.98	17.03
			For >100 To 250, Deduct	-10.79	
			For >250 To 400, Deduct	-19.56	
			For >400 To 600, Deduct	-29.34	
			For >600 To 750, Deduct	-39.12	
			For >750, Deduct	-51.52	
33 11 13 00-0092	LF		24" Stainless Steel Well Screen	454.88	22.41
			For >100 To 250, Deduct	-14.01	
			For >250 To 400, Deduct	-25.38	
			For >400 To 600, Deduct	-38.07	
			For >600 To 750, Deduct	-50.76	
			For >750, Deduct	-66.88	
33 11 13 00-0093	LF		26" Stainless Steel Well Screen	525.31	26.01
			For >100 To 250, Deduct	-16.12	
			For >250 To 400, Deduct	-29.25	
			For >400 To 600, Deduct	-43.88	
			For >600 To 750, Deduct	-58.51	
			For >750, Deduct	-77.02	
33 11 13 00-0094			Slotted Polyvinyl Chloride (PVC) Well Screen, Schedule 40 (33 11 13 00-0078)		
33 11 13 00-0095	LF		1-1/4" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	17.07	
			For >100 To 250, Deduct	-0.59	
			For >250 To 400, Deduct	-1.02	
			For >400 To 600, Deduct	-1.53	
			For >600 To 750, Deduct	-2.04	
			For >750, Deduct	-2.76	
			For Schedule 80, Add	4.19	
33 11 13 00-0096	LF		1-1/2" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	19.60	
			For >100 To 250, Deduct	-0.67	
			For >250 To 400, Deduct	-1.16	
			For >400 To 600, Deduct	-1.73	
			For >600 To 750, Deduct	-2.31	
			For >750, Deduct	-3.12	
			For Schedule 80, Add	5.02	

33 Utilities**33 10 Water Utilities****33 11 Groundwater Sources**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 11 13 00-0097	LF 2" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	27.26	
	For >100 To 250, Deduct	-1.00	
	For >250 To 400, Deduct	-1.68	
	For >400 To 600, Deduct	-2.52	
	For >600 To 750, Deduct	-3.36	
	For >750, Deduct	-4.60	
	For Schedule 80, Add	5.86	
33 11 13 00-0098	LF 3" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	40.81	
	For >100 To 250, Deduct	-1.36	
	For >250 To 400, Deduct	-2.38	
	For >400 To 600, Deduct	-3.57	
	For >600 To 750, Deduct	-4.76	
	For >750, Deduct	-6.39	
	For Schedule 80, Add	10.89	
33 11 13 00-0099	LF 4" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	51.32	
	For >100 To 250, Deduct	-1.71	
	For >250 To 400, Deduct	-3.00	
	For >400 To 600, Deduct	-4.49	
	For >600 To 750, Deduct	-5.99	
	For >750, Deduct	-8.05	
	For Schedule 80, Add	13.65	
33 11 13 00-0100	LF 5" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	64.45	
	For >100 To 250, Deduct	-2.12	
	For >250 To 400, Deduct	-3.73	
	For >400 To 600, Deduct	-5.60	
	For >600 To 750, Deduct	-7.47	
	For >750, Deduct	-10.00	
	For Schedule 80, Add	17.59	
33 11 13 00-0101	LF 6" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	70.22	
	For >100 To 250, Deduct	-2.44	
	For >250 To 400, Deduct	-4.19	
	For >400 To 600, Deduct	-6.29	
	For >600 To 750, Deduct	-8.39	
	For >750, Deduct	-11.37	
	For Schedule 80, Add	17.17	
33 11 13 00-0102	LF 8" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	101.92	
	For >100 To 250, Deduct	-3.42	
	For >250 To 400, Deduct	-5.97	
	For >400 To 600, Deduct	-8.95	
	For >600 To 750, Deduct	-11.94	
	For >750, Deduct	-16.06	
	For Schedule 80, Add	26.80	

33 11 13 00-0103 **Furnish And Install Gravel Pack Material** (33 11 13 00-0001)
Note: Quantity is based on 3" space between wall and the casing or well screen.

33 11 13 00-0104 **Artificial Gravel Pack** (33 11 13 00-0103)
Note: Excludes casing.

33 11 13 00-0105	LF Artificial Gravel Pack, 6" Casing, 2" Screen	18.51	
	For >100 To 250, Deduct	-0.72	
	For >250 To 400, Deduct	-1.18	
	For >400 To 600, Deduct	-1.78	
	For >600 To 750, Deduct	-2.37	
	For >750, Deduct	-3.29	
33 11 13 00-0106	LF Artificial Gravel Pack, 8" Casing, 2" Screen	27.35	
	For >100 To 250, Deduct	-1.09	
	For >250 To 400, Deduct	-1.77	
	For >400 To 600, Deduct	-2.66	
	For >600 To 750, Deduct	-3.54	
	For >750, Deduct	-4.95	
33 11 13 00-0107	LF Artificial Gravel Pack, 10" Casing, 2" Screen	38.17	
	For >100 To 250, Deduct	-1.56	
	For >250 To 400, Deduct	-2.51	
	For >400 To 600, Deduct	-3.77	
	For >600 To 750, Deduct	-5.02	
	For >750, Deduct	-7.06	
33 11 13 00-0108	LF Artificial Gravel Pack, 12" Casing, 2" Screen	48.89	
	For >100 To 250, Deduct	-1.97	
	For >250 To 400, Deduct	-3.19	
	For >400 To 600, Deduct	-4.79	
	For >600 To 750, Deduct	-6.38	
	For >750, Deduct	-8.95	
33 11 13 00-0109	LF Artificial Gravel Pack, 14" Casing, 2" Screen	60.24	
	For >100 To 250, Deduct	-2.40	
	For >250 To 400, Deduct	-3.91	
	For >400 To 600, Deduct	-5.86	
	For >600 To 750, Deduct	-7.81	
	For >750, Deduct	-10.93	
33 11 13 00-0110	LF Artificial Gravel Pack, 16" Casing, 2" Screen	77.89	
	For >100 To 250, Deduct	-3.05	
	For >250 To 400, Deduct	-5.00	
	For >400 To 600, Deduct	-7.50	
	For >600 To 750, Deduct	-9.99	
	For >750, Deduct	-13.92	
33 11 13 00-0111	LF Artificial Gravel Pack, 18" Casing, 2" Screen	89.28	
	For >100 To 250, Deduct	-3.48	
	For >250 To 400, Deduct	-5.71	
	For >400 To 600, Deduct	-8.57	
	For >600 To 750, Deduct	-11.42	
	For >750, Deduct	-15.90	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0112	LF	Artificial Gravel Pack, 20" Casing, 2" Screen.....	106.11	
		For >100 To 250, Deduct	-4.17	
		For >250 To 400, Deduct	-6.83	
		For >400 To 600, Deduct	-10.24	
		For >600 To 750, Deduct	-13.65	
		For >750, Deduct	-19.04	
33 11 13 00-0113	LF	Artificial Gravel Pack, 24" Casing, 2" Screen.....	120.10	
		For >100 To 250, Deduct	-4.75	
		For >250 To 400, Deduct	-7.75	
		For >400 To 600, Deduct	-11.63	
		For >600 To 750, Deduct	-15.50	
		For >750, Deduct	-21.65	
33 11 13 00-0114	LF	Artificial Gravel Pack, 26" Casing, 2" Screen.....	129.29	
		For >100 To 250, Deduct	-5.06	
		For >250 To 400, Deduct	-8.29	
		For >400 To 600, Deduct	-12.43	
		For >600 To 750, Deduct	-16.58	
		For >750, Deduct	-23.09	
33 11 13 00-0115	LF	Artificial Gravel Pack, 30" Casing, 2" Screen.....	154.30	
		For >100 To 250, Deduct	-6.10	
		For >250 To 400, Deduct	-9.96	
		For >400 To 600, Deduct	-14.94	
		For >600 To 750, Deduct	-19.92	
		For >750, Deduct	-27.81	
33 11 13 00-0116	LF	Artificial Gravel Pack, 36" Casing, 2" Screen.....	178.76	
		For >100 To 250, Deduct	-7.20	
		For >250 To 400, Deduct	-11.67	
		For >400 To 600, Deduct	-17.51	
		For >600 To 750, Deduct	-23.35	
		For >750, Deduct	-32.74	
33 11 13 00-0117		Develop Well (33 11 13 00-0001)		
		Note: Pump out drilled well to remove debris and fine material remaining from the drilling process. Excludes disposal.		
33 11 13 00-0118	HR	Develop Well.....	451.87	
33 11 13 00-0119		Pump Test (33 11 13 00-0001)		
		Note: To determine water level and GPM flow rate.		
33 11 13 00-0120	HR	Pump Test Well	399.17	
33 11 13 00-0121		Test Well (33 11 13 00-0001)		
33 11 13 00-0122	VL	2-1/2" Diameter Test Well	102.29	
33 11 13 00-0123		Surface Seal, Concrete Filled (33 11 13)		
33 11 13 00-0124	SF	Surface Seal Well, Concrete Filled	32.66	
33 11 13 00-0125		Other Water Well (33 11 13)		
33 11 13 00-0126	SF	Patch Hole In Well Casing	97.58	
33 11 13 00-0127	SF	1/2" Pressure Grout Well	2.36	
33 11 13 00-0128	SF	1" Pressure Grout Well	3.79	
33 11 13 00-0129	CF	Sediment Removal In Well Casing For Existing Well.....	5.61	
33 11 13 00-0130		Sterilization Of Well (33 11 13)		
33 11 13 00-0131	EA	Well Sterilization, Chlorine	1,617.86	
33 11 13 00-0132		Submersible Well Pumps (33 11 13)		
		Note: Includes pump end, motor and control box.		
33 11 13 00-0133		4" Submersible Well Pumps (33 11 13 00-0132)		
33 11 13 00-0134		Powder Coated Case And Cast Iron Ends (33 11 13 00-0133)		
33 11 13 00-0135	EA	1/2 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends	1,442.14	507.13
33 11 13 00-0136	EA	3/4 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends	1,642.80	562.10
33 11 13 00-0137	EA	1 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends	1,823.39	624.56
33 11 13 00-0138		Stainless Steel Case And Ends (33 11 13 00-0133)		
33 11 13 00-0139	EA	1/2 HP Submersible Well Pump, 4" Diameter Stainless Steel	1,615.02	499.64
33 11 13 00-0140	EA	3/4 HP Submersible Well Pump, 4" Diameter Stainless Steel	1,840.57	562.10
33 11 13 00-0141	EA	1 HP Submersible Well Pump, 4" Diameter Stainless Steel	2,062.58	624.56
33 11 13 00-0142	EA	1-1/2 HP Submersible Well Pump, 4" Diameter Stainless Steel	2,358.00	687.01
33 11 13 00-0143	EA	2 HP Submersible Well Pump, 4" Diameter Stainless Steel	2,664.07	749.47
33 11 13 00-0144	EA	3 HP Submersible Well Pump, 4" Diameter Stainless Steel	3,269.12	874.38
33 11 13 00-0145	EA	5 HP Submersible Well Pump, 4" Diameter Stainless Steel	4,095.61	999.29
33 11 13 00-0146		6" Submersible Well Pumps (33 11 13 00-0132)		
33 11 13 00-0147	EA	5 HP Submersible Well Pump, 6" Diameter Stainless Steel	4,028.07	1,249.10
33 11 13 00-0148	EA	7.5 HP Submersible Well Pump, 6" Diameter Stainless Steel	4,634.30	1,374.01
33 11 13 00-0149	EA	10 HP Submersible Well Pump, 6" Diameter Stainless Steel	5,263.04	1,498.92

33 Utilities**33 10 Water Utilities****33 11 Groundwater Sources**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 11 13 00-0150 EA 15 HP Submersible Well Pump, 6" Diameter Stainless Steel6,361.85 1,748.74

33 14 Water Utility Transmission and Distribution ^(33 10)**33 14 11 Water Utility Transmission Piping** ^(33 14)

See CSI section 33 14 13 00-0000 for water utility transmission piping.

33 14 13 Public Water Utility Distribution Piping ^(33 14)

Note: Piping includes hydrostatic testing, disinfecting and warning tape. Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 14 13 13 Ductile Iron Public Water Utility Distribution Piping ^(33 14 13)33 14 13 13-0001 Ductile Iron Piping ^(33 14 13 13)33 14 13 13-0002 Mechanical Joint Ductile Iron Piping ^(33 14 13 13-0001)

Note: Cement lining and bituminous coating shall conform to ANSI A21.4. Fittings are C153. See CSI section 33 14 13 13-0521 for bolts and gaskets.

33 14 13 13-0003 Mechanical Joint Ductile Iron Pipe ^(33 14 13 13-0002)

Note: Conforming to ANSI/AWWA C151/A21.51, federal specification WW-P-421D.

33 14 13 13-0004 LF 3", Class 51, Mechanical Joint Ductile Iron Pipe91.72 13.43

For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add

49.99

For Cement Mortar Lining (CML), Add

7.14

Note: ANSI/AWWA C104/A21.4

For 40 Mil Ceramic Epoxy Lining (P401), Add

38.56

For Fusion Bonded Epoxy Lining (206N), Add

12.85

Note: ANSI/AWWA C104/A21.4

For Bituminous Or Coal Tar Coating, 1 Mil, Add

5.36

Note: ANSI/AWWA C151/A21.51

For >1,000, Deduct

-4.59

For Class 52, Add

21.58

For Class 53, Add

39.03

For Class 54, Add

55.74

For Class 55, Add

64.00

For Class 56, Add

72.11

33 14 13 13-0005 LF 4", Class 50, Mechanical Joint Ductile Iron Pipe100.10 14.29

For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add

54.92

For Cement Mortar Lining (CML), Add

7.85

Note: ANSI/AWWA C104/A21.4

For 40 Mil Ceramic Epoxy Lining (P401), Add

42.36

For Fusion Bonded Epoxy Lining (206N), Add

14.12

Note: ANSI/AWWA C104/A21.4

For Bituminous Or Coal Tar Coating, 1 Mil, Add

5.88

Note: ANSI/AWWA C151/A21.51

For >1,000, Deduct

-5.01

For Class 51, Add

10.96

For Class 52, Add

23.69

For Class 53, Add

42.85

For Class 54, Add

61.21

For Class 55, Add

70.27

For Class 56, Add

79.17

33 14 13 13-0006 LF 6", Class 50, Mechanical Joint Ductile Iron Pipe107.84 15.00

For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add

59.61

For Cement Mortar Lining (CML), Add

8.52

Note: ANSI/AWWA C104/A21.4

For 40 Mil Ceramic Epoxy Lining (P401), Add

45.99

For Fusion Bonded Epoxy Lining (206N), Add

15.33

Note: ANSI/AWWA C104/A21.4

For Bituminous Or Coal Tar Coating, 1 Mil, Add

6.39

Note: ANSI/AWWA C151/A21.51

For >1,000, Deduct

-5.39

For Class 51, Add

11.89

For Class 52, Add

25.70

For Class 53, Add

46.49

For Class 54, Add

66.40

For Class 55, Add

76.23

For Class 56, Add

85.88

33 14 13 13-0007 LF 8", Class 50, Mechanical Joint Ductile Iron Pipe132.55 15.60

For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add

76.25

For Cement Mortar Lining (CML), Add

10.89

Note: ANSI/AWWA C104/A21.4

For 40 Mil Ceramic Epoxy Lining (P401), Add

58.82

For Fusion Bonded Epoxy Lining (206N), Add

19.61

Note: ANSI/AWWA C104/A21.4

For Bituminous Or Coal Tar Coating, 1 Mil, Add

8.17

Note: ANSI/AWWA C151/A21.51

For >1,000, Deduct

-6.63

For Class 51, Add

15.14

For Class 52, Add

32.74

For Class 53, Add

59.26

For Class 54, Add

84.66

For Class 55, Add

97.17

For Class 56, Add

109.45

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0008	LF	10", Class 50, Mechanical Joint Ductile Iron Pipe.....	175.32	22.18
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	85.03	
		For Cement Mortar Lining (CML), Add	14.17	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	70.86	
		For Fusion Bonded Epoxy Lining (206N), Add	25.51	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	10.63	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	-8.77	
		For Class 51, Add	19.74	
		For Class 52, Add	42.66	
		For Class 53, Add	77.21	
		For Class 54, Add	110.29	
		For Class 55, Add	126.60	
		For Class 56, Add	142.61	
33 14 13 13-0009	LF	12", Class 50, Mechanical Joint Ductile Iron Pipe.....	218.33	24.64
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	90.50	
		For Cement Mortar Lining (CML), Add	18.10	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	72.40	
		For Fusion Bonded Epoxy Lining (206N), Add	32.58	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	13.58	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	-10.92	
		For Class 51, Add	25.14	
		For Class 52, Add	54.35	
		For Class 53, Add	98.40	
		For Class 54, Add	140.58	
		For Class 55, Add	161.34	
		For Class 56, Add	181.72	
33 14 13 13-0010	LF	14", Class 50, Mechanical Joint Ductile Iron Pipe.....	266.47	27.66
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	98.77	
		For Cement Mortar Lining (CML), Add	22.45	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	76.32	
		For Fusion Bonded Epoxy Lining (206N), Add	40.40	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	16.84	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	-13.32	
		For Class 51, Add	31.12	
		For Class 52, Add	67.29	
		For Class 53, Add	121.87	
		For Class 54, Add	174.13	
		For Class 55, Add	199.82	
		For Class 56, Add	225.04	
33 14 13 13-0011	LF	16", Class 50, Mechanical Joint Ductile Iron Pipe.....	299.64	31.69
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	103.17	
		For Cement Mortar Lining (CML), Add	25.16	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	78.01	
		For Fusion Bonded Epoxy Lining (206N), Add	45.30	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	18.87	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	-14.98	
		For Class 51, Add	34.90	
		For Class 52, Add	75.46	
		For Class 53, Add	136.65	
		For Class 54, Add	195.26	
		For Class 55, Add	224.07	
		For Class 56, Add	252.35	
33 14 13 13-0012	LF	18", Class 50, Mechanical Joint Ductile Iron Pipe.....	378.71	36.96
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	132.32	
		For Cement Mortar Lining (CML), Add	32.27	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	100.04	
		For Fusion Bonded Epoxy Lining (206N), Add	58.09	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	24.20	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	-18.94	
		For Class 51, Add	44.69	
		For Class 52, Add	96.63	
		For Class 53, Add	175.05	
		For Class 54, Add	250.13	
		For Class 55, Add	287.01	
		For Class 56, Add	323.21	

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 14 13 13-0013	LF	20", Class 50, Mechanical Joint Ductile Iron Pipe.....	422.60	44.35
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	135.05	
		For Cement Mortar Lining (CML), Add	35.54	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	99.51	
		For Fusion Bonded Epoxy Lining (206N), Add	63.97	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	26.66	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	-21.13	
		For Class 51, Add	49.28	
		For Class 52, Add	106.56	
		For Class 53, Add	192.98	
		For Class 54, Add	275.74	
		For Class 55, Add	316.42	
		For Class 56, Add	356.35	
33 14 13 13-0014	LF	24", Class 50, Mechanical Joint Ductile Iron Pipe.....	560.98	55.44
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	147.87	
		For Cement Mortar Lining (CML), Add	47.70	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	100.17	
		For Fusion Bonded Epoxy Lining (206N), Add	85.86	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	35.77	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	-28.05	
		For Class 51, Add	66.06	
		For Class 52, Add	142.86	
		For Class 53, Add	258.77	
		For Class 54, Add	369.76	
		For Class 55, Add	424.29	
		For Class 56, Add	477.80	
33 14 13 13-0015	LF	30", Class 50, Mechanical Joint Ductile Iron Pipe.....	762.23	59.70
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	208.52	
		For Cement Mortar Lining (CML), Add	67.26	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	121.07	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	50.45	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	-38.11	
		For Class 51, Add	92.80	
		For Class 52, Add	200.73	
		For Class 53, Add	363.82	
		For Class 54, Add	519.98	
		For Class 55, Add	596.51	
		For Class 56, Add	671.61	
33 14 13 13-0016	LF	36", Class 50, Mechanical Joint Ductile Iron Pipe.....	936.27	63.39
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	260.73	
		For Cement Mortar Lining (CML), Add	84.11	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	151.39	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	63.08	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	-46.81	
		For Class 51, Add	115.83	
		For Class 52, Add	250.58	
		For Class 53, Add	454.30	
		For Class 54, Add	649.36	
		For Class 55, Add	744.84	
		For Class 56, Add	838.55	
33 14 13 13-0017	LF	42", Class 50, Mechanical Joint Ductile Iron Pipe.....	1,184.29	67.08
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	335.88	
		For Cement Mortar Lining (CML), Add	108.35	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	195.03	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	81.26	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	-59.21	
		For Class 51, Add	148.94	
		For Class 52, Add	322.26	
		For Class 53, Add	584.42	
		For Class 54, Add	835.43	
		For Class 55, Add	958.15	
		For Class 56, Add	1,078.59	
33 14 13 13-0018	LF	48", Class 50, Mechanical Joint Ductile Iron Pipe.....	1,487.40	70.89
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	428.11	
		For Cement Mortar Lining (CML), Add	138.10	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	248.58	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	103.58	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	-74.37	
		For Class 51, Add	189.56	
		For Class 52, Add	410.20	
		For Class 53, Add	744.07	
		For Class 54, Add	1,063.73	
		For Class 55, Add	1,219.87	
		For Class 56, Add	1,373.11	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 14 13 13-0019 Mechanical Joint Ductile Iron 90 Degree Elbow (33 14 13 13-0002)					
33 14 13 13-0020	EA		3" Mechanical Joint Ductile Iron 90 Degree Elbow	197.77	42.41
			For Cement Mortar Lining (CML), Add	13.35	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	24.03	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	10.01	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0021	EA		4" Mechanical Joint Ductile Iron 90 Degree Elbow	222.08	50.67
			For Cement Mortar Lining (CML), Add	14.53	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	26.16	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	10.90	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0022	EA		6" Mechanical Joint Ductile Iron 90 Degree Elbow	350.99	74.88
			For Cement Mortar Lining (CML), Add	23.76	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	42.77	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	17.82	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0023	EA		8" Mechanical Joint Ductile Iron 90 Degree Elbow	480.23	88.82
			For Cement Mortar Lining (CML), Add	34.56	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	62.21	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	25.92	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0024	EA		10" Mechanical Joint Ductile Iron 90 Degree Elbow	698.76	98.33
			For Cement Mortar Lining (CML), Add	54.98	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	98.97	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	41.24	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0025	EA		12" Mechanical Joint Ductile Iron 90 Degree Elbow	914.98	115.36
			For Cement Mortar Lining (CML), Add	74.03	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	133.25	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	55.52	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0026	EA		14" Mechanical Joint Ductile Iron 90 Degree Elbow	1,435.01	129.36
			For Cement Mortar Lining (CML), Add	123.90	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	223.03	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	92.93	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0027	EA		16" Mechanical Joint Ductile Iron 90 Degree Elbow	1,906.80	147.83
			For Cement Mortar Lining (CML), Add	168.28	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	302.91	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	126.21	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0028	EA		18" Mechanical Joint Ductile Iron 90 Degree Elbow	2,339.97	206.97
			For Cement Mortar Lining (CML), Add	202.64	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	364.76	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	151.98	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0029	EA		20" Mechanical Joint Ductile Iron 90 Degree Elbow	3,217.58	258.71
			For Cement Mortar Lining (CML), Add	282.56	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	508.61	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	211.92	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0030	EA		24" Mechanical Joint Ductile Iron 90 Degree Elbow	4,739.85	344.49
			For Cement Mortar Lining (CML), Add	421.78	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	759.21	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	316.34	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0031	EA		30" Mechanical Joint Ductile Iron 90 Degree Elbow	7,328.51	369.58
			For Cement Mortar Lining (CML), Add	676.85	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	1,218.34	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	507.64	
			Note: ANSI/AWWA C151/A21.51		

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
33 14 13 13-0032	EA 36" Mechanical Joint Ductile Iron 90 Degree Elbow	11,163.12		383.69
	For Cement Mortar Lining (CML), Add	1,058.18		
	Note: ANSI/AWWA C104/A21.4			
	For Fusion Bonded Epoxy Lining (206N), Add	1,904.73		
	Note: ANSI/AWWA C104/A21.4			
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	793.64		
	Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0033	EA 42" Mechanical Joint Ductile Iron 90 Degree Elbow	18,817.60		443.50
	For Cement Mortar Lining (CML), Add	1,814.56		
	Note: ANSI/AWWA C104/A21.4			
	For Fusion Bonded Epoxy Lining (206N), Add	3,266.21		
	Note: ANSI/AWWA C104/A21.4			
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,360.92		
	Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0034	EA 48" Mechanical Joint Ductile Iron 90 Degree Elbow	24,910.34		471.83
	For Cement Mortar Lining (CML), Add	2,419.55		
	Note: ANSI/AWWA C104/A21.4			
	For Fusion Bonded Epoxy Lining (206N), Add	4,355.19		
	Note: ANSI/AWWA C104/A21.4			
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,814.66		
	Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0035 Mechanical Joint Ductile Iron 45 Degree Elbow (33 14 13 13-0002)				
33 14 13 13-0036	EA 3" Mechanical Joint Ductile Iron 45 Degree Elbow	184.03		42.41
	For Cement Mortar Lining (CML), Add	11.98		
	Note: ANSI/AWWA C104/A21.4			
	For Fusion Bonded Epoxy Lining (206N), Add	21.56		
	Note: ANSI/AWWA C104/A21.4			
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	8.98		
	Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0037	EA 4" Mechanical Joint Ductile Iron 45 Degree Elbow	196.55		50.67
	For Cement Mortar Lining (CML), Add	11.98		
	Note: ANSI/AWWA C104/A21.4			
	For Fusion Bonded Epoxy Lining (206N), Add	21.56		
	Note: ANSI/AWWA C104/A21.4			
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	8.98		
	Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0038	EA 6" Mechanical Joint Ductile Iron 45 Degree Elbow	305.82		74.88
	For Cement Mortar Lining (CML), Add	19.24		
	Note: ANSI/AWWA C104/A21.4			
	For Fusion Bonded Epoxy Lining (206N), Add	34.64		
	Note: ANSI/AWWA C104/A21.4			
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	14.43		
	Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0039	EA 8" Mechanical Joint Ductile Iron 45 Degree Elbow	415.43		88.82
	For Cement Mortar Lining (CML), Add	28.08		
	Note: ANSI/AWWA C104/A21.4			
	For Fusion Bonded Epoxy Lining (206N), Add	50.54		
	Note: ANSI/AWWA C104/A21.4			
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	21.06		
	Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0040	EA 10" Mechanical Joint Ductile Iron 45 Degree Elbow	559.34		98.33
	For Cement Mortar Lining (CML), Add	41.04		
	Note: ANSI/AWWA C104/A21.4			
	For Fusion Bonded Epoxy Lining (206N), Add	73.87		
	Note: ANSI/AWWA C104/A21.4			
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	30.78		
	Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0041	EA 12" Mechanical Joint Ductile Iron 45 Degree Elbow	787.34		115.36
	For Cement Mortar Lining (CML), Add	61.26		
	Note: ANSI/AWWA C104/A21.4			
	For Fusion Bonded Epoxy Lining (206N), Add	110.28		
	Note: ANSI/AWWA C104/A21.4			
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	45.95		
	Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0042	EA 14" Mechanical Joint Ductile Iron 45 Degree Elbow	1,160.11		129.36
	For Cement Mortar Lining (CML), Add	96.41		
	Note: ANSI/AWWA C104/A21.4			
	For Fusion Bonded Epoxy Lining (206N), Add	173.54		
	Note: ANSI/AWWA C104/A21.4			
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	72.31		
	Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0043	EA 16" Mechanical Joint Ductile Iron 45 Degree Elbow	1,425.71		147.83
	For Cement Mortar Lining (CML), Add	120.17		
	Note: ANSI/AWWA C104/A21.4			
	For Fusion Bonded Epoxy Lining (206N), Add	216.31		
	Note: ANSI/AWWA C104/A21.4			
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	90.13		
	Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0044	EA 18" Mechanical Joint Ductile Iron 45 Degree Elbow	2,037.57		206.97
	For Cement Mortar Lining (CML), Add	172.40		
	Note: ANSI/AWWA C104/A21.4			
	For Fusion Bonded Epoxy Lining (206N), Add	310.33		
	Note: ANSI/AWWA C104/A21.4			
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	129.30		
	Note: ANSI/AWWA C151/A21.51			

			Utilities	33	
			Water Utilities	33 10	
			Water Utility Transmission and Distribution	33 14	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0045	EA	20" Mechanical Joint Ductile Iron 45 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,233.82 184.19 331.53 138.14	258.71
33 14 13 13-0046	EA	24" Mechanical Joint Ductile Iron 45 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,320.17 279.81 503.66 209.86	344.49
33 14 13 13-0047	EA	30" Mechanical Joint Ductile Iron 45 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,244.60 568.46 1,023.23 426.35	369.58
33 14 13 13-0048	EA	36" Mechanical Joint Ductile Iron 45 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,893.20 831.19 1,496.15 623.39	383.69
33 14 13 13-0049	EA	42" Mechanical Joint Ductile Iron 45 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	13,443.22 1,277.13 2,298.83 957.84	443.50
33 14 13 13-0050	EA	48" Mechanical Joint Ductile Iron 45 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	17,450.62 1,673.58 3,012.44 1,255.18	471.83
33 14 13 13-0051 Mechanical Joint Ductile Iron 22-1/2 Degree Elbow (33 14 13 13-0002)				
33 14 13 13-0052	EA	3" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	158.50 9.43 16.97 7.07	42.41
33 14 13 13-0053	EA	4" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	190.66 11.39 20.50 8.54	50.67
33 14 13 13-0054	EA	6" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	290.11 17.67 31.81 13.25	74.88
33 14 13 13-0055	EA	8" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	409.54 27.49 49.48 20.62	88.82
33 14 13 13-0056	EA	10" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	557.38 40.84 73.52 30.63	98.33
33 14 13 13-0057	EA	12" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	710.76 53.61 96.49 40.20	115.36

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
33 14 13 13-0058	EA	14" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	.....	1,171.89	129.36
		For Cement Mortar Lining (CML), Add		97.59	
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add		175.66	
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		73.19	
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0059	EA	16" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	.....	1,376.62	147.83
		For Cement Mortar Lining (CML), Add		115.26	
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add		207.47	
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		86.45	
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0060	EA	18" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	.....	1,729.29	206.97
		For Cement Mortar Lining (CML), Add		141.58	
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add		254.84	
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		106.18	
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0061	EA	20" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	.....	2,316.29	258.71
		For Cement Mortar Lining (CML), Add		192.43	
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add		346.38	
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		144.32	
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0062	EA	24" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	.....	3,104.17	344.49
		For Cement Mortar Lining (CML), Add		258.21	
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add		464.78	
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		193.66	
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0063	EA	30" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	.....	5,323.67	369.58
		For Cement Mortar Lining (CML), Add		476.37	
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add		857.46	
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		357.28	
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0064	EA	36" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	.....	7,563.84	383.69
		For Cement Mortar Lining (CML), Add		698.26	
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add		1,256.86	
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		523.69	
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0065	EA	42" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	.....	11,214.54	443.50
		For Cement Mortar Lining (CML), Add		1,054.26	
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add		1,897.66	
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		790.69	
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0066	EA	48" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	.....	14,442.39	471.83
		For Cement Mortar Lining (CML), Add		1,372.75	
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add		2,470.96	
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		1,029.56	
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0067		Mechanical Joint Ductile Iron 11-1/4 Degree Elbow (33 14 13 13-0002)			
33 14 13 13-0068	EA	3" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	.....	158.50	42.41
		For Cement Mortar Lining (CML), Add		9.43	
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add		16.97	
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		7.07	
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0069	EA	4" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	.....	184.77	50.67
		For Cement Mortar Lining (CML), Add		10.80	
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add		19.44	
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		8.10	
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0070	EA	6" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	.....	296.00	74.88
		For Cement Mortar Lining (CML), Add		18.26	
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add		32.87	
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		13.70	
		Note: ANSI/AWWA C151/A21.51			

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0071 EA 8" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	384.02	88.82
For Cement Mortar Lining (CML), Add	24.94	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	44.89	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	18.70	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0072 EA 10" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	553.45	98.33
For Cement Mortar Lining (CML), Add	40.45	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	72.81	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	30.34	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0073 EA 12" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	677.38	115.36
For Cement Mortar Lining (CML), Add	50.27	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	90.48	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	37.70	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0074 EA 14" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,309.34	129.36
For Cement Mortar Lining (CML), Add	111.34	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	200.40	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	83.50	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0075 EA 16" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,443.39	147.83
For Cement Mortar Lining (CML), Add	121.94	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	219.49	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	91.46	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0076 EA 18" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	2,102.37	206.97
For Cement Mortar Lining (CML), Add	178.88	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	321.99	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	134.16	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0077 EA 20" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	2,204.36	258.71
For Cement Mortar Lining (CML), Add	181.24	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	326.23	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	135.93	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0078 EA 24" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	2,939.23	344.49
For Cement Mortar Lining (CML), Add	241.72	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	435.09	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	181.29	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0079 EA 30" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	5,410.07	369.58
For Cement Mortar Lining (CML), Add	485.01	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	873.02	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	363.76	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0080 EA 36" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	7,210.39	383.69
For Cement Mortar Lining (CML), Add	662.91	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,193.24	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	497.18	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0081 EA 42" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	10,733.46	443.50
For Cement Mortar Lining (CML), Add	1,006.15	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,811.07	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	754.61	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0082 EA 48" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	14,348.13	471.83
For Cement Mortar Lining (CML), Add	1,363.33	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	2,453.99	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,022.50	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0083 Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow (33 14 13 13-0002)		

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 14 13 13-0084	EA	3" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow.....	203.67	42.41
		For Cement Mortar Lining (CML), Add	13.94	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	25.10	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	10.46	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0085	EA	4" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow.....	249.57	50.67
		For Cement Mortar Lining (CML), Add	17.28	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	31.10	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	12.96	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0086	EA	6" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow.....	400.08	74.88
		For Cement Mortar Lining (CML), Add	28.67	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	51.60	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	21.50	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0087	EA	8" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow.....	545.03	88.82
		For Cement Mortar Lining (CML), Add	41.04	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	73.87	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	30.78	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0088	EA	10" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow.....	793.01	98.33
		For Cement Mortar Lining (CML), Add	64.41	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	115.93	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	48.30	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0089	EA	12" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow.....	1,017.08	115.36
		For Cement Mortar Lining (CML), Add	84.24	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	151.63	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	63.18	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0090	EA	14" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow.....	1,762.93	129.36
		For Cement Mortar Lining (CML), Add	156.70	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	282.05	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	117.52	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0091	EA	16" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow.....	2,705.98	147.83
		For Cement Mortar Lining (CML), Add	248.20	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	446.76	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	186.15	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0092	EA	18" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow.....	3,133.26	206.97
		For Cement Mortar Lining (CML), Add	281.97	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	507.55	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	211.48	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0093	EA	20" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow.....	4,262.22	258.71
		For Cement Mortar Lining (CML), Add	387.03	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	696.65	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	290.27	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0094	EA	24" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow.....	5,171.84	344.49
		For Cement Mortar Lining (CML), Add	464.98	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	836.96	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	348.74	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0095	EA	30" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow.....	9,716.25	369.58
		For Cement Mortar Lining (CML), Add	915.63	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,648.13	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	686.72	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0096	EA	36" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow.....	17,454.49	383.69
		For Cement Mortar Lining (CML), Add	1,687.32	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	3,037.18	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,265.49	
		Note: ANSI/AWWA C151/A21.51		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 14 13 13-0097			Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow (33 14 13 13-0002)		
33 14 13 13-0098	EA		3" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	185.99	42.41
			For Cement Mortar Lining (CML), Add	12.17	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	21.91	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	9.13	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0099	EA		4" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	202.44	50.67
			For Cement Mortar Lining (CML), Add	12.57	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	22.62	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	9.43	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0100	EA		6" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	327.42	74.88
			For Cement Mortar Lining (CML), Add	21.40	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	38.53	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	16.05	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0101	EA		8" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	478.27	88.82
			For Cement Mortar Lining (CML), Add	34.36	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	61.85	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	25.77	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0102	EA		10" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	659.49	98.33
			For Cement Mortar Lining (CML), Add	51.05	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	91.90	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	38.29	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0103	EA		12" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	901.23	115.36
			For Cement Mortar Lining (CML), Add	72.65	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	130.78	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	54.49	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0104	EA		14" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	1,556.75	129.36
			For Cement Mortar Lining (CML), Add	136.08	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	244.94	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	102.06	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0105	EA		16" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	2,381.99	147.83
			For Cement Mortar Lining (CML), Add	215.80	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	388.44	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	161.85	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0106	EA		18" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	2,805.34	206.97
			For Cement Mortar Lining (CML), Add	249.18	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	448.53	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	186.89	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0107	EA		20" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	3,645.65	258.71
			For Cement Mortar Lining (CML), Add	325.37	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	585.66	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	244.03	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0108	EA		24" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	4,576.87	344.49
			For Cement Mortar Lining (CML), Add	405.48	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	729.87	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	304.11	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0109	EA		30" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	8,524.34	369.58
			For Cement Mortar Lining (CML), Add	796.44	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	1,433.58	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	597.33	
			Note: ANSI/AWWA C151/A21.51		

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 14 13 13-0110	EA	36" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	15,261.15	383.69
		For Cement Mortar Lining (CML), Add	1,467.99	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	2,642.38	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,100.99	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0111 Mechanical Joint Ductile Iron Tee (33 14 13 13-0002)

33 14 13 13-0112	EA	3" x 3" Mechanical Joint Ductile Iron Tee.....	324.16	63.61
		For Cement Mortar Lining (CML), Add	22.78	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	41.00	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	17.08	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0113	EA	4" x 3" Mechanical Joint Ductile Iron Tee.....	335.50	71.09
		For Cement Mortar Lining (CML), Add	22.78	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	41.00	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	17.08	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0114	EA	4" x 4" Mechanical Joint Ductile Iron Tee.....	303.86	74.88
		For Cement Mortar Lining (CML), Add	19.05	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	34.28	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	14.29	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0115	EA	6" x 3" Mechanical Joint Ductile Iron Tee.....	406.04	94.33
		For Cement Mortar Lining (CML), Add	26.31	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	47.36	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	19.73	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0116	EA	6" x 4" Mechanical Joint Ductile Iron Tee.....	468.88	98.23
		For Cement Mortar Lining (CML), Add	32.01	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	57.61	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	24.01	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0117	EA	6" x 6" Mechanical Joint Ductile Iron Tee.....	510.16	109.96
		For Cement Mortar Lining (CML), Add	34.36	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	61.85	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	25.77	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0118	EA	8" x 4" Mechanical Joint Ductile Iron Tee.....	543.58	113.82
		For Cement Mortar Lining (CML), Add	37.11	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	66.80	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	27.83	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0119	EA	8" x 6" Mechanical Joint Ductile Iron Tee.....	618.24	125.52
		For Cement Mortar Lining (CML), Add	42.81	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	77.05	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	32.10	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0120	EA	8" x 8" Mechanical Joint Ductile Iron Tee.....	718.43	133.35
		For Cement Mortar Lining (CML), Add	51.64	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	92.96	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	38.73	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0121	EA	10" x 4" Mechanical Joint Ductile Iron Tee.....	754.60	122.20
		For Cement Mortar Lining (CML), Add	56.94	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	102.50	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	42.71	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0122	EA	10" x 6" Mechanical Joint Ductile Iron Tee.....	753.73	133.29
		For Cement Mortar Lining (CML), Add	55.18	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	99.32	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	41.38	
		Note: ANSI/AWWA C151/A21.51		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0123 EA 10" x 8" Mechanical Joint Ductile Iron Tee.....	859.19	140.69
For Cement Mortar Lining (CML), Add	64.60	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	116.28	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	48.45	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0124 EA 10" x 10" Mechanical Joint Ductile Iron Tee.....	962.30	147.83
For Cement Mortar Lining (CML), Add	73.83	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	132.90	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	55.37	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0125 EA 12" x 4" Mechanical Joint Ductile Iron Tee.....	904.64	137.00
For Cement Mortar Lining (CML), Add	69.71	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	125.47	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	52.28	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0126 EA 12" x 6" Mechanical Joint Ductile Iron Tee.....	1,029.43	148.06
For Cement Mortar Lining (CML), Add	80.51	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	144.91	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	60.38	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0127 EA 12" x 8" Mechanical Joint Ductile Iron Tee.....	1,270.38	155.47
For Cement Mortar Lining (CML), Add	103.48	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	186.27	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	77.61	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0128 EA 12" x 10" Mechanical Joint Ductile Iron Tee.....	1,361.70	162.61
For Cement Mortar Lining (CML), Add	111.53	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	200.76	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	83.65	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0129 EA 12" x 12" Mechanical Joint Ductile Iron Tee.....	1,288.46	170.01
For Cement Mortar Lining (CML), Add	103.09	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	185.56	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	77.32	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0130 EA 14" x 6" Mechanical Joint Ductile Iron Tee.....	1,376.74	172.54
For Cement Mortar Lining (CML), Add	111.53	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	200.76	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	83.65	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0131 EA 14" x 8" Mechanical Joint Ductile Iron Tee.....	1,535.22	179.94
For Cement Mortar Lining (CML), Add	126.26	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	227.27	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	94.69	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0132 EA 14" x 10" Mechanical Joint Ductile Iron Tee.....	1,970.17	187.08
For Cement Mortar Lining (CML), Add	168.67	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	303.61	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	126.50	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0133 EA 14" x 12" Mechanical Joint Ductile Iron Tee.....	2,107.04	194.47
For Cement Mortar Lining (CML), Add	181.24	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	326.23	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	135.93	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0134 EA 14" x 14" Mechanical Joint Ductile Iron Tee.....	2,029.37	206.74
For Cement Mortar Lining (CML), Add	171.62	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	308.91	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	128.71	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0135 EA 16" x 6" Mechanical Joint Ductile Iron Tee.....	1,752.79	206.96
For Cement Mortar Lining (CML), Add	143.93	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	259.08	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	107.95	
Note: ANSI/AWWA C151/A21.51		

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 14 13 13-0136	EA	16" x 8" Mechanical Joint Ductile Iron Tee.....	1,887.82	214.35
		For Cement Mortar Lining (CML), Add	156.30	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	281.35	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	117.23	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0137	EA	16" x 10" Mechanical Joint Ductile Iron Tee.....	2,204.95	221.50
		For Cement Mortar Lining (CML), Add	186.94	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	336.48	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	140.20	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0138	EA	16" x 12" Mechanical Joint Ductile Iron Tee.....	2,416.43	228.88
		For Cement Mortar Lining (CML), Add	206.96	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	372.53	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	155.22	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0139	EA	16" x 14" Mechanical Joint Ductile Iron Tee.....	2,916.06	241.12
		For Cement Mortar Lining (CML), Add	255.07	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	459.13	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	191.30	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0140	EA	16" x 16" Mechanical Joint Ductile Iron Tee.....	2,749.69	258.38
		For Cement Mortar Lining (CML), Add	235.83	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	424.49	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	176.87	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0141	EA	18" x 6" Mechanical Joint Ductile Iron Tee.....	2,439.53	264.87
		For Cement Mortar Lining (CML), Add	203.82	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	366.88	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	152.87	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0142	EA	18" x 8" Mechanical Joint Ductile Iron Tee.....	2,619.61	272.26
		For Cement Mortar Lining (CML), Add	220.71	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	397.28	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	165.53	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0143	EA	18" x 10" Mechanical Joint Ductile Iron Tee.....	2,838.57	279.40
		For Cement Mortar Lining (CML), Add	241.52	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	434.74	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	181.14	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0144	EA	18" x 12" Mechanical Joint Ductile Iron Tee.....	3,055.95	286.80
		For Cement Mortar Lining (CML), Add	262.14	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	471.85	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	196.61	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0145	EA	18" x 14" Mechanical Joint Ductile Iron Tee.....	3,143.20	299.03
		For Cement Mortar Lining (CML), Add	269.01	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	484.22	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	201.76	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0146	EA	18" x 16" Mechanical Joint Ductile Iron Tee.....	3,355.82	316.24
		For Cement Mortar Lining (CML), Add	287.67	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	517.80	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	215.75	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0147	EA	18" x 18" Mechanical Joint Ductile Iron Tee.....	3,935.76	345.17
		For Cement Mortar Lining (CML), Add	341.27	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	614.29	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	255.96	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0148	EA	20" x 6" Mechanical Joint Ductile Iron Tee.....	2,868.96	379.82
		For Cement Mortar Lining (CML), Add	229.35	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	412.83	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	172.01	
		Note: ANSI/AWWA C151/A21.51		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0149 EA 20" x 8" Mechanical Joint Ductile Iron Tee.....	2,931.23	387.22
For Cement Mortar Lining (CML), Add	234.45	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	422.02	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	175.84	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0150 EA 20" x 10" Mechanical Joint Ductile Iron Tee.....	3,199.29	394.35
For Cement Mortar Lining (CML), Add	260.18	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	468.32	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	195.13	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0151 EA 20" x 12" Mechanical Joint Ductile Iron Tee.....	3,465.75	401.75
For Cement Mortar Lining (CML), Add	285.70	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	514.27	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	214.28	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0152 EA 20" x 14" Mechanical Joint Ductile Iron Tee.....	3,505.88	413.98
For Cement Mortar Lining (CML), Add	287.86	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	518.16	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	215.90	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0153 EA 20" x 16" Mechanical Joint Ductile Iron Tee.....	3,555.52	431.19
For Cement Mortar Lining (CML), Add	290.22	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	522.40	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	217.67	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0154 EA 20" x 18" Mechanical Joint Ductile Iron Tee.....	4,486.94	460.15
For Cement Mortar Lining (CML), Add	378.98	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	682.16	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	284.23	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0155 EA 20" x 20" Mechanical Joint Ductile Iron Tee.....	3,929.96	517.64
For Cement Mortar Lining (CML), Add	314.57	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	566.22	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	235.93	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0156 EA 24" x 6" Mechanical Joint Ductile Iron Tee.....	3,507.98	494.42
For Cement Mortar Lining (CML), Add	275.89	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	496.59	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	206.91	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0157 EA 24" x 8" Mechanical Joint Ductile Iron Tee.....	3,554.53	502.52
For Cement Mortar Lining (CML), Add	279.42	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	502.96	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	209.57	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0158 EA 24" x 10" Mechanical Joint Ductile Iron Tee.....	3,926.66	508.96
For Cement Mortar Lining (CML), Add	315.55	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	567.99	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	236.66	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0159 EA 24" x 12" Mechanical Joint Ductile Iron Tee.....	4,026.21	516.35
For Cement Mortar Lining (CML), Add	324.39	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	583.90	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	243.29	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0160 EA 24" x 14" Mechanical Joint Ductile Iron Tee.....	4,543.49	528.58
For Cement Mortar Lining (CML), Add	374.26	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	673.67	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	280.70	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0161 EA 24" x 16" Mechanical Joint Ductile Iron Tee.....	4,913.21	545.79
For Cement Mortar Lining (CML), Add	408.63	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	735.53	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	306.47	
Note: ANSI/AWWA C151/A21.51		

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 14 13 13-0162	EA	24" x 18" Mechanical Joint Ductile Iron Tee.....	5,593.29	574.75
		For Cement Mortar Lining (CML), Add	472.25	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	850.04	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	354.18	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0163	EA	24" x 20" Mechanical Joint Ductile Iron Tee.....	6,200.72	632.22
		For Cement Mortar Lining (CML), Add	524.28	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	943.71	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	393.21	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0164	EA	24" x 24" Mechanical Joint Ductile Iron Tee.....	5,714.17	689.55
		For Cement Mortar Lining (CML), Add	466.94	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	840.50	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	350.21	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0165	EA	30" x 8" Mechanical Joint Ductile Iron Tee.....	6,152.06	583.25
		For Cement Mortar Lining (CML), Add	526.83	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	948.30	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	395.13	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0166	EA	30" x 10" Mechanical Joint Ductile Iron Tee.....	6,486.86	590.39
		For Cement Mortar Lining (CML), Add	559.23	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,006.62	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	419.42	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0167	EA	30" x 12" Mechanical Joint Ductile Iron Tee.....	6,822.06	597.78
		For Cement Mortar Lining (CML), Add	591.63	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,064.94	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	443.72	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0168	EA	30" x 14" Mechanical Joint Ductile Iron Tee.....	7,300.08	610.02
		For Cement Mortar Lining (CML), Add	637.58	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,147.65	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	478.19	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0169	EA	30" x 16" Mechanical Joint Ductile Iron Tee.....	7,817.05	811.63
		For Cement Mortar Lining (CML), Add	686.67	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,236.01	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	515.00	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0170	EA	30" x 18" Mechanical Joint Ductile Iron Tee.....	8,025.86	656.18
		For Cement Mortar Lining (CML), Add	703.17	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,265.70	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	527.37	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0171	EA	30" x 20" Mechanical Joint Ductile Iron Tee.....	8,342.69	713.67
		For Cement Mortar Lining (CML), Add	726.14	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,307.05	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	544.60	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0172	EA	30" x 24" Mechanical Joint Ductile Iron Tee.....	8,761.36	770.95
		For Cement Mortar Lining (CML), Add	759.32	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,366.78	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	569.49	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0173	EA	30" x 30" Mechanical Joint Ductile Iron Tee.....	11,018.35	811.63
		For Cement Mortar Lining (CML), Add	978.86	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,761.94	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	734.14	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0174	EA	30" x 6" Mechanical Joint Ductile Iron Tee.....	6,439.32	575.86
		For Cement Mortar Lining (CML), Add	556.68	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,002.03	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	417.51	
		Note: ANSI/AWWA C151/A21.51		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0175 EA 36" x 8" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,534.83 655.45 1,179.81 491.59	647.01
33 14 13 13-0176 EA 36" x 10" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,397.85 740.67 1,333.21 555.50	654.16
33 14 13 13-0177 EA 36" x 12" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,864.60 786.23 1,415.21 589.67	661.55
33 14 13 13-0178 EA 36" x 14" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	9,199.28 817.84 1,472.11 613.38	673.78
33 14 13 13-0179 EA 36" x 16" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	9,537.57 849.06 1,528.31 636.80	690.99
33 14 13 13-0180 EA 36" x 18" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,186.23 909.54 1,637.17 682.16	719.95
33 14 13 13-0181 EA 36" x 20" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,880.06 970.22 1,746.39 727.66	777.43
33 14 13 13-0182 EA 36" x 24" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	12,042.93 1,077.82 1,940.08 808.37	834.72
33 14 13 13-0183 EA 36" x 30" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	13,324.04 1,199.76 2,159.57 899.82	907.38
33 14 13 13-0184 EA 36" x 36" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	15,581.38 1,420.67 2,557.20 1,065.50	907.38
33 14 13 13-0185 EA 42" x 12" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	17,582.01 1,652.57 2,974.62 1,239.42	697.19
33 14 13 13-0186 EA 42" x 14" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	17,934.36 1,685.95 3,034.70 1,264.46	709.43
33 14 13 13-0187 EA 42" x 16" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	19,945.63 1,884.47 3,392.04 1,413.35	726.63

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 14 13 13-0188	EA	42" x 18" Mechanical Joint Ductile Iron Tee.....	18,634.62	755.58
		For Cement Mortar Lining (CML), Add	1,748.98	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	3,148.16	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,311.73	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0189	EA	42" x 20" Mechanical Joint Ductile Iron Tee.....	18,721.70	813.07
		For Cement Mortar Lining (CML), Add	1,748.98	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	3,148.16	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,311.73	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0190	EA	42" x 24" Mechanical Joint Ductile Iron Tee.....	19,128.58	870.37
		For Cement Mortar Lining (CML), Add	1,780.99	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	3,205.77	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,335.74	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0191	EA	42" x 30" Mechanical Joint Ductile Iron Tee.....	23,227.45	911.08
		For Cement Mortar Lining (CML), Add	2,184.70	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	3,932.46	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,638.53	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0192	EA	42" x 36" Mechanical Joint Ductile Iron Tee.....	24,192.75	942.97
		For Cement Mortar Lining (CML), Add	2,276.40	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	4,097.52	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,707.30	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0193	EA	42" x 42" Mechanical Joint Ductile Iron Tee.....	25,600.17	960.80
		For Cement Mortar Lining (CML), Add	2,414.44	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	4,346.00	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,810.83	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0194	EA	48" x 12" Mechanical Joint Ductile Iron Tee.....	20,729.32	754.00
		For Cement Mortar Lining (CML), Add	1,958.69	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	3,525.64	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,469.02	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0195	EA	48" x 14" Mechanical Joint Ductile Iron Tee.....	21,101.30	766.22
		For Cement Mortar Lining (CML), Add	1,994.04	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	3,589.26	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,495.53	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0196	EA	48" x 16" Mechanical Joint Ductile Iron Tee.....	21,628.10	783.44
		For Cement Mortar Lining (CML), Add	2,044.11	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	3,679.39	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,533.08	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0197	EA	48" x 18" Mechanical Joint Ductile Iron Tee.....	22,170.72	812.39
		For Cement Mortar Lining (CML), Add	2,093.98	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	3,769.17	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,570.49	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0198	EA	48" x 20" Mechanical Joint Ductile Iron Tee.....	22,758.52	869.86
		For Cement Mortar Lining (CML), Add	2,144.06	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	3,859.30	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,608.04	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0199	EA	48" x 24" Mechanical Joint Ductile Iron Tee.....	22,912.10	927.16
		For Cement Mortar Lining (CML), Add	2,150.73	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	3,871.32	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,613.05	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0200	EA	48" x 30" Mechanical Joint Ductile Iron Tee.....	27,920.11	967.88
		For Cement Mortar Lining (CML), Add	2,645.36	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	4,761.65	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,984.02	
		Note: ANSI/AWWA C151/A21.51		

		Utilities	33	
		Water Utilities	33 10	
		Water Utility Transmission and Distribution	33 14	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0201	EA	48" x 36" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	31,856.35 3,034.16 5,461.48 2,275.62	999.77
33 14 13 13-0202	EA	48" x 42" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	33,422.81 3,188.10 5,738.58 2,391.08	1,017.58
33 14 13 13-0203	EA	48" x 48" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	33,978.34 3,239.35 5,830.83 2,429.51	1,046.03
33 14 13 13-0204 Mechanical Joint Ductile Iron Wye (Laterals) (33 14 13 13-0002)				
33 14 13 13-0205	EA	4" x 3" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	274.63 16.69 30.04 12.52	71.09
33 14 13 13-0206	EA	4" x 4" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	425.60 31.22 56.20 23.42	74.84
33 14 13 13-0207	EA	6" x 3" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	406.04 26.31 47.36 19.73	94.33
33 14 13 13-0208	EA	6" x 4" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	470.84 32.20 57.97 24.15	98.23
33 14 13 13-0209	EA	6" x 6" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	637.79 47.13 84.83 35.34	109.90
33 14 13 13-0210	EA	8" x 4" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	822.41 65.00 116.99 48.75	113.82
33 14 13 13-0211	EA	8" x 6" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	734.10 54.39 97.91 40.79	125.52
33 14 13 13-0212	EA	8" x 8" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	889.26 68.73 123.71 51.54	133.31
33 14 13 13-0213	EA	10" x 4" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,278.89 109.37 196.87 82.03	122.20

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 14 13 13-0214	EA	10" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	1,352.63	133.29
		For Cement Mortar Lining (CML), Add	115.07	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	207.12	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	86.30	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0215	EA	10" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	1,556.27	140.69
		For Cement Mortar Lining (CML), Add	134.31	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	241.76	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	100.73	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0216	EA	10" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	1,753.63	147.83
		For Cement Mortar Lining (CML), Add	152.96	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	275.34	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	114.72	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0217	EA	12" x 4" Mechanical Joint Ductile Iron Wye (Lateral)	1,635.10	137.00
		For Cement Mortar Lining (CML), Add	142.75	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	256.96	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	107.07	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0218	EA	12" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	1,850.21	148.06
		For Cement Mortar Lining (CML), Add	162.59	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	292.65	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	121.94	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0219	EA	12" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	2,232.54	155.47
		For Cement Mortar Lining (CML), Add	199.70	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	359.46	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	149.77	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0220	EA	12" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	2,296.38	162.61
		For Cement Mortar Lining (CML), Add	205.00	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	369.00	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	153.75	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0221	EA	12" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	2,077.83	170.00
		For Cement Mortar Lining (CML), Add	182.03	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	327.65	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	136.52	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0222	EA	14" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	2,452.80	172.54
		For Cement Mortar Lining (CML), Add	219.14	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	394.45	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	164.35	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0223	EA	14" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	2,809.60	179.94
		For Cement Mortar Lining (CML), Add	253.70	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	456.65	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	190.27	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0224	EA	14" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	3,674.58	187.08
		For Cement Mortar Lining (CML), Add	339.11	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	610.41	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	254.34	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0225	EA	14" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	3,937.12	194.47
		For Cement Mortar Lining (CML), Add	364.25	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	655.65	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	273.19	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0226	EA	14" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	3,845.70	206.69
		For Cement Mortar Lining (CML), Add	353.25	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	635.85	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	264.94	
		Note: ANSI/AWWA C151/A21.51		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0227 EA 16" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	2,516.74	206.96
For Cement Mortar Lining (CML), Add	220.32	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	396.57	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	165.24	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0228 EA 16" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	2,771.44	214.35
For Cement Mortar Lining (CML), Add	244.67	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	440.40	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	183.50	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0229 EA 16" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	3,271.18	221.50
For Cement Mortar Lining (CML), Add	293.56	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	528.40	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	220.17	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0230 EA 16" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	3,661.36	228.88
For Cement Mortar Lining (CML), Add	331.46	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	596.62	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	248.59	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0231 EA 16" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	4,587.08	241.12
For Cement Mortar Lining (CML), Add	422.17	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	759.91	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	316.63	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0232 EA 16" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	4,420.72	258.32
For Cement Mortar Lining (CML), Add	402.93	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	725.28	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	302.20	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0233 EA 18" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	3,969.17	264.87
For Cement Mortar Lining (CML), Add	356.79	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	642.21	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	267.59	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0234 EA 18" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	4,274.92	272.26
For Cement Mortar Lining (CML), Add	386.24	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	695.23	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	289.68	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0235 EA 18" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	4,570.46	279.40
For Cement Mortar Lining (CML), Add	414.71	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	746.48	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	311.03	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0236 EA 18" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	4,891.91	286.80
For Cement Mortar Lining (CML), Add	445.74	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	802.33	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	334.30	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0237 EA 18" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	4,945.79	299.03
For Cement Mortar Lining (CML), Add	449.27	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	808.69	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	336.95	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0238 EA 18" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	4,995.43	316.24
For Cement Mortar Lining (CML), Add	451.63	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	812.93	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	338.72	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0239 EA 18" x 18" Mechanical Joint Ductile Iron Wye (Lateral)	4,564.11	345.19
For Cement Mortar Lining (CML), Add	404.11	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	727.40	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	303.08	
Note: ANSI/AWWA C151/A21.51		

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 14 13 13-0240	EA	20" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	4,702.97	379.82
		For Cement Mortar Lining (CML), Add	412.75	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	742.95	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	309.56	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0241	EA	20" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	4,806.47	387.22
		For Cement Mortar Lining (CML), Add	421.98	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	759.56	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	316.48	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0242	EA	20" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	5,280.71	394.35
		For Cement Mortar Lining (CML), Add	468.32	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	842.97	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	351.24	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0243	EA	20" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	5,751.38	401.75
		For Cement Mortar Lining (CML), Add	514.27	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	925.68	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	385.70	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0244	EA	20" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	5,809.18	413.98
		For Cement Mortar Lining (CML), Add	518.19	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	932.75	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	388.65	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0245	EA	20" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	5,876.50	431.19
		For Cement Mortar Lining (CML), Add	522.32	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	940.17	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	391.74	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0246	EA	20" x 18" Mechanical Joint Ductile Iron Wye (Lateral)	6,811.84	460.15
		For Cement Mortar Lining (CML), Add	611.47	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,100.64	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	458.60	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0247	EA	20" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	6,447.29	517.62
		For Cement Mortar Lining (CML), Add	566.30	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,019.34	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	424.73	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0248	EA	24" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	5,715.06	494.42
		For Cement Mortar Lining (CML), Add	496.59	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	893.87	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	372.45	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0249	EA	24" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	5,789.11	501.82
		For Cement Mortar Lining (CML), Add	502.88	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	905.18	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	377.16	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0250	EA	24" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	6,449.88	508.96
		For Cement Mortar Lining (CML), Add	567.87	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,022.17	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	425.90	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0251	EA	24" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	6,751.68	516.35
		For Cement Mortar Lining (CML), Add	596.93	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,074.48	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	447.70	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0252	EA	24" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	7,799.14	528.58
		For Cement Mortar Lining (CML), Add	699.83	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,259.69	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	524.87	
		Note: ANSI/AWWA C151/A21.51		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0253 EA 24" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	8,667.61	545.79
For Cement Mortar Lining (CML), Add	784.07	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,411.32	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	588.05	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0254 EA 24" x 18" Mechanical Joint Ductile Iron Wye (Lateral)	9,701.14	574.75
For Cement Mortar Lining (CML), Add	883.03	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,589.46	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	662.27	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0255 EA 24" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	10,658.09	632.22
For Cement Mortar Lining (CML), Add	970.02	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,746.03	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	727.51	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0256 EA 24" x 24" Mechanical Joint Ductile Iron Wye (Lateral)	9,448.94	689.52
For Cement Mortar Lining (CML), Add	840.42	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,512.76	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	630.32	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0257 EA 30" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	11,827.43	575.86
For Cement Mortar Lining (CML), Add	1,095.49	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,971.89	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	821.62	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0258 EA 30" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	13,264.22	583.25
For Cement Mortar Lining (CML), Add	1,238.05	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	2,228.49	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	928.54	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0259 EA 30" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	14,036.90	590.39
For Cement Mortar Lining (CML), Add	1,314.24	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	2,365.63	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	985.68	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0260 EA 30" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	14,809.98	597.78
For Cement Mortar Lining (CML), Add	1,390.43	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	2,502.77	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,042.82	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0261 EA 30" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	15,906.54	610.02
For Cement Mortar Lining (CML), Add	1,498.23	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	2,696.81	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,123.67	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0262 EA 30" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	17,087.20	627.22
For Cement Mortar Lining (CML), Add	1,613.69	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	2,904.63	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,210.26	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0263 EA 30" x 18" Mechanical Joint Ductile Iron Wye (Lateral)	17,517.90	656.18
For Cement Mortar Lining (CML), Add	1,652.37	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	2,974.26	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,239.28	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0264 EA 30" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	18,144.98	713.67
For Cement Mortar Lining (CML), Add	1,706.37	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	3,071.46	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,279.78	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0265 EA 30" x 24" Mechanical Joint Ductile Iron Wye (Lateral)	19,011.35	770.95
For Cement Mortar Lining (CML), Add	1,784.32	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	3,211.78	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,338.24	
Note: ANSI/AWWA C151/A21.51		

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
33 14 13 13-0266	EA	30" x 30" Mechanical Joint Ductile Iron Wye (Lateral)	.....	20,606.61	811.68
		For Cement Mortar Lining (CML), Add		1,937.68	
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add		3,487.82	
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		1,453.26	
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0267	EA	36" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	.....	22,623.55	661.55
		For Cement Mortar Lining (CML), Add		2,162.12	
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add		3,891.82	
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		1,621.59	
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0268	EA	36" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	.....	23,511.96	673.78
		For Cement Mortar Lining (CML), Add		2,249.11	
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add		4,048.39	
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		1,686.83	
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0269	EA	36" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	.....	24,396.13	690.99
		For Cement Mortar Lining (CML), Add		2,334.92	
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add		4,202.85	
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		1,751.19	
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0270	EA	36" x 18" Mechanical Joint Ductile Iron Wye (Lateral)	.....	26,103.17	719.95
		For Cement Mortar Lining (CML), Add		2,501.23	
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add		4,502.22	
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		1,875.93	
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0271	EA	36" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	.....	27,859.31	777.43
		For Cement Mortar Lining (CML), Add		2,668.14	
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add		4,802.65	
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		2,001.11	
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0272	EA	36" x 24" Mechanical Joint Ductile Iron Wye (Lateral)	.....	30,905.27	834.72
		For Cement Mortar Lining (CML), Add		2,964.05	
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add		5,335.30	
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		2,223.04	
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0273	EA	36" x 30" Mechanical Joint Ductile Iron Wye (Lateral)	.....	34,625.17	875.44
		For Cement Mortar Lining (CML), Add		3,329.87	
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add		5,993.77	
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		2,497.40	
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0274	EA	36" x 36" Mechanical Joint Ductile Iron Wye (Lateral)	.....	41,332.03	907.32
		For Cement Mortar Lining (CML), Add		3,995.73	
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add		7,192.31	
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		2,996.80	
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0275	EA	42" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	.....	36,368.57	813.07
		For Cement Mortar Lining (CML), Add		3,513.67	
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add		6,324.60	
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		2,635.25	
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0276	EA	42" x 24" Mechanical Joint Ductile Iron Wye (Lateral)	.....	37,274.21	870.37
		For Cement Mortar Lining (CML), Add		3,595.55	
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add		6,471.99	
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		2,696.66	
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0277	EA	42" x 30" Mechanical Joint Ductile Iron Wye (Lateral)	.....	39,817.91	911.08
		For Cement Mortar Lining (CML), Add		3,843.75	
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add		6,918.74	
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		2,882.81	
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0278	EA	42" x 36" Mechanical Joint Ductile Iron Wye (Lateral)	.....	45,541.01	942.97
		For Cement Mortar Lining (CML), Add		4,411.23	
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add		7,940.21	
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		3,308.42	
		Note: ANSI/AWWA C151/A21.51			

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0279	EA	42" x 42" Mechanical Joint Ductile Iron Wye (Lateral)	53,724.81	960.79
		For Cement Mortar Lining (CML), Add	5,226.91	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	9,408.43	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	3,920.18	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0280	EA	48" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	35,873.40	869.86
		For Cement Mortar Lining (CML), Add	3,455.54	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	6,219.98	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	2,591.66	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0281	EA	48" x 24" Mechanical Joint Ductile Iron Wye (Lateral)	40,633.59	927.16
		For Cement Mortar Lining (CML), Add	3,922.88	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	7,061.18	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	2,942.16	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0282	EA	48" x 30" Mechanical Joint Ductile Iron Wye (Lateral)	43,308.84	967.88
		For Cement Mortar Lining (CML), Add	4,184.24	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	7,531.62	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	3,138.18	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0283	EA	48" x 36" Mechanical Joint Ductile Iron Wye (Lateral)	49,375.59	999.77
		For Cement Mortar Lining (CML), Add	4,786.08	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	8,614.94	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	3,589.56	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0284	EA	48" x 42" Mechanical Joint Ductile Iron Wye (Lateral)	64,581.21	1,017.58
		For Cement Mortar Lining (CML), Add	6,303.94	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	11,347.09	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	4,727.96	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0285	EA	48" x 48" Mechanical Joint Ductile Iron Wye (Lateral)	70,907.75	1,045.98
		For Cement Mortar Lining (CML), Add	6,932.29	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	12,478.13	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	5,199.22	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0286		Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee (33 14 13 13-0002)		
33 14 13 13-0287	EA	6" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	563.18	109.96
		For Cement Mortar Lining (CML), Add	39.67	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	71.40	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	29.75	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	29.75	
33 14 13 13-0288	EA	8" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	669.30	125.52
		For Cement Mortar Lining (CML), Add	47.91	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	86.24	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	35.93	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	35.93	
33 14 13 13-0289	EA	10" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	1,018.82	133.29
		For Cement Mortar Lining (CML), Add	81.69	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	147.03	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	61.26	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	61.26	
33 14 13 13-0290	EA	12" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	1,145.28	148.06
		For Cement Mortar Lining (CML), Add	92.09	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	165.77	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	69.07	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	69.07	

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
33 14 13 13-0291	EA	14" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	1,565.25	172.54	
		For Cement Mortar Lining (CML), Add	130.38		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	234.69		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	97.79		
		Note: ANSI/AWWA C151/A21.51			
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	97.79		
33 14 13 13-0292	EA	16" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	2,000.31	206.96	
		For Cement Mortar Lining (CML), Add	168.67		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	303.61		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	126.50		
		Note: ANSI/AWWA C151/A21.51			
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	126.50		
33 14 13 13-0293	EA	18" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	2,455.24	264.87	
		For Cement Mortar Lining (CML), Add	205.39		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	369.71		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	154.04		
		Note: ANSI/AWWA C151/A21.51			
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	154.04		
33 14 13 13-0294	EA	20" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	3,440.37	379.82	
		For Cement Mortar Lining (CML), Add	286.49		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	515.68		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	214.87		
		Note: ANSI/AWWA C151/A21.51			
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	214.87		
33 14 13 13-0295	EA	24" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	3,996.42	494.42	
		For Cement Mortar Lining (CML), Add	328.31		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	590.97		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	246.24		
		Note: ANSI/AWWA C151/A21.51			
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	246.24		
33 14 13 13-0296	EA	30" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	7,845.25	575.86	
		For Cement Mortar Lining (CML), Add	697.27		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	1,255.09		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	522.96		
		Note: ANSI/AWWA C151/A21.51			
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	522.96		
33 14 13 13-0297		Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee (33 14 13 13-0002)			
33 14 13 13-0298	EA	6" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee	504.27	109.96	
		Note: Includes swivel gland.			
		For Cement Mortar Lining (CML), Add	33.77		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	60.79		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	25.33		
		Note: ANSI/AWWA C151/A21.51			
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	25.33		
33 14 13 13-0299	EA	8" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee	590.75	125.52	
		Note: Includes swivel gland.			
		For Cement Mortar Lining (CML), Add	40.06		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	72.10		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	30.04		
		Note: ANSI/AWWA C151/A21.51			
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	30.04		
33 14 13 13-0300	EA	10" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee	846.02	133.29	
		Note: Includes swivel gland.			
		For Cement Mortar Lining (CML), Add	64.41		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	115.93		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	48.30		
		Note: ANSI/AWWA C151/A21.51			
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	48.30		
33 14 13 13-0301	EA	12" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee	1,049.06	148.06	
		Note: Includes swivel gland.			
		For Cement Mortar Lining (CML), Add	82.47		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	148.45		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	61.85		
		Note: ANSI/AWWA C151/A21.51			
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	61.85		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0302	EA	14" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee Note: Includes swivel gland. For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51 For Protective Fusion-Bonded Epoxy Coated, C116, Add	1,321.76 106.03 190.86 79.53 79.53	172.54
33 14 13 13-0303	EA	16" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee Note: Includes swivel gland. For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51 For Protective Fusion-Bonded Epoxy Coated, C116, Add	1,670.43 135.69 244.23 101.76 101.76	206.96
33 14 13 13-0304	EA	18" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee Note: Includes swivel gland. For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51 For Protective Fusion-Bonded Epoxy Coated, C116, Add	2,158.73 175.74 316.34 131.81 131.81	264.87
33 14 13 13-0305	EA	20" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee Note: Includes swivel gland. For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51 For Protective Fusion-Bonded Epoxy Coated, C116, Add	2,346.65 177.12 318.81 132.84 132.84	379.82
33 14 13 13-0306	EA	24" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee Note: Includes swivel gland. For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51 For Protective Fusion-Bonded Epoxy Coated, C116, Add	3,264.00 255.07 459.13 191.30 191.30	494.42
33 14 13 13-0307 Mechanical Joint Ductile Iron Cross (33 14 13 13-0002)				
33 14 13 13-0308	EA	3" x 3" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	381.81 25.33 45.59 19.00	84.82
33 14 13 13-0309	EA	4" x 3" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	463.84 32.40 58.32 24.30	92.29
33 14 13 13-0310	EA	4" x 4" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	552.14 41.04 73.87 30.78	93.54
33 14 13 13-0311	EA	6" x 3" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	658.33 48.31 86.95 36.23	115.64
33 14 13 13-0312	EA	6" x 4" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	636.69 44.77 80.59 33.58	124.73
33 14 13 13-0313	EA	6" x 6" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	738.91 50.27 90.48 37.70	155.91

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 14 13 13-0314	EA	8" x 4" Mechanical Joint Ductile Iron Cross	652.46	136.43
		For Cement Mortar Lining (CML), Add	44.57	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	80.23	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	33.43	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0315	EA	8" x 6" Mechanical Joint Ductile Iron Cross	774.31	167.61
		For Cement Mortar Lining (CML), Add	52.04	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	93.66	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	39.03	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0316	EA	8" x 8" Mechanical Joint Ductile Iron Cross	819.54	179.30
		For Cement Mortar Lining (CML), Add	54.78	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	98.61	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	41.09	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0317	EA	10" x 4" Mechanical Joint Ductile Iron Cross	797.78	142.93
		For Cement Mortar Lining (CML), Add	58.12	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	104.62	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	43.59	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0318	EA	10" x 6" Mechanical Joint Ductile Iron Cross	913.27	172.49
		For Cement Mortar Lining (CML), Add	65.19	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	117.35	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	48.89	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0319	EA	10" x 8" Mechanical Joint Ductile Iron Cross	1,087.16	183.59
		For Cement Mortar Lining (CML), Add	80.90	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	145.62	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	60.68	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0320	EA	10" x 10" Mechanical Joint Ductile Iron Cross	1,176.44	197.11
		For Cement Mortar Lining (CML), Add	87.77	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	157.99	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	65.83	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0321	EA	12 x 4" Mechanical Joint Ductile Iron Cross	969.58	155.23
		For Cement Mortar Lining (CML), Add	73.44	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	132.19	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	55.08	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0322	EA	12" x 6" Mechanical Joint Ductile Iron Cross	1,126.29	184.79
		For Cement Mortar Lining (CML), Add	84.63	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	152.34	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	63.47	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0323	EA	12" x 8" Mechanical Joint Ductile Iron Cross	1,632.05	195.89
		For Cement Mortar Lining (CML), Add	133.53	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	240.35	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	100.14	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0324	EA	12" x 10" Mechanical Joint Ductile Iron Cross	1,652.60	209.45
		For Cement Mortar Lining (CML), Add	133.53	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	240.35	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	100.14	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0325	EA	12" x 12" Mechanical Joint Ductile Iron Cross	1,877.42	221.75
		For Cement Mortar Lining (CML), Add	154.14	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	277.46	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	115.61	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0326	EA	14" x 6" Mechanical Joint Ductile Iron Cross	1,925.98	203.26
		For Cement Mortar Lining (CML), Add	161.80	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	291.24	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	121.35	
		Note: ANSI/AWWA C151/A21.51		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0327 EA 14" x 8" Mechanical Joint Ductile Iron Cross	2,268.75	214.35
For Cement Mortar Lining (CML), Add	194.40	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	349.91	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	145.80	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0328 EA 14" x 10" Mechanical Joint Ductile Iron Cross	2,328.58	227.92
For Cement Mortar Lining (CML), Add	198.32	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	356.98	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	148.74	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0329 EA 14" x 12" Mechanical Joint Ductile Iron Cross	2,457.18	240.22
For Cement Mortar Lining (CML), Add	209.32	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	376.78	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	156.99	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0330 EA 14" x 14" Mechanical Joint Ductile Iron Cross	2,718.83	258.71
For Cement Mortar Lining (CML), Add	232.69	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	418.84	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	174.52	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0331 EA 16" x 6" Mechanical Joint Ductile Iron Cross	2,202.75	229.12
For Cement Mortar Lining (CML), Add	185.56	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	334.01	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	139.17	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0332 EA 16" x 8" Mechanical Joint Ductile Iron Cross	2,508.21	240.22
For Cement Mortar Lining (CML), Add	214.43	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	385.97	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	160.82	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0333 EA 16" x 10" Mechanical Joint Ductile Iron Cross	3,005.10	253.77
For Cement Mortar Lining (CML), Add	262.06	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	471.71	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	196.55	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0334 EA 16" x 12" Mechanical Joint Ductile Iron Cross	3,350.50	266.08
For Cement Mortar Lining (CML), Add	294.74	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	530.52	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	221.05	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0335 EA 16" x 14" Mechanical Joint Ductile Iron Cross	4,050.04	284.54
For Cement Mortar Lining (CML), Add	361.89	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	651.40	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	271.42	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0336 EA 16" x 16" Mechanical Joint Ductile Iron Cross	4,743.09	310.45
For Cement Mortar Lining (CML), Add	427.28	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	769.10	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	320.46	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0337 EA 18" x 6" Mechanical Joint Ductile Iron Cross	3,652.38	270.93
For Cement Mortar Lining (CML), Add	324.19	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	583.54	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	243.14	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0338 EA 18" x 8" Mechanical Joint Ductile Iron Cross	3,861.65	282.03
For Cement Mortar Lining (CML), Add	343.43	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	618.18	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	257.58	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0339 EA 18" x 10" Mechanical Joint Ductile Iron Cross	4,043.20	295.58
For Cement Mortar Lining (CML), Add	359.54	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	647.16	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	269.65	
Note: ANSI/AWWA C151/A21.51		

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 14 13 13-0340	EA	18" x 12" Mechanical Joint Ductile Iron Cross	4,383.86	307.88
		For Cement Mortar Lining (CML), Add	391.74	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	705.13	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	293.80	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0341	EA	18" x 14" Mechanical Joint Ductile Iron Cross	5,116.78	326.35
		For Cement Mortar Lining (CML), Add	462.23	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	832.02	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	346.67	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0342	EA	18" x 16" Mechanical Joint Ductile Iron Cross	5,446.57	352.20
		For Cement Mortar Lining (CML), Add	491.29	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	884.33	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	368.47	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0343	EA	18" x 18" Mechanical Joint Ductile Iron Cross	5,702.35	394.00
		For Cement Mortar Lining (CML), Add	510.54	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	918.96	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	382.90	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0344	EA	20" x 6" Mechanical Joint Ductile Iron Cross	4,591.48	339.93
		For Cement Mortar Lining (CML), Add	407.64	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	733.76	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	305.73	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0345	EA	20" x 8" Mechanical Joint Ductile Iron Cross	4,802.69	351.03
		For Cement Mortar Lining (CML), Add	427.08	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	768.75	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	320.31	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0346	EA	20" x 10" Mechanical Joint Ductile Iron Cross	4,950.86	364.59
		For Cement Mortar Lining (CML), Add	439.85	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	791.72	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	329.88	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0347	EA	20" x 12" Mechanical Joint Ductile Iron Cross	5,289.58	376.89
		For Cement Mortar Lining (CML), Add	471.85	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	849.34	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	353.89	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0348	EA	20" x 14" Mechanical Joint Ductile Iron Cross	5,382.35	395.36
		For Cement Mortar Lining (CML), Add	478.33	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	861.00	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	358.75	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0349	EA	20" x 16" Mechanical Joint Ductile Iron Cross	6,513.29	421.21
		For Cement Mortar Lining (CML), Add	587.51	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,057.52	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	440.63	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0350	EA	20" x 18" Mechanical Joint Ductile Iron Cross	6,769.06	463.01
		For Cement Mortar Lining (CML), Add	606.75	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,092.15	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	455.06	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0351	EA	20" x 20" Mechanical Joint Ductile Iron Cross	7,323.29	531.97
		For Cement Mortar Lining (CML), Add	651.72	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,173.09	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	488.79	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0352	EA	24" x 6" Mechanical Joint Ductile Iron Cross	6,262.16	425.23
		For Cement Mortar Lining (CML), Add	561.79	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,011.21	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	421.34	
		Note: ANSI/AWWA C151/A21.51		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0353 EA 24" x 8" Mechanical Joint Ductile Iron Cross	6,408.90	436.33
For Cement Mortar Lining (CML), Add	574.75	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,034.54	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	431.06	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0354 EA 24" x 10" Mechanical Joint Ductile Iron Cross	6,652.95	449.88
For Cement Mortar Lining (CML), Add	597.13	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,074.84	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	447.85	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0355 EA 24" x 12" Mechanical Joint Ductile Iron Cross	6,864.03	462.19
For Cement Mortar Lining (CML), Add	616.37	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,109.47	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	462.28	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0356 EA 24" x 14" Mechanical Joint Ductile Iron Cross	6,988.23	480.66
For Cement Mortar Lining (CML), Add	626.00	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,126.79	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	469.50	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0357 EA 24" x 16" Mechanical Joint Ductile Iron Cross	7,253.21	506.52
For Cement Mortar Lining (CML), Add	648.58	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,167.44	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	486.43	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0358 EA 24" x 18" Mechanical Joint Ductile Iron Cross	9,596.29	548.32
For Cement Mortar Lining (CML), Add	876.55	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,577.79	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	657.41	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0359 EA 24" x 20" Mechanical Joint Ductile Iron Cross	10,117.14	617.33
For Cement Mortar Lining (CML), Add	918.18	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,652.72	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	688.63	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0360 EA 24" x 24" Mechanical Joint Ductile Iron Cross	11,145.71	702.65
For Cement Mortar Lining (CML), Add	1,008.11	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,814.60	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	756.08	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0361 EA 30" x 8" Mechanical Joint Ductile Iron Cross	11,992.26	565.40
For Cement Mortar Lining (CML), Add	1,113.56	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	2,004.40	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	835.17	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0362 EA 30" x 10" Mechanical Joint Ductile Iron Cross	12,230.76	578.97
For Cement Mortar Lining (CML), Add	1,135.35	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	2,043.64	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	851.52	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0363 EA 30" x 12" Mechanical Joint Ductile Iron Cross	12,465.39	591.26
For Cement Mortar Lining (CML), Add	1,156.95	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	2,082.52	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	867.71	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0364 EA 30" x 14" Mechanical Joint Ductile Iron Cross	12,742.75	609.75
For Cement Mortar Lining (CML), Add	1,181.89	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	2,127.40	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	886.42	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0365 EA 30" x 16" Mechanical Joint Ductile Iron Cross	13,060.76	635.60
For Cement Mortar Lining (CML), Add	1,209.77	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	2,177.59	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	907.33	
Note: ANSI/AWWA C151/A21.51		

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 14 13 13-0366	EA	30" x 18" Mechanical Joint Ductile Iron Cross	13,434.35	677.40
		For Cement Mortar Lining (CML), Add	1,240.80	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	2,233.44	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	930.60	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0367	EA	30" x 20" Mechanical Joint Ductile Iron Cross	13,910.03	746.41
		For Cement Mortar Lining (CML), Add	1,277.91	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	2,300.24	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	958.43	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0368	EA	30" x 24" Mechanical Joint Ductile Iron Cross	17,889.90	831.71
		For Cement Mortar Lining (CML), Add	1,662.97	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	2,993.35	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,247.23	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0369	EA	30" x 30" Mechanical Joint Ductile Iron Cross	20,571.39	960.80
		For Cement Mortar Lining (CML), Add	1,911.57	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	3,440.82	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,433.67	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0370	EA	36" x 8" Mechanical Joint Ductile Iron Cross	16,749.51	612.99
		For Cement Mortar Lining (CML), Add	1,582.07	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	2,847.73	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,186.55	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0371	EA	36" x 10" Mechanical Joint Ductile Iron Cross	16,986.04	626.54
		For Cement Mortar Lining (CML), Add	1,603.67	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	2,886.61	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,202.75	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0372	EA	36" x 12" Mechanical Joint Ductile Iron Cross	17,189.25	638.85
		For Cement Mortar Lining (CML), Add	1,622.13	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	2,919.83	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,216.60	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0373	EA	36" x 14" Mechanical Joint Ductile Iron Cross	17,433.23	657.32
		For Cement Mortar Lining (CML), Add	1,643.73	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	2,958.71	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,232.80	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0374	EA	36" x 16" Mechanical Joint Ductile Iron Cross	17,719.82	683.18
		For Cement Mortar Lining (CML), Add	1,668.47	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	3,003.25	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,251.35	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0375	EA	36" x 18" Mechanical Joint Ductile Iron Cross	18,060.04	724.97
		For Cement Mortar Lining (CML), Add	1,696.16	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	3,053.08	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,272.12	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0376	EA	36" x 20" Mechanical Joint Ductile Iron Cross	18,504.29	793.99
		For Cement Mortar Lining (CML), Add	1,730.13	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	3,114.23	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,297.60	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0377	EA	36" x 24" Mechanical Joint Ductile Iron Cross	19,281.52	879.29
		For Cement Mortar Lining (CML), Add	1,794.93	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	3,230.87	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,346.20	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0378	EA	36" x 30" Mechanical Joint Ductile Iron Cross	25,984.47	1,008.36
		For Cement Mortar Lining (CML), Add	2,445.66	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	4,402.20	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,834.25	
		Note: ANSI/AWWA C151/A21.51		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0379	EA	36" x 36" Mechanical Joint Ductile Iron Cross	28,554.26	1,055.99
		For Cement Mortar Lining (CML), Add	2,695.43	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	4,851.78	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	2,021.58	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0380	EA	42" x 12" Mechanical Joint Ductile Iron Cross	22,493.39	666.36
		For Cement Mortar Lining (CML), Add	2,148.38	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	3,867.08	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,611.28	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0381	EA	42" x 14" Mechanical Joint Ductile Iron Cross	25,438.79	684.84
		For Cement Mortar Lining (CML), Add	2,440.12	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	4,392.21	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,830.09	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0382	EA	42" x 16" Mechanical Joint Ductile Iron Cross	23,002.36	710.69
		For Cement Mortar Lining (CML), Add	2,192.56	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	3,946.60	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,644.42	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0383	EA	42" x 18" Mechanical Joint Ductile Iron Cross	23,303.29	752.49
		For Cement Mortar Lining (CML), Add	2,216.32	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	3,989.37	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,662.24	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0384	EA	42" x 20" Mechanical Joint Ductile Iron Cross	23,731.84	821.51
		For Cement Mortar Lining (CML), Add	2,248.72	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	4,047.69	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,686.54	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0385	EA	42" x 24" Mechanical Joint Ductile Iron Cross	24,452.13	906.80
		For Cement Mortar Lining (CML), Add	2,307.82	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	4,154.07	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,730.86	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0386	EA	42" x 30" Mechanical Joint Ductile Iron Cross	31,316.09	1,035.88
		For Cement Mortar Lining (CML), Add	2,974.66	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	5,354.38	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	2,230.99	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0387	EA	42" x 36" Mechanical Joint Ductile Iron Cross	40,921.46	1,083.46
		For Cement Mortar Lining (CML), Add	3,927.99	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	7,070.37	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	2,945.99	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0388	EA	42" x 42" Mechanical Joint Ductile Iron Cross	43,853.56	1,110.98
		For Cement Mortar Lining (CML), Add	4,217.03	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	7,590.65	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	3,162.77	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0389	EA	48" x 12" Mechanical Joint Ductile Iron Cross	30,421.00	775.58
		For Cement Mortar Lining (CML), Add	2,924.59	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	5,264.25	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	2,193.44	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0390	EA	48" x 14" Mechanical Joint Ductile Iron Cross	30,625.70	794.07
		For Cement Mortar Lining (CML), Add	2,942.26	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	5,296.06	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	2,206.69	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0391	EA	48" x 16" Mechanical Joint Ductile Iron Cross	30,900.51	819.91
		For Cement Mortar Lining (CML), Add	2,965.82	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	5,338.48	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	2,224.37	
		Note: ANSI/AWWA C151/A21.51		

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR				TOTAL DIRECT		DEMOLITION
CSI UOM DESCRIPTION				UNIT COST		UNIT COST
33 14 13 13-0392	EA	48" x 18" Mechanical Joint Ductile Iron Cross	.....	31,199.48		861.72
		For Cement Mortar Lining (CML), Add		2,989.39		
		Note: ANSI/AWWA C104/A21.4				
		For Fusion Bonded Epoxy Lining (206N), Add		5,380.89		
		Note: ANSI/AWWA C104/A21.4				
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		2,242.04		
		Note: ANSI/AWWA C151/A21.51				
33 14 13 13-0393	EA	48" x 20" Mechanical Joint Ductile Iron Cross	.....	31,600.55		930.73
		For Cement Mortar Lining (CML), Add		3,019.04		
		Note: ANSI/AWWA C104/A21.4				
		For Fusion Bonded Epoxy Lining (206N), Add		5,434.26		
		Note: ANSI/AWWA C104/A21.4				
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		2,264.28		
		Note: ANSI/AWWA C151/A21.51				
33 14 13 13-0394	EA	48" x 24" Mechanical Joint Ductile Iron Cross	.....	32,289.43		1,016.02
		For Cement Mortar Lining (CML), Add		3,075.00		
		Note: ANSI/AWWA C104/A21.4				
		For Fusion Bonded Epoxy Lining (206N), Add		5,535.00		
		Note: ANSI/AWWA C104/A21.4				
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		2,306.25		
		Note: ANSI/AWWA C151/A21.51				
33 14 13 13-0395	EA	48" x 30" Mechanical Joint Ductile Iron Cross	.....	34,167.80		1,145.11
		For Cement Mortar Lining (CML), Add		3,243.28		
		Note: ANSI/AWWA C104/A21.4				
		For Fusion Bonded Epoxy Lining (206N), Add		5,837.90		
		Note: ANSI/AWWA C104/A21.4				
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		2,432.46		
		Note: ANSI/AWWA C151/A21.51				
33 14 13 13-0396	EA	48" x 36" Mechanical Joint Ductile Iron Cross	.....	41,882.22		1,192.69
		For Cement Mortar Lining (CML), Add		4,007.51		
		Note: ANSI/AWWA C104/A21.4				
		For Fusion Bonded Epoxy Lining (206N), Add		7,213.52		
		Note: ANSI/AWWA C104/A21.4				
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		3,005.63		
		Note: ANSI/AWWA C151/A21.51				
33 14 13 13-0397	EA	48" x 42" Mechanical Joint Ductile Iron Cross	.....	53,876.34		1,220.20
		For Cement Mortar Lining (CML), Add		5,202.76		
		Note: ANSI/AWWA C104/A21.4				
		For Fusion Bonded Epoxy Lining (206N), Add		9,364.96		
		Note: ANSI/AWWA C104/A21.4				
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		3,902.07		
		Note: ANSI/AWWA C151/A21.51				
33 14 13 13-0398	EA	48" x 48" Mechanical Joint Ductile Iron Cross	.....	57,376.03		1,329.38
		For Cement Mortar Lining (CML), Add		5,536.17		
		Note: ANSI/AWWA C104/A21.4				
		For Fusion Bonded Epoxy Lining (206N), Add		9,965.11		
		Note: ANSI/AWWA C104/A21.4				
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		4,152.13		
		Note: ANSI/AWWA C151/A21.51				
33 14 13 13-0399		Mechanical Joint x Mechanical Joint Ductile Iron Reducers (33 14 13 13-0002)				
33 14 13 13-0400	EA	4" x 3" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....		183.82		46.15
		For Cement Mortar Lining (CML), Add		11.39		
		Note: ANSI/AWWA C104/A21.4				
		For Fusion Bonded Epoxy Lining (206N), Add		20.50		
		Note: ANSI/AWWA C104/A21.4				
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		8.54		
		Note: ANSI/AWWA C151/A21.51				
33 14 13 13-0401	EA	6" x 3" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....		213.31		57.85
		For Cement Mortar Lining (CML), Add		12.57		
		Note: ANSI/AWWA C104/A21.4				
		For Fusion Bonded Epoxy Lining (206N), Add		22.62		
		Note: ANSI/AWWA C104/A21.4				
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		9.43		
		Note: ANSI/AWWA C151/A21.51				
33 14 13 13-0402	EA	6" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....		230.76		61.58
		For Cement Mortar Lining (CML), Add		13.75		
		Note: ANSI/AWWA C104/A21.4				
		For Fusion Bonded Epoxy Lining (206N), Add		24.74		
		Note: ANSI/AWWA C104/A21.4				
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		10.31		
		Note: ANSI/AWWA C151/A21.51				
33 14 13 13-0403	EA	8" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....		293.75		69.39
		For Cement Mortar Lining (CML), Add		18.85		
		Note: ANSI/AWWA C104/A21.4				
		For Fusion Bonded Epoxy Lining (206N), Add		33.93		
		Note: ANSI/AWWA C104/A21.4				
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		14.14		
		Note: ANSI/AWWA C151/A21.51				
33 14 13 13-0404	EA	8" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....		323.13		81.08
		For Cement Mortar Lining (CML), Add		20.03		
		Note: ANSI/AWWA C104/A21.4				
		For Fusion Bonded Epoxy Lining (206N), Add		36.05		
		Note: ANSI/AWWA C104/A21.4				
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		15.02		
		Note: ANSI/AWWA C151/A21.51				

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0405 EA 10" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	355.95	72.93
For Cement Mortar Lining (CML), Add	24.55	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	44.18	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	18.41	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0406 EA 10" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	386.49	84.02
For Cement Mortar Lining (CML), Add	25.92	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	46.66	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	19.44	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0407 EA 10" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	423.22	91.41
For Cement Mortar Lining (CML), Add	28.47	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	51.25	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	21.35	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0408 EA 12" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	431.94	80.32
For Cement Mortar Lining (CML), Add	31.03	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	55.85	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	23.27	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0409 EA 12" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	480.16	91.41
For Cement Mortar Lining (CML), Add	34.17	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	61.50	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	25.63	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0410 EA 12" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	501.18	98.80
For Cement Mortar Lining (CML), Add	35.15	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	63.27	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	26.36	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0411 EA 12" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	549.32	105.95
For Cement Mortar Lining (CML), Add	38.88	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	69.98	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	29.16	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0412 EA 14" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	914.98	103.64
For Cement Mortar Lining (CML), Add	75.80	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	136.43	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	56.85	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0413 EA 14" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	886.92	111.04
For Cement Mortar Lining (CML), Add	71.87	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	129.36	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	53.90	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0414 EA 14" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	791.69	118.17
For Cement Mortar Lining (CML), Add	61.26	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	110.28	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	45.95	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0415 EA 14" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	832.35	125.57
For Cement Mortar Lining (CML), Add	64.21	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	115.58	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	48.16	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0416 EA 16" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,074.57	120.84
For Cement Mortar Lining (CML), Add	89.15	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	160.46	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	66.86	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0417 EA 16" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,052.40	128.25
For Cement Mortar Lining (CML), Add	85.81	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	154.46	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	64.36	
Note: ANSI/AWWA C151/A21.51		

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 14 13 13-0418	EA	16" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,031.81	135.39
		For Cement Mortar Lining (CML), Add	82.67	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	148.80	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	62.00	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0419	EA	16" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,119.59	142.78
		For Cement Mortar Lining (CML), Add	90.33	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	162.59	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	67.74	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0420	EA	16" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,246.11	155.01
		For Cement Mortar Lining (CML), Add	101.13	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	182.03	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	75.84	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0421	EA	18" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,339.76	157.20
		For Cement Mortar Lining (CML), Add	110.16	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	198.28	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	82.62	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0422	EA	18" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,503.74	164.34
		For Cement Mortar Lining (CML), Add	125.47	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	225.85	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	94.11	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0423	EA	18" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,448.18	171.73
		For Cement Mortar Lining (CML), Add	118.80	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	213.84	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	89.10	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0424	EA	18" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,535.43	183.97
		For Cement Mortar Lining (CML), Add	125.67	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	226.21	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	94.25	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0425	EA	18" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,616.49	201.18
		For Cement Mortar Lining (CML), Add	131.17	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	236.10	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	98.38	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0426	EA	20" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,892.22	214.68
		For Cement Mortar Lining (CML), Add	156.70	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	282.05	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	117.52	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0427	EA	20" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,812.71	221.81
		For Cement Mortar Lining (CML), Add	147.66	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	265.79	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	110.75	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0428	EA	20" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,668.78	229.21
		For Cement Mortar Lining (CML), Add	132.15	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	237.87	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	99.11	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0429	EA	20" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,677.50	241.44
		For Cement Mortar Lining (CML), Add	131.17	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	236.10	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	98.38	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0430	EA	20" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,731.07	258.65
		For Cement Mortar Lining (CML), Add	133.92	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	241.05	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	100.44	
		Note: ANSI/AWWA C151/A21.51		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0431 EA 20" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,079.29 164.35 295.84 123.26	287.60
33 14 13 13-0432 EA 24" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,458.57 202.45 364.40 151.84	286.50
33 14 13 13-0433 EA 24" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,528.17 207.55 373.60 155.66	298.74
33 14 13 13-0434 EA 24" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,581.73 210.30 378.54 157.73	315.95
33 14 13 13-0435 EA 24" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,533.31 201.07 361.93 150.80	344.90
33 14 13 13-0436 EA 24" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,099.50 248.98 448.17 186.74	402.38
33 14 13 13-0437 EA 30" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,105.77 456.54 821.77 342.40	356.67
33 14 13 13-0438 EA 30" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,330.29 474.60 854.28 355.95	385.62
33 14 13 13-0439 EA 30" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,154.27 448.29 806.92 336.22	443.09
33 14 13 13-0440 EA 30" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,027.05 426.89 768.40 320.17	500.40
33 14 13 13-0441 EA 36" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,664.92 694.53 1,250.15 520.89	474.98
33 14 13 13-0442 EA 36" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,320.27 551.38 992.48 413.53	532.28
33 14 13 13-0443 EA 36" x 30" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,865.01 599.68 1,079.43 449.76	573.00

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 14 13 13-0444	EA	42" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	9,993.86	406.37
		For Cement Mortar Lining (CML), Add	937.82	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,688.07	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	703.36	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0445	EA	42" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	9,951.35	435.32
		For Cement Mortar Lining (CML), Add	929.18	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,672.52	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	696.88	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0446	EA	42" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	10,007.01	492.80
		For Cement Mortar Lining (CML), Add	926.03	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,666.86	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	694.53	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0447	EA	42" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	11,167.92	550.11
		For Cement Mortar Lining (CML), Add	1,033.44	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,860.20	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	775.08	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0448	EA	42" x 30" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	9,191.39	590.81
		For Cement Mortar Lining (CML), Add	829.62	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,493.32	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	622.22	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0449	EA	42" x 36" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	9,620.64	622.70
		For Cement Mortar Lining (CML), Add	867.72	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,561.89	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	650.79	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0450	EA	48" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	13,481.05	434.77
		For Cement Mortar Lining (CML), Add	1,282.23	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	2,308.02	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	961.67	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0451	EA	48" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	13,065.44	463.73
		For Cement Mortar Lining (CML), Add	1,236.28	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	2,225.31	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	927.21	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0452	EA	48" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	12,445.62	521.20
		For Cement Mortar Lining (CML), Add	1,165.59	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	2,098.07	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	874.19	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0453	EA	48" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	12,828.94	578.49
		For Cement Mortar Lining (CML), Add	1,195.24	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	2,151.44	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	896.43	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0454	EA	48" x 30" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	15,339.26	619.22
		For Cement Mortar Lining (CML), Add	1,440.10	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	2,592.19	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,080.08	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0455	EA	48" x 36" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	13,422.00	651.10
		For Cement Mortar Lining (CML), Add	1,243.55	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	2,238.39	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	932.66	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0456	EA	48" x 42" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	14,741.05	668.93
		For Cement Mortar Lining (CML), Add	1,372.75	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	2,470.96	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,029.56	
		Note: ANSI/AWWA C151/A21.51		

			Utilities	33	CS
			Water Utilities	33 10	
			Water Utility Transmission and Distribution	33 14	
MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
			UNIT COST	UNIT COST	

33 14 13 13-0457		Mechanical Joint Ductile Iron Caps (33 14 13 13-0002)			
33 14 13 13-0458	EA	3" Mechanical Joint Ductile Iron Caps	198.69	97.45	
		For Cement Mortar Lining (CML), Add	5.11		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	9.19		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.83		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0459	EA	4" Mechanical Joint Ductile Iron Caps	226.25	114.34	
		For Cement Mortar Lining (CML), Add	5.30		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	9.54		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.98		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0460	EA	6" Mechanical Joint Ductile Iron Caps	310.79	142.92	
		For Cement Mortar Lining (CML), Add	9.43		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	16.97		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	7.07		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0461	EA	8" Mechanical Joint Ductile Iron Caps	404.57	163.36	
		For Cement Mortar Lining (CML), Add	15.71		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	28.28		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	11.78		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0462	EA	10" Mechanical Joint Ductile Iron Caps	571.64	246.39	
		For Cement Mortar Lining (CML), Add	19.83		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	35.70		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	14.87		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0463	EA	12" Mechanical Joint Ductile Iron Caps	703.75	268.78	
		For Cement Mortar Lining (CML), Add	29.65		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	53.37		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	22.24		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0464	EA	14" Mechanical Joint Ductile Iron Caps	897.64	295.66	
		For Cement Mortar Lining (CML), Add	44.97		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	80.94		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	33.72		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0465	EA	16" Mechanical Joint Ductile Iron Caps	1,100.58	328.48	
		For Cement Mortar Lining (CML), Add	60.28		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	108.51		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	45.21		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0466	EA	18" Mechanical Joint Ductile Iron Caps	1,296.33	369.58	
		For Cement Mortar Lining (CML), Add	73.64		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	132.54		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	55.23		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0467	EA	20" Mechanical Joint Ductile Iron Caps	1,592.32	422.33	
		For Cement Mortar Lining (CML), Add	95.24		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	171.42		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	71.43		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0468	EA	24" Mechanical Joint Ductile Iron Caps	2,054.39	492.77	
		For Cement Mortar Lining (CML), Add	130.78		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	235.40		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	98.08		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0469	EA	30" Mechanical Joint Ductile Iron Caps	3,886.52	591.33	
		For Cement Mortar Lining (CML), Add	299.06		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	538.30		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	224.29		
		Note: ANSI/AWWA C151/A21.51			

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 14 13 13-0470	EA	36" Mechanical Joint Ductile Iron Caps	6,559.12	739.16
		For Cement Mortar Lining (CML), Add	543.92	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	979.05	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	407.94	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0471	EA	42" Mechanical Joint Ductile Iron Caps	9,593.01	886.99
		For Cement Mortar Lining (CML), Add	824.91	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,484.83	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	618.68	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0472	EA	48" Mechanical Joint Ductile Iron Caps	11,433.00	985.55
		For Cement Mortar Lining (CML), Add	993.97	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,789.15	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	745.48	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0473 Mechanical Joint Ductile Iron Plug (33 14 13 13-0002)

33 14 13 13-0474	EA	3" Mechanical Joint Ductile Iron Plug.....	206.55	97.45
		For Cement Mortar Lining (CML), Add	5.89	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	10.60	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	4.42	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0475	EA	4" Mechanical Joint Ductile Iron Plug.....	238.03	114.34
		For Cement Mortar Lining (CML), Add	6.48	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	11.66	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	4.86	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0476	EA	6" Mechanical Joint Ductile Iron Plug.....	342.21	142.92
		For Cement Mortar Lining (CML), Add	12.57	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	22.62	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	9.43	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0477	EA	8" Mechanical Joint Ductile Iron Plug.....	435.99	163.36
		For Cement Mortar Lining (CML), Add	18.85	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	33.93	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	14.14	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0478	EA	10" Mechanical Joint Ductile Iron Plug.....	699.28	246.39
		For Cement Mortar Lining (CML), Add	32.60	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	58.67	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	24.45	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0479	EA	12" Mechanical Joint Ductile Iron Plug.....	739.10	268.78
		For Cement Mortar Lining (CML), Add	33.19	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	59.73	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	24.89	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0480	EA	14" Mechanical Joint Ductile Iron Plug.....	1,123.46	295.66
		For Cement Mortar Lining (CML), Add	67.55	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	121.59	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	50.66	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0481	EA	16" Mechanical Joint Ductile Iron Plug.....	584.15	328.48
		For Cement Mortar Lining (CML), Add	8.64	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	15.55	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	6.48	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0482	EA	18" Mechanical Joint Ductile Iron Plug.....	1,632.11	369.58
		For Cement Mortar Lining (CML), Add	107.21	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	192.98	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	80.41	
		Note: ANSI/AWWA C151/A21.51		

		Utilities	33	
		Water Utilities	33 10	
		Water Utility Transmission and Distribution	33 14	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0483	EA	20" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,049.83 140.99 253.77 105.74	422.33
33 14 13 13-0484	EA	24" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,702.38 195.58 352.04 146.68	492.77
33 14 13 13-0485	EA	30" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,778.00 388.20 698.77 291.15	591.33
33 14 13 13-0486	EA	36" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,116.78 599.68 1,079.43 449.76	739.16
33 14 13 13-0487	EA	42" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	9,663.70 831.98 1,497.56 623.98	886.99
33 14 13 13-0488	EA	48" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	12,583.67 1,109.04 1,996.27 831.78	985.55
33 14 13 13-0489 Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters (33 14 13 13-0002)				
33 14 13 13-0490	EA	3" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	352.04 12.76 22.97 9.57	148.11
33 14 13 13-0491	EA	4" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	397.30 13.75 24.74 10.31	171.50
33 14 13 13-0492	EA	6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	515.28 19.05 34.28 14.29	214.38
33 14 13 13-0493	EA	8" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	659.87 28.87 51.96 21.65	244.97
33 14 13 13-0494	EA	10" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,062.66 50.27 90.48 37.70	369.58
33 14 13 13-0495	EA	12" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,254.94 64.41 115.93 48.30	403.18

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
33 14 13 13-0496	EA	14" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	.....	1,695.01	443.50
		For Cement Mortar Lining (CML), Add		102.30	
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add		184.15	
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		76.73	
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0497	EA	16" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	.....	1,914.97	492.77
		For Cement Mortar Lining (CML), Add		116.83	
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add		210.30	
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		87.63	
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0498	EA	18" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	.....	2,626.84	554.37
		For Cement Mortar Lining (CML), Add		178.69	
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add		321.64	
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		134.02	
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0499	EA	20" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	.....	3,088.49	633.55
		For Cement Mortar Lining (CML), Add		212.85	
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add		383.14	
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		159.64	
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0500	EA	24" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	.....	3,741.36	739.16
		For Cement Mortar Lining (CML), Add		262.14	
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add		471.85	
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		196.61	
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0501	EA	30" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	.....	6,168.50	886.99
		For Cement Mortar Lining (CML), Add		482.46	
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add		868.42	
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		361.84	
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0502	EA	36" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	.....	8,593.76	1,108.74
		For Cement Mortar Lining (CML), Add		691.38	
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add		1,244.49	
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		518.54	
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0503	EA	42" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	.....	11,559.22	1,267.10
		For Cement Mortar Lining (CML), Add		963.93	
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add		1,735.08	
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		722.95	
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0504	EA	48" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	.....	14,312.10	1,478.33
		For Cement Mortar Lining (CML), Add		1,207.22	
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add		2,173.00	
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		905.42	
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0505	Mechanical Joint Ductile Iron Long Sleeves (33 14 13 13-0002)				
33 14 13 13-0506	EA	3" Mechanical Joint Ductile Iron Long Sleeves	.....	332.41	148.11
		For Cement Mortar Lining (CML), Add		10.80	
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add		19.44	
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		8.10	
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0507	EA	4" Mechanical Joint Ductile Iron Long Sleeves	.....	387.48	171.50
		For Cement Mortar Lining (CML), Add		12.76	
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add		22.97	
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		9.57	
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0508	EA	6" Mechanical Joint Ductile Iron Long Sleeves	.....	538.84	214.38
		For Cement Mortar Lining (CML), Add		21.40	
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add		38.53	
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		16.05	
		Note: ANSI/AWWA C151/A21.51			

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0509	EA	8" Mechanical Joint Ductile Iron Long Sleeves For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	722.70 35.15 63.27 26.36	244.97
33 14 13 13-0510	EA	10" Mechanical Joint Ductile Iron Long Sleeves For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	978.23 41.83 75.29 31.37	369.58
33 14 13 13-0511	EA	12" Mechanical Joint Ductile Iron Long Sleeves For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,176.40 56.55 101.79 42.41	403.18
33 14 13 13-0512	EA	14" Mechanical Joint Ductile Iron Long Sleeves For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,526.14 85.42 153.75 64.06	443.50
33 14 13 13-0513	EA	16" Mechanical Joint Ductile Iron Long Sleeves For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,828.57 108.19 194.75 81.15	492.77
33 14 13 13-0514	EA	18" Mechanical Joint Ductile Iron Long Sleeves For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,224.30 138.43 249.18 103.83	554.37
33 14 13 13-0515	EA	20" Mechanical Joint Ductile Iron Long Sleeves For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,630.97 167.10 300.78 125.33	633.55
33 14 13 13-0516	EA	24" Mechanical Joint Ductile Iron Long Sleeves For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,321.15 220.12 396.22 165.09	739.16
33 14 13 13-0517	EA	30" Mechanical Joint Ductile Iron Long Sleeves For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,954.46 461.05 829.90 345.79	886.99
33 14 13 13-0518	EA	36" Mechanical Joint Ductile Iron Long Sleeves For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,153.91 647.40 1,165.32 485.55	1,108.74
33 14 13 13-0519	EA	42" Mechanical Joint Ductile Iron Long Sleeves For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,577.20 865.95 1,558.71 649.46	1,265.65
33 14 13 13-0520	EA	48" Mechanical Joint Ductile Iron Long Sleeves For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	14,404.39 1,216.45 2,189.61 912.34	1,478.33
33 14 13 13-0521		Mechanical Joint Ductile Iron Gland Packs (33 14 13 13-0002) Note: Includes ductile iron retainer gland, gasket, break off torque bolts and all nuts.		
33 14 13 13-0522		Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts (33 14 13 13-0521) Note: Labor installation is included with pipe fittings or valves.		
33 14 13 13-0523	EA	3" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	39.27	

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 14 13 13-0524	EA	4" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes four (4) 3/4" diameter plain finish bolts with nut.	34.14
33 14 13 13-0525	EA	6" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish bolts with nut.	41.25
33 14 13 13-0526	EA	8" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish bolts with nut.	48.36
33 14 13 13-0527	EA	10" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish bolts with nut.	66.85
33 14 13 13-0528	EA	12" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish bolts with nut.	71.12
33 14 13 13-0529	EA	14" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes ten (10) 3/4" diameter plain finish bolts with nut.	116.64
33 14 13 13-0530	EA	16" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish bolts with nut.	123.75
33 14 13 13-0531	EA	18" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish bolts with nut.	165.00
33 14 13 13-0532	EA	20" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes fourteen (14) 3/4" diameter plain finish bolts with nut.	213.36
33 14 13 13-0533	EA	24" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes sixteen (16) 3/4" diameter plain finish bolts with nut.	297.28
33 14 13 13-0534	EA	30" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty (20) 1" diameter plain finish bolts with nut.	709.78
33 14 13 13-0535	EA	36" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty-four (24) 1" diameter plain finish bolts with nut.	1,530.50
33 14 13 13-0536	EA	42" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty-eight (28) 1-1/4" diameter plain finish bolts with nut.	2,234.59
33 14 13 13-0537	EA	48" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes thirty-two (32) 1-1/4" diameter plain finish bolts with nut.	2,742.39

33 14 13 13-0538 Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts (33 14 13 13-0521)

Note: Labor installation is included with pipe fittings or valves.

33 14 13 13-0539	EA	3" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts.....	66.76
33 14 13 13-0540	EA	4" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts..... Note: Includes four (4) 3/4" diameter plain finish bolts with nut.	48.36
33 14 13 13-0541	EA	6" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts..... Note: Includes six (6) 3/4" diameter plain finish bolts with nut.	61.16
33 14 13 13-0542	EA	8" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts..... Note: Includes six (6) 3/4" diameter plain finish bolts with nut.	66.85
33 14 13 13-0543	EA	10" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish bolts with nut.	92.46
33 14 13 13-0544	EA	12" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish bolts with nut.	96.72
33 14 13 13-0545	EA	14" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes ten (10) 3/4" diameter plain finish bolts with nut.	146.51
33 14 13 13-0546	EA	16" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish bolts with nut.	160.73
33 14 13 13-0547	EA	18" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish bolts with nut.	213.36
33 14 13 13-0548	EA	20" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes fourteen (14) 3/4" diameter plain finish bolts with nut.	275.95
33 14 13 13-0549	EA	24" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes sixteen (16) 3/4" diameter plain finish bolts with nut.	385.47

33 14 13 13-0550 Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts (33 14 13 13-0521)

Note: Labor installation is included with pipe fittings or valves.

33 14 13 13-0551	EA	3" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	43.20
33 14 13 13-0552	EA	4" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes four (4) 3/4" diameter plain finish bolts with nut.	36.98
33 14 13 13-0553	EA	6" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish bolts with nut.	44.09
33 14 13 13-0554	EA	8" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish bolts with nut.	52.63
33 14 13 13-0555	EA	10" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish bolts with nut.	72.54
33 14 13 13-0556	EA	12" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish bolts with nut.	76.81
33 14 13 13-0557	EA	14" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes ten (10) 3/4" diameter plain finish bolts with nut.	126.59
33 14 13 13-0558	EA	16" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish bolts with nut.	133.71
33 14 13 13-0559	EA	18" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish bolts with nut.	180.64
33 14 13 13-0560	EA	20" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes fourteen (14) 3/4" diameter plain finish bolts with nut.	231.85
33 14 13 13-0561	EA	24" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes sixteen (16) 3/4" diameter plain finish bolts with nut.	324.31
33 14 13 13-0562	EA	30" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty (20) 1" diameter plain finish bolts with nut.	776.63
33 14 13 13-0563	EA	36" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty-four (24) 1" diameter plain finish bolts with nut.	1,721.10
33 14 13 13-0564	EA	42" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty-eight (28) 1-1/4" diameter plain finish bolts with nut.	2,492.04
33 14 13 13-0565	EA	48" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes thirty-two (32) 1-1/4" diameter plain finish bolts with nut.	3,066.69

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 14 13 13-0566
Mechanical Joint Restraints With Accessories For Ductile Iron Pipe (MEGALUG® 1100DEC Series) (33 14 13 13-0002)

Note: Includes ductile iron retainer gland, gasket, break off torque bolts and all nuts and bolts. Excludes pipe and fitting.

33 14 13 13-0567	EA	3" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1103DSC).....	208.97	74.30
33 14 13 13-0568	EA	4" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1104DEC).....	238.04	87.99
33 14 13 13-0569	EA	6" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1106DEC).....	295.32	108.90
33 14 13 13-0570	EA	8" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1108DEC).....	369.38	127.09
33 14 13 13-0571	EA	10" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1110DEC).....	532.73	184.79
33 14 13 13-0572	EA	12" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1112DEC).....	658.80	211.22
33 14 13 13-0573	EA	14" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1114DEC).....	769.39	227.35
33 14 13 13-0574	EA	16" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1116DEC).....	952.27	246.39
33 14 13 13-0575	EA	18" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1118DEC).....	1,224.40	295.66
33 14 13 13-0576	EA	20" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1120DEC).....	1,447.67	328.37
33 14 13 13-0577	EA	24" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1124DEC).....	1,885.75	378.88
33 14 13 13-0578	EA	30" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1130DEC).....	3,695.06	454.37
33 14 13 13-0579	EA	36" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1136DEC).....	4,562.11	568.59
33 14 13 13-0580	EA	42" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1142DEC).....	6,755.18	656.07
33 14 13 13-0581	EA	48" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1148DEC).....	8,650.33	843.77

33 14 13 13-0582
Mechanical Joint Ductile Iron Force Balanced Flexible Expansion Joint (FLEX-TEND®) (33 14 13 13-0002)

33 14 13 13-0583	EA	3" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	4,633.90	60.81
33 14 13 13-0584	EA	4" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	4,823.48	76.01
33 14 13 13-0585	EA	6" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	6,999.08	112.33
33 14 13 13-0586	EA	8" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	9,513.87	133.24
33 14 13 13-0587	EA	10" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	11,994.59	147.49
33 14 13 13-0588	EA	12" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	16,001.34	173.03
33 14 13 13-0589	EA	14" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	19,714.21	194.03
33 14 13 13-0590	EA	16" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	23,323.90	221.75
33 14 13 13-0591	EA	18" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	26,287.67	310.45
33 14 13 13-0592	EA	20" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	35,369.03	388.06
33 14 13 13-0593	EA	24" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	49,010.62	517.41

33 14 13 13-0594
Set Screw Flange Adapter For Ductile Iron Pipe (E-Z Flange 1000DSM Series) (33 14 13 13-0002)

Note: Includes machined bolts and gasket.

33 14 13 13-0595	EA	3" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1003DSM)	207.41	74.30
33 14 13 13-0596	EA	4" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1004DSM)	266.90	87.99
33 14 13 13-0597	EA	6" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1006DSM)	345.36	108.90
33 14 13 13-0598	EA	8" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1008DSM)	393.92	127.09
33 14 13 13-0599	EA	10" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1010DSM)	694.41	194.89
33 14 13 13-0600	EA	12" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1012DSM)	785.70	222.77

33 14 13 13-0601
Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 2100 Series) (33 14 13 13-0002)

Note: Includes nuts, bolts and gasket.

33 14 13 13-0602	EA	3" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210300).....	305.45	74.30
33 14 13 13-0603	EA	4" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210400).....	380.33	87.99
33 14 13 13-0604	EA	6" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210600).....	527.74	108.90
33 14 13 13-0605	EA	8" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210800).....	765.81	127.09
33 14 13 13-0606	EA	10" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211000).....	1,108.47	194.89
33 14 13 13-0607	EA	12" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211200).....	1,380.00	222.77
33 14 13 13-0608	EA	14" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211400).....	2,135.79	239.77
33 14 13 13-0609	EA	16" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211600).....	3,000.22	259.85
33 14 13 13-0610	EA	18" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211800).....	3,391.81	311.82
33 14 13 13-0611	EA	20" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 212000).....	3,746.52	346.31
33 14 13 13-0612	EA	24" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 212400).....	4,534.18	399.58
33 14 13 13-0613	EA	30" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 213000).....	5,836.68	479.20
33 14 13 13-0614	EA	36" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 213600).....	8,728.46	599.67
33 14 13 13-0615	EA	42" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 214200).....	22,847.30	691.92
33 14 13 13-0616	EA	48" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 214800).....	29,263.79	889.88

33 14 13 13-0617
Mechanical Joint x Restrained Plain End Ductile Iron Flexible Ball Joint (33 14 13 13-0002)

Note: All internal surfaces (wetted parts) shall be lined with a minimum of 15 mils of fusion bonded epoxy conforming to the applicable requirements of ANSI/AWWA C213. Sealing gaskets shall be constructed of EPDM. The coating shall meet ANSI/NSF-61. Exterior surfaces shall be coated with a minimum of 6 mils of fusion bonded epoxy conforming to the applicable requirements of ANSI/AWWA C116/A21.16.

33 14 13 13-0618	EA	4" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	1,301.86	114.34
33 14 13 13-0619	EA	6" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	2,072.68	142.92
33 14 13 13-0620	EA	8" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	2,751.14	163.36
33 14 13 13-0621	EA	10" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	3,798.18	246.39
33 14 13 13-0622	EA	12" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	4,972.35	268.78
33 14 13 13-0623	EA	14" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	5,760.60	295.66
33 14 13 13-0624	EA	16" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	6,403.13	328.48
33 14 13 13-0625	EA	18" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	9,171.15	369.58
33 14 13 13-0626	EA	20" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	9,365.89	422.33

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 14 13 13-0627	EA	24" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	16,390.75	492.77
33 14 13 13-0628	EA	30" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	57,494.50	591.33
33 14 13 13-0629	EA	36" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	81,641.84	739.16

33 14 13 13-0630 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Piping

(33 14 13 13-0001)

See CSI section 33 14 13 13-0521 for bolts and gaskets.

33 14 13 13-0631 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow

(33 14 13 13-0630)

33 14 13 13-0632	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	482.50	42.41
33 14 13 13-0633	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	577.49	50.79
33 14 13 13-0634	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	896.87	74.41
33 14 13 13-0635	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	1,228.37	88.59
33 14 13 13-0636	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	1,688.41	98.55
33 14 13 13-0637	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	2,142.23	115.36
33 14 13 13-0638	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	3,051.05	129.92
33 14 13 13-0639	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	3,703.49	147.83
33 14 13 13-0640	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	4,470.48	207.19
33 14 13 13-0641	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	5,571.94	258.71
33 14 13 13-0642	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	7,881.61	344.94
33 14 13 13-0643	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	12,649.87	369.58
33 14 13 13-0644	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	18,658.18	384.14
33 14 13 13-0645	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	30,771.99	443.50
33 14 13 13-0646	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	40,271.58	471.50

33 14 13 13-0647 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow

(33 14 13 13-0630)

33 14 13 13-0648	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	460.90	42.41
33 14 13 13-0649	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	540.18	50.79
33 14 13 13-0650	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	832.07	74.41
33 14 13 13-0651	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	1,128.22	88.59
33 14 13 13-0652	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	1,476.34	98.55
33 14 13 13-0653	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	1,951.76	115.36
33 14 13 13-0654	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	2,642.63	129.92
33 14 13 13-0655	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	3,165.46	147.83
33 14 13 13-0656	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	3,738.06	207.19
33 14 13 13-0657	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	4,537.12	258.71
33 14 13 13-0658	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	5,978.88	344.94
33 14 13 13-0659	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	11,045.60	369.58
33 14 13 13-0660	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	15,294.53	384.14
33 14 13 13-0661	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	22,748.72	443.50
33 14 13 13-0662	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	29,137.97	471.50

33 14 13 13-0663 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow

(33 14 13 13-0630)

33 14 13 13-0664	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	356.83	42.41
33 14 13 13-0665	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	534.29	50.79
33 14 13 13-0666	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	808.50	74.41
33 14 13 13-0667	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,120.37	88.59
33 14 13 13-0668	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,474.38	98.55
33 14 13 13-0669	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,837.87	115.36
33 14 13 13-0670	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	2,658.33	129.92
33 14 13 13-0671	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	3,094.77	147.83
33 14 13 13-0672	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	3,720.39	207.19
33 14 13 13-0673	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	4,700.10	258.71
33 14 13 13-0674	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	5,849.29	344.94
33 14 13 13-0675	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	9,822.28	369.58
33 14 13 13-0676	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	13,429.11	384.14
33 14 13 13-0677	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	19,235.84	443.50
33 14 13 13-0678	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	24,647.22	471.50

33 14 13 13-0679 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow

(33 14 13 13-0630)

33 14 13 13-0680	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	356.83	42.41
33 14 13 13-0681	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	642.29	50.79
33 14 13 13-0682	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	816.36	74.41
33 14 13 13-0683	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,085.02	88.59
33 14 13 13-0684	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,470.45	98.55
33 14 13 13-0685	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,784.85	115.36
33 14 13 13-0686	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	2,864.51	129.92
33 14 13 13-0687	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	3,190.99	147.83
33 14 13 13-0688	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	4,278.05	207.19
33 14 13 13-0689	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	4,531.23	258.71
33 14 13 13-0690	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	5,851.25	344.94
33 14 13 13-0691	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	9,951.88	369.58
33 14 13 13-0692	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	13,057.99	384.14
33 14 13 13-0693	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	18,705.67	443.50
33 14 13 13-0694	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	24,505.84	471.50

			Utilities	33	CS
			Water Utilities	33 10	
			Water Utility Transmission and Distribution	33 14	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 14 13 13-0695			Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow (33 14 13 13-0630)		
33 14 13 13-0696	EA	3"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	421.63	42.41
33 14 13 13-0697	EA	4"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	622.65	50.79
33 14 13 13-0698	EA	6"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	971.48	74.41
33 14 13 13-0699	EA	8"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	1,322.62	88.59
33 14 13 13-0700	EA	10"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	1,825.86	98.55
33 14 13 13-0701	EA	12"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	2,293.42	115.36
33 14 13 13-0702	EA	14"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	4,136.93	129.92
33 14 13 13-0703	EA	16"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	6,466.27	147.83
33 14 13 13-0704	EA	18"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	7,382.50	207.19
33 14 13 13-0705	EA	20"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	8,505.56	258.71
33 14 13 13-0706	EA	24"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	9,185.44	344.94
33 14 13 13-0707			Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow (33 14 13 13-0630)		
33 14 13 13-0708	EA	3"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	421.63	42.41
33 14 13 13-0709	EA	4"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	548.03	50.79
33 14 13 13-0710	EA	6"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	863.49	74.41
33 14 13 13-0711	EA	8"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	1,224.44	88.59
33 14 13 13-0712	EA	10"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	1,627.54	98.55
33 14 13 13-0713	EA	12"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	2,120.63	115.36
33 14 13 13-0714	EA	14"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	2,831.13	129.92
33 14 13 13-0715	EA	16"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	3,403.06	147.83
33 14 13 13-0716	EA	18"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	6,381.05	207.19
33 14 13 13-0717	EA	20"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	6,687.26	258.71
33 14 13 13-0718	EA	24"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	6,950.87	344.94
33 14 13 13-0719			Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee (33 14 13 13-0630)		
33 14 13 13-0720	EA	3" x 3"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	593.17	63.61
33 14 13 13-0721	EA	4" x 3"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	646.70	71.72
33 14 13 13-0722	EA	4" x 4"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	682.83	74.41
33 14 13 13-0723	EA	6" x 3"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	975.49	94.33
33 14 13 13-0724	EA	6" x 4"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,057.96	98.04
33 14 13 13-0725	EA	6" x 6"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,114.95	109.85
33 14 13 13-0726	EA	8" x 4"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,299.57	113.39
33 14 13 13-0727	EA	8" x 6"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,405.65	125.21
33 14 13 13-0728	EA	8" x 8"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,547.07	133.47
33 14 13 13-0729	EA	10" x 4"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,750.15	122.07
33 14 13 13-0730	EA	10" x 6"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,745.35	133.27
33 14 13 13-0731	EA	10" x 8"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,892.05	141.12
33 14 13 13-0732	EA	10" x 10"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,042.28	147.83
33 14 13 13-0733	EA	12" x 4"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,108.32	136.63
33 14 13 13-0734	EA	12" x 6"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,125.11	147.83
33 14 13 13-0735	EA	12" x 8"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,299.30	155.67
33 14 13 13-0736	EA	12" x 10"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,653.75	162.39
33 14 13 13-0737	EA	12" x 12"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,659.05	170.23
33 14 13 13-0738	EA	14" x 6"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,016.35	172.47
33 14 13 13-0739	EA	14" x 8"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,265.16	180.31
33 14 13 13-0740	EA	14" x 10"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,969.12	187.03
33 14 13 13-0741	EA	14" x 12"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,190.42	194.87
33 14 13 13-0742	EA	14" x 14"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,877.11	207.19
33 14 13 13-0743	EA	16" x 6"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,608.39	207.19
33 14 13 13-0744	EA	16" x 8"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,804.29	213.91
33 14 13 13-0745	EA	16" x 10"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,571.09	221.75
33 14 13 13-0746	EA	16" x 12"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,283.82	228.47
33 14 13 13-0747	EA	16" x 14"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,600.30	240.79
33 14 13 13-0748	EA	16" x 16"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,058.89	258.71
33 14 13 13-0749	EA	18" x 6"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,738.90	265.43

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

33 14 13 13-0750	EA	18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,999.49	272.15
33 14 13 13-0751	EA	18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,330.38	278.86
33 14 13 13-0752	EA	18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,636.12	286.71
33 14 13 13-0753	EA	18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,790.13	299.03
33 14 13 13-0754	EA	18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,187.34	315.82
33 14 13 13-0755	EA	18" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,908.65	344.94
33 14 13 13-0756	EA	20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,433.43	379.66
33 14 13 13-0757	EA	20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,525.14	387.50
33 14 13 13-0758	EA	20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,077.93	394.22
33 14 13 13-0759	EA	20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,379.73	402.07
33 14 13 13-0760	EA	20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,441.46	414.38
33 14 13 13-0761	EA	20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,355.61	431.18
33 14 13 13-0762	EA	20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	8,143.16	460.30
33 14 13 13-0763	EA	20" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,918.56	517.41
33 14 13 13-0764	EA	24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,588.87	493.90
33 14 13 13-0765	EA	24" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,651.13	502.85
33 14 13 13-0766	EA	24" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,771.91	508.46
33 14 13 13-0767	EA	24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,951.97	516.29
33 14 13 13-0768	EA	24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	7,918.92	528.61
33 14 13 13-0769	EA	24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	8,261.15	545.41
33 14 13 13-0770	EA	24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	10,186.15	574.54
33 14 13 13-0771	EA	24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	10,508.86	632.77
33 14 13 13-0772	EA	24" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	9,839.69	689.88
33 14 13 13-0773	EA	30" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	11,589.84	575.65
33 14 13 13-0774	EA	30" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	11,027.68	583.49
33 14 13 13-0775	EA	30" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	11,660.95	590.21
33 14 13 13-0776	EA	30" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	12,296.57	598.05
33 14 13 13-0777	EA	30" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	13,198.73	610.37
33 14 13 13-0778	EA	30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	14,171.26	611.96
33 14 13 13-0779	EA	30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	14,101.24	656.29
33 14 13 13-0780	EA	30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	14,072.48	713.40
33 14 13 13-0781	EA	30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	14,656.09	770.53
33 14 13 13-0782	EA	30" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	17,517.87	811.96
33 14 13 13-0783	EA	36" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	11,950.96	647.33
33 14 13 13-0784	EA	36" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	13,387.36	654.05
33 14 13 13-0785	EA	36" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	14,162.40	661.89
33 14 13 13-0786	EA	36" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	14,709.15	674.21
33 14 13 13-0787	EA	36" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	15,257.53	691.01
33 14 13 13-0788	EA	36" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	16,314.62	720.13
33 14 13 13-0789	EA	36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	17,416.88	777.24
33 14 13 13-0790	EA	36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	19,304.32	834.36
33 14 13 13-0791	EA	36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	21,816.61	907.16
33 14 13 13-0792	EA	36" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	25,159.82	907.16
33 14 13 13-0793	EA	42" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	28,723.47	697.73
33 14 13 13-0794	EA	42" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	29,301.64	708.93
33 14 13 13-0795	EA	42" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	32,237.77	726.84
33 14 13 13-0796	EA	42" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	36,762.57	755.96
33 14 13 13-0797	EA	42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	36,849.65	813.08
33 14 13 13-0798	EA	42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	30,436.95	870.20
33 14 13 13-0799	EA	42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	30,975.82	911.63
33 14 13 13-0800	EA	42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	38,419.04	943.00
33 14 13 13-0801	EA	48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	40,503.89	960.91
33 14 13 13-0802	EA	48" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	33,510.39	753.72
33 14 13 13-0803	EA	48" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	34,112.11	766.04
33 14 13 13-0804	EA	48" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	34,966.83	783.97
33 14 13 13-0805	EA	48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	35,833.45	811.96
33 14 13 13-0806	EA	48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	36,749.17	870.20
33 14 13 13-0807	EA	48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	36,945.95	927.31
33 14 13 13-0808	EA	48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	39,676.18	967.64
33 14 13 13-0809	EA	48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	31,856.35	1,000.11
33 14 13 13-0810	EA	48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	40,004.80	1,018.03
33 14 13 13-0811	EA	48" x 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	53,370.84	1,046.03

33 14 13 13-0812 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Laterals)

(33 14 13 13-0630)

33 14 13 13-0813	EA	3" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	665.38	71.09
33 14 13 13-0814	EA	4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	734.11	71.09
33 14 13 13-0815	EA	4" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	863.49	74.41
33 14 13 13-0816	EA	6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	949.96	94.33
33 14 13 13-0817	EA	6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,061.88	98.04
33 14 13 13-0818	EA	6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,301.49	109.85
33 14 13 13-0819	EA	8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,717.81	113.39
33 14 13 13-0820	EA	8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,578.45	125.21
33 14 13 13-0821	EA	8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,776.81	133.47
33 14 13 13-0822	EA	10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,533.63	122.07
33 14 13 13-0823	EA	10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,636.82	133.27
33 14 13 13-0824	EA	10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,952.39	141.12
33 14 13 13-0825	EA	10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,224.37	147.83
33 14 13 13-0826	EA	12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,096.02	136.63
33 14 13 13-0827	EA	12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,513.38	147.83
33 14 13 13-0828	EA	12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,164.72	155.67
33 14 13 13-0829	EA	12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,165.73	162.39
33 14 13 13-0830	EA	12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,837.21	170.23
33 14 13 13-0831	EA	14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,571.52	172.47

MINOR		DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
CSI	UOM			
33 14 13 13-0832	EA	14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	5,262.14	180.31
33 14 13 13-0833	EA	14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	6,951.83	187.03
33 14 13 13-0834	EA	14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,457.85	194.87
33 14 13 13-0835	EA	14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,260.40	207.19
33 14 13 13-0836	EA	16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,749.35	207.19
33 14 13 13-0837	EA	16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	5,251.46	213.91
33 14 13 13-0838	EA	16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	6,246.04	221.75
33 14 13 13-0839	EA	16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	6,443.78	228.47
33 14 13 13-0840	EA	16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,997.85	240.79
33 14 13 13-0841	EA	16" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,552.66	258.71
33 14 13 13-0842	EA	18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	6,741.77	265.43
33 14 13 13-0843	EA	18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,277.27	272.15
33 14 13 13-0844	EA	18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,794.69	278.86
33 14 13 13-0845	EA	18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	8,355.70	286.71
33 14 13 13-0846	EA	18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	8,437.07	299.03
33 14 13 13-0847	EA	18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	8,727.95	315.82
33 14 13 13-0848	EA	18" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,705.87	344.94
33 14 13 13-0849	EA	20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,911.49	379.66
33 14 13 13-0850	EA	20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	8,085.68	387.50
33 14 13 13-0851	EA	20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	8,921.22	394.22
33 14 13 13-0852	EA	20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	9,749.27	402.07
33 14 13 13-0853	EA	20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	9,836.52	414.38
33 14 13 13-0854	EA	20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	9,937.22	431.18
33 14 13 13-0855	EA	20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	11,563.75	460.30
33 14 13 13-0856	EA	20" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	10,849.68	517.41
33 14 13 13-0857	EA	24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	9,575.50	493.90
33 14 13 13-0858	EA	24" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	9,698.64	501.73
33 14 13 13-0859	EA	24" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	10,864.05	508.46
33 14 13 13-0860	EA	24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	11,391.67	516.29
33 14 13 13-0861	EA	24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	13,238.31	528.61
33 14 13 13-0862	EA	24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	14,762.63	545.41
33 14 13 13-0863	EA	24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	16,563.92	574.54
33 14 13 13-0864	EA	24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	18,198.32	632.77
33 14 13 13-0865	EA	24" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	15,981.84	689.88
33 14 13 13-0866	EA	30" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	20,343.57	575.65
33 14 13 13-0867	EA	30" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	22,887.82	583.49
33 14 13 13-0868	EA	30" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	24,251.55	590.21
33 14 13 13-0869	EA	30" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	25,617.64	598.05
33 14 13 13-0870	EA	30" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	27,552.65	610.37
33 14 13 13-0871	EA	30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	29,630.68	627.17
33 14 13 13-0872	EA	30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	30,361.81	656.29
33 14 13 13-0873	EA	30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	31,409.10	713.40
33 14 13 13-0874	EA	30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	32,880.26	770.53
33 14 13 13-0875	EA	30" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	35,667.43	811.96
33 14 13 13-0876	EA	36" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	39,430.00	661.89
33 14 13 13-0877	EA	36" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	40,993.90	674.21
33 14 13 13-0878	EA	36" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	42,545.68	691.01
33 14 13 13-0879	EA	36" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	45,544.77	720.13
33 14 13 13-0880	EA	36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	48,598.85	777.24
33 14 13 13-0881	EA	36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	53,944.19	834.36
33 14 13 13-0882	EA	36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	60,507.38	875.80
33 14 13 13-0883	EA	36" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	72,390.29	907.16
33 14 13 13-0884	EA	42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	63,680.28	813.08
33 14 13 13-0885	EA	42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	65,222.13	870.20
33 14 13 13-0886	EA	42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	69,694.08	911.63
33 14 13 13-0887	EA	42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	79,829.40	943.00
33 14 13 13-0888	EA	42" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	94,353.66	960.91
33 14 13 13-0889	EA	48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	62,733.49	870.20
33 14 13 13-0890	EA	48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	71,126.34	927.31
33 14 13 13-0891	EA	48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	75,831.95	967.64
33 14 13 13-0892	EA	48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	86,577.95	1,000.11
33 14 13 13-0893	EA	48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	113,580.89	1,018.03
33 14 13 13-0894	EA	48" x 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	124,790.90	1,046.03

33 14 13 13-0895

Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee (33 14 13 13-0630)

33 14 13 13-0896	EA	6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	1,187.60	109.85
33 14 13 13-0897	EA	8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	1,480.27	125.21
33 14 13 13-0898	EA	10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	2,138.07	133.27
33 14 13 13-0899	EA	12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	2,462.85	147.83
33 14 13 13-0900	EA	14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	3,265.73	172.47
33 14 13 13-0901	EA	16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	3,979.62	207.19
33 14 13 13-0902	EA	18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	4,689.81	265.43
33 14 13 13-0903	EA	20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	6,295.45	379.66
33 14 13 13-0904	EA	24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	7,336.50	493.90

33 Utilities
33 10 Water Utilities
33 14 Water Utility Transmission and Distribution

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 14 13 13-0905	EA	30" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	13,433.66	575.65
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33 14 13 13-0906 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross
(33 14 13 13-0630)

33 14 13 13-0907	EA	3" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	656.72	84.82
33 14 13 13-0908	EA	4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	825.15	92.29
33 14 13 13-0909	EA	4" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,039.12	93.31
33 14 13 13-0910	EA	6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,096.21	115.68
33 14 13 13-0911	EA	6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,286.64	125.21
33 14 13 13-0912	EA	6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,414.39	155.91
33 14 13 13-0913	EA	8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,365.24	137.01
33 14 13 13-0914	EA	8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,606.88	167.73
33 14 13 13-0915	EA	8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,585.35	179.54
33 14 13 13-0916	EA	10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,610.71	143.35
33 14 13 13-0917	EA	10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,800.81	172.47
33 14 13 13-0918	EA	10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,147.51	183.67
33 14 13 13-0919	EA	10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,327.11	197.11
33 14 13 13-0920	EA	12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,080.97	155.67
33 14 13 13-0921	EA	12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,406.56	184.79
33 14 13 13-0922	EA	12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,613.85	195.99
33 14 13 13-0923	EA	12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	3,056.57	209.43
33 14 13 13-0924	EA	12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	5,625.39	221.75
33 14 13 13-0925	EA	14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	3,626.45	202.71
33 14 13 13-0926	EA	14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,310.90	213.91
33 14 13 13-0927	EA	14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,411.96	228.47
33 14 13 13-0928	EA	14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,656.41	239.67
33 14 13 13-0929	EA	14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	5,163.51	258.71
33 14 13 13-0930	EA	16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,058.35	229.58
33 14 13 13-0931	EA	16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,652.46	239.67
33 14 13 13-0932	EA	16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	5,625.35	254.22
33 14 13 13-0933	EA	16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	6,297.87	266.54
33 14 13 13-0934	EA	16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	7,667.00	284.47
33 14 13 13-0935	EA	16" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	7,996.78	310.23
33 14 13 13-0936	EA	18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	7,059.23	271.03
33 14 13 13-0937	EA	18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	7,470.74	282.22
33 14 13 13-0938	EA	18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	7,821.17	295.66
33 14 13 13-0939	EA	18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	8,501.53	307.98
33 14 13 13-0940	EA	18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	9,974.73	325.91
33 14 13 13-0941	EA	18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	10,608.87	351.67
33 14 13 13-0942	EA	18" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	11,066.91	394.22
33 14 13 13-0943	EA	20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	8,876.06	340.46
33 14 13 13-0944	EA	20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	9,291.48	350.55
33 14 13 13-0945	EA	20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	9,573.18	365.10
33 14 13 13-0946	EA	20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	10,247.67	377.43
33 14 13 13-0947	EA	20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	10,409.17	395.34
33 14 13 13-0948	EA	20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	12,686.85	421.10
33 14 13 13-0949	EA	20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	13,144.87	462.54
33 14 13 13-0950	EA	20" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	14,172.33	531.97
33 14 13 13-0951	EA	24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	12,166.70	425.58
33 14 13 13-0952	EA	24" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	12,448.93	436.78
33 14 13 13-0953	EA	24" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	12,928.61	450.22
33 14 13 13-0954	EA	24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	13,341.95	462.54
33 14 13 13-0955	EA	24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	13,566.29	480.46
33 14 13 13-0956	EA	24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	14,068.87	506.21
33 14 13 13-0957	EA	24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	18,807.54	548.78
33 14 13 13-0958	EA	24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	19,766.27	617.09
33 14 13 13-0959	EA	24" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	21,741.30	702.20
33 14 13 13-0960	EA	30" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	18,917.87	565.57
33 14 13 13-0961	EA	30" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	19,291.86	579.01
33 14 13 13-0962	EA	30" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	19,660.02	591.33
33 14 13 13-0963	EA	30" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	20,092.50	609.25
33 14 13 13-0964	EA	30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	20,585.27	636.13
33 14 13 13-0965	EA	30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	21,151.30	677.57
33 14 13 13-0966	EA	30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	21,856.72	745.89
33 14 13 13-0967	EA	30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	28,232.18	832.12
33 14 13 13-0968	EA	30" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	32,459.02	960.91
33 14 13 13-0969	EA	36" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	26,589.10	612.61
33 14 13 13-0970	EA	36" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	26,959.17	626.05
33 14 13 13-0971	EA	36" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	27,278.23	638.37
33 14 13 13-0972	EA	36" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	27,655.73	657.41
33 14 13 13-0973	EA	36" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	28,095.48	683.17
33 14 13 13-0974	EA	36" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	28,608.50	724.60
33 14 13 13-0975	EA	36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	29,264.82	794.04
33 14 13 13-0976	EA	36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	30,444.58	879.16
33 14 13 13-0977	EA	36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	41,194.51	1,007.96
33 14 13 13-0978	EA	36" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	45,317.51	1,056.11
33 14 13 13-0979	EA	42" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	35,853.72	666.37
33 14 13 13-0980	EA	42" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	36,598.42	684.29
33 14 13 13-0981	EA	42" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	37,024.43	711.17
33 14 13 13-0982	EA	42" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	37,612.05	752.60
33 14 13 13-0983	EA	42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	38,674.83	822.04
33 14 13 13-0984	EA	42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	40,950.30	907.16
33 14 13 13-0985	EA	42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	49,815.16	1,035.95

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0986	EA	42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	65,350.61	1,082.98
33 14 13 13-0987	EA	42" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	70,079.41	1,110.98
33 14 13 13-0988	EA	48" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	48,609.83	776.12
33 14 13 13-0989	EA	48" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	48,924.49	794.04
33 14 13 13-0990	EA	48" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	49,344.61	819.80
33 14 13 13-0991	EA	48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	49,790.84	861.23
33 14 13 13-0992	EA	48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	50,376.49	930.68
33 14 13 13-0993	EA	48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	51,412.93	1,015.79
33 14 13 13-0994	EA	48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	54,337.90	1,144.59
33 14 13 13-0995	EA	48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	66,806.20	1,192.75
33 14 13 13-0996	EA	48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	86,232.54	1,220.74
33 14 13 13-0997	EA	48" x 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	91,805.79	1,329.38
33 14 13 13-0998 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducers (33 14 13 13-0630)				
33 14 13 13-0999	EA	4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	472.47	46.15
33 14 13 13-1000	EA	6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	662.97	57.85
33 14 13 13-1001	EA	6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	729.52	61.42
33 14 13 13-1002	EA	8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	961.37	69.69
33 14 13 13-1003	EA	8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	996.64	81.50
33 14 13 13-1004	EA	10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,180.66	72.80
33 14 13 13-1005	EA	10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,232.80	83.99
33 14 13 13-1006	EA	10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,281.32	91.84
33 14 13 13-1007	EA	12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,366.61	80.63
33 14 13 13-1008	EA	12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,511.05	91.84
33 14 13 13-1009	EA	12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,534.04	98.55
33 14 13 13-1010	EA	12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,601.81	106.39
33 14 13 13-1011	EA	14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,377.86	104.16
33 14 13 13-1012	EA	14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,389.07	110.87
33 14 13 13-1013	EA	14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,071.96	118.71
33 14 13 13-1014	EA	14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,112.61	125.44
33 14 13 13-1015	EA	16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,851.63	120.95
33 14 13 13-1016	EA	16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,762.70	128.80
33 14 13 13-1017	EA	16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,588.94	135.51
33 14 13 13-1018	EA	16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,554.98	142.24
33 14 13 13-1019	EA	16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,891.61	154.56
33 14 13 13-1020	EA	18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,091.29	156.79
33 14 13 13-1021	EA	18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,490.90	164.64
33 14 13 13-1022	EA	18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,329.31	171.35
33 14 13 13-1023	EA	18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,987.97	183.67
33 14 13 13-1024	EA	18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,477.99	201.59
33 14 13 13-1025	EA	20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	4,115.02	215.03
33 14 13 13-1026	EA	20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	4,145.46	221.75
33 14 13 13-1027	EA	20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,756.09	229.58
33 14 13 13-1028	EA	20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,749.10	241.90
33 14 13 13-1029	EA	20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,649.50	258.71
33 14 13 13-1030	EA	20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	4,323.69	287.83
33 14 13 13-1031	EA	24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	5,178.16	286.71
33 14 13 13-1032	EA	24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	5,251.68	299.03
33 14 13 13-1033	EA	24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	5,340.58	315.82
33 14 13 13-1034	EA	24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	5,247.00	344.94

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
33 14 13 13-1035	EA	24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	6,050.80		402.07
33 14 13 13-1036	EA	30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	9,506.20		356.14
33 14 13 13-1037	EA	30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	9,905.48		385.26
33 14 13 13-1038	EA	30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	9,517.39		443.50
33 14 13 13-1039	EA	30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	8,021.54		500.62
33 14 13 13-1040	EA	36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	12,536.61		474.86
33 14 13 13-1041	EA	36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	11,620.03		531.97
33 14 13 13-1042	EA	36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	12,404.33		573.42
33 14 13 13-1043	EA	42" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	18,655.30		406.54
33 14 13 13-1044	EA	42" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	18,534.24		435.66
33 14 13 13-1045	EA	42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	18,560.45		492.77
33 14 13 13-1046	EA	42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	19,273.66		549.90
33 14 13 13-1047	EA	42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	15,698.76		591.33
33 14 13 13-1048	EA	42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	16,426.48		622.69
33 14 13 13-1049	EA	48" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	23,538.61		434.54
33 14 13 13-1050	EA	48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	22,761.69		463.66
33 14 13 13-1051	EA	48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	21,588.14		520.78
33 14 13 13-1052	EA	48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	22,203.17		579.01
33 14 13 13-1053	EA	48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	26,633.89		619.33
33 14 13 13-1054	EA	48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	22,990.62		650.68
33 14 13 13-1055	EA	48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	25,303.25		668.61
33 14 13 13-1056 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps (33 14 13 13-0630)					
33 14 13 13-1057	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	416.65		97.45
33 14 13 13-1058	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	503.11		114.58
33 14 13 13-1059	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	742.78		142.92
33 14 13 13-1060	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	1,003.47		163.00
33 14 13 13-1061	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	1,325.67		246.39
33 14 13 13-1062	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	1,683.59		268.78
33 14 13 13-1063	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	1,916.75		295.66
33 14 13 13-1064	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	2,341.57		328.14
33 14 13 13-1065	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	2,747.43		369.58
33 14 13 13-1066	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	3,320.28		422.22
33 14 13 13-1067	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	4,271.29		492.77
33 14 13 13-1068	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	7,837.29		591.33
33 14 13 13-1069	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	12,913.33		739.16
33 14 13 13-1070	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	18,662.88		886.99
33 14 13 13-1071	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	22,242.62		985.55
33 14 13 13-1072 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug (33 14 13 13-0630)					
33 14 13 13-1073	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	418.62		97.45
33 14 13 13-1074	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	522.75		114.58
33 14 13 13-1075	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	793.84		142.92
33 14 13 13-1076	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	1,054.52		163.00
33 14 13 13-1077	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	1,618.24		246.39
33 14 13 13-1078	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	1,750.35		268.78
33 14 13 13-1079	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	2,342.85		295.66
33 14 13 13-1080	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	2,834.43		328.14
33 14 13 13-1081	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	3,377.75		369.58
33 14 13 13-1082	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	4,172.49		422.22
33 14 13 13-1083	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	5,484.80		492.77
33 14 13 13-1084	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	9,514.20		591.33
33 14 13 13-1085	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	13,956.00		739.16
33 14 13 13-1086	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	18,794.44		886.99
33 14 13 13-1087	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	25,032.90		985.55
33 14 13 13-1088 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters (33 14 13 13-0630)					
33 14 13 13-1089	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	564.11		148.11

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1090	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	752.71	171.26
33 14 13 13-1091	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,041.52	214.97
33 14 13 13-1092	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,378.55	244.50
33 14 13 13-1093	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	2,028.75	369.58
33 14 13 13-1094	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	2,433.10	403.18
33 14 13 13-1095	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	3,205.01	443.50
33 14 13 13-1096	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	3,640.98	492.77
33 14 13 13-1097	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	4,802.50	554.37
33 14 13 13-1098	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	5,572.45	633.89
33 14 13 13-1099	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	6,753.52	739.16
33 14 13 13-1100	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	10,700.48	886.99
33 14 13 13-1101	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	14,582.74	1,108.74
33 14 13 13-1102	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	19,908.45	1,266.66
33 14 13 13-1103	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	24,770.24	1,478.33
33 14 13 13-1104 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves (33 14 13 13-0630)				
33 14 13 13-1105	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	587.68	148.11
33 14 13 13-1106	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	723.26	171.26
33 14 13 13-1107	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	1,074.91	214.97
33 14 13 13-1108	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	1,468.87	244.50
33 14 13 13-1109	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	1,903.08	369.58
33 14 13 13-1110	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	2,315.28	403.18
33 14 13 13-1111	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	2,953.67	443.50
33 14 13 13-1112	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	3,507.45	492.77
33 14 13 13-1113	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	4,197.72	554.37
33 14 13 13-1114	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	4,891.08	633.89
33 14 13 13-1115	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	6,129.09	739.16
33 14 13 13-1116	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	10,376.49	886.99
33 14 13 13-1117	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	13,500.79	1,108.74
33 14 13 13-1118	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	17,624.56	1,265.54
33 14 13 13-1119	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	26,292.03	1,478.33
33 14 13 13-1120 Push-On Joint Ductile Iron Piping And Gaskets (33 14 13 13-0001)				
33 14 13 13-1121 Push-On Joint Ductile Iron Pipe (33 14 13 13-1120)				
Note: Conforming to ANSI/AWWA C151/A21.51, federal specification WW-P-421D.				
33 14 13 13-1122	LF	4", Class 50, Push-On Joint Ductile Iron Pipe.....	35.89	9.74
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	14.79	
		For Cement Mortar Lining (CML), Add	2.11	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	11.41	
		For Fusion Bonded Epoxy Lining (206N), Add	3.80	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.58	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Pipe, Add	10.04	
		For >1,000, Deduct	-1.79	
		For Class 51, Add	3.06	
		For Class 52, Add	6.60	
		For Class 53, Add	11.88	
		For Class 54, Add	16.93	
		For Class 55, Add	19.49	
		For Class 56, Add	21.99	
33 14 13 13-1123	LF	6", Class 50, Push-On Joint Ductile Iron Pipe.....	39.37	10.75
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	16.23	
		For Cement Mortar Lining (CML), Add	2.32	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	12.52	
		For Fusion Bonded Epoxy Lining (206N), Add	4.17	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.74	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Pipe, Add	11.02	
		For >1,000, Deduct	-1.97	
		For Class 51, Add	3.36	
		For Class 52, Add	7.25	
		For Class 53, Add	13.03	
		For Class 54, Add	18.58	
		For Class 55, Add	21.38	
		For Class 56, Add	24.14	

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR		DESCRIPTION	TOTAL DIRECT		DEMOLITION
CSI	UOM		UNIT COST	UNIT COST	
33 14 13 13-1124	LF	8", Class 50, Push-On Joint Ductile Iron Pipe.....	49.41		11.81
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	22.19		
		For Cement Mortar Lining (CML), Add	3.17		
		Note: ANSI/AWWA C104/A21.4			
		For 40 Mil Ceramic Epoxy Lining (P401), Add	17.12		
		For Fusion Bonded Epoxy Lining (206N), Add	5.71		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	2.38		
		Note: ANSI/AWWA C151/A21.51			
		For Restrained Joint Pipe, Add	15.06		
		For >1,000, Deduct	-2.47		
		For Class 51, Add	4.54		
		For Class 52, Add	9.80		
		For Class 53, Add	17.65		
		For Class 54, Add	25.18		
		For Class 55, Add	28.96		
		For Class 56, Add	32.66		
33 14 13 13-1125	LF	10", Class 50, Push-On Joint Ductile Iron Pipe.....	69.92		16.68
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	26.83		
		For Cement Mortar Lining (CML), Add	4.47		
		Note: ANSI/AWWA C104/A21.4			
		For 40 Mil Ceramic Epoxy Lining (P401), Add	22.36		
		For Fusion Bonded Epoxy Lining (206N), Add	8.05		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.35		
		Note: ANSI/AWWA C151/A21.51			
		For Restrained Joint Pipe, Add	21.24		
		For >1,000, Deduct	-3.50		
		For Class 51, Add	6.41		
		For Class 52, Add	13.83		
		For Class 53, Add	24.91		
		For Class 54, Add	35.53		
		For Class 55, Add	40.86		
		For Class 56, Add	46.10		
33 14 13 13-1126	LF	12", Class 50, Push-On Joint Ductile Iron Pipe.....	81.31		18.48
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	26.66		
		For Cement Mortar Lining (CML), Add	5.33		
		Note: ANSI/AWWA C104/A21.4			
		For 40 Mil Ceramic Epoxy Lining (P401), Add	21.32		
		For Fusion Bonded Epoxy Lining (206N), Add	9.60		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	4.00		
		Note: ANSI/AWWA C151/A21.51			
		For Restrained Joint Pipe, Add	25.32		
		For >1,000, Deduct	-4.07		
		For Class 51, Add	7.62		
		For Class 52, Add	16.43		
		For Class 53, Add	29.62		
		For Class 54, Add	42.26		
		For Class 55, Add	48.58		
		For Class 56, Add	54.80		
33 14 13 13-1127	LF	14", Class 50, Push-On Joint Ductile Iron Pipe.....	99.43		20.84
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	29.90		
		For Cement Mortar Lining (CML), Add	6.80		
		Note: ANSI/AWWA C104/A21.4			
		For 40 Mil Ceramic Epoxy Lining (P401), Add	23.11		
		For Fusion Bonded Epoxy Lining (206N), Add	12.23		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	5.10		
		Note: ANSI/AWWA C151/A21.51			
		For Restrained Joint Pipe, Add	32.28		
		For >1,000, Deduct	-4.97		
		For Class 51, Add	9.66		
		For Class 52, Add	20.84		
		For Class 53, Add	37.60		
		For Class 54, Add	53.66		
		For Class 55, Add	61.67		
		For Class 56, Add	69.54		
33 14 13 13-1128	LF	16", Class 50, Push-On Joint Ductile Iron Pipe.....	118.00		23.74
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	33.64		
		For Cement Mortar Lining (CML), Add	8.21		
		Note: ANSI/AWWA C104/A21.4			
		For 40 Mil Ceramic Epoxy Lining (P401), Add	25.44		
		For Fusion Bonded Epoxy Lining (206N), Add	14.77		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	6.15		
		Note: ANSI/AWWA C151/A21.51			
		For Restrained Joint Pipe, Add	38.97		
		For >1,000, Deduct	-5.90		
		For Class 51, Add	11.63		
		For Class 52, Add	25.11		
		For Class 53, Add	45.32		
		For Class 54, Add	64.68		
		For Class 55, Add	74.33		
		For Class 56, Add	83.80		

		Utilities	33	
		Water Utilities	33 10	
		Water Utility Transmission and Distribution	33 14	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1129	LF	18", Class 50, Push-On Joint Ductile Iron Pipe.....	137.29	27.77
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	39.07	
		For Cement Mortar Lining (CML), Add	9.53	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	29.54	
		For Fusion Bonded Epoxy Lining (206N), Add	17.15	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	7.15	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Pipe, Add	45.26	
		For >1,000, Deduct	-6.86	
		For Class 51, Add	13.51	
		For Class 52, Add	29.17	
		For Class 53, Add	52.64	
		For Class 54, Add	75.13	
		For Class 55, Add	86.34	
		For Class 56, Add	97.34	
33 14 13 13-1130	LF	20", Class 50, Push-On Joint Ductile Iron Pipe.....	158.19	33.27
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	40.96	
		For Cement Mortar Lining (CML), Add	10.78	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	30.18	
		For Fusion Bonded Epoxy Lining (206N), Add	19.40	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	8.08	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Pipe, Add	51.20	
		For >1,000, Deduct	-7.91	
		For Class 51, Add	15.32	
		For Class 52, Add	33.07	
		For Class 53, Add	59.65	
		For Class 54, Add	85.13	
		For Class 55, Add	97.84	
		For Class 56, Add	110.33	
33 14 13 13-1131	LF	24", Class 50, Push-On Joint Ductile Iron Pipe.....	200.20	41.55
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	42.51	
		For Cement Mortar Lining (CML), Add	13.71	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	28.80	
		For Fusion Bonded Epoxy Lining (206N), Add	24.69	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	10.29	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Pipe, Add	65.14	
		For >1,000, Deduct	-10.01	
		For Class 51, Add	19.48	
		For Class 52, Add	42.05	
		For Class 53, Add	75.86	
		For Class 54, Add	108.26	
		For Class 55, Add	124.42	
		For Class 56, Add	140.29	
33 14 13 13-1132	LF	30", Class 50, Push-On Joint Ductile Iron Pipe.....	237.89	44.35
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	52.91	
		For Cement Mortar Lining (CML), Add	17.07	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	30.72	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	12.80	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	-11.89	
		For Class 51, Add	24.11	
		For Class 52, Add	52.05	
		For Class 53, Add	93.99	
		For Class 54, Add	134.18	
		For Class 55, Add	154.15	
		For Class 56, Add	173.77	
33 14 13 13-1133	LF	36", Class 50, Push-On Joint Ductile Iron Pipe.....	296.16	47.15
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	69.66	
		For Cement Mortar Lining (CML), Add	22.47	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	40.45	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	16.85	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	-14.81	
		For Class 51, Add	31.52	
		For Class 52, Add	68.10	
		For Class 53, Add	123.10	
		For Class 54, Add	175.79	
		For Class 55, Add	201.87	
		For Class 56, Add	227.48	

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 14 13 13-1134	LF	42", Class 50, Push-On Joint Ductile Iron Pipe.....	362.14	49.95
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	88.83	
		For Cement Mortar Lining (CML), Add	28.65	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	51.58	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	21.49	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	-18.11	
		For Class 51, Add	40.00	
		For Class 52, Add	86.45	
		For Class 53, Add	156.39	
		For Class 54, Add	223.38	
		For Class 55, Add	256.45	
		For Class 56, Add	288.91	
33 14 13 13-1135	LF	48", Class 50, Push-On Joint Ductile Iron Pipe.....	437.06	52.64
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	110.74	
		For Cement Mortar Lining (CML), Add	35.72	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	64.30	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	26.79	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	-21.85	
		For Class 51, Add	49.69	
		For Class 52, Add	107.41	
		For Class 53, Add	194.42	
		For Class 54, Add	277.76	
		For Class 55, Add	318.80	
		For Class 56, Add	359.09	
33 14 13 13-1136	LF	54", Class 50, Push-On Joint Ductile Iron Pipe.....	555.85	55.44
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	146.28	
		For Cement Mortar Lining (CML), Add	47.19	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	84.93	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	35.39	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	-27.79	
		For Class 51, Add	65.36	
		For Class 52, Add	141.35	
		For Class 53, Add	256.02	
		For Class 54, Add	365.83	
		For Class 55, Add	419.78	
		For Class 56, Add	472.73	

33 14 13 13-1137 Push-On Joint Ductile Iron 90 Degree Elbow (33 14 13 13-1120)

33 14 13 13-1138	EA	4" 90 Degree Elbow, Push-On Joint Ductile Iron	295.26	38.04
		For Cement Mortar Lining (CML), Add	23.76	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	42.77	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	17.82	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	142.57	
33 14 13 13-1139	EA	6" 90 Degree Elbow, Push-On Joint Ductile Iron	427.58	56.10
		For Cement Mortar Lining (CML), Add	34.25	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	61.66	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	25.69	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	205.52	
33 14 13 13-1140	EA	8" 90 Degree Elbow, Push-On Joint Ductile Iron	576.12	66.62
		For Cement Mortar Lining (CML), Add	47.51	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	85.52	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	35.63	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	285.08	
33 14 13 13-1141	EA	10" 90 Degree Elbow, Push-On Joint Ductile Iron	870.70	73.70
		For Cement Mortar Lining (CML), Add	71.83	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	129.29	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	53.87	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	430.97	
33 14 13 13-1142	EA	12" 90 Degree Elbow, Push-On Joint Ductile Iron	1,129.00	86.46
		For Cement Mortar Lining (CML), Add	95.03	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	171.06	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	71.27	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	570.19	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1143 EA 14" 90 Degree Elbow, Push-On Joint Ductile Iron	2,284.69	96.98
For Cement Mortar Lining (CML), Add	208.42	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	375.15	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	156.31	
Note: ANSI/AWWA C151/A21.51		
For Restrained Joint Fitting, Add	1,250.50	
33 14 13 13-1144 EA 16" 90 Degree Elbow, Push-On Joint Ductile Iron	2,582.00	110.87
For Cement Mortar Lining (CML), Add	235.29	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	423.53	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	176.47	
Note: ANSI/AWWA C151/A21.51		
For Restrained Joint Fitting, Add	1,411.75	
33 14 13 13-1145 EA 18" 90 Degree Elbow, Push-On Joint Ductile Iron	4,033.82	155.23
For Cement Mortar Lining (CML), Add	371.31	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	668.36	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	278.48	
Note: ANSI/AWWA C151/A21.51		
For Restrained Joint Fitting, Add	2,227.87	
33 14 13 13-1146 EA 20" 90 Degree Elbow, Push-On Joint Ductile Iron	4,527.29	195.66
For Cement Mortar Lining (CML), Add	413.60	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	744.49	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	310.20	
Note: ANSI/AWWA C151/A21.51		
For Restrained Joint Fitting, Add	2,481.62	
33 14 13 13-1147 EA 24" 90 Degree Elbow, Push-On Joint Ductile Iron	5,652.84	244.60
For Cement Mortar Lining (CML), Add	516.38	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	929.48	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	387.28	
Note: ANSI/AWWA C151/A21.51		
For Restrained Joint Fitting, Add	3,098.26	
 33 14 13 13-1148 Push-On Joint Ductile Iron 45 Degree Elbow (33 14 13 13-1120)		
33 14 13 13-1149 EA 4" 45 Degree Elbow, Push-On Joint Ductile Iron	241.22	38.04
For Cement Mortar Lining (CML), Add	18.36	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	33.04	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	13.77	
Note: ANSI/AWWA C151/A21.51		
For Restrained Joint Fitting, Add	110.15	
33 14 13 13-1150 EA 6" 45 Degree Elbow, Push-On Joint Ductile Iron	354.92	56.10
For Cement Mortar Lining (CML), Add	26.99	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	48.58	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	20.24	
Note: ANSI/AWWA C151/A21.51		
For Restrained Joint Fitting, Add	161.93	
33 14 13 13-1151 EA 8" 45 Degree Elbow, Push-On Joint Ductile Iron	497.95	66.62
For Cement Mortar Lining (CML), Add	39.70	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	71.45	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	29.77	
Note: ANSI/AWWA C151/A21.51		
For Restrained Joint Fitting, Add	238.18	
33 14 13 13-1152 EA 10" 45 Degree Elbow, Push-On Joint Ductile Iron	762.78	73.70
For Cement Mortar Lining (CML), Add	61.04	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	109.87	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	45.78	
Note: ANSI/AWWA C151/A21.51		
For Restrained Joint Fitting, Add	366.22	
33 14 13 13-1153 EA 12" 45 Degree Elbow, Push-On Joint Ductile Iron	991.48	86.46
For Cement Mortar Lining (CML), Add	81.28	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	146.30	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	60.96	
Note: ANSI/AWWA C151/A21.51		
For Restrained Joint Fitting, Add	487.67	
33 14 13 13-1154 EA 14" 45 Degree Elbow, Push-On Joint Ductile Iron	1,425.97	96.98
For Cement Mortar Lining (CML), Add	122.54	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	220.58	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	91.91	
Note: ANSI/AWWA C151/A21.51		
For Restrained Joint Fitting, Add	735.26	

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
33 14 13 13-1155	EA	16" 45 Degree Elbow, Push-On Joint Ductile Iron	2,132.36		110.87
		For Cement Mortar Lining (CML), Add	190.33		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	342.59		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	142.75		
		Note: ANSI/AWWA C151/A21.51			
		For Restrained Joint Fitting, Add	1,141.96		
33 14 13 13-1156	EA	18" 45 Degree Elbow, Push-On Joint Ductile Iron	2,434.21		155.23
		For Cement Mortar Lining (CML), Add	211.35		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	380.43		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	158.51		
		Note: ANSI/AWWA C151/A21.51			
		For Restrained Joint Fitting, Add	1,268.10		
33 14 13 13-1157	EA	20" 45 Degree Elbow, Push-On Joint Ductile Iron	3,432.10		195.66
		For Cement Mortar Lining (CML), Add	304.08		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	547.35		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	228.06		
		Note: ANSI/AWWA C151/A21.51			
		For Restrained Joint Fitting, Add	1,824.50		
33 14 13 13-1158	EA	24" 45 Degree Elbow, Push-On Joint Ductile Iron	4,257.94		244.60
		For Cement Mortar Lining (CML), Add	376.89		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	678.39		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	282.66		
		Note: ANSI/AWWA C151/A21.51			
		For Restrained Joint Fitting, Add	2,261.32		
33 14 13 13-1159 Push-On Joint Ductile Iron Tee (33 14 13 13-1120)					
33 14 13 13-1160	EA	4" Tee, Push-On Joint Ductile Iron	452.46		56.10
		For Cement Mortar Lining (CML), Add	36.74		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	66.14		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	27.56		
		Note: ANSI/AWWA C151/A21.51			
		For Restrained Joint Fitting, Add	220.45		
33 14 13 13-1161	EA	6" Tee, Push-On Joint Ductile Iron	627.73		82.44
		For Cement Mortar Lining (CML), Add	50.28		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	90.50		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	37.71		
		Note: ANSI/AWWA C151/A21.51			
		For Restrained Joint Fitting, Add	301.66		
33 14 13 13-1162	EA	8" Tee, Push-On Joint Ductile Iron	864.29		99.93
		For Cement Mortar Lining (CML), Add	71.28		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	128.30		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	53.46		
		Note: ANSI/AWWA C151/A21.51			
		For Restrained Joint Fitting, Add	427.65		
33 14 13 13-1163	EA	10" Tee, Push-On Joint Ductile Iron	1,289.55		112.00
		For Cement Mortar Lining (CML), Add	112.16		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	201.88		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	84.12		
		Note: ANSI/AWWA C151/A21.51			
		For Restrained Joint Fitting, Add	672.94		
33 14 13 13-1164	EA	12" Tee, Push-On Joint Ductile Iron	1,610.37		129.13
		For Cement Mortar Lining (CML), Add	141.44		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	254.59		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	106.08		
		Note: ANSI/AWWA C151/A21.51			
		For Restrained Joint Fitting, Add	848.63		
33 14 13 13-1165	EA	14" Tee, Push-On Joint Ductile Iron	2,621.02		155.23
		For Cement Mortar Lining (CML), Add	238.58		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	429.45		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	178.94		
		Note: ANSI/AWWA C151/A21.51			
		For Restrained Joint Fitting, Add	1,431.50		
33 14 13 13-1166	EA	16" Tee, Push-On Joint Ductile Iron	3,804.16		194.09
		For Cement Mortar Lining (CML), Add	351.02		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	631.83		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	263.26		
		Note: ANSI/AWWA C151/A21.51			
		For Restrained Joint Fitting, Add	2,106.11		

			Utilities	33	CS
			Water Utilities	33 10	
			Water Utility Transmission and Distribution	33 14	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1167	EA	18" Tee, Push-On Joint Ductile Iron.....	4,773.66	258.93
		For Cement Mortar Lining (CML), Add	438.13	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	788.64	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	328.60	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	2,628.80	
33 14 13 13-1168	EA	20" Tee, Push-On Joint Ductile Iron.....	5,619.76	315.94
		For Cement Mortar Lining (CML), Add	514.11	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	925.40	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	385.58	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	3,084.66	
33 14 13 13-1169	EA	24" Tee, Push-On Joint Ductile Iron.....	7,370.30	394.89
		For Cement Mortar Lining (CML), Add	677.20	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,218.97	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	507.90	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	4,063.22	
33 14 13 13-1170 Flanged End x Push-On Joint Ductile Iron Adapters (33 14 13 13-1120)				
33 14 13 13-1171	EA	4" Flanged End x Push-On Joint Adapter, Ductile Iron	451.32	131.93
		For Cement Mortar Lining (CML), Add	25.14	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	45.26	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	18.86	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1172	EA	6" Flanged End x Push-On Joint Adapter, Ductile Iron	552.24	163.36
		For Cement Mortar Lining (CML), Add	30.48	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	54.86	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	22.86	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1173	EA	8" Flanged End x Push-On Joint Adapter, Ductile Iron	726.82	190.52
		For Cement Mortar Lining (CML), Add	43.81	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	78.86	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	32.86	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1174	EA	10" Flanged End x Push-On Joint Adapter, Ductile Iron	991.41	277.19
		For Cement Mortar Lining (CML), Add	57.14	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	102.86	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	42.86	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1175	EA	12" Flanged End x Push-On Joint Adapter, Ductile Iron	1,203.79	316.83
		For Cement Mortar Lining (CML), Add	72.38	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	130.29	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	54.29	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1176	EA	14" Flanged End x Push-On Joint Adapter, Ductile Iron	1,393.10	341.14
		For Cement Mortar Lining (CML), Add	87.62	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	157.72	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	65.72	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1177	EA	16" Flanged End x Push-On Joint Adapter, Ductile Iron	1,664.75	369.58
		For Cement Mortar Lining (CML), Add	110.48	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	198.86	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	82.86	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1178	EA	18" Flanged End x Push-On Joint Adapter, Ductile Iron	1,967.21	443.50
		For Cement Mortar Lining (CML), Add	129.52	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	233.14	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	97.14	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1179	EA	20" Flanged End x Push-On Joint Adapter, Ductile Iron	2,289.50	492.77
		For Cement Mortar Lining (CML), Add	154.29	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	277.72	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	115.72	
		Note: ANSI/AWWA C151/A21.51		

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 14 13 13-1180	EA	24" Flanged End x Push-On Joint Adapter, Ductile Iron	2,880.56	568.59
		For Cement Mortar Lining (CML), Add	201.91	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	363.43	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	151.43	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1181	EA	30" Flanged End x Push-On Joint Adapter, Ductile Iron	4,657.43	682.27
		For Cement Mortar Lining (CML), Add	362.36	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	652.26	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	271.77	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1182	EA	36" Flanged End x Push-On Joint Adapter, Ductile Iron	6,462.57	852.84
		For Cement Mortar Lining (CML), Add	517.03	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	930.66	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	387.77	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1183	EA	42" Flanged End x Push-On Joint Adapter, Ductile Iron	8,188.15	985.55
		For Cement Mortar Lining (CML), Add	669.49	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,205.08	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	502.12	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1184	EA	48" Flanged End x Push-On Joint Adapter, Ductile Iron	10,448.72	1,267.10
		For Cement Mortar Lining (CML), Add	852.88	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,535.19	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	639.66	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1185	EA	54" Flanged End x Push-On Joint Adapter, Ductile Iron	12,707.61	1,478.66
		For Cement Mortar Lining (CML), Add	1,046.71	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,884.08	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	785.03	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-1186 Push-On Joint Ductile Iron Pipe And Fitting Restraints (33 14 13 13-1120)

Note: Includes ductile iron follower gland, restraint ring and all nuts and bolts. Excludes pipe and fitting.

33 14 13 13-1187	EA	4" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	57.60	20.54
33 14 13 13-1188	EA	6" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	74.90	26.80
33 14 13 13-1189	EA	8" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	97.38	27.41
33 14 13 13-1190	EA	10" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	116.21	29.11
33 14 13 13-1191	EA	12" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	138.94	32.33
33 14 13 13-1192	EA	14" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	176.80	36.38
33 14 13 13-1193	EA	16" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	208.99	41.57
33 14 13 13-1194	EA	18" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	236.14	45.05
33 14 13 13-1195	EA	20" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	274.89	54.05
33 14 13 13-1196	EA	24" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	333.18	56.13
33 14 13 13-1197	EA	30" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	430.54	62.37
33 14 13 13-1198	EA	36" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	566.49	67.55
33 14 13 13-1199	EA	42" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	702.72	73.92
33 14 13 13-1200	EA	48" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	830.52	83.16
33 14 13 13-1201	EA	54" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	1,156.12	90.18

33 14 13 13-1202 Push-On Joint Ductile Iron Bell Restraint Harness (MEGALUG® 1700 Series) (33 14 13 13-1120)

33 14 13 13-1203	EA	4" Bell Restraint Harness, Ductile Iron (MEGALUG® 170400)	246.21	75.60
33 14 13 13-1204	EA	6" Bell Restraint Harness, Ductile Iron (MEGALUG® 170600)	325.42	92.28
33 14 13 13-1205	EA	8" Bell Restraint Harness, Ductile Iron (MEGALUG® 170800)	419.42	112.56
33 14 13 13-1206	EA	10" Bell Restraint Harness, Ductile Iron (MEGALUG® 171000)	634.29	137.30
33 14 13 13-1207	EA	12" Bell Restraint Harness, Ductile Iron (MEGALUG® 171200)	786.92	167.43
33 14 13 13-1208	EA	14" Bell Restraint Harness, Ductile Iron (MEGALUG® 171400)	1,362.46	204.28
33 14 13 13-1209	EA	16" Bell Restraint Harness, Ductile Iron (MEGALUG® 171600)	1,554.34	249.30
33 14 13 13-1210	EA	18" Bell Restraint Harness, Ductile Iron (MEGALUG® 171800)	1,763.02	304.06
33 14 13 13-1211	EA	20" Bell Restraint Harness, Ductile Iron (MEGALUG® 172000)	2,399.55	371.04
33 14 13 13-1212	EA	24" Bell Restraint Harness, Ductile Iron (MEGALUG® 172400)	3,061.89	452.57
33 14 13 13-1213	EA	30" Bell Restraint Harness, Ductile Iron (MEGALUG® 173000)	5,300.74	552.25
33 14 13 13-1214	EA	36" Bell Restraint Harness, Ductile Iron (MEGALUG® 173600)	7,528.65	673.65
33 14 13 13-1215	EA	42" Bell Restraint Harness, Ductile Iron (MEGALUG® 174200)	13,703.98	821.92
33 14 13 13-1216	EA	48" Bell Restraint Harness, Ductile Iron (MEGALUG® 174800)	17,732.94	1,002.69

33 14 13 13-1217 Ductile Iron Pipe Repair (33 14 13 13-0001)

See CSI section 33 14 13 13-0002 for mechanical joint fittings.

33 14 13 13-1218 Ductile Iron Pipe Repair (33 14 13 13-1217)

Note: Includes two transition sleeves, mechanical joint ductile iron sleeve and 16" of ductile iron pipe.

33 14 13 13-1219	EA	30" Diameter Mechanical Ductile Iron Push Joint	4,359.40	
33 14 13 13-1220	EA	36" Diameter Mechanical Ductile Iron Push Joint	5,578.47	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST

33 14 13 13-1221	EA		42" Diameter Mechanical Ductile Iron Push Joint.....	7,184.38	
33 14 13 13-1222	EA		48" Diameter Mechanical Ductile Iron Push Joint.....	9,053.64	
33 14 13 13-1223	EA		54" Diameter Mechanical Ductile Iron Push Joint.....	13,251.87	

33 14 13 13-1224 WEKO Seals (33 14 13 13-1217)
Note: Internal joint seal.

33 14 13 13-1225	EA		16" WEKO Internal Joint Seal.....	2,617.09	210.64
			For Extra Wide Seals, Add	85.96	
33 14 13 13-1226	EA		18" WEKO Internal Joint Seal.....	2,789.32	222.42
			For Extra Wide Seals, Add	86.86	
33 14 13 13-1227	EA		20" WEKO Internal Joint Seal.....	2,961.36	234.20
			For Extra Wide Seals, Add	87.74	
33 14 13 13-1228	EA		24" WEKO Internal Joint Seal.....	3,134.56	252.93
			For Extra Wide Seals, Add	89.16	
33 14 13 13-1229	EA		30" WEKO Internal Joint Seal.....	3,229.47	271.68
			For Extra Wide Seals, Add	90.58	
33 14 13 13-1230	EA		36" WEKO Internal Joint Seal.....	3,382.36	295.09
			For Extra Wide Seals, Add	92.36	
33 14 13 13-1231	EA		42" WEKO Internal Joint Seal.....	3,601.06	323.19
			For Extra Wide Seals, Add	94.48	
33 14 13 13-1232	EA		48" WEKO Internal Joint Seal.....	3,890.92	346.62
			For Extra Wide Seals, Add	96.26	
33 14 13 13-1233	EA		54" WEKO Internal Joint Seal.....	4,032.82	365.35
			For Extra Wide Seals, Add	97.68	

33 14 13 23 Plastic Public Water Utility Distribution Piping (33 14 13)
Note: Includes detectable tracer wire.

33 14 13 23-0001 Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Piping (33 14 13 23)
33 14 13 23-0002 Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe (33 14 13 23-0001)

33 14 13 23-0003	LF		3/4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	2.58	0.87
			For >1,000, Deduct	-0.13	
			For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.06	
33 14 13 23-0004	LF		1" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	2.87	0.93
			For >1,000, Deduct	-0.14	
			For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.08	
33 14 13 23-0005	LF		1-1/4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	3.40	1.02
			For >1,000, Deduct	-0.17	
			For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.13	
33 14 13 23-0006	LF		1-1/2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	3.98	1.13
			For >1,000, Deduct	-0.20	
			For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.17	
33 14 13 23-0007	LF		2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	5.30	1.27
			For >1,000, Deduct	-0.27	
			For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.32	
33 14 13 23-0008	LF		2-1/2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	6.98	1.44
			For >1,000, Deduct	-0.35	
			For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.51	
33 14 13 23-0009	LF		3" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	8.63	1.60
			For >1,000, Deduct	-0.43	
			For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.69	
33 14 13 23-0010	LF		4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	12.48	1.97
			For >1,000, Deduct	-0.62	
			For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	1.13	
33 14 13 23-0011	LF		6" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	22.74	2.50
			For >1,000, Deduct	-1.14	
			For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	2.47	
33 14 13 23-0012	LF		8" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	36.67	3.50
			For >1,000, Deduct	-1.63	
			For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	4.19	
33 14 13 23-0013	LF		10" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	55.11	4.69
			For >1,000, Deduct	-2.76	
			For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	6.51	
33 14 13 23-0014	LF		12" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	76.91	6.31
			For >1,000, Deduct	-3.85	
			For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	9.17	

33 14 13 23-0015 90 Degree Elbows, Class 200, SDR 21 Polyvinyl Chloride (PVC) (33 14 13 23-0001)

33 14 13 23-0016	EA		3/4", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	26.59	10.45
33 14 13 23-0017	EA		1", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	33.69	13.07
33 14 13 23-0018	EA		1-1/4", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	42.55	16.33
33 14 13 23-0019	EA		1-1/2", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	69.17	18.07
33 14 13 23-0020	EA		2", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	74.39	20.25
33 14 13 23-0021	EA		2-1/2", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	88.79	22.97
33 14 13 23-0022	EA		3", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	99.30	25.66
33 14 13 23-0023	EA		4", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	141.10	31.51
33 14 13 23-0024	EA		6", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	207.53	40.04
33 14 13 23-0025	EA		8", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	346.06	52.56
33 14 13 23-0026	EA		10", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	420.95	70.32
33 14 13 23-0027	EA		12", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	555.09	94.65

33 14 13 23-0028 45 Degree Elbows, Class 200, SDR 21 Polyvinyl Chloride (PVC) (33 14 13 23-0001)

33 14 13 23-0029	EA		3/4" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	27.24	10.45
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33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 14 13 23-0030	EA	1" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	34.15	13.07
33 14 13 23-0031	EA	1-1/4" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	42.83	16.33
33 14 13 23-0032	EA	1-1/2" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	60.74	18.07
33 14 13 23-0033	EA	2" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	75.17	20.25
33 14 13 23-0034	EA	2-1/2" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	91.97	22.97
33 14 13 23-0035	EA	3" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	97.96	25.66
33 14 13 23-0036	EA	4" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	138.20	31.51
33 14 13 23-0037	EA	6" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	201.68	40.04
33 14 13 23-0038	EA	8" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	334.90	52.56
33 14 13 23-0039	EA	10" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	374.73	70.32
33 14 13 23-0040	EA	12" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	491.13	94.65

33 14 13 23-0041 Tees Or Wyes, Class 200, SDR 21 Polyvinyl Chloride (PVC) (33 14 13 23-0001)

33 14 13 23-0042	EA	3/4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	39.84	15.68
33 14 13 23-0043	EA	1" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	50.37	19.71
33 14 13 23-0044	EA	1-1/4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	63.26	24.61
33 14 13 23-0045	EA	1-1/2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	93.39	27.23
33 14 13 23-0046	EA	2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	106.80	30.27
33 14 13 23-0047	EA	2-1/2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	124.95	34.52
33 14 13 23-0048	EA	3" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	152.54	38.39
33 14 13 23-0049	EA	4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	203.05	47.32
33 14 13 23-0050	EA	6" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	351.66	60.16
33 14 13 23-0051	EA	8" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	536.27	78.84
33 14 13 23-0052	EA	10" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	623.20	112.43
33 14 13 23-0053	EA	12" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	771.01	151.28

33 14 13 23-0054 Couplings, Class 200, SDR 21 Polyvinyl Chloride (PVC) (33 14 13 23-0001)

33 14 13 23-0055	EA	3/4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	17.83	6.97
33 14 13 23-0056	EA	1" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	24.10	9.37
33 14 13 23-0057	EA	1-1/4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	32.37	12.30
33 14 13 23-0058	EA	1-1/2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	48.04	13.61
33 14 13 23-0059	EA	2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	52.83	15.14
33 14 13 23-0060	EA	2-1/2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	60.08	17.20
33 14 13 23-0061	EA	3" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	69.24	19.19
33 14 13 23-0062	EA	4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	97.29	23.61
33 14 13 23-0063	EA	6" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	142.19	30.08
33 14 13 23-0064	EA	8" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	251.32	39.42
33 14 13 23-0065	EA	10" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	293.47	56.27
33 14 13 23-0066	EA	12" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	370.87	75.64

33 14 13 23-0067 Schedule 40 Polyvinyl Chloride (PVC) Pipe And Fittings (33 14 13 23)**33 14 13 23-0068 Schedule 40 Polyvinyl Chloride (PVC) Pipe** (33 14 13 23-0067)

33 14 13 23-0069	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe	2.91	0.87
		For >1,000, Deduct	-0.15	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.11	
33 14 13 23-0070	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Pipe	3.49	0.93
		For >1,000, Deduct	-0.17	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.17	
33 14 13 23-0071	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe	4.56	1.13
		For >1,000, Deduct	-0.23	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.26	
33 14 13 23-0072	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Pipe	5.51	1.27
		For >1,000, Deduct	-0.28	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.35	
33 14 13 23-0073	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe	7.32	1.44
		For >1,000, Deduct	-0.37	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.56	
33 14 13 23-0074	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Pipe	8.85	1.60
		For >1,000, Deduct	-0.44	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.73	
33 14 13 23-0075	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Pipe	11.89	1.97
		For >1,000, Deduct	-0.59	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	1.05	
33 14 13 23-0076	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Pipe	18.43	2.50
		For >1,000, Deduct	-0.92	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	1.82	

33 14 13 23-0077 Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows (33 14 13 23-0067)

33 14 13 23-0078	EA	3/4" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	26.82	10.45
33 14 13 23-0079	EA	1" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	33.83	13.07
33 14 13 23-0080	EA	1-1/2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	47.14	18.07
33 14 13 23-0081	EA	2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	53.47	20.25
33 14 13 23-0082	EA	2-1/2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	65.29	22.97
33 14 13 23-0083	EA	3" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	73.59	25.66
33 14 13 23-0084	EA	4" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	98.06	31.51
33 14 13 23-0085	EA	6" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	161.44	40.04

33 14 13 23-0086 Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows (33 14 13 23-0067)

33 14 13 23-0087	EA	3/4" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	26.77	10.45
33 14 13 23-0088	EA	1" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	33.77	13.07

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0089	EA	1-1/2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	47.17	18.07
33 14 13 23-0090	EA	2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	53.25	20.25
33 14 13 23-0091	EA	2-1/2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	64.69	22.97
33 14 13 23-0092	EA	3" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	72.88	25.66
33 14 13 23-0093	EA	4" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	96.63	31.51
33 14 13 23-0094	EA	6" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	156.91	40.04
33 14 13 23-0095 Schedule 40 Polyvinyl Chloride (PVC) Tees Or Wyes (33 14 13 23-0067)				
33 14 13 23-0096	EA	3/4" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC).....	40.09	15.68
33 14 13 23-0097	EA	1" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC).....	50.56	19.71
33 14 13 23-0098	EA	1-1/2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC).....	70.44	27.23
33 14 13 23-0099	EA	2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC).....	79.43	30.27
33 14 13 23-0100	EA	2-1/2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC).....	98.27	34.52
33 14 13 23-0101	EA	3" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC).....	113.28	38.39
33 14 13 23-0102	EA	4" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC).....	141.30	47.32
33 14 13 23-0103	EA	6" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC).....	246.49	60.16
33 14 13 23-0104 Schedule 40 Polyvinyl Chloride (PVC) Couplings (33 14 13 23-0067)				
33 14 13 23-0105	EA	3/4" Coupling, Schedule 40 Polyvinyl Chloride (PVC).....	17.94	6.97
33 14 13 23-0106	EA	1" Coupling, Schedule 40 Polyvinyl Chloride (PVC).....	24.19	9.37
33 14 13 23-0107	EA	1-1/2" Coupling, Schedule 40 Polyvinyl Chloride (PVC).....	35.09	13.61
33 14 13 23-0108	EA	2" Coupling, Schedule 40 Polyvinyl Chloride (PVC).....	39.70	15.14
33 14 13 23-0109	EA	2-1/2" Coupling, Schedule 40 Polyvinyl Chloride (PVC).....	47.04	17.20
33 14 13 23-0110	EA	3" Coupling, Schedule 40 Polyvinyl Chloride (PVC).....	54.12	19.19
33 14 13 23-0111	EA	4" Coupling, Schedule 40 Polyvinyl Chloride (PVC).....	67.19	23.61
33 14 13 23-0112	EA	6" Coupling, Schedule 40 Polyvinyl Chloride (PVC).....	103.06	30.08
33 14 13 23-0113 Crosses, Schedule 40 Polyvinyl Chloride (PVC) (33 14 13 23-0067)				
33 14 13 23-0114	EA	3/4" Cross, Schedule 40 Polyvinyl Chloride (PVC).....	53.66	20.91
33 14 13 23-0115	EA	1" Cross, Schedule 40 Polyvinyl Chloride (PVC).....	67.33	26.24
33 14 13 23-0116	EA	1-1/2" Cross, Schedule 40 Polyvinyl Chloride (PVC).....	93.90	36.26
33 14 13 23-0117	EA	2" Cross, Schedule 40 Polyvinyl Chloride (PVC).....	105.89	40.40
33 14 13 23-0118	EA	2-1/2" Cross, Schedule 40 Polyvinyl Chloride (PVC).....	130.96	45.96
33 14 13 23-0119	EA	3" Cross, Schedule 40 Polyvinyl Chloride (PVC).....	150.94	51.23
33 14 13 23-0120	EA	4" Cross, Schedule 40 Polyvinyl Chloride (PVC).....	188.26	63.03
33 14 13 23-0121	EA	6" Cross, Schedule 40 Polyvinyl Chloride (PVC).....	328.09	80.18
33 14 13 23-0122 Schedule 80 Polyvinyl Chloride (PVC) Pipe And Fittings (33 14 13 23)				
33 14 13 23-0123 Schedule 80 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0122)				
33 14 13 23-0124	LF	1" Schedule 80 Polyvinyl Chloride (PVC) Pipe	3.85	0.93
		For >1,000, Deduct	-0.19	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.23	
33 14 13 23-0125	LF	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe	5.27	1.13
		For >1,000, Deduct	-0.26	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.37	
33 14 13 23-0126	LF	2" Schedule 80 Polyvinyl Chloride (PVC) Pipe	6.71	1.27
		For >1,000, Deduct	-0.34	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.53	
33 14 13 23-0127	LF	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe	8.87	1.44
		For >1,000, Deduct	-0.44	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.79	
33 14 13 23-0128	LF	3" Schedule 80 Polyvinyl Chloride (PVC) Pipe	11.02	1.60
		For >1,000, Deduct	-0.55	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	1.05	
33 14 13 23-0129	LF	4" Schedule 80 Polyvinyl Chloride (PVC) Pipe	15.22	1.97
		For >1,000, Deduct	-0.76	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	1.55	
33 14 13 23-0130	LF	6" Schedule 80 Polyvinyl Chloride (PVC) Pipe	25.84	2.50
		For >1,000, Deduct	-1.29	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	2.94	
33 14 13 23-0131 Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows (33 14 13 23-0122)				
33 14 13 23-0132	EA	1" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC).....	35.67	13.07
33 14 13 23-0133	EA	1-1/2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC).....	47.14	18.07
33 14 13 23-0134	EA	2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC).....	55.31	20.25
33 14 13 23-0135	EA	2-1/2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC).....	69.20	22.97
33 14 13 23-0136	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	77.23	25.66
33 14 13 23-0137	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	98.93	31.51
33 14 13 23-0138	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	157.29	40.04
33 14 13 23-0139 Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows (33 14 13 23-0122)				
33 14 13 23-0140	EA	1" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	43.23	13.07
33 14 13 23-0141	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	54.42	18.07
33 14 13 23-0142	EA	2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	62.32	20.25
33 14 13 23-0143	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	82.34	22.97
33 14 13 23-0144	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	94.32	25.66
33 14 13 23-0145	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	133.30	31.51
33 14 13 23-0146	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	154.99	40.04

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 14 13 23-0147		Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes (33 14 13 23-0122)			
33 14 13 23-0148	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	54.43		19.71
33 14 13 23-0149	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	82.19		27.23
33 14 13 23-0150	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	93.44		30.27
33 14 13 23-0151	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	105.69		34.52
33 14 13 23-0152	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	120.37		38.39
33 14 13 23-0153	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	146.41		47.32
33 14 13 23-0154	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	246.31		60.16
33 14 13 23-0155		Schedule 80 Polyvinyl Chloride (PVC) Couplings (33 14 13 23-0122)			
33 14 13 23-0156	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Coupling	26.96		9.37
33 14 13 23-0157	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Coupling	39.83		13.61
33 14 13 23-0158	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Coupling	44.17		15.14
33 14 13 23-0159	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Coupling	58.51		17.20
33 14 13 23-0160	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Coupling	65.69		19.19
33 14 13 23-0161	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Coupling	81.25		23.61
33 14 13 23-0162	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Coupling	122.69		30.08
33 14 13 23-0163		Crosses, Schedule 80 Polyvinyl Chloride (PVC) (33 14 13 23-0122)			
33 14 13 23-0164	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Cross	72.47		26.24
33 14 13 23-0165	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Cross	109.50		36.26
33 14 13 23-0166	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Cross	124.49		40.40
33 14 13 23-0167	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Cross	140.81		45.96
33 14 13 23-0168	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Cross	160.35		51.23
33 14 13 23-0169	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Cross	195.05		63.03
33 14 13 23-0170	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Cross	327.85		80.18
33 14 13 23-0171		Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pipe And Fittings (33 14 13 23-0171)			
33 14 13 23-0172		Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe (33 14 13 23-0171)			
33 14 13 23-0173	LF	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	53.95		3.35
33 14 13 23-0174	LF	10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	76.67		3.60
33 14 13 23-0175	LF	12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	103.45		4.18
33 14 13 23-0176	LF	14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	140.87		5.36
33 14 13 23-0177	LF	16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	161.26		6.53
33 14 13 23-0178		Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbows (33 14 13 23-0171)			
33 14 13 23-0179	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	684.64		48.64
33 14 13 23-0180	EA	10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	1,437.37		81.56
33 14 13 23-0181	EA	12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	2,493.35		89.01
33 14 13 23-0182	EA	14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	5,889.93		96.31
33 14 13 23-0183	EA	16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	7,971.06		103.60
33 14 13 23-0184		Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbows (33 14 13 23-0171)			
33 14 13 23-0185	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	957.65		48.64
33 14 13 23-0186	EA	10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	1,161.94		81.56
33 14 13 23-0187	EA	12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	1,567.72		89.01
33 14 13 23-0188	EA	14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	3,054.77		96.31
33 14 13 23-0189	EA	16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	4,366.25		103.60
33 14 13 23-0190		Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tees (33 14 13 23-0171)			
33 14 13 23-0191	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee.....	1,325.49		77.83
33 14 13 23-0192	EA	10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee.....	1,954.48		116.31
33 14 13 23-0193	EA	12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee.....	2,580.70		124.04
33 14 13 23-0194	EA	14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee.....	6,260.32		131.34
33 14 13 23-0195	EA	16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee.....	8,820.80		138.62
33 14 13 23-0196		Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tees (33 14 13 23-0171)			
33 14 13 23-0197	EA	8" x 8" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	1,302.40		73.93
33 14 13 23-0198	EA	10" x 10" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	1,422.66		104.96
33 14 13 23-0199	EA	10" x 10" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	1,622.01		110.49
33 14 13 23-0200	EA	12" x 12" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	1,837.47		106.35
33 14 13 23-0201	EA	12" x 12" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	2,039.28		111.94
33 14 13 23-0202	EA	12" x 12" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	2,325.15		117.83
33 14 13 23-0203	EA	14" x 14" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	4,504.79		106.98
33 14 13 23-0204	EA	14" x 14" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	4,853.05		112.61
33 14 13 23-0205	EA	14" x 14" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	5,296.70		118.53
33 14 13 23-0206	EA	14" x 14" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	5,809.19		124.77
33 14 13 23-0207	EA	16" x 16" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	5,468.53		107.27
33 14 13 23-0208	EA	16" x 16" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	6,095.52		112.91
33 14 13 23-0209	EA	16" x 16" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	6,589.52		118.85
33 14 13 23-0210	EA	16" x 16" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	7,350.75		125.11
33 14 13 23-0211	EA	16" x 16" x 14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	8,148.50		131.69

			Utilities	33	CS
			Water Utilities	33 10	
			Water Utility Transmission and Distribution	33 14	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 14 13 23-0212 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Wyes (33 14 13 23-0171)					
33 14 13 23-0213	EA	8"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Wye	1,338.57	77.83
33 14 13 23-0214	EA	10"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Wye	2,256.04	116.31
33 14 13 23-0215	EA	12"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Wye	3,047.45	124.04
33 14 13 23-0216	EA	14"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Wye	9,845.36	131.34
33 14 13 23-0217	EA	16"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Wye	12,283.99	138.62
33 14 13 23-0218 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wyes (33 14 13 23-0171)					
33 14 13 23-0219	EA	8" x 8"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	1,166.39	73.93
33 14 13 23-0220	EA	10" x 10"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	1,624.24	104.96
33 14 13 23-0221	EA	10" x 10" x 8"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	1,879.89	110.49
33 14 13 23-0222	EA	12" x 12"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	2,162.12	106.35
33 14 13 23-0223	EA	12" x 12" x 8"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	2,281.37	111.94
33 14 13 23-0224	EA	12" x 12" x 10"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	2,758.82	117.83
33 14 13 23-0225	EA	14" x 14"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	4,748.85	106.98
33 14 13 23-0226	EA	14" x 14" x 8"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	5,129.24	112.61
33 14 13 23-0227	EA	14" x 14" x 12"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	6,217.56	124.77
33 14 13 23-0228	EA	16" x 16"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	5,673.92	107.27
33 14 13 23-0229	EA	16" x 16" x 8"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	6,559.18	112.91
33 14 13 23-0230	EA	16" x 16" x 10"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	7,351.49	118.85
33 14 13 23-0231	EA	16" x 16" x 12"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	7,963.53	125.11
33 14 13 23-0232	EA	16" x 16" x 14"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	9,953.67	131.69
33 14 13 23-0233 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings (33 14 13 23-0171)					
33 14 13 23-0234	EA	8"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling	622.14	48.64
33 14 13 23-0235	EA	10"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling	845.71	81.56
33 14 13 23-0236	EA	12"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling	1,168.35	89.01
33 14 13 23-0237	EA	14"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling	2,310.75	96.31
33 14 13 23-0238	EA	16"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling	3,437.61	103.60
33 14 13 23-0239 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Couplings (33 14 13 23-0171)					
33 14 13 23-0240	EA	8" x 6"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	843.90	46.20
33 14 13 23-0241	EA	10" x 6"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	621.68	43.89
33 14 13 23-0242	EA	10" x 8"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	864.49	77.47
33 14 13 23-0243	EA	12" x 4"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	1,663.85	73.60
33 14 13 23-0244	EA	12" x 6"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	1,551.11	69.92
33 14 13 23-0245	EA	12" x 8"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	1,219.29	66.43
33 14 13 23-0246	EA	12" x 10"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	773.02	84.55
33 14 13 23-0247	EA	14" x 6"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	2,229.82	80.33
33 14 13 23-0248	EA	14" x 8"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	1,880.00	76.31
33 14 13 23-0249	EA	14" x 10"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	1,627.05	72.49
33 14 13 23-0250	EA	14" x 12"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	1,493.50	91.48
33 14 13 23-0251	EA	16" x 6"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	2,941.20	86.91
33 14 13 23-0252	EA	16" x 8"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	3,319.86	82.57
33 14 13 23-0253	EA	16" x 10"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	3,178.33	78.44
33 14 13 23-0254	EA	16" x 12"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	3,012.72	74.52
33 14 13 23-0255	EA	16" x 14"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	2,757.22	98.43
33 14 13 23-0256 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Couplings (33 14 13 23-0171)					
33 14 13 23-0257	EA	8" x 6"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	752.08	82.57
33 14 13 23-0258	EA	10" x 6"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	1,315.85	78.44
33 14 13 23-0259	EA	10" x 8"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	1,000.58	78.44
33 14 13 23-0260	EA	12" x 4"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	2,538.84	74.52
33 14 13 23-0261	EA	12" x 6"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	1,714.23	70.79
33 14 13 23-0262	EA	12" x 8"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	1,634.25	67.25
33 14 13 23-0263	EA	12" x 10"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	1,498.34	74.52
33 14 13 23-0264	EA	14" x 6"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	2,721.89	70.79
33 14 13 23-0265	EA	14" x 8"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	2,663.35	67.25
33 14 13 23-0266	EA	14" x 10"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	1,938.40	63.89
33 14 13 23-0267	EA	14" x 12"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	1,800.84	70.79
33 14 13 23-0268	EA	16" x 6"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	4,816.52	67.25
33 14 13 23-0269	EA	16" x 8"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	4,654.11	63.89
33 14 13 23-0270	EA	16" x 10"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	4,563.62	60.70
33 14 13 23-0271	EA	16" x 12"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	4,382.60	57.66
33 14 13 23-0272	EA	16" x 14"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	4,133.22	93.51
33 14 13 23-0273 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Flanges (33 14 13 23-0171)					
33 14 13 23-0274	EA	8"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Flange	823.77	48.64
33 14 13 23-0275	EA	10"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Flange	1,894.25	81.56
33 14 13 23-0276	EA	12"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Flange	2,758.96	89.01
33 14 13 23-0277	EA	14"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Flange	3,098.91	96.31
33 14 13 23-0278	EA	16"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Flange	3,831.71	103.60
33 14 13 23-0279	EA	8"	Ethylene Propylene Diene Monomer (EPDM) Flange Gasket	25.59	
33 14 13 23-0280	EA	10"	Ethylene Propylene Diene Monomer (EPDM) Flange Gasket	33.34	
33 14 13 23-0281	EA	12"	Ethylene Propylene Diene Monomer (EPDM) Flange Gasket	45.89	

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 14 13 23-0282	EA	14" Ethylene Propylene Diene Monomer (EPDM) Flange Gasket	98.16	
33 14 13 23-0283	EA	16" Ethylene Propylene Diene Monomer (EPDM) Flange Gasket	174.15	
33 14 13 23-0284	EA	Zinc Coated Flange Hardware Kit	163.53	

33 14 13 23-0285 AWWA C900/C905 Polyvinyl Chloride (PVC) Pipe (33 14 13 23)

Note: Includes hub on one end of pipe. C900 is available in blue, white, purple or green.

33 14 13 23-0286 AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0285)

33 14 13 23-0287	LF	4" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	10.96	3.85
33 14 13 23-0288	LF	6" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	16.00	4.66
33 14 13 23-0289	LF	8" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	22.00	5.24
33 14 13 23-0290	LF	10" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	29.00	5.83
33 14 13 23-0291	LF	12" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	37.63	6.53

33 14 13 23-0292 AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0285)

33 14 13 23-0293	LF	4" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	12.14	3.85
33 14 13 23-0294	LF	6" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	18.44	4.66
33 14 13 23-0295	LF	8" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	26.09	5.24
33 14 13 23-0296	LF	10" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	35.38	5.83
33 14 13 23-0297	LF	12" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	46.53	6.53

33 14 13 23-0298 AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0285)

33 14 13 23-0299	LF	4" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe	13.29	3.85
33 14 13 23-0300	LF	6" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe	20.85	4.66
33 14 13 23-0301	LF	8" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe	30.19	5.24
33 14 13 23-0302	LF	10" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe	41.61	5.83
33 14 13 23-0303	LF	12" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe	55.42	6.53

33 14 13 23-0304 AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0285)

33 14 13 23-0305	LF	18" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	59.09	9.79
33 14 13 23-0306	LF	20" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	72.07	11.65
33 14 13 23-0307	LF	24" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	96.82	13.99
33 14 13 23-0308	LF	30" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	140.25	16.32
33 14 13 23-0309	LF	36" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	193.94	18.65
33 14 13 23-0310	LF	42" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	246.09	19.81
33 14 13 23-0311	LF	48" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	312.03	21.33

33 14 13 23-0312 AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0285)

33 14 13 23-0313	LF	14" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	43.62	7.34
33 14 13 23-0314	LF	16" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	54.80	8.16
33 14 13 23-0315	LF	18" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	67.99	9.79
33 14 13 23-0316	LF	20" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	83.63	11.65
33 14 13 23-0317	LF	24" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	114.65	13.99
33 14 13 23-0318	LF	30" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	165.83	16.32
33 14 13 23-0319	LF	36" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	228.20	18.65
33 14 13 23-0320	LF	42" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	303.07	19.81
33 14 13 23-0321	LF	48" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	385.95	21.33

33 14 13 23-0322 AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0285)

33 14 13 23-0323	LF	14" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	50.47	7.34
33 14 13 23-0324	LF	16" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	64.32	8.16
33 14 13 23-0325	LF	18" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	79.81	9.79
33 14 13 23-0326	LF	20" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	98.96	11.65
33 14 13 23-0327	LF	24" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	136.67	13.99
33 14 13 23-0328	LF	30" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	198.90	16.32
33 14 13 23-0329	LF	36" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	276.48	18.65
33 14 13 23-0330	LF	42" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	360.26	19.81
33 14 13 23-0331	LF	48" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	460.58	21.33

33 14 13 23-0332 AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0285)

33 14 13 23-0333	LF	14" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	62.19	7.34
33 14 13 23-0334	LF	16" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	78.23	8.16
33 14 13 23-0335	LF	18" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	97.72	9.79
33 14 13 23-0336	LF	20" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	120.60	11.65
33 14 13 23-0337	LF	24" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	167.86	13.99
33 14 13 23-0338	LF	30" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	247.86	16.32
33 14 13 23-0339	LF	36" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	351.75	18.65
33 14 13 23-0340	LF	42" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	470.65	19.81
33 14 13 23-0341	LF	48" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	608.72	21.33

33 14 13 23-0342 AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0285)

33 14 13 23-0343	LF	14" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	70.99	7.34
33 14 13 23-0344	LF	16" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	89.69	8.16
33 14 13 23-0345	LF	18" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	112.17	9.79
33 14 13 23-0346	LF	20" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	138.59	11.65
33 14 13 23-0347	LF	24" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	193.75	13.99

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0348	LF	30" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	287.68	16.32
33 14 13 23-0349	LF	36" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	409.92	18.65
33 14 13 23-0350	LF	42" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	550.38	19.81
33 14 13 23-0351 AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0285)				
33 14 13 23-0352	LF	14" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	79.57	7.34
33 14 13 23-0353	LF	16" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	100.83	8.16
33 14 13 23-0354	LF	18" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	126.21	9.79
33 14 13 23-0355	LF	20" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	156.09	11.65
33 14 13 23-0356	LF	24" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	218.92	13.99
33 14 13 23-0357	LF	30" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	326.42	16.32
33 14 13 23-0358	LF	36" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	466.52	18.65
33 14 13 23-0359 AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) Fittings (33 14 13 23)				
Note: Includes rubber gaskets.				
33 14 13 23-0360 90 Degree Elbows, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) (33 14 13 23-0359)				
33 14 13 23-0361	EA	4" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	214.53	13.07
		For DR 25, Deduct	-11.30	
33 14 13 23-0362	EA	6" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	440.63	14.70
		For DR 25, Deduct	-24.67	
33 14 13 23-0363	EA	8" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	662.54	16.33
		For DR 25, Deduct	-37.79	
33 14 13 23-0364	EA	10" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,012.31	26.27
		For DR 25, Deduct	-57.59	
33 14 13 23-0365	EA	12" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,316.52	43.78
		For DR 25, Deduct	-73.74	
33 14 13 23-0366	EA	14" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,978.12	54.74
		For DR 25, Deduct	-112.12	
33 14 13 23-0367	EA	16" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	2,360.61	65.68
		For DR 25, Deduct	-133.75	
33 14 13 23-0368	EA	18" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,053.06	87.58
		For DR 25, Deduct	-232.67	
33 14 13 23-0369	EA	20" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,989.30	109.47
		For DR 25, Deduct	-286.22	
33 14 13 23-0370	EA	24" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	8,285.37	147.78
		For DR 25, Deduct	-479.39	
33 14 13 23-0371 45 Degree Elbows, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) (33 14 13 23-0359)				
33 14 13 23-0372	EA	4" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	189.92	13.07
		For DR 25, Deduct	-9.83	
33 14 13 23-0373	EA	6" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	329.07	14.70
		For DR 25, Deduct	-17.98	
33 14 13 23-0374	EA	8" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	417.27	16.33
		For DR 25, Deduct	-23.08	
33 14 13 23-0375	EA	10" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	590.52	26.27
		For DR 25, Deduct	-32.28	
33 14 13 23-0376	EA	12" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	788.71	43.78
		For DR 25, Deduct	-42.07	
33 14 13 23-0377	EA	14" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,519.00	54.74
		For DR 25, Deduct	-84.57	
33 14 13 23-0378	EA	16" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,925.66	65.68
		For DR 25, Deduct	-107.66	
33 14 13 23-0379	EA	18" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,325.86	87.58
		For DR 25, Deduct	-189.04	
33 14 13 23-0380	EA	20" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,130.81	109.47
		For DR 25, Deduct	-234.71	
33 14 13 23-0381	EA	24" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,830.02	147.78
		For DR 25, Deduct	-332.07	
33 14 13 23-0382 22-1/2 Degree Elbows, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) (33 14 13 23-0359)				
33 14 13 23-0383	EA	4" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	186.93	13.07
		For DR 25, Deduct	-9.65	
33 14 13 23-0384	EA	6" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	329.07	14.70
		For DR 25, Deduct	-17.98	
33 14 13 23-0385	EA	8" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	417.28	16.33
		For DR 25, Deduct	-23.08	
33 14 13 23-0386	EA	10" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	590.53	26.27
		For DR 25, Deduct	-32.28	
33 14 13 23-0387	EA	12" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	788.72	43.78
		For DR 25, Deduct	-42.07	
33 14 13 23-0388	EA	14" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,514.60	52.54
		For DR 25, Deduct	-84.57	
33 14 13 23-0389	EA	16" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,925.63	65.68
		For DR 25, Deduct	-107.66	
33 14 13 23-0390	EA	18" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,325.86	87.58
		For DR 25, Deduct	-189.04	
33 14 13 23-0391	EA	20" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,130.81	109.47
		For DR 25, Deduct	-234.71	

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

 33 14 13 23-0392 EA 24" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....5,830.02 147.78
 For DR 25, Deduct -332.07

33 14 13 23-0393 11-1/4 Degree Elbows, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)

 (33 14 13 23-0359)
 33 14 13 23-0394 EA 4" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....164.91 13.07
 For DR 25, Deduct -8.33
 33 14 13 23-0395 EA 6" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....329.07 14.70
 For DR 25, Deduct -17.98
 33 14 13 23-0396 EA 8" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....417.28 16.33
 For DR 25, Deduct -23.08
 33 14 13 23-0397 EA 10" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....590.53 26.27
 For DR 25, Deduct -32.28
 33 14 13 23-0398 EA 12" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....788.72 43.78
 For DR 25, Deduct -42.07
 33 14 13 23-0399 EA 14" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....1,514.60 52.54
 For DR 25, Deduct -84.57
 33 14 13 23-0400 EA 16" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....1,925.63 65.68
 For DR 25, Deduct -107.66
 33 14 13 23-0401 EA 18" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....3,325.86 87.58
 For DR 25, Deduct -189.04
 33 14 13 23-0402 EA 20" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....4,130.81 109.47
 For DR 25, Deduct -234.71
 33 14 13 23-0403 EA 24" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....5,830.02 147.78
 For DR 25, Deduct -332.07

33 14 13 23-0404 Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)

 (33 14 13 23-0359)
 33 14 13 23-0405 EA 4" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....255.06 14.70
 For DR 25, Deduct -13.54
 33 14 13 23-0406 EA 6" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....493.98 16.33
 For DR 25, Deduct -27.68
 33 14 13 23-0407 EA 8" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....689.83 18.51
 For DR 25, Deduct -39.17
 33 14 13 23-0408 EA 10" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....1,423.79 32.84
 For DR 25, Deduct -81.49
 33 14 13 23-0409 EA 12" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....1,735.53 65.68
 For DR 25, Deduct -96.25
 33 14 13 23-0410 EA 14" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....3,137.68 82.10
 For DR 25, Deduct -178.41
 33 14 13 23-0411 EA 16" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....3,886.60 98.52
 For DR 25, Deduct -221.37
 33 14 13 23-0412 EA 18" Tee, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....4,903.36 131.36
 For DR 25, Deduct -278.44
 33 14 13 23-0413 EA 20" Tee, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....5,887.75 164.21
 For DR 25, Deduct -333.56
 33 14 13 23-0414 EA 24" Tee, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....8,087.91 111.65
 For DR 25, Deduct -471.88

33 14 13 23-0415 Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)

 (33 14 13 23-0359)
 33 14 13 23-0416 EA 6" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....491.31 21.23
 For DR 25, Deduct -26.93
 33 14 13 23-0417 EA 8" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....668.96 22.87
 For DR 25, Deduct -37.39
 33 14 13 23-0418 EA 8" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....685.69 23.68
 For DR 25, Deduct -38.30
 33 14 13 23-0419 EA 10" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....890.41 32.84
 For DR 25, Deduct -49.48
 33 14 13 23-0420 EA 10" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....1,206.88 33.66
 For DR 25, Deduct -68.37
 33 14 13 23-0421 EA 10" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....1,291.23 34.48
 For DR 25, Deduct -73.34
 33 14 13 23-0422 EA 12" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....1,367.70 50.35
 For DR 25, Deduct -76.02
 33 14 13 23-0423 EA 12" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....1,570.58 51.18
 For DR 25, Deduct -88.09
 33 14 13 23-0424 EA 12" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....1,666.42 52.00
 For DR 25, Deduct -93.75
 33 14 13 23-0425 EA 12" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....1,697.47 56.93
 For DR 25, Deduct -95.02
 33 14 13 23-0426 EA 14" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....2,580.35 59.11
 For DR 25, Deduct -147.73
 33 14 13 23-0427 EA 14" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....2,684.28 59.94
 For DR 25, Deduct -153.86
 33 14 13 23-0428 EA 14" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....2,788.47 60.75
 For DR 25, Deduct -160.02
 33 14 13 23-0429 EA 14" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....2,900.26 65.68
 For DR 25, Deduct -166.13
 33 14 13 23-0430 EA 14" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....3,020.13 74.44
 For DR 25, Deduct -172.28
 33 14 13 23-0431 EA 16" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....3,220.32 72.25
 For DR 25, Deduct -184.55
 33 14 13 23-0432 EA 16" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....3,322.57 72.25
 For DR 25, Deduct -190.68

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0433	EA	16" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,426.52	73.07
		<i>For DR 25, Deduct</i>	-196.82	
33 14 13 23-0434	EA	16" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,530.46	73.89
		<i>For DR 25, Deduct</i>	-202.96	
33 14 13 23-0435	EA	16" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,680.08	87.58
		<i>For DR 25, Deduct</i>	-209.10	
33 14 13 23-0436	EA	16" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,771.13	91.95
		<i>For DR 25, Deduct</i>	-215.23	
33 14 13 23-0437	EA	18" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,979.36	94.14
		<i>For DR 25, Deduct</i>	-227.46	
33 14 13 23-0438	EA	18" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,084.01	94.97
		<i>For DR 25, Deduct</i>	-233.64	
33 14 13 23-0439	EA	18" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,187.94	95.78
		<i>For DR 25, Deduct</i>	-239.78	
33 14 13 23-0440	EA	18" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,300.07	100.71
		<i>For DR 25, Deduct</i>	-245.92	
33 14 13 23-0441	EA	18" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,419.82	109.47
		<i>For DR 25, Deduct</i>	-252.05	
33 14 13 23-0442	EA	18" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,530.17	113.85
		<i>For DR 25, Deduct</i>	-258.15	
33 14 13 23-0443	EA	18" x 16" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,670.31	120.42
		<i>For DR 25, Deduct</i>	-265.77	
33 14 13 23-0444	EA	20" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,047.36	116.04
		<i>For DR 25, Deduct</i>	-288.92	
33 14 13 23-0445	EA	20" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,223.66	116.85
		<i>For DR 25, Deduct</i>	-299.40	
33 14 13 23-0446	EA	20" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,293.01	117.68
		<i>For DR 25, Deduct</i>	-303.46	
33 14 13 23-0447	EA	20" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,370.66	122.61
		<i>For DR 25, Deduct</i>	-307.53	
33 14 13 23-0448	EA	20" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,455.92	131.36
		<i>For DR 25, Deduct</i>	-311.59	
33 14 13 23-0449	EA	20" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,574.49	135.74
		<i>For DR 25, Deduct</i>	-318.18	
33 14 13 23-0450	EA	20" x 16" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,697.46	142.31
		<i>For DR 25, Deduct</i>	-324.77	
33 14 13 23-0451	EA	20" x 18" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,792.59	153.25
		<i>For DR 25, Deduct</i>	-329.16	
33 14 13 23-0452	EA	24" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,941.27	154.35
		<i>For DR 25, Deduct</i>	-337.95	
33 14 13 23-0453	EA	24" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	6,016.20	155.18
		<i>For DR 25, Deduct</i>	-342.35	
33 14 13 23-0454	EA	24" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	6,091.11	155.99
		<i>For DR 25, Deduct</i>	-346.75	
33 14 13 23-0455	EA	24" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	6,398.87	160.92
		<i>For DR 25, Deduct</i>	-364.62	
33 14 13 23-0456	EA	24" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	6,714.28	169.68
		<i>For DR 25, Deduct</i>	-382.50	
33 14 13 23-0457	EA	24" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	7,020.97	174.06
		<i>For DR 25, Deduct</i>	-400.37	
33 14 13 23-0458	EA	24" x 16" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	7,332.05	180.62
		<i>For DR 25, Deduct</i>	-418.25	
33 14 13 23-0459	EA	24" x 18" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	7,651.87	191.57
		<i>For DR 25, Deduct</i>	-436.12	
33 14 13 23-0460	EA	24" x 20" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	7,971.68	202.52
		<i>For DR 25, Deduct</i>	-454.00	
33 14 13 23-0461		Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) (33 14 13 23-0359)		
33 14 13 23-0462	EA	4" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	353.15	26.13
		<i>For DR 25, Deduct</i>	-18.05	
33 14 13 23-0463	EA	6" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	636.24	29.40
		<i>For DR 25, Deduct</i>	-34.65	
33 14 13 23-0464	EA	8" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	881.75	32.67
		<i>For DR 25, Deduct</i>	-48.98	
33 14 13 23-0465	EA	10" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,802.01	52.54
		<i>For DR 25, Deduct</i>	-101.82	
33 14 13 23-0466	EA	12" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	2,136.98	65.68
		<i>For DR 25, Deduct</i>	-120.34	
33 14 13 23-0467	EA	14" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,892.21	87.58
		<i>For DR 25, Deduct</i>	-223.02	
33 14 13 23-0468	EA	16" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,830.15	109.47
		<i>For DR 25, Deduct</i>	-276.68	
33 14 13 23-0469	EA	18" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	6,151.96	175.15
		<i>For DR 25, Deduct</i>	-348.10	
33 14 13 23-0470	EA	20" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	7,387.16	218.93
		<i>For DR 25, Deduct</i>	-416.96	
33 14 13 23-0471	EA	24" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	10,421.28	295.57
		<i>For DR 25, Deduct</i>	-589.81	
33 14 13 23-0472		Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) (33 14 13 23-0359)		
33 14 13 23-0473	EA	6" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	617.02	27.77
		<i>For DR 25, Deduct</i>	-33.69	
33 14 13 23-0474	EA	8" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	838.80	29.40
		<i>For DR 25, Deduct</i>	-46.80	

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 14 13 23-0475	EA	8" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	860.14	31.03
		<i>For DR 25, Deduct</i>	-47.88	
33 14 13 23-0476	EA	10" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,291.81	39.41
		<i>For DR 25, Deduct</i>	-72.78	
33 14 13 23-0477	EA	10" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,506.73	41.05
		<i>For DR 25, Deduct</i>	-85.48	
33 14 13 23-0478	EA	10" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,655.41	42.70
		<i>For DR 25, Deduct</i>	-94.20	
33 14 13 23-0479	EA	12" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,698.10	56.93
		<i>For DR 25, Deduct</i>	-95.06	
33 14 13 23-0480	EA	12" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,952.35	58.57
		<i>For DR 25, Deduct</i>	-110.11	
33 14 13 23-0481	EA	12" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	2,073.40	60.21
		<i>For DR 25, Deduct</i>	-117.18	
33 14 13 23-0482	EA	12" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	2,119.48	70.06
		<i>For DR 25, Deduct</i>	-118.76	
33 14 13 23-0483	EA	14" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,209.00	65.68
		<i>For DR 25, Deduct</i>	-184.66	
33 14 13 23-0484	EA	14" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,339.77	67.32
		<i>For DR 25, Deduct</i>	-192.31	
33 14 13 23-0485	EA	14" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,471.93	68.97
		<i>For DR 25, Deduct</i>	-200.04	
33 14 13 23-0486	EA	14" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,619.98	78.82
		<i>For DR 25, Deduct</i>	-207.74	
33 14 13 23-0487	EA	14" x 12" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,782.38	96.34
		<i>For DR 25, Deduct</i>	-215.38	
33 14 13 23-0488	EA	16" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,001.81	78.82
		<i>For DR 25, Deduct</i>	-230.65	
33 14 13 23-0489	EA	16" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,134.29	80.46
		<i>For DR 25, Deduct</i>	-238.40	
33 14 13 23-0490	EA	16" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,265.36	82.10
		<i>For DR 25, Deduct</i>	-246.07	
33 14 13 23-0491	EA	16" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,413.29	91.95
		<i>For DR 25, Deduct</i>	-253.76	
33 14 13 23-0492	EA	16" x 12" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,484.62	109.47
		<i>For DR 25, Deduct</i>	-255.94	
33 14 13 23-0493	EA	16" x 14" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,720.87	118.22
		<i>For DR 25, Deduct</i>	-269.06	
33 14 13 23-0494	EA	18" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,940.91	100.71
		<i>For DR 25, Deduct</i>	-284.37	
33 14 13 23-0495	EA	18" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,073.07	102.35
		<i>For DR 25, Deduct</i>	-292.10	
33 14 13 23-0496	EA	18" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,204.34	104.00
		<i>For DR 25, Deduct</i>	-299.78	
33 14 13 23-0497	EA	18" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,350.35	113.85
		<i>For DR 25, Deduct</i>	-307.36	
33 14 13 23-0498	EA	18" x 12" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,514.29	131.36
		<i>For DR 25, Deduct</i>	-315.09	
33 14 13 23-0499	EA	18" x 14" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,659.18	140.12
		<i>For DR 25, Deduct</i>	-322.74	
33 14 13 23-0500	EA	18" x 16" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,843.97	153.25
		<i>For DR 25, Deduct</i>	-332.25	
33 14 13 23-0501	EA	20" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	6,264.93	122.61
		<i>For DR 25, Deduct</i>	-361.18	
33 14 13 23-0502	EA	20" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	6,486.16	124.25
		<i>For DR 25, Deduct</i>	-374.26	
33 14 13 23-0503	EA	20" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	6,574.71	125.89
		<i>For DR 25, Deduct</i>	-379.38	
33 14 13 23-0504	EA	20" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	6,678.79	135.74
		<i>For DR 25, Deduct</i>	-384.44	
33 14 13 23-0505	EA	20" x 12" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	6,798.18	153.25
		<i>For DR 25, Deduct</i>	-389.50	
33 14 13 23-0506	EA	20" x 14" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	6,952.02	162.02
		<i>For DR 25, Deduct</i>	-397.68	
33 14 13 23-0507	EA	20" x 16" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	7,117.34	175.15
		<i>For DR 25, Deduct</i>	-406.02	
33 14 13 23-0508	EA	20" x 18" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	7,252.43	197.05
		<i>For DR 25, Deduct</i>	-411.50	
33 14 13 23-0509	EA	24" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	7,321.89	160.92
		<i>For DR 25, Deduct</i>	-420.00	
33 14 13 23-0510	EA	24" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	7,457.89	162.56
		<i>For DR 25, Deduct</i>	-427.97	
33 14 13 23-0511	EA	24" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	7,553.12	164.21
		<i>For DR 25, Deduct</i>	-433.48	
33 14 13 23-0512	EA	24" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	7,944.80	174.06
		<i>For DR 25, Deduct</i>	-455.80	
33 14 13 23-0513	EA	24" x 12" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	8,351.93	191.57
		<i>For DR 25, Deduct</i>	-478.13	
33 14 13 23-0514	EA	24" x 14" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	8,741.47	200.33
		<i>For DR 25, Deduct</i>	-500.45	
33 14 13 23-0515	EA	24" x 16" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	9,141.38	213.46
		<i>For DR 25, Deduct</i>	-522.87	
33 14 13 23-0516	EA	24" x 18" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	9,556.41	235.36
		<i>For DR 25, Deduct</i>	-545.14	
33 14 13 23-0517	EA	24" x 20" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	9,973.02	257.26
		<i>For DR 25, Deduct</i>	-567.51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 14 13 23-0518			Couplings, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) (33 14 13 23-0359)		
33 14 13 23-0519	EA		4" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	127.59	13.07
			<i>For DR 25, Deduct</i>	-6.09	
33 14 13 23-0520	EA		6" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	238.82	14.70
			<i>For DR 25, Deduct</i>	-12.57	
33 14 13 23-0521	EA		8" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	287.60	16.33
			<i>For DR 25, Deduct</i>	-15.30	
33 14 13 23-0522	EA		10" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	409.15	26.27
			<i>For DR 25, Deduct</i>	-21.40	
33 14 13 23-0523	EA		12" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	651.64	32.84
			<i>For DR 25, Deduct</i>	-35.16	
33 14 13 23-0524	EA		14" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,131.71	43.78
			<i>For DR 25, Deduct</i>	-62.65	
33 14 13 23-0525	EA		16" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,340.39	54.74
			<i>For DR 25, Deduct</i>	-73.85	
33 14 13 23-0526	EA		18" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,212.70	87.58
			<i>For DR 25, Deduct</i>	-182.25	
33 14 13 23-0527	EA		20" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,600.66	109.47
			<i>For DR 25, Deduct</i>	-202.90	
33 14 13 23-0528	EA		24" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,070.39	147.78
			<i>For DR 25, Deduct</i>	-286.49	

33 14 13 23-0529			Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) (33 14 13 23-0359)		
33 14 13 23-0530	EA		4" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	158.48	13.07
			<i>For DR 25, Deduct</i>	-7.94	
33 14 13 23-0531	EA		6" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	215.63	14.70
			<i>For DR 25, Deduct</i>	-11.17	
33 14 13 23-0532	EA		8" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	314.01	16.33
			<i>For DR 25, Deduct</i>	-16.88	
33 14 13 23-0533	EA		10" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	429.74	26.27
			<i>For DR 25, Deduct</i>	-22.63	
33 14 13 23-0534	EA		12" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	688.54	43.78
			<i>For DR 25, Deduct</i>	-36.06	
33 14 13 23-0535	EA		14" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,833.22	52.54
			<i>For DR 25, Deduct</i>	-103.69	
33 14 13 23-0536	EA		16" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	2,482.02	65.68
			<i>For DR 25, Deduct</i>	-141.04	
33 14 13 23-0537	EA		18" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,057.63	87.58
			<i>For DR 25, Deduct</i>	-172.95	
33 14 13 23-0538	EA		20" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,652.60	109.47
			<i>For DR 25, Deduct</i>	-206.02	
33 14 13 23-0539	EA		24" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,962.03	147.78
			<i>For DR 25, Deduct</i>	-279.99	

33 14 13 23-0540			AWWA C906, High-Density Polyethylene (HDPE) Pressure Piping (33 14 13 23)		
			Note: ASTM D3350 pipe, ASTM D2657 heat fusion.		

33 14 13 23-0541			High-Density Polyethylene (HDPE) Pressure Pipe (33 14 13 23-0540)		
33 14 13 23-0542	LF		3" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe.....	8.46	3.03
			<i>For SDR 19, Add</i>	0.21	
			<i>For SDR 17, Add</i>	0.52	
			<i>For SDR 15.5, Add</i>	0.76	
			<i>For SDR 13.5, Add</i>	1.19	
			<i>For SDR 11, Add</i>	1.91	
33 14 13 23-0543	LF		4" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe.....	9.25	3.85
			<i>For SDR 26, Deduct</i>	-0.29	
			<i>For SDR 19, Add</i>	0.14	
			<i>For SDR 17, Add</i>	0.35	
			<i>For SDR 15.5, Add</i>	0.51	
			<i>For SDR 13.5, Add</i>	0.79	
			<i>For SDR 11, Add</i>	1.28	
33 14 13 23-0544	LF		6" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe.....	12.71	4.66
			<i>For SDR 26, Deduct</i>	-0.62	
			<i>For SDR 19, Add</i>	0.30	
			<i>For SDR 17, Add</i>	0.75	
			<i>For SDR 15.5, Add</i>	1.10	
			<i>For SDR 13.5, Add</i>	1.72	
			<i>For SDR 11, Add</i>	2.76	
33 14 13 23-0545	LF		8" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe.....	16.22	5.24
			<i>For SDR 26, Deduct</i>	-1.05	
			<i>For SDR 19, Add</i>	0.52	
			<i>For SDR 17, Add</i>	1.27	
			<i>For SDR 15.5, Add</i>	1.86	
			<i>For SDR 13.5, Add</i>	2.91	
			<i>For SDR 11, Add</i>	4.68	
33 14 13 23-0546	LF		10" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe.....	20.56	5.83
			<i>For SDR 26, Deduct</i>	-1.63	
			<i>For SDR 19, Add</i>	0.80	
			<i>For SDR 17, Add</i>	1.98	
			<i>For SDR 15.5, Add</i>	2.90	
			<i>For SDR 13.5, Add</i>	4.53	
			<i>For SDR 11, Add</i>	7.28	

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
33 14 13 23-0547	LF	12" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	25.79	6.53	
		For SDR 26, Deduct	-2.36		
		For SDR 19, Add	1.16		
		For SDR 17, Add	2.86		
		For SDR 15.5, Add	4.18		
		For SDR 13.5, Add	6.53		
		For SDR 11, Add	10.50		
33 14 13 23-0548	LF	14" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	29.68	7.34	
		For SDR 26, Deduct	-2.77		
		For SDR 19, Add	1.36		
		For SDR 17, Add	3.36		
		For SDR 15.5, Add	4.92		
		For SDR 13.5, Add	7.67		
		For SDR 11, Add	12.35		
33 14 13 23-0549	LF	16" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	36.05	8.16	
		For SDR 26, Deduct	-3.62		
		For SDR 19, Add	1.78		
		For SDR 17, Add	4.38		
		For SDR 15.5, Add	6.42		
		For SDR 13.5, Add	10.02		
		For SDR 11, Add	16.13		
33 14 13 23-0550	LF	18" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	44.58	9.79	
		For SDR 26, Deduct	-4.57		
		For SDR 19, Add	2.24		
		For SDR 17, Add	5.54		
		For SDR 15.5, Add	8.12		
		For SDR 13.5, Add	12.67		
		For SDR 11, Add	20.39		
33 14 13 23-0551	LF	20" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	98.77	11.65	
		For SDR 26, Deduct	-13.83		
		For SDR 19, Add	6.79		
		For SDR 17, Add	16.77		
		For SDR 15.5, Add	24.55		
		For SDR 13.5, Add	38.33		
		For SDR 11, Add	61.69		
33 14 13 23-0552	LF	24" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	72.35	13.99	
		For SDR 26, Deduct	-8.13		
		For SDR 19, Add	3.99		
		For SDR 17, Add	9.86		
		For SDR 15.5, Add	14.44		
		For SDR 13.5, Add	22.54		
		For SDR 11, Add	36.28		
33 14 13 23-0553 90 Degree Elbows, High-Density Polyethylene (HDPE) Pressure Piping ^(33 14 13 23-0540)					
33 14 13 23-0554	EA	3" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping.....	62.11	16.33	
		For SDR 26, Deduct	-2.40		
		For SDR 19, Add	1.18		
		For SDR 17, Add	2.91		
		For SDR 15.5, Add	4.27		
		For SDR 13.5, Add	6.66		
		For SDR 11, Add	10.72		
33 14 13 23-0555	EA	4" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping.....	70.07	18.16	
		For SDR 26, Deduct	-2.86		
		For SDR 19, Add	1.41		
		For SDR 17, Add	3.47		
		For SDR 15.5, Add	5.08		
		For SDR 13.5, Add	7.93		
		For SDR 11, Add	12.77		
33 14 13 23-0556	EA	6" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping.....	103.73	20.75	
		For SDR 26, Deduct	-7.61		
		For SDR 19, Add	3.74		
		For SDR 17, Add	9.23		
		For SDR 15.5, Add	13.52		
		For SDR 13.5, Add	21.10		
		For SDR 11, Add	33.96		
33 14 13 23-0557	EA	8" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping.....	159.45	24.22	
		For SDR 26, Deduct	-15.92		
		For SDR 19, Add	7.81		
		For SDR 17, Add	19.29		
		For SDR 15.5, Add	28.25		
		For SDR 13.5, Add	44.10		
		For SDR 11, Add	70.98		
33 14 13 23-0558	EA	10" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping.....	241.73	32.34	
		For SDR 26, Deduct	-26.57		
		For SDR 19, Add	13.04		
		For SDR 17, Add	32.20		
		For SDR 15.5, Add	47.16		
		For SDR 13.5, Add	73.61		
		For SDR 11, Add	118.48		
33 14 13 23-0559	EA	12" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping.....	357.38	48.41	
		For SDR 26, Deduct	-38.90		
		For SDR 19, Add	19.10		
		For SDR 17, Add	47.16		
		For SDR 15.5, Add	69.06		
		For SDR 13.5, Add	107.79		
		For SDR 11, Add	173.50		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0560	EA	14"	90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	446.69	64.60
			For SDR 26, Deduct	-46.37	
			For SDR 19, Add	22.77	
			For SDR 17, Add	56.22	
			For SDR 15.5, Add	82.33	
			For SDR 13.5, Add	128.50	
			For SDR 11, Add	206.83	
33 14 13 23-0561	EA	16"	90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	593.27	96.80
			For SDR 26, Deduct	-55.53	
			For SDR 19, Add	27.27	
			For SDR 17, Add	67.32	
			For SDR 15.5, Add	98.59	
			For SDR 13.5, Add	153.88	
			For SDR 11, Add	247.68	
33 14 13 23-0562	EA	18"	90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	739.00	108.89
			For SDR 26, Deduct	-75.57	
			For SDR 19, Add	37.11	
			For SDR 17, Add	91.61	
			For SDR 15.5, Add	134.16	
			For SDR 13.5, Add	209.41	
			For SDR 11, Add	337.06	
33 14 13 23-0563	EA	20"	90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	994.58	123.59
			For SDR 26, Deduct	-113.65	
			For SDR 19, Add	55.80	
			For SDR 17, Add	137.76	
			For SDR 15.5, Add	201.75	
			For SDR 13.5, Add	314.90	
			For SDR 11, Add	506.85	
33 14 13 23-0564	EA	24"	90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	1,263.29	145.26
			For SDR 26, Deduct	-151.72	
			For SDR 19, Add	74.49	
			For SDR 17, Add	183.92	
			For SDR 15.5, Add	269.34	
			For SDR 13.5, Add	420.39	
			For SDR 11, Add	676.65	
33 14 13 23-0565 Tees, High-Density Polyethylene (HDPE) Pressure Piping (33 14 13 23-0540)					
33 14 13 23-0566	EA	3"	Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping.....	68.32	17.10
			For SDR 26, Deduct	-3.14	
			For SDR 19, Add	1.54	
			For SDR 17, Add	3.81	
			For SDR 15.5, Add	5.58	
			For SDR 13.5, Add	8.71	
			For SDR 11, Add	14.01	
33 14 13 23-0567	EA	4"	Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping.....	78.23	19.36
			For SDR 26, Deduct	-3.70	
			For SDR 19, Add	1.82	
			For SDR 17, Add	4.48	
			For SDR 15.5, Add	6.57	
			For SDR 13.5, Add	10.25	
			For SDR 11, Add	16.50	
33 14 13 23-0568	EA	6"	Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping.....	119.72	22.35
			For SDR 26, Deduct	-9.67	
			For SDR 19, Add	4.75	
			For SDR 17, Add	11.72	
			For SDR 15.5, Add	17.16	
			For SDR 13.5, Add	26.79	
			For SDR 11, Add	43.11	
33 14 13 23-0569	EA	8"	Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping.....	212.98	26.41
			For SDR 26, Deduct	-24.53	
			For SDR 19, Add	12.04	
			For SDR 17, Add	29.73	
			For SDR 15.5, Add	43.54	
			For SDR 13.5, Add	67.96	
			For SDR 11, Add	109.39	
33 14 13 23-0570	EA	10"	Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping.....	292.46	38.77
			For SDR 26, Deduct	-32.31	
			For SDR 19, Add	15.87	
			For SDR 17, Add	39.17	
			For SDR 15.5, Add	57.36	
			For SDR 13.5, Add	89.54	
			For SDR 11, Add	144.12	
33 14 13 23-0571	EA	12"	Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping.....	414.98	58.15
			For SDR 26, Deduct	-44.12	
			For SDR 19, Add	21.66	
			For SDR 17, Add	53.49	
			For SDR 15.5, Add	78.33	
			For SDR 13.5, Add	122.26	
			For SDR 11, Add	196.78	
33 14 13 23-0572	EA	14"	Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping.....	500.97	72.64
			For SDR 26, Deduct	-51.91	
			For SDR 19, Add	25.49	
			For SDR 17, Add	62.92	
			For SDR 15.5, Add	92.15	
			For SDR 13.5, Add	143.83	
			For SDR 11, Add	231.51	

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 14 13 23-0573	EA	16" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	663.12	108.89
		For SDR 26, Deduct	-61.64	
		For SDR 19, Add	30.27	
		For SDR 17, Add	74.72	
		For SDR 15.5, Add	109.43	
		For SDR 13.5, Add	170.80	
		For SDR 11, Add	274.92	
33 14 13 23-0574	EA	18" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	847.79	126.86
		For SDR 26, Deduct	-85.65	
		For SDR 19, Add	42.05	
		For SDR 17, Add	103.83	
		For SDR 15.5, Add	152.05	
		For SDR 13.5, Add	237.33	
		For SDR 11, Add	381.99	
33 14 13 23-0575	EA	20" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	1,174.93	149.84
		For SDR 26, Deduct	-132.04	
		For SDR 19, Add	64.83	
		For SDR 17, Add	160.07	
		For SDR 15.5, Add	234.41	
		For SDR 13.5, Add	365.88	
		For SDR 11, Add	588.90	
33 14 13 23-0576	EA	24" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	1,517.95	181.64
		For SDR 26, Deduct	-178.44	
		For SDR 19, Add	87.61	
		For SDR 17, Add	216.31	
		For SDR 15.5, Add	316.77	
		For SDR 13.5, Add	494.43	
		For SDR 11, Add	795.82	

33 14 13 26 Galvanized Steel Public Water Utility Distribution Piping (33 14 13)

See CSI section 22 11 16 00-0013 for galvanized steel pipe.

33 14 13 36 Steel Public Water Utility Distribution Piping (33 14 13)**33 14 13 36-0001 Steel Piping (33 14 13 36)****33 14 13 36-0002 Welded, Plain End, Uncoated Steel Piping (33 14 13 36-0001)**

Note: ASTM A252 steel pipe. See CSI section 33 14 13 43-0001 for pipe coatings, 33 14 13 43-0051 for pipe linings.

33 14 13 36-0003 Up To 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Piping (33 14 13 36-0002)

33 14 13 36-0004	LF	8" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	107.84	29.20
		For <100, Add	12.03	
		For >1,000, Deduct	-5.39	
33 14 13 36-0005	LF	8" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	128.09	29.20
		For <100, Add	13.04	
		For >1,000, Deduct	-6.40	
33 14 13 36-0006	LF	10" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	127.89	31.85
		For <100, Add	13.63	
		For >1,000, Deduct	-6.39	
33 14 13 36-0007	LF	10" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	153.49	31.85
		For <100, Add	14.91	
		For >1,000, Deduct	-7.67	
33 14 13 36-0008	LF	12" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	154.07	33.37
		For <100, Add	15.29	
		For >1,000, Deduct	-7.70	
33 14 13 36-0009	LF	12" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	173.98	33.37
		For <100, Add	16.28	
		For >1,000, Deduct	-8.70	
33 14 13 36-0010	LF	14" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	186.15	36.88
		For <100, Add	17.69	
		For >1,000, Deduct	-9.31	
33 14 13 36-0011	LF	14" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	202.06	36.88
		For <100, Add	18.49	
		For >1,000, Deduct	-10.10	
33 14 13 36-0012	LF	16" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	197.54	38.94
		For <100, Add	18.72	
		For >1,000, Deduct	-9.88	
33 14 13 36-0013	LF	16" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	209.82	38.94
		For <100, Add	19.34	
		For >1,000, Deduct	-10.49	
33 14 13 36-0014	LF	18" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	244.17	43.79
		For <100, Add	22.16	
		For >1,000, Deduct	-12.21	
33 14 13 36-0015	LF	20" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	264.30	43.79
		For <100, Add	23.17	
		For >1,000, Deduct	-13.22	

33 14 13 36-0016 5/16" To 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Piping (33 14 13 36-0002)

33 14 13 36-0017	LF	12" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	211.01	56.78
		For <100, Add	19.47	
		For >1,000, Deduct	-10.55	
33 14 13 36-0018	LF	14" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	250.03	62.46
		For <100, Add	22.36	
		For >1,000, Deduct	-12.50	
33 14 13 36-0019	LF	16" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	277.46	65.29
		For <100, Add	24.28	
		For >1,000, Deduct	-13.87	

			Utilities	33	CS
			Water Utilities	33 10	
			Water Utility Transmission and Distribution	33 14	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 36-0020	LF	18" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	312.98	73.80
		For <100, Add	27.36	
		For >1,000, Deduct	-15.65	
33 14 13 36-0021	LF	18" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	326.63	73.80
		For <100, Add	28.04	
		For >1,000, Deduct	-16.33	
33 14 13 36-0022	LF	20" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	339.26	73.80
		For <100, Add	28.67	
		For >1,000, Deduct	-16.96	
33 14 13 36-0023	LF	20" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	353.82	73.80
		For <100, Add	29.40	
		For >1,000, Deduct	-17.69	
33 14 13 36-0024	LF	24" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	410.02	85.16
		For <100, Add	33.88	
		For >1,000, Deduct	-20.50	
33 14 13 36-0025	LF	24" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	455.07	85.16
		For <100, Add	36.14	
		For >1,000, Deduct	-22.75	
33 14 13 36-0026	LF	24" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	565.64	85.16
		For <100, Add	41.67	
		For >1,000, Deduct	-28.28	
33 14 13 36-0027	LF	30" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	509.07	99.36
		For <100, Add	41.07	
		For >1,000, Deduct	-25.45	
33 14 13 36-0028	LF	30" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	527.50	99.36
		For <100, Add	41.99	
		For >1,000, Deduct	-26.38	
33 14 13 36-0029	LF	30" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	701.32	99.36
		For <100, Add	50.68	
		For >1,000, Deduct	-35.07	
33 14 13 36-0030	LF	36" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	604.63	99.36
		For <100, Add	45.85	
		For >1,000, Deduct	-30.23	
33 14 13 36-0031	LF	36" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	709.17	119.23
		For <100, Add	54.20	
		For >1,000, Deduct	-35.46	
33 14 13 36-0032	LF	36" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	843.98	119.23
		For <100, Add	60.94	
		For >1,000, Deduct	-42.20	
33 14 13 36-0033	LF	36" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	810.31	119.23
		For <100, Add	59.25	
		For >1,000, Deduct	-40.52	
33 14 13 36-0034	LF	42" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	1,236.55	133.42
		For <100, Add	82.64	
		For >1,000, Deduct	-61.83	
33 14 13 36-0035	LF	42" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	755.81	133.42
		For <100, Add	58.61	
		For >1,000, Deduct	-37.79	
33 14 13 36-0036	LF	48" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	1,417.71	150.45
		For <100, Add	94.31	
		For >1,000, Deduct	-70.89	
33 14 13 36-0037	LF	48" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	829.58	150.45
		For <100, Add	64.90	
		For >1,000, Deduct	-41.48	
33 14 13 36-0038	LF	54" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	1,486.67	170.33
		For <100, Add	101.10	
		For >1,000, Deduct	-74.33	
33 14 13 36-0039	LF	54" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	1,640.24	170.33
		For <100, Add	108.78	
		For >1,000, Deduct	-82.01	
33 14 13 36-0040	LF	60" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	1,834.93	198.71
		For <100, Add	122.97	
		For >1,000, Deduct	-91.75	
33 14 13 36-0041	LF	66" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	1,288.89	198.71
		For <100, Add	95.67	
		For >1,000, Deduct	-64.44	
33 14 13 36-0042	LF	72" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	1,435.41	162.56
		For <100, Add	120.54	
		For >1,000, Deduct	-71.77	
33 14 13 36-0043	LF	78" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	2,668.55	162.56
		For <100, Add	182.20	
		For >1,000, Deduct	-133.43	
33 14 13 36-0044 Flexible Couplings (Dresser Style 38) (33 14 13 36-0001)				
33 14 13 36-0045	EA	2" Diameter x 5" Length, Dresser Coupling For Plain End Welded Steel Pipe	150.60	29.75
		For 7" Length, Add	9.34	
33 14 13 36-0046	EA	3" Diameter x 5" Length, Dresser Coupling For Plain End Welded Steel Pipe	211.93	57.21
		For 7" Length, Add	9.75	
33 14 13 36-0047	EA	4" Diameter x 5" Length, Dresser Coupling For Plain End Welded Steel Pipe	281.94	75.52
		For 7" Length, Add	12.94	
33 14 13 36-0048	EA	6" Diameter x 5" Length, Dresser Coupling For Plain End Welded Steel Pipe	454.36	114.42
		For 7" Length, Add	22.55	
33 14 13 36-0049	EA	8" Diameter x 5" Length, Dresser Coupling For Plain End Welded Steel Pipe	599.20	144.17
		For 7" Length, Add	31.32	
33 14 13 36-0050	EA	10" Diameter x 5" Length, Dresser Coupling For Plain End Welded Steel Pipe	823.84	167.99
		For 7" Length, Add	48.79	
33 14 13 36-0051	EA	12" Diameter x 5" Length, Dresser Coupling For Plain End Welded Steel Pipe	970.73	210.55
		For 7" Length, Add	55.08	

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 14 13 36-0052	EA	14" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	1,046.53	210.55
		<i>For 10" Length, Add</i>	35.91	
33 14 13 36-0053	EA	16" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	1,103.52	240.79
		<i>For 10" Length, Add</i>	37.41	
33 14 13 36-0054	EA	18" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	1,212.88	257.59
		<i>For 10" Length, Add</i>	41.86	
33 14 13 36-0055	EA	20" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	1,323.62	291.18
		<i>For 10" Length, Add</i>	45.82	
33 14 13 36-0056	EA	24" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	1,700.99	307.98
		<i>For 10" Length, Add</i>	65.10	
33 14 13 36-0057	EA	30" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	2,061.90	335.99
		<i>For 10" Length, Add</i>	83.40	
33 14 13 36-0058	EA	36" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	2,428.82	377.98
		<i>For 10" Length, Add</i>	100.37	
33 14 13 36-0059	EA	42" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	2,814.97	425.58
		<i>For 10" Length, Add</i>	118.50	
33 14 13 36-0060	EA	48" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	3,273.60	489.97
		<i>For 10" Length, Add</i>	137.62	
33 14 13 36-0061	EA	54" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	3,619.62	559.98
		<i>For 10" Length, Add</i>	149.98	
33 14 13 36-0062	EA	60" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	4,130.34	699.96
		<i>For 10" Length, Add</i>	163.82	
33 14 13 36-0063	EA	66" Diameter x 10" Length, Dresser Coupling For Plain End Welded Steel Pipe	4,737.21	851.16
		<i>For 12" Length, Add</i>	152.86	
33 14 13 36-0064	EA	72" Diameter x 10" Length, Dresser Coupling For Plain End Welded Steel Pipe	5,641.79	1,007.96
		<i>For 12" Length, Add</i>	181.29	

33 14 13 39 Copper Public Water Utility Distribution Piping (33 14 13)

33 14 13 39-0001	Type L Copper Water Distribution Piping (33 14 13 39)			
33 14 13 39-0002	LF	1/2" Type L Copper Water Distribution Pipe	8.03	2.11
33 14 13 39-0003	LF	3/4" Type L Copper Water Distribution Pipe	10.18	2.38
33 14 13 39-0004	LF	1" Type L Copper Water Distribution Pipe	13.50	2.64
33 14 13 39-0005	LF	1-1/4" Type L Copper Water Distribution Pipe	16.93	3.16
33 14 13 39-0006	LF	1-1/2" Type L Copper Water Distribution Pipe	20.90	4.23
33 14 13 39-0007	LF	2" Type L Copper Water Distribution Pipe	30.63	5.28
33 14 13 39-0008	LF	2-1/2" Type L Copper Water Distribution Pipe	38.62	6.34
33 14 13 39-0009	LF	3" Type L Copper Water Distribution Pipe	48.59	6.97
33 14 13 39-0010	LF	3-1/2" Type L Copper Water Distribution Pipe	65.25	8.77
33 14 13 39-0011	LF	4" Type L Copper Water Distribution Pipe	86.25	11.08
33 14 13 39-0012	LF	5" Type L Copper Water Distribution Pipe	139.61	13.84
33 14 13 39-0013	LF	6" Type L Copper Water Distribution Pipe	180.55	16.68
33 14 13 39-0014	LF	8" Type L Copper Water Distribution Pipe	312.71	18.68

33 14 13 39-0015 Type K Copper Water Distribution Piping (33 14 13 39)

33 14 13 39-0016	LF	1/2" Type K Copper Water Distribution Pipe	8.57	2.11
33 14 13 39-0017	LF	3/4" Type K Copper Water Distribution Pipe	12.09	2.38
33 14 13 39-0018	LF	1" Type K Copper Water Distribution Pipe	15.40	2.64
33 14 13 39-0019	LF	1-1/4" Type K Copper Water Distribution Pipe	18.11	3.16
33 14 13 39-0020	LF	1-1/2" Type K Copper Water Distribution Pipe	22.65	4.23
33 14 13 39-0021	LF	2" Type K Copper Water Distribution Pipe	32.98	5.28
33 14 13 39-0022	LF	2-1/2" Type K Copper Water Distribution Pipe	45.13	6.34
33 14 13 39-0023	LF	3" Type K Copper Water Distribution Pipe	58.34	6.97
33 14 13 39-0024	LF	3-1/2" Type K Copper Water Distribution Pipe	76.72	8.77
33 14 13 39-0025	LF	4" Type K Copper Water Distribution Pipe	103.64	11.08
33 14 13 39-0026	LF	5" Type K Copper Water Distribution Pipe	175.61	13.84
33 14 13 39-0027	LF	6" Type K Copper Water Distribution Pipe	245.27	16.68
33 14 13 39-0028	LF	8" Type K Copper Water Distribution Pipe	432.16	18.68

33 14 13 39-0029 Copper Flare x Female Copper Flare Service Fitting Coupling (33 14 13 39)

Note: Mueller H-15405

33 14 13 39-0030	EA	3/4" Copper Flare x Female Copper Flare Service Fitting Coupling	40.77	
33 14 13 39-0031	EA	1" Copper Flare x Female Copper Flare Service Fitting Coupling	57.69	
33 14 13 39-0032	EA	1-1/2" Copper Flare x Female Copper Flare Service Fitting Coupling	137.10	
33 14 13 39-0033	EA	2" Copper Flare x Female Copper Flare Service Fitting Coupling	174.59	

33 14 13 39-0034 Copper Flare x Female Iron Pipe Service Fitting Coupling (33 14 13 39)

Note: Mueller H-15450

33 14 13 39-0035	EA	1/2" Copper Flare x Female Iron Pipe Service Fitting Coupling	46.87	
33 14 13 39-0036	EA	3/4" Copper Flare x Female Iron Pipe Service Fitting Coupling	40.95	
33 14 13 39-0037	EA	1" Copper Flare x Female Iron Pipe Service Fitting Coupling	56.17	
33 14 13 39-0038	EA	1-1/4" Copper Flare x Female Iron Pipe Service Fitting Coupling	82.45	
33 14 13 39-0039	EA	1-1/2" Copper Flare x Female Iron Pipe Service Fitting Coupling	106.38	
33 14 13 39-0040	EA	2" Copper Flare x Female Iron Pipe Service Fitting Coupling	169.21	

33 14 13 39-0041 Copper Flare x Male Iron Pipe Service Fitting Coupling (33 14 13 39)

Note: Mueller H-15425

33 14 13 39-0042	EA	1/2" Copper Flare x Male Iron Pipe Service Fitting Coupling	40.62	
33 14 13 39-0043	EA	3/4" Copper Flare x Male Iron Pipe Service Fitting Coupling	41.06	
33 14 13 39-0044	EA	1" Copper Flare x Male Iron Pipe Service Fitting Coupling	54.83	
33 14 13 39-0045	EA	1-1/4" Copper Flare x Male Iron Pipe Service Fitting Coupling	82.45	

			Utilities	33	
			Water Utilities	33 10	
			Water Utility Transmission and Distribution	33 14	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 14 13 39-0046	EA	1-1/2" Copper Flare x Male Iron Pipe Service Fitting Coupling.....	111.25	
33 14 13 39-0047	EA	2" Copper Flare x Male Iron Pipe Service Fitting Coupling.....	175.24	
33 14 13 39-0048		Brass Fittings (33 14 13 39)		
33 14 13 39-0049		Brass Compression Reducer Coupling (33 14 13 39-0048)		
33 14 13 39-0050	EA	3/4" x 1" Brass Compression Reducer Coupling.....	52.33	16.78
33 14 13 39-0051	EA	1" x 3/4" Brass Compression Reducer Coupling.....	41.30	16.78
33 14 13 39-0052	EA	1-1/2" x 1" Brass Compression Reducer Coupling.....	87.11	25.47
33 14 13 39-0053	EA	2" x 1-1/2" Brass Compression Reducer Coupling.....	107.88	32.31
33 14 13 39-0054		Copper Compression x Male NPT Brass Coupling (33 14 13 39-0048)		
Note: A. Y. McDonald 74753Q				
33 14 13 39-0055	EA	3/4" Copper Compression x Male NPT Brass Coupling.....	54.43	18.64
33 14 13 39-0056	EA	3/4" x 1" Copper Compression x Male NPT Brass Coupling.....	62.23	21.75
33 14 13 39-0057	EA	1" Copper Compression x Male NPT Brass Coupling.....	63.83	21.75
33 14 13 39-0058	EA	1" x 3/4" Copper Compression x Male NPT Brass Coupling.....	62.50	21.75
33 14 13 39-0059	EA	1-1/4" Copper Compression x Male NPT Brass Coupling.....	85.27	24.85
33 14 13 39-0060	EA	1-1/4" x 1" Copper Compression x Male NPT Brass Coupling.....	82.86	24.85
33 14 13 39-0061	EA	1-1/2" Copper Compression x Male NPT Brass Coupling.....	113.05	31.07
33 14 13 39-0062	EA	2" Copper Compression x Male NPT Brass Coupling.....	148.78	37.28
33 14 13 39-0063		Brass Nipples (33 14 13 39-0048)		
33 14 13 39-0064	EA	3/4" x 6" Long Brass Nipple.....	37.53	7.77
33 14 13 39-0065	EA	1" x 6" Long Brass Nipple.....	48.84	8.38
33 14 13 39-0066	EA	1-1/2" x 6" Long Brass Nipple.....	74.37	9.01
33 14 13 39-0067		Brass "H" Style Meter Insetters (33 14 13 39-0048)		
33 14 13 39-0068	EA	5/8" x 3/4" Compression End, Brass "H" Style Meter Insetters.....	276.80	34.32
33 14 13 39-0069	EA	5/8" x 3/4" Threaded End, Brass "H" Style Meter Insetters.....	177.71	34.32
33 14 13 39-0070		Meter Setters - Resetter, Brass (33 14 13 39-0048)		
33 14 13 39-0071	EA	1" Meter, 10" High Brass Meter Setter - Resetter.....	732.31	34.32
Note: Male meter thread, bottom inlet/outlet, angle ball valve, top inlet/outlet with meter nuts.				
33 14 13 43		Public Water Utility Distribution Piping Coatings and Wraps (33 14 13)		
33 14 13 43-0001		Pipe Coatings (33 14 13 43)		
33 14 13 43-0002		Epoxy Wrap And Pipe Coating (33 14 13 43-0001)		
Note: Applied at fabrication shop.				
33 14 13 43-0003	LF	8" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating.....	2.84	
33 14 13 43-0004	LF	10" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating.....	3.38	
33 14 13 43-0005	LF	12" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating.....	3.99	
33 14 13 43-0006	LF	14" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating.....	5.30	
33 14 13 43-0007	LF	16" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating.....	6.04	
33 14 13 43-0008	LF	18" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating.....	6.35	
33 14 13 43-0009	LF	20" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating.....	6.84	
33 14 13 43-0010	LF	24" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating.....	7.97	
33 14 13 43-0011	LF	30" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating.....	10.47	
33 14 13 43-0012	LF	36" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating.....	16.54	
33 14 13 43-0013	LF	42" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating.....	35.65	
33 14 13 43-0014	LF	48" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating.....	40.74	
33 14 13 43-0015	LF	54" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating.....	45.83	
33 14 13 43-0016	LF	60" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating.....	50.93	
33 14 13 43-0017	LF	66" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating.....	56.02	
33 14 13 43-0018	LF	72" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating.....	61.09	
33 14 13 43-0019	LF	78" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating.....	66.21	
33 14 13 43-0020		Cement Coating With Fiberglass Or Wire Mesh Reinforcing (33 14 13 43-0001)		
Note: Applied at fabrication shop. Thickness ranging between 1" and 2".				
33 14 13 43-0021	LF	4" Diameter Cement Coated Pipe 1" To 2" Mesh.....	7.98	
Note: Reinforcing applied at fabrication shop.				
33 14 13 43-0022	LF	6" Diameter Cement Coated Pipe 1" To 2" Mesh.....	9.83	
Note: Reinforcing applied at fabrication shop.				
33 14 13 43-0023	LF	8" Diameter Cement Coated Pipe 1" To 2" Mesh.....	12.28	
Note: Reinforcing applied at fabrication shop.				
33 14 13 43-0024	LF	10" Diameter Cement Coated Pipe 1" To 2" Mesh.....	13.68	
Note: Reinforcing applied at fabrication shop.				
33 14 13 43-0025	LF	12" Diameter Cement Coated Pipe 1" To 2" Mesh.....	15.45	
Note: Reinforcing applied at fabrication shop.				
33 14 13 43-0026	LF	14" Diameter Cement Coated Pipe 1" To 2" Mesh.....	18.09	
Note: Reinforcing applied at fabrication shop.				
33 14 13 43-0027	LF	16" Diameter Cement Coated Pipe 1" To 2" Mesh.....	20.55	
Note: Reinforcing applied at fabrication shop.				
33 14 13 43-0028	LF	18" Diameter Cement Coated Pipe 1" To 2" Mesh.....	23.18	
Note: Reinforcing applied at fabrication shop.				
33 14 13 43-0029	LF	20" Diameter Cement Coated Pipe 1" To 2" Mesh.....	25.76	
Note: Reinforcing applied at fabrication shop.				

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 14 13 43-0030	LF	24" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	30.91
33 14 13 43-0031	LF	30" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	38.63
33 14 13 43-0032	LF	36" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	46.36
33 14 13 43-0033	LF	42" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	54.09
33 14 13 43-0034	LF	48" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	61.82
33 14 13 43-0035	LF	54" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	69.54
33 14 13 43-0036	LF	60" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	77.27
33 14 13 43-0037	LF	66" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	85.00
33 14 13 43-0038	LF	72" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	92.72
33 14 13 43-0039	LF	78" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	100.45

33 14 13 43-0040 Epoxy Wrap And Fitting Coating (33 14 13 43-0001)

Note: Applied at fabrication shop.

33 14 13 43-0041	EA	4" Outside Diameter, Epoxy Wrap And Fitting Coating..... <i>For 1/2" Thick, Add</i>	10.18 0.43
33 14 13 43-0042	EA	6" Outside Diameter, Epoxy Wrap And Fitting Coating..... <i>For 1/2" Thick, Add</i>	12.90 0.57
33 14 13 43-0043	EA	8" Outside Diameter, Epoxy Wrap And Fitting Coating..... <i>For 1/2" Thick, Add</i>	18.79 0.74
33 14 13 43-0044	EA	10" Outside Diameter, Epoxy Wrap And Fitting Coating..... <i>For 1/2" Thick, Add</i>	31.58 1.08
33 14 13 43-0045	EA	12" Outside Diameter, Epoxy Wrap And Fitting Coating..... <i>For 1/2" Thick, Add</i>	48.24 1.59
33 14 13 43-0046	EA	14" Outside Diameter, Epoxy Wrap And Fitting Coating..... <i>For 1/2" Thick, Add</i>	75.60 2.44
33 14 13 43-0047	EA	16" Outside Diameter, Epoxy Wrap And Fitting Coating..... <i>For 1/2" Thick, Add</i>	116.38 3.14
33 14 13 43-0048	EA	18" Outside Diameter, Epoxy Wrap And Fitting Coating..... <i>For 1/2" Thick, Add</i>	157.97 3.24
33 14 13 43-0049	EA	20" Outside Diameter, Epoxy Wrap And Fitting Coating..... <i>For 1/2" Thick, Add</i>	215.65 3.87
33 14 13 43-0050	EA	24" Outside Diameter, Epoxy Wrap And Fitting Coating..... <i>For 1/2" Thick, Add</i>	313.74 5.42

33 14 13 43-0051 Cement Pipe Lining (33 14 13 43)**33 14 13 43-0052 Cement Pipe Lining (33 14 13 43-0051)**

Note: Shop applied.

33 14 13 43-0053	LF	4" Outside Diameter, 1/4" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	13.37 1.06
33 14 13 43-0054	LF	6" Outside Diameter, 1/4" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	16.61 1.31
33 14 13 43-0055	LF	8" Outside Diameter, 1/4" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	20.27 1.64
33 14 13 43-0056	LF	10" Outside Diameter, 1/4" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	26.35 2.05
33 14 13 43-0057	LF	12" Outside Diameter, 1/4" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	32.44 2.46
33 14 13 43-0058	LF	14" Outside Diameter, 1/4" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	41.59 2.88
33 14 13 43-0059	LF	16" Outside Diameter, 1/4" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	54.12 3.27
33 14 13 43-0060	LF	18" Outside Diameter, 5/16" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	64.77 3.14
33 14 13 43-0061	LF	20" Outside Diameter, 5/16" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	78.41 3.49
33 14 13 43-0062	LF	24" Outside Diameter, 5/16" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	95.08 4.19
33 14 13 43-0063	LF	30" Outside Diameter, 5/16" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	114.32 5.23
33 14 13 43-0064	LF	36" Outside Diameter, 5/16" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	137.60 6.28
33 14 13 43-0065	LF	42" Outside Diameter, 3/8" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	160.56 5.39
33 14 13 43-0066	LF	48" Outside Diameter, 3/8" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	183.43 6.16
33 14 13 43-0067	LF	54" Outside Diameter, 3/8" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	206.40 6.93
33 14 13 43-0068	LF	60" Outside Diameter, 3/8" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	229.36 7.70
33 14 13 43-0069	LF	66" Outside Diameter, 7/16" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	252.23 4.51
33 14 13 43-0070	LF	72" Outside Diameter, 7/16" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	275.20 4.92
33 14 13 43-0071	LF	78" Outside Diameter, 7/16" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	298.16 5.34

			Utilities	33	CS
			Water Utilities	33 10	
			Water Utility Transmission and Distribution	33 14	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 14 13 43-0072		Cement Fitting Lining (33 14 13 43-0051)		
Note: Shop applied.				
33 14 13 43-0073	EA	4" Outside Diameter, 1/4" Thick Cement Fitting Lining.....	14.19	
		For 1/2" Thick, Add	1.23	
33 14 13 43-0074	EA	6" Outside Diameter, 1/4" Thick Cement Fitting Lining.....	18.25	
		For 1/2" Thick, Add	1.64	
33 14 13 43-0075	EA	8" Outside Diameter, 1/4" Thick Cement Fitting Lining.....	25.75	
		For 1/2" Thick, Add	2.13	
33 14 13 43-0076	EA	10" Outside Diameter, 1/4" Thick Cement Fitting Lining.....	42.55	
		For 1/2" Thick, Add	3.28	
33 14 13 43-0077	EA	12" Outside Diameter, 1/4" Thick Cement Fitting Lining.....	64.89	
		For 1/2" Thick, Add	4.92	
33 14 13 43-0078	EA	14" Outside Diameter, 1/4" Thick Cement Fitting Lining.....	96.55	
		For 1/2" Thick, Add	6.63	
33 14 13 43-0079	EA	16" Outside Diameter, 1/4" Thick Cement Fitting Lining.....	143.22	
		For 1/2" Thick, Add	8.51	
33 14 13 43-0080	EA	18" Outside Diameter, 5/16" Thick Cement Fittings Lining	194.32	
		For 1/2" Thick, Add	9.42	
33 14 13 43-0081	EA	20" Outside Diameter, 5/16" Thick Cement Fitting Lining.....	261.23	
		For 1/2" Thick, Add	11.62	
33 14 13 43-0082	EA	24" Outside Diameter, 5/16" Thick Cement Fitting Lining.....	380.35	
		For 1/2" Thick, Add	16.75	

33 14 13 43-0083

8 Mil Polyethylene Encasement Tubing (33 14 13 43)

Note: ANSI/AWWA C105/A21.5-99 section 4.2.

33 14 13 43-0084	LF	3" To 8" Diameter, 8 Mil Polyethylene Encasement Tubing.....	1.32
33 14 13 43-0085	LF	10" To 12" Diameter, 8 Mil Polyethylene Encasement Tubing.....	2.15
33 14 13 43-0086	LF	14" To 16" Diameter, 8 Mil Polyethylene Encasement Tubing.....	2.65
33 14 13 43-0087	LF	18" To 20" Diameter, 8 Mil Polyethylene Encasement Tubing.....	3.35
33 14 13 43-0088	LF	24" Diameter, 8 Mil Polyethylene Encasement Tubing	4.59
33 14 13 43-0089	LF	30" Diameter, 8 Mil Polyethylene Encasement Tubing	5.90
33 14 13 43-0090	LF	36" To 42" Diameter, 8 Mil Polyethylene Encasement Tubing.....	7.52
33 14 13 43-0091	LF	48" Diameter, 8 Mil Polyethylene Encasement Tubing	8.96
33 14 13 43-0092	LF	54" Diameter, 8 Mil Polyethylene Encasement Tubing	10.62
33 14 13 43-0093	LF	60" Diameter, 8 Mil Polyethylene Encasement Tubing	11.60

33 14 13 53 Public Water Utility Distribution Piping Saddles And Adapters (33 14 13)

33 14 13 53-0001		Double Stud Stainless Steel Service Saddles (33 14 13 53)		
Note: 1/2" listed taps are compression, 3/4" to 2" are either compression or NPT.				
33 14 13 53-0002	EA	4" Diameter x 1-1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	.....	267.88
33 14 13 53-0003	EA	4" Diameter x 1-1/4" Or 1-1/2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	.....	373.38
33 14 13 53-0004	EA	4" Diameter x 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	.....	386.02
33 14 13 53-0005	EA	6" Diameter x 1-1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	.....	319.66
33 14 13 53-0006	EA	6" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	.....	400.69
33 14 13 53-0007	EA	8" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	.....	334.23
33 14 13 53-0008	EA	8" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	.....	419.71
33 14 13 53-0009	EA	10" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	.....	375.73
33 14 13 53-0010	EA	10" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	.....	442.18
33 14 13 53-0011	EA	12" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	.....	391.99
33 14 13 53-0012	EA	12" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	.....	453.53

33 14 13 53-0013		Double Bale Epoxy Coated Ductile Iron Body Service Saddles (33 14 13 53)	
Note: Electro-galvanized steel bales. 5/8" listed taps are compression. 3/4" to 2" are either compression or NPT. 2-1/2", 3" or 4" are NPT.			
33 14 13 53-0014	EA	1-1/4" To 1-1/2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	226.28
33 14 13 53-0015	EA	2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	226.43
33 14 13 53-0016	EA	2" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	240.93
33 14 13 53-0017	EA	2-1/2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	230.04
33 14 13 53-0018	EA	3" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	246.09
33 14 13 53-0019	EA	3" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	271.72
33 14 13 53-0020	EA	3" Diameter x 2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	288.92
33 14 13 53-0021	EA	4" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	264.62
33 14 13 53-0022	EA	4" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	290.45
33 14 13 53-0023	EA	4" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	305.27
33 14 13 53-0024	EA	5" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	279.24
33 14 13 53-0025	EA	5" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	305.89
33 14 13 53-0026	EA	5" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	320.62
33 14 13 53-0027	EA	6" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	294.36
33 14 13 53-0028	EA	6" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	320.24
33 14 13 53-0029	EA	6" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	334.80
33 14 13 53-0030	EA	6" Diameter x 3" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	483.58
33 14 13 53-0031	EA	6" Diameter x 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	496.22
33 14 13 53-0032	EA	8" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	318.32
33 14 13 53-0033	EA	8" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	349.45
33 14 13 53-0034	EA	8" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	363.01
33 14 13 53-0035	EA	8" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	570.96
33 14 13 53-0036	EA	10" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	355.33
33 14 13 53-0037	EA	10" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	392.52
33 14 13 53-0038	EA	10" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	636.19

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 14 13 53-0039	EA	12" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	385.91
33 14 13 53-0040	EA	12" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	425.20
33 14 13 53-0041	EA	12" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	440.55
33 14 13 53-0042	EA	12" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	708.56
33 14 13 53-0043	EA	14" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	448.33
33 14 13 53-0044	EA	14" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	479.27
33 14 13 53-0045	EA	14" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	515.41
33 14 13 53-0046	EA	14" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	866.98
33 14 13 53-0047	EA	15" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	460.96
33 14 13 53-0048	EA	15" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	523.03
33 14 13 53-0049	EA	15" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	544.76
33 14 13 53-0050	EA	15" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	931.01
33 14 13 53-0051	EA	16" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	481.60
33 14 13 53-0052	EA	16" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	545.90
33 14 13 53-0053	EA	16" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	568.19
33 14 13 53-0054	EA	16" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	968.73
33 14 13 53-0055	EA	18" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	531.75
33 14 13 53-0056	EA	18" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	613.21
33 14 13 53-0057	EA	20" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	603.94
33 14 13 53-0058	EA	20" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	667.85
33 14 13 53-0059	EA	24" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	630.59
33 14 13 53-0060	EA	24" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	710.62

33 14 13 53-0061 Double Bale Bronze Service Saddles (33 14 13 53)

33 14 13 53-0062	EA	4" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	310.17
33 14 13 53-0063	EA	4" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	338.65
33 14 13 53-0064	EA	6" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	352.38
33 14 13 53-0065	EA	6" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	381.12
33 14 13 53-0066	EA	8" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	391.73
33 14 13 53-0067	EA	8" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	411.69
33 14 13 53-0068	EA	10" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	380.96
33 14 13 53-0069	EA	10" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	404.93
33 14 13 53-0070	EA	12" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	479.59
33 14 13 53-0071	EA	12" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	518.00
33 14 13 53-0072	EA	14" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	713.33
33 14 13 53-0073	EA	14" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	804.22
33 14 13 53-0074	EA	16" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	828.18
33 14 13 53-0075	EA	16" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	922.87

33 14 13 53-0076 Stainless Steel Double Straps, Bronze Body Service Saddle (33 14 13 53)

Note: Taps are compression or NPT.

33 14 13 53-0077	EA	4" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	325.24
33 14 13 53-0078	EA	4" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	357.67
33 14 13 53-0079	EA	6" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	370.18
33 14 13 53-0080	EA	6" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	401.45
33 14 13 53-0081	EA	8" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	413.73
33 14 13 53-0082	EA	8" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	434.87
33 14 13 53-0083	EA	10" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	464.83
33 14 13 53-0084	EA	10" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	497.08
33 14 13 53-0085	EA	12" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	499.75
33 14 13 53-0086	EA	12" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	540.76
33 14 13 53-0087	EA	14" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	763.29
33 14 13 53-0088	EA	14" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	874.87
33 14 13 53-0089	EA	16" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	887.46
33 14 13 53-0090	EA	16" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	965.89
33 14 13 53-0091	EA	18" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	1,943.31
33 14 13 53-0092	EA	18" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	1,943.31
33 14 13 53-0093	EA	20" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	2,017.02
33 14 13 53-0094	EA	20" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	2,017.02
33 14 13 53-0095	EA	24" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	2,165.06
33 14 13 53-0096	EA	24" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	2,165.06

33 14 13 53-0097 Ductile Iron Mechanical Joint Tapping Sleeve (33 14 13 53)

33 14 13 53-0098	EA	4" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	1,433.98
33 14 13 53-0099	EA	6" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	1,732.35
33 14 13 53-0100	EA	8" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	2,069.52
33 14 13 53-0101	EA	8" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	2,188.34
33 14 13 53-0102	EA	10" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,305.01
33 14 13 53-0103	EA	10" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,470.65
33 14 13 53-0104	EA	10" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,542.61
33 14 13 53-0105	EA	12" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,494.60
33 14 13 53-0106	EA	12" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,659.57
33 14 13 53-0107	EA	12" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	4,059.28
33 14 13 53-0108	EA	12" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	4,161.93
33 14 13 53-0109	EA	14" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,922.42
33 14 13 53-0110	EA	14" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,108.63

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 14 13 53-0111	EA	14" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,193.23	
33 14 13 53-0112	EA	14" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,230.52	
33 14 13 53-0113	EA	14" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,495.52	
33 14 13 53-0114	EA	16" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,486.22	
33 14 13 53-0115	EA	16" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,511.50	
33 14 13 53-0116	EA	16" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,719.40	
33 14 13 53-0117	EA	16" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,769.65	
33 14 13 53-0118	EA	16" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,824.78	
33 14 13 53-0119	EA	16" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	11,954.38	
33 14 13 53-0120	EA	16" Diameter x 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	8,208.22	
33 14 13 53-0121	EA	18" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,398.26	
33 14 13 53-0122	EA	18" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,865.68	
33 14 13 53-0123	EA	18" Diameter x 8", 10", 12" Or 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	11,001.73	
33 14 13 53-0124	EA	18" Diameter x 18" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	11,408.41	
33 14 13 53-0125	EA	20" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,751.01	
33 14 13 53-0126	EA	20" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,398.72	
33 14 13 53-0127	EA	20" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,578.00	
33 14 13 53-0128	EA	20" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,648.98	
33 14 13 53-0129	EA	20" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,996.21	
33 14 13 53-0130	EA	20" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	13,480.36	
33 14 13 53-0131	EA	20" Diameter x 16", 18" Or 20" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	13,746.28	
33 14 13 53-0132	EA	24" Diameter x 4", 6" Or 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	11,774.18	
33 14 13 53-0133	EA	24" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	11,938.06	
33 14 13 53-0134	EA	24" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	11,985.71	
33 14 13 53-0135	EA	24" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	16,554.34	
33 14 13 53-0136	EA	24" Diameter x 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	16,768.85	
33 14 13 53-0137	EA	24" Diameter x 18" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	16,819.41	
33 14 13 53-0138	EA	24" Diameter x 20" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	17,279.82	
33 14 13 53-0139	EA	24" Diameter x 24" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	17,500.22	

33 14 13 53-0140 Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (33 14 13 53)

33 14 13 53-0141	EA	4" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,181.45	
33 14 13 53-0142	EA	6" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,257.58	
33 14 13 53-0143	EA	6" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,373.67	
33 14 13 53-0144	EA	8" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,415.77	
33 14 13 53-0145	EA	8" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,474.33	
33 14 13 53-0146	EA	8" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,689.96	
33 14 13 53-0147	EA	10" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,546.64	
33 14 13 53-0148	EA	10" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,603.68	
33 14 13 53-0149	EA	10" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,793.40	
33 14 13 53-0150	EA	10" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,464.39	
33 14 13 53-0151	EA	12" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,740.86	
33 14 13 53-0152	EA	12" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,823.89	
33 14 13 53-0153	EA	12" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,010.61	
33 14 13 53-0154	EA	12" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,611.85	
33 14 13 53-0155	EA	12" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,845.61	
33 14 13 53-0156	EA	14" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,281.94	
33 14 13 53-0157	EA	14" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,350.86	
33 14 13 53-0158	EA	14" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,749.99	
33 14 13 53-0159	EA	14" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,244.51	
33 14 13 53-0160	EA	14" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,566.54	
33 14 13 53-0161	EA	16" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,707.42	
33 14 13 53-0162	EA	16" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,778.54	
33 14 13 53-0163	EA	16" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,043.21	
33 14 13 53-0164	EA	16" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,749.93	
33 14 13 53-0165	EA	16" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,917.97	
33 14 13 53-0166	EA	18" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,875.57	
33 14 13 53-0167	EA	18" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,003.31	
33 14 13 53-0168	EA	18" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,180.27	
33 14 13 53-0169	EA	18" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,011.64	
33 14 13 53-0170	EA	18" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,179.50	
33 14 13 53-0171	EA	20" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,466.40	
33 14 13 53-0172	EA	20" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,537.37	
33 14 13 53-0173	EA	20" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,932.80	
33 14 13 53-0174	EA	20" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,600.55	
33 14 13 53-0175	EA	20" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,884.66	
33 14 13 53-0176	EA	24" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,743.62	
33 14 13 53-0177	EA	24" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,897.55	
33 14 13 53-0178	EA	24" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,104.93	
33 14 13 53-0179	EA	24" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	5,052.12	
33 14 13 53-0180	EA	24" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	5,227.08	

33 14 13 53-0181 Stainless Steel Flange, Stainless Steel Tapping Sleeve (33 14 13 53)

33 14 13 53-0182	EA	4" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,362.50	
33 14 13 53-0183	EA	6" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,486.25	
33 14 13 53-0184	EA	6" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,572.93	
33 14 13 53-0185	EA	8" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,607.05	
33 14 13 53-0186	EA	8" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,706.69	
33 14 13 53-0187	EA	8" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,001.68	
33 14 13 53-0188	EA	10" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,842.77	
33 14 13 53-0189	EA	10" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,953.10	
33 14 13 53-0190	EA	10" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,217.65	
33 14 13 53-0191	EA	10" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,981.71	

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 14 13 53-0192	EA	12" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,104.40	
33 14 13 53-0193	EA	12" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,254.31	
33 14 13 53-0194	EA	12" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,603.37	
33 14 13 53-0195	EA	12" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,057.74	
33 14 13 53-0196	EA	12" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,405.42	
33 14 13 53-0197	EA	14" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,401.72	
33 14 13 53-0198	EA	14" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,585.32	
33 14 13 53-0199	EA	14" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,978.19	
33 14 13 53-0200	EA	14" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,433.00	
33 14 13 53-0201	EA	14" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,674.16	
33 14 13 53-0202	EA	16" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,925.00	
33 14 13 53-0203	EA	16" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,175.52	
33 14 13 53-0204	EA	16" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,366.73	
33 14 13 53-0205	EA	16" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,855.65	
33 14 13 53-0206	EA	16" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,187.74	
33 14 13 53-0207	EA	18" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,226.76	
33 14 13 53-0208	EA	18" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,600.52	
33 14 13 53-0209	EA	18" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,800.03	
33 14 13 53-0210	EA	18" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,229.82	
33 14 13 53-0211	EA	18" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,798.02	
33 14 13 53-0212	EA	20" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,487.14	
33 14 13 53-0213	EA	20" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,859.95	
33 14 13 53-0214	EA	20" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,022.28	
33 14 13 53-0215	EA	20" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,820.94	
33 14 13 53-0216	EA	20" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	5,266.07	
33 14 13 53-0217	EA	24" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,126.63	
33 14 13 53-0218	EA	24" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,180.82	
33 14 13 53-0219	EA	24" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,375.23	
33 14 13 53-0220	EA	24" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	5,328.28	
33 14 13 53-0221	EA	24" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	5,837.58	

33 14 13 53-0222 Ductile Iron Body, Flanged Coupling Adapter (33 14 13 53)

33 14 13 53-0223	EA	3" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	342.87	66.79
33 14 13 53-0224	EA	4" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	429.68	84.22
33 14 13 53-0225	EA	6" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	565.98	116.16
33 14 13 53-0226	EA	8" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	730.94	136.49
33 14 13 53-0227	EA	10" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	1,136.90	153.91
33 14 13 53-0228	EA	12" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	1,270.50	174.24

33 14 13 53-0229 Steel Body, Flanged Coupling Adapter (33 14 13 53)

33 14 13 53-0230	EA	3" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	494.73	66.79
33 14 13 53-0231	EA	4" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	585.94	84.22
33 14 13 53-0232	EA	6" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	783.04	116.16
33 14 13 53-0233	EA	8" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	956.85	136.49
33 14 13 53-0234	EA	10" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,165.88	153.91
33 14 13 53-0235	EA	12" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,357.65	174.24
33 14 13 53-0236	EA	14" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,610.19	191.67
33 14 13 53-0237	EA	16" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,903.77	209.08
33 14 13 53-0238	EA	18" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	2,245.23	230.00
33 14 13 53-0239	EA	20" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	2,649.80	253.00

33 14 13 53-0240 Steel Body, Flanged-Lock Restrained Coupling Adapters (33 14 13 53)

33 14 13 53-0241	EA	4" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	439.84	84.22
33 14 13 53-0242	EA	6" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	591.05	116.16
33 14 13 53-0243	EA	8" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	655.92	136.49
33 14 13 53-0244	EA	10" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	949.34	153.91
33 14 13 53-0245	EA	12" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,205.11	174.24
33 14 13 53-0246	EA	14" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,350.96	191.67
33 14 13 53-0247	EA	16" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,585.05	209.08
33 14 13 53-0248	EA	18" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,777.95	230.00
33 14 13 53-0249	EA	20" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	2,132.40	253.00
33 14 13 53-0250	EA	24" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	2,563.85	278.32
33 14 13 53-0251	EA	30" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	5,289.48	306.08
33 14 13 53-0252	EA	36" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	7,124.53	336.74

33 14 13 53-0253 Ductile Iron Body, Omni Coupling System (33 14 13 53)

33 14 13 53-0254	EA	2" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	158.02	46.47
33 14 13 53-0255	EA	2-1/2" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	194.52	55.18
33 14 13 53-0256	EA	3" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	240.54	66.79
33 14 13 53-0257	EA	4" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	302.12	84.22
33 14 13 53-0258	EA	6" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	403.79	116.16
33 14 13 53-0259	EA	8" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	489.72	136.49
33 14 13 53-0260	EA	10" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	608.76	153.91
33 14 13 53-0261	EA	12" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	710.84	174.24
33 14 13 53-0262	EA	14" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	989.51	191.67
33 14 13 53-0263	EA	16" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	1,228.84	209.08

33 14 19 Valves and Hydrants for Water Utility Service (33 14)

Note: Flanged valves excludes bolt and gasket set. Excludes excavation and backfill. See CSI section 23 21 13 23-0713 for bolt and gasket sets.

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 14 19 00-0001	Water Utility Distribution Valves (33 14 19)		
33 14 19 00-0002	Angle Valves (33 14 19 00-0001) Note: For connecting meters to water service.		
33 14 19 00-0003	Threaded, Class 150, Bronze Angle Valve (33 14 19 00-0002) Note: Nibco T-335Y		
33 14 19 00-0004	EA 1/2" Threaded, Class 150, Bronze Angle Valve	103.79	19.89
33 14 19 00-0005	EA 3/4" Threaded, Class 150, Bronze Angle Valve	139.96	26.72
33 14 19 00-0006	EA 1" Threaded, Class 150, Bronze Angle Valve	187.74	32.93
33 14 19 00-0007	EA 1-1/4" Threaded, Class 150, Bronze Angle Valve	241.58	41.38
33 14 19 00-0008	EA 1-1/2" Threaded, Class 150, Bronze Angle Valve	300.84	47.84
33 14 19 00-0009	EA 2" Threaded, Class 150, Bronze Angle Valve	445.62	55.92
33 14 19 00-0010	EA 2-1/2" Threaded, Class 150, Bronze Angle Valve	710.68	76.32
33 14 19 00-0011	EA 3" Threaded, Class 150, Bronze Angle Valve	1,072.86	88.10
33 14 19 00-0012	Butterfly Valves (33 14 19 00-0001)		
33 14 19 00-0013	Lug Type Flanged, Cast Iron Disc, Butterfly Valves (33 14 19 00-0012) Note: ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, 304 Stainless Steel Pin		
33 14 19 00-0014	EA 3" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,3,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified)	2,197.44	211.25
33 14 19 00-0015	EA 3" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,3,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8 Modified)	2,459.29	211.25
33 14 19 00-0016	EA 4" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,4,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified)	2,470.63	326.91
33 14 19 00-0017	EA 4" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,4,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8 Modified)	2,730.25	326.91
33 14 19 00-0018	EA 6" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,6,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified)	2,835.33	386.91
33 14 19 00-0019	EA 6" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,6,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8 Modified)	3,094.95	386.91
33 14 19 00-0020	EA 8" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,8,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified)	3,201.33	494.39
33 14 19 00-0021	EA 8" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,8,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8 Modified)	3,459.45	494.39
33 14 19 00-0022	EA 10" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,10,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified)	4,015.40	601.86
33 14 19 00-0023	EA 10" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,10,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8 Modified)	4,015.40	601.86
33 14 19 00-0024	EA 12" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,12,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified)	4,594.24	729.51
33 14 19 00-0025	EA 12" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,12,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8 Modified)	4,853.86	729.51
33 14 19 00-0026	EA 14" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,14,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD12 Modified)	6,156.68	1,028.15
33 14 19 00-0027	EA 14" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,14,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW12 Modified)	6,835.56	1,028.15
33 14 19 00-0028	EA 16" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,16,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD16 Modified)	7,175.95	1,130.97
33 14 19 00-0029	EA 16" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,16,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW20 Modified)	8,008.50	1,130.97
33 14 19 00-0030	EA 18" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,18,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD24 Modified)	9,007.21	1,254.34
33 14 19 00-0031	EA 18" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,18,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW24 Modified)	9,889.01	1,254.34
33 14 19 00-0032	EA 20" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,20,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD24 Modified)	10,323.96	1,413.71
33 14 19 00-0033	EA 20" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,20,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW24 Modified)	11,204.26	1,413.71
33 14 19 00-0034	Lug Type Flanged, Ductile Iron Disc, Butterfly Valves (33 14 19 00-0012) Note: ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, 304 Stainless Steel Pin		
33 14 19 00-0035	EA 24" Chainwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,24,F1,DI,NBRN-NBR,150B,DI-S2*GS-12A-CW20 Modified)	17,293.33	1,735.01

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
33 14 19 00-0036	EA	24" Cylinder Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,24,F1,DI,NBRN-NBR,150B,DI-S2*GS-12-PC10 Modified)	27,890.50	1,735.01	
33 14 19 00-0037	EA	24" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,24,F1,DI,NBRN-NBR,150B,DI-S2*GS-12A-HD20 Modified)	17,240.96	1,735.01	
33 14 19 00-0038	EA	30" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,30,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR3L-HD24 Modified)	28,331.93	2,748.03	
33 14 19 00-0039	EA	36" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,36,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR3L-HD24 Modified)	56,110.21	3,664.04	
33 14 19 00-0040	EA	42" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,42,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR3L-HD32 Modified)	66,288.39	5,496.05	
33 14 19 00-0041	EA	48" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,48,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR4L-HD24 Modified)	84,098.75	6,870.07	
33 14 19 00-0042	EA	54" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,54,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR6L-HD24 Modified)	117,570.19	8,244.09	
33 14 19 00-0043	EA	60" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,60,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR6L-HD36 Modified)	147,345.64	9,892.90	
33 14 19 00-0044	EA	72" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,72,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR8L-HD36 Modified)	211,542.63	11,871.48	
33 14 19 00-0045	LF	3/16" Link, 316 Stainless Steel Chain For Use With DeZurik Chainwheel	19.57		
33 14 19 00-0046	EA	316 Stainless Steel Closing Link For Use With DeZurik Chainwheel	10.30		
Note: One required per valve.					
33 14 19 00-0047	Check Valves (33 14 19 00-0001)				
33 14 19 00-0048	Flanged, Swing Type Gravity Operated Check Valves (33 14 19 00-0047)				
Note: AWWA C508. Bronze disc facing. Mueller A-2600-6.					
33 14 19 00-0049	EA	2-1/2" Flanged, Swing Type Gravity Operated Check Valve	1,574.24	165.91	
33 14 19 00-0050	EA	3" Flanged, Swing Type Gravity Operated Check Valve	1,609.65	194.52	
33 14 19 00-0051	EA	4" Flanged, Swing Type Gravity Operated Check Valve	2,175.11	246.01	
33 14 19 00-0052	EA	4" x 6" Flanged, Swing Type Gravity Operated Check Valve	3,101.32	370.15	
33 14 19 00-0053	EA	4" x 8" Flanged, Swing Type Gravity Operated Check Valve	3,209.11	413.39	
33 14 19 00-0054	EA	6" Flanged, Swing Type Gravity Operated Check Valve	3,051.46	411.91	
33 14 19 00-0055	EA	6" x 8" Flanged, Swing Type Gravity Operated Check Valve	4,018.02	468.23	
33 14 19 00-0056	EA	6" x 10" Flanged, Swing Type Gravity Operated Check Valve	4,178.87	526.33	
33 14 19 00-0057	EA	8" Flanged, Swing Type Gravity Operated Check Valve	4,363.89	526.33	
33 14 19 00-0058	EA	10" Flanged, Swing Type Gravity Operated Check Valve	7,457.85	640.76	
33 14 19 00-0059	EA	12" Flanged, Swing Type Gravity Operated Check Valve	11,381.56	480.57	
33 14 19 00-0060	EA	14" Flanged, Swing Type Gravity Operated Check Valve	16,023.81	1,028.15	
33 14 19 00-0061	EA	16" Flanged, Swing Type Gravity Operated Check Valve	21,389.29	1,130.97	
33 14 19 00-0062	EA	18" Flanged, Swing Type Gravity Operated Check Valve	31,153.99	1,254.34	
33 14 19 00-0063	EA	20" Flanged, Swing Type Gravity Operated Check Valve	36,286.42	1,413.71	
33 14 19 00-0064	Threaded, Bronze, Swing Type Check Valves (33 14 19 00-0047)				
Note: Class 125. Watts WCV-2, Nibco T-413.					
33 14 19 00-0065	EA	1/4" Threaded, Bronze, Swing Type Check Valve	53.42	20.01	
33 14 19 00-0066	EA	3/8" Threaded, Bronze, Swing Type Check Valve	55.32	20.01	
33 14 19 00-0067	EA	1/2" Threaded, Bronze, Swing Type Check Valve	52.69	20.01	
33 14 19 00-0068	EA	3/4" Threaded, Bronze, Swing Type Check Valve	70.10	27.02	
33 14 19 00-0069	EA	1" Threaded, Bronze, Swing Type Check Valve	82.76	32.68	
33 14 19 00-0070	EA	1-1/4" Threaded, Bronze, Swing Type Check Valve	114.62	41.38	
33 14 19 00-0071	EA	1-1/2" Threaded, Bronze, Swing Type Check Valve	139.00	47.84	
33 14 19 00-0072	EA	2" Threaded, Bronze, Swing Type Check Valve	180.02	55.92	
33 14 19 00-0073	EA	2-1/2" Threaded, Bronze, Swing Type Check Valve	271.21	76.32	
33 14 19 00-0074	Combination Air Release Valves (33 14 19 00-0001)				
33 14 19 00-0075	EA	1" Combination Air Release Valve	630.61	24.02	
33 14 19 00-0076	EA	2" Combination Air Release Valve	1,017.91	41.19	
33 14 19 00-0077	Corporation Stop And Curb Valve (33 14 19 00-0001)				
Note: AWWA C800					
33 14 19 00-0078	Ball Corporation Valves (33 14 19 00-0077)				
Note: Mueller B-25000.					
33 14 19 00-0079	EA	3/4" Ball Corporation Valve (Mueller B-25000)	84.76	24.02	
33 14 19 00-0080	EA	1" Ball Corporation Valve (Mueller B-25000)	106.29	29.75	
33 14 19 00-0081	EA	1-1/2" Ball Corporation Valve (Mueller B-25000)	186.89	43.48	
33 14 19 00-0082	EA	2" Ball Corporation Valve (Mueller B-25000)	276.68	51.49	
33 14 19 00-0083	Gate Valve, AWWA C500 And C509 (33 14 19 00-0001)				
33 14 19 00-0084	Gate Valve, Flanged (33 14 19 00-0083)				
Note: Mueller A-2380-6.					
33 14 19 00-0085	EA	2" Gate Valve, Flanged	961.50	152.52	
33 14 19 00-0086	EA	2-1/2" Gate Valve, Flanged	1,128.42	165.91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0087 EA 3" Gate Valve, Flanged.....	1,335.69	194.52
33 14 19 00-0088 EA 4" Gate Valve, Flanged.....	1,707.97	243.71
33 14 19 00-0089 EA 6" Gate Valve, Flanged.....	2,148.35	411.91
33 14 19 00-0090 EA 8" Gate Valve, Flanged.....	3,203.51	526.33
33 14 19 00-0091 EA 10" Gate Valve, Flanged.....	4,852.67	640.76
33 14 19 00-0092 EA 12" Gate Valve, Flanged.....	5,853.03	480.57
33 14 19 00-0093 EA 14" Gate Valve, Flanged.....	12,968.27	1,028.15
33 14 19 00-0094 EA 16" Gate Valve, Flanged.....	17,025.75	1,130.97
33 14 19 00-0095 EA 18" Gate Valve, Flanged.....	27,122.14	1,254.34
33 14 19 00-0096 EA 20" Gate Valve, Flanged.....	32,458.25	1,413.71
33 14 19 00-0097 Resilient Wedge Gate Valve, Flanged Watts 406-NRS-RW (33 14 19 00-0083)		
33 14 19 00-0098 EA 2" Resilient Wedge Gate Valve, Flanged.....	917.90	152.52
33 14 19 00-0099 EA 2-1/2" Resilient Wedge Gate Valve, Flanged.....	1,076.32	165.91
33 14 19 00-0100 EA 3" Resilient Wedge Gate Valve, Flanged.....	1,273.87	194.52
33 14 19 00-0101 EA 4" Resilient Wedge Gate Valve, Flanged.....	1,638.87	243.71
33 14 19 00-0102 EA 6" Resilient Wedge Gate Valve, Flanged.....	2,055.97	411.91
33 14 19 00-0103 EA 8" Resilient Wedge Gate Valve, Flanged.....	3,059.21	526.33
33 14 19 00-0104 EA 10" Resilient Wedge Gate Valve, Flanged.....	4,623.35	640.76
33 14 19 00-0105 EA 12" Resilient Wedge Gate Valve, Flanged.....	5,576.14	480.57
33 14 19 00-0106 Gate Valve, Mechanical Joint (33 14 19 00-0083)		
Note: Mueller A-2380-20.		
33 14 19 00-0107 EA 2" Gate Valve, Mechanical Joint.....	1,123.11	121.86
33 14 19 00-0108 EA 2-1/2" Gate Valve, Mechanical Joint.....	1,208.13	152.75
33 14 19 00-0109 EA 3" Gate Valve, Mechanical Joint.....	1,520.98	184.79
33 14 19 00-0110 EA 4" Gate Valve, Mechanical Joint.....	1,804.45	243.71
33 14 19 00-0111 EA 6" Gate Valve, Mechanical Joint.....	2,276.92	286.05
33 14 19 00-0112 EA 8" Gate Valve, Mechanical Joint.....	3,338.74	343.26
33 14 19 00-0113 EA 10" Gate Valve, Mechanical Joint.....	4,922.64	400.47
33 14 19 00-0114 EA 12" Gate Valve, Mechanical Joint.....	6,170.81	480.57
33 14 19 00-0115 EA 14" Gate Valve, Mechanical Joint.....	13,809.28	629.75
33 14 19 00-0116 EA 16" Gate Valve, Mechanical Joint.....	17,913.65	706.86
33 14 19 00-0117 EA 18" Gate Valve, Mechanical Joint.....	28,710.37	783.97
33 14 19 00-0118 EA 20" Gate Valve, Mechanical Joint.....	34,174.23	883.56
33 14 19 00-0119 Resilient Wedge Gate Valve, Mechanical Joint (33 14 19 00-0083)		
Note: Mueller A-2360-20.		
33 14 19 00-0120 EA 2" Resilient Wedge Gate Valve, Mechanical Joint.....	1,073.32	121.86
33 14 19 00-0121 EA 3" Resilient Wedge Gate Valve, Mechanical Joint.....	1,455.80	184.79
33 14 19 00-0122 EA 4" Resilient Wedge Gate Valve, Mechanical Joint.....	1,729.90	243.71
33 14 19 00-0123 EA 6" Resilient Wedge Gate Valve, Mechanical Joint.....	2,180.44	286.05
33 14 19 00-0124 EA 8" Resilient Wedge Gate Valve, Mechanical Joint.....	3,188.64	343.26
33 14 19 00-0125 EA 10" Resilient Wedge Gate Valve, Mechanical Joint.....	4,689.36	400.47
33 14 19 00-0126 EA 12" Resilient Wedge Gate Valve, Mechanical Joint.....	5,875.87	480.57
33 14 19 00-0127 Resilient Wedge Gate Valve, Mechanical Joint X Flange Joint (33 14 19 00-0083)		
Note: Mueller A-2361.		
33 14 19 00-0128 EA 14" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint.....	9,225.95	1,028.15
33 14 19 00-0129 EA 16" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint.....	10,028.91	1,130.97
33 14 19 00-0130 EA 18" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint.....	15,667.20	1,254.34
33 14 19 00-0131 EA 20" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint.....	18,704.57	1,413.71
33 14 19 00-0132 EA 24" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint.....	26,583.07	1,735.01
33 14 19 00-0133 Gate Valve, Threaded, WW-V-51 Class A, Type 1 (33 14 19 00-0083)		
Note: NIBCO T-113.		
33 14 19 00-0134 EA 1/4" Gate Valve, Bronze, Threaded.....	61.86	20.01
33 14 19 00-0135 EA 3/8" Gate Valve, Bronze, Threaded.....	63.76	20.01
33 14 19 00-0136 EA 1/2" Gate Valve, Bronze, Threaded.....	63.34	20.01
33 14 19 00-0137 EA 3/4" Gate Valve, Bronze, Threaded.....	81.73	27.02
33 14 19 00-0138 EA 1" Gate Valve, Bronze, Threaded.....	100.69	32.68
33 14 19 00-0139 EA 1-1/4" Gate Valve, Bronze, Threaded.....	136.43	41.38
33 14 19 00-0140 EA 1-1/2" Gate Valve, Bronze, Threaded.....	158.28	47.84
33 14 19 00-0141 EA 2" Gate Valve, Bronze, Threaded.....	191.83	55.92
33 14 19 00-0142 EA 2-1/2" Gate Valve, Bronze, Threaded.....	364.89	76.32
33 14 19 00-0143 EA 3" Gate Valve, Bronze, Threaded.....	436.89	87.53
33 14 19 00-0144 Globe Valve, AWWA (33 14 19 00-0001)		
33 14 19 00-0145 Globe Valve, Threaded, WW-V-51 Class B, Type 1 (33 14 19 00-0144)		
Note: NIBCO T-235.		
33 14 19 00-0146 EA 1/8" Globe Valve, Threaded.....	86.73	20.01
33 14 19 00-0147 EA 1/4" Globe Valve, Threaded.....	82.89	20.01
33 14 19 00-0148 EA 3/8" Globe Valve, Threaded.....	84.79	20.01
33 14 19 00-0149 EA 1/2" Globe Valve, Threaded.....	86.73	20.01
33 14 19 00-0150 EA 3/4" Globe Valve, Threaded.....	117.75	27.02
33 14 19 00-0151 EA 1" Globe Valve, Threaded.....	164.46	32.68
33 14 19 00-0152 EA 1-1/4" Globe Valve, Threaded.....	239.48	41.38
33 14 19 00-0153 EA 1-1/2" Globe Valve, Threaded.....	285.64	47.84
33 14 19 00-0154 EA 2" Globe Valve, Threaded.....	396.95	55.92

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 14 19 00-0155	EA	2-1/2" Globe Valve, Threaded.....	724.79	76.32
33 14 19 00-0156	EA	3" Globe Valve, Threaded.....	989.90	87.99

33 14 19 00-0157 Tapping Valve, AWWA C500 And C509 (33 14 19 00-0001)

33 14 19 00-0158 Tapping Valve, AWWA C500 And C509 (33 14 19 00-0157)

Note: Flanged inlet X mechanical joint, Mueller H-667.

33 14 19 00-0159	EA	2" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	1,377.06	152.52
33 14 19 00-0160	EA	3" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	1,774.79	194.52
33 14 19 00-0161	EA	4" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	2,132.13	243.71
33 14 19 00-0162	EA	6" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	2,796.50	411.91
33 14 19 00-0163	EA	8" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	4,034.78	526.33
33 14 19 00-0164	EA	10" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	5,862.86	640.76
33 14 19 00-0165	EA	12" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	8,697.51	480.57
33 14 19 00-0166	EA	14" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	15,894.11	1,028.15
33 14 19 00-0167	EA	16" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	20,123.97	1,130.97
33 14 19 00-0168	EA	18" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	32,615.80	1,254.34

33 14 19 00-0169 Accessories For Valves (33 14 19)

33 14 19 00-0170	EA	1' Valve Extension Stem	112.70	
		For Each Additional LF, Add	8.91	
33 14 19 00-0171	EA	Up to 80" Long Indicator Post Telescoping Barrel Assembly	1,704.85	114.42
		Note: Excludes valve.		
33 14 19 00-0172	EA	>80" To 114" Long Indicator Post Telescoping Barrel Assembly	1,933.85	125.86
		Note: Excludes valve.		
33 14 19 00-0173	EA	Adjust Water Valve Box To Grade	114.42	

33 14 19 00-0174 Fire Hydrants (33 14 19)

Note: Breakaway type.

33 14 19 00-0175 Three Way, Standard (Traditional) Model Fire Hydrant (33 14 19 00-0174)

Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).

33 14 19 00-0176	EA	1-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,581.84	300.93
33 14 19 00-0177	EA	2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,648.35	300.93
33 14 19 00-0178	EA	2-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,715.03	300.93
33 14 19 00-0179	EA	3' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,802.88	322.42
33 14 19 00-0180	EA	3-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,869.46	322.42
33 14 19 00-0181	EA	4' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,962.97	349.29
33 14 19 00-0182	EA	4-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,029.44	349.29
33 14 19 00-0183	EA	5' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,122.97	376.16
33 14 19 00-0184	EA	5-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,189.54	376.16
33 14 19 00-0185	EA	6' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,282.88	403.03
33 14 19 00-0186	EA	6-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,376.30	429.90
33 14 19 00-0187	EA	7' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,496.49	483.64
33 14 19 00-0188	EA	1-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,642.54	300.93
33 14 19 00-0189	EA	2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,728.85	300.93
33 14 19 00-0190	EA	2-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,814.95	300.93
33 14 19 00-0191	EA	3' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,922.54	322.42
33 14 19 00-0192	EA	3-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,008.64	322.42
33 14 19 00-0193	EA	4' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,121.93	349.29
33 14 19 00-0194	EA	4-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,207.92	349.29
33 14 19 00-0195	EA	5' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,320.98	376.16
33 14 19 00-0196	EA	5-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,407.06	376.16
33 14 19 00-0197	EA	6' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,519.88	403.03
33 14 19 00-0198	EA	6-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,633.06	429.90
33 14 19 00-0199	EA	7' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,772.75	483.64

33 14 19 00-0200 Two Way, Standard (Traditional) Model Fire Hydrant (33 14 19 00-0174)

Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).

33 14 19 00-0201	EA	1-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,216.76	300.93
33 14 19 00-0202	EA	2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,283.04	300.93
33 14 19 00-0203	EA	2-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,349.70	300.93
33 14 19 00-0204	EA	3' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,437.83	322.42
33 14 19 00-0205	EA	3-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,504.19	322.42
33 14 19 00-0206	EA	4' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,597.55	349.29
33 14 19 00-0207	EA	4-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,664.12	349.29
33 14 19 00-0208	EA	5' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,757.71	376.16
33 14 19 00-0209	EA	5-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,824.14	376.16
33 14 19 00-0210	EA	6' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,917.84	403.03
33 14 19 00-0211	EA	6-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	4,010.84	429.90
33 14 19 00-0212	EA	7' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	4,131.17	483.64
33 14 19 00-0213	EA	1-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,310.52	300.93
33 14 19 00-0214	EA	2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,396.64	300.93
33 14 19 00-0215	EA	2-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,482.63	300.93
33 14 19 00-0216	EA	3' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,590.44	322.42
33 14 19 00-0217	EA	3-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,676.32	322.42
33 14 19 00-0218	EA	4' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,789.46	349.29
33 14 19 00-0219	EA	4-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,875.39	349.29
33 14 19 00-0220	EA	5' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,988.73	376.16
33 14 19 00-0221	EA	5-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	4,074.61	376.16
33 14 19 00-0222	EA	6' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	4,187.73	403.03
33 14 19 00-0223	EA	6-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	4,300.49	429.90

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 14 19 00-0224	EA	7' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	4,440.65	483.64
33 14 19 00-0225		Three Way, Modern Model Fire Hydrant (33 14 19 00-0174)		
		Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 14 19 00-0226	EA	1-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	3,737.06	300.93
33 14 19 00-0227	EA	2' Burial Section, Three Way, Modern Type Fire Hydrant.....	3,823.05	300.93
33 14 19 00-0228	EA	2-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	3,909.30	300.93
33 14 19 00-0229	EA	3' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,016.94	322.42
33 14 19 00-0230	EA	3-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,102.99	322.42
33 14 19 00-0231	EA	4' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,215.96	349.29
33 14 19 00-0232	EA	4-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,302.13	349.29
33 14 19 00-0233	EA	5' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,415.12	376.16
33 14 19 00-0234	EA	5-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,501.20	376.16
33 14 19 00-0235	EA	6' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,614.17	376.16
33 14 19 00-0236	EA	6-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,727.40	429.90
33 14 19 00-0237	EA	7' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,866.19	429.90
33 14 19 00-0238		Two Way, Modern Model Fire Hydrant (33 14 19 00-0174)		
		Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 14 19 00-0239	EA	1-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	2,658.80	300.93
33 14 19 00-0240	EA	2' Burial Section, Two Way, Modern Type Fire Hydrant	2,724.24	300.93
33 14 19 00-0241	EA	2-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	2,790.41	300.93
33 14 19 00-0242	EA	3' Burial Section, Two Way, Modern Type Fire Hydrant	2,876.57	322.42
33 14 19 00-0243	EA	3-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	2,941.99	322.42
33 14 19 00-0244	EA	4' Burial Section, Two Way, Modern Type Fire Hydrant	3,034.28	349.29
33 14 19 00-0245	EA	4-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	3,099.68	349.29
33 14 19 00-0246	EA	5' Burial Section, Two Way, Modern Type Fire Hydrant	3,192.05	376.16
33 14 19 00-0247	EA	5-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	3,257.28	376.16
33 14 19 00-0248	EA	6' Burial Section, Two Way, Modern Type Fire Hydrant	3,349.59	403.03
33 14 19 00-0249	EA	6-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	3,441.97	429.90
33 14 19 00-0250	EA	7' Burial Section, Two Way, Modern Type Fire Hydrant	3,560.32	483.64
33 14 19 00-0251		Fire Hydrant Extension Kits (33 14 19 00-0174)		
33 14 19 00-0252	EA	6" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	554.67	26.87
33 14 19 00-0253	EA	12" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	659.09	33.58
33 14 19 00-0254	EA	18" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	718.98	40.31
33 14 19 00-0255	EA	24" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	817.32	49.71
33 14 19 00-0256	EA	30" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	1,233.61	51.72
33 14 19 00-0257	EA	36" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	1,317.53	53.74
33 14 19 00-0258	EA	42" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	1,337.61	56.42
33 14 19 00-0259	EA	48" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	1,412.83	60.45
33 14 19 00-0260	EA	54" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	1,557.75	72.55
33 14 19 00-0261	EA	60" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	1,644.15	87.32
33 14 19 00-0262	EA	6" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	617.03	30.10
33 14 19 00-0263	EA	12" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	730.72	36.55
33 14 19 00-0264	EA	18" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	838.55	44.06
33 14 19 00-0265	EA	24" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	937.55	54.81
33 14 19 00-0266	EA	30" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	1,283.29	56.97
33 14 19 00-0267	EA	36" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	1,368.28	59.11
33 14 19 00-0268	EA	42" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	1,426.83	62.34
33 14 19 00-0269	EA	48" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	1,668.75	66.63
33 14 19 00-0270	EA	54" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	1,829.03	79.53
33 14 19 00-0271	EA	60" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	1,922.18	95.65
33 14 19 00-0272		Removal And Reinstallation Of Standard Fire Hydrant (33 14 19 00-0174)		
		Note: Includes all necessary fittings for resetting, storage and cleaning. Excludes excavation, backfill and thrust blocking around fire hydrant.		
33 14 19 00-0273	EA	Up To 5' Burial Section, Removal And Reinstallation Of Fire Hydrant.....	859.80	
33 14 19 00-0274	EA	>5' Burial Section, Removal And Reinstallation Of Fire Hydrant.....	1,253.87	
33 14 19 00-0275	EA	Reset Fire Hydrant Upper Barrel	1,312.73	
		Note: Includes Safety Repair Kit		
33 14 19 00-0276		Yard Hydrants (33 14 19)		
		Note: With 3/4" hose thread outlet.		
33 14 19 00-0277	EA	2' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet.....	374.92	37.28
33 14 19 00-0278	EA	4' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet.....	402.45	37.28
33 14 19 00-0279	EA	6' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet.....	429.97	37.28
33 14 19 00-0280	EA	2' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet.....	347.84	47.22
33 14 19 00-0281	EA	4' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet.....	364.26	47.22
33 14 19 00-0282	EA	6' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet.....	380.67	47.22
33 14 19 00-0283		Sanitary Yard Hydrants (33 14 19)		
		Note: With 3/4" hose thread outlet.		
33 14 19 00-0284	EA	2' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet.....	1,678.81	77.67
33 14 19 00-0285	EA	4' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet.....	1,764.83	77.67
33 14 19 00-0286	EA	6' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet.....	1,850.84	77.67
33 14 19 00-0287		Flushing Hydrants (33 14 19)		

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 14 19 00-0288 EA 2" Inlet x 2-1/2" Outlet Steel Flushing Hydrant, 3' Bury Depth894.18 47.80

33 14 23 Enclosures for Water Utility Piping and Valves (33 14)

Note: Excludes excavation and backfill. See CSI section 22 11 19 00-0464 for Enclosures.

33 14 23 00-0001 Roadway Utility Box (33 14 23)

33 14 23 00-0002 Utility Box (33 14 23 00-0001)

Note: Christy Concrete Products.

33 14 23 00-0003 B3 Utility Box, 9-3/8" x 15-1/2" (33 14 23 00-0002)

33 14 23 00-0004	EA	9-3/8" x 15-1/2" Precast Concrete Utility Box.....	124.64	56.60
33 14 23 00-0005	EA	Cast Iron Lid For 9-3/8" x 15-1/2" Utility Box.....	125.36	6.29
33 14 23 00-0006	EA	Reinforced Concrete Lid For 9-3/8" x 15-1/2" Utility Box.....	52.25	6.29
33 14 23 00-0007	EA	Steel Checkered Plate Cover For 9-3/8" x 15-1/2" Utility Box.....	273.99	6.29
33 14 23 00-0008	EA	12-1/8" x 18-5/8" Reinforced Concrete Slab For 9-3/8" x 15-1/2" Utility Box.....	74.14	12.58
33 14 23 00-0009	EA	3" High Reinforced Concrete Base For 9-3/8" x 15-1/2" Utility Box.....	106.44	12.58

33 14 23 00-0010 B9 Utility Box, 10-1/4" x 17-1/4" (33 14 23 00-0002)

33 14 23 00-0011	EA	10-1/4" x 17-1/4" Precast Concrete Utility Box.....	151.27	75.47
33 14 23 00-0012	EA	Cast Iron Lid For 10-1/4" x 17-1/4" Utility Box.....	146.85	7.54
33 14 23 00-0013	EA	Reinforced Concrete Lid For 10-1/4" x 17-1/4" Utility Box.....	58.00	7.54
33 14 23 00-0014	EA	Steel Checkered Plate Cover For 10-1/4" x 17-1/4" Utility Box.....	287.44	6.29
33 14 23 00-0015	EA	13" x 19-3/4" Reinforced Concrete Slab For 10-1/4" x 17-1/4" Utility Box.....	83.02	12.58
33 14 23 00-0016	EA	5-3/4" High Reinforced Concrete Base For 10-1/4" x 17-1/4" Utility Box.....	111.23	18.87
33 14 23 00-0017	EA	12" High Reinforced Concrete Extension For 10-1/4" x 17-1/4" Utility Box.....	132.04	34.59

33 14 23 00-0018 B12 Utility Box, 12" x 20" (33 14 23 00-0002)

33 14 23 00-0019	EA	12" x 20" Precast Concrete Utility Box.....	166.29	81.76
33 14 23 00-0020	EA	Cast Iron Lid For 12" x 20" Utility Box.....	264.34	9.44
33 14 23 00-0021	EA	Reinforced Concrete Lid For 12" x 20" Utility Box.....	77.84	12.58
33 14 23 00-0022	EA	Steel Checkered Plate Cover For 12" x 20" Utility Box.....	386.67	12.58
33 14 23 00-0023	EA	12" High Reinforced Concrete Extension For 12" x 20" Utility Box.....	172.15	44.02

33 14 23 00-0024 B16 Utility Box, 12" x 22-1/4" (33 14 23 00-0002)

33 14 23 00-0025	EA	12" x 22-1/4" Precast Concrete Utility Box.....	191.42	95.59
33 14 23 00-0026	EA	Cast Iron Lid For 12" x 22-1/4" Utility Box.....	298.72	12.58
33 14 23 00-0027	EA	Reinforced Concrete Lid For 12" x 22-1/4" Utility Box.....	96.15	12.58
33 14 23 00-0028	EA	Steel Checkered Plate Cover For 12" x 22-1/4" Utility Box.....	388.86	12.58
33 14 23 00-0029	EA	16" x 27" Reinforced Concrete Slab For 12" x 22-1/4" Utility Box.....	135.09	21.39
33 14 23 00-0030	EA	12" High Reinforced Concrete Extension For 12" x 22-1/4" Utility Box.....	175.19	44.02

33 14 23 00-0031 B30 Utility Box, 13-1/4" x 24" (33 14 23 00-0002)

33 14 23 00-0032	EA	13-1/4" x 24" Precast Concrete Utility Box (Christy B30BOX).....	230.58	113.20
33 14 23 00-0033	EA	Reinforced Concrete Lid For 13-1/4" x 24" Utility Box (Christy B30D).....	129.57	20.13
33 14 23 00-0034	EA	Steel Checkered Plate Cover For 13-1/4" x 24" Utility Box (Christy B30-61G).....	480.75	16.35
33 14 23 00-0035	EA	16" x 27" Reinforced Concrete Slab For 13-1/4" x 24" Utility Box (Christy B30SL).....	135.09	21.39
33 14 23 00-0036	EA	5-1/2" High Reinforced Concrete Base For 13-1/4" x 24" Utility Box (Christy B30BA).....	206.99	35.22
33 14 23 00-0037	EA	6" High Reinforced Concrete Extension For 13-1/4" x 24" Utility Box (Christy B30X6).....	161.59	23.90
33 14 23 00-0038	EA	12" High Reinforced Concrete Extension For 13-1/4" x 24" Utility Box (Christy B30X12).....	226.99	56.60

33 14 23 00-0039 B36 Utility Box, 17-1/4" x 30" (33 14 23 00-0002)

33 14 23 00-0040	EA	17-1/4" x 30" Precast Concrete Utility Box (Christy B36BOX).....	301.30	143.39
33 14 23 00-0041	EA	Reinforced Concrete Lid For 17-1/4" x 30" Utility Box (Christy B36D).....	211.15	34.59
33 14 23 00-0042	EA	Steel Checkered Plate Cover For 17-1/4" x 30" Utility Box (Christy B36-61D).....	602.69	23.90
33 14 23 00-0043	EA	20" x 34" Reinforced Concrete Slab For 17-1/4" x 30" Utility Box (Christy B36SL).....	190.49	45.28
33 14 23 00-0044	EA	6" High Reinforced Concrete Base For 17-1/4" x 30" Utility Box (Christy B36BA).....	321.94	50.31
33 14 23 00-0045	EA	12" High Reinforced Concrete Extension For 17-1/4" x 30" Utility Box (Christy B36X12).....	303.04	72.95

33 14 23 00-0046 B40 Utility Box, 24-1/2" x 36" (33 14 23 00-0002)

33 14 23 00-0047	EA	24-1/2" x 36" Precast Concrete Utility Box.....	622.81	221.38
33 14 23 00-0048	EA	Reinforced Concrete Lid For 24-1/2" x 36" Utility Box.....	577.63	83.01
33 14 23 00-0049	EA	Steel Checkered Plate Cover For 24-1/2" x 36" Utility Box.....	856.09	36.47
33 14 23 00-0050	EA	30" x 40" Reinforced Concrete Slab For 24-1/2" x 36" Utility Box.....	472.45	77.99
33 14 23 00-0051	EA	10" High Reinforced Concrete Extension For 24-1/2" x 36" Utility Box.....	501.23	81.76

33 14 23 00-0052 B48 Utility Box, 30-1/4" x 48-1/4" (33 14 23 00-0002)

33 14 23 00-0053	EA	30-1/4" x 48-1/4" Precast Concrete Utility Box.....	788.10	251.56
33 14 23 00-0054	EA	1 Piece Reinforced Concrete Lid For 30-1/4" x 48-1/4" Utility Box.....	796.56	137.10
33 14 23 00-0055	EA	2 Piece Reinforced Concrete Lid For 30-1/4" x 48-1/4" Utility Box.....	1,003.81	137.10
33 14 23 00-0056	EA	2 Piece Steel Checkered Plate Cover For 30-1/4" x 48-1/4" Utility Box.....	1,355.40	62.89
33 14 23 00-0057	EA	36" x 53" Reinforced Concrete Slab For 30-1/4" x 48-1/4" Utility Box.....	687.46	169.80
33 14 23 00-0058	EA	10" High Reinforced Concrete Extension For 30-1/4" x 48-1/4" Utility Box.....	619.71	114.46

33 14 23 00-0059 Roadway Or Curb Valve Boxes (33 14 23)

33 14 23 00-0060		Round Head, Cast Iron Service, Roadway Or Valve Boxes (33 14 23 00-0059)		
33 14 23 00-0061	EA	36" To 48" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box.....	239.79	15.10
		Note: Includes cover, top section and bottom section.		
33 14 23 00-0062	EA	36" To 54" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box.....	278.50	15.10
		Note: Includes cover, top section and bottom section.		
33 14 23 00-0063	EA	42" To 60" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box.....	280.28	15.10
		Note: Includes cover, top section and bottom section.		
33 14 23 00-0064	EA	9" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box.....	72.17	7.55
33 14 23 00-0065	EA	16" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box.....	82.42	7.55
33 14 23 00-0066	EA	24" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box.....	97.84	7.55
33 14 23 00-0067	EA	36" To 48" High, Screw Type, 4-1/4" Shaft, Round Head, Cast Iron Roadway Box.....	361.46	18.88
		Note: Includes cover, top section and bottom section.		
33 14 23 00-0068	EA	45" To 54" High, Three Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box.....	625.87	26.43
		Note: Includes cover, top section, bottom section and #6 round base.		
33 14 23 00-0069	EA	45" To 66" High, Three Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box.....	698.08	26.43
		Note: Includes cover, top section, bottom section and #6 round base.		
33 14 23 00-0070	EA	24" To 36" High, Two Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box.....	375.78	18.88
		Note: Includes cover, top section and bottom section.		
33 14 23 00-0071	EA	36" To 48" High, Two Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box.....	393.04	18.88
		Note: Includes cover, top section and bottom section.		
33 14 23 00-0072	EA	24" To 36" High, Two Piece, Slip Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box.....	379.86	18.88
		Note: Includes cover, top section and bottom section.		
33 14 23 00-0073	EA	12" Extension For Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box.....	137.70	7.55
33 14 23 00-0074	EA	18" To 24" High Round Head Cast Iron Roadway Or Curb Valve Boxes.....	231.95	31.07
33 14 23 00-0075	EA	22" To 28" High Round Head Cast Iron Roadway Or Curb Valve Boxes.....	239.78	32.31
33 14 23 00-0076	EA	30" To 36" High Round Head Cast Iron Roadway Or Curb Valve Boxes.....	266.89	33.55
33 14 23 00-0077	EA	36" To 48" High Round Head Cast Iron Roadway Or Curb Valve Box.....	366.17	35.42
33 14 23 00-0078	EA	48" To 60" High Round Head Cast Iron Roadway Or Curb Valve Boxes.....	441.37	37.28
33 14 23 00-0079	EA	18" Cast Iron Service Box Extension Section.....	103.35	

33 14 23 00-0080		Plastic Roadway Grade Water Meter Box And Cover (33 14 23 00-0059)		
33 14 23 00-0081	EA	12" Wide x 16" Long x 16" Deep Plastic Meter Box And Cover.....	395.30	43.49
33 14 23 00-0082	EA	9-3/4" Wide x 19-1/4" Long x 16" Deep Oval Plastic Meter Box And Cover.....	298.26	31.07
33 14 23 00-0083	EA	Cast Iron Lid For Plastic Meter Box.....	90.76	

33 14 23 00-0084		Traffic Valve Box And Lid (33 14 23 00-0059)		
33 14 23 00-0085	EA	10-3/8" ID x 12" Traffic Valve Box And 11" OD Cast Iron Lid (Christy G-5).....	227.81	
33 14 23 00-0086	EA	14-1/2" ID x 12" Traffic Valve Box And 13-1/4" OD Cast Iron Lid (Christy G-12).....	740.73	

33 16 Water Utility Storage Tanks (33 10)

33 16 23		Ground-Level Steel Water Storage Tanks (33 16)		
		See CSI section 23 13 23 16-0000 for aboveground steel storage tanks.		

33 19 Water Utility Metering Equipment (33 10)

33 19 13 Positive Displacement Water Meters (33 19)

33 19 13 23 Nutating Disc Water Meters (33 19 13)

33 19 13 23-0001		Bronze Disk Type Water Service Meters (33 19 13 23)		
33 19 13 23-0002	EA	5/8" Diameter, 0 To 20 GPM, Screwed, Disk Type, Bronze Water Supply Meter.....	321.33	64.61
33 19 13 23-0003	EA	3/4" Diameter, 0 To 30 GPM, Screwed, Disk Type, Bronze Water Supply Meter.....	403.81	77.04
33 19 13 23-0004	EA	1" Diameter, 0 To 50 GPM, Screwed, Disk Type, Bronze Water Supply Meter.....	541.99	88.22
33 19 13 23-0005	EA	1-1/2" Diameter, 0 To 100 GPM, Screwed, Disk Type, Bronze Water Supply Meter.....	1,053.75	131.72
33 19 13 23-0006	EA	2" Diameter, 0 To 160 GPM, Screwed, Disk Type, Bronze Water Supply Meter.....	1,427.67	171.48

33 19 13 23-0007 Magnetic Driven, Positive Displacement Type Water Service Meters (33 19 13 23)

33 19 13 23-0008	EA	5/8" Diameter Transmitting Water Supply Meter, Screwed, 150 PSI Max. (Neptune T10 E-Coder/R900i).....	599.64	64.61
		For Owner Furnished Material, Deduct	-534.24	
33 19 13 23-0009	EA	3/4" Diameter Transmitting Water Supply Meter, Screwed, 150 PSI Max. (Neptune T10 E-Coder/R900i).....	683.70	77.04
		For Owner Furnished Material, Deduct	-606.03	
33 19 13 23-0010	EA	1" Diameter Transmitting Water Supply Meter, Screwed, 150 PSI Max. (Neptune T10 E-Coder/R900i).....	1,018.64	88.22
		For Owner Furnished Material, Deduct	-929.88	
33 19 13 23-0011	EA	1-1/2" Diameter Transmitting Water Supply Meter, Screwed, 150 PSI Max. (Neptune T10 E-Coder/R900i).....	1,724.33	131.72
		For Owner Furnished Material, Deduct	-1,592.14	
33 19 13 23-0012	EA	2" Diameter Transmitting Water Supply Meter, Screwed, 150 PSI Max. (Neptune T10 E-Coder/R900i).....	2,134.56	171.48
		For Owner Furnished Material, Deduct	-1,961.97	
33 19 13 23-0013	EA	Electronic Transmitter.....	486.34	31.07
		Note: For use with transmitting meter valve.		
		For Owner Furnished Material, Deduct	-455.27	

33 19 16 Velocity-Type Water Meters (33 19)

33 19 16 13 Single-Jet Water Meters (33 19 16)

33 19 16 13-0001		Small/Large Spectrum Water Service Meter (33 19 16 13)		
		Note: Metron-Farnier.		
33 19 16 13-0002	EA	1-1/2" Diameter, 0 - 100 GPM, Flanged, Spectrum Water Meter.....	1,890.49	130.47
		Note: Metron-Farnier #Spectrum 50.		
33 19 16 13-0003	EA	2" Diameter, 0 - 125 GPM, Flanged, Spectrum Water Meter.....	2,709.31	165.65
		Note: Metron-Farnier #Spectrum 88.		

33 Utilities**33 10 Water Utilities****33 19 Water Utility Metering Equipment**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 19 16 13-0004	EA	2" Diameter, 0 - 185 GPM, Flanged, Spectrum Water Meter..... Note: Metron-Farnier #Spectrum 130.	3,272.18	165.65
33 19 16 13-0005	EA	3" Diameter, 0 - 320 GPM, Flanged, Spectrum Water Meter..... Note: Metron-Farnier #Spectrum 175.	4,396.25	194.52
33 19 16 13-0006	EA	3" Diameter, 0 - 520 GPM, Flanged, Spectrum Water Meter..... Note: Metron-Farnier #Spectrum 260.	4,567.67	194.52
33 19 16 13-0007	EA	4" Diameter, 0 - 520 GPM, Flanged, Spectrum Water Meter..... Note: Metron-Farnier #Spectrum 260.	6,376.13	304.36
33 19 16 13-0008	EA	4" Diameter, 0 - 750 GPM, Flanged, Spectrum Water Meter..... Note: Metron-Farnier #Spectrum 440.	10,508.10	304.36
33 19 16 13-0009	EA	6" Diameter, 0 - 750 GPM, Flanged, Spectrum Water Meter..... Note: Metron-Farnier #Spectrum 440.	13,186.33	411.91
33 19 16 13-0010	EA	8" Diameter, 0 - 750 GPM, Flanged, Spectrum Water Meter..... Note: Metron-Farnier #Spectrum 440.	16,390.07	526.33

33 19 16 23 Turbine Water Meters (33 19 16)**33 19 16 23-0001 Flanged Turbine Water Service Meter (33 19 16 23)****33 19 16 23-0002 Vertical Turbine Meters (33 19 16 23-0001)**

33 19 16 23-0003	EA	1-1/2" Diameter, 0 - 100 GPM Vertical Turbine Meter, Flanged.....	1,144.57	120.14
33 19 16 23-0004	EA	2" Diameter, 0 - 160 GPM Vertical Turbine Meter, Flanged.....	1,607.60	152.52
33 19 16 23-0005	EA	3" Diameter, 0 - 350 GPM Vertical Turbine Meter, Flanged.....	2,993.69	194.52
33 19 16 23-0006	EA	4" Diameter, 0 - 650 GPM Vertical Turbine Meter, Flanged.....	4,465.96	304.36
33 19 16 23-0007	EA	6" Diameter, 0 - 1,300 GPM Vertical Turbine Meter, Flanged.....	8,444.94	411.91

33 19 16 23-0008 Horizontal Turbine Meters (33 19 16 23-0001)

33 19 16 23-0009	EA	1-1/2" Diameter, 0 - 120 GPM Horizontal Turbine Meter, Flanged.....	1,807.25	120.14
33 19 16 23-0010	EA	2" Diameter, 0 - 160 GPM Horizontal Turbine Meter, Flanged.....	2,553.66	152.52
33 19 16 23-0011	EA	3" Diameter, 0 - 600 GPM Horizontal Turbine Meter, Flanged.....	3,372.98	194.52
33 19 16 23-0012	EA	4" Diameter, 0 - 1,000 GPM Horizontal Turbine Meter, Flanged.....	4,967.33	304.36
33 19 16 23-0013	EA	6" Diameter, 0 - 2,000 GPM Horizontal Turbine Meter, Flanged.....	10,271.65	411.91
33 19 16 23-0014	EA	8" Diameter, 0 - 3,500 GPM Horizontal Turbine Meter, Flanged.....	13,737.21	526.33
33 19 16 23-0015	EA	10" Diameter, 0 - 5,500 GPM Horizontal Turbine Meter, Flanged.....	19,188.92	640.76
33 19 16 23-0016	EA	12" Diameter, 0 - 6,600 GPM Horizontal Turbine Meter, Flanged.....	23,133.57	1,010.33

33 19 19 Compound Water Meters (33 19)**33 19 19 00-0001 Flanged Compound Type Water Service Meter (33 19 19)**

33 19 19 00-0002	EA	2" Diameter, 0 To 160 GPM, Flanged And Bronze, Compound Type Water Service Meter.....	4,825.06	152.52
33 19 19 00-0003	EA	3" Diameter, 0 To 320 GPM, Flanged And Bronze, Compound Type Water Service Meter.....	5,862.37	194.52
33 19 19 00-0004	EA	4" Diameter, 0 To 500 GPM, Flanged And Bronze, Compound Type Water Service Meter.....	9,693.25	304.36
33 19 19 00-0005	EA	6" Diameter, 0 To 1,000 GPM, Flanged And Bronze, Compound Type Water Service Meter.....	13,558.87	411.91
33 19 19 00-0006	EA	8" Diameter, 0 To 1,600 GPM, Flanged And Bronze, Compound Type Water Service Meter.....	27,901.88	526.33
33 19 19 00-0007	EA	10" Diameter, 0 To 2,500 GPM, Flanged And Bronze, Compound Type Water Service Meter.....	47,814.71	640.76

33 19 23 Magnetic Water Meters (33 19)**33 19 23 00-0001 Flanged Electromagnetic Flow (EMF) Water Meter (33 19 23)**

33 19 23 00-0002	EA	2" Diameter, Flanged, Stainless Steel, Electromagnetic Flow (EMF) Water Meter (Sensus Accu-MAG).....	8,999.90	152.52
33 19 23 00-0003	EA	3" Diameter, Flanged, Stainless Steel, Electromagnetic Flow (EMF) Water Meter (Sensus Accu-MAG).....	12,688.20	194.52
33 19 23 00-0004	EA	4" Diameter, Flanged, Stainless Steel, Electromagnetic Flow (EMF) Water Meter (Sensus Accu-MAG).....	14,565.64	304.36

33 19 26 Ultrasonic Water Meters (33 19)**33 19 26 00-0001 Ultrasonic Water Service Meters (Mastermeter Octive) (33 19 26)**

33 19 26 00-0002	EA	3" Diameter, Ductile Iron Body, Flanged, Ultrasonic Water Meter (Mastermeter Octive).....	4,547.77	194.52
33 19 26 00-0003	EA	4" Diameter, Ductile Iron Body, Flanged, Ultrasonic Water Meter (Mastermeter Octive).....	5,241.22	304.36
33 19 26 00-0004	EA	6" Diameter, Ductile Iron Body, Flanged, Ultrasonic Water Meter (Mastermeter Octive).....	7,712.95	411.91
33 19 26 00-0005	EA	8" Diameter, Ductile Iron Body, Flanged, Ultrasonic Water Meter (Mastermeter Octive).....	11,109.91	526.33

33 30 Sanitary Sewerage Utilities (33)**33 31 Sanitary Sewerage Piping (33 30)****33 31 11 Public Sanitary Sewerage Gravity Piping (33 31)**

Note: Piping includes hydrostatic testing, disinfecting and warning tape. Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 31 11 00-0001 Plastic Sewer And Drain Piping (33 31 11)

Note: Includes detectable tracer wire.

33 31 11 00-0002 Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe (33 31 11 00-0001)

33 31 11 00-0003	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe.....	10.82	4.21
33 31 11 00-0004	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe.....	13.21	4.97
33 31 11 00-0005	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe.....	18.77	6.01
33 31 11 00-0006	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe.....	23.75	7.02
33 31 11 00-0007	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe.....	33.27	8.16
33 31 11 00-0008	LF	8" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe.....	45.40	9.49
33 31 11 00-0009	LF	10" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe.....	63.74	9.82
33 31 11 00-0010	LF	12" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe.....	85.18	10.17

Utilities			33
Sanitary Sewerage Utilities			33 30
Sanitary Sewerage Piping			33 31
MINOR	CSI	UOM	DESCRIPTION
			TOTAL DIRECT UNIT COST
			DEMOLITION UNIT COST

33 31 11 00-0011	Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe (33 31 11 00-0001)			
	Note: D-2729 PVC pipe.			
33 31 11 00-0012	LF	3" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe	13.74	6.01
33 31 11 00-0013	LF	4" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe	16.18	7.02
33 31 11 00-0014	LF	6" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe	20.52	8.16
33 31 11 00-0015	Polyvinyl Chloride (PVC) Sewer And Drain Fittings (33 31 11 00-0001)			
33 31 11 00-0016	1/4 Bends, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)			
33 31 11 00-0017	EA	1-1/2" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	30.01	14.48
33 31 11 00-0018	EA	2" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	38.55	18.73
33 31 11 00-0019	EA	3" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	70.43	25.15
33 31 11 00-0020	EA	4" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	112.81	29.08
33 31 11 00-0021	EA	6" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	478.13	37.79
33 31 11 00-0022	EA	8" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	798.06	50.86
33 31 11 00-0023	EA	10" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	1,053.31	67.73
33 31 11 00-0024	1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)			
33 31 11 00-0025	EA	1-1/2" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	31.92	14.48
33 31 11 00-0026	EA	2" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	38.39	18.73
33 31 11 00-0027	EA	3" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	67.56	25.15
33 31 11 00-0028	EA	4" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	98.80	29.08
33 31 11 00-0029	EA	6" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	442.47	37.79
33 31 11 00-0030	EA	8" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	715.18	50.86
33 31 11 00-0031	EA	10" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	809.49	67.73
33 31 11 00-0032	EA	12" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	1,206.97	90.21
33 31 11 00-0033	Long Sweep 1/4 Bends, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)			
33 31 11 00-0034	EA	1-1/2" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	53.25	14.27
33 31 11 00-0035	EA	2" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	51.92	18.73
33 31 11 00-0036	EA	3" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	104.81	25.15
33 31 11 00-0037	EA	4" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	175.86	29.08
33 31 11 00-0038	EA	6" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	356.35	37.79
33 31 11 00-0039	EA	8" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	638.02	50.86
33 31 11 00-0040	EA	10" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	1,050.44	67.73
33 31 11 00-0041	EA	12" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	1,596.91	90.21
33 31 11 00-0042	1/16 Bends, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)			
33 31 11 00-0043	EA	1-1/2" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	36.00	14.48
33 31 11 00-0044	EA	2" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	42.53	18.73
33 31 11 00-0045	EA	3" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	79.47	25.15
33 31 11 00-0046	EA	4" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	120.90	29.08
33 31 11 00-0047	EA	6" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	596.76	37.79
33 31 11 00-0048	EA	8" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	970.75	50.86
33 31 11 00-0049	EA	10" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	1,092.63	67.73
33 31 11 00-0050	EA	12" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	1,112.60	90.21
33 31 11 00-0051	Reducers, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)			
33 31 11 00-0052	EA	2" x 1-1/2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	41.39	16.53
33 31 11 00-0053	EA	3" x 1-1/2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	82.47	19.73
33 31 11 00-0054	EA	3" x 2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	76.93	21.76
33 31 11 00-0055	EA	4" x 2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	123.28	23.78
33 31 11 00-0056	EA	4" x 3" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	132.05	26.98
33 31 11 00-0057	EA	6" x 4" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	421.56	33.40
33 31 11 00-0058	EA	8" x 6" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	904.99	44.28
33 31 11 00-0059	EA	10" x 4" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	218.61	48.35
33 31 11 00-0060	EA	10" x 6" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	306.97	52.74
33 31 11 00-0061	EA	10" x 8" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	284.37	59.23
33 31 11 00-0062	EA	12" x 6" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	934.81	64.02
33 31 11 00-0063	EA	12" x 8" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	986.42	70.51
33 31 11 00-0064	EA	12" x 10" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	1,043.15	78.97
33 31 11 00-0065	Sanitary Tees, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)			
33 31 11 00-0066	EA	1-1/2" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain	47.60	21.89
33 31 11 00-0067	EA	2" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain	63.56	28.31
33 31 11 00-0068	EA	3" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain	112.43	37.35
33 31 11 00-0069	EA	4" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain	176.99	46.39
33 31 11 00-0070	EA	6" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain	701.28	50.86
33 31 11 00-0071	EA	8" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain	909.67	67.73
33 31 11 00-0072	Wyes, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)			
33 31 11 00-0073	EA	1-1/2" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	62.40	21.89
33 31 11 00-0074	EA	2" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	72.16	28.31
33 31 11 00-0075	EA	3" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	123.41	37.35
33 31 11 00-0076	EA	4" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	194.98	46.39

33 Utilities**33 30 Sanitary Sewerage Utilities****33 31 Sanitary Sewerage Piping**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 31 11 00-0077	EA	6" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	633.78	50.86
33 31 11 00-0078	EA	8" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	781.44	67.73
33 31 11 00-0079	EA	10" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	1,027.56	90.38
33 31 11 00-0080	EA	12" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	1,629.81	120.61

33 31 11 00-0081 Reducing Wyes, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)

33 31 11 00-0082	EA	2" x 1-1/2" x 1-1/2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain	85.65	21.89
33 31 11 00-0083	EA	2" x 2" x 1" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain	94.77	28.31
33 31 11 00-0084	EA	3" x 3" x 2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain	108.13	37.35
33 31 11 00-0085	EA	4" x 4" x 2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain	170.30	46.39
33 31 11 00-0086	EA	4" x 4" x 3" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain	187.18	46.39

33 31 11 00-0087 Double Wyes, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)

33 31 11 00-0088	EA	1-1/2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain	105.43	28.31
33 31 11 00-0089	EA	2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain	137.10	37.35
33 31 11 00-0090	EA	3" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain	284.93	50.42
33 31 11 00-0091	EA	4" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain	515.91	60.98
33 31 11 00-0092	EA	2" x 2" x 1-1/2" x 1-1/2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain	130.10	37.35
33 31 11 00-0093	EA	3" x 3" x 2" x 2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain	231.44	50.42
33 31 11 00-0094	EA	4" x 4" x 3" x 3" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain	427.56	60.98

33 31 11 00-0095 Combination Wye And 1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)

33 31 11 00-0096	EA	1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	80.87	21.89
33 31 11 00-0097	EA	2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	100.97	28.31
33 31 11 00-0098	EA	3" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	210.01	37.35
33 31 11 00-0099	EA	4" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	389.20	46.39
33 31 11 00-0100	EA	2" x 2" x 1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	163.70	28.31
33 31 11 00-0101	EA	3" x 3" x 1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	266.83	37.35
33 31 11 00-0102	EA	3" x 3" x 2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	187.79	37.35
33 31 11 00-0103	EA	4" x 4" x 2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	362.57	46.39
33 31 11 00-0104	EA	4" x 4" x 3" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	386.93	46.39

33 31 11 00-0105 Double Combination Wye And 1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)

33 31 11 00-0106	EA	1-1/2" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	119.76	28.31
33 31 11 00-0107	EA	2" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	138.69	37.35
33 31 11 00-0108	EA	3" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	219.18	50.42
33 31 11 00-0109	EA	4" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	848.01	60.98
33 31 11 00-0110	EA	6" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	2,847.81	67.51

33 31 11 00-0111 Cleanout Tees With Plug, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)

33 31 11 00-0112	EA	4" Polyvinyl Chloride (PVC) Cleanout Tees With Plug, Sewer And Drain	641.83	115.70
33 31 11 00-0113	EA	6" Polyvinyl Chloride (PVC) Cleanout Tees With Plug, Sewer And Drain	1,584.55	149.27
33 31 11 00-0114	EA	8" Polyvinyl Chloride (PVC) Cleanout Tees With Plug, Sewer And Drain	2,009.71	210.34
33 31 11 00-0115	EA	10" Polyvinyl Chloride (PVC) Cleanout Tees With Plug, Sewer And Drain	2,754.61	338.36

33 31 11 00-0116 Couplings, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)

33 31 11 00-0117	EA	1-1/2" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	29.00	14.48
33 31 11 00-0118	EA	2" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	35.99	18.62
33 31 11 00-0119	EA	3" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	58.21	24.94
33 31 11 00-0120	EA	4" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	77.66	29.08
33 31 11 00-0121	EA	6" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	244.93	37.79
33 31 11 00-0122	EA	8" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	619.90	50.86
33 31 11 00-0123	EA	10" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	944.11	67.73
33 31 11 00-0124	EA	12" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	1,570.57	90.21

33 31 11 00-0125 Adapters, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)

33 31 11 00-0126	EA	4" Male, Plastic Pipe x Malleable Iron Pipe Adapter, Drain And Sewer Fitting	145.11	80.33
33 31 11 00-0127	EA	2" x 3" x 3" Downspout Adapter, Drain And Sewer Fitting	99.94	61.10
33 31 11 00-0128	EA	2" x 3" x 4" Downspout Adapter, Drain And Sewer Fitting	103.54	61.10
33 31 11 00-0129	EA	3" x 4" x 4" Downspout Adapter, Drain And Sewer Fitting	113.09	61.10
33 31 11 00-0130	EA	4" Hub, Cast Iron Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting	147.73	80.33
33 31 11 00-0131	EA	4" Spigot, Clay Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting	140.09	80.33
33 31 11 00-0132	EA	4" Spigot, Fiberglass Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting	127.54	80.33
33 31 11 00-0133	EA	4" Drain Grate, Drain And Sewer Fitting	71.29	41.30

33 31 11 00-0134 Caps, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)

33 31 11 00-0135	EA	3" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting	45.26	15.57
33 31 11 00-0136	EA	4" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting	78.71	19.38
33 31 11 00-0137	EA	6" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting	156.32	25.05

33 31 11 00-0138 Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0139	EA		1-1/2" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain.....	26.10	14.48
33 31 11 00-0140	EA		2" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain.....	34.04	18.73
33 31 11 00-0141	EA		3" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain.....	51.98	25.15
33 31 11 00-0142	EA		4" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain.....	70.85	29.08
33 31 11 00-0143	EA		6" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain.....	128.77	37.79
33 31 11 00-0144	EA		8" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain.....	540.21	50.86
33 31 11 00-0145 Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe (33 31 11 00-0001)					
Note: ASTM 3034.					
33 31 11 00-0146	LF		4" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	18.23	7.02
			For SDR 26, Add	0.82	
33 31 11 00-0147	LF		6" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	24.32	8.16
			For SDR 26, Add	1.57	
33 31 11 00-0148	LF		8" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	32.58	9.49
			For SDR 26, Add	2.67	
33 31 11 00-0149	LF		10" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	40.06	9.82
			For SDR 26, Add	4.00	
33 31 11 00-0150	LF		12" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	49.07	10.17
			For SDR 26, Add	5.63	
33 31 11 00-0151	LF		15" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	64.16	10.53
			For SDR 26, Add	8.45	
33 31 11 00-0152	LF		18" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	81.42	10.92
33 31 11 00-0153	LF		21" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	105.86	11.85
33 31 11 00-0154	LF		24" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	128.47	12.79
33 31 11 00-0155	LF		27" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	159.79	15.00
33 31 11 00-0156 Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe (33 31 11 00-0001)					
Note: ASTM 3034.					
33 31 11 00-0157	LF		4" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe.....	18.03	7.02
			For SDR 26, Add	0.78	
33 31 11 00-0158	LF		6" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe.....	24.33	8.16
			For SDR 26, Add	1.57	
33 31 11 00-0159	LF		8" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe.....	32.98	9.49
			For SDR 26, Add	2.74	
33 31 11 00-0160 Gasketed SDR 35 Polyvinyl Chloride (PVC) Fittings (33 31 11 00-0001)					
Note: ASTM 3034.					
33 31 11 00-0161 1/4 Bends, Gasketed SDR 35 Polyvinyl Chloride (PVC) (33 31 11 00-0160)					
33 31 11 00-0162	EA		4" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	85.85	26.49
			For SDR 26, Add	4.00	
33 31 11 00-0163	EA		6" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	128.03	30.80
			For SDR 26, Add	7.36	
33 31 11 00-0164	EA		8" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	270.65	34.90
			For SDR 26, Add	20.37	
33 31 11 00-0165	EA		10" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	781.98	41.07
			For SDR 26, Add	68.50	
33 31 11 00-0166	EA		12" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,010.56	52.36
			For SDR 26, Add	88.64	
33 31 11 00-0167 1/8 Bends, Gasketed SDR 35 Polyvinyl Chloride (PVC) (33 31 11 00-0160)					
33 31 11 00-0168	EA		4" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	77.28	26.49
			For SDR 26, Add	3.18	
33 31 11 00-0169	EA		6" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	118.58	30.80
			For SDR 26, Add	6.46	
33 31 11 00-0170	EA		8" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	246.76	34.90
			For SDR 26, Add	18.07	
33 31 11 00-0171	EA		10" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	556.99	41.07
			For SDR 26, Add	46.90	
33 31 11 00-0172	EA		12" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	796.63	52.36
			For SDR 26, Add	68.10	
33 31 11 00-0173	EA		15" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,711.63	73.91
			For SDR 26, Add	152.49	
33 31 11 00-0174	EA		18" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	2,716.90	104.71
33 31 11 00-0175	EA		21" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	4,536.74	138.59
33 31 11 00-0176	EA		24" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	6,186.32	184.78
33 31 11 00-0177 Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC) (33 31 11 00-0160)					
33 31 11 00-0178	EA		4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	129.98	39.73
			For SDR 26, Add	6.12	
33 31 11 00-0179	EA		6" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	211.42	44.04
			For SDR 26, Add	13.25	
33 31 11 00-0180	EA		6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	237.94	46.19
			For SDR 26, Add	15.45	
33 31 11 00-0181	EA		8" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	262.95	48.35
			For SDR 26, Add	17.51	
33 31 11 00-0182	EA		8" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	301.66	50.50
			For SDR 26, Add	20.88	
33 31 11 00-0183	EA		8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	582.64	52.66
			For SDR 26, Add	47.51	
33 31 11 00-0184	EA		10" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	747.73	53.89
			For SDR 26, Add	63.16	

33 Utilities**33 30 Sanitary Sewerage Utilities****33 31 Sanitary Sewerage Piping**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
33 31 11 00-0185	EA 10" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)..... <i>For SDR 26, Add</i>	847.99 72.38		56.47	
33 31 11 00-0186	EA 10" x 8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)..... <i>For SDR 26, Add</i>	1,254.88 111.10		58.61	
33 31 11 00-0187	EA 10" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)..... <i>For SDR 26, Add</i>	1,637.23 147.32		61.59	
33 31 11 00-0188	EA 12" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)..... <i>For SDR 26, Add</i>	920.12 77.84		65.60	
33 31 11 00-0189	EA 12" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)..... <i>For SDR 26, Add</i>	977.00 82.95		67.76	
33 31 11 00-0190	EA 12" x 8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)..... <i>For SDR 26, Add</i>	1,397.06 122.93		69.91	
33 31 11 00-0191	EA 12" x 10" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)..... <i>For SDR 26, Add</i>	2,018.24 182.09		72.88	
33 31 11 00-0192	EA 12" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)..... <i>For SDR 26, Add</i>	2,274.82 205.82		78.53	
33 31 11 00-0193 Wyes, Gasketed SDR 35 Polyvinyl Chloride (PVC) (33 31 11 00-0160)					
33 31 11 00-0194	EA 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC) <i>For SDR 26, Add</i>	123.33 5.48		39.73	
33 31 11 00-0195	EA 6" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC) <i>For SDR 26, Add</i>	189.26 11.12		44.04	
33 31 11 00-0196	EA 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC) <i>For SDR 26, Add</i>	208.17 12.59		46.19	
33 31 11 00-0197	EA 8" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	253.45		48.35	
33 31 11 00-0198	EA 8" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	290.32		50.50	
33 31 11 00-0199	EA 8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	447.20		52.66	
33 31 11 00-0200	EA 10" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	683.39		54.31	
33 31 11 00-0201	EA 10" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	696.99		56.47	
33 31 11 00-0202	EA 10" x 8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,051.58		58.61	
33 31 11 00-0203	EA 10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,163.99		61.59	
33 31 11 00-0204	EA 12" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	866.45		65.60	
33 31 11 00-0205	EA 12" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	893.65		67.76	
33 31 11 00-0206	EA 12" x 8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,282.81		69.91	
33 31 11 00-0207	EA 12" x 10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,547.02		72.88	
33 31 11 00-0208	EA 12" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,615.00		78.53	
33 31 11 00-0209	EA 15" x 10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,990.58		94.45	
33 31 11 00-0210	EA 15" x 12" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	2,208.95		100.09	
33 31 11 00-0211	EA 15" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	2,763.37		110.87	
33 31 11 00-0212 Couplings, Gasketed SDR 35 Polyvinyl Chloride (PVC) (33 31 11 00-0160)					
33 31 11 00-0213	EA 4" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC) <i>For SDR 26, Add</i>	85.10 3.93		26.49	
33 31 11 00-0214	EA 6" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC) <i>For SDR 26, Add</i>	133.09 7.85		30.80	
33 31 11 00-0215	EA 8" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC) <i>For SDR 26, Add</i>	197.37 13.33		35.10	
33 31 11 00-0216	EA 10" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC) <i>For SDR 26, Add</i>	376.64 29.58		41.07	
33 31 11 00-0217	EA 12" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC) <i>For SDR 26, Add</i>	535.05 42.99		52.36	
33 31 11 00-0218	EA 15" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC) <i>For SDR 26, Add</i>	1,049.64 88.94		73.91	
33 31 11 00-0219	EA 18" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,977.97		104.71	
33 31 11 00-0220	EA 21" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	3,304.51		138.59	
33 31 11 00-0221	EA 24" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	4,785.43		184.78	
33 31 11 00-0222 Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC) (33 31 11 00-0160)					
33 31 11 00-0223	EA 6" x 4" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)..... <i>For SDR 26, Add</i>	165.25 11.28		28.64	
33 31 11 00-0224	EA 8" x 4" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)..... <i>For SDR 26, Add</i>	237.90 17.91		30.80	
33 31 11 00-0225	EA 8" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)..... <i>For SDR 26, Add</i>	250.83 18.81		32.95	
33 31 11 00-0226	EA 10" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)..... <i>For SDR 26, Add</i>	569.19 48.90		35.93	
33 31 11 00-0227	EA 10" x 8" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)..... <i>For SDR 26, Add</i>	654.52 56.74		38.08	
33 31 11 00-0228	EA 12" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)..... <i>For SDR 26, Add</i>	731.44 63.57		41.57	
33 31 11 00-0229	EA 12" x 8" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)..... <i>For SDR 26, Add</i>	839.92 73.64		43.73	
33 31 11 00-0230	EA 12" x 10" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)..... <i>For SDR 26, Add</i>	963.44 85.02		46.71	
33 31 11 00-0231	EA 15" x 12" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)..... <i>For SDR 26, Add</i>	1,451.31 129.22		63.13	
33 31 11 00-0232 Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC) (33 31 11 00-0160)					
33 31 11 00-0233	EA 6" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)..... <i>For SDR 26, Add</i>	135.96 8.12			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0234	EA		8" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	180.00	
			For SDR 26, Add	11.37	
33 31 11 00-0235	EA		8" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	184.10	
			For SDR 26, Add	11.76	
33 31 11 00-0236	EA		10" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	306.67	
			For SDR 26, Add	22.54	
33 31 11 00-0237	EA		10" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	323.86	
			For SDR 26, Add	24.19	
33 31 11 00-0238	EA		10" x 8" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	619.51	
			For SDR 26, Add	52.57	
33 31 11 00-0239	EA		12" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	348.96	
			For SDR 26, Add	25.12	
33 31 11 00-0240	EA		12" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	381.18	
			For SDR 26, Add	28.22	
33 31 11 00-0241	EA		12" x 8" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	858.50	
			For SDR 26, Add	74.04	
33 31 11 00-0242	EA		12" x 10" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	1,013.62	
			For SDR 26, Add	88.93	
33 31 11 00-0243	EA		15" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	398.97	
			For SDR 26, Add	26.47	
33 31 11 00-0244	EA		15" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	427.08	
			For SDR 26, Add	29.17	
33 31 11 00-0245 Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)					
			(33 31 11 00-0160)		
33 31 11 00-0246	EA		6" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	145.59	
			For SDR 26, Add	9.05	
33 31 11 00-0247	EA		8" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	180.00	
			For SDR 26, Add	11.37	
33 31 11 00-0248	EA		8" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	197.20	
			For SDR 26, Add	13.02	
33 31 11 00-0249	EA		10" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	281.18	
			For SDR 26, Add	20.09	
33 31 11 00-0250	EA		10" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	321.80	
			For SDR 26, Add	23.99	
33 31 11 00-0251	EA		10" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	491.18	
			For SDR 26, Add	40.25	
33 31 11 00-0252	EA		12" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	346.92	
			For SDR 26, Add	24.93	
33 31 11 00-0253	EA		12" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	379.23	
			For SDR 26, Add	28.03	
33 31 11 00-0254	EA		12" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	571.17	
			For SDR 26, Add	46.46	
33 31 11 00-0255	EA		12" x 10" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	696.44	
			For SDR 26, Add	58.48	
33 31 11 00-0256	EA		15" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	397.70	
			For SDR 26, Add	26.35	
33 31 11 00-0257	EA		15" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	417.55	
			For SDR 26, Add	28.26	
33 31 11 00-0258	EA		15" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	701.36	
			For SDR 26, Add	55.50	
33 31 11 00-0259	EA		15" x 10" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	776.96	
			For SDR 26, Add	62.76	
33 31 11 00-0260	EA		15" x 12" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	1,101.87	
			For SDR 26, Add	93.95	
33 31 11 00-0261 Caps, Gasketed SDR 35 Polyvinyl Chloride (PVC)					
			(33 31 11 00-0160)		
33 31 11 00-0262	EA		4" Cap, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	42.96	
			For SDR 26, Add	2.06	
33 31 11 00-0263	EA		6" Cap, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	65.75	
			For SDR 26, Add	3.85	
33 31 11 00-0264	EA		8" Cap, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	139.02	
			For SDR 26, Add	10.39	
33 31 11 00-0265	EA		10" Cap, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	374.43	
			For SDR 26, Add	32.50	
33 31 11 00-0266	EA		12" Cap, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	549.62	
			For SDR 26, Add	48.82	
33 31 11 00-0267 Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe and Fittings					
			(33 31 11 00-0001)		
			Note: ASTM F949.		
33 31 11 00-0268 Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe					
			(11 00-0267)		
33 31 11 00-0269	LF		4" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe.....	16.82	7.02
33 31 11 00-0270	LF		6" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe.....	23.42	8.16
33 31 11 00-0271	LF		8" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe.....	29.63	9.49
33 31 11 00-0272	LF		10" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe.....	34.99	9.82
33 31 11 00-0273	LF		12" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe.....	37.00	10.17
33 31 11 00-0274	LF		15" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe.....	43.42	10.53
33 31 11 00-0275	LF		18" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe.....	55.17	10.92
33 31 11 00-0276	LF		21" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe.....	64.30	11.85
33 31 11 00-0277	LF		24" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe.....	78.68	12.79
33 31 11 00-0278	LF		30" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe.....	112.87	17.21

33 Utilities**33 30 Sanitary Sewerage Utilities****33 31 Sanitary Sewerage Piping**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 31 11 00-0279	1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) (33 31 11 00-0267)		
33 31 11 00-0280	EA	4" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	64.38
33 31 11 00-0281	EA	6" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	87.26
33 31 11 00-0282	EA	8" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	120.85
33 31 11 00-0283	EA	10" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	204.44
33 31 11 00-0284	EA	12" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	220.31
33 31 11 00-0285	EA	15" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	365.55
33 31 11 00-0286	EA	18" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	577.76
33 31 11 00-0287	EA	21" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	818.87
33 31 11 00-0288	EA	24" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	1,059.91
33 31 11 00-0289	EA	30" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	1,396.24

33 31 11 00-0290	1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) (33 31 11 00-0267)		
33 31 11 00-0291	EA	4" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	60.19
33 31 11 00-0292	EA	6" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	81.04
33 31 11 00-0293	EA	8" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	111.81
33 31 11 00-0294	EA	10" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	187.45
33 31 11 00-0295	EA	12" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	202.51
33 31 11 00-0296	EA	15" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	334.12
33 31 11 00-0297	EA	18" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	526.51
33 31 11 00-0298	EA	21" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	742.81
33 31 11 00-0299	EA	24" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	959.16
33 31 11 00-0300	EA	30" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	1,261.79

33 31 11 00-0301	1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) (33 31 11 00-0267)		
33 31 11 00-0302	EA	4" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	53.89
33 31 11 00-0303	EA	6" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	67.93
33 31 11 00-0304	EA	8" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	105.11
33 31 11 00-0305	EA	10" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	132.98
33 31 11 00-0306	EA	12" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	183.64
33 31 11 00-0307	EA	15" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	300.72
33 31 11 00-0308	EA	18" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	438.68
33 31 11 00-0309	EA	21" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	664.98
33 31 11 00-0310	EA	24" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	891.30
33 31 11 00-0311	EA	30" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	1,258.56

33 31 11 00-0312	Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) (33 31 11 00-0267)		
33 31 11 00-0313	EA	4" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	100.27
33 31 11 00-0314	EA	6" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	129.83
33 31 11 00-0315	EA	8" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	229.62
33 31 11 00-0316	EA	10" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	367.79
33 31 11 00-0317	EA	12" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	609.34
33 31 11 00-0318	EA	15" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	869.32
33 31 11 00-0319	EA	18" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	1,260.82
33 31 11 00-0320	EA	21" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	1,449.80
33 31 11 00-0321	EA	24" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	1,638.72
33 31 11 00-0322	EA	30" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	2,967.99

33 31 11 00-0323	Tees, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) (33 31 11 00-0267)		
33 31 11 00-0324	EA	4" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	91.67
33 31 11 00-0325	EA	6" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	118.05
33 31 11 00-0326	EA	8" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	205.53
33 31 11 00-0327	EA	10" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	326.63
33 31 11 00-0328	EA	12" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	537.02
33 31 11 00-0329	EA	15" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	764.93
33 31 11 00-0330	EA	18" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	1,107.99
33 31 11 00-0331	EA	21" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	1,272.53
33 31 11 00-0332	EA	24" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	1,437.05
33 31 11 00-0333	EA	30" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	2,589.09

33 31 11 00-0334 Couplings And Plug Fittings (33 31 11)
33 31 11 00-0335 Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC)
Flexible Pipe Couplings (33 31 11 00-0334)

Note: For cast iron or plastic to cast iron to plastic pipe. Includes stainless steel clamps.

33 31 11 00-0336	EA	1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-150).....	21.62	7.54
33 31 11 00-0337	EA	2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-22).....	23.63	8.80
33 31 11 00-0338	EA	3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-33).....	27.42	10.06
33 31 11 00-0339	EA	4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-44).....	31.13	10.69
33 31 11 00-0340	EA	5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-55).....	38.36	11.32
33 31 11 00-0341	EA	6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-66).....	45.62	12.58
33 31 11 00-0342	EA	8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-88).....	58.43	13.84
33 31 11 00-0343	EA	10" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1010).....	72.53	14.46
33 31 11 00-0344	EA	12" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1212).....	121.17	15.09

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0345	EA	15" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1515)	165.76	16.35
33 31 11 00-0346	EA	18" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1818)	322.03	16.98
33 31 11 00-0347	EA	21" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-2121)	374.47	17.93
33 31 11 00-0348	EA	24" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-2424)	415.03	18.87
33 31 11 00-0349	EA	27" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-2727)	497.52	20.13
33 31 11 00-0350 Cast Iron Service Saddles With U Bolt (33 31 11)				
33 31 11 00-0351	EA	2" Diameter x 2" Tapped Tee Cast Iron Service Saddles With U Bolt	125.05	
33 31 11 00-0352	EA	3" Diameter x 1-1/2" Tapped Tee Cast Iron Service Saddles With U Bolt	125.72	
33 31 11 00-0353	EA	3" Diameter x 2" Tapped Tee Cast Iron Service Saddles With U Bolt	138.36	
33 31 11 00-0354	EA	4" Diameter x 1-1/2" Tapped Tee Cast Iron Service Saddles With U Bolt	133.90	
33 31 11 00-0355	EA	4" Diameter x 2" Hub Tee Cast Iron Service Saddles With U Bolt	151.15	
33 31 11 00-0356	EA	4" Diameter x 3" Hub Tee Cast Iron Service Saddles With U Bolt	170.06	
33 31 11 00-0357	EA	4" Diameter x 4" Hub Tee Cast Iron Service Saddles With U Bolt	201.47	
33 31 11 00-0358	EA	6" Diameter x 2" Hub Tee Cast Iron Service Saddles With U Bolt	170.58	
33 31 11 00-0359	EA	6" Diameter x 3" Hub Tee Cast Iron Service Saddles With U Bolt	186.46	
33 31 11 00-0360	EA	6" Diameter x 4" Hub Tee Cast Iron Service Saddles With U Bolt	215.06	
33 31 11 00-0361	EA	4" Diameter x 1-1/2" Tapped Wye Cast Iron Service Saddle With U Bolt	137.69	
33 31 11 00-0362	EA	4" Diameter x 2" Tapped Wye Cast Iron Service Saddle With U Bolt	150.34	
33 31 11 00-0363	EA	4" Diameter x 3" Hub Wye Cast Iron Service Saddle With U Bolt	178.92	
33 31 11 00-0364	EA	4" Diameter x 4" Hub Wye Cast Iron Service Saddle With U Bolt	212.35	
33 31 11 00-0365	EA	6" Diameter x 4" Hub Wye Cast Iron Service Saddle With U Bolt	228.62	
33 31 11 00-0366 Manhole Inside Bowl Drop (33 31 11)				
33 31 11 00-0367	EA	Inside Pipe Drop, 4" Outlet for 4' to 5' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A4DB)	346.75	
33 31 11 00-0368	EA	Inside Pipe Drop, 4" Outlet for 6' to 8' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A4R96)	363.60	
33 31 11 00-0369	EA	Inside Pipe Drop, 6" Outlet for 4' to 5' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A6DB)	372.68	
33 31 11 00-0370	EA	Inside Pipe Drop, 6" Outlet for 6' to 8' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A6R96)	385.51	
33 31 11 00-0371	EA	Inside Pipe Drop, 8" Outlet for 4' to 5' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A8DB)	400.55	
33 31 11 00-0372	EA	Inside Pipe Drop, 8" Outlet for 6' to 8' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A8DBR84)	429.69	
33 31 11 00-0373	EA	Inside Pipe Drop, 10" Outlet for 4' to 5' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A10DB)	447.33	
33 31 11 00-0374	EA	Inside Pipe Drop, 10" Outlet for 6' to 8' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A10R96)	461.90	
33 31 11 00-0375	EA	Inside Pipe Drop, 12" Outlet for 4' to 6' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner 24/12R60)	796.17	
33 31 11 00-0376	EA	Inside Pipe Drop, 12" Outlet for 7' to 8' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner 24/12R96)	818.03	
33 32 Sanitary Sewerage Equipment (33 30)				
33 32 16 Packaged Wastewater Grinder Pump Assemblies (33 32)				
33 32 16 00-0001 Submersible Grinder Pumps, Cast Iron With Bronze Impeller (33 32 16)				
33 32 16 00-0002	EA	2 HP Submersible Grinder Pump, 200/208, 230 Volt, 1 Phase, 3450 RPM, 1-1/2" Threaded Discharge	2,231.12	373.05
		Note: Zoeller 840 series.		
33 32 16 00-0003	EA	2 HP Submersible Grinder Pump, 200/208, 230, 460 Volt, 3 Phase, 3450 RPM, 1-1/2" Threaded Discharge	2,200.42	373.05
		Note: Zoeller 840 series.		
33 32 16 00-0004	EA	Simplex Control Panel With Auto Reversing Switch	1,045.74	124.31
		Note: For Zoeller 840 series grinder pump.		
33 32 16 00-0005	EA	Duplex Control Panel With Auto Reversing Switch	1,616.23	124.31
		Note: For Zoeller 840 series grinder pump.		
33 32 16 00-0006	EA	Grinder Pump, 120 Gallon Sewage Basin, 1 HP, 120 V (Environment One 2012-74)	13,716.40	
33 32 16 00-0007 Submersible Grinder Pumps (33 32 16)				
		Note: Includes 50' of cord with pumps unless otherwise noted.		
33 32 16 00-0008	EA	2 HP Submersible Grinder Pump At 3,450 RPM, Explosion Proof	3,909.07	749.47
33 32 16 00-0009	EA	3 HP Submersible Grinder Pump At 3,450 RPM, Explosion Proof	5,810.69	874.38
33 32 16 00-0010	EA	5 HP Submersible Grinder Pump At 3,450 RPM, Explosion Proof	7,122.69	1,124.19
33 34 Onsite Wastewater Disposal (33 30)				
		Note: Excludes distribution field piping, trenching or excavation.		
33 34 13 Septic Tanks (33 34)				
33 34 13 13 Concrete Septic Tanks (33 34 13)				
33 34 13 13-0001 Precast Concrete Septic Tank (33 34 13 13)				
		Note: Includes external coating.		
33 34 13 13-0002	EA	1,000 Gallon Precast Septic Tank	4,273.21	749.47
		For Non-Traffic Rated, Deduct	-838.20	
33 34 13 13-0003	EA	1,250 Gallon Precast Septic Tank	5,143.92	827.28
		For Non-Traffic Rated, Deduct	-1,032.06	
33 34 13 13-0004	EA	1,500 Gallon Precast Septic Tank	5,980.71	904.97
		For Non-Traffic Rated, Deduct	-1,217.41	
33 34 13 13-0005	EA	2,000 Gallon Precast Septic Tank	7,697.40	983.67
		For Non-Traffic Rated, Deduct	-1,623.29	
33 34 13 13-0006	EA	2,500 Gallon Precast Septic Tank	9,150.66	1,358.40
		For Non-Traffic Rated, Deduct	-1,872.16	
33 34 13 13-0007	EA	4,000 Gallon Precast Septic Tank	24,530.53	1,873.65
		For Non-Traffic Rated, Deduct	-5,558.04	
33 34 13 13-0008	EA	5,000 Gallon Precast Septic Tank	44,675.13	2,810.49
		For Non-Traffic Rated, Deduct	-10,309.36	

33 Utilities**33 30 Sanitary Sewerage Utilities****33 34 Onsite Wastewater Disposal**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 34 13 13-0009	EA	7,500 Gallon Precast Septic Tank	50,004.95	3,934.68
		<i>For Non-Traffic Rated, Deduct</i>	-11,304.18	
33 34 13 13-0010	EA	10,000 Gallon Precast Septic Tank	61,327.63	4,707.62
		<i>For Non-Traffic Rated, Deduct</i>	-13,895.44	
33 34 13 13-0011	EA	12,500 Gallon Precast Septic Tank	72,435.04	5,831.81
		<i>For Non-Traffic Rated, Deduct</i>	-16,313.17	

33 34 13 23 Fiberglass Septic Tank (33 34 13)**33 34 13 23-0001 Fiberglass Septic Tank (33 34 13 23)**

33 34 13 23-0002	EA	1,000 Gallon Fiberglass Septic Tank	4,860.15	562.10
33 34 13 23-0003	EA	1,250 Gallon Fiberglass Septic Tank	5,712.71	749.47
33 34 13 23-0004	EA	1,500 Gallon Fiberglass Septic Tank	6,598.03	679.26
33 34 13 23-0005	EA	2,000 Gallon Fiberglass Septic Tank	11,080.12	735.35
33 34 13 23-0006	EA	2,500 Gallon Fiberglass Septic Tank	13,899.31	1,019.27
33 34 13 23-0007	EA	4,000 Gallon Fiberglass Septic Tank	22,065.46	1,405.24
33 34 13 23-0008	EA	5,000 Gallon Fiberglass Septic Tank	32,746.29	2,107.86
33 34 13 23-0009	EA	7,500 Gallon Fiberglass Septic Tank	44,954.69	2,951.01
33 34 13 23-0010	EA	10,000 Gallon Fiberglass Septic Tank	55,173.76	3,527.10

33 34 13 33 Polyethylene Septic Tank (33 34 13)**33 34 13 33-0001 High-Density Polyethylene (HDPE) Septic Tank (33 34 13 33)**

33 34 13 33-0002	EA	300 Gallon One Compartment One Manhole High-Density Polyethylene (HDPE) Septic Tank.....	1,345.26	228.84
33 34 13 33-0003	EA	500 Gallon One Compartment One Manhole High-Density Polyethylene (HDPE) Septic Tank.....	2,083.20	257.45
33 34 13 33-0004	EA	900 Gallon One Compartment Two Manhole High-Density Polyethylene (HDPE) Septic Tank.....	2,901.93	314.66
33 34 13 33-0005	EA	1,000 Gallon One Compartment Two Manhole High-Density Polyethylene (HDPE) Septic Tank.....	2,977.46	343.26
33 34 13 33-0006	EA	1,250 Gallon One Compartment Two Manhole High-Density Polyethylene (HDPE) Septic Tank.....	3,453.59	371.87
33 34 13 33-0007	EA	1,500 Gallon One Compartment Two Manhole High-Density Polyethylene (HDPE) Septic Tank.....	4,149.64	400.47
33 34 13 33-0008	EA	750 Gallon Two Compartment Two Manhole High-Density Polyethylene (HDPE) Septic Tank.....	2,925.88	286.05
33 34 13 33-0009	EA	1,000 Gallon Two Compartment Two Manhole High-Density Polyethylene (HDPE) Septic Tank.....	3,186.92	343.26
33 34 13 33-0010	EA	1,250 Gallon Two Compartment Two Manhole High-Density Polyethylene (HDPE) Septic Tank.....	3,752.06	371.87
33 34 13 33-0011	EA	1,500 Gallon Two Compartment Two Manhole High-Density Polyethylene (HDPE) Septic Tank.....	4,411.47	400.47

33 34 51 Drainage Field System (33 34)**33 34 51 00-0001 Leaching Pit - Precast Concrete (33 34 51)**

Note: Includes external coating.

33 34 51 00-0002	EA	3' Diameter, 3' High, Precast Concrete Leaching Pit	930.76	109.92
33 34 51 00-0003	EA	4' Diameter, 3' High, Precast Concrete Leaching Pit	1,305.61	156.14
33 34 51 00-0004	EA	6' Diameter, 3' High, Precast Concrete Leaching Pit	1,739.18	187.37
33 34 51 00-0005	EA	8' Diameter, 4' High, Precast Concrete Leaching Pit	2,833.10	312.28
33 34 51 00-0006	EA	10' Diameter, 4' High, Precast Concrete Leaching Pit	4,130.13	437.19

33 34 53 Distribution Chambers (33 34)**33 34 53 13 Drainage Field Concrete Distribution Chambers (33 34 53)****33 34 53 13-0001 Concrete Distribution Boxes (33 34 53 13)**

Note: Includes internal and external coating.

33 34 53 13-0002	EA	3 Outlet Concrete Distribution Box.....	371.74	79.83
33 34 53 13-0003	EA	5 Outlet Concrete Distribution Box.....	432.47	95.80
33 34 53 13-0004	EA	8 Outlet Concrete Distribution Box.....	760.27	111.76
33 34 53 13-0005	EA	12 Outlet Concrete Distribution Box.....	1,503.79	191.59

33 34 53 13-0006 Leaching Field Chambers - Precast Concrete (33 34 53 13)

33 34 53 13-0007	EA	Standard Leaching Field Chamber 13' x 3'-7" x 1'-4".....	1,078.97	95.63
33 34 53 13-0008	EA	Heavy-Duty Leaching Field Chamber 13' x 3'-9" x 1'-6".....	1,322.20	130.41

33 34 53 33 Drainage Field Polyethylene Distribution Chambers (33 34 53)**33 34 53 33-0001 Leaching Field Chambers - High-Density Polyethylene (HDPE) (33 34 53 33)**

33 34 53 33-0002	LF	16" Wide x 11" High, High-Density Polyethylene (HDPE) Leaching Field Chamber	23.69	5.98
33 34 53 33-0003	LF	22" Wide x 12" High, High-Density Polyethylene (HDPE) Leaching Field Chamber	30.85	6.48
33 34 53 33-0004	LF	34" Wide x 12" High, High-Density Polyethylene (HDPE) Leaching Field Chamber	42.10	7.06
33 34 53 33-0005	LF	34" Wide x 16" High, High-Density Polyethylene (HDPE) Leaching Field Chamber	61.75	7.77

33 34 56 Drainage Field Dosing Chambers (33 34)**33 34 56 00-0001 Dosing Siphon (33 34 56)**

33 34 56 00-0002	EA	Dosing Siphon With Electrical Connection And Solenoid Valve.....	6,155.20	
33 34 56 00-0003	EA	Solar Power Control For Dosing Siphon	4,223.57	
33 34 56 00-0004	EA	Electrical Power Control For Dosing Siphon	4,058.15	

33 40 Stormwater Utilities (33)**33 41 Subdrainage (33 40)**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 41 16 Subdrainage Piping (33 41)

33 41 16 13 Subdrainage Piping (33 41 16)

See CSI section 33 42 11 00-0193 for polyethylene drain pipe.

33 41 16 13-0001 Corrugated High-Density Polyethylene (HDPE) Drainage Piping (33 41 16 13)

33 41 16 13-0002 Single Wall, Corrugated High-Density Polyethylene (HDPE) Piping (33 41 16 13-0001)

Note: Excludes couplings and gaskets.

33 41 16 13-0003 Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Piping (33 41 16 13-0002)

33 41 16 13-0004	LF 4" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe.....	6.31	5.03
	For <100, Add	1.07	
	For >1,000, Deduct	-0.57	
33 41 16 13-0005	LF 6" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe.....	8.25	5.39
	For <100, Add	1.22	
	For >1,000, Deduct	-0.68	
33 41 16 13-0006	LF 8" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe.....	10.70	5.65
	For <100, Add	1.38	
	For >1,000, Deduct	-0.82	
33 41 16 13-0007	LF 10" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe.....	15.17	5.83
	For <100, Add	1.63	
	For >1,000, Deduct	-1.05	
33 41 16 13-0008	LF 12" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe.....	18.02	6.37
	For <100, Add	1.86	
	For >1,000, Deduct	-1.22	
33 41 16 13-0009	LF 15" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe.....	24.14	7.18
	For <100, Add	2.28	
	For >1,000, Deduct	-1.57	
33 41 16 13-0010	LF 18" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe.....	38.43	11.88
	For <100, Add	3.70	
	For >1,000, Deduct	-2.52	
33 41 16 13-0011	LF 24" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe.....	54.51	13.05
	For <100, Add	4.68	
	For >1,000, Deduct	-3.38	

33 41 16 13-0012 Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Piping (33 41 16 13-0002)

33 41 16 13-0013	LF 4" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe.....	6.13	5.03
	For <100, Add	1.06	
	For >1,000, Deduct	-0.56	
33 41 16 13-0014	LF 6" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe.....	8.17	5.39
	For <100, Add	1.22	
	For >1,000, Deduct	-0.68	
33 41 16 13-0015	LF 8" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe.....	14.18	5.65
	For <100, Add	1.56	
	For >1,000, Deduct	-0.99	
33 41 16 13-0016	LF 10" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe.....	16.99	5.83
	For <100, Add	1.72	
	For >1,000, Deduct	-1.14	
33 41 16 13-0017	LF 12" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe.....	20.02	6.37
	For <100, Add	1.96	
	For >1,000, Deduct	-1.32	
33 41 16 13-0018	LF 15" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe.....	23.93	7.18
	For <100, Add	2.27	
	For >1,000, Deduct	-1.56	
33 41 16 13-0019	LF 18" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe.....	37.11	11.88
	For <100, Add	3.64	
	For >1,000, Deduct	-2.45	
33 41 16 13-0020	LF 24" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe.....	52.42	13.05
	For <100, Add	4.58	
	For >1,000, Deduct	-3.27	

33 41 16 13-0021 Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe Fittings (33 41 16 13-0001)

Note: Excludes couplings and gaskets.

33 41 16 13-0022 Tees, Single Wall, Corrugated High-Density Polyethylene (HDPE) (33 41 16 13-0021)

33 41 16 13-0023	EA 4" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE).....	47.87	24.65
33 41 16 13-0024	EA 6" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE).....	57.14	28.76
33 41 16 13-0025	EA 8" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE).....	97.30	34.92
33 41 16 13-0026	EA 10" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE).....	125.56	43.14
33 41 16 13-0027	EA 12" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE).....	191.33	51.36
33 41 16 13-0028	EA 15" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE).....	432.72	67.11
33 41 16 13-0029	EA 18" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE).....	513.50	90.38
33 41 16 13-0030	EA 24" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE).....	998.06	102.71

33 41 16 13-0031 Wyes, Single Wall, Corrugated High-Density Polyethylene (HDPE) (33 41 16 13-0021)

33 41 16 13-0032	EA 4" Wye, Single Wall, Corrugated High-Density Polyethylene (HDPE).....	49.49	24.65
33 41 16 13-0033	EA 6" Wye, Single Wall, Corrugated High-Density Polyethylene (HDPE).....	62.45	28.76
33 41 16 13-0034	EA 8" Wye, Single Wall, Corrugated High-Density Polyethylene (HDPE).....	152.90	34.92

33 Utilities**33 40 Stormwater Utilities****33 41 Subdrainage**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 41 16 13-0035	45 Degree Bends, Single Wall, Corrugated High-Density Polyethylene (HDPE) (33 41 16 13-0021)		
33 41 16 13-0036	EA 4" 45 Degree Bend, Single Wall, Corrugated High-Density Polyethylene (HDPE).....	32.46	16.44
33 41 16 13-0037	90 Degree Bends, Single Wall, Corrugated High-Density Polyethylene (HDPE) (33 41 16 13-0021)		
33 41 16 13-0038	EA 4" 90 Degree Bend, Single Wall, Corrugated High-Density Polyethylene (HDPE).....	34.17	16.44
33 41 16 13-0039	EA 6" 90 Degree Bend, Single Wall, Corrugated High-Density Polyethylene (HDPE).....	44.97	19.17
33 41 16 13-0040	EA 8" 90 Degree Bend, Single Wall, Corrugated High-Density Polyethylene (HDPE).....	68.83	23.28
33 41 16 13-0041	EA 10" 90 Degree Bend, Single Wall, Corrugated High-Density Polyethylene (HDPE).....	91.45	28.76
33 41 16 13-0042	Perforated Polyvinyl Chloride (PVC) Drainage Piping, D2729 (33 41 16 13) Note: Includes fittings, couplings, elbows, etc.		
33 41 16 13-0043	LF 3" Perforated Polyvinyl Chloride (PVC) Drainage Piping	7.74	4.24
	For <100, Add	1.02	
	For >1,000, Deduct	-0.60	
33 41 16 13-0044	LF 4" Perforated Polyvinyl Chloride (PVC) Drainage Piping	8.47	4.58
	For <100, Add	1.11	
	For >1,000, Deduct	-0.65	
33 41 16 13-0045	LF 6" Perforated Polyvinyl Chloride (PVC) Drainage Piping	12.20	5.49
	For <100, Add	1.43	
	For >1,000, Deduct	-0.88	
33 41 16 13-0046	LF 8" Perforated Polyvinyl Chloride (PVC) Drainage Piping	19.38	6.86
	For <100, Add	2.00	
	For >1,000, Deduct	-1.31	
33 41 16 13-0047	LF 10" Perforated Polyvinyl Chloride (PVC) Drainage Piping	32.19	7.15
	For <100, Add	2.68	
	For >1,000, Deduct	-1.97	
33 41 16 13-0048	LF 12" Perforated Polyvinyl Chloride (PVC) Drainage Piping	41.33	7.80
	For <100, Add	3.24	
	For >1,000, Deduct	-2.46	
33 41 16 13-0049	LF 15" Perforated Polyvinyl Chloride (PVC) Drainage Piping	57.40	8.79
	For <100, Add	4.19	
	For >1,000, Deduct	-3.31	
33 41 16 13-0050	Perforated Non-Reinforced Concrete Drainage Piping, C444 (33 41 16 13)		
33 41 16 13-0051	LF 6" Perforated Non-Reinforced Concrete Drainage Pipe.....	35.40	12.77
	For Extra Strength, Add	2.02	
	For >1,000, Deduct	-1.77	
33 41 16 13-0052	LF 8" Perforated Non-Reinforced Concrete Drainage Pipe.....	41.43	14.18
	For Extra Strength, Add	2.49	
	For >1,000, Deduct	-2.07	
33 41 16 13-0053	LF 10" Perforated Non-Reinforced Concrete Drainage Pipe.....	46.92	15.60
	For Extra Strength, Add	2.89	
	For >1,000, Deduct	-2.35	
33 41 16 13-0054	LF 12" Perforated Non-Reinforced Concrete Drainage Pipe.....	55.18	17.02
	For Extra Strength, Add	3.63	
	For >1,000, Deduct	-2.76	
33 41 16 13-0055	Extra Strength Porous Non-Reinforced Concrete Drainage Piping, C654 (33 41 16 13) Note: Bell and spigot or tongue and groove. With seals and gaskets.		
33 41 16 13-0056	LF 6" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	29.15	12.77
	For >1,000, Deduct	-1.46	
33 41 16 13-0057	LF 8" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	32.26	14.18
	For >1,000, Deduct	-1.61	
33 41 16 13-0058	LF 10" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	35.59	15.60
	For >1,000, Deduct	-1.78	
33 41 16 13-0059	LF 12" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	40.69	16.21
	For >1,000, Deduct	-2.03	
33 41 16 13-0060	LF 15" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	47.34	18.23
	For >1,000, Deduct	-2.37	
33 41 16 13-0061	LF 18" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	58.57	23.29
	For >1,000, Deduct	-2.93	
33 41 16 13-0062	LF 21" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	73.14	29.88
	For >1,000, Deduct	-3.66	
33 41 16 13-0063	LF 24" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	89.18	36.46
	For >1,000, Deduct	-4.46	
33 41 16 13-0064	Standard Strength Porous Non-Reinforced Concrete Drainage Piping, C654 (33 41 16 13)		
33 41 16 13-0065	LF 6" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe	27.09	12.77
	For >1,000, Deduct	-1.35	
33 41 16 13-0066	LF 8" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe	34.54	14.18
	For >1,000, Deduct	-1.73	
33 41 16 13-0067	LF 10" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe	43.86	15.60
	For >1,000, Deduct	-2.19	
33 41 16 13-0068	LF 12" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe	53.35	17.02
	For >1,000, Deduct	-2.67	
33 41 16 13-0069	LF 15" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe	61.14	18.93
	For >1,000, Deduct	-3.06	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 16 13-0070	LF	18" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe <i>For >1,000, Deduct</i>	79.30 -3.97	23.61
33 41 16 13-0071		Perforated Vitrified Clay Drainage Piping, C700 (33 41 16 13)		
33 41 16 13-0072	LF	4" Perforated Vitrified Clay Drainage Pipe	26.63	14.18
33 41 16 13-0073	LF	6" Perforated Vitrified Clay Drainage Pipe	31.84	15.95
33 41 16 13-0074	LF	8" Perforated Vitrified Clay Drainage Pipe	36.35	15.95
33 41 16 13-0075	LF	10" Perforated Vitrified Clay Drainage Pipe	48.75	19.50
33 41 16 13-0076	LF	12" Perforated Vitrified Clay Drainage Pipe	57.97	21.27
33 41 16 13-0077		Geotextile Filter Fabric Sock (33 41 16 13)		
33 41 16 13-0078	LF	3" Geotextile Filter Fabric Sock	0.85	
33 41 16 13-0079	LF	4" Geotextile Filter Fabric Sock	1.12	
33 41 16 13-0080	LF	6" Geotextile Filter Fabric Sock	1.69	
33 41 16 13-0081	LF	8" Geotextile Filter Fabric Sock	2.28	
33 41 16 13-0082	LF	10" Geotextile Filter Fabric Sock	3.43	
33 41 16 13-0083	LF	12" Geotextile Filter Fabric Sock	4.75	
33 41 16 13-0084	LF	15" Geotextile Filter Fabric Sock	5.73	
33 41 16 13-0085		Strip-Perforated, Galvanized, Corrugated Steel Pipe (33 41 16 13)		
Note: Perforations are located in the bottom quarter points of the pipe.				
33 41 16 13-0086	LF	6" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	25.43	6.08
		<i>For Full Perforated, Add</i>	1.33	
33 41 16 13-0087	LF	8" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	32.23	7.37
		<i>For Full Perforated, Add</i>	1.75	
33 41 16 13-0088	LF	10" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	40.64	9.35
		<i>For Full Perforated, Add</i>	2.19	
33 41 16 13-0089	LF	12" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	45.05	11.05
		<i>For Full Perforated, Add</i>	2.29	
33 41 16 13-0090	LF	15" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	51.71	11.44
		<i>For Full Perforated, Add</i>	2.88	
33 41 16 13-0091	LF	18" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	58.54	11.85
		<i>For Full Perforated, Add</i>	3.48	
33 41 16 13-0092	LF	21" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	67.04	12.79
		<i>For Full Perforated, Add</i>	4.15	
33 41 16 13-0093		Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe (33 41 16 13)		
Note: Perforations are located in the bottom quarter points of the pipe.				
33 41 16 13-0094	LF	6" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	27.56	6.08
		<i>For Full Perforated, Add</i>	1.54	
33 41 16 13-0095	LF	8" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	35.12	7.37
		<i>For Full Perforated, Add</i>	2.04	
33 41 16 13-0096	LF	10" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	44.17	9.35
		<i>For Full Perforated, Add</i>	2.55	
33 41 16 13-0097	LF	12" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	48.49	11.05
		<i>For Full Perforated, Add</i>	2.64	
33 41 16 13-0098	LF	15" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	55.96	11.44
		<i>For Full Perforated, Add</i>	3.31	
33 41 16 13-0099	LF	18" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	63.58	11.85
		<i>For Full Perforated, Add</i>	3.99	
33 41 16 13-0100	LF	21" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	72.91	12.79
		<i>For Full Perforated, Add</i>	4.73	
33 41 16 13-0101		Strip-Perforated, Corrugated Aluminum Pipe (33 41 16 13)		
Note: Perforations are located in the bottom quarter points of the pipe.				
33 41 16 13-0102	LF	6" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	28.25	6.08
		<i>For Full Perforated, Add</i>	1.61	
33 41 16 13-0103	LF	8" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	36.01	7.37
		<i>For Full Perforated, Add</i>	2.13	
33 41 16 13-0104	LF	10" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	45.30	9.35
		<i>For Full Perforated, Add</i>	2.66	
33 41 16 13-0105	LF	12" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	56.97	11.05
		<i>For Full Perforated, Add</i>	3.49	
33 41 16 13-0106	LF	15" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	66.51	11.44
		<i>For Full Perforated, Add</i>	4.36	
33 41 16 13-0107	LF	18" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	76.37	11.85
		<i>For Full Perforated, Add</i>	5.27	
33 41 16 13-0108	LF	21" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	87.82	12.79
		<i>For Full Perforated, Add</i>	6.22	
33 41 16 13-0109		Prefabricated Composite Drains (33 41 16 13)		
33 41 16 13-0110		Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE) (33 41 16 13-0109)		
Note: Excludes excavation and backfill. See CSI section 31 23 16 13-0000 for excavation and backfill.				
33 41 16 13-0111	LF	12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	11.58	2.33
		<i>For External Typar Geotextile Wrap, Add</i>	2.17	
33 41 16 13-0112	EA	Coupler For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	52.92	
33 41 16 13-0113	EA	End Cap For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	52.92	
33 41 16 13-0114	EA	Side Outlet For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	103.24	
33 41 16 13-0115	EA	End Outlet For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	103.24	

33 Utilities**33 40 Stormwater Utilities****33 41 Subdrainage**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 41 16 13-0116	LF	18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	18.61	2.92
		<i>For External Typar Geotextile Wrap, Add</i>	3.26	
33 41 16 13-0117	EA	Coupler For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	78.75	
33 41 16 13-0118	EA	End Cap For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	78.75	
33 41 16 13-0119	EA	Side Outlet For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	135.89	
33 41 16 13-0120	EA	End Outlet For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	135.89	

33 41 19 Underslab Drainage (33 41)**33 41 19 13 Underslab Drainage Piping (33 41 19)****33 41 19 13-0001 Capillary Water Barrier Underslab Drainage (33 41 19 13)**

Note: Consists of a layer of fine granular material overlying a coarse layer.

33 41 19 13-0002	CY	2" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage	50.62	
33 41 19 13-0003	CY	4" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage	47.91	
33 41 19 13-0004	CY	6" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage	46.83	
33 41 19 13-0005	CY	8" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage	45.22	

33 42 Stormwater Conveyance (33 40)

Note: Piping includes hydrostatic testing, disinfecting and warning tape. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 42 11 Stormwater Gravity Piping (33 42)**33 42 11 00-0001 Reinforced Concrete Piping (33 42 11)**

Note: Includes detectable tracer wire.

33 42 11 00-0002 Class 3 Reinforced Concrete Pipe Without Gaskets (33 42 11 00-0001)

33 42 11 00-0003	LF	12" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	53.14	17.02
		<i>For >1,000, Deduct</i>	-2.66	
		<i>For Class 4, Add</i>	2.74	
		<i>For Class 5, Add</i>	5.77	
33 42 11 00-0004	LF	15" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	63.96	18.93
		<i>For >1,000, Deduct</i>	-3.20	
		<i>For Class 4, Add</i>	3.51	
		<i>For Class 5, Add</i>	7.38	
33 42 11 00-0005	LF	18" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	72.56	23.61
		<i>For >1,000, Deduct</i>	-3.63	
		<i>For Class 4, Add</i>	3.69	
		<i>For Class 5, Add</i>	7.77	
33 42 11 00-0006	LF	21" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	93.02	29.78
		<i>For >1,000, Deduct</i>	-4.65	
		<i>For Class 4, Add</i>	4.79	
		<i>For Class 5, Add</i>	10.09	
33 42 11 00-0007	LF	24" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	108.76	36.16
		<i>For >1,000, Deduct</i>	-5.44	
		<i>For Class 4, Add</i>	5.42	
		<i>For Class 5, Add</i>	11.42	
33 42 11 00-0008	LF	27" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	138.22	46.31
		<i>For >1,000, Deduct</i>	-6.91	
		<i>For Class 4, Add</i>	6.85	
		<i>For Class 5, Add</i>	14.41	
33 42 11 00-0009	LF	30" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	147.06	47.82
		<i>For >1,000, Deduct</i>	-7.35	
		<i>For Class 4, Add</i>	7.41	
		<i>For Class 5, Add</i>	15.59	
33 42 11 00-0010	LF	36" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	182.55	54.33
		<i>For >1,000, Deduct</i>	-9.13	
		<i>For Class 4, Add</i>	10.04	
		<i>For Class 5, Add</i>	21.14	
33 42 11 00-0011	LF	42" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	237.51	59.77
		<i>For >1,000, Deduct</i>	-11.88	
		<i>For Class 4, Add</i>	14.53	
		<i>For Class 5, Add</i>	30.59	
33 42 11 00-0012	LF	48" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	284.83	66.56
		<i>For >1,000, Deduct</i>	-14.24	
		<i>For Class 4, Add</i>	18.03	
		<i>For Class 5, Add</i>	37.95	
33 42 11 00-0013	LF	54" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	355.03	76.07
		<i>For >1,000, Deduct</i>	-17.75	
		<i>For Class 4, Add</i>	23.40	
		<i>For Class 5, Add</i>	49.27	
33 42 11 00-0014	LF	60" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	429.05	88.24
		<i>For >1,000, Deduct</i>	-21.45	
		<i>For Class 4, Add</i>	28.78	
		<i>For Class 5, Add</i>	60.60	
33 42 11 00-0015	LF	66" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	664.74	97.80
		<i>For >1,000, Deduct</i>	-33.24	
		<i>For Class 4, Add</i>	49.94	
		<i>For Class 5, Add</i>	105.13	
33 42 11 00-0016	LF	72" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	776.16	106.50
		<i>For >1,000, Deduct</i>	-38.81	
		<i>For Class 4, Add</i>	59.28	
		<i>For Class 5, Add</i>	124.80	
33 42 11 00-0017	LF	78" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	934.09	119.54
		<i>For >1,000, Deduct</i>	-46.70	
		<i>For Class 4, Add</i>	72.48	
		<i>For Class 5, Add</i>	152.59	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0018	LF		84" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	1,205.11	133.12
			For >1,000, Deduct	-60.26	
			For Class 4, Add	96.42	
			For Class 5, Add	202.99	
33 42 11 00-0019 HE-I Elliptical Reinforced Concrete Piping Without Gaskets (33 42 11 00-0001)					
33 42 11 00-0020	LF		12" x 18" Elliptical Reinforced Concrete Pipe Without Gaskets (15" Diameter Equivalent Round Size).....	87.92	27.01
			For >1,000, Deduct	-4.40	
			For Horizontal Elliptical - II (HE- II), Add	4.93	
			For Horizontal Elliptical - III (HE- III), Add	10.85	
			For Horizontal Elliptical - IV (HE- IV), Add	23.68	
33 42 11 00-0021	LF		14" x 23" Elliptical Reinforced Concrete Pipe Without Gaskets (18" Diameter Equivalent Round Size).....	128.87	31.40
			For >1,000, Deduct	-6.44	
			For Horizontal Elliptical - II (HE- II), Add	8.40	
			For Horizontal Elliptical - III (HE- III), Add	18.48	
			For Horizontal Elliptical - IV (HE- IV), Add	40.32	
33 42 11 00-0022	LF		19" x 30" Elliptical Reinforced Concrete Pipe Without Gaskets (24" Diameter Equivalent Round Size).....	178.63	48.10
			For >1,000, Deduct	-8.93	
			For Horizontal Elliptical - II (HE- II), Add	10.99	
			For Horizontal Elliptical - III (HE- III), Add	24.18	
			For Horizontal Elliptical - IV (HE- IV), Add	52.76	
33 42 11 00-0023	LF		22" x 34" Elliptical Reinforced Concrete Pipe Without Gaskets (27" Diameter Equivalent Round Size).....	210.86	61.58
			For >1,000, Deduct	-10.54	
			For Horizontal Elliptical - II (HE- II), Add	12.29	
			For Horizontal Elliptical - III (HE- III), Add	27.03	
			For Horizontal Elliptical - IV (HE- IV), Add	58.98	
33 42 11 00-0024	LF		24" x 38" Elliptical Reinforced Concrete Pipe Without Gaskets (30" Diameter Equivalent Round Size).....	223.92	64.34
			For >1,000, Deduct	-11.20	
			For Horizontal Elliptical - II (HE- II), Add	13.20	
			For Horizontal Elliptical - III (HE- III), Add	29.04	
			For Horizontal Elliptical - IV (HE- IV), Add	63.36	
33 42 11 00-0025	LF		27" x 42" Elliptical Reinforced Concrete Pipe Without Gaskets (33" Diameter Equivalent Round Size).....	257.55	67.94
			For >1,000, Deduct	-12.88	
			For Horizontal Elliptical - II (HE- II), Add	16.05	
			For Horizontal Elliptical - III (HE- III), Add	35.31	
			For Horizontal Elliptical - IV (HE- IV), Add	77.04	
33 42 11 00-0026	LF		29" x 45" Elliptical Reinforced Concrete Pipe Without Gaskets (36" Diameter Equivalent Round Size).....	291.19	71.53
			For >1,000, Deduct	-14.56	
			For Horizontal Elliptical - II (HE- II), Add	18.90	
			For Horizontal Elliptical - III (HE- III), Add	41.58	
			For Horizontal Elliptical - IV (HE- IV), Add	90.72	
33 42 11 00-0027	LF		34" x 53" Elliptical Reinforced Concrete Pipe Without Gaskets (42" Diameter Equivalent Round Size).....	355.59	78.71
			For >1,000, Deduct	-17.78	
			For Horizontal Elliptical - II (HE- II), Add	24.32	
			For Horizontal Elliptical - III (HE- III), Add	53.49	
			For Horizontal Elliptical - IV (HE- IV), Add	116.71	
33 42 11 00-0028	LF		38" x 60" Elliptical Reinforced Concrete Pipe Without Gaskets (48" Diameter Equivalent Round Size).....	428.98	88.53
			For >1,000, Deduct	-21.45	
			For Horizontal Elliptical - II (HE- II), Add	30.25	
			For Horizontal Elliptical - III (HE- III), Add	66.55	
			For Horizontal Elliptical - IV (HE- IV), Add	145.20	
33 42 11 00-0029	LF		43" x 68" Elliptical Reinforced Concrete Pipe Without Gaskets (54" Diameter Equivalent Round Size).....	488.30	101.18
			For >1,000, Deduct	-24.42	
			For Horizontal Elliptical - II (HE- II), Add	34.38	
			For Horizontal Elliptical - III (HE- III), Add	75.63	
			For Horizontal Elliptical - IV (HE- IV), Add	165.00	
33 42 11 00-0030	LF		48" x 76" Elliptical Reinforced Concrete Pipe Without Gaskets (60" Diameter Equivalent Round Size).....	605.39	117.36
			For >1,000, Deduct	-30.27	
			For Horizontal Elliptical - II (HE- II), Add	43.77	
			For Horizontal Elliptical - III (HE- III), Add	96.30	
			For Horizontal Elliptical - IV (HE- IV), Add	210.11	
33 42 11 00-0031	LF		53" x 83" Elliptical Reinforced Concrete Pipe without Gaskets (66" Diameter Equivalent Round Size).....	691.36	129.32
33 42 11 00-0032	LF		58" x 91" Elliptical Reinforced Concrete Pipe without Gaskets (72" Diameter Equivalent Round Size).....	839.71	141.27
33 42 11 00-0033	LF		63" x 98" Elliptical Reinforced Concrete Pipe without Gaskets (78" Diameter Equivalent Round Size).....	1,003.92	159.75
33 42 11 00-0034	LF		68" x 106" Elliptical Reinforced Concrete Pipe without Gaskets (84" Diameter Equivalent Round Size).....	1,086.40	177.13
33 42 11 00-0035	LF		72" x 113" Elliptical Reinforced Concrete Pipe without Gaskets (90" Diameter Equivalent Round Size).....	1,394.85	185.83
33 42 11 00-0036	LF		77" x 121" Elliptical Reinforced Concrete Pipe without Gaskets (96" Diameter Equivalent Round Size).....	1,618.31	194.52
33 42 11 00-0037 Concrete Reducing Wye Without Gaskets (33 42 11 00-0001)					
33 42 11 00-0038	EA		12" Concrete Reducing Wye Without Gaskets	662.10	64.83
33 42 11 00-0039	EA		15" Concrete Reducing Wye Without Gaskets	793.85	79.01
33 42 11 00-0040	EA		18" Concrete Reducing Wye Without Gaskets	982.10	87.11
33 42 11 00-0041	EA		21" Concrete Reducing Wye Without Gaskets	1,126.28	107.37
33 42 11 00-0042	EA		24" Concrete Reducing Wye Without Gaskets	1,272.03	129.65
33 42 11 00-0043 Concrete Pipe Joint Gaskets (33 42 11 00-0001)					
33 42 11 00-0044	EA		12" Diameter Concrete Pipe Joint Gasket	6.39	
33 42 11 00-0045	EA		15" Diameter Concrete Pipe Joint Gasket	7.56	
33 42 11 00-0046	EA		18" Diameter Concrete Pipe Joint Gasket	8.76	
33 42 11 00-0047	EA		21" Diameter Concrete Pipe Joint Gasket	10.59	
33 42 11 00-0048	EA		24" Diameter Concrete Pipe Joint Gasket	12.41	
33 42 11 00-0049	EA		27" Diameter Concrete Pipe Joint Gasket	13.83	
33 42 11 00-0050	EA		30" Diameter Concrete Pipe Joint Gasket	15.19	
33 42 11 00-0051	EA		36" Diameter Concrete Pipe Joint Gasket	18.56	
33 42 11 00-0052	EA		42" Diameter Concrete Pipe Joint Gasket	21.52	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 42 11 00-0053	EA	48" Diameter Concrete Pipe Joint Gasket	24.82	
33 42 11 00-0054	EA	54" Diameter Concrete Pipe Joint Gasket	30.42	
33 42 11 00-0055	EA	60" Diameter Concrete Pipe Joint Gasket	45.03	
33 42 11 00-0056	EA	66" Diameter Concrete Pipe Joint Gasket	46.80	
33 42 11 00-0057	EA	72" Diameter Concrete Pipe Joint Gasket	48.53	
33 42 11 00-0058	EA	78" Diameter Concrete Pipe Joint Gasket	55.89	
33 42 11 00-0059	EA	84" Diameter Concrete Pipe Joint Gasket	67.00	

33 42 11 00-0060 Precast Concrete Cut Off Wall (33 42 11 00-0001)

33 42 11 00-0061	EA	12" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	268.84	191.26
33 42 11 00-0062	EA	15" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	331.72	236.91
33 42 11 00-0063	EA	18" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	411.97	299.94
33 42 11 00-0064	EA	21" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	487.87	358.62
33 42 11 00-0065	EA	24" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	561.50	415.02
33 42 11 00-0066	EA	27" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	694.02	530.32
33 42 11 00-0067	EA	30" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	911.36	730.28
33 42 11 00-0068	EA	36" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	1,137.22	921.54
33 42 11 00-0069	EA	42" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	1,406.02	1,156.05
33 42 11 00-0070	EA	48" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	1,574.51	1,302.97
33 42 11 00-0071	EA	54" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	1,758.47	1,460.55
33 42 11 00-0072	EA	60" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	1,945.21	1,622.47
33 42 11 00-0073	EA	66" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	2,021.13	1,684.42
33 42 11 00-0074	EA	72" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	2,087.87	1,738.75
33 42 11 00-0075	EA	78" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	2,154.62	1,793.08
33 42 11 00-0076	EA	84" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	2,222.92	1,847.42

33 42 11 00-0077 Strap Assembly (33 42 11 00-0001)

Note: Includes drilling holes in concrete pipe, setting threaded rod, bolts, and mounting the 12' strap.

33 42 11 00-0078	EA	Up To 24" Diameter Pipe, 12' Strap Assembly	253.24	
33 42 11 00-0079	EA	>24" Diameter Pipe, 12' Strap Assembly	358.12	

33 42 11 00-0080 Prestressed Concrete Cylinder Piping (33 42 11)

Note: Includes detectable tracer wire.

33 42 11 00-0081 150 PSI Prestressed Concrete Cylinder Pipe And Fittings (33 42 11 00-0080)**33 42 11 00-0082 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets** (33 42 11 00-0081)

Note: Lined-cylinder pipe (AWWA C301) up to 48". Embedded-cylinder pipe (AWWA C301) >48".

33 42 11 00-0083	LF	12" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	148.51	17.02
		For >1,000, Deduct	-7.43	
		For 100 PSI, Deduct	-31.05	
33 42 11 00-0084	LF	15" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	158.43	18.93
		For >1,000, Deduct	-7.92	
		For 100 PSI, Deduct	-32.85	
33 42 11 00-0085	LF	18" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	172.31	23.61
		For >1,000, Deduct	-8.62	
		For 100 PSI, Deduct	-34.65	
33 42 11 00-0086	LF	21" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	188.33	29.78
		For >1,000, Deduct	-9.42	
		For 100 PSI, Deduct	-36.45	
33 42 11 00-0087	LF	24" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	204.63	36.16
		For >1,000, Deduct	-10.23	
		For 100 PSI, Deduct	-38.24	
33 42 11 00-0088	LF	30" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	240.38	47.82
		For >1,000, Deduct	-12.02	
		For 100 PSI, Deduct	-42.82	
33 42 11 00-0089	LF	36" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	266.40	54.33
		For >1,000, Deduct	-13.32	
		For 100 PSI, Deduct	-47.39	
33 42 11 00-0090	LF	42" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	309.41	59.77
		For >1,000, Deduct	-15.47	
		For 100 PSI, Deduct	-56.22	
33 42 11 00-0091	LF	48" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	355.26	66.56
		For >1,000, Deduct	-17.76	
		For 100 PSI, Deduct	-65.04	
33 42 11 00-0092	LF	54" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	469.67	85.33
		For >1,000, Deduct	-23.48	
		For 100 PSI, Deduct	-86.94	
33 42 11 00-0093	LF	60" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	566.32	98.99
		For >1,000, Deduct	-28.32	
		For 100 PSI, Deduct	-106.23	
33 42 11 00-0094	LF	66" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	636.51	109.71
		For >1,000, Deduct	-31.83	
		For 100 PSI, Deduct	-120.12	
33 42 11 00-0095	LF	72" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	709.97	119.46
		For >1,000, Deduct	-35.50	
		For 100 PSI, Deduct	-134.83	
33 42 11 00-0096	LF	78" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	806.49	134.09
		For >1,000, Deduct	-40.32	
		For 100 PSI, Deduct	-153.62	
33 42 11 00-0097	LF	84" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	902.98	149.33
		For >1,000, Deduct	-45.15	
		For 100 PSI, Deduct	-172.41	

33 42 11 00-0098 150 PSI Prestressed Concrete Cylinder 90 Degree Elbows With Gaskets (33 42 11 00-0081)					
33 42 11 00-0099	EA	12"	90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	485.77	159.54
33 42 11 00-0100	EA	15"	90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	671.54	227.91
33 42 11 00-0101	EA	18"	90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	862.70	303.88
33 42 11 00-0102	EA	21"	90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,053.86	379.85
33 42 11 00-0103	EA	24"	90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,278.44	472.03
33 42 11 00-0104	EA	30"	90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,638.66	633.08
33 42 11 00-0105	EA	36"	90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,044.06	760.70
33 42 11 00-0106	EA	42"	90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,380.36	887.85
33 42 11 00-0107	EA	48"	90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,678.97	1,013.91
33 42 11 00-0108	EA	54"	90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	3,294.44	1,266.03
33 42 11 00-0109	EA	60"	90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	4,287.59	1,706.68
33 42 11 00-0110	EA	66"	90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	4,778.00	1,889.54
33 42 11 00-0111	EA	72"	90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	5,268.43	2,072.40
33 42 11 00-0112	EA	78"	90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	6,368.87	2,377.16
33 42 11 00-0113	EA	84"	90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	7,462.59	2,681.92

33 42 11 00-0114 150 PSI Prestressed Concrete Cylinder 45 Degree Elbows With Gaskets (33 42 11 00-0081)					
33 42 11 00-0115	EA	12"	45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	452.43	159.54
33 42 11 00-0116	EA	15"	45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	628.40	227.91
33 42 11 00-0117	EA	18"	45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	811.71	303.88
33 42 11 00-0118	EA	21"	45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	995.03	379.85
33 42 11 00-0119	EA	24"	45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,211.76	472.03
33 42 11 00-0120	EA	30"	45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,547.14	590.54
33 42 11 00-0121	EA	36"	45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,939.47	760.70
33 42 11 00-0122	EA	42"	45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,259.43	887.85
33 42 11 00-0123	EA	48"	45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,548.89	1,013.91
33 42 11 00-0124	EA	54"	45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	3,109.35	1,266.03
33 42 11 00-0125	EA	60"	45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	4,111.51	1,706.68

33 42 11 00-0126 400 PSI Prestressed Concrete Cylinder Pipe With Regular Joints (33 42 11 00-0080)					
33 42 11 00-0127 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints (33 42 11 00-0126)					
Note: AWWA C301					
33 42 11 00-0128	LF	30"	400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints.....	283.37	47.82
			For >1,000, Deduct	-14.17	
33 42 11 00-0129	LF	36"	400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints.....	345.79	54.33
			For >1,000, Deduct	-17.29	
33 42 11 00-0130	LF	42"	400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints.....	403.66	59.77
			For >1,000, Deduct	-20.18	

33 42 11 00-0131 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints (33 42 11 00-0126)					
Note: AWWA C301					
33 42 11 00-0132	LF	48"	400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints.....	544.57	66.51
			For >1,000, Deduct	-27.23	
33 42 11 00-0133	LF	54"	400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints.....	651.37	85.33
			For >1,000, Deduct	-32.57	
33 42 11 00-0134	LF	60"	400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints.....	750.88	98.99
			For >1,000, Deduct	-37.54	
33 42 11 00-0135	LF	66"	400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints.....	845.49	109.71
			For >1,000, Deduct	-42.27	
33 42 11 00-0136	LF	72"	400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints.....	1,024.93	119.46
			For >1,000, Deduct	-51.25	

33 42 11 00-0137 Welded Joints For Prestressed Concrete Cylinder Pipe (33 42 11 00-0126)					
Note: All pipe joints to be exposed and dewatered. Internal joint welding also requires joints to be ventilated and air quality checked.					
33 42 11 00-0138	EA	30"	Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,694.57	
33 42 11 00-0139	EA	36"	Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,894.17	
33 42 11 00-0140	EA	42"	Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,993.97	
33 42 11 00-0141	EA	48"	Welded Joint For Prestressed Concrete Cylinder Pipe.....	3,393.17	
33 42 11 00-0142	EA	54"	Welded Joint For Prestressed Concrete Cylinder Pipe.....	3,492.97	
33 42 11 00-0143	EA	60"	Welded Joint For Prestressed Concrete Cylinder Pipe.....	3,692.57	
33 42 11 00-0144	EA	66"	Welded Joint For Prestressed Concrete Cylinder Pipe.....	3,792.36	
33 42 11 00-0145	EA	72"	Welded Joint For Prestressed Concrete Cylinder Pipe.....	3,892.16	
33 42 11 00-0146	EA	30"	Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	4,989.95	
33 42 11 00-0147	EA	36"	Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	4,989.95	
33 42 11 00-0148	EA	42"	Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	5,688.55	
33 42 11 00-0149	EA	48"	Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	5,688.55	
33 42 11 00-0150	EA	54"	Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	6,087.74	
33 42 11 00-0151	EA	60"	Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	6,087.74	
33 42 11 00-0152	EA	66"	Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	6,586.74	
33 42 11 00-0153	EA	72"	Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	6,586.74	

33 42 11 00-0154 Quick Test Joints (33 42 11 00-0126)					
33 42 11 00-0155	EA	30"	Quick Test Joint.....	634.07	
33 42 11 00-0156	EA	36"	Quick Test Joint.....	639.50	

33	33 Utilities
	33 40 Stormwater Utilities
	33 42 Stormwater Conveyance

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
33 42 11 00-0157	EA	42" Quick Test Joint.....	644.93		
33 42 11 00-0158	EA	48" Quick Test Joint.....	657.90		
33 42 11 00-0159	EA	54" Quick Test Joint.....	686.60		
33 42 11 00-0160	EA	60" Quick Test Joint.....	711.34		
33 42 11 00-0161	EA	66" Quick Test Joint.....	748.64		
33 42 11 00-0162	EA	72" Quick Test Joint.....	785.93		
33 42 11 00-0163		Harnessed Joints (33 42 11 00-0126)			
33 42 11 00-0164		Harness Clamp Restrained Joints (33 42 11 00-0163)			
33 42 11 00-0165	EA	30" Harness Clamp Restrained Joint.....	12,060.95		
33 42 11 00-0166	EA	36" Harness Clamp Restrained Joint.....	12,526.92		
33 42 11 00-0167	EA	42" Harness Clamp Restrained Joint.....	12,992.89		
33 42 11 00-0168	EA	48" Harness Clamp Restrained Joint.....	13,458.87		
33 42 11 00-0169	EA	54" Harness Clamp Restrained Joint.....	13,938.07		
33 42 11 00-0170	EA	60" Harness Clamp Restrained Joint.....	14,641.07		
33 42 11 00-0171	EA	66" Harness Clamp Restrained Joint.....	15,113.81		
33 42 11 00-0172	EA	72" Harness Clamp Restrained Joint.....	16,185.24		
33 42 11 00-0173		Snap Ring Restrained Joints (33 42 11 00-0163)			
33 42 11 00-0174	EA	30" Snap Ring Restrained Joint.....	1,929.10		
33 42 11 00-0175	EA	36" Snap Ring Restrained Joint.....	2,210.85		
33 42 11 00-0176	EA	42" Snap Ring Restrained Joint.....	2,999.20		
33 42 11 00-0177	EA	48" Snap Ring Restrained Joint.....	3,419.12		
33 42 11 00-0178	EA	54" Snap Ring Restrained Joint.....	3,852.27		
33 42 11 00-0179	EA	60" Snap Ring Restrained Joint.....	4,371.05		
33 42 11 00-0180	EA	66" Snap Ring Restrained Joint.....	4,843.79		
33 42 11 00-0181	EA	72" Snap Ring Restrained Joint.....	5,408.62		
33 42 11 00-0182		Pipe Repairs (33 42 11 00-0126)			
Note: For repair of damaged or defective lined or embedded cylinder concrete pipe. Includes 2 concrete adapters, MJDI sleeve, 20' pipe.					
33 42 11 00-0183		Lined Cylinder Pipe Repair (33 42 11 00-0182)			
33 42 11 00-0184	EA	30" Lined Cylinder Pipe Repair.....	5,854.44		
33 42 11 00-0185	EA	36" Lined Cylinder Pipe Repair.....	7,244.18		
33 42 11 00-0186	EA	42" Lined Cylinder Pipe Repair.....	10,812.98		
33 42 11 00-0187		Embedded Cylinder Pipe Repair (33 42 11 00-0182)			
Note: Field welded concrete enclosure assembly with concrete pipe.					
33 42 11 00-0188	EA	48" Embedded Cylinder Pipe Repair.....	16,228.27		
33 42 11 00-0189	EA	54" Embedded Cylinder Pipe Repair.....	18,863.45		
33 42 11 00-0190	EA	60" Embedded Cylinder Pipe Repair.....	21,516.73		
33 42 11 00-0191	EA	66" Embedded Cylinder Pipe Repair.....	24,311.75		
33 42 11 00-0192	EA	72" Embedded Cylinder Pipe Repair.....	29,296.94		
33 42 11 00-0193		High-Density Polyethylene (HDPE) Drainage Piping (33 42 11)			
Note: Includes detectable tracer wire.					
33 42 11 00-0194		Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Piping (33 42 11 00-0193)			
Note: Excludes couplings and gaskets.					
33 42 11 00-0195		Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Piping (33 42 11 00-0194)			
33 42 11 00-0196	LF	4" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe.....	16.13		7.02
		For <100, Add	2.81		
		For >1,000, Deduct	-1.51		
33 42 11 00-0197	LF	6" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe.....	21.63		8.16
		For <100, Add	3.26		
		For >1,000, Deduct	-1.90		
33 42 11 00-0198	LF	8" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe.....	26.93		9.49
		For <100, Add	3.80		
		For >1,000, Deduct	-2.30		
33 42 11 00-0199	LF	10" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe.....	31.12		9.82
		For <100, Add	3.93		
		For >1,000, Deduct	-2.54		
33 42 11 00-0200	LF	12" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe.....	32.79		10.17
		For <100, Add	4.07		
		For >1,000, Deduct	-2.66		
33 42 11 00-0201	LF	15" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe.....	37.77		10.53
		For <100, Add	4.21		
		For >1,000, Deduct	-2.94		
33 42 11 00-0202	LF	18" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe.....	46.74		10.92
		For <100, Add	4.37		
		For >1,000, Deduct	-3.43		
33 42 11 00-0203	LF	24" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe.....	65.24		12.79
		For <100, Add	5.12		
		For >1,000, Deduct	-4.54		
33 42 11 00-0204	LF	30" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe.....	93.03		17.21
		For <100, Add	6.89		
		For >1,000, Deduct	-6.37		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0205	LF		36" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	122.74	21.76
			For <100, Add	8.70	
			For >1,000, Deduct	-8.31	
33 42 11 00-0206 Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Piping (33 42 11 00-0194)					
33 42 11 00-0207	LF		12" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	32.57	10.17
			For <100, Add	4.07	
			For >1,000, Deduct	-2.65	
33 42 11 00-0208	LF		15" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	38.65	10.53
			For <100, Add	4.21	
			For >1,000, Deduct	-2.99	
33 42 11 00-0209	LF		18" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	48.06	10.92
			For <100, Add	4.37	
			For >1,000, Deduct	-3.50	
33 42 11 00-0210	LF		24" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	67.33	12.79
			For <100, Add	5.12	
			For >1,000, Deduct	-4.65	
33 42 11 00-0211	LF		30" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	98.74	17.21
			For <100, Add	6.89	
			For >1,000, Deduct	-6.66	
33 42 11 00-0212	LF		36" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	126.99	21.76
			For <100, Add	8.70	
			For >1,000, Deduct	-8.53	
33 42 11 00-0213	LF		42" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	167.97	23.73
			For <100, Add	9.49	
			For >1,000, Deduct	-10.77	
33 42 11 00-0214	LF		48" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	182.70	26.78
			For <100, Add	10.71	
			For >1,000, Deduct	-11.81	
33 42 11 00-0215 Perforated, Corrugated High-Density Polyethylene (HDPE) Piping (33 42 11 00-0193)					
Note: Excludes couplings and gaskets.					
33 42 11 00-0216 Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Piping (33 42 11 00-0215)					
33 42 11 00-0217	LF		4" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe.....	17.23	7.02
			For <100, Add	2.81	
			For >1,000, Deduct	-1.56	
33 42 11 00-0218	LF		6" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe.....	21.67	8.16
			For <100, Add	3.26	
			For >1,000, Deduct	-1.90	
33 42 11 00-0219	LF		8" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe.....	26.93	9.49
			For <100, Add	3.80	
			For >1,000, Deduct	-2.30	
33 42 11 00-0220	LF		10" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe.....	31.16	9.82
			For <100, Add	3.93	
			For >1,000, Deduct	-2.54	
33 42 11 00-0221	LF		12" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe.....	32.79	10.17
			For <100, Add	4.07	
			For >1,000, Deduct	-2.66	
33 42 11 00-0222	LF		15" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe.....	37.81	10.53
			For <100, Add	4.21	
			For >1,000, Deduct	-2.94	
33 42 11 00-0223	LF		18" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe.....	46.78	10.92
			For <100, Add	4.37	
			For >1,000, Deduct	-3.43	
33 42 11 00-0224	LF		24" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe.....	65.24	12.79
			For <100, Add	5.12	
			For >1,000, Deduct	-4.54	
33 42 11 00-0225	LF		30" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe.....	93.40	17.21
			For <100, Add	6.89	
			For >1,000, Deduct	-6.39	
33 42 11 00-0226	LF		36" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe.....	122.74	21.76
			For <100, Add	8.70	
			For >1,000, Deduct	-8.31	
33 42 11 00-0227 Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Piping (33 42 11 00-0215)					
33 42 11 00-0228	LF		12" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	32.61	10.17
			For <100, Add	4.07	
			For >1,000, Deduct	-2.65	
33 42 11 00-0229	LF		15" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	38.69	10.53
			For <100, Add	4.21	
			For >1,000, Deduct	-2.99	
33 42 11 00-0230	LF		18" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	48.10	10.92
			For <100, Add	4.37	
			For >1,000, Deduct	-3.50	
33 42 11 00-0231	LF		24" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	67.33	12.79
			For <100, Add	5.12	
			For >1,000, Deduct	-4.65	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
33 42 11 00-0232	LF	30" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe For <100, Add For >1,000, Deduct	98.74 6.89 -6.66	17.21	
33 42 11 00-0233	LF	36" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe For <100, Add For >1,000, Deduct	126.99 8.70 -8.53	21.76	
33 42 11 00-0234	LF	42" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe For <100, Add For >1,000, Deduct	167.97 9.49 -10.77	23.73	
33 42 11 00-0235	LF	48" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe For <100, Add For >1,000, Deduct	182.70 10.71 -11.81	26.78	
33 42 11 00-0236		Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe Fittings (33 42 11 00-0193) Note: Excludes couplings and gaskets.			
33 42 11 00-0237		Tees, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) (33 42 11 00-0236)			
33 42 11 00-0238	EA	4" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	74.30	24.65	
33 42 11 00-0239	EA	6" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	94.26	28.76	
33 42 11 00-0240	EA	8" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	156.90	34.92	
33 42 11 00-0241	EA	10" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	243.45	43.14	
33 42 11 00-0242	EA	12" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	390.96	51.36	
33 42 11 00-0243	EA	15" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	554.00	67.11	
33 42 11 00-0244	EA	18" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	799.22	90.38	
33 42 11 00-0245	EA	24" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	1,029.68	103.17	
33 42 11 00-0246	EA	30" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	1,823.77	119.15	
33 42 11 00-0247	EA	36" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	2,348.60	137.63	
33 42 11 00-0248	EA	42" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	3,936.32	164.33	
33 42 11 00-0249	EA	48" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	4,945.28	195.15	
33 42 11 00-0250		Wyes, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) (33 42 11 00-0236)			
33 42 11 00-0251	EA	4" Wye, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	113.57	24.65	
33 42 11 00-0252	EA	6" Wye, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	137.36	28.76	
33 42 11 00-0253	EA	8" Wye, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	184.11	34.92	
33 42 11 00-0254	EA	10" Wye, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	273.44	43.14	
33 42 11 00-0255	EA	12" Wye, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	487.46	51.36	
33 42 11 00-0256	EA	15" Wye, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	524.40	67.11	
33 42 11 00-0257	EA	18" Wye, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	741.63	90.38	
33 42 11 00-0258		22-1/2 Degree Bends, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) (33 42 11 00-0236)			
33 42 11 00-0259	EA	4" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	44.61	16.44	
33 42 11 00-0260	EA	6" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	55.49	19.17	
33 42 11 00-0261	EA	8" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	82.82	23.28	
33 42 11 00-0262	EA	10" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	104.45	28.76	
33 42 11 00-0263	EA	12" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	154.52	34.24	
33 42 11 00-0264	EA	15" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	248.20	43.82	
33 42 11 00-0265	EA	18" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	328.08	60.26	
33 42 11 00-0266	EA	24" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	640.91	68.47	
33 42 11 00-0267	EA	30" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	896.79	79.42	
33 42 11 00-0268	EA	36" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	1,051.44	91.75	
33 42 11 00-0269	EA	42" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	1,346.77	109.55	
33 42 11 00-0270	EA	48" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	1,827.84	130.09	
33 42 11 00-0271		45 Degree Bends, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) (33 42 11 00-0236)			
33 42 11 00-0272	EA	4" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	48.90	16.44	
33 42 11 00-0273	EA	6" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	64.44	19.17	
33 42 11 00-0274	EA	8" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	87.39	23.28	
33 42 11 00-0275	EA	10" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	141.63	28.76	
33 42 11 00-0276	EA	12" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	154.52	34.24	
33 42 11 00-0277	EA	15" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	247.46	43.82	
33 42 11 00-0278	EA	18" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	388.04	60.26	
33 42 11 00-0279	EA	24" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	687.23	68.47	
33 42 11 00-0280	EA	30" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	898.99	79.42	
33 42 11 00-0281	EA	36" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	1,151.27	91.75	
33 42 11 00-0282	EA	42" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	1,732.07	109.55	
33 42 11 00-0283	EA	48" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	2,173.18	130.09	
33 42 11 00-0284		Couplings And End Caps, Corrugated High-Density Polyethylene (HDPE) Pipe Fittings (33 42 11 00-0193) Note: For single and double wall high-density polyethylene (HDPE) piping.			

		Utilities	33	CS
		Stormwater Utilities	33 40	
		Stormwater Conveyance	33 42	
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	

33 42 11 00-0285	Couplings, Corrugated High-Density Polyethylene (HDPE) Pipe (33 42 11 00-0284)	
33 42 11 00-0286	EA 4" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	2.56
33 42 11 00-0287	EA 6" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	4.60
33 42 11 00-0288	EA 8" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	7.08
33 42 11 00-0289	EA 10" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	8.70
33 42 11 00-0290	EA 12" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	9.36
33 42 11 00-0291	EA 15" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	13.33
33 42 11 00-0292	EA 18" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	19.72
33 42 11 00-0293	EA 24" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	31.39
33 42 11 00-0294	EA 30" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	48.19
33 42 11 00-0295	EA 36" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	63.06
33 42 11 00-0296	EA 42" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	99.14
33 42 11 00-0297	EA 48" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	134.09

33 42 11 00-0298	Self-Adhering Gaskets, Corrugated High-Density Polyethylene (HDPE) Pipe (33 42 11 00-0284)	
33 42 11 00-0299	EA 4" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	135.77
33 42 11 00-0300	EA 6" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	142.16
33 42 11 00-0301	EA 8" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	148.85
33 42 11 00-0302	EA 10" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	155.84
33 42 11 00-0303	EA 12" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	184.84
33 42 11 00-0304	EA 15" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	190.85
33 42 11 00-0305	EA 18" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	199.05
33 42 11 00-0306	EA 24" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	226.73
33 42 11 00-0307	EA 30" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	363.46
33 42 11 00-0308	EA 36" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	398.10
33 42 11 00-0309	EA 42" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	433.77
33 42 11 00-0310	EA 48" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	526.82

33 42 11 00-0311	End Caps, Corrugated High-Density Polyethylene (HDPE) Pipe (33 42 11 00-0284)	
33 42 11 00-0312	EA 6" End Cap For Corrugated High-Density Polyethylene (HDPE) Pipe	34.53
33 42 11 00-0313	EA 8" End Cap For Corrugated High-Density Polyethylene (HDPE) Pipe	40.53
33 42 11 00-0314	EA 10" End Cap For Corrugated High-Density Polyethylene (HDPE) Pipe	65.69
33 42 11 00-0315	EA 12" End Cap For Corrugated High-Density Polyethylene (HDPE) Pipe	111.74
33 42 11 00-0316	EA 15" End Cap For Corrugated High-Density Polyethylene (HDPE) Pipe	130.02
33 42 11 00-0317	EA 18" End Cap For Corrugated High-Density Polyethylene (HDPE) Pipe	175.77
33 42 11 00-0318	EA 24" End Cap For Corrugated High-Density Polyethylene (HDPE) Pipe	182.14

33 42 11 00-0319	Vitrified Clay Piping (33 42 11)	
33 42 11 00-0320	Extra Strength Vitrified Clay Piping (33 42 11 00-0319)	
33 42 11 00-0321	Plain Joint, Extra Strength, Vitrified Clay Piping (33 42 11 00-0320)	
Note: ASTM C700.		
33 42 11 00-0322	LF 4" Plain Joint, Extra Strength, Vitrified Clay Pipe	22.03
	For 3' Lengths, Add	1.93
	For 2' Lengths, Add	2.57
	For Standard Strength, Deduct	-0.64
	For >1,000, Deduct	-1.10
33 42 11 00-0323	LF 6" Plain Joint, Extra Strength, Vitrified Clay Pipe	36.56
	For 3' Lengths, Add	2.99
	For 2' Lengths, Add	3.99
	For Standard Strength, Deduct	-1.00
	For >1,000, Deduct	-1.83
33 42 11 00-0324	LF 8" Plain Joint, Extra Strength, Vitrified Clay Pipe	43.80
	For 3' Lengths, Add	4.28
	For 2' Lengths, Add	5.71
	For Standard Strength, Deduct	-1.43
	For >1,000, Deduct	-2.19
33 42 11 00-0325	LF 10" Plain Joint, Extra Strength, Vitrified Clay Pipe	52.65
	For 3' Lengths, Add	6.56
	For 2' Lengths, Add	8.74
	For Standard Strength, Deduct	-2.19
	For >1,000, Deduct	-2.63
33 42 11 00-0326	LF 12" Plain Joint, Extra Strength, Vitrified Clay Pipe	64.45
	For 3' Lengths, Add	9.26
	For 2' Lengths, Add	12.34
	For Standard Strength, Deduct	-3.09
	For >1,000, Deduct	-3.22
33 42 11 00-0327	LF 15" Plain Joint, Extra Strength, Vitrified Clay Pipe	95.23
	For 3' Lengths, Add	17.35
	For 2' Lengths, Add	23.14
	For Standard Strength, Deduct	-5.78
	For >1,000, Deduct	-4.76
33 42 11 00-0328	LF 18" Plain Joint, Extra Strength, Vitrified Clay Pipe	129.52
	For 3' Lengths, Add	24.87
	For 2' Lengths, Add	33.16
	For Standard Strength, Deduct	-8.29
	For >1,000, Deduct	-6.48
33 42 11 00-0329	LF 21" Plain Joint, Extra Strength, Vitrified Clay Pipe	191.60
	For 3' Lengths, Add	39.84
	For 2' Lengths, Add	53.12
	For Standard Strength, Deduct	-13.28
	For >1,000, Deduct	-9.58

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 42 11 00-0330	LF	24" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	244.91
		For 3' Lengths, Add	52.05
		For 2' Lengths, Add	69.40
		For Standard Strength, Deduct	-17.35
		For >1,000, Deduct	-12.25
33 42 11 00-0331	LF	30" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	303.05
		For 3' Lengths, Add	64.91
		For 2' Lengths, Add	86.54
		For Standard Strength, Deduct	-21.64
		For >1,000, Deduct	-15.15
33 42 11 00-0332	LF	36" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	366.61
		For 3' Lengths, Add	78.40
		For 2' Lengths, Add	104.54
		For Standard Strength, Deduct	-26.13
		For >1,000, Deduct	-18.33

33 42 11 00-0333 Compression Joint, Extra Strength, Vitrified Clay Piping (33 42 11 00-0320)

Note: ASTM C425.

33 42 11 00-0334	LF	4" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	31.20
		For 3' Lengths, Add	2.27
		For 2' Lengths, Add	3.03
		For Standard Strength, Deduct	-0.76
		For >1,000, Deduct	-1.56
33 42 11 00-0335	LF	6" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	38.96
		For 3' Lengths, Add	3.71
		For 2' Lengths, Add	4.95
		For Standard Strength, Deduct	-1.24
		For >1,000, Deduct	-1.95
33 42 11 00-0336	LF	8" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	47.01
		For 3' Lengths, Add	5.24
		For 2' Lengths, Add	6.99
		For Standard Strength, Deduct	-1.75
		For >1,000, Deduct	-2.35
33 42 11 00-0337	LF	10" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	59.50
		For 3' Lengths, Add	8.61
		For 2' Lengths, Add	11.48
		For Standard Strength, Deduct	-2.87
		For >1,000, Deduct	-2.98
33 42 11 00-0338	LF	12" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	71.30
		For 3' Lengths, Add	11.31
		For 2' Lengths, Add	15.08
		For Standard Strength, Deduct	-3.77
		For >1,000, Deduct	-3.57
33 42 11 00-0339	LF	15" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	106.15
		For 3' Lengths, Add	20.63
		For 2' Lengths, Add	27.50
		For Standard Strength, Deduct	-6.88
		For >1,000, Deduct	-5.31
33 42 11 00-0340	LF	18" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	147.30
		For 3' Lengths, Add	30.20
		For 2' Lengths, Add	40.27
		For Standard Strength, Deduct	-10.07
		For >1,000, Deduct	-7.37
33 42 11 00-0341	LF	21" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	211.95
		For 3' Lengths, Add	45.95
		For 2' Lengths, Add	61.26
		For Standard Strength, Deduct	-15.32
		For >1,000, Deduct	-10.60
33 42 11 00-0342	LF	24" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	277.04
		For 3' Lengths, Add	61.69
		For 2' Lengths, Add	82.26
		For Standard Strength, Deduct	-20.56
		For >1,000, Deduct	-13.85
33 42 11 00-0343	LF	30" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	444.43
		For 3' Lengths, Add	107.32
		For 2' Lengths, Add	143.09
		For Standard Strength, Deduct	-35.77
		For >1,000, Deduct	-22.22
33 42 11 00-0344	LF	36" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	632.23
		For 3' Lengths, Add	158.09
		For 2' Lengths, Add	210.78
		For Standard Strength, Deduct	-52.70
		For >1,000, Deduct	-31.61

33 42 11 00-0345 Extra Strength, Vitrified Clay Pipe Fittings (33 42 11 00-0319)**33 42 11 00-0346 1/8 Bends, Extra Strength, Vitrified Clay (33 42 11 00-0345)****33 42 11 00-0347 Plain End 1/8 Bend, Extra Strength, Vitrified Clay (33 42 11 00-0346)**

33 42 11 00-0348	EA	4" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	92.65
33 42 11 00-0349	EA	6" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	125.29
33 42 11 00-0350	EA	8" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	179.47
33 42 11 00-0351	EA	10" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	247.21
33 42 11 00-0352	EA	12" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	327.00
33 42 11 00-0353	EA	15" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	783.75
33 42 11 00-0354	EA	18" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	1,105.82
33 42 11 00-0355	EA	21" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	1,726.27
33 42 11 00-0356	EA	24" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	1,992.13

	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 42 11 00-0357	EA	30"	Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	2,312.94	
33 42 11 00-0358	EA	36"	Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	3,472.11	

33 42 11 00-0359 Compression Joint 1/8 Bends, Extra Strength, Vitrified Clay (33 42 11 00-0346)

33 42 11 00-0360	EA	4"	Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	104.63	
33 42 11 00-0361	EA	6"	Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	149.12	
33 42 11 00-0362	EA	8"	Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	202.35	
33 42 11 00-0363	EA	10"	Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	271.75	
33 42 11 00-0364	EA	12"	Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	345.27	
33 42 11 00-0365	EA	15"	Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	879.02	
33 42 11 00-0366	EA	18"	Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	1,279.39	
33 42 11 00-0367	EA	21"	Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	1,314.47	
33 42 11 00-0368	EA	24"	Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	2,551.55	
33 42 11 00-0369	EA	30"	Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	2,840.91	
33 42 11 00-0370	EA	36"	Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	4,221.43	

33 42 11 00-0371 1/4 Bends, Extra Strength, Vitrified Clay (33 42 11 00-0345)

33 42 11 00-0372 Plain End 1/4 Bends, Extra Strength, Vitrified Clay (33 42 11 00-0371)

33 42 11 00-0373	EA	4"	Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	108.23	
33 42 11 00-0374	EA	6"	Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	144.07	
33 42 11 00-0375	EA	8"	Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	201.44	
33 42 11 00-0376	EA	10"	Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	271.07	
33 42 11 00-0377	EA	12"	Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	353.88	
33 42 11 00-0378	EA	15"	Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	813.65	
33 42 11 00-0379	EA	18"	Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	1,143.10	
33 42 11 00-0380	EA	21"	Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	1,773.30	
33 42 11 00-0381	EA	24"	Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	2,049.25	
33 42 11 00-0382	EA	30"	Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	2,384.18	
33 42 11 00-0383	EA	36"	Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	3,551.29	

33 42 11 00-0384 Compression Joint 1/4 Bends, Extra Strength, Vitrified Clay (33 42 11 00-0371)

33 42 11 00-0385	EA	4"	Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	123.35	
33 42 11 00-0386	EA	6"	Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	171.65	
33 42 11 00-0387	EA	8"	Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	228.72	
33 42 11 00-0388	EA	10"	Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	300.38	
33 42 11 00-0389	EA	12"	Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	377.53	
33 42 11 00-0390	EA	15"	Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	914.91	
33 42 11 00-0391	EA	18"	Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	1,324.14	
33 42 11 00-0392	EA	21"	Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	2,571.70	
33 42 11 00-0393	EA	24"	Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	2,620.08	
33 42 11 00-0394	EA	30"	Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	2,926.39	
33 42 11 00-0395	EA	36"	Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	4,316.44	

33 42 11 00-0396 Wyes Or Tees, Extra Strength, Vitrified Clay (33 42 11 00-0345)

33 42 11 00-0397 Plain End Wyes Or Tees, Extra Strength, Vitrified Clay (33 42 11 00-0396)

33 42 11 00-0398	EA	4"	Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	118.73	
33 42 11 00-0399	EA	6"	Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	155.16	
33 42 11 00-0400	EA	8"	Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	211.24	
33 42 11 00-0401	EA	10"	Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	279.81	
33 42 11 00-0402	EA	12"	Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	354.07	
33 42 11 00-0403	EA	15"	Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	821.23	
33 42 11 00-0404	EA	18"	Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	1,149.69	
33 42 11 00-0405	EA	21"	Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	1,661.83	
33 42 11 00-0406	EA	24"	Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	2,313.42	
33 42 11 00-0407	EA	30"	Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	2,447.34	
33 42 11 00-0408	EA	36"	Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	3,522.14	

33 42 11 00-0409 Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay (33 42 11 00-0396)

33 42 11 00-0410	EA	4"	Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	145.08	
33 42 11 00-0411	EA	6"	Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	199.29	
33 42 11 00-0412	EA	8"	Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	262.78	
33 42 11 00-0413	EA	10"	Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	340.63	
33 42 11 00-0414	EA	12"	Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	425.31	
33 42 11 00-0415	EA	15"	Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	999.00	
33 42 11 00-0416	EA	18"	Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	1,440.47	
33 42 11 00-0417	EA	21"	Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	2,139.55	
33 42 11 00-0418	EA	24"	Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	2,835.24	
33 42 11 00-0419	EA	30"	Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	3,279.01	
33 42 11 00-0420	EA	36"	Compression Joint, Extra Strength, Vitrified Clay Wye Or Tee.....	4,657.48	

33 42 11 00-0421 Vitrified Clay Couplings (33 42 11 00-0319)

33 42 11 00-0422 Vitrified Clay To Cast Iron Or Plastic Pipe Couplings (33 42 11 00-0421)

Note: Stainless steel tightening band at each end (Fermco #1002)

33 42 11 00-0423	EA	4" x 3"	Vitrified Clay To Cast Iron Or Plastic Pipe Coupling.....	37.07	
33 42 11 00-0424	EA	4" x 4"	Vitrified Clay To Cast Iron Or Plastic Pipe Coupling.....	36.73	
33 42 11 00-0425	EA	5" x 4"	Vitrified Clay To Cast Iron Or Plastic Pipe Coupling.....	50.00	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 42 11 00-0426	EA	5" x 5" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling.....	47.29	
33 42 11 00-0427	EA	6" x 4" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling.....	60.80	
33 42 11 00-0428	EA	6" x 5" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling.....	63.16	
33 42 11 00-0429	EA	6" x 6" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling.....	57.95	
33 42 11 00-0430	EA	8" x 6" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling.....	82.80	
33 42 11 00-0431	EA	8" x 8" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling.....	76.84	
33 42 11 00-0432	EA	10" x 8" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling.....	107.63	
33 42 11 00-0433	EA	10" x 10" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling.....	98.43	
33 42 11 00-0434	EA	12" x 10" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling.....	133.16	
33 42 11 00-0435	EA	12" x 12" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling.....	112.02	
33 42 11 00-0436	EA	15" x 12" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling.....	222.79	
33 42 11 00-0437	EA	15" x 15" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling.....	172.40	

33 42 11 00-0438 Vitrified Clay To Vitrified Clay Pipe Non-Shear Couplings (33 42 11 00-0421)

Note: Stainless steel tightening band at each end. (NDS Non-shear)

33 42 11 00-0439	EA	4" x 4" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling.....	76.05	
33 42 11 00-0440	EA	6" x 4" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling.....	101.33	
33 42 11 00-0441	EA	6" x 6" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling.....	107.18	
33 42 11 00-0442	EA	8" x 8" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling.....	112.36	
33 42 11 00-0443	EA	10" x 10" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling.....	138.82	
33 42 11 00-0444	EA	12" x 12" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling.....	161.11	

33 42 11 00-0445 Vitrified Clay To Plastic Pipe Non-Shear Couplings (33 42 11 00-0421)

Note: Stainless steel tightening band at each end. (NDS Non-shear)

33 42 11 00-0446	EA	4" x 4" Vitrified Clay To Plastic Pipe Non-Shear Coupling.....	78.01	
33 42 11 00-0447	EA	6" x 4" Vitrified Clay To Plastic Pipe Non-Shear Coupling.....	103.29	
33 42 11 00-0448	EA	6" x 6" Vitrified Clay To Plastic Pipe Non-Shear Coupling.....	94.57	
33 42 11 00-0449	EA	8" x 8" Vitrified Clay To Plastic Pipe Non-Shear Coupling.....	124.09	
33 42 11 00-0450	EA	10" x 10" Vitrified Clay To Plastic Pipe Non-Shear Coupling.....	179.87	
33 42 11 00-0451	EA	12" x 12" Vitrified Clay To Plastic Pipe Non-Shear Coupling.....	203.27	

33 42 11 00-0452 Corrugated Metal Piping (33 42 11)**33 42 11 00-0453 Galvanized Corrugated Steel Piping (33 42 11 00-0452)****33 42 11 00-0454 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0453)****33 42 11 00-0455 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0454)**

33 42 11 00-0456	LF	12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	41.94	10.63
		For Bituminous Coated Pipe, Add	4.80	
		For Bituminous Coated And 25% Paved, Add	9.82	
		For Smooth-Flo, Add	17.54	
33 42 11 00-0457	LF	15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	47.86	11.14
		For Bituminous Coated Pipe, Add	6.05	
		For Bituminous Coated And 25% Paved, Add	12.37	
		For Smooth-Flo, Add	22.08	
33 42 11 00-0458	LF	18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	53.98	12.15
		For Bituminous Coated Pipe, Add	7.32	
		For Bituminous Coated And 25% Paved, Add	14.98	
		For Smooth-Flo, Add	26.75	
33 42 11 00-0459	LF	21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	61.79	13.17
		For Bituminous Coated Pipe, Add	8.76	
		For Bituminous Coated And 25% Paved, Add	17.92	
		For Smooth-Flo, Add	32.00	
33 42 11 00-0460	LF	24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	68.51	14.18
		For Bituminous Coated Pipe, Add	9.86	
		For Bituminous Coated And 25% Paved, Add	20.16	
		For Smooth-Flo, Add	36.01	
33 42 11 00-0461	LF	30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	90.25	18.23
		For Bituminous Coated Pipe, Add	12.79	
		For Bituminous Coated And 25% Paved, Add	26.16	
		For Smooth-Flo, Add	46.72	
33 42 11 00-0462	LF	36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	117.37	23.91
		For Bituminous Coated Pipe, Add	16.13	
		For Bituminous Coated And 25% Paved, Add	33.00	
		For Smooth-Flo, Add	58.93	
33 42 11 00-0463	LF	42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	134.20	28.26
		For Bituminous Coated Pipe, Add	19.09	
		For Bituminous Coated And 25% Paved, Add	39.05	
		For Smooth-Flo, Add	69.73	
33 42 11 00-0464	LF	48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	150.76	32.60
		For Bituminous Coated Pipe, Add	21.38	
		For Bituminous Coated And 25% Paved, Add	43.73	
		For Smooth-Flo, Add	78.10	

33 42 11 00-0465 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0454)

33 42 11 00-0466	LF	12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	46.23	10.63
		For Bituminous Coated Pipe, Add	4.87	
		For Bituminous Coated And 25% Paved, Add	11.29	
		For Smooth-Flo, Add	22.83	
33 42 11 00-0467	LF	15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	53.14	11.14
		For Bituminous Coated Pipe, Add	6.11	
		For Bituminous Coated And 25% Paved, Add	14.16	
		For Smooth-Flo, Add	28.63	

			Utilities	33	CS
			Stormwater Utilities	33 40	
			Stormwater Conveyance	33 42	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0468	LF	18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	60.37	12.15
		For Bituminous Coated Pipe, Add	7.40	
		For Bituminous Coated And 25% Paved, Add	17.15	
		For Smooth-Flo, Add	34.67	
33 42 11 00-0469	LF	21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	69.17	13.17
		For Bituminous Coated Pipe, Add	8.80	
		For Bituminous Coated And 25% Paved, Add	20.40	
		For Smooth-Flo, Add	41.23	
33 42 11 00-0470	LF	24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	77.09	14.18
		For Bituminous Coated Pipe, Add	9.96	
		For Bituminous Coated And 25% Paved, Add	23.08	
		For Smooth-Flo, Add	46.65	
33 42 11 00-0471	LF	30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	100.72	18.23
		For Bituminous Coated Pipe, Add	12.79	
		For Bituminous Coated And 25% Paved, Add	29.63	
		For Smooth-Flo, Add	59.90	
33 42 11 00-0472	LF	36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	130.09	23.91
		For Bituminous Coated Pipe, Add	16.03	
		For Bituminous Coated And 25% Paved, Add	37.15	
		For Smooth-Flo, Add	75.09	
33 42 11 00-0473	LF	42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	148.76	28.26
		For Bituminous Coated Pipe, Add	18.87	
		For Bituminous Coated And 25% Paved, Add	43.73	
		For Smooth-Flo, Add	88.39	
33 42 11 00-0474	LF	48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	167.41	32.60
		For Bituminous Coated Pipe, Add	21.21	
		For Bituminous Coated And 25% Paved, Add	49.14	
		For Smooth-Flo, Add	99.33	
33 42 11 00-0475	LF	54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	200.73	36.95
		For Bituminous Coated Pipe, Add	26.08	
		For Bituminous Coated And 25% Paved, Add	60.43	
		For Smooth-Flo, Add	122.16	
33 42 11 00-0476		12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping ⁽³³		
		^{42 11 00-0454)}		
33 42 11 00-0477	LF	18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	73.58	12.15
		For Bituminous Coated Pipe, Add	8.48	
		For Bituminous Coated And 25% Paved, Add	15.31	
		For Smooth-Flo, Add	29.42	
33 42 11 00-0478	LF	21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	84.52	13.17
		For Bituminous Coated Pipe, Add	10.02	
		For Bituminous Coated And 25% Paved, Add	18.09	
		For Smooth-Flo, Add	34.77	
33 42 11 00-0479	LF	24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	94.59	13.17
		For Bituminous Coated Pipe, Add	11.36	
		For Bituminous Coated And 25% Paved, Add	20.51	
		For Smooth-Flo, Add	39.42	
33 42 11 00-0480	LF	30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	122.36	18.23
		For Bituminous Coated Pipe, Add	14.44	
		For Bituminous Coated And 25% Paved, Add	26.08	
		For Smooth-Flo, Add	50.13	
33 42 11 00-0481	LF	36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	155.76	23.91
		For Bituminous Coated Pipe, Add	17.86	
		For Bituminous Coated And 25% Paved, Add	32.25	
		For Smooth-Flo, Add	61.98	
33 42 11 00-0482	LF	42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	178.42	28.26
		For Bituminous Coated Pipe, Add	20.93	
		For Bituminous Coated And 25% Paved, Add	37.79	
		For Smooth-Flo, Add	72.63	
33 42 11 00-0483	LF	48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	201.42	32.60
		For Bituminous Coated Pipe, Add	23.63	
		For Bituminous Coated And 25% Paved, Add	42.68	
		For Smooth-Flo, Add	82.02	
33 42 11 00-0484	LF	54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	238.28	36.95
		For Bituminous Coated Pipe, Add	28.34	
		For Bituminous Coated And 25% Paved, Add	51.17	
		For Smooth-Flo, Add	98.34	
33 42 11 00-0485	LF	60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	260.55	39.12
		For Bituminous Coated Pipe, Add	31.03	
		For Bituminous Coated And 25% Paved, Add	56.04	
		For Smooth-Flo, Add	107.69	
33 42 11 00-0486	LF	66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	315.85	47.82
		For Bituminous Coated Pipe, Add	37.78	
		For Bituminous Coated And 25% Paved, Add	68.22	
		For Smooth-Flo, Add	131.11	
33 42 11 00-0487		10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping ⁽³³		
		^{42 11 00-0454)}		
33 42 11 00-0488	LF	36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	179.79	23.91
		For Bituminous Coated Pipe, Add	22.72	
		For Bituminous Coated And 25% Paved, Add	37.95	
		For Smooth-Flo, Add	54.15	
33 42 11 00-0489	LF	42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	206.54	28.26
		For Bituminous Coated Pipe, Add	26.61	
		For Bituminous Coated And 25% Paved, Add	44.46	
		For Smooth-Flo, Add	63.44	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
33 42 11 00-0490	LF	48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	233.33	32.60	
		For Bituminous Coated Pipe, Add	30.08		
		For Bituminous Coated And 25% Paved, Add	50.25		
		For Smooth-Flo, Add	71.70		
33 42 11 00-0491	LF	54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	274.03	36.95	
		For Bituminous Coated Pipe, Add	35.63		
		For Bituminous Coated And 25% Paved, Add	59.51		
		For Smooth-Flo, Add	84.92		
33 42 11 00-0492	LF	60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	300.34	39.12	
		For Bituminous Coated Pipe, Add	39.13		
		For Bituminous Coated And 25% Paved, Add	65.36		
		For Smooth-Flo, Add	93.26		
33 42 11 00-0493	LF	66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	359.58	47.82	
		For Bituminous Coated Pipe, Add	46.81		
		For Bituminous Coated And 25% Paved, Add	78.19		
		For Smooth-Flo, Add	111.57		
33 42 11 00-0494	LF	72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	423.85	69.55	
		For Bituminous Coated Pipe, Add	50.26		
		For Bituminous Coated And 25% Paved, Add	83.95		
		For Smooth-Flo, Add	119.78		
33 42 11 00-0495		3" x 1" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0453)			
33 42 11 00-0496		16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0495)			
33 42 11 00-0497	LF	36" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	139.41	23.91	
		For Bituminous Coated Pipe, Add	17.74		
		For Bituminous Coated And 25% Paved, Add	40.27		
		For Smooth-Flo, Add	80.18		
33 42 11 00-0498	LF	42" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	159.48	28.26	
		For Bituminous Coated Pipe, Add	20.83		
		For Bituminous Coated And 25% Paved, Add	47.29		
		For Smooth-Flo, Add	94.16		
33 42 11 00-0499	LF	48" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	179.23	32.60	
		For Bituminous Coated Pipe, Add	23.36		
		For Bituminous Coated And 25% Paved, Add	53.04		
		For Smooth-Flo, Add	105.61		
33 42 11 00-0500	LF	54" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	214.30	36.95	
		For Bituminous Coated Pipe, Add	28.54		
		For Bituminous Coated And 25% Paved, Add	64.79		
		For Smooth-Flo, Add	129.00		
33 42 11 00-0501	LF	60" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	233.48	39.12	
		For Bituminous Coated Pipe, Add	31.09		
		For Bituminous Coated And 25% Paved, Add	70.58		
		For Smooth-Flo, Add	140.54		
33 42 11 00-0502	LF	66" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	293.32	47.82	
		For Bituminous Coated Pipe, Add	39.94		
		For Bituminous Coated And 25% Paved, Add	90.66		
		For Smooth-Flo, Add	180.52		
33 42 11 00-0503	LF	72" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	351.16	69.55	
		For Bituminous Coated Pipe, Add	42.57		
		For Bituminous Coated And 25% Paved, Add	96.63		
		For Smooth-Flo, Add	192.42		
33 42 11 00-0504	LF	78" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	378.20	76.07	
		For Bituminous Coated Pipe, Add	45.21		
		For Bituminous Coated And 25% Paved, Add	102.63		
		For Smooth-Flo, Add	204.36		
33 42 11 00-0505	LF	84" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	402.27	81.51	
		For Bituminous Coated Pipe, Add	47.85		
		For Bituminous Coated And 25% Paved, Add	108.63		
		For Smooth-Flo, Add	216.30		
33 42 11 00-0506	LF	90" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	426.42	86.94	
		For Bituminous Coated Pipe, Add	50.51		
		For Bituminous Coated And 25% Paved, Add	114.65		
		For Smooth-Flo, Add	228.30		
33 42 11 00-0507	LF	96" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	451.23	92.37	
		For Bituminous Coated Pipe, Add	53.14		
		For Bituminous Coated And 25% Paved, Add	120.63		
		For Smooth-Flo, Add	240.19		
33 42 11 00-0508	LF	102" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	479.19	97.80	
		For Bituminous Coated Pipe, Add	55.80		
		For Bituminous Coated And 25% Paved, Add	126.67		
		For Smooth-Flo, Add	252.23		
33 42 11 00-0509		14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0495)			
33 42 11 00-0510	LF	54" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	236.78	36.95	
		For Bituminous Coated Pipe, Add	33.04		
		For Bituminous Coated And 25% Paved, Add	64.75		
		For Smooth-Flo, Add	130.82		
33 42 11 00-0511	LF	60" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	258.36	39.12	
		For Bituminous Coated Pipe, Add	36.07		
		For Bituminous Coated And 25% Paved, Add	70.69		
		For Smooth-Flo, Add	142.83		
33 42 11 00-0512	LF	66" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	320.69	47.82	
		For Bituminous Coated Pipe, Add	45.41		
		For Bituminous Coated And 25% Paved, Add	89.01		
		For Smooth-Flo, Add	179.83		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0513	LF	72" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	380.97 48.53 95.12 192.19	69.55
33 42 11 00-0514	LF	78" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	410.41 51.65 101.24 204.55	76.07
33 42 11 00-0515	LF	84" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	437.03 54.81 107.42 217.03	81.51
33 42 11 00-0516	LF	90" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	463.51 57.93 113.53 229.39	86.94
33 42 11 00-0517	LF	96" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	490.77 61.05 119.65 241.75	92.37
33 42 11 00-0518	LF	102" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	521.12 64.19 125.81 254.18	97.80
33 42 11 00-0519	LF	108" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	554.00 67.33 131.97 266.63	108.67
33 42 11 00-0520	LF	114" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	586.11 70.41 138.00 278.82	119.54
33 42 11 00-0521		12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0495)		
33 42 11 00-0522	LF	60" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	313.55 47.11 89.74 146.26	39.12
33 42 11 00-0523	LF	66" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	381.81 57.64 109.80 178.96	47.82
33 42 11 00-0524	LF	72" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	447.44 61.83 117.78 191.97	69.55
33 42 11 00-0525	LF	78" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	482.26 66.02 125.78 205.00	76.07
33 42 11 00-0526	LF	84" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	514.21 70.24 133.81 218.10	81.51
33 42 11 00-0527	LF	90" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	546.08 74.44 141.81 231.14	86.94
33 42 11 00-0528	LF	96" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	578.77 78.65 149.82 244.20	92.37
33 42 11 00-0529	LF	102" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	614.51 82.87 157.86 257.30	97.80
33 42 11 00-0530	LF	108" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	652.67 87.06 165.86 270.33	108.67
33 42 11 00-0531	LF	114" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	690.22 91.23 173.80 283.28	119.54
33 42 11 00-0532	LF	120" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	726.66 95.45 181.83 296.37	130.41
33 42 11 00-0533		10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0495)		
33 42 11 00-0534	LF	72" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	509.41 74.22 141.02 188.52	69.55

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
33 42 11 00-0535	LF 78" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	549.32		76.07	
	For Bituminous Coated Pipe, Add	79.44			
	For Bituminous Coated And 25% Paved, Add	150.93			
	For Smooth-Flo, Add	201.77			
33 42 11 00-0536	LF 84" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	586.35		81.51	
	For Bituminous Coated Pipe, Add	84.67			
	For Bituminous Coated And 25% Paved, Add	160.87			
	For Smooth-Flo, Add	215.06			
33 42 11 00-0537	LF 90" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	623.31		86.94	
	For Bituminous Coated Pipe, Add	89.89			
	For Bituminous Coated And 25% Paved, Add	170.78			
	For Smooth-Flo, Add	228.31			
33 42 11 00-0538	LF 96" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	661.09		92.37	
	For Bituminous Coated Pipe, Add	95.11			
	For Bituminous Coated And 25% Paved, Add	180.71			
	For Smooth-Flo, Add	241.58			
33 42 11 00-0539	LF 102" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	701.91		97.80	
	For Bituminous Coated Pipe, Add	100.35			
	For Bituminous Coated And 25% Paved, Add	190.66			
	For Smooth-Flo, Add	254.88			
33 42 11 00-0540	LF 108" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	745.16		108.67	
	For Bituminous Coated Pipe, Add	105.56			
	For Bituminous Coated And 25% Paved, Add	200.57			
	For Smooth-Flo, Add	268.13			
33 42 11 00-0541	LF 114" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	787.74		119.54	
	For Bituminous Coated Pipe, Add	110.74			
	For Bituminous Coated And 25% Paved, Add	210.40			
	For Smooth-Flo, Add	281.27			
33 42 11 00-0542	LF 120" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	829.32		130.41	
	For Bituminous Coated Pipe, Add	115.98			
	For Bituminous Coated And 25% Paved, Add	220.37			
	For Smooth-Flo, Add	294.59			
33 42 11 00-0543	LF 126" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	872.80		141.27	
	For Bituminous Coated Pipe, Add	121.18			
	For Bituminous Coated And 25% Paved, Add	230.24			
	For Smooth-Flo, Add	307.79			
33 42 11 00-0544	LF 132" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	919.11		152.14	
	For Bituminous Coated Pipe, Add	126.41			
	For Bituminous Coated And 25% Paved, Add	240.18			
	For Smooth-Flo, Add	321.09			
33 42 11 00-0545	LF 138" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	968.78		163.00	
	For Bituminous Coated Pipe, Add	131.66			
	For Bituminous Coated And 25% Paved, Add	250.15			
	For Smooth-Flo, Add	334.41			
33 42 11 00-0546	125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0453)				
33 42 11 00-0547	16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0546)				
33 42 11 00-0548	LF 48" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	179.88		32.60	
	For Bituminous Coated Pipe, Add	29.37			
	For Bituminous Coated And 25% Paved, Add	66.96			
	For Smooth-Flo, Add	106.31			
33 42 11 00-0549	LF 54" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	215.54		36.95	
	For Bituminous Coated Pipe, Add	35.99			
	For Bituminous Coated And 25% Paved, Add	82.05			
	For Smooth-Flo, Add	130.27			
33 42 11 00-0550	LF 60" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	234.58		39.12	
	For Bituminous Coated Pipe, Add	39.14			
	For Bituminous Coated And 25% Paved, Add	89.24			
	For Smooth-Flo, Add	141.69			
33 42 11 00-0551	LF 66" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	290.72		47.82	
	For Bituminous Coated Pipe, Add	49.27			
	For Bituminous Coated And 25% Paved, Add	112.34			
	For Smooth-Flo, Add	178.37			
33 42 11 00-0552	LF 72" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	348.27		69.55	
	For Bituminous Coated Pipe, Add	52.49			
	For Bituminous Coated And 25% Paved, Add	119.68			
	For Smooth-Flo, Add	190.01			
33 42 11 00-0553	LF 78" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	374.91		76.07	
	For Bituminous Coated Pipe, Add	55.69			
	For Bituminous Coated And 25% Paved, Add	126.98			
	For Smooth-Flo, Add	201.61			
33 42 11 00-0554	LF 84" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	398.53		81.51	
	For Bituminous Coated Pipe, Add	58.88			
	For Bituminous Coated And 25% Paved, Add	134.25			
	For Smooth-Flo, Add	213.15			
33 42 11 00-0555	LF 90" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	422.13		86.94	
	For Bituminous Coated Pipe, Add	62.06			
	For Bituminous Coated And 25% Paved, Add	141.50			
	For Smooth-Flo, Add	224.67			
33 42 11 00-0556	LF 96" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	446.69		92.37	
	For Bituminous Coated Pipe, Add	65.29			
	For Bituminous Coated And 25% Paved, Add	148.86			
	For Smooth-Flo, Add	236.35			
33 42 11 00-0557	LF 102" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	474.55		97.80	
	For Bituminous Coated Pipe, Add	68.59			
	For Bituminous Coated And 25% Paved, Add	156.39			
	For Smooth-Flo, Add	248.30			

			Utilities	33	CS
			Stormwater Utilities	33 40	
			Stormwater Conveyance	33 42	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 42 11 00-0558 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0546)

33 42 11 00-0559	LF	54"	14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	243.66	36.95
			For Bituminous Coated Pipe, Add	34.41	
			For Bituminous Coated And 25% Paved, Add	80.87	
			For Smooth-Flo, Add	146.42	
33 42 11 00-0560	LF	60"	14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	265.84	39.12
			For Bituminous Coated Pipe, Add	37.56	
			For Bituminous Coated And 25% Paved, Add	88.28	
			For Smooth-Flo, Add	159.83	
33 42 11 00-0561	LF	66"	14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	324.83	47.82
			For Bituminous Coated Pipe, Add	46.24	
			For Bituminous Coated And 25% Paved, Add	108.66	
			For Smooth-Flo, Add	196.75	
33 42 11 00-0562	LF	72"	14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	385.11	69.55
			For Bituminous Coated Pipe, Add	49.36	
			For Bituminous Coated And 25% Paved, Add	116.00	
			For Smooth-Flo, Add	210.03	
33 42 11 00-0563	LF	78"	14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	415.10	76.07
			For Bituminous Coated Pipe, Add	52.59	
			For Bituminous Coated And 25% Paved, Add	123.59	
			For Smooth-Flo, Add	223.78	
33 42 11 00-0564	LF	84"	14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	441.86	81.51
			For Bituminous Coated Pipe, Add	55.77	
			For Bituminous Coated And 25% Paved, Add	131.06	
			For Smooth-Flo, Add	237.31	
33 42 11 00-0565	LF	90"	14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	467.00	86.94
			For Bituminous Coated Pipe, Add	58.62	
			For Bituminous Coated And 25% Paved, Add	137.77	
			For Smooth-Flo, Add	249.45	
33 42 11 00-0566	LF	96"	14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	496.10	92.37
			For Bituminous Coated Pipe, Add	62.11	
			For Bituminous Coated And 25% Paved, Add	145.97	
			For Smooth-Flo, Add	264.30	
33 42 11 00-0567	LF	102"	14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	526.61	97.80
			For Bituminous Coated Pipe, Add	65.29	
			For Bituminous Coated And 25% Paved, Add	153.42	
			For Smooth-Flo, Add	277.79	
33 42 11 00-0568	LF	108"	14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	559.48	108.67
			For Bituminous Coated Pipe, Add	68.43	
			For Bituminous Coated And 25% Paved, Add	160.80	
			For Smooth-Flo, Add	291.15	
33 42 11 00-0569	LF	114"	14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	592.30	119.54
			For Bituminous Coated Pipe, Add	71.65	
			For Bituminous Coated And 25% Paved, Add	168.37	
			For Smooth-Flo, Add	304.86	

33 42 11 00-0570 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0546)

33 42 11 00-0571	LF	60"	12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	324.37	39.12
			For Bituminous Coated Pipe, Add	49.27	
			For Bituminous Coated And 25% Paved, Add	93.61	
			For Smooth-Flo, Add	169.00	
33 42 11 00-0572	LF	66"	12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	389.29	47.82
			For Bituminous Coated Pipe, Add	59.13	
			For Bituminous Coated And 25% Paved, Add	112.35	
			For Smooth-Flo, Add	202.82	
33 42 11 00-0573	LF	72"	12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	455.71	69.55
			For Bituminous Coated Pipe, Add	63.48	
			For Bituminous Coated And 25% Paved, Add	120.61	
			For Smooth-Flo, Add	217.74	
33 42 11 00-0574	LF	78"	12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	491.13	76.07
			For Bituminous Coated Pipe, Add	67.80	
			For Bituminous Coated And 25% Paved, Add	128.82	
			For Smooth-Flo, Add	232.55	
33 42 11 00-0575	LF	84"	12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	523.38	81.51
			For Bituminous Coated Pipe, Add	72.08	
			For Bituminous Coated And 25% Paved, Add	136.94	
			For Smooth-Flo, Add	247.22	
33 42 11 00-0576	LF	90"	12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	555.95	86.94
			For Bituminous Coated Pipe, Add	76.41	
			For Bituminous Coated And 25% Paved, Add	145.19	
			For Smooth-Flo, Add	262.10	
33 42 11 00-0577	LF	96"	12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	589.14	92.37
			For Bituminous Coated Pipe, Add	80.72	
			For Bituminous Coated And 25% Paved, Add	153.37	
			For Smooth-Flo, Add	276.88	
33 42 11 00-0578	LF	102"	12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	625.28	97.80
			For Bituminous Coated Pipe, Add	85.02	
			For Bituminous Coated And 25% Paved, Add	161.54	
			For Smooth-Flo, Add	291.62	
33 42 11 00-0579	LF	108"	12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	664.14	108.67
			For Bituminous Coated Pipe, Add	89.36	
			For Bituminous Coated And 25% Paved, Add	169.78	
			For Smooth-Flo, Add	306.50	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
33 42 11 00-0580	LF 114" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	702.39 93.67 177.97 321.27		119.54	
33 42 11 00-0581	LF 120" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	739.27 97.97 186.15 336.04		130.41	
33 42 11 00-0582 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0546)					
33 42 11 00-0583	LF 72" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	523.32 77.00 146.30 229.85		69.55	
33 42 11 00-0584	LF 78" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	565.02 82.58 156.89 246.49		76.07	
33 42 11 00-0585	LF 84" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	603.16 88.03 167.26 262.78		81.51	
33 42 11 00-0586	LF 90" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	641.06 93.44 177.53 278.91		86.94	
33 42 11 00-0587	LF 96" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	680.03 98.90 187.91 295.22		92.37	
33 42 11 00-0588	LF 102" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	721.76 104.32 198.20 311.38		97.80	
33 42 11 00-0589	LF 108" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	766.20 109.77 208.56 327.66		108.67	
33 42 11 00-0590	LF 114" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	810.13 115.21 218.91 343.91		119.54	
33 42 11 00-0591	LF 120" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	852.55 120.63 229.19 360.07		130.41	
33 42 11 00-0592	LF 126" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	905.80 127.78 242.78 381.42		141.27	
33 42 11 00-0593	LF 132" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	955.41 133.67 253.98 399.01		152.14	
33 42 11 00-0594	LF 138" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	1,009.46 139.79 265.61 417.29		163.00	
33 42 11 00-0595 Helical Ribbed, Galvanized Corrugated Steel Piping (33 42 11 00-0453)					
33 42 11 00-0596 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping (33 42 11 00-0595)					
33 42 11 00-0597	LF 18" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add	62.56 9.05		12.15	
33 42 11 00-0598	LF 21" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add	71.86 10.78		13.17	
33 42 11 00-0599	LF 24" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add	80.33 12.24		14.18	
33 42 11 00-0600	LF 30" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add	105.11 15.78		18.23	
33 42 11 00-0601	LF 36" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add	135.57 19.77		23.91	
33 42 11 00-0602	LF 42" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add	155.39 23.32		28.26	
33 42 11 00-0603	LF 48" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add	175.04 26.24		32.60	
33 42 11 00-0604	LF 54" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add	209.56 32.14		36.95	
33 42 11 00-0605	LF 60" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add	228.64 35.09		39.12	
33 42 11 00-0606 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping (33 42 11 00-0595)					
33 42 11 00-0607	LF 18" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add	69.04 10.47		12.15	

		Utilities	33	
		Stormwater Utilities	33 40	
		Stormwater Conveyance	33 42	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0608	LF	21" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	79.44 12.44	13.17
33 42 11 00-0609	LF	24" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	88.96 14.13	14.18
33 42 11 00-0610	LF	30" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	115.83 18.12	18.23
33 42 11 00-0611	LF	36" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	148.48 22.58	23.91
33 42 11 00-0612	LF	42" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	170.49 26.60	28.26
33 42 11 00-0613	LF	48" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	192.29 30.00	32.60
33 42 11 00-0614	LF	54" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	228.96 36.35	36.95
33 42 11 00-0615	LF	60" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	250.23 39.78	39.12
33 42 11 00-0616	LF	66" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	307.57 49.42	47.82
33 42 11 00-0617	LF	72" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	366.91 52.81	69.55
33 42 11 00-0618	LF	78" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	395.65 56.25	76.07
33 42 11 00-0619 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping (33 42 11 00-0595)				
33 42 11 00-0620	LF	30" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	137.57 18.93	18.23
33 42 11 00-0621	LF	36" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	174.46 23.39	23.91
33 42 11 00-0622	LF	42" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	200.91 27.52	28.26
33 42 11 00-0623	LF	48" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	226.99 31.11	32.60
33 42 11 00-0624	LF	54" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	268.04 37.13	36.95
33 42 11 00-0625	LF	60" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	293.71 40.77	39.12
33 42 11 00-0626	LF	66" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	355.29 49.45	47.82
33 42 11 00-0627	LF	72" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	418.92 53.04	69.55
33 42 11 00-0628	LF	78" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	451.94 56.66	76.07
33 42 11 00-0629	LF	84" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	481.90 60.27	81.51
33 42 11 00-0630	LF	90" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	511.82 63.87	86.94
33 42 11 00-0631	LF	96" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	542.52 67.47	92.37
33 42 11 00-0632	LF	102" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	574.12 70.67	97.80
33 42 11 00-0633 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0453)				
33 42 11 00-0634 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0633)				
33 42 11 00-0635	LF	6" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	21.59 2.31	6.08
33 42 11 00-0636	LF	6" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	23.52 2.79	6.08
33 42 11 00-0637	LF	8" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	27.22 3.06	7.60
33 42 11 00-0638	LF	8" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	29.67 3.66	7.60
33 42 11 00-0639	LF	10" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	34.39 3.84	9.12
33 42 11 00-0640	LF	10" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	37.50 4.61	9.12
33 42 11 00-0641 Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0633)				
33 42 11 00-0642	LF	6" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	21.86 2.28	6.08
33 42 11 00-0643	LF	6" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	23.73 2.72	6.08
33 42 11 00-0644	LF	8" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	27.49 3.00	7.60
33 42 11 00-0645	LF	8" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	30.09 3.61	7.60
33 42 11 00-0646	LF	10" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	34.85 3.80	9.12
33 42 11 00-0647	LF	10" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	38.04 4.54	9.12
33 42 11 00-0648 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe Fittings (33 42 11 00-0633)				

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 42 11 00-0649	EA	6" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	14.28	
		<i>For Bituminous Coated Pipe, Add</i>	3.21	
33 42 11 00-0650	EA	8" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	18.91	
		<i>For Bituminous Coated Pipe, Add</i>	4.25	
33 42 11 00-0651	EA	10" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	23.18	
		<i>For Bituminous Coated Pipe, Add</i>	5.22	
33 42 11 00-0652	EA	6" 18 Gauge, Band Elbows For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	51.51	
		<i>For Bituminous Coated Pipe, Add</i>	7.11	
33 42 11 00-0653	EA	6" End Caps For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	10.32	
		<i>For Bituminous Coated Pipe, Add</i>	1.62	
33 42 11 00-0654	EA	8" End Caps For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	13.26	
		<i>For Bituminous Coated Pipe, Add</i>	2.43	

33 42 11 00-0655 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0453)**33 42 11 00-0656 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0655)**

33 42 11 00-0657	LF	12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	70.29	10.63
33 42 11 00-0658	LF	15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	83.59	11.14
33 42 11 00-0659	LF	18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	97.31	12.15
33 42 11 00-0660	LF	21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	113.56	13.17
33 42 11 00-0661	LF	24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	126.86	14.18
33 42 11 00-0662	LF	30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	165.83	18.23
33 42 11 00-0663	LF	36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	212.81	23.91
33 42 11 00-0664	LF	42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	247.09	28.26
33 42 11 00-0665	LF	48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	277.24	32.60

33 42 11 00-0666 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0655)

33 42 11 00-0667	LF	12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	80.73	10.63
33 42 11 00-0668	LF	15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	96.52	11.14
33 42 11 00-0669	LF	18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	112.79	12.15
33 42 11 00-0670	LF	21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	131.49	13.17
33 42 11 00-0671	LF	24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	147.68	14.18
33 42 11 00-0672	LF	30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	191.38	18.23
33 42 11 00-0673	LF	36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	243.66	23.91
33 42 11 00-0674	LF	42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	282.49	28.26
33 42 11 00-0675	LF	48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	317.65	32.60
33 42 11 00-0676	LF	54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	385.53	36.95

33 42 11 00-0677 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0655)

33 42 11 00-0678	LF	18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	145.06	12.15
33 42 11 00-0679	LF	21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	169.16	13.17
33 42 11 00-0680	LF	24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	190.51	14.18
33 42 11 00-0681	LF	30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	244.89	18.23
33 42 11 00-0682	LF	36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	294.75	23.91
33 42 11 00-0683	LF	42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	357.34	28.26
33 42 11 00-0684	LF	48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	403.06	32.60
33 42 11 00-0685	LF	54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	483.00	36.95
33 42 11 00-0686	LF	60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	527.83	39.12
33 42 11 00-0687	LF	66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	646.89	47.82

33 42 11 00-0688 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0655)

33 42 11 00-0689	LF	36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	366.53	23.91
33 42 11 00-0690	LF	42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	425.52	28.26
33 42 11 00-0691	LF	48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	480.52	32.60
33 42 11 00-0692	LF	54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	569.76	36.95
33 42 11 00-0693	LF	60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	624.42	39.12
33 42 11 00-0694	LF	66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	752.97	47.82
33 42 11 00-0695	LF	72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	845.22	69.55

33 42 11 00-0696 3" x 1" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0453)**33 42 11 00-0697 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0696)**

33 42 11 00-0698	LF	36" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	272.05	23.91
33 42 11 00-0699	LF	42" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	315.38	28.26
33 42 11 00-0700	LF	48" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	353.82	32.60
33 42 11 00-0701	LF	54" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	429.08	36.95
33 42 11 00-0702	LF	60" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	467.18	39.12
33 42 11 00-0703	LF	66" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	596.12	47.82
33 42 11 00-0704	LF	72" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	673.51	69.55
33 42 11 00-0705	LF	78" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	720.03	76.07
33 42 11 00-0706	LF	84" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	763.69	81.51
33 42 11 00-0707	LF	90" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	807.42	86.94
33 42 11 00-0708	LF	96" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	851.76	92.37
33 42 11 00-0709	LF	102" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	899.39	97.80

33 42 11 00-0710 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0696)

33 42 11 00-0711	LF	54" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	484.86	36.95
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 42 11 00-0712	LF	60" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	528.84	39.12
33 42 11 00-0713	LF	66" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	664.03	47.82
33 42 11 00-0714	LF	72" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	747.37	69.55
33 42 11 00-0715	LF	78" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	799.93	76.07
33 42 11 00-0716	LF	84" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	849.85	81.51
33 42 11 00-0717	LF	90" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	899.43	86.94
33 42 11 00-0718	LF	96" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	949.76	92.37
33 42 11 00-0719	LF	102" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,003.48	97.80
33 42 11 00-0720	LF	108" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,059.55	108.67
33 42 11 00-0721	LF	114" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,114.45	119.54

33 42 11 00-0722 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0696)

33 42 11 00-0723	LF	60" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	669.11	39.12
33 42 11 00-0724	LF	66" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	820.08	47.82
33 42 11 00-0725	LF	72" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	916.95	69.55
33 42 11 00-0726	LF	78" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	983.10	76.07
33 42 11 00-0727	LF	84" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,046.55	81.51
33 42 11 00-0728	LF	90" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,109.75	86.94
33 42 11 00-0729	LF	96" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,173.79	92.37
33 42 11 00-0730	LF	102" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,241.01	97.80
33 42 11 00-0731	LF	108" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,310.50	108.67
33 42 11 00-0732	LF	114" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,379.20	119.54
33 42 11 00-0733	LF	120" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,447.14	130.41

33 42 11 00-0734 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0696)

33 42 11 00-0735	LF	72" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,071.47	69.55
33 42 11 00-0736	LF	78" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,150.21	76.07
33 42 11 00-0737	LF	84" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,226.36	81.51
33 42 11 00-0738	LF	90" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,302.19	86.94
33 42 11 00-0739	LF	96" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,378.95	92.37
33 42 11 00-0740	LF	102" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,458.85	97.80
33 42 11 00-0741	LF	108" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,541.04	108.67
33 42 11 00-0742	LF	114" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,622.34	119.54
33 42 11 00-0743	LF	120" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,702.96	130.41
33 42 11 00-0744	LF	126" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,785.26	141.27
33 42 11 00-0745	LF	132" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,870.64	152.14
33 42 11 00-0746	LF	138" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,959.40	163.00

33 42 11 00-0747 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0453)

33 42 11 00-0748 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0747)

33 42 11 00-0749	LF	48" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	341.79	32.60
33 42 11 00-0750	LF	54" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	415.84	36.95
33 42 11 00-0751	LF	60" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	452.01	39.12
33 42 11 00-0752	LF	66" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	567.94	47.82
33 42 11 00-0753	LF	72" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	643.02	69.55
33 42 11 00-0754	LF	78" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	687.14	76.07
33 42 11 00-0755	LF	84" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	728.09	81.51
33 42 11 00-0756	LF	90" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	768.94	86.94
33 42 11 00-0757	LF	96" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	811.02	92.37
33 42 11 00-0758	LF	102" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	856.97	97.80

33 42 11 00-0759 14 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0747)

33 42 11 00-0760	LF	54" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	482.10	36.95
33 42 11 00-0761	LF	60" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	525.81	39.12
33 42 11 00-0762	LF	66" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	648.42	47.82
33 42 11 00-0763	LF	72" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	729.98	69.55
33 42 11 00-0764	LF	78" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	781.96	76.07
33 42 11 00-0765	LF	84" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	830.29	81.51
33 42 11 00-0766	LF	90" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	874.84	86.94
33 42 11 00-0767	LF	96" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	927.66	92.37
33 42 11 00-0768	LF	102" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	979.78	97.80
33 42 11 00-0769	LF	108" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,033.97	108.67
33 42 11 00-0770	LF	114" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,088.69	119.54

33 42 11 00-0771 12 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0747)

33 42 11 00-0772	LF	60" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	673.71	39.12
33 42 11 00-0773	LF	66" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	812.05	47.82
33 42 11 00-0774	LF	72" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	909.07	69.55
33 42 11 00-0775	LF	78" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	974.64	76.07
33 42 11 00-0776	LF	84" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,036.84	81.51
33 42 11 00-0777	LF	90" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,099.86	86.94
33 42 11 00-0778	LF	96" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,163.25	92.37
33 42 11 00-0779	LF	102" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,229.43	97.80
33 42 11 00-0780	LF	108" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,298.72	108.67
33 42 11 00-0781	LF	114" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,367.17	119.54

33	33 Utilities
	33 40 Stormwater Utilities
	33 42 Stormwater Conveyance



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 42 11 00-0782	LF		120" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,434.22	130.41
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33 42 11 00-0783 10 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping
(33 42 11 00-0747)

33 42 11 00-0784	LF	72" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,071.40	69.55
33 42 11 00-0785	LF	78" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,152.07	76.07
33 42 11 00-0786	LF	84" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,228.49	81.51
33 42 11 00-0787	LF	90" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,304.28	86.94
33 42 11 00-0788	LF	96" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,381.42	92.37
33 42 11 00-0789	LF	102" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,461.18	97.80
33 42 11 00-0790	LF	108" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,543.75	108.67
33 42 11 00-0791	LF	114" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,625.82	119.54
33 42 11 00-0792	LF	120" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,706.26	130.41
33 42 11 00-0793	LF	126" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,809.56	141.27
33 42 11 00-0794	LF	132" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,900.51	152.14
33 42 11 00-0795	LF	138" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,997.43	163.00

33 42 11 00-0796 Galvanized Corrugated Steel Pipe-Arch
(33 42 11 00-0452)

33 42 11 00-0797 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch
(33 42 11 00-0796)

33 42 11 00-0798 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch
(33 42 11 00-0797)

33 42 11 00-0799	LF	17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	49.31	11.14
		For Bituminous Coated Pipe, Add	6.58	
		For Bituminous Coated And 25% Paved, Add	15.91	
		For Smooth-Flo, Add	26.24	
33 42 11 00-0800	LF	21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	55.28	12.15
		For Bituminous Coated Pipe, Add	7.86	
		For Bituminous Coated And 25% Paved, Add	19.00	
		For Smooth-Flo, Add	31.34	
33 42 11 00-0801	LF	24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	63.58	13.17
		For Bituminous Coated Pipe, Add	9.46	
		For Bituminous Coated And 25% Paved, Add	22.87	
		For Smooth-Flo, Add	37.72	
33 42 11 00-0802	LF	28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	71.56	14.18
		For Bituminous Coated Pipe, Add	10.90	
		For Bituminous Coated And 25% Paved, Add	26.36	
		For Smooth-Flo, Add	43.47	
33 42 11 00-0803	LF	35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	92.99	18.23
		For Bituminous Coated Pipe, Add	13.84	
		For Bituminous Coated And 25% Paved, Add	33.47	
		For Smooth-Flo, Add	55.20	
33 42 11 00-0804	LF	42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	122.41	23.91
		For Bituminous Coated Pipe, Add	17.85	
		For Bituminous Coated And 25% Paved, Add	43.16	
		For Smooth-Flo, Add	71.20	

33 42 11 00-0805 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch
(33 42 11 00-0797)

33 42 11 00-0806	LF	17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	54.64	11.14
		For Bituminous Coated Pipe, Add	6.83	
		For Bituminous Coated And 25% Paved, Add	15.98	
		For Smooth-Flo, Add	26.20	
33 42 11 00-0807	LF	21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	61.81	12.15
		For Bituminous Coated Pipe, Add	8.19	
		For Bituminous Coated And 25% Paved, Add	19.16	
		For Smooth-Flo, Add	31.42	
33 42 11 00-0808	LF	24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	70.86	13.17
		For Bituminous Coated Pipe, Add	9.73	
		For Bituminous Coated And 25% Paved, Add	22.77	
		For Smooth-Flo, Add	37.35	
33 42 11 00-0809	LF	28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	79.98	14.18
		For Bituminous Coated Pipe, Add	11.22	
		For Bituminous Coated And 25% Paved, Add	26.26	
		For Smooth-Flo, Add	43.07	
33 42 11 00-0810	LF	35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	103.51	18.23
		For Bituminous Coated Pipe, Add	14.21	
		For Bituminous Coated And 25% Paved, Add	33.25	
		For Smooth-Flo, Add	54.54	
33 42 11 00-0811	LF	42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	134.92	23.91
		For Bituminous Coated Pipe, Add	18.11	
		For Bituminous Coated And 25% Paved, Add	42.36	
		For Smooth-Flo, Add	69.47	
33 42 11 00-0812	LF	49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	155.64	28.26
		For Bituminous Coated Pipe, Add	21.57	
		For Bituminous Coated And 25% Paved, Add	50.46	
		For Smooth-Flo, Add	82.76	

33 42 11 00-0813 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch
(33 42 11 00-0797)

		Utilities	33	
		Stormwater Utilities	33 40	
		Stormwater Conveyance	33 42	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0814	LF	21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	80.89 8.86 19.72 30.32	13.04
33 42 11 00-0815	LF	24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	92.76 10.51 23.38 35.95	14.13
33 42 11 00-0816	LF	28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	104.42 12.05 26.82 41.23	15.21
33 42 11 00-0817	LF	35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	134.51 15.17 33.76 51.92	19.56
33 42 11 00-0818	LF	42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	160.45 18.99 42.25 64.97	23.91
33 42 11 00-0819	LF	49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	185.10 22.45 49.97 76.83	28.26
33 42 11 00-0820	LF	57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	216.32 26.63 59.26 91.11	32.60
33 42 11 00-0821	LF	64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	241.57 29.40 65.44 100.62	36.95
33 42 11 00-0822		10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch (33 42 11 00-0797)		
33 42 11 00-0823	LF	42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	184.48 22.87 48.16 60.73	23.91
33 42 11 00-0824	LF	49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	213.12 26.98 56.81 71.64	28.26
33 42 11 00-0825	LF	57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	248.08 31.75 66.84 84.29	32.60
33 42 11 00-0826	LF	64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	277.47 35.20 74.11 93.46	36.95
33 42 11 00-0827	LF	71" x 47" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	304.03 38.65 81.36 102.61	39.12
33 42 11 00-0828		3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch (33 42 11 00-0796)		
33 42 11 00-0829		14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch (33 42 11 00-0828)		
33 42 11 00-0830	LF	60" x 46" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	241.22 33.92 103.13 115.34	36.95
33 42 11 00-0831	LF	66" x 51" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	263.65 37.13 112.86 126.23	39.12
33 42 11 00-0832	LF	73" x 55" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	326.77 46.63 141.75 158.54	47.82
33 42 11 00-0833	LF	81" x 59" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	388.25 49.99 151.96 169.96	69.55
33 42 11 00-0834	LF	87" x 63" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	419.73 53.52 162.69 181.96	76.07
33 42 11 00-0835	LF	95" x 67" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	448.34 57.07 173.49 194.03	81.51
33 42 11 00-0836	LF	103" x 71" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	476.87 60.60 184.22 206.03	86.94

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
33 42 11 00-0837	LF	112" x 75" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	.....	506.12	92.37
		For Bituminous Coated Pipe, Add		64.12	
		For Bituminous Coated And 25% Paved, Add		194.92	
		For Smooth-Flo, Add		218.00	
33 42 11 00-0838 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch (33 42 11 00-0828)					
33 42 11 00-0839	LF	66" x 51" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	.....	318.89	39.12
		For Bituminous Coated Pipe, Add		48.17	
		For Bituminous Coated And 25% Paved, Add		126.22	
		For Smooth-Flo, Add		149.34	
33 42 11 00-0840	LF	73" x 55" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	.....	388.05	47.82
		For Bituminous Coated Pipe, Add		58.88	
		For Bituminous Coated And 25% Paved, Add		154.28	
		For Smooth-Flo, Add		182.54	
33 42 11 00-0841	LF	81" x 59" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	.....	454.96	69.55
		For Bituminous Coated Pipe, Add		63.33	
		For Bituminous Coated And 25% Paved, Add		165.92	
		For Smooth-Flo, Add		196.32	
33 42 11 00-0842	LF	87" x 63" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	.....	491.83	76.07
		For Bituminous Coated Pipe, Add		67.94	
		For Bituminous Coated And 25% Paved, Add		178.00	
		For Smooth-Flo, Add		210.61	
33 42 11 00-0843	LF	95" x 67" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	.....	525.82	81.51
		For Bituminous Coated Pipe, Add		72.56	
		For Bituminous Coated And 25% Paved, Add		190.12	
		For Smooth-Flo, Add		224.95	
33 42 11 00-0844	LF	103" x 71" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	.....	559.79	86.94
		For Bituminous Coated Pipe, Add		77.18	
		For Bituminous Coated And 25% Paved, Add		202.22	
		For Smooth-Flo, Add		239.26	
33 42 11 00-0845	LF	112" x 75" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	.....	594.42	92.37
		For Bituminous Coated Pipe, Add		81.78	
		For Bituminous Coated And 25% Paved, Add		214.26	
		For Smooth-Flo, Add		253.51	
33 42 11 00-0846	LF	117" x 79" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	.....	632.31	97.80
		For Bituminous Coated Pipe, Add		86.43	
		For Bituminous Coated And 25% Paved, Add		226.44	
		For Smooth-Flo, Add		267.92	
33 42 11 00-0847	LF	128" x 83" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	.....	672.56	108.67
		For Bituminous Coated Pipe, Add		91.04	
		For Bituminous Coated And 25% Paved, Add		238.53	
		For Smooth-Flo, Add		282.23	
33 42 11 00-0848	LF	137" x 87" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	.....	714.65	119.54
		For Bituminous Coated Pipe, Add		96.12	
		For Bituminous Coated And 25% Paved, Add		251.83	
		For Smooth-Flo, Add		297.97	
33 42 11 00-0849 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch (33 42 11 00-0828)					
33 42 11 00-0850	LF	81" x 59" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	.....	516.94	69.55
		For Bituminous Coated Pipe, Add		75.73	
		For Bituminous Coated And 25% Paved, Add		180.23	
		For Smooth-Flo, Add		195.75	
33 42 11 00-0851	LF	87" x 63" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	.....	558.94	76.07
		For Bituminous Coated Pipe, Add		81.36	
		For Bituminous Coated And 25% Paved, Add		193.64	
		For Smooth-Flo, Add		210.32	
33 42 11 00-0852	LF	95" x 67" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	.....	598.02	81.51
		For Bituminous Coated Pipe, Add		87.00	
		For Bituminous Coated And 25% Paved, Add		207.07	
		For Smooth-Flo, Add		224.91	
33 42 11 00-0853	LF	103" x 71" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	.....	636.97	86.94
		For Bituminous Coated Pipe, Add		92.62	
		For Bituminous Coated And 25% Paved, Add		220.43	
		For Smooth-Flo, Add		239.42	
33 42 11 00-0854	LF	112" x 75" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	.....	676.74	92.37
		For Bituminous Coated Pipe, Add		98.24	
		For Bituminous Coated And 25% Paved, Add		233.82	
		For Smooth-Flo, Add		253.96	
33 42 11 00-0855	LF	117" x 79" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	.....	719.66	97.80
		For Bituminous Coated Pipe, Add		103.90	
		For Bituminous Coated And 25% Paved, Add		247.27	
		For Smooth-Flo, Add		268.57	
33 42 11 00-0856	LF	128" x 83" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	.....	765.00	108.67
		For Bituminous Coated Pipe, Add		109.53	
		For Bituminous Coated And 25% Paved, Add		260.68	
		For Smooth-Flo, Add		283.14	
33 42 11 00-0857	LF	137" x 87" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	.....	811.78	119.54
		For Bituminous Coated Pipe, Add		115.54	
		For Bituminous Coated And 25% Paved, Add		274.99	
		For Smooth-Flo, Add		298.68	
33 42 11 00-0858	LF	142" x 91" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	.....	863.22	130.41
		For Bituminous Coated Pipe, Add		122.76	
		For Bituminous Coated And 25% Paved, Add		292.17	
		For Smooth-Flo, Add		317.34	

		Utilities	33	
		Stormwater Utilities	33 40	
		Stormwater Conveyance	33 42	
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	

33 42 11 00-0859	125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch (33 42 11 00-0796)			
33 42 11 00-0860	12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch (33 42 11 00-0859)			
33 42 11 00-0861	LF 81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	461.05 64.55 157.50 200.42		69.55
33 42 11 00-0862	LF 87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	497.31 69.03 168.44 214.35		76.07
33 42 11 00-0863	LF 95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	530.36 73.47 179.27 228.13		81.51
33 42 11 00-0864	LF 103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	563.43 77.91 190.10 241.91		86.94
33 42 11 00-0865	LF 112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	597.42 82.38 201.00 255.78		92.37
33 42 11 00-0866	LF 117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	634.80 86.92 212.09 269.90		97.80
33 42 11 00-0867	LF 128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	674.56 91.44 223.12 283.93		108.67
33 42 11 00-0868	LF 137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	719.59 97.11 236.94 301.51		119.54
33 42 11 00-0869	10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch (33 42 11 00-0859)			
33 42 11 00-0870	LF 81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	529.65 78.27 176.89 192.15		69.55
33 42 11 00-0871	LF 87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	571.40 83.85 189.51 205.86		76.07
33 42 11 00-0872	LF 95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	610.04 89.41 202.06 219.50		81.51
33 42 11 00-0873	LF 103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	648.84 94.99 214.68 233.21		86.94
33 42 11 00-0874	LF 112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	687.46 100.39 226.87 246.45		92.37
33 42 11 00-0875	LF 117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	731.18 106.20 240.01 260.72		97.80
33 42 11 00-0876	LF 128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	776.62 111.85 252.79 274.60		108.67
33 42 11 00-0877	LF 137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	827.28 118.64 268.14 291.27		119.54
33 42 11 00-0878	LF 142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	874.69 125.06 282.63 307.01		130.41
33 42 11 00-0879	2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch (33 42 11 00-0796)			
33 42 11 00-0880	16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch (33 42 11 00-0879)			
33 42 11 00-0881	LF 17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	83.68		11.14
33 42 11 00-0882	LF 21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	96.37		12.15
33 42 11 00-0883	LF 24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	113.16		13.17
33 42 11 00-0884	LF 28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	128.77		14.18
33 42 11 00-0885	LF 35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	165.87		18.23
33 42 11 00-0886	LF 42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	217.08		23.91

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 42 11 00-0887	14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch (33 42 11 00-0879)		
33 42 11 00-0888	LF 17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	95.96	11.14
33 42 11 00-0889	LF 21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	111.36	12.15
33 42 11 00-0890	LF 24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	129.90	13.17
33 42 11 00-0891	LF 28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	148.22	14.18
33 42 11 00-0892	LF 35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	190.06	18.23
33 42 11 00-0893	LF 42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	245.84	23.91
33 42 11 00-0894	LF 49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	288.05	28.26
33 42 11 00-0895	12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch (33 42 11 00-0879)		
33 42 11 00-0896	LF 21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	148.11	12.15
33 42 11 00-0897	LF 24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	173.42	13.17
33 42 11 00-0898	LF 28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	197.51	14.18
33 42 11 00-0899	LF 35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	251.58	18.23
33 42 11 00-0900	LF 42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	320.15	23.91
33 42 11 00-0901	LF 49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	374.59	28.26
33 42 11 00-0902	LF 57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	442.57	32.60
33 42 11 00-0903	LF 64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	490.74	36.95
33 42 11 00-0904	10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch (33 42 11 00-0879)		
33 42 11 00-0905	LF 42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	378.44	23.91
33 42 11 00-0906	LF 49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	442.60	28.26
33 42 11 00-0907	LF 57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	519.67	32.60
33 42 11 00-0908	LF 64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	577.90	36.95
33 42 11 00-0909	LF 64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	633.19	39.12
33 42 11 00-0910	3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch (33 42 11 00-0796)		
33 42 11 00-0911	14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch (33 42 11 00-0910)		
33 42 11 00-0912	LF 60" x 46" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	495.81	36.95
33 42 11 00-0913	LF 66" x 51" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	541.72	39.12
33 42 11 00-0914	LF 73" x 55" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	678.98	47.82
33 42 11 00-0915	LF 81" x 59" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	765.32	69.55
33 42 11 00-0916	LF 87" x 63" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	822.97	76.07
33 42 11 00-0917	LF 95" x 67" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	877.83	81.51
33 42 11 00-0918	LF 103" x 71" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	932.46	86.94
33 42 11 00-0919	LF 112" x 75" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	987.97	92.37
33 42 11 00-0920	12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch (33 42 11 00-0910)		
33 42 11 00-0921	LF 66" x 51" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	682.26	39.12
33 42 11 00-0922	LF 73" x 55" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	835.43	47.82
33 42 11 00-0923	LF 81" x 59" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	935.59	69.55
33 42 11 00-0924	LF 87" x 63" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,006.81	76.07
33 42 11 00-0925	LF 95" x 67" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,075.32	81.51
33 42 11 00-0926	LF 103" x 71" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,143.74	86.94
33 42 11 00-0927	LF 112" x 75" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,212.77	92.37
33 42 11 00-0928	LF 117" x 79" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,285.26	97.80
33 42 11 00-0929	LF 128" x 83" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,359.98	108.67
33 42 11 00-0930	LF 137" x 87" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,439.98	119.54
33 42 11 00-0931	10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch (33 42 11 00-0910)		
33 42 11 00-0932	LF 81" x 59" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,090.07	69.55
33 42 11 00-0933	LF 87" x 63" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,174.06	76.07
33 42 11 00-0934	LF 95" x 67" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,255.32	81.51
33 42 11 00-0935	LF 103" x 71" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,336.16	86.94
33 42 11 00-0936	LF 112" x 75" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,417.90	92.37
33 42 11 00-0937	LF 117" x 79" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,503.03	97.80
33 42 11 00-0938	LF 128" x 83" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,590.47	108.67
33 42 11 00-0939	LF 137" x 87" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,682.07	119.54
33 42 11 00-0940	LF 142" x 91" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,787.37	130.41
33 42 11 00-0941	125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch (33 42 11 00-0796)		
33 42 11 00-0942	12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch (33 42 11 00-0941)		
33 42 11 00-0943	LF 81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	921.70	69.55
33 42 11 00-0944	LF 87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	989.45	76.07
33 42 11 00-0945	LF 95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,053.62	81.51
33 42 11 00-0946	LF 103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,117.72	86.94
33 42 11 00-0947	LF 112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,182.99	92.37
33 42 11 00-0948	LF 117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,252.25	97.80
33 42 11 00-0949	LF 128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,323.63	108.67
33 42 11 00-0950	LF 137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,408.32	119.54

		Utilities	33	
		Stormwater Utilities	33 40	
		Stormwater Conveyance	33 42	
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	

33 42 11 00-0951	10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch (33 42 11 00-0941)		
33 42 11 00-0952	LF 81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,086.46	69.55
33 42 11 00-0953	LF 87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,167.28	76.07
33 42 11 00-0954	LF 95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,244.82	81.51
33 42 11 00-0955	LF 103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,322.74	86.94
33 42 11 00-0956	LF 112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,399.26	92.37
33 42 11 00-0957	LF 117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,483.62	97.80
33 42 11 00-0958	LF 128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,568.70	108.67
33 42 11 00-0959	LF 137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,667.10	119.54
33 42 11 00-0960	LF 142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,759.19	130.41
33 42 11 00-0961	Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-0452)		
33 42 11 00-0962	2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-0961)		
33 42 11 00-0963	16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-0962)		
33 42 11 00-0964	LF 12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	46.33	10.63
	For 1/2 Bituminous Coated And 25% Paved, Add	9.79	
33 42 11 00-0965	LF 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	53.39	11.14
	For 1/2 Bituminous Coated And 25% Paved, Add	12.33	
33 42 11 00-0966	LF 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	60.72	12.15
	For 1/2 Bituminous Coated And 25% Paved, Add	14.95	
33 42 11 00-0967	LF 21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	69.81	13.17
	For 1/2 Bituminous Coated And 25% Paved, Add	17.86	
33 42 11 00-0968	LF 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	77.59	14.18
	For 1/2 Bituminous Coated And 25% Paved, Add	20.12	
33 42 11 00-0969	LF 30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	102.02	18.23
	For 1/2 Bituminous Coated And 25% Paved, Add	26.11	
33 42 11 00-0970	LF 36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	132.23	23.91
	For 1/2 Bituminous Coated And 25% Paved, Add	32.93	
33 42 11 00-0971	LF 42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	151.75	28.26
	For 1/2 Bituminous Coated And 25% Paved, Add	38.96	
33 42 11 00-0972	LF 48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	170.45	32.60
	For 1/2 Bituminous Coated And 25% Paved, Add	43.65	
33 42 11 00-0973	14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-0962)		
33 42 11 00-0974	LF 12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	51.62	10.63
	For 1/2 Bituminous Coated And 25% Paved, Add	9.30	
33 42 11 00-0975	LF 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	59.93	11.14
	For 1/2 Bituminous Coated And 25% Paved, Add	11.67	
33 42 11 00-0976	LF 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	68.49	12.15
	For 1/2 Bituminous Coated And 25% Paved, Add	14.10	
33 42 11 00-0977	LF 21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	78.84	13.17
	For 1/2 Bituminous Coated And 25% Paved, Add	16.77	
33 42 11 00-0978	LF 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	88.06	14.18
	For 1/2 Bituminous Coated And 25% Paved, Add	18.99	
33 42 11 00-0979	LF 30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	114.83	18.23
	For 1/2 Bituminous Coated And 25% Paved, Add	24.39	
33 42 11 00-0980	LF 36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	147.74	23.91
	For 1/2 Bituminous Coated And 25% Paved, Add	30.56	
33 42 11 00-0981	LF 42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	169.60	28.26
	For 1/2 Bituminous Coated And 25% Paved, Add	36.00	
33 42 11 00-0982	LF 48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	190.80	32.60
	For 1/2 Bituminous Coated And 25% Paved, Add	40.44	
33 42 11 00-0983	LF 54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	229.45	36.95
	For 1/2 Bituminous Coated And 25% Paved, Add	49.72	
33 42 11 00-0984	12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-0962)		
33 42 11 00-0985	LF 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	84.85	12.15
	For 1/2 Bituminous Coated And 25% Paved, Add	13.14	
33 42 11 00-0986	LF 21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	97.94	13.17
	For 1/2 Bituminous Coated And 25% Paved, Add	15.56	
33 42 11 00-0987	LF 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	109.75	14.18
	For 1/2 Bituminous Coated And 25% Paved, Add	17.62	
33 42 11 00-0988	LF 30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	141.90	18.23
	For 1/2 Bituminous Coated And 25% Paved, Add	22.47	
33 42 11 00-0989	LF 36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	180.39	23.91
	For 1/2 Bituminous Coated And 25% Paved, Add	27.88	
33 42 11 00-0990	LF 42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	207.44	28.26
	For 1/2 Bituminous Coated And 25% Paved, Add	32.71	
33 42 11 00-0991	LF 48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	233.97	32.60
	For 1/2 Bituminous Coated And 25% Paved, Add	36.89	
33 42 11 00-0992	LF 54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	278.76	36.95
	For 1/2 Bituminous Coated And 25% Paved, Add	44.54	
33 42 11 00-0993	LF 60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	304.53	39.12
	For 1/2 Bituminous Coated And 25% Paved, Add	48.70	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 42 11 00-0994 LF 66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe 372.19 47.82
For 1/2 Bituminous Coated And 25% Paved, Add 59.89

33 42 11 00-0995 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping
(33 42 11 00-0962)

33 42 11 00-0996 LF 36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe 209.76 23.91
For 1/2 Bituminous Coated And 25% Paved, Add 30.54
33 42 11 00-0997 LF 42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe 241.79 28.26
For 1/2 Bituminous Coated And 25% Paved, Add 35.80
33 42 11 00-0998 LF 48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe 272.96 32.60
For 1/2 Bituminous Coated And 25% Paved, Add 40.43
33 42 11 00-0999 LF 54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe 322.49 36.95
For 1/2 Bituminous Coated And 25% Paved, Add 48.17
33 42 11 00-1000 LF 60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe 353.19 39.12
For 1/2 Bituminous Coated And 25% Paved, Add 52.83
33 42 11 00-1001 LF 66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe 425.64 47.82
For 1/2 Bituminous Coated And 25% Paved, Add 63.75
33 42 11 00-1002 LF 72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe 494.25 69.55
For 1/2 Bituminous Coated And 25% Paved, Add 68.34

33 42 11 00-1003 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping
(33 42 11 00-0961)

33 42 11 00-1004 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping
(33 42 11 00-1003)

33 42 11 00-1005 LF 36" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe 155.31 23.91
For 1/2 Bituminous Coated And 25% Paved, Add 36.61
33 42 11 00-1006 LF 42" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe 178.17 28.26
For 1/2 Bituminous Coated And 25% Paved, Add 43.00
33 42 11 00-1007 LF 48" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe 200.17 32.60
For 1/2 Bituminous Coated And 25% Paved, Add 48.22
33 42 11 00-1008 LF 54" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe 239.87 36.95
For 1/2 Bituminous Coated And 25% Paved, Add 58.89
33 42 11 00-1009 LF 60" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe 261.35 39.12
For 1/2 Bituminous Coated And 25% Paved, Add 64.17
33 42 11 00-1010 LF 66" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe 329.11 47.82
For 1/2 Bituminous Coated And 25% Paved, Add 82.42
33 42 11 00-1011 LF 72" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe 389.30 69.55
For 1/2 Bituminous Coated And 25% Paved, Add 87.85
33 42 11 00-1012 LF 78" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe 418.69 76.07
For 1/2 Bituminous Coated And 25% Paved, Add 93.29
33 42 11 00-1013 LF 84" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe 445.15 81.51
For 1/2 Bituminous Coated And 25% Paved, Add 98.75
33 42 11 00-1014 LF 90" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe 471.64 86.94
For 1/2 Bituminous Coated And 25% Paved, Add 104.22
33 42 11 00-1015 LF 96" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe 498.84 92.37
For 1/2 Bituminous Coated And 25% Paved, Add 109.66
33 42 11 00-1016 LF 102" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe 529.20 97.80
For 1/2 Bituminous Coated And 25% Paved, Add 115.16

33 42 11 00-1017 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping
(33 42 11 00-1003)

33 42 11 00-1018 LF 54" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe 266.40 36.95
For 1/2 Bituminous Coated And 25% Paved, Add 51.04
33 42 11 00-1019 LF 60" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe 290.67 39.12
For 1/2 Bituminous Coated And 25% Paved, Add 55.71
33 42 11 00-1020 LF 66" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe 361.37 47.82
For 1/2 Bituminous Coated And 25% Paved, Add 70.15
33 42 11 00-1021 LF 72" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe 424.45 69.55
For 1/2 Bituminous Coated And 25% Paved, Add 74.97
33 42 11 00-1022 LF 78" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe 456.68 76.07
For 1/2 Bituminous Coated And 25% Paved, Add 79.79
33 42 11 00-1023 LF 84" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe 486.14 81.51
For 1/2 Bituminous Coated And 25% Paved, Add 84.66
33 42 11 00-1024 LF 90" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe 515.41 86.94
For 1/2 Bituminous Coated And 25% Paved, Add 89.48
33 42 11 00-1025 LF 96" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe 545.46 92.37
For 1/2 Bituminous Coated And 25% Paved, Add 94.30
33 42 11 00-1026 LF 102" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe 578.66 97.80
For 1/2 Bituminous Coated And 25% Paved, Add 99.16
33 42 11 00-1027 LF 108" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe 614.33 108.67
For 1/2 Bituminous Coated And 25% Paved, Add 104.01
33 42 11 00-1028 LF 114" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe 649.24 119.54
For 1/2 Bituminous Coated And 25% Paved, Add 108.78

33 42 11 00-1029 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping
(33 42 11 00-1003)

33 42 11 00-1030 LF 60" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe 355.83 39.12
For 1/2 Bituminous Coated And 25% Paved, Add 74.73
33 42 11 00-1031 LF 66" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe 433.52 47.82
For 1/2 Bituminous Coated And 25% Paved, Add 91.43
33 42 11 00-1032 LF 72" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe 502.88 69.55
For 1/2 Bituminous Coated And 25% Paved, Add 98.07
33 42 11 00-1033 LF 78" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe 541.49 76.07
For 1/2 Bituminous Coated And 25% Paved, Add 104.74

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1034	LF	84" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	577.23	81.51
		For 1/2 Bituminous Coated And 25% Paved, Add	111.43	
33 42 11 00-1035	LF	90" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	612.89	86.94
		For 1/2 Bituminous Coated And 25% Paved, Add	118.09	
33 42 11 00-1036	LF	96" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	649.27	92.37
		For 1/2 Bituminous Coated And 25% Paved, Add	124.75	
33 42 11 00-1037	LF	102" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	688.80	97.80
		For 1/2 Bituminous Coated And 25% Paved, Add	131.44	
33 42 11 00-1038	LF	108" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	730.75	108.67
		For 1/2 Bituminous Coated And 25% Paved, Add	138.10	
33 42 11 00-1039	LF	114" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	772.04	119.54
		For 1/2 Bituminous Coated And 25% Paved, Add	144.72	
33 42 11 00-1040	LF	120" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	812.27	130.41
		For 1/2 Bituminous Coated And 25% Paved, Add	151.41	
33 42 11 00-1041 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping				
(33 42 11 00-1003)				
33 42 11 00-1042	LF	72" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	576.02	69.55
		For 1/2 Bituminous Coated And 25% Paved, Add	120.37	
33 42 11 00-1043	LF	78" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	620.52	76.07
		For 1/2 Bituminous Coated And 25% Paved, Add	128.80	
33 42 11 00-1044	LF	84" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	662.29	81.51
		For 1/2 Bituminous Coated And 25% Paved, Add	137.30	
33 42 11 00-1045	LF	90" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	703.88	86.94
		For 1/2 Bituminous Coated And 25% Paved, Add	145.75	
33 42 11 00-1046	LF	96" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	746.34	92.37
		For 1/2 Bituminous Coated And 25% Paved, Add	154.22	
33 42 11 00-1047	LF	102" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	791.91	97.80
		For 1/2 Bituminous Coated And 25% Paved, Add	162.73	
33 42 11 00-1048	LF	108" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	839.79	108.67
		For 1/2 Bituminous Coated And 25% Paved, Add	171.17	
33 42 11 00-1049	LF	114" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	887.06	119.54
		For 1/2 Bituminous Coated And 25% Paved, Add	179.58	
33 42 11 00-1050	LF	120" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	933.33	130.41
		For 1/2 Bituminous Coated And 25% Paved, Add	188.08	
33 42 11 00-1051	LF	126" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	981.49	141.27
		For 1/2 Bituminous Coated And 25% Paved, Add	196.51	
33 42 11 00-1052	LF	132" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,032.49	152.14
		For 1/2 Bituminous Coated And 25% Paved, Add	205.00	
33 42 11 00-1053	LF	138" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,086.84	163.00
		For 1/2 Bituminous Coated And 25% Paved, Add	213.50	
33 42 11 00-1054 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping				
(33 42 11 00-0961)				
33 42 11 00-1055 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping				
(33 42 11 00-1054)				
33 42 11 00-1056	LF	48" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	201.02	32.60
		For 1/2 Bituminous Coated And 25% Paved, Add	59.74	
33 42 11 00-1057	LF	54" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	241.42	36.95
		For 1/2 Bituminous Coated And 25% Paved, Add	73.19	
33 42 11 00-1058	LF	60" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	262.70	39.12
		For 1/2 Bituminous Coated And 25% Paved, Add	79.60	
33 42 11 00-1059	LF	66" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	326.12	47.82
		For 1/2 Bituminous Coated And 25% Paved, Add	100.20	
33 42 11 00-1060	LF	72" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	385.96	69.55
		For 1/2 Bituminous Coated And 25% Paved, Add	106.74	
33 42 11 00-1061	LF	78" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	414.95	76.07
		For 1/2 Bituminous Coated And 25% Paved, Add	113.27	
33 42 11 00-1062	LF	84" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	440.86	81.51
		For 1/2 Bituminous Coated And 25% Paved, Add	119.76	
33 42 11 00-1063	LF	90" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	466.70	86.94
		For 1/2 Bituminous Coated And 25% Paved, Add	126.21	
33 42 11 00-1064	LF	96" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	493.61	92.37
		For 1/2 Bituminous Coated And 25% Paved, Add	132.78	
33 42 11 00-1065	LF	102" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	523.86	97.80
		For 1/2 Bituminous Coated And 25% Paved, Add	139.51	
33 42 11 00-1066 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping				
(33 42 11 00-1054)				
33 42 11 00-1067	LF	54" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	274.58	36.95
		For 1/2 Bituminous Coated And 25% Paved, Add	69.01	
33 42 11 00-1068	LF	60" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	299.64	39.12
		For 1/2 Bituminous Coated And 25% Paved, Add	75.35	
33 42 11 00-1069	LF	66" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	366.36	47.82
		For 1/2 Bituminous Coated And 25% Paved, Add	92.73	
33 42 11 00-1070	LF	72" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	429.49	69.55
		For 1/2 Bituminous Coated And 25% Paved, Add	99.00	
33 42 11 00-1071	LF	78" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	462.36	76.07
		For 1/2 Bituminous Coated And 25% Paved, Add	105.47	
33 42 11 00-1072	LF	84" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	491.97	81.51
		For 1/2 Bituminous Coated And 25% Paved, Add	111.85	
33 42 11 00-1073	LF	90" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	519.70	86.94
		For 1/2 Bituminous Coated And 25% Paved, Add	117.58	
33 42 11 00-1074	LF	96" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	551.89	92.37
		For 1/2 Bituminous Coated And 25% Paved, Add	124.56	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 42 11 00-1075	LF	102" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	585.29	97.80
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	130.94	
33 42 11 00-1076	LF	108" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	621.01	108.67
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	137.24	
33 42 11 00-1077	LF	114" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	656.71	119.54
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	143.70	

33 42 11 00-1078 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-1054)

33 42 11 00-1079	LF	60" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	368.70	39.12
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	83.13	
33 42 11 00-1080	LF	66" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	442.49	47.82
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	99.77	
33 42 11 00-1081	LF	72" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	512.85	69.55
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	107.12	
33 42 11 00-1082	LF	78" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	552.11	76.07
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	114.39	
33 42 11 00-1083	LF	84" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	588.25	81.51
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	121.62	
33 42 11 00-1084	LF	90" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	624.75	86.94
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	128.95	
33 42 11 00-1085	LF	96" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	661.78	92.37
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	136.21	
33 42 11 00-1086	LF	102" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	701.81	97.80
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	143.47	
33 42 11 00-1087	LF	108" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	744.56	108.67
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	150.78	
33 42 11 00-1088	LF	114" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	786.70	119.54
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	158.06	
33 42 11 00-1089	LF	120" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	827.48	130.41
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	165.33	

33 42 11 00-1090 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-1054)

33 42 11 00-1091	LF	72" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	592.68	69.55
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	129.95	
33 42 11 00-1092	LF	78" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	639.36	76.07
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	139.34	
33 42 11 00-1093	LF	84" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	682.43	81.51
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	148.56	
33 42 11 00-1094	LF	90" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	725.22	86.94
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	157.68	
33 42 11 00-1095	LF	96" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	769.03	92.37
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	166.88	
33 42 11 00-1096	LF	102" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	815.69	97.80
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	176.04	
33 42 11 00-1097	LF	108" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	865.02	108.67
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	185.23	
33 42 11 00-1098	LF	114" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	913.84	119.54
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	194.42	
33 42 11 00-1099	LF	120" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	961.15	130.41
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	203.56	
33 42 11 00-1100	LF	126" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,020.88	141.27
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	215.64	
33 42 11 00-1101	LF	132" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,075.77	152.14
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	225.57	
33 42 11 00-1102	LF	138" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,135.31	163.00
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	235.90	

33 42 11 00-1103 Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-0961)

33 42 11 00-1104 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-1103)

33 42 11 00-1105	LF	18" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	69.64	12.15
33 42 11 00-1106	LF	21" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	80.14	13.17
33 42 11 00-1107	LF	24" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	89.80	14.18
33 42 11 00-1108	LF	30" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	116.93	18.23
33 42 11 00-1109	LF	36" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	149.73	23.91
33 42 11 00-1110	LF	42" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	171.94	28.26
33 42 11 00-1111	LF	48" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	193.94	32.60
33 42 11 00-1112	LF	54" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	230.85	36.95
33 42 11 00-1113	LF	60" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	252.28	39.12

33 42 11 00-1114 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-1103)

33 42 11 00-1115	LF	18" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	77.32	12.15
33 42 11 00-1116	LF	21" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	89.11	13.17
33 42 11 00-1117	LF	24" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	99.98	14.18
33 42 11 00-1118	LF	30" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	129.64	18.23
33 42 11 00-1119	LF	36" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	165.04	23.91
33 42 11 00-1120	LF	42" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	189.84	28.26
33 42 11 00-1121	LF	48" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	214.38	32.60
33 42 11 00-1122	LF	54" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	253.83	36.95

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1123	LF	60" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	277.90	39.12
33 42 11 00-1124	LF	66" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	338.29	47.82
33 42 11 00-1125	LF	72" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	400.37	69.55
33 42 11 00-1126	LF	78" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	431.85	76.07
33 42 11 00-1127 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-1103)				
33 42 11 00-1128	LF	30" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	155.42	18.23
33 42 11 00-1129	LF	36" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	195.90	23.91
33 42 11 00-1130	LF	42" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	225.99	28.26
33 42 11 00-1131	LF	48" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	255.61	32.60
33 42 11 00-1132	LF	54" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	300.20	36.95
33 42 11 00-1133	LF	60" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	329.51	39.12
33 42 11 00-1134	LF	66" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	394.93	47.82
33 42 11 00-1135	LF	72" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	462.09	69.55
33 42 11 00-1136	LF	78" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	498.71	76.07
33 42 11 00-1137	LF	84" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	532.21	81.51
33 42 11 00-1138	LF	90" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	565.77	86.94
33 42 11 00-1139	LF	96" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	599.96	92.37
33 42 11 00-1140	LF	102" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	634.75	97.80
33 42 11 00-1141 Aluminized Type 2 Corrugated Steel Pipe-Arch (33 42 11 00-0452)				
33 42 11 00-1142 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch (33 42 11 00-1141)				
33 42 11 00-1143 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch (33 42 11 00-1142)				
33 42 11 00-1144	LF	17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	55.19	11.14
		For 1/2 Bituminous Coated And 40% Paved, Add	15.93	
33 42 11 00-1145	LF	21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	62.31	12.15
		For 1/2 Bituminous Coated And 40% Paved, Add	19.02	
33 42 11 00-1146	LF	24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	72.01	13.17
		For 1/2 Bituminous Coated And 40% Paved, Add	22.89	
33 42 11 00-1147	LF	28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	81.28	14.18
		For 1/2 Bituminous Coated And 40% Paved, Add	26.38	
33 42 11 00-1148	LF	35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	105.36	18.23
		For 1/2 Bituminous Coated And 40% Paved, Add	33.50	
33 42 11 00-1149	LF	42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	138.36	23.91
		For 1/2 Bituminous Coated And 40% Paved, Add	43.21	
33 42 11 00-1150 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch (33 42 11 00-1142)				
33 42 11 00-1151	LF	17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	61.72	11.14
		For 1/2 Bituminous Coated And 40% Paved, Add	16.51	
33 42 11 00-1152	LF	21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	70.24	12.15
		For 1/2 Bituminous Coated And 40% Paved, Add	19.77	
33 42 11 00-1153	LF	24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	80.93	13.17
		For 1/2 Bituminous Coated And 40% Paved, Add	23.52	
33 42 11 00-1154	LF	28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	91.60	14.18
		For 1/2 Bituminous Coated And 40% Paved, Add	27.12	
33 42 11 00-1155	LF	35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	118.22	18.23
		For 1/2 Bituminous Coated And 40% Paved, Add	34.35	
33 42 11 00-1156	LF	42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	153.67	23.91
		For 1/2 Bituminous Coated And 40% Paved, Add	43.76	
33 42 11 00-1157	LF	49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	177.97	28.26
		For 1/2 Bituminous Coated And 40% Paved, Add	52.13	
33 42 11 00-1158 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch (33 42 11 00-1142)				
33 42 11 00-1159	LF	21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	86.39	12.15
		For 1/2 Bituminous Coated And 40% Paved, Add	18.11	
33 42 11 00-1160	LF	24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	100.08	13.17
		For 1/2 Bituminous Coated And 40% Paved, Add	21.53	
33 42 11 00-1161	LF	28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	113.29	14.18
		For 1/2 Bituminous Coated And 40% Paved, Add	24.71	
33 42 11 00-1162	LF	35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	145.29	18.23
		For 1/2 Bituminous Coated And 40% Paved, Add	31.18	
33 42 11 00-1163	LF	42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	186.38	23.91
		For 1/2 Bituminous Coated And 40% Paved, Add	39.21	
33 42 11 00-1164	LF	49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	216.12	28.26
		For 1/2 Bituminous Coated And 40% Paved, Add	46.47	
33 42 11 00-1165	LF	57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	253.87	32.60
		For 1/2 Bituminous Coated And 40% Paved, Add	55.33	
33 42 11 00-1166	LF	64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	282.65	36.95
		For 1/2 Bituminous Coated And 40% Paved, Add	60.99	
33 42 11 00-1167 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch (33 42 11 00-1142)				
33 42 11 00-1168	LF	42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	215.74	23.91
		For 1/2 Bituminous Coated And 40% Paved, Add	41.26	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
33 42 11 00-1169	LF	49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	250.37	28.26	
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	48.76		
33 42 11 00-1170	LF	57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	292.71	32.60	
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	57.58		
33 42 11 00-1171	LF	64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	326.58	36.95	
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	63.75		
33 42 11 00-1172	LF	71" x 47" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	357.63	39.12	
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	69.90		
33 42 11 00-1173		3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch (33 42 11 00-1141)			
33 42 11 00-1174		14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch (33 42 11 00-1173)			
33 42 11 00-1175	LF	60" x 46" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	271.63	36.95	
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	91.61		
33 42 11 00-1176	LF	66" x 51" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	296.90	39.12	
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	100.25		
33 42 11 00-1177	LF	73" x 55" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	368.55	47.82	
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	125.91		
33 42 11 00-1178	LF	81" x 59" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	433.03	69.55	
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	134.98		
33 42 11 00-1179	LF	87" x 63" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	467.70	76.07	
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	144.53		
33 42 11 00-1180	LF	95" x 67" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	499.45	81.51	
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	154.09		
33 42 11 00-1181	LF	103" x 71" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	531.12	86.94	
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	163.62		
33 42 11 00-1182	LF	112" x 75" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	563.61	92.37	
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	173.16		
33 42 11 00-1183		12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch (33 42 11 00-1173)			
33 42 11 00-1184	LF	66" x 51" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	362.12	39.12	
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	113.92		
33 42 11 00-1185	LF	73" x 55" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	440.85	47.82	
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	139.24		
33 42 11 00-1186	LF	81" x 59" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	511.75	69.55	
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	149.75		
33 42 11 00-1187	LF	87" x 63" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	552.71	76.07	
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	160.63		
33 42 11 00-1188	LF	95" x 67" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	590.89	81.51	
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	171.58		
33 42 11 00-1189	LF	103" x 71" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	628.99	86.94	
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	182.50		
33 42 11 00-1190	LF	112" x 75" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	667.77	92.37	
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	193.38		
33 42 11 00-1191	LF	117" x 79" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	709.79	97.80	
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	204.35		
33 42 11 00-1192	LF	128" x 83" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	754.18	108.67	
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	215.27		
33 42 11 00-1193	LF	137" x 87" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	800.86	119.54	
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	227.29		
33 42 11 00-1194		10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch (33 42 11 00-1173)			
33 42 11 00-1195	LF	81" x 59" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	584.85	69.55	
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	162.09		
33 42 11 00-1196	LF	87" x 63" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	631.88	76.07	
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	174.15		
33 42 11 00-1197	LF	95" x 67" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	676.05	81.51	
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	186.24		
33 42 11 00-1198	LF	103" x 71" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	720.04	86.94	
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	198.26		
33 42 11 00-1199	LF	112" x 75" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	768.88	92.37	
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	211.76		
33 42 11 00-1200	LF	112" x 75" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	812.85	97.80	
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	222.40		
33 42 11 00-1201	LF	128" x 83" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	863.27	108.67	
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	234.47		
33 42 11 00-1202	LF	137" x 87" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	915.38	119.54	
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	247.32		
33 42 11 00-1203	LF	142" x 91" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	973.31	130.41	
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	262.78		
33 42 11 00-1204		125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch (33 42 11 00-1141)			
33 42 11 00-1205		12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch (33 42 11 00-1204)			
33 42 11 00-1206	LF	81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	519.13	69.55	
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	147.38		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1207	LF	87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	.....	559.44	76.07
		For 1/2 Bituminous Coated And 40% Paved, Add	.....	157.63	
33 42 11 00-1208	LF	95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	.....	596.52	81.51
		For 1/2 Bituminous Coated And 40% Paved, Add	.....	167.77	
33 42 11 00-1209	LF	103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	.....	633.58	86.94
		For 1/2 Bituminous Coated And 40% Paved, Add	.....	177.90	
33 42 11 00-1210	LF	112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	.....	671.56	92.37
		For 1/2 Bituminous Coated And 40% Paved, Add	.....	188.09	
33 42 11 00-1211	LF	117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	.....	713.03	97.80
		For 1/2 Bituminous Coated And 40% Paved, Add	.....	198.47	
33 42 11 00-1212	LF	128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	.....	756.87	108.67
		For 1/2 Bituminous Coated And 40% Paved, Add	.....	208.79	
33 42 11 00-1213	LF	137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	.....	806.99	119.54
		For 1/2 Bituminous Coated And 40% Paved, Add	.....	221.72	
33 42 11 00-1214 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch					
		(33 42 11 00-1204)			
33 42 11 00-1215	LF	81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	.....	600.10	69.55
		For 1/2 Bituminous Coated And 40% Paved, Add	.....	163.47	
33 42 11 00-1216	LF	87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	.....	646.89	76.07
		For 1/2 Bituminous Coated And 40% Paved, Add	.....	175.14	
33 42 11 00-1217	LF	95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	.....	690.51	81.51
		For 1/2 Bituminous Coated And 40% Paved, Add	.....	186.74	
33 42 11 00-1218	LF	103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	.....	734.34	86.94
		For 1/2 Bituminous Coated And 40% Paved, Add	.....	198.40	
33 42 11 00-1219	LF	112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	.....	777.85	92.37
		For 1/2 Bituminous Coated And 40% Paved, Add	.....	209.68	
33 42 11 00-1220	LF	117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	.....	826.76	97.80
		For 1/2 Bituminous Coated And 40% Paved, Add	.....	221.81	
33 42 11 00-1221	LF	128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	.....	877.33	108.67
		For 1/2 Bituminous Coated And 40% Paved, Add	.....	233.63	
33 42 11 00-1222	LF	137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	.....	934.08	119.54
		For 1/2 Bituminous Coated And 40% Paved, Add	.....	247.81	
33 42 11 00-1223	LF	142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	.....	987.27	130.41
		For 1/2 Bituminous Coated And 40% Paved, Add	.....	261.20	
33 42 11 00-1224 Spiral Lockseam Corrugated Aluminum Piping					
		(33 42 11 00-0452)			
33 42 11 00-1225		1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping	(33 42 11 00-1224)		
33 42 11 00-1226		18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping	(33 42 11 00-1225)		
33 42 11 00-1227	LF	6" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	.....	27.92	6.08
		For Bituminous Coated Pipe, Add	.....	3.03	
33 42 11 00-1228	LF	8" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	.....	36.16	7.60
		For Bituminous Coated Pipe, Add	.....	4.11	
33 42 11 00-1229	LF	10" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	.....	46.93	9.12
		For Bituminous Coated Pipe, Add	.....	5.42	
33 42 11 00-1230 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping					
		(33 42 11 00-1225)			
33 42 11 00-1231	LF	6" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	.....	31.40	6.08
		For Bituminous Coated Pipe, Add	.....	3.00	
33 42 11 00-1232	LF	8" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	.....	41.07	7.60
		For Bituminous Coated Pipe, Add	.....	4.11	
33 42 11 00-1233	LF	10" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	.....	53.48	9.12
		For Bituminous Coated Pipe, Add	.....	5.43	
33 42 11 00-1234 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping					
		(33 42 11 00-1234)			
33 42 11 00-1235		16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping	(33 42 11 00-1234)		
33 42 11 00-1236	LF	12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	.....	54.32	10.63
		For Bituminous Coated Pipe, Add	.....	5.96	
33 42 11 00-1237	LF	15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	.....	63.31	11.14
		For Bituminous Coated Pipe, Add	.....	7.48	
33 42 11 00-1238	LF	18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	.....	72.86	12.15
		For Bituminous Coated Pipe, Add	.....	9.09	
33 42 11 00-1239	LF	21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	.....	84.24	13.17
		For Bituminous Coated Pipe, Add	.....	10.85	
33 42 11 00-1240	LF	24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	.....	94.28	14.18
		For Bituminous Coated Pipe, Add	.....	12.30	
33 42 11 00-1241 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping					
		(33 42 11 00-1234)			
33 42 11 00-1242	LF	12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	.....	61.77	10.63
		For Bituminous Coated Pipe, Add	.....	5.83	
33 42 11 00-1243	LF	15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	.....	72.80	11.14
		For Bituminous Coated Pipe, Add	.....	7.34	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
33 42 11 00-1244	LF 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	84.23 8.89		12.15	
33 42 11 00-1245	LF 21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	97.43 10.56		13.17	
33 42 11 00-1246	LF 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	109.43 12.00		14.18	
33 42 11 00-1247	LF 30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	142.04 15.38		18.23	
33 42 11 00-1248	LF 36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	180.82 19.13		23.91	
33 42 11 00-1249 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping (33 42 11 00-1234)					
33 42 11 00-1250	LF 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	138.37 11.39		14.18	
33 42 11 00-1251	LF 30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	178.08 14.49		18.23	
33 42 11 00-1252	LF 36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	224.10 17.86		23.91	
33 42 11 00-1253	LF 42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	259.25 21.00		28.26	
33 42 11 00-1254	LF 48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	293.24 23.78		32.60	
33 42 11 00-1255	LF 54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	345.44 28.21		36.95	
33 42 11 00-1256 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping (33 42 11 00-1234)					
33 42 11 00-1257	LF 36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	270.23 17.56		23.91	
33 42 11 00-1258	LF 42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	312.98 20.61		28.26	
33 42 11 00-1259	LF 48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	354.83 23.39		32.60	
33 42 11 00-1260	LF 54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	414.72 27.45		36.95	
33 42 11 00-1261	LF 60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	456.12 30.25		39.12	
33 42 11 00-1262 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping (33 42 11 00-1224)					
33 42 11 00-1263 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping (33 42 11 00-1262)					
33 42 11 00-1264	LF 30" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	139.69		18.23	
33 42 11 00-1265	LF 36" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	177.88		23.91	
33 42 11 00-1266	LF 42" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	204.37		28.26	
33 42 11 00-1267	LF 48" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	231.49		32.60	
33 42 11 00-1268	LF 54" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	273.91		36.95	
33 42 11 00-1269 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping (33 42 11 00-1262)					
33 42 11 00-1270	LF 30" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	158.67		18.23	
33 42 11 00-1271	LF 36" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	204.96		23.91	
33 42 11 00-1272	LF 42" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	235.80		28.26	
33 42 11 00-1273	LF 48" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	265.80		32.60	
33 42 11 00-1274	LF 54" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	314.09		36.95	
33 42 11 00-1275	LF 60" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	343.49		39.12	
33 42 11 00-1276	LF 66" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	418.15		47.82	
33 42 11 00-1277	LF 72" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	486.05		69.55	
33 42 11 00-1278	LF 78" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	523.17		76.07	
33 42 11 00-1279 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping (33 42 11 00-1262)					
33 42 11 00-1280	LF 30" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	202.98		18.23	
33 42 11 00-1281	LF 36" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	254.79		23.91	
33 42 11 00-1282	LF 42" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	295.35		28.26	
33 42 11 00-1283	LF 48" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	334.09		32.60	
33 42 11 00-1284	LF 54" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	390.76		36.95	
33 42 11 00-1285	LF 60" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	428.39		39.12	
33 42 11 00-1286	LF 66" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	511.26		47.82	
33 42 11 00-1287	LF 72" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	587.60		69.55	
33 42 11 00-1288	LF 78" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	633.02		76.07	
33 42 11 00-1289	LF 84" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	675.61		81.51	
33 42 11 00-1290	LF 90" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	718.08		86.94	
33 42 11 00-1291	LF 96" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	761.32		92.37	
33 42 11 00-1292 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping (33 42 11 00-1262)					

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1293	LF	60" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	517.69	39.12
33 42 11 00-1294	LF	66" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	605.72	47.82
33 42 11 00-1295	LF	72" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	690.54	69.55
33 42 11 00-1296	LF	78" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	744.44	76.07
33 42 11 00-1297	LF	84" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	795.37	81.51
33 42 11 00-1298	LF	90" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	846.30	86.94
33 42 11 00-1299	LF	96" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	897.96	92.37
33 42 11 00-1300	LF	102" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	952.81	97.80
33 42 11 00-1301	LF	108" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	1,010.06	108.67
33 42 11 00-1302		Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-1224) Note: Contech ULTRA FLO. HS 20 and HS 25 vehicular loading.		
33 42 11 00-1303		16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-1302)		
33 42 11 00-1304	LF	18" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	98.41	12.15
33 42 11 00-1305	LF	21" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	105.81	13.17
33 42 11 00-1306	LF	24" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	128.25	14.18
33 42 11 00-1307	LF	27" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	148.11	16.21
33 42 11 00-1308	LF	30" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	165.69	18.23
33 42 11 00-1309	LF	33" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	185.54	20.26
33 42 11 00-1310		14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-1302)		
33 42 11 00-1311	LF	18" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	114.46	12.15
33 42 11 00-1312	LF	21" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	132.74	13.17
33 42 11 00-1313	LF	24" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	149.83	14.18
33 42 11 00-1314	LF	27" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	172.34	16.21
33 42 11 00-1315	LF	30" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	192.56	18.23
33 42 11 00-1316	LF	33" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	215.15	20.26
33 42 11 00-1317	LF	36" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	241.82	23.91
33 42 11 00-1318	LF	42" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	279.88	28.26
33 42 11 00-1319	LF	48" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	316.74	32.60
33 42 11 00-1320		12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-1302)		
33 42 11 00-1321	LF	30" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	245.11	18.23
33 42 11 00-1322	LF	33" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	272.84	20.26
33 42 11 00-1323	LF	36" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	304.84	23.91
33 42 11 00-1324	LF	42" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	353.48	28.26
33 42 11 00-1325	LF	48" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	400.85	32.60
33 42 11 00-1326	LF	54" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	557.82	36.95
33 42 11 00-1327	LF	60" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	614.10	39.12
33 42 11 00-1328		10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-1302)		
33 42 11 00-1329	LF	48" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	572.22	32.60
33 42 11 00-1330	LF	54" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	663.48	36.95
33 42 11 00-1331	LF	60" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	731.62	39.12
33 42 11 00-1332	LF	66" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	849.34	47.82
33 42 11 00-1333	LF	72" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	954.40	69.55
33 42 11 00-1334	LF	78" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,029.51	76.07
33 42 11 00-1335	LF	84" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,101.00	81.51
33 42 11 00-1336		Spiral Lockseam Aluminum Pipe-Arch (33 42 11 00-0452)		
33 42 11 00-1337		2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch (33 42 11 00-1336)		
33 42 11 00-1338		16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch (33 42 11 00-1337)		
33 42 11 00-1339	LF	17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	66.70	11.14
		For Bituminous Coated Pipe, Add	7.49	
33 42 11 00-1340	LF	21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	76.06	12.15
		For Bituminous Coated Pipe, Add	8.95	
33 42 11 00-1341	LF	24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	87.90	13.17
		For Bituminous Coated Pipe, Add	10.66	
33 42 11 00-1342		14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch (33 42 11 00-1337)		
33 42 11 00-1343	LF	17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	76.21	11.14
		For Bituminous Coated Pipe, Add	7.47	
33 42 11 00-1344	LF	21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	85.20	12.15
		For Bituminous Coated Pipe, Add	8.61	
33 42 11 00-1345	LF	24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	101.09	13.17
		For Bituminous Coated Pipe, Add	10.57	
33 42 11 00-1346	LF	28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	114.39	14.18
		For Bituminous Coated Pipe, Add	12.13	
33 42 11 00-1347	LF	35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	146.98	18.23
		For Bituminous Coated Pipe, Add	15.34	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 42 11 00-1348	12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch		
	(33 42 11 00-1337)		
33 42 11 00-1349	LF 28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	143.35	14.18
	For Bituminous Coated Pipe, Add	11.56	
33 42 11 00-1350	LF 35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	183.10	18.23
	For Bituminous Coated Pipe, Add	14.57	
33 42 11 00-1351	LF 42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	232.60	23.91
	For Bituminous Coated Pipe, Add	18.19	
33 42 11 00-1352	LF 49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	270.44	28.26
	For Bituminous Coated Pipe, Add	21.51	
33 42 11 00-1353	10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch		
	(33 42 11 00-1337)		
33 42 11 00-1354	LF 42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	278.67	23.91
	For Bituminous Coated Pipe, Add	17.55	
33 42 11 00-1355	LF 49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	324.27	28.26
	For Bituminous Coated Pipe, Add	20.71	
33 42 11 00-1356	LF 57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	377.49	32.60
	For Bituminous Coated Pipe, Add	24.26	
33 42 11 00-1357	LF 64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	422.17	36.95
	For Bituminous Coated Pipe, Add	26.99	
33 42 11 00-1358	3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch (33 42 11 00-1336)		
33 42 11 00-1359	14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch (33 42 11 00-1358)		
33 42 11 00-1360	LF 60" x 46" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	321.54	36.95
33 42 11 00-1361	LF 66" x 51" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	352.15	39.12
33 42 11 00-1362	LF 73" x 55" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	428.85	47.82
33 42 11 00-1363	12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch (33 42 11 00-1358)		
33 42 11 00-1364	LF 60" x 46" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	398.21	36.95
33 42 11 00-1365	LF 66" x 51" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	437.05	39.12
33 42 11 00-1366	LF 73" x 55" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	521.58	47.82
33 42 11 00-1367	LF 81" x 59" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	598.71	69.55
33 42 11 00-1368	LF 87" x 63" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	644.91	76.07
33 42 11 00-1369	LF 95" x 67" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	688.28	81.51
33 42 11 00-1370	10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch (33 42 11 00-1358)		
33 42 11 00-1371	LF 66" x 51" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	526.21	39.12
33 42 11 00-1372	LF 73" x 55" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	615.66	47.82
33 42 11 00-1373	LF 81" x 59" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	701.24	69.55
33 42 11 00-1374	LF 87" x 63" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	755.93	76.07
33 42 11 00-1375	LF 95" x 67" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	807.65	81.51
33 42 11 00-1376	LF 103" x 71" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	859.34	86.94
33 42 11 00-1377	Corrugated Steel Pipe Fittings (33 42 11 00-0452)		
	Note: Equivalent pipe-arch sizes are approximate.		
33 42 11 00-1378	Fabricate 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fittings (33 42 11 00-1377)		
	Note: Excludes material. Use appropriate size, gauge, corrugation and type of material from pipe sections for the listed requirements of pipe needed.		
33 42 11 00-1379	EA Fabricate 6" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe)	87.89	
33 42 11 00-1380	EA Fabricate 8" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe)	110.21	
33 42 11 00-1381	EA Fabricate 10" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe)	132.54	
33 42 11 00-1382	EA Fabricate 12" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	156.27	
33 42 11 00-1383	EA Fabricate 15" (Or 17" x 13" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	189.75	
33 42 11 00-1384	EA Fabricate 18" (Or 21" x 15" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	223.21	
33 42 11 00-1385	EA Fabricate 21" (Or 24" x 18" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	256.71	
33 42 11 00-1386	EA Fabricate 24" (Or 28" x 20" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	290.17	
33 42 11 00-1387	EA Fabricate 30" (Or 35" x 24" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	378.09	
33 42 11 00-1388	EA Fabricate 36" (Or 42" x 29" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	450.62	
33 42 11 00-1389	EA Fabricate 42" (Or 49" x 33" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	523.17	
33 42 11 00-1390	EA Fabricate 48" (Or 57" x 38" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	676.64	
33 42 11 00-1391	EA Fabricate 54" (Or 64" x 43" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe).....	763.15	
33 42 11 00-1392	EA Fabricate 60" (Or 71" x 47" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe).....	852.43	
33 42 11 00-1393	EA Fabricate 66" (Or 77" x 52" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe).....	944.51	
33 42 11 00-1394	EA Fabricate 72" (Or 83" x 57" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe).....	1,150.99	

			Utilities	33	\$
			Stormwater Utilities	33 40	
			Stormwater Conveyance	33 42	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 42 11 00-1395	EA	Fabricate 78" (Or 87" x 63" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe).....	1,255.61
33 42 11 00-1396	EA	Fabricate 84" (Or 95" x 67" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe).....	1,363.04
33 42 11 00-1397	EA	Fabricate 90" (Or 103" x 71" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	1,672.76
33 42 11 00-1398	EA	Fabricate 96" (Or 112" x 75" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	1,795.55
33 42 11 00-1399	EA	Fabricate 102" (Or 117" x 79" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	1,919.70
33 42 11 00-1400	EA	Fabricate 108" (Or 128" x 83" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe).....	2,043.86
33 42 11 00-1401	EA	Fabricate 114" (Or 137" x 87" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe).....	2,166.63
33 42 11 00-1402	EA	Fabricate 120" (Or 142" x 91" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe).....	2,290.81
33 42 11 00-1403	EA	Fabricate 126" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe).....	2,421.72
33 42 11 00-1404	EA	Fabricate 132" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe).....	2,560.12
33 42 11 00-1405	EA	Fabricate 138" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe).....	2,706.40

33 42 11 00-1406

Fabricate Corrugated Steel Pipe Tees Or Laterals (33 42 11 00-1377)

Note: Fabrication charge excludes material. Use appropriate size, gauge, corrugation and type of material from pipe sections for the listed requirements of pipe needed.

33 42 11 00-1407	EA	Fabricate 6" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe).....	114.41
33 42 11 00-1408	EA	Fabricate 8" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe).....	146.49
33 42 11 00-1409	EA	Fabricate 10" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe).....	178.56
33 42 11 00-1410	EA	Fabricate 12" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe).....	210.67
33 42 11 00-1411	EA	Fabricate 15" (Or 17" x 13" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	256.71
33 42 11 00-1412	EA	Fabricate 18" (Or 21" x 15" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	304.13
33 42 11 00-1413	EA	Fabricate 21" (Or 24" x 18" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	351.59
33 42 11 00-1414	EA	Fabricate 24" (Or 28" x 20" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	398.98
33 42 11 00-1415	EA	Fabricate 30" (Or 35" x 24" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe).....	523.17
33 42 11 00-1416	EA	Fabricate 36" (Or 42" x 29" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe).....	623.63
33 42 11 00-1417	EA	Fabricate 42" (Or 49" x 33" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe).....	725.47
33 42 11 00-1418	EA	Fabricate 48" (Or 57" x 38" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe).....	941.71
33 42 11 00-1419	EA	Fabricate 54" (Or 64" x 43" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	1,060.29
33 42 11 00-1420	EA	Fabricate 60" (Or 71" x 47" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	1,183.06
33 42 11 00-1421	EA	Fabricate 66" (Or 77" x 52" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	1,308.63
33 42 11 00-1422	EA	Fabricate 72" (Or 83" x 57" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe).....	1,596.01
33 42 11 00-1423	EA	Fabricate 78" (Or 87" x 63" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe).....	1,738.34
33 42 11 00-1424	EA	Fabricate 84" (Or 95" x 67" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe).....	1,883.42
33 42 11 00-1425	EA	Fabricate 90" (Or 103" x 71" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 18' Of Appropriate Pipe).....	2,317.28
33 42 11 00-1426	EA	Fabricate 96" (Or 112" x 75" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 18' Of Appropriate Pipe).....	2,483.32
33 42 11 00-1427	EA	Fabricate 102" (Or 117" x 79" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 20' Of Appropriate Pipe).....	2,649.35
33 42 11 00-1428	EA	Fabricate 108" (Or 128" x 83" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 20' Of Appropriate Pipe).....	2,816.74
33 42 11 00-1429	EA	Fabricate 114" (Or 137" x 87" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 21' Of Appropriate Pipe).....	2,984.17
33 42 11 00-1430	EA	Fabricate 120" (Or 142" x 91" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 21' Of Appropriate Pipe).....	3,150.17
33 42 11 00-1431	EA	Fabricate 126" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 23' Of Appropriate Pipe).....	3,325.43
33 42 11 00-1432	EA	Fabricate 132" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 24' Of Appropriate Pipe).....	3,510.42
33 42 11 00-1433	EA	Fabricate 138" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 24' Of Appropriate Pipe).....	3,705.69

33 42 11 00-1434

Fabricate Skew Or Bevel Ends, Corrugated Steel Pipe Fitting (33 42 11 00-1377)

Note: Applied to pipe tasks.

33 42 11 00-1435	EA	Fabricate 6" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	44.29
33 42 11 00-1436	EA	Fabricate 8" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	55.71
33 42 11 00-1437	EA	Fabricate 10" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	70.07
33 42 11 00-1438	EA	Fabricate 12" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	85.81
33 42 11 00-1439	EA	Fabricate 15" (Or 17" x 13" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	108.58
33 42 11 00-1440	EA	Fabricate 18" (Or 21" x 15" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	132.95
33 42 11 00-1441	EA	Fabricate 21" (Or 24" x 18" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	155.74
33 42 11 00-1442	EA	Fabricate 24" (Or 28" x 20" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	180.94
33 42 11 00-1443	EA	Fabricate 30" (Or 35" x 24" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	222.23
33 42 11 00-1444	EA	Fabricate 36" (Or 42" x 29" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	264.97
33 42 11 00-1445	EA	Fabricate 42" (Or 49" x 33" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	316.16
33 42 11 00-1446	EA	Fabricate 48" (Or 57" x 38" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	388.91
33 42 11 00-1447	EA	Fabricate 54" (Or 64" x 43" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	440.20

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 42 11 00-1448	EA	Fabricate 60" (Or 71" x 47" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	495.74
33 42 11 00-1449	EA	Fabricate 66" (Or 77" x 52" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	601.18
33 42 11 00-1450	EA	Fabricate 72" (Or 83" x 57" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	666.69
33 42 11 00-1451	EA	Fabricate 78" (Or 87" x 63" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	813.43
33 42 11 00-1452	EA	Fabricate 84" (Or 95" x 67" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	886.11
33 42 11 00-1453	EA	Fabricate 90" (Or 103" x 71" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	963.07
33 42 11 00-1454	EA	Fabricate 96" (Or 112" x 75" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,038.51
33 42 11 00-1455	EA	Fabricate 102" (Or 117" x 79" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,115.44
33 42 11 00-1456	EA	Fabricate 108" (Or 128" x 83" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,193.78
33 42 11 00-1457	EA	Fabricate 114" (Or 137" x 87" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,270.74
33 42 11 00-1458	EA	Fabricate 120" (Or 142" x 91" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,347.65
33 42 11 00-1459	EA	Fabricate 126" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,429.21
33 42 11 00-1460	EA	Fabricate 132" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,515.70
33 42 11 00-1461	EA	Fabricate 138" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,607.43

33 42 11 00-1462 Saddles, Corrugated Steel Pipe Fitting (33 42 11 00-1377)

Note: For Field Tap

33 42 11 00-1463	EA	6" Saddle, Corrugated Steel Pipe Fitting	285.92
33 42 11 00-1464	EA	8" Saddle, Corrugated Steel Pipe Fitting	322.58
33 42 11 00-1465	EA	10" Saddle, Corrugated Steel Pipe Fitting	370.95
33 42 11 00-1466	EA	12" Saddle, Corrugated Steel Pipe Fitting	454.04
33 42 11 00-1467	EA	15" Saddle, Corrugated Steel Pipe Fitting	560.58
33 42 11 00-1468	EA	18" Saddle, Corrugated Steel Pipe Fitting	669.40
33 42 11 00-1469	EA	21" Saddle, Corrugated Steel Pipe Fitting	844.34
33 42 11 00-1470	EA	24" Saddle, Corrugated Steel Pipe Fitting	1,003.80
33 42 11 00-1471	EA	30" Saddle, Corrugated Steel Pipe Fitting	1,261.63
33 42 11 00-1472	EA	36" Saddle, Corrugated Steel Pipe Fitting	1,627.86
33 42 11 00-1473	EA	42" Saddle, Corrugated Steel Pipe Fitting	1,922.54
33 42 11 00-1474	EA	48" Saddle, Corrugated Steel Pipe Fitting	2,261.55
33 42 11 00-1475	EA	54" Saddle, Corrugated Steel Pipe Fitting	2,691.27
33 42 11 00-1476	EA	60" Saddle, Corrugated Steel Pipe Fitting	3,190.37
33 42 11 00-1477	EA	66" Saddle, Corrugated Steel Pipe Fitting	3,633.95
33 42 11 00-1478	EA	72" Saddle, Corrugated Steel Pipe Fitting	4,051.97
33 42 11 00-1479	EA	78" Saddle, Corrugated Steel Pipe Fitting	4,754.46
33 42 11 00-1480	EA	84" Saddle, Corrugated Steel Pipe Fitting	5,252.16
33 42 11 00-1481	EA	90" Saddle, Corrugated Steel Pipe Fitting	6,218.86
33 42 11 00-1482	EA	96" Saddle, Corrugated Steel Pipe Fitting	6,874.72
33 42 11 00-1483	EA	102" Saddle, Corrugated Steel Pipe Fitting	7,801.01
33 42 11 00-1484	EA	108" Saddle, Corrugated Steel Pipe Fitting	8,853.66
33 42 11 00-1485	EA	114" Saddle, Corrugated Steel Pipe Fitting	10,047.16
33 42 11 00-1486	EA	120" Saddle, Corrugated Steel Pipe Fitting	11,400.01

33 42 11 00-1487 Coupling Bands, Corrugated Metal Pipe Fitting (33 42 11 00-1377)

33 42 11 00-1488	EA	6" Coupling Band, Corrugated Metal Pipe Fitting.....	17.35
<i>For Bituminous Coated, Add</i>			5.03
33 42 11 00-1489	EA	8" Coupling Band, Corrugated Metal Pipe Fitting.....	23.03
<i>For Bituminous Coated, Add</i>			6.68
33 42 11 00-1490	EA	10" Coupling Band, Corrugated Metal Pipe Fitting.....	29.02
<i>For Bituminous Coated, Add</i>			8.42
33 42 11 00-1491	EA	12" Coupling Band, Corrugated Metal Pipe Fitting.....	48.16
<i>For Bituminous Coated, Add</i>			13.97
33 42 11 00-1492	EA	15" Coupling Band, Corrugated Metal Pipe Fitting.....	60.73
<i>For Bituminous Coated, Add</i>			17.61
33 42 11 00-1493	EA	18" Coupling Band, Corrugated Metal Pipe Fitting.....	89.10
<i>For Bituminous Coated, Add</i>			25.84
33 42 11 00-1494	EA	21" Coupling Band, Corrugated Metal Pipe Fitting.....	105.75
<i>For Bituminous Coated, Add</i>			30.67
33 42 11 00-1495	EA	24" Coupling Band, Corrugated Metal Pipe Fitting.....	119.91
<i>For Bituminous Coated, Add</i>			34.77
33 42 11 00-1496	EA	30" Coupling Band, Corrugated Metal Pipe Fitting.....	207.51
<i>For Bituminous Coated, Add</i>			60.18
33 42 11 00-1497	EA	36" Coupling Band, Corrugated Metal Pipe Fitting.....	332.01
<i>For Bituminous Coated, Add</i>			79.68
33 42 11 00-1498	EA	42" Coupling Band, Corrugated Metal Pipe Fitting.....	390.10
<i>For Bituminous Coated, Add</i>			93.62
33 42 11 00-1499	EA	48" Coupling Band, Corrugated Metal Pipe Fitting.....	437.11
<i>For Bituminous Coated, Add</i>			104.91
33 42 11 00-1500	EA	54" Coupling Band, Corrugated Metal Pipe Fitting.....	619.90
<i>For Bituminous Coated, Add</i>			148.78
33 42 11 00-1501	EA	60" Coupling Band, Corrugated Metal Pipe Fitting.....	886.64
<i>For Bituminous Coated, Add</i>			159.60
33 42 11 00-1502	EA	66" Coupling Band, Corrugated Metal Pipe Fitting.....	1,089.67
<i>For Bituminous Coated, Add</i>			196.14
33 42 11 00-1503	EA	72" Coupling Band, Corrugated Metal Pipe Fitting.....	1,399.74
<i>For Bituminous Coated, Add</i>			195.96
33 42 11 00-1504	EA	78" Coupling Band, Corrugated Metal Pipe Fitting.....	1,497.12
<i>For Bituminous Coated, Add</i>			209.60
33 42 11 00-1505	EA	84" Coupling Band, Corrugated Metal Pipe Fitting.....	1,595.04
<i>For Bituminous Coated, Add</i>			223.31
33 42 11 00-1506	EA	90" Coupling Band, Corrugated Metal Pipe Fitting.....	1,692.46
<i>For Bituminous Coated, Add</i>			236.94
33 42 11 00-1507	EA	96" Coupling Band, Corrugated Metal Pipe Fitting.....	1,790.14
<i>For Bituminous Coated, Add</i>			250.62
33 42 11 00-1508	EA	102" Coupling Band, Corrugated Metal Pipe Fitting.....	1,888.06
<i>For Bituminous Coated, Add</i>			264.33

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 42 11 00-1509	EA		108" Coupling Band, Corrugated Metal Pipe Fitting <i>For Bituminous Coated, Add</i>	1,985.54 277.98	
33 42 11 00-1510	EA		114" Coupling Band, Corrugated Metal Pipe Fitting <i>For Bituminous Coated, Add</i>	2,351.65 282.20	
33 42 11 00-1511	EA		120" Coupling Band, Corrugated Metal Pipe Fitting <i>For Bituminous Coated, Add</i>	2,180.33 261.64	
33 42 11 00-1512	EA		126" Coupling Band, Corrugated Metal Pipe Fitting <i>For Bituminous Coated, Add</i>	2,277.51 273.30	
33 42 11 00-1513	EA		132" Coupling Band, Corrugated Metal Pipe Fitting <i>For Bituminous Coated, Add</i>	2,375.38 285.05	
33 42 11 00-1514	EA		138" Coupling Band, Corrugated Metal Pipe Fitting <i>For Bituminous Coated, Add</i>	2,473.36 296.80	

33 42 11 00-1515 90 Degree Bends, Galvanized Corrugated Metal Pipe Fitting (33 42 11 00-1377)

33 42 11 00-1516	EA		12" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	425.92	121.56
33 42 11 00-1517	EA		15" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	519.08	151.94
33 42 11 00-1518	EA		18" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	609.45	202.58
33 42 11 00-1519	EA		24" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	897.20	283.62
33 42 11 00-1520	EA		30" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	1,073.29	324.14
33 42 11 00-1521	EA		36" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	1,483.58	369.49
33 42 11 00-1522	EA		42" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	1,758.07	434.69
33 42 11 00-1523	EA		48" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	2,013.41	434.69
33 42 11 00-1524	EA		54" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	2,454.26	608.56
33 42 11 00-1525	EA		60" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	2,786.40	608.56
33 42 11 00-1526	EA		66" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	3,361.93	760.70
33 42 11 00-1527	EA		72" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	3,589.69	809.60
33 42 11 00-1528	EA		78" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	4,528.20	1,014.23
33 42 11 00-1529	EA		84" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	5,040.37	1,086.72

33 42 11 00-1530 Wyes Or Tees, Galvanized Corrugated Metal Pipe Fitting (33 42 11 00-1377)

33 42 11 00-1531	EA		12" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	619.77	162.07
33 42 11 00-1532	EA		15" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	714.78	202.58
33 42 11 00-1533	EA		18" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	832.82	263.36
33 42 11 00-1534	EA		24" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	1,194.77	364.66
33 42 11 00-1535	EA		30" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	1,572.77	425.44
33 42 11 00-1536	EA		36" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	2,159.03	499.89
33 42 11 00-1537	EA		42" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	2,562.34	586.82
33 42 11 00-1538	EA		48" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	2,988.24	586.82
33 42 11 00-1539	EA		54" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	3,588.58	804.17
33 42 11 00-1540	EA		60" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	4,044.12	804.17
33 42 11 00-1541	EA		66" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	4,773.42	1,021.52
33 42 11 00-1542	EA		72" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	5,039.15	1,086.72
33 42 11 00-1543	EA		78" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	6,602.16	1,352.97
33 42 11 00-1544	EA		84" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	7,667.65	1,456.20

33 42 13 Stormwater Culverts (33 42)

33 42 13 13 Precast Concrete Stormwater Culverts (33 42 13)

33 42 13 13-0001 Precast Reinforced Concrete Box Culvert (33 42 13 13)

Note: The quantity required shall be the entire length of the culvert including the length of the cut-off sections. Includes delivery, handling, hoisting into place, alignment, bracing, permanent connections, grouting of joints and caulking of joints. Excludes crane, excavation and backfill. Minimum length 6'-0". See CSI section 01 22 23 00-0976 for crane lifting equipment.

33 42 13 13-0002	LF		3' x 3' Precast Reinforced Concrete Box Culvert	432.23	54.33
			<i>For Each LF Of Cut-Off Section, Add</i>	17.29	
33 42 13 13-0003	LF		4' x 2' Precast Reinforced Concrete Box Culvert	487.00	54.33
			<i>For Each LF Of Cut-Off Section, Add</i>	19.48	
33 42 13 13-0004	LF		4' x 3' Precast Reinforced Concrete Box Culvert	575.47	54.33
			<i>For Each LF Of Cut-Off Section, Add</i>	23.02	
33 42 13 13-0005	LF		5' x 3' Precast Reinforced Concrete Box Culvert	690.91	67.92
			<i>For Each LF Of Cut-Off Section, Add</i>	27.64	
33 42 13 13-0006	LF		5' x 4' Precast Reinforced Concrete Box Culvert	707.76	67.92
			<i>For Each LF Of Cut-Off Section, Add</i>	28.31	
33 42 13 13-0007	LF		5' x 5' Precast Reinforced Concrete Box Culvert	716.18	67.92
			<i>For Each LF Of Cut-Off Section, Add</i>	28.65	
33 42 13 13-0008	LF		6' x 3' Precast Reinforced Concrete Box Culvert	738.44	70.63
			<i>For Each LF Of Cut-Off Section, Add</i>	29.54	
33 42 13 13-0009	LF		6' x 4' Precast Reinforced Concrete Box Culvert	742.65	70.63
			<i>For Each LF Of Cut-Off Section, Add</i>	29.71	
33 42 13 13-0010	LF		6' x 6' Precast Reinforced Concrete Box Culvert	818.48	70.63
			<i>For Each LF Of Cut-Off Section, Add</i>	32.74	
33 42 13 13-0011	LF		7' x 4' Precast Reinforced Concrete Box Culvert	840.05	81.51
			<i>For Each LF Of Cut-Off Section, Add</i>	33.60	
33 42 13 13-0012	LF		7' x 6' Precast Reinforced Concrete Box Culvert	898.27	110.85
			<i>For Each LF Of Cut-Off Section, Add</i>	35.93	
33 42 13 13-0013	LF		8' x 2' Precast Reinforced Concrete Box Culvert	822.70	70.63
			<i>For Each LF Of Cut-Off Section, Add</i>	32.91	
33 42 13 13-0014	LF		8' x 3' Precast Reinforced Concrete Box Culvert	844.27	81.51
			<i>For Each LF Of Cut-Off Section, Add</i>	33.77	
33 42 13 13-0015	LF		8' x 4' Precast Reinforced Concrete Box Culvert	856.90	81.51
			<i>For Each LF Of Cut-Off Section, Add</i>	34.28	
33 42 13 13-0016	LF		8' x 5' Precast Reinforced Concrete Box Culvert	1,033.83	108.67
			<i>For Each LF Of Cut-Off Section, Add</i>	41.35	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 42 13 13-0017	LF	8' x 6' Precast Reinforced Concrete Box Culvert	1,037.21	108.67
		<i>For Each LF Of Cut-Off Section, Add</i>	41.49	
33 42 13 13-0018	LF	8' x 8' Precast Reinforced Concrete Box Culvert	1,147.58	135.84
		<i>For Each LF Of Cut-Off Section, Add</i>	45.90	
33 42 13 13-0019	LF	9' x 4' Precast Reinforced Concrete Box Culvert	1,142.53	108.67
		<i>For Each LF Of Cut-Off Section, Add</i>	45.70	
33 42 13 13-0020	LF	9' x 6' Precast Reinforced Concrete Box Culvert	1,209.09	135.84
		<i>For Each LF Of Cut-Off Section, Add</i>	48.36	
33 42 13 13-0021	LF	10' x 3' Precast Reinforced Concrete Box Culvert	1,213.30	135.84
		<i>For Each LF Of Cut-Off Section, Add</i>	48.53	
33 42 13 13-0022	LF	10' x 4' Precast Reinforced Concrete Box Culvert	1,474.51	135.84
		<i>For Each LF Of Cut-Off Section, Add</i>	58.98	
33 42 13 13-0023	LF	10' x 5' Precast Reinforced Concrete Box Culvert	1,545.27	163.00
		<i>For Each LF Of Cut-Off Section, Add</i>	61.81	
33 42 13 13-0024	LF	10' x 6' Precast Reinforced Concrete Box Culvert	1,562.12	163.00
		<i>For Each LF Of Cut-Off Section, Add</i>	62.48	
33 42 13 13-0025	LF	10' x 7' Precast Reinforced Concrete Box Culvert	1,566.34	163.00
		<i>For Each LF Of Cut-Off Section, Add</i>	62.65	
33 42 13 13-0026	LF	10' x 8' Precast Reinforced Concrete Box Culvert	1,572.23	163.00
		<i>For Each LF Of Cut-Off Section, Add</i>	62.89	
33 42 13 13-0027	LF	12' x 3' Precast Reinforced Concrete Box Culvert	1,632.90	190.18
		<i>For Each LF Of Cut-Off Section, Add</i>	65.32	
33 42 13 13-0028	LF	12' x 4' Precast Reinforced Concrete Box Culvert	1,632.90	190.18
		<i>For Each LF Of Cut-Off Section, Add</i>	65.32	
33 42 13 13-0029	LF	12' x 6' Precast Reinforced Concrete Box Culvert	1,632.90	190.18
		<i>For Each LF Of Cut-Off Section, Add</i>	65.32	
33 42 13 13-0030	LF	12' x 8' Precast Reinforced Concrete Box Culvert	1,632.90	190.18
		<i>For Each LF Of Cut-Off Section, Add</i>	65.32	
33 42 13 13-0031	LF	16' x 10' Precast Reinforced Concrete Box Culvert	2,377.75	217.35
		<i>For Each LF Of Cut-Off Section, Add</i>	95.11	
33 42 13 13-0032	LF	24' x 10' Precast Reinforced Concrete Box Culvert	3,304.61	217.35
		<i>For Each LF Of Cut-Off Section, Add</i>	132.18	

33 42 13 13-0033 Precast Reinforced Concrete Box Culvert For Roadways (33 42 13 13)

Note: AASHTO HL-93 Rated. The quantity required shall be the entire length of the culvert including the length of the cut-off sections. Includes delivery, handling, hoisting into place, alignment, bracing, permanent connections, grouting of joints and caulking of joints. Excludes crane, excavation and backfill. Minimum length 6'-0". See CSI section 01 22 23 00-0976 for crane lifting equipment.

33 42 13 13-0034	LF	3' x 3' Precast Reinforced Concrete Box Culvert For Roadways	1,077.24	54.33
		<i>For Each LF Of Cut-Off Section, Add</i>	43.09	
33 42 13 13-0035	LF	4' x 2' Precast Reinforced Concrete Box Culvert For Roadways	1,158.17	54.33
		<i>For Each LF Of Cut-Off Section, Add</i>	46.33	
33 42 13 13-0036	LF	4' x 3' Precast Reinforced Concrete Box Culvert For Roadways	1,301.41	54.33
		<i>For Each LF Of Cut-Off Section, Add</i>	52.06	
33 42 13 13-0037	LF	5' x 3' Precast Reinforced Concrete Box Culvert For Roadways	1,471.57	67.92
		<i>For Each LF Of Cut-Off Section, Add</i>	58.86	
33 42 13 13-0038	LF	5' x 4' Precast Reinforced Concrete Box Culvert For Roadways	1,614.80	67.92
		<i>For Each LF Of Cut-Off Section, Add</i>	64.59	
33 42 13 13-0039	LF	5' x 5' Precast Reinforced Concrete Box Culvert For Roadways	1,758.03	67.92
		<i>For Each LF Of Cut-Off Section, Add</i>	70.32	
33 42 13 13-0040	LF	6' x 3' Precast Reinforced Concrete Box Culvert For Roadways	1,620.20	70.63
		<i>For Each LF Of Cut-Off Section, Add</i>	64.81	
33 42 13 13-0041	LF	6' x 4' Precast Reinforced Concrete Box Culvert For Roadways	1,763.43	70.63
		<i>For Each LF Of Cut-Off Section, Add</i>	70.54	
33 42 13 13-0042	LF	6' x 6' Precast Reinforced Concrete Box Culvert For Roadways	2,049.90	70.63
		<i>For Each LF Of Cut-Off Section, Add</i>	82.00	
33 42 13 13-0043	LF	7' x 4' Precast Reinforced Concrete Box Culvert For Roadways	1,928.24	81.51
		<i>For Each LF Of Cut-Off Section, Add</i>	77.13	
33 42 13 13-0044	LF	7' x 6' Precast Reinforced Concrete Box Culvert For Roadways	2,272.89	110.85
		<i>For Each LF Of Cut-Off Section, Add</i>	90.92	
33 42 13 13-0045	LF	8' x 2' Precast Reinforced Concrete Box Culvert For Roadways	1,763.43	70.63
		<i>For Each LF Of Cut-Off Section, Add</i>	70.54	
33 42 13 13-0046	LF	8' x 3' Precast Reinforced Concrete Box Culvert For Roadways	1,928.24	81.51
		<i>For Each LF Of Cut-Off Section, Add</i>	77.13	
33 42 13 13-0047	LF	8' x 4' Precast Reinforced Concrete Box Culvert For Roadways	2,071.47	81.51
		<i>For Each LF Of Cut-Off Section, Add</i>	82.86	
33 42 13 13-0048	LF	8' x 5' Precast Reinforced Concrete Box Culvert For Roadways	2,268.58	108.67
		<i>For Each LF Of Cut-Off Section, Add</i>	90.74	
33 42 13 13-0049	LF	8' x 6' Precast Reinforced Concrete Box Culvert For Roadways	2,411.81	108.67
		<i>For Each LF Of Cut-Off Section, Add</i>	96.47	
33 42 13 13-0050	LF	8' x 8' Precast Reinforced Concrete Box Culvert For Roadways	2,752.20	135.84
		<i>For Each LF Of Cut-Off Section, Add</i>	110.09	
33 42 13 13-0051	LF	9' x 4' Precast Reinforced Concrete Box Culvert For Roadways	2,435.26	108.67
		<i>For Each LF Of Cut-Off Section, Add</i>	97.41	
33 42 13 13-0052	LF	9' x 6' Precast Reinforced Concrete Box Culvert For Roadways	2,795.31	135.84
		<i>For Each LF Of Cut-Off Section, Add</i>	111.81	
33 42 13 13-0053	LF	10' x 3' Precast Reinforced Concrete Box Culvert For Roadways	2,764.14	135.84
		<i>For Each LF Of Cut-Off Section, Add</i>	110.57	
33 42 13 13-0054	LF	10' x 4' Precast Reinforced Concrete Box Culvert For Roadways	2,934.22	135.84
		<i>For Each LF Of Cut-Off Section, Add</i>	117.37	
33 42 13 13-0055	LF	10' x 5' Precast Reinforced Concrete Box Culvert For Roadways	3,158.20	163.00
		<i>For Each LF Of Cut-Off Section, Add</i>	126.33	
33 42 13 13-0056	LF	10' x 6' Precast Reinforced Concrete Box Culvert For Roadways	3,328.28	163.00
		<i>For Each LF Of Cut-Off Section, Add</i>	133.13	
33 42 13 13-0057	LF	10' x 7' Precast Reinforced Concrete Box Culvert For Roadways	3,498.38	163.00
		<i>For Each LF Of Cut-Off Section, Add</i>	139.94	
33 42 13 13-0058	LF	10' x 8' Precast Reinforced Concrete Box Culvert For Roadways	3,668.46	163.00
		<i>For Each LF Of Cut-Off Section, Add</i>	146.74	

		Utilities	33	
		Stormwater Utilities	33 40	
		Stormwater Conveyance	33 42	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 42 13 13-0059	LF		12' x 3' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	3,664.51 146.58	190.18
33 42 13 13-0060	LF		12' x 4' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	3,857.84 154.31	190.18
33 42 13 13-0061	LF		12' x 6' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	4,244.56 169.78	190.18
33 42 13 13-0062	LF		12' x 8' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	4,631.28 185.25	190.18
33 42 13 13-0063	LF		16' x 10' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	5,544.56 221.78	217.35
33 42 13 13-0064	LF		24' x 10' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	7,005.47 280.22	217.35

33 42 23 Headwalls and Endwalls for Stormwater Piping (33 42)

33 42 23 00-0001 Headwalls (33 42 23)

Note: Excludes excavation and backfill. Select pipe with closest opening area for square or round culverts.

33 42 23 00-0002 Cast In Place Concrete Headwalls (33 42 23 00-0001)

Note: Includes concrete, forms, rebar (where required), finish and curing.

33 42 23 00-0003 Skewed Wingwall, Cast In Place Concrete Headwall (33 42 23 00-0002)

Note: Sized by pipe diameter.

33 42 23 00-0004	EA		12" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	1,643.36	711.55
33 42 23 00-0005	EA		15" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	2,068.12	759.00
33 42 23 00-0006	EA		18" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	2,706.09	994.18
33 42 23 00-0007	EA		24" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	4,246.90	1,423.12
33 42 23 00-0008	EA		30" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	5,910.04	1,897.48
33 42 23 00-0009	EA		36" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	7,092.51	2,501.09
33 42 23 00-0010	EA		42" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	9,729.01	3,449.94
33 42 23 00-0011	EA		48" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	11,570.68	4,065.99
33 42 23 00-0012	EA		54" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	13,913.96	4,950.00
33 42 23 00-0013	EA		60" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	16,683.38	5,992.04

33 42 23 00-0014 Precast Concrete Headwalls (33 42 23 00-0001)

33 42 23 00-0015	EA		12" Pipe, Precast Concrete Headwall	933.55	182.32
33 42 23 00-0016	EA		15" Pipe, Precast Concrete Headwall	963.93	192.46
33 42 23 00-0017	EA		18" Pipe, Precast Concrete Headwall	1,060.22	218.79
33 42 23 00-0018	EA		24" Pipe, Precast Concrete Headwall	1,172.50	232.98
33 42 23 00-0019	EA		30" Pipe, Precast Concrete Headwall	1,586.22	273.50
33 42 23 00-0020	EA		36" Pipe, Precast Concrete Headwall	1,778.80	283.62
33 42 23 00-0021	EA		42" Pipe, Precast Concrete Headwall	2,350.16	335.36
33 42 23 00-0022	EA		48" Pipe, Precast Concrete Headwall	2,597.96	369.49
33 42 23 00-0023	EA		54" Pipe, Precast Concrete Headwall	2,869.71	391.22
33 42 23 00-0024	EA		60" Pipe, Precast Concrete Headwall	3,261.06	391.22
33 42 23 00-0025	EA		72" Pipe, Precast Concrete Headwall	3,956.82	489.02
33 42 23 00-0026	EA		84" Pipe, Precast Concrete Headwall	5,630.93	586.82

33 42 23 00-0027 Precast Concrete Wingwalls (33 42 23 00-0001)

33 42 23 00-0028	EA		18" ID Pipe (26" Hole) Precast Concrete Wingwall..... Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	5,787.08	1,936.53
33 42 23 00-0029	EA		24" ID Pipe (32" Hole) Precast Concrete Wingwall..... Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	6,113.09	2,151.71
33 42 23 00-0030	EA		30" ID Pipe (42" Hole) Precast Concrete Wingwall..... Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	6,656.46	2,510.32
33 42 23 00-0031	EA		33" ID Pipe (46" Hole) Precast Concrete Wingwall..... Note: 12" thick wall and base. Wingwalls are configured at zero degrees only off centerline of pipe.	7,199.81	2,868.94
33 42 23 00-0032	EA		36" ID Pipe (50" Hole) Precast Concrete Wingwall..... Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	7,199.81	2,868.94
33 42 23 00-0033	EA		44" ID Pipe (58" Hole) Precast Concrete Wingwall..... Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	7,417.16	3,012.38
33 42 23 00-0034	EA		48" ID Pipe (62" Hole) Precast Concrete Wingwall..... Note: 12" thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	13,172.36	3,084.11
33 42 23 00-0035	EA		52" ID Pipe (66" Hole) Precast Concrete Wingwall..... Note: 12" thick wall and base. Wingwalls are configured at zero degrees only off centerline of pipe.	13,498.37	3,299.27

33 42 23 00-0036 Precast Concrete Transverse Drainage Interceptor (33 42 23 00-0001)

33 42 23 00-0037	EA		34" x 48" x 28" Precast Concrete Transverse Drainage Interceptor With Frame And Grate.....	3,374.79	760.70
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33 42 26 End Sections for Stormwater Piping (33 42)

33 42 26 16 Corrugated Metal End Sections for Stormwater Piping (33 42 26)

33 42 26 16-0001 Corrugated Metal Pipe End Sections (33 42 26 16)

33 42 26 16-0002 Galvanized Corrugated Steel Pipe End Sections (33 42 26 16-0001)

33 42 26 16-0003 Type 1 Galvanized Corrugated Steel Pipe End Sections (33 42 26 16-0002)

Note: Used with annular corrugations, no band required. Consists of a 12 gauge steel strap with a 6" bolt and nut.

33 42 26 16-0004	EA		12" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	317.62	70.90
33 42 26 16-0005	EA		15" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	371.82	75.97
33 42 26 16-0006	EA		18" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	437.99	81.04
33 42 26 16-0007	EA		21" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	535.25	88.64

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 42 26 16-0008 EA 24" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section.....593.92 96.22

33 42 26 16-0009 Type 2 Galvanized Corrugated Steel Pipe End Sections (33 42 26 16-0002)

Note: Partial circumferential rod with two hinge type lugs used with annular corrugations. No band required.

33 42 26 16-0010	EA	30" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section.....	981.12	108.89
33 42 26 16-0011	EA	36" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section.....	1,279.60	130.41
33 42 26 16-0012	EA	42" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section.....	1,990.26	152.14
33 42 26 16-0013	EA	48" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section.....	2,437.19	173.88
33 42 26 16-0014	EA	54" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section.....	2,898.32	217.35
33 42 26 16-0015	EA	60" 10 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section.....	3,381.34	260.82

33 42 26 16-0016 Type 3 Or 5 Galvanized Corrugated Steel Pipe End Sections (33 42 26 16-0002)

Note: Stubbed with 1' of pipe (excluded in price). Used with all pipe having annular end corrugations.

33 42 26 16-0017	EA	12" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	333.33	70.90
33 42 26 16-0018	EA	15" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	387.97	75.97
33 42 26 16-0019	EA	18" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	462.82	81.04
33 42 26 16-0020	EA	21" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	565.06	88.64
33 42 26 16-0021	EA	24" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	627.73	96.22
33 42 26 16-0022	EA	30" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	1,084.93	108.89
33 42 26 16-0023	EA	36" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	1,409.71	130.41
33 42 26 16-0024	EA	42" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	2,271.72	152.14
33 42 26 16-0025	EA	48" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	2,800.41	173.88
33 42 26 16-0026	EA	54" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	3,265.63	217.35
33 42 26 16-0027	EA	60" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	4,544.70	260.82
33 42 26 16-0028	EA	66" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	5,112.12	391.22
33 42 26 16-0029	EA	72" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	5,951.57	521.62
33 42 26 16-0030	EA	78" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	6,486.93	559.66
33 42 26 16-0031	EA	84" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	7,035.80	597.70

33 42 26 16-0032 Toe Plate Extensions For Galvanized Corrugated Steel Pipe End Section (33 42 26 16-0002)

33 42 26 16-0033	EA	Toe Plate Extension For 12" Diameter Galvanized Corrugated Steel Pipe End Section	43.12	
33 42 26 16-0034	EA	Toe Plate Extension For 15" Diameter Galvanized Corrugated Steel Pipe End Section	48.31	
33 42 26 16-0035	EA	Toe Plate Extension For 18" Diameter Galvanized Corrugated Steel Pipe End Section	54.68	
33 42 26 16-0036	EA	Toe Plate Extension For 21" Diameter Galvanized Corrugated Steel Pipe End Section	59.49	
33 42 26 16-0037	EA	Toe Plate Extension For 24" Diameter Galvanized Corrugated Steel Pipe End Section	66.69	
33 42 26 16-0038	EA	Toe Plate Extension For 30" Diameter Galvanized Corrugated Steel Pipe End Section	118.03	
33 42 26 16-0039	EA	Toe Plate Extension For 36" Diameter Galvanized Corrugated Steel Pipe End Section	126.97	
33 42 26 16-0040	EA	Toe Plate Extension For 42" Diameter Galvanized Corrugated Steel Pipe End Section	175.49	
33 42 26 16-0041	EA	Toe Plate Extension For 48" Diameter Galvanized Corrugated Steel Pipe End Section	187.49	
33 42 26 16-0042	EA	Toe Plate Extension For 54" Diameter Galvanized Corrugated Steel Pipe End Section	229.47	
33 42 26 16-0043	EA	Toe Plate Extension For 60" Diameter Galvanized Corrugated Steel Pipe End Section	234.57	
33 42 26 16-0044	EA	Toe Plate Extension For 66" Diameter Galvanized Corrugated Steel Pipe End Section	249.27	
33 42 26 16-0045	EA	Toe Plate Extension For 72" Diameter Galvanized Corrugated Steel Pipe End Section	280.13	
33 42 26 16-0046	EA	Toe Plate Extension For 78" Diameter Galvanized Corrugated Steel Pipe End Section	313.60	
33 42 26 16-0047	EA	84" Diameter Galvanized Corrugated Steel Pipe End Section Toe Plate Extension.....	320.53	

33 42 26 16-0048 Galvanized Corrugated Steel Pipe-Arch End Sections (33 42 26 16-0001)
33 42 26 16-0049 Type 1 Galvanized Corrugated Steel Pipe-Arch End Sections (33 42 26 16-0048)

Note: Used with annular corrugations, no band required. Consists of a 12 gauge steel strap with a 6" bolt and nut.

33 42 26 16-0050	EA	17" x 13" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	371.82	75.97
33 42 26 16-0051	EA	21" x 15" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	437.99	81.04
33 42 26 16-0052	EA	24" x 18" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	535.25	88.64
33 42 26 16-0053	EA	28" x 20" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	593.92	96.22

33 42 26 16-0054 Type 2 Galvanized Corrugated Steel Pipe-Arch End Sections (33 42 26 16-0048)

Note: Partial circumferential rod with two hinge type lugs used with annular corrugations. No band required.

33 42 26 16-0055	EA	17" x 13" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	358.26	75.97
33 42 26 16-0056	EA	21" x 15" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	412.91	81.04
33 42 26 16-0057	EA	24" x 18" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	463.45	88.64
33 42 26 16-0058	EA	28" x 20" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	525.37	96.22
33 42 26 16-0059	EA	35" x 24" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	785.67	108.89
33 42 26 16-0060	EA	42" x 29" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	1,163.37	130.41
33 42 26 16-0061	EA	49" x 33" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	1,835.75	152.14
33 42 26 16-0062	EA	57" x 38" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	2,334.23	173.88

33 42 26 16-0063 Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Sections (33 42 26 16-0048)

Note: Stubbed with 1' of pipe (excluded in price). Used with all pipe having annular end corrugations.

33 42 26 16-0064	EA	17" x 13" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	365.14	75.97
33 42 26 16-0065	EA	21" x 15" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	427.87	81.04
33 42 26 16-0066	EA	24" x 18" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	486.83	88.64
33 42 26 16-0067	EA	28" x 20" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	553.09	96.22
33 42 26 16-0068	EA	35" x 24" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	832.79	108.89
33 42 26 16-0069	EA	42" x 29" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	1,227.64	130.41
33 42 26 16-0070	EA	49" x 33" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	1,938.56	152.14
33 42 26 16-0071	EA	57" x 38" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	2,452.55	173.88
33 42 26 16-0072	EA	64" x 43" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	2,946.94	217.35
33 42 26 16-0073	EA	71" x 47" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	3,886.11	260.82
33 42 26 16-0074	EA	77" x 52" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	5,410.65	391.22

			Utilities	33	
			Stormwater Utilities	33 40	
			Stormwater Conveyance	33 42	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 42 26 16-0075	EA	83" x 57" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section.....	5,947.58	521.62
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33 42 26 16-0076 Toe Plate Extensions For Galvanized Corrugated Steel Pipe-Arch End Section (33 42 26 16-0048)

33 42 26 16-0077	EA	Toe Plate Extension For 17" x 13" Galvanized Corrugated Steel Pipe-Arch End Section	48.31	
33 42 26 16-0078	EA	Toe Plate Extension For 21" x 15" Galvanized Corrugated Steel Pipe-Arch End Section	54.68	
33 42 26 16-0079	EA	Toe Plate Extension For 24" x 18" Galvanized Corrugated Steel Pipe-Arch End Section	59.49	
33 42 26 16-0080	EA	Toe Plate Extension For 28" x 20" Galvanized Corrugated Steel Pipe-Arch End Section	66.69	
33 42 26 16-0081	EA	Toe Plate Extension For 35" x 24" Galvanized Corrugated Steel Pipe-Arch End Section	118.03	
33 42 26 16-0082	EA	Toe Plate Extension For 42" x 29" Galvanized Corrugated Steel Pipe-Arch End Section	126.97	
33 42 26 16-0083	EA	Toe Plate Extension For 49" x 33" Galvanized Corrugated Steel Pipe-Arch End Section	175.49	
33 42 26 16-0084	EA	Toe Plate Extension For 57" x 38" Galvanized Corrugated Steel Pipe-Arch End Section	195.27	
33 42 26 16-0085	EA	Toe Plate Extension For 64" x 43" Galvanized Corrugated Steel Pipe-Arch End Section	229.47	
33 42 26 16-0086	EA	Toe Plate Extension For 71" x 47" Galvanized Corrugated Steel Pipe-Arch End Section	237.66	
33 42 26 16-0087	EA	Toe Plate Extension For 77" x 52" Galvanized Corrugated Steel Pipe-Arch End Section	274.50	
33 42 26 16-0088	EA	Toe Plate Extension For 83" x 57" Galvanized Corrugated Steel Pipe-Arch End Section	307.90	

33 42 26 16-0089 Corrugated Aluminum Pipe End Sections (33 42 26 16-0001)

33 42 26 16-0090 Corrugated Aluminum Pipe End Sections (33 42 26 16-0089)

33 42 26 16-0091	EA	12" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	500.17	70.90
33 42 26 16-0092	EA	15" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	579.68	75.97
33 42 26 16-0093	EA	18" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	692.37	81.04
33 42 26 16-0094	EA	21" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	865.02	88.64
33 42 26 16-0095	EA	24" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section	1,140.84	96.22
33 42 26 16-0096	EA	30" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section	1,730.84	108.89
33 42 26 16-0097	EA	36" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section	2,365.71	130.41
33 42 26 16-0098	EA	36" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	2,962.97	130.41
33 42 26 16-0099	EA	42" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	3,787.15	152.14
33 42 26 16-0100	EA	48" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	5,429.90	173.88
33 42 26 16-0101	EA	54" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	6,000.57	217.35
33 42 26 16-0102	EA	60" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	8,106.01	260.82
33 42 26 16-0103	EA	66" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	9,127.04	391.22
33 42 26 16-0104	EA	72" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	10,638.91	521.62
33 42 26 16-0105	EA	78" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	11,625.19	559.66
33 42 26 16-0106	EA	84" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	12,262.65	597.70
33 42 26 16-0107	EA	90" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	16,870.37	652.03
33 42 26 16-0108	EA	96" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	18,684.92	706.37

33 42 26 16-0109 Toe Plate Extensions For Corrugated Aluminum Pipe End Section (33 42 26 16-0089)

33 42 26 16-0110	EA	Toe Plate Extension For 12" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section.....	78.32	
33 42 26 16-0111	EA	Toe Plate Extension For 15" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section.....	83.21	
33 42 26 16-0112	EA	Toe Plate Extension For 18" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section.....	90.63	
33 42 26 16-0113	EA	Toe Plate Extension For 21" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section.....	102.37	
33 42 26 16-0114	EA	Toe Plate Extension For 24" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section.....	108.40	
33 42 26 16-0115	EA	Toe Plate Extension For 30" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section.....	139.96	
33 42 26 16-0116	EA	Toe Plate Extension For 36" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section.....	165.88	
33 42 26 16-0117	EA	Toe Plate Extension For 36" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section.....	175.86	
33 42 26 16-0118	EA	Toe Plate Extension For 42" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section.....	192.98	
33 42 26 16-0119	EA	Toe Plate Extension For 48" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section.....	218.17	
33 42 26 16-0120	EA	Toe Plate Extension For 54" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section.....	258.62	
33 42 26 16-0121	EA	Toe Plate Extension For 60" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	368.15	
33 42 26 16-0122	EA	Toe Plate Extension For 66" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	393.91	
33 42 26 16-0123	EA	Toe Plate Extension For 72" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	493.71	
33 42 26 16-0124	EA	Toe Plate Extension For 78" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	533.59	
33 42 26 16-0125	EA	Toe Plate Extension For 84" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	568.30	
33 42 26 16-0126	EA	Toe Plate Extension For 90" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	604.96	
33 42 26 16-0127	EA	Toe Plate Extension For 96" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	641.84	

33 42 26 16-0128 Corrugated Aluminum Pipe-Arch End Sections (33 42 26 16-0001)

33 42 26 16-0129 Corrugated Aluminum Pipe-Arch End Sections (33 42 26 16-0128)

33 42 26 16-0130	EA	17" x 13" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	598.98	75.97
33 42 26 16-0131	EA	21" x 15" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	739.42	81.04
33 42 26 16-0132	EA	24" x 18" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	802.60	88.64
33 42 26 16-0133	EA	28" x 20" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	865.74	96.22
33 42 26 16-0134	EA	35" x 24" 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	1,318.19	108.89
33 42 26 16-0135	EA	42" x 29" 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	2,393.16	130.41
33 42 26 16-0136	EA	42" x 29" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	2,544.59	130.41
33 42 26 16-0137	EA	49" x 33" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	3,413.66	152.14
33 42 26 16-0138	EA	57" x 38" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	5,284.45	173.88
33 42 26 16-0139	EA	64" x 43" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	6,040.06	217.35
33 42 26 16-0140	EA	71" x 47" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	7,304.07	260.82
33 42 26 16-0141	EA	77" x 52" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	12,261.70	391.22
33 42 26 16-0142	EA	83" x 57" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	12,806.82	521.62
33 42 26 16-0143	EA	87" x 63" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	13,949.08	559.66
33 42 26 16-0144	EA	95" x 67" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	14,551.66	597.70
33 42 26 16-0145	EA	103" x 71" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	15,861.11	652.03
33 42 26 16-0146	EA	112" x 75" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	16,794.09	706.37

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 42 26 16-0147	Toe Plate Extensions For Corrugated Aluminum Pipe-Arch End Section (33 42 26 16-0128)		
33 42 26 16-0148	EA	Toe Plate Extension For 17" x 13", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	83.21
33 42 26 16-0149	EA	Toe Plate Extension For 21" x 15", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	90.63
33 42 26 16-0150	EA	Toe Plate Extension For 24" x 18", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	95.39
33 42 26 16-0151	EA	Toe Plate Extension For 28" x 20", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	104.56
33 42 26 16-0152	EA	Toe Plate Extension For 35" x 24", 14 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	118.02
33 42 26 16-0153	EA	Toe Plate Extension For 42" x 29", 14 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	153.27
33 42 26 16-0154	EA	Toe Plate Extension For 42" x 29", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	169.17
33 42 26 16-0155	EA	Toe Plate Extension For 49" x 33", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	192.98
33 42 26 16-0156	EA	Toe Plate Extension For 57" x 38", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	218.17
33 42 26 16-0157	EA	Toe Plate Extension For 64" x 43", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	258.62
33 42 26 16-0158	EA	Toe Plate Extension For 71" x 47", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	332.77
33 42 26 16-0159	EA	Toe Plate Extension For 77" x 52", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	423.52
33 42 26 16-0160	EA	Toe Plate Extension For 83" x 57", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	567.75
33 42 26 16-0161	EA	Toe Plate Extension For 87" x 63", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	646.29
33 42 26 16-0162	EA	Toe Plate Extension For 95" x 67", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	675.80
33 42 26 16-0163	EA	Toe Plate Extension For 103" x 71", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	699.29
33 42 26 16-0164	EA	Toe Plate Extension For 112" x 75", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	728.49
33 42 26 16-0165	Low Slope Corrugated Steel Pipe End Sections And Accessories (33 42 26 16-0001)		
33 42 26 16-0166	4:1 Corrugated Steel Pipe End Sections (33 42 26 16-0165)		
33 42 26 16-0167	EA	15" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	784.38
33 42 26 16-0168	EA	18" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	1,020.49
33 42 26 16-0169	EA	21" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	1,256.05
33 42 26 16-0170	EA	24" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	1,508.68
33 42 26 16-0171	EA	30" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	1,591.79
33 42 26 16-0172	EA	36" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	2,088.12
33 42 26 16-0173	EA	42" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	3,339.05
33 42 26 16-0174	3" Diameter Parallel Safety Bar For 4:1 Corrugated Steel Pipe End Sections (33 42 26 16-0165)		
	Note: Includes nut and bolt set.		
33 42 26 16-0175	EA	3" Diameter Parallel Safety Bar For 15" 4:1 Corrugated Steel Pipe End Section	569.04
33 42 26 16-0176	EA	3" Diameter Parallel Safety Bar For 18" 4:1 Corrugated Steel Pipe End Section	1,163.15
33 42 26 16-0177	EA	3" Diameter Parallel Safety Bar For 21" 4:1 Corrugated Steel Pipe End Section	1,276.52
33 42 26 16-0178	EA	3" Diameter Parallel Safety Bar For 24" 4:1 Corrugated Steel Pipe End Section	1,325.83
33 42 26 16-0179	6:1 Corrugated Steel Pipe End Sections (33 42 26 16-0165)		
33 42 26 16-0180	EA	15" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	823.60
33 42 26 16-0181	EA	18" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	1,091.03
33 42 26 16-0182	EA	21" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	1,463.64
33 42 26 16-0183	EA	24" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	1,724.43
33 42 26 16-0184	EA	30" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	2,049.80
33 42 26 16-0185	EA	36" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	2,492.37
33 42 26 16-0186	EA	42" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	3,844.84
33 42 26 16-0187	3" Diameter Parallel Safety Bar For 6:1 Corrugated Steel Pipe End Sections (33 42 26 16-0165)		
	Note: Includes nut and bolt set.		
33 42 26 16-0188	EA	3" Diameter Parallel Safety Bar For 15" 6:1 Corrugated Steel Pipe End Section	1,124.08
33 42 26 16-0189	EA	3" Diameter Parallel Safety Bar For 18" 6:1 Corrugated Steel Pipe End Section	1,191.00
33 42 26 16-0190	EA	3" Diameter Parallel Safety Bar For 21" 6:1 Corrugated Steel Pipe End Section	1,309.44
33 42 26 16-0191	EA	3" Diameter Parallel Safety Bar For 24" 6:1 Corrugated Steel Pipe End Section	1,371.42
33 42 26 16-0192	Toe Plate Extensions For Low Slope Corrugated Steel Pipe End Section (33 42 26 16-0165)		
33 42 26 16-0193	EA	Toe Plate Extension For 15" Low Slope Corrugated Steel Pipe End Section	93.60
33 42 26 16-0194	EA	Toe Plate Extension For 18" Low Slope Corrugated Steel Pipe End Section	105.70
33 42 26 16-0195	EA	Toe Plate Extension For 21" Low Slope Corrugated Steel Pipe End Section	115.11
33 42 26 16-0196	EA	Toe Plate Extension For 24" Low Slope Corrugated Steel Pipe End Section	128.79
33 42 26 16-0197	EA	Toe Plate Extension For 30" Low Slope Corrugated Steel Pipe End Section	198.77
33 42 26 16-0198	EA	Toe Plate Extension For 36" Low Slope Corrugated Steel Pipe End Section	213.38
33 42 26 16-0199	EA	Toe Plate Extension For 42" Low Slope Corrugated Steel Pipe End Section	289.13
33 42 26 16-0200	Low Slope Corrugated Steel Pipe-Arch End Sections And Accessories (33 42 26 16-0001)		
33 42 26 16-0201	4:1 Corrugated Steel Pipe-Arch End Section (33 42 26 16-0200)		
33 42 26 16-0202	EA	21" x 15" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section.....	937.88
33 42 26 16-0203	EA	24" x 18" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section.....	1,184.89
33 42 26 16-0204	EA	28" x 20" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section.....	1,407.89
33 42 26 16-0205	EA	35" x 24" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section.....	2,698.32
33 42 26 16-0206	3" Diameter Parallel Safety Bar For 4:1 Corrugated Steel Pipe-Arch End Sections (33 42 26 16-0200)		
	Note: Includes nut and bolt set.		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 42 26 16-0207	EA	3" Diameter Parallel Safety Bar For 21" x 15" 4:1 Corrugated Steel Pipe-Arch End Section.....	680.95	
33 42 26 16-0208	EA	3" Diameter Parallel Safety Bar For 24" x 18" 4:1 Corrugated Steel Pipe-Arch End Section.....	1,259.24	
33 42 26 16-0209	EA	3" Diameter Parallel Safety Bar For 28" x 20" 4:1 Corrugated Steel Pipe-Arch End Section.....	1,325.83	
33 42 26 16-0210	EA	3" Diameter Parallel Safety Bar For 35" x 24" 4:1 Corrugated Steel Pipe-Arch End Section.....	1,961.79	

33 42 26 16-0211 Toe Plate Extensions For Low Slope Corrugated Steel Pipe-Arch End Section (33 42 26 16-0200)

33 42 26 16-0212	EA	Toe Plate Extension For 21" x 15" Low Slope Corrugated Steel Pipe-Arch End Section	94.44	
33 42 26 16-0213	EA	Toe Plate Extension For 24" x 18" Low Slope Corrugated Steel Pipe-Arch End Section	107.57	
33 42 26 16-0214	EA	Toe Plate Extension For 28" x 20" Low Slope Corrugated Steel Pipe-Arch End Section	117.30	
33 42 26 16-0215	EA	Toe Plate Extension For 35" x 24" Low Slope Corrugated Steel Pipe-Arch End Section	138.41	

33 42 26 19 Corrugated High-Density Polyethylene (HDPE) End Sections for Stormwater Piping (33 42 26)

33 42 26 19-0001 Corrugated High-Density Polyethylene (HDPE) Pipe End Sections (33 42 26 19)

33 42 26 19-0002	EA	4" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe.....	68.28	20.53
33 42 26 19-0003	EA	6" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	132.33	30.80
33 42 26 19-0004	EA	8" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	181.97	38.49
33 42 26 19-0005	EA	10" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe.....	285.95	61.59
33 42 26 19-0006	EA	12" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe.....	342.24	69.29
33 42 26 19-0007	EA	15" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe.....	362.68	74.43
33 42 26 19-0008	EA	18" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe.....	436.61	82.13
33 42 26 19-0009	EA	24" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe.....	570.08	97.52
33 42 26 19-0010	EA	30" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe.....	1,238.56	110.36
33 42 26 19-0011	EA	36" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe.....	1,518.69	123.19

33 42 26 23 Concrete End Sections for Stormwater Piping (33 42 26)

33 42 26 23-0001 Precast Concrete End Sections (33 42 26 23)

33 42 26 23-0002 Precast Concrete End Sections (33 42 26 23-0001)

33 42 26 23-0003	EA	12" Diameter Pipe, Precast Concrete End Section.....	711.27	118.82
33 42 26 23-0004	EA	15" Diameter Pipe, Precast Concrete End Section.....	954.91	147.08
33 42 26 23-0005	EA	18" Diameter Pipe, Precast Concrete End Section.....	1,182.31	186.18
33 42 26 23-0006	EA	21" Diameter Pipe, Precast Concrete End Section.....	1,356.72	222.64
33 42 26 23-0007	EA	24" Diameter Pipe, Precast Concrete End Section.....	1,441.78	257.69
33 42 26 23-0008	EA	27" Diameter Pipe, Precast Concrete End Section.....	1,816.00	323.84
33 42 26 23-0009	EA	30" Diameter Pipe, Precast Concrete End Section.....	2,251.39	486.42
33 42 26 23-0010	EA	36" Diameter Pipe, Precast Concrete End Section.....	2,779.80	613.78
33 42 26 23-0011	EA	42" Diameter Pipe, Precast Concrete End Section.....	3,363.23	769.94
33 42 26 23-0012	EA	48" Diameter Pipe, Precast Concrete End Section.....	3,686.10	868.29
33 42 26 23-0013	EA	54" Diameter Pipe, Precast Concrete End Section.....	4,020.63	972.62
33 42 26 23-0014	EA	60" Diameter Pipe, Precast Concrete End Section.....	4,363.62	1,081.29
33 42 26 23-0015	EA	66" Diameter Pipe Precast Concrete End Section.....	4,340.70	863.52
33 42 26 23-0016	EA	72" Diameter Pipe Precast Concrete End Section.....	4,970.98	1,079.38
33 42 26 23-0017	EA	78" Diameter Pipe Precast Concrete End Section.....	5,909.81	1,349.23
33 42 26 23-0018	EA	84" Diameter Pipe Precast Concrete End Section.....	6,992.70	1,619.08

33 42 26 23-0019 Flared Precast Concrete End Sections (33 42 26 23-0001)

33 42 26 23-0020	EA	12" Diameter Pipe, Flared Precast Concrete End Section.....	895.65	126.60
33 42 26 23-0021	EA	15" Diameter Pipe, Flared Precast Concrete End Section.....	1,078.59	157.79
33 42 26 23-0022	EA	18" Diameter Pipe, Flared Precast Concrete End Section.....	1,309.48	199.74
33 42 26 23-0023	EA	21" Diameter Pipe, Flared Precast Concrete End Section.....	1,496.34	238.86
33 42 26 23-0024	EA	24" Diameter Pipe, Flared Precast Concrete End Section.....	1,825.82	276.46
33 42 26 23-0025	EA	27" Diameter Pipe, Flared Precast Concrete End Section.....	2,202.30	441.54
33 42 26 23-0026	EA	30" Diameter Pipe, Flared Precast Concrete End Section.....	2,291.90	607.91
33 42 26 23-0027	EA	36" Diameter Pipe, Flared Precast Concrete End Section.....	3,096.39	767.22
33 42 26 23-0028	EA	42" Diameter Pipe, Flared Precast Concrete End Section.....	3,715.80	962.62
33 42 26 23-0029	EA	48" Diameter Pipe, Flared Precast Concrete End Section.....	4,020.85	1,085.63
33 42 26 23-0030	EA	54" Diameter Pipe, Flared Precast Concrete End Section.....	4,497.38	1,215.93
33 42 26 23-0031	EA	60" Diameter Pipe, Flared Precast Concrete End Section.....	4,982.89	1,350.57
33 42 26 23-0032	EA	66" Diameter Pipe, Flared Precast Concrete End Section.....	5,811.87	1,556.07
33 42 26 23-0033	EA	72" Diameter Pipe, Flared Precast Concrete End Section.....	6,778.49	1,736.79
33 42 26 23-0034	EA	78" Diameter Pipe, Flared Precast Concrete End Section.....	7,686.51	1,953.81
33 42 26 23-0035	EA	84" Diameter Pipe, Flared Precast Concrete End Section.....	8,866.46	2,170.61

33 42 26 23-0036 Elliptical Precast Concrete End Sections (33 42 26 23-0001)

33 42 26 23-0037	EA	14" x 23" Elliptical Precast Concrete End Section	1,561.87	199.74
33 42 26 23-0038	EA	18" x 24" Elliptical Precast Concrete End Section	1,780.78	238.86
33 42 26 23-0039	EA	19" x 30" Elliptical Precast Concrete End Section	2,178.50	276.46
33 42 26 23-0040	EA	22" x 34" Elliptical Precast Concrete End Section	2,587.15	441.54
33 42 26 23-0041	EA	24" x 38" Elliptical Precast Concrete End Section	2,636.65	607.91
33 42 26 23-0042	EA	27" x 42" Elliptical Precast Concrete End Section	3,109.59	687.89
33 42 26 23-0043	EA	29" x 45" Elliptical Precast Concrete End Section	3,582.52	767.22
33 42 26 23-0044	EA	34" x 53" Elliptical Precast Concrete End Section	4,283.47	962.62
33 42 26 23-0045	EA	38" x 60" Elliptical Precast Concrete End Section	4,618.57	1,085.63
33 42 26 23-0046	EA	43" x 68" Elliptical Precast Concrete End Section	5,165.34	1,215.93
33 42 26 23-0047	EA	48" x 76" Elliptical Precast Concrete End Section	5,721.47	1,350.57

33	33	Utilities
	33 40	Stormwater Utilities
	33 42	Stormwater Conveyance

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 42 31 Stormwater Area Drains and Inlets (33 42)

33 42 31 00-0001			Storm Drains (33 42 31)		
33 42 31 00-0002			Catch Basins And Inlet Basins (33 42 31 00-0001)		
			Note: Includes base slab, opening and grout. Excludes frame, grate, excavation and backfill.		
33 42 31 00-0003			Cast In Place, Grate Drop Inlet Basins (33 42 31 00-0002)		
			Note: Inside dimensions.		
33 42 31 00-0004			3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basins (33 42 31 00-0003)		
33 42 31 00-0005	EA		2' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	1,805.64	349.98
33 42 31 00-0006	EA		3' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,151.20	410.07
33 42 31 00-0007	EA		4' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,496.77	470.05
33 42 31 00-0008	EA		5' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,842.33	530.13
33 42 31 00-0009	EA		6' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	3,187.90	590.12
33 42 31 00-0010			3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basins (33 42 31 00-0003)		
33 42 31 00-0011	EA		2' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,262.25	347.87
33 42 31 00-0012	EA		3' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,813.65	463.83
33 42 31 00-0013	EA		4' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	3,614.98	632.49
33 42 31 00-0014	EA		5' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	4,385.82	737.91
33 42 31 00-0015	EA		6' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	5,021.08	843.32
33 42 31 00-0016			4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basins (33 42 31 00-0003)		
33 42 31 00-0017	EA		2' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,428.17	379.49
33 42 31 00-0018	EA		3' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	3,361.09	527.08
33 42 31 00-0019	EA		4' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	4,132.72	685.21
33 42 31 00-0020	EA		5' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	4,773.19	790.62
33 42 31 00-0021	EA		6' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	6,060.06	1,011.99
33 42 31 00-0022			Cast In Place, Catch Basin (33 42 31 00-0002)		
			Note: Inside span, overall depth. Includes concrete, forms, rebar (where required), finish and curing.		
33 42 31 00-0023			3' x 3', Cast In Place, Catch Basins (33 42 31 00-0022)		
33 42 31 00-0024	EA		3' Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	2,300.33	423.14
33 42 31 00-0025	EA		3'-6" Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	2,439.94	449.91
33 42 31 00-0026	EA		4' Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	2,672.72	483.23
33 42 31 00-0027	EA		4'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	2,993.92	534.88
33 42 31 00-0028	EA		5' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	3,234.87	569.36
33 42 31 00-0029	EA		5'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	3,387.39	597.08
33 42 31 00-0030	EA		6' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	3,628.53	631.54
33 42 31 00-0031	EA		6'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	3,777.11	659.38
33 42 31 00-0032	EA		7' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	4,020.53	693.74
33 42 31 00-0033	EA		7'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	4,170.78	721.58
33 42 31 00-0034	EA		8' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	4,411.81	756.04
33 42 31 00-0035	VLF		>8' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	551.50	94.45
33 42 31 00-0036			3' x 6', Cast In Place, Catch Basins (33 42 31 00-0022)		
33 42 31 00-0037	EA		6' Deep, 3' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	4,865.91	865.57
33 42 31 00-0038	EA		7' Deep, 3' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	5,393.46	953.90
33 42 31 00-0039	EA		8' Deep, 3' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	5,918.73	1,042.25
33 42 31 00-0040	EA		9' Deep, 3' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	6,438.42	1,130.69
33 42 31 00-0041	EA		10' Deep, 3' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	6,972.99	1,219.02
33 42 31 00-0042			3'-6" x 3'-6", Cast In Place, Catch Basins (33 42 31 00-0022)		
33 42 31 00-0043	EA		3' Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin	2,646.10	489.12
33 42 31 00-0044	EA		3'-6" Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin	2,823.34	523.49
33 42 31 00-0045	EA		4' Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin	3,065.12	557.97
33 42 31 00-0046	EA		4'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,440.52	617.95
33 42 31 00-0047	EA		5' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,704.58	656.95
33 42 31 00-0048	EA		5'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,880.01	689.31
33 42 31 00-0049	EA		6' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,147.79	728.32
33 42 31 00-0050	EA		6'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,323.24	760.68
33 42 31 00-0051	EA		7' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,589.45	799.68
33 42 31 00-0052	EA		7'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,764.17	832.05
33 42 31 00-0053	EA		8' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,030.50	871.05
33 42 31 00-0054	VLF		>8' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	628.83	108.89
33 42 31 00-0055			4' x 4', Cast In Place, Catch Basins (33 42 31 00-0022)		
33 42 31 00-0056	EA		3' Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin	3,016.63	559.55
33 42 31 00-0057	EA		3'-6" Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin	3,202.88	595.07
33 42 31 00-0058	EA		4' Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin	3,480.01	637.14
33 42 31 00-0059	EA		4'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	3,910.25	705.55
33 42 31 00-0060	EA		5' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	4,201.05	749.08
33 42 31 00-0061	EA		5'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	4,400.85	786.09
33 42 31 00-0062	EA		6' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	4,691.65	829.62
33 42 31 00-0063	EA		6'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	4,892.17	866.62

			Utilities	33	CS
			Stormwater Utilities	33 40	
			Stormwater Conveyance	33 42	
MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
			UNIT COST	UNIT COST	
33 42 31 00-0064	EA	7' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	5,182.97	910.16	
33 42 31 00-0065	EA	7'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	5,382.77	947.16	
33 42 31 00-0066	EA	8' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	5,673.57	990.80	
33 42 31 00-0067	VLF	>8' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	709.15	123.86	
33 42 31 00-0068 4'-6" x 4'-6", Cast In Place, Catch Basins (33 42 31 00-0022)					
33 42 31 00-0069	EA	3' Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin	3,499.66	648.84	
33 42 31 00-0070	EA	3'-6" Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin	3,718.71	685.52	
33 42 31 00-0071	EA	4' Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin	4,027.20	732.95	
33 42 31 00-0072	EA	4'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,518.03	810.76	
33 42 31 00-0073	EA	5' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,842.38	859.88	
33 42 31 00-0074	EA	5'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,075.83	902.36	
33 42 31 00-0075	EA	6' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,399.45	951.48	
33 42 31 00-0076	EA	6'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,632.90	994.07	
33 42 31 00-0077	EA	7' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,957.25	1,043.20	
33 42 31 00-0078	EA	7'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,188.42	1,085.67	
33 42 31 00-0079	EA	8' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,514.31	1,134.80	
33 42 31 00-0080	VLF	>8' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	814.34	141.89	
33 42 31 00-0081 5' x 5', Cast In Place, Catch Basins (33 42 31 00-0022)					
33 42 31 00-0082	EA	4' Deep, 5' x 5' x 6" Thick Wall, Cast In Place, Catch Basin	4,507.61	822.98	
33 42 31 00-0083	EA	4'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	5,054.43	909.43	
33 42 31 00-0084	EA	5' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	5,405.94	963.29	
33 42 31 00-0085	EA	5'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	5,684.28	1,010.51	
33 42 31 00-0086	EA	6' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	6,011.96	1,064.27	
33 42 31 00-0087	EA	6'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	6,272.58	1,111.50	
33 42 31 00-0088	EA	7' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	6,621.81	1,165.37	
33 42 31 00-0089	EA	7'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	6,878.60	1,212.60	
33 42 31 00-0090	EA	8' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	7,230.11	1,266.35	
33 42 31 00-0091	VLF	>8' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	1,299.08	158.34	
33 42 31 00-0092 5'-6" x 5'-6", Cast In Place, Catch Basins (33 42 31 00-0022)					
33 42 31 00-0093	EA	4' Deep, 5'-6" x 5'-6" x 6" Thick Wall, Cast In Place, Catch Basin	5,011.77	917.75	
33 42 31 00-0094	EA	4'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,841.13	1,038.88	
33 42 31 00-0095	EA	5' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,232.15	1,098.75	
33 42 31 00-0096	EA	5'-6" Deep, 5'-6" x 5' x 8" Thick Wall, Cast In Place, Catch Basin	6,530.00	1,152.40	
33 42 31 00-0097	EA	6' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,922.58	1,212.70	
33 42 31 00-0098	EA	6'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	7,222.71	1,266.35	
33 42 31 00-0099	EA	7' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	7,613.74	1,326.65	
33 42 31 00-0100	EA	7'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	7,911.59	1,380.31	
33 42 31 00-0101	EA	8' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	8,302.62	1,440.61	
33 42 31 00-0102	VLF	>8' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	1,037.82	180.05	
33 42 31 00-0103 6' x 6', Cast In Place, Catch Basins (33 42 31 00-0022)					
33 42 31 00-0104	EA	4' Deep, 6' x 6' x 6" Thick Wall, Cast In Place, Catch Basin	5,542.69	1,016.94	
33 42 31 00-0105	EA	4'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	6,457.17	1,149.88	
33 42 31 00-0106	EA	5' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	6,875.98	1,215.02	
33 42 31 00-0107	EA	5'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	7,202.36	1,273.52	
33 42 31 00-0108	EA	6' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	7,618.92	1,338.68	
33 42 31 00-0109	EA	6'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	7,946.85	1,397.18	
33 42 31 00-0110	EA	7' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	8,364.11	1,462.33	
33 42 31 00-0111	EA	7'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	8,689.76	1,520.83	
33 42 31 00-0112	EA	8' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	9,108.59	1,585.97	
33 42 31 00-0113	VLF	>8' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	1,138.62	198.29	
33 42 31 00-0114 6'-6" x 6'-6", Cast In Place, Catch Basins (33 42 31 00-0022)					
33 42 31 00-0115	EA	4' Deep, 6'-6" x 6'-6" x 6" Thick Wall, Cast In Place, Catch Basin	6,096.50	1,120.88	
33 42 31 00-0116	EA	4'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	7,385.70	1,298.62	
33 42 31 00-0117	EA	5' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	7,848.32	1,370.72	
33 42 31 00-0118	EA	5'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	8,219.94	1,436.18	
33 42 31 00-0119	EA	6' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	8,682.56	1,508.18	
33 42 31 00-0120	EA	6'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	9,054.18	1,573.75	
33 42 31 00-0121	EA	7' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	9,516.79	1,645.75	
33 42 31 00-0122	EA	7'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	9,888.42	1,711.21	
33 42 31 00-0123	EA	8' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	10,352.58	1,783.32	
33 42 31 00-0124	VLF	>8' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	1,294.02	222.95	
33 42 31 00-0125 7' x 7', Cast In Place, Catch Basins (33 42 31 00-0022)					
33 42 31 00-0126	EA	4' Deep, 7' x 7' x 6" Thick Wall, Cast In Place, Catch Basin	6,675.73	1,229.36	
33 42 31 00-0127	EA	4'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	8,088.46	1,423.33	
33 42 31 00-0128	EA	5' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	8,579.49	1,500.48	
33 42 31 00-0129	EA	5'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	8,978.10	1,570.91	
33 42 31 00-0130	EA	6' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	9,471.33	1,647.96	
33 42 31 00-0131	EA	6'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	9,869.94	1,718.48	
33 42 31 00-0132	EA	7' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	10,360.99	1,795.55	
33 42 31 00-0133	EA	7'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	10,761.87	1,866.07	
33 42 31 00-0134	EA	8' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	11,252.82	1,943.13	
33 42 31 00-0135	VLF	>8' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	1,406.65	242.88	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 42 31 00-0136		7'-6" x 7'-6", Cast In Place, Catch Basins (33 42 31 00-0022)	
33 42 31 00-0137	EA	4' Deep, 7'-6" x 7'-6" x 6" Thick Wall, Cast In Place, Catch Basin.....	7,606.42 1,379.79
33 42 31 00-0138	EA	4'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	8,819.74 1,553.09
33 42 31 00-0139	EA	5' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	9,337.67 1,635.21
33 42 31 00-0140	EA	5'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	9,766.99 1,710.69
33 42 31 00-0141	EA	6' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	10,287.09 1,792.81
33 42 31 00-0142	EA	6'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	10,716.41 1,868.29
33 42 31 00-0143	EA	7' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	11,234.34 1,950.40
33 42 31 00-0144	EA	7'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	11,663.65 2,025.88
33 42 31 00-0145	EA	8' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	12,183.86 2,108.00
33 42 31 00-0146	VLF	>8' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	1,522.95 263.54
33 42 31 00-0147		8' x 8', Cast In Place, Catch Basins (33 42 31 00-0022)	
33 42 31 00-0148	EA	4' Deep, 8' x 8' x 6" Thick Wall, Cast In Place, Catch Basin.....	8,267.06 1,501.22
33 42 31 00-0149	EA	4'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin.....	9,577.80 1,687.92
33 42 31 00-0150	EA	5' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin.....	10,124.99 1,774.99
33 42 31 00-0151	EA	5'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin.....	10,582.75 1,855.52
33 42 31 00-0152	EA	6' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin.....	11,129.83 1,942.60
33 42 31 00-0153	EA	6'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin.....	11,583.02 2,023.13
33 42 31 00-0154	EA	7' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin.....	12,134.66 2,110.21
33 42 31 00-0155	EA	7'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin.....	12,592.41 2,190.75
33 42 31 00-0156	EA	8' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin.....	13,130.14 2,277.83
33 42 31 00-0157	VLF	>8' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin.....	1,642.44 284.73
33 42 31 00-0158		Precast Concrete Catch Basins (33 42 31 00-0002)	
Note: Inside dimensions.			
33 42 31 00-0159		1'-6" Diameter Precast Catch Basins (33 42 31 00-0158)	
33 42 31 00-0160	EA	4' Deep, 1'-6" Diameter Precast Catch Basins.....	680.53 221.87
33 42 31 00-0161	EA	6' Deep, 1'-6" Diameter Precast Catch Basins.....	952.20 332.80
33 42 31 00-0162	EA	8' Deep, 1'-6" Diameter Precast Catch Basins.....	1,211.36 432.64
33 42 31 00-0163	EA	10' Deep, 1'-6" Diameter Precast Catch Basins.....	1,448.23 511.41
33 42 31 00-0164	EA	12' Deep, 1'-6" Diameter Precast Catch Basins.....	1,788.24 648.96
33 42 31 00-0165	EA	14' Deep, 1'-6" Diameter Precast Catch Basins.....	2,047.38 748.80
33 42 31 00-0166	VLF	Vertical Linear Foot Over 14' Deep, 1'-6" Diameter Precast Catch Basins.....	143.04 49.92
33 42 31 00-0167		2' Diameter Precast Catch Basins (33 42 31 00-0158)	
33 42 31 00-0168	EA	4' Deep, 2' Diameter Precast Catch Basin.....	774.02 246.83
33 42 31 00-0169	EA	6' Deep, 2' Diameter Precast Catch Basin.....	1,077.19 366.09
33 42 31 00-0170	EA	8' Deep, 2' Diameter Precast Catch Basin.....	1,364.84 482.56
33 42 31 00-0171	EA	10' Deep, 2' Diameter Precast Catch Basin.....	1,626.18 562.99
33 42 31 00-0172	EA	12' Deep, 2' Diameter Precast Catch Basin.....	2,020.83 721.07
33 42 31 00-0173	EA	14' Deep, 2' Diameter Precast Catch Basin.....	2,310.71 832.00
33 42 31 00-0174	VLF	Vertical Linear Foot Over 14' Deep, 2' Diameter Precast Catch Basin.....	161.51 59.90
33 42 31 00-0175		3' Diameter Precast Catch Basins (33 42 31 00-0158)	
33 42 31 00-0176	EA	4' Deep, 3' Diameter Precast Catch Basin.....	1,012.40 291.20
33 42 31 00-0177	EA	6' Deep, 3' Diameter Precast Catch Basin.....	1,390.30 430.42
33 42 31 00-0178	EA	8' Deep, 3' Diameter Precast Catch Basin.....	1,754.03 568.53
33 42 31 00-0179	EA	10' Deep, 3' Diameter Precast Catch Basin.....	2,184.39 709.98
33 42 31 00-0180	EA	12' Deep, 3' Diameter Precast Catch Basin.....	2,582.94 846.43
33 42 31 00-0181	EA	14' Deep, 3' Diameter Precast Catch Basin.....	2,968.99 985.09
33 42 31 00-0182	VLF	Vertical Linear Foot Over 14' Deep, 3' Diameter Precast Catch Basin.....	204.93 70.36
33 42 31 00-0183		4' Diameter Precast Catch Basins (33 42 31 00-0158)	
33 42 31 00-0184	EA	4' Deep, 4' Diameter Precast Catch Basin.....	1,217.38 323.92
33 42 31 00-0185	EA	6' Deep, 4' Diameter Precast Catch Basin.....	1,589.13 443.73
33 42 31 00-0186	EA	8' Deep, 4' Diameter Precast Catch Basin.....	2,146.44 665.60
33 42 31 00-0187	EA	10' Deep, 4' Diameter Precast Catch Basin.....	2,678.64 832.00
33 42 31 00-0188	EA	12' Deep, 4' Diameter Precast Catch Basin.....	3,170.01 998.40
33 42 31 00-0189	EA	14' Deep, 4' Diameter Precast Catch Basin.....	3,647.80 1,164.81
33 42 31 00-0190	VLF	Vertical Linear Foot Over 14' Deep, 4' Diameter Precast Catch Basin.....	251.19 83.20
33 42 31 00-0191		5' Diameter Precast Catch Basins (33 42 31 00-0158)	
33 42 31 00-0192	EA	4' Deep, 5' Diameter Precast Catch Basin.....	1,640.86 443.73
33 42 31 00-0193	EA	6' Deep, 5' Diameter Precast Catch Basin.....	2,261.38 665.60
33 42 31 00-0194	EA	8' Deep, 5' Diameter Precast Catch Basin.....	2,885.17 887.47
33 42 31 00-0195	EA	10' Deep, 5' Diameter Precast Catch Basin.....	3,533.64 1,109.34
33 42 31 00-0196	EA	12' Deep, 5' Diameter Precast Catch Basin.....	4,173.90 1,331.21
33 42 31 00-0197	EA	14' Deep, 5' Diameter Precast Catch Basin.....	4,860.85 1,553.07
33 42 31 00-0198	VLF	Vertical Linear Foot Over 14' Deep, 5' Diameter Precast Catch Basin.....	334.28 110.93
33 42 31 00-0199		6' Diameter Precast Catch Basins (33 42 31 00-0158)	
33 42 31 00-0200	EA	4' Deep, 6' Diameter Precast Catch Basin.....	2,405.05 665.60
33 42 31 00-0201	EA	6' Deep, 6' Diameter Precast Catch Basin.....	3,284.95 998.40

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0202	EA	8' Deep, 6' Diameter Precast Catch Basin.....	4,222.28	1,331.21
33 42 31 00-0203	EA	10' Deep, 6' Diameter Precast Catch Basin.....	5,263.48	1,664.01
33 42 31 00-0204	EA	12' Deep, 6' Diameter Precast Catch Basin.....	6,275.94	1,996.81
33 42 31 00-0205	EA	14' Deep, 6' Diameter Precast Catch Basin.....	7,268.35	2,329.61
33 42 31 00-0206	VLF	Vertical Linear Foot Over 14' Deep, 6' Diameter Precast Catch Basin.....	498.54	166.40
33 42 31 00-0207 Precast Catch Basins Accessories (33 42 31 00-0158)				
33 42 31 00-0208	EA	Single Or Double Wing Slab Top With Throat.....	1,534.50	721.07
33 42 31 00-0209	EA	4' x 4' Weir Box, Precast Catch Basin.....	642.07	88.74
33 42 31 00-0210	EA	4' Diameter Inlet Round To Square Adapter, Precast Catch Basin.....	372.90	94.30
33 42 31 00-0211	EA	3' Diameter, Up To 6" High, Precast Extension Ring.....	469.98	138.67
		<i>For Each Additional Inch In Height, Add</i>	<i>55.20</i>	
33 42 31 00-0212	EA	4' Diameter, Up To 6" High, Precast Extension Ring.....	555.11	166.40
		<i>For Each Additional Inch In Height, Add</i>	<i>64.76</i>	
33 42 31 00-0213	EA	5' Diameter, Up To 6" High, Precast Extension Ring.....	647.40	194.13
		<i>For Each Additional Inch In Height, Add</i>	<i>75.58</i>	
33 42 31 00-0214	EA	6' Diameter, Up To 6" High, Precast Extension Ring.....	819.43	277.33
		<i>For Each Additional Inch In Height, Add</i>	<i>90.39</i>	
33 42 31 00-0215	EA	Adjust Existing Catch Basin Inlet Grate To Match Grade.....	665.56	
33 42 31 00-0216 Catch Basin Risers (33 42 31 00-0158)				
33 42 31 00-0217	EA	Up To 860 Square Inch, Up To 2" Rise, Catch Basin Riser.....	420.82	
33 42 31 00-0218	EA	>860 To 1140 Square Inch, Up To 2" Rise, Catch Basin Riser.....	470.63	
33 42 31 00-0219	EA	>1140 Square Inch, Up To 2" Rise, Catch Basin Riser.....	529.86	
33 42 31 00-0220	EA	Up To 860 Square Inch, >2" To 3" Rise, Catch Basin Riser.....	453.14	
33 42 31 00-0221	EA	>860 To 1140 Square Inch, >2" To 3" Rise, Catch Basin Riser.....	506.29	
33 42 31 00-0222	EA	>1140 Square Inch, >2" To 3" Rise, Catch Basin Riser.....	571.94	
33 42 31 00-0223	EA	Up To 860 Square Inch, >3" To 4" Rise, Catch Basin Riser.....	501.66	
33 42 31 00-0224	EA	>860 To 1140 Square Inch, >3" To 4" Rise, Catch Basin Riser.....	548.82	
33 42 31 00-0225	EA	>1140 Square Inch, >3" To 4" Rise, Catch Basin Riser.....	614.70	
33 42 31 00-0226 Cast In Place, Storm Drain Cleanout (33 42 31 00-0002)				
		Note: Inside span.		
33 42 31 00-0227	EA	6' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout.....	4,823.94	834.69
33 42 31 00-0228	EA	6' Deep, 4' x 5' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout.....	5,516.43	952.54
33 42 31 00-0229	EA	6' Deep, 4' x 6' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout.....	6,303.89	1,081.04
33 42 31 00-0230	EA	7' Deep, 4' x 7' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout.....	7,560.25	1,296.83
33 42 31 00-0231	EA	8' Deep, 4' x 8' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout.....	9,220.35	1,565.64
33 42 31 00-0232 Precast Concrete Inlet Boxes (33 42 31 00-0002)				
		Note: Inside dimensions.		
33 42 31 00-0233 Precast Concrete Inlet Boxes (33 42 31 00-0232)				
33 42 31 00-0234 24" x 24" ID, Precast Concrete Inlet Boxes (33 42 31 00-0233)				
		Note: Yard inlet.		
33 42 31 00-0235 24" x 24" ID, Precast Concrete Inlet Boxes (33 42 31 00-0234)				
33 42 31 00-0236	EA	24" Height, 24" x 24" ID, Precast Concrete Inlet Box.....	856.89	77.66
33 42 31 00-0237	EA	30" Height, 24" x 24" ID, Precast Concrete Inlet Box.....	1,007.11	94.30
33 42 31 00-0238	EA	36" Height, 24" x 24" ID, Precast Concrete Inlet Box.....	1,157.32	110.93
33 42 31 00-0239	EA	42" Height, 24" x 24" ID, Precast Concrete Inlet Box.....	1,308.92	128.27
33 42 31 00-0240 24" x 24" ID, Precast Concrete Inlet Box Risers (33 42 31 00-0234)				
33 42 31 00-0241	EA	6" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser.....	211.23	
33 42 31 00-0242	EA	12" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser.....	344.79	
33 42 31 00-0243	EA	18" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser.....	489.46	
33 42 31 00-0244	EA	24" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser.....	634.13	
33 42 31 00-0245	EA	30" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser.....	778.79	
33 42 31 00-0246	EA	36" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser.....	923.46	
33 42 31 00-0247 22" x 48" ID, Precast Concrete Inlet Boxes (33 42 31 00-0233)				
33 42 31 00-0248 22" x 48" ID, Precast Concrete Inlet Boxes (33 42 31 00-0247)				
33 42 31 00-0249	EA	36" Height, 22" x 48" ID, Precast Concrete Inlet Box.....	1,749.49	217.35
33 42 31 00-0250	EA	42" Height, 22" x 48" ID, Precast Concrete Inlet Box.....	1,967.26	251.30
33 42 31 00-0251	EA	48" Height, 22" x 48" ID, Precast Concrete Inlet Box.....	2,185.03	285.27
33 42 31 00-0252	EA	54" Height, 22" x 48" ID, Precast Concrete Inlet Box.....	2,402.96	319.31
33 42 31 00-0253	EA	60" Height, 22" x 48" ID, Precast Concrete Inlet Box.....	2,620.89	353.35
33 42 31 00-0254	EA	66" Height, 22" x 48" ID, Precast Concrete Inlet Box.....	2,838.82	387.39
33 42 31 00-0255	EA	72" Height, 22" x 48" ID, Precast Concrete Inlet Box.....	3,056.75	421.42
33 42 31 00-0256 22" x 48" ID, Precast Concrete Inlet Box Risers (33 42 31 00-0247)				
33 42 31 00-0257	EA	6" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser.....	413.34	
33 42 31 00-0258	EA	12" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser.....	671.37	
33 42 31 00-0259	EA	18" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser.....	726.87	
33 42 31 00-0260	EA	24" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser.....	932.19	
33 42 31 00-0261	EA	30" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser.....	1,137.51	
33 42 31 00-0262	EA	36" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser.....	1,333.78	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 42 31 00-0263	EA	42" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser.....	1,551.55	
33 42 31 00-0264	EA	48" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser.....	1,769.31	
33 42 31 00-0265	EA	54" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser.....	1,987.24	
33 42 31 00-0266	EA	60" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser.....	2,205.17	
33 42 31 00-0267	EA	66" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser.....	2,423.11	
33 42 31 00-0268	EA	72" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser.....	2,641.04	

33 42 31 00-0269 30" x 48" ID, Precast Concrete Inlet Boxes (33 42 31 00-0233)**33 42 31 00-0270 30" x 48" ID, Precast Concrete Inlet Boxes (33 42 31 00-0269)**

33 42 31 00-0271	EA	36" Height, 30" x 48" ID, Precast Concrete Inlet Box.....	1,683.47	239.08
33 42 31 00-0272	EA	42" Height, 30" x 48" ID, Precast Concrete Inlet Box.....	1,901.22	276.43
33 42 31 00-0273	EA	48" Height, 30" x 48" ID, Precast Concrete Inlet Box.....	2,118.96	313.79
33 42 31 00-0274	EA	54" Height, 30" x 48" ID, Precast Concrete Inlet Box.....	2,336.88	351.23
33 42 31 00-0275	EA	60" Height, 30" x 48" ID, Precast Concrete Inlet Box.....	2,554.80	388.68
33 42 31 00-0276	EA	66" Height, 30" x 48" ID, Precast Concrete Inlet Box.....	2,772.72	426.13
33 42 31 00-0277	EA	72" Height, 30" x 48" ID, Precast Concrete Inlet Box.....	2,990.65	463.57

33 42 31 00-0278 30" x 48" ID, Precast Concrete Inlet Box Risers (33 42 31 00-0269)

33 42 31 00-0279	EA	6" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser.....	409.06	
33 42 31 00-0280	EA	12" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser.....	657.28	
33 42 31 00-0281	EA	18" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser.....	713.81	
33 42 31 00-0282	EA	24" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser.....	914.43	
33 42 31 00-0283	EA	30" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser.....	1,115.06	
33 42 31 00-0284	EA	36" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser.....	1,314.60	
33 42 31 00-0285	EA	42" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser.....	1,529.35	
33 42 31 00-0286	EA	48" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser.....	1,743.02	
33 42 31 00-0287	EA	54" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser.....	1,957.78	
33 42 31 00-0288	EA	60" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser.....	2,171.44	
33 42 31 00-0289	EA	66" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser.....	2,386.20	
33 42 31 00-0290	EA	72" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser.....	2,600.95	

33 42 31 00-0291 42" x 48" ID, Precast Concrete Inlet Boxes (33 42 31 00-0233)**33 42 31 00-0292 42" x 48" ID, Precast Concrete Inlet Boxes (33 42 31 00-0291)**

33 42 31 00-0293	EA	36" Height, 42" x 48" ID, Precast Concrete Inlet Box.....	2,005.16	260.82
33 42 31 00-0294	EA	42" Height, 42" x 48" ID, Precast Concrete Inlet Box.....	2,261.03	303.19
33 42 31 00-0295	EA	48" Height, 42" x 48" ID, Precast Concrete Inlet Box.....	2,516.87	346.66
33 42 31 00-0296	EA	54" Height, 42" x 48" ID, Precast Concrete Inlet Box.....	2,771.64	389.05
33 42 31 00-0297	EA	60" Height, 42" x 48" ID, Precast Concrete Inlet Box.....	3,027.49	432.52
33 42 31 00-0298	EA	66" Height, 42" x 48" ID, Precast Concrete Inlet Box.....	3,283.34	474.89
33 42 31 00-0299	EA	72" Height, 42" x 48" ID, Precast Concrete Inlet Box.....	3,538.10	517.28

33 42 31 00-0300 42" x 48" ID, Precast Concrete Inlet Box Risers (33 42 31 00-0291)

33 42 31 00-0301	EA	6" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	452.79	
33 42 31 00-0302	EA	12" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	742.56	
33 42 31 00-0303	EA	18" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	800.70	
33 42 31 00-0304	EA	24" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	1,028.85	
33 42 31 00-0305	EA	30" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	1,256.99	
33 42 31 00-0306	EA	36" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	1,485.12	
33 42 31 00-0307	EA	42" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	1,727.93	
33 42 31 00-0308	EA	48" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	1,970.74	
33 42 31 00-0309	EA	54" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	2,213.55	
33 42 31 00-0310	EA	60" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	2,456.36	
33 42 31 00-0311	EA	66" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	2,699.18	
33 42 31 00-0312	EA	72" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	2,941.99	

33 42 31 00-0313 42" x 48" ID, Precast Concrete Inlet Box Tops (33 42 31 00-0291)

33 42 31 00-0314	EA	42" x 48" ID, Precast Concrete Inlet Box Top Slab.....	1,135.65	163.00
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33 42 31 00-0315 48" x 54" ID, Precast Concrete Inlet Boxes (33 42 31 00-0233)**33 42 31 00-0316 48" x 54" ID, Precast Concrete Inlet Boxes (33 42 31 00-0315)**

33 42 31 00-0317	EA	36" Height, 48" x 54" ID, Precast Concrete Inlet Box.....	2,854.90	289.79
33 42 31 00-0318	EA	42" Height, 48" x 54" ID, Precast Concrete Inlet Box.....	3,198.05	337.42
33 42 31 00-0319	EA	48" Height, 48" x 54" ID, Precast Concrete Inlet Box.....	3,541.23	385.05
33 42 31 00-0320	EA	54" Height, 48" x 54" ID, Precast Concrete Inlet Box.....	3,884.04	432.52
33 42 31 00-0321	EA	60" Height, 48" x 54" ID, Precast Concrete Inlet Box.....	4,226.85	479.97
33 42 31 00-0322	EA	66" Height, 48" x 54" ID, Precast Concrete Inlet Box.....	4,569.66	527.44
33 42 31 00-0323	EA	72" Height, 48" x 54" ID, Precast Concrete Inlet Box.....	4,912.47	574.89

33 42 31 00-0324 48" x 54" ID, Precast Concrete Inlet Box Risers (33 42 31 00-0315)

33 42 31 00-0325	EA	6" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser.....	454.36	
33 42 31 00-0326	EA	12" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser.....	731.25	
33 42 31 00-0327	EA	18" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser.....	1,069.70	
33 42 31 00-0328	EA	24" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser.....	1,408.16	
33 42 31 00-0329	EA	30" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser.....	1,728.49	
33 42 31 00-0330	EA	36" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser.....	2,066.94	

			Utilities	33	CS
			Stormwater Utilities	33 40	
			Stormwater Conveyance	33 42	
MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
			UNIT COST	UNIT COST	
33 42 31 00-0331	EA	42" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	2,410.10		
33 42 31 00-0332	EA	48" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	2,753.27		
33 42 31 00-0333	EA	54" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	3,096.09		
33 42 31 00-0334	EA	60" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	3,438.90		
33 42 31 00-0335	EA	66" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	3,781.70		
33 42 31 00-0336	EA	72" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	4,124.52		
33 42 31 00-0337		48" x 54" ID, Precast Concrete Inlet Box Tops (33 42 31 00-0315)			
33 42 31 00-0338	EA	48" x 54" ID, Precast Concrete Inlet Box Top Slab	1,234.33	176.59	
33 42 31 00-0339		48" x 66" ID, Precast Concrete Inlet Boxes (33 42 31 00-0233)			
33 42 31 00-0340		48" x 66" ID, Precast Concrete Inlet Boxes (33 42 31 00-0339)			
33 42 31 00-0341	EA	36" Height, 48" x 66" ID, Precast Concrete Inlet Box	3,287.30	365.14	
33 42 31 00-0342	EA	42" Height, 48" x 66" ID, Precast Concrete Inlet Box	3,663.53	426.14	
33 42 31 00-0343	EA	48" Height, 48" x 66" ID, Precast Concrete Inlet Box	4,039.76	487.15	
33 42 31 00-0344	EA	54" Height, 48" x 66" ID, Precast Concrete Inlet Box	4,415.32	547.81	
33 42 31 00-0345	EA	60" Height, 48" x 66" ID, Precast Concrete Inlet Box	4,790.89	608.48	
33 42 31 00-0346	EA	66" Height, 48" x 66" ID, Precast Concrete Inlet Box	5,166.45	669.16	
33 42 31 00-0347	EA	72" Height, 48" x 66" ID, Precast Concrete Inlet Box	5,542.02	729.83	
33 42 31 00-0348		48" x 66" ID, Precast Concrete Inlet Box Risers (33 42 31 00-0339)			
33 42 31 00-0349	EA	6" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	497.66		
33 42 31 00-0350	EA	12" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	782.30		
33 42 31 00-0351	EA	18" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	1,158.24		
33 42 31 00-0352	EA	24" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	1,534.18		
33 42 31 00-0353	EA	30" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	1,879.69		
33 42 31 00-0354	EA	36" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	2,255.63		
33 42 31 00-0355	EA	42" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	2,631.87		
33 42 31 00-0356	EA	48" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	3,008.09		
33 42 31 00-0357	EA	54" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	3,383.66		
33 42 31 00-0358	EA	60" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	3,759.22		
33 42 31 00-0359	EA	66" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	4,134.79		
33 42 31 00-0360	EA	72" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	4,510.35		
33 42 31 00-0361		48" x 66" ID, Precast Concrete Inlet Box Tops (33 42 31 00-0339)			
33 42 31 00-0362	EA	48" x 66" ID, Precast Concrete Inlet Box Top Slab	1,372.11	197.79	
33 42 31 00-0363		42" x 102" ID, Precast Concrete Inlet Boxes (33 42 31 00-0233)			
33 42 31 00-0364		42" x 102" ID, Precast Concrete Inlet Boxes (33 42 31 00-0363)			
33 42 31 00-0365	EA	36" Height, 42" x 102" ID, Precast Concrete Inlet Box	4,112.65	492.28	
33 42 31 00-0366	EA	42" Height, 42" x 102" ID, Precast Concrete Inlet Box	4,588.26	573.79	
33 42 31 00-0367	EA	48" Height, 42" x 102" ID, Precast Concrete Inlet Box	5,063.85	654.20	
33 42 31 00-0368	EA	54" Height, 42" x 102" ID, Precast Concrete Inlet Box	5,538.35	735.71	
33 42 31 00-0369	EA	60" Height, 42" x 102" ID, Precast Concrete Inlet Box	6,013.94	816.12	
33 42 31 00-0370	EA	66" Height, 42" x 102" ID, Precast Concrete Inlet Box	6,488.45	896.54	
33 42 31 00-0371	EA	72" Height, 42" x 102" ID, Precast Concrete Inlet Box	6,965.13	978.05	
33 42 31 00-0372		42" x 102" ID, Precast Concrete Inlet Box Risers (33 42 31 00-0363)			
33 42 31 00-0373	EA	6" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	664.68		
33 42 31 00-0374	EA	12" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	1,027.26		
33 42 31 00-0375	EA	18" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	1,495.25		
33 42 31 00-0376	EA	24" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	1,963.23		
33 42 31 00-0377	EA	30" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	2,399.70		
33 42 31 00-0378	EA	36" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	2,867.69		
33 42 31 00-0379	EA	42" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	3,343.29		
33 42 31 00-0380	EA	48" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	3,818.88		
33 42 31 00-0381	EA	54" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	4,293.38		
33 42 31 00-0382	EA	60" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	4,768.98		
33 42 31 00-0383	EA	66" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	5,243.48		
33 42 31 00-0384	EA	72" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	5,719.07		
33 42 31 00-0385		42" x 102" ID, Precast Concrete Inlet Box Tops (33 42 31 00-0363)			
33 42 31 00-0386	EA	42" x 102" ID, Precast Concrete Inlet Box Top Slab	1,877.87	217.35	
33 42 31 00-0387		Frames And Grates For Inlets (33 42 31 00-0232)			
33 42 31 00-0388		Inlet Frames And Grates (33 42 31 00-0387)			
33 42 31 00-0389	EA	24" x 24", Heavy-Duty Inlet Grate	421.38	50.64	
		Note: For type A, B, D, or E inlets.			
33 42 31 00-0390	EA	47-3/4" x 21-3/4", Bicycle Safe Inlet Grate (US Foundry 6352 GRT)	548.63	50.64	
		Note: For type A, B, D, or E inlets.			
33 42 31 00-0391	EA	47-3/4" x 21-3/4", Phase II Stormwater Compliant Inlet Grate (US Foundry 6352 GRT)	548.63	50.64	
		Note: Includes legend: Dump No Waste "Drains To Waterways".			
33 42 31 00-0392	EA	Phase II Storm Water Compliant Grate, Echo Grate, Type "B" And "D" Inlet Covers (US Foundry 6352 GRT	548.63	50.64	
		Note: Legend: Dump No Waste "Drains to Waterways"			

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 42 31 00-0393	EA	Parallel Bar Grates For Type A, B, D And E Inlets (Campbell Foundry 2617-0362)	601.89	50.64
33 42 31 00-0394	EA	Type B Inlet Dirt Plate (US Foundry 5217 BK)	436.90	101.30
33 42 31 00-0395	EA	Back Plate For Type B Inlets (Campbell Foundry 2548-1942)	511.45	101.30
33 42 31 00-0396	EA	Phase II Echo-Safe Bar For Series 2500/2600 Curb Inlets (Campbell Foundry 25419EC4)	636.67	126.62
Note: Includes cam action clamping system, stainless steel badge labeled to center of plate, steel plate welded to bar with legend: Dump No Waste "Drains to Waterways".				
33 42 31 00-0397	EA	1-1/2" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT)	540.81	126.62
33 42 31 00-0398	EA	2" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT)	551.46	126.62
33 42 31 00-0399	EA	2-1/2" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT)	572.76	126.62
33 42 31 00-0400	EA	3" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT)	594.06	126.62
33 42 31 00-0401	EA	2" Extension Frame For Type A Inlet (General Foundries 6352 EXT)	572.76	126.62
33 42 31 00-0402	EA	2-1/2" Extension Frame For Type A Inlet (General Foundries 6352 EXT)	594.06	126.62
33 42 31 00-0403	EA	3" Extension Frame For Type A Inlet (General Foundries 6352 EXT)	615.37	126.62
33 42 31 00-0404	EA	2" Extension Frame For Type E Inlet (General Foundries 6352 EXT)	892.28	126.62
33 42 31 00-0405	EA	2-1/2" Extension Frame For Type E Inlet (General Foundries 6352 EXT)	934.89	126.62
33 42 31 00-0406	EA	3" Extension Frame For Type E Inlet (General Foundries 6352 EXT)	977.49	126.62
33 42 31 00-0407	EA	2", 3 Sided Extension Frame For Type A, B, D, And E Inlet (Campbell Foundry 2701)	657.97	126.62
33 42 31 00-0408	EA	6" Type N Curb Back Piece For Type B And D Inlets (US Foundry 5218N6)	594.06	126.62
33 42 31 00-0409	EA	8" Type N Curb Back Piece For Type B And D Inlets (US Foundry 5218N8)	594.06	126.62
33 42 31 00-0410	EA	6" Radius Curb Back Piece For Type B And D Inlets (Campbell Foundry BSCB-6)	1,234.98	126.62
33 42 31 00-0411	EA	8" Radius Curb Back Piece For Type B And D Inlets (Campbell Foundry BSCB-8)	1,234.98	126.62
33 42 31 00-0412	EA	Safety Bars For Type B And D Inlets (General Foundries 5218 SB)	491.58	139.28
33 42 31 00-0413	EA	6", Phase II Echo-Safe Catch Basin Curb Inlet Cover (Campbell Foundry ERSS 648)	693.94	139.28
Note: Includes cam action clamping system and stainless steel badge labeled to center of plate.				
33 42 31 00-0414	EA	8", Phase II Echo-Safe Catch Basin Curb Inlet Cover (Campbell Foundry ERSS 848)	693.94	139.28
Note: Includes cam action clamping system and stainless steel badge labeled to center of plate.				
33 42 31 00-0415	EA	10", Phase II Echo-Safe Catch Basin Curb Inlet Cover (Campbell Foundry ERSS 1048)	768.49	139.28
Note: Includes cam action clamping system and stainless steel badge labeled to center of plate.				
33 42 31 00-0416	EA	Type B Inlet Frame (US Foundry 5216 FRM)	885.65	139.28
33 42 31 00-0417	EA	Type D Inlet Frame (US Foundry 2999 FRM)	757.84	139.28
33 42 31 00-0418	EA	Type B Inlet Frame (Campbell Foundry 2618-0202)	1,088.02	139.28
33 42 31 00-0419	EA	Type D Inlet Frame (Campbell Foundry 2617-0002)	960.21	139.28
33 42 31 00-0420	EA	Type A Inlet, Single Frame And Grate (US Foundry 52340)	1,235.94	202.58
33 42 31 00-0421	EA	Type E Inlet, Single Frame And Grate (US Foundry 52342)	2,002.79	202.58
33 42 31 00-0422	EA	Type A Inlet, Single Frame And Grate (General Foundries 52340)	1,203.99	202.58
33 42 31 00-0423	EA	Type E Inlet, Double Frame And Grate (General Foundries 52342)	1,902.68	202.58
33 42 31 00-0424	EA	Oversized Type A Inlet, Single Frame And Reticuline Grate (US Foundry 82340)	2,024.31	303.88
33 42 31 00-0425	EA	Heavy-Duty Rectangular Frame And Grate (Campbell Foundry 3084)	2,066.06	405.18
33 42 31 00-0426	EA	6" Curb Piece, Type B Inlet Frame And Grate (US Foundry 52186)	2,269.49	405.18
33 42 31 00-0427	EA	8" Curb Piece, Type B Inlet Frame And Grate (US Foundry 52198)	2,269.49	405.18
33 42 31 00-0428	EA	6" Curb Piece, Type D Inlet Frame And Grate (US Foundry 72266)	2,003.22	405.18
33 42 31 00-0429	EA	8" Curb Piece, Type D Inlet Frame And Grate (US Foundry 72268)	2,003.22	405.18
33 42 31 00-0430	EA	Type B And C Inlet Frame And Grate With Type N Curb And Back Plate (Campbell Foundry GFI 52198)	2,354.70	405.18

33 42 31 00-0431 Catch Basin Frames And Covers (33 42 31 00-0001)**33 42 31 00-0432 Cast Iron Frames And Covers (33 42 31 00-0431)**

33 42 31 00-0433	EA	18" Diameter Cast Iron Catch Basin Frame And Cover	1,103.86	110.93
33 42 31 00-0434	EA	22" Diameter Cast Iron Catch Basin Frame And Cover	1,406.97	125.35
33 42 31 00-0435	EA	24" Diameter Cast Iron Catch Basin Frame And Cover	1,602.27	129.79
33 42 31 00-0436	EA	26" Diameter Cast Iron Catch Basin Frame And Cover	1,809.43	150.87
33 42 31 00-0437	EA	28" Diameter Cast Iron Catch Basin Frame And Cover	2,134.01	171.94
33 42 31 00-0438	EA	32" Diameter Cast Iron Catch Basin Frame And Cover	3,449.01	179.71
33 42 31 00-0439	EA	16" x 16" Cast Iron Catch Basin Frame And Cover	1,852.45	136.45
33 42 31 00-0440	EA	18" x 24" Cast Iron Catch Basin Frame And Cover	2,429.25	157.52
33 42 31 00-0441	EA	20" x 27" Cast Iron Catch Basin Frame And Cover	2,756.14	164.18
33 42 31 00-0442	EA	23" x 23" Cast Iron Catch Basin Frame And Cover	2,598.17	164.18
33 42 31 00-0443	EA	24" x 24" Cast Iron Catch Basin Frame And Cover	2,684.49	170.84
33 42 31 00-0444	EA	26" x 26" Cast Iron Catch Basin Frame And Cover	2,886.66	177.50
33 42 31 00-0445	EA	24" x 36" Cast Iron Catch Basin Frame And Cover	3,485.06	190.81

33 42 31 00-0446 Area Yard Drain (33 42 31 00-0001)

See CSI section 22 14 26 16-0001 for drains.

33 42 31 00-0447 Ductile Iron Grates (33 42 31 00-0446)

Note: Not for traffic loading.

33 42 31 00-0448	EA	8" Diameter Ductile Iron Grate Adapter Necks Down To 4" and 6" Diameter Pipe	165.63	38.49
33 42 31 00-0449	EA	10" Diameter Ductile Iron Grate Adapters To 4", 6", or 8" Diameter Pipe	203.40	41.07
33 42 31 00-0450	EA	12" Diameter Ductile Iron Grate Adapters To 4" Through 12" Diameter Pipe	475.71	51.33
33 42 31 00-0451	EA	15" Diameter Ductile Iron Grate Adapters To 4" Through 12" Diameter Pipe	568.41	61.59

33 42 31 00-0452 Concrete Drainage Inlet Structures (CALTRANS) (33 42 31 00-0001)**33 42 31 00-0453 Type OS Concrete Drainage Inlet Structure (33 42 31 00-0452)**

33 42 31 00-0454	EA	3' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	2,518.47	
33 42 31 00-0455	EA	4' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	2,925.34	
33 42 31 00-0456	EA	5' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	3,302.89	
33 42 31 00-0457	EA	6' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	3,651.11	
33 42 31 00-0458	EA	7' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	3,970.02	
33 42 31 00-0459	EA	8' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	4,259.60	
33 42 31 00-0460	EA	8' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	5,796.10	
33 42 31 00-0461	EA	10' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	6,756.34	
33 42 31 00-0462	EA	12' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	7,642.30	
33 42 31 00-0463	EA	14' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	8,456.21	

		Utilities	33		
		Stormwater Utilities	33 40		
		Stormwater Conveyance	33 42		
MINOR	TOTAL DIRECT	DEMOLITION			
CSI UOM DESCRIPTION	UNIT COST	UNIT COST			

33 42 31 00-0464	EA	16' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness.....	9,238.34
33 42 31 00-0465	EA	18' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness.....	9,956.84
33 42 31 00-0466	EA	20' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness.....	10,611.71

33 42 31 00-0467 Type OL-7 Concrete Drainage Inlet Structure (33 42 31 00-0452)

33 42 31 00-0468	EA	3' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	3,429.41
33 42 31 00-0469	EA	4' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	3,809.49
33 42 31 00-0470	EA	5' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	4,160.23
33 42 31 00-0471	EA	6' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	4,481.66
33 42 31 00-0472	EA	7' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	4,772.67
33 42 31 00-0473	EA	8' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	5,035.45
33 42 31 00-0474	EA	8' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	6,526.32
33 42 31 00-0475	EA	10' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	7,464.02
33 42 31 00-0476	EA	12' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	8,327.44
33 42 31 00-0477	EA	14' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	9,117.69
33 42 31 00-0478	EA	16' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	9,880.24
33 42 31 00-0479	EA	18' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	10,579.14
33 42 31 00-0480	EA	20' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	11,214.41

33 42 31 00-0481 Type OL-10 Concrete Drainage Inlet Structure (33 42 31 00-0452)

33 42 31 00-0482	EA	3' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	4,268.91
33 42 31 00-0483	EA	4' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	4,624.53
33 42 31 00-0484	EA	5' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	4,949.71
33 42 31 00-0485	EA	6' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	5,246.69
33 42 31 00-0486	EA	7' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	5,513.24
33 42 31 00-0487	EA	8' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	5,750.46
33 42 31 00-0488	EA	8' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	7,256.53
33 42 31 00-0489	EA	10' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	8,170.58
33 42 31 00-0490	EA	12' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	9,012.57
33 42 31 00-0491	EA	14' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	9,780.27
33 42 31 00-0492	EA	16' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	10,522.13
33 42 31 00-0493	EA	18' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	11,201.44
33 42 31 00-0494	EA	20' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	11,816.01

33 42 31 00-0495 Type OL-14 Concrete Drainage Inlet Structure (33 42 31 00-0452)

33 42 31 00-0496	EA	3' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	5,465.63
33 42 31 00-0497	EA	4' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	5,785.09
33 42 31 00-0498	EA	5' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	6,075.23
33 42 31 00-0499	EA	6' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	6,336.04
33 42 31 00-0500	EA	7' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	6,567.54
33 42 31 00-0501	EA	8' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	6,769.72
33 42 31 00-0502	EA	8' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	8,291.01
33 42 31 00-0503	EA	10' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	9,173.02
33 42 31 00-0504	EA	12' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	9,981.87
33 42 31 00-0505	EA	14' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	10,717.55
33 42 31 00-0506	EA	16' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	11,432.67
33 42 31 00-0507	EA	18' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	12,083.05
33 42 31 00-0508	EA	20' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	12,669.78

33 42 31 00-0509 Type OL-21 Concrete Drainage Inlet Structure (33 42 31 00-0452)

33 42 31 00-0510	EA	3' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	7,894.81
33 42 31 00-0511	EA	4' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	8,142.44
33 42 31 00-0512	EA	5' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	8,360.75
33 42 31 00-0513	EA	6' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	8,549.75
33 42 31 00-0514	EA	7' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	8,708.31
33 42 31 00-0515	EA	8' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	8,838.67
33 42 31 00-0516	EA	8' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	10,314.31
33 42 31 00-0517	EA	10' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	11,133.20
33 42 31 00-0518	EA	12' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	11,878.92
33 42 31 00-0519	EA	14' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	12,551.46
33 42 31 00-0520	EA	16' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	13,211.64
33 42 31 00-0521	EA	18' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	13,807.06
33 42 31 00-0522	EA	20' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	14,338.86

33 42 31 00-0523 Type GOL-7 Concrete Drainage Inlet Structure (33 42 31 00-0452)

33 42 31 00-0524	EA	3' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	4,161.74
33 42 31 00-0525	EA	4' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	4,581.20
33 42 31 00-0526	EA	5' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	4,966.96
33 42 31 00-0527	EA	6' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	5,319.03
33 42 31 00-0528	EA	7' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	5,638.51
33 42 31 00-0529	EA	8' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	5,925.41
33 42 31 00-0530	EA	8' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	7,545.57
33 42 31 00-0531	EA	10' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	8,589.88
33 42 31 00-0532	EA	12' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	9,551.91
33 42 31 00-0533	EA	14' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	10,430.54
33 42 31 00-0534	EA	16' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	11,279.90
33 42 31 00-0535	EA	18' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	12,057.67
33 42 31 00-0536	EA	20' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	12,762.72

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 42 31 00-0537		Type GOL-10 Concrete Drainage Inlet Structure (33 42 31 00-0452)	
33 42 31 00-0538	EA	3' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,072.68
33 42 31 00-0539	EA	4' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,464.23
33 42 31 00-0540	EA	5' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,823.19
33 42 31 00-0541	EA	6' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,149.58
33 42 31 00-0542	EA	7' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,442.27
33 42 31 00-0543	EA	8' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,701.26
33 42 31 00-0544	EA	8' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,321.43
33 42 31 00-0545	EA	10' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,341.17
33 42 31 00-0546	EA	12' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,278.61
33 42 31 00-0547	EA	14' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,133.77
33 42 31 00-0548	EA	16' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,961.71
33 42 31 00-0549	EA	18' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,718.04
33 42 31 00-0550	EA	20' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,402.77

33 42 31 00-0551		Type G-1 Concrete Drainage Inlet Structure (33 42 31 00-0452)	
33 42 31 00-0552	EA	3' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,696.84
33 42 31 00-0553	EA	4' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,028.27
33 42 31 00-0554	EA	5' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,335.05
33 42 31 00-0555	EA	6' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,619.40
33 42 31 00-0556	EA	7' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,881.34
33 42 31 00-0557	EA	8' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,118.64

33 42 31 00-0558		Type G-2 Concrete Drainage Inlet Structure (33 42 31 00-0452)	
33 42 31 00-0559	EA	3' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,339.87
33 42 31 00-0560	EA	4' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,712.20
33 42 31 00-0561	EA	5' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,057.75
33 42 31 00-0562	EA	6' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,376.51
33 42 31 00-0563	EA	7' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,668.47
33 42 31 00-0564	EA	8' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,932.53
33 42 31 00-0565	EA	8' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,324.50
33 42 31 00-0566	EA	10' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,210.40
33 42 31 00-0567	EA	12' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,029.05
33 42 31 00-0568	EA	14' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,780.44
33 42 31 00-0569	EA	16' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,502.58
33 42 31 00-0570	EA	18' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,166.27
33 42 31 00-0571	EA	20' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,770.40

33 42 31 00-0572		Type G-3 Concrete Drainage Inlet Structure (33 42 31 00-0452)	
33 42 31 00-0573	EA	3' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,839.73
33 42 31 00-0574	EA	4' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,166.47
33 42 31 00-0575	EA	5' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,469.68
33 42 31 00-0576	EA	6' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,750.47
33 42 31 00-0577	EA	7' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,006.60
33 42 31 00-0578	EA	8' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,240.33

33 42 31 00-0579		Type G-4_24 Concrete Drainage Inlet Structure (33 42 31 00-0452)	
33 42 31 00-0580	EA	3' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,268.42
33 42 31 00-0581	EA	4' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,643.11
33 42 31 00-0582	EA	5' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,990.99
33 42 31 00-0583	EA	6' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,310.98
33 42 31 00-0584	EA	7' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,605.27
33 42 31 00-0585	EA	8' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,871.66
33 42 31 00-0586	EA	8' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,294.07
33 42 31 00-0587	EA	10' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,181.70
33 42 31 00-0588	EA	12' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,000.97
33 42 31 00-0589	EA	14' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,752.97
33 42 31 00-0590	EA	16' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,475.61
33 42 31 00-0591	EA	18' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,139.79
33 42 31 00-0592	EA	20' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,745.51

33 42 31 00-0593		Type G-4_18 Concrete Drainage Inlet Structure (33 42 31 00-0452)	
33 42 31 00-0594	EA	3' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,339.87
33 42 31 00-0595	EA	4' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,712.20
33 42 31 00-0596	EA	5' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,057.75
33 42 31 00-0597	EA	6' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,376.51
33 42 31 00-0598	EA	7' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,668.47
33 42 31 00-0599	EA	8' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,932.53
33 42 31 00-0600	EA	8' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,324.50
33 42 31 00-0601	EA	10' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,210.40
33 42 31 00-0602	EA	12' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,029.05
33 42 31 00-0603	EA	14' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,780.44
33 42 31 00-0604	EA	16' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,502.58
33 42 31 00-0605	EA	18' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,166.27
33 42 31 00-0606	EA	20' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,770.40

33 42 31 00-0607		Type G-5 Concrete Drainage Inlet Structure (33 42 31 00-0452)	
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				Utilities	33
				Stormwater Utilities	33 40
				Stormwater Conveyance	33 42
33 42 31 00-0608	EA	3'	Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,821.88	
33 42 31 00-0609	EA	4'	Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,148.93	
33 42 31 00-0610	EA	5'	Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,453.55	
33 42 31 00-0611	EA	6'	Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,733.53	
33 42 31 00-0612	EA	7'	Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,991.09	
33 42 31 00-0613	EA	8'	Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,225.13	
33 42 31 00-0614			Type G-6 Concrete Drainage Inlet Structure (33 42 31 00-0452)		
33 42 31 00-0615	EA	3'	Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,857.61	
33 42 31 00-0616	EA	4'	Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,184.03	
33 42 31 00-0617	EA	5'	Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,486.93	
33 42 31 00-0618	EA	6'	Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,766.29	
33 42 31 00-0619	EA	7'	Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,022.13	
33 42 31 00-0620	EA	8'	Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,255.55	
33 42 31 00-0621			Type GT1 Concrete Drainage Inlet Structure (33 42 31 00-0452)		
33 42 31 00-0622	EA	3'	Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,107.91	
33 42 31 00-0623	EA	4'	Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,618.62	
33 42 31 00-0624	EA	5'	Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,126.72	
33 42 31 00-0625	EA	6'	Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,530.26	
33 42 31 00-0626	EA	7'	Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,930.09	
33 42 31 00-0627	EA	8'	Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,294.07	
33 42 31 00-0628			Type GT2 Concrete Drainage Inlet Structure (33 42 31 00-0452)		
33 42 31 00-0629	EA	3'	Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,768.79	
33 42 31 00-0630	EA	4'	Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,324.73	
33 42 31 00-0631	EA	5'	Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,839.22	
33 42 31 00-0632	EA	6'	Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,313.36	
33 42 31 00-0633	EA	7'	Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,746.05	
33 42 31 00-0634	EA	8'	Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,138.38	
33 42 31 00-0635	EA	8'	Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,214.94	
33 42 31 00-0636	EA	10'	Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,521.01	
33 42 31 00-0637	EA	12'	Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,726.32	
33 42 31 00-0638	EA	14'	Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,831.96	
33 42 31 00-0639	EA	16'	Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,886.19	
33 42 31 00-0640	EA	18'	Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,872.71	
33 42 31 00-0641	EA	20'	Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	14,761.52	
33 42 31 00-0642			Type GT3 Concrete Drainage Inlet Structure (33 42 31 00-0452)		
33 42 31 00-0643	EA	3'	Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,090.05	
33 42 31 00-0644	EA	4'	Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,601.06	
33 42 31 00-0645	EA	5'	Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,076.23	
33 42 31 00-0646	EA	6'	Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,514.43	
33 42 31 00-0647	EA	7'	Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,914.57	
33 42 31 00-0648	EA	8'	Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,278.86	
33 42 31 00-0649			Type GT4 Concrete Drainage Inlet Structure (33 42 31 00-0452)		
33 42 31 00-0650	EA	3'	Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,893.82	
33 42 31 00-0651	EA	4'	Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,445.39	
33 42 31 00-0652	EA	5'	Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,956.61	
33 42 31 00-0653	EA	6'	Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,426.38	
33 42 31 00-0654	EA	7'	Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,855.80	
33 42 31 00-0655	EA	8'	Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,244.87	
33 42 31 00-0656	EA	8'	Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,230.16	
33 42 31 00-0657	EA	10'	Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,535.92	
33 42 31 00-0658	EA	12'	Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,740.92	
33 42 31 00-0659	EA	14'	Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,845.14	
33 42 31 00-0660	EA	16'	Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,909.13	
33 42 31 00-0661	EA	18'	Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,885.40	
33 42 31 00-0662	EA	20'	Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	14,773.97	
33 42 31 00-0663			Type GO Concrete Drainage Inlet Structure (33 42 31 00-0452)		
33 42 31 00-0664	EA	3'	Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	2,214.83	
33 42 31 00-0665	EA	4'	Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	2,574.00	
33 42 31 00-0666	EA	5'	Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	2,906.99	
33 42 31 00-0667	EA	6'	Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	3,213.79	
33 42 31 00-0668	EA	7'	Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	3,494.41	
33 42 31 00-0669	EA	8'	Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	3,749.97	
33 42 31 00-0670	EA	8'	Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	5,157.15	
33 42 31 00-0671	EA	10'	Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	6,016.76	
33 42 31 00-0672	EA	12'	Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	6,809.36	
33 42 31 00-0673	EA	14'	Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	7,537.15	
33 42 31 00-0674	EA	16'	Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	8,238.07	
33 42 31 00-0675	EA	18'	Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	8,880.50	
33 42 31 00-0676	EA	20'	Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	9,466.66	
33 42 31 00-0677			Type GDO Concrete Drainage Inlet Structure (33 42 31 00-0452)		

33	33	Utilities
	33 40	Stormwater Utilities
	33 42	Stormwater Conveyance

MINOR		TOTAL DIRECT		DEMOLITION	
CSI UOM DESCRIPTION		UNIT COST		UNIT COST	
33 42 31 00-0678	EA	3' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	2,893.57		
33 42 31 00-0679	EA	4' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	3,365.66		
33 42 31 00-0680	EA	5' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	3,803.50		
33 42 31 00-0681	EA	6' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	4,208.21		
33 42 31 00-0682	EA	7' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	4,577.54		
33 42 31 00-0683	EA	8' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	4,913.75		
33 42 31 00-0684	EA	8' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	6,632.80		
33 42 31 00-0685	EA	10' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	7,740.68		
33 42 31 00-0686	EA	12' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	8,763.68		
33 42 31 00-0687	EA	14' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	9,702.91		
33 42 31 00-0688	EA	16' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	10,606.09		
33 42 31 00-0689	EA	18' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	11,435.37		
33 42 31 00-0690	EA	20' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	12,190.75		
33 42 33 Stormwater Curbside Drains and Inlets (33 42)					
33 42 33 00-0001		Curb Inlet Frames And Covers (33 42 33)			
33 42 33 00-0002		Cast Iron Curb Inlet Frames And Covers (33 42 33 00-0001)			
33 42 33 00-0003	EA	20" x 22" Cast Iron Curb Inlet Frame And Cover	2,327.55	129.79	
33 42 33 00-0004	EA	22" x 24" Cast Iron Curb Inlet Frame And Cover	2,486.61	150.87	
33 42 33 00-0005	EA	24" x 24" Cast Iron Curb Inlet Frame And Cover	2,590.10	150.87	
33 42 33 00-0006	EA	27" x 27" Cast Iron Curb Inlet Frame And Cover	2,835.82	177.50	
33 42 33 00-0007	EA	36" x 24" Cast Iron Curb Inlet Frame And Cover	2,799.50	189.69	
33 42 36 Stormwater Trench Drains (33 42)					
33 42 36 00-0001		Modular Trench Drains (33 42 36) See CSI section 03 31 13 00-0011 for concrete.			
33 42 36 00-0002		Modular Trench Drains (33 42 36 00-0001) Note: Excludes grates. See CSI section 33 42 36 00-0118 for grates.			
33 42 36 00-0003		4" Wide, Modular Trench Drains (33 42 36 00-0002)			
33 42 36 00-0004		4 Wide, High-Density Polyethylene (HDPE), Shallow Modular Trench Drains (33 42 36 00-0003)			
33 42 36 00-0005		4 Wide, High-Density Polyethylene (HDPE), Shallow Modular Trench Drains (33 42 36 00-0004)			
33 42 36 00-0006	LF	4" Wide, High-Density Polyethylene (HDPE), Shallow Modular Trench Drain (Zurn Z844-C)	69.72	17.75	
		For Extra Heavy-Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	104.23		
		For Galvanized Extra Heavy-Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	208.46		
		For Stainless Steel Extra Heavy-Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	333.53		
		For Type 304 Stainless Steel Top Veneer Frame, Add	83.38		
		For Aluminum Veneer Bronze Anodized Frame, Add	41.69		
33 42 36 00-0007		Outlet Adapters For 4 Wide, High-Density Polyethylene (HDPE), Shallow Modular Trench Drains (33 42 36 00-0004)			
33 42 36 00-0008	EA	Closed End Cap For 4" Wide, High-Density Polyethylene (HDPE), Shallow Modular Trench Drain	53.17		
33 42 36 00-0009	EA	No-Hub End Outlet For 4" Wide, High-Density Polyethylene (HDPE), Shallow Modular Trench Drain	64.26		
33 42 36 00-0010	EA	No-Hub Bottom Outlet For 4" Wide, High-Density Polyethylene (HDPE), Shallow Modular Trench Drain	64.26		
33 42 36 00-0011		6" Wide, Modular Trench Drains (33 42 36 00-0002)			
33 42 36 00-0012		6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains (33 42 36 00-0011)			
33 42 36 00-0013		6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains (33 42 36 00-0012)			
33 42 36 00-0014	LF	6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drain	213.80	17.75	
		For Extra Heavy-Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	104.23		
		For Galvanized Extra Heavy-Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	208.46		
		For Stainless Steel Extra Heavy-Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	333.53		
		For Type 304 Stainless Steel Top Veneer Frame, Add	83.38		
		For Aluminum Veneer Bronze Anodized Frame, Add	41.69		
33 42 36 00-0015		Outlet Adapters For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains (33 42 36 00-0012)			
33 42 36 00-0016	EA	Closed End Cap For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	97.23		
33 42 36 00-0017	EA	No-Hub End Outlet For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	108.32		
33 42 36 00-0018	EA	No-Hub Bottom Outlet For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	108.32		
33 42 36 00-0019		Other Fittings For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains (33 42 36 00-0012)			
33 42 36 00-0020	EA	Bottom Dome Strainer For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	187.57		
33 42 36 00-0021	EA	Joint Connector For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	187.57		
33 42 36 00-0022	EA	90 Degree, 45 Degree, Tee Or Side Outlet Charge For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	889.29		
33 42 36 00-0023	EA	Cross For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	1,723.11		
33 42 36 00-0024	EA	Cutting Charge For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	208.46		

		Utilities	33	CS
		Stormwater Utilities	33 40	
		Stormwater Conveyance	33 42	
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
		UNIT COST	UNIT COST	

33 42 36 00-0025	6" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 42 36 00-0011)			
33 42 36 00-0026	6" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 42 36 00-0025)			
33 42 36 00-0027	LF 6" Wide, Fiber Reinforced Polyester, Modular Trench Drain	311.77		17.75
	For Black Acid Resistant Coated Frame, Add	79.21		
	For Galvanized Top Frame Assembly, Add	79.21		
	For Type 304 Stainless Steel Top Frame Assembly, Add	291.84		
33 42 36 00-0028	Outlet Adapters For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 42 36 00-0025)			
33 42 36 00-0029	EA Closed End Cap For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	105.57		
33 42 36 00-0030	EA No-Hub End Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	116.66		
33 42 36 00-0031	EA No-Hub Bottom Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	116.66		
33 42 36 00-0032	Other Fittings For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 42 36 00-0025)			
33 42 36 00-0033	EA Bottom Dome Strainer For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	187.57		
33 42 36 00-0034	EA Joint Connector For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	187.57		
33 42 36 00-0035	EA 90 Degree, 45 Degree, Tee Or Side Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	889.29		
33 42 36 00-0036	EA Cross For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	1,723.11		
33 42 36 00-0037	EA Cutting Charge For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	208.46		
33 42 36 00-0038	6" Wide, Vinylester Fiberglass, Modular Trench Drains (33 42 36 00-0011)			
33 42 36 00-0039	6" Wide, Vinylester Fiberglass, Modular Trench Drains (33 42 36 00-0038)			
33 42 36 00-0040	LF 6" Wide, Vinylester Fiberglass, Modular Trench Drain	403.49		17.75
	For Black Acid Resistant Coated Frame, Add	79.21		
	For Galvanized Top Frame Assembly, Add	79.21		
	For Type 304 Stainless Steel Top Frame Assembly, Add	291.84		
33 42 36 00-0041	Outlet Adapters For 6" Wide, Vinylester Fiberglass, Modular Trench Drains (33 42 36 00-0038)			
33 42 36 00-0042	EA Closed End Cap For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	172.28		
33 42 36 00-0043	EA No-Hub End Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	183.37		
33 42 36 00-0044	EA No-Hub Bottom Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	183.37		
33 42 36 00-0045	Other Fittings For 6" Wide, Vinylester Fiberglass, Modular Trench Drains (33 42 36 00-0038)			
33 42 36 00-0046	EA Bottom Dome Strainer For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	187.57		
33 42 36 00-0047	EA Joint Connector For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	187.57		
33 42 36 00-0048	EA 90 Degree, 45 Degree, Tee Or Side Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	889.29		
33 42 36 00-0049	EA Cross For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	1,723.11		
33 42 36 00-0050	EA Cutting Charge For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	208.46		
33 42 36 00-0051	6" Wide, Polymer Concrete, Modular Trench Drains (33 42 36 00-0011)			
33 42 36 00-0052	6" Wide, Polymer Concrete, Modular Trench Drains (33 42 36 00-0051)			
33 42 36 00-0053	LF 6" Wide, Polymer Concrete, Modular Trench Drain	492.20		
33 42 36 00-0054	Outlet Adapters For 6" Wide, Polymer Concrete, Modular Trench Drains (33 42 36 00-0051)			
33 42 36 00-0055	EA Closed End Cap For 6" Wide, Polymer Concrete, Modular Trench Drain	194.82		
33 42 36 00-0056	EA No-Hub End Outlet For 6" Wide, Polymer Concrete, Modular Trench Drain	237.07		
33 42 36 00-0057	EA No-Hub Bottom Outlet For 6" Wide, Polymer Concrete, Modular Trench Drain	74.04		
33 42 36 00-0058	12" Wide, Modular Trench Drains (33 42 36 00-0002)			
33 42 36 00-0059	12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains (33 42 36 00-0058)			
33 42 36 00-0060	12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains (33 42 36 00-0059)			
33 42 36 00-0061	LF 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drain	403.18		24.41
	For Acid Resistant Coated Top Frame, Add	108.40		
	For Galvanized Welded Frame Assembly, Add	113.61		
	For Type 304 Stainless Steel Top Frame, Add	650.38		
33 42 36 00-0062	Outlet Adapters For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains (33 42 36 00-0059)			
33 42 36 00-0063	EA End Cap For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	200.51		
33 42 36 00-0064	EA No-Hub End Outlet For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	215.30		
33 42 36 00-0065	EA No-Hub Bottom Outlet For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	215.30		
33 42 36 00-0066	Other Fittings For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains (33 42 36 00-0059)			

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 42 36 00-0067	EA	Bottom Dome Strainer For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	335.44	
33 42 36 00-0068	EA	Joint Connector For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	439.67	
33 42 36 00-0069	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	1,752.97	
33 42 36 00-0070	EA	Cross For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	3,420.61	
33 42 36 00-0071	EA	Cutting Charges For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	416.91	
33 42 36 00-0072		12" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 42 36 00-0058)		
33 42 36 00-0073		12" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 42 36 00-0072)		
33 42 36 00-0074	LF	12" Wide, Fiber Reinforced Polyester, Modular Trench Drain	507.41	24.41
		For Acid Resistant Coated Top Frame, Add	108.40	
		For Galvanized Welded Frame Assembly, Add	113.61	
		For Type 304 Stainless Steel Top Frame, Add	650.38	
33 42 36 00-0075		Outlet Adapters For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 42 36 00-0072)		
33 42 36 00-0076	EA	End Cap For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	208.85	
33 42 36 00-0077	EA	No-Hub End Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	223.64	
33 42 36 00-0078	EA	No-Hub Bottom Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	223.64	
33 42 36 00-0079		Other Fittings For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 42 36 00-0072)		
33 42 36 00-0080	EA	Bottom Dome Strainer For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	335.44	
33 42 36 00-0081	EA	Joint Connector For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	439.67	
33 42 36 00-0082	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	1,752.97	
33 42 36 00-0083	EA	Cross For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	3,420.61	
33 42 36 00-0084	EA	Cutting Charges For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	416.91	
33 42 36 00-0085		12" Wide, Vinylester Fiberglass, Modular Trench Drains (33 42 36 00-0058)		
33 42 36 00-0086		12" Wide, Vinylester Fiberglass, Modular Trench Drains (33 42 36 00-0085)		
33 42 36 00-0087	LF	12" Wide, Vinylester Fiberglass, Modular Trench Drain	715.87	24.41
		For Acid Resistant Coated Top Frame, Add	108.40	
		For Galvanized Welded Frame Assembly, Add	113.61	
		For Type 304 Stainless Steel Top Frame, Add	650.38	
33 42 36 00-0088		Outlet Adapters For 12" Wide, Vinylester Fiberglass, Modular Trench Drains (33 42 36 00-0085)		
33 42 36 00-0089	EA	End Cap For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	521.53	
33 42 36 00-0090	EA	No-Hub End Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	536.32	
33 42 36 00-0091	EA	No-Hub Bottom Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	536.32	
33 42 36 00-0092		Other Fittings For 12" Wide, Vinylester Fiberglass, Modular Trench Drains (33 42 36 00-0085)		
33 42 36 00-0093	EA	Bottom Dome Strainer For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	335.44	
33 42 36 00-0094	EA	Joint Connector For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	439.67	
33 42 36 00-0095	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	1,752.97	
33 42 36 00-0096	EA	Cross For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	3,420.61	
33 42 36 00-0097	EA	Cutting Charges For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	416.91	
33 42 36 00-0098		12" Wide, Polymer Concrete, Modular Trench Drains (33 42 36 00-0058)		
33 42 36 00-0099		12" Wide, Polymer Concrete, Modular Trench Drains (33 42 36 00-0098)		
33 42 36 00-0100	LF	12" Wide, Polymer Concrete, Modular Trench Drain	660.17	
33 42 36 00-0101		Outlet Adapters For 12" Wide, Polymer Concrete, Modular Trench Drains (33 42 36 00-0098)		
33 42 36 00-0102	EA	Closed End Cap For 12" Wide, Polymer Concrete, Modular Trench Drain	331.74	
33 42 36 00-0103	EA	No-Hub End Outlet For 12" Wide, Polymer Concrete, Modular Trench Drain	571.87	
33 42 36 00-0104	EA	No-Hub Bottom Outlet For 12" Wide, Polymer Concrete, Modular Trench Drain	130.58	
33 42 36 00-0105		23" Wide, Modular Trench Drains (33 42 36 00-0002)		
33 42 36 00-0106		23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains (33 42 36 00-0105)		
33 42 36 00-0107		23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains (33 42 36 00-0106)		
33 42 36 00-0108	LF	23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drain	565.37	33.28
		For Acid Resistant Coated Frame, Add	162.59	
		For Galvanized Frame Assembly, Add	162.59	
		For Type 304 Stainless Steel Top Frame, Add	1,000.58	
33 42 36 00-0109		Outlet Adapters For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains (33 42 36 00-0106)		
33 42 36 00-0110	EA	End Cap For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	639.80	

Cal Poly Humboldt.			Utilities 33		33
			Stormwater Utilities 33 40		
			Stormwater Conveyance 33 42		
MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
			UNIT COST	UNIT COST	
33 42 36 00-0111	EA	No-Hub End Outlet For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	932.43		
33 42 36 00-0112	EA	No-Hub Bottom Outlet For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	932.43		
33 42 36 00-0113		Other Fittings For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains (33 42 36 00-0106)			
33 42 36 00-0114	EA	Bottom Dome Strainer For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	762.86		
33 42 36 00-0115	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	3,473.93		
33 42 36 00-0116	EA	Cross For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	6,809.21		
33 42 36 00-0117	EA	Cutting Charges For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains.....	833.82		
33 42 36 00-0118		Modular Trench Drain Grates (33 42 36 00-0001)			
33 42 36 00-0119		4" Wide, Modular Trench Drain Grates (33 42 36 00-0118)			
33 42 36 00-0120	LF	4" Wide, Polypropylene, Silver Heel Proof, Modular Trench Drain Grate (Zurn Z884-P4-HPP)	45.04		3.32
33 42 36 00-0121	LF	4" Wide, Class C Cast Iron, Modular Trench Drain Grate (Zurn Z884-P4-CG).....	47.37		3.32
33 42 36 00-0122	LF	4" Wide, Galvanized Steel Slotted, Modular Trench Drain Grate (Zurn Z884-P4-FG)	38.07		3.32
33 42 36 00-0123	LF	4" Wide, Stainless Steel Slotted, Modular Trench Drain Grate (Zurn Z884-P4-FS).....	101.98		3.32
33 42 36 00-0124	LF	4" Wide, Galvanized Steel Perforated, Modular Trench Drain Grate (Zurn Z884-P4-FG).....	38.07		3.32
33 42 36 00-0125	LF	4" Wide, Stainless Steel Perforated, Modular Trench Drain Grate (Zurn Z884-P4-FS)	101.98		3.32
33 42 36 00-0126		6" Wide, Modular Trench Drain Grates (33 42 36 00-0118)			
33 42 36 00-0127	LF	6" Wide, Galvanized Ductile Iron Cast Bar, Modular Trench Drain Grate	205.66		3.32
33 42 36 00-0128	LF	6" Wide, Ductile Iron Cast Bar, Modular Trench Drain Grate.....	174.18		3.32
33 42 36 00-0129	LF	6" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate	182.94		3.32
33 42 36 00-0130	LF	6" Wide, Ductile Iron Slotted, Modular Trench Drain Grate.....	159.80		3.32
33 42 36 00-0131	LF	6" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate.....	172.30		3.32
33 42 36 00-0132	LF	6" Wide, Heel Proof Ductile Iron, Modular Trench Drain Grate.....	174.39		3.32
33 42 36 00-0133	LF	6" Wide, Ductile Iron Longitudinal Slotted, Modular Trench Drain Grate	174.39		3.32
33 42 36 00-0134	LF	6" Wide, Galvanized Cast Iron Slotted, Modular Trench Drain Grate	172.30		3.32
33 42 36 00-0135	LF	6" Wide, Galvanized Steel Slotted, Modular Trench Drain Grate.....	151.46		3.32
33 42 36 00-0136	LF	6" Wide, Perforated Galvanized Steel, Modular Trench Drain Grate	151.46		3.32
33 42 36 00-0137	LF	6" Wide, Reinforced Galvanized Steel Slotted, Modular Trench Drain Grate	161.05		3.32
33 42 36 00-0138	LF	6" Wide, Reinforced Perforated Galvanized Steel, Modular Trench Drain Grate	161.05		3.32
33 42 36 00-0139	LF	6" Wide, Fabricated Stainless Steel Slotted, Modular Trench Drain Grate	209.83		3.32
33 42 36 00-0140	LF	6" Wide, Perforated Stainless Steel, Modular Trench Drain Grate	209.83		3.32
33 42 36 00-0141	LF	6" Wide, Reinforced Stainless Steel Slotted, Modular Trench Drain Grate.....	384.93		3.32
33 42 36 00-0142	LF	6" Wide, Reinforced Perforated Stainless Steel, Modular Trench Drain Grate	384.93		3.32
33 42 36 00-0143	LF	6" Wide, Stainless Steel Bar, Modular Trench Drain Grate.....	1,072.83		3.32
33 42 36 00-0144	LF	6" Wide, Heel Proof Polyethylene, Modular Trench Drain Grate	143.12		3.32
33 42 36 00-0145	LF	6" Wide, Fiberglass, Modular Trench Drain Grate	309.88		3.32
33 42 36 00-0146		12" Wide, Modular Trench Drain Grates (33 42 36 00-0118)			
33 42 36 00-0147	LF	12" Wide, Black Acid Resistant Coated Ductile Iron, Modular Trench Drain Grate.....	568.93		3.60
33 42 36 00-0148	LF	12" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate	543.91		3.60
33 42 36 00-0149	LF	12" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate.....	473.04		3.60
33 42 36 00-0150	LF	12" Wide, Heel Proof Ductile Iron, Modular Trench Drain Grate	497.01		3.60
33 42 36 00-0151	LF	12" Wide, Perforated Galvanized Steel, Modular Trench Drain Grate	429.26		3.60
33 42 36 00-0152	LF	12" Wide, Reinforced Galvanized Steel Slotted, Modular Trench Drain Grate	840.96		3.60
33 42 36 00-0153	LF	12" Wide, Reinforced Perforated Galvanized Steel, Modular Trench Drain Grate.....	840.96		3.60
33 42 36 00-0154	LF	12" Wide, Fabricated Stainless Steel Slotted, Modular Trench Drain Grate	1,073.39		3.60
33 42 36 00-0155	LF	12" Wide, Perforated Stainless Steel, Modular Trench Drain Grate	1,073.39		3.60
33 42 36 00-0156	LF	12" Wide, Reinforced Stainless Steel Slotted, Modular Trench Drain Grate	1,370.44		3.60
33 42 36 00-0157	LF	12" Wide, Reinforced Perforated Stainless Steel Slotted, Modular Trench Drain Grate	1,370.44		3.60
33 42 36 00-0158	LF	12" Wide, Stainless Steel Cast Bar, Modular Trench Drain Grate	1,300.61		3.60
33 42 36 00-0159	LF	12" Wide, Fiberglass, Modular Trench Drain Grate	613.75		3.60
33 42 36 00-0160		23" Wide, Modular Trench Drain Grates (33 42 36 00-0118)			
33 42 36 00-0161	LF	23" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate	898.85		3.89
33 42 36 00-0162	LF	23" Wide, Ductile Iron Slotted, Modular Trench Drain Grate.....	757.10		3.89
33 42 36 00-0163	LF	23" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate.....	1,174.01		3.89
33 42 36 00-0164	LF	23" Wide, Heel Proof Longitudinal Ductile Iron, Modular Trench Drain Grate.....	869.66		3.89
33 44		Storm Utility Water Drains (33 40)			
33 44 36		Oil and Stormwater Separators (33 44)			
33 44 36 00-0001		Oil/Water Separator (33 44 36)			
		Note: Complete with internal sensors and detectors.			
33 44 36 00-0002		Coalescing Oil Water Separator (33 44 36 00-0001)			
		Note: Underground tank with interior polyurethane coating. Includes manways, coalescer, inlet and outlet spools, pump mount, 2" level sensor pipe and 4" pump out pipe. HighGuard as manufactured by Highland Tank, Stoystown, PA.			
33 44 36 00-0003		Single Wall Steel Coalescing Oil Water Separator (33 44 36 00-0002)			
33 44 36 00-0004	EA	550 Gallon, 55 GPM Single Wall Steel Coalescing Oil Water Separator With Manways	19,642.25		
		Note: HTC-G 550. 3'-6" diameter x 10'-9" long tank.			
		For Interior Polyurethane Coating, Add			711.00

33 Utilities**33 40 Stormwater Utilities****33 44 Storm Utility Water Drains**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 44 36 00-0005	EA	1,000 Gallon, 100 GPM Single Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 1000. 4' diameter x 14' long tank.	24,020.54	
		<i>For Interior Polyurethane Coating, Add</i>	893.70	
33 44 36 00-0006	EA	2,000 Gallon, 200 GPM Single Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 2000. 5'-4" diameter x 15' long tank.	28,754.90	
		<i>For Interior Polyurethane Coating, Add</i>	1,340.10	

33 44 36 00-0007 Double Wall Steel Coalescing Oil Water Separator (33 44 36 00-0002)

33 44 36 00-0008	EA	550 Gallon, 55 GPM Double Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 550. 3'-6" diameter x 10'-9" long tank.	30,479.32	
		<i>For Interior Polyurethane Coating, Add</i>	711.00	
33 44 36 00-0009	EA	1,000 Gallon, 100 GPM Double Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 1000. 4' diameter x 14' long tank.	35,048.85	
		<i>For Interior Polyurethane Coating, Add</i>	893.70	
33 44 36 00-0010	EA	2,000 Gallon, 200 GPM Double Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 2000. 5'-4" diameter x 15' long tank.	42,788.50	
		<i>For Interior Polyurethane Coating, Add</i>	1,340.10	
33 44 36 00-0011	EA	3,000 Gallon, 300 GPM Double Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 3000. 5'-4" diameter x 21'-4" long tank.	49,792.59	
		<i>For Interior Polyurethane Coating, Add</i>	1,550.70	
33 44 36 00-0012	EA	5,000 Gallon, 500 GPM Double Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 5000. 6' diameter x 28'-8" long tank.	66,100.12	
		<i>For Interior Polyurethane Coating, Add</i>	2,057.80	

33 44 36 00-0013 Accessories For Coalescing Oil Water Separators (33 44 36 00-0002)

33 44 36 00-0014	EA	Single Channel Alarm Panel For Coalescing Oil Water Separator Note: HTAP1.	1,198.73	
33 44 36 00-0015	EA	Two Channel Alarm Panel For Coalescing Oil Water Separator Note: HTAP2.	1,632.29	
33 44 36 00-0016	EA	Float Interface Sensor For Coalescing Oil Water Separator Note: Required for UL 2215 label.	974.24	
33 44 36 00-0017	EA	1-1/2" Liquid Only Sensor For Coalescing Oil Water Separator Note: Required for UL 2215 label.	717.18	
33 44 36 00-0018	EA	Polyvinyl Chloride (PVC) Cap For 2" Sensor For Coalescing Oil Water Separator Note: Required for UL 2215 label.	235.19	
33 44 36 00-0019	EA	550, 1,000 Or 2,000 Gallon Tank Concrete Deadmen Set (2 Each) For Coalescing Oil Water Separator	4,172.35	
33 44 36 00-0020	EA	3,000 Gallon Tank Concrete Deadmen Set (4 Each) For Coalescing Oil Water Separator	8,344.70	
33 44 36 00-0021	EA	5,000 Gallon Tank Concrete Deadmen Set (6 Each) For Coalescing Oil Water Separator	12,517.14	
33 44 36 00-0022	EA	550 Or 1,000 Gallon Tank Polyester Hold Down Straps (2 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	747.69	
33 44 36 00-0023	EA	2,000 Gallon Tank Polyester Hold Down Straps (2 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	884.79	
33 44 36 00-0024	EA	3,000 Gallon Tank Polyester Hold Down Straps (4 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	1,769.57	
33 44 36 00-0025	EA	5,000 Gallon Tank Polyester Hold Down Straps (6 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	3,939.67	
33 44 36 00-0026	EA	30" Diameter Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	1,069.02	
33 44 36 00-0027	EA	36" Diameter Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	1,394.90	
33 44 36 00-0028	EA	48" Diameter Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	1,935.00	
33 44 36 00-0029	EA	54" x 54" Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	3,537.36	
33 44 36 00-0030	EA	66" x 54" Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	4,552.75	
33 44 36 00-0031	EA	66" x 66" Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	5,718.09	
33 44 36 00-0032	EA	78" x 66" Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	7,213.34	
33 44 36 00-0033	EA	550 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator	1,428.83	
33 44 36 00-0034	EA	1,000 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator	1,741.59	
33 44 36 00-0035	EA	2,000 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator	2,735.56	
33 44 36 00-0036	EA	550 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator	1,362.43	
33 44 36 00-0037	EA	1,000 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator	1,653.76	
33 44 36 00-0038	EA	2,000 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator	1,963.24	
33 44 36 00-0039	EA	18" Manhole Gasket (Material Only) For Coalescing Oil Water Separator	115.68	
33 44 36 00-0040	EA	24" Manhole Gasket (Material Only) For Coalescing Oil Water Separator	130.67	

33 44 36 00-0041 Oil Skimmers (33 44 36)**33 44 36 00-0042 Oil Skimmers, 12" And 24" Models (33 44 36 00-0041)**

33 44 36 00-0043	EA	Oil Skimmers, TENV, 12" Open, 1/2 HP, 230/460 Volt, 3 Phase	5,222.39	686.63
33 44 36 00-0044	EA	Oil Skimmers, Explosion-Proof, 12" Open, 1/2 HP, 230/460 Volt, 3 Phase	5,458.19	686.63
33 44 36 00-0045	EA	Oil Skimmers, TENV, 12" Open, 1/2 HP, 115/220 Volt, 1 Phase	5,244.23	686.63
33 44 36 00-0046	EA	Oil Skimmers, Explosion-Proof, 12" Open, 1/2 HP, 115/220 Volt, 1 Phase	5,546.61	686.63
33 44 36 00-0047	EA	Oil Skimmers, TENV, 12" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	5,492.03	686.63
33 44 36 00-0048	EA	Oil Skimmers, Explosion-Proof, 12" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	5,691.80	686.63
33 44 36 00-0049	EA	Oil Skimmers, TENV, 12" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	5,543.33	686.63
33 44 36 00-0050	EA	Oil Skimmers, Explosion-Proof, 12" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	5,844.63	686.63
33 44 36 00-0051	EA	Oil Skimmers, TENV, 24" Open, 1/2 HP, 230/460 Volt, 3 Phase	5,933.70	915.71
33 44 36 00-0052	EA	Oil Skimmers, Explosion-Proof, 24" Open, 1/2 HP, 230/460 Volt, 3 Phase	6,185.87	915.71
33 44 36 00-0053	EA	Oil Skimmers, TENV, 24" Open, 1/2 HP, 115/220 Volt, 1 Phase	6,000.29	915.71
33 44 36 00-0054	EA	Oil Skimmers, Explosion-Proof, 24" Open, 1/2 HP, 115/220 Volt, 1 Phase	6,362.72	915.71

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 44 36 00-0055	EA	Oil Skimmers, TENV, 24" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	6,571.22	915.71
33 44 36 00-0056	EA	Oil Skimmers, Explosion-Proof, 24" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	6,823.39	915.71
33 44 36 00-0057	EA	Oil Skimmers, TENV, 24" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	6,624.71	915.71
33 44 36 00-0058	EA	Oil Skimmers, Explosion-Proof, 24" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	6,988.23	915.71
33 44 36 00-0059		Oil Skimmers, Add-Ons (33 44 36 00-0041)		
33 44 36 00-0060	LF	Add For Belt Projection, 12" Width	16.37	
33 44 36 00-0061	LF	Add For Belt Projection, 24" Width	30.57	
33 44 36 00-0062	LF	Add For Spacer Stands, 12" Models	275.98	
33 44 36 00-0063	LF	Add For Spacer Stands, 24" Models	324.01	
33 44 36 00-0064		Inclined Plate Hydrodynamic Separator (33 44 36)		
Note: Includes precast base, riser and lid slab, aluminum incline plate assembly, sludge dispersion manifold, oil sorbent booms, two manhole frames and covers, and joint sealer. Terre Kleen as manufactured by Terre Hill Storm Water Systems, Terre Hill, PA.				
33 44 36 00-0065	EA	4'-6" x 6'-0" x 8'-10" Inclined Plate Hydrodynamic Separator (Terre Hill TK09)	47,212.67	
		For Each VLF Of Riser, Add	450.00	
33 44 36 00-0066	EA	6'-6" x 6'-0" x 8'-10" Inclined Plate Hydrodynamic Separator (Terre Hill TK18)	73,394.87	
		For Each VLF Of Riser, Add	525.00	
33 44 36 00-0067	EA	8'-6" x 6'-0" x 8'-10" Inclined Plate Hydrodynamic Separator (Terre Hill TK27)	87,676.07	
		For Each VLF Or Riser, Add	600.00	
33 46		Stormwater Management (33 40)		
33 46 23		Modular Buried Stormwater Storage Units (33 46)		
33 46 23 00-0001		Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™) (33 46 23)		
Note: Includes chambers and end caps delivery to site. Excludes excavation and earthwork, foundation stone, embedment and perimeter stone, geotextile fabrics and cutting holes in chambers. See CSI section 31 05 16 00-0000 for aggregate (foundation, embedment and perimeter stone), 31 23 16 36-0000 for excavation and earth backfill, 31 32 19 16-0000 for woven and non-woven geotextile fabric.				
33 46 23 00-0002		85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740) (33 46 23 00-0001)		
33 46 23 00-0003	EA	Up To 10, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740)	599.57	
33 46 23 00-0004	EA	>10 To 20, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740)	554.19	
33 46 23 00-0005	EA	>20 To 30, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740)	521.00	
33 46 23 00-0006	EA	>30, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740)	488.90	
33 46 23 00-0007	EA	Up To 10, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-740)	245.12	
33 46 23 00-0008	EA	>10 To 20, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-740)	217.46	
33 46 23 00-0009	EA	>20 To 30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-740)	201.11	
33 46 23 00-0010	EA	>30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-740)	185.01	
33 46 23 00-0011		85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310) (33 46 23 00-0001)		
33 46 23 00-0012	EA	Up To 10, 85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310)	339.05	
33 46 23 00-0013	EA	>10 To 20, 85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310)	311.13	
33 46 23 00-0014	EA	>20 To 30, 85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310)	291.46	
33 46 23 00-0015	EA	>30, 85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310)	273.42	
33 46 23 00-0016	EA	Up To 10, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-310)	191.12	
33 46 23 00-0017	EA	>10 To 20, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-310)	170.59	
33 46 23 00-0018	EA	>20 To 30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-310)	157.92	
33 46 23 00-0019	EA	>30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-310)	146.56	
33 46 23 00-0020		90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500) (33 46 23 00-0001)		
33 46 23 00-0021	EA	Up To 10, 90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500)	1,025.26	
33 46 23 00-0022	EA	>10 To 20, 90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500)	956.70	
33 46 23 00-0023	EA	>20 To 30, 90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500)	901.30	
33 46 23 00-0024	EA	>30, 90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500)	850.75	
33 46 23 00-0025	EA	Up To 10, 25.7" Long x 75" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC3500)	862.20	
33 46 23 00-0026	EA	>10 To 20, 25.7" Long x 75" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC3500)	801.77	
33 46 23 00-0027	EA	>20 To 30, 25.7" Long x 75" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC3500)	754.13	
33 46 23 00-0028	EA	>30, 25.7" Long x 75" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC3500)	710.93	

33	33 Utilities
	33 40 Stormwater Utilities
	33 46 Stormwater Management

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 46 23 00-0029			85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780) (33 46 23 00-0001)		
33 46 23 00-0030	EA		Up To 10, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780).....	622.95	
33 46 23 00-0031	EA		>10 To 20, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780).....	576.42	
33 46 23 00-0032	EA		>20 To 30, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780).....	542.11	
33 46 23 00-0033	EA		>30, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780).....	508.94	
33 46 23 00-0034	EA		Up To 10, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ DC-780).....	245.12	
33 46 23 00-0035	EA		>10 To 20, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ DC-780).....	213.04	
33 46 23 00-0036	EA		>20 To 30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ DC-780).....	201.11	
33 46 23 00-0037	EA		>30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ DC-780).....	185.01	

33 46 23 00-0038			52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500) (33 46 23 00-0001)		
33 46 23 00-0039	EA		Up To 10, 52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500).....	1,065.11	
33 46 23 00-0040	EA		>10 To 20, 52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500).....	992.64	
33 46 23 00-0041	EA		>20 To 30, 52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500).....	933.38	
33 46 23 00-0042	EA		>30, 52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500).....	881.77	
33 46 23 00-0043	EA		Up To 10, 35.1" Long x 90.2" Wide x 59.4" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC4500).....	1,329.11	
33 46 23 00-0044	EA		>10 To 20, 35.1" Long x 90.2" Wide x 59.4" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC4500).....	1,243.43	
33 46 23 00-0045	EA		>20 To 30, 35.1" Long x 90.2" Wide x 59.4" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC4500).....	1,171.64	
33 46 23 00-0046	EA		>30, 35.1" Long x 90.2" Wide x 59.4" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC4500).....	1,108.12	

33 46 23 00-0047			Cut Opening In Polypropylene Corrugated Wall Stormwater Collection Chambers (33 46 23 00-0001)		
33 46 23 00-0048	EA		Cut Up To 6" Diameter Opening, Polypropylene Corrugated Wall Stormwater Collection Chamber Or End Cap.....	62.02	
33 46 23 00-0049	EA		Cut >6" To 12" Diameter Opening, Polypropylene Corrugated Wall Stormwater Collection Chamber Or End Cap.....	78.72	
33 46 23 00-0050	EA		Cut >12" To 24" Diameter Opening, Polypropylene Corrugated Wall Stormwater Collection Chamber Or End Cap.....	102.88	
33 46 23 00-0051	EA		Cut >24" To 36" Diameter Opening, Polypropylene Corrugated Wall Stormwater Collection Chamber Or End Cap.....	129.97	
33 46 23 00-0052	EA		12" x 6" Inspection Port Kit.....	755.64	
			Note: (2712AG6IPKIT)		

33 46 53 Stormwater Leaching Pits (33 46)

33 46 53 00-0001			Drainage Wells (33 46 53) Note: Includes augering hole.		
33 46 53 00-0002	LF		12" Diameter Drainage Well With Corrugated Metal Liner.....	33.41	
33 46 53 00-0003	LF		18" Diameter Drainage Well With Corrugated Metal Liner.....	41.17	
33 46 53 00-0004	LF		24" Diameter Drainage Well With Corrugated Metal Liner.....	55.68	

33 50 Hydrocarbon Utilities (33)

33 52 Hydrocarbon Transmission and Distribution (33 50)

33 52 16 Gas Hydrocarbon Piping (33 52)

33 52 16 13 Steel Natural Gas Piping (33 52 16) See CSI section 23 05 23 00-0000 for gas valves.

33 52 16 13-0001			Gas Distribution Lines (33 52 16 13) Note: Excludes excavation and backfill.		
33 52 16 13-0002			Steel, Schedule 40, Plain End, Coal Tar Enamel And Wrapped (33 52 16 13-0001)		
33 52 16 13-0003	LF		1/2" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	29.16	3.03
33 52 16 13-0004	LF		3/4" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	34.14	3.33
33 52 16 13-0005	LF		1" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	40.40	3.42
33 52 16 13-0006	LF		1-1/4" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	41.43	3.51
33 52 16 13-0007	LF		1-1/2" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	43.28	3.55
33 52 16 13-0008	LF		2" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	45.72	3.81
33 52 16 13-0009	LF		2-1/2" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	66.38	4.47
33 52 16 13-0010	LF		3" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	82.54	5.64
33 52 16 13-0011	LF		4" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	113.89	6.81
33 52 16 13-0012	LF		5" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	158.18	7.90
33 52 16 13-0013	LF		6" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	199.82	9.65
33 52 16 13-0014	LF		8" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	296.27	12.42

33 52 16 13-0015			Gas Line Taps (33 52 16 13-0001) Note: Includes material to tap into main and gas valve.		
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33 52 16 13-0016 Polyethylene, 60 PSI (33 52 16 13-0015)					
33 52 16 13-0017	EA		2" Polyethylene Hot Tap, With Valve	4,664.54	
33 52 16 13-0018	EA		2-1/2" Polyethylene Hot Tap, With Valve	3,200.63	
33 52 16 13-0019	EA		3" Polyethylene Hot Tap, With Valve	3,354.93	
33 52 16 13-0020	EA		4" Polyethylene Hot Tap, With Valve	8,084.05	
33 52 16 13-0021	EA		6" Polyethylene Hot Tap, With Valve	12,682.06	

33 52 16 13-0022 Steel, Schedule 40 (33 52 16 13-0015)					
Note: For punch steel service tee.					
33 52 16 13-0023	EA		1/2" Iron Pipe Size Weld Base, 1/2" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	3,407.21	
33 52 16 13-0024	EA		3/4" Iron Pipe Size Weld Base, 1/2" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	3,465.04	
33 52 16 13-0025	EA		3/4" Iron Pipe Size Weld Base, 3/4" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	3,540.77	
33 52 16 13-0026	EA		3/4" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	3,614.41	
33 52 16 13-0027	EA		1" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	3,672.08	
33 52 16 13-0028	EA		1-1/4" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	4,002.09	
33 52 16 13-0029	EA		1-1/4" Iron Pipe Size Weld Base, 1-1/4" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	4,098.96	

33 52 16 13-0030 Protective Pipe And Fitting Wrap (33 52 16 13-0001)
Note: Includes cleaning and priming pipe.

33 52 16 13-0031 Corrosion Protection Pipe Wrap For Pipe (33 52 16 13-0030)					
Note: Field applied.					
33 52 16 13-0032	LF		1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	3.77	
33 52 16 13-0033	LF		3/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	3.97	
33 52 16 13-0034	LF		1" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	4.21	
33 52 16 13-0035	LF		1-1/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	4.72	
33 52 16 13-0036	LF		1-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	5.06	
33 52 16 13-0037	LF		2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	5.82	
33 52 16 13-0038	LF		2-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	7.07	
33 52 16 13-0039	LF		3" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	8.74	
33 52 16 13-0040	LF		4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	11.01	
33 52 16 13-0041	LF		6" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	14.60	

33 52 16 13-0042 Corrosion Resistance Wrap And Coat - Fittings (33 52 16 13-0030)
Note: Field applied.

33 52 16 13-0043	EA		1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	21.19	
33 52 16 13-0044	EA		3/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	21.19	
33 52 16 13-0045	EA		1" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	26.16	
33 52 16 13-0046	EA		1-1/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	29.47	
33 52 16 13-0047	EA		1-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	29.47	
33 52 16 13-0048	EA		2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	34.89	
33 52 16 13-0049	EA		2-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	46.59	
33 52 16 13-0050	EA		3" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	63.69	
33 52 16 13-0051	EA		4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	64.43	
33 52 16 13-0052	EA		6" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	74.15	

33 52 16 13-0053 Service Fittings (33 52 16 13-0001)

33 52 16 13-0054 Brass Fittings (33 52 16 13-0053)					
33 52 16 13-0055	EA		1/2" X 2" Long Nipples, Threaded Both Ends, Brass	40.33	
33 52 16 13-0056	EA		3/4" X 2" Long Nipples, Threaded Both Ends, Brass	47.04	
33 52 16 13-0057	EA		1" X 2" Long Nipples, Threaded Both Ends, Brass	59.96	
33 52 16 13-0058	EA		1-1/4" X 2" Long Nipples, Threaded Both Ends, Brass	74.86	
33 52 16 13-0059	EA		1-1/2" X 2" Long Nipples, Threaded Both Ends, Brass	84.20	
33 52 16 13-0060	EA		2" X 2" Long Nipples, Threaded Both Ends, Brass	110.49	
33 52 16 13-0061	EA		1/2" 90 Degree Elbow, Brass	34.19	
33 52 16 13-0062	EA		3/4" 90 Degree Elbow, Brass	39.39	
33 52 16 13-0063	EA		1" 90 Degree Elbow, Brass	51.29	
33 52 16 13-0064	EA		1-1/4" 90 Degree Elbow, Brass	66.62	
33 52 16 13-0065	EA		1-1/2" 90 Degree Elbow, Brass	76.30	
33 52 16 13-0066	EA		2" 90 Degree Elbow, Brass	102.51	
33 52 16 13-0067	EA		1/2" Diameter Chrome Plated Nipple	28.30	
33 52 16 13-0068	EA		3/4" Diameter Chrome Plated Nipple	36.46	
33 52 16 13-0069	EA		1" Diameter Chrome Plated Nipple	47.50	
33 52 16 13-0070	EA		1-1/4" Diameter Chrome Plated Nipple	67.70	
33 52 16 13-0071	EA		1-1/2" Diameter Chrome Plated Nipple	82.12	
33 52 16 13-0072	EA		2" Diameter Chrome Plated Nipple	110.78	

33 52 16 13-0073 Anodless Gas Riser (33 52 16 13-0053)

33 52 16 13-0074	EA		3/4" Anodless Gas Riser	102.95	
33 52 16 13-0075	EA		1" Anodless Gas Riser	127.62	
33 52 16 13-0076	EA		1-1/4" Anodless Gas Riser	150.25	
33 52 16 13-0077	EA		1-1/2" Anodless Gas Riser	189.06	
33 52 16 13-0078	EA		2" Anodless Gas Riser	217.67	

33 Utilities**33 50 Hydrocarbon Utilities****33 52 Hydrocarbon Transmission and Distribution**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
33 52 16 13-0079 Brass Service Adapter (33 52 16 13-0053)

33 52 16 13-0080	EA	1/2" Brass Service Adapter	75.00	
33 52 16 13-0081	EA	3/4" Brass Service Adapter	82.53	
33 52 16 13-0082	EA	1" Brass Service Adapter	99.07	
33 52 16 13-0083	EA	1-1/4" Brass Service Adapter	120.59	
33 52 16 13-0084	EA	1-1/2" Brass Service Adapter	145.19	
33 52 16 13-0085	EA	2" Brass Service Adapter	175.04	
33 52 16 13-0086	EA	2-1/2" Brass Service Adapter	278.77	
33 52 16 13-0087	EA	3" Brass Service Adapter	340.35	
33 52 16 13-0088	EA	4" Brass Service Adapter	489.16	

33 52 16 23 Medium Density Polyethylene Piping for Natural Gas (33 52 16)**33 52 16 23-0001 Medium Density Polyethylene (MDPE) Gas Distribution Piping** (33 52 16 23)

Note: PE2406/PE2708. Includes couplings, #12 tracer wire, helically wrapped around piping.

33 52 16 23-0002	LF	1/2" Diameter, SDR 9, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	4.35	1.89
		For Colors, Add	0.06	
33 52 16 23-0003	LF	3/4" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	4.84	2.03
		For SDR 13.5, Deduct	-0.13	
		For Colors, Add	0.08	
33 52 16 23-0004	LF	1" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	5.34	2.17
		For SDR 13.5, Deduct	-0.15	
		For Colors, Add	0.10	
33 52 16 23-0005	LF	1-1/4" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	5.87	2.30
		For SDR 13.5, Deduct	-0.18	
		For Colors, Add	0.12	
33 52 16 23-0006	LF	1-1/2" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	6.79	2.77
		For SDR 13.5, Deduct	-0.26	
		For Colors, Add	0.17	
33 52 16 23-0007	LF	2" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	7.70	3.01
		For SDR 13.5, Deduct	-0.34	
		For SDR 15.5, Deduct	-0.63	
		For Colors, Add	0.22	
33 52 16 23-0008	LF	2-1/2" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	9.81	3.53
		For SDR 13.5, Deduct	-0.57	
		For SDR 15.5, Deduct	-1.05	
		For Colors, Add	0.37	
33 52 16 23-0009	LF	3" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	12.04	4.20
		For SDR 13.5, Deduct	-0.78	
		For SDR 15.5, Deduct	-1.44	
		For Colors, Add	0.50	
33 52 16 23-0010	LF	4" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	19.43	4.73
		For SDR 13.5, Deduct	-1.44	
		For SDR 15.5, Deduct	-2.65	
		For Colors, Add	0.93	
33 52 16 23-0011	LF	5" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	24.71	4.73
		For SDR 13.5, Deduct	-2.00	
		For SDR 15.5, Deduct	-3.68	
		For Colors, Add	1.29	
33 52 16 23-0012	LF	6" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	30.11	4.73
		For SDR 13.5, Deduct	-2.56	
		For SDR 15.5, Deduct	-4.71	
		For Colors, Add	1.65	
33 52 16 23-0013	LF	8" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	45.03	5.90
		For SDR 13.5, Deduct	-4.27	
		For SDR 15.5, Deduct	-7.84	
		For Colors, Add	2.75	

33 52 16 26 High-Density Polyethylene (HDPE) Piping for Natural Gas (33 52 16)**33 52 16 26-0001 High-Density Polyethylene (HDPE) Gas Distribution Piping** (33 52 16 26)

Note: ASTM F2619, ASTM D2513, API 15 LE. Includes couplings, #12 tracer wire, helically wrapped around piping.

33 52 16 26-0002	LF	1/2" Diameter, SDR 9 High-Density Polyethylene (HDPE) Gas Distribution Pipe	4.42	1.89
33 52 16 26-0003	LF	3/4" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	4.95	2.03
		For SDR 13.5, Deduct	-0.14	
33 52 16 26-0004	LF	1" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	5.45	2.17
		For SDR 13.5, Deduct	-0.17	
33 52 16 26-0005	LF	1-1/4" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	6.02	2.30
		For SDR 13.5, Deduct	-0.20	
33 52 16 26-0006	LF	1-1/2" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	7.00	2.77
		For SDR 13.5, Deduct	-0.29	
33 52 16 26-0007	LF	2" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	7.98	3.01
		For SDR 13.5, Deduct	-0.38	
		For SDR 15.5, Deduct	-0.70	
		For SDR 17, Deduct	-1.01	
33 52 16 26-0008	LF	2-1/2" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	10.27	3.53
		For SDR 13.5, Deduct	-0.63	
		For SDR 15.5, Deduct	-1.16	
		For SDR 17, Deduct	-1.68	
33 52 16 26-0009	LF	3" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	12.67	4.20
		For SDR 13.5, Deduct	-0.86	
		For SDR 15.5, Deduct	-1.58	
		For SDR 17, Deduct	-2.29	
		For SDR 21, Deduct	-3.14	

		Utilities	33	CS
		Hydrocarbon Utilities	33 50	
		Hydrocarbon Transmission and Distribution	33 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 52 16 26-0010	LF		4" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe.....	20.60	4.73
			For SDR 13.5, Deduct	-1.59	
			For SDR 15.5, Deduct	-2.92	
			For SDR 17, Deduct	-4.24	
			For SDR 21, Deduct	-5.80	
33 52 16 26-0011	LF		6" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe.....	32.18	4.73
			For SDR 13.5, Deduct	-2.82	
			For SDR 15.5, Deduct	-5.18	
			For SDR 17, Deduct	-7.52	
			For SDR 21, Deduct	-10.30	
33 52 16 26-0012	LF		8" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe.....	48.47	5.90
			For SDR 13.5, Deduct	-4.69	
			For SDR 15.5, Deduct	-8.63	
			For SDR 17, Deduct	-12.53	
			For SDR 21, Deduct	-17.14	

33 53 Hydrocarbon Utility Pressure Regulation (33 50)

33 53 16 Gas Hydrocarbon Pressure Regulation (33 53)

33 53 16 00-0001 Gas Pressure Regulators With Screwed And Flanged Ends (33 53 16)

33 53 16 00-0002	EA		3/4" Gas Pressure Regulator, Screwed End.....	283.65	19.89
33 53 16 00-0003	EA		1" Gas Pressure Regulator, Screwed End.....	288.16	19.89
33 53 16 00-0004	EA		1-1/4" Gas Pressure Regulator, Screwed End.....	298.99	23.61
33 53 16 00-0005	EA		1-1/2" Gas Pressure Regulator, Screwed End.....	1,049.16	27.33
33 53 16 00-0006	EA		2" Gas Pressure Regulator, Screwed End.....	1,106.23	42.34
33 53 16 00-0007	EA		3" Gas Pressure Regulator, Screwed End.....	3,126.10	94.97
33 53 16 00-0008	EA		4" Gas Pressure Regulator, Screwed End.....	4,351.03	125.86

33 56 Hydrocarbon Storage (33 50)

33 56 13 Aboveground Hydrocarbon Storage Tanks (33 56)

See CSI section 23 13 23 00-0000 for aboveground storage tanks.

33 56 33 Underground Hydrocarbon Storage (33 56)

See CSI section 23 13 13 00-0000 for underground storage tanks.

33 59 Hydrocarbon Utility Metering (33 50)

33 59 11 Diaphragm/Bellows Hydrocarbons Meters (33 59)

33 59 11 00-0001 Diaphragm Meters (33 59 11)

Note: With standard direct-digital reading maximum working pressures 5 lb to 100 lb, threaded connections.
Excludes pressure and temperature compensation.

33 59 11 00-0002	EA		250 CF/Hour Gas Diaphragm Meter At 5 Lb., Direct Digital, Threaded	666.95	77.81
			For Temperature And Pressure Compensation, Add	8.40	
			For Pulsers, Add	26.50	
33 59 11 00-0003	EA		425 CF/Hour Gas Diaphragm Meter At 10 Lb., Direct Digital, Threaded	1,341.52	119.00
			For Temperature And Pressure Compensation, Add	8.40	
			For Pulsers, Add	26.50	
33 59 11 00-0004	EA		425 CF/Hour Gas Diaphragm Meter At 25 Lb., Direct Digital, Threaded	1,597.02	119.00
			For Temperature And Pressure Compensation, Add	8.40	
			For Pulsers, Add	26.50	
33 59 11 00-0005	EA		800 CF/Hour Gas Diaphragm Meter At 20 Lb., Direct Digital, Threaded	3,600.94	148.74
			For Temperature And Pressure Compensation, Add	8.40	
			For Pulsers, Add	26.50	
33 59 11 00-0006	EA		1,000 CF/Hour Gas Diaphragm Meter At 25 Lb., Direct Digital, Threaded	4,057.06	183.07
			For Temperature And Pressure Compensation, Add	8.40	
			For Pulsers, Add	26.50	
33 59 11 00-0007	EA		800 CF/Hour Gas Diaphragm Meter At 100 Lb., Direct Digital, Threaded	5,426.58	148.74
			For Temperature And Pressure Compensation, Add	8.40	
			For Pulsers, Add	26.50	
33 59 11 00-0008	EA		1,000 CF/Hour Gas Diaphragm Meter At 100 Lb., Direct Digital, Threaded	6,021.65	183.07
			For Temperature And Pressure Compensation, Add	8.40	
			For Pulsers, Add	26.50	
33 59 11 00-0009	EA		1,400 CF/Hour Gas Diaphragm Meter At 100 Lb., Direct Digital, Threaded	7,992.37	194.52
			For Temperature And Pressure Compensation, Add	8.40	
			For Pulsers, Add	26.50	
33 59 11 00-0010	EA		2,300 CF/Hour Gas Diaphragm Meter At 100 Lb., Direct Digital, Threaded	11,348.18	228.84
			For Temperature And Pressure Compensation, Add	8.40	
			For Pulsers, Add	26.50	
33 59 11 00-0011	EA		5,000 CF/Hour Gas Diaphragm Meter At 100 Lb., Direct Digital, Threaded	17,305.00	377.59
			For Temperature And Pressure Compensation, Add	8.40	
			For Pulsers, Add	26.50	

33 59 16 Hydrocarbons Turbine Meters (33 59)

33 59 16 00-0001 Gas Turbine Meters With Direct-Digital Reading (33 59 16)

Note: Maximum working pressure 175 PSI, flanged end connections.

33 59 16 00-0002	EA		4", 18,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged	13,779.50	395.96
33 59 16 00-0003	EA		6", 30,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged	15,040.29	459.83
33 59 16 00-0004	EA		8", 60,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged	23,336.67	494.39
33 59 16 00-0005	EA		10", 90,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged	45,473.50	601.86
33 59 16 00-0006	EA		12", 150,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged	74,617.72	752.32

33	33 Utilities
	33 60 Hydronic and Steam Energy Utilities
	33 59 Hydrocarbon Utility Metering

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 60 Hydronic and Steam Energy Utilities ⁽³³⁾

33 61 Hydronic Energy Distribution ^(33 60)

33 61 13 Buried Hydronic Energy Distribution ^(33 61)

33 61 13 00-0001	LF	Prefabricated/Preinsulated Pipe ^(33 61 13) Note: Includes coupling per full length of pipe. Insulation and jacketing sealed for seamless system including all fittings. Excludes excavation and backfill. See CSI section 23 01 20 91-0041 for purging of existing system.			
33 61 13 00-0002	LF	Preinsulated Schedule 40 Black Steel Pipe ^(33 61 13 00-0001) Note: With polyurethane insulation and non-metallic casing. Excludes excavation or backfill.			
33 61 13 00-0003	LF	Standard Black Steel Carrier Pipe ^(33 61 13 00-0002) Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.			
33 61 13 00-0004	LF	3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High-Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	184.38 3.15 31.48		20.26
33 61 13 00-0005	LF	1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High-Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	202.22 3.46 34.61		21.86
33 61 13 00-0006	LF	1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High-Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	225.89 3.90 38.99		23.22
33 61 13 00-0007	LF	1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High-Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	241.91 4.18 41.84		24.52
33 61 13 00-0008	LF	2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High-Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	253.42 4.37 43.74		26.02
33 61 13 00-0009	LF	2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High-Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	280.64 4.75 47.55		32.18
33 61 13 00-0010	LF	3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High-Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	309.12 5.14 51.35		39.27
33 61 13 00-0011	LF	4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High-Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	390.00 6.47 64.66		50.01
33 61 13 00-0012	LF	5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High-Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	495.33 8.27 82.73		61.26
33 61 13 00-0013	LF	6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High-Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	575.92 9.60 96.05		71.76
33 61 13 00-0014	LF	8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High-Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	814.56 13.98 139.79		86.72
33 61 13 00-0015	LF	10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High-Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	1,060.00 18.45 184.48		103.18
33 61 13 00-0016	LF	12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High-Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	1,319.96 23.01 230.13		126.99
33 61 13 00-0017	LF	Standard Black Steel Carrier Pipe ^(33 61 13 00-0002) Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.			
33 61 13 00-0018	LF	3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High-Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	200.12 3.46 34.62		20.26
33 61 13 00-0019	LF	1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High-Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	219.53 3.81 38.08		21.86
33 61 13 00-0020	LF	1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High-Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	245.39 4.29 42.89		23.22
33 61 13 00-0021	LF	1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High-Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	262.83 4.60 46.03		24.52

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0022	LF	2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High-Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	275.29 4.81 48.12	26.02
33 61 13 00-0023	LF	2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pip With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High-Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	304.41 5.23 52.30	32.18
33 61 13 00-0024	LF	3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High-Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	334.79 5.65 56.49	39.27
33 61 13 00-0025	LF	4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High-Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	422.33 7.11 71.13	50.01
33 61 13 00-0026	LF	5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High-Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	536.70 9.10 91.01	61.26
33 61 13 00-0027	LF	6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High-Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	623.94 10.57 105.65	71.76
33 61 13 00-0028	LF	8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High-Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	884.45 15.38 153.77	86.72
33 61 13 00-0029	LF	10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High-Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	1,152.24 20.29 202.93	103.18
33 61 13 00-0030	LF	12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High-Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	1,435.03 25.31 253.14	126.99
33 61 13 00-0031 Standard Black Steel Carrier Pipe (33 61 13 00-0002)				
Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.				
33 61 13 00-0032	LF	3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High-Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	207.99 3.62 36.20	20.26
33 61 13 00-0033	LF	1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High-Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	228.18 3.98 39.81	21.86
33 61 13 00-0034	LF	1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High-Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	255.14 4.48 44.84	23.22
33 61 13 00-0035	LF	1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High-Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	273.29 4.61 48.12	24.52
33 61 13 00-0036	LF	2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High-Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	286.23 5.03 50.31	26.02
33 61 13 00-0037	LF	2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High-Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	316.30 5.47 54.68	32.18
33 61 13 00-0038	LF	3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High-Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	347.63 5.91 59.05	39.27
33 61 13 00-0039	LF	4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High-Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	438.50 7.44 74.36	50.01
33 61 13 00-0040	LF	5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High-Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	557.38 9.51 95.14	61.26
33 61 13 00-0041	LF	6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High-Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	647.95 11.05 110.45	71.76
33 61 13 00-0042	LF	8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High-Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	919.40 16.08 160.76	86.72
33 61 13 00-0043	LF	10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High-Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	1,198.36 21.22 212.16	103.18

33 Utilities**33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 61 13 00-0044	LF	12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,492.56	126.99
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	26.46	
		<i>For Schedule 80 Pipe, Add</i>	264.65	

33 61 13 00-0045 Standard Black Steel Carrier Pipe (33 61 13 00-0002)

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0046	LF	3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	219.79	20.26
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	3.86	
		<i>For Schedule 80 Pipe, Add</i>	38.56	
33 61 13 00-0047	LF	1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	241.16	21.86
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	4.24	
		<i>For Schedule 80 Pipe, Add</i>	42.40	
33 61 13 00-0048	LF	1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	269.76	23.22
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	4.78	
		<i>For Schedule 80 Pipe, Add</i>	47.76	
33 61 13 00-0049	LF	1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	288.98	24.52
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	5.13	
		<i>For Schedule 80 Pipe, Add</i>	51.26	
33 61 13 00-0050	LF	2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	302.63	26.02
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	5.36	
		<i>For Schedule 80 Pipe, Add</i>	53.59	
33 61 13 00-0051	LF	2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	334.13	32.18
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	5.82	
		<i>For Schedule 80 Pipe, Add</i>	58.25	
33 61 13 00-0052	LF	3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	366.89	39.27
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	6.29	
		<i>For Schedule 80 Pipe, Add</i>	62.91	
33 61 13 00-0053	LF	4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	462.75	50.01
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	7.92	
		<i>For Schedule 80 Pipe, Add</i>	79.21	
33 61 13 00-0054	LF	5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	588.41	61.26
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	10.13	
		<i>For Schedule 80 Pipe, Add</i>	101.35	
33 61 13 00-0055	LF	6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	683.97	71.76
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	11.77	
		<i>For Schedule 80 Pipe, Add</i>	117.66	
33 61 13 00-0056	LF	8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	971.82	86.72
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	17.12	
		<i>For Schedule 80 Pipe, Add</i>	171.24	
33 61 13 00-0057	LF	10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,267.54	103.18
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	22.60	
		<i>For Schedule 80 Pipe, Add</i>	225.99	
33 61 13 00-0058	LF	12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,578.86	126.99
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	28.19	
		<i>For Schedule 80 Pipe, Add</i>	281.91	

33 61 13 00-0059 Preinsulated Black Steel Fittings (33 61 13 00-0001)

Note: No excavation or backfill.

33 61 13 00-0060 Elbows (33 61 13 00-0059)**33 61 13 00-0061 Elbows** (33 61 13 00-0060)

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0062	EA	3/4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,322.86	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	23.98	
33 61 13 00-0063	EA	1" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,360.64	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	24.54	
33 61 13 00-0064	EA	1-1/4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,554.19	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	27.93	
33 61 13 00-0065	EA	1-1/2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,716.22	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	30.46	
33 61 13 00-0066	EA	2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,876.19	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	31.73	
33 61 13 00-0067	EA	2-1/2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,073.48	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	33.00	
33 61 13 00-0068	EA	3" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,399.99	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	38.08	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0069	EA		4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,800.39	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	44.43	
33 61 13 00-0070	EA		5" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,475.76	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	57.12	
33 61 13 00-0071	EA		6" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,894.49	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	64.88	
33 61 13 00-0072	EA		8" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	5,558.06	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	93.79	
33 61 13 00-0073	EA		10" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	7,284.99	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	119.88	
33 61 13 00-0074	EA		12" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	9,483.15	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	158.67	
33 61 13 00-0075 Elbows (33 61 13 00-0069)					
Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.					
33 61 13 00-0076	EA		3/4" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,412.77	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	25.77	
33 61 13 00-0077	EA		1" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,452.67	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	26.38	
33 61 13 00-0078	EA		1-1/4" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,658.90	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	30.02	
33 61 13 00-0079	EA		1-1/2" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,830.46	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	32.75	
33 61 13 00-0080	EA		2" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,995.19	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	34.11	
33 61 13 00-0081	EA		2-1/2" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,197.24	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	35.48	
33 61 13 00-0082	EA		3" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,542.79	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	40.94	
33 61 13 00-0083	EA		4" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,966.98	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	47.76	
33 61 13 00-0084	EA		5" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,689.96	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	61.40	
33 61 13 00-0085	EA		6" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,137.78	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	69.74	
33 61 13 00-0086	EA		8" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	5,909.77	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	100.82	
33 61 13 00-0087	EA		10" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	7,734.54	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	128.87	
33 61 13 00-0088	EA		12" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	10,078.15	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	170.57	
33 61 13 00-0089 Elbows (33 61 13 00-0069)					
Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.					
33 61 13 00-0090	EA		3/4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,502.68	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	27.57	
33 61 13 00-0091	EA		1" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,544.69	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	28.22	
33 61 13 00-0092	EA		1-1/4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,763.62	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	32.11	
33 61 13 00-0093	EA		1-1/2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,944.70	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	35.03	
33 61 13 00-0094	EA		2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,114.19	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	36.49	
33 61 13 00-0095	EA		2-1/2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,321.00	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	37.95	
33 61 13 00-0096	EA		3" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,685.59	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	43.79	
33 61 13 00-0097	EA		4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,133.58	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	51.09	

33 Utilities**33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 61 13 00-0098	EA	5" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,904.15
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	65.69
33 61 13 00-0099	EA	6" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,381.06
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	74.61
33 61 13 00-0100	EA	8" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	6,261.49
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	107.86
33 61 13 00-0101	EA	10" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	8,184.09
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	137.86
33 61 13 00-0102	EA	12" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	10,673.14
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	182.47

33 61 13 00-0103 Elbows (33 61 13 00-0060)

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0104	EA	3/4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,592.59
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	29.37
33 61 13 00-0105	EA	1" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,636.72
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	30.06
33 61 13 00-0106	EA	1-1/4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,868.34
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	34.21
33 61 13 00-0107	EA	1-1/2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,058.94
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	37.32
33 61 13 00-0108	EA	2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,233.19
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	38.87
33 61 13 00-0109	EA	2-1/2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,444.76
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	40.43
33 61 13 00-0110	EA	3" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,828.39
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	46.65
33 61 13 00-0111	EA	4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,300.18
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	54.42
33 61 13 00-0112	EA	5" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,118.35
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	69.97
33 61 13 00-0113	EA	6" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,624.34
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	79.47
33 61 13 00-0114	EA	8" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	6,613.19
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	114.89
33 61 13 00-0115	EA	10" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	8,633.64
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	146.85
33 61 13 00-0116	EA	12" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	11,268.14
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	194.37

33 61 13 00-0117 Tees (33 61 13 00-0059)**33 61 13 00-0118 Tees** (33 61 13 00-0117)

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0119	EA	3/4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,966.23
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	35.60
33 61 13 00-0120	EA	1" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,022.37
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	36.44
33 61 13 00-0121	EA	1-1/4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,310.12
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	41.47
33 61 13 00-0122	EA	1-1/2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,551.23
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	45.24
33 61 13 00-0123	EA	2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,789.95
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	47.12
33 61 13 00-0124	EA	2-1/2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,084.70
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	49.01
33 61 13 00-0125	EA	3" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,571.42
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	56.55
33 61 13 00-0126	EA	4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,167.27
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	65.97

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 61 13 00-0127	EA		5" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	5,174.09	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	84.82	
33 61 13 00-0128	EA		6" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	5,793.97	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	96.34	
33 61 13 00-0129	EA		8" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	8,265.13	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	139.28	
33 61 13 00-0130	EA		10" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	10,839.85	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	178.02	
33 61 13 00-0131	EA		12" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	14,105.73	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	235.62	

33 61 13 00-0132 Tees (33 61 13 00-0117)

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.					
33 61 13 00-0133	EA		3/4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,099.74	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	38.27	
33 61 13 00-0134	EA		1" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,159.03	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	39.18	
33 61 13 00-0135	EA		1-1/4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,465.63	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	44.58	
33 61 13 00-0136	EA		1-1/2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,720.88	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	48.63	
33 61 13 00-0137	EA		2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,966.67	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	50.66	
33 61 13 00-0138	EA		2-1/2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,268.48	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	52.68	
33 61 13 00-0139	EA		3" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,783.47	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	60.79	
33 61 13 00-0140	EA		4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,414.67	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	70.92	
33 61 13 00-0141	EA		5" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	5,492.17	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	91.18	
33 61 13 00-0142	EA		6" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	6,155.25	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	103.57	
33 61 13 00-0143	EA		8" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	8,787.42	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	149.72	
33 61 13 00-0144	EA		10" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	11,507.43	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	191.37	
33 61 13 00-0145	EA		12" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	14,989.30	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	253.29	

33 61 13 00-0146 Tees (33 61 13 00-0117)

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.					
33 61 13 00-0147	EA		3/4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,233.26	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	40.95	
33 61 13 00-0148	EA		1" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,295.69	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	41.91	
33 61 13 00-0149	EA		1-1/4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,621.14	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	47.69	
33 61 13 00-0150	EA		1-1/2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,890.52	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	52.02	
33 61 13 00-0151	EA		2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,143.38	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	54.19	
33 61 13 00-0152	EA		2-1/2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,452.26	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	56.36	
33 61 13 00-0153	EA		3" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,995.53	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	65.03	
33 61 13 00-0154	EA		4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,662.07	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	75.87	
33 61 13 00-0155	EA		5" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	5,810.26	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	97.55	

33 Utilities**33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 61 13 00-0156	EA	6" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	6,516.53
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	110.79
33 61 13 00-0157	EA	8" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	9,309.72
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	160.17
33 61 13 00-0158	EA	10" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	12,175.01
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	204.73
33 61 13 00-0159	EA	12" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	15,872.87
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	270.96

33 61 13 00-0160 Tees (33 61 13 00-0117)

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0161	EA	3/4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,366.78
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	43.62
33 61 13 00-0162	EA	1" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,432.35
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	44.64
33 61 13 00-0163	EA	1-1/4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,776.64
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	50.80
33 61 13 00-0164	EA	1-1/2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,060.17
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	55.42
33 61 13 00-0165	EA	2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,320.09
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	57.73
33 61 13 00-0166	EA	2-1/2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,636.05
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	60.04
33 61 13 00-0167	EA	3" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,207.59
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	69.27
33 61 13 00-0168	EA	4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,909.47
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	80.82
33 61 13 00-0169	EA	5" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	6,128.34
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	103.91
33 61 13 00-0170	EA	6" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	6,877.82
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	118.02
33 61 13 00-0171	EA	8" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	9,832.00
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	170.61
33 61 13 00-0172	EA	10" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	12,842.60
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	218.08
33 61 13 00-0173	EA	12" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	16,756.44
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	288.63

33 61 13 00-0174 Reducers (33 61 13 00-0059)**33 61 13 00-0175 Reducers** (33 61 13 00-0174)

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0176	EA	3/4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,106.68
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	19.90
33 61 13 00-0177	EA	1" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,138.66
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	20.37
33 61 13 00-0178	EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,301.03
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	23.18
33 61 13 00-0179	EA	1-1/2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,437.89
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	25.29
33 61 13 00-0180	EA	2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,577.37
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	26.34
33 61 13 00-0181	EA	2-1/2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,760.13
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	27.39
33 61 13 00-0182	EA	3" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,030.71
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	31.61
33 61 13 00-0183	EA	4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,364.61
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	36.87
33 61 13 00-0184	EA	5" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,928.46
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	47.41

		Utilities	33	
		Hydronic and Steam Energy Utilities	33 60	
		Hydronic Energy Distribution	33 61	
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
		UNIT COST	UNIT COST	

33 61 13 00-0185	EA	6" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,278.19	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	53.85	
33 61 13 00-0186	EA	8" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,674.19	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	77.84	
33 61 13 00-0187	EA	10" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	6,137.46	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	99.50	
33 61 13 00-0188	EA	12" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	7,977.15	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	131.69	

33 61 13 00-0189

Reducers (33 61 13 00-0174)

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0190	EA	3/4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,181.30	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	21.39	
33 61 13 00-0191	EA	1" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,215.04	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	21.90	
33 61 13 00-0192	EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,387.95	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	24.92	
33 61 13 00-0193	EA	1-1/2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,532.70	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	27.18	
33 61 13 00-0194	EA	2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,676.14	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	28.31	
33 61 13 00-0195	EA	2-1/2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,862.85	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	29.45	
33 61 13 00-0196	EA	3" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,149.23	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	33.98	
33 61 13 00-0197	EA	4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,502.89	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	39.64	
33 61 13 00-0198	EA	5" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,106.25	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	50.97	
33 61 13 00-0199	EA	6" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,480.11	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	57.89	
33 61 13 00-0200	EA	8" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,966.11	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	83.68	
33 61 13 00-0201	EA	10" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	6,510.59	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	106.96	
33 61 13 00-0202	EA	12" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	8,471.00	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	141.57	

33 61 13 00-0203

Reducers (33 61 13 00-0174)

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0204	EA	3/4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,255.93	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	22.89	
33 61 13 00-0205	EA	1" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,291.42	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	23.42	
33 61 13 00-0206	EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,474.87	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	26.65	
33 61 13 00-0207	EA	1-1/2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,627.52	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	29.08	
33 61 13 00-0208	EA	2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,774.91	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	30.29	
33 61 13 00-0209	EA	2-1/2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,965.57	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	31.50	
33 61 13 00-0210	EA	3" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,267.75	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	36.35	
33 61 13 00-0211	EA	4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,641.17	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	42.41	
33 61 13 00-0212	EA	5" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,284.03	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	54.52	
33 61 13 00-0213	EA	6" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,682.04	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	61.92	

33 Utilities**33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 61 13 00-0214	EA	8" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	5,258.02	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	89.52	
33 61 13 00-0215	EA	10" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	6,883.72	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	114.43	
33 61 13 00-0216	EA	12" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	8,964.85	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	151.45	

33 61 13 00-0217 Reducers (33 61 13 00-0174)

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0218	EA	3/4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,330.56	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	24.38	
33 61 13 00-0219	EA	1" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,367.80	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	24.95	
33 61 13 00-0220	EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,561.78	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	28.39	
33 61 13 00-0221	EA	1-1/2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,722.34	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	30.97	
33 61 13 00-0222	EA	2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,873.68	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	32.26	
33 61 13 00-0223	EA	2-1/2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,068.29	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	33.56	
33 61 13 00-0224	EA	3" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,386.28	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	38.72	
33 61 13 00-0225	EA	4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,779.44	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	45.17	
33 61 13 00-0226	EA	5" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,461.82	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	58.08	
33 61 13 00-0227	EA	6" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,883.96	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	65.96	
33 61 13 00-0228	EA	8" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	5,549.93	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	95.36	
33 61 13 00-0229	EA	10" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	7,256.84	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	121.89	
33 61 13 00-0230	EA	12" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	9,458.70	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	161.32	

33 61 13 00-0231 Preinsulated Type K Copper Pipe (33 61 13 00-0001)

Note: With polyurethane insulation and non-metallic casing. Excludes excavation or backfill.

33 61 13 00-0232 Type K Copper Carrier Pipe (33 61 13 00-0231)

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0233	LF	3/4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	48.29	17.94
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	0.43	
33 61 13 00-0234	LF	1" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	52.58	19.35
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	0.47	
33 61 13 00-0235	LF	1-1/4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	57.33	20.56
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	0.53	
33 61 13 00-0236	LF	1-1/2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	61.02	21.72
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	0.57	
33 61 13 00-0237	LF	2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	64.31	23.04
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	0.60	
33 61 13 00-0238	LF	2-1/2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	75.06	28.50
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	0.65	
33 61 13 00-0239	LF	3" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	87.07	34.77
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	0.70	
33 61 13 00-0240	LF	4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	110.38	44.29
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	0.88	
33 61 13 00-0241	LF	5" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	137.60	54.24
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	1.13	
33 61 13 00-0242	LF	6" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	160.60	63.55
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	1.31	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0243	LF	8" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	210.19 1.90	77.08
33 61 13 00-0244	LF	10" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	262.48 2.51	91.37
33 61 13 00-0245	LF	12" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	325.13 3.13	112.44
33 61 13 00-0246 Type K Copper Carrier Pipe (33 61 13 00-0231)				
Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.				
33 61 13 00-0247	LF	3/4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	50.43 0.47	17.94
33 61 13 00-0248	LF	1" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	54.93 0.52	19.35
33 61 13 00-0249	LF	1-1/4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	59.98 0.58	20.56
33 61 13 00-0250	LF	1-1/2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	63.87 0.63	21.72
33 61 13 00-0251	LF	2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	67.28 0.65	23.04
33 61 13 00-0252	LF	2-1/2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	78.30 0.71	28.50
33 61 13 00-0253	LF	3" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	90.56 0.77	34.77
33 61 13 00-0254	LF	4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	114.78 0.97	44.29
33 61 13 00-0255	LF	5" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	143.23 1.24	54.24
33 61 13 00-0256	LF	6" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	167.13 1.44	63.55
33 61 13 00-0257	LF	8" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	219.70 2.09	77.08
33 61 13 00-0258	LF	10" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	275.03 2.76	91.37
33 61 13 00-0259	LF	12" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	340.78 3.44	112.44
33 61 13 00-0260 Type K Copper Carrier Pipe (33 61 13 00-0231)				
Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.				
33 61 13 00-0261	LF	3/4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	51.50 0.49	17.94
33 61 13 00-0262	LF	1" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	56.11 0.54	19.35
33 61 13 00-0263	LF	1-1/4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	61.31 0.61	20.56
33 61 13 00-0264	LF	1-1/2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	65.29 0.65	21.72
33 61 13 00-0265	LF	2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	68.77 0.68	23.04
33 61 13 00-0266	LF	2-1/2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	79.92 0.74	28.50
33 61 13 00-0267	LF	3" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	92.31 0.80	34.77
33 61 13 00-0268	LF	4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	116.98 1.01	44.29
33 61 13 00-0269	LF	5" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	146.04 1.29	54.24
33 61 13 00-0270	LF	6" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	170.40 1.50	63.55
33 61 13 00-0271	LF	8" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	224.46 2.19	76.78

33 Utilities**33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR				TOTAL DIRECT		DEMOLITION
CSI UOM DESCRIPTION				UNIT COST		UNIT COST
33 61 13 00-0272	LF	10" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	281.30		91.37	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	2.89			
33 61 13 00-0273	LF	12" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	348.61		112.44	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	3.60			
33 61 13 00-0274 Type K Copper Carrier Pipe (33 61 13 00-0231)						
Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.						
33 61 13 00-0275	LF	3/4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	53.11		17.94	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	0.52			
33 61 13 00-0276	LF	1" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	57.87		19.35	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	0.58			
33 61 13 00-0277	LF	1-1/4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	63.30		20.56	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	0.65			
33 61 13 00-0278	LF	1-1/2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	67.43		21.72	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	0.70			
33 61 13 00-0279	LF	2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	71.00		23.04	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	0.73			
33 61 13 00-0280	LF	2-1/2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	82.34		28.50	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	0.79			
33 61 13 00-0281	LF	3" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	94.93		34.77	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	0.86			
33 61 13 00-0282	LF	4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	120.28		44.29	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	1.08			
33 61 13 00-0283	LF	5" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	150.26		54.24	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	1.38			
33 61 13 00-0284	LF	6" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	175.30		63.55	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	1.60			
33 61 13 00-0285	LF	8" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	231.59		76.78	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	2.33			
33 61 13 00-0286	LF	10" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	290.71		91.37	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	3.07			
33 61 13 00-0287	LF	12" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	360.35		112.44	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	3.84			
33 61 13 00-0288 Preinsulated Copper Fittings (33 61 13 00-0001)						
33 61 13 00-0289 Elbows (33 61 13 00-0288)						
33 61 13 00-0290 Elbows (33 61 13 00-0289)						
Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.						
33 61 13 00-0291	EA	3/4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	351.91			
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	4.88			
33 61 13 00-0292	EA	1" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	366.00			
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	5.00			
33 61 13 00-0293	EA	1-1/4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	421.58			
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	5.69			
33 61 13 00-0294	EA	1-1/2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	477.93			
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	6.20			
33 61 13 00-0295	EA	2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	574.78			
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	6.46			
33 61 13 00-0296	EA	2-1/2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	704.05			
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	6.72			
33 61 13 00-0297	EA	3" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	818.88			
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	7.75			
33 61 13 00-0298	EA	4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	955.73			
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	9.04			
33 61 13 00-0299	EA	5" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,120.32			
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	11.63			
33 61 13 00-0300	EA	6" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,226.17			
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	13.21			
33 61 13 00-0301	EA	8" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,709.99			
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	19.09			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 61	13	00-0302	EA 10" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	2,342.73 24.41	
33 61	13	00-0303	EA 12" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	2,962.79 32.30	

33 61 13 00-0304

Elbows (33 61 13 00-0289)

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61	13	00-0305	EA 3/4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	370.22 5.25	
33 61	13	00-0306	EA 1" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	384.73 5.37	
33 61	13	00-0307	EA 1-1/4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	442.90 6.11	
33 61	13	00-0308	EA 1-1/2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	501.19 6.67	
33 61	13	00-0309	EA 2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	599.01 6.94	
33 61	13	00-0310	EA 2-1/2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	729.25 7.22	
33 61	13	00-0311	EA 3" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	847.95 8.33	
33 61	13	00-0312	EA 4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	989.64 9.72	
33 61	13	00-0313	EA 5" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	1,163.93 12.50	
33 61	13	00-0314	EA 6" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	1,275.70 14.20	
33 61	13	00-0315	EA 8" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	1,781.59 20.53	
33 61	13	00-0316	EA 10" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	2,434.25 26.24	
33 61	13	00-0317	EA 12" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	3,083.92 34.72	

33 61 13 00-0318

Elbows (33 61 13 00-0289)

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61	13	00-0319	EA 3/4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	388.52 5.61	
33 61	13	00-0320	EA 1" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	403.46 5.75	
33 61	13	00-0321	EA 1-1/4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	464.22 6.54	
33 61	13	00-0322	EA 1-1/2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	524.44 7.13	
33 61	13	00-0323	EA 2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	623.23 7.43	
33 61	13	00-0324	EA 2-1/2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	754.44 7.73	
33 61	13	00-0325	EA 3" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	877.03 8.92	
33 61	13	00-0326	EA 4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	1,023.56 10.40	
33 61	13	00-0327	EA 5" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	1,207.53 13.37	
33 61	13	00-0328	EA 6" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	1,325.50 15.19	
33 61	13	00-0329	EA 8" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	1,853.04 21.96	
33 61	13	00-0330	EA 10" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	2,525.31 28.07	

33 Utilities**33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**
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 TOTAL DIRECT DEMOLITION
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33 61 13 00-0331	EA	12" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,205.38
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	37.15

33 61 13 00-0332 Elbows (33 61 13 00-0289)

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0333	EA	3/4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	406.82
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	5.98
33 61 13 00-0334	EA	1" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	422.20
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	6.12
33 61 13 00-0335	EA	1-1/4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	485.54
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	6.96
33 61 13 00-0336	EA	1-1/2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	547.70
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	7.60
33 61 13 00-0337	EA	2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	647.46
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	7.91
33 61 13 00-0338	EA	2-1/2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	779.64
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	8.23
33 61 13 00-0339	EA	3" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	906.10
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	9.50
33 61 13 00-0340	EA	4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,057.47
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	11.08
33 61 13 00-0341	EA	5" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,251.14
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	14.24
33 61 13 00-0342	EA	6" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,375.02
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	16.18
33 61 13 00-0343	EA	8" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,924.64
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	23.39
33 61 13 00-0344	EA	10" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,616.84
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	29.90
33 61 13 00-0345	EA	12" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,326.51
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	39.57

33 61 13 00-0346 Tees (33 61 13 00-0288)**33 61 13 00-0347 Tees** (33 61 13 00-0346)

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0348	EA	3/4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	524.16
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	7.25
33 61 13 00-0349	EA	1" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	545.08
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	7.42
33 61 13 00-0350	EA	1-1/4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	627.92
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	8.44
33 61 13 00-0351	EA	1-1/2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	712.05
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	9.21
33 61 13 00-0352	EA	2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	856.84
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	9.59
33 61 13 00-0353	EA	2-1/2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,050.40
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	9.98
33 61 13 00-0354	EA	3" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,222.57
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	11.51
33 61 13 00-0355	EA	4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,426.85
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	13.43
33 61 13 00-0356	EA	5" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,674.67
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	17.27
33 61 13 00-0357	EA	6" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,830.03
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	19.61
33 61 13 00-0358	EA	8" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,549.10
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	28.35
33 61 13 00-0359	EA	10" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,497.68
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	36.24

		Utilities	33	CS
		Hydronic and Steam Energy Utilities	33 60	
		Hydronic Energy Distribution	33 61	
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		UNIT COST	UNIT COST	

33 61 13 00-0360	EA	12" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	4,419.95 47.97	
33 61 13 00-0361 Tees (33 61 13 00-0346)				
Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.				
33 61 13 00-0362	EA	3/4" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	551.34 7.79	
33 61 13 00-0363	EA	1" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	572.90 7.98	
33 61 13 00-0364	EA	1-1/4" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	659.58 9.08	
33 61 13 00-0365	EA	1-1/2" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	746.58 9.90	
33 61 13 00-0366	EA	2" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	892.82 10.31	
33 61 13 00-0367	EA	2-1/2" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	1,087.81 10.73	
33 61 13 00-0368	EA	3" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	1,265.74 12.38	
33 61 13 00-0369	EA	4" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	1,477.22 14.44	
33 61 13 00-0370	EA	5" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	1,739.43 18.56	
33 61 13 00-0371	EA	6" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	1,903.58 21.08	
33 61 13 00-0372	EA	8" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	2,655.42 30.48	
33 61 13 00-0373	EA	10" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	3,633.59 38.96	
33 61 13 00-0374	EA	12" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	4,599.83 51.56	
33 61 13 00-0375 Tees (33 61 13 00-0346)				
Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.				
33 61 13 00-0376	EA	3/4" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	578.52 8.34	
33 61 13 00-0377	EA	1" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	600.72 8.53	
33 61 13 00-0378	EA	1-1/4" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	691.24 9.71	
33 61 13 00-0379	EA	1-1/2" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	781.12 10.59	
33 61 13 00-0380	EA	2" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	928.79 11.03	
33 61 13 00-0381	EA	2-1/2" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	1,125.23 11.47	
33 61 13 00-0382	EA	3" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	1,308.91 13.24	
33 61 13 00-0383	EA	4" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	1,527.58 15.45	
33 61 13 00-0384	EA	5" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	1,804.18 19.86	
33 61 13 00-0385	EA	6" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	1,977.53 22.56	
33 61 13 00-0386	EA	8" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	2,760.66 32.61	
33 61 13 00-0387	EA	10" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	3,766.92 41.68	
33 61 13 00-0388	EA	12" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	4,782.70 55.16	

33 Utilities**33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**
 MINOR
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 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 61 13 00-0389		Tees (33 61 13 00-0346)	
Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.			
33 61 13 00-0390	EA	3/4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	605.70
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	8.88
33 61 13 00-0391	EA	1" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	628.54
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	9.09
33 61 13 00-0392	EA	1-1/4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	722.90
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	10.34
33 61 13 00-0393	EA	1-1/2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	815.65
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	11.28
33 61 13 00-0394	EA	2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	964.77
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	11.75
33 61 13 00-0395	EA	2-1/2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,162.64
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	12.22
33 61 13 00-0396	EA	3" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,352.08
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	14.10
33 61 13 00-0397	EA	4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,577.95
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	16.45
33 61 13 00-0398	EA	5" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,868.94
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	21.15
33 61 13 00-0399	EA	6" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,051.08
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	24.03
33 61 13 00-0400	EA	8" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,866.99
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	34.73
33 61 13 00-0401	EA	10" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,902.83
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	44.40
33 61 13 00-0402	EA	12" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,962.57
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	58.76
33 61 13 00-0403		Reducers (33 61 13 00-0288)	
33 61 13 00-0404		Reducers (33 61 13 00-0403)	
Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.			
33 61 13 00-0405	EA	3/4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	299.66
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	4.05
33 61 13 00-0406	EA	1" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	311.88
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	4.15
33 61 13 00-0407	EA	1-1/4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	359.53
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	4.72
33 61 13 00-0408	EA	1-1/2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	408.37
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	5.15
33 61 13 00-0409	EA	2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	494.58
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	5.36
33 61 13 00-0410	EA	2-1/2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	618.40
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	5.58
33 61 13 00-0411	EA	3" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	713.35
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	6.43
33 61 13 00-0412	EA	4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	828.27
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	7.51
33 61 13 00-0413	EA	5" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	967.80
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	9.65
33 61 13 00-0414	EA	6" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,057.51
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	10.96
33 61 13 00-0415	EA	8" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,472.27
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	15.85
33 61 13 00-0416	EA	10" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,023.61
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	20.26
33 61 13 00-0417	EA	12" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,551.40
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	26.81

		Utilities	33	CS
		Hydronic and Steam Energy Utilities	33 60	
		Hydronic Energy Distribution	33 61	
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
		UNIT COST	UNIT COST	

33 61 13 00-0418		Reducers (33 61 13 00-0403)
Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0419	EA 3/4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	314.86
	<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	4.36
33 61 13 00-0420	EA 1" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	327.43
	<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	4.46
33 61 13 00-0421	EA 1-1/4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	377.22
	<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	5.07
33 61 13 00-0422	EA 1-1/2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	427.67
	<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	5.53
33 61 13 00-0423	EA 2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	514.69
	<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	5.76
33 61 13 00-0424	EA 2-1/2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	639.32
	<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	5.99
33 61 13 00-0425	EA 3" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	737.48
	<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	6.92
33 61 13 00-0426	EA 4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	856.42
	<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	8.07
33 61 13 00-0427	EA 5" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,003.99
	<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	10.38
33 61 13 00-0428	EA 6" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,098.62
	<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	11.78
33 61 13 00-0429	EA 8" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,531.70
	<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	17.04
33 61 13 00-0430	EA 10" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,099.57
	<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	21.78
33 61 13 00-0431	EA 12" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,651.94
	<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	28.82

33 61 13 00-0432		Reducers (33 61 13 00-0403)
Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0433	EA 3/4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	330.05
	<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	4.66
33 61 13 00-0434	EA 1" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	342.98
	<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	4.77
33 61 13 00-0435	EA 1-1/4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	394.92
	<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	5.43
33 61 13 00-0436	EA 1-1/2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	446.97
	<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	5.92
33 61 13 00-0437	EA 2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	534.79
	<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	6.17
33 61 13 00-0438	EA 2-1/2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	660.23
	<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	6.41
33 61 13 00-0439	EA 3" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	761.61
	<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	7.40
33 61 13 00-0440	EA 4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	884.57
	<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	8.63
33 61 13 00-0441	EA 5" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,040.19
	<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	11.10
33 61 13 00-0442	EA 6" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,139.95
	<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	12.61
33 61 13 00-0443	EA 8" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,590.73
	<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	18.22
33 61 13 00-0444	EA 10" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,175.17
	<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	23.29
33 61 13 00-0445	EA 12" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,752.73
	<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	30.83

33 61 13 00-0446		Reducers (33 61 13 00-0403)
Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		

33 Utilities**33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**
 MINOR
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 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 61 13 00-0447	EA	3/4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	345.24	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	4.96	
33 61 13 00-0448	EA	1" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	358.53	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	5.08	
33 61 13 00-0449	EA	1-1/4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	412.61	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	5.78	
33 61 13 00-0450	EA	1-1/2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	466.27	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	6.31	
33 61 13 00-0451	EA	2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	554.90	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	6.57	
33 61 13 00-0452	EA	2-1/2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	681.14	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	6.83	
33 61 13 00-0453	EA	3" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	785.74	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	7.88	
33 61 13 00-0454	EA	4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	912.72	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	9.20	
33 61 13 00-0455	EA	5" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,076.38	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	11.82	
33 61 13 00-0456	EA	6" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,181.06	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	13.43	
33 61 13 00-0457	EA	8" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,650.16	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	19.41	
33 61 13 00-0458	EA	10" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,251.13	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	24.81	
33 61 13 00-0459	EA	12" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,853.27	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	32.84	

33 61 13 00-0460 **Preinsulated Ductile Iron Carrier Pipe** (33 61 13 00-0001)
 Note: With polyurethane insulation and non-metallic casing. Excludes excavation or backfill.

33 61 13 00-0461 **Ductile Iron Carrier Pipe** (33 61 13 00-0460)

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0462	LF	4" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket.....	407.24	57.22
33 61 13 00-0463	LF	6" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket.....	601.03	82.17
33 61 13 00-0464	LF	8" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket.....	847.68	99.28
33 61 13 00-0465	LF	10" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket.....	1,101.54	118.15
33 61 13 00-0466	LF	12" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket.....	1,371.45	145.41

33 61 13 00-0467 **Ductile Iron Carrier Pipe** (33 61 13 00-0460)

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0468	LF	4" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket.....	444.84	57.27
33 61 13 00-0469	LF	6" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket.....	656.87	82.17
33 61 13 00-0470	LF	8" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket.....	928.96	99.28
33 61 13 00-0471	LF	10" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket.....	1,208.80	118.15
33 61 13 00-0472	LF	12" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket.....	1,505.26	145.41
33 61 13 00-0473	LF	14" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket.....	1,659.29	155.15
33 61 13 00-0474	LF	16" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket.....	1,896.33	166.24
33 61 13 00-0475	LF	18" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket.....	2,164.73	177.33
33 61 13 00-0476	LF	20" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket.....	2,403.44	188.40
33 61 13 00-0477	LF	24" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket.....	2,902.03	205.03

33 61 13 00-0478 **Preinsulated Ductile Iron Fittings** (33 61 13 00-0001)

33 61 13 00-0479 **Elbows** (33 61 13 00-0478)

33 61 13 00-0480 **Elbows** (33 61 13 00-0479)

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0481	EA	4" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	3,907.85	
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			Utilities	33	33
			Hydronic and Steam Energy Utilities	33 60	
			Hydronic Energy Distribution	33 61	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 61 13 00-0482	EA	6" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	5,511.74	
33 61 13 00-0483	EA	8" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	7,896.05	
33 61 13 00-0484	EA	10" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	10,273.39	
33 61 13 00-0485	EA	12" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	13,438.40	
33 61 13 00-0486		Elbows (33 61 13 00-0479)		
Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.				
33 61 13 00-0487	EA	4" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	4,372.33	
33 61 13 00-0488	EA	6" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	6,190.03	
33 61 13 00-0489	EA	8" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	8,876.63	
33 61 13 00-0490	EA	10" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	11,526.75	
33 61 13 00-0491	EA	12" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	15,097.26	
33 61 13 00-0492	EA	14" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	18,485.28	
33 61 13 00-0493	EA	16" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	22,106.60	
33 61 13 00-0494	EA	18" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	27,670.27	
33 61 13 00-0495	EA	20" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	34,916.35	
33 61 13 00-0496	EA	24" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	44,198.92	
33 61 13 00-0497		Tees (33 61 13 00-0478)		
33 61 13 00-0498		Tees (33 61 13 00-0497)		
Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.				
33 61 13 00-0499	EA	4" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	5,811.86	
33 61 13 00-0500	EA	6" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	8,195.59	
33 61 13 00-0501	EA	8" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	11,737.05	
33 61 13 00-0502	EA	10" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	15,277.63	
33 61 13 00-0503	EA	12" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	19,979.26	
33 61 13 00-0504		Tees (33 61 13 00-0497)		
Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.				
33 61 13 00-0505	EA	4" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	6,501.61	
33 61 13 00-0506	EA	6" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	9,202.85	
33 61 13 00-0507	EA	8" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	13,193.20	
33 61 13 00-0508	EA	10" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	17,138.87	
33 61 13 00-0509	EA	12" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	22,442.68	
33 61 13 00-0510	EA	14" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	27,298.96	
33 61 13 00-0511	EA	16" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	32,652.54	
33 61 13 00-0512	EA	18" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	40,870.91	
33 61 13 00-0513	EA	20" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	51,585.55	
33 61 13 00-0514	EA	24" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	65,273.38	
33 61 13 00-0515		Reducers (33 61 13 00-0478)		
33 61 13 00-0516		Reducers (33 61 13 00-0515)		
Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.				
33 61 13 00-0517	EA	4" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	3,283.81	
33 61 13 00-0518	EA	6" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	4,620.51	
33 61 13 00-0519	EA	8" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	6,614.72	
33 61 13 00-0520	EA	10" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	8,617.84	
33 61 13 00-0521	EA	12" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	11,260.01	

33	33	Utilities
	33 60	Hydronic and Steam Energy Utilities
	33 61	Hydronic Energy Distribution

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 61 13 00-0522			Reducers (33 61 13 00-0515)		
			Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0523	EA		4" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	3,669.33	
33 61 13 00-0524	EA		6" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	5,183.48	
33 61 13 00-0525	EA		8" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	7,428.58	
33 61 13 00-0526	EA		10" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	9,658.12	
33 61 13 00-0527	EA		12" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	12,636.87	
33 61 13 00-0528	EA		14" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	15,356.28	
33 61 13 00-0529	EA		16" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	18,355.50	
33 61 13 00-0530	EA		18" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	22,903.03	
33 61 13 00-0531	EA		20" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	29,000.36	
33 61 13 00-0532	EA		24" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	36,746.21	
33 61 13 00-0533			Tempered Water Piping Pre-Insulated (33 61 13 00-0001)		
33 61 13 00-0534			Fiberglass Reinforced Polyester (FRP) Carrier And Casing, 1" Polyurethane Insulation (33 61 13 00-0533)		
33 61 13 00-0535	LF		4" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	166.48	24.08
33 61 13 00-0536	LF		6" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	217.15	27.34
33 61 13 00-0537	LF		8" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	305.35	29.88
33 61 13 00-0538	LF		10" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	422.56	37.34
33 61 13 00-0539	LF		12" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	542.29	46.06
33 61 13 00-0540			Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing, 1" Polyurethane Insulation (33 61 13 00-0533)		
33 61 13 00-0541	LF		4" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	76.85	27.34
33 61 13 00-0542	LF		6" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	93.11	27.34
33 61 13 00-0543	LF		8" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	108.54	27.34
33 61 13 00-0544	LF		10" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	129.86	32.32
33 61 13 00-0545	LF		12" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	156.54	41.02
33 61 13 00-0546			Polyvinyl Chloride (PVC) Carrier And Casing, 1" Polyurethane Insulation (33 61 13 00-0533)		
33 61 13 00-0547	LF		4" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	76.85	27.34
33 61 13 00-0548	LF		6" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	93.11	27.34
33 61 13 00-0549	LF		8" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	107.29	27.34
33 61 13 00-0550	LF		10" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	129.86	32.32
33 61 13 00-0551	LF		12" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	156.54	41.02

33 70 Electrical Utilities (33)

33 71 Electrical Utility Transmission and Distribution (33 70)

33 71 19 Electrical Underground Ducts, Ductbanks and Manholes (33 71)

Note: Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 71 19 13 Electrical Manholes and Handholes (33 71 19)

33 71 19 13-0001			Electrical Handholes And Pull Boxes (33 71 19 13)		
33 71 19 13-0002			Electrical Pull Boxes (33 71 19 13-0001)		
			See CSI section 33 05 63 00-0427 for handholes.		
33 71 19 13-0003	EA		18" x 28" x 12", Electric Pull Boxes, Precast Concrete	1,658.07	767.52
33 71 19 13-0004	EA		24" x 36" x 12", Electric Pull Boxes, Precast Concrete	2,260.96	895.45
33 71 19 13-0005	EA		24" x 36" x 24", Electric Pull Boxes, Precast Concrete	2,502.35	530.87
33 71 19 13-0006	EA		18" x 28" x 34", Electric Pull Boxes, Precast Concrete	2,637.39	588.44
33 71 19 13-0007	EA		24" x 36" x 36", Electric Pull Boxes, Precast Concrete	3,029.23	588.44
33 71 19 13-0008	EA		30" x 48" x 36", Electric Pull Boxes, Precast Concrete	3,535.27	639.61
33 71 19 13-0009	EA		36" x 72" x 24", Electric Pull Boxes, Precast Concrete	5,651.45	767.52
33 71 19 13-0010	EA		36" x 60" x 36", Electric Pull Boxes, Precast Concrete	6,063.08	767.52
33 71 19 13-0011	EA		48" x 48" x 36", Electric Pull Boxes, Precast Concrete	6,538.60	799.50
33 71 19 13-0012	EA		48" x 60" x 48", Electric Pull Boxes, Precast Concrete	7,534.97	895.45
33 71 19 13-0013	EA		24" x 3', Round Electric Pull Boxes, Precast Concrete	1,445.14	223.87
33 71 19 13-0014	EA		30" x 3', Round Electric Pull Boxes, Precast Concrete	1,524.61	239.85

33 71 19 13-0015 Electrical Pull Boxes (CALTRANS) (33 71 19 13-0001)					
33 71 19 13-0016	EA		Body, CALTRANS 3-1/2 Precast Concrete Pull Box.....	140.17	
33 71 19 13-0017	EA		Concrete Cover, CALTRANS 3-1/2 Precast Concrete Pull Box.....	56.89	
33 71 19 13-0018	EA		Bolt Down Concrete Cover, CALTRANS 3-1/2 Precast Concrete Pull Box	86.98	
33 71 19 13-0019	EA		Bolt Down Cast Iron Cover, CALTRANS 3-1/2 Precast Concrete Pull Box	186.18	
33 71 19 13-0020	EA		Bolt Down Steel Cover, CALTRANS 3-1/2 Precast Concrete Pull Box.....	289.03	
			<i>For Galvanized Steel Cover, Add</i>	49.79	
33 71 19 13-0021	EA		12" Extension, CALTRANS 3-1/2 Precast Concrete Pull Box.....	71.16	
33 71 19 13-0022	EA		Flat Plate Base, CALTRANS 3-1/2 Precast Concrete Pull Box.....	71.16	
33 71 19 13-0023	EA		Body, CALTRANS 5 Precast Concrete Pull Box.....	200.23	
33 71 19 13-0024	EA		Concrete Cover, CALTRANS 5 Precast Concrete Pull Box.....	76.36	
33 71 19 13-0025	EA		Bolt Down Concrete Cover, CALTRANS 5 Precast Concrete Pull Box.....	106.45	
33 71 19 13-0026	EA		Bolt Down Steel Cover, CALTRANS 5 Precast Concrete Pull Box.....	383.96	
			<i>For Galvanized Steel Cover, Add</i>	91.29	
33 71 19 13-0027	EA		12" Extension, CALTRANS 5 Precast Concrete Pull Box.....	101.59	
33 71 19 13-0028	EA		Flat Plate Base, CALTRANS 5 Precast Concrete Pull Box.....	94.89	
33 71 19 13-0029	EA		Body, CALTRANS 6 Precast Concrete Pull Box.....	219.70	
33 71 19 13-0030	EA		Concrete Cover, CALTRANS 6 Precast Concrete Pull Box.....	102.53	
33 71 19 13-0031	EA		Bolt Down Concrete Cover, CALTRANS 6 Precast Concrete Pull Box.....	132.62	
33 71 19 13-0032	EA		Bolt Down Steel Cover, CALTRANS 6 Precast Concrete Pull Box.....	527.59	
			<i>For Galvanized Steel Cover, Add</i>	127.80	
33 71 19 13-0033	EA		12" Extension, CALTRANS 6 Precast Concrete Pull Box.....	121.06	
33 71 19 13-0034	EA		Flat Plate Base, CALTRANS 6 Precast Concrete Pull Box.....	113.76	
33 71 19 13-0035	EA		6" Return Flat Plate Base, CALTRANS 6 Precast Concrete Pull Box.....	157.58	
33 71 19 13-0036	EA		Body, CALTRANS 3-1/2-T Precast Concrete Pull Box	318.48	
33 71 19 13-0037	EA		Bolt Down Concrete Cover, CALTRANS 3-1/2-T Precast Concrete Pull Box	461.86	
33 71 19 13-0038	EA		12" Extension, CALTRANS 3-1/2-T Precast Concrete Pull Box	145.40	
33 71 19 13-0039	EA		Flat Plate Base, CALTRANS 3-1/2-T Precast Concrete Pull Box	133.23	
33 71 19 13-0040	EA		Body, CALTRANS 5-T Precast Concrete Pull Box	414.44	
33 71 19 13-0041	EA		Bolt Down Concrete Cover, CALTRANS 5-T Precast Concrete Pull Box	668.78	
33 71 19 13-0042	EA		12" Extension, CALTRANS 5-T Precast Concrete Pull Box.....	174.62	
33 71 19 13-0043	EA		Flat Plate Base, CALTRANS 5-T Precast Concrete Pull Box	169.75	
33 71 19 13-0044	EA		Body, CALTRANS 6-T Precast Concrete Pull Box	592.15	
33 71 19 13-0045	EA		Bolt Down Concrete Cover, CALTRANS 6-T Precast Concrete Pull Box	936.55	
33 71 19 13-0046	EA		12" Extension, CALTRANS 6-T Precast Concrete Pull Box.....	296.33	
33 71 19 13-0047	EA		Flat Plate Base, CALTRANS 6-T Precast Concrete Pull Box	230.60	
33 71 19 13-0048 Precast Concrete Box Extensions (33 71 19 13-0001)					
33 71 19 13-0049	EA		14" x 20" x 12", Precast Concrete Extension	213.78	42.24
33 71 19 13-0050	EA		18" x 28" x 12", Precast Concrete Extension	268.63	53.50
33 71 19 13-0051	EA		24" x 36" x 12", Precast Concrete Extension	351.15	73.21
33 71 19 13-0052	EA		30" x 48" x 12", Precast Concrete Extension	435.49	101.36
33 71 19 13-0053	EA		36" x 60" x 12", Precast Concrete Extension	689.59	123.90
33 71 19 13-0054	EA		36" x 72" x 12", Precast Concrete Extension	917.33	140.79
33 71 19 13-0055	EA		48" x 48" x 12", Precast Concrete Extension	1,034.89	129.52
33 71 19 13-0056	EA		48" x 60" x 12", Precast Concrete Extension	1,268.75	152.06
33 71 19 13-0057 Electrical Property Line Boxes (33 71 19 13)					
33 71 19 13-0058	EA		3'-6" x 2'-9" x 2' Deep Property Line Box	5,384.74	431.74
33 71 19 13-0059	EA		4'-6" x 3'-6" x 4' Deep Property Line Box	6,340.10	447.72
33 71 19 13-0060	EA		6' x 4' x 5' Deep Property Line Box	6,945.91	543.67
33 71 19 13-0061	EA		11'-6" x 4'-6" x 6' Deep Property Line Box	10,641.62	799.50
33 71 19 13-0062 Manhole Accessories (33 71 19 13)					
33 71 19 13-0063	EA		6" Precast Grade Ring Riser Casting.....	471.82	140.85
33 71 19 13-0064	EA		12" Precast Grade Ring Riser Casting.....	510.98	152.59
33 71 19 13-0065	EA		36" Opening Cast Iron Frame And Cover (NEENAH #R-1640-D)	2,160.41	234.75
33 71 19 13-0066	EA		42" Opening Cast Iron Frame And Cover (NEENAH #R-1740-E1).....	2,819.26	293.43
33 71 19 13-0067	EA		Cast Iron Adjusting Ring (NEENAH #R-1979).....	911.87	156.69
33 71 19 13-0068	EA		Cast Iron Frame And Cover (NEENAH #R-1640-B)	1,159.59	176.06
33 71 19 23 Trenched Electrical Underground Duct and Ductbanks (33 71 19)					
33 71 19 23-0001 Underground Ductbank (33 71 19 23)					
Note: Installation of single or multiple configuration underground utility raceways assembly to have minimum 3" concrete leveling base and encased in concrete envelope. Based on minimum 100' run, minimum 30" bury depth. Includes installation in trench using the appropriate supports, cleaning to remove any obstructions and installation of nylon pull string. Excludes trenching, concrete, backfilling, grading and seeding. Duct Banks are to be installed according to the appropriate sections of the accompanying specifications. Individual rows to be stacked for larger duct bank configurations. See CSI section 03 30 53 00-0001 for concrete.					
33 71 19 23-0002 Rigid Galvanized Steel Conduit, Galvanized Rigid Conduit (GRC) Or Rigid Galvanized Steel (RGS), Duct Bank (33 71 19 23-0001)					
Note: Includes appropriate spacers and fittings.					
33 71 19 23-0003	LF		2 At 2", Rigid Galvanized Conduit Duct Bank	34.79	
33 71 19 23-0004	LF		4 At 2", Rigid Galvanized Conduit Duct Bank	69.61	
33 71 19 23-0005	LF		2 At 3", Rigid Galvanized Conduit Duct Bank	71.88	
33 71 19 23-0006	LF		4 At 3", Rigid Galvanized Conduit Duct Bank	144.19	
33 71 19 23-0007	LF		2 At 4", Rigid Galvanized Conduit Duct Bank	105.86	
33 71 19 23-0008	LF		4 At 4", Rigid Galvanized Conduit Duct Bank	212.79	
33 71 19 23-0009	LF		6 At 4", Rigid Galvanized Conduit Duct Bank	319.73	

33 Utilities**33 70 Electrical Utilities****33 71 Electrical Utility Transmission and Distribution**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 71 19 23-0010	LF	2 At 5", Rigid Galvanized Conduit Duct Bank	199.74
33 71 19 23-0011	LF	4 At 5", Rigid Galvanized Conduit Duct Bank	398.41
33 71 19 23-0012	LF	6 At 5", Rigid Galvanized Conduit Duct Bank	612.61
33 71 19 23-0013	LF	2 At 6", Rigid Galvanized Conduit Duct Bank	283.75
33 71 19 23-0014	LF	4 At 6", Rigid Galvanized Conduit Duct Bank	569.60
33 71 19 23-0015	LF	6 At 6", Rigid Galvanized Conduit Duct Bank	847.91

33 71 19 23-0016 Polyvinyl Chloride (PVC), Type EB-20 Duct Bank System (33 71 19 23-0001)

Note: Includes appropriate spacers and fittings.

33 71 19 23-0017	LF	1 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	8.10
33 71 19 23-0018	LF	2 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	17.71
33 71 19 23-0019	LF	4 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	34.08
33 71 19 23-0020	LF	1 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	10.77
33 71 19 23-0021	LF	2 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	21.49
33 71 19 23-0022	LF	4 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	43.63
33 71 19 23-0023	LF	1 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	14.59
33 71 19 23-0024	LF	2 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	29.20
33 71 19 23-0025	LF	4 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	58.47
33 71 19 23-0026	LF	6 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	87.67
33 71 19 23-0027	LF	1 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	18.74
33 71 19 23-0028	LF	2 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	37.43
33 71 19 23-0029	LF	4 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	72.70
33 71 19 23-0030	LF	6 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	103.67
33 71 19 23-0031	LF	1 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	32.57
33 71 19 23-0032	LF	2 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	51.00
33 71 19 23-0033	LF	4 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	102.21
33 71 19 23-0034	LF	6 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	164.04

33 71 19 23-0035 Polyvinyl Chloride (PVC), Type DB-60 Duct Bank System (33 71 19 23-0001)

Note: Includes appropriate spacers and fittings.

33 71 19 23-0036	LF	1 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	9.02
33 71 19 23-0037	LF	2 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	19.59
33 71 19 23-0038	LF	4 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	37.62
33 71 19 23-0039	LF	1 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	11.24
33 71 19 23-0040	LF	2 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	22.47
33 71 19 23-0041	LF	4 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	44.78
33 71 19 23-0042	LF	1 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	15.05
33 71 19 23-0043	LF	2 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	30.12
33 71 19 23-0044	LF	4 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	60.32
33 71 19 23-0045	LF	6 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	90.44
33 71 19 23-0046	LF	1 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	19.44
33 71 19 23-0047	LF	2 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	38.82
33 71 19 23-0048	LF	4 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	75.48
33 71 19 23-0049	LF	6 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	107.85
33 71 19 23-0050	LF	1 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	33.54
33 71 19 23-0051	LF	2 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	53.00
33 71 19 23-0052	LF	4 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	106.22
33 71 19 23-0053	LF	6 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	170.04

33 71 19 23-0054 Male Or Female Adapters (33 71 19 23-0001)

33 71 19 23-0055	EA	2" Adapter	42.31
33 71 19 23-0056	EA	3" Adapter	63.54
33 71 19 23-0057	EA	4" Adapter	83.01
33 71 19 23-0058	EA	5" Adapter	134.90
33 71 19 23-0059	EA	6" Adapter	165.06

33 71 19 23-0060 Underground Electrical Concrete Markers (33 71 19 23)

33 71 19 23-0061	EA	36" x 6" x 6", Underground Electric Concrete Marker	349.80
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END OF SECTION 33

			Transportation	34	34
			Transportation Signaling and Control Equipment	34 40	
			Roadway Signaling and Control Equipment	34 41	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

34 Transportation

34 40 Transportation Signaling and Control Equipment⁽³⁴⁾

34 41 Roadway Signaling and Control Equipment^(34 41)

34 41 13 Traffic Signals^(34 41)

34 41 13 00-0001 Traffic Signals^(34 41 13)

34 41 13 00-0002	EA	Single Traffic Signal Head, 4 Way Pattern.....	8,393.22	782.38
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34 41 13 00-0003 Traffic Detector Induction Loop^(34 41 13)

34 41 13 00-0004	EA	6' x 6', Type A, 3 Turns Per Loop, Traffic Detector Induction Loop.....	405.31	
Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.				
34 41 13 00-0005	EA	6' x 6', Type D, 3 Turns Per Loop, Traffic Detector Induction Loop.....	505.58	
Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.				
34 41 13 00-0006	EA	6' x 6', Type D, 5 Turns Per Loop, Traffic Detector Induction Loop.....	572.31	
Note: Includes saw cutting, 5 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.				
34 41 13 00-0007	EA	6' x 6', Type Q, 3 Turns Per Loop, Traffic Detector Induction Loop.....	494.68	
Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.				
34 41 13 00-0008	EA	6' x 20', Type C, 3 Turns Per Loop, Traffic Detector Induction Loop.....	858.46	
Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.				
34 41 13 00-0009	EA	6' x 28', Type C, 2 Turns Per Loop, Traffic Detector Induction Loop.....	1,053.74	
Note: Includes saw cutting, 2 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.				
34 41 13 00-0010	EA	6' x 28', Type C, 3 Turns Per Loop, Traffic Detector Induction Loop.....	1,122.69	
Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.				
34 41 13 00-0011	EA	6' x 40', Type C, 1 Turn Per Loop, Traffic Detector Induction Loop.....	1,401.02	
Note: Includes saw cutting, 1 turn wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.				
34 41 13 00-0012	EA	6' x 40', Type C, 2 Turns Per Loop, Traffic Detector Induction Loop.....	1,502.43	
Note: Includes saw cutting, 2 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.				
34 41 13 00-0013	EA	6' x 50', Type C, 1 Turn Per Loop, Traffic Detector Induction Loop.....	1,603.39	
Note: Includes saw cutting, 1 turn wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.				
34 41 13 00-0014	EA	6' x 50', Type C, 2 Turns Per Loop, Traffic Detector Induction Loop.....	1,727.25	
Note: Includes saw cutting, 2 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.				
34 41 13 00-0015	LF	In Pavement, Lead Wire For Traffic Signal Detector.....	8.36	
Note: Includes saw cutting, sealing and splicing into traffic signal loop wire in street. Excludes junction box or conduit.				
34 41 13 00-0016	LF	In Earthwork, Lead Wire For Traffic Signal Detector.....	3.73	
Note: Includes trenching in earthwork and splicing into traffic signal loop wire. Excludes junction box or conduit.				
34 41 13 00-0017	EA	2 Channel, Rack Mounted, Traffic Loop Vehicle Detector (Reno A&E Model 222).....	282.74	
34 41 13 00-0018	EA	4 Channel, Rack Mounted, Traffic Loop Vehicle Detector (Reno A&E Model E-1100).....	814.08	
34 41 13 00-0019	EA	2 Channel, Rack Mounted, Traffic Loop Bicycle Detector (Reno A&E Model C-1100).....	502.32	

34 41 13 00-0020 Overhead Traffic Signals^(34 41 13)

34 41 13 00-0021	EA	Vehicle Signal Face, LED, 1 - 12" Section.....	569.63	166.25
34 41 13 00-0022	EA	Vehicle Signal Face, LED, 2 - 12" Sections.....	936.61	234.72
34 41 13 00-0023	EA	Vehicle Signal Face, LED, 3 - 12" Sections.....	1,325.00	286.87
34 41 13 00-0024	EA	Vehicle Signal Face, LED, 3 - 12" Sections, Middle Section Blank.....	1,254.57	286.87
34 41 13 00-0025	EA	Vehicle Signal Face, LED, 4 - 12" Sections.....	1,695.40	319.47
34 41 13 00-0026	EA	Vehicle Signal Face, LED, 5 - 12" Sections.....	2,039.72	339.03
34 41 13 00-0027	EA	Vehicle Signal Face, LED, 5 - 12" Sections, Cluster.....	2,175.88	339.03
34 41 13 00-0028	EA	Vehicle Signal Face, LED, 1 - 8" Section.....	534.41	166.25
34 41 13 00-0029	EA	Vehicle Signal Face, LED, 2 - 8" Sections.....	866.18	234.72
34 41 13 00-0030	EA	Vehicle Signal Face, LED, 3 - 8" Sections.....	1,153.62	286.87
34 41 13 00-0031	EA	Vehicle Signal Face, LED, 2 - 8" Sections, 1 - 12" Section.....	1,240.49	286.87
34 41 13 00-0032	EA	Vehicle Signal Face, LED, 2 - 8" Sections, 2 - 12" Sections.....	1,545.15	319.47
34 41 13 00-0033	EA	Vehicle Signal Face, LED, 3 - 8" Sections, 1 - 12" Section.....	1,495.85	319.47
34 41 13 00-0034	EA	Vehicle Signal Face, LED, 3 - 8" Sections, 2 - 12" Sections.....	1,781.47	339.03
34 41 13 00-0035	EA	Vehicle Signal Face, LED, 3 - 8" Sections, 2 - 12" Sections In Cluster.....	1,891.81	339.03
34 41 13 00-0036	EA	Vehicle Signal Face, LED, 3 - 12" Sections, Optically Programmed.....	2,780.58	286.87
34 41 13 00-0037	EA	Vehicle Signal Face, LED, 4 - 12" Sections, Optically Programmed.....	3,651.04	319.47
34 41 13 00-0038	EA	Vehicle Signal Face, LED, 5 - 12" Sections, Optically Programmed.....	4,786.53	339.03
34 41 13 00-0039	EA	Vehicle Signal Face, LED, 5 - 12" Sections In Cluster, Optically Programmed.....	5,197.37	339.03
34 41 13 00-0040	EA	Bracket Signal Mounting Assembly.....	556.60	130.40
34 41 13 00-0041	EA	Mast Arm Signal Mounting Assembly.....	977.03	260.79
34 41 13 00-0042	EA	Top Pole Signal Mounting Assembly.....	341.15	97.79
34 41 13 00-0043	EA	Pedestrian Signal Head.....	1,025.07	195.59
34 41 13 00-0044	EA	Pedestrian Signal Insert.....	639.31	97.79
34 41 13 00-0045	EA	Audible Pedestrian Signal.....	1,467.52	
34 41 13 00-0046	EA	Junction Box, Pole Or Post Mounted.....	621.32	
34 41 13 00-0047	EA	Pedestrian Push Button.....	545.27	

34 Transportation**34 40 Transportation Signaling and Control Equipment****34 41 Roadway Signaling and Control Equipment**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

34 41 13 00-0048	EA	Illuminated Sign, Bracket Mounted, Symbolic.....	4,571.82	
34 41 13 00-0049	EA	Illuminated Sign, Mast Arm Mounted, Symbolic.....	4,760.28	
34 41 13 00-0050	EA	Sign, Message, "BLANK OUT", Bracket Mounted.....	5,050.55	
34 41 13 00-0051	EA	Sign, Message, "BLANK OUT", Mast Arm Mounted.....	5,361.76	
34 41 13 00-0052	EA	Sign, Fiber Optic, Bracket Mounted.....	5,777.14	
34 41 13 00-0053	EA	Sign, Fiber Optic, Mast Arm Mounted.....	6,094.80	
34 41 13 00-0054	EA	16" Pedestal With Base Plate And Cover.....	1,833.20	179.08
34 41 13 00-0055	EA	30' Type 15TS Signal And Lighting Standard.....	8,651.62	
		Note: 8" diameter base and 3-7/8" diameter top. 0.1793" wall thickness.		
34 41 13 00-0056	EA	35' Type 21TS Signal And Lighting Standard.....	10,112.07	
		Note: 9-3/8" diameter base and 3-9/16" diameter top. 0.1793" wall thickness.		
34 41 13 00-0057	EA	17' Type 18-2-100 Signal And Lighting Standard.....	4,787.29	
		Note: 10-3/4" diameter base and 8-7/16" diameter top. 0.1793" wall thickness.		
34 41 13 00-0058	EA	17' Type 18-3-100 Signal And Lighting Standard.....	5,351.17	
		Note: 10-3/4" diameter base and 8-7/16" diameter top. 0.2391" wall thickness.		
34 41 13 00-0059	EA	17' Type 18-4-100 Or 23-4-100 Signal And Lighting Standard.....	5,567.32	
		Note: 12" diameter base and 9" diameter top. 0.2391" wall thickness.		
34 41 13 00-0060	EA	17' Type 23-3-100 Signal And Lighting Standard.....	5,567.32	
		Note: 12" diameter base and 9-5/8" diameter top. 0.2391" wall thickness.		
34 41 13 00-0061	EA	17' Type 23-4-100 Signal And Lighting Standard.....	5,680.80	
		Note: 12" diameter base and 9-5/8" diameter top. 0.2391" wall thickness.		
34 41 13 00-0062	EA	17' Type 27-3-100 Signal And Lighting Standard.....	6,248.23	
		Note: 12-1/8" diameter base and 9-3/4" diameter top. 0.3125" wall thickness.		
34 41 13 00-0063	EA	17' Type 27-4-100 Signal And Lighting Standard.....	6,378.71	
		Note: 13-1/2" diameter base and 9-3/4" diameter top. 0.3125" wall thickness.		
34 41 13 00-0064	EA	17' Type 28-5-100 Signal And Lighting Standard.....	6,646.25	
		Note: 14" diameter base and 11-11/16" diameter top. 0.3125" wall thickness.		
34 41 13 00-0065	EA	17' Type 60-5-100 Signal And Lighting Standard.....	7,067.62	
		Note: 16" diameter base and 13-11/16" diameter top. 0.3125" wall thickness.		
34 41 13 00-0066	EA	18"-6" Type 16-2-100 Or 16-3-100 Signal And Lighting Standard.....	5,119.00	
		Note: 10-3/4" diameter base and 8-1/4" diameter top. 0.1793" wall thickness.		
34 41 13 00-0067	EA	30' Type 17-2-100 Or 17-3-100 Signal And Lighting Standard.....	9,243.69	
		Note: 10-3/4" diameter base and 6-5/8" diameter top. 0.1793" wall thickness.		
34 41 13 00-0068	EA	30' Type 19-2-100 Signal And Lighting Standard.....	10,427.84	
		Note: 10-3/4" diameter base and 6-5/8" diameter top. 0.2391" wall thickness.		
34 41 13 00-0069	EA	30' Type 19-3-100 Or 24-3-100 Signal And Lighting Standard.....	10,881.76	
		Note: 12" diameter base and 7-7/8" diameter top. 0.2391" wall thickness.		
34 41 13 00-0070	EA	30' Type 19-4-100 Or 24-4-100 Signal And Lighting Standard.....	10,881.76	
		Note: 12" diameter base and 8" diameter top. 0.2391" wall thickness.		
34 41 13 00-0071	EA	30' Type 26-3-100 Signal And Lighting Standard.....	12,311.61	
		Note: 12-1/8" diameter base and 8" diameter top. 0.3125" wall thickness.		
34 41 13 00-0072	EA	30' Type 26-4-100 Signal And Lighting Standard.....	12,859.74	
		Note: 13-1/2" diameter base and 8" diameter top. 0.3125" wall thickness.		
34 41 13 00-0073	EA	30' Type 29-5-100 Signal And Lighting Standard.....	13,435.24	
		Note: 14" diameter base and 9-7/8" diameter top. 0.3125" wall thickness.		
34 41 13 00-0074	EA	30' Type 61-5-100 Signal And Lighting Standard.....	14,341.69	
		Note: 16" diameter base and 11-7/8" diameter top. 0.3125" wall thickness.		
34 41 13 00-0075	EA	35' Type 17A-2-100 Signal And Lighting Standard.....	10,752.18	
		Note: 10-3/4" diameter base and 5-15/16" diameter top. 0.1793" wall thickness.		
34 41 13 00-0076	EA	35' Type 19A-2-100 Signal And Lighting Standard.....	12,133.69	
		Note: 10-3/4" diameter base and 5-15/16" diameter top. 0.2391" wall thickness.		
34 41 13 00-0077	EA	35' Type 19A-3-100 Or 24A-3-100 Signal And Lighting Standard.....	12,663.28	
		Note: 12" diameter base and 7-3/16" diameter top. 0.2391" wall thickness.		
34 41 13 00-0078	EA	35' Type 19A-4-100 Or 24A-4-100 Signal And Lighting Standard.....	12,663.28	
		Note: 12" diameter base and 7-5/16" diameter top. 0.2391" wall thickness.		
34 41 13 00-0079	EA	35' Type 26A-3-100 Signal And Lighting Standard.....	14,331.43	
		Note: 12-1/8" diameter base and 7-5/16" diameter top. 0.3125" wall thickness.		
34 41 13 00-0080	EA	35' Type 26A-4-100 Signal And Lighting Standard.....	14,970.90	
		Note: 13-1/2" diameter base and 7-5/16" diameter top. 0.3125" wall thickness.		
34 41 13 00-0081	EA	35' Type 29A-5-100 Signal And Lighting Standard.....	15,642.34	
		Note: 14" diameter base and 9-3/16" diameter top. 0.3125" wall thickness.		
34 41 13 00-0082	EA	35' Type 61A-5-100 Signal And Lighting Standard.....	16,699.84	
		Note: 16" diameter base and 11" diameter top. 0.3125" wall thickness.		
34 41 13 00-0083	EA	15' Steel Straight Mast Arm, MONOTUBE.....	3,373.45	
34 41 13 00-0084	EA	20' Steel Straight Mast Arm, MONOTUBE.....	3,538.37	
34 41 13 00-0085	EA	25' Steel Straight Mast Arm, MONOTUBE.....	3,801.26	
34 41 13 00-0086	EA	30' Steel Straight Mast Arm, MONOTUBE.....	5,221.88	
34 41 13 00-0087	EA	35' Steel Straight Mast Arm, MONOTUBE.....	6,327.38	
34 41 13 00-0088	EA	40' Steel Straight Mast Arm, MONOTUBE.....	6,804.99	
34 41 13 00-0089	EA	45' Steel Straight Mast Arm, MONOTUBE.....	7,466.31	
34 41 13 00-0090	EA	50' Steel Straight Mast Arm, MONOTUBE.....	8,478.34	
34 41 13 00-0091	EA	55' Steel Straight Mast Arm, MONOTUBE.....	9,620.98	
34 41 13 00-0092	EA	60' Steel Straight Mast Arm, MONOTUBE.....	10,331.90	
34 41 13 00-0093	EA	65' Steel Straight Mast Arm, MONOTUBE.....	12,001.22	
34 41 13 00-0094	EA	4' Steel Curved Luminaire Mast Arm.....	1,139.80	
34 41 13 00-0095	EA	6' Steel Curved Luminaire Mast Arm.....	1,487.46	
		For High Rise Arm, Add.....	140.97	
34 41 13 00-0096	EA	8' Steel Curved Luminaire Mast Arm.....	1,861.20	
34 41 13 00-0097	EA	10' Steel Curved Luminaire Mast Arm.....	2,501.32	
		For High Rise Arm, Add.....	207.51	
34 41 13 00-0098	EA	12' Steel Curved Luminaire Mast Arm.....	2,785.50	
		For High Rise Arm, Add.....	244.72	
34 41 13 00-0099	EA	15' Steel Curved Luminaire Mast Arm.....	2,937.38	
		For High Rise Arm, Add.....	272.92	
34 41 13 00-0100	EA	20' Steel Curved Luminaire Mast Arm.....	3,361.69	
		For High Rise Arm, Add.....	325.92	
34 41 13 00-0101	EA	15' Tubular Aluminum Post.....	1,192.85	
34 41 13 00-0102	EA	17' Tubular Aluminum Post.....	1,264.79	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0103	EA	20'	Tubular Aluminum Post.....	1,400.63	
34 41 13 00-0104	EA	14'	High Galvanized Steel Traffic Signal Pole.....	4,223.41	
			Note: For mast arm.		
34 41 13 00-0105	EA	21'	High Galvanized Steel Traffic Signal Pole.....	6,554.11	
			Note: For mast arm.		
34 41 13 00-0106	EA	22'	High Galvanized Steel Traffic Signal Pole.....	6,817.26	
			Note: For mast arm and luminare arm.		
34 41 13 00-0107	EA	30'	High Galvanized Steel Traffic Signal Pole, Tapered, For >55' Mast Arm.....	9,238.36	
			Note: For mast arm and luminare arm.		
34 41 13 00-0108	EA	32'	High Galvanized Steel Traffic Signal Pole, Tapered, For Up To 55' Mast Arm.....	9,862.21	
			Note: For mast arm and luminare arm.		
34 41 13 00-0109	EA	30'	High Galvanized Steel Traffic Signal Pole, Tapered, For Up To 55' Mast Arm.....	7,613.97	
34 41 13 00-0110	EA	30'	High Galvanized Steel Traffic Signal Pole, Octafute.....	6,757.14	
34 41 13 00-0111	EA	30'	(High Spun Aluminum Traffic Signal Pole, Tapered.....	5,461.15	
34 41 13 00-0112	EA	Type 26-6-70	Signal Pole With 55' SMA And 20' LMA.....	26,020.12	
34 41 13 00-0113	EA	Type 29-6-70	Signal Pole With 65' SMA And 20' LMA.....	29,982.61	
34 41 13 00-0114	EA		CUT-OFF POLE AND CAPPED.....	189.89	
34 41 13 00-0115	EA		PAINT EXISTING SL/TS CONTROLLER COMPLETE.....	57.66	
34 41 13 00-0116	EA		PAINT EXISTING TS POST COMPLETE.....	269.09	
34 41 13 00-0117	EA		1 Channel Loop Detector Amplifier.....	1,972.85	
34 41 13 00-0118	EA		4 Channel Loop Detector Amplifier.....	3,767.98	
34 41 13 00-0119	LF		Loop Detector.....	7.74	
			Note: Includes saw cutting, sealing and splicing into leads in street.		
34 41 13 00-0120	LF		Detector Loop Cable (Lead Wire).....	7.64	
34 41 13 00-0121	LF		Detector Loop Cable, Loop Type B.....	7.45	
34 41 13 00-0122	EA		FLASHING BEACON WITH DOWNLIGHT.....	2,622.14	
34 41 13 00-0123	EA		Flashing Beacon, Bracket Mounted.....	822.44	
34 41 13 00-0124	EA		Flashing Beacon, Mast Arm Mounted.....	822.44	
34 41 13 00-0125	EA		Flashing Beacon, Solar Powered, Bracket Mounted.....	24,305.93	
34 41 13 00-0126	EA		7-WIRE MASTER INTERCONNECT.....	1,763.08	
34 41 13 00-0127	EA		7-WIRE SLAVE INTERCONNECT.....	1,687.90	
34 41 13 00-0128	EA		Service Equipment Enclosure, Type III-AF.....	1,485.34	
34 41 13 00-0129	EA	12", 3	Section Signal, Mast Arm Mounted.....	1,649.97	
34 41 13 00-0130	EA	8", 3	Section Signal, Mast Arm Mounted.....	1,470.72	
34 41 13 00-0131	EA	12"	FCV Visor.....	104.63	
34 41 13 00-0132	EA	8"	FCV Visor.....	73.33	
34 41 13 00-0133	EA		Eggcrate Visor.....	100.76	
34 41 13 00-0134	EA		Pedestrian H/M.....	1,115.08	
34 41 13 00-0135	EA		Pedestrian Audio.....	1,230.42	
34 41 13 00-0136	EA		Adjustable Pushbutton.....	294.35	
34 41 13 00-0137	EA		ADA Cap And Switch.....	380.52	
34 41 13 00-0138	EA	3	Section 12" Backplate.....	168.31	
34 41 13 00-0139	EA	3	Section 12" MAS Mount Backplate.....	247.80	
34 41 13 00-0140	EA	3	Section 8" Backplate.....	135.05	
34 41 13 00-0141	EA	12"	Red LED Lenses.....	287.17	
34 41 13 00-0142	EA	12"	Amber LED Lenses.....	308.71	
34 41 13 00-0143	EA	12"	Green LED Lenses.....	545.06	
34 41 13 00-0144	EA	12"	Red Arrow.....	285.43	
34 41 13 00-0145	EA	12"	Amber Arrow.....	269.66	
34 41 13 00-0146	EA	12"	Green Arrow.....	407.90	
34 41 13 00-0147	EA	8"	Red.....	282.24	
34 41 13 00-0148	EA	8"	Amber.....	270.59	
34 41 13 00-0149	EA	8"	Green.....	328.09	
34 41 13 00-0150	EA		Hand/Man.....	497.02	
34 41 13 00-0151	EA		Frameworks, 8" TV-1-T.....	605.50	
34 41 13 00-0152	EA		Frameworks, 8" TV-2-T.....	689.20	
34 41 13 00-0153	EA		Frameworks, MAT MT.....	179.15	
34 41 13 00-0154	EA		Frameworks, MAS MT.....	195.89	
34 41 13 00-0155	EA		Frameworks, 3W PT TC.....	404.46	
34 41 13 00-0156	EA		Frameworks, 2W PT TC.....	393.02	
34 41 13 00-0157	EA		Frameworks, 2W SM TC.....	370.70	
34 41 13 00-0158	EA		Frameworks, SV-1.....	245.01	
34 41 13 00-0159	EA		Frameworks, TV-1.....	236.64	
34 41 13 00-0160	EA		Type III Service Pedestal.....	4,813.75	
34 41 13 00-0161	EA		Single Fuse Holder.....	44.17	
34 41 13 00-0162	EA		Double Fuse Holder.....	114.44	
34 41 13 00-0163	EA		Pullbox, 1-1/2" x 20" x 14".....	100.88	
34 41 13 00-0164	EA		Pullbox, 5" x 28" x 18".....	137.65	
34 41 13 00-0165	EA		Pullbox, 6" x 36" x 23".....	179.61	
34 41 13 00-0166	EA		Pullbox Lids, FL9D.....	113.67	
34 41 13 00-0167	EA		Pullbox Lids, FL30D.....	213.57	
34 41 13 00-0168	EA		Pullbox Lids, FL36D.....	55.61	
34 41 13 00-0169	EA		Wireless Access Point (Proxim Tsunami MP11 954-BSUR-US).....	4,271.40	
34 41 13 00-0170	EA		Ruggedized Subscriber Unit (Proxim Tsunami MP11 954-SUA-US).....	2,289.76	
34 41 13 00-0171	EA		Smart Sensor HD (Wavetronix HD125).....	12,225.39	
34 41 13 00-0172	EA		Access Point (Sensys AP240-ES).....	5,648.58	
			Note: RJ45 port supports simultaneous Ethernet and CC card communications (split via Access Box) combined with data relay, statistics-processing and VPN functionality.		
34 41 13 00-0173	EA		Sensys Access Point AP240-ESC-VER - RJ45 port supports simultaneous Ethernet and CC card communications (split via Access Box) combined with data relay, statistics-processing and VPN functionality with Integrated 1xRTT cellular data modem for data relay via CDMA.....	9,777.80	
34 41 13 00-0174	EA		Mounting Kit for Access Points and Repeaters (KIT-MTG).....	342.04	
34 41 13 00-0175	EA		Repeater (Sensys RP240-B-LL).....	2,587.49	
			Note: Nominal battery capacity of 171 Ah with seven (7) year battery-life.		
34 41 13 00-0176	EA		Wireless Flush Mounted Sensor (Sensys VSN240-F).....	1,150.56	
			Note: Excludes coring.		

34 Transportation**34 40 Transportation Signaling and Control Equipment****34 41 Roadway Signaling and Control Equipment**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

34 41 13 00-0177	EA	Sensor Mounting Bracket, Cable, Lightning Surge Protector, Power Supply, Breaker, AC Surge Protector, Din Rail and Power Plug	2,870.66	
34 41 13 00-0178	EA	Pole Base Foundation for 17-2-80, 17-2-100, 19-2-80 Poles.....	7,592.37	1.71
34 41 13 00-0179	EA	Pole Base Foundation for 17-3-80, 19-3-80, 26-3-80 & 26-4-80 Poles	9,936.60	1.71
34 41 13 00-0180	EA	Pole Base Foundation for Type 15 and 21 Poles.....	5,925.36	1.71
34 41 13 00-0181	EA	Pole Base Foundation for 18-4-100, 19-4-100, 23-4-100, And 24-4-100 Poles	7,592.37	1.71
34 41 13 00-0182	EA	Pole Base Foundation for 26-4-100 And 27-4-100 Poles	9,936.60	1.71
34 41 13 00-0183	EA	LED Enhanced Pedestrian Crossing Symbol Sign	2,015.67	107.23
		Note: 2 required per system.		
34 41 13 00-0184	EA	42" Height, 8-1/2" Diameter Automatic Bollard Activation System.....	5,769.07	643.39
		Note: 4 required per system.		
34 41 13 00-0185	EA	Power Control Unit With Enclosure (Solar).....	20,726.93	428.92
		Note: LightGuard Systems solar power equipment Includes: one solar array consisting of 1 Siemens SP70 solar power module (21" x 47" to be pole mounted, pole not included), #14 AWG solar tray cable, mounting hardware, one enclosure (16-1/2" width x 27-1/2" height x 15" depth), two 12V 80AH deep cycle gel cell batteries and a solar power control unit (PCU).		
34 41 13 00-0186	EA	Power Control Unit With Enclosure (A/C)	13,256.65	428.92
34 41 13 00-0187	EA	Push Button Assembly With Sign	1,126.35	214.46
34 41 13 00-0188	EA	Advanced Warning Signs.....	2,273.24	214.46
34 41 13 00-0189	EA	Traffic Signal Controller Unit, TS 2 Type 1 (ASC/3-1000).....	6,494.92	
34 41 13 00-0190	EA	Traffic Signal Controller Unit, TS 2 Type 2 (ASC/3-2100).....	6,694.47	
34 41 13 00-0191	EA	Traffic Signal Controller Unit, TS 2 Type 2 Econolite Model ASC/2S-2100	61,196.33	
34 41 13 00-0192	EA	Traffic Signal Controller Unit, Replacement For Type 170E (ASC/3RM)	6,964.46	1,043.17
34 41 13 00-0193	EA	Optical Detector For Mast Arm Mounting, 1 Channel, 1 Way	1,209.02	
34 41 13 00-0194	EA	Optical Detector For Mast Arm Mounting, 1 Channel, 2 Way	1,326.41	
34 41 13 00-0195	EA	Optical Detector For Mast Arm Mounting, 2 Channel	1,711.43	
34 41 13 00-0196	EA	2 Channel Phase Selector	3,991.08	
34 41 13 00-0197	EA	4 Channel Phase Selector	6,209.65	
34 41 13 00-0198	EA	Malfunction Management Unit For Use With NEMA Controller.....	1,995.53	
34 41 13 00-0199	EA	Malfunction Management Unit For Use With Type 170E Or 2070 Controller.....	1,995.53	58.68
34 41 13 00-0200	EA	Optical Detector For Pole-Side Mounting, 1 Channel, 1 Way	1,209.02	234.75
34 41 13 00-0201	EA	Optical Detector For Pole-Side Mounting, 1 Channel, 2 Way	1,326.41	234.75
34 41 13 00-0202	EA	Optical Detector For Pole-Side Mounting, 2 Channel	1,711.43	234.75
34 41 13 00-0203	EA	Optical Detector For Pedestal Or Pipe Mounting, 1 Channel, 1 Way.....	1,209.02	234.75
34 41 13 00-0204	EA	Optical Detector For Pedestal Or Pipe Mounting, 1 Channel, 2 Way.....	1,326.41	234.75
34 41 13 00-0205	EA	Optical Detector For Pedestal Or Pipe Mounting, 2 Channel.....	1,711.43	234.75
34 41 13 00-0206	EA	Optical Detector For Span Wire Mounting, 1 Channel, 1 Way	1,209.02	234.75
34 41 13 00-0207	EA	Optical Detector For Span Wire Mounting, 1 Channel, 2 Way	1,326.41	234.75
34 41 13 00-0208	EA	Optical Detector For Span Wire Mounting, 2 Channel	1,711.43	234.75
34 41 13 00-0209	EA	Optical Detector For Signal Top Mounting, 1 Channel, 1 Way.....	1,209.02	234.75
34 41 13 00-0210	EA	Optical Detector For Signal Top Mounting, 1 Channel, 2 Way.....	1,326.41	234.75
34 41 13 00-0211	EA	Optical Detector For Signal Top Mounting, 2 Channel.....	1,711.43	234.75
34 41 13 00-0212	EA	Time Switch, 1-Circuit.....	269.23	
34 41 13 00-0213	EA	Digital Loop-Type Vehicle Detector Card, 2-Channel, Normal.....	400.29	
34 41 13 00-0214	EA	Digital Loop-Type Vehicle Detector Card, 2-Channel, Stretch/Delay.....	524.71	
34 41 13 00-0215	EA	Digital Loop-Type Vehicle Detector Card, 4-Channel, Normal.....	747.75	
34 41 13 00-0216	EA	Digital Loop-Type Vehicle Detector Card, 4-Channel, Stretch/Delay.....	940.26	
34 41 13 00-0217	EA	Digital Loop-Type Vehicle Detector Card Rack With Power Supply	2,560.17	
34 41 13 00-0218	EA	Digital Loop-Type Vehicle Detector Card Rack With Power Supply For Remote Detector Cabinet.....	2,560.17	
34 41 13 00-0219	EA	Power Line Surge Protector - Edco SHP 300-10	234.51	
34 41 13 00-0220	EA	Loop Detector Surge Protector - Edco SRA-6LC	118.21	
34 41 13 00-0221	EA	Controller Cabinet (Econolite Type "O").....	34,970.54	
34 41 13 00-0222	EA	Controller Cabinet With 1 Detector Rack And 1 Load Switch Bay	15,069.09	
34 41 13 00-0223	EA	Controller Cabinet With 1 Detector Rack And 2 Load Switch Bays	16,407.27	
34 41 13 00-0224	EA	Controller Cabinet With 2 Detector Racks And 1 Load Switch Bay	18,015.45	
34 41 13 00-0225	EA	Controller Cabinet With 2 Detector Racks And 2 Load Switch Bays.....	18,508.47	
34 41 13 00-0226	EA	Speed Limit Beacon Control Cabinet.....	7,434.00	
34 41 13 00-0227	EA	Speed Limit Beacon Control Option.....	6,651.63	391.19
34 41 13 00-0228	EA	Remote Detector Cabinet	3,795.07	
34 41 13 00-0229	EA	Traffic Signal Hand Control	1,082.49	
34 41 13 00-0230	EA	Extra Pedestrian Detector Isolation Assembly	847.71	
34 41 13 00-0231	EA	Fiber Optic Transceivers-Repeater Module	1,205.74	
34 41 13 00-0232	EA	Field Transceiver-Repeater	597.85	
34 41 13 00-0233	EA	Load Switch	109.17	
34 41 13 00-0234	EA	30" Pedestal With Base Plate And Cover	951.67	
34 41 13 00-0235	EA	8' Pedestal With Base Plate And Cover.....	1,404.27	
34 41 13 00-0236	EA	11' Pedestal With Base Plate And Cover.....	1,563.37	
34 41 13 00-0237	EA	15' Pedestal With Base Plate And Cover	1,735.38	
34 41 13 00-0238	LF	6-Fiber Interconnect Cable, Fiber Optic, Single Mode	1.64	
34 41 13 00-0239	LF	12-Fiber Interconnect Cable, Fiber Optic, Single Mode	1.74	
34 41 13 00-0240	LF	24-Fiber Interconnect Cable, Fiber Optic, Single Mode	2.11	
34 41 13 00-0241	LF	36-Fiber Interconnect Cable, Fiber Optic, Single Mode	2.48	
34 41 13 00-0242	LF	48-Fiber Interconnect Cable, Fiber Optic, Single Mode	2.85	
34 41 13 00-0243	LF	72-Fiber Interconnect Cable, Fiber Optic, Single Mode	3.51	
34 41 13 00-0244	LF	96-Fiber Interconnect Cable, Fiber Optic, Single Mode	4.15	
34 41 13 00-0245	LF	144-Fiber Interconnect Cable, Fiber Optic, Single Mode	5.41	
34 41 13 00-0246	LF	3/16" Diameter Messenger Cable.....	0.74	0.11
34 41 13 00-0247	LF	1/4" Diameter Messenger Cable	0.89	0.11
34 41 13 00-0248	LF	3/8" Diameter Messenger Cable	1.67	0.11
34 41 13 00-0249	LF	1/2" Diameter Messenger Cable	3.48	0.22
34 41 13 00-0250	EA	4' Diameter x 10' Concrete Base For Poles	2,907.92	
		Note: Includes drilling in earth, rebar, bolts, forms for exposed base, bolts and concrete.		
34 41 13 00-0251	EA	4' Diameter x 16' Concrete Base For Poles	4,591.90	
		Note: Includes drilling in earth, rebar, bolts, forms for exposed base, bolts and concrete.		
34 41 13 00-0252	EA	Internally Illuminated Street Name Sign, 1 Line, 4'	2,963.19	260.79
34 41 13 00-0253	EA	Internally Illuminated Street Name Sign, 1 Line, 6'	3,657.04	325.99

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0254	EA		Internally Illuminated Street Name Sign, 1 Line, 8'	3,975.25	391.19
34 41 13 00-0255	EA		Internally Illuminated Street Name Sign, 1 Line, 10'	4,481.27	456.39
34 41 13 00-0256	EA		Internally Illuminated Street Name Sign, 1 Line, 12'	4,799.49	521.58
34 41 13 00-0257	EA		Internally Illuminated Street Name Sign, 2 Line, 4'	4,738.05	260.79
34 41 13 00-0258	EA		Internally Illuminated Street Name Sign, 2 Line, 6'	5,835.70	325.99
34 41 13 00-0259	EA		Internally Illuminated Street Name Sign, 2 Line, 8'	6,285.39	391.19
34 41 13 00-0260	EA		Internally Illuminated Street Name Sign, 2 Line, 10'	7,016.79	456.39
34 41 13 00-0261	EA		Internally Illuminated Street Name Sign, 2 Line, 12'	7,522.82	521.58
34 41 13 00-0262	EA		Photoelectric Controller, Multi-Volt.....	96.25	30.52
34 41 13 00-0263	EA		Photoelectric Controller, 120 Volt	94.43	30.52
34 41 13 00-0264	EA		Photoelectric Controller, 480 Volt	94.43	30.52
34 41 13 00-0265	EA		Wi-Fi Communication Unit	1,549.68	130.40
34 41 13 00-0266	EA		Wi-Fi Communication Unit Mounting Bracket	312.97	97.79
34 41 13 00-0267	EA		Wi-Fi Communication Unit Power Supply / POE Injector	292.39	65.20
34 41 13 00-0268	EA		Wi-Fi Communication Unit Packet	2,155.04	195.59
34 41 13 00-0269	LF		Preemptor Detector Cable	1.68	
34 41 13 00-0270	EA		Sno-Shoe Cable Storage Assembly	274.10	
34 41 13 00-0271 Traffic Signal Cable (34 41 13)					
34 41 13 00-0272	LF		16 AWG, 2-Conductor, Solid, Traffic Signal Cable	2.22	0.91
34 41 13 00-0273	LF		16 AWG, 3-Conductor, Solid, Traffic Signal Cable	2.53	0.97
34 41 13 00-0274	LF		16 AWG, 4-Conductor, Solid, Traffic Signal Cable	2.83	1.04
34 41 13 00-0275	LF		16 AWG, 5-Conductor, Solid, Traffic Signal Cable	3.11	1.10
34 41 13 00-0276	LF		16 AWG, 6-Conductor, Solid, Traffic Signal Cable	3.47	1.16
34 41 13 00-0277	LF		16 AWG, 8-Conductor, Solid, Traffic Signal Cable	4.07	1.29
34 41 13 00-0278	LF		16 AWG, 10-Conductor, Solid, Traffic Signal Cable	4.82	1.48
34 41 13 00-0279	LF		16 AWG, 12-Conductor, Solid, Traffic Signal Cable	5.56	1.68
34 41 13 00-0280	LF		16 AWG, 16-Conductor, Solid, Traffic Signal Cable	6.68	1.87
34 41 13 00-0281	LF		16 AWG, 20-Conductor, Solid, Traffic Signal Cable	8.05	2.06
34 41 13 00-0282	LF		14 AWG, 2-Conductor, Solid, Traffic Signal Cable	2.32	0.91
34 41 13 00-0283	LF		14 AWG, 3-Conductor, Solid, Traffic Signal Cable	2.68	0.97
34 41 13 00-0284	LF		14 AWG, 4-Conductor, Solid, Traffic Signal Cable	3.02	1.04
34 41 13 00-0285	LF		14 AWG, 5-Conductor, Solid, Traffic Signal Cable	3.34	1.10
34 41 13 00-0286	LF		14 AWG, 6-Conductor, Solid, Traffic Signal Cable	3.76	1.16
34 41 13 00-0287	LF		14 AWG, 8-Conductor, Solid, Traffic Signal Cable	4.45	1.29
34 41 13 00-0288	LF		14 AWG, 10-Conductor, Solid, Traffic Signal Cable	5.28	1.48
34 41 13 00-0289	LF		14 AWG, 12-Conductor, Solid, Traffic Signal Cable	6.12	1.68
34 41 13 00-0290	LF		14 AWG, 16-Conductor, Solid, Traffic Signal Cable	7.41	1.87
34 41 13 00-0291	LF		14 AWG, 20-Conductor, Solid, Traffic Signal Cable	9.03	2.06
34 41 13 00-0292	LF		12 AWG, 2-Conductor, Solid, Traffic Signal Cable	2.57	0.91
34 41 13 00-0293	LF		12 AWG, 3-Conductor, Solid, Traffic Signal Cable	3.03	0.97
34 41 13 00-0294	LF		12 AWG, 4-Conductor, Solid, Traffic Signal Cable	3.48	1.04
34 41 13 00-0295	LF		12 AWG, 5-Conductor, Solid, Traffic Signal Cable	3.89	1.10
34 41 13 00-0296	LF		12 AWG, 6-Conductor, Solid, Traffic Signal Cable	4.44	1.16
34 41 13 00-0297	LF		12 AWG, 8-Conductor, Solid, Traffic Signal Cable	5.34	1.29
34 41 13 00-0298	LF		12 AWG, 10-Conductor, Solid, Traffic Signal Cable	6.39	1.48
34 41 13 00-0299	LF		12 AWG, 12-Conductor, Solid, Traffic Signal Cable	7.44	1.68
34 41 13 00-0300	LF		12 AWG, 16-Conductor, Solid, Traffic Signal Cable	9.18	1.87
34 41 13 00-0301	LF		12 AWG, 20-Conductor, Solid, Traffic Signal Cable	11.38	2.06
34 41 13 00-0302 School Zone Flasher Beacons (34 41 13)					
34 41 13 00-0303	EA		One 8" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly..... Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 30 Watt tilted solar panel, solar regulator, and solid state flasher.	6,194.40	196.16
34 41 13 00-0304	EA		One 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly..... Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 30 Watt tilted solar panel, solar regulator, and solid state flasher.	6,239.00	196.16
34 41 13 00-0305	EA		Two 8" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly..... Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher.	6,996.21	196.16
34 41 13 00-0306	EA		Two 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly..... Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher.	7,138.94	196.16
34 41 13 00-0307	EA		10" Digit Radar Display, One 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly ... Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 80 Watt tilted solar panel, solar regulator, and solid state flasher.	13,166.72	196.16
34 41 13 00-0308	EA		10" Digit Radar Display, Two 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly ... Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher.	13,726.05	196.16
34 41 13 00-0309 Traffic Light Control Synchronization (34 41 13)					
34 41 13 00-0310	EA		ENCOM COMPAK IP Radio/Wireless Ethernet Transceiver, 900 MHz FHSS 1 Watt output power and 128-bit data encryption with 1.1Mbps Throughput.....	5,367.80	
34 41 13 00-0311	EA		ENCOM 5200R 900 MHz Serial Radio Modem, contains one Serial (RS-232 or RS-485) interface and 170/TS1/TS2 detector rack (EPR-5200R)	3,988.95	
34 41 13 00-0312	EA		ENCOM Dual 2.4/2.4 GHz Broadband Radio with Integrated Antenna (COMMPAKBB24/24)	9,035.76	
34 41 13 00-0313	EA		5.8 GHz Broadband Radio with Integrated Antenna (COMMPAKBB58INT)	6,218.56	
34 41 13 00-0314	EA		2.4 GHz Broadband Radio with Integrated Antenna (COMMPAKBB24INT)	6,218.56	
34 41 13 00-0315	EA		Solar Cabinet Assembly	16,614.78	
34 41 13 00-0316	EA		Data Controller Interface Cable Assembly	645.65	
34 41 13 00-0317	EA		900 MHZ Splitter	786.12	
34 41 13 00-0318	EA		900 MHZ Surge Suppressor	285.09	
34 41 13 00-0319	EA		Surge-Radio Lead in Cable	179.50	

34 Transportation**34 40 Transportation Signaling and Control Equipment****34 41 Roadway Signaling and Control Equipment**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

34 41 13 00-0320	EA	12DB GAIN YAGI Antenna	786.40	
34 41 13 00-0321	EA	PELCO Antenna Mounting Bracket	514.29	
34 41 13 00-0322	MLF	Coaxial Cable, LMR-400	4,343.03	
34 41 13 00-0323	EA	Perle 16 Port Serial Server	4,346.57	
34 41 13 00-0324	EA	Serial to Ethernet Card	2,382.09	
34 41 13 00-0325	EA	404 Stand-Alone Modem (GDI 404)	2,193.87	

34 41 13 00-0326**Traffic Signal Controls** (34 41 13)

34 41 13 00-0327	EA	Master Card for Type 2070 or NEMA TS2 traffic controllers (CC-TS2).....	1,866.68	
34 41 13 00-0328	EA	Extension Card for Type 2070 or NEMA traffic controllers (EX-TS2).....	801.04	
34 41 13 00-0329	EA	AccessBox for contract closure master card (CC-ACC).....	280.99	
34 41 13 00-0330	EA	Flush Mount Wireless Sensor (ATT VSN240-F).....	1,079.60	
34 41 13 00-0331	EA	Flush Mount Wireless Sensor (Speed & Count VSN240-F).....	1,079.60	
34 41 13 00-0332	EA	Epoxy Tube for Installation of Wireless Sensor (VSN240-EPX)	165.91	
34 41 13 00-0333	EA	SNAPS License for each enabled AP (SNAPS-PER-AP).....	460.24	

34 41 13 00-0334**Traffic Signal Devices** (34 41 13)

34 41 13 00-0335	EA	12" Polycarbonate Signal Head Housing (McCain).....	996.58	96.50
34 41 13 00-0336	EA	16" Polycarbonate Pedestrian Signal Housing (McCain)	501.68	75.06
34 41 13 00-0337	EA	Pedestrian Push Button Cap & Switch (McCain M31334)	359.16	139.40
34 41 13 00-0338	EA	Pedestrian Push Button Frame Assembly 4" Diameter Pole (McCain M19712)	487.84	203.73
34 41 13 00-0339	EA	Pedestrian Push Button Frame Assembly 2" Diameter Pole (McCain M30793)	373.92	160.84
34 41 13 00-0340	EA	16 Channel Conflict Monitor (McCain 2010 ECLIP)	1,515.50	69.70
34 41 13 00-0341	EA	LED Countdown Head (McCain GTX PS7-CFF1-VLA)	308.74	26.81
34 41 13 00-0342	EA	Traffic signal Video Detection Camera (Iteris RZ4-awdr).....	3,440.11	117.95
34 41 13 00-0343	EA	Camera processor card (Iteris Edge Connect).....	7,876.52	171.57
34 41 13 00-0344	EA	Wireless Broadband Radio (Encom BB58).....	7,438.22	160.84
34 41 13 00-0345	EA	24-port Gigabit and 4-port 1G/10G SFP+ Ethernet Switch (Etherwan EX77900)	4,907.95	128.68
34 41 13 00-0346	EA	Power Adapter (Mean Well DR-120-48)	164.01	40.22
34 41 13 00-0347	LF	14/1 Cal Trans Type 2 Inductive Traffic Detection Loops (Advanced Digital Cable 8452).....	0.93	
34 41 13 00-0348	EA	Radar Detection System (Wavetronix Matrix)	14,168.57	407.48
34 41 13 00-0349	EA	Pedestrian Audio Push Button (Polara APS)	404.18	101.87
34 41 13 00-0350	EA	Opticom Infrared System - Detector (GTT 711)	1,087.27	95.65
34 41 13 00-0351	EA	Opticom Infrared System - Detector (GTT 721)	1,216.47	107.02
34 41 13 00-0352	EA	Opticom Infrared System - Detector (GTT 722)	1,694.29	149.05
34 41 13 00-0353	EA	Opticom Multimode Phase Selector (GTT 764)	5,702.84	88.18
34 41 13 00-0354	LF	Opticom GPS Installation Cable (GTT 1070).....	1.12	
34 41 13 00-0355	EA	Precast Concrete Traffic Pull Box, 5-T, with steel frame & diamond steel plate lid ("Traffic Signal") (Jensen Precast HT1324)	943.60	
34 41 13 00-0356	EA	Precast Concrete Traffic Pull Box, 6-T, with steel frame & diamond steel plate lid ("Traffic Signal") (Jensen Precast HT1730)	1,000.93	
34 41 13 00-0357	EA	UPS Module (Alpha Technologies FXM 350)	1,539.55	58.68
Note: For battery backup in traffic signal control cabinet				
34 41 13 00-0358	EA	Web Connected Relay Switch (Control by Web X-301 WebRelay-Dual).....	478.09	48.26
Note: To control flashing "School" signs				
34 41 13 00-0359	LF	Fiber optic cable, 72 strand, single mode, riser non-plenum jacket (Optical Cable Corp DX072DSLX9KR).....	10.86	0.49
34 41 13 00-0360	LF	Fiber optic cable, 12 strand, multi mode, riser non-plenum jacket (Superior Essex W30126G01 MM Fiber)	2.57	0.42
34 41 13 00-0361	EA	12" LED Signal Module, Tinted Lens, Red (GE DR6-RTFB-VLA).....	136.67	48.26
34 41 13 00-0362	EA	12" LED Signal Module, Tinted Lens, Yellow (GE DR6-YTFB-VLA).....	136.67	48.26
34 41 13 00-0363	EA	12" LED Signal Module, Tinted Lens, Green (GE DR6-GTFB-VLA)	136.67	48.26
34 41 13 00-0364	EA	12" LED Signal Module, Clear Lens, Red (GE DR6-RCFB-VLA)	136.67	48.26
34 41 13 00-0365	EA	12" LED Signal Module, Clear Lens, Yellow (GE DR6-YCFB-VLA)	136.67	48.26
34 41 13 00-0366	EA	12" LED Signal Module, Clear Lens, Green (GE DR6-GCFB-VLA)	136.67	48.26
34 41 13 00-0367	EA	LED Countdown Pedestrian Signal, 16" x 18" (GE PS7-CFF1-VLA)	406.77	123.31
34 41 13 00-0368	EA	EOC Switch (Actellis ML688).....	5,594.49	381.46
34 41 13 00-0369	EA	Ethernet Extender Kit (ENABLE-IT 860 Pro)	1,510.31	88.03
34 41 13 00-0370	EA	#5 pull box lid (Concrete, Bolt down) (Christy N30T)	119.20	23.90
34 41 13 00-0371	EA	#5 pull box lid (Steel, Bolt down) (Christy N30-61J).....	434.54	34.59
34 41 13 00-0372	EA	#6 pull box lid (Concrete, Bolt down) (Christy N36T)	149.16	23.90
34 41 13 00-0373	EA	#6 pull box lid (Steel, Bolt down) (Christy N36-61J).....	527.26	34.59
34 41 13 00-0374	EA	Battery Back-up (Alpha FXM110 UPS).....	3,652.11	117.37
34 41 13 00-0375	EA	Battery (Alpha AlphaCell 220GXL)	514.32	29.35
34 41 13 00-0376	EA	BBS Cabinet (Alpha SE48-1616).....	4,173.35	264.08
34 41 13 00-0377	LF	Fiber 72 Strands (Corning 072ZU4-T3F22D20).....	5.95	2.29
34 41 13 00-0378	LF	Fiber 12 Strands (Corning 012ZU4-T3F22D20).....	2.61	1.05
34 41 13 00-0379	EA	FDU & Splice Cassette with LC connector type (Corning CCH-01U, CCH-CS12-B3-P00RE).....	1,295.30	88.03
34 41 13 00-0380	EA	12" THREE SECTION HOUSING (McCain M22435)	891.97	58.68
34 41 13 00-0381	EA	12" FOUR SECTION HOUSING (McCain M30883)	1,144.31	88.03
34 41 13 00-0382	EA	12" FIVE SECTION HOUSING (McCain M31769).....	1,337.96	88.03
34 41 13 00-0383	EA	12" CLUSTER, WITHOUT MAS (McCain M30987)	1,434.78	88.03
34 41 13 00-0384	EA	CMU DATAKEY PROGRAMMER, EDI MONITORKEY-USB (McCain M84650)	891.97	58.68
34 41 13 00-0385	EA	NAVIGATOR iN2 APS 2 WIRE PPB #IN250N0-B (Polara iN250N0-B)	891.97	58.68
34 41 13 00-0386	EA	NAVIGATOR iN2 CONTROLLER RACK MOUNT iCCU-C (Polara iCCU-C).....	5,252.06	205.40
34 41 13 00-0387	EA	NAVIGATOR iN2 INTERCONNECT BOARD iN2-ICB-C (Polara iN2-ICB-C).....	252.33	29.35
34 41 13 00-0388	EA	NAVIGATOR iN2 POWER SUPPLY iN2-150-WPS-C (Polara iN2-150-WPS-C).....	252.33	29.35
34 41 13 00-0389	EA	NAVIGATOR iN2 CONNECTOR iN2-C4CABLE-C (Polara iN2-C4cable-C)	572.15	44.01
34 41 13 00-0390	EA	12" Visor (McCain M19302).....	42.83	11.74
34 41 13 00-0391	EA	LS,2202-HV (iPack), HDSP/FLASHER UNIT,ATC (McCain M36256)	475.33	44.01
34 41 13 00-0392	EA	SIU,2218 SERIAL INTERFACE UNIT,ATC (McCain M36258)	795.15	58.68
34 41 13 00-0393	EA	CMU,2212-HV (ip),32 CH W/ ETHERNET PORT, ATC (McCain M36259)	1,483.20	88.03
34 41 13 00-0394	EA	ATCC-HV, INPUT ASSEMBLY, 24 CH W/ CONN IDC26 (McCain M54487)	795.15	58.68
34 41 13 00-0395	EA	HARN, SB1/SB2,COMM EXTENSION (McCain M48062).....	155.50	29.35
34 41 13 00-0396	EA	ATCC-HV/LV, FITA ASSEMBLY, 24CH (McCain M54489)	475.33	44.01

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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34 41 13 00-0397	EA			CMU DATAKEY PROGRAMMER, EDI MONITORKEY-USB (McCain M84650).....	891.97	58.68
34 41 13 00-0398	EA			242L ISOLATOR, EDI (McCain M56812)	155.50	29.35
34 41 13 00-0399	EA			EDI 222 DETECTOR (McCain M11407).....	203.92	29.35
34 41 13 00-0400	EA			ALPHA BBS, INVERTER & BYPASS SWITCH (McCain M59763).....	3,585.48	146.71
34 41 13 00-0401	EA			GENERATOR SWITCH AND PLUG ASS'Y FOR ALPHA BBS (McCain M68752-2)	582.13	58.68
34 41 13 00-0402	EA			BBS BATTERY, ALPHACELL 165GXL (McCain M59884).....	795.15	58.68
34 41 13 00-0403	EA			Battery Backup Cabinet Anonidize 44x26x12 (McCain M64438A).....	1,676.85	88.03

34 41 16 Traffic Control Equipment (34 41)

34 41 16 00-0001 Transportation Control Equipment (34 41 16)

34 41 16 00-0002	EA			CONTROLLER/SL/POLE MTD/1-PHASE/100A.....	12,045.01	901.30
34 41 16 00-0003	EA			CONTROLLER/SL/ON EMB POLE 1-PH/100A.....	12,148.84	953.19
34 41 16 00-0004	EA			CONTROLLER, SL, 3-PHASE, 100A, BASE MTD.....	14,943.28	964.41
34 41 16 00-0005	EA			CONTROLLER, SL, 3-PHASE, 200A, BASE MTD.....	17,747.08	1,170.96
34 41 16 00-0006	EA			CONTROLLER/SL/BASE MTD/1-PHASE/100A.....	14,857.59	577.66
34 41 16 00-0007	EA			CONTROLLER/SL/BASE MTD/1-PHASE/200A.....	16,478.32	632.42
34 41 16 00-0008	EA			CONTROLLER, TS, 12-BAY, "M" CABINET.....	27,175.17	994.27
34 41 16 00-0009	EA			CONTROLLER, TS, 12-BAY, "P" CABINET.....	28,894.01	1,101.85
34 41 16 00-0010	EA			CONTROLLER, TS, 12-BAY "P" CABINET With FO MASTER.....	41,573.20	1,238.76
34 41 16 00-0011	EA			CONTROLLER, TS, 16-BAY, "P" CABINET.....	32,796.65	1,173.56
34 41 16 00-0012	EA			CONTROLLER, PEDESTRIAN CROSSING, ADD-IN.....	895.81	137.83
34 41 16 00-0013	EA			CONCRETE BLOCK PEDESTAL.....	737.24	206.94
34 41 16 00-0014	WK			MAINTAIN EXIST TS INSTALLATION.....	326.01	162.99
34 41 16 00-0015	EA			INST SIGN BOARDS, ST. NAME.....	589.45	272.92
34 41 16 00-0016	EA			F.O. ADD-IN FOR LOCAL CONTROLLER.....	13,890.23	367.05
34 41 16 00-0017	EA			F.O. ADD-IN FOR MASTER CONTROLLER.....	33,806.42	550.73
34 41 16 00-0018	EA			PDU Equipped netBooster With IEC320 C13 Outlets (Synaccess NP-0808DUH).....	1,103.27	15.28
34 41 16 00-0019	EA			Remote Power Switched netBooster PDU, 8 Independent Outlets (Synaccess NP-0801DU).....	625.16	15.28

34 41 16 00-0020 Transportation Cabinets (34 41 16)

34 41 16 00-0021 Transportation Cabinets (Dudlik Enclosures) (34 41 16 00-0020)

34 41 16 00-0022	EA			50" x 30" x 17", Aluminum CCTV Cabinet (Dudlik Enclosures)	2,862.23	176.06
34 41 16 00-0023	EA			66" x 48" x 30", Quad Door, 19" Racks, Aluminum CCTV Cabinet (Dudlik Enclosures).....	12,375.38	176.06
34 41 16 00-0024	EA			46" x 30" x 20", 19" Rack, Aluminum TTS Cabinet (Dudlik Enclosures).....	2,672.39	176.06
34 41 16 00-0025	EA			50" x 30" x 17", Aluminum ITS Controller Cabinet (Dudlik Enclosures)	2,862.23	176.06
34 41 16 00-0026	EA			60" x 50" x 36", Quad Door, 19" Racks, Aluminum Fiber Cross Connect Cabinet (Dudlik Enclosures).....	12,797.25	176.06
34 41 16 00-0027	EA			55" x 16" x 17", Aluminum ITS Meter Cabinet (Dudlik Enclosures)	1,828.65	176.06

34 41 16 00-0028 Transportation Cabinets (APX Enclosures) (34 41 16 00-0020)

34 41 16 00-0029	EA			28" Wide, 16" Depth, 46" High, ITS Controller Cabinet (APX Enclosure LS503017).....	7,042.83	205.40
Note: 3R, single door, pad mounted aluminum enclosure. Includes natural finish, aluminum back panel, light kit with door switch, thermostatically controlled fan kit, heater kit with thermostat, one aluminum moveable shelf, and one aluminum moveable shelf with slide out drawer. Excludes pad.						

34 41 16 00-0030 Transportation Cabinets (Transportation Control Systems) (34 41 16 00-0020)

34 41 16 00-0031	EA			30" Wide, 16" Depth, 48" High, Type 4, Aluminum Transportation Cabinet With Door Vents (Transportation Control Systems B483016B2D2S)	2,696.65	176.06
34 41 16 00-0032	EA			30" Wide, 16" Depth, 60" High, Type 4 Stretch, Aluminum Transportation Cabinet With Door Vents (Transportation Control Systems B603016B2D2S)	3,371.40	187.80

34 41 16 00-0033 Transportation Cabinets (McCain) (34 41 16 00-0020)

34 41 16 00-0034	EA			24" Wide, 30" Depth, 67" High, ATC Cabinet (McCain 352i).....	12,892.11	205.40
Note: 3R, single door, pad mounted anodized aluminum enclosure. Excludes pad.						
34 41 16 00-0035	EA			24" Wide, 30" Depth, 67" High, ATC Cabinet (McCain 332).....	12,892.11	205.40
Note: 3R, single door, pad mounted anodized aluminum enclosure. Excludes pad.						
34 41 16 00-0036	EA			ATC ColdFire Controller (McCain 170).....	6,569.30	

34 41 16 00-0037 Traffic Control Equipment (34 41 16)

34 41 16 00-0038	EA			ProStar PWM Charge Controller 12/24 Volt, 15 Amperes Without Display (Morningstar PS-15)	314.49	58.68
34 41 16 00-0039	EA			ProStar PWM Charge Controller 12/24 Volt, 15 Amperes With Display (Morningstar PS-15M)	421.29	58.68
34 41 16 00-0040	EA			ProStar PWM Charge Controller 12/24 Volt, 30 Amperes With Display (Morningstar PS-30M)	489.13	58.68
34 41 16 00-0041	EA			ProStar PWM Charge Controller 12/24 Volt, 30 Amperes Without Display (Morningstar PS-30)	373.79	58.68
34 41 16 00-0042	MLF			10 AWG, 2 Conductor, 600V, Type TC, Non-Shielded Control Tray Cable (EnerSys A51002R).....	2,917.54	643.39
34 41 16 00-0043	EA			Vehicle Detector, Circuit Breaker, 0.2 Amperes, Wavetronix SmartSensor (Wavetronix WX-CLK-210-02)	123.81	29.35
34 41 16 00-0044	EA			Vehicle Detector, 2.4 GHz 12 dBi Omni Antenna, Wavetronix SmartSensor (Wavetronix WX-100-0141)	586.66	65.38
34 41 16 00-0045	EA			Detection System, Vehicle, Two Sensor Preassembled Backplate, with AC Power (Wavetronix WX-SSB01-0003).....	3,127.62	196.16
34 41 16 00-0046	EA			Vehicle Detector, Power Supply, 24 Volt DC, 4 Amperes (Wavetronix WX-CLK-204).....	568.84	29.35
34 41 16 00-0047	EA			Vehicle Detector, 4-Channel Contact Matrix Closure, Rack Card (Wavetronix WX-CLK-114)	818.49	29.35
34 41 16 00-0048	EA			4 Channel Din-Rail Contact Closure Module (Wavetronix WX-CLK-104).....	931.45	58.68
34 41 16 00-0049	EA			Detection System, Vehicle, Four Sensor Preassembled Backplate, With AC Power, Wavetronix SmartSensor (Wavetronix WX-SS-B01-0005).....	4,155.20	58.68
34 41 16 00-0050	EA			50' Wavetronix Wiring Whip (Wavetronix WX-SS-708-060).....	392.32	196.16
34 41 16 00-0051	EA			60', 6-Conductor Power And Communication Cable With Connector (Wavetronix WX-SS-704-060).....	586.53	49.04
34 41 16 00-0052	EA			900 MHz 5 dBi Omni Antenna, Wavetronix SmartSensor (Wavetronix WX-100-0119)	499.83	65.38
34 41 16 00-0053	EA			900 MHz 9 dBi Yagi Antenna, Wavetronix SmartSensor (Wavetronix WX-100-0120).....	304.45	65.38
34 41 16 00-0054	EA			Wavetronix Click 201 AC To DC Power Converter (Wavetronix WX-CLK-201).....	351.75	29.35
34 41 16 00-0055	EA			24 Volt DC 2 Amperes, Wavetronix SmartSensor (Wavetronix WX-CLK-202).....	427.73	29.35

34 Transportation**34 40 Transportation Signaling and Control Equipment****34 41 Roadway Signaling and Control Equipment**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

34 41 16 00-0056	EA	Coax Surge N-Type, Wavetronix SmartSensor (Wavetronix WX-CLK-250).....	188.93	29.35
34 41 16 00-0057	EA	Power, RS232/RS485 Surge, Wavetronix SmartSensor (Wavetronix WX-CLK-200).....	579.69	29.35
34 41 16 00-0058	EA	Two Sensor Surge, Wavetronix SmartSensor (Wavetronix WX-CLK-222).....	655.67	29.35
34 41 16 00-0059	EA	RS232 to RS485 Converter, Wavetronix SmartSensor (Wavetronix WX-CLK-304).....	818.49	29.35
34 41 16 00-0060	EA	Wavetronix Click 301 Serial To Ethernet Converter (Wavetronix CLK-301).....	58.68	29.35
34 41 16 00-0061	EA	Sensor Mount, Heavy-Duty, 6 inch, 2 Axis Aluminum Bracket (Wavetronix WX-SS-611).....	510.68	65.38
34 41 16 00-0062	MLF	LF, UV Resistant Polyethylene Jacketed Cable (Times Microwave Systems LMR-400).....	3,460.26	643.39
34 41 16 00-0063	EA	N-Male (Plug) Clamp Connector (Times Microwave Systems TC-400-NMC).....	59.09	17.61
34 41 16 00-0064	EA	Spectra IV SE Back Box, Heavy-Duty, Pendant Mount (Pelco BB4HD-PG-E).....	1,057.63	70.42
34 41 16 00-0065	EA	Spectra III Clear Pendant Lower Dome, Heavy-Duty (Pelco Id53hdpb-1).....	1,020.42	88.03
34 41 16 00-0066	EA	24" Height, Ceiling/Pedestal Mount For Pan/Tilts Or Enclosures (Pelco pm2000).....	216.84	29.35
34 41 16 00-0067	EA	10" Height, Ceiling/Pedestal Mount For Pan/Tilts Or Enclosures (Pelco pm2010).....	156.78	29.35
34 41 16 00-0068	EA	24 Volt AC, Remote Data Port (Pelco IPS-RDPE-2).....	552.88	29.35
34 41 16 00-0069	EA	Spectra IV Remote Monitor Interface Cable (Pelco IPS-CABLE).....	223.56	29.35
34 41 16 00-0070	EA	120 Volt AC, 12.5 Watt, 12 Volt DC, 600 mA, External Plug In Power Supply (Triad Magnetics WDU12-600).....	83.38	29.35
34 41 16 00-0071	EA	Control Area Network Direct Current Input/Output (Daktronics 0P-1247-0009).....	768.63	58.68
		Note: Input/Output for sign peripherals.		
34 41 16 00-0072	EA	Control Area Network Direct Current Input/Output (Daktronics 0P-1247-4009).....	768.63	58.68
		Note: Input/Output for sign peripherals.		
34 41 16 00-0073	EA	Control Area Network Distribution Board (Daktronics 0P-1248-0005).....	1,474.17	58.68
		Note: Signal distribution point between sign modules and peripherals, and VFC-3000 Field Controller.		
34 41 16 00-0074	EA	Control Area Network Distribution Board (Daktronics 0P-1248-0011).....	1,474.17	58.68
		Note: Signal distribution point between sign modules and peripherals, and VFC-3000 Field Controller.		
34 41 16 00-0075	EA	Control Area Network Temperature And Light Sensor (Daktronics 0P-1247-0019).....	486.42	58.68
		Note: Measures temperature and detects light and reports to CAN Dist Board.		
34 41 16 00-0076	EA	Control Area Network Temperature, Light Sensor, And Humidity (Daktronics 0P-1247-0015).....	703.51	58.68
		Note: Measures temperature and detects light and humidity and reports to CAN Dist board.		
34 41 16 00-0077	EA	Control Area Network Temperature, Light Sensor, And Humidity (Daktronics 0P-1247-0021).....	703.51	58.68
		Note: Measures temperature and detects light and humidity and reports to CAN Dist board.		
34 41 16 00-0078	EA	Control Area Network Temperature And Light Sensor (Daktronics 0P-1247-0003).....	573.25	58.68
		Note: Measures temperature and detects light and reports to CAN Dist board.		
34 41 16 00-0079	EA	Controller, VFC-3000 Field Controller NTCIPv1 (Daktronics 0A-1248-0016).....	10,238.43	234.75
		Note: The "brains" of the sign. Receives information from NTCIP central software and reports status and diagnostic information.		
34 41 16 00-0080	EA	DC/DC, Direct Current to Direct Current Converter (Daktronics 0P-1247-0025).....	427.73	29.35
		Note: Takes 24 Volt DC input from two power supplies and outputs 9 Volt DC for CAN Dist Board, providing power redundancy.		
34 41 16 00-0081	EA	Driver (Daktronics 0P-1100-0026).....	810.28	46.95
		Note: Driver takes data packets from Control Area Network to determine what pixels (LED clusters) are ON and which are OFF.		
34 41 16 00-0082	EA	External Temp Sensor (Daktronics 0P-1100-0014).....	712.59	46.95
		Note: Sensor that measures ambient temperature.		
34 41 16 00-0083	EA	Internal Temp Sensor (Daktronics 0P-1100-0038).....	799.42	46.95
		Note: Sensor that measures sign internal temperature.		
34 41 16 00-0084	EA	Light Level Detector (Daktronics 0P-1151-0002).....	473.79	46.95
		Note: The values from the light sensors are used by the sign controller to determine the appropriate sign brightness.		
34 41 16 00-0085	EA	Module (Daktronics 0A-1253-0608).....	1,474.17	58.68
		Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.		
34 41 16 00-0086	EA	Module (Daktronics 0A-1253-3018).....	1,854.07	58.68
		Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.		
34 41 16 00-0087	EA	Module (Daktronics 0A-1266-5002).....	1,636.98	58.68
		Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.		
34 41 16 00-0088	EA	Module (Daktronics 0A-1332-6252).....	2,288.25	58.68
		Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.		
34 41 16 00-0089	EA	Module (Daktronics 0A-1332-6455).....	1,854.07	58.68
		Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.		
34 41 16 00-0090	EA	Module (Daktronics 0A-1332-6654).....	1,854.07	58.68
		Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.		
34 41 16 00-0091	EA	Module (Daktronics 0P-1332-3015).....	985.72	58.68
		Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.		
34 41 16 00-0092	EA	Module (Daktronics 0P-1332-4116).....	985.72	58.68
		Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.		
34 41 16 00-0093	EA	Module (Daktronics 0P-1332-5031).....	985.72	58.68
		Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.		
34 41 16 00-0094	EA	Module (Daktronics 0P-1332-5017).....	985.72	58.68
		Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.		
34 41 16 00-0095	EA	Module Without Pan (Daktronics 0A-1253-0603).....	1,474.17	58.68
		Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display; without Pan (pan is the metal bracket that holds the module securely in place in the sign).		
34 41 16 00-0096	EA	Module Without Pan (Daktronics 0A-1253-1605).....	1,474.17	58.68
		Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display; without Pan (pan is the metal bracket that holds the module securely in place in the sign).		
34 41 16 00-0097	EA	Module Without Pan (Daktronics 0A-1254-1601).....	1,474.17	58.68
		Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display; without Pan (pan is the metal bracket that holds the module securely in place in the sign).		
34 41 16 00-0098	EA	Pixel Strip (Daktronics 0P-1100-0016).....	497.27	58.68
		Note: Pixel Strip is a smaller section of a module. Typically has three pixels (LED clusters) per strip.		
34 41 16 00-0099	EA	Pixel Strip (Daktronics 0P-1100-0029).....	584.11	58.68
		Note: Pixel Strip is a smaller section of a module. Typically has three pixels (LED clusters) per strip.		
34 41 16 00-0100	EA	Power Supply (Daktronics A-1593).....	1,745.53	58.68
		Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.		
34 41 16 00-0101	EA	Power Supply (Daktronics A-1648).....	1,745.53	58.68
		Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.		
34 41 16 00-0102	EA	Power Supply (Daktronics A-2307).....	660.09	58.68
		Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.		
34 41 16 00-0103	EA	Surge Suppressor (Daktronics A-1129).....	265.80	35.21
		Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 16 00-0104	EA	Surge Suppressor (Daktronics A-1412)..... Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	558.87	35.21
34 41 16 00-0105	EA	Surge Suppressor (Daktronics A-1772)..... Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	558.87	35.21
34 41 16 00-0106	EA	Surge Suppressor (Daktronics A-2139)..... Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	830.23	35.21
34 41 16 00-0107	EA	VCB, Vanguard Control Board (Daktronics 0P-1248-0022)..... Note: Receives high speed serial communication over fiber or CAT5 from VFC-3000 and reports sign status and peripheral diagnostics.	1,409.04	58.68
34 41 16 00-0108	EA	VMS I/O, Variable Message Sign Input/Output (Daktronics 0P-1194-0001)..... Note: Input/Output board for sign peripherals.	1,908.34	58.68
34 41 16 00-0109	EA	Power Supply Assembly (Daktronics A-1856R).....	1,257.08	58.68
34 41 16 00-0110	EA	Power Supply Isolation Board (Daktronics 0P-1447-2000).....	822.90	58.68
34 41 16 00-0111	EA	Ventilation/Circulation Fan (Daktronics B-1075).....	301.89	58.68
34 41 16 00-0112	EA	VMS Controller (V2) (Daktronics 0A-1248-0028).....	10,238.43	234.75
34 41 16 00-0113	EA	Photo/Temp Sensor (Daktronics 0P-1247-0015).....	703.51	58.68
34 41 16 00-0114	EA	Defog Fan (Daktronics B-1053).....	112.95	29.35
34 41 16 00-0115	EA	Defog Heater (Daktronics A-1792).....	145.52	29.35
34 41 16 00-0116	EA	Display Card 1500, 15' Clear (Ver-Mac PB-AFF-06023A-03 PF).....	931.45	58.68
34 41 16 00-0117	EA	Display Card 1500, 30' Amber (Ver-Mac PB-AFF-06023-01 PF).....	931.45	58.68
34 41 16 00-0118	EA	1-Port Decoder With H.264 And High-Definition Technology (Verint S1801E-R).....	1,217.21	58.78
34 41 16 00-0119	EA	1-Port Video Encoder Featuring H.264 Technology With One Bi-directional Audio Channel And 12V DC Universal Power Supply (Verint S1801E).....	1,217.21	58.78
34 41 16 00-0120	EA	16-Port Video Encoder Featuring H.264 Technology (Verint S1816E).....	6,632.17	58.78
34 41 16 00-0121	EA	Encoder H.264 Compact, Hiperfmc (Verint S1802E).....	1,575.73	58.78
34 41 16 00-0122	EA	110 Volt AC To 12 Volt DC At 45 Watt, Transformer (Verint PS1261).....	210.79	29.35
34 41 16 00-0123	EA	1-Channel Encoder, H.264 Dual-Streaming, SD Card Slot (Bosch VIP-X1XF-E).....	746.02	58.78
34 41 16 00-0124	EA	Single/Quad-Stream Decoder (Bosch VIP-XD).....	1,963.81	58.78
34 41 16 00-0125	EA	1-Output, Outdoor-Rated CCTV Power Supply Unit, 24/26/28 Volt AC (Pelco WCS1-4).....	291.47	58.68
34 41 16 00-0126	EA	4-Outputs, Outdoor-Rated CCTV Power Supply With Circuit Breaker, 24/28 Volt AC (Pelco WCS4-20B).....	646.74	58.68
34 41 16 00-0127	EA	12.5KVA, 12 Volt, 75Ah, UPS Battery (UPG UB12750).....	297.98	14.70
34 41 16 00-0128	EA	Managed Ethernet Switch with 4 10/100TX Ports + 4 100FX Fiber Ports (EtherWAN EX71440-B0B).....	3,785.80	117.37
34 41 16 00-0129	EA	Power Supply, Hardened, External 100-240 Volt AC Input; TS2 rated; 12 Volt DC Output Power (EtherWAN 41-136046-1).....	230.80	29.35
34 41 16 00-0130	EA	4kVA / 3.6kW Split-Phase Power Module (Eaton 9PXMSPPM).....	3,445.96	58.68
34 41 16 00-0131	EA	208-240 Volt, 4-20kVA Rack/Tower UPS (Eaton 9PXM).....	8,033.18	290.49
34 41 16 00-0132	EA	30 Amperes, 600 Volt, 3-Pole, Fusible, NEMA 3R Rainproof, Safety Switch (Square D H361RB).....	1,062.13	152.59
34 41 16 00-0133	EA	30 Amperes, 600 Volt, LKS Fuse (Eaton Bussmann LKS-30).....	24.84	9.39
34 41 16 00-0134	EA	60 Amperes, 600 Volt, 3-Pole, Fusible, Heavy-Duty, Safety Switch (Square D H362DS).....	2,796.13	117.37
34 41 16 00-0135	EA	60 Amperes, 600 Volt, Dual Element, Time-Delay Fuse (Eaton Bussmann FRS-R-60).....	57.79	9.39
34 41 16 00-0136	EA	50 Mbps, MIMO 2x2, 15 dBi Integrated Antenna (Proxim Wireless TSUNAMI QB-820).....	2,495.02	65.38
34 41 16 00-0137	EA	Singlemode Loaded Fiber Adapter Panel, 6 Simplex SC/UPC Adapters (Multi-Link 10-4810).....	128.66	44.60
34 41 16 00-0138	EA	12" x 6" x 5-1/2", 2 Panel, 2 Splice Dual Security Door, Compact Wall Mount Fiber Distribution Unit (Multilink 10-4469).....	383.15	58.68
34 41 16 00-0139	EA	Single AC Inlet, 8 Nema 5-15 Outlets, Built-in AC Current Drawing Sensing Module (Synaccess NP-0801DT).....	702.28	15.28
34 41 16 00-0140	EA	Aggregated TRMS AC Current Sensing, One Readout For All Outlets (Synaccess NP-0801DT(H)).....	757.12	15.28
34 41 16 00-0141	EA	550 Watt, 120 Volt AC, Fan Heater With Adjustable Thermostat, 32-140 Degree Fahrenheit (Stego CR-027).....	398.58	23.47
34 41 16 00-0142	EA	10/100M Switch, 4 x 1G Combo, LAN Base (Cisco IE-4000-4TC4G-E).....	4,819.36	140.85
34 41 16 00-0143	EA	12 Port, 2 Panel, Wall Mount, Compact Fiber Distribution Unit (Multilink FWM012XLC).....	174.41	26.99
34 41 16 00-0144	EA	6-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel (Multilink MSC-06-SM-C-BLK).....	44.61	5.87
34 41 16 00-0145	EA	170 Watt AC To DC, Industrial Ethernet Family Power Supply (Cisco PWR-IE170W-PC-AC).....	1,520.97	58.68
34 41 16 00-0146	EA	12 Port, Industrial Ethernet Layer 3 Switch Installed In Transportation Control Equipment (Cisco IE-4000-4GC4GP4G-E).....	5,241.07	117.37
34 41 16 00-0147	EA	2 KVA, 1,800 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line Uninterruptible Power Supply (UPS) (Xtreme Power P90-3000).....	3,510.39	193.66
34 41 16 00-0148	EA	100 Amperes, 16 Circuit, Main Lug Load Center Panelboard, 8-1 AWG, 120/240 Volt, Single Phase (Square D QO816L100DS).....	764.76	335.69
34 41 16 00-0149	EA	70 Amperes, 4 Circuit, Main Lug Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase (Square D QO24L70S).....	532.75	234.75
34 41 16 00-0150	EA	60 Amperes, 120/240 Volt, 2 Pole Common Trip Miniature Circuit Breaker, Plug On Mounting (Square D QO260).....	112.59	31.69
34 41 16 00-0151	EA	15 Amperes, 120/240 Volt, 1 Pole Thermal Magnetic Miniature Circuit Breaker, Plug On Mounting (Square D QOT1515).....	85.95	21.13
34 41 16 00-0152	EA	15 Amperes, 120/240 Volt, 1 Pole Thermal Magnetic Miniature Circuit Breaker, Plug On Mounting (Square D QO120).....	66.33	21.13
34 41 16 00-0153	EA	20 Amperes, 120/240 Volt, 1 Pole Thermal Magnetic Miniature Circuit Breaker, Plug On Mounting (Square D QO120).....	66.33	21.13
34 41 16 00-0154	EA	One Output Outdoor-rated CCTV Power Supply Unit, 24/26/28 Volt AC At 4 Amperes Total Supply Current, Fuse Protected Output, UL Listed (Pelco WCS1-4).....	291.47	58.68
34 41 16 00-0155	EA	DIN Rail Mount, Switching Power Supply (TKH Security PSR12DC).....	327.51	29.40
34 41 16 00-0156	EA	H.264 Multi-codec Video Encoder With Audio, Data And CC's (TKH Security C-60-E-MC).....	3,099.34	29.40
34 41 16 00-0157	EA	Expansion Power Module For IE-3000-4TC And IE-3000-8TC (Cisco PWR-IE50W-AC-IEC).....	604.05	15.28
34 41 16 00-0158	EA	Traffic Monitoring System (BlueToad Spectra Cellular/Solar Version).....	12,457.77	196.16
34 41 16 00-0159	EA	Ubiquiti Rocket M9 Wireless Access Point (ROCKETM9).....	461.84	65.38

34 41 33 In Roadway Warning Lights (34 41)

34 41 33 00-0001 In-Road Warning Light (IRWL) Pedestrian Safety System (34 41 33)

34 41 33 00-0002	EA	SC320 Controller: NEMA 3R Aluminum Pole Mount Cabinet (Spot Devices, Inc. #SC320036).....	7,697.46	166.21
34 41 33 00-0003	EA	Spread Spectrum Local Wireless Activation (Spot Devices, Inc. #SC320026).....	595.14	13.41
34 41 33 00-0004	EA	SC320AA: Passive Activation Bollard Pair, AC SC320 Controller (Spot Devices, Inc. #BA300000-D).....	16,354.98	348.50
34 41 33 00-0005	EA	Whitney RS320 Road Spot: Amber Bidirectional (Spot Devices, Inc. #RS320701-D).....	3,814.37	80.42
34 41 33 00-0006	EA	Polara Bulldog Pushbutton With LED And tone, R62E Sign With RIG (Spot Devices, Inc. #PB101131).....	664.73	13.41
34 41 33 00-0007	EA	LED Enhanced Sign - 30" W11-2 Crosswalk Sign (Spot Devices, Inc. SL201011)..... Note: Excludes controller.	3,138.05	67.02
34 41 33 00-0008	EA	SB435: RRFB, Gen2, Large, With Single Pedestrian Signal (Spot Devices, Inc. SB110015)..... Note: Includes mounts.	1,924.58	40.22

34 Transportation**34 40 Transportation Signaling and Control Equipment****34 41 Roadway Signaling and Control Equipment**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

34 41 33 00-0009	EA	Sign, W11-2 Crosswalk, 30", FYG With Mount (Spot Devices, Inc. #SG101102).....	352.44	8.04
34 41 33 00-0010	EA	Sign, W16-7p Left Down Arrow, 12", FYG With Mount (Spot Devices, Inc. #SG101103).....	121.34	2.68
34 41 33 00-0011	EA	RS300: Interconnect 16/4 Dual Plug Cable, 7 ft (Spot Devices, Inc. #RS301624)	132.94	2.68
34 41 33 00-0012	EA	RSV3 Installation Kit (Spot Devices, Inc. #RS308977)	182.02	4.02
34 41 33 00-0013	EA	RS300: Female-to-Female Interconnect 16/4 Dual Plug Cable, 25' (Spot Devices, Inc. #RS301644).....	314.97	6.70
34 41 33 00-0014	EA	RS300: Interconnect 16/4 Dual Plug Cable, 7' Length (Spot Devices, Inc. #RS301624).....	132.94	2.68
34 41 33 00-0015	EA	RS300: Lead-in Cable, 12/4 Single Plug, 75' Length (Spot Devices, Inc. #RS301651).....	462.19	10.72
34 41 33 00-0016	EA	RS300: Lead-in Cable, 12/4 Single Plug, 50' Length (Spot Devices, Inc. #RS301650).....	387.23	8.04
34 41 33 00-0017	EA	Plug, Dummy Female (Spot Devices, Inc. #RS301603)	36.40	0.80
34 41 33 00-0018	EA	Liquid Conduit Polymeric Asphalt Formula (Spot Devices, Inc. #RS308931)	201.12	
34 41 33 00-0019	LF	Cable, Peripheral, 18/2 SO Burial, Unterminated (Spot Devices, Inc. #SC202602)	2.43	
34 41 33 00-0020	LF	DC Interconnect Wire. 12/2 SO Burial, Unterminated (Spot Devices, Inc. #SC202603).....	3.03	

34 70 Transportation Construction and Equipment ⁽³⁴⁾**34 71 Roadway Construction** ^(34 70)**34 71 13 Vehicle Barriers** ^(34 71)**34 71 13 13 Vehicle Median Barriers** ^(34 71 13)**34 71 13 13-0001 Concrete Median Barrier** ^(34 71 13 13)

34 71 13 13-0002	LF	Median Barrier, Precast, 42" High Single Face.....	64.91	4.35
34 71 13 13-0003	LF	Median Barrier, Precast, 32" High, 2' Wide Base, Double Face	113.07	4.35
34 71 13 13-0004	LF	Median Barrier, Precast, 42" High, 2' Wide Base, Double Face	163.11	4.35
34 71 13 13-0005	LF	Median Barrier, Cast In Place With Steel Forms.....	48.80	6.98
34 71 13 13-0006	LF	Median Barrier, Slipformed Concrete.....	38.39	3.53

34 71 13 16 Vehicle Crash Barriers ^(34 71 13)**34 71 13 16-0001 Impact Barrier, Non-Redirective** ^(34 71 13 16)**34 71 13 16-0002 Sand Barrel Impact Attenuator** ^(34 71 13 16-0001)

Note: Includes containers, inserts, and lid. Excludes sand.

34 71 13 16-0003	EA	200, 400 Or 700 Lb. Sand Barrel	668.76	51.67
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Note: Includes containers, inserts, and lid.

34 71 13 19 Vehicle Traffic Barriers ^(34 71 13)**34 71 13 19-0001 Vehicle Bollard System** ^(34 71 13 19)

Note: Honeywell "Vindicator" system or equal.

34 71 13 19-0002	EA	Vehicle/Bollard System, Automatic, 4 Post, 10' L, Model #RSS 2000, Set In Place Only, Excludes Excavation, Concrete And Asphalt Patch.....	113,341.80	
		For Wireless Remote Control, Add	1,192.00	
		For Safety Horn And Strobe, Add	3,643.00	
		For Tire Shredder, Add	2,308.00	
		For Bollard Edge Heat Tape, Add	600.00	
		For Safety Edge Recoil Strip, Add	245.00	
34 71 13 19-0003	EA	Vehicle/Bollard System, Automatic, 4 Post, 12' L, Model #RSS 2012, Set In Place Only, Excludes Excavation, Concrete And Asphalt Patch.....	125,857.07	
		For Wireless Remote Control, Add	1,192.00	
		For Safety Horn And Strobe, Add	3,643.00	
		For Tire Shredder, Add	2,308.00	
		For Bollard Edge Heat Tape, Add	600.00	
		For Safety Edge Recoil Strip, Add	245.00	

34 71 13 19-0004 Vehicle Barricade Components (Delta Scientific Basic System or equal) ^(34 71 13 19)

Note: Excludes foundation excavation and concrete

34 71 13 19-0005	EA	Hydraulic Operation Barrier Gate (Delta Scientific BB10M).....	23,149.21	
34 71 13 19-0006	EA	High Security Cable Crash Beam Barrier (Delta Scientific BB10MS).....	55,889.88	
34 71 13 19-0007	EA	Quick Deployment Crash Barrier (Delta Scientific DSC1100).....	120,449.85	
34 71 13 19-0008	EA	Shallow Mount Barricade System (Delta Scientific DSC501).....	119,135.15	
34 71 13 19-0009	EA	Hydraulic Bollard System (Delta Scientific DSC701 H).....	53,867.55	
34 71 13 19-0010	EA	Decorative Fixed Post Bollard (Delta Scientific DSC701FP).....	8,369.71	
34 71 13 19-0011	EA	Pneumatic Bollard System (Delta Scientific DSC701PB).....	53,872.38	
34 71 13 19-0012	EA	Hydraulic Bollard System (Delta Scientific DSC720 H).....	55,778.83	
34 71 13 19-0013	EA	Decorative Fixed Post Bollard (Delta Scientific DSC720FP).....	9,528.35	
34 71 13 19-0014	EA	Pneumatic Bollard System (Delta Scientific DSC720PB).....	55,778.83	
34 71 13 19-0015	EA	Decorative Hydraulic Bollard System (Delta Scientific DSC800 H).....	42,798.66	
34 71 13 19-0016	EA	Manual Decorative Bollard (Delta Scientific DSC800 M)	16,275.52	
34 71 13 19-0017	EA	Decorative Fixed Post Bollard (Delta Scientific DSC800FP).....	5,806.35	
34 71 13 19-0018	EA	Decorative Pneumatic Bollard System (Delta Scientific DSC800PB)	42,813.15	
34 71 13 19-0019	EA	Portable Surface Mounted Barrier System (Delta Scientific DSC900).....	106,279.03	
34 71 13 19-0020	EA	Quick Deployment Crash Barrier, Hydraulic (Delta Scientific IP500 H)	94,566.57	
34 71 13 19-0021	EA	Quick Deployment Crash Barrier, Manual (Delta Scientific IP500 M)	69,208.76	
34 71 13 19-0022	EA	Cantilever Gate (Delta Scientific SC3000)	67,059.15	
34 71 13 19-0023	EA	Hydraulic Cantilever Gate (Delta Scientific SC3000 H).....	57,441.42	
34 71 13 19-0024	EA	Manual Crash Rated Swing Gate (Delta Scientific SGC1000).....	62,726.76	
34 71 13 19-0025	EA	Surface Barricade System (Delta Scientific TT107S/FM)	109,300.01	
34 71 13 19-0026	EA	Hydraulic Bollard System (Delta Scientific TT203 H).....	39,627.12	
34 71 13 19-0027	EA	Counter Balanced Manual Bollard (Delta Scientific TT203 M).....	11,670.70	
34 71 13 19-0028	EA	Pneumatic Bollard System (Delta Scientific TT203PB).....	39,627.12	
34 71 13 19-0029	EA	Barricade System (Delta Scientific TT205)	85,665.38	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 19-0030	EA	Barricade System (Delta Scientific TT207)	105,988.97	
34 71 13 19-0031	EA	Barricade System (Delta Scientific TT207S/FM).....	119,135.15	
34 71 13 19-0032	EA	Hydraulic Bollard System (Delta Scientific TT210 H).....	42,887.11	
34 71 13 19-0033	EA	Manual Security Bollard System (Delta Scientific TT210 M).....	14,179.79	
34 71 13 19-0034	EA	Fixed Post Bollard System (Delta Scientific TT210FP).....	6,271.57	
34 71 13 19-0035	EA	Pneumatic Bollard System (Delta Scientific TT210PB).....	42,887.11	
34 71 13 19-0036	EA	Hydraulic Cable Beam Barrier (Delta Scientific TT212 H)	47,680.53	
		For Each Additional LF Of Beam >12', Add	467.00	
34 71 13 19-0037	EA	Manual Cable Beam Barrier (Delta Scientific TT212 M)	27,879.15	
		For Each Additional LF Of Beam >12', Add	467.00	
34 71 13 19-0038	EA	Enhanced Hydraulic Cable Beam Barrier (Delta Scientific TT212E H)	59,469.54	
		For Each Additional LF Of Beam >12', Add	467.00	
34 71 13 19-0039	EA	Enhanced Manual Cable Beam Barrier (Delta Scientific TT212E M).....	39,664.97	
		For Each Additional LF Of Beam >12', Add	467.00	
34 71 13 19-0040	EA	Hydraulic Crash Beam Barrier (Delta Scientific TT212EC H)	74,763.05	
		For Each Additional LF Of Beam >12', Add	467.00	
34 71 13 19-0041	EA	Manual Crash Beam Barrier (Delta Scientific TT212EC M).....	60,648.94	
		For Each Additional LF Of Beam >12', Add	467.00	
34 71 13 19-0042	EA	Cable Crash Beam Barrier (Manual Operation) (Delta Scientific TT218 M).....	34,565.38	
		For Each Additional LF Of Beam >12', Add	467.00	
34 71 13 19-0043	EA	Cable Crash Beam Barrier (Manual Operation) (Delta Scientific TT218E M)	39,826.52	
		For Each Additional LF Of Beam >12', Add	467.00	
34 71 13 19-0044	EA	Hydraulic Heavy-Duty Swing Gate (Delta Scientific TT255)	26,534.93	
34 71 13 19-0045	EA	Linear Crash Rated Gate System (Delta Scientific TT280).....	107,493.20	
34 71 13 19-0046	EA	High Security Rolling Gate (Delta Scientific TT300)	64,657.69	
34 71 13 19-0047	EA	Barricade System (Delta Scientific TW2015)	46,075.31	
34 71 13 19-0048	EA	Barricade System (Delta Scientific TW4030)	76,248.82	
34 71 13 19-0049	EA	Vehicle Loop Detector (Delta Scientific 3546-3NP, 3546-7NP, or 3546-8NP)	467.42	
34 71 13 19-0050	EA	Vehicle Loop Detector, Dual Relay Version, Power Resumption Safety (Delta Scientific 3546-DCNP)	565.92	
34 71 13 19-0051		Vehicle Barricade Systems Options (Delta Scientific Basic System or equal) (34 71 13 19)		
34 71 13 19-0052	EA	Hydraulic Pumping Unit Enclosure, For DELTA HPU Only (Delta Scientific B1215)	5,356.36	
34 71 13 19-0053	EA	Master Control Panel With Reset And Override, Single Lane Control (Delta Scientific B1036TL).....	4,243.06	
34 71 13 19-0054	EA	Remote Control Slave Panel With Annunciator (Delta Scientific B1086TL).....	3,961.94	
34 71 13 19-0055	EA	Detector Harness, 11 Pin (Delta Scientific OC02-11)	63.69	
34 71 13 19-0056	EA	Electromagnetic Lock (Delta Scientific B4020)	3,768.68	
34 71 13 19-0057	EA	Flashing Lights, Set Of Three (Delta Scientific B4030).....	1,240.85	
34 71 13 19-0058	EA	Barricade Fully Up (Or Down) Auxiliary Limit Switch (Delta Scientific B2021 Or B2020).....	478.77	
34 71 13 19-0059	EA	Crash Switch, Activates Customers Alarm (Delta Scientific B4060)	722.55	
34 71 13 19-0060	EA	Emergency Manual Operating System, Hand Pump (Delta Scientific B1325)	948.76	
34 71 13 19-0061	EA	Three Phase Power Monitor (Delta Scientific B1255).....	744.51	
34 71 13 19-0062	EA	Power Unit Mounted Disconnect (Delta Scientific B1260)	1,333.09	
34 71 13 19-0063	EA	Barrier System Heater (Delta Scientific B4010)	1,816.26	
34 71 13 19-0064	EA	60 Watt Oil Reservoir Heater, Omega Units (Delta Scientific B1192).....	876.28	
34 71 13 19-0065	EA	200 Watt Oil Reservoir Heater, Beta Units (Delta Scientific B1194)	845.59	
34 71 13 19-0066	EA	500 Watt Oil Reservoir Heater, Beta Units (Delta Scientific B1190)	1,078.63	
34 71 13 19-0067	EA	Battery Back-up, Controls Only (Delta Scientific B1155)	1,308.94	
34 71 13 19-0068	EA	Card Reader (Delta Scientific MPL-22).....	1,300.15	
34 71 13 26		Vehicle Guide Rails (34 71 13)		
34 71 13 26-0001		Mobilize Guide Rail Crew (34 71 13 26)		
34 71 13 26-0002	EA	Mobilize Guide Rail Crew	1,314.09	
		Note: Excludes equipment mobilization.		
34 71 13 26-0003		Corrugated Beam Guide Rail (34 71 13 26)		
34 71 13 26-0004		Corrugated Beam Guide Railing (34 71 13 26-0003)		
34 71 13 26-0005		Corrugated Beam Guide Railing, Straight Sections (34 71 13 26-0004)		
		Note: Add additional length for back-up sections.		
34 71 13 26-0006	LF	Corrugated Beam Guide Railing	33.58	2.34
34 71 13 26-0007	LF	Corrugated Beam Guide Railing (Rustic).....	36.49	2.34
34 71 13 26-0008		Corrugated Beam Guide Railing, Shop Curved (34 71 13 26-0004)		
		Note: Add additional length for back-up sections.		
34 71 13 26-0009	LF	Shop Curved Corrugated Beam Guide Railing	44.99	2.34
34 71 13 26-0010	LF	Shop Curved Corrugated Beam Guide Railing (Rustic).....	49.01	2.34
34 71 13 26-0011	LF	Shop Curved Corrugated Beam Guide Railing End	121.01	2.34
		Note: Treatment for mall barriers driveways, walkways, special end, etc.		
34 71 13 26-0012	LF	Shop Curved Corrugated Beam Guide Railing (Rustic) End	132.38	2.34
		Note: Treatment for mall barriers shop curved corrugated beam guide railing end etc.		
34 71 13 26-0013		Corrugated Beam Guide Railing, Manufactured End Sections (34 71 13 26-0003)		
34 71 13 26-0014	EA	Corrugated Beam Guide Railing End Section At Anchor Unit.....	233.36	30.97
34 71 13 26-0015	EA	Corrugated Beam Guide Railing End Section (Rustic) At Anchor Unit	248.90	30.97
34 71 13 26-0016	EA	Corrugated Beam Guide Railing Flared Or 180 Degree End Section	326.57	30.97
34 71 13 26-0017	EA	Corrugated Beam Guide Railing Flared Or 180 Degree End Section (Rustic).....	342.10	30.97
34 71 13 26-0018	EA	Corrugated Beam Guide Railing 225 Degree End Section	326.57	30.97
34 71 13 26-0019	EA	Corrugated Beam Guide Railing 225 Degree End Section (Rustic).....	342.10	30.97

34 Transportation**34 70 Transportation Construction and Equipment****34 71 Roadway Construction**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

34 71 13 26-0020		Corrugated Beam Guide Rail End Terminal Systems (34 71 13 26-0003)		
		Note: Excludes post. As manufactured and distributed by R. G. Steel Corp.		
34 71 13 26-0021	EA	Regent Flared End Terminal Head With Bracket, Type B & C.....	9,184.52	188.93
34 71 13 26-0022	EA	Fleat Flared End Terminal Head With Bracket.....	7,631.02	188.92
34 71 13 26-0023	EA	SKT 350 Tangent End Terminal Head With Bracket.....	9,184.52	188.92
34 71 13 26-0024	EA	12'-6" Corrugated Beam Pre-drilled #1 Panel.....	1,283.88	89.06
34 71 13 26-0025	EA	Terminal Support System, Type SFT.....	1,008.66	238.13
34 71 13 26-0026	EA	Terminal Support System, Type ET.....	5,011.00	673.97
34 71 13 26-0027	EA	Terminal Support System, Type SRT.....	5,445.74	673.97
34 71 13 26-0028		Corrugated Beam Guide Rail Posts (34 71 13 26-0003)		
		Note: Includes mounting hardware.		
34 71 13 26-0029	EA	Standard Post For Corrugated Beam Guide Rail.....	269.99	16.07
		For Installation Without Soil Plate, Deduct.....	-5.00	
		For Installation In Rock, Add.....	4.29	
34 71 13 26-0030	EA	Standard Post For (Rustic) Corrugated Beam Guide Rail.....	285.53	16.07
		For Installation Without Soil Plate, Deduct.....	-5.00	
		For Installation In Rock, Add.....	4.29	
34 71 13 26-0031	EA	Extra Long Post For Corrugated Beam Guide Rail.....	301.06	16.07
		For Installation Without Soil Plate, Deduct.....	-5.00	
		For Installation In Rock, Add.....	4.29	
34 71 13 26-0032	EA	Extra Long Post (Rustic) for Corrugated Beam Guide Rail.....	316.59	16.07
		For Installation Without Soil Plate, Deduct.....	-5.00	
		For Installation In Rock, Add.....	4.29	
34 71 13 26-0033	EA	6B8-1/2" or Mall Barrier Post for Corrugated Beam Guide Rail.....	269.99	16.07
		For Installation Without Soil Plate, Deduct.....	-5.00	
		For Installation In Rock, Add.....	4.29	
34 71 13 26-0034	EA	Post Struts for Corrugated Beam Guide Rail Mall Barrier Post.....	394.27	16.07
		For Installation In Rock, Add.....	4.29	
34 71 13 26-0035		Heavy Post Blocked Out Corrugated Beam Guide Rail Posts (34 71 13 26-0003)		
		Note: Includes mounting hardware. Excludes triangular mounting brackets.		
34 71 13 26-0036	EA	Standard Post For Heavy Post Blocked Out Corrugated Beam Guide.....	269.99	16.07
34 71 13 26-0037	EA	Standard Rustic Post For Heavy Post Blocked Out Corrugated Beam Guide.....	285.53	16.07
34 71 13 26-0038	EA	Extra Long Post for Heavy Post Blocked Out Corrugated Beam Guide.....	301.06	16.07
34 71 13 26-0039	EA	Extra Long Post (Rustic) For heavy post blocked out corrugated beam guide rail.....	316.59	16.07
		Note: For heavy post blocked out corrugated beam guide (rustic)		
34 71 13 26-0040	EA	Type A Post 1630mm Post.....	262.22	16.07
		Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0041	EA	Type A Post 1630mm Post (Rustic).....	277.76	16.07
		Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0042	EA	Type B Post 1460mm.....	246.69	16.07
		Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0043	EA	Type B Post 1460mm (Rustic).....	262.22	16.07
		Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0044	EA	Type C Post 1290mm.....	231.15	16.07
		Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0045	EA	Type C Post 1290mm (Rustic).....	246.69	16.07
		Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0046	EA	Breakaway Wood Or Steel Post In Steel Foundation Tube.....	1,049.23	16.07
34 71 13 26-0047	EA	Wood, Metal, Plastic Or Composite Offset Block Or Beam.....	99.11	16.07
		Note: For heavy post blocked out corrugated beam guide rail.		
34 71 13 26-0048		Corrugated Beam Guide Rail Accessories (34 71 13 26-0003)		
34 71 13 26-0049	EA	Triangular Mounting Brackets (Galvanized Or Rustic) For All Post Types A, B And C.....	202.29	35.20
34 71 13 26-0050		Corrugated Beam Guide Rail Repair for Existing Guide Rail (34 71 13 26-0003)		
		Note: Includes associated hardware.		
34 71 13 26-0051	LF	Removal And Storage Of Corrugated Beam Guide Railing And Post.....	13.75	
34 71 13 26-0052	EA	Install Stored Post For Corrugated Beam Guide Rail.....	46.94	
34 71 13 26-0053	LF	Install Stored Corrugated Beam Guide Railing And Post.....	7.98	
34 71 13 26-0054		Corrugated Thrie Beam Guide Railing (34 71 13 26-0003)		
34 71 13 26-0055		Corrugated Thrie Beam Guide Railing. Straight Sections (34 71 13 26-0054)		
		Note: Add additional length for back-up sections.		
34 71 13 26-0056	LF	Corrugated Thrie Beam Guide Railing.....	83.25	2.95
34 71 13 26-0057	LF	Corrugated Thrie Beam Guide Railing (Rustic).....	87.99	2.95
34 71 13 26-0058		Corrugated Thrie Beam Guide Railing. Shop Curved (34 71 13 26-0054)		
		Note: Add additional length for back-up sections.		
34 71 13 26-0059	LF	Shop Curved Corrugated Thrie Beam Guide Railing.....	102.19	2.95
34 71 13 26-0060	LF	Shop Curved Corrugated Thrie Beam Guide Railing (Rustic).....	106.93	2.95
34 71 13 26-0061		Corrugated Thrie Beam Guide Rail Posts (34 71 13 26-0054)		
		Note: Includes hardware for mounting.		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0062	EA	Standard Post For Corrugated Thrie Beam Guide Rail..... <i>For Installation Without Soil Plate, Deduct</i> <i>For 32" Soil Plate, Add</i>	345.71 -5.00 7.00	2.95
34 71 13 26-0063	EA	Standard Post (Rustic) For Corrugated Thrie Beam Guide Rail <i>For Installation Without Soil Plate, Deduct</i> <i>For 32" Soil Plate, Add</i>	361.24 -5.00 7.00	2.95
34 71 13 26-0064		Timber Guide Rails (34 71 13 26) Note: Includes drilling and fasteners. Excludes excavation, auguring and concrete.		
34 71 13 26-0065		Timber Guide Rail Posts (34 71 13 26-0064)		
34 71 13 26-0066	EA	6" x 8" Timber Guide Rail Post	117.30	11.73
34 71 13 26-0067	EA	6" x 9" Timber Guide Rail Post	134.28	11.73
34 71 13 26-0068	EA	10" x 10" Timber Guide Rail Post	267.34	11.73
34 71 13 26-0069	EA	10" x 12" Timber Guide Rail Post	283.21	11.73
34 71 13 26-0070	EA	12" x 12" Timber Guide Rail Post	328.44	11.73
34 71 13 26-0071		Timber Guide Rails (34 71 13 26-0064) Note: Excludes posts, spacer blocks and steel backup plates.		
34 71 13 26-0072	LF	4" x 9" Timber Guide Rail.....	14.58	1.41
34 71 13 26-0073	LF	6" x 10" Timber Guide Rail.....	20.69	1.41
34 71 13 26-0074	LF	6" x 12" Timber Guide Rail.....	24.27	1.41
34 71 13 26-0075		Spacer Blocks For Timber Guide Rails (34 71 13 26-0064)		
34 71 13 26-0076	EA	4" x 9" Spacer Block For Timber Guide Rails	18.96	1.88
34 71 13 26-0077	EA	6" x 8" Spacer Block For Timber Guide Rails	21.89	1.88
34 71 13 26-0078	EA	8" x 8" Spacer Block For Timber Guide Rails	25.62	1.88
34 71 13 26-0079		Weathering Steel Backup Plates For Timber Guide Rails (34 71 13 26-0064)		
34 71 13 26-0080	LF	6" High, Weathering Steel Backup Plate For Timber Guide Rails.....	26.82	1.18
34 71 13 26-0081		Weathering Steel Splice And Bearing Plates For Timber Guide Rails (34 71 13 26-0064)		
34 71 13 26-0082	EA	Weathering Steel Splice Plate For Timber Guide Rails	184.11	16.42
34 71 13 26-0083	EA	Weathering Steel Bearing Termination Plate For Timber Guide Rails	115.05	11.73
34 71 13 26-0084		Cable Guide Rail (34 71 13 26)		
34 71 13 26-0085		Cable Guide Rail (34 71 13 26-0084)		
34 71 13 26-0086	LF	Cable (Each Cable)	16.63	2.53
		Note: Includes tensioning. Excludes splices.		
34 71 13 26-0087	EA	Cable Splice With Wedges	489.52	17.60
34 71 13 26-0088		Cable Guide Rail Posts (34 71 13 26-0084) Note: Includes hardware for cable mounting.		
34 71 13 26-0089	EA	Standard Post for Cable Guide Rail..... <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	304.44 -5.00 14.28	53.57
34 71 13 26-0090	EA	Standard Post (Rustic) for Cable Guide Rail <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	319.98 -5.00 14.28	53.57
34 71 13 26-0091	EA	Extra Long Post for Cable Guide Rail..... <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	319.98 -5.00 14.28	53.57
34 71 13 26-0092	EA	Extra Long Post (Rustic) for Cable Guide Rail..... <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	335.52 -5.00 14.28	53.57
34 71 13 26-0093	EA	Slip Impact Post Top for Anchor Unit.....	214.99	21.43
34 71 13 26-0094	EA	Slip Impact Post Base and Keeper Plate..... Note: For anchor unit.	603.37	21.43
34 71 13 26-0095		Cable Guide Rail Accessories For Breakaway Anchor Angle Systems (34 71 13 26-0084)		
34 71 13 26-0096	EA	Turnbuckle Cable End Assembly For Use With Breakaway Anchors	841.69	235.13
34 71 13 26-0097	EA	Turnbuckle Cable End Assembly.....	326.38	11.76
34 71 13 26-0098	EA	Spring Cable End Assembly (Compensating Device) For Use With Breakaway Anchors	1,095.24	5.85
34 71 13 26-0099	EA	Spring Cable End Assembly (Compensating Device) Without Turnbuckle	1,126.31	5.85
34 71 13 26-0100	EA	Breakaway Anchor Angle	419.59	11.76
34 71 13 26-0101	EA	Standard End Post Cap Assembly.....	194.21	5.85
34 71 13 26-0102	EA	Driveway End Post Cap Assembly	163.14	5.85
34 71 13 26-0103	EA	End Post Ground Support Plates.....	85.47	5.85
34 71 13 26-0104	EA	11" Stud Bolt, Cable Guide Rail.....	73.81	5.85
34 71 13 26-0105	EA	18" Stud Bolt, Cable Guide Rail.....	89.35	5.85
34 71 13 26-0106	EA	25" Stud Bolt, Cable Guide Rail.....	104.88	5.85
34 71 13 26-0107	EA	1-1/4" Diameter Turnbuckle, Cable Guide Rail	947.78	11.76
34 71 13 26-0108	EA	1-1/2" Diameter Turnbuckle, Cable Guide Rail	1,009.92	11.76
34 71 13 26-0109	EA	5/8" Diameter Turnbuckle With 12" Take-up And Shackle Ends, Cable Guide Rail.....	668.15	11.76
34 71 13 26-0110	EA	5/8" Eye Bolt 18" Long, Cable Guide Rail.....	411.70	5.85
34 71 13 26-0111	EA	3/4" Eye Bolt 8'-6" Long, Cable Guide Rail.....	419.59	11.76

34 Transportation**34 70 Transportation Construction and Equipment****34 71 Roadway Construction**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
34 71 13 26-0112	EA 1-5/8" Anchor Rod 10' Long With Plate, Cable Guide Rail.....	442.91		17.60	
34 71 13 26-0113	Cable Guide Rail Accessories For Slip Impact Post Systems (34 71 13 26-0084)				
34 71 13 26-0114	EA Turnbuckle Cable End Assembly.....	754.00		17.89	
	Note: For use with slip impact post.				
34 71 13 26-0115	EA Spring Cable End Assembly (Compensating Device).....	1,499.68		17.89	
	Note: For use with slip impact post.				
34 71 13 26-0116	EA Anchor Angle For Slip Impact Post System	427.77		17.89	
34 71 13 26-0117	EA Cable End Assembly Rod	350.10		17.89	
	Note: Includes cable end, threaded rod and keeper to anchor angle.				
34 71 13 26-0118	Cable Guide Rail Repair For Existing Guide Rail (34 71 13 26-0084)				
	Note: Includes associated hardware.				
34 71 13 26-0119	LF Retention Existing Cable (Each Cable).....	1.57			
34 71 13 26-0120	LF Removal And Storage Of Cable Guide Railing	9.45			
34 71 13 26-0121	EA Install Stored Post For Cable Guide Railing.....	71.42			
34 71 13 26-0122	LF Install Stored Cable, (Each Cable).....	4.18			
	Note: Includes retensioning. Excludes splices.				
34 71 13 26-0123	6" x 6" Box Beam Guide Rail (34 71 13 26)				
34 71 13 26-0124	Box Beam Guide Rail, 6" x 6" (34 71 13 26-0123)				
34 71 13 26-0125	Straight Sections, Box Beam Guide Rail (34 71 13 26-0124)				
34 71 13 26-0126	LF Box Beam Guide Railing 6" x 6" x 3/16" Galvanized.....	101.01		2.95	
	Note: Excludes splices.				
	For Flush Mounting Directly To Structure, Add	1.83			
34 71 13 26-0127	LF Box Beam Guide Railing 6" x 6" x 3/16" (Rustic)	115.21		2.95	
	Note: Excludes splices.				
	For Flush Mounting Directly To Structure, Add	1.83			
34 71 13 26-0128	LF Box Beam Guide Railing 8" x 6" x 3/16" Galvanized.....	120.45		2.95	
	Note: Excludes splices				
	For Flush Mounting Directly To Structure, Add	1.83			
34 71 13 26-0129	Shop Curved, Box Beam Guide Rail (34 71 13 26-0124)				
34 71 13 26-0130	LF Shop Curved Box Beam Guide Railing 6" x 6" x 3/16" Galvanized.....	155.46		2.95	
	Note: Excludes splices.				
	For Shop Curved At <20' Radius, Add	2.44			
	For Flush Mounting Directly To Structure, Add	1.83			
34 71 13 26-0131	LF Shop Curved Box Beam Guide Railing 6" x 6" x 3/16" (Rustic)	169.67		2.95	
	Note: Excludes splices.				
	For Shop Curved At <20' Radius, Add	2.44			
	For Flush Mounting Directly To Structure, Add	1.83			
34 71 13 26-0132	LF Shop Curved Box Beam Guide Railing 8" x 6" x 3/16" Galvanized.....	185.70		2.95	
	Note: Excludes splices.				
	For Shop Curved At <20' Radius, Add	2.44			
	For Flush Mounting Directly To Structure, Add	1.83			
34 71 13 26-0133	Box Beam Guide Rail End Treatment Sections (34 71 13 26-0123)				
	Note: Includes rail, end cover plate and hardware only. Excludes posts and splice.				
34 71 13 26-0134	EA Box Beam End Piece Guide Railing Section.....	1,600.44		35.20	
	Note: Galvanized excludes splices.				
34 71 13 26-0135	EA Box Beam End Piece Guide Railing Section (Rustic)	1,771.32		35.20	
	Note: Excludes splices.				
34 71 13 26-0136	EA Box Beam Guide Railing End Treatment Section At Driveway, Galvanized	1,507.23		35.20	
	Note: Excludes splices.				
34 71 13 26-0137	EA Box Beam Guide Railing End Treatment Section At Driveway, (Rustic).....	1,569.37		35.20	
	Note: Excludes splices.				
34 71 13 26-0138	EA Box Beam Guiderail End Assembly	45,279.45		938.64	
	Note: Includes all components for the first 14'. Includes energy absorbing terminal, bearing plate, steel breakaway post upper and lower assembly, interior sleeve, box beam, post breaker, cable assembly, end tube rail, end tube tie plate, post 1 and post 2.				
34 71 13 26-0139	Splices For Box Beam Guide Rail (34 71 13 26-0123)				
34 71 13 26-0140	EA Splice For Box Beam Guide Rail	337.52		52.26	
34 71 13 26-0141	EA Splice For Box Beam Guide Rail (Rustic)	446.27		52.26	
34 71 13 26-0142	Box Beam Guide Rail Posts (34 71 13 26-0123)				
	Note: Includes hardware for box beam mounting.				
34 71 13 26-0143	EA Standard Post For Box Beam Guide Rail.....	319.98		53.57	
	For Installation Without Soil Plate, Deduct	-5.00			
	For Installation In Rock, Add	14.28			
34 71 13 26-0144	EA Standard Post (Rustic) for Box Beam Guide Railing.....	335.52		53.57	
	For Installation Without Soil Plate, Deduct	-5.00			
	For Installation In Rock, Add	14.28			
34 71 13 26-0145	EA Extra Long Post For Box Beam Guide Rail.....	351.05		53.57	
	For Installation Without Soil Plate, Deduct	-5.00			
	For Installation In Rock, Add	14.28			
34 71 13 26-0146	EA Extra Long Post (Rustic) For Box Beam Guide Rail	366.58		53.57	
	For Installation Without Soil Plate, Deduct	-5.00			
	For Installation In Rock, Add	14.28			

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0147	EA	Type I End Assembly Post..... <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	304.44 -5.00 14.28	53.57
34 71 13 26-0148	EA	Type I End Assembly Post (Rustic) <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	319.98 -5.00 14.28	53.57
34 71 13 26-0149	EA	Type II End Assembly Post..... <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	288.91 -5.00 14.28	53.57
34 71 13 26-0150	EA	Type II End Assembly Post (Rustic) <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	304.44 -5.00 14.28	53.57
34 71 13 26-0151		Box Beam Guide Rail Accessories (34 71 13 26-0123)		
34 71 13 26-0152	EA	Box Beam Guide Rail End Cover Plate	200.50	10.56
34 71 13 26-0153	EA	Box Beam Guide Rail End Cover Plate (Rustic)	216.04	10.56
34 71 13 26-0154		Box Beam Guide Railing Repair, And Resetting (34 71 13 26-0123) Note: For existing guide rail.		
34 71 13 26-0155	LF	Removal And Storage Of Box Beam Guide Rail And Post	4.64	
34 71 13 26-0156	LF	Reset Box Beam Guide Rail	13.53	
34 71 13 26-0157		6" x 8" Box Beam Median Barrier (34 71 13 26)		
34 71 13 26-0158		Box Beam Median Barrier, 6" x 8" (34 71 13 26-0157)		
34 71 13 26-0159		Straight Sections, Box Beam Median Barrier (34 71 13 26-0158)		
34 71 13 26-0160	LF	Box Beam Median Barrier Galvanized Excludes Splices..... <i>For Flush Mounting Directly To Structure, Add</i>	163.23 1.83	10.56
34 71 13 26-0161	LF	Box Beam Median Barrier (Rustic) Excludes Splices	177.44 1.83	10.56
34 71 13 26-0162		Shop Curved, Box Beam Median Barrier (34 71 13 26-0158)		
34 71 13 26-0163	LF	Shop Curved Box Beam Median Barrier Galvanized	200.57	10.56
		Note: Excludes splices. <i>For Shop Curved At <20' Radius, Add</i> <i>For Flush Mounting Directly To Structure, Add</i>	2.44 1.83	
34 71 13 26-0164	LF	Shop Curved Box Beam Median Barrier Rustic	247.19	10.56
		Note: Excludes splices. <i>For Shop Curved At <20' Radius, Add</i> <i>For Flush Mounting Directly To Structure, Add</i>	2.44 1.83	
34 71 13 26-0165		Box Beam Median Barrier End Treatment Sections (34 71 13 26-0157) Note: Includes rail, end cover plate and hardware. Excludes posts.		
34 71 13 26-0166	EA	Box Beam Median Barrier Type A End Treatment Section, Galvanized	5,313.30	35.20
		Note: Excludes splices and post.		
34 71 13 26-0167	EA	Box Beam Median Barrier Type A End Treatment Section (Rustic).....	5,437.58	35.20
		Note: Excludes splices and post.		
34 71 13 26-0168	EA	Box Beam Median Barrier Type B End Treatment Section, Galvanized	5,313.30	35.20
		Note: Excludes splices and post.		
34 71 13 26-0169	EA	Box Beam Median Barrier Type B End Treatment Section (Rustic).....	5,437.58	35.20
		Note: Excludes splices and post.		
34 71 13 26-0170		Splices For Box Beam Median Barrier (34 71 13 26-0157)		
34 71 13 26-0171	EA	Splice for Box Beam Median Barrier.....	379.32	28.16
34 71 13 26-0172	EA	Splice for Box Beam Median Barrier (Rustic)	612.35	28.16
34 71 13 26-0173		Box Beam Median Barrier Posts Driven With Soil Plate (34 71 13 26-0157) Note: Includes all associated hardware.		
34 71 13 26-0174	EA	Standard Post for Box Beam Median Barrier	319.98	53.57
		<i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	-5.00 14.28	
34 71 13 26-0175	EA	Standard Post (Rustic) for Box Beam Median Barrier.....	335.52	53.57
		<i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	-5.00 14.28	
34 71 13 26-0176	EA	Extra Long Post for Box Beam Median Barrier	351.05	53.57
		<i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	-5.00 14.28	
34 71 13 26-0177	EA	Extra Long Post (Rustic) for Box Beam Median Barrier.....	366.58	53.57
		<i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	-5.00 14.28	
34 71 13 26-0178	EA	Type B End Treatment or Rub Back Anchor Post for Box Beam..... Note: For median barrier.	288.91	53.57
		<i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	-5.00 14.28	
34 71 13 26-0179	EA	Type B End Treatment or Rub Back Anchor Post (Rustic)	288.91	53.57
		Note: For box beam median barrier. <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	-5.00 14.28	

34 Transportation**34 70 Transportation Construction and Equipment****34 71 Roadway Construction**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
34 71 13 26-0180	EA Type I End Assembly Post for Box Beam Median Barrier to Concrete Note: For median barrier transition. For Installation Without Soil Plate, Deduct For Installation In Rock, Add	351.05 -5.00 14.28		53.57	
34 71 13 26-0181	EA Type I End Assembly Post (Rustic) for Box Beam Median Barrier Note: For Concrete median barrier transition. For Installation Without Soil Plate, Deduct For Installation In Rock, Add	366.58 -5.00 14.28		53.57	
34 71 13 26-0182	Box Beam Median Barrier Accessories (34 71 13 26-0157)				
34 71 13 26-0183	EA Box Beam Median Barrier End Cover Plate	231.74		24.78	
34 71 13 26-0184	EA Box Beam Median Barrier End Cover Plate (Rustic).....	247.27		24.78	
34 71 13 26-0185	Box Beam Median Barrier Repair, And Resetting (34 71 13 26-0157)				
	Note: For existing guide rail.				
34 71 13 26-0186	LF Removal And Storage Of Box Beam Median Barrier and Posts	4.79			
34 71 13 26-0187	LF Reset Box Beam Median Barrier	14.17			
34 71 13 26-0188	Universal Guide Rail Items (34 71 13 26)				
34 71 13 26-0189	Guide Rail Concrete Anchor Units For All Types Of Guide Rail (34 71 13 26-0188)				
	Note: For cast in place or precast. Includes excavation, formwork, concrete, reinforcement, anchor rods and/or imbedded plate. Excludes anchor angle. For anchor angles and other terminal connections, use accessories section for respective guide rail type.				
34 71 13 26-0190	CY Guide Rail Concrete Anchor Unit..... For Each Additional Set Of Anchor Rods, Add	821.39 38.00			
34 71 13 26-0191	EA Reset Existing Anchorage Unit for All Types of Guide Rail.....	538.26			
	Note: Includes excavation and backfill.				
34 71 13 26-0192	EA Removal Of Guide Rail Concrete Anchor Unit	601.58			
34 71 13 26-0193	Guide Rail Repair For All Types Of Existing Guide Rail (34 71 13 26-0188)				
	Note: Includes associated hardware.				
34 71 13 26-0194	EA Straighten And Reset Driven Post For Guide Rail	71.42			
34 71 13 26-0195	EA Straighten And Reset Post Mounted On Concrete For Guide Rail	93.79			
	Note: With base plate for guide rail. Includes new anchor bolts.				
34 71 13 26-0196	Additional Wood and Steel Posts (34 71 13 26-0188)				
34 71 13 26-0197	LF 4" x 6" Wood Post..... For Installation In Rock, Add	97.64 4.77		17.89	
34 71 13 26-0198	LF 6" x 8" Wood Post..... For Installation In Rock, Add	120.94 4.77		17.89	
34 71 13 26-0199	LF 6" x 7/8" Galvanized Steel Post	67.87		17.89	
	For Installation In Rock, Add				
34 71 13 26-0200	EA Base Plate With Anchor Bolts For Mounting Post On Concrete.....	730.66		17.89	
34 71 13 26-0201	Accessories For All Types of Guide Rail (34 71 13 26-0188)				
34 71 13 26-0202	EA Reflector For Guard Rail.....	97.15			
34 71 13 26-0203	Guide Rail Transitions (34 71 13 26)				
34 71 13 26-0204	Transition Box Beam Guide Rail To Corrugated Beam (34 71 13 26-0203)				
34 71 13 26-0205	EA Box Beam To Corrugated Beam Rail Bolted Section.....	1,245.60			
34 71 13 26-0206	EA Box Beam To Corrugated Beam Rail Bolted Plate	624.20			
	Note: For making cable connections.				
34 71 13 26-0207	Transition Box Beam Median Barrier To Corrugated Beam Median (34 71 13 26-0203)				
34 71 13 26-0208	EA Box Beam Median Barrier To Corrugated Beam Bolted Section	1,276.67			
34 71 13 26-0209	EA Box Beam Median Barrier To Corrugated Beam Harness Plate	624.20			
	Note: For making cable connections.				
34 71 13 26-0210	Transition Box Beam Guide Rail To Cable Guide Rail (34 71 13 26-0203)				
34 71 13 26-0211	EA Box Beam to Cable Guide Rail U-bolt And Plate	186.70		18.77	
34 71 13 26-0212	Transition Box Beam Median Barrier To Concrete Median Barrier (34 71 13 26-0203)				
34 71 13 26-0213	EA Box Beam Median Barrier To Concrete Barrier End Connection	1,867.00			
34 71 13 26-0214	Transition Thrie Beam To Concrete Median Barrier (34 71 13 26-0203)				
34 71 13 26-0215	EA Thrie Beam Terminal Connector At Concrete Median Barrier.....	1,090.25			
34 71 13 26-0216	EA Thrie Beam Transition Section To Corrugated Beam Guide Rail.....	1,478.62			
34 71 13 26-0217	Resilient Guard Fence And Light Shield (34 71 13 26)				
34 71 13 26-0218	LF Resilient Guard Fence And Light Shield, Up To 6' High	99.67		7.19	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0219 Individual Concrete Guard Rail Posts (34 71 13 26)		
34 71 13 26-0220 EA 6'-5" Concrete Guard Rail Posts, Round	85.69	7.19
34 71 13 26-0221 EA 6'-5" Concrete Posts, Square.....	95.89	8.09
34 71 13 26-0222 EA 6'-5" Concrete Posts, Triangular	93.42	8.09
 34 71 16 Impact Attenuating Devices (34 71)		
34 71 16 00-0001 Guard Rail Energy Absorbing Terminals (34 71 16)		
Note: Crushable foam cartridges surrounded by steel guardrail for narrow hazards. QuadGuard System as manufactured by Energy Absorption Systems, Inc.		
34 71 16 00-0002 24" Wide Guard Rail Energy Absorbing Terminals (34 71 16 00-0001)		
34 71 16 00-0003 EA 24" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	37,290.15	3,547.60
34 71 16 00-0004 EA 24" Wide, 5 Cartridge, Bays Energy Absorbing Crash Attenuator	51,871.45	4,730.13
34 71 16 00-0005 EA 24" Wide, 7 Cartridge, Bays Energy Absorbing Crash Attenuator	70,896.05	6,208.30
34 71 16 00-0006 EA 24" Wide, 9 Cartridge, Bays Energy Absorbing Crash Attenuator	78,472.98	7,686.48
 34 71 16 00-0007 30" Wide Guard Rail Energy Absorbing Terminals (34 71 16 00-0001)		
34 71 16 00-0008 EA 30" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	40,082.71	3,991.05
34 71 16 00-0009 EA 30" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator	55,935.24	5,321.41
34 71 16 00-0010 EA 30" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator	76,855.45	7,095.21
34 71 16 00-0011 EA 30" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator	87,830.48	8,573.37
 34 71 16 00-0012 36" Wide Guard Rail Energy Absorbing Terminals (34 71 16 00-0001)		
34 71 16 00-0013 EA 36" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	42,909.57	4,434.50
34 71 16 00-0014 EA 36" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator	60,032.55	5,912.68
34 71 16 00-0015 EA 36" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator	82,190.96	7,834.29
34 71 16 00-0016 EA 36" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator	97,152.72	9,460.28
 34 71 16 00-0017 69" Wide Guard Rail Energy Absorbing Terminals (34 71 16 00-0001)		
34 71 16 00-0018 EA 69" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	46,433.38	4,877.96
34 71 16 00-0019 EA 69" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator	64,401.60	6,503.94
34 71 16 00-0020 EA 69" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator	88,611.79	8,573.37
34 71 16 00-0021 EA 69" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator	104,231.66	10,347.18
 34 71 16 00-0022 90" Wide Guard Rail Energy Absorbing Terminals (34 71 16 00-0001)		
34 71 16 00-0023 EA 90" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	50,058.43	5,321.41
34 71 16 00-0024 EA 90" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator	68,889.48	7,095.21
34 71 16 00-0025 EA 90" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator	95,861.86	9,460.28
34 71 16 00-0026 EA 90" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator	111,518.86	11,234.08
 34 71 19 Vehicle Delineators (34 71)		
34 71 19 16 Flexible Vehicle Delineators (34 71 19)		
34 71 19 16-0001 EA 2' High, 3" Diameter Flexible Fixed Stanchion Delineator.....	96.75	8.98
34 71 19 16-0002 EA 3' High, 3" Diameter Flexible Fixed Stanchion Delineator.....	98.14	8.98
34 71 19 16-0003 EA 3-1/2' High, 3" Diameter Flexible Fixed Stanchion Delineator	99.54	8.98
34 71 19 16-0004 EA 4' High, 3" Diameter Flexible Fixed Stanchion Delineator.....	100.93	8.98

END OF SECTION 34

34	34	Transportation
	34 70	Transportation Construction and Equipment
	34 71	Roadway Construction



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST

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40 Process Interconnections

40 05 Common Work Results For Process Interconnections ⁽⁴⁰⁾

40 05 19 Ductile Iron Process Pipe ^(40 05)

40 05 19 00-0001	Flanged End, Cement Lined, Bituminous Seal Coat, Ductile Iron Piping ^(40 05 19) Note: C110 Fittings, 350 PSI rating for 2" - 24" sizes, 250 PSI rating for 30" - 48" sizes. Pipe barrels conform to ANSI/AWWA C151/A21.51. The bolt holes are aligned per ANSI/AWWA C115/A21.15. Flanged fittings conform to ANSI/AWWA C110/A21.10. Interiors shall be cement lined in accordance with ANSI/AWWA C104/A21.04. Exterior shall be bituminous coating, in accordance with ANSI/AWWA C104/A21.04. See CSI section 40 05 19 00-4103 for bolts, 40 05 19 00-4118 for gaskets.		
40 05 19 00-0002	Flanged End (FxF), Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe ^(40 05 19 00-0001)		
40 05 19 00-0003	4" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe ^(40 05 19 00-0002)		
40 05 19 00-0004	EA 4" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add For Class 56 Rating, Add	934.11 -62.57 89.70 135.61 180.95	241.10
40 05 19 00-0005	EA 4" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add For Class 56 Rating, Add	1,001.34 -69.26 98.91 149.33 199.13	245.32
40 05 19 00-0006	EA 4" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add For Class 56 Rating, Add	1,068.59 -75.96 108.11 163.06 217.31	249.53
40 05 19 00-0007	EA 4" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add For Class 56 Rating, Add	1,135.84 -82.65 117.32 176.78 235.50	253.75
40 05 19 00-0008	EA 4" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add For Class 56 Rating, Add	1,203.08 -89.35 126.52 190.51 253.68	257.96
40 05 19 00-0009	EA 4" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add For Class 56 Rating, Add	1,270.33 -96.04 135.73 204.23 271.86	262.18
40 05 19 00-0010	EA 4" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add For Class 56 Rating, Add	1,337.58 -102.73 144.94 217.96 290.05	266.39
40 05 19 00-0011	EA 4" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add For Class 56 Rating, Add	1,404.82 -109.43 154.14 231.68 308.23	270.61
40 05 19 00-0012	EA 4" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add For Class 56 Rating, Add	1,472.06 -116.12 163.35 245.41 326.41	274.82
40 05 19 00-0013	EA 4" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add For Class 56 Rating, Add	1,539.31 -122.82 172.55 259.13 344.59	279.04
40 05 19 00-0014	EA 4" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add For Class 56 Rating, Add	1,606.55 -129.51 181.76 272.86 362.78	283.25
40 05 19 00-0015	EA 4" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add For Class 56 Rating, Add	1,673.79 -136.21 190.96 286.58 380.96	287.47
40 05 19 00-0016	EA 4" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add For Class 56 Rating, Add	1,741.04 -142.90 200.17 300.31 399.14	291.68
40 05 19 00-0017	EA 4" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add For Class 56 Rating, Add	1,808.28 -149.60 209.37 314.03 417.33	295.89

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-0018	EA	4" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,875.53	300.11
		For Class 52 Rating, Deduct	-156.29	
		For Class 54 Rating, Add	218.58	
		For Class 55 Rating, Add	327.76	
		For Class 56 Rating, Add	435.51	
40 05 19 00-0019	EA	4" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,942.78	304.32
		For Class 52 Rating, Deduct	-162.98	
		For Class 54 Rating, Add	227.79	
		For Class 55 Rating, Add	341.48	
		For Class 56 Rating, Add	453.70	
40 05 19 00-0020	EA	4" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,010.01	308.54
		For Class 52 Rating, Deduct	-169.68	
		For Class 54 Rating, Add	236.99	
		For Class 55 Rating, Add	355.20	
		For Class 56 Rating, Add	471.88	
40 05 19 00-0021	EA	4" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,077.26	312.75
		For Class 52 Rating, Deduct	-176.37	
		For Class 54 Rating, Add	246.19	
		For Class 55 Rating, Add	368.93	
		For Class 56 Rating, Add	490.06	
40 05 19 00-0022	EA	4" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,144.51	316.97
		For Class 52 Rating, Deduct	-183.07	
		For Class 54 Rating, Add	255.40	
		For Class 55 Rating, Add	382.65	
		For Class 56 Rating, Add	508.24	
40 05 19 00-0023	EA	4" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,211.75	321.19
		For Class 52 Rating, Deduct	-189.76	
		For Class 54 Rating, Add	264.61	
		For Class 55 Rating, Add	396.38	
		For Class 56 Rating, Add	526.43	
40 05 19 00-0024	EA	4" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,279.00	325.41
		For Class 52 Rating, Deduct	-196.46	
		For Class 54 Rating, Add	273.81	
		For Class 55 Rating, Add	410.10	
		For Class 56 Rating, Add	544.61	
40 05 19 00-0025	EA	4" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,346.25	329.62
		For Class 52 Rating, Deduct	-203.15	
		For Class 54 Rating, Add	283.02	
		For Class 55 Rating, Add	423.83	
		For Class 56 Rating, Add	562.79	
40 05 19 00-0026	EA	4" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,413.50	333.84
		For Class 52 Rating, Deduct	-209.85	
		For Class 54 Rating, Add	292.22	
		For Class 55 Rating, Add	437.55	
		For Class 56 Rating, Add	580.98	
40 05 19 00-0027	EA	4" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,480.74	338.05
		For Class 52 Rating, Deduct	-216.54	
		For Class 54 Rating, Add	301.43	
		For Class 55 Rating, Add	451.28	
		For Class 56 Rating, Add	599.16	
40 05 19 00-0028	EA	4" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,547.98	342.26
		For Class 52 Rating, Deduct	-223.23	
		For Class 54 Rating, Add	310.63	
		For Class 55 Rating, Add	465.00	
		For Class 56 Rating, Add	617.34	
40 05 19 00-0029	EA	4" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,615.23	346.48
		For Class 52 Rating, Deduct	-229.93	
		For Class 54 Rating, Add	319.84	
		For Class 55 Rating, Add	478.73	
		For Class 56 Rating, Add	635.53	
40 05 19 00-0030	EA	4" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,682.47	350.69
		For Class 52 Rating, Deduct	-236.62	
		For Class 54 Rating, Add	329.04	
		For Class 55 Rating, Add	492.45	
		For Class 56 Rating, Add	653.71	
40 05 19 00-0031	EA	4" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,749.72	354.91
		For Class 52 Rating, Deduct	-243.32	
		For Class 54 Rating, Add	338.25	
		For Class 55 Rating, Add	506.18	
		For Class 56 Rating, Add	671.89	
40 05 19 00-0032	EA	4" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,816.97	359.12
		For Class 52 Rating, Deduct	-250.01	
		For Class 54 Rating, Add	347.46	
		For Class 55 Rating, Add	519.90	
		For Class 56 Rating, Add	690.08	
40 05 19 00-0033	EA	4" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,884.21	363.34
		For Class 52 Rating, Deduct	-256.71	
		For Class 54 Rating, Add	356.66	
		For Class 55 Rating, Add	533.63	
		For Class 56 Rating, Add	708.26	
40 05 19 00-0034	EA	4" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,951.46	367.55
		For Class 52 Rating, Deduct	-263.40	
		For Class 54 Rating, Add	365.87	
		For Class 55 Rating, Add	547.35	
		For Class 56 Rating, Add	726.44	
40 05 19 00-0035	EA	4" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,018.71	371.77
		For Class 52 Rating, Deduct	-270.10	
		For Class 54 Rating, Add	375.07	
		For Class 55 Rating, Add	561.08	
		For Class 56 Rating, Add	744.63	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0036	EA		4" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,085.94	375.98
			For Class 52 Rating, Deduct	-276.79	
			For Class 54 Rating, Add	384.28	
			For Class 55 Rating, Add	574.80	
			For Class 56 Rating, Add	762.81	
40 05 19 00-0037	EA		4" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,153.19	380.20
			For Class 52 Rating, Deduct	-283.48	
			For Class 54 Rating, Add	393.48	
			For Class 55 Rating, Add	588.53	
			For Class 56 Rating, Add	780.99	
40 05 19 00-0038	EA		4" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,220.44	384.41
			For Class 52 Rating, Deduct	-290.18	
			For Class 54 Rating, Add	402.69	
			For Class 55 Rating, Add	602.25	
			For Class 56 Rating, Add	799.18	
40 05 19 00-0039	EA		4" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,287.68	388.63
			For Class 52 Rating, Deduct	-296.87	
			For Class 54 Rating, Add	411.89	
			For Class 55 Rating, Add	615.98	
			For Class 56 Rating, Add	817.36	
40 05 19 00-0040	EA		4" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,354.93	392.84
			For Class 52 Rating, Deduct	-303.57	
			For Class 54 Rating, Add	421.10	
			For Class 55 Rating, Add	629.70	
			For Class 56 Rating, Add	835.54	
40 05 19 00-0041	EA		4" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,422.18	397.05
			For Class 52 Rating, Deduct	-310.26	
			For Class 54 Rating, Add	430.30	
			For Class 55 Rating, Add	643.43	
			For Class 56 Rating, Add	853.73	
40 05 19 00-0042	EA		4" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,489.42	401.27
			For Class 52 Rating, Deduct	-316.96	
			For Class 54 Rating, Add	439.51	
			For Class 55 Rating, Add	657.15	
			For Class 56 Rating, Add	871.91	
40 05 19 00-0043 6" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe					
			(40 05 19 00-0002)		
40 05 19 00-0044	EA		6" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,183.11	303.48
			For Class 52 Rating, Deduct	-79.56	
			For Class 54 Rating, Add	114.01	
			For Class 55 Rating, Add	172.33	
			For Class 56 Rating, Add	229.92	
40 05 19 00-0045	EA		6" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,264.40	307.70
			For Class 52 Rating, Deduct	-87.80	
			For Class 54 Rating, Add	125.32	
			For Class 55 Rating, Add	189.19	
			For Class 56 Rating, Add	252.25	
40 05 19 00-0046	EA		6" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,345.69	311.91
			For Class 52 Rating, Deduct	-96.04	
			For Class 54 Rating, Add	136.63	
			For Class 55 Rating, Add	206.04	
			For Class 56 Rating, Add	274.58	
40 05 19 00-0047	EA		6" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,426.98	316.12
			For Class 52 Rating, Deduct	-104.28	
			For Class 54 Rating, Add	147.95	
			For Class 55 Rating, Add	222.90	
			For Class 56 Rating, Add	296.90	
40 05 19 00-0048	EA		6" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,508.26	320.34
			For Class 52 Rating, Deduct	-112.52	
			For Class 54 Rating, Add	159.26	
			For Class 55 Rating, Add	239.75	
			For Class 56 Rating, Add	319.23	
40 05 19 00-0049	EA		6" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,589.56	324.56
			For Class 52 Rating, Deduct	-120.76	
			For Class 54 Rating, Add	170.57	
			For Class 55 Rating, Add	256.61	
			For Class 56 Rating, Add	341.55	
40 05 19 00-0050	EA		6" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,670.85	328.78
			For Class 52 Rating, Deduct	-129.00	
			For Class 54 Rating, Add	181.88	
			For Class 55 Rating, Add	273.47	
			For Class 56 Rating, Add	363.88	
40 05 19 00-0051	EA		6" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,752.13	332.99
			For Class 52 Rating, Deduct	-137.24	
			For Class 54 Rating, Add	193.19	
			For Class 55 Rating, Add	290.32	
			For Class 56 Rating, Add	386.21	
40 05 19 00-0052	EA		6" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,833.43	337.21
			For Class 52 Rating, Deduct	-145.48	
			For Class 54 Rating, Add	204.51	
			For Class 55 Rating, Add	307.18	
			For Class 56 Rating, Add	408.53	
40 05 19 00-0053	EA		6" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,914.71	341.42
			For Class 52 Rating, Deduct	-153.72	
			For Class 54 Rating, Add	215.82	
			For Class 55 Rating, Add	324.04	
			For Class 56 Rating, Add	430.86	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

40 05 19 00-0054	EA 6" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,995.99	345.64
	For Class 52 Rating, Deduct	-161.95	
	For Class 54 Rating, Add	227.13	
	For Class 55 Rating, Add	340.89	
	For Class 56 Rating, Add	453.18	
40 05 19 00-0055	EA 6" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,077.29	349.85
	For Class 52 Rating, Deduct	-170.19	
	For Class 54 Rating, Add	238.44	
	For Class 55 Rating, Add	357.75	
	For Class 56 Rating, Add	475.51	
40 05 19 00-0056	EA 6" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,158.58	354.07
	For Class 52 Rating, Deduct	-178.43	
	For Class 54 Rating, Add	249.76	
	For Class 55 Rating, Add	374.61	
	For Class 56 Rating, Add	497.84	
40 05 19 00-0057	EA 6" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,239.86	358.28
	For Class 52 Rating, Deduct	-186.67	
	For Class 54 Rating, Add	261.07	
	For Class 55 Rating, Add	391.46	
	For Class 56 Rating, Add	520.16	
40 05 19 00-0058	EA 6" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,321.15	362.50
	For Class 52 Rating, Deduct	-194.91	
	For Class 54 Rating, Add	272.38	
	For Class 55 Rating, Add	408.32	
	For Class 56 Rating, Add	542.49	
40 05 19 00-0059	EA 6" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,402.45	366.71
	For Class 52 Rating, Deduct	-203.15	
	For Class 54 Rating, Add	283.69	
	For Class 55 Rating, Add	425.18	
	For Class 56 Rating, Add	564.82	
40 05 19 00-0060	EA 6" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,483.73	370.92
	For Class 52 Rating, Deduct	-211.39	
	For Class 54 Rating, Add	295.00	
	For Class 55 Rating, Add	442.03	
	For Class 56 Rating, Add	587.14	
40 05 19 00-0061	EA 6" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,565.02	375.14
	For Class 52 Rating, Deduct	-219.63	
	For Class 54 Rating, Add	306.32	
	For Class 55 Rating, Add	458.89	
	For Class 56 Rating, Add	609.47	
40 05 19 00-0062	EA 6" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,646.32	379.35
	For Class 52 Rating, Deduct	-227.87	
	For Class 54 Rating, Add	317.63	
	For Class 55 Rating, Add	475.75	
	For Class 56 Rating, Add	631.80	
40 05 19 00-0063	EA 6" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,727.60	383.57
	For Class 52 Rating, Deduct	-236.11	
	For Class 54 Rating, Add	328.94	
	For Class 55 Rating, Add	492.60	
	For Class 56 Rating, Add	654.12	
40 05 19 00-0064	EA 6" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,808.89	387.78
	For Class 52 Rating, Deduct	-244.35	
	For Class 54 Rating, Add	340.25	
	For Class 55 Rating, Add	509.46	
	For Class 56 Rating, Add	676.45	
40 05 19 00-0065	EA 6" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,890.19	392.00
	For Class 52 Rating, Deduct	-252.59	
	For Class 54 Rating, Add	351.56	
	For Class 55 Rating, Add	526.32	
	For Class 56 Rating, Add	698.78	
40 05 19 00-0066	EA 6" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,971.48	396.21
	For Class 52 Rating, Deduct	-260.83	
	For Class 54 Rating, Add	362.88	
	For Class 55 Rating, Add	543.17	
	For Class 56 Rating, Add	721.10	
40 05 19 00-0067	EA 6" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,052.76	400.43
	For Class 52 Rating, Deduct	-269.07	
	For Class 54 Rating, Add	374.19	
	For Class 55 Rating, Add	560.03	
	For Class 56 Rating, Add	743.43	
40 05 19 00-0068	EA 6" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,134.06	404.64
	For Class 52 Rating, Deduct	-277.31	
	For Class 54 Rating, Add	385.50	
	For Class 55 Rating, Add	576.89	
	For Class 56 Rating, Add	765.75	
40 05 19 00-0069	EA 6" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,215.35	408.86
	For Class 52 Rating, Deduct	-285.54	
	For Class 54 Rating, Add	396.81	
	For Class 55 Rating, Add	593.74	
	For Class 56 Rating, Add	788.08	
40 05 19 00-0070	EA 6" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,296.63	413.08
	For Class 52 Rating, Deduct	-293.78	
	For Class 54 Rating, Add	408.12	
	For Class 55 Rating, Add	610.60	
	For Class 56 Rating, Add	810.41	
40 05 19 00-0071	EA 6" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,377.92	417.29
	For Class 52 Rating, Deduct	-302.02	
	For Class 54 Rating, Add	419.44	
	For Class 55 Rating, Add	627.46	
	For Class 56 Rating, Add	832.73	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0072	EA		6" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,459.22	421.51
			For Class 52 Rating, Deduct	-310.26	
			For Class 54 Rating, Add	430.75	
			For Class 55 Rating, Add	644.31	
			For Class 56 Rating, Add	855.06	
40 05 19 00-0073	EA		6" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,540.50	425.72
			For Class 52 Rating, Deduct	-318.50	
			For Class 54 Rating, Add	442.06	
			For Class 55 Rating, Add	661.17	
			For Class 56 Rating, Add	877.38	
40 05 19 00-0074	EA		6" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,621.79	429.94
			For Class 52 Rating, Deduct	-326.74	
			For Class 54 Rating, Add	453.37	
			For Class 55 Rating, Add	678.03	
			For Class 56 Rating, Add	899.71	
40 05 19 00-0075	EA		6" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,703.09	434.15
			For Class 52 Rating, Deduct	-334.98	
			For Class 54 Rating, Add	464.69	
			For Class 55 Rating, Add	694.88	
			For Class 56 Rating, Add	922.04	
40 05 19 00-0076	EA		6" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,784.37	438.37
			For Class 52 Rating, Deduct	-343.22	
			For Class 54 Rating, Add	476.00	
			For Class 55 Rating, Add	711.74	
			For Class 56 Rating, Add	944.36	
40 05 19 00-0077	EA		6" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,865.66	442.58
			For Class 52 Rating, Deduct	-351.46	
			For Class 54 Rating, Add	487.31	
			For Class 55 Rating, Add	728.60	
			For Class 56 Rating, Add	966.69	
40 05 19 00-0078	EA		6" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,946.96	446.80
			For Class 52 Rating, Deduct	-359.70	
			For Class 54 Rating, Add	498.62	
			For Class 55 Rating, Add	745.46	
			For Class 56 Rating, Add	989.02	
40 05 19 00-0079	EA		6" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,028.24	451.01
			For Class 52 Rating, Deduct	-367.94	
			For Class 54 Rating, Add	509.93	
			For Class 55 Rating, Add	762.31	
			For Class 56 Rating, Add	1,011.34	
40 05 19 00-0080	EA		6" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,109.53	455.23
			For Class 52 Rating, Deduct	-376.18	
			For Class 54 Rating, Add	521.25	
			For Class 55 Rating, Add	779.17	
			For Class 56 Rating, Add	1,033.67	
40 05 19 00-0081	EA		6" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,190.83	459.44
			For Class 52 Rating, Deduct	-384.42	
			For Class 54 Rating, Add	532.56	
			For Class 55 Rating, Add	796.03	
			For Class 56 Rating, Add	1,056.00	
40 05 19 00-0082	EA		6" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,272.11	463.66
			For Class 52 Rating, Deduct	-392.66	
			For Class 54 Rating, Add	543.87	
			For Class 55 Rating, Add	812.88	
			For Class 56 Rating, Add	1,078.32	
40 05 19 00-0083			8" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0002)		
40 05 19 00-0084	EA		8" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,652.58	387.78
			For Class 52 Rating, Deduct	-117.15	
			For Class 54 Rating, Add	166.81	
			For Class 55 Rating, Add	251.60	
			For Class 56 Rating, Add	335.34	
40 05 19 00-0085	EA		8" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,761.96	392.00
			For Class 52 Rating, Deduct	-128.48	
			For Class 54 Rating, Add	182.33	
			For Class 55 Rating, Add	274.72	
			For Class 56 Rating, Add	365.95	
40 05 19 00-0086	EA		8" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,871.34	396.21
			For Class 52 Rating, Deduct	-139.81	
			For Class 54 Rating, Add	197.86	
			For Class 55 Rating, Add	297.84	
			For Class 56 Rating, Add	396.56	
40 05 19 00-0087	EA		8" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,980.71	400.43
			For Class 52 Rating, Deduct	-151.14	
			For Class 54 Rating, Add	213.38	
			For Class 55 Rating, Add	320.96	
			For Class 56 Rating, Add	427.17	
40 05 19 00-0088	EA		8" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,090.09	404.64
			For Class 52 Rating, Deduct	-162.47	
			For Class 54 Rating, Add	228.91	
			For Class 55 Rating, Add	344.08	
			For Class 56 Rating, Add	457.78	
40 05 19 00-0089	EA		8" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,199.48	408.86
			For Class 52 Rating, Deduct	-173.80	
			For Class 54 Rating, Add	244.43	
			For Class 55 Rating, Add	367.21	
			For Class 56 Rating, Add	488.40	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

40 05 19 00-0090	EA 8" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,308.85	413.08
	For Class 52 Rating, Deduct	-185.13	
	For Class 54 Rating, Add	259.96	
	For Class 55 Rating, Add	390.33	
	For Class 56 Rating, Add	519.01	
40 05 19 00-0091	EA 8" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,418.23	417.29
	For Class 52 Rating, Deduct	-196.46	
	For Class 54 Rating, Add	275.48	
	For Class 55 Rating, Add	413.45	
	For Class 56 Rating, Add	549.62	
40 05 19 00-0092	EA 8" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,527.61	421.51
	For Class 52 Rating, Deduct	-207.79	
	For Class 54 Rating, Add	291.01	
	For Class 55 Rating, Add	436.57	
	For Class 56 Rating, Add	580.23	
40 05 19 00-0093	EA 8" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,636.98	425.72
	For Class 52 Rating, Deduct	-219.11	
	For Class 54 Rating, Add	306.53	
	For Class 55 Rating, Add	459.69	
	For Class 56 Rating, Add	610.85	
40 05 19 00-0094	EA 8" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,746.36	429.94
	For Class 52 Rating, Deduct	-230.44	
	For Class 54 Rating, Add	322.06	
	For Class 55 Rating, Add	482.81	
	For Class 56 Rating, Add	641.46	
40 05 19 00-0095	EA 8" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,855.75	434.15
	For Class 52 Rating, Deduct	-241.77	
	For Class 54 Rating, Add	337.58	
	For Class 55 Rating, Add	505.93	
	For Class 56 Rating, Add	672.07	
40 05 19 00-0096	EA 8" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,965.12	438.37
	For Class 52 Rating, Deduct	-253.10	
	For Class 54 Rating, Add	353.11	
	For Class 55 Rating, Add	529.05	
	For Class 56 Rating, Add	702.69	
40 05 19 00-0097	EA 8" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,074.50	442.58
	For Class 52 Rating, Deduct	-264.43	
	For Class 54 Rating, Add	368.63	
	For Class 55 Rating, Add	552.17	
	For Class 56 Rating, Add	733.30	
40 05 19 00-0098	EA 8" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,183.88	446.80
	For Class 52 Rating, Deduct	-275.76	
	For Class 54 Rating, Add	384.16	
	For Class 55 Rating, Add	575.29	
	For Class 56 Rating, Add	763.91	
40 05 19 00-0099	EA 8" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,293.25	451.01
	For Class 52 Rating, Deduct	-287.09	
	For Class 54 Rating, Add	399.69	
	For Class 55 Rating, Add	598.41	
	For Class 56 Rating, Add	794.52	
40 05 19 00-0100	EA 8" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,402.63	455.23
	For Class 52 Rating, Deduct	-298.42	
	For Class 54 Rating, Add	415.21	
	For Class 55 Rating, Add	621.53	
	For Class 56 Rating, Add	825.13	
40 05 19 00-0101	EA 8" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,512.02	459.44
	For Class 52 Rating, Deduct	-309.75	
	For Class 54 Rating, Add	430.74	
	For Class 55 Rating, Add	644.65	
	For Class 56 Rating, Add	855.75	
40 05 19 00-0102	EA 8" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,621.39	463.66
	For Class 52 Rating, Deduct	-321.08	
	For Class 54 Rating, Add	446.26	
	For Class 55 Rating, Add	667.77	
	For Class 56 Rating, Add	886.36	
40 05 19 00-0103	EA 8" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,730.77	467.87
	For Class 52 Rating, Deduct	-332.41	
	For Class 54 Rating, Add	461.79	
	For Class 55 Rating, Add	690.89	
	For Class 56 Rating, Add	916.97	
40 05 19 00-0104	EA 8" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,840.14	472.08
	For Class 52 Rating, Deduct	-343.73	
	For Class 54 Rating, Add	477.31	
	For Class 55 Rating, Add	714.01	
	For Class 56 Rating, Add	947.58	
40 05 19 00-0105	EA 8" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,949.51	476.30
	For Class 52 Rating, Deduct	-355.06	
	For Class 54 Rating, Add	492.84	
	For Class 55 Rating, Add	737.13	
	For Class 56 Rating, Add	978.20	
40 05 19 00-0106	EA 8" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,058.89	480.51
	For Class 52 Rating, Deduct	-366.39	
	For Class 54 Rating, Add	508.36	
	For Class 55 Rating, Add	760.25	
	For Class 56 Rating, Add	1,008.81	
40 05 19 00-0107	EA 8" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,168.28	484.73
	For Class 52 Rating, Deduct	-377.72	
	For Class 54 Rating, Add	523.89	
	For Class 55 Rating, Add	783.37	
	For Class 56 Rating, Add	1,039.42	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0108	EA	8"	Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,277.65	488.94
			For Class 52 Rating, Deduct	-389.05	
			For Class 54 Rating, Add	539.41	
			For Class 55 Rating, Add	806.49	
			For Class 56 Rating, Add	1,070.03	
40 05 19 00-0109	EA	8"	Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,387.03	493.16
			For Class 52 Rating, Deduct	-400.38	
			For Class 54 Rating, Add	554.94	
			For Class 55 Rating, Add	829.61	
			For Class 56 Rating, Add	1,100.65	
40 05 19 00-0110	EA	8"	Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,496.41	497.37
			For Class 52 Rating, Deduct	-411.71	
			For Class 54 Rating, Add	570.46	
			For Class 55 Rating, Add	852.73	
			For Class 56 Rating, Add	1,131.26	
40 05 19 00-0111	EA	8"	Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,605.78	501.59
			For Class 52 Rating, Deduct	-423.04	
			For Class 54 Rating, Add	585.99	
			For Class 55 Rating, Add	875.85	
			For Class 56 Rating, Add	1,161.87	
40 05 19 00-0112	EA	8"	Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,715.16	505.81
			For Class 52 Rating, Deduct	-434.37	
			For Class 54 Rating, Add	601.51	
			For Class 55 Rating, Add	898.97	
			For Class 56 Rating, Add	1,192.48	
40 05 19 00-0113	EA	8"	Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,824.55	510.03
			For Class 52 Rating, Deduct	-445.70	
			For Class 54 Rating, Add	617.04	
			For Class 55 Rating, Add	922.10	
			For Class 56 Rating, Add	1,223.10	
40 05 19 00-0114	EA	8"	Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,933.92	514.24
			For Class 52 Rating, Deduct	-457.03	
			For Class 54 Rating, Add	632.57	
			For Class 55 Rating, Add	945.22	
			For Class 56 Rating, Add	1,253.71	
40 05 19 00-0115	EA	8"	Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,043.30	518.46
			For Class 52 Rating, Deduct	-468.35	
			For Class 54 Rating, Add	648.09	
			For Class 55 Rating, Add	968.34	
			For Class 56 Rating, Add	1,284.32	
40 05 19 00-0116	EA	8"	Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,152.68	522.67
			For Class 52 Rating, Deduct	-479.68	
			For Class 54 Rating, Add	663.62	
			For Class 55 Rating, Add	991.46	
			For Class 56 Rating, Add	1,314.93	
40 05 19 00-0117	EA	8"	Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,262.05	526.88
			For Class 52 Rating, Deduct	-491.01	
			For Class 54 Rating, Add	679.14	
			For Class 55 Rating, Add	1,014.58	
			For Class 56 Rating, Add	1,345.55	
40 05 19 00-0118	EA	8"	Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,371.43	531.10
			For Class 52 Rating, Deduct	-502.34	
			For Class 54 Rating, Add	694.67	
			For Class 55 Rating, Add	1,037.70	
			For Class 56 Rating, Add	1,376.16	
40 05 19 00-0119	EA	8"	Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,480.82	535.31
			For Class 52 Rating, Deduct	-513.67	
			For Class 54 Rating, Add	710.19	
			For Class 55 Rating, Add	1,060.82	
			For Class 56 Rating, Add	1,406.77	
40 05 19 00-0120	EA	8"	Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,590.19	539.53
			For Class 52 Rating, Deduct	-525.00	
			For Class 54 Rating, Add	725.72	
			For Class 55 Rating, Add	1,083.94	
			For Class 56 Rating, Add	1,437.38	
40 05 19 00-0121	EA	8"	Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,699.57	543.74
			For Class 52 Rating, Deduct	-536.33	
			For Class 54 Rating, Add	741.24	
			For Class 55 Rating, Add	1,107.06	
			For Class 56 Rating, Add	1,468.00	
40 05 19 00-0122	EA	8"	Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,808.95	547.96
			For Class 52 Rating, Deduct	-547.66	
			For Class 54 Rating, Add	756.77	
			For Class 55 Rating, Add	1,130.18	
			For Class 56 Rating, Add	1,498.61	
40 05 19 00-0123			10" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0002)		
40 05 19 00-0124	EA	10"	Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,082.26	472.08
			For Class 52 Rating, Deduct	-150.37	
			For Class 54 Rating, Add	213.63	
			For Class 55 Rating, Add	322.00	
			For Class 56 Rating, Add	429.01	
40 05 19 00-0125	EA	10"	Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,224.40	476.30
			For Class 52 Rating, Deduct	-165.30	
			For Class 54 Rating, Add	234.07	
			For Class 55 Rating, Add	352.43	
			For Class 56 Rating, Add	469.29	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
40 05 19 00-0126	EA 10" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,366.55		480.51
	For Class 52 Rating, Deduct	-180.24		
	For Class 54 Rating, Add	254.51		
	For Class 55 Rating, Add	382.86		
	For Class 56 Rating, Add	509.57		
40 05 19 00-0127	EA 10" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,508.71		484.73
	For Class 52 Rating, Deduct	-195.17		
	For Class 54 Rating, Add	274.95		
	For Class 55 Rating, Add	413.29		
	For Class 56 Rating, Add	549.85		
40 05 19 00-0128	EA 10" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,650.85		488.94
	For Class 52 Rating, Deduct	-210.10		
	For Class 54 Rating, Add	295.39		
	For Class 55 Rating, Add	443.72		
	For Class 56 Rating, Add	590.13		
40 05 19 00-0129	EA 10" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,793.00		493.16
	For Class 52 Rating, Deduct	-225.04		
	For Class 54 Rating, Add	315.84		
	For Class 55 Rating, Add	474.14		
	For Class 56 Rating, Add	630.41		
40 05 19 00-0130	EA 10" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,935.15		497.37
	For Class 52 Rating, Deduct	-239.97		
	For Class 54 Rating, Add	336.28		
	For Class 55 Rating, Add	504.57		
	For Class 56 Rating, Add	670.69		
40 05 19 00-0131	EA 10" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,077.29		501.59
	For Class 52 Rating, Deduct	-254.90		
	For Class 54 Rating, Add	356.72		
	For Class 55 Rating, Add	535.00		
	For Class 56 Rating, Add	710.97		
40 05 19 00-0132	EA 10" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,219.44		505.81
	For Class 52 Rating, Deduct	-269.84		
	For Class 54 Rating, Add	377.16		
	For Class 55 Rating, Add	565.43		
	For Class 56 Rating, Add	751.24		
40 05 19 00-0133	EA 10" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,361.60		510.03
	For Class 52 Rating, Deduct	-284.77		
	For Class 54 Rating, Add	397.60		
	For Class 55 Rating, Add	595.86		
	For Class 56 Rating, Add	791.53		
40 05 19 00-0134	EA 10" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,503.74		514.24
	For Class 52 Rating, Deduct	-299.71		
	For Class 54 Rating, Add	418.04		
	For Class 55 Rating, Add	626.29		
	For Class 56 Rating, Add	831.81		
40 05 19 00-0135	EA 10" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,645.89		518.46
	For Class 52 Rating, Deduct	-314.64		
	For Class 54 Rating, Add	438.48		
	For Class 55 Rating, Add	656.71		
	For Class 56 Rating, Add	872.09		
40 05 19 00-0136	EA 10" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,788.04		522.67
	For Class 52 Rating, Deduct	-329.57		
	For Class 54 Rating, Add	458.92		
	For Class 55 Rating, Add	687.14		
	For Class 56 Rating, Add	912.36		
40 05 19 00-0137	EA 10" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,930.18		526.88
	For Class 52 Rating, Deduct	-344.51		
	For Class 54 Rating, Add	479.36		
	For Class 55 Rating, Add	717.57		
	For Class 56 Rating, Add	952.64		
40 05 19 00-0138	EA 10" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,072.34		531.10
	For Class 52 Rating, Deduct	-359.44		
	For Class 54 Rating, Add	499.80		
	For Class 55 Rating, Add	748.00		
	For Class 56 Rating, Add	992.93		
40 05 19 00-0139	EA 10" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,214.49		535.31
	For Class 52 Rating, Deduct	-374.38		
	For Class 54 Rating, Add	520.24		
	For Class 55 Rating, Add	778.43		
	For Class 56 Rating, Add	1,033.20		
40 05 19 00-0140	EA 10" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,356.63		539.53
	For Class 52 Rating, Deduct	-389.31		
	For Class 54 Rating, Add	540.69		
	For Class 55 Rating, Add	808.85		
	For Class 56 Rating, Add	1,073.48		
40 05 19 00-0141	EA 10" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,498.78		543.74
	For Class 52 Rating, Deduct	-404.24		
	For Class 54 Rating, Add	561.13		
	For Class 55 Rating, Add	839.28		
	For Class 56 Rating, Add	1,113.76		
40 05 19 00-0142	EA 10" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,640.93		547.96
	For Class 52 Rating, Deduct	-419.18		
	For Class 54 Rating, Add	581.57		
	For Class 55 Rating, Add	869.71		
	For Class 56 Rating, Add	1,154.04		
40 05 19 00-0143	EA 10" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,783.08		552.17
	For Class 52 Rating, Deduct	-434.11		
	For Class 54 Rating, Add	602.01		
	For Class 55 Rating, Add	900.14		
	For Class 56 Rating, Add	1,194.32		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0144	EA	10"	Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,925.23	556.39
			For Class 52 Rating, Deduct	-449.04	
			For Class 54 Rating, Add	622.45	
			For Class 55 Rating, Add	930.57	
			For Class 56 Rating, Add	1,234.60	
40 05 19 00-0145	EA	10"	Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,067.38	560.60
			For Class 52 Rating, Deduct	-463.98	
			For Class 54 Rating, Add	642.89	
			For Class 55 Rating, Add	961.00	
			For Class 56 Rating, Add	1,274.88	
40 05 19 00-0146	EA	10"	Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,209.53	564.82
			For Class 52 Rating, Deduct	-478.91	
			For Class 54 Rating, Add	663.33	
			For Class 55 Rating, Add	991.42	
			For Class 56 Rating, Add	1,315.16	
40 05 19 00-0147	EA	10"	Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,351.67	569.03
			For Class 52 Rating, Deduct	-493.85	
			For Class 54 Rating, Add	683.77	
			For Class 55 Rating, Add	1,021.85	
			For Class 56 Rating, Add	1,355.44	
40 05 19 00-0148	EA	10"	Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,493.82	573.24
			For Class 52 Rating, Deduct	-508.78	
			For Class 54 Rating, Add	704.21	
			For Class 55 Rating, Add	1,052.28	
			For Class 56 Rating, Add	1,395.72	
40 05 19 00-0149	EA	10"	Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,635.97	577.46
			For Class 52 Rating, Deduct	-523.71	
			For Class 54 Rating, Add	724.65	
			For Class 55 Rating, Add	1,082.71	
			For Class 56 Rating, Add	1,436.00	
40 05 19 00-0150	EA	10"	Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,778.12	581.67
			For Class 52 Rating, Deduct	-538.65	
			For Class 54 Rating, Add	745.09	
			For Class 55 Rating, Add	1,113.14	
			For Class 56 Rating, Add	1,476.28	
40 05 19 00-0151	EA	10"	Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,920.27	585.89
			For Class 52 Rating, Deduct	-553.58	
			For Class 54 Rating, Add	765.54	
			For Class 55 Rating, Add	1,143.56	
			For Class 56 Rating, Add	1,516.56	
40 05 19 00-0152	EA	10"	Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,062.42	590.10
			For Class 52 Rating, Deduct	-568.51	
			For Class 54 Rating, Add	785.98	
			For Class 55 Rating, Add	1,173.99	
			For Class 56 Rating, Add	1,556.84	
40 05 19 00-0153	EA	10"	Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,204.56	594.32
			For Class 52 Rating, Deduct	-583.45	
			For Class 54 Rating, Add	806.42	
			For Class 55 Rating, Add	1,204.42	
			For Class 56 Rating, Add	1,597.12	
40 05 19 00-0154	EA	10"	Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,346.71	598.54
			For Class 52 Rating, Deduct	-598.38	
			For Class 54 Rating, Add	826.86	
			For Class 55 Rating, Add	1,234.85	
			For Class 56 Rating, Add	1,637.40	
40 05 19 00-0155	EA	10"	Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,486.52	602.76
			For Class 52 Rating, Deduct	-613.06	
			For Class 54 Rating, Add	846.95	
			For Class 55 Rating, Add	1,264.75	
			For Class 56 Rating, Add	1,676.99	
40 05 19 00-0156	EA	10"	Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,631.01	606.97
			For Class 52 Rating, Deduct	-628.25	
			For Class 54 Rating, Add	867.74	
			For Class 55 Rating, Add	1,295.70	
			For Class 56 Rating, Add	1,717.96	
40 05 19 00-0157	EA	10"	Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,773.15	611.19
			For Class 52 Rating, Deduct	-643.18	
			For Class 54 Rating, Add	888.18	
			For Class 55 Rating, Add	1,326.13	
			For Class 56 Rating, Add	1,758.24	
40 05 19 00-0158	EA	10"	Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,915.30	615.40
			For Class 52 Rating, Deduct	-658.12	
			For Class 54 Rating, Add	908.62	
			For Class 55 Rating, Add	1,356.56	
			For Class 56 Rating, Add	1,798.52	
40 05 19 00-0159	EA	10"	Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,057.44	619.62
			For Class 52 Rating, Deduct	-673.05	
			For Class 54 Rating, Add	929.06	
			For Class 55 Rating, Add	1,386.99	
			For Class 56 Rating, Add	1,838.80	
40 05 19 00-0160	EA	10"	Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,199.59	623.83
			For Class 52 Rating, Deduct	-687.98	
			For Class 54 Rating, Add	949.50	
			For Class 55 Rating, Add	1,417.42	
			For Class 56 Rating, Add	1,879.07	
40 05 19 00-0161	EA	10"	Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,341.75	628.04
			For Class 52 Rating, Deduct	-702.92	
			For Class 54 Rating, Add	969.94	
			For Class 55 Rating, Add	1,447.85	
			For Class 56 Rating, Add	1,919.36	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-0162	EA	10" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,483.89	632.26
		For Class 52 Rating, Deduct	-717.85	
		For Class 54 Rating, Add	990.39	
		For Class 55 Rating, Add	1,478.27	
		For Class 56 Rating, Add	1,959.64	

40 05 19 00-0163 12" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe

(40 05 19 00-0002)

40 05 19 00-0164	EA	12" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,724.55	590.10
		For Class 52 Rating, Deduct	-201.35	
		For Class 54 Rating, Add	285.30	
		For Class 55 Rating, Add	429.65	
		For Class 56 Rating, Add	572.17	
40 05 19 00-0165	EA	12" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,901.81	594.32
		For Class 52 Rating, Deduct	-220.15	
		For Class 54 Rating, Add	311.00	
		For Class 55 Rating, Add	467.91	
		For Class 56 Rating, Add	622.81	
40 05 19 00-0166	EA	12" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,079.07	598.54
		For Class 52 Rating, Deduct	-238.94	
		For Class 54 Rating, Add	336.71	
		For Class 55 Rating, Add	506.16	
		For Class 56 Rating, Add	673.44	
40 05 19 00-0167	EA	12" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,256.33	602.76
		For Class 52 Rating, Deduct	-257.74	
		For Class 54 Rating, Add	362.42	
		For Class 55 Rating, Add	544.42	
		For Class 56 Rating, Add	724.08	
40 05 19 00-0168	EA	12" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,433.58	606.97
		For Class 52 Rating, Deduct	-276.53	
		For Class 54 Rating, Add	388.13	
		For Class 55 Rating, Add	582.68	
		For Class 56 Rating, Add	774.72	
40 05 19 00-0169	EA	12" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,610.84	611.19
		For Class 52 Rating, Deduct	-295.33	
		For Class 54 Rating, Add	413.83	
		For Class 55 Rating, Add	620.94	
		For Class 56 Rating, Add	825.36	
40 05 19 00-0170	EA	12" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,788.10	615.40
		For Class 52 Rating, Deduct	-314.12	
		For Class 54 Rating, Add	439.54	
		For Class 55 Rating, Add	659.19	
		For Class 56 Rating, Add	875.99	
40 05 19 00-0171	EA	12" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,965.35	619.62
		For Class 52 Rating, Deduct	-332.92	
		For Class 54 Rating, Add	465.25	
		For Class 55 Rating, Add	697.45	
		For Class 56 Rating, Add	926.63	
40 05 19 00-0172	EA	12" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,142.61	623.83
		For Class 52 Rating, Deduct	-351.72	
		For Class 54 Rating, Add	490.96	
		For Class 55 Rating, Add	735.71	
		For Class 56 Rating, Add	977.27	
40 05 19 00-0173	EA	12" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,319.88	628.04
		For Class 52 Rating, Deduct	-370.51	
		For Class 54 Rating, Add	516.66	
		For Class 55 Rating, Add	773.97	
		For Class 56 Rating, Add	1,027.91	
40 05 19 00-0174	EA	12" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,497.13	632.26
		For Class 52 Rating, Deduct	-389.31	
		For Class 54 Rating, Add	542.37	
		For Class 55 Rating, Add	812.23	
		For Class 56 Rating, Add	1,078.54	
40 05 19 00-0175	EA	12" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,674.39	636.47
		For Class 52 Rating, Deduct	-408.10	
		For Class 54 Rating, Add	568.08	
		For Class 55 Rating, Add	850.48	
		For Class 56 Rating, Add	1,129.18	
40 05 19 00-0176	EA	12" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,851.65	640.69
		For Class 52 Rating, Deduct	-426.90	
		For Class 54 Rating, Add	593.79	
		For Class 55 Rating, Add	888.74	
		For Class 56 Rating, Add	1,179.82	
40 05 19 00-0177	EA	12" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,028.91	644.90
		For Class 52 Rating, Deduct	-445.70	
		For Class 54 Rating, Add	619.49	
		For Class 55 Rating, Add	927.00	
		For Class 56 Rating, Add	1,230.45	
40 05 19 00-0178	EA	12" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,206.17	649.12
		For Class 52 Rating, Deduct	-464.49	
		For Class 54 Rating, Add	645.20	
		For Class 55 Rating, Add	965.26	
		For Class 56 Rating, Add	1,281.09	
40 05 19 00-0179	EA	12" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,383.43	653.33
		For Class 52 Rating, Deduct	-483.29	
		For Class 54 Rating, Add	670.91	
		For Class 55 Rating, Add	1,003.51	
		For Class 56 Rating, Add	1,331.73	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0180	EA	12" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	5,560.68	657.55
		For Class 52 Rating, Deduct		-502.08	
		For Class 54 Rating, Add		696.62	
		For Class 55 Rating, Add		1,041.77	
		For Class 56 Rating, Add		1,382.36	
40 05 19 00-0181	EA	12" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	5,737.95	661.76
		For Class 52 Rating, Deduct		-520.88	
		For Class 54 Rating, Add		722.32	
		For Class 55 Rating, Add		1,080.03	
		For Class 56 Rating, Add		1,433.00	
40 05 19 00-0182	EA	12" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	5,915.21	665.98
		For Class 52 Rating, Deduct		-539.68	
		For Class 54 Rating, Add		748.03	
		For Class 55 Rating, Add		1,118.29	
		For Class 56 Rating, Add		1,483.64	
40 05 19 00-0183	EA	12" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	6,092.46	670.19
		For Class 52 Rating, Deduct		-558.47	
		For Class 54 Rating, Add		773.74	
		For Class 55 Rating, Add		1,156.55	
		For Class 56 Rating, Add		1,534.28	
40 05 19 00-0184	EA	12" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	6,269.72	674.41
		For Class 52 Rating, Deduct		-577.27	
		For Class 54 Rating, Add		799.45	
		For Class 55 Rating, Add		1,194.80	
		For Class 56 Rating, Add		1,584.91	
40 05 19 00-0185	EA	12" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	6,446.99	678.62
		For Class 52 Rating, Deduct		-596.06	
		For Class 54 Rating, Add		825.15	
		For Class 55 Rating, Add		1,233.06	
		For Class 56 Rating, Add		1,635.55	
40 05 19 00-0186	EA	12" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	6,624.24	682.83
		For Class 52 Rating, Deduct		-614.86	
		For Class 54 Rating, Add		850.86	
		For Class 55 Rating, Add		1,271.32	
		For Class 56 Rating, Add		1,686.19	
40 05 19 00-0187	EA	12" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	6,801.50	687.05
		For Class 52 Rating, Deduct		-633.66	
		For Class 54 Rating, Add		876.57	
		For Class 55 Rating, Add		1,309.58	
		For Class 56 Rating, Add		1,736.83	
40 05 19 00-0188	EA	12" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	6,978.76	691.27
		For Class 52 Rating, Deduct		-652.45	
		For Class 54 Rating, Add		902.28	
		For Class 55 Rating, Add		1,347.83	
		For Class 56 Rating, Add		1,787.46	
40 05 19 00-0189	EA	12" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	7,156.02	695.49
		For Class 52 Rating, Deduct		-671.25	
		For Class 54 Rating, Add		927.98	
		For Class 55 Rating, Add		1,386.09	
		For Class 56 Rating, Add		1,838.10	
40 05 19 00-0190	EA	12" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	7,333.28	699.70
		For Class 52 Rating, Deduct		-690.04	
		For Class 54 Rating, Add		953.69	
		For Class 55 Rating, Add		1,424.35	
		For Class 56 Rating, Add		1,888.74	
40 05 19 00-0191	EA	12" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	7,510.54	703.92
		For Class 52 Rating, Deduct		-708.84	
		For Class 54 Rating, Add		979.40	
		For Class 55 Rating, Add		1,462.61	
		For Class 56 Rating, Add		1,939.38	
40 05 19 00-0192	EA	12" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	7,687.80	708.13
		For Class 52 Rating, Deduct		-727.64	
		For Class 54 Rating, Add		1,005.11	
		For Class 55 Rating, Add		1,500.87	
		For Class 56 Rating, Add		1,990.01	
40 05 19 00-0193	EA	12" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	7,865.06	712.35
		For Class 52 Rating, Deduct		-746.43	
		For Class 54 Rating, Add		1,030.81	
		For Class 55 Rating, Add		1,539.13	
		For Class 56 Rating, Add		2,040.65	
40 05 19 00-0194	EA	12" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	8,042.32	716.56
		For Class 52 Rating, Deduct		-765.23	
		For Class 54 Rating, Add		1,056.52	
		For Class 55 Rating, Add		1,577.38	
		For Class 56 Rating, Add		2,091.29	
40 05 19 00-0195	EA	12" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	8,219.58	720.78
		For Class 52 Rating, Deduct		-784.02	
		For Class 54 Rating, Add		1,082.23	
		For Class 55 Rating, Add		1,615.64	
		For Class 56 Rating, Add		2,141.92	
40 05 19 00-0196	EA	12" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	8,396.83	724.99
		For Class 52 Rating, Deduct		-802.82	
		For Class 54 Rating, Add		1,107.94	
		For Class 55 Rating, Add		1,653.90	
		For Class 56 Rating, Add		2,192.56	
40 05 19 00-0197	EA	12" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	8,574.10	729.20
		For Class 52 Rating, Deduct		-821.62	
		For Class 54 Rating, Add		1,133.64	
		For Class 55 Rating, Add		1,692.16	
		For Class 56 Rating, Add		2,243.20	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-0198	EA	12" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,751.36	733.42
		For Class 52 Rating, Deduct	-840.41	
		For Class 54 Rating, Add	1,159.35	
		For Class 55 Rating, Add	1,730.41	
		For Class 56 Rating, Add	2,293.84	
40 05 19 00-0199	EA	12" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,928.61	737.63
		For Class 52 Rating, Deduct	-859.21	
		For Class 54 Rating, Add	1,185.06	
		For Class 55 Rating, Add	1,768.67	
		For Class 56 Rating, Add	2,344.47	
40 05 19 00-0200	EA	12" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,105.87	741.85
		For Class 52 Rating, Deduct	-878.00	
		For Class 54 Rating, Add	1,210.77	
		For Class 55 Rating, Add	1,806.93	
		For Class 56 Rating, Add	2,395.11	
40 05 19 00-0201	EA	12" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,283.13	746.06
		For Class 52 Rating, Deduct	-896.80	
		For Class 54 Rating, Add	1,236.47	
		For Class 55 Rating, Add	1,845.19	
		For Class 56 Rating, Add	2,445.75	
40 05 19 00-0202	EA	12" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,460.38	750.28
		For Class 52 Rating, Deduct	-915.60	
		For Class 54 Rating, Add	1,262.18	
		For Class 55 Rating, Add	1,883.45	
		For Class 56 Rating, Add	2,496.39	

40 05 19 00-0203 14" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe

(40 05 19 00-0002)

40 05 19 00-0204	EA	14" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,636.02	708.13
		For Class 52 Rating, Deduct	-281.94	
		For Class 54 Rating, Add	397.34	
		For Class 55 Rating, Add	597.32	
		For Class 56 Rating, Add	794.74	
40 05 19 00-0205	EA	14" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,850.72	712.35
		For Class 52 Rating, Deduct	-304.86	
		For Class 54 Rating, Add	428.66	
		For Class 55 Rating, Add	643.93	
		For Class 56 Rating, Add	856.42	
40 05 19 00-0206	EA	14" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,065.44	716.56
		For Class 52 Rating, Deduct	-327.77	
		For Class 54 Rating, Add	459.99	
		For Class 55 Rating, Add	690.54	
		For Class 56 Rating, Add	918.11	
40 05 19 00-0207	EA	14" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,280.15	720.78
		For Class 52 Rating, Deduct	-350.69	
		For Class 54 Rating, Add	491.31	
		For Class 55 Rating, Add	737.15	
		For Class 56 Rating, Add	979.79	
40 05 19 00-0208	EA	14" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,494.85	724.99
		For Class 52 Rating, Deduct	-373.60	
		For Class 54 Rating, Add	522.64	
		For Class 55 Rating, Add	783.76	
		For Class 56 Rating, Add	1,041.48	
40 05 19 00-0209	EA	14" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,709.57	729.20
		For Class 52 Rating, Deduct	-396.52	
		For Class 54 Rating, Add	553.96	
		For Class 55 Rating, Add	830.37	
		For Class 56 Rating, Add	1,103.16	
40 05 19 00-0210	EA	14" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,924.28	733.42
		For Class 52 Rating, Deduct	-419.43	
		For Class 54 Rating, Add	585.29	
		For Class 55 Rating, Add	876.98	
		For Class 56 Rating, Add	1,164.85	
40 05 19 00-0211	EA	14" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,138.99	737.63
		For Class 52 Rating, Deduct	-442.35	
		For Class 54 Rating, Add	616.62	
		For Class 55 Rating, Add	923.59	
		For Class 56 Rating, Add	1,226.54	
40 05 19 00-0212	EA	14" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,353.69	741.85
		For Class 52 Rating, Deduct	-465.26	
		For Class 54 Rating, Add	647.94	
		For Class 55 Rating, Add	970.19	
		For Class 56 Rating, Add	1,288.22	
40 05 19 00-0213	EA	14" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,568.41	746.06
		For Class 52 Rating, Deduct	-488.18	
		For Class 54 Rating, Add	679.27	
		For Class 55 Rating, Add	1,016.81	
		For Class 56 Rating, Add	1,349.91	
40 05 19 00-0214	EA	14" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,783.11	750.28
		For Class 52 Rating, Deduct	-511.10	
		For Class 54 Rating, Add	710.59	
		For Class 55 Rating, Add	1,063.41	
		For Class 56 Rating, Add	1,411.59	
40 05 19 00-0215	EA	14" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,997.82	754.49
		For Class 52 Rating, Deduct	-534.01	
		For Class 54 Rating, Add	741.92	
		For Class 55 Rating, Add	1,110.02	
		For Class 56 Rating, Add	1,473.28	

MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
40 05 19 00-0216	EA	14" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,212.54	758.71
		For Class 52 Rating, Deduct	-556.93	
		For Class 54 Rating, Add	773.24	
		For Class 55 Rating, Add	1,156.63	
		For Class 56 Rating, Add	1,534.96	
40 05 19 00-0217	EA	14" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,427.24	762.92
		For Class 52 Rating, Deduct	-579.84	
		For Class 54 Rating, Add	804.57	
		For Class 55 Rating, Add	1,203.24	
		For Class 56 Rating, Add	1,596.65	
40 05 19 00-0218	EA	14" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,641.96	767.14
		For Class 52 Rating, Deduct	-602.76	
		For Class 54 Rating, Add	835.89	
		For Class 55 Rating, Add	1,249.85	
		For Class 56 Rating, Add	1,658.33	
40 05 19 00-0219	EA	14" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,856.67	771.35
		For Class 52 Rating, Deduct	-625.67	
		For Class 54 Rating, Add	867.22	
		For Class 55 Rating, Add	1,296.46	
		For Class 56 Rating, Add	1,720.02	
40 05 19 00-0220	EA	14" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,071.37	775.57
		For Class 52 Rating, Deduct	-648.59	
		For Class 54 Rating, Add	898.54	
		For Class 55 Rating, Add	1,343.07	
		For Class 56 Rating, Add	1,781.70	
40 05 19 00-0221	EA	14" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,286.09	779.78
		For Class 52 Rating, Deduct	-671.51	
		For Class 54 Rating, Add	929.87	
		For Class 55 Rating, Add	1,389.68	
		For Class 56 Rating, Add	1,843.39	
40 05 19 00-0222	EA	14" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,500.80	784.00
		For Class 52 Rating, Deduct	-694.42	
		For Class 54 Rating, Add	961.19	
		For Class 55 Rating, Add	1,436.29	
		For Class 56 Rating, Add	1,905.08	
40 05 19 00-0223	EA	14" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,715.51	788.22
		For Class 52 Rating, Deduct	-717.34	
		For Class 54 Rating, Add	992.52	
		For Class 55 Rating, Add	1,482.90	
		For Class 56 Rating, Add	1,966.76	
40 05 19 00-0224	EA	14" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,930.22	792.43
		For Class 52 Rating, Deduct	-740.25	
		For Class 54 Rating, Add	1,023.84	
		For Class 55 Rating, Add	1,529.51	
		For Class 56 Rating, Add	2,028.45	
40 05 19 00-0225	EA	14" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,144.93	796.65
		For Class 52 Rating, Deduct	-763.17	
		For Class 54 Rating, Add	1,055.17	
		For Class 55 Rating, Add	1,576.12	
		For Class 56 Rating, Add	2,090.13	
40 05 19 00-0226	EA	14" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,359.64	800.86
		For Class 52 Rating, Deduct	-786.08	
		For Class 54 Rating, Add	1,086.49	
		For Class 55 Rating, Add	1,622.73	
		For Class 56 Rating, Add	2,151.82	
40 05 19 00-0227	EA	14" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,574.35	805.08
		For Class 52 Rating, Deduct	-809.00	
		For Class 54 Rating, Add	1,117.82	
		For Class 55 Rating, Add	1,669.34	
		For Class 56 Rating, Add	2,213.50	
40 05 19 00-0228	EA	14" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,789.07	809.29
		For Class 52 Rating, Deduct	-831.92	
		For Class 54 Rating, Add	1,149.14	
		For Class 55 Rating, Add	1,715.95	
		For Class 56 Rating, Add	2,275.19	
40 05 19 00-0229	EA	14" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,003.77	813.51
		For Class 52 Rating, Deduct	-854.83	
		For Class 54 Rating, Add	1,180.47	
		For Class 55 Rating, Add	1,762.56	
		For Class 56 Rating, Add	2,336.87	
40 05 19 00-0230	EA	14" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,218.48	817.72
		For Class 52 Rating, Deduct	-877.75	
		For Class 54 Rating, Add	1,211.79	
		For Class 55 Rating, Add	1,809.17	
		For Class 56 Rating, Add	2,398.56	
40 05 19 00-0231	EA	14" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,433.20	821.94
		For Class 52 Rating, Deduct	-900.66	
		For Class 54 Rating, Add	1,243.12	
		For Class 55 Rating, Add	1,855.78	
		For Class 56 Rating, Add	2,460.25	
40 05 19 00-0232	EA	14" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,647.90	826.15
		For Class 52 Rating, Deduct	-923.58	
		For Class 54 Rating, Add	1,274.44	
		For Class 55 Rating, Add	1,902.39	
		For Class 56 Rating, Add	2,521.93	
40 05 19 00-0233	EA	14" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,862.62	830.37
		For Class 52 Rating, Deduct	-946.49	
		For Class 54 Rating, Add	1,305.77	
		For Class 55 Rating, Add	1,949.00	
		For Class 56 Rating, Add	2,583.62	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-0234	EA	14" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,077.33	834.58
		For Class 52 Rating, Deduct	-969.41	
		For Class 54 Rating, Add	1,337.10	
		For Class 55 Rating, Add	1,995.61	
		For Class 56 Rating, Add	2,645.30	
40 05 19 00-0235	EA	14" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,292.03	838.79
		For Class 52 Rating, Deduct	-992.32	
		For Class 54 Rating, Add	1,368.42	
		For Class 55 Rating, Add	2,042.21	
		For Class 56 Rating, Add	2,706.99	
40 05 19 00-0236	EA	14" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,506.75	843.01
		For Class 52 Rating, Deduct	-1,015.24	
		For Class 54 Rating, Add	1,399.75	
		For Class 55 Rating, Add	2,088.82	
		For Class 56 Rating, Add	2,768.67	
40 05 19 00-0237	EA	14" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,721.46	847.22
		For Class 52 Rating, Deduct	-1,038.16	
		For Class 54 Rating, Add	1,431.07	
		For Class 55 Rating, Add	2,135.43	
		For Class 56 Rating, Add	2,830.36	
40 05 19 00-0238	EA	14" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,936.17	851.44
		For Class 52 Rating, Deduct	-1,061.07	
		For Class 54 Rating, Add	1,462.40	
		For Class 55 Rating, Add	2,182.04	
		For Class 56 Rating, Add	2,892.04	
40 05 19 00-0239	EA	14" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,150.88	855.65
		For Class 52 Rating, Deduct	-1,083.99	
		For Class 54 Rating, Add	1,493.72	
		For Class 55 Rating, Add	2,228.65	
		For Class 56 Rating, Add	2,953.73	
40 05 19 00-0240	EA	14" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,365.60	859.87
		For Class 52 Rating, Deduct	-1,106.90	
		For Class 54 Rating, Add	1,525.05	
		For Class 55 Rating, Add	2,275.26	
		For Class 56 Rating, Add	3,015.42	
40 05 19 00-0241	EA	14" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,580.31	864.08
		For Class 52 Rating, Deduct	-1,129.82	
		For Class 54 Rating, Add	1,556.37	
		For Class 55 Rating, Add	2,321.87	
		For Class 56 Rating, Add	3,077.10	

40 05 19 00-0242 16" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe

(40 05 19 00-0002)

40 05 19 00-0243	EA	16" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,264.45	809.29
		For Class 52 Rating, Deduct	-334.21	
		For Class 54 Rating, Add	470.45	
		For Class 55 Rating, Add	706.96	
		For Class 56 Rating, Add	940.43	
40 05 19 00-0244	EA	16" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,514.27	813.51
		For Class 52 Rating, Deduct	-360.99	
		For Class 54 Rating, Add	507.04	
		For Class 55 Rating, Add	761.40	
		For Class 56 Rating, Add	1,012.47	
40 05 19 00-0245	EA	16" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,764.09	817.72
		For Class 52 Rating, Deduct	-387.76	
		For Class 54 Rating, Add	543.64	
		For Class 55 Rating, Add	815.84	
		For Class 56 Rating, Add	1,084.51	
40 05 19 00-0246	EA	16" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,013.92	821.94
		For Class 52 Rating, Deduct	-414.54	
		For Class 54 Rating, Add	580.23	
		For Class 55 Rating, Add	870.28	
		For Class 56 Rating, Add	1,156.56	
40 05 19 00-0247	EA	16" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,263.73	826.15
		For Class 52 Rating, Deduct	-441.32	
		For Class 54 Rating, Add	616.82	
		For Class 55 Rating, Add	924.72	
		For Class 56 Rating, Add	1,228.60	
40 05 19 00-0248	EA	16" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,513.56	830.37
		For Class 52 Rating, Deduct	-468.10	
		For Class 54 Rating, Add	653.41	
		For Class 55 Rating, Add	979.16	
		For Class 56 Rating, Add	1,300.64	
40 05 19 00-0249	EA	16" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,763.38	834.58
		For Class 52 Rating, Deduct	-494.87	
		For Class 54 Rating, Add	690.00	
		For Class 55 Rating, Add	1,033.59	
		For Class 56 Rating, Add	1,372.69	
40 05 19 00-0250	EA	16" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,013.20	838.79
		For Class 52 Rating, Deduct	-521.65	
		For Class 54 Rating, Add	726.60	
		For Class 55 Rating, Add	1,088.03	
		For Class 56 Rating, Add	1,444.73	
40 05 19 00-0251	EA	16" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,263.02	843.01
		For Class 52 Rating, Deduct	-548.43	
		For Class 54 Rating, Add	763.19	
		For Class 55 Rating, Add	1,142.47	
		For Class 56 Rating, Add	1,516.77	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0252	EA	16" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,512.85	847.22
		For Class 52 Rating, Deduct	-575.21	
		For Class 54 Rating, Add	799.78	
		For Class 55 Rating, Add	1,196.91	
		For Class 56 Rating, Add	1,588.82	
40 05 19 00-0253	EA	16" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,762.66	851.44
		For Class 52 Rating, Deduct	-601.99	
		For Class 54 Rating, Add	836.37	
		For Class 55 Rating, Add	1,251.35	
		For Class 56 Rating, Add	1,660.86	
40 05 19 00-0254	EA	16" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,012.49	855.65
		For Class 52 Rating, Deduct	-628.76	
		For Class 54 Rating, Add	872.96	
		For Class 55 Rating, Add	1,305.79	
		For Class 56 Rating, Add	1,732.90	
40 05 19 00-0255	EA	16" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,262.31	859.87
		For Class 52 Rating, Deduct	-655.54	
		For Class 54 Rating, Add	909.55	
		For Class 55 Rating, Add	1,360.23	
		For Class 56 Rating, Add	1,804.95	
40 05 19 00-0256	EA	16" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,512.14	864.08
		For Class 52 Rating, Deduct	-682.32	
		For Class 54 Rating, Add	946.15	
		For Class 55 Rating, Add	1,414.67	
		For Class 56 Rating, Add	1,876.99	
40 05 19 00-0257	EA	16" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,761.95	868.30
		For Class 52 Rating, Deduct	-709.10	
		For Class 54 Rating, Add	982.74	
		For Class 55 Rating, Add	1,469.11	
		For Class 56 Rating, Add	1,949.03	
40 05 19 00-0258	EA	16" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,011.78	872.52
		For Class 52 Rating, Deduct	-735.88	
		For Class 54 Rating, Add	1,019.33	
		For Class 55 Rating, Add	1,523.55	
		For Class 56 Rating, Add	2,021.08	
40 05 19 00-0259	EA	16" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,261.60	876.74
		For Class 52 Rating, Deduct	-762.65	
		For Class 54 Rating, Add	1,055.92	
		For Class 55 Rating, Add	1,577.99	
		For Class 56 Rating, Add	2,093.12	
40 05 19 00-0260	EA	16" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,511.41	880.95
		For Class 52 Rating, Deduct	-789.43	
		For Class 54 Rating, Add	1,092.51	
		For Class 55 Rating, Add	1,632.43	
		For Class 56 Rating, Add	2,165.16	
40 05 19 00-0261	EA	16" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,761.23	885.16
		For Class 52 Rating, Deduct	-816.21	
		For Class 54 Rating, Add	1,129.11	
		For Class 55 Rating, Add	1,686.87	
		For Class 56 Rating, Add	2,237.21	
40 05 19 00-0262	EA	16" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,011.06	889.38
		For Class 52 Rating, Deduct	-842.99	
		For Class 54 Rating, Add	1,165.70	
		For Class 55 Rating, Add	1,741.31	
		For Class 56 Rating, Add	2,309.25	
40 05 19 00-0263	EA	16" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,260.87	893.59
		For Class 52 Rating, Deduct	-869.76	
		For Class 54 Rating, Add	1,202.29	
		For Class 55 Rating, Add	1,795.74	
		For Class 56 Rating, Add	2,381.29	
40 05 19 00-0264	EA	16" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,510.70	897.81
		For Class 52 Rating, Deduct	-896.54	
		For Class 54 Rating, Add	1,238.88	
		For Class 55 Rating, Add	1,850.18	
		For Class 56 Rating, Add	2,453.34	
40 05 19 00-0265	EA	16" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,760.52	902.02
		For Class 52 Rating, Deduct	-923.32	
		For Class 54 Rating, Add	1,275.47	
		For Class 55 Rating, Add	1,904.62	
		For Class 56 Rating, Add	2,525.38	
40 05 19 00-0266	EA	16" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,010.34	906.24
		For Class 52 Rating, Deduct	-950.10	
		For Class 54 Rating, Add	1,312.07	
		For Class 55 Rating, Add	1,959.06	
		For Class 56 Rating, Add	2,597.42	
40 05 19 00-0267	EA	16" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,260.16	910.45
		For Class 52 Rating, Deduct	-976.88	
		For Class 54 Rating, Add	1,348.66	
		For Class 55 Rating, Add	2,013.50	
		For Class 56 Rating, Add	2,669.46	
40 05 19 00-0268	EA	16" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,509.99	914.67
		For Class 52 Rating, Deduct	-1,003.65	
		For Class 54 Rating, Add	1,385.25	
		For Class 55 Rating, Add	2,067.94	
		For Class 56 Rating, Add	2,741.51	
40 05 19 00-0269	EA	16" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,759.80	918.88
		For Class 52 Rating, Deduct	-1,030.43	
		For Class 54 Rating, Add	1,421.84	
		For Class 55 Rating, Add	2,122.38	
		For Class 56 Rating, Add	2,813.55	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-0270	EA 16" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,009.63	923.10
	For Class 52 Rating, Deduct	-1,057.21	
	For Class 54 Rating, Add	1,458.43	
	For Class 55 Rating, Add	2,176.82	
	For Class 56 Rating, Add	2,885.60	
40 05 19 00-0271	EA 16" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,259.45	927.31
	For Class 52 Rating, Deduct	-1,083.99	
	For Class 54 Rating, Add	1,495.02	
	For Class 55 Rating, Add	2,231.26	
	For Class 56 Rating, Add	2,957.64	
40 05 19 00-0272	EA 16" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,509.27	931.53
	For Class 52 Rating, Deduct	-1,110.77	
	For Class 54 Rating, Add	1,531.62	
	For Class 55 Rating, Add	2,285.70	
	For Class 56 Rating, Add	3,029.68	
40 05 19 00-0273	EA 16" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,759.09	935.74
	For Class 52 Rating, Deduct	-1,137.54	
	For Class 54 Rating, Add	1,568.21	
	For Class 55 Rating, Add	2,340.14	
	For Class 56 Rating, Add	3,101.72	
40 05 19 00-0274	EA 16" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,008.92	939.95
	For Class 52 Rating, Deduct	-1,164.32	
	For Class 54 Rating, Add	1,604.80	
	For Class 55 Rating, Add	2,394.58	
	For Class 56 Rating, Add	3,173.77	
40 05 19 00-0275	EA 16" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,258.73	944.17
	For Class 52 Rating, Deduct	-1,191.10	
	For Class 54 Rating, Add	1,641.39	
	For Class 55 Rating, Add	2,449.02	
	For Class 56 Rating, Add	3,245.81	
40 05 19 00-0276	EA 16" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,508.56	948.38
	For Class 52 Rating, Deduct	-1,217.88	
	For Class 54 Rating, Add	1,677.98	
	For Class 55 Rating, Add	2,503.46	
	For Class 56 Rating, Add	3,317.86	
40 05 19 00-0277	EA 16" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,758.38	952.60
	For Class 52 Rating, Deduct	-1,244.65	
	For Class 54 Rating, Add	1,714.58	
	For Class 55 Rating, Add	2,557.89	
	For Class 56 Rating, Add	3,389.90	
40 05 19 00-0278	EA 16" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,008.20	956.81
	For Class 52 Rating, Deduct	-1,271.43	
	For Class 54 Rating, Add	1,751.17	
	For Class 55 Rating, Add	2,612.33	
	For Class 56 Rating, Add	3,461.94	
40 05 19 00-0279	EA 16" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,258.02	961.03
	For Class 52 Rating, Deduct	-1,298.21	
	For Class 54 Rating, Add	1,787.76	
	For Class 55 Rating, Add	2,666.77	
	For Class 56 Rating, Add	3,533.98	
40 05 19 00-0280	EA 16" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,507.85	965.25
	For Class 52 Rating, Deduct	-1,324.99	
	For Class 54 Rating, Add	1,824.35	
	For Class 55 Rating, Add	2,721.21	
	For Class 56 Rating, Add	3,606.03	

40 05 19 00-0281 18" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe

(40 05 19 00-0002)

40 05 19 00-0282	EA 18" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,963.32	912.14
	For Class 52 Rating, Deduct	-393.94	
	For Class 54 Rating, Add	553.78	
	For Class 55 Rating, Add	831.80	
	For Class 56 Rating, Add	1,106.24	
40 05 19 00-0283	EA 18" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,250.60	916.35
	For Class 52 Rating, Deduct	-424.84	
	For Class 54 Rating, Add	595.99	
	For Class 55 Rating, Add	894.59	
	For Class 56 Rating, Add	1,189.33	
40 05 19 00-0284	EA 18" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,537.87	920.57
	For Class 52 Rating, Deduct	-455.74	
	For Class 54 Rating, Add	638.20	
	For Class 55 Rating, Add	957.38	
	For Class 56 Rating, Add	1,272.42	
40 05 19 00-0285	EA 18" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,825.14	924.78
	For Class 52 Rating, Deduct	-486.64	
	For Class 54 Rating, Add	680.41	
	For Class 55 Rating, Add	1,020.17	
	For Class 56 Rating, Add	1,355.51	
40 05 19 00-0286	EA 18" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,112.42	929.00
	For Class 52 Rating, Deduct	-517.53	
	For Class 54 Rating, Add	722.62	
	For Class 55 Rating, Add	1,082.96	
	For Class 56 Rating, Add	1,438.60	
40 05 19 00-0287	EA 18" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,399.69	933.21
	For Class 52 Rating, Deduct	-548.43	
	For Class 54 Rating, Add	764.83	
	For Class 55 Rating, Add	1,145.75	
	For Class 56 Rating, Add	1,521.69	

MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
40 05 19 00-0288	EA	18" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,686.96	937.43
		For Class 52 Rating, Deduct	-579.33	
		For Class 54 Rating, Add	807.04	
		For Class 55 Rating, Add	1,208.54	
		For Class 56 Rating, Add	1,604.79	
40 05 19 00-0289	EA	18" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,974.24	941.64
		For Class 52 Rating, Deduct	-610.23	
		For Class 54 Rating, Add	849.25	
		For Class 55 Rating, Add	1,271.34	
		For Class 56 Rating, Add	1,687.88	
40 05 19 00-0290	EA	18" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,261.51	945.85
		For Class 52 Rating, Deduct	-641.12	
		For Class 54 Rating, Add	891.46	
		For Class 55 Rating, Add	1,334.13	
		For Class 56 Rating, Add	1,770.97	
40 05 19 00-0291	EA	18" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,548.78	950.07
		For Class 52 Rating, Deduct	-672.02	
		For Class 54 Rating, Add	933.67	
		For Class 55 Rating, Add	1,396.92	
		For Class 56 Rating, Add	1,854.06	
40 05 19 00-0292	EA	18" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,836.06	954.28
		For Class 52 Rating, Deduct	-702.92	
		For Class 54 Rating, Add	975.88	
		For Class 55 Rating, Add	1,459.71	
		For Class 56 Rating, Add	1,937.15	
40 05 19 00-0293	EA	18" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,123.33	958.50
		For Class 52 Rating, Deduct	-733.82	
		For Class 54 Rating, Add	1,018.08	
		For Class 55 Rating, Add	1,522.50	
		For Class 56 Rating, Add	2,020.24	
40 05 19 00-0294	EA	18" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,410.60	962.71
		For Class 52 Rating, Deduct	-764.71	
		For Class 54 Rating, Add	1,060.29	
		For Class 55 Rating, Add	1,585.29	
		For Class 56 Rating, Add	2,103.33	
40 05 19 00-0295	EA	18" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,697.87	966.94
		For Class 52 Rating, Deduct	-795.61	
		For Class 54 Rating, Add	1,102.50	
		For Class 55 Rating, Add	1,648.08	
		For Class 56 Rating, Add	2,186.42	
40 05 19 00-0296	EA	18" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,985.15	971.15
		For Class 52 Rating, Deduct	-826.51	
		For Class 54 Rating, Add	1,144.71	
		For Class 55 Rating, Add	1,710.87	
		For Class 56 Rating, Add	2,269.52	
40 05 19 00-0297	EA	18" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,272.42	975.37
		For Class 52 Rating, Deduct	-857.41	
		For Class 54 Rating, Add	1,186.92	
		For Class 55 Rating, Add	1,773.66	
		For Class 56 Rating, Add	2,352.61	
40 05 19 00-0298	EA	18" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,559.69	979.58
		For Class 52 Rating, Deduct	-888.30	
		For Class 54 Rating, Add	1,229.13	
		For Class 55 Rating, Add	1,836.45	
		For Class 56 Rating, Add	2,435.70	
40 05 19 00-0299	EA	18" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,846.97	983.80
		For Class 52 Rating, Deduct	-919.20	
		For Class 54 Rating, Add	1,271.34	
		For Class 55 Rating, Add	1,899.24	
		For Class 56 Rating, Add	2,518.79	
40 05 19 00-0300	EA	18" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,134.24	988.01
		For Class 52 Rating, Deduct	-950.10	
		For Class 54 Rating, Add	1,313.55	
		For Class 55 Rating, Add	1,962.04	
		For Class 56 Rating, Add	2,601.88	
40 05 19 00-0301	EA	18" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,421.51	992.23
		For Class 52 Rating, Deduct	-981.00	
		For Class 54 Rating, Add	1,355.76	
		For Class 55 Rating, Add	2,024.83	
		For Class 56 Rating, Add	2,684.97	
40 05 19 00-0302	EA	18" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,708.79	996.44
		For Class 52 Rating, Deduct	-1,011.89	
		For Class 54 Rating, Add	1,397.97	
		For Class 55 Rating, Add	2,087.62	
		For Class 56 Rating, Add	2,768.07	
40 05 19 00-0303	EA	18" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,996.06	1,000.65
		For Class 52 Rating, Deduct	-1,042.79	
		For Class 54 Rating, Add	1,440.18	
		For Class 55 Rating, Add	2,150.41	
		For Class 56 Rating, Add	2,851.16	
40 05 19 00-0304	EA	18" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,283.33	1,004.87
		For Class 52 Rating, Deduct	-1,073.69	
		For Class 54 Rating, Add	1,482.39	
		For Class 55 Rating, Add	2,213.20	
		For Class 56 Rating, Add	2,934.25	
40 05 19 00-0305	EA	18" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,570.61	1,009.08
		For Class 52 Rating, Deduct	-1,104.59	
		For Class 54 Rating, Add	1,524.60	
		For Class 55 Rating, Add	2,275.99	
		For Class 56 Rating, Add	3,017.34	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-0306	EA 18" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,857.88	1,013.30
	For Class 52 Rating, Deduct	-1,135.48	
	For Class 54 Rating, Add	1,566.81	
	For Class 55 Rating, Add	2,338.78	
	For Class 56 Rating, Add	3,100.43	
40 05 19 00-0307	EA 18" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,145.15	1,017.51
	For Class 52 Rating, Deduct	-1,166.38	
	For Class 54 Rating, Add	1,609.02	
	For Class 55 Rating, Add	2,401.57	
	For Class 56 Rating, Add	3,183.52	
40 05 19 00-0308	EA 18" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,432.43	1,021.73
	For Class 52 Rating, Deduct	-1,197.28	
	For Class 54 Rating, Add	1,651.23	
	For Class 55 Rating, Add	2,464.36	
	For Class 56 Rating, Add	3,266.61	
40 05 19 00-0309	EA 18" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,719.69	1,025.94
	For Class 52 Rating, Deduct	-1,228.18	
	For Class 54 Rating, Add	1,693.44	
	For Class 55 Rating, Add	2,527.15	
	For Class 56 Rating, Add	3,349.70	
40 05 19 00-0310	EA 18" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,006.97	1,030.16
	For Class 52 Rating, Deduct	-1,259.07	
	For Class 54 Rating, Add	1,735.65	
	For Class 55 Rating, Add	2,589.95	
	For Class 56 Rating, Add	3,432.80	
40 05 19 00-0311	EA 18" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,294.25	1,034.37
	For Class 52 Rating, Deduct	-1,289.97	
	For Class 54 Rating, Add	1,777.86	
	For Class 55 Rating, Add	2,652.74	
	For Class 56 Rating, Add	3,515.89	
40 05 19 00-0312	EA 18" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,581.51	1,038.59
	For Class 52 Rating, Deduct	-1,320.87	
	For Class 54 Rating, Add	1,820.07	
	For Class 55 Rating, Add	2,715.53	
	For Class 56 Rating, Add	3,598.98	
40 05 19 00-0313	EA 18" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,868.78	1,042.80
	For Class 52 Rating, Deduct	-1,351.77	
	For Class 54 Rating, Add	1,862.28	
	For Class 55 Rating, Add	2,778.32	
	For Class 56 Rating, Add	3,682.07	
40 05 19 00-0314	EA 18" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,156.06	1,047.02
	For Class 52 Rating, Deduct	-1,382.66	
	For Class 54 Rating, Add	1,904.49	
	For Class 55 Rating, Add	2,841.11	
	For Class 56 Rating, Add	3,765.16	
40 05 19 00-0315	EA 18" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,443.33	1,051.23
	For Class 52 Rating, Deduct	-1,413.56	
	For Class 54 Rating, Add	1,946.70	
	For Class 55 Rating, Add	2,903.90	
	For Class 56 Rating, Add	3,848.25	
40 05 19 00-0316	EA 18" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,730.60	1,055.45
	For Class 52 Rating, Deduct	-1,444.46	
	For Class 54 Rating, Add	1,988.91	
	For Class 55 Rating, Add	2,966.69	
	For Class 56 Rating, Add	3,931.34	
40 05 19 00-0317	EA 18" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,017.88	1,059.67
	For Class 52 Rating, Deduct	-1,475.36	
	For Class 54 Rating, Add	2,031.12	
	For Class 55 Rating, Add	3,029.48	
	For Class 56 Rating, Add	4,014.44	
40 05 19 00-0318	EA 18" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,305.15	1,063.88
	For Class 52 Rating, Deduct	-1,506.25	
	For Class 54 Rating, Add	2,073.32	
	For Class 55 Rating, Add	3,092.27	
	For Class 56 Rating, Add	4,097.53	
40 05 19 00-0319	EA 18" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,592.42	1,068.10
	For Class 52 Rating, Deduct	-1,537.15	
	For Class 54 Rating, Add	2,115.53	
	For Class 55 Rating, Add	3,155.06	
	For Class 56 Rating, Add	4,180.62	

40 05 19 00-0320 20" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe

(40 05 19 00-0002)

40 05 19 00-0321	EA 20" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,811.81	1,041.11
	For Class 52 Rating, Deduct	-465.78	
	For Class 54 Rating, Add	654.08	
	For Class 55 Rating, Add	982.12	
	For Class 56 Rating, Add	1,305.92	
40 05 19 00-0322	EA 20" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,141.22	1,045.33
	For Class 52 Rating, Deduct	-501.31	
	For Class 54 Rating, Add	702.61	
	For Class 55 Rating, Add	1,054.31	
	For Class 56 Rating, Add	1,401.45	
40 05 19 00-0323	EA 20" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,470.62	1,049.54
	For Class 52 Rating, Deduct	-536.84	
	For Class 54 Rating, Add	751.14	
	For Class 55 Rating, Add	1,126.49	
	For Class 56 Rating, Add	1,496.97	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0324	EA	20"	Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,800.03	1,053.76
			For Class 52 Rating, Deduct	-572.38	
			For Class 54 Rating, Add	799.67	
			For Class 55 Rating, Add	1,198.68	
			For Class 56 Rating, Add	1,592.49	
40 05 19 00-0325	EA	20"	Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,129.44	1,057.98
			For Class 52 Rating, Deduct	-607.91	
			For Class 54 Rating, Add	848.20	
			For Class 55 Rating, Add	1,270.87	
			For Class 56 Rating, Add	1,688.01	
40 05 19 00-0326	EA	20"	Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,458.84	1,062.20
			For Class 52 Rating, Deduct	-643.44	
			For Class 54 Rating, Add	896.73	
			For Class 55 Rating, Add	1,343.05	
			For Class 56 Rating, Add	1,783.53	
40 05 19 00-0327	EA	20"	Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,788.25	1,066.41
			For Class 52 Rating, Deduct	-678.97	
			For Class 54 Rating, Add	945.26	
			For Class 55 Rating, Add	1,415.24	
			For Class 56 Rating, Add	1,879.05	
40 05 19 00-0328	EA	20"	Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,117.66	1,070.63
			For Class 52 Rating, Deduct	-714.51	
			For Class 54 Rating, Add	993.79	
			For Class 55 Rating, Add	1,487.43	
			For Class 56 Rating, Add	1,974.57	
40 05 19 00-0329	EA	20"	Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,447.06	1,074.84
			For Class 52 Rating, Deduct	-750.04	
			For Class 54 Rating, Add	1,042.32	
			For Class 55 Rating, Add	1,559.61	
			For Class 56 Rating, Add	2,070.09	
40 05 19 00-0330	EA	20"	Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,776.47	1,079.06
			For Class 52 Rating, Deduct	-785.57	
			For Class 54 Rating, Add	1,090.85	
			For Class 55 Rating, Add	1,631.80	
			For Class 56 Rating, Add	2,165.61	
40 05 19 00-0331	EA	20"	Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,105.88	1,083.27
			For Class 52 Rating, Deduct	-821.10	
			For Class 54 Rating, Add	1,139.38	
			For Class 55 Rating, Add	1,703.99	
			For Class 56 Rating, Add	2,261.13	
40 05 19 00-0332	EA	20"	Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,435.28	1,087.49
			For Class 52 Rating, Deduct	-856.63	
			For Class 54 Rating, Add	1,187.91	
			For Class 55 Rating, Add	1,776.18	
			For Class 56 Rating, Add	2,356.65	
40 05 19 00-0333	EA	20"	Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,764.68	1,091.70
			For Class 52 Rating, Deduct	-892.16	
			For Class 54 Rating, Add	1,236.44	
			For Class 55 Rating, Add	1,848.36	
			For Class 56 Rating, Add	2,452.17	
40 05 19 00-0334	EA	20"	Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,094.09	1,095.91
			For Class 52 Rating, Deduct	-927.70	
			For Class 54 Rating, Add	1,284.97	
			For Class 55 Rating, Add	1,920.55	
			For Class 56 Rating, Add	2,547.69	
40 05 19 00-0335	EA	20"	Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,423.49	1,100.13
			For Class 52 Rating, Deduct	-963.23	
			For Class 54 Rating, Add	1,333.50	
			For Class 55 Rating, Add	1,992.73	
			For Class 56 Rating, Add	2,643.21	
40 05 19 00-0336	EA	20"	Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,752.90	1,104.34
			For Class 52 Rating, Deduct	-998.76	
			For Class 54 Rating, Add	1,382.03	
			For Class 55 Rating, Add	2,064.92	
			For Class 56 Rating, Add	2,738.73	
40 05 19 00-0337	EA	20"	Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,082.31	1,108.56
			For Class 52 Rating, Deduct	-1,034.29	
			For Class 54 Rating, Add	1,430.56	
			For Class 55 Rating, Add	2,137.11	
			For Class 56 Rating, Add	2,834.25	
40 05 19 00-0338	EA	20"	Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,411.71	1,112.77
			For Class 52 Rating, Deduct	-1,069.83	
			For Class 54 Rating, Add	1,479.09	
			For Class 55 Rating, Add	2,209.29	
			For Class 56 Rating, Add	2,929.78	
40 05 19 00-0339	EA	20"	Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,741.12	1,116.99
			For Class 52 Rating, Deduct	-1,105.36	
			For Class 54 Rating, Add	1,527.62	
			For Class 55 Rating, Add	2,281.48	
			For Class 56 Rating, Add	3,025.30	
40 05 19 00-0340	EA	20"	Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,070.53	1,121.20
			For Class 52 Rating, Deduct	-1,140.89	
			For Class 54 Rating, Add	1,576.15	
			For Class 55 Rating, Add	2,353.67	
			For Class 56 Rating, Add	3,120.82	
40 05 19 00-0341	EA	20"	Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,399.93	1,125.42
			For Class 52 Rating, Deduct	-1,176.42	
			For Class 54 Rating, Add	1,624.67	
			For Class 55 Rating, Add	2,425.85	
			For Class 56 Rating, Add	3,216.34	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-0342	EA 20" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,729.34	1,129.63
	For Class 52 Rating, Deduct	-1,211.95	
	For Class 54 Rating, Add	1,673.20	
	For Class 55 Rating, Add	2,498.04	
	For Class 56 Rating, Add	3,311.86	
40 05 19 00-0343	EA 20" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,058.75	1,133.85
	For Class 52 Rating, Deduct	-1,247.49	
	For Class 54 Rating, Add	1,721.73	
	For Class 55 Rating, Add	2,570.23	
	For Class 56 Rating, Add	3,407.38	
40 05 19 00-0344	EA 20" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,388.15	1,138.06
	For Class 52 Rating, Deduct	-1,283.02	
	For Class 54 Rating, Add	1,770.26	
	For Class 55 Rating, Add	2,642.41	
	For Class 56 Rating, Add	3,502.90	
40 05 19 00-0345	EA 20" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,717.56	1,142.28
	For Class 52 Rating, Deduct	-1,318.55	
	For Class 54 Rating, Add	1,818.79	
	For Class 55 Rating, Add	2,714.60	
	For Class 56 Rating, Add	3,598.42	
40 05 19 00-0346	EA 20" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,046.97	1,146.49
	For Class 52 Rating, Deduct	-1,354.08	
	For Class 54 Rating, Add	1,867.32	
	For Class 55 Rating, Add	2,786.79	
	For Class 56 Rating, Add	3,693.94	
40 05 19 00-0347	EA 20" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,376.36	1,150.71
	For Class 52 Rating, Deduct	-1,389.62	
	For Class 54 Rating, Add	1,915.85	
	For Class 55 Rating, Add	2,858.97	
	For Class 56 Rating, Add	3,789.46	
40 05 19 00-0348	EA 20" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,705.77	1,154.93
	For Class 52 Rating, Deduct	-1,425.15	
	For Class 54 Rating, Add	1,964.38	
	For Class 55 Rating, Add	2,931.16	
	For Class 56 Rating, Add	3,884.98	
40 05 19 00-0349	EA 20" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,035.17	1,159.14
	For Class 52 Rating, Deduct	-1,460.68	
	For Class 54 Rating, Add	2,012.91	
	For Class 55 Rating, Add	3,003.35	
	For Class 56 Rating, Add	3,980.50	
40 05 19 00-0350	EA 20" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,364.57	1,163.36
	For Class 52 Rating, Deduct	-1,496.21	
	For Class 54 Rating, Add	2,061.44	
	For Class 55 Rating, Add	3,075.53	
	For Class 56 Rating, Add	4,076.02	
40 05 19 00-0351	EA 20" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,693.98	1,167.57
	For Class 52 Rating, Deduct	-1,531.74	
	For Class 54 Rating, Add	2,109.97	
	For Class 55 Rating, Add	3,147.72	
	For Class 56 Rating, Add	4,171.54	
40 05 19 00-0352	EA 20" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,023.39	1,171.79
	For Class 52 Rating, Deduct	-1,567.28	
	For Class 54 Rating, Add	2,158.50	
	For Class 55 Rating, Add	3,219.91	
	For Class 56 Rating, Add	4,267.06	
40 05 19 00-0353	EA 20" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,352.80	1,176.00
	For Class 52 Rating, Deduct	-1,602.81	
	For Class 54 Rating, Add	2,207.03	
	For Class 55 Rating, Add	3,292.09	
	For Class 56 Rating, Add	4,362.58	
40 05 19 00-0354	EA 20" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,682.20	1,180.22
	For Class 52 Rating, Deduct	-1,638.34	
	For Class 54 Rating, Add	2,255.56	
	For Class 55 Rating, Add	3,364.28	
	For Class 56 Rating, Add	4,458.11	
40 05 19 00-0355	EA 20" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,011.61	1,184.43
	For Class 52 Rating, Deduct	-1,673.87	
	For Class 54 Rating, Add	2,304.09	
	For Class 55 Rating, Add	3,436.47	
	For Class 56 Rating, Add	4,553.63	
40 05 19 00-0356	EA 20" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,341.02	1,188.65
	For Class 52 Rating, Deduct	-1,709.40	
	For Class 54 Rating, Add	2,352.62	
	For Class 55 Rating, Add	3,508.65	
	For Class 56 Rating, Add	4,649.15	
40 05 19 00-0357	EA 20" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,670.42	1,192.86
	For Class 52 Rating, Deduct	-1,744.94	
	For Class 54 Rating, Add	2,401.15	
	For Class 55 Rating, Add	3,580.84	
	For Class 56 Rating, Add	4,744.67	
40 05 19 00-0358	EA 20" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,999.83	1,197.07
	For Class 52 Rating, Deduct	-1,780.47	
	For Class 54 Rating, Add	2,449.68	
	For Class 55 Rating, Add	3,653.03	
	For Class 56 Rating, Add	4,840.19	

 40 05 19 00-0359 24" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat,
 Ductile Iron Pipe (40 05 19 00-0002)

MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
40 05 19 00-0360	EA	24" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,150.19	1,230.79
		For Class 52 Rating, Deduct	-581.39	
		For Class 54 Rating, Add	815.18	
		For Class 55 Rating, Add	1,223.39	
		For Class 56 Rating, Add	1,626.31	
40 05 19 00-0361	EA	24" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,556.84	1,235.01
		For Class 52 Rating, Deduct	-625.42	
		For Class 54 Rating, Add	875.30	
		For Class 55 Rating, Add	1,312.80	
		For Class 56 Rating, Add	1,744.62	
40 05 19 00-0362	EA	24" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,963.49	1,239.23
		For Class 52 Rating, Deduct	-669.45	
		For Class 54 Rating, Add	935.41	
		For Class 55 Rating, Add	1,402.21	
		For Class 56 Rating, Add	1,862.93	
40 05 19 00-0363	EA	24" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,370.14	1,243.45
		For Class 52 Rating, Deduct	-713.48	
		For Class 54 Rating, Add	995.53	
		For Class 55 Rating, Add	1,491.63	
		For Class 56 Rating, Add	1,981.24	
40 05 19 00-0364	EA	24" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,776.79	1,247.66
		For Class 52 Rating, Deduct	-757.50	
		For Class 54 Rating, Add	1,055.64	
		For Class 55 Rating, Add	1,581.04	
		For Class 56 Rating, Add	2,099.54	
40 05 19 00-0365	EA	24" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,183.44	1,251.87
		For Class 52 Rating, Deduct	-801.53	
		For Class 54 Rating, Add	1,115.76	
		For Class 55 Rating, Add	1,670.45	
		For Class 56 Rating, Add	2,217.85	
40 05 19 00-0366	EA	24" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,590.08	1,256.09
		For Class 52 Rating, Deduct	-845.56	
		For Class 54 Rating, Add	1,175.88	
		For Class 55 Rating, Add	1,759.86	
		For Class 56 Rating, Add	2,336.16	
40 05 19 00-0367	EA	24" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,996.74	1,260.30
		For Class 52 Rating, Deduct	-889.59	
		For Class 54 Rating, Add	1,235.99	
		For Class 55 Rating, Add	1,849.27	
		For Class 56 Rating, Add	2,454.46	
40 05 19 00-0368	EA	24" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,403.39	1,264.52
		For Class 52 Rating, Deduct	-933.62	
		For Class 54 Rating, Add	1,296.11	
		For Class 55 Rating, Add	1,938.68	
		For Class 56 Rating, Add	2,572.77	
40 05 19 00-0369	EA	24" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,810.03	1,268.73
		For Class 52 Rating, Deduct	-977.65	
		For Class 54 Rating, Add	1,356.22	
		For Class 55 Rating, Add	2,028.10	
		For Class 56 Rating, Add	2,691.08	
40 05 19 00-0370	EA	24" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,216.69	1,272.95
		For Class 52 Rating, Deduct	-1,021.68	
		For Class 54 Rating, Add	1,416.34	
		For Class 55 Rating, Add	2,117.51	
		For Class 56 Rating, Add	2,809.39	
40 05 19 00-0371	EA	24" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,623.34	1,277.16
		For Class 52 Rating, Deduct	-1,065.71	
		For Class 54 Rating, Add	1,476.46	
		For Class 55 Rating, Add	2,206.92	
		For Class 56 Rating, Add	2,927.69	
40 05 19 00-0372	EA	24" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,029.98	1,281.38
		For Class 52 Rating, Deduct	-1,109.74	
		For Class 54 Rating, Add	1,536.57	
		For Class 55 Rating, Add	2,296.33	
		For Class 56 Rating, Add	3,046.00	
40 05 19 00-0373	EA	24" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,436.63	1,285.59
		For Class 52 Rating, Deduct	-1,153.76	
		For Class 54 Rating, Add	1,596.69	
		For Class 55 Rating, Add	2,385.74	
		For Class 56 Rating, Add	3,164.31	
40 05 19 00-0374	EA	24" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,843.28	1,289.81
		For Class 52 Rating, Deduct	-1,197.79	
		For Class 54 Rating, Add	1,656.81	
		For Class 55 Rating, Add	2,475.16	
		For Class 56 Rating, Add	3,282.62	
40 05 19 00-0375	EA	24" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,249.92	1,294.02
		For Class 52 Rating, Deduct	-1,241.82	
		For Class 54 Rating, Add	1,716.92	
		For Class 55 Rating, Add	2,564.57	
		For Class 56 Rating, Add	3,400.92	
40 05 19 00-0376	EA	24" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,656.58	1,298.23
		For Class 52 Rating, Deduct	-1,285.85	
		For Class 54 Rating, Add	1,777.04	
		For Class 55 Rating, Add	2,653.98	
		For Class 56 Rating, Add	3,519.23	
40 05 19 00-0377	EA	24" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,063.23	1,302.45
		For Class 52 Rating, Deduct	-1,329.88	
		For Class 54 Rating, Add	1,837.15	
		For Class 55 Rating, Add	2,743.39	
		For Class 56 Rating, Add	3,637.54	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-0378	EA 24" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,469.87	1,306.66
	For Class 52 Rating, Deduct	-1,373.91	
	For Class 54 Rating, Add	1,897.27	
	For Class 55 Rating, Add	2,832.80	
	For Class 56 Rating, Add	3,755.85	
40 05 19 00-0379	EA 24" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,876.52	1,310.88
	For Class 52 Rating, Deduct	-1,417.94	
	For Class 54 Rating, Add	1,957.39	
	For Class 55 Rating, Add	2,922.21	
	For Class 56 Rating, Add	3,874.15	
40 05 19 00-0380	EA 24" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,283.18	1,315.09
	For Class 52 Rating, Deduct	-1,461.97	
	For Class 54 Rating, Add	2,017.50	
	For Class 55 Rating, Add	3,011.63	
	For Class 56 Rating, Add	3,992.46	
40 05 19 00-0381	EA 24" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,689.83	1,319.31
	For Class 52 Rating, Deduct	-1,506.00	
	For Class 54 Rating, Add	2,077.62	
	For Class 55 Rating, Add	3,101.04	
	For Class 56 Rating, Add	4,110.77	
40 05 19 00-0382	EA 24" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,096.47	1,323.52
	For Class 52 Rating, Deduct	-1,550.02	
	For Class 54 Rating, Add	2,137.73	
	For Class 55 Rating, Add	3,190.45	
	For Class 56 Rating, Add	4,229.08	
40 05 19 00-0383	EA 24" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,503.13	1,327.74
	For Class 52 Rating, Deduct	-1,594.05	
	For Class 54 Rating, Add	2,197.85	
	For Class 55 Rating, Add	3,279.86	
	For Class 56 Rating, Add	4,347.39	
40 05 19 00-0384	EA 24" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,909.78	1,331.96
	For Class 52 Rating, Deduct	-1,638.08	
	For Class 54 Rating, Add	2,257.97	
	For Class 55 Rating, Add	3,369.28	
	For Class 56 Rating, Add	4,465.69	
40 05 19 00-0385	EA 24" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,316.42	1,336.18
	For Class 52 Rating, Deduct	-1,682.11	
	For Class 54 Rating, Add	2,318.08	
	For Class 55 Rating, Add	3,458.69	
	For Class 56 Rating, Add	4,584.00	
40 05 19 00-0386	EA 24" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,723.08	1,340.39
	For Class 52 Rating, Deduct	-1,726.14	
	For Class 54 Rating, Add	2,378.20	
	For Class 55 Rating, Add	3,548.10	
	For Class 56 Rating, Add	4,702.31	
40 05 19 00-0387	EA 24" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,129.73	1,344.61
	For Class 52 Rating, Deduct	-1,770.17	
	For Class 54 Rating, Add	2,438.31	
	For Class 55 Rating, Add	3,637.51	
	For Class 56 Rating, Add	4,820.61	
40 05 19 00-0388	EA 24" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,536.37	1,348.82
	For Class 52 Rating, Deduct	-1,814.20	
	For Class 54 Rating, Add	2,498.43	
	For Class 55 Rating, Add	3,726.92	
	For Class 56 Rating, Add	4,938.92	
40 05 19 00-0389	EA 24" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,051.59	1,424.69
	For Class 52 Rating, Deduct	-1,858.23	
	For Class 54 Rating, Add	2,559.85	
	For Class 55 Rating, Add	3,818.94	
	For Class 56 Rating, Add	5,061.14	
40 05 19 00-0390	EA 24" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,458.24	1,428.91
	For Class 52 Rating, Deduct	-1,902.26	
	For Class 54 Rating, Add	2,619.97	
	For Class 55 Rating, Add	3,908.35	
	For Class 56 Rating, Add	5,179.45	
40 05 19 00-0391	EA 24" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,864.89	1,433.12
	For Class 52 Rating, Deduct	-1,946.29	
	For Class 54 Rating, Add	2,680.08	
	For Class 55 Rating, Add	3,997.76	
	For Class 56 Rating, Add	5,297.75	
40 05 19 00-0392	EA 24" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,271.54	1,437.34
	For Class 52 Rating, Deduct	-1,990.31	
	For Class 54 Rating, Add	2,740.20	
	For Class 55 Rating, Add	4,087.18	
	For Class 56 Rating, Add	5,416.06	
40 05 19 00-0393	EA 24" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,678.19	1,441.55
	For Class 52 Rating, Deduct	-2,034.34	
	For Class 54 Rating, Add	2,800.31	
	For Class 55 Rating, Add	4,176.59	
	For Class 56 Rating, Add	5,534.37	
40 05 19 00-0394	EA 24" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,084.84	1,445.77
	For Class 52 Rating, Deduct	-2,078.37	
	For Class 54 Rating, Add	2,860.43	
	For Class 55 Rating, Add	4,266.00	
	For Class 56 Rating, Add	5,652.68	
40 05 19 00-0395	EA 24" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,491.49	1,449.98
	For Class 52 Rating, Deduct	-2,122.40	
	For Class 54 Rating, Add	2,920.55	
	For Class 55 Rating, Add	4,355.41	
	For Class 56 Rating, Add	5,770.98	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0396	EA	24" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,898.14	1,454.19
		For Class 52 Rating, Deduct	-2,166.43	
		For Class 54 Rating, Add	2,980.66	
		For Class 55 Rating, Add	4,444.82	
		For Class 56 Rating, Add	5,889.29	
40 05 19 00-0397	EA	24" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,304.79	1,458.41
		For Class 52 Rating, Deduct	-2,210.46	
		For Class 54 Rating, Add	3,040.78	
		For Class 55 Rating, Add	4,534.24	
		For Class 56 Rating, Add	6,007.60	
40 05 19 00-0398 30" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0002)				
40 05 19 00-0399	EA	30" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,034.39	1,736.60
		For Class 52 Rating, Deduct	-924.35	
		For Class 54 Rating, Add	1,292.05	
		For Class 55 Rating, Add	1,937.06	
		For Class 56 Rating, Add	2,573.66	
40 05 19 00-0400	EA	30" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,618.94	1,740.82
		For Class 52 Rating, Deduct	-987.95	
		For Class 54 Rating, Add	1,378.85	
		For Class 55 Rating, Add	2,066.14	
		For Class 56 Rating, Add	2,744.45	
40 05 19 00-0401	EA	30" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,203.49	1,745.03
		For Class 52 Rating, Deduct	-1,051.55	
		For Class 54 Rating, Add	1,465.65	
		For Class 55 Rating, Add	2,195.22	
		For Class 56 Rating, Add	2,915.24	
40 05 19 00-0402	EA	30" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,788.03	1,749.25
		For Class 52 Rating, Deduct	-1,115.14	
		For Class 54 Rating, Add	1,552.45	
		For Class 55 Rating, Add	2,324.31	
		For Class 56 Rating, Add	3,086.02	
40 05 19 00-0403	EA	30" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,372.58	1,753.46
		For Class 52 Rating, Deduct	-1,178.74	
		For Class 54 Rating, Add	1,639.25	
		For Class 55 Rating, Add	2,453.39	
		For Class 56 Rating, Add	3,256.81	
40 05 19 00-0404	EA	30" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,957.12	1,757.68
		For Class 52 Rating, Deduct	-1,242.34	
		For Class 54 Rating, Add	1,726.05	
		For Class 55 Rating, Add	2,582.47	
		For Class 56 Rating, Add	3,427.59	
40 05 19 00-0405	EA	30" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,541.66	1,761.89
		For Class 52 Rating, Deduct	-1,305.93	
		For Class 54 Rating, Add	1,812.85	
		For Class 55 Rating, Add	2,711.55	
		For Class 56 Rating, Add	3,598.38	
40 05 19 00-0406	EA	30" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,126.21	1,766.10
		For Class 52 Rating, Deduct	-1,369.53	
		For Class 54 Rating, Add	1,899.65	
		For Class 55 Rating, Add	2,840.64	
		For Class 56 Rating, Add	3,769.17	
40 05 19 00-0407	EA	30" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,710.76	1,770.32
		For Class 52 Rating, Deduct	-1,433.13	
		For Class 54 Rating, Add	1,986.46	
		For Class 55 Rating, Add	2,969.72	
		For Class 56 Rating, Add	3,939.96	
40 05 19 00-0408	EA	30" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,295.30	1,774.53
		For Class 52 Rating, Deduct	-1,496.73	
		For Class 54 Rating, Add	2,073.26	
		For Class 55 Rating, Add	3,098.80	
		For Class 56 Rating, Add	4,110.74	
40 05 19 00-0409	EA	30" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,879.84	1,778.75
		For Class 52 Rating, Deduct	-1,560.32	
		For Class 54 Rating, Add	2,160.05	
		For Class 55 Rating, Add	3,227.88	
		For Class 56 Rating, Add	4,281.53	
40 05 19 00-0410	EA	30" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,464.39	1,782.96
		For Class 52 Rating, Deduct	-1,623.92	
		For Class 54 Rating, Add	2,246.86	
		For Class 55 Rating, Add	3,356.97	
		For Class 56 Rating, Add	4,452.31	
40 05 19 00-0411	EA	30" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,048.93	1,787.18
		For Class 52 Rating, Deduct	-1,687.52	
		For Class 54 Rating, Add	2,333.66	
		For Class 55 Rating, Add	3,486.05	
		For Class 56 Rating, Add	4,623.10	
40 05 19 00-0412	EA	30" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,633.48	1,791.40
		For Class 52 Rating, Deduct	-1,751.12	
		For Class 54 Rating, Add	2,420.46	
		For Class 55 Rating, Add	3,615.13	
		For Class 56 Rating, Add	4,793.89	
40 05 19 00-0413	EA	30" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,218.02	1,795.62
		For Class 52 Rating, Deduct	-1,814.71	
		For Class 54 Rating, Add	2,507.26	
		For Class 55 Rating, Add	3,744.21	
		For Class 56 Rating, Add	4,964.67	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-0414	EA	30" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,802.57	1,799.83
		For Class 52 Rating, Deduct	-1,878.31	
		For Class 54 Rating, Add	2,594.06	
		For Class 55 Rating, Add	3,873.30	
		For Class 56 Rating, Add	5,135.46	
40 05 19 00-0415	EA	30" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,387.11	1,804.05
		For Class 52 Rating, Deduct	-1,941.91	
		For Class 54 Rating, Add	2,680.86	
		For Class 55 Rating, Add	4,002.38	
		For Class 56 Rating, Add	5,306.25	
40 05 19 00-0416	EA	30" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,971.66	1,808.26
		For Class 52 Rating, Deduct	-2,005.51	
		For Class 54 Rating, Add	2,767.66	
		For Class 55 Rating, Add	4,131.46	
		For Class 56 Rating, Add	5,477.03	
40 05 19 00-0417	EA	30" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,556.21	1,812.48
		For Class 52 Rating, Deduct	-2,069.10	
		For Class 54 Rating, Add	2,854.46	
		For Class 55 Rating, Add	4,260.55	
		For Class 56 Rating, Add	5,647.82	
40 05 19 00-0418	EA	30" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,140.74	1,816.69
		For Class 52 Rating, Deduct	-2,132.70	
		For Class 54 Rating, Add	2,941.26	
		For Class 55 Rating, Add	4,389.63	
		For Class 56 Rating, Add	5,818.61	
40 05 19 00-0419	EA	30" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,725.29	1,820.90
		For Class 52 Rating, Deduct	-2,196.30	
		For Class 54 Rating, Add	3,028.06	
		For Class 55 Rating, Add	4,518.71	
		For Class 56 Rating, Add	5,989.39	
40 05 19 00-0420	EA	30" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,309.83	1,825.12
		For Class 52 Rating, Deduct	-2,259.90	
		For Class 54 Rating, Add	3,114.86	
		For Class 55 Rating, Add	4,647.79	
		For Class 56 Rating, Add	6,160.18	
40 05 19 00-0421	EA	30" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,894.37	1,829.33
		For Class 52 Rating, Deduct	-2,323.49	
		For Class 54 Rating, Add	3,201.66	
		For Class 55 Rating, Add	4,776.87	
		For Class 56 Rating, Add	6,330.97	
40 05 19 00-0422	EA	30" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,478.92	1,833.55
		For Class 52 Rating, Deduct	-2,387.09	
		For Class 54 Rating, Add	3,288.46	
		For Class 55 Rating, Add	4,905.96	
		For Class 56 Rating, Add	6,501.75	
40 05 19 00-0423	EA	30" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,061.12	1,837.76
		For Class 52 Rating, Deduct	-2,450.43	
		For Class 54 Rating, Add	3,374.91	
		For Class 55 Rating, Add	5,034.52	
		For Class 56 Rating, Add	6,671.85	
40 05 19 00-0424	EA	30" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,648.00	1,841.98
		For Class 52 Rating, Deduct	-2,514.28	
		For Class 54 Rating, Add	3,462.06	
		For Class 55 Rating, Add	5,164.12	
		For Class 56 Rating, Add	6,843.32	
40 05 19 00-0425	EA	30" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,232.55	1,846.19
		For Class 52 Rating, Deduct	-2,577.88	
		For Class 54 Rating, Add	3,548.86	
		For Class 55 Rating, Add	5,293.20	
		For Class 56 Rating, Add	7,014.11	
40 05 19 00-0426	EA	30" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,817.10	1,850.41
		For Class 52 Rating, Deduct	-2,641.48	
		For Class 54 Rating, Add	3,635.66	
		For Class 55 Rating, Add	5,422.29	
		For Class 56 Rating, Add	7,184.90	
40 05 19 00-0427	EA	30" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,401.63	1,854.62
		For Class 52 Rating, Deduct	-2,705.08	
		For Class 54 Rating, Add	3,722.46	
		For Class 55 Rating, Add	5,551.37	
		For Class 56 Rating, Add	7,355.68	
40 05 19 00-0428	EA	30" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,986.18	1,858.84
		For Class 52 Rating, Deduct	-2,768.67	
		For Class 54 Rating, Add	3,809.26	
		For Class 55 Rating, Add	5,680.45	
		For Class 56 Rating, Add	7,526.47	
40 05 19 00-0429	EA	30" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,570.73	1,863.05
		For Class 52 Rating, Deduct	-2,832.27	
		For Class 54 Rating, Add	3,896.06	
		For Class 55 Rating, Add	5,809.53	
		For Class 56 Rating, Add	7,697.26	
40 05 19 00-0430	EA	30" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,155.27	1,867.27
		For Class 52 Rating, Deduct	-2,895.87	
		For Class 54 Rating, Add	3,982.86	
		For Class 55 Rating, Add	5,938.62	
		For Class 56 Rating, Add	7,868.04	
40 05 19 00-0431	EA	30" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,739.82	1,871.48
		For Class 52 Rating, Deduct	-2,959.47	
		For Class 54 Rating, Add	4,069.66	
		For Class 55 Rating, Add	6,067.70	
		For Class 56 Rating, Add	8,038.83	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0432	EA	30" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,324.36	1,875.69
		For Class 52 Rating, Deduct	-3,023.06	
		For Class 54 Rating, Add	4,156.46	
		For Class 55 Rating, Add	6,196.78	
		For Class 56 Rating, Add	8,209.62	
40 05 19 00-0433	EA	30" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,908.90	1,879.91
		For Class 52 Rating, Deduct	-3,086.66	
		For Class 54 Rating, Add	4,243.26	
		For Class 55 Rating, Add	6,325.86	
		For Class 56 Rating, Add	8,380.40	
40 05 19 00-0434	EA	30" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,493.45	1,884.13
		For Class 52 Rating, Deduct	-3,150.26	
		For Class 54 Rating, Add	4,330.06	
		For Class 55 Rating, Add	6,454.95	
		For Class 56 Rating, Add	8,551.19	
40 05 19 00-0435	EA	30" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,078.00	1,888.35
		For Class 52 Rating, Deduct	-3,213.86	
		For Class 54 Rating, Add	4,416.86	
		For Class 55 Rating, Add	6,584.03	
		For Class 56 Rating, Add	8,721.98	
40 05 19 00-0436	EA	30" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,662.53	1,892.56
		For Class 52 Rating, Deduct	-3,277.45	
		For Class 54 Rating, Add	4,503.66	
		For Class 55 Rating, Add	6,713.11	
		For Class 56 Rating, Add	8,892.76	
40 05 19 00-0437		36" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0002)		
40 05 19 00-0438	EA	36" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,358.01	2,200.26
		For Class 52 Rating, Deduct	-1,322.67	
		For Class 54 Rating, Add	1,843.65	
		For Class 55 Rating, Add	2,761.42	
		For Class 56 Rating, Add	3,667.18	
40 05 19 00-0439	EA	36" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,150.87	2,204.47
		For Class 52 Rating, Deduct	-1,409.18	
		For Class 54 Rating, Add	1,961.70	
		For Class 55 Rating, Add	2,936.96	
		For Class 56 Rating, Add	3,899.42	
40 05 19 00-0440	EA	36" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,943.74	2,208.69
		For Class 52 Rating, Deduct	-1,495.70	
		For Class 54 Rating, Add	2,079.74	
		For Class 55 Rating, Add	3,112.50	
		For Class 56 Rating, Add	4,131.66	
40 05 19 00-0441	EA	36" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,736.61	2,212.90
		For Class 52 Rating, Deduct	-1,582.21	
		For Class 54 Rating, Add	2,197.79	
		For Class 55 Rating, Add	3,288.04	
		For Class 56 Rating, Add	4,363.90	
40 05 19 00-0442	EA	36" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,529.48	2,217.12
		For Class 52 Rating, Deduct	-1,668.72	
		For Class 54 Rating, Add	2,315.84	
		For Class 55 Rating, Add	3,463.58	
		For Class 56 Rating, Add	4,596.15	
40 05 19 00-0443	EA	36" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,322.35	2,221.33
		For Class 52 Rating, Deduct	-1,755.24	
		For Class 54 Rating, Add	2,433.89	
		For Class 55 Rating, Add	3,639.12	
		For Class 56 Rating, Add	4,828.39	
40 05 19 00-0444	EA	36" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,115.22	2,225.55
		For Class 52 Rating, Deduct	-1,841.75	
		For Class 54 Rating, Add	2,551.94	
		For Class 55 Rating, Add	3,814.66	
		For Class 56 Rating, Add	5,060.63	
40 05 19 00-0445	EA	36" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,908.07	2,229.76
		For Class 52 Rating, Deduct	-1,928.26	
		For Class 54 Rating, Add	2,669.99	
		For Class 55 Rating, Add	3,990.19	
		For Class 56 Rating, Add	5,292.87	
40 05 19 00-0446	EA	36" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,700.94	2,233.97
		For Class 52 Rating, Deduct	-2,014.77	
		For Class 54 Rating, Add	2,788.04	
		For Class 55 Rating, Add	4,165.73	
		For Class 56 Rating, Add	5,525.11	
40 05 19 00-0447	EA	36" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,493.82	2,238.19
		For Class 52 Rating, Deduct	-2,101.29	
		For Class 54 Rating, Add	2,906.09	
		For Class 55 Rating, Add	4,341.27	
		For Class 56 Rating, Add	5,757.36	
40 05 19 00-0448	EA	36" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,286.68	2,242.40
		For Class 52 Rating, Deduct	-2,187.80	
		For Class 54 Rating, Add	3,024.14	
		For Class 55 Rating, Add	4,516.81	
		For Class 56 Rating, Add	5,989.60	
40 05 19 00-0449	EA	36" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,079.55	2,246.62
		For Class 52 Rating, Deduct	-2,274.31	
		For Class 54 Rating, Add	3,142.18	
		For Class 55 Rating, Add	4,692.35	
		For Class 56 Rating, Add	6,221.84	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
40 05 19 00-0450	EA 36" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,872.42		2,250.84
	For Class 52 Rating, Deduct	-2,360.83		
	For Class 54 Rating, Add	3,260.23		
	For Class 55 Rating, Add	4,867.89		
	For Class 56 Rating, Add	6,454.08		
40 05 19 00-0451	EA 36" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,665.29		2,255.06
	For Class 52 Rating, Deduct	-2,447.34		
	For Class 54 Rating, Add	3,378.28		
	For Class 55 Rating, Add	5,043.43		
	For Class 56 Rating, Add	6,686.32		
40 05 19 00-0452	EA 36" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,458.16		2,259.27
	For Class 52 Rating, Deduct	-2,533.85		
	For Class 54 Rating, Add	3,496.33		
	For Class 55 Rating, Add	5,218.97		
	For Class 56 Rating, Add	6,918.57		
40 05 19 00-0453	EA 36" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,251.03		2,263.49
	For Class 52 Rating, Deduct	-2,620.37		
	For Class 54 Rating, Add	3,614.38		
	For Class 55 Rating, Add	5,394.51		
	For Class 56 Rating, Add	7,150.81		
40 05 19 00-0454	EA 36" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,043.90		2,267.70
	For Class 52 Rating, Deduct	-2,706.88		
	For Class 54 Rating, Add	3,732.43		
	For Class 55 Rating, Add	5,570.04		
	For Class 56 Rating, Add	7,383.05		
40 05 19 00-0455	EA 36" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,836.76		2,271.92
	For Class 52 Rating, Deduct	-2,793.39		
	For Class 54 Rating, Add	3,850.48		
	For Class 55 Rating, Add	5,745.58		
	For Class 56 Rating, Add	7,615.29		
40 05 19 00-0456	EA 36" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,629.63		2,276.13
	For Class 52 Rating, Deduct	-2,879.90		
	For Class 54 Rating, Add	3,968.53		
	For Class 55 Rating, Add	5,921.12		
	For Class 56 Rating, Add	7,847.53		
40 05 19 00-0457	EA 36" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,422.51		2,280.35
	For Class 52 Rating, Deduct	-2,966.42		
	For Class 54 Rating, Add	4,086.58		
	For Class 55 Rating, Add	6,096.66		
	For Class 56 Rating, Add	8,079.78		
40 05 19 00-0458	EA 36" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,215.37		2,284.56
	For Class 52 Rating, Deduct	-3,052.93		
	For Class 54 Rating, Add	4,204.63		
	For Class 55 Rating, Add	6,272.20		
	For Class 56 Rating, Add	8,312.02		
40 05 19 00-0459	EA 36" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,008.24		2,288.77
	For Class 52 Rating, Deduct	-3,139.44		
	For Class 54 Rating, Add	4,322.67		
	For Class 55 Rating, Add	6,447.74		
	For Class 56 Rating, Add	8,544.26		
40 05 19 00-0460	EA 36" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,801.11		2,292.99
	For Class 52 Rating, Deduct	-3,225.96		
	For Class 54 Rating, Add	4,440.72		
	For Class 55 Rating, Add	6,623.28		
	For Class 56 Rating, Add	8,776.50		
40 05 19 00-0461	EA 36" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,593.97		2,297.20
	For Class 52 Rating, Deduct	-3,312.47		
	For Class 54 Rating, Add	4,558.77		
	For Class 55 Rating, Add	6,798.81		
	For Class 56 Rating, Add	9,008.74		
40 05 19 00-0462	EA 36" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,386.84		2,301.42
	For Class 52 Rating, Deduct	-3,398.98		
	For Class 54 Rating, Add	4,676.82		
	For Class 55 Rating, Add	6,974.35		
	For Class 56 Rating, Add	9,240.98		
40 05 19 00-0463	EA 36" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,179.72		2,305.63
	For Class 52 Rating, Deduct	-3,485.50		
	For Class 54 Rating, Add	4,794.87		
	For Class 55 Rating, Add	7,149.89		
	For Class 56 Rating, Add	9,473.23		
40 05 19 00-0464	EA 36" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,972.58		2,309.85
	For Class 52 Rating, Deduct	-3,572.01		
	For Class 54 Rating, Add	4,912.92		
	For Class 55 Rating, Add	7,325.43		
	For Class 56 Rating, Add	9,705.47		
40 05 19 00-0465	EA 36" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,765.45		2,314.06
	For Class 52 Rating, Deduct	-3,658.52		
	For Class 54 Rating, Add	5,030.97		
	For Class 55 Rating, Add	7,500.97		
	For Class 56 Rating, Add	9,937.71		
40 05 19 00-0466	EA 36" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	37,558.32		2,318.28
	For Class 52 Rating, Deduct	-3,745.03		
	For Class 54 Rating, Add	5,149.02		
	For Class 55 Rating, Add	7,676.51		
	For Class 56 Rating, Add	10,169.95		
40 05 19 00-0467	EA 36" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	38,351.18		2,322.49
	For Class 52 Rating, Deduct	-3,831.55		
	For Class 54 Rating, Add	5,267.06		
	For Class 55 Rating, Add	7,852.05		
	For Class 56 Rating, Add	10,402.20		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0468	EA	36"	Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	39,144.06	2,326.71
			For Class 52 Rating, Deduct	-3,918.06	
			For Class 54 Rating, Add	5,385.11	
			For Class 55 Rating, Add	8,027.59	
			For Class 56 Rating, Add	10,634.44	
40 05 19 00-0469	EA	36"	Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	39,936.93	2,330.92
			For Class 52 Rating, Deduct	-4,004.57	
			For Class 54 Rating, Add	5,503.16	
			For Class 55 Rating, Add	8,203.13	
			For Class 56 Rating, Add	10,866.68	
40 05 19 00-0470	EA	36"	Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	40,729.79	2,335.13
			For Class 52 Rating, Deduct	-4,091.09	
			For Class 54 Rating, Add	5,621.21	
			For Class 55 Rating, Add	8,378.66	
			For Class 56 Rating, Add	11,098.92	
40 05 19 00-0471	EA	36"	Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	41,522.66	2,339.36
			For Class 52 Rating, Deduct	-4,177.60	
			For Class 54 Rating, Add	5,739.26	
			For Class 55 Rating, Add	8,554.20	
			For Class 56 Rating, Add	11,331.16	
40 05 19 00-0472	EA	36"	Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	42,315.53	2,343.57
			For Class 52 Rating, Deduct	-4,264.11	
			For Class 54 Rating, Add	5,857.31	
			For Class 55 Rating, Add	8,729.74	
			For Class 56 Rating, Add	11,563.41	
40 05 19 00-0473	EA	36"	Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	43,108.40	2,347.79
			For Class 52 Rating, Deduct	-4,350.63	
			For Class 54 Rating, Add	5,975.36	
			For Class 55 Rating, Add	8,905.28	
			For Class 56 Rating, Add	11,795.65	
40 05 19 00-0474	EA	36"	Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	43,901.27	2,352.00
			For Class 52 Rating, Deduct	-4,437.14	
			For Class 54 Rating, Add	6,093.41	
			For Class 55 Rating, Add	9,080.82	
			For Class 56 Rating, Add	12,027.89	
40 05 19 00-0475	EA	36"	Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	44,694.14	2,356.22
			For Class 52 Rating, Deduct	-4,523.65	
			For Class 54 Rating, Add	6,211.46	
			For Class 55 Rating, Add	9,256.36	
			For Class 56 Rating, Add	12,260.13	
40 05 19 00-0476 42" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0002)					
40 05 19 00-0477	EA	42"	Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,243.23	2,773.50
			For Class 52 Rating, Deduct	-1,764.50	
			For Class 54 Rating, Add	2,456.57	
			For Class 55 Rating, Add	3,677.99	
			For Class 56 Rating, Add	4,883.36	
40 05 19 00-0478	EA	42"	Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,424.66	2,777.72
			For Class 52 Rating, Deduct	-1,893.76	
			For Class 54 Rating, Add	2,632.90	
			For Class 55 Rating, Add	3,940.18	
			For Class 56 Rating, Add	5,230.23	
40 05 19 00-0479	EA	42"	Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,592.04	2,781.93
			For Class 52 Rating, Deduct	-2,021.47	
			For Class 54 Rating, Add	2,807.13	
			For Class 55 Rating, Add	4,199.23	
			For Class 56 Rating, Add	5,572.95	
40 05 19 00-0480	EA	42"	Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,771.13	2,786.15
			For Class 52 Rating, Deduct	-2,150.47	
			For Class 54 Rating, Add	2,983.11	
			For Class 55 Rating, Add	4,460.90	
			For Class 56 Rating, Add	5,919.13	
40 05 19 00-0481	EA	42"	Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,938.51	2,790.36
			For Class 52 Rating, Deduct	-2,278.18	
			For Class 54 Rating, Add	3,157.34	
			For Class 55 Rating, Add	4,719.95	
			For Class 56 Rating, Add	6,261.86	
40 05 19 00-0482	EA	42"	Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,119.94	2,794.58
			For Class 52 Rating, Deduct	-2,407.43	
			For Class 54 Rating, Add	3,333.67	
			For Class 55 Rating, Add	4,982.14	
			For Class 56 Rating, Add	6,608.72	
40 05 19 00-0483	EA	42"	Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,284.99	2,798.80
			For Class 52 Rating, Deduct	-2,534.88	
			For Class 54 Rating, Add	3,507.55	
			For Class 55 Rating, Add	5,240.67	
			For Class 56 Rating, Add	6,950.76	
40 05 19 00-0484	EA	42"	Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,466.41	2,803.01
			For Class 52 Rating, Deduct	-2,664.14	
			For Class 54 Rating, Add	3,683.88	
			For Class 55 Rating, Add	5,502.86	
			For Class 56 Rating, Add	7,297.62	
40 05 19 00-0485	EA	42"	Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,633.80	2,807.23
			For Class 52 Rating, Deduct	-2,791.85	
			For Class 54 Rating, Add	3,858.10	
			For Class 55 Rating, Add	5,761.92	
			For Class 56 Rating, Add	7,640.35	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
40 05 19 00-0486	EA 42" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,812.89		2,811.44
	For Class 52 Rating, Deduct	-2,920.84		
	For Class 54 Rating, Add	4,034.09		
	For Class 55 Rating, Add	6,023.58		
	For Class 56 Rating, Add	7,986.52		
40 05 19 00-0487	EA 42" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,980.26		2,815.66
	For Class 52 Rating, Deduct	-3,048.55		
	For Class 54 Rating, Add	4,208.31		
	For Class 55 Rating, Add	6,282.64		
	For Class 56 Rating, Add	8,329.25		
40 05 19 00-0488	EA 42" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,159.36		2,819.87
	For Class 52 Rating, Deduct	-3,177.55		
	For Class 54 Rating, Add	4,384.29		
	For Class 55 Rating, Add	6,544.30		
	For Class 56 Rating, Add	8,675.43		
40 05 19 00-0489	EA 42" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,326.74		2,824.09
	For Class 52 Rating, Deduct	-3,305.26		
	For Class 54 Rating, Add	4,558.52		
	For Class 55 Rating, Add	6,803.36		
	For Class 56 Rating, Add	9,018.15		
40 05 19 00-0490	EA 42" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,496.46		2,828.30
	For Class 52 Rating, Deduct	-3,433.23		
	For Class 54 Rating, Add	4,733.10		
	For Class 55 Rating, Add	7,062.94		
	For Class 56 Rating, Add	9,361.56		
40 05 19 00-0491	EA 42" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,673.21		2,832.52
	For Class 52 Rating, Deduct	-3,561.97		
	For Class 54 Rating, Add	4,908.73		
	For Class 55 Rating, Add	7,324.08		
	For Class 56 Rating, Add	9,707.05		
40 05 19 00-0492	EA 42" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	37,840.60		2,836.73
	For Class 52 Rating, Deduct	-3,689.68		
	For Class 54 Rating, Add	5,082.95		
	For Class 55 Rating, Add	7,583.14		
	For Class 56 Rating, Add	10,049.77		
40 05 19 00-0493	EA 42" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	39,022.02		2,840.95
	For Class 52 Rating, Deduct	-3,818.93		
	For Class 54 Rating, Add	5,259.29		
	For Class 55 Rating, Add	7,845.32		
	For Class 56 Rating, Add	10,396.64		
40 05 19 00-0494	EA 42" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	40,189.41		2,845.16
	For Class 52 Rating, Deduct	-3,946.64		
	For Class 54 Rating, Add	5,433.51		
	For Class 55 Rating, Add	8,104.38		
	For Class 56 Rating, Add	10,739.37		
40 05 19 00-0495	EA 42" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	41,368.50		2,849.38
	For Class 52 Rating, Deduct	-4,075.64		
	For Class 54 Rating, Add	5,609.50		
	For Class 55 Rating, Add	8,366.04		
	For Class 56 Rating, Add	11,085.54		
40 05 19 00-0496	EA 42" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	42,535.87		2,853.59
	For Class 52 Rating, Deduct	-4,203.35		
	For Class 54 Rating, Add	5,783.72		
	For Class 55 Rating, Add	8,625.10		
	For Class 56 Rating, Add	11,428.26		
40 05 19 00-0497	EA 42" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	43,717.31		2,857.80
	For Class 52 Rating, Deduct	-4,332.60		
	For Class 54 Rating, Add	5,960.06		
	For Class 55 Rating, Add	8,887.29		
	For Class 56 Rating, Add	11,775.13		
40 05 19 00-0498	EA 42" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	44,884.69		2,862.02
	For Class 52 Rating, Deduct	-4,460.31		
	For Class 54 Rating, Add	6,134.28		
	For Class 55 Rating, Add	9,146.34		
	For Class 56 Rating, Add	12,117.86		
40 05 19 00-0499	EA 42" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	46,063.77		2,866.23
	For Class 52 Rating, Deduct	-4,589.31		
	For Class 54 Rating, Add	6,310.26		
	For Class 55 Rating, Add	9,408.01		
	For Class 56 Rating, Add	12,464.03		
40 05 19 00-0500	EA 42" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	47,231.16		2,870.45
	For Class 52 Rating, Deduct	-4,717.02		
	For Class 54 Rating, Add	6,484.49		
	For Class 55 Rating, Add	9,667.06		
	For Class 56 Rating, Add	12,806.76		
40 05 19 00-0501	EA 42" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	48,412.59		2,874.66
	For Class 52 Rating, Deduct	-4,846.27		
	For Class 54 Rating, Add	6,660.82		
	For Class 55 Rating, Add	9,929.25		
	For Class 56 Rating, Add	13,153.62		
40 05 19 00-0502	EA 42" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	49,579.98		2,878.88
	For Class 52 Rating, Deduct	-4,973.98		
	For Class 54 Rating, Add	6,835.05		
	For Class 55 Rating, Add	10,188.31		
	For Class 56 Rating, Add	13,496.35		
40 05 19 00-0503	EA 42" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	50,756.72		2,883.09
	For Class 52 Rating, Deduct	-5,102.72		
	For Class 54 Rating, Add	7,010.68		
	For Class 55 Rating, Add	10,449.45		
	For Class 56 Rating, Add	13,841.83		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0504	EA		42" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	51,926.45	2,887.31
			For Class 52 Rating, Deduct	-5,230.69	
			For Class 54 Rating, Add	7,185.26	
			For Class 55 Rating, Add	10,709.03	
			For Class 56 Rating, Add	14,185.25	
40 05 19 00-0505	EA		42" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	52,859.76	2,891.53
			For Class 52 Rating, Deduct	-5,332.65	
			For Class 54 Rating, Add	7,324.37	
			For Class 55 Rating, Add	10,915.89	
			For Class 56 Rating, Add	14,458.92	
40 05 19 00-0506	EA		42" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	54,272.91	2,895.75
			For Class 52 Rating, Deduct	-5,487.40	
			For Class 54 Rating, Add	7,535.46	
			For Class 55 Rating, Add	11,229.75	
			For Class 56 Rating, Add	14,874.15	
40 05 19 00-0507	EA		42" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	55,440.30	2,899.96
			For Class 52 Rating, Deduct	-5,615.11	
			For Class 54 Rating, Add	7,709.69	
			For Class 55 Rating, Add	11,488.80	
			For Class 56 Rating, Add	15,216.87	
40 05 19 00-0508	EA		42" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	56,619.38	2,904.18
			For Class 52 Rating, Deduct	-5,744.10	
			For Class 54 Rating, Add	7,885.67	
			For Class 55 Rating, Add	11,750.47	
			For Class 56 Rating, Add	15,563.05	
40 05 19 00-0509	EA		42" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	57,786.76	2,908.39
			For Class 52 Rating, Deduct	-5,871.81	
			For Class 54 Rating, Add	8,059.90	
			For Class 55 Rating, Add	12,009.53	
			For Class 56 Rating, Add	15,905.77	
40 05 19 00-0510	EA		42" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	58,968.19	2,912.60
			For Class 52 Rating, Deduct	-6,001.07	
			For Class 54 Rating, Add	8,236.23	
			For Class 55 Rating, Add	12,271.71	
			For Class 56 Rating, Add	16,252.64	
40 05 19 00-0511	EA		42" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	60,133.24	2,916.82
			For Class 52 Rating, Deduct	-6,128.52	
			For Class 54 Rating, Add	8,410.11	
			For Class 55 Rating, Add	12,530.25	
			For Class 56 Rating, Add	16,594.68	
40 05 19 00-0512	EA		42" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	61,314.66	2,921.03
			For Class 52 Rating, Deduct	-6,257.77	
			For Class 54 Rating, Add	8,586.44	
			For Class 55 Rating, Add	12,792.43	
			For Class 56 Rating, Add	16,941.54	
40 05 19 00-0513	EA		42" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	62,482.05	2,925.25
			For Class 52 Rating, Deduct	-6,385.48	
			For Class 54 Rating, Add	8,760.67	
			For Class 55 Rating, Add	13,051.49	
			For Class 56 Rating, Add	17,284.27	
40 05 19 00-0514	EA		42" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	63,661.14	2,929.46
			For Class 52 Rating, Deduct	-6,514.48	
			For Class 54 Rating, Add	8,936.65	
			For Class 55 Rating, Add	13,313.16	
			For Class 56 Rating, Add	17,630.44	
40 05 19 00-0515			48" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0002)		
40 05 19 00-0516	EA		48" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,393.06	3,485.85
			For Class 52 Rating, Deduct	-2,212.26	
			For Class 54 Rating, Add	3,080.10	
			For Class 55 Rating, Add	4,611.62	
			For Class 56 Rating, Add	6,123.02	
40 05 19 00-0517	EA		48" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,110.50	3,490.06
			For Class 52 Rating, Deduct	-2,400.48	
			For Class 54 Rating, Add	3,336.84	
			For Class 55 Rating, Add	4,993.34	
			For Class 56 Rating, Add	6,628.01	
40 05 19 00-0518	EA		48" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,825.62	3,494.28
			For Class 52 Rating, Deduct	-2,588.44	
			For Class 54 Rating, Add	3,593.22	
			For Class 55 Rating, Add	5,374.54	
			For Class 56 Rating, Add	7,132.32	
40 05 19 00-0519	EA		48" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,554.78	3,498.49
			For Class 52 Rating, Deduct	-2,777.94	
			For Class 54 Rating, Add	3,851.71	
			For Class 55 Rating, Add	5,758.87	
			For Class 56 Rating, Add	7,640.77	
40 05 19 00-0520	EA		48" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,272.23	3,502.71
			For Class 52 Rating, Deduct	-2,966.16	
			For Class 54 Rating, Add	4,108.45	
			For Class 55 Rating, Add	6,140.59	
			For Class 56 Rating, Add	8,145.76	
40 05 19 00-0521	EA		48" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,989.68	3,506.92
			For Class 52 Rating, Deduct	-3,154.38	
			For Class 54 Rating, Add	4,365.19	
			For Class 55 Rating, Add	6,522.31	
			For Class 56 Rating, Add	8,650.75	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
40 05 19 00-0522	EA 48" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,716.50		3,511.14	
	For Class 52 Rating, Deduct	-3,343.62			
	For Class 54 Rating, Add	4,623.33			
	For Class 55 Rating, Add	6,906.12			
	For Class 56 Rating, Add	9,158.51			
40 05 19 00-0523	EA 48" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	37,436.30		3,515.35	
	For Class 52 Rating, Deduct	-3,532.10			
	For Class 54 Rating, Add	4,880.42			
	For Class 55 Rating, Add	7,288.36			
	For Class 56 Rating, Add	9,664.20			
40 05 19 00-0524	EA 48" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	39,151.40		3,519.57	
	For Class 52 Rating, Deduct	-3,720.06			
	For Class 54 Rating, Add	5,136.80			
	For Class 55 Rating, Add	7,669.56			
	For Class 56 Rating, Add	10,168.50			
40 05 19 00-0525	EA 48" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	40,880.56		3,523.78	
	For Class 52 Rating, Deduct	-3,909.56			
	For Class 54 Rating, Add	5,395.29			
	For Class 55 Rating, Add	8,053.89			
	For Class 56 Rating, Add	10,676.95			
40 05 19 00-0526	EA 48" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	42,598.02		3,528.00	
	For Class 52 Rating, Deduct	-4,097.78			
	For Class 54 Rating, Add	5,652.03			
	For Class 55 Rating, Add	8,435.61			
	For Class 56 Rating, Add	11,181.94			
40 05 19 00-0527	EA 48" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	44,327.17		3,532.22	
	For Class 52 Rating, Deduct	-4,287.29			
	For Class 54 Rating, Add	5,910.52			
	For Class 55 Rating, Add	8,819.94			
	For Class 56 Rating, Add	11,690.39			
40 05 19 00-0528	EA 48" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	46,042.28		3,536.43	
	For Class 52 Rating, Deduct	-4,475.25			
	For Class 54 Rating, Add	6,166.91			
	For Class 55 Rating, Add	9,201.14			
	For Class 56 Rating, Add	12,194.69			
40 05 19 00-0529	EA 48" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	47,759.74		3,540.65	
	For Class 52 Rating, Deduct	-4,663.46			
	For Class 54 Rating, Add	6,423.64			
	For Class 55 Rating, Add	9,582.86			
	For Class 56 Rating, Add	12,699.69			
40 05 19 00-0530	EA 48" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	49,488.89		3,544.86	
	For Class 52 Rating, Deduct	-4,852.97			
	For Class 54 Rating, Add	6,682.14			
	For Class 55 Rating, Add	9,967.19			
	For Class 56 Rating, Add	13,208.13			
40 05 19 00-0531	EA 48" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	51,206.35		3,549.08	
	For Class 52 Rating, Deduct	-5,041.19			
	For Class 54 Rating, Add	6,938.87			
	For Class 55 Rating, Add	10,348.92			
	For Class 56 Rating, Add	13,713.13			
40 05 19 00-0532	EA 48" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	52,921.46		3,553.29	
	For Class 52 Rating, Deduct	-5,229.14			
	For Class 54 Rating, Add	7,195.26			
	For Class 55 Rating, Add	10,730.11			
	For Class 56 Rating, Add	14,217.43			
40 05 19 00-0533	EA 48" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	54,650.61		3,557.51	
	For Class 52 Rating, Deduct	-5,418.65			
	For Class 54 Rating, Add	7,453.75			
	For Class 55 Rating, Add	11,114.44			
	For Class 56 Rating, Add	14,725.88			
40 05 19 00-0534	EA 48" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	56,368.07		3,561.72	
	For Class 52 Rating, Deduct	-5,606.87			
	For Class 54 Rating, Add	7,710.49			
	For Class 55 Rating, Add	11,496.17			
	For Class 56 Rating, Add	15,230.87			
40 05 19 00-0535	EA 48" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	58,083.18		3,565.94	
	For Class 52 Rating, Deduct	-5,794.83			
	For Class 54 Rating, Add	7,966.87			
	For Class 55 Rating, Add	11,877.36			
	For Class 56 Rating, Add	15,735.18			
40 05 19 00-0536	EA 48" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	59,812.33		3,570.15	
	For Class 52 Rating, Deduct	-5,984.33			
	For Class 54 Rating, Add	8,225.36			
	For Class 55 Rating, Add	12,261.69			
	For Class 56 Rating, Add	16,243.62			
40 05 19 00-0537	EA 48" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	61,532.13		3,574.37	
	For Class 52 Rating, Deduct	-6,172.81			
	For Class 54 Rating, Add	8,482.45			
	For Class 55 Rating, Add	12,643.94			
	For Class 56 Rating, Add	16,749.31			
40 05 19 00-0538	EA 48" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	63,247.24		3,578.58	
	For Class 52 Rating, Deduct	-6,360.77			
	For Class 54 Rating, Add	8,738.84			
	For Class 55 Rating, Add	13,025.14			
	For Class 56 Rating, Add	17,253.61			
40 05 19 00-0539	EA 48" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	64,976.39		3,582.79	
	For Class 52 Rating, Deduct	-6,550.27			
	For Class 54 Rating, Add	8,997.33			
	For Class 55 Rating, Add	13,409.47			
	For Class 56 Rating, Add	17,762.06			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0540	EA		48" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	66,693.84	3,587.01
			For Class 52 Rating, Deduct	-6,738.49	
			For Class 54 Rating, Add	9,254.07	
			For Class 55 Rating, Add	13,791.19	
			For Class 56 Rating, Add	18,267.05	
40 05 19 00-0541	EA		48" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	68,408.96	3,591.22
			For Class 52 Rating, Deduct	-6,926.45	
			For Class 54 Rating, Add	9,510.45	
			For Class 55 Rating, Add	14,172.39	
			For Class 56 Rating, Add	18,771.36	
40 05 19 00-0542	EA		48" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	70,138.11	3,595.44
			For Class 52 Rating, Deduct	-7,115.95	
			For Class 54 Rating, Add	9,768.94	
			For Class 55 Rating, Add	14,556.72	
			For Class 56 Rating, Add	19,279.81	
40 05 19 00-0543	EA		48" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	71,855.56	3,599.65
			For Class 52 Rating, Deduct	-7,304.17	
			For Class 54 Rating, Add	10,025.68	
			For Class 55 Rating, Add	14,938.44	
			For Class 56 Rating, Add	19,784.80	
40 05 19 00-0544	EA		48" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	73,362.36	3,603.87
			For Class 52 Rating, Deduct	-7,469.21	
			For Class 54 Rating, Add	10,250.82	
			For Class 55 Rating, Add	15,273.18	
			For Class 56 Rating, Add	20,227.65	
40 05 19 00-0545	EA		48" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	75,302.17	3,608.08
			For Class 52 Rating, Deduct	-7,681.89	
			For Class 54 Rating, Add	10,540.91	
			For Class 55 Rating, Add	15,704.49	
			For Class 56 Rating, Add	20,798.24	
40 05 19 00-0546	EA		48" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	77,017.29	3,612.30
			For Class 52 Rating, Deduct	-7,869.85	
			For Class 54 Rating, Add	10,797.29	
			For Class 55 Rating, Add	16,085.69	
			For Class 56 Rating, Add	21,302.55	
40 05 19 00-0547	EA		48" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	78,748.79	3,616.51
			For Class 52 Rating, Deduct	-8,059.61	
			For Class 54 Rating, Add	11,056.14	
			For Class 55 Rating, Add	16,470.55	
			For Class 56 Rating, Add	21,811.68	
40 05 19 00-0548	EA		48" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	80,463.89	3,620.73
			For Class 52 Rating, Deduct	-8,247.57	
			For Class 54 Rating, Add	11,312.52	
			For Class 55 Rating, Add	16,851.74	
			For Class 56 Rating, Add	22,315.99	
40 05 19 00-0549	EA		48" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	82,179.01	3,624.95
			For Class 52 Rating, Deduct	-8,435.53	
			For Class 54 Rating, Add	11,568.91	
			For Class 55 Rating, Add	17,232.94	
			For Class 56 Rating, Add	22,820.29	
40 05 19 00-0550	EA		48" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	83,910.51	3,629.17
			For Class 52 Rating, Deduct	-8,625.30	
			For Class 54 Rating, Add	11,827.75	
			For Class 55 Rating, Add	17,617.80	
			For Class 56 Rating, Add	23,329.43	
40 05 19 00-0551	EA		48" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	85,625.61	3,633.38
			For Class 52 Rating, Deduct	-8,813.26	
			For Class 54 Rating, Add	12,084.14	
			For Class 55 Rating, Add	17,998.99	
			For Class 56 Rating, Add	23,833.73	
40 05 19 00-0552	EA		48" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	87,343.07	3,637.59
			For Class 52 Rating, Deduct	-9,001.47	
			For Class 54 Rating, Add	12,340.87	
			For Class 55 Rating, Add	18,380.72	
			For Class 56 Rating, Add	24,338.73	
40 05 19 00-0553	EA		48" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	89,072.23	3,641.81
			For Class 52 Rating, Deduct	-9,190.98	
			For Class 54 Rating, Add	12,599.37	
			For Class 55 Rating, Add	18,765.05	
			For Class 56 Rating, Add	24,847.17	
40 05 19 00-0554			Flanged End x Grooved End (FxF), Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0001)		
40 05 19 00-0555			4" Flanged End x Grooved End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0554)		
40 05 19 00-0556	EA		4" Flanged x Grooved (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	690.17	192.89
			For Class 52 Rating, Deduct	-43.77	
			For Class 54 Rating, Add	63.20	
			For Class 55 Rating, Add	95.75	
			For Class 56 Rating, Add	127.91	
40 05 19 00-0557	EA		4" Flanged x Grooved (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	756.13	196.26
			For Class 52 Rating, Deduct	-50.47	
			For Class 54 Rating, Add	72.39	
			For Class 55 Rating, Add	109.44	
			For Class 56 Rating, Add	146.04	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-0558	EA	4" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	822.11	199.63
		For Class 52 Rating, Deduct	-57.16	
		For Class 54 Rating, Add	81.58	
		For Class 55 Rating, Add	123.14	
		For Class 56 Rating, Add	164.18	
40 05 19 00-0559	EA	4" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	888.07	203.00
		For Class 52 Rating, Deduct	-63.86	
		For Class 54 Rating, Add	90.77	
		For Class 55 Rating, Add	136.83	
		For Class 56 Rating, Add	182.32	
40 05 19 00-0560	EA	4" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	954.04	206.37
		For Class 52 Rating, Deduct	-70.55	
		For Class 54 Rating, Add	99.96	
		For Class 55 Rating, Add	150.53	
		For Class 56 Rating, Add	200.46	
40 05 19 00-0561	EA	4" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,020.01	209.75
		For Class 52 Rating, Deduct	-77.24	
		For Class 54 Rating, Add	109.15	
		For Class 55 Rating, Add	164.22	
		For Class 56 Rating, Add	218.60	
40 05 19 00-0562	EA	4" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,085.97	213.12
		For Class 52 Rating, Deduct	-83.94	
		For Class 54 Rating, Add	118.34	
		For Class 55 Rating, Add	177.91	
		For Class 56 Rating, Add	236.73	
40 05 19 00-0563	EA	4" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,151.93	216.49
		For Class 52 Rating, Deduct	-90.63	
		For Class 54 Rating, Add	127.53	
		For Class 55 Rating, Add	191.61	
		For Class 56 Rating, Add	254.87	
40 05 19 00-0564	EA	4" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,217.91	219.86
		For Class 52 Rating, Deduct	-97.33	
		For Class 54 Rating, Add	136.72	
		For Class 55 Rating, Add	205.30	
		For Class 56 Rating, Add	273.01	
40 05 19 00-0565	EA	4" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,283.87	223.23
		For Class 52 Rating, Deduct	-104.02	
		For Class 54 Rating, Add	145.91	
		For Class 55 Rating, Add	219.00	
		For Class 56 Rating, Add	291.14	
40 05 19 00-0566	EA	4" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,349.85	226.60
		For Class 52 Rating, Deduct	-110.72	
		For Class 54 Rating, Add	155.10	
		For Class 55 Rating, Add	232.69	
		For Class 56 Rating, Add	309.28	
40 05 19 00-0567	EA	4" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,415.81	229.98
		For Class 52 Rating, Deduct	-117.41	
		For Class 54 Rating, Add	164.29	
		For Class 55 Rating, Add	246.39	
		For Class 56 Rating, Add	327.42	
40 05 19 00-0568	EA	4" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,481.78	233.35
		For Class 52 Rating, Deduct	-124.11	
		For Class 54 Rating, Add	173.48	
		For Class 55 Rating, Add	260.08	
		For Class 56 Rating, Add	345.56	
40 05 19 00-0569	EA	4" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,547.76	236.72
		For Class 52 Rating, Deduct	-130.80	
		For Class 54 Rating, Add	182.67	
		For Class 55 Rating, Add	273.78	
		For Class 56 Rating, Add	363.69	
40 05 19 00-0570	EA	4" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,613.71	240.09
		For Class 52 Rating, Deduct	-137.49	
		For Class 54 Rating, Add	191.86	
		For Class 55 Rating, Add	287.47	
		For Class 56 Rating, Add	381.83	
40 05 19 00-0571	EA	4" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,679.68	243.46
		For Class 52 Rating, Deduct	-144.19	
		For Class 54 Rating, Add	201.05	
		For Class 55 Rating, Add	301.16	
		For Class 56 Rating, Add	399.97	
40 05 19 00-0572	EA	4" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,745.65	246.83
		For Class 52 Rating, Deduct	-150.88	
		For Class 54 Rating, Add	210.24	
		For Class 55 Rating, Add	314.86	
		For Class 56 Rating, Add	418.10	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0573	EA		4" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,811.62	250.21
			For Class 52 Rating, Deduct	-157.58	
			For Class 54 Rating, Add	219.43	
			For Class 55 Rating, Add	328.55	
			For Class 56 Rating, Add	436.24	
40 05 19 00-0574	EA		4" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,877.59	253.58
			For Class 52 Rating, Deduct	-164.27	
			For Class 54 Rating, Add	228.62	
			For Class 55 Rating, Add	342.24	
			For Class 56 Rating, Add	454.38	
40 05 19 00-0575	EA		4" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,943.56	256.95
			For Class 52 Rating, Deduct	-170.97	
			For Class 54 Rating, Add	237.81	
			For Class 55 Rating, Add	355.94	
			For Class 56 Rating, Add	472.52	
40 05 19 00-0576	EA		4" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	2,009.52	260.32
			For Class 52 Rating, Deduct	-177.66	
			For Class 54 Rating, Add	247.00	
			For Class 55 Rating, Add	369.63	
			For Class 56 Rating, Add	490.65	
40 05 19 00-0577	EA		4" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	2,075.50	263.69
			For Class 52 Rating, Deduct	-184.36	
			For Class 54 Rating, Add	256.19	
			For Class 55 Rating, Add	383.33	
			For Class 56 Rating, Add	508.79	
40 05 19 00-0578	EA		4" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	2,141.45	267.07
			For Class 52 Rating, Deduct	-191.05	
			For Class 54 Rating, Add	265.38	
			For Class 55 Rating, Add	397.02	
			For Class 56 Rating, Add	526.93	
40 05 19 00-0579	EA		4" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	2,207.42	270.44
			For Class 52 Rating, Deduct	-197.74	
			For Class 54 Rating, Add	274.57	
			For Class 55 Rating, Add	410.71	
			For Class 56 Rating, Add	545.06	
40 05 19 00-0580	EA		4" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	2,273.39	273.81
			For Class 52 Rating, Deduct	-204.44	
			For Class 54 Rating, Add	283.76	
			For Class 55 Rating, Add	424.41	
			For Class 56 Rating, Add	563.20	
40 05 19 00-0581	EA		4" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	2,339.36	277.18
			For Class 52 Rating, Deduct	-211.13	
			For Class 54 Rating, Add	292.95	
			For Class 55 Rating, Add	438.10	
			For Class 56 Rating, Add	581.34	
40 05 19 00-0582	EA		4" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	2,405.34	280.55
			For Class 52 Rating, Deduct	-217.83	
			For Class 54 Rating, Add	302.14	
			For Class 55 Rating, Add	451.80	
			For Class 56 Rating, Add	599.48	
40 05 19 00-0583	EA		4" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	2,471.30	283.93
			For Class 52 Rating, Deduct	-224.52	
			For Class 54 Rating, Add	311.33	
			For Class 55 Rating, Add	465.49	
			For Class 56 Rating, Add	617.61	
40 05 19 00-0584	EA		4" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	2,537.27	287.30
			For Class 52 Rating, Deduct	-231.22	
			For Class 54 Rating, Add	320.52	
			For Class 55 Rating, Add	479.19	
			For Class 56 Rating, Add	635.75	
40 05 19 00-0585	EA		4" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	2,603.24	290.68
			For Class 52 Rating, Deduct	-237.91	
			For Class 54 Rating, Add	329.71	
			For Class 55 Rating, Add	492.88	
			For Class 56 Rating, Add	653.89	
40 05 19 00-0586	EA		4" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	2,669.20	294.05
			For Class 52 Rating, Deduct	-244.60	
			For Class 54 Rating, Add	338.90	
			For Class 55 Rating, Add	506.57	
			For Class 56 Rating, Add	672.02	
40 05 19 00-0587	EA		4" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	2,735.16	297.42
			For Class 52 Rating, Deduct	-251.30	
			For Class 54 Rating, Add	348.09	
			For Class 55 Rating, Add	520.27	
			For Class 56 Rating, Add	690.16	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-0588	EA	4" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,801.14	300.79
		For Class 52 Rating, Deduct	-257.99	
		For Class 54 Rating, Add	357.28	
		For Class 55 Rating, Add	533.96	
		For Class 56 Rating, Add	708.30	
40 05 19 00-0589	EA	4" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,867.10	304.16
		For Class 52 Rating, Deduct	-264.69	
		For Class 54 Rating, Add	366.47	
		For Class 55 Rating, Add	547.66	
		For Class 56 Rating, Add	726.44	
40 05 19 00-0590	EA	4" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,933.08	307.54
		For Class 52 Rating, Deduct	-271.38	
		For Class 54 Rating, Add	375.66	
		For Class 55 Rating, Add	561.35	
		For Class 56 Rating, Add	744.57	
40 05 19 00-0591	EA	4" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,999.04	310.91
		For Class 52 Rating, Deduct	-278.08	
		For Class 54 Rating, Add	384.85	
		For Class 55 Rating, Add	575.04	
		For Class 56 Rating, Add	762.71	
40 05 19 00-0592	EA	4" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,065.01	314.28
		For Class 52 Rating, Deduct	-284.77	
		For Class 54 Rating, Add	394.04	
		For Class 55 Rating, Add	588.74	
		For Class 56 Rating, Add	780.85	
40 05 19 00-0593	EA	4" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,130.99	317.65
		For Class 52 Rating, Deduct	-291.47	
		For Class 54 Rating, Add	403.23	
		For Class 55 Rating, Add	602.43	
		For Class 56 Rating, Add	798.99	
40 05 19 00-0594	EA	4" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,196.94	321.02
		For Class 52 Rating, Deduct	-298.16	
		For Class 54 Rating, Add	412.42	
		For Class 55 Rating, Add	616.13	
		For Class 56 Rating, Add	817.12	

40 05 19 00-0595 6" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe

(40 05 19 00-0554)

40 05 19 00-0596	EA	6" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	861.75	242.79
		For Class 52 Rating, Deduct	-54.33	
		For Class 54 Rating, Add	78.50	
		For Class 55 Rating, Add	118.97	
		For Class 56 Rating, Add	158.94	
40 05 19 00-0597	EA	6" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	941.76	246.16
		For Class 52 Rating, Deduct	-62.57	
		For Class 54 Rating, Add	89.80	
		For Class 55 Rating, Add	135.79	
		For Class 56 Rating, Add	181.22	
40 05 19 00-0598	EA	6" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,021.78	249.53
		For Class 52 Rating, Deduct	-70.81	
		For Class 54 Rating, Add	101.09	
		For Class 55 Rating, Add	152.62	
		For Class 56 Rating, Add	203.50	
40 05 19 00-0599	EA	6" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,101.79	252.91
		For Class 52 Rating, Deduct	-79.05	
		For Class 54 Rating, Add	112.39	
		For Class 55 Rating, Add	169.44	
		For Class 56 Rating, Add	225.78	
40 05 19 00-0600	EA	6" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,181.79	256.28
		For Class 52 Rating, Deduct	-87.29	
		For Class 54 Rating, Add	123.68	
		For Class 55 Rating, Add	186.27	
		For Class 56 Rating, Add	248.06	
40 05 19 00-0601	EA	6" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,261.82	259.65
		For Class 52 Rating, Deduct	-95.53	
		For Class 54 Rating, Add	134.98	
		For Class 55 Rating, Add	203.10	
		For Class 56 Rating, Add	270.34	
40 05 19 00-0602	EA	6" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,341.82	263.02
		For Class 52 Rating, Deduct	-103.76	
		For Class 54 Rating, Add	146.28	
		For Class 55 Rating, Add	219.92	
		For Class 56 Rating, Add	292.62	

MINOR		DESCRIPTION	TOTAL DIRECT		DEMOLITION
CSI	UOM		UNIT	COST	
40 05 19 00-0603	EA	6" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron			
		Pipe		1,421.84	266.39
		For Class 52 Rating, Deduct		-112.00	
		For Class 54 Rating, Add		157.58	
		For Class 55 Rating, Add		236.75	
		For Class 56 Rating, Add		314.90	
40 05 19 00-0604	EA	6" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron			
		Pipe		1,501.85	269.76
		For Class 52 Rating, Deduct		-120.24	
		For Class 54 Rating, Add		168.87	
		For Class 55 Rating, Add		253.58	
		For Class 56 Rating, Add		337.18	
40 05 19 00-0605	EA	6" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron			
		Pipe		1,581.86	273.14
		For Class 52 Rating, Deduct		-128.48	
		For Class 54 Rating, Add		180.17	
		For Class 55 Rating, Add		270.40	
		For Class 56 Rating, Add		359.46	
40 05 19 00-0606	EA	6" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron			
		Pipe		1,661.87	276.51
		For Class 52 Rating, Deduct		-136.72	
		For Class 54 Rating, Add		191.47	
		For Class 55 Rating, Add		287.23	
		For Class 56 Rating, Add		381.74	
40 05 19 00-0607	EA	6" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron			
		Pipe		1,741.89	279.88
		For Class 52 Rating, Deduct		-144.96	
		For Class 54 Rating, Add		202.76	
		For Class 55 Rating, Add		304.05	
		For Class 56 Rating, Add		404.03	
40 05 19 00-0608	EA	6" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron			
		Pipe		1,821.90	283.25
		For Class 52 Rating, Deduct		-153.20	
		For Class 54 Rating, Add		214.06	
		For Class 55 Rating, Add		320.88	
		For Class 56 Rating, Add		426.31	
40 05 19 00-0609	EA	6" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron			
		Pipe		1,901.91	286.62
		For Class 52 Rating, Deduct		-161.44	
		For Class 54 Rating, Add		225.36	
		For Class 55 Rating, Add		337.70	
		For Class 56 Rating, Add		448.58	
40 05 19 00-0610	EA	6" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron			
		Pipe		1,981.91	289.99
		For Class 52 Rating, Deduct		-169.68	
		For Class 54 Rating, Add		236.65	
		For Class 55 Rating, Add		354.53	
		For Class 56 Rating, Add		470.86	
40 05 19 00-0611	EA	6" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron			
		Pipe		2,061.94	293.37
		For Class 52 Rating, Deduct		-177.92	
		For Class 54 Rating, Add		247.95	
		For Class 55 Rating, Add		371.36	
		For Class 56 Rating, Add		493.15	
40 05 19 00-0612	EA	6" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron			
		Pipe		2,141.95	296.74
		For Class 52 Rating, Deduct		-186.16	
		For Class 54 Rating, Add		259.25	
		For Class 55 Rating, Add		388.18	
		For Class 56 Rating, Add		515.43	
40 05 19 00-0613	EA	6" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron			
		Pipe		2,221.95	300.11
		For Class 52 Rating, Deduct		-194.40	
		For Class 54 Rating, Add		270.54	
		For Class 55 Rating, Add		405.01	
		For Class 56 Rating, Add		537.71	
40 05 19 00-0614	EA	6" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron			
		Pipe		2,301.98	303.48
		For Class 52 Rating, Deduct		-202.64	
		For Class 54 Rating, Add		281.84	
		For Class 55 Rating, Add		421.64	
		For Class 56 Rating, Add		559.99	
40 05 19 00-0615	EA	6" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron			
		Pipe		2,381.98	306.85
		For Class 52 Rating, Deduct		-210.88	
		For Class 54 Rating, Add		293.14	
		For Class 55 Rating, Add		438.66	
		For Class 56 Rating, Add		582.27	
40 05 19 00-0616	EA	6" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron			
		Pipe		2,461.99	310.22
		For Class 52 Rating, Deduct		-219.11	
		For Class 54 Rating, Add		304.43	
		For Class 55 Rating, Add		455.49	
		For Class 56 Rating, Add		604.55	
40 05 19 00-0617	EA	6" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron			
		Pipe		2,542.01	313.60
		For Class 52 Rating, Deduct		-227.35	
		For Class 54 Rating, Add		315.73	
		For Class 55 Rating, Add		472.31	
		For Class 56 Rating, Add		626.83	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-0618	EA	6" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,622.02	316.97
		For Class 52 Rating, Deduct	-235.59	
		For Class 54 Rating, Add	327.03	
		For Class 55 Rating, Add	489.14	
		For Class 56 Rating, Add	649.11	
40 05 19 00-0619	EA	6" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,702.03	320.34
		For Class 52 Rating, Deduct	-243.83	
		For Class 54 Rating, Add	338.32	
		For Class 55 Rating, Add	505.96	
		For Class 56 Rating, Add	671.39	
40 05 19 00-0620	EA	6" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,782.04	323.72
		For Class 52 Rating, Deduct	-252.07	
		For Class 54 Rating, Add	349.62	
		For Class 55 Rating, Add	522.79	
		For Class 56 Rating, Add	693.67	
40 05 19 00-0621	EA	6" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,862.05	327.09
		For Class 52 Rating, Deduct	-260.31	
		For Class 54 Rating, Add	360.92	
		For Class 55 Rating, Add	539.62	
		For Class 56 Rating, Add	715.95	
40 05 19 00-0622	EA	6" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,942.07	330.46
		For Class 52 Rating, Deduct	-268.55	
		For Class 54 Rating, Add	372.21	
		For Class 55 Rating, Add	556.44	
		For Class 56 Rating, Add	738.23	
40 05 19 00-0623	EA	6" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,022.08	333.84
		For Class 52 Rating, Deduct	-276.79	
		For Class 54 Rating, Add	383.51	
		For Class 55 Rating, Add	573.27	
		For Class 56 Rating, Add	760.51	
40 05 19 00-0624	EA	6" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,102.10	337.21
		For Class 52 Rating, Deduct	-285.03	
		For Class 54 Rating, Add	394.81	
		For Class 55 Rating, Add	590.10	
		For Class 56 Rating, Add	782.79	
40 05 19 00-0625	EA	6" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,182.11	340.58
		For Class 52 Rating, Deduct	-293.27	
		For Class 54 Rating, Add	406.10	
		For Class 55 Rating, Add	606.92	
		For Class 56 Rating, Add	805.07	
40 05 19 00-0626	EA	6" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,262.11	343.95
		For Class 52 Rating, Deduct	-301.51	
		For Class 54 Rating, Add	417.40	
		For Class 55 Rating, Add	623.75	
		For Class 56 Rating, Add	827.35	
40 05 19 00-0627	EA	6" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,342.14	347.32
		For Class 52 Rating, Deduct	-309.75	
		For Class 54 Rating, Add	428.70	
		For Class 55 Rating, Add	640.57	
		For Class 56 Rating, Add	849.63	
40 05 19 00-0628	EA	6" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,422.14	350.69
		For Class 52 Rating, Deduct	-317.99	
		For Class 54 Rating, Add	439.99	
		For Class 55 Rating, Add	657.40	
		For Class 56 Rating, Add	871.91	
40 05 19 00-0629	EA	6" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,502.15	354.07
		For Class 52 Rating, Deduct	-326.23	
		For Class 54 Rating, Add	451.29	
		For Class 55 Rating, Add	674.22	
		For Class 56 Rating, Add	894.19	
40 05 19 00-0630	EA	6" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,582.17	357.44
		For Class 52 Rating, Deduct	-334.47	
		For Class 54 Rating, Add	462.59	
		For Class 55 Rating, Add	691.05	
		For Class 56 Rating, Add	916.47	
40 05 19 00-0631	EA	6" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,662.18	360.81
		For Class 52 Rating, Deduct	-342.71	
		For Class 54 Rating, Add	473.89	
		For Class 55 Rating, Add	707.88	
		For Class 56 Rating, Add	938.75	
40 05 19 00-0632	EA	6" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,742.18	364.18
		For Class 52 Rating, Deduct	-350.94	
		For Class 54 Rating, Add	485.18	
		For Class 55 Rating, Add	724.70	
		For Class 56 Rating, Add	961.03	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0633	EA		6" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,822.20	367.55
			For Class 52 Rating, Deduct	-359.18	
			For Class 54 Rating, Add	496.48	
			For Class 55 Rating, Add	741.53	
			For Class 56 Rating, Add	983.31	
40 05 19 00-0634	EA		6" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,902.21	370.92
			For Class 52 Rating, Deduct	-367.42	
			For Class 54 Rating, Add	507.78	
			For Class 55 Rating, Add	758.35	
			For Class 56 Rating, Add	1,005.59	
40 05 19 00-0635 8" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0554)					
40 05 19 00-0636	EA		8" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,190.98	310.22
			For Class 52 Rating, Deduct	-79.30	
			For Class 54 Rating, Add	113.78	
			For Class 55 Rating, Add	172.05	
			For Class 56 Rating, Add	229.60	
40 05 19 00-0637	EA		8" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,299.08	313.60
			For Class 52 Rating, Deduct	-90.63	
			For Class 54 Rating, Add	129.29	
			For Class 55 Rating, Add	195.14	
			For Class 56 Rating, Add	260.16	
40 05 19 00-0638	EA		8" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,407.19	316.97
			For Class 52 Rating, Deduct	-101.96	
			For Class 54 Rating, Add	144.80	
			For Class 55 Rating, Add	218.23	
			For Class 56 Rating, Add	290.73	
40 05 19 00-0639	EA		8" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,515.29	320.34
			For Class 52 Rating, Deduct	-113.29	
			For Class 54 Rating, Add	160.31	
			For Class 55 Rating, Add	241.32	
			For Class 56 Rating, Add	321.30	
40 05 19 00-0640	EA		8" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,623.39	323.72
			For Class 52 Rating, Deduct	-124.62	
			For Class 54 Rating, Add	175.82	
			For Class 55 Rating, Add	264.41	
			For Class 56 Rating, Add	351.87	
40 05 19 00-0641	EA		8" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,731.48	327.09
			For Class 52 Rating, Deduct	-135.95	
			For Class 54 Rating, Add	191.33	
			For Class 55 Rating, Add	287.50	
			For Class 56 Rating, Add	382.43	
40 05 19 00-0642	EA		8" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,839.59	330.46
			For Class 52 Rating, Deduct	-147.28	
			For Class 54 Rating, Add	206.84	
			For Class 55 Rating, Add	310.59	
			For Class 56 Rating, Add	413.00	
40 05 19 00-0643	EA		8" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,947.69	333.84
			For Class 52 Rating, Deduct	-158.61	
			For Class 54 Rating, Add	222.35	
			For Class 55 Rating, Add	333.68	
			For Class 56 Rating, Add	443.56	
40 05 19 00-0644	EA		8" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,055.80	337.21
			For Class 52 Rating, Deduct	-169.94	
			For Class 54 Rating, Add	237.86	
			For Class 55 Rating, Add	356.77	
			For Class 56 Rating, Add	474.13	
40 05 19 00-0645	EA		8" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,163.90	340.58
			For Class 52 Rating, Deduct	-181.27	
			For Class 54 Rating, Add	253.37	
			For Class 55 Rating, Add	379.86	
			For Class 56 Rating, Add	504.70	
40 05 19 00-0646	EA		8" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,271.99	343.95
			For Class 52 Rating, Deduct	-192.59	
			For Class 54 Rating, Add	268.88	
			For Class 55 Rating, Add	402.95	
			For Class 56 Rating, Add	535.26	
40 05 19 00-0647	EA		8" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,380.10	347.32
			For Class 52 Rating, Deduct	-203.92	
			For Class 54 Rating, Add	284.39	
			For Class 55 Rating, Add	426.04	
			For Class 56 Rating, Add	565.83	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

40 05 19 00-0648	EA	8" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	2,488.19	350.69
		For Class 52 Rating, Deduct	-215.25	
		For Class 54 Rating, Add	299.90	
		For Class 55 Rating, Add	449.13	
		For Class 56 Rating, Add	596.40	
40 05 19 00-0649	EA	8" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	2,596.29	354.07
		For Class 52 Rating, Deduct	-226.58	
		For Class 54 Rating, Add	315.41	
		For Class 55 Rating, Add	472.22	
		For Class 56 Rating, Add	626.96	
40 05 19 00-0650	EA	8" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	2,704.40	357.44
		For Class 52 Rating, Deduct	-237.91	
		For Class 54 Rating, Add	330.92	
		For Class 55 Rating, Add	495.31	
		For Class 56 Rating, Add	657.53	
40 05 19 00-0651	EA	8" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	2,812.50	360.81
		For Class 52 Rating, Deduct	-249.24	
		For Class 54 Rating, Add	346.43	
		For Class 55 Rating, Add	518.40	
		For Class 56 Rating, Add	688.10	
40 05 19 00-0652	EA	8" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	2,920.59	364.18
		For Class 52 Rating, Deduct	-260.57	
		For Class 54 Rating, Add	361.94	
		For Class 55 Rating, Add	541.49	
		For Class 56 Rating, Add	718.66	
40 05 19 00-0653	EA	8" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	3,028.70	367.55
		For Class 52 Rating, Deduct	-271.90	
		For Class 54 Rating, Add	377.45	
		For Class 55 Rating, Add	564.58	
		For Class 56 Rating, Add	749.23	
40 05 19 00-0654	EA	8" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	3,136.79	370.92
		For Class 52 Rating, Deduct	-283.23	
		For Class 54 Rating, Add	392.96	
		For Class 55 Rating, Add	587.67	
		For Class 56 Rating, Add	779.80	
40 05 19 00-0655	EA	8" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	3,244.90	374.30
		For Class 52 Rating, Deduct	-294.56	
		For Class 54 Rating, Add	408.47	
		For Class 55 Rating, Add	610.76	
		For Class 56 Rating, Add	810.36	
40 05 19 00-0656	EA	8" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	3,353.01	377.67
		For Class 52 Rating, Deduct	-305.89	
		For Class 54 Rating, Add	423.98	
		For Class 55 Rating, Add	633.85	
		For Class 56 Rating, Add	840.93	
40 05 19 00-0657	EA	8" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	3,461.10	381.04
		For Class 52 Rating, Deduct	-317.21	
		For Class 54 Rating, Add	439.49	
		For Class 55 Rating, Add	656.94	
		For Class 56 Rating, Add	871.50	
40 05 19 00-0658	EA	8" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	3,569.21	384.41
		For Class 52 Rating, Deduct	-328.54	
		For Class 54 Rating, Add	455.00	
		For Class 55 Rating, Add	680.03	
		For Class 56 Rating, Add	902.06	
40 05 19 00-0659	EA	8" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	3,677.30	387.78
		For Class 52 Rating, Deduct	-339.87	
		For Class 54 Rating, Add	470.51	
		For Class 55 Rating, Add	703.12	
		For Class 56 Rating, Add	932.63	
40 05 19 00-0660	EA	8" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	3,785.41	391.15
		For Class 52 Rating, Deduct	-351.20	
		For Class 54 Rating, Add	486.02	
		For Class 55 Rating, Add	726.21	
		For Class 56 Rating, Add	963.19	
40 05 19 00-0661	EA	8" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	3,893.50	394.53
		For Class 52 Rating, Deduct	-362.53	
		For Class 54 Rating, Add	501.53	
		For Class 55 Rating, Add	749.29	
		For Class 56 Rating, Add	993.76	
40 05 19 00-0662	EA	8" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	4,001.61	397.90
		For Class 52 Rating, Deduct	-373.86	
		For Class 54 Rating, Add	517.04	
		For Class 55 Rating, Add	772.39	
		For Class 56 Rating, Add	1,024.33	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0663	EA	8"	Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add For Class 56 Rating, Add	4,109.71 -385.19 532.55 795.48 1,054.90	401.27
40 05 19 00-0664	EA	8"	Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add For Class 56 Rating, Add	4,217.81 -396.52 548.06 818.56 1,085.46	404.64
40 05 19 00-0665	EA	8"	Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add For Class 56 Rating, Add	4,325.90 -407.85 563.57 841.65 1,116.03	408.01
40 05 19 00-0666	EA	8"	Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add For Class 56 Rating, Add	4,434.01 -419.18 579.08 864.74 1,146.59	411.38
40 05 19 00-0667	EA	8"	Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add For Class 56 Rating, Add	4,542.10 -430.50 594.59 887.63 1,177.16	414.77
40 05 19 00-0668	EA	8"	Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add For Class 56 Rating, Add	4,650.21 -441.83 610.10 910.92 1,207.73	418.14
40 05 19 00-0669	EA	8"	Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add For Class 56 Rating, Add	4,758.32 -453.16 625.61 934.01 1,238.29	421.51
40 05 19 00-0670	EA	8"	Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add For Class 56 Rating, Add	4,866.41 -464.49 641.12 957.10 1,268.86	424.88
40 05 19 00-0671	EA	8"	Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add For Class 56 Rating, Add	4,974.52 -475.82 656.63 980.19 1,299.43	428.25
40 05 19 00-0672	EA	8"	Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add For Class 56 Rating, Add	5,082.61 -487.15 672.14 1,003.28 1,329.99	431.62
40 05 19 00-0673	EA	8"	Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add For Class 56 Rating, Add	5,190.71 -498.48 687.65 1,026.37 1,360.56	435.00
40 05 19 00-0674	EA	8"	Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add For Class 56 Rating, Add	5,298.82 -509.81 703.16 1,049.46 1,391.13	438.37
40 05 19 00-0675			10" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0554)		
40 05 19 00-0676	EA	10"	Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add For Class 56 Rating, Add	1,494.47 -101.45 145.20 219.39 292.66	377.67
40 05 19 00-0677	EA	10"	Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add For Class 56 Rating, Add	1,635.34 -116.38 165.63 249.79 332.90	381.04

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-0678	EA	10" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,776.22	384.41
		For Class 52 Rating, Deduct	-131.31	
		For Class 54 Rating, Add	186.05	
		For Class 55 Rating, Add	280.19	
		For Class 56 Rating, Add	373.13	
40 05 19 00-0679	EA	10" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,917.08	387.78
		For Class 52 Rating, Deduct	-146.25	
		For Class 54 Rating, Add	206.48	
		For Class 55 Rating, Add	310.59	
		For Class 56 Rating, Add	413.36	
40 05 19 00-0680	EA	10" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,057.96	391.15
		For Class 52 Rating, Deduct	-161.18	
		For Class 54 Rating, Add	226.91	
		For Class 55 Rating, Add	340.98	
		For Class 56 Rating, Add	453.60	
40 05 19 00-0681	EA	10" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,198.82	394.53
		For Class 52 Rating, Deduct	-176.12	
		For Class 54 Rating, Add	247.33	
		For Class 55 Rating, Add	371.38	
		For Class 56 Rating, Add	493.83	
40 05 19 00-0682	EA	10" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,339.69	397.90
		For Class 52 Rating, Deduct	-191.05	
		For Class 54 Rating, Add	267.76	
		For Class 55 Rating, Add	401.78	
		For Class 56 Rating, Add	534.06	
40 05 19 00-0683	EA	10" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,480.57	401.27
		For Class 52 Rating, Deduct	-205.98	
		For Class 54 Rating, Add	288.18	
		For Class 55 Rating, Add	432.18	
		For Class 56 Rating, Add	574.30	
40 05 19 00-0684	EA	10" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,621.44	404.64
		For Class 52 Rating, Deduct	-220.92	
		For Class 54 Rating, Add	308.61	
		For Class 55 Rating, Add	462.57	
		For Class 56 Rating, Add	614.53	
40 05 19 00-0685	EA	10" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,762.30	408.01
		For Class 52 Rating, Deduct	-235.85	
		For Class 54 Rating, Add	329.03	
		For Class 55 Rating, Add	492.97	
		For Class 56 Rating, Add	654.76	
40 05 19 00-0686	EA	10" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,903.18	411.38
		For Class 52 Rating, Deduct	-250.78	
		For Class 54 Rating, Add	349.46	
		For Class 55 Rating, Add	523.37	
		For Class 56 Rating, Add	695.00	
40 05 19 00-0687	EA	10" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,044.04	414.77
		For Class 52 Rating, Deduct	-265.72	
		For Class 54 Rating, Add	369.88	
		For Class 55 Rating, Add	553.77	
		For Class 56 Rating, Add	735.23	
40 05 19 00-0688	EA	10" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,184.91	418.14
		For Class 52 Rating, Deduct	-280.65	
		For Class 54 Rating, Add	390.31	
		For Class 55 Rating, Add	584.16	
		For Class 56 Rating, Add	775.46	
40 05 19 00-0689	EA	10" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,325.80	421.51
		For Class 52 Rating, Deduct	-295.59	
		For Class 54 Rating, Add	410.74	
		For Class 55 Rating, Add	614.56	
		For Class 56 Rating, Add	815.70	
40 05 19 00-0690	EA	10" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,466.66	424.88
		For Class 52 Rating, Deduct	-310.52	
		For Class 54 Rating, Add	431.16	
		For Class 55 Rating, Add	644.96	
		For Class 56 Rating, Add	855.93	
40 05 19 00-0691	EA	10" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,607.54	428.25
		For Class 52 Rating, Deduct	-325.45	
		For Class 54 Rating, Add	451.59	
		For Class 55 Rating, Add	675.36	
		For Class 56 Rating, Add	896.17	
40 05 19 00-0692	EA	10" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,748.40	431.62
		For Class 52 Rating, Deduct	-340.39	
		For Class 54 Rating, Add	472.01	
		For Class 55 Rating, Add	705.75	
		For Class 56 Rating, Add	936.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0693	EA		10" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,889.27	435.00
			For Class 52 Rating, Deduct	-355.32	
			For Class 54 Rating, Add	492.44	
			For Class 55 Rating, Add	736.15	
			For Class 56 Rating, Add	976.63	
40 05 19 00-0694	EA		10" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,030.15	438.37
			For Class 52 Rating, Deduct	-370.26	
			For Class 54 Rating, Add	512.86	
			For Class 55 Rating, Add	766.55	
			For Class 56 Rating, Add	1,016.87	
40 05 19 00-0695	EA		10" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,171.02	441.74
			For Class 52 Rating, Deduct	-385.19	
			For Class 54 Rating, Add	533.29	
			For Class 55 Rating, Add	796.95	
			For Class 56 Rating, Add	1,057.10	
40 05 19 00-0696	EA		10" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,311.89	445.11
			For Class 52 Rating, Deduct	-400.12	
			For Class 54 Rating, Add	553.71	
			For Class 55 Rating, Add	827.34	
			For Class 56 Rating, Add	1,097.34	
40 05 19 00-0697	EA		10" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,452.76	448.48
			For Class 52 Rating, Deduct	-415.06	
			For Class 54 Rating, Add	574.14	
			For Class 55 Rating, Add	857.74	
			For Class 56 Rating, Add	1,137.57	
40 05 19 00-0698	EA		10" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,593.62	451.85
			For Class 52 Rating, Deduct	-429.99	
			For Class 54 Rating, Add	594.57	
			For Class 55 Rating, Add	888.14	
			For Class 56 Rating, Add	1,177.80	
40 05 19 00-0699	EA		10" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,734.50	455.23
			For Class 52 Rating, Deduct	-444.92	
			For Class 54 Rating, Add	614.99	
			For Class 55 Rating, Add	918.54	
			For Class 56 Rating, Add	1,218.03	
40 05 19 00-0700	EA		10" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,875.38	458.60
			For Class 52 Rating, Deduct	-459.86	
			For Class 54 Rating, Add	635.42	
			For Class 55 Rating, Add	948.93	
			For Class 56 Rating, Add	1,258.27	
40 05 19 00-0701	EA		10" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,016.24	461.97
			For Class 52 Rating, Deduct	-474.79	
			For Class 54 Rating, Add	655.84	
			For Class 55 Rating, Add	979.33	
			For Class 56 Rating, Add	1,298.50	
40 05 19 00-0702	EA		10" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,157.12	465.34
			For Class 52 Rating, Deduct	-489.73	
			For Class 54 Rating, Add	676.27	
			For Class 55 Rating, Add	1,009.73	
			For Class 56 Rating, Add	1,338.74	
40 05 19 00-0703	EA		10" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,297.98	468.71
			For Class 52 Rating, Deduct	-504.66	
			For Class 54 Rating, Add	696.69	
			For Class 55 Rating, Add	1,040.13	
			For Class 56 Rating, Add	1,378.97	
40 05 19 00-0704	EA		10" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,438.85	472.08
			For Class 52 Rating, Deduct	-519.59	
			For Class 54 Rating, Add	717.12	
			For Class 55 Rating, Add	1,070.52	
			For Class 56 Rating, Add	1,419.20	
40 05 19 00-0705	EA		10" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,579.72	475.46
			For Class 52 Rating, Deduct	-534.53	
			For Class 54 Rating, Add	737.54	
			For Class 55 Rating, Add	1,100.92	
			For Class 56 Rating, Add	1,459.44	
40 05 19 00-0706	EA		10" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,720.60	478.83
			For Class 52 Rating, Deduct	-549.46	
			For Class 54 Rating, Add	757.97	
			For Class 55 Rating, Add	1,131.32	
			For Class 56 Rating, Add	1,499.67	
40 05 19 00-0707	EA		10" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,861.47	482.20
			For Class 52 Rating, Deduct	-564.39	
			For Class 54 Rating, Add	778.40	
			For Class 55 Rating, Add	1,161.72	
			For Class 56 Rating, Add	1,539.91	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-0708	EA	10" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,002.34	485.57
		For Class 52 Rating, Deduct	-579.33	
		For Class 54 Rating, Add	798.82	
		For Class 55 Rating, Add	1,192.11	
		For Class 56 Rating, Add	1,580.14	
40 05 19 00-0709	EA	10" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,143.20	488.94
		For Class 52 Rating, Deduct	-594.26	
		For Class 54 Rating, Add	819.25	
		For Class 55 Rating, Add	1,222.51	
		For Class 56 Rating, Add	1,620.37	
40 05 19 00-0710	EA	10" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,284.08	492.31
		For Class 52 Rating, Deduct	-609.20	
		For Class 54 Rating, Add	839.67	
		For Class 55 Rating, Add	1,252.91	
		For Class 56 Rating, Add	1,660.61	
40 05 19 00-0711	EA	10" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,424.95	495.69
		For Class 52 Rating, Deduct	-624.13	
		For Class 54 Rating, Add	860.10	
		For Class 55 Rating, Add	1,283.31	
		For Class 56 Rating, Add	1,700.84	
40 05 19 00-0712	EA	10" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,565.83	499.06
		For Class 52 Rating, Deduct	-639.06	
		For Class 54 Rating, Add	880.52	
		For Class 55 Rating, Add	1,313.70	
		For Class 56 Rating, Add	1,741.07	
40 05 19 00-0713	EA	10" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,706.70	502.43
		For Class 52 Rating, Deduct	-654.00	
		For Class 54 Rating, Add	900.95	
		For Class 55 Rating, Add	1,344.10	
		For Class 56 Rating, Add	1,781.31	
40 05 19 00-0714	EA	10" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,847.56	505.81
		For Class 52 Rating, Deduct	-668.93	
		For Class 54 Rating, Add	921.37	
		For Class 55 Rating, Add	1,374.50	
		For Class 56 Rating, Add	1,821.54	

40 05 19 00-0715 12" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe

(40 05 19 00-0554)

40 05 19 00-0716	EA	12" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,937.14	472.08
		For Class 52 Rating, Deduct	-134.40	
		For Class 54 Rating, Add	191.86	
		For Class 55 Rating, Add	289.64	
		For Class 56 Rating, Add	386.20	
40 05 19 00-0717	EA	12" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,113.12	475.46
		For Class 52 Rating, Deduct	-153.20	
		For Class 54 Rating, Add	217.55	
		For Class 55 Rating, Add	327.87	
		For Class 56 Rating, Add	436.79	
40 05 19 00-0718	EA	12" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,289.10	478.83
		For Class 52 Rating, Deduct	-172.00	
		For Class 54 Rating, Add	243.25	
		For Class 55 Rating, Add	366.09	
		For Class 56 Rating, Add	487.38	
40 05 19 00-0719	EA	12" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,465.08	482.20
		For Class 52 Rating, Deduct	-190.79	
		For Class 54 Rating, Add	268.94	
		For Class 55 Rating, Add	404.32	
		For Class 56 Rating, Add	537.97	
40 05 19 00-0720	EA	12" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,641.07	485.57
		For Class 52 Rating, Deduct	-209.59	
		For Class 54 Rating, Add	294.63	
		For Class 55 Rating, Add	442.55	
		For Class 56 Rating, Add	588.56	
40 05 19 00-0721	EA	12" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,817.04	488.94
		For Class 52 Rating, Deduct	-228.38	
		For Class 54 Rating, Add	320.32	
		For Class 55 Rating, Add	480.78	
		For Class 56 Rating, Add	639.15	
40 05 19 00-0722	EA	12" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,993.03	492.31
		For Class 52 Rating, Deduct	-247.18	
		For Class 54 Rating, Add	346.01	
		For Class 55 Rating, Add	519.00	
		For Class 56 Rating, Add	689.75	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0723	EA		12" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	3,169.00	495.69
			For Class 52 Rating, Deduct	-265.98	
			For Class 54 Rating, Add	371.71	
			For Class 55 Rating, Add	557.23	
			For Class 56 Rating, Add	740.34	
40 05 19 00-0724	EA		12" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	3,345.00	499.06
			For Class 52 Rating, Deduct	-284.77	
			For Class 54 Rating, Add	397.40	
			For Class 55 Rating, Add	595.46	
			For Class 56 Rating, Add	790.93	
40 05 19 00-0725	EA		12" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	3,520.98	502.43
			For Class 52 Rating, Deduct	-303.57	
			For Class 54 Rating, Add	423.09	
			For Class 55 Rating, Add	633.69	
			For Class 56 Rating, Add	841.52	
40 05 19 00-0726	EA		12" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	3,696.95	505.81
			For Class 52 Rating, Deduct	-322.36	
			For Class 54 Rating, Add	448.78	
			For Class 55 Rating, Add	671.91	
			For Class 56 Rating, Add	892.11	
40 05 19 00-0727	EA		12" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	3,872.94	509.18
			For Class 52 Rating, Deduct	-341.16	
			For Class 54 Rating, Add	474.48	
			For Class 55 Rating, Add	710.14	
			For Class 56 Rating, Add	942.70	
40 05 19 00-0728	EA		12" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	4,048.92	512.55
			For Class 52 Rating, Deduct	-359.96	
			For Class 54 Rating, Add	500.17	
			For Class 55 Rating, Add	748.37	
			For Class 56 Rating, Add	993.29	
40 05 19 00-0729	EA		12" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	4,224.90	515.93
			For Class 52 Rating, Deduct	-378.75	
			For Class 54 Rating, Add	525.86	
			For Class 55 Rating, Add	786.59	
			For Class 56 Rating, Add	1,043.89	
40 05 19 00-0730	EA		12" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	4,400.88	519.30
			For Class 52 Rating, Deduct	-397.55	
			For Class 54 Rating, Add	551.55	
			For Class 55 Rating, Add	824.62	
			For Class 56 Rating, Add	1,094.48	
40 05 19 00-0731	EA		12" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	4,576.86	522.67
			For Class 52 Rating, Deduct	-416.34	
			For Class 54 Rating, Add	577.24	
			For Class 55 Rating, Add	863.05	
			For Class 56 Rating, Add	1,145.07	
40 05 19 00-0732	EA		12" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	4,752.84	526.04
			For Class 52 Rating, Deduct	-435.14	
			For Class 54 Rating, Add	602.94	
			For Class 55 Rating, Add	901.28	
			For Class 56 Rating, Add	1,195.66	
40 05 19 00-0733	EA		12" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	4,928.83	529.41
			For Class 52 Rating, Deduct	-453.94	
			For Class 54 Rating, Add	628.63	
			For Class 55 Rating, Add	939.50	
			For Class 56 Rating, Add	1,246.25	
40 05 19 00-0734	EA		12" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	5,104.80	532.78
			For Class 52 Rating, Deduct	-472.73	
			For Class 54 Rating, Add	654.32	
			For Class 55 Rating, Add	977.73	
			For Class 56 Rating, Add	1,296.84	
40 05 19 00-0735	EA		12" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	5,280.79	536.16
			For Class 52 Rating, Deduct	-491.53	
			For Class 54 Rating, Add	680.01	
			For Class 55 Rating, Add	1,015.96	
			For Class 56 Rating, Add	1,347.43	
40 05 19 00-0736	EA		12" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	5,456.77	539.53
			For Class 52 Rating, Deduct	-510.32	
			For Class 54 Rating, Add	705.71	
			For Class 55 Rating, Add	1,054.19	
			For Class 56 Rating, Add	1,398.03	
40 05 19 00-0737	EA		12" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	5,632.75	542.90
			For Class 52 Rating, Deduct	-529.12	
			For Class 54 Rating, Add	731.40	
			For Class 55 Rating, Add	1,092.41	
			For Class 56 Rating, Add	1,448.62	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-0738	EA	12" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,808.74	546.27
		For Class 52 Rating, Deduct	-547.92	
		For Class 54 Rating, Add	757.09	
		For Class 55 Rating, Add	1,130.64	
		For Class 56 Rating, Add	1,499.21	
40 05 19 00-0739	EA	12" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,984.71	549.64
		For Class 52 Rating, Deduct	-566.71	
		For Class 54 Rating, Add	782.78	
		For Class 55 Rating, Add	1,168.87	
		For Class 56 Rating, Add	1,549.80	
40 05 19 00-0740	EA	12" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,160.71	553.01
		For Class 52 Rating, Deduct	-585.51	
		For Class 54 Rating, Add	808.47	
		For Class 55 Rating, Add	1,207.09	
		For Class 56 Rating, Add	1,600.39	
40 05 19 00-0741	EA	12" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,336.68	556.39
		For Class 52 Rating, Deduct	-604.30	
		For Class 54 Rating, Add	834.17	
		For Class 55 Rating, Add	1,245.32	
		For Class 56 Rating, Add	1,650.98	
40 05 19 00-0742	EA	12" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,512.66	559.76
		For Class 52 Rating, Deduct	-623.10	
		For Class 54 Rating, Add	859.86	
		For Class 55 Rating, Add	1,283.55	
		For Class 56 Rating, Add	1,701.57	
40 05 19 00-0743	EA	12" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,688.65	563.13
		For Class 52 Rating, Deduct	-641.90	
		For Class 54 Rating, Add	885.55	
		For Class 55 Rating, Add	1,321.78	
		For Class 56 Rating, Add	1,752.17	
40 05 19 00-0744	EA	12" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,864.63	566.50
		For Class 52 Rating, Deduct	-660.69	
		For Class 54 Rating, Add	911.24	
		For Class 55 Rating, Add	1,360.00	
		For Class 56 Rating, Add	1,802.76	
40 05 19 00-0745	EA	12" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,040.60	569.87
		For Class 52 Rating, Deduct	-679.49	
		For Class 54 Rating, Add	936.94	
		For Class 55 Rating, Add	1,398.23	
		For Class 56 Rating, Add	1,853.35	
40 05 19 00-0746	EA	12" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,216.59	573.24
		For Class 52 Rating, Deduct	-698.28	
		For Class 54 Rating, Add	962.63	
		For Class 55 Rating, Add	1,436.46	
		For Class 56 Rating, Add	1,903.94	
40 05 19 00-0747	EA	12" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,392.57	576.62
		For Class 52 Rating, Deduct	-717.08	
		For Class 54 Rating, Add	988.32	
		For Class 55 Rating, Add	1,474.68	
		For Class 56 Rating, Add	1,954.53	
40 05 19 00-0748	EA	12" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,568.55	579.99
		For Class 52 Rating, Deduct	-735.88	
		For Class 54 Rating, Add	1,014.01	
		For Class 55 Rating, Add	1,512.91	
		For Class 56 Rating, Add	2,005.12	
40 05 19 00-0749	EA	12" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,744.54	583.36
		For Class 52 Rating, Deduct	-754.67	
		For Class 54 Rating, Add	1,039.70	
		For Class 55 Rating, Add	1,551.14	
		For Class 56 Rating, Add	2,055.71	
40 05 19 00-0750	EA	12" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,920.51	586.73
		For Class 52 Rating, Deduct	-773.47	
		For Class 54 Rating, Add	1,065.40	
		For Class 55 Rating, Add	1,589.36	
		For Class 56 Rating, Add	2,106.30	
40 05 19 00-0751	EA	12" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,096.51	590.10
		For Class 52 Rating, Deduct	-792.26	
		For Class 54 Rating, Add	1,091.09	
		For Class 55 Rating, Add	1,627.59	
		For Class 56 Rating, Add	2,156.90	
40 05 19 00-0752	EA	12" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,272.48	593.47
		For Class 52 Rating, Deduct	-811.06	
		For Class 54 Rating, Add	1,116.78	
		For Class 55 Rating, Add	1,665.82	
		For Class 56 Rating, Add	2,207.49	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0753	EA		12" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,448.46	596.86
			For Class 52 Rating, Deduct	-829.86	
			For Class 54 Rating, Add	1,142.47	
			For Class 55 Rating, Add	1,704.05	
			For Class 56 Rating, Add	2,258.08	
40 05 19 00-0754	EA		12" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,624.44	600.23
			For Class 52 Rating, Deduct	-848.65	
			For Class 54 Rating, Add	1,168.16	
			For Class 55 Rating, Add	1,742.27	
			For Class 56 Rating, Add	2,308.67	
40 05 19 00-0755 14" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0554)					
40 05 19 00-0756	EA		14" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,684.10	566.50
			For Class 52 Rating, Deduct	-200.83	
			For Class 54 Rating, Add	284.16	
			For Class 55 Rating, Add	427.74	
			For Class 56 Rating, Add	569.50	
40 05 19 00-0757	EA		14" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,897.53	569.87
			For Class 52 Rating, Deduct	-223.75	
			For Class 54 Rating, Add	315.47	
			For Class 55 Rating, Add	474.32	
			For Class 56 Rating, Add	631.14	
40 05 19 00-0758	EA		14" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,110.97	573.24
			For Class 52 Rating, Deduct	-246.67	
			For Class 54 Rating, Add	346.78	
			For Class 55 Rating, Add	520.90	
			For Class 56 Rating, Add	692.78	
40 05 19 00-0759	EA		14" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,324.39	576.62
			For Class 52 Rating, Deduct	-269.58	
			For Class 54 Rating, Add	378.09	
			For Class 55 Rating, Add	567.48	
			For Class 56 Rating, Add	754.42	
40 05 19 00-0760	EA		14" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,537.83	579.99
			For Class 52 Rating, Deduct	-292.50	
			For Class 54 Rating, Add	409.40	
			For Class 55 Rating, Add	614.06	
			For Class 56 Rating, Add	816.06	
40 05 19 00-0761	EA		14" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,751.27	583.36
			For Class 52 Rating, Deduct	-315.41	
			For Class 54 Rating, Add	440.71	
			For Class 55 Rating, Add	660.64	
			For Class 56 Rating, Add	877.70	
40 05 19 00-0762	EA		14" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,964.70	586.73
			For Class 52 Rating, Deduct	-338.33	
			For Class 54 Rating, Add	472.02	
			For Class 55 Rating, Add	707.22	
			For Class 56 Rating, Add	939.34	
40 05 19 00-0763	EA		14" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,178.14	590.10
			For Class 52 Rating, Deduct	-361.24	
			For Class 54 Rating, Add	503.33	
			For Class 55 Rating, Add	753.80	
			For Class 56 Rating, Add	1,000.98	
40 05 19 00-0764	EA		14" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,391.56	593.47
			For Class 52 Rating, Deduct	-384.16	
			For Class 54 Rating, Add	534.64	
			For Class 55 Rating, Add	800.38	
			For Class 56 Rating, Add	1,062.61	
40 05 19 00-0765	EA		14" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,605.00	596.86
			For Class 52 Rating, Deduct	-407.07	
			For Class 54 Rating, Add	565.95	
			For Class 55 Rating, Add	846.96	
			For Class 56 Rating, Add	1,124.26	
40 05 19 00-0766	EA		14" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,818.43	600.23
			For Class 52 Rating, Deduct	-429.99	
			For Class 54 Rating, Add	597.26	
			For Class 55 Rating, Add	893.53	
			For Class 56 Rating, Add	1,185.89	
40 05 19 00-0767	EA		14" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,031.87	603.60
			For Class 52 Rating, Deduct	-452.91	
			For Class 54 Rating, Add	628.57	
			For Class 55 Rating, Add	940.11	
			For Class 56 Rating, Add	1,247.54	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-0768	EA	14" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	5,245.30	606.97
		For Class 52 Rating, Deduct	-475.82	
		For Class 54 Rating, Add	659.88	
		For Class 55 Rating, Add	986.69	
		For Class 56 Rating, Add	1,309.17	
40 05 19 00-0769	EA	14" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	5,458.73	610.34
		For Class 52 Rating, Deduct	-498.74	
		For Class 54 Rating, Add	691.19	
		For Class 55 Rating, Add	1,033.27	
		For Class 56 Rating, Add	1,370.81	
40 05 19 00-0770	EA	14" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	5,672.16	613.71
		For Class 52 Rating, Deduct	-521.65	
		For Class 54 Rating, Add	722.50	
		For Class 55 Rating, Add	1,079.85	
		For Class 56 Rating, Add	1,432.45	
40 05 19 00-0771	EA	14" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	5,885.60	617.09
		For Class 52 Rating, Deduct	-544.57	
		For Class 54 Rating, Add	753.81	
		For Class 55 Rating, Add	1,126.43	
		For Class 56 Rating, Add	1,494.09	
40 05 19 00-0772	EA	14" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	6,099.03	620.46
		For Class 52 Rating, Deduct	-567.48	
		For Class 54 Rating, Add	785.12	
		For Class 55 Rating, Add	1,173.01	
		For Class 56 Rating, Add	1,555.73	
40 05 19 00-0773	EA	14" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	6,312.46	623.83
		For Class 52 Rating, Deduct	-590.40	
		For Class 54 Rating, Add	816.43	
		For Class 55 Rating, Add	1,219.59	
		For Class 56 Rating, Add	1,617.37	
40 05 19 00-0774	EA	14" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	6,525.91	627.20
		For Class 52 Rating, Deduct	-613.32	
		For Class 54 Rating, Add	847.74	
		For Class 55 Rating, Add	1,266.17	
		For Class 56 Rating, Add	1,679.01	
40 05 19 00-0775	EA	14" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	6,739.33	630.57
		For Class 52 Rating, Deduct	-636.23	
		For Class 54 Rating, Add	879.05	
		For Class 55 Rating, Add	1,312.74	
		For Class 56 Rating, Add	1,740.65	
40 05 19 00-0776	EA	14" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	6,952.76	633.94
		For Class 52 Rating, Deduct	-659.15	
		For Class 54 Rating, Add	910.36	
		For Class 55 Rating, Add	1,359.32	
		For Class 56 Rating, Add	1,802.29	
40 05 19 00-0777	EA	14" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	7,166.20	637.32
		For Class 52 Rating, Deduct	-682.06	
		For Class 54 Rating, Add	941.67	
		For Class 55 Rating, Add	1,405.90	
		For Class 56 Rating, Add	1,863.93	
40 05 19 00-0778	EA	14" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	7,379.63	640.69
		For Class 52 Rating, Deduct	-704.98	
		For Class 54 Rating, Add	972.98	
		For Class 55 Rating, Add	1,452.48	
		For Class 56 Rating, Add	1,925.57	
40 05 19 00-0779	EA	14" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	7,593.07	644.06
		For Class 52 Rating, Deduct	-727.89	
		For Class 54 Rating, Add	1,004.29	
		For Class 55 Rating, Add	1,499.06	
		For Class 56 Rating, Add	1,987.21	
40 05 19 00-0780	EA	14" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	7,806.50	647.43
		For Class 52 Rating, Deduct	-750.81	
		For Class 54 Rating, Add	1,035.60	
		For Class 55 Rating, Add	1,545.64	
		For Class 56 Rating, Add	2,048.85	
40 05 19 00-0781	EA	14" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	8,019.92	650.80
		For Class 52 Rating, Deduct	-773.72	
		For Class 54 Rating, Add	1,066.91	
		For Class 55 Rating, Add	1,592.22	
		For Class 56 Rating, Add	2,110.49	
40 05 19 00-0782	EA	14" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	8,233.37	654.17
		For Class 52 Rating, Deduct	-796.64	
		For Class 54 Rating, Add	1,098.22	
		For Class 55 Rating, Add	1,638.80	
		For Class 56 Rating, Add	2,172.13	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0783	EA	14" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,446.79	657.55
		For Class 52 Rating, Deduct	-819.56	
		For Class 54 Rating, Add	1,129.53	
		For Class 55 Rating, Add	1,685.37	
		For Class 56 Rating, Add	2,233.77	
40 05 19 00-0784	EA	14" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,660.24	660.92
		For Class 52 Rating, Deduct	-842.47	
		For Class 54 Rating, Add	1,160.84	
		For Class 55 Rating, Add	1,731.95	
		For Class 56 Rating, Add	2,295.41	
40 05 19 00-0785	EA	14" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,873.66	664.29
		For Class 52 Rating, Deduct	-865.39	
		For Class 54 Rating, Add	1,192.15	
		For Class 55 Rating, Add	1,778.53	
		For Class 56 Rating, Add	2,357.05	
40 05 19 00-0786	EA	14" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,087.09	667.66
		For Class 52 Rating, Deduct	-888.30	
		For Class 54 Rating, Add	1,223.46	
		For Class 55 Rating, Add	1,825.11	
		For Class 56 Rating, Add	2,418.68	
40 05 19 00-0787	EA	14" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,300.54	671.03
		For Class 52 Rating, Deduct	-911.22	
		For Class 54 Rating, Add	1,254.77	
		For Class 55 Rating, Add	1,871.69	
		For Class 56 Rating, Add	2,480.33	
40 05 19 00-0788	EA	14" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,513.96	674.41
		For Class 52 Rating, Deduct	-934.13	
		For Class 54 Rating, Add	1,286.08	
		For Class 55 Rating, Add	1,918.27	
		For Class 56 Rating, Add	2,541.96	
40 05 19 00-0789	EA	14" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,727.40	677.78
		For Class 52 Rating, Deduct	-957.05	
		For Class 54 Rating, Add	1,317.39	
		For Class 55 Rating, Add	1,964.85	
		For Class 56 Rating, Add	2,603.61	
40 05 19 00-0790	EA	14" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,940.83	681.15
		For Class 52 Rating, Deduct	-979.97	
		For Class 54 Rating, Add	1,348.70	
		For Class 55 Rating, Add	2,011.43	
		For Class 56 Rating, Add	2,665.24	
40 05 19 00-0791	EA	14" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,154.26	684.52
		For Class 52 Rating, Deduct	-1,002.88	
		For Class 54 Rating, Add	1,380.01	
		For Class 55 Rating, Add	2,058.01	
		For Class 56 Rating, Add	2,726.88	
40 05 19 00-0792	EA	14" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,367.69	687.90
		For Class 52 Rating, Deduct	-1,025.80	
		For Class 54 Rating, Add	1,411.32	
		For Class 55 Rating, Add	2,104.59	
		For Class 56 Rating, Add	2,788.52	
40 05 19 00-0793	EA	14" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,581.13	691.27
		For Class 52 Rating, Deduct	-1,048.71	
		For Class 54 Rating, Add	1,442.63	
		For Class 55 Rating, Add	2,151.16	
		For Class 56 Rating, Add	2,850.16	
40 05 19 00-0794		16" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0554)		
40 05 19 00-0795	EA	16" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,141.44	647.43
		For Class 52 Rating, Deduct	-237.65	
		For Class 54 Rating, Add	335.84	
		For Class 55 Rating, Add	505.33	
		For Class 56 Rating, Add	672.66	
40 05 19 00-0796	EA	16" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,389.98	650.80
		For Class 52 Rating, Deduct	-264.43	
		For Class 54 Rating, Add	372.42	
		For Class 55 Rating, Add	559.74	
		For Class 56 Rating, Add	744.65	
40 05 19 00-0797	EA	16" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,638.53	654.17
		For Class 52 Rating, Deduct	-291.21	
		For Class 54 Rating, Add	409.00	
		For Class 55 Rating, Add	614.15	
		For Class 56 Rating, Add	816.65	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-0798	EA	16" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,887.07	657.55
		For Class 52 Rating, Deduct	-317.99	
		For Class 54 Rating, Add	445.57	
		For Class 55 Rating, Add	668.56	
		For Class 56 Rating, Add	888.65	
40 05 19 00-0799	EA	16" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,135.62	660.92
		For Class 52 Rating, Deduct	-344.76	
		For Class 54 Rating, Add	482.15	
		For Class 55 Rating, Add	722.96	
		For Class 56 Rating, Add	960.65	
40 05 19 00-0800	EA	16" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,384.16	664.29
		For Class 52 Rating, Deduct	-371.54	
		For Class 54 Rating, Add	518.73	
		For Class 55 Rating, Add	777.37	
		For Class 56 Rating, Add	1,032.64	
40 05 19 00-0801	EA	16" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,632.70	667.66
		For Class 52 Rating, Deduct	-398.32	
		For Class 54 Rating, Add	555.30	
		For Class 55 Rating, Add	831.78	
		For Class 56 Rating, Add	1,104.64	
40 05 19 00-0802	EA	16" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,881.26	671.03
		For Class 52 Rating, Deduct	-425.10	
		For Class 54 Rating, Add	591.88	
		For Class 55 Rating, Add	886.19	
		For Class 56 Rating, Add	1,176.64	
40 05 19 00-0803	EA	16" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,129.79	674.41
		For Class 52 Rating, Deduct	-451.88	
		For Class 54 Rating, Add	628.46	
		For Class 55 Rating, Add	940.60	
		For Class 56 Rating, Add	1,248.63	
40 05 19 00-0804	EA	16" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,354.93	677.78
		For Class 52 Rating, Deduct	-476.08	
		For Class 54 Rating, Add	661.52	
		For Class 55 Rating, Add	989.79	
		For Class 56 Rating, Add	1,313.73	
40 05 19 00-0805	EA	16" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,626.88	681.15
		For Class 52 Rating, Deduct	-505.43	
		For Class 54 Rating, Add	701.61	
		For Class 55 Rating, Add	1,049.42	
		For Class 56 Rating, Add	1,392.63	
40 05 19 00-0806	EA	16" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,875.43	684.52
		For Class 52 Rating, Deduct	-532.21	
		For Class 54 Rating, Add	738.19	
		For Class 55 Rating, Add	1,103.83	
		For Class 56 Rating, Add	1,464.63	
40 05 19 00-0807	EA	16" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,123.96	687.90
		For Class 52 Rating, Deduct	-558.99	
		For Class 54 Rating, Add	774.76	
		For Class 55 Rating, Add	1,158.23	
		For Class 56 Rating, Add	1,536.62	
40 05 19 00-0808	EA	16" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,372.52	691.27
		For Class 52 Rating, Deduct	-585.77	
		For Class 54 Rating, Add	811.34	
		For Class 55 Rating, Add	1,212.64	
		For Class 56 Rating, Add	1,608.62	
40 05 19 00-0809	EA	16" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,621.05	694.65
		For Class 52 Rating, Deduct	-612.54	
		For Class 54 Rating, Add	847.92	
		For Class 55 Rating, Add	1,267.05	
		For Class 56 Rating, Add	1,680.62	
40 05 19 00-0810	EA	16" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,869.61	698.02
		For Class 52 Rating, Deduct	-639.32	
		For Class 54 Rating, Add	884.49	
		For Class 55 Rating, Add	1,321.46	
		For Class 56 Rating, Add	1,752.62	
40 05 19 00-0811	EA	16" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,118.14	701.39
		For Class 52 Rating, Deduct	-666.10	
		For Class 54 Rating, Add	921.07	
		For Class 55 Rating, Add	1,375.87	
		For Class 56 Rating, Add	1,824.61	
40 05 19 00-0812	EA	16" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,366.69	704.76
		For Class 52 Rating, Deduct	-692.88	
		For Class 54 Rating, Add	957.65	
		For Class 55 Rating, Add	1,430.28	
		For Class 56 Rating, Add	1,896.61	

MINOR		CSI UOM DESCRIPTION		TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
40 05 19 00-0813	EA	16" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron			
		Pipe		7,615.24	708.13
		For Class 52 Rating, Deduct		-719.65	
		For Class 54 Rating, Add		994.22	
		For Class 55 Rating, Add		1,484.69	
		For Class 56 Rating, Add		1,968.61	
40 05 19 00-0814	EA	16" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron			
		Pipe		7,863.78	711.50
		For Class 52 Rating, Deduct		-746.43	
		For Class 54 Rating, Add		1,030.80	
		For Class 55 Rating, Add		1,539.09	
		For Class 56 Rating, Add		2,040.61	
40 05 19 00-0815	EA	16" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron			
		Pipe		8,112.33	714.88
		For Class 52 Rating, Deduct		-773.21	
		For Class 54 Rating, Add		1,067.37	
		For Class 55 Rating, Add		1,593.50	
		For Class 56 Rating, Add		2,112.60	
40 05 19 00-0816	EA	16" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron			
		Pipe		8,360.87	718.25
		For Class 52 Rating, Deduct		-799.99	
		For Class 54 Rating, Add		1,103.95	
		For Class 55 Rating, Add		1,647.91	
		For Class 56 Rating, Add		2,184.60	
40 05 19 00-0817	EA	16" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron			
		Pipe		8,609.41	721.62
		For Class 52 Rating, Deduct		-826.77	
		For Class 54 Rating, Add		1,140.53	
		For Class 55 Rating, Add		1,702.32	
		For Class 56 Rating, Add		2,256.60	
40 05 19 00-0818	EA	16" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron			
		Pipe		8,857.96	724.99
		For Class 52 Rating, Deduct		-853.54	
		For Class 54 Rating, Add		1,177.11	
		For Class 55 Rating, Add		1,756.73	
		For Class 56 Rating, Add		2,328.59	
40 05 19 00-0819	EA	16" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron			
		Pipe		9,106.50	728.36
		For Class 52 Rating, Deduct		-880.32	
		For Class 54 Rating, Add		1,213.68	
		For Class 55 Rating, Add		1,811.14	
		For Class 56 Rating, Add		2,400.59	
40 05 19 00-0820	EA	16" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron			
		Pipe		9,355.04	731.73
		For Class 52 Rating, Deduct		-907.10	
		For Class 54 Rating, Add		1,250.26	
		For Class 55 Rating, Add		1,865.55	
		For Class 56 Rating, Add		2,472.59	
40 05 19 00-0821	EA	16" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron			
		Pipe		9,603.59	735.11
		For Class 52 Rating, Deduct		-933.88	
		For Class 54 Rating, Add		1,286.83	
		For Class 55 Rating, Add		1,919.95	
		For Class 56 Rating, Add		2,544.58	
40 05 19 00-0822	EA	16" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron			
		Pipe		9,852.13	738.48
		For Class 52 Rating, Deduct		-960.66	
		For Class 54 Rating, Add		1,323.41	
		For Class 55 Rating, Add		1,974.36	
		For Class 56 Rating, Add		2,616.58	
40 05 19 00-0823	EA	16" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron			
		Pipe		10,100.67	741.85
		For Class 52 Rating, Deduct		-987.43	
		For Class 54 Rating, Add		1,359.99	
		For Class 55 Rating, Add		2,028.77	
		For Class 56 Rating, Add		2,688.58	
40 05 19 00-0824	EA	16" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron			
		Pipe		10,349.22	745.22
		For Class 52 Rating, Deduct		-1,014.21	
		For Class 54 Rating, Add		1,396.56	
		For Class 55 Rating, Add		2,083.18	
		For Class 56 Rating, Add		2,760.58	
40 05 19 00-0825	EA	16" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron			
		Pipe		10,597.76	748.59
		For Class 52 Rating, Deduct		-1,040.99	
		For Class 54 Rating, Add		1,433.14	
		For Class 55 Rating, Add		2,137.59	
		For Class 56 Rating, Add		2,832.57	
40 05 19 00-0826	EA	16" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron			
		Pipe		10,846.32	751.96
		For Class 52 Rating, Deduct		-1,067.77	
		For Class 54 Rating, Add		1,469.72	
		For Class 55 Rating, Add		2,192.00	
		For Class 56 Rating, Add		2,904.57	
40 05 19 00-0827	EA	16" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron			
		Pipe		11,094.85	755.34
		For Class 52 Rating, Deduct		-1,094.54	
		For Class 54 Rating, Add		1,506.29	
		For Class 55 Rating, Add		2,246.41	
		For Class 56 Rating, Add		2,976.57	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-0828	EA	16" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,343.40	758.71
		For Class 52 Rating, Deduct	-1,121.32	
		For Class 54 Rating, Add	1,542.87	
		For Class 55 Rating, Add	2,300.82	
		For Class 56 Rating, Add	3,048.57	
40 05 19 00-0829	EA	16" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,591.94	762.08
		For Class 52 Rating, Deduct	-1,148.10	
		For Class 54 Rating, Add	1,579.45	
		For Class 55 Rating, Add	2,355.22	
		For Class 56 Rating, Add	3,120.56	
40 05 19 00-0830	EA	16" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,840.49	765.45
		For Class 52 Rating, Deduct	-1,174.88	
		For Class 54 Rating, Add	1,616.02	
		For Class 55 Rating, Add	2,409.63	
		For Class 56 Rating, Add	3,192.56	
40 05 19 00-0831	EA	16" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,089.03	768.82
		For Class 52 Rating, Deduct	-1,201.66	
		For Class 54 Rating, Add	1,652.60	
		For Class 55 Rating, Add	2,464.04	
		For Class 56 Rating, Add	3,264.56	
40 05 19 00-0832	EA	16" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,337.58	772.19
		For Class 52 Rating, Deduct	-1,228.43	
		For Class 54 Rating, Add	1,689.18	
		For Class 55 Rating, Add	2,518.45	
		For Class 56 Rating, Add	3,336.56	

40 05 19 00-0833 18" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe

(40 05 19 00-0554)

40 05 19 00-0834	EA	18" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,668.71	729.72
		For Class 52 Rating, Deduct	-281.94	
		For Class 54 Rating, Add	397.73	
		For Class 55 Rating, Add	598.10	
		For Class 56 Rating, Add	795.91	
40 05 19 00-0835	EA	18" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,954.70	733.09
		For Class 52 Rating, Deduct	-312.84	
		For Class 54 Rating, Add	439.92	
		For Class 55 Rating, Add	660.86	
		For Class 56 Rating, Add	878.96	
40 05 19 00-0836	EA	18" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,240.70	736.46
		For Class 52 Rating, Deduct	-343.73	
		For Class 54 Rating, Add	482.12	
		For Class 55 Rating, Add	723.62	
		For Class 56 Rating, Add	962.00	
40 05 19 00-0837	EA	18" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,526.70	739.83
		For Class 52 Rating, Deduct	-374.63	
		For Class 54 Rating, Add	524.31	
		For Class 55 Rating, Add	786.39	
		For Class 56 Rating, Add	1,045.05	
40 05 19 00-0838	EA	18" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,812.68	743.20
		For Class 52 Rating, Deduct	-405.53	
		For Class 54 Rating, Add	566.51	
		For Class 55 Rating, Add	849.14	
		For Class 56 Rating, Add	1,128.09	
40 05 19 00-0839	EA	18" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,098.69	746.58
		For Class 52 Rating, Deduct	-436.43	
		For Class 54 Rating, Add	608.70	
		For Class 55 Rating, Add	911.91	
		For Class 56 Rating, Add	1,211.14	
40 05 19 00-0840	EA	18" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,384.68	749.95
		For Class 52 Rating, Deduct	-467.33	
		For Class 54 Rating, Add	650.90	
		For Class 55 Rating, Add	974.67	
		For Class 56 Rating, Add	1,294.19	
40 05 19 00-0841	EA	18" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,670.68	753.32
		For Class 52 Rating, Deduct	-498.22	
		For Class 54 Rating, Add	693.09	
		For Class 55 Rating, Add	1,037.43	
		For Class 56 Rating, Add	1,377.23	
40 05 19 00-0842	EA	18" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,956.67	756.69
		For Class 52 Rating, Deduct	-529.12	
		For Class 54 Rating, Add	735.28	
		For Class 55 Rating, Add	1,100.19	
		For Class 56 Rating, Add	1,460.28	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0843	EA		18" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	6,242.67	760.06
			For Class 52 Rating, Deduct	-560.02	
			For Class 54 Rating, Add	777.48	
			For Class 55 Rating, Add	1,162.95	
			For Class 56 Rating, Add	1,543.32	
40 05 19 00-0844	EA		18" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	6,528.67	763.43
			For Class 52 Rating, Deduct	-590.91	
			For Class 54 Rating, Add	819.67	
			For Class 55 Rating, Add	1,225.71	
			For Class 56 Rating, Add	1,626.37	
40 05 19 00-0845	EA		18" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	6,814.66	766.81
			For Class 52 Rating, Deduct	-621.81	
			For Class 54 Rating, Add	861.87	
			For Class 55 Rating, Add	1,288.47	
			For Class 56 Rating, Add	1,709.41	
40 05 19 00-0846	EA		18" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	7,100.66	770.18
			For Class 52 Rating, Deduct	-652.71	
			For Class 54 Rating, Add	904.06	
			For Class 55 Rating, Add	1,351.23	
			For Class 56 Rating, Add	1,792.46	
40 05 19 00-0847	EA		18" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	7,386.65	773.55
			For Class 52 Rating, Deduct	-683.61	
			For Class 54 Rating, Add	946.26	
			For Class 55 Rating, Add	1,413.99	
			For Class 56 Rating, Add	1,875.50	
40 05 19 00-0848	EA		18" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	7,672.65	776.92
			For Class 52 Rating, Deduct	-714.51	
			For Class 54 Rating, Add	988.45	
			For Class 55 Rating, Add	1,476.75	
			For Class 56 Rating, Add	1,958.55	
40 05 19 00-0849	EA		18" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	7,958.64	780.29
			For Class 52 Rating, Deduct	-745.40	
			For Class 54 Rating, Add	1,030.64	
			For Class 55 Rating, Add	1,539.51	
			For Class 56 Rating, Add	2,041.59	
40 05 19 00-0850	EA		18" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	8,244.64	783.66
			For Class 52 Rating, Deduct	-776.30	
			For Class 54 Rating, Add	1,072.84	
			For Class 55 Rating, Add	1,602.27	
			For Class 56 Rating, Add	2,124.64	
40 05 19 00-0851	EA		18" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	8,530.63	787.04
			For Class 52 Rating, Deduct	-807.20	
			For Class 54 Rating, Add	1,115.03	
			For Class 55 Rating, Add	1,665.03	
			For Class 56 Rating, Add	2,207.69	
40 05 19 00-0852	EA		18" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	8,816.63	790.41
			For Class 52 Rating, Deduct	-838.09	
			For Class 54 Rating, Add	1,157.23	
			For Class 55 Rating, Add	1,727.79	
			For Class 56 Rating, Add	2,290.73	
40 05 19 00-0853	EA		18" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	9,102.62	793.79
			For Class 52 Rating, Deduct	-868.99	
			For Class 54 Rating, Add	1,199.42	
			For Class 55 Rating, Add	1,790.55	
			For Class 56 Rating, Add	2,373.78	
40 05 19 00-0854	EA		18" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	9,388.62	797.16
			For Class 52 Rating, Deduct	-899.89	
			For Class 54 Rating, Add	1,241.62	
			For Class 55 Rating, Add	1,653.31	
			For Class 56 Rating, Add	2,456.82	
40 05 19 00-0855	EA		18" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	9,674.62	800.53
			For Class 52 Rating, Deduct	-930.79	
			For Class 54 Rating, Add	1,283.81	
			For Class 55 Rating, Add	1,916.07	
			For Class 56 Rating, Add	2,539.87	
40 05 19 00-0856	EA		18" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	9,960.61	803.90
			For Class 52 Rating, Deduct	-961.68	
			For Class 54 Rating, Add	1,326.00	
			For Class 55 Rating, Add	1,978.83	
			For Class 56 Rating, Add	2,622.91	
40 05 19 00-0857	EA		18" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	10,246.62	807.28
			For Class 52 Rating, Deduct	-992.58	
			For Class 54 Rating, Add	1,368.20	
			For Class 55 Rating, Add	2,041.59	
			For Class 56 Rating, Add	2,705.96	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-0858	EA	18" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,532.60	810.65
		For Class 52 Rating, Deduct	-1,023.48	
		For Class 54 Rating, Add	1,410.39	
		For Class 55 Rating, Add	2,104.35	
		For Class 56 Rating, Add	2,789.00	
40 05 19 00-0859	EA	18" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,818.60	814.02
		For Class 52 Rating, Deduct	-1,054.38	
		For Class 54 Rating, Add	1,452.59	
		For Class 55 Rating, Add	2,167.11	
		For Class 56 Rating, Add	2,872.05	
40 05 19 00-0860	EA	18" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,104.59	817.39
		For Class 52 Rating, Deduct	-1,085.27	
		For Class 54 Rating, Add	1,494.78	
		For Class 55 Rating, Add	2,229.87	
		For Class 56 Rating, Add	2,955.09	
40 05 19 00-0861	EA	18" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,390.59	820.76
		For Class 52 Rating, Deduct	-1,116.17	
		For Class 54 Rating, Add	1,536.98	
		For Class 55 Rating, Add	2,292.63	
		For Class 56 Rating, Add	3,038.14	
40 05 19 00-0862	EA	18" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,676.58	824.13
		For Class 52 Rating, Deduct	-1,147.07	
		For Class 54 Rating, Add	1,579.17	
		For Class 55 Rating, Add	2,355.39	
		For Class 56 Rating, Add	3,121.19	
40 05 19 00-0863	EA	18" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,962.58	827.51
		For Class 52 Rating, Deduct	-1,177.97	
		For Class 54 Rating, Add	1,621.36	
		For Class 55 Rating, Add	2,418.15	
		For Class 56 Rating, Add	3,204.23	
40 05 19 00-0864	EA	18" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,248.57	830.88
		For Class 52 Rating, Deduct	-1,208.86	
		For Class 54 Rating, Add	1,663.56	
		For Class 55 Rating, Add	2,480.91	
		For Class 56 Rating, Add	3,287.28	
40 05 19 00-0865	EA	18" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,534.58	834.25
		For Class 52 Rating, Deduct	-1,239.76	
		For Class 54 Rating, Add	1,705.75	
		For Class 55 Rating, Add	2,543.67	
		For Class 56 Rating, Add	3,370.32	
40 05 19 00-0866	EA	18" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,820.56	837.62
		For Class 52 Rating, Deduct	-1,270.66	
		For Class 54 Rating, Add	1,747.95	
		For Class 55 Rating, Add	2,606.43	
		For Class 56 Rating, Add	3,453.37	
40 05 19 00-0867	EA	18" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,106.56	840.99
		For Class 52 Rating, Deduct	-1,301.56	
		For Class 54 Rating, Add	1,790.14	
		For Class 55 Rating, Add	2,669.19	
		For Class 56 Rating, Add	3,536.41	
40 05 19 00-0868	EA	18" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,392.57	844.36
		For Class 52 Rating, Deduct	-1,332.46	
		For Class 54 Rating, Add	1,832.34	
		For Class 55 Rating, Add	2,731.95	
		For Class 56 Rating, Add	3,619.46	
40 05 19 00-0869	EA	18" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,678.55	847.74
		For Class 52 Rating, Deduct	-1,363.35	
		For Class 54 Rating, Add	1,874.53	
		For Class 55 Rating, Add	2,794.71	
		For Class 56 Rating, Add	3,702.50	
40 05 19 00-0870	EA	18" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,964.55	851.11
		For Class 52 Rating, Deduct	-1,394.25	
		For Class 54 Rating, Add	1,916.72	
		For Class 55 Rating, Add	2,857.47	
		For Class 56 Rating, Add	3,785.55	
40 05 19 00-0871	EA	18" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,250.55	854.48
		For Class 52 Rating, Deduct	-1,425.15	
		For Class 54 Rating, Add	1,958.92	
		For Class 55 Rating, Add	2,920.24	
		For Class 56 Rating, Add	3,868.60	

 40 05 19 00-0872 20" Flanged End x Grooved End (FxG), Class 53, Cement Lined,
 Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0554)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0873	EA		20" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,255.75	832.89
			For Class 52 Rating, Deduct	-329.32	
			For Class 54 Rating, Add	464.21	
			For Class 55 Rating, Add	697.90	
			For Class 56 Rating, Add	928.60	
40 05 19 00-0874	EA		20" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,583.87	836.27
			For Class 52 Rating, Deduct	-364.85	
			For Class 54 Rating, Add	512.72	
			For Class 55 Rating, Add	770.06	
			For Class 56 Rating, Add	1,024.07	
40 05 19 00-0875	EA		20" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,912.00	839.64
			For Class 52 Rating, Deduct	-400.38	
			For Class 54 Rating, Add	561.24	
			For Class 55 Rating, Add	842.21	
			For Class 56 Rating, Add	1,119.55	
40 05 19 00-0876	EA		20" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,240.13	843.01
			For Class 52 Rating, Deduct	-435.91	
			For Class 54 Rating, Add	609.75	
			For Class 55 Rating, Add	914.37	
			For Class 56 Rating, Add	1,215.02	
40 05 19 00-0877	EA		20" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,568.26	846.38
			For Class 52 Rating, Deduct	-471.44	
			For Class 54 Rating, Add	658.27	
			For Class 55 Rating, Add	986.52	
			For Class 56 Rating, Add	1,310.50	
40 05 19 00-0878	EA		20" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,896.39	849.75
			For Class 52 Rating, Deduct	-506.98	
			For Class 54 Rating, Add	706.78	
			For Class 55 Rating, Add	1,058.68	
			For Class 56 Rating, Add	1,405.97	
40 05 19 00-0879	EA		20" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,224.52	853.12
			For Class 52 Rating, Deduct	-542.51	
			For Class 54 Rating, Add	755.30	
			For Class 55 Rating, Add	1,130.84	
			For Class 56 Rating, Add	1,501.44	
40 05 19 00-0880	EA		20" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,552.64	856.50
			For Class 52 Rating, Deduct	-578.04	
			For Class 54 Rating, Add	803.81	
			For Class 55 Rating, Add	1,202.99	
			For Class 56 Rating, Add	1,596.92	
40 05 19 00-0881	EA		20" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,880.78	859.87
			For Class 52 Rating, Deduct	-613.57	
			For Class 54 Rating, Add	852.33	
			For Class 55 Rating, Add	1,275.15	
			For Class 56 Rating, Add	1,692.39	
40 05 19 00-0882	EA		20" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,208.90	863.24
			For Class 52 Rating, Deduct	-649.11	
			For Class 54 Rating, Add	900.84	
			For Class 55 Rating, Add	1,347.30	
			For Class 56 Rating, Add	1,787.87	
40 05 19 00-0883	EA		20" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,537.02	866.61
			For Class 52 Rating, Deduct	-684.64	
			For Class 54 Rating, Add	949.35	
			For Class 55 Rating, Add	1,419.46	
			For Class 56 Rating, Add	1,883.34	
40 05 19 00-0884	EA		20" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,865.15	869.98
			For Class 52 Rating, Deduct	-720.17	
			For Class 54 Rating, Add	997.87	
			For Class 55 Rating, Add	1,491.61	
			For Class 56 Rating, Add	1,978.82	
40 05 19 00-0885	EA		20" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,193.28	873.36
			For Class 52 Rating, Deduct	-755.70	
			For Class 54 Rating, Add	1,046.38	
			For Class 55 Rating, Add	1,563.77	
			For Class 56 Rating, Add	2,074.29	
40 05 19 00-0886	EA		20" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,521.42	876.74
			For Class 52 Rating, Deduct	-791.23	
			For Class 54 Rating, Add	1,094.90	
			For Class 55 Rating, Add	1,635.93	
			For Class 56 Rating, Add	2,169.77	
40 05 19 00-0887	EA		20" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,849.54	880.11
			For Class 52 Rating, Deduct	-826.77	
			For Class 54 Rating, Add	1,143.41	
			For Class 55 Rating, Add	1,708.08	
			For Class 56 Rating, Add	2,265.24	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-0888	EA	20" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	9,177.67	883.48
		Pipe	-862.30	
		For Class 52 Rating, Deduct	1,191.92	
		For Class 54 Rating, Add	1,780.24	
		For Class 55 Rating, Add	2,360.72	
		For Class 56 Rating, Add		
40 05 19 00-0889	EA	20" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	9,505.80	886.85
		Pipe	-897.83	
		For Class 52 Rating, Deduct	1,240.44	
		For Class 54 Rating, Add	1,852.40	
		For Class 55 Rating, Add	2,456.19	
		For Class 56 Rating, Add		
40 05 19 00-0890	EA	20" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	9,833.93	890.22
		Pipe	-933.36	
		For Class 52 Rating, Deduct	1,288.95	
		For Class 54 Rating, Add	1,924.55	
		For Class 55 Rating, Add	2,551.66	
		For Class 56 Rating, Add		
40 05 19 00-0891	EA	20" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	10,162.05	893.59
		Pipe	-968.89	
		For Class 52 Rating, Deduct	1,337.47	
		For Class 54 Rating, Add	1,996.71	
		For Class 55 Rating, Add	2,647.14	
		For Class 56 Rating, Add		
40 05 19 00-0892	EA	20" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	10,490.19	896.97
		Pipe	-1,004.43	
		For Class 52 Rating, Deduct	1,385.98	
		For Class 54 Rating, Add	2,068.86	
		For Class 55 Rating, Add	2,742.61	
		For Class 56 Rating, Add		
40 05 19 00-0893	EA	20" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	10,818.31	900.34
		Pipe	-1,039.96	
		For Class 52 Rating, Deduct	1,434.50	
		For Class 54 Rating, Add	2,141.02	
		For Class 55 Rating, Add	2,838.09	
		For Class 56 Rating, Add		
40 05 19 00-0894	EA	20" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	11,146.45	903.71
		Pipe	-1,075.49	
		For Class 52 Rating, Deduct	1,483.01	
		For Class 54 Rating, Add	2,213.18	
		For Class 55 Rating, Add	2,933.56	
		For Class 56 Rating, Add		
40 05 19 00-0895	EA	20" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	11,474.57	907.08
		Pipe	-1,111.02	
		For Class 52 Rating, Deduct	1,531.52	
		For Class 54 Rating, Add	2,285.33	
		For Class 55 Rating, Add	3,029.04	
		For Class 56 Rating, Add		
40 05 19 00-0896	EA	20" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	11,802.70	910.45
		Pipe	-1,146.56	
		For Class 52 Rating, Deduct	1,580.04	
		For Class 54 Rating, Add	2,357.49	
		For Class 55 Rating, Add	3,124.51	
		For Class 56 Rating, Add		
40 05 19 00-0897	EA	20" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	12,130.83	913.82
		Pipe	-1,182.09	
		For Class 52 Rating, Deduct	1,628.55	
		For Class 54 Rating, Add	2,429.64	
		For Class 55 Rating, Add	3,219.99	
		For Class 56 Rating, Add		
40 05 19 00-0898	EA	20" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	12,458.95	917.20
		Pipe	-1,217.62	
		For Class 52 Rating, Deduct	1,677.07	
		For Class 54 Rating, Add	2,501.80	
		For Class 55 Rating, Add	3,315.46	
		For Class 56 Rating, Add		
40 05 19 00-0899	EA	20" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	12,787.08	920.57
		Pipe	-1,253.15	
		For Class 52 Rating, Deduct	1,725.58	
		For Class 54 Rating, Add	2,573.95	
		For Class 55 Rating, Add	3,410.94	
		For Class 56 Rating, Add		
40 05 19 00-0900	EA	20" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	13,115.21	923.94
		Pipe	-1,288.68	
		For Class 52 Rating, Deduct	1,774.09	
		For Class 54 Rating, Add	2,646.11	
		For Class 55 Rating, Add	3,506.41	
		For Class 56 Rating, Add		
40 05 19 00-0901	EA	20" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	13,443.34	927.31
		Pipe	-1,324.22	
		For Class 52 Rating, Deduct	1,822.61	
		For Class 54 Rating, Add	2,718.27	
		For Class 55 Rating, Add	3,601.89	
		For Class 56 Rating, Add		
40 05 19 00-0902	EA	20" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	13,771.47	930.68
		Pipe	-1,359.75	
		For Class 52 Rating, Deduct	1,871.12	
		For Class 54 Rating, Add	2,790.42	
		For Class 55 Rating, Add	3,697.36	
		For Class 56 Rating, Add		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0903	EA	20" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,099.60	934.05
		For Class 52 Rating, Deduct	-1,395.28	
		For Class 54 Rating, Add	1,919.64	
		For Class 55 Rating, Add	2,862.58	
		For Class 56 Rating, Add	3,792.83	
40 05 19 00-0904	EA	20" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,427.72	937.43
		For Class 52 Rating, Deduct	-1,430.81	
		For Class 54 Rating, Add	1,968.15	
		For Class 55 Rating, Add	2,934.73	
		For Class 56 Rating, Add	3,888.31	
40 05 19 00-0905	EA	20" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,755.86	940.80
		For Class 52 Rating, Deduct	-1,466.34	
		For Class 54 Rating, Add	2,016.67	
		For Class 55 Rating, Add	3,006.89	
		For Class 56 Rating, Add	3,983.78	
40 05 19 00-0906	EA	20" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,083.98	944.17
		For Class 52 Rating, Deduct	-1,501.88	
		For Class 54 Rating, Add	2,065.18	
		For Class 55 Rating, Add	3,079.05	
		For Class 56 Rating, Add	4,079.26	
40 05 19 00-0907	EA	20" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,412.11	947.54
		For Class 52 Rating, Deduct	-1,537.41	
		For Class 54 Rating, Add	2,113.69	
		For Class 55 Rating, Add	3,151.20	
		For Class 56 Rating, Add	4,174.73	
40 05 19 00-0908	EA	20" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,740.24	950.91
		For Class 52 Rating, Deduct	-1,572.94	
		For Class 54 Rating, Add	2,162.21	
		For Class 55 Rating, Add	3,223.36	
		For Class 56 Rating, Add	4,270.21	
40 05 19 00-0909	EA	20" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,068.37	954.28
		For Class 52 Rating, Deduct	-1,608.47	
		For Class 54 Rating, Add	2,210.72	
		For Class 55 Rating, Add	3,295.51	
		For Class 56 Rating, Add	4,365.68	
40 05 19 00-0910	EA	20" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,396.51	957.66
		For Class 52 Rating, Deduct	-1,644.01	
		For Class 54 Rating, Add	2,259.24	
		For Class 55 Rating, Add	3,367.67	
		For Class 56 Rating, Add	4,461.16	
40 05 19 00-0911		24" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0554)		
40 05 19 00-0912	EA	24" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,274.48	984.64
		For Class 52 Rating, Deduct	-416.09	
		For Class 54 Rating, Add	585.29	
		For Class 55 Rating, Add	879.32	
		For Class 56 Rating, Add	1,169.57	
40 05 19 00-0913	EA	24" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,679.85	988.01
		For Class 52 Rating, Deduct	-460.12	
		For Class 54 Rating, Add	645.39	
		For Class 55 Rating, Add	968.71	
		For Class 56 Rating, Add	1,287.84	
40 05 19 00-0914	EA	24" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,085.22	991.38
		For Class 52 Rating, Deduct	-504.14	
		For Class 54 Rating, Add	705.49	
		For Class 55 Rating, Add	1,058.09	
		For Class 56 Rating, Add	1,406.10	
40 05 19 00-0915	EA	24" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,490.59	994.75
		For Class 52 Rating, Deduct	-548.17	
		For Class 54 Rating, Add	765.59	
		For Class 55 Rating, Add	1,147.47	
		For Class 56 Rating, Add	1,524.36	
40 05 19 00-0916	EA	24" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,895.97	998.13
		For Class 52 Rating, Deduct	-592.20	
		For Class 54 Rating, Add	825.70	
		For Class 55 Rating, Add	1,236.85	
		For Class 56 Rating, Add	1,642.62	
40 05 19 00-0917	EA	24" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,301.34	1,001.50
		For Class 52 Rating, Deduct	-636.23	
		For Class 54 Rating, Add	885.80	
		For Class 55 Rating, Add	1,326.23	
		For Class 56 Rating, Add	1,760.88	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-0918	EA	24" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	7,706.71	1,004.87
		For Class 52 Rating, Deduct	-680.26	
		For Class 54 Rating, Add	945.90	
		For Class 55 Rating, Add	1,415.61	
		For Class 56 Rating, Add	1,879.14	
40 05 19 00-0919	EA	24" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	8,112.09	1,008.24
		For Class 52 Rating, Deduct	-724.29	
		For Class 54 Rating, Add	1,006.00	
		For Class 55 Rating, Add	1,505.00	
		For Class 56 Rating, Add	1,997.41	
40 05 19 00-0920	EA	24" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	8,517.46	1,011.61
		For Class 52 Rating, Deduct	-768.32	
		For Class 54 Rating, Add	1,066.10	
		For Class 55 Rating, Add	1,594.38	
		For Class 56 Rating, Add	2,115.67	
40 05 19 00-0921	EA	24" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	8,922.83	1,014.98
		For Class 52 Rating, Deduct	-812.35	
		For Class 54 Rating, Add	1,126.20	
		For Class 55 Rating, Add	1,683.76	
		For Class 56 Rating, Add	2,233.93	
40 05 19 00-0922	EA	24" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	9,328.19	1,018.36
		For Class 52 Rating, Deduct	-856.38	
		For Class 54 Rating, Add	1,186.30	
		For Class 55 Rating, Add	1,773.14	
		For Class 56 Rating, Add	2,352.19	
40 05 19 00-0923	EA	24" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	9,733.58	1,021.73
		For Class 52 Rating, Deduct	-900.41	
		For Class 54 Rating, Add	1,246.40	
		For Class 55 Rating, Add	1,862.52	
		For Class 56 Rating, Add	2,470.45	
40 05 19 00-0924	EA	24" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	10,138.94	1,025.10
		For Class 52 Rating, Deduct	-944.43	
		For Class 54 Rating, Add	1,306.50	
		For Class 55 Rating, Add	1,951.90	
		For Class 56 Rating, Add	2,588.71	
40 05 19 00-0925	EA	24" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	10,544.31	1,028.47
		For Class 52 Rating, Deduct	-988.46	
		For Class 54 Rating, Add	1,366.60	
		For Class 55 Rating, Add	2,041.28	
		For Class 56 Rating, Add	2,706.97	
40 05 19 00-0926	EA	24" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	10,949.69	1,031.84
		For Class 52 Rating, Deduct	-1,032.49	
		For Class 54 Rating, Add	1,426.70	
		For Class 55 Rating, Add	2,130.66	
		For Class 56 Rating, Add	2,825.24	
40 05 19 00-0927	EA	24" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	11,355.06	1,035.21
		For Class 52 Rating, Deduct	-1,076.52	
		For Class 54 Rating, Add	1,486.80	
		For Class 55 Rating, Add	2,220.04	
		For Class 56 Rating, Add	2,943.50	
40 05 19 00-0928	EA	24" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	11,760.43	1,038.59
		For Class 52 Rating, Deduct	-1,120.55	
		For Class 54 Rating, Add	1,546.90	
		For Class 55 Rating, Add	2,309.43	
		For Class 56 Rating, Add	3,061.76	
40 05 19 00-0929	EA	24" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	12,165.81	1,041.96
		For Class 52 Rating, Deduct	-1,164.58	
		For Class 54 Rating, Add	1,607.01	
		For Class 55 Rating, Add	2,398.81	
		For Class 56 Rating, Add	3,180.02	
40 05 19 00-0930	EA	24" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	12,571.18	1,045.33
		For Class 52 Rating, Deduct	-1,208.61	
		For Class 54 Rating, Add	1,667.11	
		For Class 55 Rating, Add	2,488.19	
		For Class 56 Rating, Add	3,298.28	
40 05 19 00-0931	EA	24" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	12,976.55	1,048.70
		For Class 52 Rating, Deduct	-1,252.64	
		For Class 54 Rating, Add	1,727.21	
		For Class 55 Rating, Add	2,577.57	
		For Class 56 Rating, Add	3,416.54	
40 05 19 00-0932	EA	24" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	13,381.93	1,052.07
		For Class 52 Rating, Deduct	-1,296.67	
		For Class 54 Rating, Add	1,787.31	
		For Class 55 Rating, Add	2,666.95	
		For Class 56 Rating, Add	3,534.81	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0933	EA		24" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	13,787.29	1,055.45
			For Class 52 Rating, Deduct	-1,340.69	
			For Class 54 Rating, Add	1,847.41	
			For Class 55 Rating, Add	2,756.33	
			For Class 56 Rating, Add	3,653.07	
40 05 19 00-0934	EA		24" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	14,192.67	1,058.83
			For Class 52 Rating, Deduct	-1,384.72	
			For Class 54 Rating, Add	1,907.51	
			For Class 55 Rating, Add	2,845.71	
			For Class 56 Rating, Add	3,771.33	
40 05 19 00-0935	EA		24" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	14,598.04	1,062.20
			For Class 52 Rating, Deduct	-1,428.75	
			For Class 54 Rating, Add	1,967.61	
			For Class 55 Rating, Add	2,935.10	
			For Class 56 Rating, Add	3,889.59	
40 05 19 00-0936	EA		24" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	15,003.42	1,065.57
			For Class 52 Rating, Deduct	-1,472.78	
			For Class 54 Rating, Add	2,027.71	
			For Class 55 Rating, Add	3,024.48	
			For Class 56 Rating, Add	4,007.85	
40 05 19 00-0937	EA		24" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	15,408.78	1,068.94
			For Class 52 Rating, Deduct	-1,516.81	
			For Class 54 Rating, Add	2,087.81	
			For Class 55 Rating, Add	3,113.86	
			For Class 56 Rating, Add	4,126.11	
40 05 19 00-0938	EA		24" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	15,814.15	1,072.31
			For Class 52 Rating, Deduct	-1,560.84	
			For Class 54 Rating, Add	2,147.91	
			For Class 55 Rating, Add	3,203.24	
			For Class 56 Rating, Add	4,244.37	
40 05 19 00-0939	EA		24" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	16,219.53	1,075.68
			For Class 52 Rating, Deduct	-1,604.87	
			For Class 54 Rating, Add	2,208.01	
			For Class 55 Rating, Add	3,292.62	
			For Class 56 Rating, Add	4,362.64	
40 05 19 00-0940	EA		24" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	16,624.90	1,079.06
			For Class 52 Rating, Deduct	-1,648.90	
			For Class 54 Rating, Add	2,268.11	
			For Class 55 Rating, Add	3,382.00	
			For Class 56 Rating, Add	4,480.90	
40 05 19 00-0941	EA		24" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	17,117.13	1,139.75
			For Class 52 Rating, Deduct	-1,692.93	
			For Class 54 Rating, Add	2,329.26	
			For Class 55 Rating, Add	3,473.47	
			For Class 56 Rating, Add	4,602.29	
40 05 19 00-0942	EA		24" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	17,522.50	1,143.12
			For Class 52 Rating, Deduct	-1,736.96	
			For Class 54 Rating, Add	2,389.36	
			For Class 55 Rating, Add	3,562.85	
			For Class 56 Rating, Add	4,720.55	
40 05 19 00-0943	EA		24" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	17,927.88	1,146.49
			For Class 52 Rating, Deduct	-1,780.98	
			For Class 54 Rating, Add	2,449.46	
			For Class 55 Rating, Add	3,652.23	
			For Class 56 Rating, Add	4,838.81	
40 05 19 00-0944	EA		24" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	18,333.24	1,149.87
			For Class 52 Rating, Deduct	-1,825.01	
			For Class 54 Rating, Add	2,509.56	
			For Class 55 Rating, Add	3,741.61	
			For Class 56 Rating, Add	4,957.07	
40 05 19 00-0945	EA		24" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	18,738.62	1,153.24
			For Class 52 Rating, Deduct	-1,869.04	
			For Class 54 Rating, Add	2,569.66	
			For Class 55 Rating, Add	3,830.99	
			For Class 56 Rating, Add	5,075.33	
40 05 19 00-0946	EA		24" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	19,143.99	1,156.61
			For Class 52 Rating, Deduct	-1,913.07	
			For Class 54 Rating, Add	2,629.76	
			For Class 55 Rating, Add	3,920.37	
			For Class 56 Rating, Add	5,193.60	
40 05 19 00-0947	EA		24" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	19,549.36	1,159.99
			For Class 52 Rating, Deduct	-1,957.10	
			For Class 54 Rating, Add	2,689.86	
			For Class 55 Rating, Add	4,009.75	
			For Class 56 Rating, Add	5,311.86	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-0948	EA	24" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,954.73	1,163.36
		For Class 52 Rating, Deduct	-2,001.13	
		For Class 54 Rating, Add	2,749.96	
		For Class 55 Rating, Add	4,099.14	
		For Class 56 Rating, Add	5,430.12	
40 05 19 00-0949	EA	24" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,360.11	1,166.73
		For Class 52 Rating, Deduct	-2,045.16	
		For Class 54 Rating, Add	2,810.06	
		For Class 55 Rating, Add	4,188.52	
		For Class 56 Rating, Add	5,548.38	

40 05 19 00-0950 30" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe

(40 05 19 00-0554)

40 05 19 00-0951	EA	30" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,144.04	1,389.28
		For Class 52 Rating, Deduct	-664.30	
		For Class 54 Rating, Add	931.12	
		For Class 55 Rating, Add	1,397.23	
		For Class 56 Rating, Add	1,857.30	
40 05 19 00-0952	EA	30" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,727.30	1,392.65
		For Class 52 Rating, Deduct	-727.89	
		For Class 54 Rating, Add	1,017.90	
		For Class 55 Rating, Add	1,526.28	
		For Class 56 Rating, Add	2,028.04	
40 05 19 00-0953	EA	30" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,310.56	1,396.02
		For Class 52 Rating, Deduct	-791.49	
		For Class 54 Rating, Add	1,104.69	
		For Class 55 Rating, Add	1,655.33	
		For Class 56 Rating, Add	2,198.78	
40 05 19 00-0954	EA	30" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,893.83	1,399.40
		For Class 52 Rating, Deduct	-855.09	
		For Class 54 Rating, Add	1,191.47	
		For Class 55 Rating, Add	1,784.38	
		For Class 56 Rating, Add	2,369.52	
40 05 19 00-0955	EA	30" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,477.10	1,402.77
		For Class 52 Rating, Deduct	-918.69	
		For Class 54 Rating, Add	1,278.26	
		For Class 55 Rating, Add	1,913.44	
		For Class 56 Rating, Add	2,540.26	
40 05 19 00-0956	EA	30" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,060.36	1,406.14
		For Class 52 Rating, Deduct	-982.28	
		For Class 54 Rating, Add	1,365.04	
		For Class 55 Rating, Add	2,042.49	
		For Class 56 Rating, Add	2,711.00	
40 05 19 00-0957	EA	30" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,643.63	1,409.51
		For Class 52 Rating, Deduct	-1,045.88	
		For Class 54 Rating, Add	1,451.83	
		For Class 55 Rating, Add	2,171.54	
		For Class 56 Rating, Add	2,881.74	
40 05 19 00-0958	EA	30" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,226.89	1,412.88
		For Class 52 Rating, Deduct	-1,109.48	
		For Class 54 Rating, Add	1,538.61	
		For Class 55 Rating, Add	2,300.59	
		For Class 56 Rating, Add	3,052.48	
40 05 19 00-0959	EA	30" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,810.17	1,416.25
		For Class 52 Rating, Deduct	-1,173.08	
		For Class 54 Rating, Add	1,625.40	
		For Class 55 Rating, Add	2,429.64	
		For Class 56 Rating, Add	3,223.23	
40 05 19 00-0960	EA	30" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,393.44	1,419.63
		For Class 52 Rating, Deduct	-1,236.67	
		For Class 54 Rating, Add	1,712.18	
		For Class 55 Rating, Add	2,558.70	
		For Class 56 Rating, Add	3,393.97	
40 05 19 00-0961	EA	30" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,976.70	1,423.01
		For Class 52 Rating, Deduct	-1,300.27	
		For Class 54 Rating, Add	1,798.97	
		For Class 55 Rating, Add	2,687.75	
		For Class 56 Rating, Add	3,564.71	
40 05 19 00-0962	EA	30" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,559.97	1,426.38
		For Class 52 Rating, Deduct	-1,363.87	
		For Class 54 Rating, Add	1,885.75	
		For Class 55 Rating, Add	2,816.80	
		For Class 56 Rating, Add	3,735.45	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0963	EA		30" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	15,143.23	1,429.75
			For Class 52 Rating, Deduct	-1,427.46	
			For Class 54 Rating, Add	1,972.54	
			For Class 55 Rating, Add	2,945.85	
			For Class 56 Rating, Add	3,906.19	
40 05 19 00-0964	EA		30" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	15,726.50	1,433.12
			For Class 52 Rating, Deduct	-1,491.06	
			For Class 54 Rating, Add	2,059.32	
			For Class 55 Rating, Add	3,074.90	
			For Class 56 Rating, Add	4,076.93	
40 05 19 00-0965	EA		30" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	16,309.77	1,436.49
			For Class 52 Rating, Deduct	-1,554.66	
			For Class 54 Rating, Add	2,146.11	
			For Class 55 Rating, Add	3,203.96	
			For Class 56 Rating, Add	4,247.67	
40 05 19 00-0966	EA		30" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	16,893.04	1,439.87
			For Class 52 Rating, Deduct	-1,618.26	
			For Class 54 Rating, Add	2,232.89	
			For Class 55 Rating, Add	3,333.01	
			For Class 56 Rating, Add	4,418.41	
40 05 19 00-0967	EA		30" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	17,476.30	1,443.24
			For Class 52 Rating, Deduct	-1,681.85	
			For Class 54 Rating, Add	2,319.68	
			For Class 55 Rating, Add	3,462.06	
			For Class 56 Rating, Add	4,589.15	
40 05 19 00-0968	EA		30" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	18,059.57	1,446.61
			For Class 52 Rating, Deduct	-1,745.45	
			For Class 54 Rating, Add	2,406.46	
			For Class 55 Rating, Add	3,591.11	
			For Class 56 Rating, Add	4,759.89	
40 05 19 00-0969	EA		30" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	18,642.83	1,449.98
			For Class 52 Rating, Deduct	-1,809.05	
			For Class 54 Rating, Add	2,493.25	
			For Class 55 Rating, Add	3,720.16	
			For Class 56 Rating, Add	4,930.63	
40 05 19 00-0970	EA		30" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	19,226.11	1,453.35
			For Class 52 Rating, Deduct	-1,872.65	
			For Class 54 Rating, Add	2,580.03	
			For Class 55 Rating, Add	3,849.21	
			For Class 56 Rating, Add	5,101.37	
40 05 19 00-0971	EA		30" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	19,809.37	1,456.72
			For Class 52 Rating, Deduct	-1,936.24	
			For Class 54 Rating, Add	2,666.82	
			For Class 55 Rating, Add	3,978.26	
			For Class 56 Rating, Add	5,272.11	
40 05 19 00-0972	EA		30" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	20,392.63	1,460.10
			For Class 52 Rating, Deduct	-1,999.84	
			For Class 54 Rating, Add	2,753.60	
			For Class 55 Rating, Add	4,107.32	
			For Class 56 Rating, Add	5,442.85	
40 05 19 00-0973	EA		30" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	20,975.91	1,463.47
			For Class 52 Rating, Deduct	-2,063.44	
			For Class 54 Rating, Add	2,840.39	
			For Class 55 Rating, Add	4,236.37	
			For Class 56 Rating, Add	5,613.59	
40 05 19 00-0974	EA		30" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	21,559.17	1,466.84
			For Class 52 Rating, Deduct	-2,127.04	
			For Class 54 Rating, Add	2,927.17	
			For Class 55 Rating, Add	4,365.42	
			For Class 56 Rating, Add	5,784.33	
40 05 19 00-0975	EA		30" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	22,142.45	1,470.21
			For Class 52 Rating, Deduct	-2,190.63	
			For Class 54 Rating, Add	3,013.96	
			For Class 55 Rating, Add	4,494.47	
			For Class 56 Rating, Add	5,955.07	
40 05 19 00-0976	EA		30" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	22,725.70	1,473.58
			For Class 52 Rating, Deduct	-2,254.23	
			For Class 54 Rating, Add	3,100.74	
			For Class 55 Rating, Add	4,623.52	
			For Class 56 Rating, Add	6,125.81	
40 05 19 00-0977	EA		30" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	23,308.97	1,476.95
			For Class 52 Rating, Deduct	-2,317.83	
			For Class 54 Rating, Add	3,187.53	
			For Class 55 Rating, Add	4,752.58	
			For Class 56 Rating, Add	6,296.55	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-0978	EA	30" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,892.24	1,480.33
		For Class 52 Rating, Deduct	-2,381.43	
		For Class 54 Rating, Add	3,274.31	
		For Class 55 Rating, Add	4,881.63	
		For Class 56 Rating, Add	6,467.29	
40 05 19 00-0979	EA	30" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,475.51	1,483.70
		For Class 52 Rating, Deduct	-2,445.02	
		For Class 54 Rating, Add	3,361.10	
		For Class 55 Rating, Add	5,010.68	
		For Class 56 Rating, Add	6,638.04	
40 05 19 00-0980	EA	30" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,058.77	1,487.07
		For Class 52 Rating, Deduct	-2,508.62	
		For Class 54 Rating, Add	3,447.88	
		For Class 55 Rating, Add	5,139.73	
		For Class 56 Rating, Add	6,808.78	
40 05 19 00-0981	EA	30" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,642.04	1,490.44
		For Class 52 Rating, Deduct	-2,572.22	
		For Class 54 Rating, Add	3,534.67	
		For Class 55 Rating, Add	5,268.78	
		For Class 56 Rating, Add	6,979.52	
40 05 19 00-0982	EA	30" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,225.30	1,493.81
		For Class 52 Rating, Deduct	-2,635.81	
		For Class 54 Rating, Add	3,621.45	
		For Class 55 Rating, Add	5,397.84	
		For Class 56 Rating, Add	7,150.26	
40 05 19 00-0983	EA	30" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,808.58	1,497.18
		For Class 52 Rating, Deduct	-2,699.41	
		For Class 54 Rating, Add	3,708.24	
		For Class 55 Rating, Add	5,526.89	
		For Class 56 Rating, Add	7,321.00	
40 05 19 00-0984	EA	30" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,391.85	1,500.56
		For Class 52 Rating, Deduct	-2,763.01	
		For Class 54 Rating, Add	3,795.02	
		For Class 55 Rating, Add	5,655.94	
		For Class 56 Rating, Add	7,491.74	
40 05 19 00-0985	EA	30" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,975.10	1,503.93
		For Class 52 Rating, Deduct	-2,826.61	
		For Class 54 Rating, Add	3,881.81	
		For Class 55 Rating, Add	5,784.99	
		For Class 56 Rating, Add	7,662.48	
40 05 19 00-0986	EA	30" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,558.38	1,507.30
		For Class 52 Rating, Deduct	-2,890.20	
		For Class 54 Rating, Add	3,968.59	
		For Class 55 Rating, Add	5,914.04	
		For Class 56 Rating, Add	7,833.22	
40 05 19 00-0987	EA	30" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,141.64	1,510.67
		For Class 52 Rating, Deduct	-2,953.80	
		For Class 54 Rating, Add	4,055.38	
		For Class 55 Rating, Add	6,043.09	
		For Class 56 Rating, Add	8,003.96	
40 05 19 00-0988	EA	30" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,724.91	1,514.05
		For Class 52 Rating, Deduct	-3,017.40	
		For Class 54 Rating, Add	4,142.16	
		For Class 55 Rating, Add	6,172.15	
		For Class 56 Rating, Add	8,174.70	

40 05 19 00-0989 36" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe

(40 05 19 00-0554)

40 05 19 00-0990	EA	36" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,180.18	1,760.20
		For Class 52 Rating, Deduct	-936.45	
		For Class 54 Rating, Add	1,308.98	
		For Class 55 Rating, Add	1,962.45	
		For Class 56 Rating, Add	2,607.41	
40 05 19 00-0991	EA	36" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,971.77	1,763.58
		For Class 52 Rating, Deduct	-1,022.96	
		For Class 54 Rating, Add	1,427.02	
		For Class 55 Rating, Add	2,137.96	
		For Class 56 Rating, Add	2,839.60	
40 05 19 00-0992	EA	36" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,763.36	1,766.95
		For Class 52 Rating, Deduct	-1,109.48	
		For Class 54 Rating, Add	1,545.05	
		For Class 55 Rating, Add	2,313.47	
		For Class 56 Rating, Add	3,071.80	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0993	EA		36" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	13,554.95	1,770.32
			For Class 52 Rating, Deduct	-1,195.99	
			For Class 54 Rating, Add	1,663.08	
			For Class 55 Rating, Add	2,488.97	
			For Class 56 Rating, Add	3,303.99	
40 05 19 00-0994	EA		36" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	14,346.54	1,773.69
			For Class 52 Rating, Deduct	-1,282.50	
			For Class 54 Rating, Add	1,781.12	
			For Class 55 Rating, Add	2,664.48	
			For Class 56 Rating, Add	3,536.19	
40 05 19 00-0995	EA		36" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	15,138.14	1,777.06
			For Class 52 Rating, Deduct	-1,369.02	
			For Class 54 Rating, Add	1,899.15	
			For Class 55 Rating, Add	2,839.99	
			For Class 56 Rating, Add	3,768.39	
40 05 19 00-0996	EA		36" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	15,929.72	1,780.43
			For Class 52 Rating, Deduct	-1,455.53	
			For Class 54 Rating, Add	2,017.19	
			For Class 55 Rating, Add	3,015.50	
			For Class 56 Rating, Add	4,000.58	
40 05 19 00-0997	EA		36" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	16,721.31	1,783.81
			For Class 52 Rating, Deduct	-1,542.04	
			For Class 54 Rating, Add	2,135.22	
			For Class 55 Rating, Add	3,191.01	
			For Class 56 Rating, Add	4,232.78	
40 05 19 00-0998	EA		36" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	17,512.90	1,787.18
			For Class 52 Rating, Deduct	-1,628.56	
			For Class 54 Rating, Add	2,253.25	
			For Class 55 Rating, Add	3,366.51	
			For Class 56 Rating, Add	4,464.97	
40 05 19 00-0999	EA		36" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	18,304.50	1,790.56
			For Class 52 Rating, Deduct	-1,715.07	
			For Class 54 Rating, Add	2,371.29	
			For Class 55 Rating, Add	3,542.02	
			For Class 56 Rating, Add	4,697.17	
40 05 19 00-1000	EA		36" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	19,096.10	1,793.93
			For Class 52 Rating, Deduct	-1,801.58	
			For Class 54 Rating, Add	2,489.32	
			For Class 55 Rating, Add	3,717.53	
			For Class 56 Rating, Add	4,929.37	
40 05 19 00-1001	EA		36" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	19,887.68	1,797.30
			For Class 52 Rating, Deduct	-1,888.10	
			For Class 54 Rating, Add	2,607.35	
			For Class 55 Rating, Add	3,893.04	
			For Class 56 Rating, Add	5,161.56	
40 05 19 00-1002	EA		36" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	20,679.27	1,800.67
			For Class 52 Rating, Deduct	-1,974.61	
			For Class 54 Rating, Add	2,725.39	
			For Class 55 Rating, Add	4,068.55	
			For Class 56 Rating, Add	5,393.76	
40 05 19 00-1003	EA		36" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	21,470.86	1,804.05
			For Class 52 Rating, Deduct	-2,061.12	
			For Class 54 Rating, Add	2,843.42	
			For Class 55 Rating, Add	4,244.06	
			For Class 56 Rating, Add	5,625.95	
40 05 19 00-1004	EA		36" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	22,262.46	1,807.42
			For Class 52 Rating, Deduct	-2,147.63	
			For Class 54 Rating, Add	2,961.45	
			For Class 55 Rating, Add	4,419.57	
			For Class 56 Rating, Add	5,858.15	
40 05 19 00-1005	EA		36" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	23,054.04	1,810.79
			For Class 52 Rating, Deduct	-2,234.15	
			For Class 54 Rating, Add	3,079.49	
			For Class 55 Rating, Add	4,595.07	
			For Class 56 Rating, Add	6,090.35	
40 05 19 00-1006	EA		36" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	23,845.64	1,814.16
			For Class 52 Rating, Deduct	-2,320.66	
			For Class 54 Rating, Add	3,197.52	
			For Class 55 Rating, Add	4,770.58	
			For Class 56 Rating, Add	6,322.54	
40 05 19 00-1007	EA		36" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	24,637.22	1,817.53
			For Class 52 Rating, Deduct	-2,407.17	
			For Class 54 Rating, Add	3,315.55	
			For Class 55 Rating, Add	4,946.09	
			For Class 56 Rating, Add	6,554.74	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT
 UNIT COST
 DEMOLITION
 UNIT COST

40 05 19 00-1008	EA	36" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	25,428.82	1,820.90
		Pipe		
		For Class 52 Rating, Deduct	-2,493.69	
		For Class 54 Rating, Add	3,433.59	
		For Class 55 Rating, Add	5,121.60	
		For Class 56 Rating, Add	6,786.93	
40 05 19 00-1009	EA	36" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	26,220.41	1,824.28
		Pipe		
		For Class 52 Rating, Deduct	-2,580.20	
		For Class 54 Rating, Add	3,551.62	
		For Class 55 Rating, Add	5,297.11	
		For Class 56 Rating, Add	7,019.13	
40 05 19 00-1010	EA	36" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	27,012.00	1,827.65
		Pipe		
		For Class 52 Rating, Deduct	-2,666.71	
		For Class 54 Rating, Add	3,669.66	
		For Class 55 Rating, Add	5,472.61	
		For Class 56 Rating, Add	7,251.33	
40 05 19 00-1011	EA	36" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	27,803.60	1,831.02
		Pipe		
		For Class 52 Rating, Deduct	-2,753.23	
		For Class 54 Rating, Add	3,787.69	
		For Class 55 Rating, Add	5,648.12	
		For Class 56 Rating, Add	7,483.52	
40 05 19 00-1012	EA	36" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	28,595.18	1,834.39
		Pipe		
		For Class 52 Rating, Deduct	-2,839.74	
		For Class 54 Rating, Add	3,905.72	
		For Class 55 Rating, Add	5,823.63	
		For Class 56 Rating, Add	7,715.72	
40 05 19 00-1013	EA	36" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	29,386.77	1,837.76
		Pipe		
		For Class 52 Rating, Deduct	-2,926.25	
		For Class 54 Rating, Add	4,023.76	
		For Class 55 Rating, Add	5,999.14	
		For Class 56 Rating, Add	7,947.91	
40 05 19 00-1014	EA	36" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	30,178.36	1,841.13
		Pipe		
		For Class 52 Rating, Deduct	-3,012.76	
		For Class 54 Rating, Add	4,141.79	
		For Class 55 Rating, Add	6,174.64	
		For Class 56 Rating, Add	8,180.11	
40 05 19 00-1015	EA	36" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	30,969.96	1,844.51
		Pipe		
		For Class 52 Rating, Deduct	-3,099.28	
		For Class 54 Rating, Add	4,259.82	
		For Class 55 Rating, Add	6,350.15	
		For Class 56 Rating, Add	8,412.31	
40 05 19 00-1016	EA	36" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	31,761.55	1,847.88
		Pipe		
		For Class 52 Rating, Deduct	-3,185.79	
		For Class 54 Rating, Add	4,377.86	
		For Class 55 Rating, Add	6,525.66	
		For Class 56 Rating, Add	8,644.50	
40 05 19 00-1017	EA	36" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	32,553.14	1,851.25
		Pipe		
		For Class 52 Rating, Deduct	-3,272.30	
		For Class 54 Rating, Add	4,495.89	
		For Class 55 Rating, Add	6,701.17	
		For Class 56 Rating, Add	8,876.70	
40 05 19 00-1018	EA	36" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	33,344.72	1,854.62
		Pipe		
		For Class 52 Rating, Deduct	-3,358.82	
		For Class 54 Rating, Add	4,613.92	
		For Class 55 Rating, Add	6,876.68	
		For Class 56 Rating, Add	9,108.89	
40 05 19 00-1019	EA	36" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	34,136.32	1,857.99
		Pipe		
		For Class 52 Rating, Deduct	-3,445.33	
		For Class 54 Rating, Add	4,731.96	
		For Class 55 Rating, Add	7,052.18	
		For Class 56 Rating, Add	9,341.09	
40 05 19 00-1020	EA	36" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	34,927.91	1,861.36
		Pipe		
		For Class 52 Rating, Deduct	-3,531.84	
		For Class 54 Rating, Add	4,849.99	
		For Class 55 Rating, Add	7,227.69	
		For Class 56 Rating, Add	9,573.29	
40 05 19 00-1021	EA	36" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	35,719.50	1,864.74
		Pipe		
		For Class 52 Rating, Deduct	-3,618.36	
		For Class 54 Rating, Add	4,968.03	
		For Class 55 Rating, Add	7,403.20	
		For Class 56 Rating, Add	9,805.48	
40 05 19 00-1022	EA	36" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	36,511.09	1,868.11
		Pipe		
		For Class 52 Rating, Deduct	-3,704.87	
		For Class 54 Rating, Add	5,086.06	
		For Class 55 Rating, Add	7,578.71	
		For Class 56 Rating, Add	10,037.68	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1023	EA	36" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	37,302.68	1,871.48
		For Class 52 Rating, Deduct	-3,791.38	
		For Class 54 Rating, Add	5,204.09	
		For Class 55 Rating, Add	7,754.22	
		For Class 56 Rating, Add	10,269.88	
40 05 19 00-1024	EA	36" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	38,094.28	1,874.85
		For Class 52 Rating, Deduct	-3,877.89	
		For Class 54 Rating, Add	5,322.13	
		For Class 55 Rating, Add	7,929.73	
		For Class 56 Rating, Add	10,502.07	
40 05 19 00-1025	EA	36" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	38,885.87	1,878.22
		For Class 52 Rating, Deduct	-3,964.41	
		For Class 54 Rating, Add	5,440.16	
		For Class 55 Rating, Add	8,105.23	
		For Class 56 Rating, Add	10,734.27	
40 05 19 00-1026	EA	36" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	39,677.46	1,881.60
		For Class 52 Rating, Deduct	-4,050.92	
		For Class 54 Rating, Add	5,558.19	
		For Class 55 Rating, Add	8,280.74	
		For Class 56 Rating, Add	10,966.47	
40 05 19 00-1027	EA	36" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	40,469.05	1,884.98
		For Class 52 Rating, Deduct	-4,137.43	
		For Class 54 Rating, Add	5,676.23	
		For Class 55 Rating, Add	8,456.25	
		For Class 56 Rating, Add	11,198.66	
40 05 19 00-1028		Flanged End x Plain End (FxPE), Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0001)		
40 05 19 00-1029		4" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-1028)		
40 05 19 00-1030	EA	4" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	589.26	164.91
		For Class 52 Rating, Deduct	-37.33	
		For Class 54 Rating, Add	53.91	
		For Class 55 Rating, Add	81.68	
		For Class 56 Rating, Add	109.12	
40 05 19 00-1031	EA	4" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	654.49	167.80
		For Class 52 Rating, Deduct	-44.03	
		For Class 54 Rating, Add	63.09	
		For Class 55 Rating, Add	95.36	
		For Class 56 Rating, Add	127.23	
40 05 19 00-1032	EA	4" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	719.72	170.69
		For Class 52 Rating, Deduct	-50.72	
		For Class 54 Rating, Add	72.27	
		For Class 55 Rating, Add	109.04	
		For Class 56 Rating, Add	145.34	
40 05 19 00-1033	EA	4" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	784.94	173.56
		For Class 52 Rating, Deduct	-57.42	
		For Class 54 Rating, Add	81.45	
		For Class 55 Rating, Add	122.71	
		For Class 56 Rating, Add	163.45	
40 05 19 00-1034	EA	4" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	850.18	176.44
		For Class 52 Rating, Deduct	-64.11	
		For Class 54 Rating, Add	90.63	
		For Class 55 Rating, Add	136.39	
		For Class 56 Rating, Add	181.56	
40 05 19 00-1035	EA	4" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	915.40	179.33
		For Class 52 Rating, Deduct	-70.81	
		For Class 54 Rating, Add	99.82	
		For Class 55 Rating, Add	150.07	
		For Class 56 Rating, Add	199.67	
40 05 19 00-1036	EA	4" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	980.63	182.22
		For Class 52 Rating, Deduct	-77.50	
		For Class 54 Rating, Add	109.00	
		For Class 55 Rating, Add	163.74	
		For Class 56 Rating, Add	217.78	
40 05 19 00-1037	EA	4" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,045.86	185.09
		For Class 52 Rating, Deduct	-84.20	
		For Class 54 Rating, Add	118.18	
		For Class 55 Rating, Add	177.42	
		For Class 56 Rating, Add	235.89	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
40 05 19 00-1038	EA 4" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,111.08		187.98
	For Class 52 Rating, Deduct	-90.89		
	For Class 54 Rating, Add	127.36		
	For Class 55 Rating, Add	191.09		
	For Class 56 Rating, Add	254.00		
40 05 19 00-1039	EA 4" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,176.30		190.86
	For Class 52 Rating, Deduct	-97.58		
	For Class 54 Rating, Add	136.54		
	For Class 55 Rating, Add	204.77		
	For Class 56 Rating, Add	272.11		
40 05 19 00-1040	EA 4" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,241.54		193.74
	For Class 52 Rating, Deduct	-104.28		
	For Class 54 Rating, Add	145.72		
	For Class 55 Rating, Add	218.45		
	For Class 56 Rating, Add	290.22		
40 05 19 00-1041	EA 4" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,306.76		196.62
	For Class 52 Rating, Deduct	-110.97		
	For Class 54 Rating, Add	154.90		
	For Class 55 Rating, Add	232.12		
	For Class 56 Rating, Add	308.34		
40 05 19 00-1042	EA 4" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,371.99		199.52
	For Class 52 Rating, Deduct	-117.67		
	For Class 54 Rating, Add	164.08		
	For Class 55 Rating, Add	245.80		
	For Class 56 Rating, Add	326.45		
40 05 19 00-1043	EA 4" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,437.22		202.40
	For Class 52 Rating, Deduct	-124.36		
	For Class 54 Rating, Add	173.27		
	For Class 55 Rating, Add	259.48		
	For Class 56 Rating, Add	344.56		
40 05 19 00-1044	EA 4" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,502.45		205.27
	For Class 52 Rating, Deduct	-131.06		
	For Class 54 Rating, Add	182.45		
	For Class 55 Rating, Add	273.15		
	For Class 56 Rating, Add	362.67		
40 05 19 00-1045	EA 4" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,567.67		208.16
	For Class 52 Rating, Deduct	-137.75		
	For Class 54 Rating, Add	191.63		
	For Class 55 Rating, Add	286.83		
	For Class 56 Rating, Add	380.78		
40 05 19 00-1046	EA 4" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,632.90		211.05
	For Class 52 Rating, Deduct	-144.45		
	For Class 54 Rating, Add	200.81		
	For Class 55 Rating, Add	300.50		
	For Class 56 Rating, Add	398.89		
40 05 19 00-1047	EA 4" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,698.12		213.92
	For Class 52 Rating, Deduct	-151.14		
	For Class 54 Rating, Add	209.99		
	For Class 55 Rating, Add	314.18		
	For Class 56 Rating, Add	417.00		
40 05 19 00-1048	EA 4" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,763.35		216.81
	For Class 52 Rating, Deduct	-157.83		
	For Class 54 Rating, Add	219.17		
	For Class 55 Rating, Add	327.86		
	For Class 56 Rating, Add	435.11		
40 05 19 00-1049	EA 4" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,828.58		219.69
	For Class 52 Rating, Deduct	-164.53		
	For Class 54 Rating, Add	228.35		
	For Class 55 Rating, Add	341.53		
	For Class 56 Rating, Add	453.22		
40 05 19 00-1050	EA 4" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,893.81		222.58
	For Class 52 Rating, Deduct	-171.22		
	For Class 54 Rating, Add	237.53		
	For Class 55 Rating, Add	355.21		
	For Class 56 Rating, Add	471.33		
40 05 19 00-1051	EA 4" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,959.03		225.45
	For Class 52 Rating, Deduct	-177.92		
	For Class 54 Rating, Add	246.72		
	For Class 55 Rating, Add	368.89		
	For Class 56 Rating, Add	489.44		
40 05 19 00-1052	EA 4" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,024.27		228.34
	For Class 52 Rating, Deduct	-184.61		
	For Class 54 Rating, Add	255.90		
	For Class 55 Rating, Add	382.56		
	For Class 56 Rating, Add	507.55		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1053	EA		4" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,089.49	231.23
			For Class 52 Rating, Deduct	-191.31	
			For Class 54 Rating, Add	265.08	
			For Class 55 Rating, Add	396.24	
			For Class 56 Rating, Add	525.66	
40 05 19 00-1054	EA		4" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,154.71	234.10
			For Class 52 Rating, Deduct	-198.00	
			For Class 54 Rating, Add	274.26	
			For Class 55 Rating, Add	409.92	
			For Class 56 Rating, Add	543.77	
40 05 19 00-1055	EA		4" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,219.94	236.99
			For Class 52 Rating, Deduct	-204.70	
			For Class 54 Rating, Add	283.44	
			For Class 55 Rating, Add	423.59	
			For Class 56 Rating, Add	561.88	
40 05 19 00-1056	EA		4" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,285.17	239.88
			For Class 52 Rating, Deduct	-211.39	
			For Class 54 Rating, Add	292.62	
			For Class 55 Rating, Add	437.27	
			For Class 56 Rating, Add	579.99	
40 05 19 00-1057	EA		4" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,350.39	242.76
			For Class 52 Rating, Deduct	-218.08	
			For Class 54 Rating, Add	301.80	
			For Class 55 Rating, Add	450.94	
			For Class 56 Rating, Add	598.10	
40 05 19 00-1058	EA		4" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,415.63	245.64
			For Class 52 Rating, Deduct	-224.78	
			For Class 54 Rating, Add	310.98	
			For Class 55 Rating, Add	464.62	
			For Class 56 Rating, Add	616.22	
40 05 19 00-1059	EA		4" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,480.85	248.52
			For Class 52 Rating, Deduct	-231.47	
			For Class 54 Rating, Add	320.16	
			For Class 55 Rating, Add	478.30	
			For Class 56 Rating, Add	634.33	
40 05 19 00-1060	EA		4" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,546.08	251.41
			For Class 52 Rating, Deduct	-238.17	
			For Class 54 Rating, Add	329.35	
			For Class 55 Rating, Add	491.97	
			For Class 56 Rating, Add	652.44	
40 05 19 00-1061	EA		4" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,611.30	254.30
			For Class 52 Rating, Deduct	-244.86	
			For Class 54 Rating, Add	338.53	
			For Class 55 Rating, Add	505.65	
			For Class 56 Rating, Add	670.55	
40 05 19 00-1062	EA		4" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,676.53	257.17
			For Class 52 Rating, Deduct	-251.56	
			For Class 54 Rating, Add	347.71	
			For Class 55 Rating, Add	519.33	
			For Class 56 Rating, Add	688.66	
40 05 19 00-1063	EA		4" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,741.75	260.06
			For Class 52 Rating, Deduct	-258.25	
			For Class 54 Rating, Add	356.89	
			For Class 55 Rating, Add	533.00	
			For Class 56 Rating, Add	706.77	
40 05 19 00-1064	EA		4" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,806.99	262.94
			For Class 52 Rating, Deduct	-264.95	
			For Class 54 Rating, Add	366.07	
			For Class 55 Rating, Add	546.68	
			For Class 56 Rating, Add	724.88	
40 05 19 00-1065	EA		4" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,872.21	265.81
			For Class 52 Rating, Deduct	-271.64	
			For Class 54 Rating, Add	375.25	
			For Class 55 Rating, Add	560.36	
			For Class 56 Rating, Add	742.99	
40 05 19 00-1066	EA		4" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,937.44	268.70
			For Class 52 Rating, Deduct	-278.34	
			For Class 54 Rating, Add	384.43	
			For Class 55 Rating, Add	574.03	
			For Class 56 Rating, Add	761.10	
40 05 19 00-1067	EA		4" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,002.67	271.59
			For Class 52 Rating, Deduct	-285.03	
			For Class 54 Rating, Add	393.61	
			For Class 55 Rating, Add	587.71	
			For Class 56 Rating, Add	779.21	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-1068	EA	4" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,067.90	274.48
		For Class 52 Rating, Deduct	-291.72	
		For Class 54 Rating, Add	402.80	
		For Class 55 Rating, Add	601.39	
		For Class 56 Rating, Add	797.32	

40 05 19 00-1069 6" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe

(40 05 19 00-1028)

40 05 19 00-1070	EA	6" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	738.19	207.58
		For Class 52 Rating, Deduct	-46.60	
		For Class 54 Rating, Add	67.32	
		For Class 55 Rating, Add	102.03	
		For Class 56 Rating, Add	136.31	
40 05 19 00-1071	EA	6" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	817.46	210.48
		For Class 52 Rating, Deduct	-54.84	
		For Class 54 Rating, Add	78.61	
		For Class 55 Rating, Add	118.83	
		For Class 56 Rating, Add	158.56	
40 05 19 00-1072	EA	6" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	896.73	213.35
		For Class 52 Rating, Deduct	-63.08	
		For Class 54 Rating, Add	89.90	
		For Class 55 Rating, Add	135.64	
		For Class 56 Rating, Add	180.81	
40 05 19 00-1073	EA	6" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	976.01	216.23
		For Class 52 Rating, Deduct	-71.32	
		For Class 54 Rating, Add	101.19	
		For Class 55 Rating, Add	152.45	
		For Class 56 Rating, Add	203.07	
40 05 19 00-1074	EA	6" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,055.27	219.12
		For Class 52 Rating, Deduct	-79.56	
		For Class 54 Rating, Add	112.48	
		For Class 55 Rating, Add	169.26	
		For Class 56 Rating, Add	225.32	
40 05 19 00-1075	EA	6" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,134.55	221.99
		For Class 52 Rating, Deduct	-87.80	
		For Class 54 Rating, Add	123.76	
		For Class 55 Rating, Add	186.07	
		For Class 56 Rating, Add	247.58	
40 05 19 00-1076	EA	6" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,213.82	224.88
		For Class 52 Rating, Deduct	-96.04	
		For Class 54 Rating, Add	135.05	
		For Class 55 Rating, Add	202.88	
		For Class 56 Rating, Add	269.83	
40 05 19 00-1077	EA	6" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,293.09	227.77
		For Class 52 Rating, Deduct	-104.28	
		For Class 54 Rating, Add	146.34	
		For Class 55 Rating, Add	219.68	
		For Class 56 Rating, Add	292.08	
40 05 19 00-1078	EA	6" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,372.35	230.65
		For Class 52 Rating, Deduct	-112.52	
		For Class 54 Rating, Add	157.63	
		For Class 55 Rating, Add	236.49	
		For Class 56 Rating, Add	314.33	
40 05 19 00-1079	EA	6" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,451.64	233.53
		For Class 52 Rating, Deduct	-120.76	
		For Class 54 Rating, Add	168.92	
		For Class 55 Rating, Add	253.30	
		For Class 56 Rating, Add	336.59	
40 05 19 00-1080	EA	6" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,530.90	236.41
		For Class 52 Rating, Deduct	-129.00	
		For Class 54 Rating, Add	180.20	
		For Class 55 Rating, Add	270.11	
		For Class 56 Rating, Add	358.84	
40 05 19 00-1081	EA	6" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,610.17	239.30
		For Class 52 Rating, Deduct	-137.24	
		For Class 54 Rating, Add	191.49	
		For Class 55 Rating, Add	286.92	
		For Class 56 Rating, Add	381.09	
40 05 19 00-1082	EA	6" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,689.45	242.18
		For Class 52 Rating, Deduct	-145.48	
		For Class 54 Rating, Add	202.78	
		For Class 55 Rating, Add	303.73	
		For Class 56 Rating, Add	403.35	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1083	EA		6" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,768.72	245.06
			For Class 52 Rating, Deduct	-153.72	
			For Class 54 Rating, Add	214.07	
			For Class 55 Rating, Add	320.53	
			For Class 56 Rating, Add	425.60	
40 05 19 00-1084	EA		6" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,847.98	247.95
			For Class 52 Rating, Deduct	-161.95	
			For Class 54 Rating, Add	225.35	
			For Class 55 Rating, Add	337.34	
			For Class 56 Rating, Add	447.86	
40 05 19 00-1085	EA		6" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,927.27	250.83
			For Class 52 Rating, Deduct	-170.19	
			For Class 54 Rating, Add	236.64	
			For Class 55 Rating, Add	354.15	
			For Class 56 Rating, Add	470.11	
40 05 19 00-1086	EA		6" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	2,006.53	253.70
			For Class 52 Rating, Deduct	-178.43	
			For Class 54 Rating, Add	247.93	
			For Class 55 Rating, Add	370.96	
			For Class 56 Rating, Add	492.36	
40 05 19 00-1087	EA		6" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	2,085.80	256.60
			For Class 52 Rating, Deduct	-186.67	
			For Class 54 Rating, Add	259.22	
			For Class 55 Rating, Add	387.77	
			For Class 56 Rating, Add	514.62	
40 05 19 00-1088	EA		6" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	2,165.07	259.48
			For Class 52 Rating, Deduct	-194.91	
			For Class 54 Rating, Add	270.51	
			For Class 55 Rating, Add	404.57	
			For Class 56 Rating, Add	536.87	
40 05 19 00-1089	EA		6" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	2,244.35	262.37
			For Class 52 Rating, Deduct	-203.15	
			For Class 54 Rating, Add	281.79	
			For Class 55 Rating, Add	421.38	
			For Class 56 Rating, Add	559.13	
40 05 19 00-1090	EA		6" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	2,323.61	265.24
			For Class 52 Rating, Deduct	-211.39	
			For Class 54 Rating, Add	293.08	
			For Class 55 Rating, Add	438.19	
			For Class 56 Rating, Add	581.38	
40 05 19 00-1091	EA		6" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	2,402.89	268.12
			For Class 52 Rating, Deduct	-219.63	
			For Class 54 Rating, Add	304.37	
			For Class 55 Rating, Add	455.00	
			For Class 56 Rating, Add	603.63	
40 05 19 00-1092	EA		6" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	2,482.16	271.02
			For Class 52 Rating, Deduct	-227.87	
			For Class 54 Rating, Add	315.66	
			For Class 55 Rating, Add	471.61	
			For Class 56 Rating, Add	625.89	
40 05 19 00-1093	EA		6" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	2,561.43	273.89
			For Class 52 Rating, Deduct	-236.11	
			For Class 54 Rating, Add	326.95	
			For Class 55 Rating, Add	488.62	
			For Class 56 Rating, Add	648.14	
40 05 19 00-1094	EA		6" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	2,640.70	276.78
			For Class 52 Rating, Deduct	-244.35	
			For Class 54 Rating, Add	338.23	
			For Class 55 Rating, Add	505.42	
			For Class 56 Rating, Add	670.39	
40 05 19 00-1095	EA		6" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	2,719.98	279.66
			For Class 52 Rating, Deduct	-252.59	
			For Class 54 Rating, Add	349.52	
			For Class 55 Rating, Add	522.23	
			For Class 56 Rating, Add	692.65	
40 05 19 00-1096	EA		6" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	2,799.24	282.54
			For Class 52 Rating, Deduct	-260.83	
			For Class 54 Rating, Add	360.81	
			For Class 55 Rating, Add	539.04	
			For Class 56 Rating, Add	714.90	
40 05 19 00-1097	EA		6" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	2,878.52	285.43
			For Class 52 Rating, Deduct	-269.07	
			For Class 54 Rating, Add	372.10	
			For Class 55 Rating, Add	555.85	
			For Class 56 Rating, Add	737.15	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-1098	EA	6" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,957.79	288.31
		For Class 52 Rating, Deduct	-277.31	
		For Class 54 Rating, Add	383.39	
		For Class 55 Rating, Add	572.66	
		For Class 56 Rating, Add	759.41	
40 05 19 00-1099	EA	6" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,037.06	291.20
		For Class 52 Rating, Deduct	-285.54	
		For Class 54 Rating, Add	394.67	
		For Class 55 Rating, Add	589.47	
		For Class 56 Rating, Add	781.66	
40 05 19 00-1100	EA	6" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,116.33	294.07
		For Class 52 Rating, Deduct	-293.78	
		For Class 54 Rating, Add	405.96	
		For Class 55 Rating, Add	606.27	
		For Class 56 Rating, Add	803.91	
40 05 19 00-1101	EA	6" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,195.60	296.95
		For Class 52 Rating, Deduct	-302.02	
		For Class 54 Rating, Add	417.25	
		For Class 55 Rating, Add	623.08	
		For Class 56 Rating, Add	826.17	
40 05 19 00-1102	EA	6" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,274.87	299.85
		For Class 52 Rating, Deduct	-310.26	
		For Class 54 Rating, Add	428.54	
		For Class 55 Rating, Add	639.89	
		For Class 56 Rating, Add	848.42	
40 05 19 00-1103	EA	6" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,354.15	302.73
		For Class 52 Rating, Deduct	-318.50	
		For Class 54 Rating, Add	439.82	
		For Class 55 Rating, Add	656.70	
		For Class 56 Rating, Add	870.68	
40 05 19 00-1104	EA	6" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,433.41	305.60
		For Class 52 Rating, Deduct	-326.74	
		For Class 54 Rating, Add	451.11	
		For Class 55 Rating, Add	673.51	
		For Class 56 Rating, Add	892.93	
40 05 19 00-1105	EA	6" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,512.69	308.49
		For Class 52 Rating, Deduct	-334.98	
		For Class 54 Rating, Add	462.40	
		For Class 55 Rating, Add	690.32	
		For Class 56 Rating, Add	915.18	
40 05 19 00-1106	EA	6" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,591.96	311.37
		For Class 52 Rating, Deduct	-343.22	
		For Class 54 Rating, Add	473.69	
		For Class 55 Rating, Add	707.12	
		For Class 56 Rating, Add	937.44	
40 05 19 00-1107	EA	6" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,671.23	314.26
		For Class 52 Rating, Deduct	-351.46	
		For Class 54 Rating, Add	484.98	
		For Class 55 Rating, Add	723.93	
		For Class 56 Rating, Add	959.69	
40 05 19 00-1108	EA	6" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,750.50	317.14
		For Class 52 Rating, Deduct	-359.70	
		For Class 54 Rating, Add	496.26	
		For Class 55 Rating, Add	740.74	
		For Class 56 Rating, Add	981.95	

40 05 19 00-1109 8" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe

(40 05 19 00-1028)

40 05 19 00-1110	EA	8" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,017.49	265.24
		For Class 52 Rating, Deduct	-67.72	
		For Class 54 Rating, Add	97.16	
		For Class 55 Rating, Add	146.93	
		For Class 56 Rating, Add	196.07	
40 05 19 00-1111	EA	8" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,124.86	268.12
		For Class 52 Rating, Deduct	-79.05	
		For Class 54 Rating, Add	112.67	
		For Class 55 Rating, Add	170.00	
		For Class 56 Rating, Add	226.61	
40 05 19 00-1112	EA	8" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,232.21	271.02
		For Class 52 Rating, Deduct	-90.37	
		For Class 54 Rating, Add	128.17	
		For Class 55 Rating, Add	193.07	
		For Class 56 Rating, Add	257.15	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1113	EA		8" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,339.57	273.89
			For Class 52 Rating, Deduct	-101.70	
			For Class 54 Rating, Add	143.67	
			For Class 55 Rating, Add	216.14	
			For Class 56 Rating, Add	287.69	
40 05 19 00-1114	EA		8" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,446.94	276.78
			For Class 52 Rating, Deduct	-113.03	
			For Class 54 Rating, Add	159.17	
			For Class 55 Rating, Add	239.21	
			For Class 56 Rating, Add	318.23	
40 05 19 00-1115	EA		8" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,554.30	279.66
			For Class 52 Rating, Deduct	-124.36	
			For Class 54 Rating, Add	174.67	
			For Class 55 Rating, Add	262.29	
			For Class 56 Rating, Add	348.77	
40 05 19 00-1116	EA		8" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,661.65	282.54
			For Class 52 Rating, Deduct	-135.69	
			For Class 54 Rating, Add	190.17	
			For Class 55 Rating, Add	285.36	
			For Class 56 Rating, Add	379.31	
40 05 19 00-1117	EA		8" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,769.02	285.43
			For Class 52 Rating, Deduct	-147.02	
			For Class 54 Rating, Add	205.67	
			For Class 55 Rating, Add	308.43	
			For Class 56 Rating, Add	409.85	
40 05 19 00-1118	EA		8" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,876.37	288.31
			For Class 52 Rating, Deduct	-158.35	
			For Class 54 Rating, Add	221.17	
			For Class 55 Rating, Add	331.50	
			For Class 56 Rating, Add	440.39	
40 05 19 00-1119	EA		8" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,983.73	291.20
			For Class 52 Rating, Deduct	-169.68	
			For Class 54 Rating, Add	236.67	
			For Class 55 Rating, Add	354.57	
			For Class 56 Rating, Add	470.93	
40 05 19 00-1120	EA		8" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	2,091.10	294.07
			For Class 52 Rating, Deduct	-181.01	
			For Class 54 Rating, Add	252.18	
			For Class 55 Rating, Add	377.65	
			For Class 56 Rating, Add	501.47	
40 05 19 00-1121	EA		8" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	2,198.46	296.95
			For Class 52 Rating, Deduct	-192.34	
			For Class 54 Rating, Add	267.68	
			For Class 55 Rating, Add	400.72	
			For Class 56 Rating, Add	532.01	
40 05 19 00-1122	EA		8" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	2,305.81	299.85
			For Class 52 Rating, Deduct	-203.67	
			For Class 54 Rating, Add	283.18	
			For Class 55 Rating, Add	423.79	
			For Class 56 Rating, Add	562.55	
40 05 19 00-1123	EA		8" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	2,413.18	302.73
			For Class 52 Rating, Deduct	-215.00	
			For Class 54 Rating, Add	298.68	
			For Class 55 Rating, Add	446.86	
			For Class 56 Rating, Add	593.09	
40 05 19 00-1124	EA		8" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	2,520.53	305.60
			For Class 52 Rating, Deduct	-226.32	
			For Class 54 Rating, Add	314.18	
			For Class 55 Rating, Add	469.93	
			For Class 56 Rating, Add	623.63	
40 05 19 00-1125	EA		8" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	2,627.89	308.49
			For Class 52 Rating, Deduct	-237.65	
			For Class 54 Rating, Add	329.68	
			For Class 55 Rating, Add	493.00	
			For Class 56 Rating, Add	654.17	
40 05 19 00-1126	EA		8" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	2,735.26	311.37
			For Class 52 Rating, Deduct	-248.98	
			For Class 54 Rating, Add	345.18	
			For Class 55 Rating, Add	516.08	
			For Class 56 Rating, Add	684.71	
40 05 19 00-1127	EA		8" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	2,842.62	314.26
			For Class 52 Rating, Deduct	-260.31	
			For Class 54 Rating, Add	360.68	
			For Class 55 Rating, Add	539.15	
			For Class 56 Rating, Add	715.25	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-1128	EA	8" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	2,949.97	317.14
		For Class 52 Rating, Deduct	-271.64	
		For Class 54 Rating, Add	376.19	
		For Class 55 Rating, Add	562.22	
		For Class 56 Rating, Add	745.79	
40 05 19 00-1129	EA	8" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	3,057.34	320.02
		For Class 52 Rating, Deduct	-282.97	
		For Class 54 Rating, Add	391.69	
		For Class 55 Rating, Add	585.29	
		For Class 56 Rating, Add	776.33	
40 05 19 00-1130	EA	8" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	3,164.69	322.91
		For Class 52 Rating, Deduct	-294.30	
		For Class 54 Rating, Add	407.19	
		For Class 55 Rating, Add	608.37	
		For Class 56 Rating, Add	806.87	
40 05 19 00-1131	EA	8" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	3,272.05	325.78
		For Class 52 Rating, Deduct	-305.63	
		For Class 54 Rating, Add	422.69	
		For Class 55 Rating, Add	631.44	
		For Class 56 Rating, Add	837.41	
40 05 19 00-1132	EA	8" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	3,379.42	328.68
		For Class 52 Rating, Deduct	-316.96	
		For Class 54 Rating, Add	438.19	
		For Class 55 Rating, Add	654.51	
		For Class 56 Rating, Add	867.95	
40 05 19 00-1133	EA	8" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	3,486.78	331.56
		For Class 52 Rating, Deduct	-328.29	
		For Class 54 Rating, Add	453.69	
		For Class 55 Rating, Add	677.58	
		For Class 56 Rating, Add	898.49	
40 05 19 00-1134	EA	8" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	3,594.13	334.44
		For Class 52 Rating, Deduct	-339.62	
		For Class 54 Rating, Add	469.19	
		For Class 55 Rating, Add	700.65	
		For Class 56 Rating, Add	929.03	
40 05 19 00-1135	EA	8" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	3,701.50	337.32
		For Class 52 Rating, Deduct	-350.94	
		For Class 54 Rating, Add	484.69	
		For Class 55 Rating, Add	723.73	
		For Class 56 Rating, Add	959.57	
40 05 19 00-1136	EA	8" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	3,808.85	340.20
		For Class 52 Rating, Deduct	-362.27	
		For Class 54 Rating, Add	500.19	
		For Class 55 Rating, Add	746.80	
		For Class 56 Rating, Add	990.11	
40 05 19 00-1137	EA	8" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	3,916.21	343.10
		For Class 52 Rating, Deduct	-373.60	
		For Class 54 Rating, Add	515.69	
		For Class 55 Rating, Add	769.87	
		For Class 56 Rating, Add	1,020.65	
40 05 19 00-1138	EA	8" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	4,023.58	345.97
		For Class 52 Rating, Deduct	-384.93	
		For Class 54 Rating, Add	531.20	
		For Class 55 Rating, Add	792.94	
		For Class 56 Rating, Add	1,051.19	
40 05 19 00-1139	EA	8" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	4,130.94	348.85
		For Class 52 Rating, Deduct	-396.26	
		For Class 54 Rating, Add	546.70	
		For Class 55 Rating, Add	816.01	
		For Class 56 Rating, Add	1,081.73	
40 05 19 00-1140	EA	8" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	4,238.29	351.74
		For Class 52 Rating, Deduct	-407.59	
		For Class 54 Rating, Add	562.20	
		For Class 55 Rating, Add	839.09	
		For Class 56 Rating, Add	1,112.27	
40 05 19 00-1141	EA	8" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	4,345.66	354.62
		For Class 52 Rating, Deduct	-418.92	
		For Class 54 Rating, Add	577.70	
		For Class 55 Rating, Add	862.16	
		For Class 56 Rating, Add	1,142.81	
40 05 19 00-1142	EA	8" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	4,453.01	357.51
		For Class 52 Rating, Deduct	-430.25	
		For Class 54 Rating, Add	593.20	
		For Class 55 Rating, Add	885.23	
		For Class 56 Rating, Add	1,173.35	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1143	EA		8" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,560.37	360.39
			For Class 52 Rating, Deduct	-441.58	
			For Class 54 Rating, Add	608.70	
			For Class 55 Rating, Add	908.30	
			For Class 56 Rating, Add	1,203.88	
40 05 19 00-1144	EA		8" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,667.74	363.27
			For Class 52 Rating, Deduct	-452.91	
			For Class 54 Rating, Add	624.20	
			For Class 55 Rating, Add	931.37	
			For Class 56 Rating, Add	1,234.43	
40 05 19 00-1145	EA		8" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,775.10	366.15
			For Class 52 Rating, Deduct	-464.24	
			For Class 54 Rating, Add	639.71	
			For Class 55 Rating, Add	954.45	
			For Class 56 Rating, Add	1,264.97	
40 05 19 00-1146	EA		8" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,882.45	369.03
			For Class 52 Rating, Deduct	-475.56	
			For Class 54 Rating, Add	655.21	
			For Class 55 Rating, Add	977.52	
			For Class 56 Rating, Add	1,295.51	
40 05 19 00-1147	EA		8" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,989.82	371.93
			For Class 52 Rating, Deduct	-486.89	
			For Class 54 Rating, Add	670.71	
			For Class 55 Rating, Add	1,000.59	
			For Class 56 Rating, Add	1,326.05	
40 05 19 00-1148	EA		8" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,097.17	374.81
			For Class 52 Rating, Deduct	-498.22	
			For Class 54 Rating, Add	686.21	
			For Class 55 Rating, Add	1,023.66	
			For Class 56 Rating, Add	1,356.58	
40 05 19 00-1149 10" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-1028)					
40 05 19 00-1150	EA		10" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,282.75	322.91
			For Class 52 Rating, Deduct	-87.29	
			For Class 54 Rating, Add	124.90	
			For Class 55 Rating, Add	188.69	
			For Class 56 Rating, Add	251.70	
40 05 19 00-1151	EA		10" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,422.89	325.78
			For Class 52 Rating, Deduct	-102.22	
			For Class 54 Rating, Add	145.31	
			For Class 55 Rating, Add	219.07	
			For Class 56 Rating, Add	291.90	
40 05 19 00-1152	EA		10" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,563.02	328.68
			For Class 52 Rating, Deduct	-117.15	
			For Class 54 Rating, Add	165.73	
			For Class 55 Rating, Add	249.45	
			For Class 56 Rating, Add	332.11	
40 05 19 00-1153	EA		10" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,703.15	331.56
			For Class 52 Rating, Deduct	-132.09	
			For Class 54 Rating, Add	186.15	
			For Class 55 Rating, Add	279.83	
			For Class 56 Rating, Add	372.32	
40 05 19 00-1154	EA		10" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,843.27	334.44
			For Class 52 Rating, Deduct	-147.02	
			For Class 54 Rating, Add	206.56	
			For Class 55 Rating, Add	310.21	
			For Class 56 Rating, Add	412.52	
40 05 19 00-1155	EA		10" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,983.41	337.32
			For Class 52 Rating, Deduct	-161.95	
			For Class 54 Rating, Add	226.98	
			For Class 55 Rating, Add	340.59	
			For Class 56 Rating, Add	452.73	
40 05 19 00-1156	EA		10" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,123.53	340.20
			For Class 52 Rating, Deduct	-176.89	
			For Class 54 Rating, Add	247.40	
			For Class 55 Rating, Add	370.97	
			For Class 56 Rating, Add	492.94	
40 05 19 00-1157	EA		10" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,263.67	343.10
			For Class 52 Rating, Deduct	-191.82	
			For Class 54 Rating, Add	267.81	
			For Class 55 Rating, Add	401.35	
			For Class 56 Rating, Add	533.15	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-1158	EA	10" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	2,403.80	345.97
		For Class 52 Rating, Deduct	-206.76	
		For Class 54 Rating, Add	288.23	
		For Class 55 Rating, Add	431.73	
		For Class 56 Rating, Add	573.35	
40 05 19 00-1159	EA	10" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	2,543.93	348.85
		For Class 52 Rating, Deduct	-221.69	
		For Class 54 Rating, Add	308.65	
		For Class 55 Rating, Add	462.11	
		For Class 56 Rating, Add	613.56	
40 05 19 00-1160	EA	10" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	2,684.05	351.74
		For Class 52 Rating, Deduct	-236.62	
		For Class 54 Rating, Add	329.06	
		For Class 55 Rating, Add	492.49	
		For Class 56 Rating, Add	653.77	
40 05 19 00-1161	EA	10" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	2,824.19	354.62
		For Class 52 Rating, Deduct	-251.56	
		For Class 54 Rating, Add	349.48	
		For Class 55 Rating, Add	522.87	
		For Class 56 Rating, Add	693.97	
40 05 19 00-1162	EA	10" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	2,964.32	357.51
		For Class 52 Rating, Deduct	-266.49	
		For Class 54 Rating, Add	369.90	
		For Class 55 Rating, Add	553.25	
		For Class 56 Rating, Add	734.18	
40 05 19 00-1163	EA	10" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	3,104.45	360.39
		For Class 52 Rating, Deduct	-281.43	
		For Class 54 Rating, Add	390.31	
		For Class 55 Rating, Add	583.63	
		For Class 56 Rating, Add	774.39	
40 05 19 00-1164	EA	10" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	3,244.58	363.27
		For Class 52 Rating, Deduct	-296.36	
		For Class 54 Rating, Add	410.73	
		For Class 55 Rating, Add	614.01	
		For Class 56 Rating, Add	814.59	
40 05 19 00-1165	EA	10" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	3,384.71	366.15
		For Class 52 Rating, Deduct	-311.29	
		For Class 54 Rating, Add	431.15	
		For Class 55 Rating, Add	644.39	
		For Class 56 Rating, Add	854.80	
40 05 19 00-1166	EA	10" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	3,524.83	369.03
		For Class 52 Rating, Deduct	-326.23	
		For Class 54 Rating, Add	451.56	
		For Class 55 Rating, Add	674.77	
		For Class 56 Rating, Add	895.01	
40 05 19 00-1167	EA	10" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	3,664.97	371.93
		For Class 52 Rating, Deduct	-341.16	
		For Class 54 Rating, Add	471.98	
		For Class 55 Rating, Add	705.15	
		For Class 56 Rating, Add	935.21	
40 05 19 00-1168	EA	10" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		
		Pipe	3,805.10	374.81
		For Class 52 Rating, Deduct	-356.09	
		For Class 54 Rating, Add	492.40	
		For Class 55 Rating, Add	735.53	
		For Class 56 Rating, Add	975.42	
40 05 19 00-1169	EA	10" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		
		Pipe	3,945.23	377.68
		For Class 52 Rating, Deduct	-371.03	
		For Class 54 Rating, Add	512.81	
		For Class 55 Rating, Add	765.91	
		For Class 56 Rating, Add	1,015.63	
40 05 19 00-1170	EA	10" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		
		Pipe	4,085.36	380.57
		For Class 52 Rating, Deduct	-385.96	
		For Class 54 Rating, Add	533.23	
		For Class 55 Rating, Add	796.29	
		For Class 56 Rating, Add	1,055.84	
40 05 19 00-1171	EA	10" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		
		Pipe	4,225.49	383.45
		For Class 52 Rating, Deduct	-400.90	
		For Class 54 Rating, Add	553.65	
		For Class 55 Rating, Add	826.67	
		For Class 56 Rating, Add	1,096.04	
40 05 19 00-1172	EA	10" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		
		Pipe	4,365.61	386.32
		For Class 52 Rating, Deduct	-415.83	
		For Class 54 Rating, Add	574.06	
		For Class 55 Rating, Add	857.05	
		For Class 56 Rating, Add	1,136.25	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1173	EA		10" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,505.75	389.22
			For Class 52 Rating, Deduct	-430.76	
			For Class 54 Rating, Add	594.48	
			For Class 55 Rating, Add	887.43	
			For Class 56 Rating, Add	1,176.46	
40 05 19 00-1174	EA		10" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,645.88	392.10
			For Class 52 Rating, Deduct	-445.70	
			For Class 54 Rating, Add	614.90	
			For Class 55 Rating, Add	917.61	
			For Class 56 Rating, Add	1,216.67	
40 05 19 00-1175	EA		10" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,786.01	394.99
			For Class 52 Rating, Deduct	-460.63	
			For Class 54 Rating, Add	635.31	
			For Class 55 Rating, Add	948.19	
			For Class 56 Rating, Add	1,256.87	
40 05 19 00-1176	EA		10" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,926.14	397.86
			For Class 52 Rating, Deduct	-475.56	
			For Class 54 Rating, Add	655.73	
			For Class 55 Rating, Add	978.57	
			For Class 56 Rating, Add	1,297.08	
40 05 19 00-1177	EA		10" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,066.27	400.75
			For Class 52 Rating, Deduct	-490.50	
			For Class 54 Rating, Add	676.15	
			For Class 55 Rating, Add	1,008.95	
			For Class 56 Rating, Add	1,337.28	
40 05 19 00-1178	EA		10" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,206.39	403.64
			For Class 52 Rating, Deduct	-505.43	
			For Class 54 Rating, Add	696.56	
			For Class 55 Rating, Add	1,039.32	
			For Class 56 Rating, Add	1,377.49	
40 05 19 00-1179	EA		10" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,346.54	406.52
			For Class 52 Rating, Deduct	-520.37	
			For Class 54 Rating, Add	716.98	
			For Class 55 Rating, Add	1,069.71	
			For Class 56 Rating, Add	1,417.70	
40 05 19 00-1180	EA		10" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,486.66	409.40
			For Class 52 Rating, Deduct	-535.30	
			For Class 54 Rating, Add	737.40	
			For Class 55 Rating, Add	1,100.09	
			For Class 56 Rating, Add	1,457.91	
40 05 19 00-1181	EA		10" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,626.79	412.28
			For Class 52 Rating, Deduct	-550.23	
			For Class 54 Rating, Add	757.81	
			For Class 55 Rating, Add	1,130.46	
			For Class 56 Rating, Add	1,498.11	
40 05 19 00-1182	EA		10" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,766.92	415.17
			For Class 52 Rating, Deduct	-565.17	
			For Class 54 Rating, Add	778.23	
			For Class 55 Rating, Add	1,160.84	
			For Class 56 Rating, Add	1,538.32	
40 05 19 00-1183	EA		10" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,907.05	418.05
			For Class 52 Rating, Deduct	-580.10	
			For Class 54 Rating, Add	798.65	
			For Class 55 Rating, Add	1,191.22	
			For Class 56 Rating, Add	1,578.53	
40 05 19 00-1184	EA		10" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,047.17	420.93
			For Class 52 Rating, Deduct	-595.03	
			For Class 54 Rating, Add	819.06	
			For Class 55 Rating, Add	1,221.60	
			For Class 56 Rating, Add	1,618.73	
40 05 19 00-1185	EA		10" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,187.32	423.82
			For Class 52 Rating, Deduct	-609.97	
			For Class 54 Rating, Add	839.48	
			For Class 55 Rating, Add	1,251.98	
			For Class 56 Rating, Add	1,658.94	
40 05 19 00-1186	EA		10" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,327.44	426.70
			For Class 52 Rating, Deduct	-624.90	
			For Class 54 Rating, Add	859.90	
			For Class 55 Rating, Add	1,282.36	
			For Class 56 Rating, Add	1,699.15	
40 05 19 00-1187	EA		10" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,467.57	429.57
			For Class 52 Rating, Deduct	-639.84	
			For Class 54 Rating, Add	880.31	
			For Class 55 Rating, Add	1,312.74	
			For Class 56 Rating, Add	1,739.36	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-1188	EA	10" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,607.70	432.47
		<i>For Class 52 Rating, Deduct</i>	-654.77	
		<i>For Class 54 Rating, Add</i>	900.73	
		<i>For Class 55 Rating, Add</i>	1,343.12	
		<i>For Class 56 Rating, Add</i>	1,779.56	

40 05 19 00-1189 12" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe

(40 05 19 00-1028)

40 05 19 00-1190	EA	12" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,669.57	403.64
		<i>For Class 52 Rating, Deduct</i>	-116.38	
		<i>For Class 54 Rating, Add</i>	166.04	
		<i>For Class 55 Rating, Add</i>	250.61	
		<i>For Class 56 Rating, Add</i>	334.13	
40 05 19 00-1191	EA	12" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,844.82	406.52
		<i>For Class 52 Rating, Deduct</i>	-135.18	
		<i>For Class 54 Rating, Add</i>	191.72	
		<i>For Class 55 Rating, Add</i>	288.82	
		<i>For Class 56 Rating, Add</i>	384.69	
40 05 19 00-1192	EA	12" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,020.05	409.40
		<i>For Class 52 Rating, Deduct</i>	-153.97	
		<i>For Class 54 Rating, Add</i>	217.41	
		<i>For Class 55 Rating, Add</i>	327.03	
		<i>For Class 56 Rating, Add</i>	435.26	
40 05 19 00-1193	EA	12" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,195.29	412.28
		<i>For Class 52 Rating, Deduct</i>	-172.77	
		<i>For Class 54 Rating, Add</i>	243.09	
		<i>For Class 55 Rating, Add</i>	365.24	
		<i>For Class 56 Rating, Add</i>	485.82	
40 05 19 00-1194	EA	12" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,370.54	415.17
		<i>For Class 52 Rating, Deduct</i>	-191.57	
		<i>For Class 54 Rating, Add</i>	268.77	
		<i>For Class 55 Rating, Add</i>	403.45	
		<i>For Class 56 Rating, Add</i>	536.39	
40 05 19 00-1195	EA	12" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,545.78	418.05
		<i>For Class 52 Rating, Deduct</i>	-210.36	
		<i>For Class 54 Rating, Add</i>	294.46	
		<i>For Class 55 Rating, Add</i>	441.66	
		<i>For Class 56 Rating, Add</i>	586.95	
40 05 19 00-1196	EA	12" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,721.01	420.93
		<i>For Class 52 Rating, Deduct</i>	-229.16	
		<i>For Class 54 Rating, Add</i>	320.14	
		<i>For Class 55 Rating, Add</i>	479.87	
		<i>For Class 56 Rating, Add</i>	637.52	
40 05 19 00-1197	EA	12" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,896.26	423.82
		<i>For Class 52 Rating, Deduct</i>	-247.95	
		<i>For Class 54 Rating, Add</i>	345.82	
		<i>For Class 55 Rating, Add</i>	518.08	
		<i>For Class 56 Rating, Add</i>	688.08	
40 05 19 00-1198	EA	12" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,071.50	426.70
		<i>For Class 52 Rating, Deduct</i>	-266.75	
		<i>For Class 54 Rating, Add</i>	371.51	
		<i>For Class 55 Rating, Add</i>	556.29	
		<i>For Class 56 Rating, Add</i>	738.65	
40 05 19 00-1199	EA	12" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,246.74	429.57
		<i>For Class 52 Rating, Deduct</i>	-285.54	
		<i>For Class 54 Rating, Add</i>	397.19	
		<i>For Class 55 Rating, Add</i>	594.50	
		<i>For Class 56 Rating, Add</i>	789.21	
40 05 19 00-1200	EA	12" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,421.98	432.47
		<i>For Class 52 Rating, Deduct</i>	-304.34	
		<i>For Class 54 Rating, Add</i>	422.87	
		<i>For Class 55 Rating, Add</i>	632.71	
		<i>For Class 56 Rating, Add</i>	839.77	
40 05 19 00-1201	EA	12" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,597.22	435.35
		<i>For Class 52 Rating, Deduct</i>	-323.14	
		<i>For Class 54 Rating, Add</i>	448.56	
		<i>For Class 55 Rating, Add</i>	670.92	
		<i>For Class 56 Rating, Add</i>	890.34	
40 05 19 00-1202	EA	12" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,772.46	438.22
		<i>For Class 52 Rating, Deduct</i>	-341.93	
		<i>For Class 54 Rating, Add</i>	474.24	
		<i>For Class 55 Rating, Add</i>	709.13	
		<i>For Class 56 Rating, Add</i>	940.90	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1203	EA		12" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	3,947.71	441.11
			For Class 52 Rating, Deduct	-360.73	
			For Class 54 Rating, Add	499.92	
			For Class 55 Rating, Add	747.34	
			For Class 56 Rating, Add	991.47	
40 05 19 00-1204	EA		12" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	4,122.94	444.00
			For Class 52 Rating, Deduct	-379.52	
			For Class 54 Rating, Add	525.61	
			For Class 55 Rating, Add	785.54	
			For Class 56 Rating, Add	1,042.03	
40 05 19 00-1205	EA		12" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	4,298.18	446.89
			For Class 52 Rating, Deduct	-398.32	
			For Class 54 Rating, Add	551.29	
			For Class 55 Rating, Add	823.75	
			For Class 56 Rating, Add	1,092.60	
40 05 19 00-1206	EA		12" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	4,473.43	449.76
			For Class 52 Rating, Deduct	-417.12	
			For Class 54 Rating, Add	576.97	
			For Class 55 Rating, Add	861.96	
			For Class 56 Rating, Add	1,143.16	
40 05 19 00-1207	EA		12" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	4,648.67	452.64
			For Class 52 Rating, Deduct	-435.91	
			For Class 54 Rating, Add	602.66	
			For Class 55 Rating, Add	900.17	
			For Class 56 Rating, Add	1,193.73	
40 05 19 00-1208	EA		12" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile		
			Iron Pipe	4,823.90	455.53
			For Class 52 Rating, Deduct	-454.71	
			For Class 54 Rating, Add	628.34	
			For Class 55 Rating, Add	938.38	
			For Class 56 Rating, Add	1,244.29	
40 05 19 00-1209	EA		12" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile		
			Iron Pipe	4,999.15	458.40
			For Class 52 Rating, Deduct	-473.50	
			For Class 54 Rating, Add	654.02	
			For Class 55 Rating, Add	976.59	
			For Class 56 Rating, Add	1,294.86	
40 05 19 00-1210	EA		12" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile		
			Iron Pipe	5,174.39	461.30
			For Class 52 Rating, Deduct	-492.30	
			For Class 54 Rating, Add	679.71	
			For Class 55 Rating, Add	1,014.80	
			For Class 56 Rating, Add	1,345.42	
40 05 19 00-1211	EA		12" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile		
			Iron Pipe	5,349.63	464.18
			For Class 52 Rating, Deduct	-511.10	
			For Class 54 Rating, Add	705.39	
			For Class 55 Rating, Add	1,053.01	
			For Class 56 Rating, Add	1,395.99	
40 05 19 00-1212	EA		12" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile		
			Iron Pipe	5,524.87	467.06
			For Class 52 Rating, Deduct	-529.89	
			For Class 54 Rating, Add	731.07	
			For Class 55 Rating, Add	1,091.22	
			For Class 56 Rating, Add	1,446.55	
40 05 19 00-1213	EA		12" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile		
			Iron Pipe	5,700.11	469.94
			For Class 52 Rating, Deduct	-548.69	
			For Class 54 Rating, Add	756.75	
			For Class 55 Rating, Add	1,129.43	
			For Class 56 Rating, Add	1,497.11	
40 05 19 00-1214	EA		12" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile		
			Iron Pipe	5,875.35	472.82
			For Class 52 Rating, Deduct	-567.48	
			For Class 54 Rating, Add	782.44	
			For Class 55 Rating, Add	1,167.64	
			For Class 56 Rating, Add	1,547.68	
40 05 19 00-1215	EA		12" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile		
			Iron Pipe	6,050.60	475.72
			For Class 52 Rating, Deduct	-586.28	
			For Class 54 Rating, Add	808.12	
			For Class 55 Rating, Add	1,205.85	
			For Class 56 Rating, Add	1,598.24	
40 05 19 00-1216	EA		12" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile		
			Iron Pipe	6,225.83	478.60
			For Class 52 Rating, Deduct	-605.08	
			For Class 54 Rating, Add	833.81	
			For Class 55 Rating, Add	1,244.06	
			For Class 56 Rating, Add	1,648.81	
40 05 19 00-1217	EA		12" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile		
			Iron Pipe	6,401.07	481.47
			For Class 52 Rating, Deduct	-623.87	
			For Class 54 Rating, Add	859.49	
			For Class 55 Rating, Add	1,282.27	
			For Class 56 Rating, Add	1,699.37	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-1218	EA	12" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,576.32	484.36
		For Class 52 Rating, Deduct	-642.67	
		For Class 54 Rating, Add	885.17	
		For Class 55 Rating, Add	1,320.48	
		For Class 56 Rating, Add	1,749.94	
40 05 19 00-1219	EA	12" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,751.56	487.25
		For Class 52 Rating, Deduct	-661.46	
		For Class 54 Rating, Add	910.86	
		For Class 55 Rating, Add	1,358.69	
		For Class 56 Rating, Add	1,800.50	
40 05 19 00-1220	EA	12" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,926.79	490.12
		For Class 52 Rating, Deduct	-680.26	
		For Class 54 Rating, Add	936.54	
		For Class 55 Rating, Add	1,396.89	
		For Class 56 Rating, Add	1,851.07	
40 05 19 00-1221	EA	12" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,102.04	493.01
		For Class 52 Rating, Deduct	-699.06	
		For Class 54 Rating, Add	962.22	
		For Class 55 Rating, Add	1,435.10	
		For Class 56 Rating, Add	1,901.63	
40 05 19 00-1222	EA	12" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,277.28	495.89
		For Class 52 Rating, Deduct	-717.85	
		For Class 54 Rating, Add	987.91	
		For Class 55 Rating, Add	1,473.31	
		For Class 56 Rating, Add	1,952.20	
40 05 19 00-1223	EA	12" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,452.52	498.78
		For Class 52 Rating, Deduct	-736.65	
		For Class 54 Rating, Add	1,013.59	
		For Class 55 Rating, Add	1,511.52	
		For Class 56 Rating, Add	2,002.76	
40 05 19 00-1224	EA	12" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,627.76	501.65
		For Class 52 Rating, Deduct	-755.44	
		For Class 54 Rating, Add	1,039.27	
		For Class 55 Rating, Add	1,549.73	
		For Class 56 Rating, Add	2,053.33	
40 05 19 00-1225	EA	12" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,803.00	504.55
		For Class 52 Rating, Deduct	-774.24	
		For Class 54 Rating, Add	1,064.95	
		For Class 55 Rating, Add	1,587.94	
		For Class 56 Rating, Add	2,103.89	
40 05 19 00-1226	EA	12" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,978.24	507.43
		For Class 52 Rating, Deduct	-793.04	
		For Class 54 Rating, Add	1,090.64	
		For Class 55 Rating, Add	1,626.15	
		For Class 56 Rating, Add	2,154.46	
40 05 19 00-1227	EA	12" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,153.49	510.30
		For Class 52 Rating, Deduct	-811.83	
		For Class 54 Rating, Add	1,116.32	
		For Class 55 Rating, Add	1,664.36	
		For Class 56 Rating, Add	2,205.02	
40 05 19 00-1228	EA	12" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,328.72	513.19
		For Class 52 Rating, Deduct	-830.63	
		For Class 54 Rating, Add	1,142.00	
		For Class 55 Rating, Add	1,702.57	
		For Class 56 Rating, Add	2,255.58	

40 05 19 00-1229 14" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe

(40 05 19 00-1028)

40 05 19 00-1230	EA	14" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,243.64	484.36
		For Class 52 Rating, Deduct	-166.07	
		For Class 54 Rating, Add	235.27	
		For Class 55 Rating, Add	354.29	
		For Class 56 Rating, Add	471.80	
40 05 19 00-1231	EA	14" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,456.34	487.25
		For Class 52 Rating, Deduct	-188.99	
		For Class 54 Rating, Add	266.57	
		For Class 55 Rating, Add	400.85	
		For Class 56 Rating, Add	533.41	
40 05 19 00-1232	EA	14" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,669.02	490.12
		For Class 52 Rating, Deduct	-211.91	
		For Class 54 Rating, Add	297.87	
		For Class 55 Rating, Add	447.41	
		For Class 56 Rating, Add	595.02	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1233	EA		14" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	2,881.73	493.01
			For Class 52 Rating, Deduct	-234.82	
			For Class 54 Rating, Add	329.17	
			For Class 55 Rating, Add	493.97	
			For Class 56 Rating, Add	656.64	
40 05 19 00-1234	EA		14" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	3,094.41	495.89
			For Class 52 Rating, Deduct	-257.74	
			For Class 54 Rating, Add	360.48	
			For Class 55 Rating, Add	540.53	
			For Class 56 Rating, Add	718.25	
40 05 19 00-1235	EA		14" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	3,307.10	498.78
			For Class 52 Rating, Deduct	-280.65	
			For Class 54 Rating, Add	391.78	
			For Class 55 Rating, Add	587.10	
			For Class 56 Rating, Add	779.86	
40 05 19 00-1236	EA		14" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	3,519.80	501.65
			For Class 52 Rating, Deduct	-303.57	
			For Class 54 Rating, Add	423.08	
			For Class 55 Rating, Add	633.66	
			For Class 56 Rating, Add	841.48	
40 05 19 00-1237	EA		14" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	3,732.49	504.55
			For Class 52 Rating, Deduct	-326.48	
			For Class 54 Rating, Add	454.38	
			For Class 55 Rating, Add	680.22	
			For Class 56 Rating, Add	903.09	
40 05 19 00-1238	EA		14" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	3,945.18	507.43
			For Class 52 Rating, Deduct	-349.40	
			For Class 54 Rating, Add	485.68	
			For Class 55 Rating, Add	726.78	
			For Class 56 Rating, Add	964.70	
40 05 19 00-1239	EA		14" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	4,157.88	510.30
			For Class 52 Rating, Deduct	-372.31	
			For Class 54 Rating, Add	516.98	
			For Class 55 Rating, Add	773.34	
			For Class 56 Rating, Add	1,026.32	
40 05 19 00-1240	EA		14" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	4,370.57	513.19
			For Class 52 Rating, Deduct	-395.23	
			For Class 54 Rating, Add	548.28	
			For Class 55 Rating, Add	819.90	
			For Class 56 Rating, Add	1,087.93	
40 05 19 00-1241	EA		14" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	4,583.26	516.07
			For Class 52 Rating, Deduct	-418.15	
			For Class 54 Rating, Add	579.58	
			For Class 55 Rating, Add	866.46	
			For Class 56 Rating, Add	1,149.54	
40 05 19 00-1242	EA		14" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	4,795.95	518.97
			For Class 52 Rating, Deduct	-441.06	
			For Class 54 Rating, Add	610.88	
			For Class 55 Rating, Add	913.02	
			For Class 56 Rating, Add	1,211.15	
40 05 19 00-1243	EA		14" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	5,008.65	521.84
			For Class 52 Rating, Deduct	-463.98	
			For Class 54 Rating, Add	642.19	
			For Class 55 Rating, Add	959.59	
			For Class 56 Rating, Add	1,272.77	
40 05 19 00-1244	EA		14" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	5,221.33	524.72
			For Class 52 Rating, Deduct	-486.89	
			For Class 54 Rating, Add	673.49	
			For Class 55 Rating, Add	1,006.15	
			For Class 56 Rating, Add	1,334.38	
40 05 19 00-1245	EA		14" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	5,434.04	527.61
			For Class 52 Rating, Deduct	-509.81	
			For Class 54 Rating, Add	704.79	
			For Class 55 Rating, Add	1,052.71	
			For Class 56 Rating, Add	1,395.99	
40 05 19 00-1246	EA		14" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	5,646.72	530.48
			For Class 52 Rating, Deduct	-532.72	
			For Class 54 Rating, Add	736.09	
			For Class 55 Rating, Add	1,099.27	
			For Class 56 Rating, Add	1,457.61	
40 05 19 00-1247	EA		14" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	5,859.41	533.37
			For Class 52 Rating, Deduct	-555.64	
			For Class 54 Rating, Add	767.39	
			For Class 55 Rating, Add	1,145.83	
			For Class 56 Rating, Add	1,519.22	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-1248	EA	14" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,072.11	536.26
		For Class 52 Rating, Deduct	-578.56	
		For Class 54 Rating, Add	798.69	
		For Class 55 Rating, Add	1,192.39	
		For Class 56 Rating, Add	1,580.83	
40 05 19 00-1249	EA	14" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,284.80	539.14
		For Class 52 Rating, Deduct	-601.47	
		For Class 54 Rating, Add	829.99	
		For Class 55 Rating, Add	1,238.95	
		For Class 56 Rating, Add	1,642.44	
40 05 19 00-1250	EA	14" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,497.49	542.02
		For Class 52 Rating, Deduct	-624.39	
		For Class 54 Rating, Add	861.29	
		For Class 55 Rating, Add	1,285.51	
		For Class 56 Rating, Add	1,704.06	
40 05 19 00-1251	EA	14" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,710.18	544.90
		For Class 52 Rating, Deduct	-647.30	
		For Class 54 Rating, Add	892.59	
		For Class 55 Rating, Add	1,332.07	
		For Class 56 Rating, Add	1,765.67	
40 05 19 00-1252	EA	14" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,922.87	547.79
		For Class 52 Rating, Deduct	-670.22	
		For Class 54 Rating, Add	923.89	
		For Class 55 Rating, Add	1,378.63	
		For Class 56 Rating, Add	1,827.28	
40 05 19 00-1253	EA	14" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,135.57	550.68
		For Class 52 Rating, Deduct	-693.13	
		For Class 54 Rating, Add	955.20	
		For Class 55 Rating, Add	1,425.20	
		For Class 56 Rating, Add	1,888.90	
40 05 19 00-1254	EA	14" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,348.25	553.55
		For Class 52 Rating, Deduct	-716.05	
		For Class 54 Rating, Add	986.50	
		For Class 55 Rating, Add	1,471.76	
		For Class 56 Rating, Add	1,950.51	
40 05 19 00-1255	EA	14" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,560.96	556.44
		For Class 52 Rating, Deduct	-738.97	
		For Class 54 Rating, Add	1,017.80	
		For Class 55 Rating, Add	1,518.32	
		For Class 56 Rating, Add	2,012.12	
40 05 19 00-1256	EA	14" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,773.64	559.33
		For Class 52 Rating, Deduct	-761.88	
		For Class 54 Rating, Add	1,049.10	
		For Class 55 Rating, Add	1,564.88	
		For Class 56 Rating, Add	2,073.73	
40 05 19 00-1257	EA	14" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,986.33	562.20
		For Class 52 Rating, Deduct	-784.80	
		For Class 54 Rating, Add	1,080.40	
		For Class 55 Rating, Add	1,611.44	
		For Class 56 Rating, Add	2,135.35	
40 05 19 00-1258	EA	14" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,199.03	565.09
		For Class 52 Rating, Deduct	-807.71	
		For Class 54 Rating, Add	1,111.70	
		For Class 55 Rating, Add	1,658.00	
		For Class 56 Rating, Add	2,196.96	
40 05 19 00-1259	EA	14" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,411.72	567.97
		For Class 52 Rating, Deduct	-830.63	
		For Class 54 Rating, Add	1,143.00	
		For Class 55 Rating, Add	1,704.56	
		For Class 56 Rating, Add	2,258.57	
40 05 19 00-1260	EA	14" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,624.41	570.86
		For Class 52 Rating, Deduct	-853.54	
		For Class 54 Rating, Add	1,174.30	
		For Class 55 Rating, Add	1,751.12	
		For Class 56 Rating, Add	2,320.19	
40 05 19 00-1261	EA	14" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,837.11	573.73
		For Class 52 Rating, Deduct	-876.46	
		For Class 54 Rating, Add	1,205.60	
		For Class 55 Rating, Add	1,797.68	
		For Class 56 Rating, Add	2,381.80	
40 05 19 00-1262	EA	14" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,049.80	576.62
		For Class 52 Rating, Deduct	-899.38	
		For Class 54 Rating, Add	1,236.90	
		For Class 55 Rating, Add	1,844.25	
		For Class 56 Rating, Add	2,443.41	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1263	EA	14" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,262.49	579.51
		For Class 52 Rating, Deduct	-922.29	
		For Class 54 Rating, Add	1,268.21	
		For Class 55 Rating, Add	1,890.81	
		For Class 56 Rating, Add	2,505.02	
40 05 19 00-1264	EA	14" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,475.18	582.38
		For Class 52 Rating, Deduct	-945.21	
		For Class 54 Rating, Add	1,299.51	
		For Class 55 Rating, Add	1,937.37	
		For Class 56 Rating, Add	2,566.64	
40 05 19 00-1265	EA	14" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,687.88	585.26
		For Class 52 Rating, Deduct	-968.12	
		For Class 54 Rating, Add	1,330.81	
		For Class 55 Rating, Add	1,983.93	
		For Class 56 Rating, Add	2,628.25	
40 05 19 00-1266	EA	14" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,900.56	588.15
		For Class 52 Rating, Deduct	-991.04	
		For Class 54 Rating, Add	1,362.11	
		For Class 55 Rating, Add	2,030.49	
		For Class 56 Rating, Add	2,689.86	
40 05 19 00-1267	EA	14" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,113.27	591.04
		For Class 52 Rating, Deduct	-1,013.95	
		For Class 54 Rating, Add	1,393.41	
		For Class 55 Rating, Add	2,077.05	
		For Class 56 Rating, Add	2,751.48	
40 05 19 00-1268		16" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-1028)		
40 05 19 00-1269	EA	16" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,624.68	553.55
		For Class 52 Rating, Deduct	-196.46	
		For Class 54 Rating, Add	277.96	
		For Class 55 Rating, Add	418.40	
		For Class 56 Rating, Add	557.05	
40 05 19 00-1270	EA	16" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,872.49	556.44
		For Class 52 Rating, Deduct	-223.23	
		For Class 54 Rating, Add	314.53	
		For Class 55 Rating, Add	472.79	
		For Class 56 Rating, Add	629.02	
40 05 19 00-1271	EA	16" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,120.29	559.33
		For Class 52 Rating, Deduct	-250.01	
		For Class 54 Rating, Add	351.10	
		For Class 55 Rating, Add	527.18	
		For Class 56 Rating, Add	701.00	
40 05 19 00-1272	EA	16" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,368.09	562.20
		For Class 52 Rating, Deduct	-276.79	
		For Class 54 Rating, Add	387.66	
		For Class 55 Rating, Add	581.57	
		For Class 56 Rating, Add	772.97	
40 05 19 00-1273	EA	16" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,615.90	565.09
		For Class 52 Rating, Deduct	-303.57	
		For Class 54 Rating, Add	424.23	
		For Class 55 Rating, Add	635.96	
		For Class 56 Rating, Add	844.94	
40 05 19 00-1274	EA	16" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,863.70	567.97
		For Class 52 Rating, Deduct	-330.35	
		For Class 54 Rating, Add	460.80	
		For Class 55 Rating, Add	690.35	
		For Class 56 Rating, Add	916.91	
40 05 19 00-1275	EA	16" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,111.50	570.86
		For Class 52 Rating, Deduct	-357.12	
		For Class 54 Rating, Add	497.37	
		For Class 55 Rating, Add	744.75	
		For Class 56 Rating, Add	988.88	
40 05 19 00-1276	EA	16" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,359.31	573.73
		For Class 52 Rating, Deduct	-383.90	
		For Class 54 Rating, Add	533.93	
		For Class 55 Rating, Add	799.14	
		For Class 56 Rating, Add	1,060.85	
40 05 19 00-1277	EA	16" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,607.11	576.62
		For Class 52 Rating, Deduct	-410.68	
		For Class 54 Rating, Add	570.50	
		For Class 55 Rating, Add	853.53	
		For Class 56 Rating, Add	1,132.82	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-1278	EA	16" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	4,854.91	579.51
		For Class 52 Rating, Deduct	-437.46	
		For Class 54 Rating, Add	607.07	
		For Class 55 Rating, Add	907.92	
		For Class 56 Rating, Add	1,204.79	
40 05 19 00-1279	EA	16" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	5,102.72	582.38
		For Class 52 Rating, Deduct	-464.24	
		For Class 54 Rating, Add	643.64	
		For Class 55 Rating, Add	962.31	
		For Class 56 Rating, Add	1,276.76	
40 05 19 00-1280	EA	16" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	5,350.52	585.26
		For Class 52 Rating, Deduct	-491.01	
		For Class 54 Rating, Add	680.20	
		For Class 55 Rating, Add	1,016.70	
		For Class 56 Rating, Add	1,348.73	
40 05 19 00-1281	EA	16" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	5,598.32	588.15
		For Class 52 Rating, Deduct	-517.79	
		For Class 54 Rating, Add	716.77	
		For Class 55 Rating, Add	1,071.09	
		For Class 56 Rating, Add	1,420.70	
40 05 19 00-1282	EA	16" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	5,846.13	591.04
		For Class 52 Rating, Deduct	-544.57	
		For Class 54 Rating, Add	753.34	
		For Class 55 Rating, Add	1,125.48	
		For Class 56 Rating, Add	1,492.67	
40 05 19 00-1283	EA	16" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	6,093.93	593.92
		For Class 52 Rating, Deduct	-571.35	
		For Class 54 Rating, Add	789.91	
		For Class 55 Rating, Add	1,179.87	
		For Class 56 Rating, Add	1,564.64	
40 05 19 00-1284	EA	16" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	6,341.73	596.80
		For Class 52 Rating, Deduct	-598.12	
		For Class 54 Rating, Add	826.47	
		For Class 55 Rating, Add	1,234.26	
		For Class 56 Rating, Add	1,636.61	
40 05 19 00-1285	EA	16" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	6,589.54	599.68
		For Class 52 Rating, Deduct	-624.90	
		For Class 54 Rating, Add	863.04	
		For Class 55 Rating, Add	1,288.65	
		For Class 56 Rating, Add	1,708.58	
40 05 19 00-1286	EA	16" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	6,837.34	602.56
		For Class 52 Rating, Deduct	-651.68	
		For Class 54 Rating, Add	899.61	
		For Class 55 Rating, Add	1,343.04	
		For Class 56 Rating, Add	1,780.55	
40 05 19 00-1287	EA	16" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,085.14	605.45
		For Class 52 Rating, Deduct	-678.46	
		For Class 54 Rating, Add	936.18	
		For Class 55 Rating, Add	1,397.44	
		For Class 56 Rating, Add	1,852.53	
40 05 19 00-1288	EA	16" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,332.95	608.34
		For Class 52 Rating, Deduct	-705.24	
		For Class 54 Rating, Add	972.75	
		For Class 55 Rating, Add	1,451.83	
		For Class 56 Rating, Add	1,924.49	
40 05 19 00-1289	EA	16" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,580.75	611.22
		For Class 52 Rating, Deduct	-732.01	
		For Class 54 Rating, Add	1,009.31	
		For Class 55 Rating, Add	1,506.22	
		For Class 56 Rating, Add	1,996.47	
40 05 19 00-1290	EA	16" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,828.55	614.09
		For Class 52 Rating, Deduct	-758.79	
		For Class 54 Rating, Add	1,045.88	
		For Class 55 Rating, Add	1,560.61	
		For Class 56 Rating, Add	2,068.44	
40 05 19 00-1291	EA	16" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,076.36	616.98
		For Class 52 Rating, Deduct	-785.57	
		For Class 54 Rating, Add	1,082.45	
		For Class 55 Rating, Add	1,615.00	
		For Class 56 Rating, Add	2,140.41	
40 05 19 00-1292	EA	16" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,324.16	619.87
		For Class 52 Rating, Deduct	-812.35	
		For Class 54 Rating, Add	1,119.02	
		For Class 55 Rating, Add	1,669.39	
		For Class 56 Rating, Add	2,212.38	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1293	EA		16" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,571.96	622.76
			For Class 52 Rating, Deduct	-839.13	
			For Class 54 Rating, Add	1,155.58	
			For Class 55 Rating, Add	1,723.78	
			For Class 56 Rating, Add	2,284.35	
40 05 19 00-1294	EA		16" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,819.77	625.63
			For Class 52 Rating, Deduct	-865.90	
			For Class 54 Rating, Add	1,192.15	
			For Class 55 Rating, Add	1,778.17	
			For Class 56 Rating, Add	2,356.32	
40 05 19 00-1295	EA		16" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,067.57	628.51
			For Class 52 Rating, Deduct	-892.68	
			For Class 54 Rating, Add	1,228.72	
			For Class 55 Rating, Add	1,832.56	
			For Class 56 Rating, Add	2,428.29	
40 05 19 00-1296	EA		16" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,315.37	631.40
			For Class 52 Rating, Deduct	-919.46	
			For Class 54 Rating, Add	1,265.29	
			For Class 55 Rating, Add	1,886.95	
			For Class 56 Rating, Add	2,500.26	
40 05 19 00-1297	EA		16" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,563.18	634.28
			For Class 52 Rating, Deduct	-946.24	
			For Class 54 Rating, Add	1,301.85	
			For Class 55 Rating, Add	1,941.34	
			For Class 56 Rating, Add	2,572.23	
40 05 19 00-1298	EA		16" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,810.98	637.16
			For Class 52 Rating, Deduct	-973.01	
			For Class 54 Rating, Add	1,338.42	
			For Class 55 Rating, Add	1,995.73	
			For Class 56 Rating, Add	2,644.20	
40 05 19 00-1299	EA		16" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,058.78	640.05
			For Class 52 Rating, Deduct	-999.79	
			For Class 54 Rating, Add	1,374.99	
			For Class 55 Rating, Add	2,050.13	
			For Class 56 Rating, Add	2,716.17	
40 05 19 00-1300	EA		16" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,306.59	642.93
			For Class 52 Rating, Deduct	-1,026.57	
			For Class 54 Rating, Add	1,411.56	
			For Class 55 Rating, Add	2,104.52	
			For Class 56 Rating, Add	2,788.14	
40 05 19 00-1301	EA		16" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,554.39	645.81
			For Class 52 Rating, Deduct	-1,053.35	
			For Class 54 Rating, Add	1,448.13	
			For Class 55 Rating, Add	2,158.91	
			For Class 56 Rating, Add	2,860.11	
40 05 19 00-1302	EA		16" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,802.19	648.70
			For Class 52 Rating, Deduct	-1,080.13	
			For Class 54 Rating, Add	1,484.69	
			For Class 55 Rating, Add	2,213.30	
			For Class 56 Rating, Add	2,932.08	
40 05 19 00-1303	EA		16" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,050.00	651.58
			For Class 52 Rating, Deduct	-1,106.90	
			For Class 54 Rating, Add	1,521.26	
			For Class 55 Rating, Add	2,267.69	
			For Class 56 Rating, Add	3,004.05	
40 05 19 00-1304	EA		16" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,297.80	654.46
			For Class 52 Rating, Deduct	-1,133.68	
			For Class 54 Rating, Add	1,557.83	
			For Class 55 Rating, Add	2,322.08	
			For Class 56 Rating, Add	3,076.02	
40 05 19 00-1305	EA		16" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,545.59	657.34
			For Class 52 Rating, Deduct	-1,160.46	
			For Class 54 Rating, Add	1,594.39	
			For Class 55 Rating, Add	2,376.47	
			For Class 56 Rating, Add	3,147.99	
40 05 19 00-1306	EA		16" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,793.41	660.23
			For Class 52 Rating, Deduct	-1,187.24	
			For Class 54 Rating, Add	1,630.96	
			For Class 55 Rating, Add	2,430.86	
			For Class 56 Rating, Add	3,219.97	
40 05 19 00-1307			18" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-1028)		

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-1308	EA	18" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,040.25	623.91
		For Class 52 Rating, Deduct	-230.44	
		For Class 54 Rating, Add	325.58	
		For Class 55 Rating, Add	489.86	
		For Class 56 Rating, Add	652.04	
40 05 19 00-1309	EA	18" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,325.51	626.79
		For Class 52 Rating, Deduct	-261.34	
		For Class 54 Rating, Add	367.77	
		For Class 55 Rating, Add	552.60	
		For Class 56 Rating, Add	735.06	
40 05 19 00-1310	EA	18" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,610.76	629.66
		For Class 52 Rating, Deduct	-292.24	
		For Class 54 Rating, Add	409.96	
		For Class 55 Rating, Add	615.35	
		For Class 56 Rating, Add	818.08	
40 05 19 00-1311	EA	18" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,896.02	632.56
		For Class 52 Rating, Deduct	-323.14	
		For Class 54 Rating, Add	452.14	
		For Class 55 Rating, Add	678.09	
		For Class 56 Rating, Add	901.10	
40 05 19 00-1312	EA	18" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,181.27	635.44
		For Class 52 Rating, Deduct	-354.03	
		For Class 54 Rating, Add	494.33	
		For Class 55 Rating, Add	740.83	
		For Class 56 Rating, Add	984.11	
40 05 19 00-1313	EA	18" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,466.53	638.31
		For Class 52 Rating, Deduct	-384.93	
		For Class 54 Rating, Add	536.51	
		For Class 55 Rating, Add	803.57	
		For Class 56 Rating, Add	1,067.13	
40 05 19 00-1314	EA	18" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,751.78	641.20
		For Class 52 Rating, Deduct	-415.83	
		For Class 54 Rating, Add	578.70	
		For Class 55 Rating, Add	866.31	
		For Class 56 Rating, Add	1,150.15	
40 05 19 00-1315	EA	18" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,037.04	644.08
		For Class 52 Rating, Deduct	-446.73	
		For Class 54 Rating, Add	620.88	
		For Class 55 Rating, Add	929.06	
		For Class 56 Rating, Add	1,233.17	
40 05 19 00-1316	EA	18" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,322.29	646.98
		For Class 52 Rating, Deduct	-477.62	
		For Class 54 Rating, Add	663.07	
		For Class 55 Rating, Add	991.80	
		For Class 56 Rating, Add	1,316.19	
40 05 19 00-1317	EA	18" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,607.55	649.85
		For Class 52 Rating, Deduct	-508.52	
		For Class 54 Rating, Add	705.25	
		For Class 55 Rating, Add	1,054.54	
		For Class 56 Rating, Add	1,399.21	
40 05 19 00-1318	EA	18" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,892.80	652.73
		For Class 52 Rating, Deduct	-539.42	
		For Class 54 Rating, Add	747.44	
		For Class 55 Rating, Add	1,117.29	
		For Class 56 Rating, Add	1,482.23	
40 05 19 00-1319	EA	18" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,178.05	655.62
		For Class 52 Rating, Deduct	-570.32	
		For Class 54 Rating, Add	789.62	
		For Class 55 Rating, Add	1,180.03	
		For Class 56 Rating, Add	1,565.24	
40 05 19 00-1320	EA	18" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,463.31	658.49
		For Class 52 Rating, Deduct	-601.21	
		For Class 54 Rating, Add	831.81	
		For Class 55 Rating, Add	1,242.77	
		For Class 56 Rating, Add	1,648.26	
40 05 19 00-1321	EA	18" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,748.57	661.38
		For Class 52 Rating, Deduct	-632.11	
		For Class 54 Rating, Add	874.00	
		For Class 55 Rating, Add	1,305.51	
		For Class 56 Rating, Add	1,731.28	
40 05 19 00-1322	EA	18" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,033.81	664.27
		For Class 52 Rating, Deduct	-663.01	
		For Class 54 Rating, Add	916.18	
		For Class 55 Rating, Add	1,368.25	
		For Class 56 Rating, Add	1,814.30	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1323	EA		18" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,319.08	667.15
			For Class 52 Rating, Deduct	-693.91	
			For Class 54 Rating, Add	958.37	
			For Class 55 Rating, Add	1,431.00	
			For Class 56 Rating, Add	1,897.32	
40 05 19 00-1324	EA		18" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,604.33	670.03
			For Class 52 Rating, Deduct	-724.80	
			For Class 54 Rating, Add	1,000.55	
			For Class 55 Rating, Add	1,493.74	
			For Class 56 Rating, Add	1,980.34	
40 05 19 00-1325	EA		18" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,889.58	672.91
			For Class 52 Rating, Deduct	-755.70	
			For Class 54 Rating, Add	1,042.74	
			For Class 55 Rating, Add	1,556.48	
			For Class 56 Rating, Add	2,063.36	
40 05 19 00-1326	EA		18" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,174.84	675.81
			For Class 52 Rating, Deduct	-786.60	
			For Class 54 Rating, Add	1,084.92	
			For Class 55 Rating, Add	1,619.23	
			For Class 56 Rating, Add	2,146.38	
40 05 19 00-1327	EA		18" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,460.10	678.68
			For Class 52 Rating, Deduct	-817.50	
			For Class 54 Rating, Add	1,127.11	
			For Class 55 Rating, Add	1,681.97	
			For Class 56 Rating, Add	2,229.40	
40 05 19 00-1328	EA		18" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,745.34	681.56
			For Class 52 Rating, Deduct	-848.39	
			For Class 54 Rating, Add	1,169.29	
			For Class 55 Rating, Add	1,744.71	
			For Class 56 Rating, Add	2,312.41	
40 05 19 00-1329	EA		18" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,030.61	684.45
			For Class 52 Rating, Deduct	-879.29	
			For Class 54 Rating, Add	1,211.48	
			For Class 55 Rating, Add	1,807.45	
			For Class 56 Rating, Add	2,395.43	
40 05 19 00-1330	EA		18" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,315.86	687.33
			For Class 52 Rating, Deduct	-910.19	
			For Class 54 Rating, Add	1,253.66	
			For Class 55 Rating, Add	1,870.20	
			For Class 56 Rating, Add	2,478.45	
40 05 19 00-1331	EA		18" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,601.11	690.20
			For Class 52 Rating, Deduct	-941.09	
			For Class 54 Rating, Add	1,295.85	
			For Class 55 Rating, Add	1,932.94	
			For Class 56 Rating, Add	2,561.47	
40 05 19 00-1332	EA		18" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,886.37	693.10
			For Class 52 Rating, Deduct	-971.98	
			For Class 54 Rating, Add	1,338.03	
			For Class 55 Rating, Add	1,995.68	
			For Class 56 Rating, Add	2,644.49	
40 05 19 00-1333	EA		18" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,171.62	695.98
			For Class 52 Rating, Deduct	-1,002.88	
			For Class 54 Rating, Add	1,380.22	
			For Class 55 Rating, Add	2,058.42	
			For Class 56 Rating, Add	2,727.51	
40 05 19 00-1334	EA		18" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,456.87	698.87
			For Class 52 Rating, Deduct	-1,033.78	
			For Class 54 Rating, Add	1,422.41	
			For Class 55 Rating, Add	2,121.16	
			For Class 56 Rating, Add	2,810.53	
40 05 19 00-1335	EA		18" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,742.14	701.74
			For Class 52 Rating, Deduct	-1,064.68	
			For Class 54 Rating, Add	1,464.59	
			For Class 55 Rating, Add	2,183.91	
			For Class 56 Rating, Add	2,893.55	
40 05 19 00-1336	EA		18" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,027.38	704.62
			For Class 52 Rating, Deduct	-1,095.57	
			For Class 54 Rating, Add	1,506.78	
			For Class 55 Rating, Add	2,246.65	
			For Class 56 Rating, Add	2,976.56	
40 05 19 00-1337	EA		18" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,312.64	707.52
			For Class 52 Rating, Deduct	-1,126.47	
			For Class 54 Rating, Add	1,548.96	
			For Class 55 Rating, Add	2,309.39	
			For Class 56 Rating, Add	3,059.58	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-1338	EA	18" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,597.90	710.39
		For Class 52 Rating, Deduct	-1,157.37	
		For Class 54 Rating, Add	1,591.15	
		For Class 55 Rating, Add	2,372.14	
		For Class 56 Rating, Add	3,142.60	
40 05 19 00-1339	EA	18" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,883.15	713.28
		For Class 52 Rating, Deduct	-1,188.27	
		For Class 54 Rating, Add	1,633.33	
		For Class 55 Rating, Add	2,434.88	
		For Class 56 Rating, Add	3,225.62	
40 05 19 00-1340	EA	18" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,168.40	716.16
		For Class 52 Rating, Deduct	-1,219.16	
		For Class 54 Rating, Add	1,675.52	
		For Class 55 Rating, Add	2,497.62	
		For Class 56 Rating, Add	3,308.64	
40 05 19 00-1341	EA	18" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,453.67	719.05
		For Class 52 Rating, Deduct	-1,250.06	
		For Class 54 Rating, Add	1,717.70	
		For Class 55 Rating, Add	2,560.36	
		For Class 56 Rating, Add	3,391.66	
40 05 19 00-1342	EA	18" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,738.91	721.93
		For Class 52 Rating, Deduct	-1,280.96	
		For Class 54 Rating, Add	1,759.89	
		For Class 55 Rating, Add	2,623.10	
		For Class 56 Rating, Add	3,474.68	
40 05 19 00-1343	EA	18" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,024.17	724.81
		For Class 52 Rating, Deduct	-1,311.86	
		For Class 54 Rating, Add	1,802.07	
		For Class 55 Rating, Add	2,685.85	
		For Class 56 Rating, Add	3,557.70	
40 05 19 00-1344	EA	18" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,309.42	727.70
		For Class 52 Rating, Deduct	-1,342.75	
		For Class 54 Rating, Add	1,844.26	
		For Class 55 Rating, Add	2,748.59	
		For Class 56 Rating, Add	3,640.71	
40 05 19 00-1345	EA	18" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,594.68	730.57
		For Class 52 Rating, Deduct	-1,373.65	
		For Class 54 Rating, Add	1,886.44	
		For Class 55 Rating, Add	2,811.33	
		For Class 56 Rating, Add	3,723.73	

40 05 19 00-1346 20" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe

(40 05 19 00-1028)

40 05 19 00-1347	EA	20" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,546.10	712.13
		For Class 52 Rating, Deduct	-271.38	
		For Class 54 Rating, Add	383.02	
		For Class 55 Rating, Add	576.06	
		For Class 56 Rating, Add	766.64	
40 05 19 00-1348	EA	20" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,873.49	715.01
		For Class 52 Rating, Deduct	-306.92	
		For Class 54 Rating, Add	431.52	
		For Class 55 Rating, Add	648.20	
		For Class 56 Rating, Add	862.09	
40 05 19 00-1349	EA	20" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,200.87	717.88
		For Class 52 Rating, Deduct	-342.45	
		For Class 54 Rating, Add	480.03	
		For Class 55 Rating, Add	720.34	
		For Class 56 Rating, Add	957.54	
40 05 19 00-1350	EA	20" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,528.27	720.78
		For Class 52 Rating, Deduct	-377.98	
		For Class 54 Rating, Add	528.53	
		For Class 55 Rating, Add	792.48	
		For Class 56 Rating, Add	1,052.99	
40 05 19 00-1351	EA	20" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,855.65	723.66
		For Class 52 Rating, Deduct	-413.51	
		For Class 54 Rating, Add	577.04	
		For Class 55 Rating, Add	864.62	
		For Class 56 Rating, Add	1,148.44	
40 05 19 00-1352	EA	20" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,183.04	726.54
		For Class 52 Rating, Deduct	-449.04	
		For Class 54 Rating, Add	625.54	
		For Class 55 Rating, Add	936.75	
		For Class 56 Rating, Add	1,243.88	

MINOR		DESCRIPTION	TOTAL DIRECT		DEMOLITION
CSI	UOM		UNIT COST	UNIT COST	
40 05 19 00-1353	EA	20" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron			
		Pipe	5,510.43		729.42
		For Class 52 Rating, Deduct	-484.58		
		For Class 54 Rating, Add	674.05		
		For Class 55 Rating, Add	1,008.89		
		For Class 56 Rating, Add	1,339.33		
40 05 19 00-1354	EA	20" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron			
		Pipe	5,837.81		732.30
		For Class 52 Rating, Deduct	-520.11		
		For Class 54 Rating, Add	722.55		
		For Class 55 Rating, Add	1,081.03		
		For Class 56 Rating, Add	1,434.78		
40 05 19 00-1355	EA	20" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron			
		Pipe	6,165.19		735.20
		For Class 52 Rating, Deduct	-555.64		
		For Class 54 Rating, Add	771.06		
		For Class 55 Rating, Add	1,153.17		
		For Class 56 Rating, Add	1,530.23		
40 05 19 00-1356	EA	20" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron			
		Pipe	6,492.59		738.07
		For Class 52 Rating, Deduct	-591.17		
		For Class 54 Rating, Add	819.56		
		For Class 55 Rating, Add	1,225.31		
		For Class 56 Rating, Add	1,625.67		
40 05 19 00-1357	EA	20" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron			
		Pipe	6,819.97		740.96
		For Class 52 Rating, Deduct	-626.70		
		For Class 54 Rating, Add	868.07		
		For Class 55 Rating, Add	1,297.44		
		For Class 56 Rating, Add	1,721.12		
40 05 19 00-1358	EA	20" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron			
		Pipe	7,147.36		743.84
		For Class 52 Rating, Deduct	-662.24		
		For Class 54 Rating, Add	916.57		
		For Class 55 Rating, Add	1,369.58		
		For Class 56 Rating, Add	1,816.57		
40 05 19 00-1359	EA	20" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron			
		Pipe	7,474.75		746.71
		For Class 52 Rating, Deduct	-697.77		
		For Class 54 Rating, Add	965.08		
		For Class 55 Rating, Add	1,441.72		
		For Class 56 Rating, Add	1,912.02		
40 05 19 00-1360	EA	20" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron			
		Pipe	7,802.14		749.61
		For Class 52 Rating, Deduct	-733.30		
		For Class 54 Rating, Add	1,013.58		
		For Class 55 Rating, Add	1,513.86		
		For Class 56 Rating, Add	2,007.47		
40 05 19 00-1361	EA	20" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron			
		Pipe	8,129.52		752.49
		For Class 52 Rating, Deduct	-768.83		
		For Class 54 Rating, Add	1,062.09		
		For Class 55 Rating, Add	1,586.00		
		For Class 56 Rating, Add	2,102.91		
40 05 19 00-1362	EA	20" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron			
		Pipe	8,456.92		755.38
		For Class 52 Rating, Deduct	-804.37		
		For Class 54 Rating, Add	1,110.60		
		For Class 55 Rating, Add	1,658.14		
		For Class 56 Rating, Add	2,198.36		
40 05 19 00-1363	EA	20" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron			
		Pipe	8,784.30		758.25
		For Class 52 Rating, Deduct	-839.90		
		For Class 54 Rating, Add	1,159.10		
		For Class 55 Rating, Add	1,730.27		
		For Class 56 Rating, Add	2,293.81		
40 05 19 00-1364	EA	20" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron			
		Pipe	9,111.69		761.13
		For Class 52 Rating, Deduct	-875.43		
		For Class 54 Rating, Add	1,207.61		
		For Class 55 Rating, Add	1,802.41		
		For Class 56 Rating, Add	2,389.26		
40 05 19 00-1365	EA	20" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe			
		Pipe	9,439.08		764.03
		For Class 52 Rating, Deduct	-910.96		
		For Class 54 Rating, Add	1,256.11		
		For Class 55 Rating, Add	1,874.55		
		For Class 56 Rating, Add	2,484.71		
40 05 19 00-1366	EA	20" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe			
		Pipe	9,766.47		766.91
		For Class 52 Rating, Deduct	-946.49		
		For Class 54 Rating, Add	1,304.62		
		For Class 55 Rating, Add	1,946.69		
		For Class 56 Rating, Add	2,580.16		
40 05 19 00-1367	EA	20" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe			
		Pipe	10,093.85		769.78
		For Class 52 Rating, Deduct	-982.03		
		For Class 54 Rating, Add	1,353.12		
		For Class 55 Rating, Add	2,018.83		
		For Class 56 Rating, Add	2,675.60		

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-1368	EA	20" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,421.25	772.67
		For Class 52 Rating, Deduct	-1,017.56	
		For Class 54 Rating, Add	1,401.63	
		For Class 55 Rating, Add	2,090.97	
		For Class 56 Rating, Add	2,771.05	
40 05 19 00-1369	EA	20" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,748.62	775.55
		For Class 52 Rating, Deduct	-1,053.09	
		For Class 54 Rating, Add	1,450.13	
		For Class 55 Rating, Add	2,163.10	
		For Class 56 Rating, Add	2,866.50	
40 05 19 00-1370	EA	20" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,076.01	778.43
		For Class 52 Rating, Deduct	-1,088.62	
		For Class 54 Rating, Add	1,498.64	
		For Class 55 Rating, Add	2,235.24	
		For Class 56 Rating, Add	2,961.95	
40 05 19 00-1371	EA	20" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,403.40	781.32
		For Class 52 Rating, Deduct	-1,124.15	
		For Class 54 Rating, Add	1,547.14	
		For Class 55 Rating, Add	2,307.38	
		For Class 56 Rating, Add	3,057.39	
40 05 19 00-1372	EA	20" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,730.79	784.20
		For Class 52 Rating, Deduct	-1,159.69	
		For Class 54 Rating, Add	1,595.65	
		For Class 55 Rating, Add	2,379.52	
		For Class 56 Rating, Add	3,152.84	
40 05 19 00-1373	EA	20" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,058.17	787.09
		For Class 52 Rating, Deduct	-1,195.22	
		For Class 54 Rating, Add	1,644.15	
		For Class 55 Rating, Add	2,451.65	
		For Class 56 Rating, Add	3,248.29	
40 05 19 00-1374	EA	20" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,385.57	789.96
		For Class 52 Rating, Deduct	-1,230.75	
		For Class 54 Rating, Add	1,692.66	
		For Class 55 Rating, Add	2,523.79	
		For Class 56 Rating, Add	3,343.74	
40 05 19 00-1375	EA	20" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,712.95	792.86
		For Class 52 Rating, Deduct	-1,266.28	
		For Class 54 Rating, Add	1,741.16	
		For Class 55 Rating, Add	2,595.93	
		For Class 56 Rating, Add	3,439.19	
40 05 19 00-1376	EA	20" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,040.34	795.74
		For Class 52 Rating, Deduct	-1,301.81	
		For Class 54 Rating, Add	1,789.67	
		For Class 55 Rating, Add	2,668.07	
		For Class 56 Rating, Add	3,534.63	
40 05 19 00-1377	EA	20" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,367.73	798.61
		For Class 52 Rating, Deduct	-1,337.35	
		For Class 54 Rating, Add	1,838.18	
		For Class 55 Rating, Add	2,740.21	
		For Class 56 Rating, Add	3,630.08	
40 05 19 00-1378	EA	20" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,695.12	801.50
		For Class 52 Rating, Deduct	-1,372.88	
		For Class 54 Rating, Add	1,886.68	
		For Class 55 Rating, Add	2,812.35	
		For Class 56 Rating, Add	3,725.53	
40 05 19 00-1379	EA	20" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,022.50	804.38
		For Class 52 Rating, Deduct	-1,408.41	
		For Class 54 Rating, Add	1,935.19	
		For Class 55 Rating, Add	2,884.48	
		For Class 56 Rating, Add	3,820.98	
40 05 19 00-1380	EA	20" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,349.90	807.28
		For Class 52 Rating, Deduct	-1,443.94	
		For Class 54 Rating, Add	1,983.69	
		For Class 55 Rating, Add	2,956.62	
		For Class 56 Rating, Add	3,916.43	
40 05 19 00-1381	EA	20" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,677.28	810.15
		For Class 52 Rating, Deduct	-1,479.48	
		For Class 54 Rating, Add	2,032.20	
		For Class 55 Rating, Add	3,028.76	
		For Class 56 Rating, Add	4,011.88	
40 05 19 00-1382	EA	20" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,004.67	813.03
		For Class 52 Rating, Deduct	-1,515.01	
		For Class 54 Rating, Add	2,080.70	
		For Class 55 Rating, Add	3,100.90	
		For Class 56 Rating, Add	4,107.32	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1383	EA		20" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,332.06	815.92
			For Class 52 Rating, Deduct	-1,550.54	
			For Class 54 Rating, Add	2,129.21	
			For Class 55 Rating, Add	3,173.04	
			For Class 56 Rating, Add	4,202.77	
40 05 19 00-1384	EA		20" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,659.45	818.79
			For Class 52 Rating, Deduct	-1,586.07	
			For Class 54 Rating, Add	2,177.71	
			For Class 55 Rating, Add	3,245.18	
			For Class 56 Rating, Add	4,298.22	
40 05 19 00-1385 24" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe					
			(40 05 19 00-1028)		
40 05 19 00-1386	EA		24" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,355.95	841.86
			For Class 52 Rating, Deduct	-338.84	
			For Class 54 Rating, Add	477.37	
			For Class 55 Rating, Add	717.54	
			For Class 56 Rating, Add	954.64	
40 05 19 00-1387	EA		24" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,760.57	844.75
			For Class 52 Rating, Deduct	-382.87	
			For Class 54 Rating, Add	537.46	
			For Class 55 Rating, Add	806.90	
			For Class 56 Rating, Add	1,072.87	
40 05 19 00-1388	EA		24" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,165.20	847.63
			For Class 52 Rating, Deduct	-426.90	
			For Class 54 Rating, Add	597.55	
			For Class 55 Rating, Add	896.27	
			For Class 56 Rating, Add	1,191.10	
40 05 19 00-1389	EA		24" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,569.84	850.50
			For Class 52 Rating, Deduct	-470.93	
			For Class 54 Rating, Add	657.64	
			For Class 55 Rating, Add	985.63	
			For Class 56 Rating, Add	1,309.34	
40 05 19 00-1390	EA		24" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,974.47	853.40
			For Class 52 Rating, Deduct	-514.96	
			For Class 54 Rating, Add	717.73	
			For Class 55 Rating, Add	1,074.99	
			For Class 56 Rating, Add	1,427.57	
40 05 19 00-1391	EA		24" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,379.09	856.28
			For Class 52 Rating, Deduct	-558.99	
			For Class 54 Rating, Add	777.82	
			For Class 55 Rating, Add	1,164.36	
			For Class 56 Rating, Add	1,545.81	
40 05 19 00-1392	EA		24" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,783.74	859.17
			For Class 52 Rating, Deduct	-603.02	
			For Class 54 Rating, Add	837.92	
			For Class 55 Rating, Add	1,253.72	
			For Class 56 Rating, Add	1,664.04	
40 05 19 00-1393	EA		24" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,188.36	862.04
			For Class 52 Rating, Deduct	-647.05	
			For Class 54 Rating, Add	898.01	
			For Class 55 Rating, Add	1,343.08	
			For Class 56 Rating, Add	1,782.28	
40 05 19 00-1394	EA		24" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,592.99	864.92
			For Class 52 Rating, Deduct	-691.07	
			For Class 54 Rating, Add	958.10	
			For Class 55 Rating, Add	1,432.45	
			For Class 56 Rating, Add	1,900.51	
40 05 19 00-1395	EA		24" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,997.63	867.82
			For Class 52 Rating, Deduct	-735.10	
			For Class 54 Rating, Add	1,018.19	
			For Class 55 Rating, Add	1,521.81	
			For Class 56 Rating, Add	2,018.75	
40 05 19 00-1396	EA		24" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,402.26	870.69
			For Class 52 Rating, Deduct	-779.13	
			For Class 54 Rating, Add	1,078.28	
			For Class 55 Rating, Add	1,611.18	
			For Class 56 Rating, Add	2,136.98	
40 05 19 00-1397	EA		24" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,806.88	873.58
			For Class 52 Rating, Deduct	-823.16	
			For Class 54 Rating, Add	1,138.38	
			For Class 55 Rating, Add	1,700.54	
			For Class 56 Rating, Add	2,255.22	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-1398	EA	24" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	9,211.52	876.46
		Pipe		
		For Class 52 Rating, Deduct	-867.19	
		For Class 54 Rating, Add	1,198.47	
		For Class 55 Rating, Add	1,789.90	
		For Class 56 Rating, Add	2,373.45	
40 05 19 00-1399	EA	24" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	9,616.15	879.35
		Pipe		
		For Class 52 Rating, Deduct	-911.22	
		For Class 54 Rating, Add	1,258.56	
		For Class 55 Rating, Add	1,879.27	
		For Class 56 Rating, Add	2,491.69	
40 05 19 00-1400	EA	24" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	10,020.78	882.23
		Pipe		
		For Class 52 Rating, Deduct	-955.25	
		For Class 54 Rating, Add	1,318.65	
		For Class 55 Rating, Add	1,968.63	
		For Class 56 Rating, Add	2,609.92	
40 05 19 00-1401	EA	24" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	10,425.41	885.11
		Pipe		
		For Class 52 Rating, Deduct	-999.28	
		For Class 54 Rating, Add	1,378.74	
		For Class 55 Rating, Add	2,057.99	
		For Class 56 Rating, Add	2,728.16	
40 05 19 00-1402	EA	24" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	10,830.05	888.00
		Pipe		
		For Class 52 Rating, Deduct	-1,043.31	
		For Class 54 Rating, Add	1,438.84	
		For Class 55 Rating, Add	2,147.36	
		For Class 56 Rating, Add	2,846.39	
40 05 19 00-1403	EA	24" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	11,234.67	890.87
		Pipe		
		For Class 52 Rating, Deduct	-1,087.33	
		For Class 54 Rating, Add	1,498.93	
		For Class 55 Rating, Add	2,236.72	
		For Class 56 Rating, Add	2,964.63	
40 05 19 00-1404	EA	24" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile	11,639.30	893.75
		Iron Pipe		
		For Class 52 Rating, Deduct	-1,131.36	
		For Class 54 Rating, Add	1,559.02	
		For Class 55 Rating, Add	2,326.08	
		For Class 56 Rating, Add	3,082.86	
40 05 19 00-1405	EA	24" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile	12,043.94	896.65
		Iron Pipe		
		For Class 52 Rating, Deduct	-1,175.39	
		For Class 54 Rating, Add	1,619.11	
		For Class 55 Rating, Add	2,415.45	
		For Class 56 Rating, Add	3,201.10	
40 05 19 00-1406	EA	24" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile	12,448.57	899.53
		Iron Pipe		
		For Class 52 Rating, Deduct	-1,219.42	
		For Class 54 Rating, Add	1,679.20	
		For Class 55 Rating, Add	2,504.81	
		For Class 56 Rating, Add	3,319.33	
40 05 19 00-1407	EA	24" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile	12,853.19	902.40
		Iron Pipe		
		For Class 52 Rating, Deduct	-1,263.45	
		For Class 54 Rating, Add	1,739.29	
		For Class 55 Rating, Add	2,594.17	
		For Class 56 Rating, Add	3,437.57	
40 05 19 00-1408	EA	24" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile	13,257.84	905.29
		Iron Pipe		
		For Class 52 Rating, Deduct	-1,307.48	
		For Class 54 Rating, Add	1,799.39	
		For Class 55 Rating, Add	2,683.54	
		For Class 56 Rating, Add	3,555.80	
40 05 19 00-1409	EA	24" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile	13,662.46	908.17
		Iron Pipe		
		For Class 52 Rating, Deduct	-1,351.51	
		For Class 54 Rating, Add	1,859.48	
		For Class 55 Rating, Add	2,772.90	
		For Class 56 Rating, Add	3,674.04	
40 05 19 00-1410	EA	24" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile	14,067.09	911.07
		Iron Pipe		
		For Class 52 Rating, Deduct	-1,395.54	
		For Class 54 Rating, Add	1,919.57	
		For Class 55 Rating, Add	2,862.26	
		For Class 56 Rating, Add	3,792.27	
40 05 19 00-1411	EA	24" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile	14,471.73	913.94
		Iron Pipe		
		For Class 52 Rating, Deduct	-1,439.57	
		For Class 54 Rating, Add	1,979.66	
		For Class 55 Rating, Add	2,951.63	
		For Class 56 Rating, Add	3,910.51	
40 05 19 00-1412	EA	24" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile	14,876.36	916.82
		Iron Pipe		
		For Class 52 Rating, Deduct	-1,483.60	
		For Class 54 Rating, Add	2,039.75	
		For Class 55 Rating, Add	3,040.99	
		For Class 56 Rating, Add	4,028.74	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1413	EA	24" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,280.98	919.71
		For Class 52 Rating, Deduct	-1,527.62	
		For Class 54 Rating, Add	2,099.85	
		For Class 55 Rating, Add	3,130.35	
		For Class 56 Rating, Add	4,146.98	
40 05 19 00-1414	EA	24" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,685.62	922.58
		For Class 52 Rating, Deduct	-1,571.65	
		For Class 54 Rating, Add	2,159.94	
		For Class 55 Rating, Add	3,219.72	
		For Class 56 Rating, Add	4,265.21	
40 05 19 00-1415	EA	24" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,164.52	974.48
		For Class 52 Rating, Deduct	-1,615.68	
		For Class 54 Rating, Add	2,220.92	
		For Class 55 Rating, Add	3,310.86	
		For Class 56 Rating, Add	4,386.12	
40 05 19 00-1416	EA	24" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,569.14	977.37
		For Class 52 Rating, Deduct	-1,659.71	
		For Class 54 Rating, Add	2,281.01	
		For Class 55 Rating, Add	3,400.23	
		For Class 56 Rating, Add	4,504.35	
40 05 19 00-1417	EA	24" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,973.77	980.25
		For Class 52 Rating, Deduct	-1,703.74	
		For Class 54 Rating, Add	2,341.10	
		For Class 55 Rating, Add	3,489.59	
		For Class 56 Rating, Add	4,622.59	
40 05 19 00-1418	EA	24" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,378.41	983.15
		For Class 52 Rating, Deduct	-1,747.77	
		For Class 54 Rating, Add	2,401.20	
		For Class 55 Rating, Add	3,578.96	
		For Class 56 Rating, Add	4,740.82	
40 05 19 00-1419	EA	24" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,783.04	986.02
		For Class 52 Rating, Deduct	-1,791.80	
		For Class 54 Rating, Add	2,461.29	
		For Class 55 Rating, Add	3,668.32	
		For Class 56 Rating, Add	4,859.06	
40 05 19 00-1420	EA	24" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,187.66	988.90
		For Class 52 Rating, Deduct	-1,835.83	
		For Class 54 Rating, Add	2,521.38	
		For Class 55 Rating, Add	3,757.68	
		For Class 56 Rating, Add	4,977.29	
40 05 19 00-1421	EA	24" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,592.31	991.79
		For Class 52 Rating, Deduct	-1,879.86	
		For Class 54 Rating, Add	2,581.47	
		For Class 55 Rating, Add	3,847.05	
		For Class 56 Rating, Add	5,095.53	
40 05 19 00-1422	EA	24" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,996.93	994.66
		For Class 52 Rating, Deduct	-1,923.88	
		For Class 54 Rating, Add	2,641.56	
		For Class 55 Rating, Add	3,936.41	
		For Class 56 Rating, Add	5,213.76	
40 05 19 00-1423	EA	24" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,401.56	997.55
		For Class 52 Rating, Deduct	-1,967.91	
		For Class 54 Rating, Add	2,701.66	
		For Class 55 Rating, Add	4,025.77	
		For Class 56 Rating, Add	5,332.00	
40 05 19 00-1424		30" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-1028)		
40 05 19 00-1425	EA	30" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,668.45	1,187.84
		For Class 52 Rating, Deduct	-535.56	
		For Class 54 Rating, Add	751.90	
		For Class 55 Rating, Add	1,128.91	
		For Class 56 Rating, Add	1,501.06	
40 05 19 00-1426	EA	30" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,250.98	1,190.72
		For Class 52 Rating, Deduct	-599.15	
		For Class 54 Rating, Add	838.68	
		For Class 55 Rating, Add	1,257.95	
		For Class 56 Rating, Add	1,671.77	
40 05 19 00-1427	EA	30" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,833.50	1,193.60
		For Class 52 Rating, Deduct	-662.75	
		For Class 54 Rating, Add	925.45	
		For Class 55 Rating, Add	1,386.98	
		For Class 56 Rating, Add	1,842.48	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-1428	EA	30" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	8,416.02	1,196.48
		Pipe		
		For Class 52 Rating, Deduct	-726.35	
		For Class 54 Rating, Add	1,012.23	
		For Class 55 Rating, Add	1,516.02	
		For Class 56 Rating, Add	2,013.20	
40 05 19 00-1429	EA	30" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	8,998.56	1,199.38
		Pipe		
		For Class 52 Rating, Deduct	-789.95	
		For Class 54 Rating, Add	1,099.01	
		For Class 55 Rating, Add	1,645.05	
		For Class 56 Rating, Add	2,183.91	
40 05 19 00-1430	EA	30" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	9,581.08	1,202.25
		Pipe		
		For Class 52 Rating, Deduct	-853.54	
		For Class 54 Rating, Add	1,185.78	
		For Class 55 Rating, Add	1,774.08	
		For Class 56 Rating, Add	2,354.63	
40 05 19 00-1431	EA	30" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	10,163.60	1,205.14
		Pipe		
		For Class 52 Rating, Deduct	-917.14	
		For Class 54 Rating, Add	1,272.56	
		For Class 55 Rating, Add	1,903.12	
		For Class 56 Rating, Add	2,525.34	
40 05 19 00-1432	EA	30" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	10,746.13	1,208.02
		Pipe		
		For Class 52 Rating, Deduct	-980.74	
		For Class 54 Rating, Add	1,359.33	
		For Class 55 Rating, Add	2,032.15	
		For Class 56 Rating, Add	2,696.05	
40 05 19 00-1433	EA	30" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	11,328.66	1,210.89
		Pipe		
		For Class 52 Rating, Deduct	-1,044.34	
		For Class 54 Rating, Add	1,446.11	
		For Class 55 Rating, Add	2,161.19	
		For Class 56 Rating, Add	2,866.77	
40 05 19 00-1434	EA	30" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	11,911.18	1,213.78
		Pipe		
		For Class 52 Rating, Deduct	-1,107.93	
		For Class 54 Rating, Add	1,532.89	
		For Class 55 Rating, Add	2,290.22	
		For Class 56 Rating, Add	3,037.48	
40 05 19 00-1435	EA	30" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	12,493.72	1,216.67
		Pipe		
		For Class 52 Rating, Deduct	-1,171.53	
		For Class 54 Rating, Add	1,619.66	
		For Class 55 Rating, Add	2,419.26	
		For Class 56 Rating, Add	3,208.20	
40 05 19 00-1436	EA	30" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	13,076.23	1,219.56
		Pipe		
		For Class 52 Rating, Deduct	-1,235.13	
		For Class 54 Rating, Add	1,706.44	
		For Class 55 Rating, Add	2,548.29	
		For Class 56 Rating, Add	3,378.91	
40 05 19 00-1437	EA	30" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	13,658.76	1,222.43
		Pipe		
		For Class 52 Rating, Deduct	-1,298.72	
		For Class 54 Rating, Add	1,793.21	
		For Class 55 Rating, Add	2,677.32	
		For Class 56 Rating, Add	3,549.62	
40 05 19 00-1438	EA	30" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	14,241.29	1,225.31
		Pipe		
		For Class 52 Rating, Deduct	-1,362.32	
		For Class 54 Rating, Add	1,879.99	
		For Class 55 Rating, Add	2,806.36	
		For Class 56 Rating, Add	3,720.34	
40 05 19 00-1439	EA	30" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	14,823.82	1,228.20
		Pipe		
		For Class 52 Rating, Deduct	-1,425.92	
		For Class 54 Rating, Add	1,966.77	
		For Class 55 Rating, Add	2,935.39	
		For Class 56 Rating, Add	3,891.05	
40 05 19 00-1440	EA	30" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	15,406.34	1,231.08
		Pipe		
		For Class 52 Rating, Deduct	-1,489.52	
		For Class 54 Rating, Add	2,053.54	
		For Class 55 Rating, Add	3,064.43	
		For Class 56 Rating, Add	4,061.77	
40 05 19 00-1441	EA	30" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	15,988.87	1,233.97
		Pipe		
		For Class 52 Rating, Deduct	-1,553.11	
		For Class 54 Rating, Add	2,140.32	
		For Class 55 Rating, Add	3,193.46	
		For Class 56 Rating, Add	4,232.48	
40 05 19 00-1442	EA	30" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	16,571.39	1,236.85
		Pipe		
		For Class 52 Rating, Deduct	-1,616.71	
		For Class 54 Rating, Add	2,227.10	
		For Class 55 Rating, Add	3,322.49	
		For Class 56 Rating, Add	4,403.19	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1443	EA		30" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,153.92	1,239.73
			For Class 52 Rating, Deduct	-1,680.31	
			For Class 54 Rating, Add	2,313.87	
			For Class 55 Rating, Add	3,451.53	
			For Class 56 Rating, Add	4,573.91	
40 05 19 00-1444	EA		30" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,736.45	1,242.61
			For Class 52 Rating, Deduct	-1,743.91	
			For Class 54 Rating, Add	2,400.65	
			For Class 55 Rating, Add	3,580.56	
			For Class 56 Rating, Add	4,744.62	
40 05 19 00-1445	EA		30" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,318.97	1,245.50
			For Class 52 Rating, Deduct	-1,807.50	
			For Class 54 Rating, Add	2,487.42	
			For Class 55 Rating, Add	3,709.59	
			For Class 56 Rating, Add	4,915.33	
40 05 19 00-1446	EA		30" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,901.49	1,248.39
			For Class 52 Rating, Deduct	-1,871.10	
			For Class 54 Rating, Add	2,574.20	
			For Class 55 Rating, Add	3,838.63	
			For Class 56 Rating, Add	5,086.05	
40 05 19 00-1447	EA		30" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,484.03	1,251.26
			For Class 52 Rating, Deduct	-1,934.70	
			For Class 54 Rating, Add	2,660.98	
			For Class 55 Rating, Add	3,967.66	
			For Class 56 Rating, Add	5,256.76	
40 05 19 00-1448	EA		30" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,066.55	1,254.14
			For Class 52 Rating, Deduct	-1,998.30	
			For Class 54 Rating, Add	2,747.75	
			For Class 55 Rating, Add	4,096.70	
			For Class 56 Rating, Add	5,427.48	
40 05 19 00-1449	EA		30" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,649.08	1,257.03
			For Class 52 Rating, Deduct	-2,061.89	
			For Class 54 Rating, Add	2,834.53	
			For Class 55 Rating, Add	4,225.73	
			For Class 56 Rating, Add	5,598.19	
40 05 19 00-1450	EA		30" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,231.59	1,259.92
			For Class 52 Rating, Deduct	-2,125.49	
			For Class 54 Rating, Add	2,921.30	
			For Class 55 Rating, Add	4,354.76	
			For Class 56 Rating, Add	5,768.90	
40 05 19 00-1451	EA		30" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,814.13	1,262.79
			For Class 52 Rating, Deduct	-2,189.09	
			For Class 54 Rating, Add	3,008.08	
			For Class 55 Rating, Add	4,483.80	
			For Class 56 Rating, Add	5,939.62	
40 05 19 00-1452	EA		30" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,396.65	1,265.68
			For Class 52 Rating, Deduct	-2,252.69	
			For Class 54 Rating, Add	3,094.86	
			For Class 55 Rating, Add	4,612.83	
			For Class 56 Rating, Add	6,110.33	
40 05 19 00-1453	EA		30" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,979.18	1,268.56
			For Class 52 Rating, Deduct	-2,316.28	
			For Class 54 Rating, Add	3,181.63	
			For Class 55 Rating, Add	4,741.87	
			For Class 56 Rating, Add	6,281.04	
40 05 19 00-1454	EA		30" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,561.71	1,271.45
			For Class 52 Rating, Deduct	-2,379.88	
			For Class 54 Rating, Add	3,268.41	
			For Class 55 Rating, Add	4,870.90	
			For Class 56 Rating, Add	6,451.76	
40 05 19 00-1455	EA		30" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,144.23	1,274.33
			For Class 52 Rating, Deduct	-2,443.48	
			For Class 54 Rating, Add	3,355.18	
			For Class 55 Rating, Add	4,999.93	
			For Class 56 Rating, Add	6,622.47	
40 05 19 00-1456	EA		30" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,726.75	1,277.21
			For Class 52 Rating, Deduct	-2,507.07	
			For Class 54 Rating, Add	3,441.96	
			For Class 55 Rating, Add	5,128.97	
			For Class 56 Rating, Add	6,793.18	
40 05 19 00-1457	EA		30" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,309.29	1,280.10
			For Class 52 Rating, Deduct	-2,570.67	
			For Class 54 Rating, Add	3,528.74	
			For Class 55 Rating, Add	5,258.00	
			For Class 56 Rating, Add	6,963.90	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-1458	EA	30" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,891.81	1,282.97
		For Class 52 Rating, Deduct	-2,634.27	
		For Class 54 Rating, Add	3,615.51	
		For Class 55 Rating, Add	5,387.04	
		For Class 56 Rating, Add	7,134.61	
40 05 19 00-1459	EA	30" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,474.33	1,285.86
		For Class 52 Rating, Deduct	-2,697.87	
		For Class 54 Rating, Add	3,702.29	
		For Class 55 Rating, Add	5,516.07	
		For Class 56 Rating, Add	7,305.33	
40 05 19 00-1460	EA	30" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,056.86	1,288.75
		For Class 52 Rating, Deduct	-2,761.46	
		For Class 54 Rating, Add	3,789.06	
		For Class 55 Rating, Add	5,645.10	
		For Class 56 Rating, Add	7,476.04	
40 05 19 00-1461	EA	30" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,639.39	1,291.63
		For Class 52 Rating, Deduct	-2,825.06	
		For Class 54 Rating, Add	3,875.84	
		For Class 55 Rating, Add	5,774.14	
		For Class 56 Rating, Add	7,646.75	
40 05 19 00-1462	EA	30" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,221.91	1,294.51
		For Class 52 Rating, Deduct	-2,888.66	
		For Class 54 Rating, Add	3,962.62	
		For Class 55 Rating, Add	5,903.17	
		For Class 56 Rating, Add	7,817.47	

40 05 19 00-1463 36" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe

(40 05 19 00-1028)

40 05 19 00-1464	EA	36" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,213.48	1,504.98
		For Class 52 Rating, Deduct	-762.65	
		For Class 54 Rating, Add	1,067.34	
		For Class 55 Rating, Add	1,600.83	
		For Class 56 Rating, Add	2,127.39	
40 05 19 00-1465	EA	36" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,004.33	1,507.87
		For Class 52 Rating, Deduct	-849.17	
		For Class 54 Rating, Add	1,185.37	
		For Class 55 Rating, Add	1,776.32	
		For Class 56 Rating, Add	2,359.56	
40 05 19 00-1466	EA	36" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,795.18	1,510.74
		For Class 52 Rating, Deduct	-935.68	
		For Class 54 Rating, Add	1,303.40	
		For Class 55 Rating, Add	1,951.81	
		For Class 56 Rating, Add	2,591.73	
40 05 19 00-1467	EA	36" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,586.04	1,513.63
		For Class 52 Rating, Deduct	-1,022.19	
		For Class 54 Rating, Add	1,421.42	
		For Class 55 Rating, Add	2,127.30	
		For Class 56 Rating, Add	2,823.90	
40 05 19 00-1468	EA	36" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,376.88	1,516.51
		For Class 52 Rating, Deduct	-1,108.71	
		For Class 54 Rating, Add	1,539.44	
		For Class 55 Rating, Add	2,302.79	
		For Class 56 Rating, Add	3,056.06	
40 05 19 00-1469	EA	36" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,167.73	1,519.38
		For Class 52 Rating, Deduct	-1,195.22	
		For Class 54 Rating, Add	1,657.47	
		For Class 55 Rating, Add	2,478.28	
		For Class 56 Rating, Add	3,288.23	
40 05 19 00-1470	EA	36" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,958.58	1,522.28
		For Class 52 Rating, Deduct	-1,281.73	
		For Class 54 Rating, Add	1,775.49	
		For Class 55 Rating, Add	2,653.77	
		For Class 56 Rating, Add	3,520.40	
40 05 19 00-1471	EA	36" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,749.44	1,525.16
		For Class 52 Rating, Deduct	-1,368.24	
		For Class 54 Rating, Add	1,893.52	
		For Class 55 Rating, Add	2,829.27	
		For Class 56 Rating, Add	3,752.57	
40 05 19 00-1472	EA	36" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,540.28	1,528.05
		For Class 52 Rating, Deduct	-1,454.76	
		For Class 54 Rating, Add	2,011.54	
		For Class 55 Rating, Add	3,004.76	
		For Class 56 Rating, Add	3,984.74	

MINOR		DESCRIPTION	TOTAL DIRECT		DEMOLITION
CSI	UOM		UNIT	COST	
40 05 19 00-1473	EA	36" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		16,331.14	1,530.92
		For Class 52 Rating, Deduct		-1,541.27	
		For Class 54 Rating, Add		2,129.57	
		For Class 55 Rating, Add		3,180.25	
		For Class 56 Rating, Add		4,216.91	
40 05 19 00-1474	EA	36" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		17,121.98	1,533.80
		For Class 52 Rating, Deduct		-1,627.78	
		For Class 54 Rating, Add		2,247.59	
		For Class 55 Rating, Add		3,355.74	
		For Class 56 Rating, Add		4,449.08	
40 05 19 00-1475	EA	36" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		17,912.83	1,536.70
		For Class 52 Rating, Deduct		-1,714.30	
		For Class 54 Rating, Add		2,365.62	
		For Class 55 Rating, Add		3,531.23	
		For Class 56 Rating, Add		4,681.25	
40 05 19 00-1476	EA	36" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		18,703.69	1,539.57
		For Class 52 Rating, Deduct		-1,800.81	
		For Class 54 Rating, Add		2,483.64	
		For Class 55 Rating, Add		3,706.72	
		For Class 56 Rating, Add		4,913.42	
40 05 19 00-1477	EA	36" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		19,494.54	1,542.45
		For Class 52 Rating, Deduct		-1,887.32	
		For Class 54 Rating, Add		2,601.67	
		For Class 55 Rating, Add		3,882.21	
		For Class 56 Rating, Add		5,145.59	
40 05 19 00-1478	EA	36" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		20,285.38	1,545.34
		For Class 52 Rating, Deduct		-1,973.84	
		For Class 54 Rating, Add		2,719.69	
		For Class 55 Rating, Add		4,057.70	
		For Class 56 Rating, Add		5,377.76	
40 05 19 00-1479	EA	36" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		21,076.24	1,548.23
		For Class 52 Rating, Deduct		-2,060.35	
		For Class 54 Rating, Add		2,837.72	
		For Class 55 Rating, Add		4,233.19	
		For Class 56 Rating, Add		5,609.93	
40 05 19 00-1480	EA	36" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		21,867.08	1,551.11
		For Class 52 Rating, Deduct		-2,146.86	
		For Class 54 Rating, Add		2,955.74	
		For Class 55 Rating, Add		4,408.68	
		For Class 56 Rating, Add		5,842.10	
40 05 19 00-1481	EA	36" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		22,657.94	1,553.99
		For Class 52 Rating, Deduct		-2,233.38	
		For Class 54 Rating, Add		3,073.77	
		For Class 55 Rating, Add		4,584.17	
		For Class 56 Rating, Add		6,074.27	
40 05 19 00-1482	EA	36" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		23,448.79	1,556.87
		For Class 52 Rating, Deduct		-2,319.89	
		For Class 54 Rating, Add		3,191.79	
		For Class 55 Rating, Add		4,759.66	
		For Class 56 Rating, Add		6,306.44	
40 05 19 00-1483	EA	36" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		24,239.64	1,559.76
		For Class 52 Rating, Deduct		-2,406.40	
		For Class 54 Rating, Add		3,309.81	
		For Class 55 Rating, Add		4,935.15	
		For Class 56 Rating, Add		6,538.61	
40 05 19 00-1484	EA	36" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		25,030.48	1,562.63
		For Class 52 Rating, Deduct		-2,492.91	
		For Class 54 Rating, Add		3,427.84	
		For Class 55 Rating, Add		5,110.64	
		For Class 56 Rating, Add		6,770.78	
40 05 19 00-1485	EA	36" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		25,821.34	1,565.53
		For Class 52 Rating, Deduct		-2,579.43	
		For Class 54 Rating, Add		3,545.86	
		For Class 55 Rating, Add		5,286.13	
		For Class 56 Rating, Add		7,002.94	
40 05 19 00-1486	EA	36" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		26,612.18	1,568.41
		For Class 52 Rating, Deduct		-2,665.94	
		For Class 54 Rating, Add		3,663.89	
		For Class 55 Rating, Add		5,461.62	
		For Class 56 Rating, Add		7,235.11	
40 05 19 00-1487	EA	36" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		27,403.04	1,571.28
		For Class 52 Rating, Deduct		-2,752.45	
		For Class 54 Rating, Add		3,781.91	
		For Class 55 Rating, Add		5,637.11	
		For Class 56 Rating, Add		7,467.29	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-1488	EA	36" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,193.89	1,574.17
		For Class 52 Rating, Deduct	-2,838.97	
		For Class 54 Rating, Add	3,899.94	
		For Class 55 Rating, Add	5,812.60	
		For Class 56 Rating, Add	7,699.45	
40 05 19 00-1489	EA	36" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,984.74	1,577.05
		For Class 52 Rating, Deduct	-2,925.48	
		For Class 54 Rating, Add	4,017.96	
		For Class 55 Rating, Add	5,988.09	
		For Class 56 Rating, Add	7,931.62	
40 05 19 00-1490	EA	36" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,775.58	1,579.95
		For Class 52 Rating, Deduct	-3,011.99	
		For Class 54 Rating, Add	4,135.99	
		For Class 55 Rating, Add	6,163.58	
		For Class 56 Rating, Add	8,163.79	
40 05 19 00-1491	EA	36" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,566.44	1,582.82
		For Class 52 Rating, Deduct	-3,098.50	
		For Class 54 Rating, Add	4,254.01	
		For Class 55 Rating, Add	6,339.07	
		For Class 56 Rating, Add	8,395.96	
40 05 19 00-1492	EA	36" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,357.29	1,585.70
		For Class 52 Rating, Deduct	-3,185.02	
		For Class 54 Rating, Add	4,372.04	
		For Class 55 Rating, Add	6,514.56	
		For Class 56 Rating, Add	8,628.13	
40 05 19 00-1493	EA	36" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,148.14	1,588.59
		For Class 52 Rating, Deduct	-3,271.53	
		For Class 54 Rating, Add	4,490.06	
		For Class 55 Rating, Add	6,690.05	
		For Class 56 Rating, Add	8,860.30	
40 05 19 00-1494	EA	36" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,938.99	1,591.46
		For Class 52 Rating, Deduct	-3,358.04	
		For Class 54 Rating, Add	4,608.09	
		For Class 55 Rating, Add	6,865.54	
		For Class 56 Rating, Add	9,092.47	
40 05 19 00-1495	EA	36" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,729.84	1,594.35
		For Class 52 Rating, Deduct	-3,444.56	
		For Class 54 Rating, Add	4,726.11	
		For Class 55 Rating, Add	7,041.03	
		For Class 56 Rating, Add	9,324.64	
40 05 19 00-1496	EA	36" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,520.68	1,597.24
		For Class 52 Rating, Deduct	-3,531.07	
		For Class 54 Rating, Add	4,844.14	
		For Class 55 Rating, Add	7,216.52	
		For Class 56 Rating, Add	9,556.81	
40 05 19 00-1497	EA	36" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,311.55	1,600.12
		For Class 52 Rating, Deduct	-3,617.58	
		For Class 54 Rating, Add	4,962.16	
		For Class 55 Rating, Add	7,392.01	
		For Class 56 Rating, Add	9,788.98	
40 05 19 00-1498	EA	36" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,102.39	1,603.00
		For Class 52 Rating, Deduct	-3,704.10	
		For Class 54 Rating, Add	5,080.19	
		For Class 55 Rating, Add	7,567.50	
		For Class 56 Rating, Add	10,021.15	
40 05 19 00-1499	EA	36" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,893.24	1,605.88
		For Class 52 Rating, Deduct	-3,790.61	
		For Class 54 Rating, Add	5,198.21	
		For Class 55 Rating, Add	7,742.99	
		For Class 56 Rating, Add	10,253.32	
40 05 19 00-1500	EA	36" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	37,684.08	1,608.77
		For Class 52 Rating, Deduct	-3,877.12	
		For Class 54 Rating, Add	5,316.23	
		For Class 55 Rating, Add	7,918.48	
		For Class 56 Rating, Add	10,485.49	
40 05 19 00-1501	EA	36" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	38,474.94	1,611.65
		For Class 52 Rating, Deduct	-3,963.63	
		For Class 54 Rating, Add	5,434.26	
		For Class 55 Rating, Add	8,093.97	
		For Class 56 Rating, Add	10,717.66	

40 05 19 00-1502 42" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-1028)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1503	EA		42" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,169.36	1,897.08
			For Class 52 Rating, Deduct	-1,022.45	
			For Class 54 Rating, Add	1,428.74	
			For Class 55 Rating, Add	2,141.77	
			For Class 56 Rating, Add	2,845.50	
40 05 19 00-1504	EA		42" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,348.77	1,899.96
			For Class 52 Rating, Deduct	-1,151.70	
			For Class 54 Rating, Add	1,605.05	
			For Class 55 Rating, Add	2,403.91	
			For Class 56 Rating, Add	3,192.30	
40 05 19 00-1505	EA		42" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,514.13	1,902.84
			For Class 52 Rating, Deduct	-1,279.41	
			For Class 54 Rating, Add	1,779.25	
			For Class 55 Rating, Add	2,662.92	
			For Class 56 Rating, Add	3,534.95	
40 05 19 00-1506	EA		42" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,691.21	1,905.73
			For Class 52 Rating, Deduct	-1,408.41	
			For Class 54 Rating, Add	1,955.21	
			For Class 55 Rating, Add	2,924.53	
			For Class 56 Rating, Add	3,881.05	
40 05 19 00-1507	EA		42" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,856.57	1,908.61
			For Class 52 Rating, Deduct	-1,536.12	
			For Class 54 Rating, Add	2,129.41	
			For Class 55 Rating, Add	3,183.54	
			For Class 56 Rating, Add	4,223.70	
40 05 19 00-1508	EA		42" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,035.98	1,911.48
			For Class 52 Rating, Deduct	-1,665.38	
			For Class 54 Rating, Add	2,305.72	
			For Class 55 Rating, Add	3,445.68	
			For Class 56 Rating, Add	4,570.50	
40 05 19 00-1509	EA		42" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,199.00	1,914.38
			For Class 52 Rating, Deduct	-1,792.83	
			For Class 54 Rating, Add	2,479.57	
			For Class 55 Rating, Add	3,704.16	
			For Class 56 Rating, Add	4,912.46	
40 05 19 00-1510	EA		42" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,378.41	1,917.26
			For Class 52 Rating, Deduct	-1,922.08	
			For Class 54 Rating, Add	2,655.88	
			For Class 55 Rating, Add	3,966.30	
			For Class 56 Rating, Add	5,259.25	
40 05 19 00-1511	EA		42" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,543.77	1,920.15
			For Class 52 Rating, Deduct	-2,049.79	
			For Class 54 Rating, Add	2,830.08	
			For Class 55 Rating, Add	4,225.31	
			For Class 56 Rating, Add	5,601.90	
40 05 19 00-1512	EA		42" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,720.85	1,923.02
			For Class 52 Rating, Deduct	-2,178.79	
			For Class 54 Rating, Add	3,006.04	
			For Class 55 Rating, Add	4,486.93	
			For Class 56 Rating, Add	5,948.01	
40 05 19 00-1513	EA		42" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,886.21	1,925.90
			For Class 52 Rating, Deduct	-2,306.50	
			For Class 54 Rating, Add	3,180.24	
			For Class 55 Rating, Add	4,745.93	
			For Class 56 Rating, Add	6,290.66	
40 05 19 00-1514	EA		42" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,063.28	1,928.80
			For Class 52 Rating, Deduct	-2,435.50	
			For Class 54 Rating, Add	3,356.20	
			For Class 55 Rating, Add	5,007.55	
			For Class 56 Rating, Add	6,636.76	
40 05 19 00-1515	EA		42" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,228.65	1,931.67
			For Class 52 Rating, Deduct	-2,563.21	
			For Class 54 Rating, Add	3,530.40	
			For Class 55 Rating, Add	5,266.56	
			For Class 56 Rating, Add	6,979.42	
40 05 19 00-1516	EA		42" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,396.36	1,934.56
			For Class 52 Rating, Deduct	-2,691.17	
			For Class 54 Rating, Add	3,704.96	
			For Class 55 Rating, Add	5,526.09	
			For Class 56 Rating, Add	7,322.76	
40 05 19 00-1517	EA		42" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,571.08	1,937.44
			For Class 52 Rating, Deduct	-2,819.91	
			For Class 54 Rating, Add	3,880.56	
			For Class 55 Rating, Add	5,787.18	
			For Class 56 Rating, Add	7,668.17	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT
 UNIT COST
 DEMOLITION
 UNIT COST

40 05 19 00-1518	EA	42" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,736.45	1,940.32
		For Class 52 Rating, Deduct	-2,947.62	
		For Class 54 Rating, Add	4,054.76	
		For Class 55 Rating, Add	6,046.19	
		For Class 56 Rating, Add	8,010.82	
40 05 19 00-1519	EA	42" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,915.85	1,943.21
		For Class 52 Rating, Deduct	-3,076.88	
		For Class 54 Rating, Add	4,231.07	
		For Class 55 Rating, Add	6,308.33	
		For Class 56 Rating, Add	8,357.62	
40 05 19 00-1520	EA	42" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,081.22	1,946.09
		For Class 52 Rating, Deduct	-3,204.59	
		For Class 54 Rating, Add	4,405.27	
		For Class 55 Rating, Add	6,567.34	
		For Class 56 Rating, Add	8,700.27	
40 05 19 00-1521	EA	42" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,258.29	1,948.98
		For Class 52 Rating, Deduct	-3,333.58	
		For Class 54 Rating, Add	4,581.23	
		For Class 55 Rating, Add	6,828.95	
		For Class 56 Rating, Add	9,046.37	
40 05 19 00-1522	EA	42" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,423.66	1,951.85
		For Class 52 Rating, Deduct	-3,461.29	
		For Class 54 Rating, Add	4,755.43	
		For Class 55 Rating, Add	7,087.96	
		For Class 56 Rating, Add	9,389.02	
40 05 19 00-1523	EA	42" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,603.06	1,954.73
		For Class 52 Rating, Deduct	-3,590.55	
		For Class 54 Rating, Add	4,931.74	
		For Class 55 Rating, Add	7,350.10	
		For Class 56 Rating, Add	9,735.82	
40 05 19 00-1524	EA	42" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,768.44	1,957.63
		For Class 52 Rating, Deduct	-3,718.26	
		For Class 54 Rating, Add	5,105.94	
		For Class 55 Rating, Add	7,609.11	
		For Class 56 Rating, Add	10,078.47	
40 05 19 00-1525	EA	42" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	37,945.50	1,960.51
		For Class 52 Rating, Deduct	-3,847.25	
		For Class 54 Rating, Add	5,281.90	
		For Class 55 Rating, Add	7,870.72	
		For Class 56 Rating, Add	10,424.57	
40 05 19 00-1526	EA	42" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	39,110.87	1,963.39
		For Class 52 Rating, Deduct	-3,974.96	
		For Class 54 Rating, Add	5,456.10	
		For Class 55 Rating, Add	8,129.73	
		For Class 56 Rating, Add	10,767.23	
40 05 19 00-1527	EA	42" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	40,290.28	1,966.27
		For Class 52 Rating, Deduct	-4,104.22	
		For Class 54 Rating, Add	5,632.41	
		For Class 55 Rating, Add	8,391.87	
		For Class 56 Rating, Add	11,114.02	
40 05 19 00-1528	EA	42" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	41,455.64	1,969.15
		For Class 52 Rating, Deduct	-4,231.93	
		For Class 54 Rating, Add	5,806.61	
		For Class 55 Rating, Add	8,650.88	
		For Class 56 Rating, Add	11,456.67	
40 05 19 00-1529	EA	42" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	42,630.37	1,972.04
		For Class 52 Rating, Deduct	-4,360.67	
		For Class 54 Rating, Add	5,982.22	
		For Class 55 Rating, Add	8,911.97	
		For Class 56 Rating, Add	11,802.08	
40 05 19 00-1530	EA	42" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	43,798.07	1,974.92
		For Class 52 Rating, Deduct	-4,488.63	
		For Class 54 Rating, Add	6,156.77	
		For Class 55 Rating, Add	9,171.50	
		For Class 56 Rating, Add	12,145.42	
40 05 19 00-1531	EA	42" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	44,729.37	1,977.81
		For Class 52 Rating, Deduct	-4,590.60	
		For Class 54 Rating, Add	6,295.87	
		For Class 55 Rating, Add	9,378.31	
		For Class 56 Rating, Add	12,419.03	
40 05 19 00-1532	EA	42" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	46,140.51	1,980.69
		For Class 52 Rating, Deduct	-4,745.34	
		For Class 54 Rating, Add	6,506.93	
		For Class 55 Rating, Add	9,692.13	
		For Class 56 Rating, Add	12,834.18	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1533	EA		42" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	47,305.88	1,983.56
			For Class 52 Rating, Deduct	-4,873.05	
			For Class 54 Rating, Add	6,681.14	
			For Class 55 Rating, Add	9,951.13	
			For Class 56 Rating, Add	13,176.83	
40 05 19 00-1534	EA		42" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	48,482.95	1,986.46
			For Class 52 Rating, Deduct	-5,002.05	
			For Class 54 Rating, Add	6,857.09	
			For Class 55 Rating, Add	10,212.75	
			For Class 56 Rating, Add	13,522.94	
40 05 19 00-1535	EA		42" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	49,648.31	1,989.34
			For Class 52 Rating, Deduct	-5,129.76	
			For Class 54 Rating, Add	7,031.29	
			For Class 55 Rating, Add	10,471.76	
			For Class 56 Rating, Add	13,865.59	
40 05 19 00-1536	EA		42" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	50,827.72	1,992.23
			For Class 52 Rating, Deduct	-5,259.01	
			For Class 54 Rating, Add	7,207.60	
			For Class 55 Rating, Add	10,733.90	
			For Class 56 Rating, Add	14,212.38	
40 05 19 00-1537	EA		42" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	51,990.75	1,995.10
			For Class 52 Rating, Deduct	-5,386.46	
			For Class 54 Rating, Add	7,381.45	
			For Class 55 Rating, Add	10,992.38	
			For Class 56 Rating, Add	14,554.34	
40 05 19 00-1538	EA		42" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	53,170.15	1,997.98
			For Class 52 Rating, Deduct	-5,515.72	
			For Class 54 Rating, Add	7,557.76	
			For Class 55 Rating, Add	11,254.52	
			For Class 56 Rating, Add	14,901.14	
40 05 19 00-1539	EA		42" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	54,335.52	2,000.88
			For Class 52 Rating, Deduct	-5,643.43	
			For Class 54 Rating, Add	7,731.96	
			For Class 55 Rating, Add	11,513.53	
			For Class 56 Rating, Add	15,243.79	
40 05 19 00-1540	EA		42" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	55,512.59	2,003.75
			For Class 52 Rating, Deduct	-5,772.43	
			For Class 54 Rating, Add	7,907.92	
			For Class 55 Rating, Add	11,775.15	
			For Class 56 Rating, Add	15,589.89	
40 05 19 00-1541			48" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-1028)		
40 05 19 00-1542	EA		48" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,700.08	2,384.32
			For Class 52 Rating, Deduct	-1,329.62	
			For Class 54 Rating, Add	1,856.47	
			For Class 55 Rating, Add	2,782.21	
			For Class 56 Rating, Add	3,695.86	
40 05 19 00-1543	EA		48" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,415.52	2,387.20
			For Class 52 Rating, Deduct	-1,517.84	
			For Class 54 Rating, Add	2,113.18	
			For Class 55 Rating, Add	3,163.88	
			For Class 56 Rating, Add	4,200.78	
40 05 19 00-1544	EA		48" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,128.61	2,390.09
			For Class 52 Rating, Deduct	-1,705.80	
			For Class 54 Rating, Add	2,369.55	
			For Class 55 Rating, Add	3,545.03	
			For Class 56 Rating, Add	4,705.01	
40 05 19 00-1545	EA		48" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,855.75	2,392.98
			For Class 52 Rating, Deduct	-1,895.30	
			For Class 54 Rating, Add	2,628.01	
			For Class 55 Rating, Add	3,929.32	
			For Class 56 Rating, Add	5,213.39	
40 05 19 00-1546	EA		48" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,571.19	2,395.85
			For Class 52 Rating, Deduct	-2,083.52	
			For Class 54 Rating, Add	2,884.73	
			For Class 55 Rating, Add	4,310.99	
			For Class 56 Rating, Add	5,718.31	
40 05 19 00-1547	EA		48" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,286.62	2,398.74
			For Class 52 Rating, Deduct	-2,271.74	
			For Class 54 Rating, Add	3,141.44	
			For Class 55 Rating, Add	4,692.66	
			For Class 56 Rating, Add	6,223.23	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
40 05 19 00-1548	EA 48" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	26,011.41		2,401.62
	Pipe			
	For Class 52 Rating, Deduct	-2,460.99		
	For Class 54 Rating, Add	3,399.56		
	For Class 55 Rating, Add	5,076.42		
	For Class 56 Rating, Add	6,730.91		
40 05 19 00-1549	EA 48" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	27,729.20		2,404.49
	Pipe			
	For Class 52 Rating, Deduct	-2,649.46		
	For Class 54 Rating, Add	3,656.62		
	For Class 55 Rating, Add	5,458.62		
	For Class 56 Rating, Add	7,236.53		
40 05 19 00-1550	EA 48" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	29,442.28		2,407.38
	Pipe			
	For Class 52 Rating, Deduct	-2,837.42		
	For Class 54 Rating, Add	3,912.98		
	For Class 55 Rating, Add	5,839.77		
	For Class 56 Rating, Add	7,740.76		
40 05 19 00-1551	EA 48" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	31,169.42		2,410.27
	Pipe			
	For Class 52 Rating, Deduct	-3,026.93		
	For Class 54 Rating, Add	4,171.45		
	For Class 55 Rating, Add	6,224.05		
	For Class 56 Rating, Add	8,249.13		
40 05 19 00-1552	EA 48" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	32,884.86		2,413.16
	Pipe			
	For Class 52 Rating, Deduct	-3,215.14		
	For Class 54 Rating, Add	4,428.16		
	For Class 55 Rating, Add	6,605.72		
	For Class 56 Rating, Add	8,754.05		
40 05 19 00-1553	EA 48" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	34,612.00		2,416.03
	Pipe			
	For Class 52 Rating, Deduct	-3,404.65		
	For Class 54 Rating, Add	4,686.63		
	For Class 55 Rating, Add	6,990.00		
	For Class 56 Rating, Add	9,262.43		
40 05 19 00-1554	EA 48" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	36,325.09		2,418.91
	Pipe			
	For Class 52 Rating, Deduct	-3,592.61		
	For Class 54 Rating, Add	4,942.99		
	For Class 55 Rating, Add	7,371.16		
	For Class 56 Rating, Add	9,766.66		
40 05 19 00-1555	EA 48" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	38,040.53		2,421.81
	Pipe			
	For Class 52 Rating, Deduct	-3,780.82		
	For Class 54 Rating, Add	5,199.70		
	For Class 55 Rating, Add	7,752.83		
	For Class 56 Rating, Add	10,271.58		
40 05 19 00-1556	EA 48" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	39,767.66		2,424.69
	Pipe			
	For Class 52 Rating, Deduct	-3,970.33		
	For Class 54 Rating, Add	5,458.17		
	For Class 55 Rating, Add	8,137.11		
	For Class 56 Rating, Add	10,779.96		
40 05 19 00-1557	EA 48" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	41,483.10		2,427.57
	Pipe			
	For Class 52 Rating, Deduct	-4,158.55		
	For Class 54 Rating, Add	5,714.88		
	For Class 55 Rating, Add	8,518.78		
	For Class 56 Rating, Add	11,284.88		
40 05 19 00-1558	EA 48" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	43,196.19		2,430.45
	Pipe			
	For Class 52 Rating, Deduct	-4,346.51		
	For Class 54 Rating, Add	5,971.24		
	For Class 55 Rating, Add	8,899.93		
	For Class 56 Rating, Add	11,789.11		
40 05 19 00-1559	EA 48" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	44,923.33		2,433.33
	Pipe			
	For Class 52 Rating, Deduct	-4,536.01		
	For Class 54 Rating, Add	6,229.71		
	For Class 55 Rating, Add	9,284.22		
	For Class 56 Rating, Add	12,297.48		
40 05 19 00-1560	EA 48" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	46,638.76		2,436.21
	Pipe			
	For Class 52 Rating, Deduct	-4,724.23		
	For Class 54 Rating, Add	6,486.42		
	For Class 55 Rating, Add	9,665.89		
	For Class 56 Rating, Add	12,802.41		
40 05 19 00-1561	EA 48" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	48,351.87		2,439.10
	Pipe			
	For Class 52 Rating, Deduct	-4,912.19		
	For Class 54 Rating, Add	6,742.79		
	For Class 55 Rating, Add	10,047.04		
	For Class 56 Rating, Add	13,306.64		
40 05 19 00-1562	EA 48" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	50,079.00		2,441.99
	Pipe			
	For Class 52 Rating, Deduct	-5,101.69		
	For Class 54 Rating, Add	7,001.25		
	For Class 55 Rating, Add	10,431.32		
	For Class 56 Rating, Add	13,815.01		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1563	EA		48" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	51,796.77	2,444.87
			For Class 52 Rating, Deduct	-5,290.17	
			For Class 54 Rating, Add	7,258.32	
			For Class 55 Rating, Add	10,813.52	
			For Class 56 Rating, Add	14,320.82	
40 05 19 00-1564	EA		48" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	53,509.87	2,447.74
			For Class 52 Rating, Deduct	-5,478.13	
			For Class 54 Rating, Add	7,514.68	
			For Class 55 Rating, Add	11,194.67	
			For Class 56 Rating, Add	14,824.86	
40 05 19 00-1565	EA		48" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	55,237.01	2,450.63
			For Class 52 Rating, Deduct	-5,667.63	
			For Class 54 Rating, Add	7,773.15	
			For Class 55 Rating, Add	11,578.95	
			For Class 56 Rating, Add	15,333.23	
40 05 19 00-1566	EA		48" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	56,952.44	2,453.52
			For Class 52 Rating, Deduct	-5,855.85	
			For Class 54 Rating, Add	8,029.86	
			For Class 55 Rating, Add	11,960.62	
			For Class 56 Rating, Add	15,838.15	
40 05 19 00-1567	EA		48" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	58,665.54	2,456.39
			For Class 52 Rating, Deduct	-6,043.81	
			For Class 54 Rating, Add	8,286.22	
			For Class 55 Rating, Add	12,341.77	
			For Class 56 Rating, Add	16,342.38	
40 05 19 00-1568	EA		48" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	60,392.67	2,459.28
			For Class 52 Rating, Deduct	-6,233.31	
			For Class 54 Rating, Add	8,544.69	
			For Class 55 Rating, Add	12,726.06	
			For Class 56 Rating, Add	16,850.76	
40 05 19 00-1569	EA		48" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	62,108.11	2,462.16
			For Class 52 Rating, Deduct	-6,421.53	
			For Class 54 Rating, Add	8,801.40	
			For Class 55 Rating, Add	13,107.73	
			For Class 56 Rating, Add	17,355.68	
40 05 19 00-1570	EA		48" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	63,612.88	2,465.06
			For Class 52 Rating, Deduct	-6,586.58	
			For Class 54 Rating, Add	9,026.51	
			For Class 55 Rating, Add	13,442.42	
			For Class 56 Rating, Add	17,798.46	
40 05 19 00-1571	EA		48" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	65,550.68	2,467.93
			For Class 52 Rating, Deduct	-6,799.25	
			For Class 54 Rating, Add	9,316.58	
			For Class 55 Rating, Add	13,873.68	
			For Class 56 Rating, Add	18,368.97	
40 05 19 00-1572	EA		48" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	67,263.77	2,470.81
			For Class 52 Rating, Deduct	-6,987.21	
			For Class 54 Rating, Add	9,572.94	
			For Class 55 Rating, Add	14,254.83	
			For Class 56 Rating, Add	18,873.21	
40 05 19 00-1573	EA		48" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	68,993.26	2,473.70
			For Class 52 Rating, Deduct	-7,176.98	
			For Class 54 Rating, Add	9,831.76	
			For Class 55 Rating, Add	14,639.64	
			For Class 56 Rating, Add	19,382.27	
40 05 19 00-1574	EA		48" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	70,706.34	2,476.57
			For Class 52 Rating, Deduct	-7,364.93	
			For Class 54 Rating, Add	10,088.12	
			For Class 55 Rating, Add	15,020.79	
			For Class 56 Rating, Add	19,886.50	
40 05 19 00-1575	EA		48" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	72,419.44	2,479.46
			For Class 52 Rating, Deduct	-7,552.89	
			For Class 54 Rating, Add	10,344.48	
			For Class 55 Rating, Add	15,401.94	
			For Class 56 Rating, Add	20,390.73	
40 05 19 00-1576	EA		48" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	74,148.92	2,482.35
			For Class 52 Rating, Deduct	-7,742.66	
			For Class 54 Rating, Add	10,603.30	
			For Class 55 Rating, Add	15,786.74	
			For Class 56 Rating, Add	20,899.80	
40 05 19 00-1577	EA		48" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	75,862.02	2,485.23
			For Class 52 Rating, Deduct	-7,930.62	
			For Class 54 Rating, Add	10,859.66	
			For Class 55 Rating, Add	16,167.90	
			For Class 56 Rating, Add	21,404.03	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-1578	EA	48" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	77,577.44	2,488.11
		<i>For Class 52 Rating, Deduct</i>	-8,118.83	
		<i>For Class 54 Rating, Add</i>	11,116.38	
		<i>For Class 55 Rating, Add</i>	16,549.57	
		<i>For Class 56 Rating, Add</i>	21,908.95	
40 05 19 00-1579	EA	48" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	79,304.59	2,490.99
		<i>For Class 52 Rating, Deduct</i>	-8,308.34	
		<i>For Class 54 Rating, Add</i>	11,374.84	
		<i>For Class 55 Rating, Add</i>	16,933.85	
		<i>For Class 56 Rating, Add</i>	22,417.33	

40 05 19 00-1580 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbows (40 05 19 00-0001)

40 05 19 00-1581	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	415.61	139.10
40 05 19 00-1582	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	586.53	177.88
40 05 19 00-1583	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	827.15	201.48
40 05 19 00-1584	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	1,215.45	255.43
40 05 19 00-1585	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	1,508.82	283.25
40 05 19 00-1586	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	1,886.80	307.70
40 05 19 00-1587	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	2,324.35	379.35
40 05 19 00-1588	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	3,055.40	455.23
40 05 19 00-1589	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	3,762.08	573.24
40 05 19 00-1590	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	5,753.71	649.12
40 05 19 00-1591	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	9,708.26	859.87
40 05 19 00-1592	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	13,795.54	973.68
40 05 19 00-1593	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	23,175.84	1,112.77
40 05 19 00-1594	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	30,874.33	1,365.68

40 05 19 00-1595 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbows (40 05 19 00-0001)

40 05 19 00-1596	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	393.18	139.10
40 05 19 00-1597	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	550.64	177.88
40 05 19 00-1598	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	735.93	201.48
40 05 19 00-1599	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,083.86	255.43
40 05 19 00-1600	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,341.34	283.25
40 05 19 00-1601	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,545.86	307.70
40 05 19 00-1602	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,947.52	379.35
40 05 19 00-1603	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	2,548.47	455.23
40 05 19 00-1604	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	3,300.02	573.24
40 05 19 00-1605	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	4,360.03	649.12
40 05 19 00-1606	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	8,688.42	859.87
40 05 19 00-1607	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	13,050.85	973.68
40 05 19 00-1608	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	19,974.27	1,112.77
40 05 19 00-1609	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	27,252.57	1,365.68

40 05 19 00-1610 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbows (40 05 19 00-0001)

40 05 19 00-1611	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	391.69	139.10
40 05 19 00-1612	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	538.67	177.88
40 05 19 00-1613	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	725.47	201.48
40 05 19 00-1614	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,053.95	255.43
40 05 19 00-1615	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,407.14	283.25
40 05 19 00-1616	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,753.71	307.70
40 05 19 00-1617	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,993.88	379.35
40 05 19 00-1618	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	2,605.30	455.23
40 05 19 00-1619	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	3,546.75	573.24
40 05 19 00-1620	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	4,922.29	649.12
40 05 19 00-1621	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	8,788.61	859.87
40 05 19 00-1622	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	13,281.14	973.68
40 05 19 00-1623	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	20,433.35	1,112.77
40 05 19 00-1624	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	27,850.71	1,365.68

40 05 19 00-1625 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbows (40 05 19 00-0001)

40 05 19 00-1626	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	429.07	139.10
40 05 19 00-1627	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	608.96	177.88
40 05 19 00-1628	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	755.37	201.48
40 05 19 00-1629	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,160.12	255.43
40 05 19 00-1630	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,603.03	283.25
40 05 19 00-1631	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,804.56	307.70
40 05 19 00-1632	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	2,206.22	379.35
40 05 19 00-1633	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	2,605.30	455.23
40 05 19 00-1634	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	3,546.75	573.24
40 05 19 00-1635	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	5,124.16	649.12
40 05 19 00-1636	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	8,888.80	859.87
40 05 19 00-1637	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	13,379.83	973.68
40 05 19 00-1638	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	20,538.02	1,112.77
40 05 19 00-1639	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	28,061.56	1,365.68

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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40 05 19 00-1640

Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbows (40 05 19 00-0001)

40 05 19 00-1641	EA 6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	555.65	158.49
40 05 19 00-1642	EA 8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	688.67	170.29
40 05 19 00-1643	EA 8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	776.37	189.68
40 05 19 00-1644	EA 10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,043.58	197.26
40 05 19 00-1645	EA 10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,101.37	216.65
40 05 19 00-1646	EA 10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,204.49	228.45
40 05 19 00-1647	EA 12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,122.11	211.59
40 05 19 00-1648	EA 12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,265.14	230.99
40 05 19 00-1649	EA 12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,456.48	242.79
40 05 19 00-1650	EA 12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,551.19	269.76
40 05 19 00-1651	EA 14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,456.48	242.79
40 05 19 00-1652	EA 14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,614.93	254.59
40 05 19 00-1653	EA 14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,799.35	281.56
40 05 19 00-1654	EA 14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,993.03	295.89
40 05 19 00-1655	EA 16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,679.75	278.61
40 05 19 00-1656	EA 16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,812.77	290.42
40 05 19 00-1657	EA 16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,082.43	317.39
40 05 19 00-1658	EA 16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,273.97	331.31
40 05 19 00-1659	EA 16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,436.05	343.53
40 05 19 00-1660	EA 18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,966.01	316.55
40 05 19 00-1661	EA 18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,356.24	328.36
40 05 19 00-1662	EA 18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,425.52	355.33
40 05 19 00-1663	EA 18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,561.74	369.24
40 05 19 00-1664	EA 18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,780.64	381.46
40 05 19 00-1665	EA 18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,032.31	417.29
40 05 19 00-1666	EA 20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,539.91	375.56
40 05 19 00-1667	EA 20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,711.82	387.36
40 05 19 00-1668	EA 20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,367.28	414.34
40 05 19 00-1669	EA 20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,494.54	428.25
40 05 19 00-1670	EA 20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,856.99	440.48
40 05 19 00-1671	EA 20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,769.20	476.30
40 05 19 00-1672	EA 20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,012.11	514.24
40 05 19 00-1673	EA 24" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,581.34	413.50
40 05 19 00-1674	EA 24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,754.74	425.30
40 05 19 00-1675	EA 24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,040.85	452.28
40 05 19 00-1676	EA 24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,247.35	466.18
40 05 19 00-1677	EA 24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,635.23	478.41
40 05 19 00-1678	EA 24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,996.06	514.24
40 05 19 00-1679	EA 24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,114.85	552.17
40 05 19 00-1680	EA 24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,382.24	546.07
40 05 19 00-1681	EA 30" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,404.82	571.56
40 05 19 00-1682	EA 30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,819.61	583.78
40 05 19 00-1683	EA 30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,690.35	619.62
40 05 19 00-1684	EA 30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	8,944.12	657.55
40 05 19 00-1685	EA 30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	10,344.97	716.56
40 05 19 00-1686	EA 30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	10,925.82	754.49
40 05 19 00-1687	EA 36" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	8,834.26	628.47
40 05 19 00-1688	EA 36" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	11,454.71	640.69
40 05 19 00-1689	EA 36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	9,303.33	676.51
40 05 19 00-1690	EA 36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	12,160.14	714.45
40 05 19 00-1691	EA 36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	11,625.97	773.46
40 05 19 00-1692	EA 36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	12,677.87	811.40
40 05 19 00-1693	EA 36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	13,522.40	916.77
40 05 19 00-1694	EA 42" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	15,657.38	710.24
40 05 19 00-1695	EA 42" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	13,194.96	746.06
40 05 19 00-1696	EA 42" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	17,787.87	784.00
40 05 19 00-1697	EA 42" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	17,498.96	843.01
40 05 19 00-1698	EA 42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	15,264.04	880.95
40 05 19 00-1699	EA 42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	17,989.75	986.33
40 05 19 00-1700	EA 42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	25,427.15	1,043.22
40 05 19 00-1701	EA 48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	24,334.60	1,017.93
40 05 19 00-1702	EA 48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	26,463.66	1,123.31
40 05 19 00-1703	EA 48" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	27,237.73	1,180.22
40 05 19 00-1704	EA 48" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	34,848.32	1,249.77

40 05 19 00-1705

Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbows (40 05 19 00-0001)

40 05 19 00-1706	EA 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	497.86	139.10
40 05 19 00-1707	EA 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	770.46	177.88
40 05 19 00-1708	EA 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	1,135.19	201.48
40 05 19 00-1709	EA 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	1,616.21	255.43
40 05 19 00-1710	EA 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	2,287.90	283.25
40 05 19 00-1711	EA 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	2,668.88	307.70
40 05 19 00-1712	EA 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	3,463.82	379.35
40 05 19 00-1713	EA 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	4,292.06	455.23
40 05 19 00-1714	EA 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	5,855.59	573.24
40 05 19 00-1715	EA 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	8,615.83	649.12
40 05 19 00-1716	EA 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	15,185.76	859.87
40 05 19 00-1717	EA 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	23,140.05	973.68
40 05 19 00-1718	EA 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	35,908.83	1,112.77

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-1719 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbows With Base
(40 05 19 00-0001)

40 05 19 00-1720	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	526.27	139.10
40 05 19 00-1721	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	715.13	177.88
40 05 19 00-1722	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	1,174.07	201.48
40 05 19 00-1723	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	1,587.79	255.43
40 05 19 00-1724	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	2,136.87	283.25
40 05 19 00-1725	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	2,525.32	307.70
40 05 19 00-1726	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	3,119.88	379.35
40 05 19 00-1727	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	3,921.21	455.23
40 05 19 00-1728	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	5,176.69	573.24
40 05 19 00-1729	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	7,323.84	649.12
40 05 19 00-1730	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	12,020.09	859.87
40 05 19 00-1731	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	17,204.96	973.68
40 05 19 00-1732	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	32,002.95	1,112.77
40 05 19 00-1733	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	34,497.59	1,365.68

40 05 19 00-1734 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tees
(40 05 19 00-0001)

40 05 19 00-1735	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	712.32	223.39
40 05 19 00-1736	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	882.95	274.82
40 05 19 00-1737	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	1,244.01	306.85
40 05 19 00-1738	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	1,788.49	398.74
40 05 19 00-1739	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	2,381.73	435.00
40 05 19 00-1740	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	3,195.68	467.87
40 05 19 00-1741	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	3,617.16	590.10
40 05 19 00-1742	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	4,413.31	674.41
40 05 19 00-1743	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	5,566.79	851.44
40 05 19 00-1744	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	8,216.11	939.95
40 05 19 00-1745	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	14,000.18	1,298.23
40 05 19 00-1746	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	20,201.73	1,487.91
40 05 19 00-1747	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	41,857.37	1,719.74

40 05 19 00-1748 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tees
(40 05 19 00-0001)

40 05 19 00-1749	EA	6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	893.98	249.53
40 05 19 00-1750	EA	8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,109.49	254.59
40 05 19 00-1751	EA	8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,107.19	286.62
40 05 19 00-1752	EA	10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,465.89	281.56
40 05 19 00-1753	EA	10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,445.64	313.60
40 05 19 00-1754	EA	10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,524.15	333.84
40 05 19 00-1755	EA	12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,861.44	295.89
40 05 19 00-1756	EA	12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,854.66	327.94
40 05 19 00-1757	EA	12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,958.58	348.17
40 05 19 00-1758	EA	12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,333.57	413.08
40 05 19 00-1759	EA	14" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,719.72	307.70
40 05 19 00-1760	EA	14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,659.09	339.74
40 05 19 00-1761	EA	14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,776.49	359.97
40 05 19 00-1762	EA	14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,930.16	424.88
40 05 19 00-1763	EA	14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,107.56	447.22
40 05 19 00-1764	EA	16" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,300.36	343.53
40 05 19 00-1765	EA	16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,037.87	375.56
40 05 19 00-1766	EA	16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,987.77	395.79
40 05 19 00-1767	EA	16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,506.33	460.71
40 05 19 00-1768	EA	16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,401.10	483.04
40 05 19 00-1769	EA	16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,794.27	503.69
40 05 19 00-1770	EA	18" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,038.23	381.46
40 05 19 00-1771	EA	18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,037.03	413.50
40 05 19 00-1772	EA	18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,661.35	433.73
40 05 19 00-1773	EA	18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,671.47	498.64
40 05 19 00-1774	EA	18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,996.92	520.98
40 05 19 00-1775	EA	18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,364.66	541.64
40 05 19 00-1776	EA	18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,667.55	628.04
40 05 19 00-1777	EA	20" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	8,945.70	440.48
40 05 19 00-1778	EA	20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,472.26	472.51
40 05 19 00-1779	EA	20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,564.23	492.74
40 05 19 00-1780	EA	20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,755.29	557.65
40 05 19 00-1781	EA	20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,941.66	579.99
40 05 19 00-1782	EA	20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	5,004.37	600.65
40 05 19 00-1783	EA	20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	6,028.02	687.05
40 05 19 00-1784	EA	20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	6,159.59	733.42
40 05 19 00-1785	EA	24" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	5,927.22	478.41
40 05 19 00-1786	EA	24" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	5,114.43	510.45
40 05 19 00-1787	EA	24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	5,346.95	530.68
40 05 19 00-1788	EA	24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	5,557.46	595.58
40 05 19 00-1789	EA	24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	6,231.32	617.93
40 05 19 00-1790	EA	24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	6,385.23	638.58
40 05 19 00-1791	EA	24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	6,596.91	724.99
40 05 19 00-1792	EA	24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	8,678.42	771.35
40 05 19 00-1793	EA	24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	8,975.40	824.26
40 05 19 00-1794	EA	30" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	10,530.28	615.82
40 05 19 00-1795	EA	30" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	10,592.33	636.05

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1796	EA	30" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	10,889.57	700.97
40 05 19 00-1797	EA	30" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	10,923.42	723.30
40 05 19 00-1798	EA	30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	10,954.71	743.96
40 05 19 00-1799	EA	30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	11,184.33	830.37
40 05 19 00-1800	EA	30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	11,320.39	876.74
40 05 19 00-1801	EA	30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	11,662.19	994.75
40 05 19 00-1802	EA	30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	14,938.90	1,045.33
40 05 19 00-1803	EA	36" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	14,524.48	881.37
40 05 19 00-1804	EA	36" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	15,540.18	897.39
40 05 19 00-1805	EA	36" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	15,642.68	943.33
40 05 19 00-1806	EA	36" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	15,768.84	961.45
40 05 19 00-1807	EA	36" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	15,826.65	977.90
40 05 19 00-1808	EA	36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	15,985.04	1,039.01
40 05 19 00-1809	EA	36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	16,081.80	1,081.16
40 05 19 00-1810	EA	36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	16,347.51	1,169.68
40 05 19 00-1811	EA	36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	16,712.15	1,213.93
40 05 19 00-1812	EA	36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	21,894.33	1,393.07
40 05 19 00-1813	EA	42" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	26,015.67	762.50
40 05 19 00-1814	EA	42" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	23,518.08	827.41
40 05 19 00-1815	EA	42" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	23,551.93	849.75
40 05 19 00-1816	EA	42" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	23,617.62	870.40
40 05 19 00-1817	EA	42" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	23,818.81	956.81
40 05 19 00-1818	EA	42" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	24,065.52	1,003.18
40 05 19 00-1819	EA	42" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	24,244.34	1,121.20
40 05 19 00-1820	EA	42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	24,602.10	1,171.79
40 05 19 00-1821	EA	42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	31,174.58	1,424.69
40 05 19 00-1822	EA	42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	40,063.80	1,557.46
40 05 19 00-1823	EA	48" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	31,849.37	986.75
40 05 19 00-1824	EA	48" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	31,880.68	1,007.40
40 05 19 00-1825	EA	48" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	32,116.27	1,093.81
40 05 19 00-1826	EA	48" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	32,186.53	1,140.17
40 05 19 00-1827	EA	48" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	32,504.42	1,258.20
40 05 19 00-1828	EA	48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	32,827.78	1,308.77
40 05 19 00-1829	EA	48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	33,704.43	1,561.68
40 05 19 00-1830 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tees With Base				
		(40 05 19 00-0001)		
40 05 19 00-1831	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	769.14	223.39
40 05 19 00-1832	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	1,045.95	274.82
40 05 19 00-1833	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	1,525.14	306.85
40 05 19 00-1834	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	2,319.34	398.74
40 05 19 00-1835	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	3,117.45	435.00
40 05 19 00-1836	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	3,482.79	467.87
40 05 19 00-1837	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	4,322.97	590.10
40 05 19 00-1838	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	5,252.20	674.41
40 05 19 00-1839	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	7,014.30	851.44
40 05 19 00-1840	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	10,103.25	939.95
40 05 19 00-1841	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	16,938.56	1,298.23
40 05 19 00-1842	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	24,147.99	1,487.91
40 05 19 00-1843 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wyes				
		(40 05 19 00-0001)		
40 05 19 00-1844	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	625.59	223.39
40 05 19 00-1845	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	875.48	274.82
40 05 19 00-1846	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	1,266.44	306.85
40 05 19 00-1847	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	1,664.37	398.74
40 05 19 00-1848	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	2,374.26	435.00
40 05 19 00-1849	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	3,082.04	467.87
40 05 19 00-1850 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Crosses				
		0001		
40 05 19 00-1851	EA	4" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	859.49	307.70
40 05 19 00-1852	EA	6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,134.71	333.41
40 05 19 00-1853	EA	6" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,201.81	371.77
40 05 19 00-1854	EA	8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,400.22	338.89
40 05 19 00-1855	EA	8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,526.23	383.57
40 05 19 00-1856	EA	8" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,580.13	412.23
40 05 19 00-1857	EA	10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,811.95	365.87
40 05 19 00-1858	EA	10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,994.78	410.54
40 05 19 00-1859	EA	10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,181.76	439.21
40 05 19 00-1860	EA	10" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,708.44	542.06
40 05 19 00-1861	EA	12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,347.42	379.77
40 05 19 00-1862	EA	12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,471.94	424.46
40 05 19 00-1863	EA	12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,660.43	453.12
40 05 19 00-1864	EA	12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,215.51	555.96
40 05 19 00-1865	EA	12" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,027.35	586.73
40 05 19 00-1866	EA	14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,948.05	436.68
40 05 19 00-1867	EA	14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,135.03	465.34
40 05 19 00-1868	EA	14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,491.23	568.19
40 05 19 00-1869	EA	14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,796.55	598.96
40 05 19 00-1870	EA	14" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,982.67	628.04
40 05 19 00-1871	EA	16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,518.22	472.51
40 05 19 00-1872	EA	16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,732.12	501.17

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

40 05 19 00-1873	EA	16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	4,088.33	604.02
40 05 19 00-1874	EA	16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	4,422.06	634.79
40 05 19 00-1875	EA	16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	6,169.34	663.87
40 05 19 00-1876	EA	16" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	5,016.12	800.86
40 05 19 00-1877	EA	18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,662.44	510.45
40 05 19 00-1878	EA	18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,874.83	539.11
40 05 19 00-1879	EA	18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	4,174.23	641.95
40 05 19 00-1880	EA	18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	4,506.46	672.72
40 05 19 00-1881	EA	18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	5,178.58	701.81
40 05 19 00-1882	EA	18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	5,644.83	838.79
40 05 19 00-1883	EA	18" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	5,899.81	893.59
40 05 19 00-1884	EA	20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	4,773.18	569.45
40 05 19 00-1885	EA	20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	5,000.54	598.12
40 05 19 00-1886	EA	20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	5,278.98	700.97
40 05 19 00-1887	EA	20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	5,633.64	731.73
40 05 19 00-1888	EA	20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	5,739.02	760.81
40 05 19 00-1889	EA	20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	6,993.33	897.81
40 05 19 00-1890	EA	20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	7,260.29	952.60
40 05 19 00-1891	EA	20" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	7,960.68	1,129.63
40 05 19 00-1892	EA	24" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	6,308.06	607.39
40 05 19 00-1893	EA	24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	6,472.62	636.05
40 05 19 00-1894	EA	24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	6,843.78	738.90
40 05 19 00-1895	EA	24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	7,075.82	769.66
40 05 19 00-1896	EA	24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	7,212.61	798.76
40 05 19 00-1897	EA	24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	7,635.50	935.74
40 05 19 00-1898	EA	24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	9,904.74	990.54
40 05 19 00-1899	EA	24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	10,472.07	1,102.45
40 05 19 00-1900	EA	24" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	11,529.35	1,230.79
40 05 19 00-1901	EA	30" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	11,648.29	875.05
40 05 19 00-1902	EA	30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	11,725.26	904.13
40 05 19 00-1903	EA	30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	12,163.10	1,041.11
40 05 19 00-1904	EA	30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	12,311.93	1,095.91
40 05 19 00-1905	EA	30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	12,943.53	1,272.95
40 05 19 00-1906	EA	30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	16,831.55	1,336.18
40 05 19 00-1907	EA	30" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	19,117.55	1,736.60
40 05 19 00-1908	EA	36" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	16,457.83	1,113.19
40 05 19 00-1909	EA	36" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	16,495.51	1,138.06
40 05 19 00-1910	EA	36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	16,865.12	1,249.77
40 05 19 00-1911	EA	36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	17,006.05	1,300.34
40 05 19 00-1912	EA	36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	17,527.16	1,447.87
40 05 19 00-1913	EA	36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	18,141.24	1,504.77
40 05 19 00-1914	EA	36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	24,536.88	1,831.44
40 05 19 00-1915	EA	36" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	26,905.49	2,002.15
40 05 19 00-1916	EA	42" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	24,309.70	1,001.50
40 05 19 00-1917	EA	42" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	24,353.76	1,030.58
40 05 19 00-1918	EA	42" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	24,772.16	1,167.57
40 05 19 00-1919	EA	42" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	24,889.59	1,222.36
40 05 19 00-1920	EA	42" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	25,474.83	1,399.40
40 05 19 00-1921	EA	42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	26,098.48	1,462.62
40 05 19 00-1922	EA	42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	33,597.32	1,863.05
40 05 19 00-1923	EA	42" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	46,435.59	2,071.70
40 05 19 00-1924	EA	48" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	34,406.00	2,326.71
40 05 19 00-1925	EA	48" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	32,613.83	1,167.57
40 05 19 00-1926	EA	48" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	33,033.73	1,304.56
40 05 19 00-1927	EA	48" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	33,151.16	1,359.36
40 05 19 00-1928	EA	48" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	33,700.51	1,536.39
40 05 19 00-1929	EA	48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	34,324.16	1,599.61
40 05 19 00-1930	EA	48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	35,880.44	2,000.04

40 05 19 00-1931 Flanged End x Flanged End, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducers

(40 05 19 00-0001)

40 05 19 00-1932	EA	6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	458.45	158.49
40 05 19 00-1933	EA	8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	585.49	170.29
40 05 19 00-1934	EA	8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	644.78	189.68
40 05 19 00-1935	EA	10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	787.87	197.26
40 05 19 00-1936	EA	10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	794.82	216.65
40 05 19 00-1937	EA	10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	929.34	228.45
40 05 19 00-1938	EA	12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,006.97	211.59
40 05 19 00-1939	EA	12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,040.84	230.99
40 05 19 00-1940	EA	12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,140.96	242.79
40 05 19 00-1941	EA	12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,283.52	269.76
40 05 19 00-1942	EA	14" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,576.18	230.99
40 05 19 00-1943	EA	14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,254.61	242.79
40 05 19 00-1944	EA	14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,387.63	254.59
40 05 19 00-1945	EA	14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,525.70	281.56
40 05 19 00-1946	EA	14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,483.11	295.89
40 05 19 00-1947	EA	16" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,865.70	259.23
40 05 19 00-1948	EA	16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,510.77	278.61
40 05 19 00-1949	EA	16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,426.97	290.42
40 05 19 00-1950	EA	16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,590.46	317.39
40 05 19 00-1951	EA	16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,971.91	331.31
40 05 19 00-1952	EA	16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,122.02	343.53
40 05 19 00-1953	EA	18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,360.78	316.55
40 05 19 00-1954	EA	18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,870.25	328.36

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1955	EA	18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,054.68	355.33
40 05 19 00-1956	EA	18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,041.35	369.24
40 05 19 00-1957	EA	18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,349.97	381.46
40 05 19 00-1958	EA	18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,345.94	417.29
40 05 19 00-1959	EA	20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,415.80	375.56
40 05 19 00-1960	EA	20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,342.46	387.36
40 05 19 00-1961	EA	20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,537.35	414.34
40 05 19 00-1962	EA	20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,473.21	428.25
40 05 19 00-1963	EA	20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,855.10	440.48
40 05 19 00-1964	EA	20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,679.09	476.30
40 05 19 00-1965	EA	20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,304.80	514.24
40 05 19 00-1966	EA	24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,168.56	425.30
40 05 19 00-1967	EA	24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,578.78	452.28
40 05 19 00-1968	EA	24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,849.59	466.18
40 05 19 00-1969	EA	24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,951.85	478.41
40 05 19 00-1970	EA	24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,496.21	514.24
40 05 19 00-1971	EA	24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,222.13	552.17
40 05 19 00-1972	EA	24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,459.60	546.07
40 05 19 00-1973	EA	30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	6,082.84	619.62
40 05 19 00-1974	EA	30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	6,339.20	657.55
40 05 19 00-1975	EA	30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	6,824.89	716.56
40 05 19 00-1976	EA	30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	7,541.82	754.49
40 05 19 00-1977	EA	36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	8,313.40	676.51
40 05 19 00-1978	EA	36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	8,732.77	714.45
40 05 19 00-1979	EA	36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	9,284.24	773.46
40 05 19 00-1980	EA	36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	10,101.36	811.40
40 05 19 00-1981	EA	36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	11,645.72	916.77
40 05 19 00-1982	EA	42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	14,138.03	880.95
40 05 19 00-1983	EA	42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	15,984.47	986.33
40 05 19 00-1984	EA	42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	18,075.96	1,043.22
40 05 19 00-1985	EA	48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	17,967.35	1,017.93
40 05 19 00-1986	EA	48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	20,166.70	1,123.31
40 05 19 00-1987	EA	48" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	22,539.31	1,180.22
40 05 19 00-1988	EA	48" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	25,248.11	1,249.77
40 05 19 00-1989 Flanged End x Flanged End, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducers (40 05 19 00-0001)				
40 05 19 00-1990	EA	6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	498.83	158.49
40 05 19 00-1991	EA	8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	631.85	170.29
40 05 19 00-1992	EA	8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	718.05	189.68
40 05 19 00-1993	EA	10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	787.87	197.26
40 05 19 00-1994	EA	10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	844.17	216.65
40 05 19 00-1995	EA	10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	975.70	228.45
40 05 19 00-1996	EA	12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,006.97	211.59
40 05 19 00-1997	EA	12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,094.67	230.99
40 05 19 00-1998	EA	12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,197.78	242.79
40 05 19 00-1999	EA	12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,382.21	269.76
40 05 19 00-2000	EA	14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,254.61	242.79
40 05 19 00-2001	EA	14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,359.22	254.59
40 05 19 00-2002	EA	14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,515.23	281.56
40 05 19 00-2003	EA	14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,735.82	295.89
40 05 19 00-2004	EA	16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,510.77	278.61
40 05 19 00-2005	EA	16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,640.80	290.42
40 05 19 00-2006	EA	16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,825.23	317.39
40 05 19 00-2007	EA	16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,018.27	331.31
40 05 19 00-2008	EA	16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,122.02	343.53
40 05 19 00-2009	EA	18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,870.25	328.36
40 05 19 00-2010	EA	18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,054.68	355.33
40 05 19 00-2011	EA	18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,247.71	369.24
40 05 19 00-2012	EA	18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,349.97	381.46
40 05 19 00-2013	EA	18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,576.23	417.29
40 05 19 00-2014	EA	20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,735.81	375.56
40 05 19 00-2015	EA	20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,496.48	387.36
40 05 19 00-2016	EA	20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,537.35	414.34
40 05 19 00-2017	EA	20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,773.78	428.25
40 05 19 00-2018	EA	20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,855.10	440.48
40 05 19 00-2019	EA	20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,121.71	476.30
40 05 19 00-2020	EA	20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,303.31	514.24
40 05 19 00-2021	EA	24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,476.60	425.30
40 05 19 00-2022	EA	24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,578.78	452.28
40 05 19 00-2023	EA	24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,661.17	466.18
40 05 19 00-2024	EA	24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,741.00	478.41
40 05 19 00-2025	EA	24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,012.11	514.24
40 05 19 00-2026	EA	24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,222.13	552.17
40 05 19 00-2027	EA	24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,459.60	546.07
40 05 19 00-2028	EA	30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	7,283.18	583.78
40 05 19 00-2029	EA	30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	7,105.66	619.62
40 05 19 00-2030	EA	30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	6,372.10	657.55
40 05 19 00-2031	EA	30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	6,824.89	716.56
40 05 19 00-2032	EA	30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	7,541.82	754.49
40 05 19 00-2033	EA	36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	8,379.20	676.51
40 05 19 00-2034	EA	36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	8,732.77	714.45
40 05 19 00-2035	EA	36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	9,251.34	773.46
40 05 19 00-2036	EA	36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	10,065.47	811.40

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-2037	EA	36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	11,612.83	916.77
40 05 19 00-2038	EA	42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	14,138.03	880.95
40 05 19 00-2039	EA	42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	11,947.00	986.33
40 05 19 00-2040	EA	42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	18,075.96	1,043.22
40 05 19 00-2041	EA	48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	20,166.70	1,123.31
40 05 19 00-2042	EA	48" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	22,539.31	1,180.22
40 05 19 00-2043	EA	48" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	25,248.11	1,249.77

40 05 19 00-2044 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flanges ^(40 05 19 00-0001)

40 05 19 00-2045	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	177.24	54.80
40 05 19 00-2046	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	266.17	80.93
40 05 19 00-2047	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	386.36	96.10
40 05 19 00-2048	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	531.76	112.12
40 05 19 00-2049	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	686.75	131.51
40 05 19 00-2050	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	908.40	147.53
40 05 19 00-2051	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	1,085.38	168.60
40 05 19 00-2052	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	1,470.19	236.05
40 05 19 00-2053	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	1,952.88	295.05
40 05 19 00-2054	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	2,782.89	358.28
40 05 19 00-2055	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	3,925.04	417.29
40 05 19 00-2056	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	7,015.52	459.44
40 05 19 00-2057	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	9,894.05	505.81
40 05 19 00-2058	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	13,077.77	569.03

40 05 19 00-2059 Flanged End (FxF), Ductile Iron Flexible Ball Joint ^(40 05 19 00-0001)

Note: All internal surfaces (wetted parts) shall be lined with a minimum of 15 mils of fusion bonded epoxy conforming to the applicable requirements of ANSI/AWWA C213. Sealing gaskets shall be constructed of EPDM. The coating shall meet ANSI/NSF-61. Exterior surfaces shall be coated with a minimum of 6 mils of fusion bonded epoxy conforming to the applicable requirements of ANSI/AWWA C116/A21.16.

40 05 19 00-2060	EA	3" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint.....	1,165.13	97.45
40 05 19 00-2061	EA	4" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint.....	1,352.42	114.34
40 05 19 00-2062	EA	6" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint.....	2,155.82	142.92
40 05 19 00-2063	EA	8" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint.....	2,863.24	163.36
40 05 19 00-2064	EA	10" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint.....	3,951.56	246.39
40 05 19 00-2065	EA	12" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint.....	5,176.76	268.78
40 05 19 00-2066	EA	14" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint.....	5,998.49	295.66
40 05 19 00-2067	EA	16" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint.....	6,667.55	328.48
40 05 19 00-2068	EA	18" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint.....	9,556.73	369.58
40 05 19 00-2069	EA	20" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint.....	9,756.62	422.33
40 05 19 00-2070	EA	24" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint.....	17,091.27	492.77
40 05 19 00-2071	EA	30" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint.....	60,028.79	591.33
40 05 19 00-2072	EA	36" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint.....	85,247.67	739.16

40 05 19 00-2073 Flanged End, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Piping ^(40 05 19)

Note: 350 PSI rating for 2" - 24" sizes, 250 PSI rating for 30" - 48" sizes. Pipe barrels conform to ANSI/AWWA C151/A21.51. The bolt holes are aligned per ANSI/AWWA C115/A21.15. Flanged fittings conform to ANSI/AWWA C110/A21.10. Interiors shall be ceramic epoxy. Exterior shall be bituminous coating, in accordance with ANSI/AWWA C104/A21.04. See CSI section 40 05 19 00-4103 for bolts, 40 05 19 00-4118 for gaskets.

40 05 19 00-2074 Flanged End (FxF), Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe ^(40 05 19 00-2073)
40 05 19 00-2075 4" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe ^(40 05 19 00-2074)

40 05 19 00-2076	EA	4" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,128.69	241.10
		For Class 52 Rating, Deduct	-83.97	
		For Class 54 Rating, Add	118.89	
		For Class 55 Rating, Add	179.00	
		For Class 56 Rating, Add	238.35	
40 05 19 00-2077	EA	4" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,243.72	245.32
		For Class 52 Rating, Deduct	-95.92	
		For Class 54 Rating, Add	135.26	
		For Class 55 Rating, Add	203.38	
		For Class 56 Rating, Add	270.63	
40 05 19 00-2078	EA	4" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,358.76	249.53
		For Class 52 Rating, Deduct	-107.87	
		For Class 54 Rating, Add	151.64	
		For Class 55 Rating, Add	227.77	
		For Class 56 Rating, Add	302.91	
40 05 19 00-2079	EA	4" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,473.79	253.75
		For Class 52 Rating, Deduct	-119.83	
		For Class 54 Rating, Add	168.01	
		For Class 55 Rating, Add	252.15	
		For Class 56 Rating, Add	335.19	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2080	EA	4"	Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,588.82	257.96
			For Class 52 Rating, Deduct	-131.78	
			For Class 54 Rating, Add	184.39	
			For Class 55 Rating, Add	276.53	
			For Class 56 Rating, Add	367.47	
40 05 19 00-2081	EA	4"	Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,703.86	262.18
			For Class 52 Rating, Deduct	-143.73	
			For Class 54 Rating, Add	200.76	
			For Class 55 Rating, Add	300.91	
			For Class 56 Rating, Add	399.75	
40 05 19 00-2082	EA	4"	Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,818.89	266.39
			For Class 52 Rating, Deduct	-155.68	
			For Class 54 Rating, Add	217.13	
			For Class 55 Rating, Add	325.29	
			For Class 56 Rating, Add	432.03	
40 05 19 00-2083	EA	4"	Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,933.92	270.61
			For Class 52 Rating, Deduct	-167.63	
			For Class 54 Rating, Add	233.51	
			For Class 55 Rating, Add	349.67	
			For Class 56 Rating, Add	464.31	
40 05 19 00-2084	EA	4"	Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,048.96	274.82
			For Class 52 Rating, Deduct	-179.58	
			For Class 54 Rating, Add	249.88	
			For Class 55 Rating, Add	374.05	
			For Class 56 Rating, Add	496.60	
40 05 19 00-2085	EA	4"	Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,163.99	279.04
			For Class 52 Rating, Deduct	-191.53	
			For Class 54 Rating, Add	266.25	
			For Class 55 Rating, Add	398.43	
			For Class 56 Rating, Add	528.87	
40 05 19 00-2086	EA	4"	Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,279.02	283.25
			For Class 52 Rating, Deduct	-203.48	
			For Class 54 Rating, Add	282.63	
			For Class 55 Rating, Add	422.82	
			For Class 56 Rating, Add	561.16	
40 05 19 00-2087	EA	4"	Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,394.05	287.47
			For Class 52 Rating, Deduct	-215.44	
			For Class 54 Rating, Add	299.00	
			For Class 55 Rating, Add	447.20	
			For Class 56 Rating, Add	593.44	
40 05 19 00-2088	EA	4"	Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,509.08	291.68
			For Class 52 Rating, Deduct	-227.39	
			For Class 54 Rating, Add	315.37	
			For Class 55 Rating, Add	471.58	
			For Class 56 Rating, Add	625.72	
40 05 19 00-2089	EA	4"	Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,624.11	295.89
			For Class 52 Rating, Deduct	-239.34	
			For Class 54 Rating, Add	331.75	
			For Class 55 Rating, Add	495.96	
			For Class 56 Rating, Add	658.00	
40 05 19 00-2090	EA	4"	Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,739.15	300.11
			For Class 52 Rating, Deduct	-251.29	
			For Class 54 Rating, Add	348.12	
			For Class 55 Rating, Add	520.34	
			For Class 56 Rating, Add	690.28	
40 05 19 00-2091	EA	4"	Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,854.18	304.32
			For Class 52 Rating, Deduct	-263.24	
			For Class 54 Rating, Add	364.50	
			For Class 55 Rating, Add	544.72	
			For Class 56 Rating, Add	722.56	
40 05 19 00-2092	EA	4"	Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,969.21	308.54
			For Class 52 Rating, Deduct	-275.19	
			For Class 54 Rating, Add	380.87	
			For Class 55 Rating, Add	569.11	
			For Class 56 Rating, Add	754.84	
40 05 19 00-2093	EA	4"	Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,084.25	312.75
			For Class 52 Rating, Deduct	-287.14	
			For Class 54 Rating, Add	397.24	
			For Class 55 Rating, Add	593.49	
			For Class 56 Rating, Add	787.12	
40 05 19 00-2094	EA	4"	Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,199.28	316.97
			For Class 52 Rating, Deduct	-299.09	
			For Class 54 Rating, Add	413.62	
			For Class 55 Rating, Add	617.87	
			For Class 56 Rating, Add	819.40	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-2095	EA	4" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,314.31	321.19
		For Class 52 Rating, Deduct	-311.04	
		For Class 54 Rating, Add	429.99	
		For Class 55 Rating, Add	642.25	
		For Class 56 Rating, Add	851.68	
40 05 19 00-2096	EA	4" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,429.35	325.41
		For Class 52 Rating, Deduct	-323.00	
		For Class 54 Rating, Add	446.36	
		For Class 55 Rating, Add	666.63	
		For Class 56 Rating, Add	883.96	
40 05 19 00-2097	EA	4" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,544.38	329.62
		For Class 52 Rating, Deduct	-334.95	
		For Class 54 Rating, Add	462.74	
		For Class 55 Rating, Add	691.01	
		For Class 56 Rating, Add	916.24	
40 05 19 00-2098	EA	4" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,659.42	333.84
		For Class 52 Rating, Deduct	-346.90	
		For Class 54 Rating, Add	479.11	
		For Class 55 Rating, Add	715.39	
		For Class 56 Rating, Add	948.52	
40 05 19 00-2099	EA	4" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,774.45	338.05
		For Class 52 Rating, Deduct	-358.85	
		For Class 54 Rating, Add	495.49	
		For Class 55 Rating, Add	739.78	
		For Class 56 Rating, Add	980.81	
40 05 19 00-2100	EA	4" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,889.48	342.26
		For Class 52 Rating, Deduct	-370.80	
		For Class 54 Rating, Add	511.86	
		For Class 55 Rating, Add	764.16	
		For Class 56 Rating, Add	1,013.08	
40 05 19 00-2101	EA	4" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,004.52	346.48
		For Class 52 Rating, Deduct	-382.75	
		For Class 54 Rating, Add	528.23	
		For Class 55 Rating, Add	788.54	
		For Class 56 Rating, Add	1,045.37	
40 05 19 00-2102	EA	4" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,119.55	350.69
		For Class 52 Rating, Deduct	-394.70	
		For Class 54 Rating, Add	544.61	
		For Class 55 Rating, Add	812.92	
		For Class 56 Rating, Add	1,077.65	
40 05 19 00-2103	EA	4" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,234.58	354.91
		For Class 52 Rating, Deduct	-406.65	
		For Class 54 Rating, Add	560.98	
		For Class 55 Rating, Add	837.30	
		For Class 56 Rating, Add	1,109.93	
40 05 19 00-2104	EA	4" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,349.62	359.12
		For Class 52 Rating, Deduct	-418.60	
		For Class 54 Rating, Add	577.35	
		For Class 55 Rating, Add	861.68	
		For Class 56 Rating, Add	1,142.21	
40 05 19 00-2105	EA	4" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,464.65	363.34
		For Class 52 Rating, Deduct	-430.56	
		For Class 54 Rating, Add	593.73	
		For Class 55 Rating, Add	886.07	
		For Class 56 Rating, Add	1,174.49	
40 05 19 00-2106	EA	4" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,579.68	367.55
		For Class 52 Rating, Deduct	-442.51	
		For Class 54 Rating, Add	610.10	
		For Class 55 Rating, Add	910.45	
		For Class 56 Rating, Add	1,206.77	
40 05 19 00-2107	EA	4" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,694.72	371.77
		For Class 52 Rating, Deduct	-454.46	
		For Class 54 Rating, Add	626.47	
		For Class 55 Rating, Add	934.83	
		For Class 56 Rating, Add	1,239.05	
40 05 19 00-2108	EA	4" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,809.75	375.98
		For Class 52 Rating, Deduct	-466.41	
		For Class 54 Rating, Add	642.85	
		For Class 55 Rating, Add	959.21	
		For Class 56 Rating, Add	1,271.33	
40 05 19 00-2109	EA	4" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,924.78	380.20
		For Class 52 Rating, Deduct	-478.36	
		For Class 54 Rating, Add	659.22	
		For Class 55 Rating, Add	983.59	
		For Class 56 Rating, Add	1,303.61	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2110	EA		4" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,039.82	384.41
			For Class 52 Rating, Deduct	-490.31	
			For Class 54 Rating, Add	675.59	
			For Class 55 Rating, Add	1,007.97	
			For Class 56 Rating, Add	1,335.89	
40 05 19 00-2111	EA		4" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,154.84	388.63
			For Class 52 Rating, Deduct	-502.26	
			For Class 54 Rating, Add	691.97	
			For Class 55 Rating, Add	1,032.35	
			For Class 56 Rating, Add	1,368.17	
40 05 19 00-2112	EA		4" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,269.88	392.84
			For Class 52 Rating, Deduct	-514.21	
			For Class 54 Rating, Add	708.34	
			For Class 55 Rating, Add	1,056.73	
			For Class 56 Rating, Add	1,400.45	
40 05 19 00-2113	EA		4" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,384.92	397.05
			For Class 52 Rating, Deduct	-526.16	
			For Class 54 Rating, Add	724.72	
			For Class 55 Rating, Add	1,081.12	
			For Class 56 Rating, Add	1,432.73	
40 05 19 00-2114	EA		4" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,499.94	401.27
			For Class 52 Rating, Deduct	-538.11	
			For Class 54 Rating, Add	741.09	
			For Class 55 Rating, Add	1,105.50	
			For Class 56 Rating, Add	1,465.01	
40 05 19 00-2115			6" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-2074)		
40 05 19 00-2116	EA		6" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,411.92	303.48
			For Class 52 Rating, Deduct	-104.73	
			For Class 54 Rating, Add	148.33	
			For Class 55 Rating, Add	223.35	
			For Class 56 Rating, Add	297.42	
40 05 19 00-2117	EA		6" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,544.10	307.70
			For Class 52 Rating, Deduct	-118.57	
			For Class 54 Rating, Add	167.28	
			For Class 55 Rating, Add	251.56	
			For Class 56 Rating, Add	334.76	
40 05 19 00-2118	EA		6" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,676.29	311.91
			For Class 52 Rating, Deduct	-132.41	
			For Class 54 Rating, Add	186.22	
			For Class 55 Rating, Add	279.77	
			For Class 56 Rating, Add	372.10	
40 05 19 00-2119	EA		6" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,808.48	316.12
			For Class 52 Rating, Deduct	-146.24	
			For Class 54 Rating, Add	205.17	
			For Class 55 Rating, Add	307.97	
			For Class 56 Rating, Add	409.44	
40 05 19 00-2120	EA		6" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,940.66	320.34
			For Class 52 Rating, Deduct	-160.08	
			For Class 54 Rating, Add	224.12	
			For Class 55 Rating, Add	336.18	
			For Class 56 Rating, Add	446.78	
40 05 19 00-2121	EA		6" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,072.85	324.56
			For Class 52 Rating, Deduct	-173.92	
			For Class 54 Rating, Add	243.06	
			For Class 55 Rating, Add	364.39	
			For Class 56 Rating, Add	484.12	
40 05 19 00-2122	EA		6" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,205.04	328.78
			For Class 52 Rating, Deduct	-187.76	
			For Class 54 Rating, Add	262.01	
			For Class 55 Rating, Add	392.59	
			For Class 56 Rating, Add	521.47	
40 05 19 00-2123	EA		6" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,337.23	332.99
			For Class 52 Rating, Deduct	-201.60	
			For Class 54 Rating, Add	280.96	
			For Class 55 Rating, Add	420.80	
			For Class 56 Rating, Add	558.81	
40 05 19 00-2124	EA		6" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,469.42	337.21
			For Class 52 Rating, Deduct	-215.44	
			For Class 54 Rating, Add	299.91	
			For Class 55 Rating, Add	449.01	
			For Class 56 Rating, Add	596.15	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-2125	EA	6" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,601.60	341.42
		For Class 52 Rating, Deduct	-229.27	
		For Class 54 Rating, Add	318.85	
		For Class 55 Rating, Add	477.21	
		For Class 56 Rating, Add	633.49	
40 05 19 00-2126	EA	6" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,733.78	345.64
		For Class 52 Rating, Deduct	-243.11	
		For Class 54 Rating, Add	337.80	
		For Class 55 Rating, Add	505.42	
		For Class 56 Rating, Add	670.83	
40 05 19 00-2127	EA	6" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,865.97	349.85
		For Class 52 Rating, Deduct	-256.95	
		For Class 54 Rating, Add	356.75	
		For Class 55 Rating, Add	533.63	
		For Class 56 Rating, Add	708.17	
40 05 19 00-2128	EA	6" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,998.16	354.07
		For Class 52 Rating, Deduct	-270.79	
		For Class 54 Rating, Add	375.69	
		For Class 55 Rating, Add	561.83	
		For Class 56 Rating, Add	745.51	
40 05 19 00-2129	EA	6" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,130.34	358.28
		For Class 52 Rating, Deduct	-284.63	
		For Class 54 Rating, Add	394.64	
		For Class 55 Rating, Add	590.04	
		For Class 56 Rating, Add	782.85	
40 05 19 00-2130	EA	6" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,262.53	362.50
		For Class 52 Rating, Deduct	-298.46	
		For Class 54 Rating, Add	413.59	
		For Class 55 Rating, Add	618.25	
		For Class 56 Rating, Add	820.20	
40 05 19 00-2131	EA	6" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,394.73	366.71
		For Class 52 Rating, Deduct	-312.30	
		For Class 54 Rating, Add	432.53	
		For Class 55 Rating, Add	646.46	
		For Class 56 Rating, Add	857.54	
40 05 19 00-2132	EA	6" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,526.91	370.92
		For Class 52 Rating, Deduct	-326.14	
		For Class 54 Rating, Add	451.48	
		For Class 55 Rating, Add	674.66	
		For Class 56 Rating, Add	894.88	
40 05 19 00-2133	EA	6" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,659.10	375.14
		For Class 52 Rating, Deduct	-339.98	
		For Class 54 Rating, Add	470.43	
		For Class 55 Rating, Add	702.87	
		For Class 56 Rating, Add	932.22	
40 05 19 00-2134	EA	6" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,791.29	379.35
		For Class 52 Rating, Deduct	-353.82	
		For Class 54 Rating, Add	489.37	
		For Class 55 Rating, Add	731.08	
		For Class 56 Rating, Add	969.56	
40 05 19 00-2135	EA	6" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,923.47	383.57
		For Class 52 Rating, Deduct	-367.65	
		For Class 54 Rating, Add	508.32	
		For Class 55 Rating, Add	759.28	
		For Class 56 Rating, Add	1,006.90	
40 05 19 00-2136	EA	6" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,055.66	387.78
		For Class 52 Rating, Deduct	-381.49	
		For Class 54 Rating, Add	527.27	
		For Class 55 Rating, Add	787.49	
		For Class 56 Rating, Add	1,044.24	
40 05 19 00-2137	EA	6" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,187.85	392.00
		For Class 52 Rating, Deduct	-395.33	
		For Class 54 Rating, Add	546.21	
		For Class 55 Rating, Add	815.70	
		For Class 56 Rating, Add	1,081.59	
40 05 19 00-2138	EA	6" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,320.05	396.21
		For Class 52 Rating, Deduct	-409.17	
		For Class 54 Rating, Add	565.16	
		For Class 55 Rating, Add	843.91	
		For Class 56 Rating, Add	1,118.93	
40 05 19 00-2139	EA	6" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,452.23	400.43
		For Class 52 Rating, Deduct	-423.01	
		For Class 54 Rating, Add	584.11	
		For Class 55 Rating, Add	872.11	
		For Class 56 Rating, Add	1,156.27	

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
40 05 19 00-2140	EA	6" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,584.42	404.64
		For Class 52 Rating, Deduct	-436.85	
		For Class 54 Rating, Add	603.06	
		For Class 55 Rating, Add	900.32	
		For Class 56 Rating, Add	1,193.61	
40 05 19 00-2141	EA	6" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,716.61	408.86
		For Class 52 Rating, Deduct	-450.68	
		For Class 54 Rating, Add	622.00	
		For Class 55 Rating, Add	928.53	
		For Class 56 Rating, Add	1,230.95	
40 05 19 00-2142	EA	6" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,848.79	413.08
		For Class 52 Rating, Deduct	-464.52	
		For Class 54 Rating, Add	640.95	
		For Class 55 Rating, Add	956.73	
		For Class 56 Rating, Add	1,268.29	
40 05 19 00-2143	EA	6" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,980.98	417.29
		For Class 52 Rating, Deduct	-478.36	
		For Class 54 Rating, Add	659.90	
		For Class 55 Rating, Add	984.94	
		For Class 56 Rating, Add	1,305.63	
40 05 19 00-2144	EA	6" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,113.17	421.51
		For Class 52 Rating, Deduct	-492.20	
		For Class 54 Rating, Add	678.84	
		For Class 55 Rating, Add	1,013.15	
		For Class 56 Rating, Add	1,342.97	
40 05 19 00-2145	EA	6" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,245.35	425.72
		For Class 52 Rating, Deduct	-506.04	
		For Class 54 Rating, Add	697.79	
		For Class 55 Rating, Add	1,041.35	
		For Class 56 Rating, Add	1,380.32	
40 05 19 00-2146	EA	6" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,377.55	429.94
		For Class 52 Rating, Deduct	-519.87	
		For Class 54 Rating, Add	716.74	
		For Class 55 Rating, Add	1,069.56	
		For Class 56 Rating, Add	1,417.66	
40 05 19 00-2147	EA	6" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,509.74	434.15
		For Class 52 Rating, Deduct	-533.71	
		For Class 54 Rating, Add	735.68	
		For Class 55 Rating, Add	1,097.77	
		For Class 56 Rating, Add	1,455.00	
40 05 19 00-2148	EA	6" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,641.92	438.37
		For Class 52 Rating, Deduct	-547.55	
		For Class 54 Rating, Add	754.63	
		For Class 55 Rating, Add	1,125.97	
		For Class 56 Rating, Add	1,492.34	
40 05 19 00-2149	EA	6" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,774.11	442.58
		For Class 52 Rating, Deduct	-561.39	
		For Class 54 Rating, Add	773.58	
		For Class 55 Rating, Add	1,154.18	
		For Class 56 Rating, Add	1,529.68	
40 05 19 00-2150	EA	6" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,906.30	446.80
		For Class 52 Rating, Deduct	-575.23	
		For Class 54 Rating, Add	792.52	
		For Class 55 Rating, Add	1,182.39	
		For Class 56 Rating, Add	1,567.02	
40 05 19 00-2151	EA	6" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,038.48	451.01
		For Class 52 Rating, Deduct	-589.06	
		For Class 54 Rating, Add	811.47	
		For Class 55 Rating, Add	1,210.59	
		For Class 56 Rating, Add	1,604.36	
40 05 19 00-2152	EA	6" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,170.67	455.23
		For Class 52 Rating, Deduct	-602.90	
		For Class 54 Rating, Add	830.42	
		For Class 55 Rating, Add	1,238.80	
		For Class 56 Rating, Add	1,641.70	
40 05 19 00-2153	EA	6" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,302.86	459.44
		For Class 52 Rating, Deduct	-616.74	
		For Class 54 Rating, Add	849.36	
		For Class 55 Rating, Add	1,267.01	
		For Class 56 Rating, Add	1,679.05	
40 05 19 00-2154	EA	6" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,435.05	463.66
		For Class 52 Rating, Deduct	-630.58	
		For Class 54 Rating, Add	868.31	
		For Class 55 Rating, Add	1,295.22	
		For Class 56 Rating, Add	1,716.39	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-2155		8" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		
		(40 05 19 00-2074)		
40 05 19 00-2156	EA	8" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,962.79	387.78
		For Class 52 Rating, Deduct	-151.28	
		For Class 54 Rating, Add	213.34	
		For Class 55 Rating, Add	320.78	
		For Class 56 Rating, Add	426.85	
40 05 19 00-2157	EA	8" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,132.15	392.00
		For Class 52 Rating, Deduct	-169.20	
		For Class 54 Rating, Add	237.86	
		For Class 55 Rating, Add	357.28	
		For Class 56 Rating, Add	475.15	
40 05 19 00-2158	EA	8" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,301.51	396.21
		For Class 52 Rating, Deduct	-187.13	
		For Class 54 Rating, Add	262.38	
		For Class 55 Rating, Add	393.77	
		For Class 56 Rating, Add	523.46	
40 05 19 00-2159	EA	8" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,470.86	400.43
		For Class 52 Rating, Deduct	-205.06	
		For Class 54 Rating, Add	286.90	
		For Class 55 Rating, Add	430.27	
		For Class 56 Rating, Add	571.77	
40 05 19 00-2160	EA	8" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,640.22	404.64
		For Class 52 Rating, Deduct	-222.98	
		For Class 54 Rating, Add	311.43	
		For Class 55 Rating, Add	466.76	
		For Class 56 Rating, Add	620.07	
40 05 19 00-2161	EA	8" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,809.58	408.86
		For Class 52 Rating, Deduct	-240.91	
		For Class 54 Rating, Add	335.95	
		For Class 55 Rating, Add	503.26	
		For Class 56 Rating, Add	668.38	
40 05 19 00-2162	EA	8" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,978.93	413.08
		For Class 52 Rating, Deduct	-258.84	
		For Class 54 Rating, Add	360.47	
		For Class 55 Rating, Add	539.75	
		For Class 56 Rating, Add	716.68	
40 05 19 00-2163	EA	8" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,148.29	417.29
		For Class 52 Rating, Deduct	-276.76	
		For Class 54 Rating, Add	384.99	
		For Class 55 Rating, Add	576.25	
		For Class 56 Rating, Add	764.99	
40 05 19 00-2164	EA	8" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,317.65	421.51
		For Class 52 Rating, Deduct	-294.69	
		For Class 54 Rating, Add	409.51	
		For Class 55 Rating, Add	612.74	
		For Class 56 Rating, Add	813.30	
40 05 19 00-2165	EA	8" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,487.00	425.72
		For Class 52 Rating, Deduct	-312.62	
		For Class 54 Rating, Add	434.04	
		For Class 55 Rating, Add	649.24	
		For Class 56 Rating, Add	861.60	
40 05 19 00-2166	EA	8" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,656.36	429.94
		For Class 52 Rating, Deduct	-330.54	
		For Class 54 Rating, Add	458.56	
		For Class 55 Rating, Add	685.74	
		For Class 56 Rating, Add	909.91	
40 05 19 00-2167	EA	8" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,825.71	434.15
		For Class 52 Rating, Deduct	-348.47	
		For Class 54 Rating, Add	483.08	
		For Class 55 Rating, Add	722.23	
		For Class 56 Rating, Add	958.21	
40 05 19 00-2168	EA	8" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,995.06	438.37
		For Class 52 Rating, Deduct	-366.40	
		For Class 54 Rating, Add	507.60	
		For Class 55 Rating, Add	758.72	
		For Class 56 Rating, Add	1,006.52	
40 05 19 00-2169	EA	8" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,164.42	442.58
		For Class 52 Rating, Deduct	-384.32	
		For Class 54 Rating, Add	532.12	
		For Class 55 Rating, Add	795.22	
		For Class 56 Rating, Add	1,054.82	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2170	EA	8"	Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add For Class 56 Rating, Add	4,333.78 -402.25 556.65 831.72 1,103.13	446.80
40 05 19 00-2171	EA	8"	Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add For Class 56 Rating, Add	4,503.13 -420.18 581.17 868.21 1,151.44	451.01
40 05 19 00-2172	EA	8"	Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add For Class 56 Rating, Add	4,672.49 -438.10 605.69 904.71 1,199.74	455.23
40 05 19 00-2173	EA	8"	Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add For Class 56 Rating, Add	4,841.85 -456.03 630.21 941.20 1,248.05	459.44
40 05 19 00-2174	EA	8"	Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add For Class 56 Rating, Add	5,011.20 -473.96 654.73 977.70 1,296.35	463.66
40 05 19 00-2175	EA	8"	Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add For Class 56 Rating, Add	5,180.56 -491.88 679.26 1,014.19 1,344.66	467.87
40 05 19 00-2176	EA	8"	Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add For Class 56 Rating, Add	5,349.91 -509.81 703.78 1,050.69 1,392.97	472.08
40 05 19 00-2177	EA	8"	Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add For Class 56 Rating, Add	5,519.26 -527.74 728.30 1,087.18 1,441.27	476.30
40 05 19 00-2178	EA	8"	Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add For Class 56 Rating, Add	5,688.62 -545.66 752.82 1,123.68 1,489.58	480.51
40 05 19 00-2179	EA	8"	Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add For Class 56 Rating, Add	5,857.98 -563.59 777.34 1,160.18 1,537.88	484.73
40 05 19 00-2180	EA	8"	Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add For Class 56 Rating, Add	6,027.33 -581.52 801.87 1,196.67 1,586.19	488.94
40 05 19 00-2181	EA	8"	Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add For Class 56 Rating, Add	6,196.69 -599.44 826.39 1,233.17 1,634.50	493.16
40 05 19 00-2182	EA	8"	Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add For Class 56 Rating, Add	6,366.05 -617.37 850.91 1,269.66 1,682.80	497.37
40 05 19 00-2183	EA	8"	Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add For Class 56 Rating, Add	6,535.40 -635.30 875.43 1,306.16 1,731.11	501.59
40 05 19 00-2184	EA	8"	Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add For Class 56 Rating, Add	6,704.76 -653.22 899.95 1,342.65 1,779.41	505.81

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-2185	EA	8" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,874.12	510.03
		For Class 52 Rating, Deduct	-671.15	
		For Class 54 Rating, Add	924.48	
		For Class 55 Rating, Add	1,379.15	
		For Class 56 Rating, Add	1,827.72	
40 05 19 00-2186	EA	8" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,043.47	514.24
		For Class 52 Rating, Deduct	-689.08	
		For Class 54 Rating, Add	949.00	
		For Class 55 Rating, Add	1,415.64	
		For Class 56 Rating, Add	1,876.03	
40 05 19 00-2187	EA	8" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,212.83	518.46
		For Class 52 Rating, Deduct	-707.00	
		For Class 54 Rating, Add	973.52	
		For Class 55 Rating, Add	1,452.14	
		For Class 56 Rating, Add	1,924.33	
40 05 19 00-2188	EA	8" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,382.19	522.67
		For Class 52 Rating, Deduct	-724.93	
		For Class 54 Rating, Add	998.04	
		For Class 55 Rating, Add	1,488.64	
		For Class 56 Rating, Add	1,972.64	
40 05 19 00-2189	EA	8" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,551.54	526.88
		For Class 52 Rating, Deduct	-742.86	
		For Class 54 Rating, Add	1,022.57	
		For Class 55 Rating, Add	1,525.13	
		For Class 56 Rating, Add	2,020.94	
40 05 19 00-2190	EA	8" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,720.90	531.10
		For Class 52 Rating, Deduct	-760.78	
		For Class 54 Rating, Add	1,047.09	
		For Class 55 Rating, Add	1,561.63	
		For Class 56 Rating, Add	2,069.25	
40 05 19 00-2191	EA	8" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,890.26	535.31
		For Class 52 Rating, Deduct	-778.71	
		For Class 54 Rating, Add	1,071.61	
		For Class 55 Rating, Add	1,598.12	
		For Class 56 Rating, Add	2,117.56	
40 05 19 00-2192	EA	8" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,059.61	539.53
		For Class 52 Rating, Deduct	-796.64	
		For Class 54 Rating, Add	1,096.13	
		For Class 55 Rating, Add	1,634.62	
		For Class 56 Rating, Add	2,165.86	
40 05 19 00-2193	EA	8" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,228.97	543.74
		For Class 52 Rating, Deduct	-814.56	
		For Class 54 Rating, Add	1,120.65	
		For Class 55 Rating, Add	1,671.11	
		For Class 56 Rating, Add	2,214.17	
40 05 19 00-2194	EA	8" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,398.33	547.96
		For Class 52 Rating, Deduct	-832.49	
		For Class 54 Rating, Add	1,145.18	
		For Class 55 Rating, Add	1,707.61	
		For Class 56 Rating, Add	2,262.48	

40 05 19 00-2195 10" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe

(40 05 19 00-2074)

40 05 19 00-2196	EA	10" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,476.50	472.08
		For Class 52 Rating, Deduct	-193.73	
		For Class 54 Rating, Add	272.77	
		For Class 55 Rating, Add	409.92	
		For Class 56 Rating, Add	545.31	
40 05 19 00-2197	EA	10" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,694.45	476.30
		For Class 52 Rating, Deduct	-217.01	
		For Class 54 Rating, Add	304.58	
		For Class 55 Rating, Add	457.25	
		For Class 56 Rating, Add	607.95	
40 05 19 00-2198	EA	10" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,912.42	480.51
		For Class 52 Rating, Deduct	-240.28	
		For Class 54 Rating, Add	336.39	
		For Class 55 Rating, Add	504.59	
		For Class 56 Rating, Add	670.60	
40 05 19 00-2199	EA	10" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,130.38	484.73
		For Class 52 Rating, Deduct	-263.55	
		For Class 54 Rating, Add	368.20	
		For Class 55 Rating, Add	551.92	
		For Class 56 Rating, Add	733.24	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2200	EA	10"	Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,348.34	488.94
			For Class 52 Rating, Deduct	-286.83	
			For Class 54 Rating, Add	400.02	
			For Class 55 Rating, Add	599.26	
			For Class 56 Rating, Add	795.89	
40 05 19 00-2201	EA	10"	Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,566.30	493.16
			For Class 52 Rating, Deduct	-310.10	
			For Class 54 Rating, Add	431.83	
			For Class 55 Rating, Add	646.59	
			For Class 56 Rating, Add	858.53	
40 05 19 00-2202	EA	10"	Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,784.27	497.37
			For Class 52 Rating, Deduct	-333.37	
			For Class 54 Rating, Add	463.64	
			For Class 55 Rating, Add	693.93	
			For Class 56 Rating, Add	921.18	
40 05 19 00-2203	EA	10"	Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,002.22	501.59
			For Class 52 Rating, Deduct	-356.65	
			For Class 54 Rating, Add	495.46	
			For Class 55 Rating, Add	741.26	
			For Class 56 Rating, Add	983.82	
40 05 19 00-2204	EA	10"	Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,220.19	505.81
			For Class 52 Rating, Deduct	-379.92	
			For Class 54 Rating, Add	527.27	
			For Class 55 Rating, Add	788.59	
			For Class 56 Rating, Add	1,046.47	
40 05 19 00-2205	EA	10"	Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,438.15	510.03
			For Class 52 Rating, Deduct	-403.19	
			For Class 54 Rating, Add	559.08	
			For Class 55 Rating, Add	835.93	
			For Class 56 Rating, Add	1,109.11	
40 05 19 00-2206	EA	10"	Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,656.11	514.24
			For Class 52 Rating, Deduct	-426.47	
			For Class 54 Rating, Add	590.90	
			For Class 55 Rating, Add	883.26	
			For Class 56 Rating, Add	1,171.76	
40 05 19 00-2207	EA	10"	Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,874.07	518.46
			For Class 52 Rating, Deduct	-449.74	
			For Class 54 Rating, Add	622.71	
			For Class 55 Rating, Add	930.60	
			For Class 56 Rating, Add	1,234.40	
40 05 19 00-2208	EA	10"	Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,092.04	522.67
			For Class 52 Rating, Deduct	-473.01	
			For Class 54 Rating, Add	654.52	
			For Class 55 Rating, Add	977.93	
			For Class 56 Rating, Add	1,297.04	
40 05 19 00-2209	EA	10"	Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,309.99	526.88
			For Class 52 Rating, Deduct	-496.29	
			For Class 54 Rating, Add	686.33	
			For Class 55 Rating, Add	1,025.27	
			For Class 56 Rating, Add	1,359.69	
40 05 19 00-2210	EA	10"	Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,527.96	531.10
			For Class 52 Rating, Deduct	-519.56	
			For Class 54 Rating, Add	718.15	
			For Class 55 Rating, Add	1,072.60	
			For Class 56 Rating, Add	1,422.33	
40 05 19 00-2211	EA	10"	Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,745.92	535.31
			For Class 52 Rating, Deduct	-542.83	
			For Class 54 Rating, Add	749.96	
			For Class 55 Rating, Add	1,119.94	
			For Class 56 Rating, Add	1,484.98	
40 05 19 00-2212	EA	10"	Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,963.88	539.53
			For Class 52 Rating, Deduct	-566.11	
			For Class 54 Rating, Add	781.77	
			For Class 55 Rating, Add	1,167.27	
			For Class 56 Rating, Add	1,547.62	
40 05 19 00-2213	EA	10"	Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,181.84	543.74
			For Class 52 Rating, Deduct	-589.38	
			For Class 54 Rating, Add	813.58	
			For Class 55 Rating, Add	1,214.60	
			For Class 56 Rating, Add	1,610.27	
40 05 19 00-2214	EA	10"	Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,399.81	547.96
			For Class 52 Rating, Deduct	-612.65	
			For Class 54 Rating, Add	845.40	
			For Class 55 Rating, Add	1,261.94	
			For Class 56 Rating, Add	1,672.91	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-2215	EA	10" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,617.77	552.17
		For Class 52 Rating, Deduct	-635.93	
		For Class 54 Rating, Add	877.21	
		For Class 55 Rating, Add	1,309.27	
		For Class 56 Rating, Add	1,735.55	
40 05 19 00-2216	EA	10" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,835.73	556.39
		For Class 52 Rating, Deduct	-659.20	
		For Class 54 Rating, Add	909.02	
		For Class 55 Rating, Add	1,356.61	
		For Class 56 Rating, Add	1,798.20	
40 05 19 00-2217	EA	10" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,053.69	560.60
		For Class 52 Rating, Deduct	-682.47	
		For Class 54 Rating, Add	940.84	
		For Class 55 Rating, Add	1,403.94	
		For Class 56 Rating, Add	1,860.84	
40 05 19 00-2218	EA	10" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,271.66	564.82
		For Class 52 Rating, Deduct	-705.75	
		For Class 54 Rating, Add	972.65	
		For Class 55 Rating, Add	1,451.28	
		For Class 56 Rating, Add	1,923.49	
40 05 19 00-2219	EA	10" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,489.61	569.03
		For Class 52 Rating, Deduct	-729.02	
		For Class 54 Rating, Add	1,004.46	
		For Class 55 Rating, Add	1,498.61	
		For Class 56 Rating, Add	1,986.13	
40 05 19 00-2220	EA	10" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,707.58	573.24
		For Class 52 Rating, Deduct	-752.29	
		For Class 54 Rating, Add	1,036.28	
		For Class 55 Rating, Add	1,545.95	
		For Class 56 Rating, Add	2,048.78	
40 05 19 00-2221	EA	10" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,925.54	577.46
		For Class 52 Rating, Deduct	-775.56	
		For Class 54 Rating, Add	1,068.09	
		For Class 55 Rating, Add	1,593.28	
		For Class 56 Rating, Add	2,111.42	
40 05 19 00-2222	EA	10" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,143.49	581.67
		For Class 52 Rating, Deduct	-798.84	
		For Class 54 Rating, Add	1,099.90	
		For Class 55 Rating, Add	1,640.61	
		For Class 56 Rating, Add	2,174.07	
40 05 19 00-2223	EA	10" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,361.46	585.89
		For Class 52 Rating, Deduct	-822.11	
		For Class 54 Rating, Add	1,131.71	
		For Class 55 Rating, Add	1,687.95	
		For Class 56 Rating, Add	2,236.71	
40 05 19 00-2224	EA	10" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,579.42	590.10
		For Class 52 Rating, Deduct	-845.38	
		For Class 54 Rating, Add	1,163.53	
		For Class 55 Rating, Add	1,735.28	
		For Class 56 Rating, Add	2,299.35	
40 05 19 00-2225	EA	10" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,797.38	594.32
		For Class 52 Rating, Deduct	-868.66	
		For Class 54 Rating, Add	1,195.34	
		For Class 55 Rating, Add	1,762.62	
		For Class 56 Rating, Add	2,362.00	
40 05 19 00-2226	EA	10" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,015.34	598.54
		For Class 52 Rating, Deduct	-891.93	
		For Class 54 Rating, Add	1,227.15	
		For Class 55 Rating, Add	1,829.95	
		For Class 56 Rating, Add	2,424.64	
40 05 19 00-2227	EA	10" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,233.31	602.76
		For Class 52 Rating, Deduct	-915.20	
		For Class 54 Rating, Add	1,258.97	
		For Class 55 Rating, Add	1,877.29	
		For Class 56 Rating, Add	2,487.29	
40 05 19 00-2228	EA	10" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,451.26	606.97
		For Class 52 Rating, Deduct	-938.48	
		For Class 54 Rating, Add	1,290.78	
		For Class 55 Rating, Add	1,924.62	
		For Class 56 Rating, Add	2,549.93	
40 05 19 00-2229	EA	10" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,669.22	611.19
		For Class 52 Rating, Deduct	-961.75	
		For Class 54 Rating, Add	1,322.59	
		For Class 55 Rating, Add	1,971.96	
		For Class 56 Rating, Add	2,612.58	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2230	EA	10" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,887.18	615.40
		For Class 52 Rating, Deduct	-985.02	
		For Class 54 Rating, Add	1,354.40	
		For Class 55 Rating, Add	2,019.29	
		For Class 56 Rating, Add	2,675.22	
40 05 19 00-2231	EA	10" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,105.14	619.62
		For Class 52 Rating, Deduct	-1,008.30	
		For Class 54 Rating, Add	1,386.22	
		For Class 55 Rating, Add	2,066.63	
		For Class 56 Rating, Add	2,737.87	
40 05 19 00-2232	EA	10" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,323.10	623.83
		For Class 52 Rating, Deduct	-1,031.57	
		For Class 54 Rating, Add	1,418.03	
		For Class 55 Rating, Add	2,113.96	
		For Class 56 Rating, Add	2,800.51	
40 05 19 00-2233	EA	10" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,541.07	628.04
		For Class 52 Rating, Deduct	-1,054.84	
		For Class 54 Rating, Add	1,449.84	
		For Class 55 Rating, Add	2,161.29	
		For Class 56 Rating, Add	2,863.16	
40 05 19 00-2234	EA	10" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,759.02	632.26
		For Class 52 Rating, Deduct	-1,078.12	
		For Class 54 Rating, Add	1,481.65	
		For Class 55 Rating, Add	2,208.63	
		For Class 56 Rating, Add	2,925.80	
40 05 19 00-2235		12" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-2074)		
40 05 19 00-2236	EA	12" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,238.59	590.10
		For Class 52 Rating, Deduct	-257.89	
		For Class 54 Rating, Add	362.40	
		For Class 55 Rating, Add	544.28	
		For Class 56 Rating, Add	723.81	
40 05 19 00-2237	EA	12" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,508.01	594.32
		For Class 52 Rating, Deduct	-286.83	
		For Class 54 Rating, Add	401.93	
		For Class 55 Rating, Add	603.09	
		For Class 56 Rating, Add	801.64	
40 05 19 00-2238	EA	12" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,777.44	598.54
		For Class 52 Rating, Deduct	-315.76	
		For Class 54 Rating, Add	441.47	
		For Class 55 Rating, Add	661.90	
		For Class 56 Rating, Add	879.46	
40 05 19 00-2239	EA	12" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,046.87	602.76
		For Class 52 Rating, Deduct	-344.70	
		For Class 54 Rating, Add	481.00	
		For Class 55 Rating, Add	720.71	
		For Class 56 Rating, Add	957.29	
40 05 19 00-2240	EA	12" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,316.28	606.97
		For Class 52 Rating, Deduct	-373.63	
		For Class 54 Rating, Add	520.53	
		For Class 55 Rating, Add	779.52	
		For Class 56 Rating, Add	1,035.11	
40 05 19 00-2241	EA	12" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,585.70	611.19
		For Class 52 Rating, Deduct	-402.56	
		For Class 54 Rating, Add	560.06	
		For Class 55 Rating, Add	838.33	
		For Class 56 Rating, Add	1,112.94	
40 05 19 00-2242	EA	12" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,855.13	615.40
		For Class 52 Rating, Deduct	-431.50	
		For Class 54 Rating, Add	599.60	
		For Class 55 Rating, Add	897.14	
		For Class 56 Rating, Add	1,190.77	
40 05 19 00-2243	EA	12" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,124.55	619.62
		For Class 52 Rating, Deduct	-460.43	
		For Class 54 Rating, Add	639.13	
		For Class 55 Rating, Add	955.95	
		For Class 56 Rating, Add	1,268.59	
40 05 19 00-2244	EA	12" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,393.98	623.83
		For Class 52 Rating, Deduct	-489.37	
		For Class 54 Rating, Add	678.66	
		For Class 55 Rating, Add	1,014.76	
		For Class 56 Rating, Add	1,346.42	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-2245	EA	12" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,663.41	628.04
		For Class 52 Rating, Deduct	-518.30	
		For Class 54 Rating, Add	718.19	
		For Class 55 Rating, Add	1,073.58	
		For Class 56 Rating, Add	1,424.25	
40 05 19 00-2246	EA	12" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,932.83	632.26
		For Class 52 Rating, Deduct	-547.24	
		For Class 54 Rating, Add	757.73	
		For Class 55 Rating, Add	1,132.39	
		For Class 56 Rating, Add	1,502.07	
40 05 19 00-2247	EA	12" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,202.26	636.47
		For Class 52 Rating, Deduct	-576.17	
		For Class 54 Rating, Add	797.26	
		For Class 55 Rating, Add	1,191.20	
		For Class 56 Rating, Add	1,579.90	
40 05 19 00-2248	EA	12" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,471.69	640.69
		For Class 52 Rating, Deduct	-605.10	
		For Class 54 Rating, Add	836.79	
		For Class 55 Rating, Add	1,250.01	
		For Class 56 Rating, Add	1,657.73	
40 05 19 00-2249	EA	12" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,741.11	644.90
		For Class 52 Rating, Deduct	-634.04	
		For Class 54 Rating, Add	876.32	
		For Class 55 Rating, Add	1,308.82	
		For Class 56 Rating, Add	1,735.55	
40 05 19 00-2250	EA	12" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,010.53	649.12
		For Class 52 Rating, Deduct	-662.97	
		For Class 54 Rating, Add	915.86	
		For Class 55 Rating, Add	1,367.63	
		For Class 56 Rating, Add	1,813.38	
40 05 19 00-2251	EA	12" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,279.96	653.33
		For Class 52 Rating, Deduct	-691.91	
		For Class 54 Rating, Add	955.39	
		For Class 55 Rating, Add	1,426.44	
		For Class 56 Rating, Add	1,891.20	
40 05 19 00-2252	EA	12" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,549.38	657.55
		For Class 52 Rating, Deduct	-720.84	
		For Class 54 Rating, Add	994.92	
		For Class 55 Rating, Add	1,485.25	
		For Class 56 Rating, Add	1,969.03	
40 05 19 00-2253	EA	12" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,818.81	661.76
		For Class 52 Rating, Deduct	-749.78	
		For Class 54 Rating, Add	1,034.45	
		For Class 55 Rating, Add	1,544.06	
		For Class 56 Rating, Add	2,046.86	
40 05 19 00-2254	EA	12" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,088.24	665.98
		For Class 52 Rating, Deduct	-778.71	
		For Class 54 Rating, Add	1,073.99	
		For Class 55 Rating, Add	1,602.87	
		For Class 56 Rating, Add	2,124.68	
40 05 19 00-2255	EA	12" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,357.66	670.19
		For Class 52 Rating, Deduct	-807.64	
		For Class 54 Rating, Add	1,113.52	
		For Class 55 Rating, Add	1,661.69	
		For Class 56 Rating, Add	2,202.51	
40 05 19 00-2256	EA	12" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,627.09	674.41
		For Class 52 Rating, Deduct	-836.58	
		For Class 54 Rating, Add	1,153.05	
		For Class 55 Rating, Add	1,720.50	
		For Class 56 Rating, Add	2,280.34	
40 05 19 00-2257	EA	12" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,896.52	678.62
		For Class 52 Rating, Deduct	-865.51	
		For Class 54 Rating, Add	1,192.58	
		For Class 55 Rating, Add	1,779.31	
		For Class 56 Rating, Add	2,358.16	
40 05 19 00-2258	EA	12" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,165.94	682.83
		For Class 52 Rating, Deduct	-894.45	
		For Class 54 Rating, Add	1,232.12	
		For Class 55 Rating, Add	1,838.12	
		For Class 56 Rating, Add	2,435.99	
40 05 19 00-2259	EA	12" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,435.37	687.05
		For Class 52 Rating, Deduct	-923.38	
		For Class 54 Rating, Add	1,271.65	
		For Class 55 Rating, Add	1,896.93	
		For Class 56 Rating, Add	2,513.82	

MINOR		DESCRIPTION	TOTAL DIRECT		DEMOLITION
CSI	UOM		UNIT	COST	
40 05 19 00-2260	EA	12" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		9,701.94	691.27
		For Class 52 Rating, Deduct		-952.00	
		For Class 54 Rating, Add		1,310.75	
		For Class 55 Rating, Add		1,955.10	
		For Class 56 Rating, Add		2,590.80	
40 05 19 00-2261	EA	12" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		9,974.21	695.49
		For Class 52 Rating, Deduct		-981.25	
		For Class 54 Rating, Add		1,350.71	
		For Class 55 Rating, Add		2,014.55	
		For Class 56 Rating, Add		2,669.47	
40 05 19 00-2262	EA	12" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		10,243.64	699.70
		For Class 52 Rating, Deduct		-1,010.18	
		For Class 54 Rating, Add		1,390.25	
		For Class 55 Rating, Add		2,073.36	
		For Class 56 Rating, Add		2,747.29	
40 05 19 00-2263	EA	12" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		10,513.07	703.92
		For Class 52 Rating, Deduct		-1,039.12	
		For Class 54 Rating, Add		1,429.78	
		For Class 55 Rating, Add		2,132.17	
		For Class 56 Rating, Add		2,825.12	
40 05 19 00-2264	EA	12" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		10,782.50	708.13
		For Class 52 Rating, Deduct		-1,068.05	
		For Class 54 Rating, Add		1,469.31	
		For Class 55 Rating, Add		2,190.98	
		For Class 56 Rating, Add		2,902.95	
40 05 19 00-2265	EA	12" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		11,051.92	712.35
		For Class 52 Rating, Deduct		-1,096.99	
		For Class 54 Rating, Add		1,508.84	
		For Class 55 Rating, Add		2,249.80	
		For Class 56 Rating, Add		2,980.78	
40 05 19 00-2266	EA	12" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		11,321.35	716.56
		For Class 52 Rating, Deduct		-1,125.92	
		For Class 54 Rating, Add		1,548.38	
		For Class 55 Rating, Add		2,308.61	
		For Class 56 Rating, Add		3,058.60	
40 05 19 00-2267	EA	12" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		11,590.78	720.78
		For Class 52 Rating, Deduct		-1,154.86	
		For Class 54 Rating, Add		1,587.91	
		For Class 55 Rating, Add		2,367.42	
		For Class 56 Rating, Add		3,136.43	
40 05 19 00-2268	EA	12" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		11,860.20	724.99
		For Class 52 Rating, Deduct		-1,183.79	
		For Class 54 Rating, Add		1,627.44	
		For Class 55 Rating, Add		2,426.23	
		For Class 56 Rating, Add		3,214.26	
40 05 19 00-2269	EA	12" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		12,129.63	729.20
		For Class 52 Rating, Deduct		-1,212.72	
		For Class 54 Rating, Add		1,666.97	
		For Class 55 Rating, Add		2,485.04	
		For Class 56 Rating, Add		3,292.08	
40 05 19 00-2270	EA	12" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		12,399.06	733.42
		For Class 52 Rating, Deduct		-1,241.66	
		For Class 54 Rating, Add		1,706.51	
		For Class 55 Rating, Add		2,543.85	
		For Class 56 Rating, Add		3,369.91	
40 05 19 00-2271	EA	12" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		12,668.47	737.63
		For Class 52 Rating, Deduct		-1,270.59	
		For Class 54 Rating, Add		1,746.04	
		For Class 55 Rating, Add		2,602.66	
		For Class 56 Rating, Add		3,447.73	
40 05 19 00-2272	EA	12" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		12,937.89	741.85
		For Class 52 Rating, Deduct		-1,299.53	
		For Class 54 Rating, Add		1,785.57	
		For Class 55 Rating, Add		2,661.47	
		For Class 56 Rating, Add		3,525.56	
40 05 19 00-2273	EA	12" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		13,207.32	746.06
		For Class 52 Rating, Deduct		-1,328.46	
		For Class 54 Rating, Add		1,825.10	
		For Class 55 Rating, Add		2,720.28	
		For Class 56 Rating, Add		3,603.39	
40 05 19 00-2274	EA	12" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		13,476.74	750.28
		For Class 52 Rating, Deduct		-1,357.40	
		For Class 54 Rating, Add		1,864.64	
		For Class 55 Rating, Add		2,779.09	
		For Class 56 Rating, Add		3,681.21	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-2275	14" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-2074)		
40 05 19 00-2276	EA 14" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,335.19	708.13
	For Class 52 Rating, Deduct	-358.85	
	For Class 54 Rating, Add	502.21	
	For Class 55 Rating, Add	753.23	
	For Class 56 Rating, Add	1,000.99	
40 05 19 00-2277	EA 14" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,661.79	712.35
	For Class 52 Rating, Deduct	-394.07	
	For Class 54 Rating, Add	550.32	
	For Class 55 Rating, Add	824.80	
	For Class 56 Rating, Add	1,095.69	
40 05 19 00-2278	EA 14" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,988.40	716.56
	For Class 52 Rating, Deduct	-429.30	
	For Class 54 Rating, Add	598.43	
	For Class 55 Rating, Add	896.36	
	For Class 56 Rating, Add	1,190.38	
40 05 19 00-2279	EA 14" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,315.01	720.78
	For Class 52 Rating, Deduct	-464.52	
	For Class 54 Rating, Add	646.54	
	For Class 55 Rating, Add	967.92	
	For Class 56 Rating, Add	1,285.08	
40 05 19 00-2280	EA 14" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,641.61	724.99
	For Class 52 Rating, Deduct	-499.75	
	For Class 54 Rating, Add	694.65	
	For Class 55 Rating, Add	1,039.48	
	For Class 56 Rating, Add	1,379.77	
40 05 19 00-2281	EA 14" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,968.22	729.20
	For Class 52 Rating, Deduct	-534.97	
	For Class 54 Rating, Add	742.76	
	For Class 55 Rating, Add	1,111.05	
	For Class 56 Rating, Add	1,474.47	
40 05 19 00-2282	EA 14" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,294.83	733.42
	For Class 52 Rating, Deduct	-570.19	
	For Class 54 Rating, Add	790.87	
	For Class 55 Rating, Add	1,182.61	
	For Class 56 Rating, Add	1,569.16	
40 05 19 00-2283	EA 14" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,621.44	737.63
	For Class 52 Rating, Deduct	-605.42	
	For Class 54 Rating, Add	838.98	
	For Class 55 Rating, Add	1,254.17	
	For Class 56 Rating, Add	1,663.86	
40 05 19 00-2284	EA 14" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,948.04	741.85
	For Class 52 Rating, Deduct	-640.64	
	For Class 54 Rating, Add	887.09	
	For Class 55 Rating, Add	1,325.73	
	For Class 56 Rating, Add	1,758.55	
40 05 19 00-2285	EA 14" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,274.65	746.06
	For Class 52 Rating, Deduct	-675.87	
	For Class 54 Rating, Add	935.20	
	For Class 55 Rating, Add	1,397.30	
	For Class 56 Rating, Add	1,853.25	
40 05 19 00-2286	EA 14" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,601.25	750.28
	For Class 52 Rating, Deduct	-711.09	
	For Class 54 Rating, Add	983.31	
	For Class 55 Rating, Add	1,468.86	
	For Class 56 Rating, Add	1,947.94	
40 05 19 00-2287	EA 14" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,927.86	754.49
	For Class 52 Rating, Deduct	-746.32	
	For Class 54 Rating, Add	1,031.42	
	For Class 55 Rating, Add	1,540.42	
	For Class 56 Rating, Add	2,042.64	
40 05 19 00-2288	EA 14" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,254.47	758.71
	For Class 52 Rating, Deduct	-781.54	
	For Class 54 Rating, Add	1,079.53	
	For Class 55 Rating, Add	1,611.98	
	For Class 56 Rating, Add	2,137.33	
40 05 19 00-2289	EA 14" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,581.07	762.92
	For Class 52 Rating, Deduct	-816.76	
	For Class 54 Rating, Add	1,127.64	
	For Class 55 Rating, Add	1,683.55	
	For Class 56 Rating, Add	2,232.03	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2290	EA	14"	Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,907.69	767.14
			For Class 52 Rating, Deduct	-851.99	
			For Class 54 Rating, Add	1,175.75	
			For Class 55 Rating, Add	1,755.11	
			For Class 56 Rating, Add	2,326.73	
40 05 19 00-2291	EA	14"	Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,234.30	771.35
			For Class 52 Rating, Deduct	-887.21	
			For Class 54 Rating, Add	1,223.86	
			For Class 55 Rating, Add	1,826.67	
			For Class 56 Rating, Add	2,421.42	
40 05 19 00-2292	EA	14"	Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,560.90	775.57
			For Class 52 Rating, Deduct	-922.44	
			For Class 54 Rating, Add	1,271.97	
			For Class 55 Rating, Add	1,898.24	
			For Class 56 Rating, Add	2,516.11	
40 05 19 00-2293	EA	14"	Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,887.51	779.78
			For Class 52 Rating, Deduct	-957.66	
			For Class 54 Rating, Add	1,320.08	
			For Class 55 Rating, Add	1,969.80	
			For Class 56 Rating, Add	2,610.81	
40 05 19 00-2294	EA	14"	Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,214.12	784.00
			For Class 52 Rating, Deduct	-992.89	
			For Class 54 Rating, Add	1,368.19	
			For Class 55 Rating, Add	2,041.36	
			For Class 56 Rating, Add	2,705.50	
40 05 19 00-2295	EA	14"	Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,540.72	788.22
			For Class 52 Rating, Deduct	-1,028.11	
			For Class 54 Rating, Add	1,416.30	
			For Class 55 Rating, Add	2,112.92	
			For Class 56 Rating, Add	2,800.20	
40 05 19 00-2296	EA	14"	Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,867.33	792.43
			For Class 52 Rating, Deduct	-1,063.33	
			For Class 54 Rating, Add	1,464.41	
			For Class 55 Rating, Add	2,184.49	
			For Class 56 Rating, Add	2,894.89	
40 05 19 00-2297	EA	14"	Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,193.95	796.65
			For Class 52 Rating, Deduct	-1,098.56	
			For Class 54 Rating, Add	1,512.52	
			For Class 55 Rating, Add	2,256.05	
			For Class 56 Rating, Add	2,989.59	
40 05 19 00-2298	EA	14"	Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,520.55	800.86
			For Class 52 Rating, Deduct	-1,133.78	
			For Class 54 Rating, Add	1,560.63	
			For Class 55 Rating, Add	2,327.61	
			For Class 56 Rating, Add	3,084.29	
40 05 19 00-2299	EA	14"	Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,847.16	805.08
			For Class 52 Rating, Deduct	-1,169.01	
			For Class 54 Rating, Add	1,608.74	
			For Class 55 Rating, Add	2,399.17	
			For Class 56 Rating, Add	3,178.98	
40 05 19 00-2300	EA	14"	Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,173.77	809.29
			For Class 52 Rating, Deduct	-1,204.23	
			For Class 54 Rating, Add	1,656.85	
			For Class 55 Rating, Add	2,470.74	
			For Class 56 Rating, Add	3,273.68	
40 05 19 00-2301	EA	14"	Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,500.37	813.51
			For Class 52 Rating, Deduct	-1,239.46	
			For Class 54 Rating, Add	1,704.96	
			For Class 55 Rating, Add	2,542.30	
			For Class 56 Rating, Add	3,368.37	
40 05 19 00-2302	EA	14"	Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,826.98	817.72
			For Class 52 Rating, Deduct	-1,274.68	
			For Class 54 Rating, Add	1,753.07	
			For Class 55 Rating, Add	2,613.86	
			For Class 56 Rating, Add	3,463.07	
40 05 19 00-2303	EA	14"	Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,153.59	821.94
			For Class 52 Rating, Deduct	-1,309.91	
			For Class 54 Rating, Add	1,801.18	
			For Class 55 Rating, Add	2,685.42	
			For Class 56 Rating, Add	3,557.76	
40 05 19 00-2304	EA	14"	Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,480.20	826.15
			For Class 52 Rating, Deduct	-1,345.13	
			For Class 54 Rating, Add	1,849.29	
			For Class 55 Rating, Add	2,756.99	
			For Class 56 Rating, Add	3,652.46	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-2305	EA	14" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,806.81	830.37
		<i>For Class 52 Rating, Deduct</i>	-1,380.35	
		<i>For Class 54 Rating, Add</i>	1,897.40	
		<i>For Class 55 Rating, Add</i>	2,828.55	
		<i>For Class 56 Rating, Add</i>	3,747.15	
40 05 19 00-2306	EA	14" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,133.42	834.58
		<i>For Class 52 Rating, Deduct</i>	-1,415.58	
		<i>For Class 54 Rating, Add</i>	1,945.51	
		<i>For Class 55 Rating, Add</i>	2,900.11	
		<i>For Class 56 Rating, Add</i>	3,841.85	
40 05 19 00-2307	EA	14" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,460.02	838.79
		<i>For Class 52 Rating, Deduct</i>	-1,450.80	
		<i>For Class 54 Rating, Add</i>	1,993.62	
		<i>For Class 55 Rating, Add</i>	2,971.68	
		<i>For Class 56 Rating, Add</i>	3,936.54	
40 05 19 00-2308	EA	14" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,786.63	843.01
		<i>For Class 52 Rating, Deduct</i>	-1,486.03	
		<i>For Class 54 Rating, Add</i>	2,041.73	
		<i>For Class 55 Rating, Add</i>	3,043.24	
		<i>For Class 56 Rating, Add</i>	4,031.24	
40 05 19 00-2309	EA	14" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,113.24	847.22
		<i>For Class 52 Rating, Deduct</i>	-1,521.25	
		<i>For Class 54 Rating, Add</i>	2,089.84	
		<i>For Class 55 Rating, Add</i>	3,114.80	
		<i>For Class 56 Rating, Add</i>	4,125.93	
40 05 19 00-2310	EA	14" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,439.84	851.44
		<i>For Class 52 Rating, Deduct</i>	-1,556.48	
		<i>For Class 54 Rating, Add</i>	2,137.95	
		<i>For Class 55 Rating, Add</i>	3,186.36	
		<i>For Class 56 Rating, Add</i>	4,220.63	
40 05 19 00-2311	EA	14" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,766.46	855.65
		<i>For Class 52 Rating, Deduct</i>	-1,591.70	
		<i>For Class 54 Rating, Add</i>	2,186.06	
		<i>For Class 55 Rating, Add</i>	3,257.93	
		<i>For Class 56 Rating, Add</i>	4,315.33	
40 05 19 00-2312	EA	14" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,093.07	859.87
		<i>For Class 52 Rating, Deduct</i>	-1,626.93	
		<i>For Class 54 Rating, Add</i>	2,234.17	
		<i>For Class 55 Rating, Add</i>	3,329.49	
		<i>For Class 56 Rating, Add</i>	4,410.02	
40 05 19 00-2313	EA	14" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,419.68	864.08
		<i>For Class 52 Rating, Deduct</i>	-1,662.15	
		<i>For Class 54 Rating, Add</i>	2,282.28	
		<i>For Class 55 Rating, Add</i>	3,401.05	
		<i>For Class 56 Rating, Add</i>	4,504.72	

40 05 19 00-2314 16" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe

(40 05 19 00-2074)

40 05 19 00-2315	EA	16" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,086.01	809.29
		<i>For Class 52 Rating, Deduct</i>	-424.58	
		<i>For Class 54 Rating, Add</i>	593.69	
		<i>For Class 55 Rating, Add</i>	890.17	
		<i>For Class 56 Rating, Add</i>	1,182.79	
40 05 19 00-2316	EA	16" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,464.08	813.51
		<i>For Class 52 Rating, Deduct</i>	-465.47	
		<i>For Class 54 Rating, Add</i>	649.52	
		<i>For Class 55 Rating, Add</i>	973.21	
		<i>For Class 56 Rating, Add</i>	1,292.67	
40 05 19 00-2317	EA	16" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,842.15	817.72
		<i>For Class 52 Rating, Deduct</i>	-506.35	
		<i>For Class 54 Rating, Add</i>	705.34	
		<i>For Class 55 Rating, Add</i>	1,056.24	
		<i>For Class 56 Rating, Add</i>	1,402.54	
40 05 19 00-2318	EA	16" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,220.23	821.94
		<i>For Class 52 Rating, Deduct</i>	-547.24	
		<i>For Class 54 Rating, Add</i>	761.17	
		<i>For Class 55 Rating, Add</i>	1,139.28	
		<i>For Class 56 Rating, Add</i>	1,512.42	
40 05 19 00-2319	EA	16" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,598.29	826.15
		<i>For Class 52 Rating, Deduct</i>	-588.12	
		<i>For Class 54 Rating, Add</i>	817.00	
		<i>For Class 55 Rating, Add</i>	1,222.32	
		<i>For Class 56 Rating, Add</i>	1,622.29	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2320	EA	16" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron	Pipe	6,976.37	830.37
		For Class 52 Rating, Deduct		-629.01	
		For Class 54 Rating, Add		872.83	
		For Class 55 Rating, Add		1,305.36	
		For Class 56 Rating, Add		1,732.17	
40 05 19 00-2321	EA	16" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron	Pipe	7,354.45	834.58
		For Class 52 Rating, Deduct		-669.89	
		For Class 54 Rating, Add		928.66	
		For Class 55 Rating, Add		1,388.40	
		For Class 56 Rating, Add		1,842.05	
40 05 19 00-2322	EA	16" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron	Pipe	7,732.51	838.79
		For Class 52 Rating, Deduct		-710.78	
		For Class 54 Rating, Add		984.49	
		For Class 55 Rating, Add		1,471.44	
		For Class 56 Rating, Add		1,951.93	
40 05 19 00-2323	EA	16" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron	Pipe	8,110.59	843.01
		For Class 52 Rating, Deduct		-751.66	
		For Class 54 Rating, Add		1,040.32	
		For Class 55 Rating, Add		1,554.48	
		For Class 56 Rating, Add		2,061.81	
40 05 19 00-2324	EA	16" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron	Pipe	8,488.66	847.22
		For Class 52 Rating, Deduct		-792.55	
		For Class 54 Rating, Add		1,096.15	
		For Class 55 Rating, Add		1,637.52	
		For Class 56 Rating, Add		2,171.68	
40 05 19 00-2325	EA	16" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron	Pipe	8,866.73	851.44
		For Class 52 Rating, Deduct		-833.43	
		For Class 54 Rating, Add		1,151.98	
		For Class 55 Rating, Add		1,720.56	
		For Class 56 Rating, Add		2,281.56	
40 05 19 00-2326	EA	16" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron	Pipe	9,244.80	855.65
		For Class 52 Rating, Deduct		-874.32	
		For Class 54 Rating, Add		1,207.81	
		For Class 55 Rating, Add		1,803.60	
		For Class 56 Rating, Add		2,391.44	
40 05 19 00-2327	EA	16" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron	Pipe	9,622.88	859.87
		For Class 52 Rating, Deduct		-915.20	
		For Class 54 Rating, Add		1,263.64	
		For Class 55 Rating, Add		1,886.64	
		For Class 56 Rating, Add		2,501.31	
40 05 19 00-2328	EA	16" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron	Pipe	10,000.95	864.08
		For Class 52 Rating, Deduct		-956.09	
		For Class 54 Rating, Add		1,319.47	
		For Class 55 Rating, Add		1,969.68	
		For Class 56 Rating, Add		2,611.19	
40 05 19 00-2329	EA	16" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron	Pipe	10,379.02	868.30
		For Class 52 Rating, Deduct		-996.98	
		For Class 54 Rating, Add		1,375.30	
		For Class 55 Rating, Add		2,052.72	
		For Class 56 Rating, Add		2,721.07	
40 05 19 00-2330	EA	16" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron	Pipe	10,757.10	872.52
		For Class 52 Rating, Deduct		-1,037.86	
		For Class 54 Rating, Add		1,431.13	
		For Class 55 Rating, Add		2,135.76	
		For Class 56 Rating, Add		2,830.95	
40 05 19 00-2331	EA	16" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron	Pipe	11,135.17	876.74
		For Class 52 Rating, Deduct		-1,078.75	
		For Class 54 Rating, Add		1,486.96	
		For Class 55 Rating, Add		2,218.79	
		For Class 56 Rating, Add		2,940.82	
40 05 19 00-2332	EA	16" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron	Pipe	11,513.23	880.95
		For Class 52 Rating, Deduct		-1,119.63	
		For Class 54 Rating, Add		1,542.79	
		For Class 55 Rating, Add		2,301.83	
		For Class 56 Rating, Add		3,050.70	
40 05 19 00-2333	EA	16" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron	Pipe	11,891.30	885.16
		For Class 52 Rating, Deduct		-1,160.52	
		For Class 54 Rating, Add		1,598.62	
		For Class 55 Rating, Add		2,384.87	
		For Class 56 Rating, Add		3,160.58	
40 05 19 00-2334	EA	16" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron	Pipe	12,269.38	889.38
		For Class 52 Rating, Deduct		-1,201.40	
		For Class 54 Rating, Add		1,654.45	
		For Class 55 Rating, Add		2,467.91	
		For Class 56 Rating, Add		3,270.45	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-2335	EA	16" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,647.44	893.59
		For Class 52 Rating, Deduct	-1,242.29	
		For Class 54 Rating, Add	1,710.28	
		For Class 55 Rating, Add	2,550.95	
		For Class 56 Rating, Add	3,380.33	
40 05 19 00-2336	EA	16" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,025.52	897.81
		For Class 52 Rating, Deduct	-1,283.17	
		For Class 54 Rating, Add	1,766.11	
		For Class 55 Rating, Add	2,633.99	
		For Class 56 Rating, Add	3,490.21	
40 05 19 00-2337	EA	16" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,403.60	902.02
		For Class 52 Rating, Deduct	-1,324.06	
		For Class 54 Rating, Add	1,821.94	
		For Class 55 Rating, Add	2,717.03	
		For Class 56 Rating, Add	3,600.09	
40 05 19 00-2338	EA	16" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,781.66	906.24
		For Class 52 Rating, Deduct	-1,364.94	
		For Class 54 Rating, Add	1,877.76	
		For Class 55 Rating, Add	2,800.07	
		For Class 56 Rating, Add	3,709.96	
40 05 19 00-2339	EA	16" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,159.74	910.45
		For Class 52 Rating, Deduct	-1,405.83	
		For Class 54 Rating, Add	1,933.59	
		For Class 55 Rating, Add	2,883.11	
		For Class 56 Rating, Add	3,819.84	
40 05 19 00-2340	EA	16" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,537.81	914.67
		For Class 52 Rating, Deduct	-1,446.71	
		For Class 54 Rating, Add	1,989.42	
		For Class 55 Rating, Add	2,966.15	
		For Class 56 Rating, Add	3,929.72	
40 05 19 00-2341	EA	16" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,915.88	918.88
		For Class 52 Rating, Deduct	-1,487.60	
		For Class 54 Rating, Add	2,045.25	
		For Class 55 Rating, Add	3,049.19	
		For Class 56 Rating, Add	4,039.59	
40 05 19 00-2342	EA	16" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,293.95	923.10
		For Class 52 Rating, Deduct	-1,528.49	
		For Class 54 Rating, Add	2,101.08	
		For Class 55 Rating, Add	3,132.22	
		For Class 56 Rating, Add	4,149.47	
40 05 19 00-2343	EA	16" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,672.03	927.31
		For Class 52 Rating, Deduct	-1,569.37	
		For Class 54 Rating, Add	2,156.91	
		For Class 55 Rating, Add	3,215.26	
		For Class 56 Rating, Add	4,259.35	
40 05 19 00-2344	EA	16" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,050.09	931.53
		For Class 52 Rating, Deduct	-1,610.26	
		For Class 54 Rating, Add	2,212.74	
		For Class 55 Rating, Add	3,298.30	
		For Class 56 Rating, Add	4,369.22	
40 05 19 00-2345	EA	16" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,428.17	935.74
		For Class 52 Rating, Deduct	-1,651.14	
		For Class 54 Rating, Add	2,268.57	
		For Class 55 Rating, Add	3,381.34	
		For Class 56 Rating, Add	4,479.10	
40 05 19 00-2346	EA	16" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,806.25	939.95
		For Class 52 Rating, Deduct	-1,692.03	
		For Class 54 Rating, Add	2,324.40	
		For Class 55 Rating, Add	3,464.38	
		For Class 56 Rating, Add	4,588.98	
40 05 19 00-2347	EA	16" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,184.31	944.17
		For Class 52 Rating, Deduct	-1,732.91	
		For Class 54 Rating, Add	2,380.23	
		For Class 55 Rating, Add	3,547.42	
		For Class 56 Rating, Add	4,698.86	
40 05 19 00-2348	EA	16" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,562.39	948.38
		For Class 52 Rating, Deduct	-1,773.80	
		For Class 54 Rating, Add	2,436.06	
		For Class 55 Rating, Add	3,630.46	
		For Class 56 Rating, Add	4,808.74	
40 05 19 00-2349	EA	16" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,940.46	952.60
		For Class 52 Rating, Deduct	-1,814.68	
		For Class 54 Rating, Add	2,491.89	
		For Class 55 Rating, Add	3,713.50	
		For Class 56 Rating, Add	4,918.61	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2350	EA	16" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,318.53	956.81
		For Class 52 Rating, Deduct	-1,855.57	
		For Class 54 Rating, Add	2,547.72	
		For Class 55 Rating, Add	3,796.54	
		For Class 56 Rating, Add	5,028.49	
40 05 19 00-2351	EA	16" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,696.60	961.03
		For Class 52 Rating, Deduct	-1,896.45	
		For Class 54 Rating, Add	2,603.55	
		For Class 55 Rating, Add	3,879.58	
		For Class 56 Rating, Add	5,138.36	
40 05 19 00-2352	EA	16" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,074.68	965.25
		For Class 52 Rating, Deduct	-1,937.34	
		For Class 54 Rating, Add	2,659.38	
		For Class 55 Rating, Add	3,962.62	
		For Class 56 Rating, Add	5,248.24	
40 05 19 00-2353 18" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe				
40 05 19 00-2354	EA	18" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,928.02	912.14
		For Class 52 Rating, Deduct	-500.06	
		For Class 54 Rating, Add	698.48	
		For Class 55 Rating, Add	1,046.93	
		For Class 56 Rating, Add	1,390.82	
40 05 19 00-2355	EA	18" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,363.28	916.35
		For Class 52 Rating, Deduct	-547.24	
		For Class 54 Rating, Add	762.89	
		For Class 55 Rating, Add	1,142.72	
		For Class 56 Rating, Add	1,517.57	
40 05 19 00-2356	EA	18" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,798.54	920.57
		For Class 52 Rating, Deduct	-594.41	
		For Class 54 Rating, Add	827.30	
		For Class 55 Rating, Add	1,238.51	
		For Class 56 Rating, Add	1,644.32	
40 05 19 00-2357	EA	18" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,233.78	924.78
		For Class 52 Rating, Deduct	-641.59	
		For Class 54 Rating, Add	891.70	
		For Class 55 Rating, Add	1,334.30	
		For Class 56 Rating, Add	1,771.06	
40 05 19 00-2358	EA	18" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,669.04	929.00
		For Class 52 Rating, Deduct	-688.76	
		For Class 54 Rating, Add	956.11	
		For Class 55 Rating, Add	1,430.09	
		For Class 56 Rating, Add	1,897.81	
40 05 19 00-2359	EA	18" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,104.30	933.21
		For Class 52 Rating, Deduct	-735.94	
		For Class 54 Rating, Add	1,020.52	
		For Class 55 Rating, Add	1,525.88	
		For Class 56 Rating, Add	2,024.55	
40 05 19 00-2360	EA	18" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,539.55	937.43
		For Class 52 Rating, Deduct	-783.11	
		For Class 54 Rating, Add	1,084.93	
		For Class 55 Rating, Add	1,621.67	
		For Class 56 Rating, Add	2,151.30	
40 05 19 00-2361	EA	18" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,974.81	941.64
		For Class 52 Rating, Deduct	-830.29	
		For Class 54 Rating, Add	1,149.33	
		For Class 55 Rating, Add	1,717.46	
		For Class 56 Rating, Add	2,278.05	
40 05 19 00-2362	EA	18" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,410.06	945.85
		For Class 52 Rating, Deduct	-877.46	
		For Class 54 Rating, Add	1,213.74	
		For Class 55 Rating, Add	1,813.25	
		For Class 56 Rating, Add	2,404.79	
40 05 19 00-2363	EA	18" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,845.31	950.07
		For Class 52 Rating, Deduct	-924.64	
		For Class 54 Rating, Add	1,278.15	
		For Class 55 Rating, Add	1,909.04	
		For Class 56 Rating, Add	2,531.54	
40 05 19 00-2364	EA	18" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,280.57	954.28
		For Class 52 Rating, Deduct	-971.81	
		For Class 54 Rating, Add	1,342.55	
		For Class 55 Rating, Add	2,004.84	
		For Class 56 Rating, Add	2,658.28	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-2365	EA	18" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,715.83	958.50
		For Class 52 Rating, Deduct	-1,018.99	
		For Class 54 Rating, Add	1,406.96	
		For Class 55 Rating, Add	2,100.63	
		For Class 56 Rating, Add	2,785.03	
40 05 19 00-2366	EA	18" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,151.08	962.71
		For Class 52 Rating, Deduct	-1,066.17	
		For Class 54 Rating, Add	1,471.37	
		For Class 55 Rating, Add	2,196.42	
		For Class 56 Rating, Add	2,911.78	
40 05 19 00-2367	EA	18" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,586.33	966.94
		For Class 52 Rating, Deduct	-1,113.34	
		For Class 54 Rating, Add	1,535.77	
		For Class 55 Rating, Add	2,292.21	
		For Class 56 Rating, Add	3,038.52	
40 05 19 00-2368	EA	18" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,021.59	971.15
		For Class 52 Rating, Deduct	-1,160.52	
		For Class 54 Rating, Add	1,600.18	
		For Class 55 Rating, Add	2,388.00	
		For Class 56 Rating, Add	3,165.27	
40 05 19 00-2369	EA	18" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,456.84	975.37
		For Class 52 Rating, Deduct	-1,207.69	
		For Class 54 Rating, Add	1,664.59	
		For Class 55 Rating, Add	2,483.79	
		For Class 56 Rating, Add	3,292.01	
40 05 19 00-2370	EA	18" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,892.10	979.58
		For Class 52 Rating, Deduct	-1,254.87	
		For Class 54 Rating, Add	1,728.99	
		For Class 55 Rating, Add	2,579.58	
		For Class 56 Rating, Add	3,418.76	
40 05 19 00-2371	EA	18" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,327.36	983.80
		For Class 52 Rating, Deduct	-1,302.04	
		For Class 54 Rating, Add	1,793.40	
		For Class 55 Rating, Add	2,675.37	
		For Class 56 Rating, Add	3,545.51	
40 05 19 00-2372	EA	18" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,762.60	988.01
		For Class 52 Rating, Deduct	-1,349.22	
		For Class 54 Rating, Add	1,857.81	
		For Class 55 Rating, Add	2,771.16	
		For Class 56 Rating, Add	3,672.25	
40 05 19 00-2373	EA	18" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,197.86	992.23
		For Class 52 Rating, Deduct	-1,396.39	
		For Class 54 Rating, Add	1,922.21	
		For Class 55 Rating, Add	2,866.95	
		For Class 56 Rating, Add	3,799.00	
40 05 19 00-2374	EA	18" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,633.12	996.44
		For Class 52 Rating, Deduct	-1,443.57	
		For Class 54 Rating, Add	1,986.62	
		For Class 55 Rating, Add	2,962.74	
		For Class 56 Rating, Add	3,925.74	
40 05 19 00-2375	EA	18" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,068.37	1,000.65
		For Class 52 Rating, Deduct	-1,490.75	
		For Class 54 Rating, Add	2,051.03	
		For Class 55 Rating, Add	3,058.53	
		For Class 56 Rating, Add	4,052.49	
40 05 19 00-2376	EA	18" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,503.63	1,004.87
		For Class 52 Rating, Deduct	-1,537.92	
		For Class 54 Rating, Add	2,115.44	
		For Class 55 Rating, Add	3,154.33	
		For Class 56 Rating, Add	4,179.24	
40 05 19 00-2377	EA	18" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,938.88	1,009.08
		For Class 52 Rating, Deduct	-1,585.10	
		For Class 54 Rating, Add	2,179.84	
		For Class 55 Rating, Add	3,250.12	
		For Class 56 Rating, Add	4,305.98	
40 05 19 00-2378	EA	18" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,374.13	1,013.30
		For Class 52 Rating, Deduct	-1,632.27	
		For Class 54 Rating, Add	2,244.25	
		For Class 55 Rating, Add	3,345.91	
		For Class 56 Rating, Add	4,432.73	
40 05 19 00-2379	EA	18" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,809.39	1,017.51
		For Class 52 Rating, Deduct	-1,679.45	
		For Class 54 Rating, Add	2,308.66	
		For Class 55 Rating, Add	3,441.70	
		For Class 56 Rating, Add	4,559.47	

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
40 05 19 00-2380	EA	18" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,244.65	1,021.73
		For Class 52 Rating, Deduct	-1,726.62	
		For Class 54 Rating, Add	2,373.06	
		For Class 55 Rating, Add	3,537.49	
		For Class 56 Rating, Add	4,686.22	
40 05 19 00-2381	EA	18" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,679.90	1,025.94
		For Class 52 Rating, Deduct	-1,773.80	
		For Class 54 Rating, Add	2,437.47	
		For Class 55 Rating, Add	3,633.28	
		For Class 56 Rating, Add	4,812.97	
40 05 19 00-2382	EA	18" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,115.15	1,030.16
		For Class 52 Rating, Deduct	-1,820.97	
		For Class 54 Rating, Add	2,501.88	
		For Class 55 Rating, Add	3,729.07	
		For Class 56 Rating, Add	4,939.71	
40 05 19 00-2383	EA	18" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,550.41	1,034.37
		For Class 52 Rating, Deduct	-1,868.15	
		For Class 54 Rating, Add	2,566.28	
		For Class 55 Rating, Add	3,824.86	
		For Class 56 Rating, Add	5,066.46	
40 05 19 00-2384	EA	18" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,985.66	1,038.59
		For Class 52 Rating, Deduct	-1,915.32	
		For Class 54 Rating, Add	2,630.69	
		For Class 55 Rating, Add	3,920.65	
		For Class 56 Rating, Add	5,193.20	
40 05 19 00-2385	EA	18" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,420.91	1,042.80
		For Class 52 Rating, Deduct	-1,962.50	
		For Class 54 Rating, Add	2,695.10	
		For Class 55 Rating, Add	4,016.44	
		For Class 56 Rating, Add	5,319.95	
40 05 19 00-2386	EA	18" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,856.17	1,047.02
		For Class 52 Rating, Deduct	-2,009.68	
		For Class 54 Rating, Add	2,759.50	
		For Class 55 Rating, Add	4,112.23	
		For Class 56 Rating, Add	5,446.70	
40 05 19 00-2387	EA	18" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,291.42	1,051.23
		For Class 52 Rating, Deduct	-2,056.85	
		For Class 54 Rating, Add	2,823.91	
		For Class 55 Rating, Add	4,208.02	
		For Class 56 Rating, Add	5,573.44	
40 05 19 00-2388	EA	18" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,726.67	1,055.45
		For Class 52 Rating, Deduct	-2,104.03	
		For Class 54 Rating, Add	2,888.32	
		For Class 55 Rating, Add	4,303.81	
		For Class 56 Rating, Add	5,700.19	
40 05 19 00-2389	EA	18" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,161.93	1,059.67
		For Class 52 Rating, Deduct	-2,151.20	
		For Class 54 Rating, Add	2,952.72	
		For Class 55 Rating, Add	4,399.61	
		For Class 56 Rating, Add	5,826.93	
40 05 19 00-2390	EA	18" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,597.19	1,063.88
		For Class 52 Rating, Deduct	-2,198.38	
		For Class 54 Rating, Add	3,017.13	
		For Class 55 Rating, Add	4,495.40	
		For Class 56 Rating, Add	5,953.68	
40 05 19 00-2391	EA	18" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,032.44	1,068.10
		For Class 52 Rating, Deduct	-2,245.55	
		For Class 54 Rating, Add	3,081.54	
		For Class 55 Rating, Add	4,591.19	
		For Class 56 Rating, Add	6,080.42	
40 05 19 00-2392		20" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-2074)		
40 05 19 00-2393	EA	20" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,938.30	1,041.11
		For Class 52 Rating, Deduct	-589.69	
		For Class 54 Rating, Add	823.06	
		For Class 55 Rating, Add	1,233.33	
		For Class 56 Rating, Add	1,638.24	
40 05 19 00-2394	EA	20" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,433.60	1,045.33
		For Class 52 Rating, Deduct	-643.47	
		For Class 54 Rating, Add	896.47	
		For Class 55 Rating, Add	1,342.51	
		For Class 56 Rating, Add	1,782.70	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-2395	EA	20" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
		Pipe	7,928.89	1,049.54
		For Class 52 Rating, Deduct	-697.25	
		For Class 54 Rating, Add	969.88	
		For Class 55 Rating, Add	1,451.69	
		For Class 56 Rating, Add	1,927.16	
40 05 19 00-2396	EA	20" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
		Pipe	8,424.19	1,053.76
		For Class 52 Rating, Deduct	-751.03	
		For Class 54 Rating, Add	1,043.30	
		For Class 55 Rating, Add	1,560.87	
		For Class 56 Rating, Add	2,071.61	
40 05 19 00-2397	EA	20" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
		Pipe	8,919.49	1,057.98
		For Class 52 Rating, Deduct	-804.81	
		For Class 54 Rating, Add	1,116.71	
		For Class 55 Rating, Add	1,670.05	
		For Class 56 Rating, Add	2,216.07	
40 05 19 00-2398	EA	20" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
		Pipe	9,414.78	1,062.20
		For Class 52 Rating, Deduct	-858.59	
		For Class 54 Rating, Add	1,190.12	
		For Class 55 Rating, Add	1,779.23	
		For Class 56 Rating, Add	2,360.53	
40 05 19 00-2399	EA	20" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
		Pipe	9,910.08	1,066.41
		For Class 52 Rating, Deduct	-912.37	
		For Class 54 Rating, Add	1,263.54	
		For Class 55 Rating, Add	1,888.41	
		For Class 56 Rating, Add	2,504.99	
40 05 19 00-2400	EA	20" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
		Pipe	10,405.38	1,070.63
		For Class 52 Rating, Deduct	-966.15	
		For Class 54 Rating, Add	1,336.95	
		For Class 55 Rating, Add	1,997.59	
		For Class 56 Rating, Add	2,649.45	
40 05 19 00-2401	EA	20" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
		Pipe	10,900.67	1,074.84
		For Class 52 Rating, Deduct	-1,019.93	
		For Class 54 Rating, Add	1,410.36	
		For Class 55 Rating, Add	2,106.77	
		For Class 56 Rating, Add	2,793.91	
40 05 19 00-2402	EA	20" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
		Pipe	11,395.97	1,079.06
		For Class 52 Rating, Deduct	-1,073.71	
		For Class 54 Rating, Add	1,483.78	
		For Class 55 Rating, Add	2,215.95	
		For Class 56 Rating, Add	2,938.36	
40 05 19 00-2403	EA	20" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
		Pipe	11,891.27	1,083.27
		For Class 52 Rating, Deduct	-1,127.49	
		For Class 54 Rating, Add	1,557.19	
		For Class 55 Rating, Add	2,325.13	
		For Class 56 Rating, Add	3,082.82	
40 05 19 00-2404	EA	20" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
		Pipe	12,386.55	1,087.49
		For Class 52 Rating, Deduct	-1,181.27	
		For Class 54 Rating, Add	1,630.60	
		For Class 55 Rating, Add	2,434.31	
		For Class 56 Rating, Add	3,227.28	
40 05 19 00-2405	EA	20" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
		Pipe	12,881.85	1,091.70
		For Class 52 Rating, Deduct	-1,235.05	
		For Class 54 Rating, Add	1,704.01	
		For Class 55 Rating, Add	2,543.49	
		For Class 56 Rating, Add	3,371.74	
40 05 19 00-2406	EA	20" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
		Pipe	13,377.15	1,095.91
		For Class 52 Rating, Deduct	-1,288.83	
		For Class 54 Rating, Add	1,777.43	
		For Class 55 Rating, Add	2,652.67	
		For Class 56 Rating, Add	3,516.19	
40 05 19 00-2407	EA	20" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
		Pipe	13,872.44	1,100.13
		For Class 52 Rating, Deduct	-1,342.61	
		For Class 54 Rating, Add	1,850.84	
		For Class 55 Rating, Add	2,761.85	
		For Class 56 Rating, Add	3,660.65	
40 05 19 00-2408	EA	20" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
		Pipe	14,367.74	1,104.34
		For Class 52 Rating, Deduct	-1,396.39	
		For Class 54 Rating, Add	1,924.25	
		For Class 55 Rating, Add	2,871.03	
		For Class 56 Rating, Add	3,805.11	
40 05 19 00-2409	EA	20" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
		Pipe	14,863.04	1,108.56
		For Class 52 Rating, Deduct	-1,450.17	
		For Class 54 Rating, Add	1,997.67	
		For Class 55 Rating, Add	2,980.21	
		For Class 56 Rating, Add	3,949.57	

MINOR		DESCRIPTION	TOTAL DIRECT		DEMOLITION
CSI	UOM		UNIT COST	UNIT COST	
40 05 19 00-2410	EA	20" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,358.33		1,112.77
		For Class 52 Rating, Deduct	-1,503.95		
		For Class 54 Rating, Add	2,071.08		
		For Class 55 Rating, Add	3,089.39		
		For Class 56 Rating, Add	4,094.03		
40 05 19 00-2411	EA	20" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,853.63		1,116.99
		For Class 52 Rating, Deduct	-1,557.73		
		For Class 54 Rating, Add	2,144.49		
		For Class 55 Rating, Add	3,198.57		
		For Class 56 Rating, Add	4,238.49		
40 05 19 00-2412	EA	20" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,348.93		1,121.20
		For Class 52 Rating, Deduct	-1,611.51		
		For Class 54 Rating, Add	2,217.91		
		For Class 55 Rating, Add	3,307.75		
		For Class 56 Rating, Add	4,382.95		
40 05 19 00-2413	EA	20" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,844.22		1,125.42
		For Class 52 Rating, Deduct	-1,665.29		
		For Class 54 Rating, Add	2,291.32		
		For Class 55 Rating, Add	3,416.93		
		For Class 56 Rating, Add	4,527.40		
40 05 19 00-2414	EA	20" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,339.52		1,129.63
		For Class 52 Rating, Deduct	-1,719.07		
		For Class 54 Rating, Add	2,364.73		
		For Class 55 Rating, Add	3,526.11		
		For Class 56 Rating, Add	4,671.66		
40 05 19 00-2415	EA	20" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,834.82		1,133.85
		For Class 52 Rating, Deduct	-1,772.85		
		For Class 54 Rating, Add	2,438.14		
		For Class 55 Rating, Add	3,635.29		
		For Class 56 Rating, Add	4,816.32		
40 05 19 00-2416	EA	20" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,330.11		1,138.06
		For Class 52 Rating, Deduct	-1,826.63		
		For Class 54 Rating, Add	2,511.56		
		For Class 55 Rating, Add	3,744.47		
		For Class 56 Rating, Add	4,960.78		
40 05 19 00-2417	EA	20" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,825.41		1,142.28
		For Class 52 Rating, Deduct	-1,880.41		
		For Class 54 Rating, Add	2,584.97		
		For Class 55 Rating, Add	3,853.65		
		For Class 56 Rating, Add	5,105.24		
40 05 19 00-2418	EA	20" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,320.71		1,146.49
		For Class 52 Rating, Deduct	-1,934.19		
		For Class 54 Rating, Add	2,658.38		
		For Class 55 Rating, Add	3,962.63		
		For Class 56 Rating, Add	5,249.70		
40 05 19 00-2419	EA	20" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,815.99		1,150.71
		For Class 52 Rating, Deduct	-1,987.98		
		For Class 54 Rating, Add	2,731.80		
		For Class 55 Rating, Add	4,072.01		
		For Class 56 Rating, Add	5,394.15		
40 05 19 00-2420	EA	20" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,311.29		1,154.93
		For Class 52 Rating, Deduct	-2,041.76		
		For Class 54 Rating, Add	2,805.21		
		For Class 55 Rating, Add	4,181.19		
		For Class 56 Rating, Add	5,538.61		
40 05 19 00-2421	EA	20" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,806.59		1,159.14
		For Class 52 Rating, Deduct	-2,095.54		
		For Class 54 Rating, Add	2,878.62		
		For Class 55 Rating, Add	4,290.37		
		For Class 56 Rating, Add	5,683.07		
40 05 19 00-2422	EA	20" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,301.88		1,163.36
		For Class 52 Rating, Deduct	-2,149.32		
		For Class 54 Rating, Add	2,952.04		
		For Class 55 Rating, Add	4,399.55		
		For Class 56 Rating, Add	5,827.53		
40 05 19 00-2423	EA	20" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,797.18		1,167.57
		For Class 52 Rating, Deduct	-2,203.10		
		For Class 54 Rating, Add	3,025.45		
		For Class 55 Rating, Add	4,508.73		
		For Class 56 Rating, Add	5,971.99		
40 05 19 00-2424	EA	20" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,292.48		1,171.79
		For Class 52 Rating, Deduct	-2,256.88		
		For Class 54 Rating, Add	3,098.86		
		For Class 55 Rating, Add	4,617.91		
		For Class 56 Rating, Add	6,116.45		

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-2425	EA	20" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,787.77	1,176.00
		For Class 52 Rating, Deduct	-2,310.65	
		For Class 54 Rating, Add	3,172.27	
		For Class 55 Rating, Add	4,727.09	
		For Class 56 Rating, Add	6,260.90	
40 05 19 00-2426	EA	20" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,283.06	1,180.22
		For Class 52 Rating, Deduct	-2,364.43	
		For Class 54 Rating, Add	3,245.69	
		For Class 55 Rating, Add	4,836.27	
		For Class 56 Rating, Add	6,405.36	
40 05 19 00-2427	EA	20" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,778.36	1,184.43
		For Class 52 Rating, Deduct	-2,418.21	
		For Class 54 Rating, Add	3,319.10	
		For Class 55 Rating, Add	4,945.45	
		For Class 56 Rating, Add	6,549.82	
40 05 19 00-2428	EA	20" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,273.66	1,188.65
		For Class 52 Rating, Deduct	-2,471.99	
		For Class 54 Rating, Add	3,392.51	
		For Class 55 Rating, Add	5,054.63	
		For Class 56 Rating, Add	6,694.28	
40 05 19 00-2429	EA	20" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,768.95	1,192.86
		For Class 52 Rating, Deduct	-2,525.77	
		For Class 54 Rating, Add	3,465.93	
		For Class 55 Rating, Add	5,163.81	
		For Class 56 Rating, Add	6,838.73	
40 05 19 00-2430	EA	20" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,264.25	1,197.07
		For Class 52 Rating, Deduct	-2,579.56	
		For Class 54 Rating, Add	3,539.34	
		For Class 55 Rating, Add	5,272.99	
		For Class 56 Rating, Add	6,983.19	

40 05 19 00-2431 24" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe

(40 05 19 00-2074)

40 05 19 00-2432	EA	24" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,555.18	1,230.79
		For Class 52 Rating, Deduct	-735.94	
		For Class 54 Rating, Add	1,025.93	
		For Class 55 Rating, Add	1,536.70	
		For Class 56 Rating, Add	2,040.78	
40 05 19 00-2433	EA	24" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,167.70	1,235.01
		For Class 52 Rating, Deduct	-802.61	
		For Class 54 Rating, Add	1,116.93	
		For Class 55 Rating, Add	1,672.02	
		For Class 56 Rating, Add	2,219.82	
40 05 19 00-2434	EA	24" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,780.23	1,239.23
		For Class 52 Rating, Deduct	-869.29	
		For Class 54 Rating, Add	1,207.92	
		For Class 55 Rating, Add	1,807.34	
		For Class 56 Rating, Add	2,398.86	
40 05 19 00-2435	EA	24" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,392.74	1,243.45
		For Class 52 Rating, Deduct	-935.96	
		For Class 54 Rating, Add	1,298.92	
		For Class 55 Rating, Add	1,942.67	
		For Class 56 Rating, Add	2,577.90	
40 05 19 00-2436	EA	24" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,005.26	1,247.66
		For Class 52 Rating, Deduct	-1,002.64	
		For Class 54 Rating, Add	1,389.92	
		For Class 55 Rating, Add	2,077.99	
		For Class 56 Rating, Add	2,756.94	
40 05 19 00-2437	EA	24" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,617.79	1,251.87
		For Class 52 Rating, Deduct	-1,069.31	
		For Class 54 Rating, Add	1,480.91	
		For Class 55 Rating, Add	2,213.31	
		For Class 56 Rating, Add	2,935.98	
40 05 19 00-2438	EA	24" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,230.30	1,256.09
		For Class 52 Rating, Deduct	-1,135.99	
		For Class 54 Rating, Add	1,571.91	
		For Class 55 Rating, Add	2,348.63	
		For Class 56 Rating, Add	3,115.02	
40 05 19 00-2439	EA	24" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,842.82	1,260.30
		For Class 52 Rating, Deduct	-1,202.66	
		For Class 54 Rating, Add	1,662.91	
		For Class 55 Rating, Add	2,483.95	
		For Class 56 Rating, Add	3,294.06	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2440	EA	24"	Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,455.35	1,264.52
			For Class 52 Rating, Deduct	-1,269.34	
			For Class 54 Rating, Add	1,753.90	
			For Class 55 Rating, Add	2,619.27	
			For Class 56 Rating, Add	3,473.10	
40 05 19 00-2441	EA	24"	Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,067.86	1,268.73
			For Class 52 Rating, Deduct	-1,336.01	
			For Class 54 Rating, Add	1,844.90	
			For Class 55 Rating, Add	2,754.59	
			For Class 56 Rating, Add	3,652.14	
40 05 19 00-2442	EA	24"	Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,680.39	1,272.95
			For Class 52 Rating, Deduct	-1,402.68	
			For Class 54 Rating, Add	1,935.90	
			For Class 55 Rating, Add	2,889.91	
			For Class 56 Rating, Add	3,831.18	
40 05 19 00-2443	EA	24"	Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,292.91	1,277.16
			For Class 52 Rating, Deduct	-1,469.36	
			For Class 54 Rating, Add	2,026.89	
			For Class 55 Rating, Add	3,025.23	
			For Class 56 Rating, Add	4,010.22	
40 05 19 00-2444	EA	24"	Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,905.42	1,281.38
			For Class 52 Rating, Deduct	-1,536.03	
			For Class 54 Rating, Add	2,117.89	
			For Class 55 Rating, Add	3,160.55	
			For Class 56 Rating, Add	4,189.26	
40 05 19 00-2445	EA	24"	Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,517.94	1,285.59
			For Class 52 Rating, Deduct	-1,602.71	
			For Class 54 Rating, Add	2,208.89	
			For Class 55 Rating, Add	3,295.88	
			For Class 56 Rating, Add	4,368.30	
40 05 19 00-2446	EA	24"	Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,130.46	1,289.81
			For Class 52 Rating, Deduct	-1,669.38	
			For Class 54 Rating, Add	2,299.88	
			For Class 55 Rating, Add	3,431.20	
			For Class 56 Rating, Add	4,547.33	
40 05 19 00-2447	EA	24"	Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,742.97	1,294.02
			For Class 52 Rating, Deduct	-1,736.06	
			For Class 54 Rating, Add	2,390.88	
			For Class 55 Rating, Add	3,566.52	
			For Class 56 Rating, Add	4,726.37	
40 05 19 00-2448	EA	24"	Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,355.50	1,298.23
			For Class 52 Rating, Deduct	-1,802.73	
			For Class 54 Rating, Add	2,481.88	
			For Class 55 Rating, Add	3,701.84	
			For Class 56 Rating, Add	4,905.41	
40 05 19 00-2449	EA	24"	Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,968.02	1,302.45
			For Class 52 Rating, Deduct	-1,869.41	
			For Class 54 Rating, Add	2,572.87	
			For Class 55 Rating, Add	3,837.16	
			For Class 56 Rating, Add	5,084.45	
40 05 19 00-2450	EA	24"	Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,580.53	1,306.66
			For Class 52 Rating, Deduct	-1,936.08	
			For Class 54 Rating, Add	2,663.87	
			For Class 55 Rating, Add	3,972.48	
			For Class 56 Rating, Add	5,263.49	
40 05 19 00-2451	EA	24"	Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,193.06	1,310.88
			For Class 52 Rating, Deduct	-2,002.76	
			For Class 54 Rating, Add	2,754.87	
			For Class 55 Rating, Add	4,107.80	
			For Class 56 Rating, Add	5,442.53	
40 05 19 00-2452	EA	24"	Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,805.58	1,315.09
			For Class 52 Rating, Deduct	-2,069.43	
			For Class 54 Rating, Add	2,845.86	
			For Class 55 Rating, Add	4,243.12	
			For Class 56 Rating, Add	5,621.57	
40 05 19 00-2453	EA	24"	Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,418.10	1,319.31
			For Class 52 Rating, Deduct	-2,136.11	
			For Class 54 Rating, Add	2,936.86	
			For Class 55 Rating, Add	4,378.44	
			For Class 56 Rating, Add	5,800.61	
40 05 19 00-2454	EA	24"	Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,030.62	1,323.52
			For Class 52 Rating, Deduct	-2,202.78	
			For Class 54 Rating, Add	3,027.86	
			For Class 55 Rating, Add	4,513.77	
			For Class 56 Rating, Add	5,979.65	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-2455	EA	24" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,643.14	1,327.74
		For Class 52 Rating, Deduct	-2,269.46	
		For Class 54 Rating, Add	3,118.85	
		For Class 55 Rating, Add	4,649.09	
		For Class 56 Rating, Add	6,158.69	
40 05 19 00-2456	EA	24" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,255.66	1,331.96
		For Class 52 Rating, Deduct	-2,336.13	
		For Class 54 Rating, Add	3,209.85	
		For Class 55 Rating, Add	4,784.41	
		For Class 56 Rating, Add	6,337.73	
40 05 19 00-2457	EA	24" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,868.18	1,336.18
		For Class 52 Rating, Deduct	-2,402.80	
		For Class 54 Rating, Add	3,300.85	
		For Class 55 Rating, Add	4,919.73	
		For Class 56 Rating, Add	6,516.77	
40 05 19 00-2458	EA	24" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,480.70	1,340.39
		For Class 52 Rating, Deduct	-2,469.48	
		For Class 54 Rating, Add	3,391.84	
		For Class 55 Rating, Add	5,055.05	
		For Class 56 Rating, Add	6,695.81	
40 05 19 00-2459	EA	24" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,093.22	1,344.61
		For Class 52 Rating, Deduct	-2,536.15	
		For Class 54 Rating, Add	3,482.84	
		For Class 55 Rating, Add	5,190.37	
		For Class 56 Rating, Add	6,874.84	
40 05 19 00-2460	EA	24" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,705.74	1,348.82
		For Class 52 Rating, Deduct	-2,602.83	
		For Class 54 Rating, Add	3,573.84	
		For Class 55 Rating, Add	5,325.69	
		For Class 56 Rating, Add	7,053.89	
40 05 19 00-2461	EA	24" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,426.82	1,424.69
		For Class 52 Rating, Deduct	-2,669.50	
		For Class 54 Rating, Add	3,666.13	
		For Class 55 Rating, Add	5,463.62	
		For Class 56 Rating, Add	7,236.83	
40 05 19 00-2462	EA	24" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,039.34	1,428.91
		For Class 52 Rating, Deduct	-2,736.18	
		For Class 54 Rating, Add	3,757.13	
		For Class 55 Rating, Add	5,598.94	
		For Class 56 Rating, Add	7,415.87	
40 05 19 00-2463	EA	24" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,651.87	1,433.12
		For Class 52 Rating, Deduct	-2,802.85	
		For Class 54 Rating, Add	3,848.13	
		For Class 55 Rating, Add	5,734.26	
		For Class 56 Rating, Add	7,594.91	
40 05 19 00-2464	EA	24" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,264.38	1,437.34
		For Class 52 Rating, Deduct	-2,869.53	
		For Class 54 Rating, Add	3,939.12	
		For Class 55 Rating, Add	5,869.58	
		For Class 56 Rating, Add	7,773.95	
40 05 19 00-2465	EA	24" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,876.90	1,441.55
		For Class 52 Rating, Deduct	-2,936.20	
		For Class 54 Rating, Add	4,030.12	
		For Class 55 Rating, Add	6,004.90	
		For Class 56 Rating, Add	7,952.99	
40 05 19 00-2466	EA	24" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,489.43	1,445.77
		For Class 52 Rating, Deduct	-3,002.88	
		For Class 54 Rating, Add	4,121.12	
		For Class 55 Rating, Add	6,140.22	
		For Class 56 Rating, Add	8,132.03	
40 05 19 00-2467	EA	24" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,101.94	1,449.98
		For Class 52 Rating, Deduct	-3,069.55	
		For Class 54 Rating, Add	4,212.11	
		For Class 55 Rating, Add	6,275.54	
		For Class 56 Rating, Add	8,311.07	
40 05 19 00-2468	EA	24" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,714.46	1,454.19
		For Class 52 Rating, Deduct	-3,136.23	
		For Class 54 Rating, Add	4,303.11	
		For Class 55 Rating, Add	6,410.86	
		For Class 56 Rating, Add	8,490.11	
40 05 19 00-2469	EA	24" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,326.99	1,458.41
		For Class 52 Rating, Deduct	-3,202.90	
		For Class 54 Rating, Add	4,394.11	
		For Class 55 Rating, Add	6,546.19	
		For Class 56 Rating, Add	8,669.15	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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40 05 19 00-2470			30" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		
40 05 19 00-2471	EA		30" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,221.39	1,736.60
			For Class 52 Rating, Deduct	-1,164.92	
			For Class 54 Rating, Add	1,620.10	
			For Class 55 Rating, Add	2,424.76	
			For Class 56 Rating, Add	3,218.83	
40 05 19 00-2472	EA		30" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,096.95	1,740.82
			For Class 52 Rating, Deduct	-1,260.53	
			For Class 54 Rating, Add	1,750.55	
			For Class 55 Rating, Add	2,618.74	
			For Class 56 Rating, Add	3,475.46	
40 05 19 00-2473	EA		30" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,972.52	1,745.03
			For Class 52 Rating, Deduct	-1,356.14	
			For Class 54 Rating, Add	1,881.01	
			For Class 55 Rating, Add	2,812.72	
			For Class 56 Rating, Add	3,732.10	
40 05 19 00-2474	EA		30" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,848.07	1,749.25
			For Class 52 Rating, Deduct	-1,451.75	
			For Class 54 Rating, Add	2,011.46	
			For Class 55 Rating, Add	3,006.70	
			For Class 56 Rating, Add	3,988.73	
40 05 19 00-2475	EA		30" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,723.63	1,753.46
			For Class 52 Rating, Deduct	-1,547.36	
			For Class 54 Rating, Add	2,141.91	
			For Class 55 Rating, Add	3,200.67	
			For Class 56 Rating, Add	4,245.37	
40 05 19 00-2476	EA		30" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,599.19	1,757.68
			For Class 52 Rating, Deduct	-1,642.96	
			For Class 54 Rating, Add	2,272.36	
			For Class 55 Rating, Add	3,394.65	
			For Class 56 Rating, Add	4,502.01	
40 05 19 00-2477	EA		30" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,474.75	1,761.89
			For Class 52 Rating, Deduct	-1,738.57	
			For Class 54 Rating, Add	2,402.82	
			For Class 55 Rating, Add	3,588.63	
			For Class 56 Rating, Add	4,758.64	
40 05 19 00-2478	EA		30" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,350.31	1,766.10
			For Class 52 Rating, Deduct	-1,834.18	
			For Class 54 Rating, Add	2,533.27	
			For Class 55 Rating, Add	3,782.61	
			For Class 56 Rating, Add	5,015.28	
40 05 19 00-2479	EA		30" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,225.87	1,770.32
			For Class 52 Rating, Deduct	-1,929.79	
			For Class 54 Rating, Add	2,663.72	
			For Class 55 Rating, Add	3,976.59	
			For Class 56 Rating, Add	5,271.91	
40 05 19 00-2480	EA		30" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,101.42	1,774.53
			For Class 52 Rating, Deduct	-2,025.40	
			For Class 54 Rating, Add	2,794.17	
			For Class 55 Rating, Add	4,170.57	
			For Class 56 Rating, Add	5,528.55	
40 05 19 00-2481	EA		30" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,976.99	1,778.75
			For Class 52 Rating, Deduct	-2,121.01	
			For Class 54 Rating, Add	2,924.63	
			For Class 55 Rating, Add	4,364.55	
			For Class 56 Rating, Add	5,785.19	
40 05 19 00-2482	EA		30" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,852.55	1,782.96
			For Class 52 Rating, Deduct	-2,216.62	
			For Class 54 Rating, Add	3,055.08	
			For Class 55 Rating, Add	4,558.53	
			For Class 56 Rating, Add	6,041.82	
40 05 19 00-2483	EA		30" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,728.10	1,787.18
			For Class 52 Rating, Deduct	-2,312.23	
			For Class 54 Rating, Add	3,185.53	
			For Class 55 Rating, Add	4,752.50	
			For Class 56 Rating, Add	6,298.46	
40 05 19 00-2484	EA		30" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,603.66	1,791.40
			For Class 52 Rating, Deduct	-2,407.84	
			For Class 54 Rating, Add	3,315.98	
			For Class 55 Rating, Add	4,946.48	
			For Class 56 Rating, Add	6,555.09	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-2485	EA	30" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,479.23	1,795.62
		For Class 52 Rating, Deduct	-2,503.45	
		For Class 54 Rating, Add	3,446.44	
		For Class 55 Rating, Add	5,140.46	
		For Class 56 Rating, Add	6,811.73	
40 05 19 00-2486	EA	30" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,354.79	1,799.83
		For Class 52 Rating, Deduct	-2,599.05	
		For Class 54 Rating, Add	3,576.89	
		For Class 55 Rating, Add	5,334.44	
		For Class 56 Rating, Add	7,068.36	
40 05 19 00-2487	EA	30" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,230.34	1,804.05
		For Class 52 Rating, Deduct	-2,694.66	
		For Class 54 Rating, Add	3,707.34	
		For Class 55 Rating, Add	5,528.42	
		For Class 56 Rating, Add	7,325.00	
40 05 19 00-2488	EA	30" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,105.90	1,808.26
		For Class 52 Rating, Deduct	-2,790.27	
		For Class 54 Rating, Add	3,837.79	
		For Class 55 Rating, Add	5,722.40	
		For Class 56 Rating, Add	7,581.63	
40 05 19 00-2489	EA	30" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,981.47	1,812.48
		For Class 52 Rating, Deduct	-2,885.88	
		For Class 54 Rating, Add	3,968.25	
		For Class 55 Rating, Add	5,916.38	
		For Class 56 Rating, Add	7,838.27	
40 05 19 00-2490	EA	30" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,857.02	1,816.69
		For Class 52 Rating, Deduct	-2,981.49	
		For Class 54 Rating, Add	4,098.70	
		For Class 55 Rating, Add	6,110.36	
		For Class 56 Rating, Add	8,094.91	
40 05 19 00-2491	EA	30" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,732.58	1,820.90
		For Class 52 Rating, Deduct	-3,077.10	
		For Class 54 Rating, Add	4,229.15	
		For Class 55 Rating, Add	6,304.33	
		For Class 56 Rating, Add	8,351.54	
40 05 19 00-2492	EA	30" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,608.13	1,825.12
		For Class 52 Rating, Deduct	-3,172.71	
		For Class 54 Rating, Add	4,359.60	
		For Class 55 Rating, Add	6,498.31	
		For Class 56 Rating, Add	8,608.18	
40 05 19 00-2493	EA	30" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,483.69	1,829.33
		For Class 52 Rating, Deduct	-3,268.32	
		For Class 54 Rating, Add	4,490.06	
		For Class 55 Rating, Add	6,692.29	
		For Class 56 Rating, Add	8,864.82	
40 05 19 00-2494	EA	30" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	33,359.25	1,833.55
		For Class 52 Rating, Deduct	-3,363.93	
		For Class 54 Rating, Add	4,620.51	
		For Class 55 Rating, Add	6,886.27	
		For Class 56 Rating, Add	9,121.45	
40 05 19 00-2495	EA	30" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	34,234.81	1,837.76
		For Class 52 Rating, Deduct	-3,459.54	
		For Class 54 Rating, Add	4,750.96	
		For Class 55 Rating, Add	7,080.25	
		For Class 56 Rating, Add	9,378.09	
40 05 19 00-2496	EA	30" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	35,110.36	1,841.98
		For Class 52 Rating, Deduct	-3,555.14	
		For Class 54 Rating, Add	4,881.41	
		For Class 55 Rating, Add	7,274.23	
		For Class 56 Rating, Add	9,634.72	
40 05 19 00-2497	EA	30" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	35,985.92	1,846.19
		For Class 52 Rating, Deduct	-3,650.75	
		For Class 54 Rating, Add	5,011.87	
		For Class 55 Rating, Add	7,468.21	
		For Class 56 Rating, Add	9,891.36	
40 05 19 00-2498	EA	30" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	36,861.49	1,850.41
		For Class 52 Rating, Deduct	-3,746.36	
		For Class 54 Rating, Add	5,142.32	
		For Class 55 Rating, Add	7,662.19	
		For Class 56 Rating, Add	10,147.99	
40 05 19 00-2499	EA	30" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	37,737.04	1,854.62
		For Class 52 Rating, Deduct	-3,841.97	
		For Class 54 Rating, Add	5,272.77	
		For Class 55 Rating, Add	7,856.16	
		For Class 56 Rating, Add	10,404.63	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2500	EA		30" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	38,612.60	1,858.84
			For Class 52 Rating, Deduct	-3,937.58	
			For Class 54 Rating, Add	5,403.22	
			For Class 55 Rating, Add	8,050.14	
			For Class 56 Rating, Add	10,661.26	
40 05 19 00-2501	EA		30" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	39,488.16	1,863.05
			For Class 52 Rating, Deduct	-4,033.19	
			For Class 54 Rating, Add	5,533.68	
			For Class 55 Rating, Add	8,244.12	
			For Class 56 Rating, Add	10,917.90	
40 05 19 00-2502	EA		30" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	40,363.72	1,867.27
			For Class 52 Rating, Deduct	-4,128.80	
			For Class 54 Rating, Add	5,664.13	
			For Class 55 Rating, Add	8,438.10	
			For Class 56 Rating, Add	11,174.54	
40 05 19 00-2503	EA		30" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	41,239.28	1,871.48
			For Class 52 Rating, Deduct	-4,224.41	
			For Class 54 Rating, Add	5,794.58	
			For Class 55 Rating, Add	8,632.08	
			For Class 56 Rating, Add	11,431.17	
40 05 19 00-2504	EA		30" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	42,114.84	1,875.69
			For Class 52 Rating, Deduct	-4,320.02	
			For Class 54 Rating, Add	5,925.03	
			For Class 55 Rating, Add	8,826.06	
			For Class 56 Rating, Add	11,687.81	
40 05 19 00-2505	EA		30" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	42,990.39	1,879.91
			For Class 52 Rating, Deduct	-4,415.62	
			For Class 54 Rating, Add	6,055.49	
			For Class 55 Rating, Add	9,020.04	
			For Class 56 Rating, Add	11,944.44	
40 05 19 00-2506 36" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe					
			(40 05 19 00-2074)		
40 05 19 00-2507	EA		36" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,432.74	2,200.26
			For Class 52 Rating, Deduct	-1,660.89	
			For Class 54 Rating, Add	2,304.86	
			For Class 55 Rating, Add	3,447.09	
			For Class 56 Rating, Add	4,574.22	
40 05 19 00-2508	EA		36" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,605.64	2,204.47
			For Class 52 Rating, Deduct	-1,789.21	
			For Class 54 Rating, Add	2,479.91	
			For Class 55 Rating, Add	3,707.38	
			For Class 56 Rating, Add	4,918.58	
40 05 19 00-2509	EA		36" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,778.55	2,208.69
			For Class 52 Rating, Deduct	-1,917.53	
			For Class 54 Rating, Add	2,654.97	
			For Class 55 Rating, Add	3,967.66	
			For Class 56 Rating, Add	5,262.93	
40 05 19 00-2510	EA		36" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,951.47	2,212.90
			For Class 52 Rating, Deduct	-2,045.84	
			For Class 54 Rating, Add	2,830.02	
			For Class 55 Rating, Add	4,227.95	
			For Class 56 Rating, Add	5,607.29	
40 05 19 00-2511	EA		36" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,124.37	2,217.12
			For Class 52 Rating, Deduct	-2,174.16	
			For Class 54 Rating, Add	3,005.08	
			For Class 55 Rating, Add	4,488.24	
			For Class 56 Rating, Add	5,951.64	
40 05 19 00-2512	EA		36" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,297.28	2,221.33
			For Class 52 Rating, Deduct	-2,302.48	
			For Class 54 Rating, Add	3,180.13	
			For Class 55 Rating, Add	4,748.53	
			For Class 56 Rating, Add	6,295.99	
40 05 19 00-2513	EA		36" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,470.19	2,225.55
			For Class 52 Rating, Deduct	-2,430.80	
			For Class 54 Rating, Add	3,355.19	
			For Class 55 Rating, Add	5,008.81	
			For Class 56 Rating, Add	6,640.35	
40 05 19 00-2514	EA		36" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,643.08	2,229.76
			For Class 52 Rating, Deduct	-2,559.11	
			For Class 54 Rating, Add	3,530.24	
			For Class 55 Rating, Add	5,269.10	
			For Class 56 Rating, Add	6,984.70	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-2515	EA	36" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,815.99	2,233.97
		For Class 52 Rating, Deduct	-2,687.43	
		For Class 54 Rating, Add	3,705.29	
		For Class 55 Rating, Add	5,529.39	
		For Class 56 Rating, Add	7,329.05	
40 05 19 00-2516	EA	36" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,988.90	2,238.19
		For Class 52 Rating, Deduct	-2,815.75	
		For Class 54 Rating, Add	3,880.35	
		For Class 55 Rating, Add	5,789.68	
		For Class 56 Rating, Add	7,673.40	
40 05 19 00-2517	EA	36" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,161.80	2,242.40
		For Class 52 Rating, Deduct	-2,944.06	
		For Class 54 Rating, Add	4,055.40	
		For Class 55 Rating, Add	6,049.96	
		For Class 56 Rating, Add	8,017.76	
40 05 19 00-2518	EA	36" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,334.71	2,246.62
		For Class 52 Rating, Deduct	-3,072.38	
		For Class 54 Rating, Add	4,230.46	
		For Class 55 Rating, Add	6,310.25	
		For Class 56 Rating, Add	8,362.11	
40 05 19 00-2519	EA	36" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,507.62	2,250.84
		For Class 52 Rating, Deduct	-3,200.70	
		For Class 54 Rating, Add	4,405.51	
		For Class 55 Rating, Add	6,570.54	
		For Class 56 Rating, Add	8,706.46	
40 05 19 00-2520	EA	36" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	33,680.54	2,255.06
		For Class 52 Rating, Deduct	-3,329.02	
		For Class 54 Rating, Add	4,580.57	
		For Class 55 Rating, Add	6,830.83	
		For Class 56 Rating, Add	9,050.82	
40 05 19 00-2521	EA	36" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	34,853.44	2,259.27
		For Class 52 Rating, Deduct	-3,457.33	
		For Class 54 Rating, Add	4,755.62	
		For Class 55 Rating, Add	7,091.11	
		For Class 56 Rating, Add	9,395.17	
40 05 19 00-2522	EA	36" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	36,026.35	2,263.49
		For Class 52 Rating, Deduct	-3,585.65	
		For Class 54 Rating, Add	4,930.68	
		For Class 55 Rating, Add	7,351.40	
		For Class 56 Rating, Add	9,739.53	
40 05 19 00-2523	EA	36" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	37,199.26	2,267.70
		For Class 52 Rating, Deduct	-3,713.97	
		For Class 54 Rating, Add	5,105.73	
		For Class 55 Rating, Add	7,611.69	
		For Class 56 Rating, Add	10,083.88	
40 05 19 00-2524	EA	36" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	38,372.16	2,271.92
		For Class 52 Rating, Deduct	-3,842.29	
		For Class 54 Rating, Add	5,280.79	
		For Class 55 Rating, Add	7,871.98	
		For Class 56 Rating, Add	10,428.23	
40 05 19 00-2525	EA	36" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	39,545.07	2,276.13
		For Class 52 Rating, Deduct	-3,970.60	
		For Class 54 Rating, Add	5,455.84	
		For Class 55 Rating, Add	8,132.26	
		For Class 56 Rating, Add	10,772.59	
40 05 19 00-2526	EA	36" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	40,717.98	2,280.35
		For Class 52 Rating, Deduct	-4,098.92	
		For Class 54 Rating, Add	5,630.90	
		For Class 55 Rating, Add	8,392.55	
		For Class 56 Rating, Add	11,116.94	
40 05 19 00-2527	EA	36" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	41,890.88	2,284.56
		For Class 52 Rating, Deduct	-4,227.24	
		For Class 54 Rating, Add	5,805.95	
		For Class 55 Rating, Add	8,652.84	
		For Class 56 Rating, Add	11,461.29	
40 05 19 00-2528	EA	36" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	43,063.79	2,288.77
		For Class 52 Rating, Deduct	-4,355.55	
		For Class 54 Rating, Add	5,981.01	
		For Class 55 Rating, Add	8,913.13	
		For Class 56 Rating, Add	11,805.65	
40 05 19 00-2529	EA	36" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	44,236.70	2,292.99
		For Class 52 Rating, Deduct	-4,483.87	
		For Class 54 Rating, Add	6,156.06	
		For Class 55 Rating, Add	9,173.41	
		For Class 56 Rating, Add	12,150.00	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2530	EA	36" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	45,409.60	2,297.20
		For Class 52 Rating, Deduct	-4,612.19	
		For Class 54 Rating, Add	6,331.12	
		For Class 55 Rating, Add	9,433.70	
		For Class 56 Rating, Add	12,494.35	
40 05 19 00-2531	EA	36" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	46,582.52	2,301.42
		For Class 52 Rating, Deduct	-4,740.51	
		For Class 54 Rating, Add	6,506.17	
		For Class 55 Rating, Add	9,693.99	
		For Class 56 Rating, Add	12,838.71	
40 05 19 00-2532	EA	36" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	47,755.43	2,305.63
		For Class 52 Rating, Deduct	-4,868.82	
		For Class 54 Rating, Add	6,681.23	
		For Class 55 Rating, Add	9,954.28	
		For Class 56 Rating, Add	13,183.06	
40 05 19 00-2533	EA	36" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	48,928.33	2,309.85
		For Class 52 Rating, Deduct	-4,997.14	
		For Class 54 Rating, Add	6,856.28	
		For Class 55 Rating, Add	10,214.56	
		For Class 56 Rating, Add	13,527.42	
40 05 19 00-2534	EA	36" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	50,101.24	2,314.06
		For Class 52 Rating, Deduct	-5,125.46	
		For Class 54 Rating, Add	7,031.34	
		For Class 55 Rating, Add	10,474.85	
		For Class 56 Rating, Add	13,871.77	
40 05 19 00-2535	EA	36" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	51,274.15	2,318.28
		For Class 52 Rating, Deduct	-5,253.78	
		For Class 54 Rating, Add	7,206.39	
		For Class 55 Rating, Add	10,735.14	
		For Class 56 Rating, Add	14,216.12	
40 05 19 00-2536	EA	36" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	52,447.05	2,322.49
		For Class 52 Rating, Deduct	-5,382.09	
		For Class 54 Rating, Add	7,381.45	
		For Class 55 Rating, Add	10,995.43	
		For Class 56 Rating, Add	14,560.48	
40 05 19 00-2537	EA	36" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	53,619.96	2,326.71
		For Class 52 Rating, Deduct	-5,510.41	
		For Class 54 Rating, Add	7,556.50	
		For Class 55 Rating, Add	11,255.71	
		For Class 56 Rating, Add	14,904.83	
40 05 19 00-2538	EA	36" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	54,792.87	2,330.92
		For Class 52 Rating, Deduct	-5,638.73	
		For Class 54 Rating, Add	7,731.55	
		For Class 55 Rating, Add	11,516.00	
		For Class 56 Rating, Add	15,249.18	
40 05 19 00-2539	EA	36" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	55,965.77	2,335.13
		For Class 52 Rating, Deduct	-5,767.04	
		For Class 54 Rating, Add	7,906.61	
		For Class 55 Rating, Add	11,776.29	
		For Class 56 Rating, Add	15,593.54	
40 05 19 00-2540	EA	36" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	57,138.68	2,339.36
		For Class 52 Rating, Deduct	-5,895.36	
		For Class 54 Rating, Add	8,081.66	
		For Class 55 Rating, Add	12,036.57	
		For Class 56 Rating, Add	15,937.89	
40 05 19 00-2541	EA	36" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	58,311.60	2,343.57
		For Class 52 Rating, Deduct	-6,023.68	
		For Class 54 Rating, Add	8,256.72	
		For Class 55 Rating, Add	12,296.86	
		For Class 56 Rating, Add	16,282.25	
40 05 19 00-2542		42" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-2074)		
40 05 19 00-2543	EA	42" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,344.78	2,773.50
		For Class 52 Rating, Deduct	-2,215.68	
		For Class 54 Rating, Add	3,071.80	
		For Class 55 Rating, Add	4,592.63	
		For Class 56 Rating, Add	6,093.32	
40 05 19 00-2544	EA	42" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,066.63	2,777.72
		For Class 52 Rating, Deduct	-2,404.38	
		For Class 54 Rating, Add	3,329.20	
		For Class 55 Rating, Add	4,975.34	
		For Class 56 Rating, Add	6,599.61	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-2545	EA	42" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron	27,774.20	2,781.93
		Pipe		
		For Class 52 Rating, Deduct	-2,591.51	
		For Class 54 Rating, Add	3,584.45	
		For Class 55 Rating, Add	5,354.85	
		For Class 56 Rating, Add	7,101.69	
40 05 19 00-2546	EA	42" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron	29,498.92	2,786.15
		Pipe		
		For Class 52 Rating, Deduct	-2,780.52	
		For Class 54 Rating, Add	3,842.28	
		For Class 55 Rating, Add	5,738.19	
		For Class 56 Rating, Add	7,608.83	
40 05 19 00-2547	EA	42" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron	31,212.19	2,790.36
		Pipe		
		For Class 52 Rating, Deduct	-2,968.28	
		For Class 54 Rating, Add	4,098.39	
		For Class 55 Rating, Add	6,118.98	
		For Class 56 Rating, Add	8,112.59	
40 05 19 00-2548	EA	42" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron	32,942.63	2,794.58
		Pipe		
		For Class 52 Rating, Deduct	-3,157.93	
		For Class 54 Rating, Add	4,357.07	
		For Class 55 Rating, Add	6,503.60	
		For Class 56 Rating, Add	8,621.42	
40 05 19 00-2549	EA	42" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron	34,655.92	2,798.80
		Pipe		
		For Class 52 Rating, Deduct	-3,345.69	
		For Class 54 Rating, Add	4,613.19	
		For Class 55 Rating, Add	6,884.39	
		For Class 56 Rating, Add	9,125.18	
40 05 19 00-2550	EA	42" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron	36,389.21	2,803.01
		Pipe		
		For Class 52 Rating, Deduct	-3,535.65	
		For Class 54 Rating, Add	4,872.30	
		For Class 55 Rating, Add	7,269.64	
		For Class 56 Rating, Add	9,634.85	
40 05 19 00-2551	EA	42" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron	38,108.21	2,807.23
		Pipe		
		For Class 52 Rating, Deduct	-3,724.03	
		For Class 54 Rating, Add	5,129.27	
		For Class 55 Rating, Add	7,651.71	
		For Class 56 Rating, Add	10,140.30	
40 05 19 00-2552	EA	42" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron	39,841.51	2,811.44
		Pipe		
		For Class 52 Rating, Deduct	-3,913.99	
		For Class 54 Rating, Add	5,388.38	
		For Class 55 Rating, Add	8,036.96	
		For Class 56 Rating, Add	10,649.97	
40 05 19 00-2553	EA	42" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron	41,560.50	2,815.66
		Pipe		
		For Class 52 Rating, Deduct	-4,102.38	
		For Class 54 Rating, Add	5,645.35	
		For Class 55 Rating, Add	8,419.03	
		For Class 56 Rating, Add	11,155.42	
40 05 19 00-2554	EA	42" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron	43,296.66	2,819.87
		Pipe		
		For Class 52 Rating, Deduct	-4,292.65	
		For Class 54 Rating, Add	5,904.89	
		For Class 55 Rating, Add	8,804.92	
		For Class 56 Rating, Add	11,665.93	
40 05 19 00-2555	EA	42" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron	45,015.66	2,824.09
		Pipe		
		For Class 52 Rating, Deduct	-4,481.04	
		For Class 54 Rating, Add	6,161.86	
		For Class 55 Rating, Add	9,186.99	
		For Class 56 Rating, Add	12,171.38	
40 05 19 00-2556	EA	42" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron	46,740.37	2,828.30
		Pipe		
		For Class 52 Rating, Deduct	-4,670.06	
		For Class 54 Rating, Add	6,419.68	
		For Class 55 Rating, Add	9,570.33	
		For Class 56 Rating, Add	12,678.52	
40 05 19 00-2557	EA	42" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron	48,473.67	2,832.52
		Pipe		
		For Class 52 Rating, Deduct	-4,860.02	
		For Class 54 Rating, Add	6,678.80	
		For Class 55 Rating, Add	9,955.58	
		For Class 56 Rating, Add	13,188.18	
40 05 19 00-2558	EA	42" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron	50,195.53	2,836.73
		Pipe		
		For Class 52 Rating, Deduct	-5,048.72	
		For Class 54 Rating, Add	6,936.19	
		For Class 55 Rating, Add	10,338.29	
		For Class 56 Rating, Add	13,694.48	
40 05 19 00-2559	EA	42" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron	51,937.40	2,840.95
		Pipe		
		For Class 52 Rating, Deduct	-5,239.62	
		For Class 54 Rating, Add	7,196.59	
		For Class 55 Rating, Add	10,725.45	
		For Class 56 Rating, Add	14,206.68	

MINOR		DESCRIPTION	TOTAL DIRECT		DEMOLITION
CSI	UOM		UNIT COST	UNIT COST	
40 05 19 00-2560	EA	42" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	53,662.12		2,845.16
		For Class 52 Rating, Deduct	-5,428.64		
		For Class 54 Rating, Add	7,454.42		
		For Class 55 Rating, Add	11,108.79		
		For Class 56 Rating, Add	14,713.82		
40 05 19 00-2561	EA	42" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	55,401.14		2,849.38
		For Class 52 Rating, Deduct	-5,619.23		
		For Class 54 Rating, Add	7,714.39		
		For Class 55 Rating, Add	11,495.32		
		For Class 56 Rating, Add	15,225.17		
40 05 19 00-2562	EA	42" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	57,122.99		2,853.59
		For Class 52 Rating, Deduct	-5,807.93		
		For Class 54 Rating, Add	7,971.79		
		For Class 55 Rating, Add	11,878.03		
		For Class 56 Rating, Add	15,731.46		
40 05 19 00-2563	EA	42" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	58,867.72		2,857.80
		For Class 52 Rating, Deduct	-5,999.15		
		For Class 54 Rating, Add	8,232.62		
		For Class 55 Rating, Add	12,265.83		
		For Class 56 Rating, Add	16,244.50		
40 05 19 00-2564	EA	42" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	60,592.45		2,862.02
		For Class 52 Rating, Deduct	-6,188.17		
		For Class 54 Rating, Add	8,490.44		
		For Class 55 Rating, Add	12,649.17		
		For Class 56 Rating, Add	16,751.65		
40 05 19 00-2565	EA	42" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	62,331.45		2,866.23
		For Class 52 Rating, Deduct	-6,378.75		
		For Class 54 Rating, Add	8,750.41		
		For Class 55 Rating, Add	13,035.70		
		For Class 56 Rating, Add	17,263.00		
40 05 19 00-2566	EA	42" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	64,056.17		2,870.45
		For Class 52 Rating, Deduct	-6,567.77		
		For Class 54 Rating, Add	9,008.24		
		For Class 55 Rating, Add	13,419.04		
		For Class 56 Rating, Add	17,770.14		
40 05 19 00-2567	EA	42" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	65,800.91		2,874.66
		For Class 52 Rating, Deduct	-6,758.99		
		For Class 54 Rating, Add	9,269.07		
		For Class 55 Rating, Add	13,806.85		
		For Class 56 Rating, Add	18,283.18		
40 05 19 00-2568	EA	42" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	67,525.63		2,878.88
		For Class 52 Rating, Deduct	-6,948.00		
		For Class 54 Rating, Add	9,526.90		
		For Class 55 Rating, Add	14,190.19		
		For Class 56 Rating, Add	18,790.32		
40 05 19 00-2569	EA	42" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	69,264.64		2,883.09
		For Class 52 Rating, Deduct	-7,138.59		
		For Class 54 Rating, Add	9,786.87		
		For Class 55 Rating, Add	14,576.72		
		For Class 56 Rating, Add	19,301.67		
40 05 19 00-2570	EA	42" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	70,992.22		2,887.31
		For Class 52 Rating, Deduct	-7,327.93		
		For Class 54 Rating, Add	10,045.12		
		For Class 55 Rating, Add	14,960.70		
		For Class 56 Rating, Add	19,809.65		
40 05 19 00-2571	EA	42" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	72,391.00		2,891.53
		For Class 52 Rating, Deduct	-7,481.09		
		For Class 54 Rating, Add	10,254.06		
		For Class 55 Rating, Add	15,271.35		
		For Class 56 Rating, Add	20,220.64		
40 05 19 00-2572	EA	42" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	74,461.66		2,895.75
		For Class 52 Rating, Deduct	-7,708.16		
		For Class 54 Rating, Add	10,563.78		
		For Class 55 Rating, Add	15,731.84		
		For Class 56 Rating, Add	20,829.83		
40 05 19 00-2573	EA	42" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	76,186.38		2,899.96
		For Class 52 Rating, Deduct	-7,897.18		
		For Class 54 Rating, Add	10,821.60		
		For Class 55 Rating, Add	16,115.18		
		For Class 56 Rating, Add	21,336.97		
40 05 19 00-2574	EA	42" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	77,928.25		2,904.18
		For Class 52 Rating, Deduct	-8,088.08		
		For Class 54 Rating, Add	11,082.00		
		For Class 55 Rating, Add	16,502.35		
		For Class 56 Rating, Add	21,849.17		

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-2575	EA	42" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	79,655.82	2,908.39
		For Class 52 Rating, Deduct	-8,277.41	
		For Class 54 Rating, Add	11,340.26	
		For Class 55 Rating, Add	16,886.33	
		For Class 56 Rating, Add	22,357.15	
40 05 19 00-2576	EA	42" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	81,400.55	2,912.60
		For Class 52 Rating, Deduct	-8,468.63	
		For Class 54 Rating, Add	11,601.08	
		For Class 55 Rating, Add	17,274.13	
		For Class 56 Rating, Add	22,870.19	
40 05 19 00-2577	EA	42" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	83,122.42	2,916.82
		For Class 52 Rating, Deduct	-8,657.33	
		For Class 54 Rating, Add	11,858.48	
		For Class 55 Rating, Add	17,656.84	
		For Class 56 Rating, Add	23,376.48	

40 05 19 00-2578 48" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe

(40 05 19 00-2074)

40 05 19 00-2579	EA	48" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,536.20	3,485.85
		For Class 52 Rating, Deduct	-2,778.01	
		For Class 54 Rating, Add	3,851.57	
		For Class 55 Rating, Add	5,758.54	
		For Class 56 Rating, Add	7,640.25	
40 05 19 00-2580	EA	48" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,995.70	3,490.06
		For Class 52 Rating, Deduct	-3,047.85	
		For Class 54 Rating, Add	4,219.62	
		For Class 55 Rating, Add	6,305.74	
		For Class 56 Rating, Add	8,364.15	
40 05 19 00-2581	EA	48" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	35,460.94	3,494.28
		For Class 52 Rating, Deduct	-3,318.32	
		For Class 54 Rating, Add	4,588.52	
		For Class 55 Rating, Add	6,854.21	
		For Class 56 Rating, Add	9,089.74	
40 05 19 00-2582	EA	48" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	37,954.76	3,498.49
		For Class 52 Rating, Deduct	-3,591.94	
		For Class 54 Rating, Add	4,961.71	
		For Class 55 Rating, Add	7,409.06	
		For Class 56 Rating, Add	9,823.76	
40 05 19 00-2583	EA	48" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	40,440.01	3,502.71
		For Class 52 Rating, Deduct	-3,864.62	
		For Class 54 Rating, Add	5,333.62	
		For Class 55 Rating, Add	7,962.00	
		For Class 56 Rating, Add	10,555.25	
40 05 19 00-2584	EA	48" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	42,930.96	3,506.92
		For Class 52 Rating, Deduct	-4,137.92	
		For Class 54 Rating, Add	5,706.38	
		For Class 55 Rating, Add	8,516.21	
		For Class 56 Rating, Add	11,288.43	
40 05 19 00-2585	EA	48" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	45,439.08	3,511.14
		For Class 52 Rating, Deduct	-4,413.11	
		For Class 54 Rating, Add	6,081.71	
		For Class 55 Rating, Add	9,074.25	
		For Class 56 Rating, Add	12,026.67	
40 05 19 00-2586	EA	48" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	47,941.48	3,515.35
		For Class 52 Rating, Deduct	-4,687.67	
		For Class 54 Rating, Add	6,456.19	
		For Class 55 Rating, Add	9,631.02	
		For Class 56 Rating, Add	12,763.22	
40 05 19 00-2587	EA	48" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	50,441.02	3,519.57
		For Class 52 Rating, Deduct	-4,961.92	
		For Class 54 Rating, Add	6,830.24	
		For Class 55 Rating, Add	10,187.14	
		For Class 56 Rating, Add	13,498.94	
40 05 19 00-2588	EA	48" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	52,966.29	3,523.78
		For Class 52 Rating, Deduct	-5,238.99	
		For Class 54 Rating, Add	7,208.15	
		For Class 55 Rating, Add	10,749.01	
		For Class 56 Rating, Add	14,242.24	
40 05 19 00-2589	EA	48" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	55,474.41	3,528.00
		For Class 52 Rating, Deduct	-5,514.18	
		For Class 54 Rating, Add	7,583.49	
		For Class 55 Rating, Add	11,307.05	
		For Class 56 Rating, Add	14,980.48	

MINOR		DESCRIPTION	TOTAL DIRECT		DEMOLITION
CSI	UOM		UNIT COST	UNIT COST	
40 05 19 00-2590	EA	48" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	58,002.53		3,532.22
		For Class 52 Rating, Deduct	-5,791.58		
		For Class 54 Rating, Add	7,961.83		
		For Class 55 Rating, Add	11,869.55		
		For Class 56 Rating, Add	15,724.62		
40 05 19 00-2591	EA	48" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	60,516.37		3,536.43
		For Class 52 Rating, Deduct	-6,067.40		
		For Class 54 Rating, Add	8,338.02		
		For Class 55 Rating, Add	12,428.86		
		For Class 56 Rating, Add	16,464.55		
40 05 19 00-2592	EA	48" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	63,033.07		3,540.65
		For Class 52 Rating, Deduct	-6,343.53		
		For Class 54 Rating, Add	8,714.64		
		For Class 55 Rating, Add	12,988.82		
		For Class 56 Rating, Add	17,205.32		
40 05 19 00-2593	EA	48" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	65,566.91		3,544.86
		For Class 52 Rating, Deduct	-6,621.55		
		For Class 54 Rating, Add	9,093.84		
		For Class 55 Rating, Add	13,552.59		
		For Class 56 Rating, Add	17,951.15		
40 05 19 00-2594	EA	48" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	68,089.33		3,549.08
		For Class 52 Rating, Deduct	-6,898.31		
		For Class 54 Rating, Add	9,471.32		
		For Class 55 Rating, Add	14,113.82		
		For Class 56 Rating, Add	18,693.61		
40 05 19 00-2595	EA	48" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	70,608.88		3,553.29
		For Class 52 Rating, Deduct	-7,174.76		
		For Class 54 Rating, Add	9,848.37		
		For Class 55 Rating, Add	14,674.41		
		For Class 56 Rating, Add	19,435.22		
40 05 19 00-2596	EA	48" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	73,148.44		3,557.51
		For Class 52 Rating, Deduct	-7,453.41		
		For Class 54 Rating, Add	10,228.42		
		For Class 55 Rating, Add	15,239.46		
		For Class 56 Rating, Add	20,182.74		
40 05 19 00-2597	EA	48" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	75,673.72		3,561.72
		For Class 52 Rating, Deduct	-7,730.49		
		For Class 54 Rating, Add	10,606.33		
		For Class 55 Rating, Add	15,801.33		
		For Class 56 Rating, Add	20,926.04		
40 05 19 00-2598	EA	48" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	78,196.14		3,565.94
		For Class 52 Rating, Deduct	-8,007.25		
		For Class 54 Rating, Add	10,983.82		
		For Class 55 Rating, Add	16,362.55		
		For Class 56 Rating, Add	21,668.50		
40 05 19 00-2599	EA	48" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	80,738.55		3,570.15
		For Class 52 Rating, Deduct	-8,286.22		
		For Class 54 Rating, Add	11,364.30		
		For Class 55 Rating, Add	16,928.24		
		For Class 56 Rating, Add	22,416.86		
40 05 19 00-2600	EA	48" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	83,269.55		3,574.37
		For Class 52 Rating, Deduct	-8,563.92		
		For Class 54 Rating, Add	11,743.06		
		For Class 55 Rating, Add	17,491.38		
		For Class 56 Rating, Add	23,161.85		
40 05 19 00-2601	EA	48" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	85,794.81		3,578.58
		For Class 52 Rating, Deduct	-8,841.00		
		For Class 54 Rating, Add	12,120.97		
		For Class 55 Rating, Add	18,053.25		
		For Class 56 Rating, Add	23,905.15		
40 05 19 00-2602	EA	48" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	88,340.09		3,582.79
		For Class 52 Rating, Deduct	-9,120.28		
		For Class 54 Rating, Add	12,501.88		
		For Class 55 Rating, Add	18,619.57		
		For Class 56 Rating, Add	24,654.35		
40 05 19 00-2603	EA	48" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	90,871.08		3,587.01
		For Class 52 Rating, Deduct	-9,397.98		
		For Class 54 Rating, Add	12,880.65		
		For Class 55 Rating, Add	19,182.71		
		For Class 56 Rating, Add	25,399.34		
40 05 19 00-2604	EA	48" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	93,399.22		3,591.22
		For Class 52 Rating, Deduct	-9,675.38		
		For Class 54 Rating, Add	13,258.99		
		For Class 55 Rating, Add	19,745.22		
		For Class 56 Rating, Add	26,143.49		

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-2605	EA	48" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	95,947.36	3,595.44
		For Class 52 Rating, Deduct	-9,954.97	
		For Class 54 Rating, Add	13,640.33	
		For Class 55 Rating, Add	20,312.18	
		For Class 56 Rating, Add	26,893.54	
40 05 19 00-2606	EA	48" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	98,481.21	3,599.65
		For Class 52 Rating, Deduct	-10,232.99	
		For Class 54 Rating, Add	14,019.53	
		For Class 55 Rating, Add	20,875.96	
		For Class 56 Rating, Add	27,639.37	
40 05 19 00-2607	EA	48" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	100,717.71	3,603.87
		For Class 52 Rating, Deduct	-10,478.30	
		For Class 54 Rating, Add	14,354.12	
		For Class 55 Rating, Add	21,373.43	
		For Class 56 Rating, Add	28,297.48	
40 05 19 00-2608	EA	48" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	103,563.20	3,608.08
		For Class 52 Rating, Deduct	-10,790.61	
		For Class 54 Rating, Add	14,780.06	
		For Class 55 Rating, Add	22,006.70	
		For Class 56 Rating, Add	29,135.25	
40 05 19 00-2609	EA	48" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	106,094.19	3,612.30
		For Class 52 Rating, Deduct	-11,068.31	
		For Class 54 Rating, Add	15,158.83	
		For Class 55 Rating, Add	22,569.84	
		For Class 56 Rating, Add	29,880.23	
40 05 19 00-2610	EA	48" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	108,648.06	3,616.51
		For Class 52 Rating, Deduct	-11,348.53	
		For Class 54 Rating, Add	15,541.03	
		For Class 55 Rating, Add	23,138.08	
		For Class 56 Rating, Add	30,631.97	
40 05 19 00-2611	EA	48" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	111,179.04	3,620.73
		For Class 52 Rating, Deduct	-11,626.24	
		For Class 54 Rating, Add	15,919.79	
		For Class 55 Rating, Add	23,701.22	
		For Class 56 Rating, Add	31,376.96	
40 05 19 00-2612	EA	48" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	113,710.03	3,624.95
		For Class 52 Rating, Deduct	-11,903.95	
		For Class 54 Rating, Add	16,298.56	
		For Class 55 Rating, Add	24,264.36	
		For Class 56 Rating, Add	32,121.94	
40 05 19 00-2613	EA	48" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	116,266.76	3,629.17
		For Class 52 Rating, Deduct	-12,184.48	
		For Class 54 Rating, Add	16,681.19	
		For Class 55 Rating, Add	24,833.24	
		For Class 56 Rating, Add	32,874.52	

 40 05 19 00-2614 Flanged End x Grooved End (FxF), Ceramic Epoxy Lined (P401),
 Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-2073)

 40 05 19 00-2615 4" Flanged End x Grooved End (FxF), Class 53, Ceramic Epoxy Lined
 (P401), Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-2614)

40 05 19 00-2616	EA	4" Flanged x Grooved (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	804.03	192.89
		For Class 52 Rating, Deduct	-56.30	
		For Class 54 Rating, Add	80.27	
		For Class 55 Rating, Add	121.14	
		For Class 56 Rating, Add	161.50	
40 05 19 00-2617	EA	4" Flanged x Grooved (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	917.78	196.26
		For Class 52 Rating, Deduct	-68.25	
		For Class 54 Rating, Add	96.63	
		For Class 55 Rating, Add	145.49	
		For Class 56 Rating, Add	193.73	
40 05 19 00-2618	EA	4" Flanged x Grooved (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,031.55	199.63
		For Class 52 Rating, Deduct	-80.20	
		For Class 54 Rating, Add	112.99	
		For Class 55 Rating, Add	169.84	
		For Class 56 Rating, Add	225.97	
40 05 19 00-2619	EA	4" Flanged x Grooved (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,145.29	203.00
		For Class 52 Rating, Deduct	-92.15	
		For Class 54 Rating, Add	129.35	
		For Class 55 Rating, Add	194.19	
		For Class 56 Rating, Add	258.20	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2620	EA	4" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,259.05	206.37
		For Class 52 Rating, Deduct	-104.10	
		For Class 54 Rating, Add	145.71	
		For Class 55 Rating, Add	218.54	
		For Class 56 Rating, Add	290.44	
40 05 19 00-2621	EA	4" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,372.81	209.75
		For Class 52 Rating, Deduct	-116.05	
		For Class 54 Rating, Add	162.07	
		For Class 55 Rating, Add	242.90	
		For Class 56 Rating, Add	322.67	
40 05 19 00-2622	EA	4" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,486.56	213.12
		For Class 52 Rating, Deduct	-128.00	
		For Class 54 Rating, Add	178.42	
		For Class 55 Rating, Add	267.25	
		For Class 56 Rating, Add	354.90	
40 05 19 00-2623	EA	4" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,600.31	216.49
		For Class 52 Rating, Deduct	-139.95	
		For Class 54 Rating, Add	194.78	
		For Class 55 Rating, Add	291.60	
		For Class 56 Rating, Add	387.14	
40 05 19 00-2624	EA	4" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,714.08	219.86
		For Class 52 Rating, Deduct	-151.91	
		For Class 54 Rating, Add	211.14	
		For Class 55 Rating, Add	315.95	
		For Class 56 Rating, Add	419.38	
40 05 19 00-2625	EA	4" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,827.82	223.23
		For Class 52 Rating, Deduct	-163.86	
		For Class 54 Rating, Add	227.50	
		For Class 55 Rating, Add	340.30	
		For Class 56 Rating, Add	451.61	
40 05 19 00-2626	EA	4" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,941.59	226.60
		For Class 52 Rating, Deduct	-175.81	
		For Class 54 Rating, Add	243.86	
		For Class 55 Rating, Add	364.65	
		For Class 56 Rating, Add	483.84	
40 05 19 00-2627	EA	4" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,055.33	229.98
		For Class 52 Rating, Deduct	-187.76	
		For Class 54 Rating, Add	260.21	
		For Class 55 Rating, Add	389.00	
		For Class 56 Rating, Add	516.08	
40 05 19 00-2628	EA	4" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,169.09	233.35
		For Class 52 Rating, Deduct	-199.71	
		For Class 54 Rating, Add	276.57	
		For Class 55 Rating, Add	413.35	
		For Class 56 Rating, Add	548.31	
40 05 19 00-2629	EA	4" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,282.86	236.72
		For Class 52 Rating, Deduct	-211.66	
		For Class 54 Rating, Add	292.93	
		For Class 55 Rating, Add	437.70	
		For Class 56 Rating, Add	580.55	
40 05 19 00-2630	EA	4" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,396.60	240.09
		For Class 52 Rating, Deduct	-223.61	
		For Class 54 Rating, Add	309.29	
		For Class 55 Rating, Add	462.05	
		For Class 56 Rating, Add	612.78	
40 05 19 00-2631	EA	4" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,510.36	243.46
		For Class 52 Rating, Deduct	-235.56	
		For Class 54 Rating, Add	325.65	
		For Class 55 Rating, Add	486.40	
		For Class 56 Rating, Add	645.02	
40 05 19 00-2632	EA	4" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,624.12	246.83
		For Class 52 Rating, Deduct	-247.51	
		For Class 54 Rating, Add	342.01	
		For Class 55 Rating, Add	510.75	
		For Class 56 Rating, Add	677.25	
40 05 19 00-2633	EA	4" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,737.87	250.21
		For Class 52 Rating, Deduct	-259.46	
		For Class 54 Rating, Add	358.36	
		For Class 55 Rating, Add	535.10	
		For Class 56 Rating, Add	709.48	
40 05 19 00-2634	EA	4" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,851.63	253.58
		For Class 52 Rating, Deduct	-271.42	
		For Class 54 Rating, Add	374.72	
		For Class 55 Rating, Add	559.46	
		For Class 56 Rating, Add	741.72	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-2635	EA	4" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,965.39	256.95
		For Class 52 Rating, Deduct	-283.37	
		For Class 54 Rating, Add	391.08	
		For Class 55 Rating, Add	583.81	
		For Class 56 Rating, Add	773.96	
40 05 19 00-2636	EA	4" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,079.13	260.32
		For Class 52 Rating, Deduct	-295.32	
		For Class 54 Rating, Add	407.44	
		For Class 55 Rating, Add	608.16	
		For Class 56 Rating, Add	806.19	
40 05 19 00-2637	EA	4" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,192.90	263.69
		For Class 52 Rating, Deduct	-307.27	
		For Class 54 Rating, Add	423.80	
		For Class 55 Rating, Add	632.51	
		For Class 56 Rating, Add	838.42	
40 05 19 00-2638	EA	4" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,306.65	267.07
		For Class 52 Rating, Deduct	-319.22	
		For Class 54 Rating, Add	440.16	
		For Class 55 Rating, Add	656.86	
		For Class 56 Rating, Add	870.66	
40 05 19 00-2639	EA	4" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,420.40	270.44
		For Class 52 Rating, Deduct	-331.17	
		For Class 54 Rating, Add	456.51	
		For Class 55 Rating, Add	681.21	
		For Class 56 Rating, Add	902.89	
40 05 19 00-2640	EA	4" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,534.16	273.81
		For Class 52 Rating, Deduct	-343.12	
		For Class 54 Rating, Add	472.87	
		For Class 55 Rating, Add	705.56	
		For Class 56 Rating, Add	935.13	
40 05 19 00-2641	EA	4" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,647.92	277.18
		For Class 52 Rating, Deduct	-355.07	
		For Class 54 Rating, Add	489.23	
		For Class 55 Rating, Add	729.91	
		For Class 56 Rating, Add	967.36	
40 05 19 00-2642	EA	4" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,761.68	280.55
		For Class 52 Rating, Deduct	-367.02	
		For Class 54 Rating, Add	505.59	
		For Class 55 Rating, Add	754.26	
		For Class 56 Rating, Add	999.60	
40 05 19 00-2643	EA	4" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,875.43	283.93
		For Class 52 Rating, Deduct	-378.98	
		For Class 54 Rating, Add	521.95	
		For Class 55 Rating, Add	778.61	
		For Class 56 Rating, Add	1,031.83	
40 05 19 00-2644	EA	4" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,989.19	287.30
		For Class 52 Rating, Deduct	-390.93	
		For Class 54 Rating, Add	538.31	
		For Class 55 Rating, Add	802.96	
		For Class 56 Rating, Add	1,064.07	
40 05 19 00-2645	EA	4" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,102.94	290.68
		For Class 52 Rating, Deduct	-402.88	
		For Class 54 Rating, Add	554.66	
		For Class 55 Rating, Add	827.31	
		For Class 56 Rating, Add	1,096.30	
40 05 19 00-2646	EA	4" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,216.70	294.05
		For Class 52 Rating, Deduct	-414.83	
		For Class 54 Rating, Add	571.02	
		For Class 55 Rating, Add	851.67	
		For Class 56 Rating, Add	1,128.54	
40 05 19 00-2647	EA	4" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,330.45	297.42
		For Class 52 Rating, Deduct	-426.78	
		For Class 54 Rating, Add	587.38	
		For Class 55 Rating, Add	876.02	
		For Class 56 Rating, Add	1,160.77	
40 05 19 00-2648	EA	4" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,444.21	300.79
		For Class 52 Rating, Deduct	-438.73	
		For Class 54 Rating, Add	603.74	
		For Class 55 Rating, Add	900.37	
		For Class 56 Rating, Add	1,193.01	
40 05 19 00-2649	EA	4" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,557.96	304.16
		For Class 52 Rating, Deduct	-450.68	
		For Class 54 Rating, Add	620.10	
		For Class 55 Rating, Add	924.72	
		For Class 56 Rating, Add	1,225.24	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2650	EA	4" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,671.73	307.54
		For Class 52 Rating, Deduct	-462.63	
		For Class 54 Rating, Add	636.46	
		For Class 55 Rating, Add	949.07	
		For Class 56 Rating, Add	1,257.48	
40 05 19 00-2651	EA	4" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,785.47	310.91
		For Class 52 Rating, Deduct	-474.59	
		For Class 54 Rating, Add	652.81	
		For Class 55 Rating, Add	973.42	
		For Class 56 Rating, Add	1,289.71	
40 05 19 00-2652	EA	4" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,899.23	314.28
		For Class 52 Rating, Deduct	-486.54	
		For Class 54 Rating, Add	669.17	
		For Class 55 Rating, Add	997.77	
		For Class 56 Rating, Add	1,321.94	
40 05 19 00-2653	EA	4" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,984.40	317.65
		For Class 52 Rating, Deduct	-495.34	
		For Class 54 Rating, Add	681.24	
		For Class 55 Rating, Add	1,015.74	
		For Class 56 Rating, Add	1,345.74	
40 05 19 00-2654	EA	4" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,126.74	321.02
		For Class 52 Rating, Deduct	-510.44	
		For Class 54 Rating, Add	701.89	
		For Class 55 Rating, Add	1,046.47	
		For Class 56 Rating, Add	1,386.41	
 40 05 19 00-2655 6" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-2614)				
40 05 19 00-2656	EA	6" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,039.75	242.79
		For Class 52 Rating, Deduct	-73.91	
		For Class 54 Rating, Add	105.20	
		For Class 55 Rating, Add	158.66	
		For Class 56 Rating, Add	211.45	
40 05 19 00-2657	EA	6" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,170.65	246.16
		For Class 52 Rating, Deduct	-87.75	
		For Class 54 Rating, Add	124.13	
		For Class 55 Rating, Add	186.84	
		For Class 56 Rating, Add	248.75	
40 05 19 00-2658	EA	6" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,301.58	249.53
		For Class 52 Rating, Deduct	-101.59	
		For Class 54 Rating, Add	143.06	
		For Class 55 Rating, Add	215.01	
		For Class 56 Rating, Add	286.04	
40 05 19 00-2659	EA	6" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,432.49	252.91
		For Class 52 Rating, Deduct	-115.42	
		For Class 54 Rating, Add	161.99	
		For Class 55 Rating, Add	243.19	
		For Class 56 Rating, Add	323.34	
40 05 19 00-2660	EA	6" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,563.39	256.28
		For Class 52 Rating, Deduct	-129.26	
		For Class 54 Rating, Add	180.92	
		For Class 55 Rating, Add	271.37	
		For Class 56 Rating, Add	360.63	
40 05 19 00-2661	EA	6" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,694.31	259.65
		For Class 52 Rating, Deduct	-143.10	
		For Class 54 Rating, Add	199.86	
		For Class 55 Rating, Add	299.54	
		For Class 56 Rating, Add	397.93	
40 05 19 00-2662	EA	6" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,825.21	263.02
		For Class 52 Rating, Deduct	-156.94	
		For Class 54 Rating, Add	218.79	
		For Class 55 Rating, Add	327.72	
		For Class 56 Rating, Add	435.22	
40 05 19 00-2663	EA	6" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,956.13	266.39
		For Class 52 Rating, Deduct	-170.78	
		For Class 54 Rating, Add	237.72	
		For Class 55 Rating, Add	355.89	
		For Class 56 Rating, Add	472.52	
40 05 19 00-2664	EA	6" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,087.03	269.76
		For Class 52 Rating, Deduct	-184.61	
		For Class 54 Rating, Add	256.65	
		For Class 55 Rating, Add	384.07	
		For Class 56 Rating, Add	509.81	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-2665	EA	6" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,217.94	273.14
		For Class 52 Rating, Deduct	-198.45	
		For Class 54 Rating, Add	275.58	
		For Class 55 Rating, Add	412.25	
		For Class 56 Rating, Add	547.11	
40 05 19 00-2666	EA	6" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,348.86	276.51
		For Class 52 Rating, Deduct	-212.29	
		For Class 54 Rating, Add	294.51	
		For Class 55 Rating, Add	440.42	
		For Class 56 Rating, Add	584.41	
40 05 19 00-2667	EA	6" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,479.77	279.88
		For Class 52 Rating, Deduct	-226.13	
		For Class 54 Rating, Add	313.45	
		For Class 55 Rating, Add	468.60	
		For Class 56 Rating, Add	621.70	
40 05 19 00-2668	EA	6" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,610.68	283.25
		For Class 52 Rating, Deduct	-239.97	
		For Class 54 Rating, Add	332.38	
		For Class 55 Rating, Add	496.78	
		For Class 56 Rating, Add	659.00	
40 05 19 00-2669	EA	6" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,741.59	286.62
		For Class 52 Rating, Deduct	-253.80	
		For Class 54 Rating, Add	351.31	
		For Class 55 Rating, Add	524.95	
		For Class 56 Rating, Add	696.29	
40 05 19 00-2670	EA	6" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,872.49	289.99
		For Class 52 Rating, Deduct	-267.64	
		For Class 54 Rating, Add	370.24	
		For Class 55 Rating, Add	553.13	
		For Class 56 Rating, Add	733.59	
40 05 19 00-2671	EA	6" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,003.41	293.37
		For Class 52 Rating, Deduct	-281.48	
		For Class 54 Rating, Add	389.17	
		For Class 55 Rating, Add	581.30	
		For Class 56 Rating, Add	770.88	
40 05 19 00-2672	EA	6" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,134.32	296.74
		For Class 52 Rating, Deduct	-295.32	
		For Class 54 Rating, Add	408.10	
		For Class 55 Rating, Add	609.48	
		For Class 56 Rating, Add	808.18	
40 05 19 00-2673	EA	6" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,265.23	300.11
		For Class 52 Rating, Deduct	-309.16	
		For Class 54 Rating, Add	427.03	
		For Class 55 Rating, Add	637.66	
		For Class 56 Rating, Add	845.47	
40 05 19 00-2674	EA	6" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,396.15	303.48
		For Class 52 Rating, Deduct	-323.00	
		For Class 54 Rating, Add	445.97	
		For Class 55 Rating, Add	665.84	
		For Class 56 Rating, Add	882.77	
40 05 19 00-2675	EA	6" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,527.05	306.85
		For Class 52 Rating, Deduct	-336.83	
		For Class 54 Rating, Add	464.90	
		For Class 55 Rating, Add	694.01	
		For Class 56 Rating, Add	920.06	
40 05 19 00-2676	EA	6" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,657.96	310.22
		For Class 52 Rating, Deduct	-350.67	
		For Class 54 Rating, Add	483.83	
		For Class 55 Rating, Add	722.19	
		For Class 56 Rating, Add	957.36	
40 05 19 00-2677	EA	6" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,788.87	313.60
		For Class 52 Rating, Deduct	-364.51	
		For Class 54 Rating, Add	502.76	
		For Class 55 Rating, Add	750.36	
		For Class 56 Rating, Add	994.65	
40 05 19 00-2678	EA	6" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,919.78	316.97
		For Class 52 Rating, Deduct	-378.35	
		For Class 54 Rating, Add	521.69	
		For Class 55 Rating, Add	778.54	
		For Class 56 Rating, Add	1,031.95	
40 05 19 00-2679	EA	6" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,050.69	320.34
		For Class 52 Rating, Deduct	-392.19	
		For Class 54 Rating, Add	540.62	
		For Class 55 Rating, Add	806.72	
		For Class 56 Rating, Add	1,069.24	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2680	EA		6" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	4,181.60	323.72
			For Class 52 Rating, Deduct	-406.02	
			For Class 54 Rating, Add	559.55	
			For Class 55 Rating, Add	834.89	
			For Class 56 Rating, Add	1,106.54	
40 05 19 00-2681	EA		6" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	4,312.51	327.09
			For Class 52 Rating, Deduct	-419.86	
			For Class 54 Rating, Add	578.49	
			For Class 55 Rating, Add	863.07	
			For Class 56 Rating, Add	1,143.84	
40 05 19 00-2682	EA		6" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	4,443.43	330.46
			For Class 52 Rating, Deduct	-433.70	
			For Class 54 Rating, Add	597.42	
			For Class 55 Rating, Add	891.25	
			For Class 56 Rating, Add	1,181.13	
40 05 19 00-2683	EA		6" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	4,574.34	333.84
			For Class 52 Rating, Deduct	-447.54	
			For Class 54 Rating, Add	616.35	
			For Class 55 Rating, Add	919.42	
			For Class 56 Rating, Add	1,218.43	
40 05 19 00-2684	EA		6" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	4,705.25	337.21
			For Class 52 Rating, Deduct	-461.38	
			For Class 54 Rating, Add	635.28	
			For Class 55 Rating, Add	947.60	
			For Class 56 Rating, Add	1,255.72	
40 05 19 00-2685	EA		6" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	4,836.16	340.58
			For Class 52 Rating, Deduct	-475.21	
			For Class 54 Rating, Add	654.21	
			For Class 55 Rating, Add	975.77	
			For Class 56 Rating, Add	1,293.02	
40 05 19 00-2686	EA		6" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	4,967.06	343.95
			For Class 52 Rating, Deduct	-489.05	
			For Class 54 Rating, Add	673.14	
			For Class 55 Rating, Add	1,003.95	
			For Class 56 Rating, Add	1,330.31	
40 05 19 00-2687	EA		6" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	5,097.98	347.32
			For Class 52 Rating, Deduct	-502.89	
			For Class 54 Rating, Add	692.07	
			For Class 55 Rating, Add	1,032.13	
			For Class 56 Rating, Add	1,367.61	
40 05 19 00-2688	EA		6" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	5,228.88	350.69
			For Class 52 Rating, Deduct	-516.73	
			For Class 54 Rating, Add	711.01	
			For Class 55 Rating, Add	1,060.30	
			For Class 56 Rating, Add	1,404.90	
40 05 19 00-2689	EA		6" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	5,359.80	354.07
			For Class 52 Rating, Deduct	-530.57	
			For Class 54 Rating, Add	729.94	
			For Class 55 Rating, Add	1,088.48	
			For Class 56 Rating, Add	1,442.20	
40 05 19 00-2690	EA		6" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	5,490.71	357.44
			For Class 52 Rating, Deduct	-544.41	
			For Class 54 Rating, Add	748.87	
			For Class 55 Rating, Add	1,116.66	
			For Class 56 Rating, Add	1,479.49	
40 05 19 00-2691	EA		6" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	5,621.62	360.81
			For Class 52 Rating, Deduct	-558.24	
			For Class 54 Rating, Add	767.80	
			For Class 55 Rating, Add	1,144.83	
			For Class 56 Rating, Add	1,516.79	
40 05 19 00-2692	EA		6" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	5,752.52	364.18
			For Class 52 Rating, Deduct	-572.08	
			For Class 54 Rating, Add	786.73	
			For Class 55 Rating, Add	1,173.01	
			For Class 56 Rating, Add	1,554.08	
40 05 19 00-2693	EA		6" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	5,883.44	367.55
			For Class 52 Rating, Deduct	-585.92	
			For Class 54 Rating, Add	805.66	
			For Class 55 Rating, Add	1,201.18	
			For Class 56 Rating, Add	1,591.38	
40 05 19 00-2694	EA		6" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	6,014.34	370.92
			For Class 52 Rating, Deduct	-599.76	
			For Class 54 Rating, Add	824.60	
			For Class 55 Rating, Add	1,229.36	
			For Class 56 Rating, Add	1,628.67	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-2695	8" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-2614)		
40 05 19 00-2696	EA 8" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,424.99	310.22
	For Class 52 Rating, Deduct	-105.04	
	For Class 54 Rating, Add	148.88	
	For Class 55 Rating, Add	224.23	
	For Class 56 Rating, Add	298.63	
40 05 19 00-2697	EA 8" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,593.07	313.60
	For Class 52 Rating, Deduct	-122.97	
	For Class 54 Rating, Add	173.39	
	For Class 55 Rating, Add	260.70	
	For Class 56 Rating, Add	346.89	
40 05 19 00-2698	EA 8" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,761.15	316.97
	For Class 52 Rating, Deduct	-140.90	
	For Class 54 Rating, Add	197.90	
	For Class 55 Rating, Add	297.16	
	For Class 56 Rating, Add	395.15	
40 05 19 00-2699	EA 8" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,929.23	320.34
	For Class 52 Rating, Deduct	-158.82	
	For Class 54 Rating, Add	222.40	
	For Class 55 Rating, Add	333.63	
	For Class 56 Rating, Add	443.41	
40 05 19 00-2700	EA 8" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,097.31	323.72
	For Class 52 Rating, Deduct	-176.75	
	For Class 54 Rating, Add	246.91	
	For Class 55 Rating, Add	370.09	
	For Class 56 Rating, Add	491.67	
40 05 19 00-2701	EA 8" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,265.38	327.09
	For Class 52 Rating, Deduct	-194.68	
	For Class 54 Rating, Add	271.42	
	For Class 55 Rating, Add	406.56	
	For Class 56 Rating, Add	539.93	
40 05 19 00-2702	EA 8" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,433.47	330.46
	For Class 52 Rating, Deduct	-212.60	
	For Class 54 Rating, Add	295.92	
	For Class 55 Rating, Add	443.02	
	For Class 56 Rating, Add	588.19	
40 05 19 00-2703	EA 8" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,601.55	333.84
	For Class 52 Rating, Deduct	-230.53	
	For Class 54 Rating, Add	320.43	
	For Class 55 Rating, Add	479.49	
	For Class 56 Rating, Add	636.45	
40 05 19 00-2704	EA 8" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,769.62	337.21
	For Class 52 Rating, Deduct	-248.46	
	For Class 54 Rating, Add	344.94	
	For Class 55 Rating, Add	515.95	
	For Class 56 Rating, Add	684.71	
40 05 19 00-2705	EA 8" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,937.70	340.58
	For Class 52 Rating, Deduct	-266.38	
	For Class 54 Rating, Add	369.44	
	For Class 55 Rating, Add	552.42	
	For Class 56 Rating, Add	732.97	
40 05 19 00-2706	EA 8" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,105.77	343.95
	For Class 52 Rating, Deduct	-284.31	
	For Class 54 Rating, Add	393.95	
	For Class 55 Rating, Add	588.88	
	For Class 56 Rating, Add	781.23	
40 05 19 00-2707	EA 8" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,273.86	347.32
	For Class 52 Rating, Deduct	-302.24	
	For Class 54 Rating, Add	418.46	
	For Class 55 Rating, Add	625.35	
	For Class 56 Rating, Add	829.49	
40 05 19 00-2708	EA 8" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,441.93	350.69
	For Class 52 Rating, Deduct	-320.16	
	For Class 54 Rating, Add	442.96	
	For Class 55 Rating, Add	661.81	
	For Class 56 Rating, Add	877.75	
40 05 19 00-2709	EA 8" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,610.01	354.07
	For Class 52 Rating, Deduct	-338.09	
	For Class 54 Rating, Add	467.47	
	For Class 55 Rating, Add	698.28	
	For Class 56 Rating, Add	926.01	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2710	EA	8" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,778.09	357.44
		For Class 52 Rating, Deduct	-356.02	
		For Class 54 Rating, Add	491.98	
		For Class 55 Rating, Add	734.74	
		For Class 56 Rating, Add	974.27	
40 05 19 00-2711	EA	8" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,946.17	360.81
		For Class 52 Rating, Deduct	-373.94	
		For Class 54 Rating, Add	516.48	
		For Class 55 Rating, Add	771.21	
		For Class 56 Rating, Add	1,022.53	
40 05 19 00-2712	EA	8" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,114.24	364.18
		For Class 52 Rating, Deduct	-391.87	
		For Class 54 Rating, Add	540.99	
		For Class 55 Rating, Add	807.67	
		For Class 56 Rating, Add	1,070.79	
40 05 19 00-2713	EA	8" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,282.33	367.55
		For Class 52 Rating, Deduct	-409.80	
		For Class 54 Rating, Add	565.50	
		For Class 55 Rating, Add	844.14	
		For Class 56 Rating, Add	1,119.05	
40 05 19 00-2714	EA	8" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,450.40	370.92
		For Class 52 Rating, Deduct	-427.72	
		For Class 54 Rating, Add	590.00	
		For Class 55 Rating, Add	880.60	
		For Class 56 Rating, Add	1,167.31	
40 05 19 00-2715	EA	8" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,618.49	374.30
		For Class 52 Rating, Deduct	-445.65	
		For Class 54 Rating, Add	614.51	
		For Class 55 Rating, Add	917.07	
		For Class 56 Rating, Add	1,215.57	
40 05 19 00-2716	EA	8" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,786.57	377.67
		For Class 52 Rating, Deduct	-463.58	
		For Class 54 Rating, Add	639.02	
		For Class 55 Rating, Add	953.53	
		For Class 56 Rating, Add	1,263.83	
40 05 19 00-2717	EA	8" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,954.64	381.04
		For Class 52 Rating, Deduct	-481.50	
		For Class 54 Rating, Add	663.52	
		For Class 55 Rating, Add	990.00	
		For Class 56 Rating, Add	1,312.09	
40 05 19 00-2718	EA	8" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,122.73	384.41
		For Class 52 Rating, Deduct	-499.43	
		For Class 54 Rating, Add	688.03	
		For Class 55 Rating, Add	1,026.46	
		For Class 56 Rating, Add	1,360.35	
40 05 19 00-2719	EA	8" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,290.80	387.78
		For Class 52 Rating, Deduct	-517.36	
		For Class 54 Rating, Add	712.54	
		For Class 55 Rating, Add	1,062.93	
		For Class 56 Rating, Add	1,408.61	
40 05 19 00-2720	EA	8" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,458.89	391.15
		For Class 52 Rating, Deduct	-535.28	
		For Class 54 Rating, Add	737.05	
		For Class 55 Rating, Add	1,099.39	
		For Class 56 Rating, Add	1,456.87	
40 05 19 00-2721	EA	8" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,626.96	394.53
		For Class 52 Rating, Deduct	-553.21	
		For Class 54 Rating, Add	761.55	
		For Class 55 Rating, Add	1,135.86	
		For Class 56 Rating, Add	1,505.13	
40 05 19 00-2722	EA	8" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,795.04	397.90
		For Class 52 Rating, Deduct	-571.14	
		For Class 54 Rating, Add	786.06	
		For Class 55 Rating, Add	1,172.32	
		For Class 56 Rating, Add	1,553.39	
40 05 19 00-2723	EA	8" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,963.12	401.27
		For Class 52 Rating, Deduct	-589.06	
		For Class 54 Rating, Add	810.57	
		For Class 55 Rating, Add	1,208.79	
		For Class 56 Rating, Add	1,601.65	
40 05 19 00-2724	EA	8" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,131.20	404.64
		For Class 52 Rating, Deduct	-606.99	
		For Class 54 Rating, Add	835.07	
		For Class 55 Rating, Add	1,245.25	
		For Class 56 Rating, Add	1,649.91	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-2725	EA	8" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,299.27	408.01
		For Class 52 Rating, Deduct	-624.92	
		For Class 54 Rating, Add	859.58	
		For Class 55 Rating, Add	1,281.72	
		For Class 56 Rating, Add	1,698.17	
40 05 19 00-2726	EA	8" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,467.36	411.38
		For Class 52 Rating, Deduct	-642.84	
		For Class 54 Rating, Add	884.09	
		For Class 55 Rating, Add	1,318.18	
		For Class 56 Rating, Add	1,746.43	
40 05 19 00-2727	EA	8" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,635.43	414.77
		For Class 52 Rating, Deduct	-660.77	
		For Class 54 Rating, Add	908.59	
		For Class 55 Rating, Add	1,354.65	
		For Class 56 Rating, Add	1,794.69	
40 05 19 00-2728	EA	8" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,803.51	418.14
		For Class 52 Rating, Deduct	-678.70	
		For Class 54 Rating, Add	933.10	
		For Class 55 Rating, Add	1,391.11	
		For Class 56 Rating, Add	1,842.95	
40 05 19 00-2729	EA	8" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,971.60	421.51
		For Class 52 Rating, Deduct	-696.62	
		For Class 54 Rating, Add	957.61	
		For Class 55 Rating, Add	1,427.58	
		For Class 56 Rating, Add	1,891.21	
40 05 19 00-2730	EA	8" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,139.67	424.88
		For Class 52 Rating, Deduct	-714.55	
		For Class 54 Rating, Add	982.11	
		For Class 55 Rating, Add	1,464.04	
		For Class 56 Rating, Add	1,939.47	
40 05 19 00-2731	EA	8" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,307.76	428.25
		For Class 52 Rating, Deduct	-732.48	
		For Class 54 Rating, Add	1,006.62	
		For Class 55 Rating, Add	1,500.51	
		For Class 56 Rating, Add	1,987.73	
40 05 19 00-2732	EA	8" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,475.83	431.62
		For Class 52 Rating, Deduct	-750.40	
		For Class 54 Rating, Add	1,031.13	
		For Class 55 Rating, Add	1,536.97	
		For Class 56 Rating, Add	2,035.99	
40 05 19 00-2733	EA	8" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,643.91	435.00
		For Class 52 Rating, Deduct	-768.33	
		For Class 54 Rating, Add	1,055.63	
		For Class 55 Rating, Add	1,573.44	
		For Class 56 Rating, Add	2,084.25	
40 05 19 00-2734	EA	8" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,811.99	438.37
		For Class 52 Rating, Deduct	-786.26	
		For Class 54 Rating, Add	1,080.14	
		For Class 55 Rating, Add	1,609.90	
		For Class 56 Rating, Add	2,132.51	

40 05 19 00-2735 10" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe

(40 05 19 00-2614)

40 05 19 00-2736	EA	10" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,790.22	377.67
		For Class 52 Rating, Deduct	-133.98	
		For Class 54 Rating, Add	189.57	
		For Class 55 Rating, Add	285.35	
		For Class 56 Rating, Add	379.91	
40 05 19 00-2737	EA	10" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,006.89	381.04
		For Class 52 Rating, Deduct	-157.25	
		For Class 54 Rating, Add	221.36	
		For Class 55 Rating, Add	332.65	
		For Class 56 Rating, Add	442.50	
40 05 19 00-2738	EA	10" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,223.58	384.41
		For Class 52 Rating, Deduct	-180.52	
		For Class 54 Rating, Add	253.16	
		For Class 55 Rating, Add	379.95	
		For Class 56 Rating, Add	505.10	
40 05 19 00-2739	EA	10" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,440.26	387.78
		For Class 52 Rating, Deduct	-203.80	
		For Class 54 Rating, Add	284.96	
		For Class 55 Rating, Add	427.26	
		For Class 56 Rating, Add	567.70	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2740	EA		10" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	2,656.95	391.15
			For Class 52 Rating, Deduct	-227.07	
			For Class 54 Rating, Add	316.75	
			For Class 55 Rating, Add	474.56	
			For Class 56 Rating, Add	630.30	
40 05 19 00-2741	EA		10" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	2,873.63	394.53
			For Class 52 Rating, Deduct	-250.34	
			For Class 54 Rating, Add	348.55	
			For Class 55 Rating, Add	521.86	
			For Class 56 Rating, Add	692.90	
40 05 19 00-2742	EA		10" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	3,090.31	397.90
			For Class 52 Rating, Deduct	-273.62	
			For Class 54 Rating, Add	380.35	
			For Class 55 Rating, Add	569.17	
			For Class 56 Rating, Add	755.50	
40 05 19 00-2743	EA		10" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	3,307.00	401.27
			For Class 52 Rating, Deduct	-296.89	
			For Class 54 Rating, Add	412.15	
			For Class 55 Rating, Add	616.47	
			For Class 56 Rating, Add	818.10	
40 05 19 00-2744	EA		10" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	3,523.68	404.64
			For Class 52 Rating, Deduct	-320.16	
			For Class 54 Rating, Add	443.94	
			For Class 55 Rating, Add	663.77	
			For Class 56 Rating, Add	880.69	
40 05 19 00-2745	EA		10" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	3,740.36	408.01
			For Class 52 Rating, Deduct	-343.44	
			For Class 54 Rating, Add	475.74	
			For Class 55 Rating, Add	711.08	
			For Class 56 Rating, Add	943.29	
40 05 19 00-2746	EA		10" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	3,957.05	411.38
			For Class 52 Rating, Deduct	-366.71	
			For Class 54 Rating, Add	507.54	
			For Class 55 Rating, Add	758.38	
			For Class 56 Rating, Add	1,005.89	
40 05 19 00-2747	EA		10" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	4,173.73	414.77
			For Class 52 Rating, Deduct	-389.98	
			For Class 54 Rating, Add	539.34	
			For Class 55 Rating, Add	805.69	
			For Class 56 Rating, Add	1,068.49	
40 05 19 00-2748	EA		10" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	4,390.41	418.14
			For Class 52 Rating, Deduct	-413.26	
			For Class 54 Rating, Add	571.13	
			For Class 55 Rating, Add	852.99	
			For Class 56 Rating, Add	1,131.09	
40 05 19 00-2749	EA		10" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	4,607.11	421.51
			For Class 52 Rating, Deduct	-436.53	
			For Class 54 Rating, Add	602.93	
			For Class 55 Rating, Add	900.29	
			For Class 56 Rating, Add	1,193.69	
40 05 19 00-2750	EA		10" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	4,823.78	424.88
			For Class 52 Rating, Deduct	-459.80	
			For Class 54 Rating, Add	634.73	
			For Class 55 Rating, Add	947.60	
			For Class 56 Rating, Add	1,256.28	
40 05 19 00-2751	EA		10" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	5,040.48	428.25
			For Class 52 Rating, Deduct	-483.08	
			For Class 54 Rating, Add	666.53	
			For Class 55 Rating, Add	994.90	
			For Class 56 Rating, Add	1,318.88	
40 05 19 00-2752	EA		10" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	5,257.15	431.62
			For Class 52 Rating, Deduct	-506.35	
			For Class 54 Rating, Add	698.32	
			For Class 55 Rating, Add	1,042.20	
			For Class 56 Rating, Add	1,381.48	
40 05 19 00-2753	EA		10" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	5,473.84	435.00
			For Class 52 Rating, Deduct	-529.62	
			For Class 54 Rating, Add	730.12	
			For Class 55 Rating, Add	1,089.51	
			For Class 56 Rating, Add	1,444.08	
40 05 19 00-2754	EA		10" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,690.52	438.37
			For Class 52 Rating, Deduct	-552.90	
			For Class 54 Rating, Add	761.92	
			For Class 55 Rating, Add	1,136.81	
			For Class 56 Rating, Add	1,506.68	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-2755	EA	10" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	5,907.21	441.74
		For Class 52 Rating, Deduct	-576.17	
		For Class 54 Rating, Add	793.72	
		For Class 55 Rating, Add	1,184.12	
		For Class 56 Rating, Add	1,569.28	
40 05 19 00-2756	EA	10" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	6,123.89	445.11
		For Class 52 Rating, Deduct	-599.44	
		For Class 54 Rating, Add	825.51	
		For Class 55 Rating, Add	1,231.42	
		For Class 56 Rating, Add	1,631.88	
40 05 19 00-2757	EA	10" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	6,340.58	448.48
		For Class 52 Rating, Deduct	-622.72	
		For Class 54 Rating, Add	857.31	
		For Class 55 Rating, Add	1,278.72	
		For Class 56 Rating, Add	1,694.48	
40 05 19 00-2758	EA	10" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	6,557.25	451.85
		For Class 52 Rating, Deduct	-645.99	
		For Class 54 Rating, Add	889.11	
		For Class 55 Rating, Add	1,326.03	
		For Class 56 Rating, Add	1,757.07	
40 05 19 00-2759	EA	10" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	6,773.95	455.23
		For Class 52 Rating, Deduct	-669.26	
		For Class 54 Rating, Add	920.91	
		For Class 55 Rating, Add	1,373.33	
		For Class 56 Rating, Add	1,819.67	
40 05 19 00-2760	EA	10" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	6,990.63	458.60
		For Class 52 Rating, Deduct	-692.54	
		For Class 54 Rating, Add	952.71	
		For Class 55 Rating, Add	1,420.64	
		For Class 56 Rating, Add	1,882.27	
40 05 19 00-2761	EA	10" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	7,207.31	461.97
		For Class 52 Rating, Deduct	-715.81	
		For Class 54 Rating, Add	984.50	
		For Class 55 Rating, Add	1,467.94	
		For Class 56 Rating, Add	1,944.87	
40 05 19 00-2762	EA	10" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	7,424.00	465.34
		For Class 52 Rating, Deduct	-739.08	
		For Class 54 Rating, Add	1,016.30	
		For Class 55 Rating, Add	1,515.24	
		For Class 56 Rating, Add	2,007.47	
40 05 19 00-2763	EA	10" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	7,640.68	468.71
		For Class 52 Rating, Deduct	-762.36	
		For Class 54 Rating, Add	1,048.10	
		For Class 55 Rating, Add	1,562.55	
		For Class 56 Rating, Add	2,070.07	
40 05 19 00-2764	EA	10" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	7,857.36	472.08
		For Class 52 Rating, Deduct	-785.63	
		For Class 54 Rating, Add	1,079.90	
		For Class 55 Rating, Add	1,609.85	
		For Class 56 Rating, Add	2,132.66	
40 05 19 00-2765	EA	10" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	8,074.05	475.46
		For Class 52 Rating, Deduct	-808.90	
		For Class 54 Rating, Add	1,111.69	
		For Class 55 Rating, Add	1,657.16	
		For Class 56 Rating, Add	2,195.26	
40 05 19 00-2766	EA	10" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	8,290.73	478.83
		For Class 52 Rating, Deduct	-832.18	
		For Class 54 Rating, Add	1,143.49	
		For Class 55 Rating, Add	1,704.46	
		For Class 56 Rating, Add	2,257.86	
40 05 19 00-2767	EA	10" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	8,507.42	482.20
		For Class 52 Rating, Deduct	-855.45	
		For Class 54 Rating, Add	1,175.29	
		For Class 55 Rating, Add	1,751.76	
		For Class 56 Rating, Add	2,320.46	
40 05 19 00-2768	EA	10" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	8,724.10	485.57
		For Class 52 Rating, Deduct	-878.72	
		For Class 54 Rating, Add	1,207.09	
		For Class 55 Rating, Add	1,799.07	
		For Class 56 Rating, Add	2,383.06	
40 05 19 00-2769	EA	10" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	8,940.78	488.94
		For Class 52 Rating, Deduct	-902.00	
		For Class 54 Rating, Add	1,238.88	
		For Class 55 Rating, Add	1,846.37	
		For Class 56 Rating, Add	2,445.66	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2770	EA		10" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,157.47	492.31
			For Class 52 Rating, Deduct.....	-925.27	
			For Class 54 Rating, Add.....	1,270.68	
			For Class 55 Rating, Add.....	1,893.67	
			For Class 56 Rating, Add.....	2,508.26	
40 05 19 00-2771	EA		10" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,374.15	495.69
			For Class 52 Rating, Deduct.....	-948.54	
			For Class 54 Rating, Add.....	1,302.48	
			For Class 55 Rating, Add.....	1,940.98	
			For Class 56 Rating, Add.....	2,570.85	
40 05 19 00-2772	EA		10" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,590.84	499.06
			For Class 52 Rating, Deduct.....	-971.81	
			For Class 54 Rating, Add.....	1,334.28	
			For Class 55 Rating, Add.....	1,988.28	
			For Class 56 Rating, Add.....	2,633.45	
40 05 19 00-2773	EA		10" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,807.53	502.43
			For Class 52 Rating, Deduct.....	-995.09	
			For Class 54 Rating, Add.....	1,366.07	
			For Class 55 Rating, Add.....	2,035.59	
			For Class 56 Rating, Add.....	2,696.05	
40 05 19 00-2774	EA		10" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,024.20	505.81
			For Class 52 Rating, Deduct.....	-1,018.36	
			For Class 54 Rating, Add.....	1,397.87	
			For Class 55 Rating, Add.....	2,082.89	
			For Class 56 Rating, Add.....	2,758.65	
40 05 19 00-2775 12" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-2614)					
40 05 19 00-2776	EA		12" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,316.39	472.08
			For Class 52 Rating, Deduct.....	-176.12	
			For Class 54 Rating, Add.....	248.75	
			For Class 55 Rating, Add.....	374.21	
			For Class 56 Rating, Add.....	498.08	
40 05 19 00-2777	EA		12" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,584.54	475.46
			For Class 52 Rating, Deduct.....	-205.06	
			For Class 54 Rating, Add.....	288.27	
			For Class 55 Rating, Add.....	432.99	
			For Class 56 Rating, Add.....	575.86	
40 05 19 00-2778	EA		12" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,852.69	478.83
			For Class 52 Rating, Deduct.....	-233.99	
			For Class 54 Rating, Add.....	327.78	
			For Class 55 Rating, Add.....	491.78	
			For Class 56 Rating, Add.....	653.64	
40 05 19 00-2779	EA		12" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,120.83	482.20
			For Class 52 Rating, Deduct.....	-262.92	
			For Class 54 Rating, Add.....	367.30	
			For Class 55 Rating, Add.....	550.55	
			For Class 56 Rating, Add.....	731.42	
40 05 19 00-2780	EA		12" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,388.98	485.57
			For Class 52 Rating, Deduct.....	-291.86	
			For Class 54 Rating, Add.....	406.82	
			For Class 55 Rating, Add.....	609.33	
			For Class 56 Rating, Add.....	809.20	
40 05 19 00-2781	EA		12" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,657.12	488.94
			For Class 52 Rating, Deduct.....	-320.79	
			For Class 54 Rating, Add.....	446.33	
			For Class 55 Rating, Add.....	668.11	
			For Class 56 Rating, Add.....	886.98	
40 05 19 00-2782	EA		12" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,925.28	492.31
			For Class 52 Rating, Deduct.....	-349.73	
			For Class 54 Rating, Add.....	485.85	
			For Class 55 Rating, Add.....	726.90	
			For Class 56 Rating, Add.....	964.76	
40 05 19 00-2783	EA		12" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,193.42	495.69
			For Class 52 Rating, Deduct.....	-378.66	
			For Class 54 Rating, Add.....	525.37	
			For Class 55 Rating, Add.....	785.68	
			For Class 56 Rating, Add.....	1,042.54	
40 05 19 00-2784	EA		12" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,461.58	499.06
			For Class 52 Rating, Deduct.....	-407.60	
			For Class 54 Rating, Add.....	564.89	
			For Class 55 Rating, Add.....	844.46	
			For Class 56 Rating, Add.....	1,120.32	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-2785	EA	12" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,729.73	502.43
		For Class 52 Rating, Deduct.....	-436.53	
		For Class 54 Rating, Add.....	604.40	
		For Class 55 Rating, Add.....	903.24	
		For Class 56 Rating, Add.....	1,198.10	
40 05 19 00-2786	EA	12" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,997.87	505.81
		For Class 52 Rating, Deduct.....	-465.47	
		For Class 54 Rating, Add.....	643.92	
		For Class 55 Rating, Add.....	962.02	
		For Class 56 Rating, Add.....	1,275.88	
40 05 19 00-2787	EA	12" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,266.03	509.18
		For Class 52 Rating, Deduct.....	-494.40	
		For Class 54 Rating, Add.....	683.44	
		For Class 55 Rating, Add.....	1,020.80	
		For Class 56 Rating, Add.....	1,353.66	
40 05 19 00-2788	EA	12" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,534.17	512.55
		For Class 52 Rating, Deduct.....	-523.33	
		For Class 54 Rating, Add.....	722.96	
		For Class 55 Rating, Add.....	1,079.58	
		For Class 56 Rating, Add.....	1,431.44	
40 05 19 00-2789	EA	12" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,802.31	515.93
		For Class 52 Rating, Deduct.....	-552.27	
		For Class 54 Rating, Add.....	762.47	
		For Class 55 Rating, Add.....	1,138.36	
		For Class 56 Rating, Add.....	1,509.22	
40 05 19 00-2790	EA	12" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,070.46	519.30
		For Class 52 Rating, Deduct.....	-581.20	
		For Class 54 Rating, Add.....	801.99	
		For Class 55 Rating, Add.....	1,197.14	
		For Class 56 Rating, Add.....	1,587.00	
40 05 19 00-2791	EA	12" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,338.61	522.67
		For Class 52 Rating, Deduct.....	-610.14	
		For Class 54 Rating, Add.....	841.51	
		For Class 55 Rating, Add.....	1,255.92	
		For Class 56 Rating, Add.....	1,664.78	
40 05 19 00-2792	EA	12" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,606.75	526.04
		For Class 52 Rating, Deduct.....	-639.07	
		For Class 54 Rating, Add.....	881.02	
		For Class 55 Rating, Add.....	1,314.70	
		For Class 56 Rating, Add.....	1,742.56	
40 05 19 00-2793	EA	12" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,874.91	529.41
		For Class 52 Rating, Deduct.....	-668.00	
		For Class 54 Rating, Add.....	920.54	
		For Class 55 Rating, Add.....	1,373.48	
		For Class 56 Rating, Add.....	1,820.34	
40 05 19 00-2794	EA	12" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,143.05	532.78
		For Class 52 Rating, Deduct.....	-696.94	
		For Class 54 Rating, Add.....	960.06	
		For Class 55 Rating, Add.....	1,432.26	
		For Class 56 Rating, Add.....	1,898.12	
40 05 19 00-2795	EA	12" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,411.21	536.16
		For Class 52 Rating, Deduct.....	-725.87	
		For Class 54 Rating, Add.....	999.58	
		For Class 55 Rating, Add.....	1,491.04	
		For Class 56 Rating, Add.....	1,975.91	
40 05 19 00-2796	EA	12" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,679.35	539.53
		For Class 52 Rating, Deduct.....	-754.81	
		For Class 54 Rating, Add.....	1,039.09	
		For Class 55 Rating, Add.....	1,549.82	
		For Class 56 Rating, Add.....	2,053.69	
40 05 19 00-2797	EA	12" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,947.50	542.90
		For Class 52 Rating, Deduct.....	-783.74	
		For Class 54 Rating, Add.....	1,078.61	
		For Class 55 Rating, Add.....	1,608.60	
		For Class 56 Rating, Add.....	2,131.47	
40 05 19 00-2798	EA	12" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,215.66	546.27
		For Class 52 Rating, Deduct.....	-812.68	
		For Class 54 Rating, Add.....	1,118.13	
		For Class 55 Rating, Add.....	1,667.38	
		For Class 56 Rating, Add.....	2,209.25	
40 05 19 00-2799	EA	12" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,483.80	549.64
		For Class 52 Rating, Deduct.....	-841.61	
		For Class 54 Rating, Add.....	1,157.64	
		For Class 55 Rating, Add.....	1,726.16	
		For Class 56 Rating, Add.....	2,287.03	

MINOR		DESCRIPTION	TOTAL DIRECT		DEMOLITION
CSI	UOM		UNIT	COST	
40 05 19 00-2800	EA	12" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....		8,751.95	553.01
		For Class 52 Rating, Deduct.....		-870.54	
		For Class 54 Rating, Add.....		1,197.16	
		For Class 55 Rating, Add.....		1,784.94	
		For Class 56 Rating, Add.....		2,364.81	
40 05 19 00-2801	EA	12" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....		9,020.09	556.39
		For Class 52 Rating, Deduct.....		-899.48	
		For Class 54 Rating, Add.....		1,236.68	
		For Class 55 Rating, Add.....		1,843.72	
		For Class 56 Rating, Add.....		2,442.59	
40 05 19 00-2802	EA	12" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....		9,288.24	559.76
		For Class 52 Rating, Deduct.....		-928.41	
		For Class 54 Rating, Add.....		1,276.20	
		For Class 55 Rating, Add.....		1,902.50	
		For Class 56 Rating, Add.....		2,520.37	
40 05 19 00-2803	EA	12" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....		9,556.39	563.13
		For Class 52 Rating, Deduct.....		-957.35	
		For Class 54 Rating, Add.....		1,315.71	
		For Class 55 Rating, Add.....		1,961.28	
		For Class 56 Rating, Add.....		2,598.15	
40 05 19 00-2804	EA	12" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....		9,824.54	566.50
		For Class 52 Rating, Deduct.....		-986.28	
		For Class 54 Rating, Add.....		1,355.23	
		For Class 55 Rating, Add.....		2,020.06	
		For Class 56 Rating, Add.....		2,675.93	
40 05 19 00-2805	EA	12" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....		10,092.68	569.87
		For Class 52 Rating, Deduct.....		-1,015.22	
		For Class 54 Rating, Add.....		1,394.75	
		For Class 55 Rating, Add.....		2,078.84	
		For Class 56 Rating, Add.....		2,753.71	
40 05 19 00-2806	EA	12" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....		10,360.84	573.24
		For Class 52 Rating, Deduct.....		-1,044.15	
		For Class 54 Rating, Add.....		1,434.26	
		For Class 55 Rating, Add.....		2,137.62	
		For Class 56 Rating, Add.....		2,831.49	
40 05 19 00-2807	EA	12" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....		10,628.98	576.62
		For Class 52 Rating, Deduct.....		-1,073.09	
		For Class 54 Rating, Add.....		1,473.78	
		For Class 55 Rating, Add.....		2,196.40	
		For Class 56 Rating, Add.....		2,909.27	
40 05 19 00-2808	EA	12" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....		10,897.13	579.99
		For Class 52 Rating, Deduct.....		-1,102.02	
		For Class 54 Rating, Add.....		1,513.30	
		For Class 55 Rating, Add.....		2,255.18	
		For Class 56 Rating, Add.....		2,987.05	
40 05 19 00-2809	EA	12" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....		11,165.29	583.36
		For Class 52 Rating, Deduct.....		-1,130.95	
		For Class 54 Rating, Add.....		1,552.82	
		For Class 55 Rating, Add.....		2,313.97	
		For Class 56 Rating, Add.....		3,064.83	
40 05 19 00-2810	EA	12" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....		11,433.42	586.73
		For Class 52 Rating, Deduct.....		-1,159.89	
		For Class 54 Rating, Add.....		1,592.33	
		For Class 55 Rating, Add.....		2,372.74	
		For Class 56 Rating, Add.....		3,142.61	
40 05 19 00-2811	EA	12" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....		11,701.58	590.10
		For Class 52 Rating, Deduct.....		-1,188.82	
		For Class 54 Rating, Add.....		1,631.85	
		For Class 55 Rating, Add.....		2,431.52	
		For Class 56 Rating, Add.....		3,220.39	
40 05 19 00-2812	EA	12" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....		11,969.72	593.47
		For Class 52 Rating, Deduct.....		-1,217.76	
		For Class 54 Rating, Add.....		1,671.37	
		For Class 55 Rating, Add.....		2,490.30	
		For Class 56 Rating, Add.....		3,298.17	
40 05 19 00-2813	EA	12" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....		12,237.87	596.86
		For Class 52 Rating, Deduct.....		-1,246.69	
		For Class 54 Rating, Add.....		1,710.88	
		For Class 55 Rating, Add.....		2,549.09	
		For Class 56 Rating, Add.....		3,375.95	
40 05 19 00-2814	EA	12" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....		12,506.02	600.23
		For Class 52 Rating, Deduct.....		-1,275.62	
		For Class 54 Rating, Add.....		1,750.40	
		For Class 55 Rating, Add.....		2,607.87	
		For Class 56 Rating, Add.....		3,453.73	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-2815	EA	14" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-2614)		
40 05 19 00-2816	EA	14" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,219.97	566.50
		For Class 52 Rating, Deduct	-259.78	
		For Class 54 Rating, Add	364.54	
		For Class 55 Rating, Add	547.24	
		For Class 56 Rating, Add	727.58	
40 05 19 00-2817	EA	14" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,545.29	569.87
		For Class 52 Rating, Deduct	-295.00	
		For Class 54 Rating, Add	412.64	
		For Class 55 Rating, Add	618.78	
		For Class 56 Rating, Add	822.23	
40 05 19 00-2818	EA	14" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,870.64	573.24
		For Class 52 Rating, Deduct	-330.23	
		For Class 54 Rating, Add	460.73	
		For Class 55 Rating, Add	690.31	
		For Class 56 Rating, Add	916.88	
40 05 19 00-2819	EA	14" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,195.96	576.62
		For Class 52 Rating, Deduct	-365.45	
		For Class 54 Rating, Add	508.83	
		For Class 55 Rating, Add	761.84	
		For Class 56 Rating, Add	1,011.53	
40 05 19 00-2820	EA	14" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,521.29	579.99
		For Class 52 Rating, Deduct	-400.68	
		For Class 54 Rating, Add	556.92	
		For Class 55 Rating, Add	833.37	
		For Class 56 Rating, Add	1,106.18	
40 05 19 00-2821	EA	14" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,846.63	583.36
		For Class 52 Rating, Deduct	-435.90	
		For Class 54 Rating, Add	605.02	
		For Class 55 Rating, Add	904.90	
		For Class 56 Rating, Add	1,200.83	
40 05 19 00-2822	EA	14" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,171.95	586.73
		For Class 52 Rating, Deduct	-471.13	
		For Class 54 Rating, Add	653.11	
		For Class 55 Rating, Add	976.44	
		For Class 56 Rating, Add	1,295.48	
40 05 19 00-2823	EA	14" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,497.29	590.10
		For Class 52 Rating, Deduct	-506.35	
		For Class 54 Rating, Add	701.21	
		For Class 55 Rating, Add	1,047.97	
		For Class 56 Rating, Add	1,390.13	
40 05 19 00-2824	EA	14" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,822.61	593.47
		For Class 52 Rating, Deduct	-541.57	
		For Class 54 Rating, Add	749.30	
		For Class 55 Rating, Add	1,119.50	
		For Class 56 Rating, Add	1,484.77	
40 05 19 00-2825	EA	14" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,147.95	596.86
		For Class 52 Rating, Deduct	-576.80	
		For Class 54 Rating, Add	797.40	
		For Class 55 Rating, Add	1,191.03	
		For Class 56 Rating, Add	1,579.43	
40 05 19 00-2826	EA	14" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,473.28	600.23
		For Class 52 Rating, Deduct	-612.02	
		For Class 54 Rating, Add	845.49	
		For Class 55 Rating, Add	1,262.56	
		For Class 56 Rating, Add	1,674.08	
40 05 19 00-2827	EA	14" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,798.61	603.60
		For Class 52 Rating, Deduct	-647.25	
		For Class 54 Rating, Add	893.58	
		For Class 55 Rating, Add	1,334.10	
		For Class 56 Rating, Add	1,768.72	
40 05 19 00-2828	EA	14" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,123.94	606.97
		For Class 52 Rating, Deduct	-682.47	
		For Class 54 Rating, Add	941.68	
		For Class 55 Rating, Add	1,405.63	
		For Class 56 Rating, Add	1,863.37	
40 05 19 00-2829	EA	14" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,449.27	610.34
		For Class 52 Rating, Deduct	-717.70	
		For Class 54 Rating, Add	989.77	
		For Class 55 Rating, Add	1,477.16	
		For Class 56 Rating, Add	1,958.02	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2830	EA		14" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,774.59	613.71
			For Class 52 Rating, Deduct	-752.92	
			For Class 54 Rating, Add	1,037.87	
			For Class 55 Rating, Add	1,548.69	
			For Class 56 Rating, Add	2,052.67	
40 05 19 00-2831	EA		14" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,099.93	617.09
			For Class 52 Rating, Deduct	-788.14	
			For Class 54 Rating, Add	1,085.96	
			For Class 55 Rating, Add	1,620.22	
			For Class 56 Rating, Add	2,147.32	
40 05 19 00-2832	EA		14" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,425.26	620.46
			For Class 52 Rating, Deduct	-823.37	
			For Class 54 Rating, Add	1,134.06	
			For Class 55 Rating, Add	1,691.76	
			For Class 56 Rating, Add	2,241.97	
40 05 19 00-2833	EA		14" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,750.59	623.83
			For Class 52 Rating, Deduct	-858.59	
			For Class 54 Rating, Add	1,182.15	
			For Class 55 Rating, Add	1,763.29	
			For Class 56 Rating, Add	2,336.62	
40 05 19 00-2834	EA		14" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,075.93	627.20
			For Class 52 Rating, Deduct	-893.82	
			For Class 54 Rating, Add	1,230.25	
			For Class 55 Rating, Add	1,834.82	
			For Class 56 Rating, Add	2,431.27	
40 05 19 00-2835	EA		14" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,401.25	630.57
			For Class 52 Rating, Deduct	-929.04	
			For Class 54 Rating, Add	1,278.34	
			For Class 55 Rating, Add	1,906.35	
			For Class 56 Rating, Add	2,525.92	
40 05 19 00-2836	EA		14" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,726.58	633.94
			For Class 52 Rating, Deduct	-964.27	
			For Class 54 Rating, Add	1,326.44	
			For Class 55 Rating, Add	1,977.88	
			For Class 56 Rating, Add	2,620.57	
40 05 19 00-2837	EA		14" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,051.91	637.32
			For Class 52 Rating, Deduct	-999.49	
			For Class 54 Rating, Add	1,374.53	
			For Class 55 Rating, Add	2,049.42	
			For Class 56 Rating, Add	2,715.22	
40 05 19 00-2838	EA		14" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,377.24	640.69
			For Class 52 Rating, Deduct	-1,034.72	
			For Class 54 Rating, Add	1,422.62	
			For Class 55 Rating, Add	2,120.95	
			For Class 56 Rating, Add	2,809.86	
40 05 19 00-2839	EA		14" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,702.58	644.06
			For Class 52 Rating, Deduct	-1,069.94	
			For Class 54 Rating, Add	1,470.72	
			For Class 55 Rating, Add	2,192.48	
			For Class 56 Rating, Add	2,904.52	
40 05 19 00-2840	EA		14" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,027.91	647.43
			For Class 52 Rating, Deduct	-1,105.16	
			For Class 54 Rating, Add	1,518.81	
			For Class 55 Rating, Add	2,264.01	
			For Class 56 Rating, Add	2,999.16	
40 05 19 00-2841	EA		14" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,353.23	650.80
			For Class 52 Rating, Deduct	-1,140.39	
			For Class 54 Rating, Add	1,566.91	
			For Class 55 Rating, Add	2,335.54	
			For Class 56 Rating, Add	3,093.81	
40 05 19 00-2842	EA		14" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,678.57	654.17
			For Class 52 Rating, Deduct	-1,175.61	
			For Class 54 Rating, Add	1,615.00	
			For Class 55 Rating, Add	2,407.08	
			For Class 56 Rating, Add	3,188.46	
40 05 19 00-2843	EA		14" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,003.89	657.55
			For Class 52 Rating, Deduct	-1,210.84	
			For Class 54 Rating, Add	1,663.10	
			For Class 55 Rating, Add	2,478.61	
			For Class 56 Rating, Add	3,283.11	
40 05 19 00-2844	EA		14" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,329.23	660.92
			For Class 52 Rating, Deduct	-1,246.06	
			For Class 54 Rating, Add	1,711.19	
			For Class 55 Rating, Add	2,550.14	
			For Class 56 Rating, Add	3,377.76	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-2845	EA	14" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,654.55	664.29
		For Class 52 Rating, Deduct	-1,281.29	
		For Class 54 Rating, Add	1,759.29	
		For Class 55 Rating, Add	2,621.67	
		For Class 56 Rating, Add	3,472.41	
40 05 19 00-2846	EA	14" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,979.89	667.66
		For Class 52 Rating, Deduct	-1,316.51	
		For Class 54 Rating, Add	1,807.38	
		For Class 55 Rating, Add	2,693.21	
		For Class 56 Rating, Add	3,567.06	
40 05 19 00-2847	EA	14" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,305.23	671.03
		For Class 52 Rating, Deduct	-1,351.74	
		For Class 54 Rating, Add	1,855.48	
		For Class 55 Rating, Add	2,764.74	
		For Class 56 Rating, Add	3,661.71	
40 05 19 00-2848	EA	14" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,630.55	674.41
		For Class 52 Rating, Deduct	-1,386.96	
		For Class 54 Rating, Add	1,903.57	
		For Class 55 Rating, Add	2,836.27	
		For Class 56 Rating, Add	3,756.36	
40 05 19 00-2849	EA	14" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,955.88	677.78
		For Class 52 Rating, Deduct	-1,422.18	
		For Class 54 Rating, Add	1,951.66	
		For Class 55 Rating, Add	2,907.80	
		For Class 56 Rating, Add	3,851.01	
40 05 19 00-2850	EA	14" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,281.21	681.15
		For Class 52 Rating, Deduct	-1,457.41	
		For Class 54 Rating, Add	1,999.76	
		For Class 55 Rating, Add	2,979.33	
		For Class 56 Rating, Add	3,945.66	
40 05 19 00-2851	EA	14" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,606.54	684.52
		For Class 52 Rating, Deduct	-1,492.63	
		For Class 54 Rating, Add	2,047.85	
		For Class 55 Rating, Add	3,050.86	
		For Class 56 Rating, Add	4,040.30	
40 05 19 00-2852	EA	14" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,931.86	687.90
		For Class 52 Rating, Deduct	-1,527.86	
		For Class 54 Rating, Add	2,095.95	
		For Class 55 Rating, Add	3,122.40	
		For Class 56 Rating, Add	4,134.95	
40 05 19 00-2853	EA	14" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,257.21	691.27
		For Class 52 Rating, Deduct	-1,563.08	
		For Class 54 Rating, Add	2,144.04	
		For Class 55 Rating, Add	3,193.93	
		For Class 56 Rating, Add	4,229.61	

40 05 19 00-2854 16" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe

(40 05 19 00-2814)

40 05 19 00-2855	EA	16" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,768.60	647.43
		For Class 52 Rating, Deduct	-306.64	
		For Class 54 Rating, Add	429.92	
		For Class 55 Rating, Add	645.19	
		For Class 56 Rating, Add	857.67	
40 05 19 00-2856	EA	16" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,145.39	650.80
		For Class 52 Rating, Deduct	-347.53	
		For Class 54 Rating, Add	485.73	
		For Class 55 Rating, Add	728.20	
		For Class 56 Rating, Add	967.50	
40 05 19 00-2857	EA	16" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,522.19	654.17
		For Class 52 Rating, Deduct	-388.41	
		For Class 54 Rating, Add	541.55	
		For Class 55 Rating, Add	811.20	
		For Class 56 Rating, Add	1,077.33	
40 05 19 00-2858	EA	16" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,898.98	657.55
		For Class 52 Rating, Deduct	-429.30	
		For Class 54 Rating, Add	597.36	
		For Class 55 Rating, Add	894.21	
		For Class 56 Rating, Add	1,187.16	
40 05 19 00-2859	EA	16" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,275.78	660.92
		For Class 52 Rating, Deduct	-470.18	
		For Class 54 Rating, Add	653.17	
		For Class 55 Rating, Add	977.22	
		For Class 56 Rating, Add	1,296.99	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2860	EA		16" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	5,652.57	664.29
			For Class 52 Rating, Deduct	-511.07	
			For Class 54 Rating, Add	708.99	
			For Class 55 Rating, Add	1,060.23	
			For Class 56 Rating, Add	1,406.82	
40 05 19 00-2861	EA		16" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	6,029.37	667.66
			For Class 52 Rating, Deduct	-551.95	
			For Class 54 Rating, Add	764.80	
			For Class 55 Rating, Add	1,143.24	
			For Class 56 Rating, Add	1,516.66	
40 05 19 00-2862	EA		16" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	6,406.17	671.03
			For Class 52 Rating, Deduct	-592.84	
			For Class 54 Rating, Add	820.62	
			For Class 55 Rating, Add	1,226.25	
			For Class 56 Rating, Add	1,626.49	
40 05 19 00-2863	EA		16" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	6,782.96	674.41
			For Class 52 Rating, Deduct	-633.72	
			For Class 54 Rating, Add	876.43	
			For Class 55 Rating, Add	1,309.26	
			For Class 56 Rating, Add	1,736.32	
40 05 19 00-2864	EA		16" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	7,159.75	677.78
			For Class 52 Rating, Deduct	-674.61	
			For Class 54 Rating, Add	932.24	
			For Class 55 Rating, Add	1,392.26	
			For Class 56 Rating, Add	1,846.15	
40 05 19 00-2865	EA		16" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	7,536.55	681.15
			For Class 52 Rating, Deduct	-715.50	
			For Class 54 Rating, Add	988.06	
			For Class 55 Rating, Add	1,475.27	
			For Class 56 Rating, Add	1,955.98	
40 05 19 00-2866	EA		16" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	7,913.34	684.52
			For Class 52 Rating, Deduct	-756.38	
			For Class 54 Rating, Add	1,043.87	
			For Class 55 Rating, Add	1,558.28	
			For Class 56 Rating, Add	2,065.81	
40 05 19 00-2867	EA		16" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	8,290.13	687.90
			For Class 52 Rating, Deduct	-797.27	
			For Class 54 Rating, Add	1,099.69	
			For Class 55 Rating, Add	1,641.29	
			For Class 56 Rating, Add	2,175.64	
40 05 19 00-2868	EA		16" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	8,666.93	691.27
			For Class 52 Rating, Deduct	-838.15	
			For Class 54 Rating, Add	1,155.50	
			For Class 55 Rating, Add	1,724.30	
			For Class 56 Rating, Add	2,285.47	
40 05 19 00-2869	EA		16" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	9,043.72	694.65
			For Class 52 Rating, Deduct	-879.04	
			For Class 54 Rating, Add	1,211.32	
			For Class 55 Rating, Add	1,807.31	
			For Class 56 Rating, Add	2,395.31	
40 05 19 00-2870	EA		16" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	9,420.53	698.02
			For Class 52 Rating, Deduct	-919.92	
			For Class 54 Rating, Add	1,267.13	
			For Class 55 Rating, Add	1,890.32	
			For Class 56 Rating, Add	2,505.14	
40 05 19 00-2871	EA		16" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	9,797.31	701.39
			For Class 52 Rating, Deduct	-960.81	
			For Class 54 Rating, Add	1,322.94	
			For Class 55 Rating, Add	1,973.32	
			For Class 56 Rating, Add	2,614.97	
40 05 19 00-2872	EA		16" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	10,174.11	704.76
			For Class 52 Rating, Deduct	-1,001.69	
			For Class 54 Rating, Add	1,378.76	
			For Class 55 Rating, Add	2,056.33	
			For Class 56 Rating, Add	2,724.80	
40 05 19 00-2873	EA		16" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,550.91	708.13
			For Class 52 Rating, Deduct	-1,042.58	
			For Class 54 Rating, Add	1,434.57	
			For Class 55 Rating, Add	2,139.34	
			For Class 56 Rating, Add	2,834.63	
40 05 19 00-2874	EA		16" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,927.70	711.50
			For Class 52 Rating, Deduct	-1,083.46	
			For Class 54 Rating, Add	1,490.39	
			For Class 55 Rating, Add	2,222.35	
			For Class 56 Rating, Add	2,944.46	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-2875	EA	16" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	11,304.50	714.88
		For Class 52 Rating, Deduct	-1,124.35	
		For Class 54 Rating, Add	1,546.20	
		For Class 55 Rating, Add	2,305.36	
		For Class 56 Rating, Add	3,054.29	
40 05 19 00-2876	EA	16" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	11,681.29	718.25
		For Class 52 Rating, Deduct	-1,165.23	
		For Class 54 Rating, Add	1,602.02	
		For Class 55 Rating, Add	2,388.37	
		For Class 56 Rating, Add	3,164.12	
40 05 19 00-2877	EA	16" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	12,058.09	721.62
		For Class 52 Rating, Deduct	-1,206.12	
		For Class 54 Rating, Add	1,657.83	
		For Class 55 Rating, Add	2,471.38	
		For Class 56 Rating, Add	3,273.96	
40 05 19 00-2878	EA	16" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	12,434.88	724.99
		For Class 52 Rating, Deduct	-1,247.01	
		For Class 54 Rating, Add	1,713.64	
		For Class 55 Rating, Add	2,554.38	
		For Class 56 Rating, Add	3,383.79	
40 05 19 00-2879	EA	16" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	12,811.68	728.36
		For Class 52 Rating, Deduct	-1,287.89	
		For Class 54 Rating, Add	1,769.46	
		For Class 55 Rating, Add	2,637.39	
		For Class 56 Rating, Add	3,493.62	
40 05 19 00-2880	EA	16" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	13,188.46	731.73
		For Class 52 Rating, Deduct	-1,328.78	
		For Class 54 Rating, Add	1,825.27	
		For Class 55 Rating, Add	2,720.40	
		For Class 56 Rating, Add	3,603.45	
40 05 19 00-2881	EA	16" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	13,565.27	735.11
		For Class 52 Rating, Deduct	-1,369.66	
		For Class 54 Rating, Add	1,881.09	
		For Class 55 Rating, Add	2,803.41	
		For Class 56 Rating, Add	3,713.28	
40 05 19 00-2882	EA	16" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	13,942.05	738.48
		For Class 52 Rating, Deduct	-1,410.55	
		For Class 54 Rating, Add	1,936.90	
		For Class 55 Rating, Add	2,886.42	
		For Class 56 Rating, Add	3,823.11	
40 05 19 00-2883	EA	16" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	14,318.85	741.85
		For Class 52 Rating, Deduct	-1,451.43	
		For Class 54 Rating, Add	1,992.71	
		For Class 55 Rating, Add	2,969.43	
		For Class 56 Rating, Add	3,932.94	
40 05 19 00-2884	EA	16" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	14,695.64	745.22
		For Class 52 Rating, Deduct	-1,492.32	
		For Class 54 Rating, Add	2,048.53	
		For Class 55 Rating, Add	3,052.43	
		For Class 56 Rating, Add	4,042.77	
40 05 19 00-2885	EA	16" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	15,072.44	748.59
		For Class 52 Rating, Deduct	-1,533.20	
		For Class 54 Rating, Add	2,104.34	
		For Class 55 Rating, Add	3,135.44	
		For Class 56 Rating, Add	4,152.60	
40 05 19 00-2886	EA	16" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	15,449.25	751.96
		For Class 52 Rating, Deduct	-1,574.09	
		For Class 54 Rating, Add	2,160.16	
		For Class 55 Rating, Add	3,218.45	
		For Class 56 Rating, Add	4,262.44	
40 05 19 00-2887	EA	16" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	15,826.03	755.34
		For Class 52 Rating, Deduct	-1,614.97	
		For Class 54 Rating, Add	2,215.97	
		For Class 55 Rating, Add	3,301.46	
		For Class 56 Rating, Add	4,372.27	
40 05 19 00-2888	EA	16" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	16,202.83	758.71
		For Class 52 Rating, Deduct	-1,655.86	
		For Class 54 Rating, Add	2,271.79	
		For Class 55 Rating, Add	3,384.47	
		For Class 56 Rating, Add	4,482.10	
40 05 19 00-2889	EA	16" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	16,579.62	762.08
		For Class 52 Rating, Deduct	-1,696.74	
		For Class 54 Rating, Add	2,327.60	
		For Class 55 Rating, Add	3,467.48	
		For Class 56 Rating, Add	4,591.93	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2890	EA	16" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	16,956.42	765.45
		For Class 52 Rating, Deduct.....	-1,737.63	
		For Class 54 Rating, Add.....	2,383.41	
		For Class 55 Rating, Add.....	3,550.49	
		For Class 56 Rating, Add.....	4,701.76	
40 05 19 00-2891	EA	16" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	17,333.21	768.82
		For Class 52 Rating, Deduct.....	-1,778.52	
		For Class 54 Rating, Add.....	2,439.23	
		For Class 55 Rating, Add.....	3,633.49	
		For Class 56 Rating, Add.....	4,811.59	
40 05 19 00-2892	EA	16" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	17,710.01	772.19
		For Class 52 Rating, Deduct.....	-1,819.40	
		For Class 54 Rating, Add.....	2,495.04	
		For Class 55 Rating, Add.....	3,716.50	
		For Class 56 Rating, Add.....	4,921.42	
 40 05 19 00-2893 18" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-2614)				
40 05 19 00-2894	EA	18" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,407.90	729.72
		For Class 52 Rating, Deduct.....	-363.25	
		For Class 54 Rating, Add.....	508.61	
		For Class 55 Rating, Add.....	762.94	
		For Class 56 Rating, Add.....	1,013.97	
40 05 19 00-2895	EA	18" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,841.88	733.09
		For Class 52 Rating, Deduct.....	-410.43	
		For Class 54 Rating, Add.....	573.00	
		For Class 55 Rating, Add.....	858.70	
		For Class 56 Rating, Add.....	1,140.68	
40 05 19 00-2896	EA	18" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,275.86	736.46
		For Class 52 Rating, Deduct.....	-457.60	
		For Class 54 Rating, Add.....	637.39	
		For Class 55 Rating, Add.....	954.46	
		For Class 56 Rating, Add.....	1,267.38	
40 05 19 00-2897	EA	18" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,709.84	739.83
		For Class 52 Rating, Deduct.....	-504.78	
		For Class 54 Rating, Add.....	701.78	
		For Class 55 Rating, Add.....	1,050.23	
		For Class 56 Rating, Add.....	1,394.08	
40 05 19 00-2898	EA	18" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,143.81	743.20
		For Class 52 Rating, Deduct.....	-551.95	
		For Class 54 Rating, Add.....	766.18	
		For Class 55 Rating, Add.....	1,145.99	
		For Class 56 Rating, Add.....	1,520.78	
40 05 19 00-2899	EA	18" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,577.79	746.58
		For Class 52 Rating, Deduct.....	-599.13	
		For Class 54 Rating, Add.....	830.57	
		For Class 55 Rating, Add.....	1,241.74	
		For Class 56 Rating, Add.....	1,647.48	
40 05 19 00-2900	EA	18" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,011.76	749.95
		For Class 52 Rating, Deduct.....	-646.30	
		For Class 54 Rating, Add.....	894.96	
		For Class 55 Rating, Add.....	1,337.50	
		For Class 56 Rating, Add.....	1,774.18	
40 05 19 00-2901	EA	18" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,445.75	753.32
		For Class 52 Rating, Deduct.....	-693.48	
		For Class 54 Rating, Add.....	959.35	
		For Class 55 Rating, Add.....	1,433.27	
		For Class 56 Rating, Add.....	1,900.88	
40 05 19 00-2902	EA	18" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,879.72	756.69
		For Class 52 Rating, Deduct.....	-740.66	
		For Class 54 Rating, Add.....	1,023.74	
		For Class 55 Rating, Add.....	1,529.03	
		For Class 56 Rating, Add.....	2,027.58	
40 05 19 00-2903	EA	18" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,313.70	760.06
		For Class 52 Rating, Deduct.....	-787.83	
		For Class 54 Rating, Add.....	1,088.13	
		For Class 55 Rating, Add.....	1,624.79	
		For Class 56 Rating, Add.....	2,154.28	
40 05 19 00-2904	EA	18" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,747.68	763.43
		For Class 52 Rating, Deduct.....	-835.01	
		For Class 54 Rating, Add.....	1,152.52	
		For Class 55 Rating, Add.....	1,720.55	
		For Class 56 Rating, Add.....	2,280.98	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-2905	EA	18" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,181.65	766.81
		For Class 52 Rating, Deduct.....	-882.18	
		For Class 54 Rating, Add.....	1,216.92	
		For Class 55 Rating, Add.....	1,816.31	
		For Class 56 Rating, Add.....	2,407.68	
40 05 19 00-2906	EA	18" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,615.63	770.18
		For Class 52 Rating, Deduct.....	-929.36	
		For Class 54 Rating, Add.....	1,281.31	
		For Class 55 Rating, Add.....	1,912.07	
		For Class 56 Rating, Add.....	2,534.38	
40 05 19 00-2907	EA	18" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,049.61	773.55
		For Class 52 Rating, Deduct.....	-976.53	
		For Class 54 Rating, Add.....	1,345.70	
		For Class 55 Rating, Add.....	2,007.83	
		For Class 56 Rating, Add.....	2,661.08	
40 05 19 00-2908	EA	18" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,483.59	776.92
		For Class 52 Rating, Deduct.....	-1,023.71	
		For Class 54 Rating, Add.....	1,410.09	
		For Class 55 Rating, Add.....	2,103.59	
		For Class 56 Rating, Add.....	2,787.78	
40 05 19 00-2909	EA	18" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,917.56	780.29
		For Class 52 Rating, Deduct.....	-1,070.88	
		For Class 54 Rating, Add.....	1,474.48	
		For Class 55 Rating, Add.....	2,199.35	
		For Class 56 Rating, Add.....	2,914.47	
40 05 19 00-2910	EA	18" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,351.54	783.66
		For Class 52 Rating, Deduct.....	-1,118.06	
		For Class 54 Rating, Add.....	1,538.87	
		For Class 55 Rating, Add.....	2,295.11	
		For Class 56 Rating, Add.....	3,041.18	
40 05 19 00-2911	EA	18" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,785.51	787.04
		For Class 52 Rating, Deduct.....	-1,165.23	
		For Class 54 Rating, Add.....	1,603.27	
		For Class 55 Rating, Add.....	2,390.87	
		For Class 56 Rating, Add.....	3,167.88	
40 05 19 00-2912	EA	18" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,219.50	790.41
		For Class 52 Rating, Deduct.....	-1,212.41	
		For Class 54 Rating, Add.....	1,667.66	
		For Class 55 Rating, Add.....	2,486.63	
		For Class 56 Rating, Add.....	3,294.58	
40 05 19 00-2913	EA	18" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,653.47	793.79
		For Class 52 Rating, Deduct.....	-1,259.59	
		For Class 54 Rating, Add.....	1,732.05	
		For Class 55 Rating, Add.....	2,582.39	
		For Class 56 Rating, Add.....	3,421.28	
40 05 19 00-2914	EA	18" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,087.44	797.16
		For Class 52 Rating, Deduct.....	-1,306.76	
		For Class 54 Rating, Add.....	1,796.44	
		For Class 55 Rating, Add.....	2,678.15	
		For Class 56 Rating, Add.....	3,547.97	
40 05 19 00-2915	EA	18" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,521.43	800.53
		For Class 52 Rating, Deduct.....	-1,353.94	
		For Class 54 Rating, Add.....	1,860.83	
		For Class 55 Rating, Add.....	2,773.91	
		For Class 56 Rating, Add.....	3,674.68	
40 05 19 00-2916	EA	18" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,955.40	803.90
		For Class 52 Rating, Deduct.....	-1,401.11	
		For Class 54 Rating, Add.....	1,925.22	
		For Class 55 Rating, Add.....	2,869.67	
		For Class 56 Rating, Add.....	3,801.38	
40 05 19 00-2917	EA	18" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,389.39	807.28
		For Class 52 Rating, Deduct.....	-1,448.29	
		For Class 54 Rating, Add.....	1,989.62	
		For Class 55 Rating, Add.....	2,965.43	
		For Class 56 Rating, Add.....	3,928.08	
40 05 19 00-2918	EA	18" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,823.36	810.65
		For Class 52 Rating, Deduct.....	-1,495.46	
		For Class 54 Rating, Add.....	2,054.01	
		For Class 55 Rating, Add.....	3,061.19	
		For Class 56 Rating, Add.....	4,054.78	
40 05 19 00-2919	EA	18" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,257.33	814.02
		For Class 52 Rating, Deduct.....	-1,542.64	
		For Class 54 Rating, Add.....	2,118.40	
		For Class 55 Rating, Add.....	3,156.95	
		For Class 56 Rating, Add.....	4,181.47	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2920	EA	18" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,691.31	817.39
		For Class 52 Rating, Deduct.....	-1,589.81	
		For Class 54 Rating, Add.....	2,182.79	
		For Class 55 Rating, Add.....	3,252.71	
		For Class 56 Rating, Add.....	4,308.18	
40 05 19 00-2921	EA	18" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	16,125.29	820.76
		For Class 52 Rating, Deduct.....	-1,636.99	
		For Class 54 Rating, Add.....	2,247.18	
		For Class 55 Rating, Add.....	3,348.47	
		For Class 56 Rating, Add.....	4,434.88	
40 05 19 00-2922	EA	18" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	16,559.26	824.13
		For Class 52 Rating, Deduct.....	-1,684.16	
		For Class 54 Rating, Add.....	2,311.57	
		For Class 55 Rating, Add.....	3,444.23	
		For Class 56 Rating, Add.....	4,561.58	
40 05 19 00-2923	EA	18" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	16,993.25	827.51
		For Class 52 Rating, Deduct.....	-1,731.34	
		For Class 54 Rating, Add.....	2,375.96	
		For Class 55 Rating, Add.....	3,539.99	
		For Class 56 Rating, Add.....	4,688.28	
40 05 19 00-2924	EA	18" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	17,427.21	830.88
		For Class 52 Rating, Deduct.....	-1,778.52	
		For Class 54 Rating, Add.....	2,440.35	
		For Class 55 Rating, Add.....	3,635.75	
		For Class 56 Rating, Add.....	4,814.97	
40 05 19 00-2925	EA	18" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	17,861.20	834.25
		For Class 52 Rating, Deduct.....	-1,825.69	
		For Class 54 Rating, Add.....	2,504.75	
		For Class 55 Rating, Add.....	3,731.51	
		For Class 56 Rating, Add.....	4,941.68	
40 05 19 00-2926	EA	18" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	18,295.17	837.62
		For Class 52 Rating, Deduct.....	-1,872.87	
		For Class 54 Rating, Add.....	2,569.14	
		For Class 55 Rating, Add.....	3,827.27	
		For Class 56 Rating, Add.....	5,068.38	
40 05 19 00-2927	EA	18" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	18,729.15	840.99
		For Class 52 Rating, Deduct.....	-1,920.04	
		For Class 54 Rating, Add.....	2,633.53	
		For Class 55 Rating, Add.....	3,923.03	
		For Class 56 Rating, Add.....	5,195.08	
40 05 19 00-2928	EA	18" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	19,163.14	844.36
		For Class 52 Rating, Deduct.....	-1,967.22	
		For Class 54 Rating, Add.....	2,697.92	
		For Class 55 Rating, Add.....	4,018.79	
		For Class 56 Rating, Add.....	5,321.78	
40 05 19 00-2929	EA	18" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	19,597.10	847.74
		For Class 52 Rating, Deduct.....	-2,014.39	
		For Class 54 Rating, Add.....	2,762.31	
		For Class 55 Rating, Add.....	4,114.55	
		For Class 56 Rating, Add.....	5,448.47	
40 05 19 00-2930	EA	18" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	20,031.08	851.11
		For Class 52 Rating, Deduct.....	-2,061.57	
		For Class 54 Rating, Add.....	2,826.70	
		For Class 55 Rating, Add.....	4,210.31	
		For Class 56 Rating, Add.....	5,575.18	
40 05 19 00-2931	EA	18" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	20,465.06	854.48
		For Class 52 Rating, Deduct.....	-2,108.74	
		For Class 54 Rating, Add.....	2,891.10	
		For Class 55 Rating, Add.....	4,306.07	
		For Class 56 Rating, Add.....	5,701.88	
40 05 19 00-2932		20" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-2614)		
40 05 19 00-2933	EA	20" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,107.49	832.89
		For Class 52 Rating, Deduct.....	-423.01	
		For Class 54 Rating, Add.....	591.97	
		For Class 55 Rating, Add.....	887.84	
		For Class 56 Rating, Add.....	1,179.86	
40 05 19 00-2934	EA	20" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,601.50	836.27
		For Class 52 Rating, Deduct.....	-476.79	
		For Class 54 Rating, Add.....	665.37	
		For Class 55 Rating, Add.....	996.99	
		For Class 56 Rating, Add.....	1,324.27	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-2935	EA	20" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,095.52	839.64
		For Class 52 Rating, Deduct	-530.57	
		For Class 54 Rating, Add	738.77	
		For Class 55 Rating, Add	1,106.14	
		For Class 56 Rating, Add	1,468.68	
40 05 19 00-2936	EA	20" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,589.53	843.01
		For Class 52 Rating, Deduct	-584.35	
		For Class 54 Rating, Add	812.16	
		For Class 55 Rating, Add	1,215.28	
		For Class 56 Rating, Add	1,613.09	
40 05 19 00-2937	EA	20" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,083.55	846.38
		For Class 52 Rating, Deduct	-638.13	
		For Class 54 Rating, Add	885.56	
		For Class 55 Rating, Add	1,324.43	
		For Class 56 Rating, Add	1,757.51	
40 05 19 00-2938	EA	20" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,577.57	849.75
		For Class 52 Rating, Deduct	-691.91	
		For Class 54 Rating, Add	958.96	
		For Class 55 Rating, Add	1,433.58	
		For Class 56 Rating, Add	1,901.92	
40 05 19 00-2939	EA	20" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,071.59	853.12
		For Class 52 Rating, Deduct	-745.69	
		For Class 54 Rating, Add	1,032.36	
		For Class 55 Rating, Add	1,542.73	
		For Class 56 Rating, Add	2,046.33	
40 05 19 00-2940	EA	20" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,565.60	856.50
		For Class 52 Rating, Deduct	-799.47	
		For Class 54 Rating, Add	1,105.75	
		For Class 55 Rating, Add	1,651.88	
		For Class 56 Rating, Add	2,190.74	
40 05 19 00-2941	EA	20" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,059.63	859.87
		For Class 52 Rating, Deduct	-853.25	
		For Class 54 Rating, Add	1,179.15	
		For Class 55 Rating, Add	1,761.03	
		For Class 56 Rating, Add	2,335.16	
40 05 19 00-2942	EA	20" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,553.64	863.24
		For Class 52 Rating, Deduct	-907.03	
		For Class 54 Rating, Add	1,252.55	
		For Class 55 Rating, Add	1,870.18	
		For Class 56 Rating, Add	2,479.57	
40 05 19 00-2943	EA	20" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,047.66	866.61
		For Class 52 Rating, Deduct	-960.81	
		For Class 54 Rating, Add	1,325.95	
		For Class 55 Rating, Add	1,979.33	
		For Class 56 Rating, Add	2,623.98	
40 05 19 00-2944	EA	20" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,541.68	869.98
		For Class 52 Rating, Deduct	-1,014.59	
		For Class 54 Rating, Add	1,399.35	
		For Class 55 Rating, Add	2,088.48	
		For Class 56 Rating, Add	2,768.39	
40 05 19 00-2945	EA	20" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,035.70	873.36
		For Class 52 Rating, Deduct	-1,068.37	
		For Class 54 Rating, Add	1,472.74	
		For Class 55 Rating, Add	2,197.63	
		For Class 56 Rating, Add	2,912.80	
40 05 19 00-2946	EA	20" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,529.73	876.74
		For Class 52 Rating, Deduct	-1,122.15	
		For Class 54 Rating, Add	1,546.14	
		For Class 55 Rating, Add	2,306.78	
		For Class 56 Rating, Add	3,057.22	
40 05 19 00-2947	EA	20" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,023.74	880.11
		For Class 52 Rating, Deduct	-1,175.93	
		For Class 54 Rating, Add	1,619.54	
		For Class 55 Rating, Add	2,415.93	
		For Class 56 Rating, Add	3,201.63	
40 05 19 00-2948	EA	20" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,517.76	883.48
		For Class 52 Rating, Deduct	-1,229.71	
		For Class 54 Rating, Add	1,692.94	
		For Class 55 Rating, Add	2,525.08	
		For Class 56 Rating, Add	3,346.04	
40 05 19 00-2949	EA	20" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,011.78	886.85
		For Class 52 Rating, Deduct	-1,283.49	
		For Class 54 Rating, Add	1,766.34	
		For Class 55 Rating, Add	2,634.23	
		For Class 56 Rating, Add	3,490.45	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2950	EA		20" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,505.80	890.22
			For Class 52 Rating, Deduct	-1,337.27	
			For Class 54 Rating, Add	1,839.73	
			For Class 55 Rating, Add	2,743.38	
			For Class 56 Rating, Add	3,634.87	
40 05 19 00-2951	EA		20" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,999.81	893.59
			For Class 52 Rating, Deduct	-1,391.05	
			For Class 54 Rating, Add	1,913.13	
			For Class 55 Rating, Add	2,852.53	
			For Class 56 Rating, Add	3,779.28	
40 05 19 00-2952	EA		20" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,493.84	896.97
			For Class 52 Rating, Deduct	-1,444.83	
			For Class 54 Rating, Add	1,986.53	
			For Class 55 Rating, Add	2,961.68	
			For Class 56 Rating, Add	3,923.69	
40 05 19 00-2953	EA		20" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,987.85	900.34
			For Class 52 Rating, Deduct	-1,498.61	
			For Class 54 Rating, Add	2,059.93	
			For Class 55 Rating, Add	3,070.83	
			For Class 56 Rating, Add	4,068.10	
40 05 19 00-2954	EA		20" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,481.88	903.71
			For Class 52 Rating, Deduct	-1,552.39	
			For Class 54 Rating, Add	2,133.32	
			For Class 55 Rating, Add	3,179.98	
			For Class 56 Rating, Add	4,212.52	
40 05 19 00-2955	EA		20" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,975.89	907.08
			For Class 52 Rating, Deduct	-1,606.17	
			For Class 54 Rating, Add	2,206.72	
			For Class 55 Rating, Add	3,289.13	
			For Class 56 Rating, Add	4,356.93	
40 05 19 00-2956	EA		20" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,469.91	910.45
			For Class 52 Rating, Deduct	-1,659.95	
			For Class 54 Rating, Add	2,280.12	
			For Class 55 Rating, Add	3,398.28	
			For Class 56 Rating, Add	4,501.34	
40 05 19 00-2957	EA		20" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,963.92	913.82
			For Class 52 Rating, Deduct	-1,713.73	
			For Class 54 Rating, Add	2,353.52	
			For Class 55 Rating, Add	3,507.42	
			For Class 56 Rating, Add	4,645.75	
40 05 19 00-2958	EA		20" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,457.94	917.20
			For Class 52 Rating, Deduct	-1,767.51	
			For Class 54 Rating, Add	2,426.91	
			For Class 55 Rating, Add	3,616.57	
			For Class 56 Rating, Add	4,790.16	
40 05 19 00-2959	EA		20" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,951.96	920.57
			For Class 52 Rating, Deduct	-1,821.29	
			For Class 54 Rating, Add	2,500.31	
			For Class 55 Rating, Add	3,725.72	
			For Class 56 Rating, Add	4,934.58	
40 05 19 00-2960	EA		20" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,445.98	923.94
			For Class 52 Rating, Deduct	-1,875.07	
			For Class 54 Rating, Add	2,573.71	
			For Class 55 Rating, Add	3,834.87	
			For Class 56 Rating, Add	5,078.99	
40 05 19 00-2961	EA		20" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,940.00	927.31
			For Class 52 Rating, Deduct	-1,928.85	
			For Class 54 Rating, Add	2,647.11	
			For Class 55 Rating, Add	3,944.02	
			For Class 56 Rating, Add	5,223.40	
40 05 19 00-2962	EA		20" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,434.02	930.68
			For Class 52 Rating, Deduct	-1,982.63	
			For Class 54 Rating, Add	2,720.51	
			For Class 55 Rating, Add	4,053.17	
			For Class 56 Rating, Add	5,367.81	
40 05 19 00-2963	EA		20" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,928.04	934.05
			For Class 52 Rating, Deduct	-2,036.41	
			For Class 54 Rating, Add	2,793.90	
			For Class 55 Rating, Add	4,162.32	
			For Class 56 Rating, Add	5,512.22	
40 05 19 00-2964	EA		20" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,422.05	937.43
			For Class 52 Rating, Deduct	-2,090.19	
			For Class 54 Rating, Add	2,867.30	
			For Class 55 Rating, Add	4,271.47	
			For Class 56 Rating, Add	5,656.64	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-2965	EA	20" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	20,916.08	940.80
		<i>For Class 52 Rating, Deduct</i>	-2,143.97	
		<i>For Class 54 Rating, Add</i>	2,940.70	
		<i>For Class 55 Rating, Add</i>	4,380.62	
		<i>For Class 56 Rating, Add</i>	5,801.05	
40 05 19 00-2966	EA	20" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	21,410.09	944.17
		<i>For Class 52 Rating, Deduct</i>	-2,197.75	
		<i>For Class 54 Rating, Add</i>	3,014.10	
		<i>For Class 55 Rating, Add</i>	4,489.77	
		<i>For Class 56 Rating, Add</i>	5,945.46	
40 05 19 00-2967	EA	20" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	21,904.11	947.54
		<i>For Class 52 Rating, Deduct</i>	-2,251.53	
		<i>For Class 54 Rating, Add</i>	3,087.49	
		<i>For Class 55 Rating, Add</i>	4,598.92	
		<i>For Class 56 Rating, Add</i>	6,089.87	
40 05 19 00-2968	EA	20" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	22,398.13	950.91
		<i>For Class 52 Rating, Deduct</i>	-2,305.31	
		<i>For Class 54 Rating, Add</i>	3,160.89	
		<i>For Class 55 Rating, Add</i>	4,708.07	
		<i>For Class 56 Rating, Add</i>	6,234.29	
40 05 19 00-2969	EA	20" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	22,892.15	954.28
		<i>For Class 52 Rating, Deduct</i>	-2,359.09	
		<i>For Class 54 Rating, Add</i>	3,234.29	
		<i>For Class 55 Rating, Add</i>	4,817.22	
		<i>For Class 56 Rating, Add</i>	6,378.70	
40 05 19 00-2970	EA	20" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	23,386.18	957.66
		<i>For Class 52 Rating, Deduct</i>	-2,412.87	
		<i>For Class 54 Rating, Add</i>	3,307.69	
		<i>For Class 55 Rating, Add</i>	4,926.37	
		<i>For Class 56 Rating, Add</i>	6,523.11	

40 05 19 00-2971 24" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe

(40 05 19 00-2614)

40 05 19 00-2972	EA	24" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,346.67	984.64
		<i>For Class 52 Rating, Deduct</i>	-534.03	
		<i>For Class 54 Rating, Add</i>	746.12	
		<i>For Class 55 Rating, Add</i>	1,118.42	
		<i>For Class 56 Rating, Add</i>	1,485.87	
40 05 19 00-2973	EA	24" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,957.90	988.01
		<i>For Class 52 Rating, Deduct</i>	-600.70	
		<i>For Class 54 Rating, Add</i>	837.10	
		<i>For Class 55 Rating, Add</i>	1,253.71	
		<i>For Class 56 Rating, Add</i>	1,664.86	
40 05 19 00-2974	EA	24" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,569.14	991.38
		<i>For Class 52 Rating, Deduct</i>	-667.38	
		<i>For Class 54 Rating, Add</i>	928.08	
		<i>For Class 55 Rating, Add</i>	1,389.00	
		<i>For Class 56 Rating, Add</i>	1,843.85	
40 05 19 00-2975	EA	24" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,180.39	994.75
		<i>For Class 52 Rating, Deduct</i>	-734.05	
		<i>For Class 54 Rating, Add</i>	1,019.06	
		<i>For Class 55 Rating, Add</i>	1,524.29	
		<i>For Class 56 Rating, Add</i>	2,022.85	
40 05 19 00-2976	EA	24" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,791.63	998.13
		<i>For Class 52 Rating, Deduct</i>	-800.73	
		<i>For Class 54 Rating, Add</i>	1,110.05	
		<i>For Class 55 Rating, Add</i>	1,659.58	
		<i>For Class 56 Rating, Add</i>	2,201.84	
40 05 19 00-2977	EA	24" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,402.87	1,001.50
		<i>For Class 52 Rating, Deduct</i>	-867.40	
		<i>For Class 54 Rating, Add</i>	1,201.03	
		<i>For Class 55 Rating, Add</i>	1,794.87	
		<i>For Class 56 Rating, Add</i>	2,380.83	
40 05 19 00-2978	EA	24" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,014.12	1,004.87
		<i>For Class 52 Rating, Deduct</i>	-934.07	
		<i>For Class 54 Rating, Add</i>	1,292.01	
		<i>For Class 55 Rating, Add</i>	1,930.17	
		<i>For Class 56 Rating, Add</i>	2,559.83	
40 05 19 00-2979	EA	24" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,625.36	1,008.24
		<i>For Class 52 Rating, Deduct</i>	-1,000.75	
		<i>For Class 54 Rating, Add</i>	1,382.99	
		<i>For Class 55 Rating, Add</i>	2,065.45	
		<i>For Class 56 Rating, Add</i>	2,738.82	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2980	EA		24" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	11,236.60	1,011.61
			For Class 52 Rating, Deduct	-1,067.42	
			For Class 54 Rating, Add	1,473.97	
			For Class 55 Rating, Add	2,200.74	
			For Class 56 Rating, Add	2,917.81	
40 05 19 00-2981	EA		24" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	11,847.85	1,014.98
			For Class 52 Rating, Deduct	-1,134.10	
			For Class 54 Rating, Add	1,564.95	
			For Class 55 Rating, Add	2,336.04	
			For Class 56 Rating, Add	3,096.81	
40 05 19 00-2982	EA		24" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	12,459.08	1,018.36
			For Class 52 Rating, Deduct	-1,200.77	
			For Class 54 Rating, Add	1,655.93	
			For Class 55 Rating, Add	2,471.33	
			For Class 56 Rating, Add	3,275.80	
40 05 19 00-2983	EA		24" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	13,070.33	1,021.73
			For Class 52 Rating, Deduct	-1,267.45	
			For Class 54 Rating, Add	1,746.91	
			For Class 55 Rating, Add	2,606.62	
			For Class 56 Rating, Add	3,454.79	
40 05 19 00-2984	EA		24" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	13,681.57	1,025.10
			For Class 52 Rating, Deduct	-1,334.12	
			For Class 54 Rating, Add	1,837.90	
			For Class 55 Rating, Add	2,741.91	
			For Class 56 Rating, Add	3,633.79	
40 05 19 00-2985	EA		24" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	14,292.81	1,028.47
			For Class 52 Rating, Deduct	-1,400.80	
			For Class 54 Rating, Add	1,928.88	
			For Class 55 Rating, Add	2,877.20	
			For Class 56 Rating, Add	3,812.78	
40 05 19 00-2986	EA		24" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	14,904.05	1,031.84
			For Class 52 Rating, Deduct	-1,467.47	
			For Class 54 Rating, Add	2,019.86	
			For Class 55 Rating, Add	3,012.49	
			For Class 56 Rating, Add	3,991.77	
40 05 19 00-2987	EA		24" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	15,515.30	1,035.21
			For Class 52 Rating, Deduct	-1,534.15	
			For Class 54 Rating, Add	2,110.84	
			For Class 55 Rating, Add	3,147.78	
			For Class 56 Rating, Add	4,170.77	
40 05 19 00-2988	EA		24" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	16,126.54	1,038.59
			For Class 52 Rating, Deduct	-1,600.82	
			For Class 54 Rating, Add	2,201.82	
			For Class 55 Rating, Add	3,283.07	
			For Class 56 Rating, Add	4,349.76	
40 05 19 00-2989	EA		24" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	16,737.78	1,041.96
			For Class 52 Rating, Deduct	-1,667.50	
			For Class 54 Rating, Add	2,292.80	
			For Class 55 Rating, Add	3,418.36	
			For Class 56 Rating, Add	4,528.75	
40 05 19 00-2990	EA		24" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,349.03	1,045.33
			For Class 52 Rating, Deduct	-1,734.17	
			For Class 54 Rating, Add	2,383.78	
			For Class 55 Rating, Add	3,553.65	
			For Class 56 Rating, Add	4,707.75	
40 05 19 00-2991	EA		24" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,960.27	1,048.70
			For Class 52 Rating, Deduct	-1,800.85	
			For Class 54 Rating, Add	2,474.77	
			For Class 55 Rating, Add	3,688.94	
			For Class 56 Rating, Add	4,886.74	
40 05 19 00-2992	EA		24" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,571.51	1,052.07
			For Class 52 Rating, Deduct	-1,867.52	
			For Class 54 Rating, Add	2,565.75	
			For Class 55 Rating, Add	3,824.23	
			For Class 56 Rating, Add	5,065.73	
40 05 19 00-2993	EA		24" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,182.75	1,055.45
			For Class 52 Rating, Deduct	-1,934.19	
			For Class 54 Rating, Add	2,656.73	
			For Class 55 Rating, Add	3,959.52	
			For Class 56 Rating, Add	5,244.73	
40 05 19 00-2994	EA		24" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,794.00	1,058.83
			For Class 52 Rating, Deduct	-2,000.87	
			For Class 54 Rating, Add	2,747.71	
			For Class 55 Rating, Add	4,094.61	
			For Class 56 Rating, Add	5,423.72	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-2995	EA	24" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	20,405.23	1,062.20
		For Class 52 Rating, Deduct	-2,067.54	
		For Class 54 Rating, Add	2,838.69	
		For Class 55 Rating, Add	4,230.10	
		For Class 56 Rating, Add	5,602.71	
40 05 19 00-2996	EA	24" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	21,016.49	1,065.57
		For Class 52 Rating, Deduct	-2,134.22	
		For Class 54 Rating, Add	2,929.67	
		For Class 55 Rating, Add	4,365.39	
		For Class 56 Rating, Add	5,781.71	
40 05 19 00-2997	EA	24" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	21,627.72	1,068.94
		For Class 52 Rating, Deduct	-2,200.89	
		For Class 54 Rating, Add	3,020.65	
		For Class 55 Rating, Add	4,500.68	
		For Class 56 Rating, Add	5,960.70	
40 05 19 00-2998	EA	24" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	22,238.97	1,072.31
		For Class 52 Rating, Deduct	-2,267.57	
		For Class 54 Rating, Add	3,111.64	
		For Class 55 Rating, Add	4,635.97	
		For Class 56 Rating, Add	6,139.70	
40 05 19 00-2999	EA	24" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	22,850.21	1,075.68
		For Class 52 Rating, Deduct	-2,334.24	
		For Class 54 Rating, Add	3,202.62	
		For Class 55 Rating, Add	4,771.26	
		For Class 56 Rating, Add	6,318.69	
40 05 19 00-3000	EA	24" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	23,461.45	1,079.06
		For Class 52 Rating, Deduct	-2,400.92	
		For Class 54 Rating, Add	3,293.60	
		For Class 55 Rating, Add	4,906.55	
		For Class 56 Rating, Add	6,497.68	
40 05 19 00-3001	EA	24" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	24,159.56	1,139.75
		For Class 52 Rating, Deduct	-2,467.59	
		For Class 54 Rating, Add	3,385.62	
		For Class 55 Rating, Add	5,043.93	
		For Class 56 Rating, Add	6,679.80	
40 05 19 00-3002	EA	24" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	24,770.79	1,143.12
		For Class 52 Rating, Deduct	-2,534.27	
		For Class 54 Rating, Add	3,476.60	
		For Class 55 Rating, Add	5,179.22	
		For Class 56 Rating, Add	6,858.80	
40 05 19 00-3003	EA	24" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	25,382.04	1,146.49
		For Class 52 Rating, Deduct	-2,600.94	
		For Class 54 Rating, Add	3,567.58	
		For Class 55 Rating, Add	5,314.51	
		For Class 56 Rating, Add	7,037.79	
40 05 19 00-3004	EA	24" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	25,993.28	1,149.87
		For Class 52 Rating, Deduct	-2,667.62	
		For Class 54 Rating, Add	3,658.57	
		For Class 55 Rating, Add	5,449.80	
		For Class 56 Rating, Add	7,216.78	
40 05 19 00-3005	EA	24" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	26,604.52	1,153.24
		For Class 52 Rating, Deduct	-2,734.29	
		For Class 54 Rating, Add	3,749.55	
		For Class 55 Rating, Add	5,585.09	
		For Class 56 Rating, Add	7,395.77	
40 05 19 00-3006	EA	24" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	27,212.90	1,156.61
		For Class 52 Rating, Deduct	-2,800.65	
		For Class 54 Rating, Add	3,840.10	
		For Class 55 Rating, Add	5,719.74	
		For Class 56 Rating, Add	7,573.92	
40 05 19 00-3007	EA	24" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	27,827.01	1,159.99
		For Class 52 Rating, Deduct	-2,867.64	
		For Class 54 Rating, Add	3,931.51	
		For Class 55 Rating, Add	5,855.67	
		For Class 56 Rating, Add	7,753.76	
40 05 19 00-3008	EA	24" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	28,438.24	1,163.36
		For Class 52 Rating, Deduct	-2,934.31	
		For Class 54 Rating, Add	4,022.49	
		For Class 55 Rating, Add	5,990.96	
		For Class 56 Rating, Add	7,932.75	
40 05 19 00-3009	EA	24" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	29,049.49	1,166.73
		For Class 52 Rating, Deduct	-3,000.99	
		For Class 54 Rating, Add	4,113.47	
		For Class 55 Rating, Add	6,126.25	
		For Class 56 Rating, Add	8,111.75	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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40 05 19 00-3010			30" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe ^(40 05 19 00-2614)		
40 05 19 00-3011	EA		30" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,750.27	1,389.28
			For Class 52 Rating, Deduct	-840.98	
			For Class 54 Rating, Add	1,172.05	
			For Class 55 Rating, Add	1,755.42	
			For Class 56 Rating, Add	2,331.14	
40 05 19 00-3012	EA		30" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,624.54	1,392.65
			For Class 52 Rating, Deduct	-936.59	
			For Class 54 Rating, Add	1,302.49	
			For Class 55 Rating, Add	1,949.37	
			For Class 56 Rating, Add	2,587.73	
40 05 19 00-3013	EA		30" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,498.82	1,396.02
			For Class 52 Rating, Deduct	-1,032.20	
			For Class 54 Rating, Add	1,432.93	
			For Class 55 Rating, Add	2,143.31	
			For Class 56 Rating, Add	2,844.32	
40 05 19 00-3014	EA		30" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,373.10	1,399.40
			For Class 52 Rating, Deduct	-1,127.81	
			For Class 54 Rating, Add	1,563.36	
			For Class 55 Rating, Add	2,337.26	
			For Class 56 Rating, Add	3,100.91	
40 05 19 00-3015	EA		30" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,247.39	1,402.77
			For Class 52 Rating, Deduct	-1,223.42	
			For Class 54 Rating, Add	1,693.80	
			For Class 55 Rating, Add	2,531.21	
			For Class 56 Rating, Add	3,357.50	
40 05 19 00-3016	EA		30" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,121.66	1,406.14
			For Class 52 Rating, Deduct	-1,319.03	
			For Class 54 Rating, Add	1,824.24	
			For Class 55 Rating, Add	2,725.16	
			For Class 56 Rating, Add	3,614.09	
40 05 19 00-3017	EA		30" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,995.95	1,409.51
			For Class 52 Rating, Deduct	-1,414.64	
			For Class 54 Rating, Add	1,954.68	
			For Class 55 Rating, Add	2,919.11	
			For Class 56 Rating, Add	3,870.68	
40 05 19 00-3018	EA		30" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,870.22	1,412.88
			For Class 52 Rating, Deduct	-1,510.24	
			For Class 54 Rating, Add	2,085.11	
			For Class 55 Rating, Add	3,113.05	
			For Class 56 Rating, Add	4,127.27	
40 05 19 00-3019	EA		30" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,744.52	1,416.25
			For Class 52 Rating, Deduct	-1,605.85	
			For Class 54 Rating, Add	2,215.55	
			For Class 55 Rating, Add	3,307.00	
			For Class 56 Rating, Add	4,383.86	
40 05 19 00-3020	EA		30" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,618.80	1,419.63
			For Class 52 Rating, Deduct	-1,701.46	
			For Class 54 Rating, Add	2,345.99	
			For Class 55 Rating, Add	3,500.95	
			For Class 56 Rating, Add	4,640.45	
40 05 19 00-3021	EA		30" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,493.07	1,423.01
			For Class 52 Rating, Deduct	-1,797.07	
			For Class 54 Rating, Add	2,476.42	
			For Class 55 Rating, Add	3,694.90	
			For Class 56 Rating, Add	4,897.04	
40 05 19 00-3022	EA		30" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,367.36	1,426.38
			For Class 52 Rating, Deduct	-1,892.68	
			For Class 54 Rating, Add	2,606.86	
			For Class 55 Rating, Add	3,888.85	
			For Class 56 Rating, Add	5,153.63	
40 05 19 00-3023	EA		30" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,241.64	1,429.75
			For Class 52 Rating, Deduct	-1,988.29	
			For Class 54 Rating, Add	2,737.30	
			For Class 55 Rating, Add	4,082.80	
			For Class 56 Rating, Add	5,410.22	
40 05 19 00-3024	EA		30" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,115.92	1,433.12
			For Class 52 Rating, Deduct	-2,083.90	
			For Class 54 Rating, Add	2,867.74	
			For Class 55 Rating, Add	4,276.74	
			For Class 56 Rating, Add	5,666.81	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
40 05 19 00-3025	EA 30" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	21,990.20		1,436.49
	For Class 52 Rating, Deduct.....	-2,179.51		
	For Class 54 Rating, Add.....	2,998.17		
	For Class 55 Rating, Add.....	4,470.69		
	For Class 56 Rating, Add.....	5,923.40		
40 05 19 00-3026	EA 30" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	22,864.48		1,439.87
	For Class 52 Rating, Deduct.....	-2,275.12		
	For Class 54 Rating, Add.....	3,128.61		
	For Class 55 Rating, Add.....	4,664.64		
	For Class 56 Rating, Add.....	6,179.98		
40 05 19 00-3027	EA 30" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	23,738.77		1,443.24
	For Class 52 Rating, Deduct.....	-2,370.73		
	For Class 54 Rating, Add.....	3,259.05		
	For Class 55 Rating, Add.....	4,858.59		
	For Class 56 Rating, Add.....	6,436.58		
40 05 19 00-3028	EA 30" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	24,613.05		1,446.61
	For Class 52 Rating, Deduct.....	-2,466.33		
	For Class 54 Rating, Add.....	3,389.48		
	For Class 55 Rating, Add.....	5,052.54		
	For Class 56 Rating, Add.....	6,693.17		
40 05 19 00-3029	EA 30" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	25,487.32		1,449.98
	For Class 52 Rating, Deduct.....	-2,561.94		
	For Class 54 Rating, Add.....	3,519.92		
	For Class 55 Rating, Add.....	5,246.48		
	For Class 56 Rating, Add.....	6,949.75		
40 05 19 00-3030	EA 30" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	26,361.61		1,453.35
	For Class 52 Rating, Deduct.....	-2,657.55		
	For Class 54 Rating, Add.....	3,650.36		
	For Class 55 Rating, Add.....	5,440.43		
	For Class 56 Rating, Add.....	7,206.34		
40 05 19 00-3031	EA 30" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	27,235.90		1,456.72
	For Class 52 Rating, Deduct.....	-2,753.16		
	For Class 54 Rating, Add.....	3,780.80		
	For Class 55 Rating, Add.....	5,634.38		
	For Class 56 Rating, Add.....	7,462.94		
40 05 19 00-3032	EA 30" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	28,110.17		1,460.10
	For Class 52 Rating, Deduct.....	-2,848.77		
	For Class 54 Rating, Add.....	3,911.23		
	For Class 55 Rating, Add.....	5,828.33		
	For Class 56 Rating, Add.....	7,719.52		
40 05 19 00-3033	EA 30" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	28,984.46		1,463.47
	For Class 52 Rating, Deduct.....	-2,944.38		
	For Class 54 Rating, Add.....	4,041.67		
	For Class 55 Rating, Add.....	6,022.28		
	For Class 56 Rating, Add.....	7,976.11		
40 05 19 00-3034	EA 30" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	29,858.73		1,466.84
	For Class 52 Rating, Deduct.....	-3,039.99		
	For Class 54 Rating, Add.....	4,172.11		
	For Class 55 Rating, Add.....	6,216.22		
	For Class 56 Rating, Add.....	8,232.70		
40 05 19 00-3035	EA 30" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	30,733.03		1,470.21
	For Class 52 Rating, Deduct.....	-3,135.60		
	For Class 54 Rating, Add.....	4,302.55		
	For Class 55 Rating, Add.....	6,410.17		
	For Class 56 Rating, Add.....	8,489.30		
40 05 19 00-3036	EA 30" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	31,607.30		1,473.58
	For Class 52 Rating, Deduct.....	-3,231.21		
	For Class 54 Rating, Add.....	4,432.98		
	For Class 55 Rating, Add.....	6,604.12		
	For Class 56 Rating, Add.....	8,745.88		
40 05 19 00-3037	EA 30" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	32,481.58		1,476.95
	For Class 52 Rating, Deduct.....	-3,326.81		
	For Class 54 Rating, Add.....	4,563.42		
	For Class 55 Rating, Add.....	6,798.07		
	For Class 56 Rating, Add.....	9,002.47		
40 05 19 00-3038	EA 30" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	33,355.86		1,480.33
	For Class 52 Rating, Deduct.....	-3,422.42		
	For Class 54 Rating, Add.....	4,693.86		
	For Class 55 Rating, Add.....	6,992.02		
	For Class 56 Rating, Add.....	9,259.06		
40 05 19 00-3039	EA 30" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	34,230.15		1,483.70
	For Class 52 Rating, Deduct.....	-3,518.03		
	For Class 54 Rating, Add.....	4,824.29		
	For Class 55 Rating, Add.....	7,185.97		
	For Class 56 Rating, Add.....	9,515.65		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3040	EA	30" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	35,104.42	1,487.07
		For Class 52 Rating, Deduct.....	-3,613.64	
		For Class 54 Rating, Add.....	4,954.73	
		For Class 55 Rating, Add.....	7,379.91	
		For Class 56 Rating, Add.....	9,772.24	
40 05 19 00-3041	EA	30" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	35,978.71	1,490.44
		For Class 52 Rating, Deduct.....	-3,709.25	
		For Class 54 Rating, Add.....	5,085.17	
		For Class 55 Rating, Add.....	7,573.86	
		For Class 56 Rating, Add.....	10,028.83	
40 05 19 00-3042	EA	30" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	36,852.98	1,493.81
		For Class 52 Rating, Deduct.....	-3,804.86	
		For Class 54 Rating, Add.....	5,215.60	
		For Class 55 Rating, Add.....	7,767.81	
		For Class 56 Rating, Add.....	10,285.42	
40 05 19 00-3043	EA	30" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	37,727.28	1,497.18
		For Class 52 Rating, Deduct.....	-3,900.47	
		For Class 54 Rating, Add.....	5,346.04	
		For Class 55 Rating, Add.....	7,961.76	
		For Class 56 Rating, Add.....	10,542.01	
40 05 19 00-3044	EA	30" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	38,601.56	1,500.56
		For Class 52 Rating, Deduct.....	-3,996.08	
		For Class 54 Rating, Add.....	5,476.48	
		For Class 55 Rating, Add.....	8,155.71	
		For Class 56 Rating, Add.....	10,798.60	
40 05 19 00-3045	EA	30" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	39,475.83	1,503.93
		For Class 52 Rating, Deduct.....	-4,091.69	
		For Class 54 Rating, Add.....	5,606.92	
		For Class 55 Rating, Add.....	8,349.65	
		For Class 56 Rating, Add.....	11,055.19	
40 05 19 00-3046		36" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-2614)		
40 05 19 00-3047	EA	36" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,477.31	1,760.20
		For Class 52 Rating, Deduct.....	-1,189.14	
		For Class 54 Rating, Add.....	1,653.55	
		For Class 55 Rating, Add.....	2,474.71	
		For Class 56 Rating, Add.....	3,285.06	
40 05 19 00-3048	EA	36" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,648.94	1,763.58
		For Class 52 Rating, Deduct.....	-1,317.45	
		For Class 54 Rating, Add.....	1,828.59	
		For Class 55 Rating, Add.....	2,734.97	
		For Class 56 Rating, Add.....	3,629.37	
40 05 19 00-3049	EA	36" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,820.57	1,766.95
		For Class 52 Rating, Deduct.....	-1,445.77	
		For Class 54 Rating, Add.....	2,003.63	
		For Class 55 Rating, Add.....	2,995.22	
		For Class 56 Rating, Add.....	3,973.67	
40 05 19 00-3050	EA	36" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	16,992.21	1,770.32
		For Class 52 Rating, Deduct.....	-1,574.09	
		For Class 54 Rating, Add.....	2,178.67	
		For Class 55 Rating, Add.....	3,255.48	
		For Class 56 Rating, Add.....	4,317.98	
40 05 19 00-3051	EA	36" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	18,163.83	1,773.69
		For Class 52 Rating, Deduct.....	-1,702.41	
		For Class 54 Rating, Add.....	2,353.71	
		For Class 55 Rating, Add.....	3,515.74	
		For Class 56 Rating, Add.....	4,662.29	
40 05 19 00-3052	EA	36" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	19,335.47	1,777.06
		For Class 52 Rating, Deduct.....	-1,830.72	
		For Class 54 Rating, Add.....	2,528.75	
		For Class 55 Rating, Add.....	3,776.00	
		For Class 56 Rating, Add.....	5,006.60	
40 05 19 00-3053	EA	36" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	20,507.09	1,780.43
		For Class 52 Rating, Deduct.....	-1,959.04	
		For Class 54 Rating, Add.....	2,703.79	
		For Class 55 Rating, Add.....	4,036.25	
		For Class 56 Rating, Add.....	5,350.91	
40 05 19 00-3054	EA	36" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	21,678.72	1,783.81
		For Class 52 Rating, Deduct.....	-2,087.36	
		For Class 54 Rating, Add.....	2,878.83	
		For Class 55 Rating, Add.....	4,296.51	
		For Class 56 Rating, Add.....	5,695.21	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
40 05 19 00-3055	EA 36" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	22,850.35		1,787.18
	For Class 52 Rating, Deduct	-2,215.68		
	For Class 54 Rating, Add	3,053.87		
	For Class 55 Rating, Add	4,556.77		
	For Class 56 Rating, Add	6,039.52		
40 05 19 00-3056	EA 36" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	24,021.98		1,790.56
	For Class 52 Rating, Deduct	-2,343.99		
	For Class 54 Rating, Add	3,228.91		
	For Class 55 Rating, Add	4,817.02		
	For Class 56 Rating, Add	6,383.83		
40 05 19 00-3057	EA 36" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	25,193.62		1,793.93
	For Class 52 Rating, Deduct	-2,472.31		
	For Class 54 Rating, Add	3,403.95		
	For Class 55 Rating, Add	5,077.28		
	For Class 56 Rating, Add	6,728.14		
40 05 19 00-3058	EA 36" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	26,365.24		1,797.30
	For Class 52 Rating, Deduct	-2,600.63		
	For Class 54 Rating, Add	3,578.99		
	For Class 55 Rating, Add	5,337.54		
	For Class 56 Rating, Add	7,072.44		
40 05 19 00-3059	EA 36" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	27,536.87		1,800.67
	For Class 52 Rating, Deduct	-2,728.94		
	For Class 54 Rating, Add	3,754.03		
	For Class 55 Rating, Add	5,597.79		
	For Class 56 Rating, Add	7,416.75		
40 05 19 00-3060	EA 36" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	28,708.51		1,804.05
	For Class 52 Rating, Deduct	-2,857.26		
	For Class 54 Rating, Add	3,929.07		
	For Class 55 Rating, Add	5,858.05		
	For Class 56 Rating, Add	7,761.06		
40 05 19 00-3061	EA 36" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	29,880.14		1,807.42
	For Class 52 Rating, Deduct	-2,985.58		
	For Class 54 Rating, Add	4,104.11		
	For Class 55 Rating, Add	6,118.31		
	For Class 56 Rating, Add	8,105.37		
40 05 19 00-3062	EA 36" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	31,051.76		1,810.79
	For Class 52 Rating, Deduct	-3,113.90		
	For Class 54 Rating, Add	4,279.15		
	For Class 55 Rating, Add	6,378.56		
	For Class 56 Rating, Add	8,449.67		
40 05 19 00-3063	EA 36" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	32,223.40		1,814.16
	For Class 52 Rating, Deduct	-3,242.21		
	For Class 54 Rating, Add	4,454.19		
	For Class 55 Rating, Add	6,638.82		
	For Class 56 Rating, Add	8,793.98		
40 05 19 00-3064	EA 36" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	33,395.02		1,817.53
	For Class 52 Rating, Deduct	-3,370.53		
	For Class 54 Rating, Add	4,629.22		
	For Class 55 Rating, Add	6,899.08		
	For Class 56 Rating, Add	9,138.29		
40 05 19 00-3065	EA 36" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	34,566.66		1,820.90
	For Class 52 Rating, Deduct	-3,498.85		
	For Class 54 Rating, Add	4,804.26		
	For Class 55 Rating, Add	7,159.33		
	For Class 56 Rating, Add	9,482.60		
40 05 19 00-3066	EA 36" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	35,738.28		1,824.28
	For Class 52 Rating, Deduct	-3,627.17		
	For Class 54 Rating, Add	4,979.30		
	For Class 55 Rating, Add	7,419.59		
	For Class 56 Rating, Add	9,826.90		
40 05 19 00-3067	EA 36" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	36,909.91		1,827.65
	For Class 52 Rating, Deduct	-3,755.48		
	For Class 54 Rating, Add	5,154.34		
	For Class 55 Rating, Add	7,679.85		
	For Class 56 Rating, Add	10,171.21		
40 05 19 00-3068	EA 36" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	38,081.55		1,831.02
	For Class 52 Rating, Deduct	-3,883.80		
	For Class 54 Rating, Add	5,329.38		
	For Class 55 Rating, Add	7,940.10		
	For Class 56 Rating, Add	10,515.52		
40 05 19 00-3069	EA 36" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	39,253.17		1,834.39
	For Class 52 Rating, Deduct	-4,012.12		
	For Class 54 Rating, Add	5,504.42		
	For Class 55 Rating, Add	8,200.36		
	For Class 56 Rating, Add	10,859.83		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3070	EA	36" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	40,424.80	1,837.76
		For Class 52 Rating, Deduct	-4,140.43	
		For Class 54 Rating, Add	5,679.46	
		For Class 55 Rating, Add	8,460.62	
		For Class 56 Rating, Add	11,204.13	
40 05 19 00-3071	EA	36" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	41,596.44	1,841.13
		For Class 52 Rating, Deduct	-4,268.75	
		For Class 54 Rating, Add	5,854.50	
		For Class 55 Rating, Add	8,720.88	
		For Class 56 Rating, Add	11,548.44	
40 05 19 00-3072	EA	36" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	42,768.07	1,844.51
		For Class 52 Rating, Deduct	-4,397.07	
		For Class 54 Rating, Add	6,029.54	
		For Class 55 Rating, Add	8,981.13	
		For Class 56 Rating, Add	11,892.75	
40 05 19 00-3073	EA	36" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	43,939.70	1,847.88
		For Class 52 Rating, Deduct	-4,525.39	
		For Class 54 Rating, Add	6,204.58	
		For Class 55 Rating, Add	9,241.39	
		For Class 56 Rating, Add	12,237.06	
40 05 19 00-3074	EA	36" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	45,111.33	1,851.25
		For Class 52 Rating, Deduct	-4,653.70	
		For Class 54 Rating, Add	6,379.62	
		For Class 55 Rating, Add	9,501.65	
		For Class 56 Rating, Add	12,581.37	
40 05 19 00-3075	EA	36" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	46,282.95	1,854.62
		For Class 52 Rating, Deduct	-4,782.02	
		For Class 54 Rating, Add	6,554.66	
		For Class 55 Rating, Add	9,761.90	
		For Class 56 Rating, Add	12,925.67	
40 05 19 00-3076	EA	36" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	47,454.59	1,857.99
		For Class 52 Rating, Deduct	-4,910.34	
		For Class 54 Rating, Add	6,729.70	
		For Class 55 Rating, Add	10,022.16	
		For Class 56 Rating, Add	13,269.98	
40 05 19 00-3077	EA	36" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	48,626.21	1,861.36
		For Class 52 Rating, Deduct	-5,038.66	
		For Class 54 Rating, Add	6,904.74	
		For Class 55 Rating, Add	10,282.42	
		For Class 56 Rating, Add	13,614.29	
40 05 19 00-3078	EA	36" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	49,797.84	1,864.74
		For Class 52 Rating, Deduct	-5,166.97	
		For Class 54 Rating, Add	7,079.78	
		For Class 55 Rating, Add	10,542.67	
		For Class 56 Rating, Add	13,958.59	
40 05 19 00-3079	EA	36" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	50,969.47	1,868.11
		For Class 52 Rating, Deduct	-5,295.29	
		For Class 54 Rating, Add	7,254.82	
		For Class 55 Rating, Add	10,802.93	
		For Class 56 Rating, Add	14,302.90	
40 05 19 00-3080	EA	36" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	52,141.10	1,871.48
		For Class 52 Rating, Deduct	-5,423.61	
		For Class 54 Rating, Add	7,429.85	
		For Class 55 Rating, Add	11,063.18	
		For Class 56 Rating, Add	14,647.21	
40 05 19 00-3081	EA	36" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	53,312.75	1,874.85
		For Class 52 Rating, Deduct	-5,551.93	
		For Class 54 Rating, Add	7,604.90	
		For Class 55 Rating, Add	11,323.44	
		For Class 56 Rating, Add	14,991.52	
40 05 19 00-3082		Flanged End x Plain End (FxPE), Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-2073)		
40 05 19 00-3083		4" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-3082)		
40 05 19 00-3084	EA	4" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	733.05	164.91
		For Class 52 Rating, Deduct	-53.15	
		For Class 54 Rating, Add	75.48	
		For Class 55 Rating, Add	113.75	
		For Class 56 Rating, Add	151.54	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
40 05 19 00-3085	EA 4" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
	Coat, Ductile Iron Pipe.....	846.07		167.80
	For Class 52 Rating, Deduct	-65.10		
	For Class 54 Rating, Add	91.83		
	For Class 55 Rating, Add	138.08		
	For Class 56 Rating, Add	183.75		
40 05 19 00-3086	EA 4" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
	Coat, Ductile Iron Pipe.....	959.08		170.69
	For Class 52 Rating, Deduct	-77.05		
	For Class 54 Rating, Add	108.18		
	For Class 55 Rating, Add	162.41		
	For Class 56 Rating, Add	215.95		
40 05 19 00-3087	EA 4" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
	Coat, Ductile Iron Pipe.....	1,072.09		173.56
	For Class 52 Rating, Deduct	-89.00		
	For Class 54 Rating, Add	124.53		
	For Class 55 Rating, Add	186.75		
	For Class 56 Rating, Add	248.16		
40 05 19 00-3088	EA 4" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
	Coat, Ductile Iron Pipe.....	1,185.12		176.44
	For Class 52 Rating, Deduct	-100.96		
	For Class 54 Rating, Add	140.88		
	For Class 55 Rating, Add	211.08		
	For Class 56 Rating, Add	280.37		
40 05 19 00-3089	EA 4" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
	Coat, Ductile Iron Pipe.....	1,298.12		179.33
	For Class 52 Rating, Deduct	-112.91		
	For Class 54 Rating, Add	157.22		
	For Class 55 Rating, Add	235.41		
	For Class 56 Rating, Add	312.58		
40 05 19 00-3090	EA 4" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
	Coat, Ductile Iron Pipe.....	1,411.14		182.22
	For Class 52 Rating, Deduct	-124.86		
	For Class 54 Rating, Add	173.57		
	For Class 55 Rating, Add	259.75		
	For Class 56 Rating, Add	344.78		
40 05 19 00-3091	EA 4" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
	Coat, Ductile Iron Pipe.....	1,524.16		185.09
	For Class 52 Rating, Deduct	-136.81		
	For Class 54 Rating, Add	189.92		
	For Class 55 Rating, Add	284.08		
	For Class 56 Rating, Add	376.99		
40 05 19 00-3092	EA 4" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
	Coat, Ductile Iron Pipe.....	1,637.17		187.98
	For Class 52 Rating, Deduct	-148.76		
	For Class 54 Rating, Add	206.27		
	For Class 55 Rating, Add	308.41		
	For Class 56 Rating, Add	409.20		
40 05 19 00-3093	EA 4" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
	Coat, Ductile Iron Pipe.....	1,750.18		190.86
	For Class 52 Rating, Deduct	-160.71		
	For Class 54 Rating, Add	222.62		
	For Class 55 Rating, Add	332.75		
	For Class 56 Rating, Add	441.41		
40 05 19 00-3094	EA 4" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
	Coat, Ductile Iron Pipe.....	1,863.21		193.74
	For Class 52 Rating, Deduct	-172.66		
	For Class 54 Rating, Add	238.97		
	For Class 55 Rating, Add	357.08		
	For Class 56 Rating, Add	473.62		
40 05 19 00-3095	EA 4" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
	Coat, Ductile Iron Pipe.....	1,976.21		196.62
	For Class 52 Rating, Deduct	-184.61		
	For Class 54 Rating, Add	255.32		
	For Class 55 Rating, Add	381.41		
	For Class 56 Rating, Add	505.82		
40 05 19 00-3096	EA 4" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
	Coat, Ductile Iron Pipe.....	2,089.23		199.52
	For Class 52 Rating, Deduct	-196.56		
	For Class 54 Rating, Add	271.67		
	For Class 55 Rating, Add	405.74		
	For Class 56 Rating, Add	538.03		
40 05 19 00-3097	EA 4" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
	Coat, Ductile Iron Pipe.....	2,202.25		202.40
	For Class 52 Rating, Deduct	-208.52		
	For Class 54 Rating, Add	288.02		
	For Class 55 Rating, Add	430.08		
	For Class 56 Rating, Add	570.24		
40 05 19 00-3098	EA 4" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
	Coat, Ductile Iron Pipe.....	2,315.26		205.27
	For Class 52 Rating, Deduct	-220.47		
	For Class 54 Rating, Add	304.37		
	For Class 55 Rating, Add	454.41		
	For Class 56 Rating, Add	602.45		
40 05 19 00-3099	EA 4" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
	Coat, Ductile Iron Pipe.....	2,428.27		208.16
	For Class 52 Rating, Deduct	-232.42		
	For Class 54 Rating, Add	320.72		
	For Class 55 Rating, Add	478.74		
	For Class 56 Rating, Add	634.66		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3100	EA		4" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,541.30	211.05
			For Class 52 Rating, Deduct.....	-244.37	
			For Class 54 Rating, Add.....	337.07	
			For Class 55 Rating, Add.....	503.08	
			For Class 56 Rating, Add.....	666.87	
40 05 19 00-3101	EA		4" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,654.30	213.92
			For Class 52 Rating, Deduct.....	-256.32	
			For Class 54 Rating, Add.....	353.42	
			For Class 55 Rating, Add.....	527.41	
			For Class 56 Rating, Add.....	699.07	
40 05 19 00-3102	EA		4" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,767.32	216.81
			For Class 52 Rating, Deduct.....	-268.27	
			For Class 54 Rating, Add.....	369.77	
			For Class 55 Rating, Add.....	551.74	
			For Class 56 Rating, Add.....	731.28	
40 05 19 00-3103	EA		4" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,880.34	219.69
			For Class 52 Rating, Deduct.....	-280.22	
			For Class 54 Rating, Add.....	386.12	
			For Class 55 Rating, Add.....	576.08	
			For Class 56 Rating, Add.....	763.49	
40 05 19 00-3104	EA		4" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,993.35	222.58
			For Class 52 Rating, Deduct.....	-292.17	
			For Class 54 Rating, Add.....	402.46	
			For Class 55 Rating, Add.....	600.41	
			For Class 56 Rating, Add.....	795.70	
40 05 19 00-3105	EA		4" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,106.36	225.45
			For Class 52 Rating, Deduct.....	-304.12	
			For Class 54 Rating, Add.....	418.81	
			For Class 55 Rating, Add.....	624.74	
			For Class 56 Rating, Add.....	827.90	
40 05 19 00-3106	EA		4" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,219.39	228.34
			For Class 52 Rating, Deduct.....	-316.08	
			For Class 54 Rating, Add.....	435.16	
			For Class 55 Rating, Add.....	649.08	
			For Class 56 Rating, Add.....	860.11	
40 05 19 00-3107	EA		4" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,332.39	231.23
			For Class 52 Rating, Deduct.....	-328.03	
			For Class 54 Rating, Add.....	451.51	
			For Class 55 Rating, Add.....	673.41	
			For Class 56 Rating, Add.....	892.32	
40 05 19 00-3108	EA		4" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,725.60	234.10
			For Class 52 Rating, Deduct.....	-370.80	
			For Class 54 Rating, Add.....	509.89	
			For Class 55 Rating, Add.....	760.22	
			For Class 56 Rating, Add.....	1,007.18	
40 05 19 00-3109	EA		4" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,838.62	236.99
			For Class 52 Rating, Deduct.....	-382.75	
			For Class 54 Rating, Add.....	526.24	
			For Class 55 Rating, Add.....	784.56	
			For Class 56 Rating, Add.....	1,039.39	
40 05 19 00-3110	EA		4" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,951.64	239.88
			For Class 52 Rating, Deduct.....	-394.70	
			For Class 54 Rating, Add.....	542.59	
			For Class 55 Rating, Add.....	808.89	
			For Class 56 Rating, Add.....	1,071.60	
40 05 19 00-3111	EA		4" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	4,064.64	242.76
			For Class 52 Rating, Deduct.....	-406.65	
			For Class 54 Rating, Add.....	558.94	
			For Class 55 Rating, Add.....	833.22	
			For Class 56 Rating, Add.....	1,103.81	
40 05 19 00-3112	EA		4" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	4,177.67	245.64
			For Class 52 Rating, Deduct.....	-418.60	
			For Class 54 Rating, Add.....	575.29	
			For Class 55 Rating, Add.....	857.56	
			For Class 56 Rating, Add.....	1,136.02	
40 05 19 00-3113	EA		4" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	4,290.68	248.52
			For Class 52 Rating, Deduct.....	-430.56	
			For Class 54 Rating, Add.....	591.64	
			For Class 55 Rating, Add.....	881.89	
			For Class 56 Rating, Add.....	1,168.23	
40 05 19 00-3114	EA		4" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	4,403.69	251.41
			For Class 52 Rating, Deduct.....	-442.51	
			For Class 54 Rating, Add.....	607.99	
			For Class 55 Rating, Add.....	906.22	
			For Class 56 Rating, Add.....	1,200.43	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-3115	EA	4" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,516.71	254.30
		For Class 52 Rating, Deduct	-454.46	
		For Class 54 Rating, Add	624.34	
		For Class 55 Rating, Add	930.56	
		For Class 56 Rating, Add	1,232.64	
40 05 19 00-3116	EA	4" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,629.73	257.17
		For Class 52 Rating, Deduct	-466.41	
		For Class 54 Rating, Add	640.69	
		For Class 55 Rating, Add	954.89	
		For Class 56 Rating, Add	1,264.85	
40 05 19 00-3117	EA	4" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,742.73	260.06
		For Class 52 Rating, Deduct	-478.36	
		For Class 54 Rating, Add	657.04	
		For Class 55 Rating, Add	979.22	
		For Class 56 Rating, Add	1,297.06	
40 05 19 00-3118	EA	4" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,855.76	262.94
		For Class 52 Rating, Deduct	-490.31	
		For Class 54 Rating, Add	673.39	
		For Class 55 Rating, Add	1,003.55	
		For Class 56 Rating, Add	1,329.27	
40 05 19 00-3119	EA	4" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,968.76	265.81
		For Class 52 Rating, Deduct	-502.26	
		For Class 54 Rating, Add	689.73	
		For Class 55 Rating, Add	1,027.89	
		For Class 56 Rating, Add	1,361.47	
40 05 19 00-3120	EA	4" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,081.78	268.70
		For Class 52 Rating, Deduct	-514.21	
		For Class 54 Rating, Add	706.08	
		For Class 55 Rating, Add	1,052.22	
		For Class 56 Rating, Add	1,393.68	
40 05 19 00-3121	EA	4" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,194.80	271.59
		For Class 52 Rating, Deduct	-526.16	
		For Class 54 Rating, Add	722.43	
		For Class 55 Rating, Add	1,076.55	
		For Class 56 Rating, Add	1,425.89	
40 05 19 00-3122	EA	4" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,307.81	274.48
		For Class 52 Rating, Deduct	-538.11	
		For Class 54 Rating, Add	738.78	
		For Class 55 Rating, Add	1,100.89	
		For Class 56 Rating, Add	1,458.10	

40 05 19 00-3123 6" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe

(40 05 19 00-3082)

40 05 19 00-3124	EA	6" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	900.64	207.58
		For Class 52 Rating, Deduct	-64.47	
		For Class 54 Rating, Add	91.69	
		For Class 55 Rating, Add	138.25	
		For Class 56 Rating, Add	184.23	
40 05 19 00-3125	EA	6" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,030.81	210.48
		For Class 52 Rating, Deduct	-78.31	
		For Class 54 Rating, Add	110.61	
		For Class 55 Rating, Add	166.41	
		For Class 56 Rating, Add	221.50	
40 05 19 00-3126	EA	6" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,160.97	213.35
		For Class 52 Rating, Deduct	-92.15	
		For Class 54 Rating, Add	129.54	
		For Class 55 Rating, Add	194.57	
		For Class 56 Rating, Add	258.76	
40 05 19 00-3127	EA	6" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,291.15	216.23
		For Class 52 Rating, Deduct	-105.99	
		For Class 54 Rating, Add	148.46	
		For Class 55 Rating, Add	222.73	
		For Class 56 Rating, Add	296.03	
40 05 19 00-3128	EA	6" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,421.31	219.12
		For Class 52 Rating, Deduct	-119.83	
		For Class 54 Rating, Add	167.38	
		For Class 55 Rating, Add	250.89	
		For Class 56 Rating, Add	333.30	
40 05 19 00-3129	EA	6" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,551.49	221.99
		For Class 52 Rating, Deduct	-133.66	
		For Class 54 Rating, Add	186.31	
		For Class 55 Rating, Add	279.05	
		For Class 56 Rating, Add	370.57	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3130	EA		6" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	1,681.66	224.88
			For Class 52 Rating, Deduct	-147.50	
			For Class 54 Rating, Add	205.23	
			For Class 55 Rating, Add	307.20	
			For Class 56 Rating, Add	407.84	
40 05 19 00-3131	EA		6" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	1,811.83	227.77
			For Class 52 Rating, Deduct	-161.34	
			For Class 54 Rating, Add	224.15	
			For Class 55 Rating, Add	335.36	
			For Class 56 Rating, Add	445.11	
40 05 19 00-3132	EA		6" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	1,941.99	230.65
			For Class 52 Rating, Deduct	-175.18	
			For Class 54 Rating, Add	243.07	
			For Class 55 Rating, Add	363.52	
			For Class 56 Rating, Add	482.38	
40 05 19 00-3133	EA		6" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,072.17	233.53
			For Class 52 Rating, Deduct	-189.02	
			For Class 54 Rating, Add	262.00	
			For Class 55 Rating, Add	391.68	
			For Class 56 Rating, Add	519.65	
40 05 19 00-3134	EA		6" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,202.33	236.41
			For Class 52 Rating, Deduct	-202.85	
			For Class 54 Rating, Add	280.92	
			For Class 55 Rating, Add	419.84	
			For Class 56 Rating, Add	556.91	
40 05 19 00-3135	EA		6" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,332.50	239.30
			For Class 52 Rating, Deduct	-216.69	
			For Class 54 Rating, Add	299.84	
			For Class 55 Rating, Add	448.00	
			For Class 56 Rating, Add	594.18	
40 05 19 00-3136	EA		6" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,462.68	242.18
			For Class 52 Rating, Deduct	-230.53	
			For Class 54 Rating, Add	318.76	
			For Class 55 Rating, Add	476.16	
			For Class 56 Rating, Add	631.45	
40 05 19 00-3137	EA		6" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,592.85	245.06
			For Class 52 Rating, Deduct	-244.37	
			For Class 54 Rating, Add	337.69	
			For Class 55 Rating, Add	504.31	
			For Class 56 Rating, Add	668.72	
40 05 19 00-3138	EA		6" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,723.01	247.95
			For Class 52 Rating, Deduct	-258.21	
			For Class 54 Rating, Add	356.61	
			For Class 55 Rating, Add	532.47	
			For Class 56 Rating, Add	705.99	
40 05 19 00-3139	EA		6" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,853.19	250.83
			For Class 52 Rating, Deduct	-272.05	
			For Class 54 Rating, Add	375.53	
			For Class 55 Rating, Add	560.63	
			For Class 56 Rating, Add	743.26	
40 05 19 00-3140	EA		6" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,983.35	253.70
			For Class 52 Rating, Deduct	-285.88	
			For Class 54 Rating, Add	394.45	
			For Class 55 Rating, Add	588.79	
			For Class 56 Rating, Add	780.53	
40 05 19 00-3141	EA		6" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,113.52	256.60
			For Class 52 Rating, Deduct	-299.72	
			For Class 54 Rating, Add	413.38	
			For Class 55 Rating, Add	616.95	
			For Class 56 Rating, Add	817.79	
40 05 19 00-3142	EA		6" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,243.69	259.48
			For Class 52 Rating, Deduct	-313.56	
			For Class 54 Rating, Add	432.30	
			For Class 55 Rating, Add	645.11	
			For Class 56 Rating, Add	855.06	
40 05 19 00-3143	EA		6" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,373.86	262.37
			For Class 52 Rating, Deduct	-327.40	
			For Class 54 Rating, Add	451.22	
			For Class 55 Rating, Add	673.26	
			For Class 56 Rating, Add	892.33	
40 05 19 00-3144	EA		6" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,504.03	265.24
			For Class 52 Rating, Deduct	-341.24	
			For Class 54 Rating, Add	470.15	
			For Class 55 Rating, Add	701.42	
			For Class 56 Rating, Add	929.60	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-3145	EA	6" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	3,634.21	268.12
		For Class 52 Rating, Deduct	-355.07	
		For Class 54 Rating, Add	489.07	
		For Class 55 Rating, Add	729.58	
		For Class 56 Rating, Add	966.87	
40 05 19 00-3146	EA	6" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	3,764.37	271.02
		For Class 52 Rating, Deduct	-368.91	
		For Class 54 Rating, Add	507.99	
		For Class 55 Rating, Add	757.74	
		For Class 56 Rating, Add	1,004.14	
40 05 19 00-3147	EA	6" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	3,894.54	273.89
		For Class 52 Rating, Deduct	-382.75	
		For Class 54 Rating, Add	526.91	
		For Class 55 Rating, Add	785.90	
		For Class 56 Rating, Add	1,041.41	
40 05 19 00-3148	EA	6" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	4,024.71	276.78
		For Class 52 Rating, Deduct	-396.59	
		For Class 54 Rating, Add	545.83	
		For Class 55 Rating, Add	814.06	
		For Class 56 Rating, Add	1,078.68	
40 05 19 00-3149	EA	6" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	4,154.88	279.66
		For Class 52 Rating, Deduct	-410.43	
		For Class 54 Rating, Add	564.76	
		For Class 55 Rating, Add	842.22	
		For Class 56 Rating, Add	1,115.94	
40 05 19 00-3150	EA	6" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	4,285.04	282.54
		For Class 52 Rating, Deduct	-424.26	
		For Class 54 Rating, Add	583.68	
		For Class 55 Rating, Add	870.37	
		For Class 56 Rating, Add	1,153.21	
40 05 19 00-3151	EA	6" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	4,415.22	285.43
		For Class 52 Rating, Deduct	-438.10	
		For Class 54 Rating, Add	602.60	
		For Class 55 Rating, Add	898.53	
		For Class 56 Rating, Add	1,190.48	
40 05 19 00-3152	EA	6" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	4,545.39	288.31
		For Class 52 Rating, Deduct	-451.94	
		For Class 54 Rating, Add	621.53	
		For Class 55 Rating, Add	926.69	
		For Class 56 Rating, Add	1,227.75	
40 05 19 00-3153	EA	6" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	4,675.56	291.20
		For Class 52 Rating, Deduct	-465.78	
		For Class 54 Rating, Add	640.45	
		For Class 55 Rating, Add	954.85	
		For Class 56 Rating, Add	1,265.02	
40 05 19 00-3154	EA	6" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	4,805.73	294.07
		For Class 52 Rating, Deduct	-479.62	
		For Class 54 Rating, Add	659.37	
		For Class 55 Rating, Add	983.01	
		For Class 56 Rating, Add	1,302.29	
40 05 19 00-3155	EA	6" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	4,935.90	296.95
		For Class 52 Rating, Deduct	-493.46	
		For Class 54 Rating, Add	678.29	
		For Class 55 Rating, Add	1,011.17	
		For Class 56 Rating, Add	1,339.56	
40 05 19 00-3156	EA	6" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	5,066.06	299.85
		For Class 52 Rating, Deduct	-507.29	
		For Class 54 Rating, Add	697.22	
		For Class 55 Rating, Add	1,039.33	
		For Class 56 Rating, Add	1,376.82	
40 05 19 00-3157	EA	6" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	5,196.24	302.73
		For Class 52 Rating, Deduct	-521.13	
		For Class 54 Rating, Add	716.14	
		For Class 55 Rating, Add	1,067.48	
		For Class 56 Rating, Add	1,414.09	
40 05 19 00-3158	EA	6" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	5,326.40	305.60
		For Class 52 Rating, Deduct	-534.97	
		For Class 54 Rating, Add	735.06	
		For Class 55 Rating, Add	1,095.64	
		For Class 56 Rating, Add	1,451.36	
40 05 19 00-3159	EA	6" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	5,456.57	308.49
		For Class 52 Rating, Deduct	-548.81	
		For Class 54 Rating, Add	753.98	
		For Class 55 Rating, Add	1,123.80	
		For Class 56 Rating, Add	1,488.63	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3160	EA		6" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	5,586.75	311.37
			For Class 52 Rating, Deduct.....	-562.65	
			For Class 54 Rating, Add.....	772.91	
			For Class 55 Rating, Add.....	1,151.96	
			For Class 56 Rating, Add.....	1,525.90	
40 05 19 00-3161	EA		6" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	5,716.92	314.26
			For Class 52 Rating, Deduct.....	-576.48	
			For Class 54 Rating, Add.....	791.83	
			For Class 55 Rating, Add.....	1,180.12	
			For Class 56 Rating, Add.....	1,563.17	
40 05 19 00-3162	EA		6" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	5,847.08	317.14
			For Class 52 Rating, Deduct.....	-590.32	
			For Class 54 Rating, Add.....	810.75	
			For Class 55 Rating, Add.....	1,208.28	
			For Class 56 Rating, Add.....	1,600.44	
40 05 19 00-3163			8" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-3082)		
40 05 19 00-3164	EA		8" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	1,228.17	265.24
			For Class 52 Rating, Deduct.....	-90.89	
			For Class 54 Rating, Add.....	128.77	
			For Class 55 Rating, Add.....	193.91	
			For Class 56 Rating, Add.....	258.22	
40 05 19 00-3165	EA		8" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	1,395.52	268.12
			For Class 52 Rating, Deduct.....	-108.82	
			For Class 54 Rating, Add.....	153.26	
			For Class 55 Rating, Add.....	230.36	
			For Class 56 Rating, Add.....	306.46	
40 05 19 00-3166	EA		8" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	1,562.85	271.02
			For Class 52 Rating, Deduct.....	-126.75	
			For Class 54 Rating, Add.....	177.76	
			For Class 55 Rating, Add.....	266.80	
			For Class 56 Rating, Add.....	354.69	
40 05 19 00-3167	EA		8" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	1,730.19	273.89
			For Class 52 Rating, Deduct.....	-144.67	
			For Class 54 Rating, Add.....	202.26	
			For Class 55 Rating, Add.....	303.25	
			For Class 56 Rating, Add.....	402.92	
40 05 19 00-3168	EA		8" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	1,897.52	276.78
			For Class 52 Rating, Deduct.....	-162.60	
			For Class 54 Rating, Add.....	226.76	
			For Class 55 Rating, Add.....	339.69	
			For Class 56 Rating, Add.....	451.15	
40 05 19 00-3169	EA		8" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,064.86	279.66
			For Class 52 Rating, Deduct.....	-180.52	
			For Class 54 Rating, Add.....	251.25	
			For Class 55 Rating, Add.....	376.14	
			For Class 56 Rating, Add.....	499.39	
40 05 19 00-3170	EA		8" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,232.19	282.54
			For Class 52 Rating, Deduct.....	-198.45	
			For Class 54 Rating, Add.....	275.75	
			For Class 55 Rating, Add.....	412.59	
			For Class 56 Rating, Add.....	547.62	
40 05 19 00-3171	EA		8" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,399.54	285.43
			For Class 52 Rating, Deduct.....	-216.38	
			For Class 54 Rating, Add.....	300.25	
			For Class 55 Rating, Add.....	449.04	
			For Class 56 Rating, Add.....	595.85	
40 05 19 00-3172	EA		8" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,566.87	288.31
			For Class 52 Rating, Deduct.....	-234.30	
			For Class 54 Rating, Add.....	324.75	
			For Class 55 Rating, Add.....	485.48	
			For Class 56 Rating, Add.....	644.09	
40 05 19 00-3173	EA		8" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,734.21	291.20
			For Class 52 Rating, Deduct.....	-252.23	
			For Class 54 Rating, Add.....	349.25	
			For Class 55 Rating, Add.....	521.93	
			For Class 56 Rating, Add.....	692.32	
40 05 19 00-3174	EA		8" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,901.55	294.07
			For Class 52 Rating, Deduct.....	-270.16	
			For Class 54 Rating, Add.....	373.74	
			For Class 55 Rating, Add.....	558.38	
			For Class 56 Rating, Add.....	740.55	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-3175	EA	8" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	3,068.89	296.95
		For Class 52 Rating, Deduct	-288.08	
		For Class 54 Rating, Add	398.24	
		For Class 55 Rating, Add	594.82	
		For Class 56 Rating, Add	788.79	
40 05 19 00-3176	EA	8" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	3,236.22	299.85
		For Class 52 Rating, Deduct	-306.01	
		For Class 54 Rating, Add	422.74	
		For Class 55 Rating, Add	631.27	
		For Class 56 Rating, Add	837.02	
40 05 19 00-3177	EA	8" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	3,403.57	302.73
		For Class 52 Rating, Deduct	-323.94	
		For Class 54 Rating, Add	447.24	
		For Class 55 Rating, Add	667.72	
		For Class 56 Rating, Add	885.26	
40 05 19 00-3178	EA	8" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	3,570.90	305.60
		For Class 52 Rating, Deduct	-341.86	
		For Class 54 Rating, Add	471.74	
		For Class 55 Rating, Add	704.17	
		For Class 56 Rating, Add	933.49	
40 05 19 00-3179	EA	8" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	3,738.24	308.49
		For Class 52 Rating, Deduct	-359.79	
		For Class 54 Rating, Add	496.23	
		For Class 55 Rating, Add	740.61	
		For Class 56 Rating, Add	981.72	
40 05 19 00-3180	EA	8" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	3,905.58	311.37
		For Class 52 Rating, Deduct	-377.72	
		For Class 54 Rating, Add	520.73	
		For Class 55 Rating, Add	777.06	
		For Class 56 Rating, Add	1,029.96	
40 05 19 00-3181	EA	8" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	4,072.92	314.26
		For Class 52 Rating, Deduct	-395.64	
		For Class 54 Rating, Add	545.23	
		For Class 55 Rating, Add	813.51	
		For Class 56 Rating, Add	1,078.19	
40 05 19 00-3182	EA	8" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	4,240.25	317.14
		For Class 52 Rating, Deduct	-413.57	
		For Class 54 Rating, Add	569.73	
		For Class 55 Rating, Add	849.95	
		For Class 56 Rating, Add	1,126.42	
40 05 19 00-3183	EA	8" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	4,407.60	320.02
		For Class 52 Rating, Deduct	-431.50	
		For Class 54 Rating, Add	594.23	
		For Class 55 Rating, Add	886.40	
		For Class 56 Rating, Add	1,174.66	
40 05 19 00-3184	EA	8" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	4,574.93	322.91
		For Class 52 Rating, Deduct	-449.42	
		For Class 54 Rating, Add	618.72	
		For Class 55 Rating, Add	922.85	
		For Class 56 Rating, Add	1,222.89	
40 05 19 00-3185	EA	8" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	4,742.27	325.78
		For Class 52 Rating, Deduct	-467.35	
		For Class 54 Rating, Add	643.22	
		For Class 55 Rating, Add	959.30	
		For Class 56 Rating, Add	1,271.12	
40 05 19 00-3186	EA	8" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	4,909.61	328.68
		For Class 52 Rating, Deduct	-485.28	
		For Class 54 Rating, Add	667.72	
		For Class 55 Rating, Add	995.74	
		For Class 56 Rating, Add	1,319.36	
40 05 19 00-3187	EA	8" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	5,076.95	331.56
		For Class 52 Rating, Deduct	-503.20	
		For Class 54 Rating, Add	692.22	
		For Class 55 Rating, Add	1,032.19	
		For Class 56 Rating, Add	1,367.59	
40 05 19 00-3188	EA	8" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	5,244.28	334.44
		For Class 52 Rating, Deduct	-521.13	
		For Class 54 Rating, Add	716.71	
		For Class 55 Rating, Add	1,068.64	
		For Class 56 Rating, Add	1,415.82	
40 05 19 00-3189	EA	8" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	5,411.63	337.32
		For Class 52 Rating, Deduct	-539.06	
		For Class 54 Rating, Add	741.21	
		For Class 55 Rating, Add	1,105.08	
		For Class 56 Rating, Add	1,464.06	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3190	EA		8" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	5,578.96	340.20
			For Class 52 Rating, Deduct.....	-556.99	
			For Class 54 Rating, Add.....	765.71	
			For Class 55 Rating, Add.....	1,141.53	
			For Class 56 Rating, Add.....	1,512.29	
40 05 19 00-3191	EA		8" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	5,746.30	343.10
			For Class 52 Rating, Deduct.....	-574.91	
			For Class 54 Rating, Add.....	790.21	
			For Class 55 Rating, Add.....	1,177.98	
			For Class 56 Rating, Add.....	1,560.52	
40 05 19 00-3192	EA		8" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	5,913.64	345.97
			For Class 52 Rating, Deduct.....	-592.84	
			For Class 54 Rating, Add.....	814.71	
			For Class 55 Rating, Add.....	1,214.43	
			For Class 56 Rating, Add.....	1,608.76	
40 05 19 00-3193	EA		8" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	6,080.98	348.85
			For Class 52 Rating, Deduct.....	-610.77	
			For Class 54 Rating, Add.....	839.20	
			For Class 55 Rating, Add.....	1,250.87	
			For Class 56 Rating, Add.....	1,656.99	
40 05 19 00-3194	EA		8" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	6,248.31	351.74
			For Class 52 Rating, Deduct.....	-628.69	
			For Class 54 Rating, Add.....	863.70	
			For Class 55 Rating, Add.....	1,287.32	
			For Class 56 Rating, Add.....	1,705.22	
40 05 19 00-3195	EA		8" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	6,415.66	354.62
			For Class 52 Rating, Deduct.....	-646.62	
			For Class 54 Rating, Add.....	888.20	
			For Class 55 Rating, Add.....	1,323.77	
			For Class 56 Rating, Add.....	1,753.46	
40 05 19 00-3196	EA		8" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	6,582.99	357.51
			For Class 52 Rating, Deduct.....	-664.55	
			For Class 54 Rating, Add.....	912.70	
			For Class 55 Rating, Add.....	1,360.21	
			For Class 56 Rating, Add.....	1,801.69	
40 05 19 00-3197	EA		8" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	6,750.33	360.39
			For Class 52 Rating, Deduct.....	-682.47	
			For Class 54 Rating, Add.....	937.20	
			For Class 55 Rating, Add.....	1,396.66	
			For Class 56 Rating, Add.....	1,849.92	
40 05 19 00-3198	EA		8" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	6,917.67	363.27
			For Class 52 Rating, Deduct.....	-700.40	
			For Class 54 Rating, Add.....	961.69	
			For Class 55 Rating, Add.....	1,433.11	
			For Class 56 Rating, Add.....	1,898.16	
40 05 19 00-3199	EA		8" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	7,085.01	366.15
			For Class 52 Rating, Deduct.....	-718.33	
			For Class 54 Rating, Add.....	986.19	
			For Class 55 Rating, Add.....	1,469.56	
			For Class 56 Rating, Add.....	1,946.39	
40 05 19 00-3200	EA		8" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	7,252.34	369.03
			For Class 52 Rating, Deduct.....	-736.25	
			For Class 54 Rating, Add.....	1,010.69	
			For Class 55 Rating, Add.....	1,506.00	
			For Class 56 Rating, Add.....	1,994.62	
40 05 19 00-3201	EA		8" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	7,419.69	371.93
			For Class 52 Rating, Deduct.....	-754.18	
			For Class 54 Rating, Add.....	1,035.19	
			For Class 55 Rating, Add.....	1,542.45	
			For Class 56 Rating, Add.....	2,042.86	
40 05 19 00-3202	EA		8" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	7,587.02	374.81
			For Class 52 Rating, Deduct.....	-772.11	
			For Class 54 Rating, Add.....	1,059.69	
			For Class 55 Rating, Add.....	1,578.90	
			For Class 56 Rating, Add.....	2,091.09	
40 05 19 00-3203			10" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-3082)		
40 05 19 00-3204	EA		10" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	1,549.98	322.91
			For Class 52 Rating, Deduct.....	-116.68	
			For Class 54 Rating, Add.....	164.98	
			For Class 55 Rating, Add.....	248.28	
			For Class 56 Rating, Add.....	330.53	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-3205	EA	10" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	1,765.93	325.78
		For Class 52 Rating, Deduct	-139.95	
		For Class 54 Rating, Add	196.77	
		For Class 55 Rating, Add	295.57	
		For Class 56 Rating, Add	393.10	
40 05 19 00-3206	EA	10" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	1,981.87	328.68
		For Class 52 Rating, Deduct	-163.23	
		For Class 54 Rating, Add	228.56	
		For Class 55 Rating, Add	342.86	
		For Class 56 Rating, Add	455.67	
40 05 19 00-3207	EA	10" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	2,197.82	331.56
		For Class 52 Rating, Deduct	-186.50	
		For Class 54 Rating, Add	260.35	
		For Class 55 Rating, Add	390.14	
		For Class 56 Rating, Add	518.25	
40 05 19 00-3208	EA	10" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	2,413.75	334.44
		For Class 52 Rating, Deduct	-209.77	
		For Class 54 Rating, Add	292.14	
		For Class 55 Rating, Add	437.43	
		For Class 56 Rating, Add	580.82	
40 05 19 00-3209	EA	10" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	2,629.71	337.32
		For Class 52 Rating, Deduct	-233.05	
		For Class 54 Rating, Add	323.92	
		For Class 55 Rating, Add	484.72	
		For Class 56 Rating, Add	643.39	
40 05 19 00-3210	EA	10" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	2,845.64	340.20
		For Class 52 Rating, Deduct	-256.32	
		For Class 54 Rating, Add	355.71	
		For Class 55 Rating, Add	532.00	
		For Class 56 Rating, Add	705.96	
40 05 19 00-3211	EA	10" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	3,061.59	343.10
		For Class 52 Rating, Deduct	-279.59	
		For Class 54 Rating, Add	387.50	
		For Class 55 Rating, Add	579.29	
		For Class 56 Rating, Add	768.53	
40 05 19 00-3212	EA	10" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	3,277.53	345.97
		For Class 52 Rating, Deduct	-302.87	
		For Class 54 Rating, Add	419.29	
		For Class 55 Rating, Add	626.57	
		For Class 56 Rating, Add	831.10	
40 05 19 00-3213	EA	10" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	3,493.48	348.85
		For Class 52 Rating, Deduct	-326.14	
		For Class 54 Rating, Add	451.08	
		For Class 55 Rating, Add	673.86	
		For Class 56 Rating, Add	893.68	
40 05 19 00-3214	EA	10" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	3,709.41	351.74
		For Class 52 Rating, Deduct	-349.41	
		For Class 54 Rating, Add	482.87	
		For Class 55 Rating, Add	721.15	
		For Class 56 Rating, Add	956.25	
40 05 19 00-3215	EA	10" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	3,925.37	354.62
		For Class 52 Rating, Deduct	-372.69	
		For Class 54 Rating, Add	514.66	
		For Class 55 Rating, Add	768.43	
		For Class 56 Rating, Add	1,018.82	
40 05 19 00-3216	EA	10" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	4,141.30	357.51
		For Class 52 Rating, Deduct	-395.96	
		For Class 54 Rating, Add	546.44	
		For Class 55 Rating, Add	815.72	
		For Class 56 Rating, Add	1,081.39	
40 05 19 00-3217	EA	10" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	4,357.25	360.39
		For Class 52 Rating, Deduct	-419.23	
		For Class 54 Rating, Add	578.23	
		For Class 55 Rating, Add	863.00	
		For Class 56 Rating, Add	1,143.96	
40 05 19 00-3218	EA	10" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	4,573.19	363.27
		For Class 52 Rating, Deduct	-442.51	
		For Class 54 Rating, Add	610.02	
		For Class 55 Rating, Add	910.29	
		For Class 56 Rating, Add	1,206.53	
40 05 19 00-3219	EA	10" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	4,789.14	366.15
		For Class 52 Rating, Deduct	-465.78	
		For Class 54 Rating, Add	641.81	
		For Class 55 Rating, Add	957.58	
		For Class 56 Rating, Add	1,269.11	

MINOR		DESCRIPTION	TOTAL DIRECT		DEMOLITION
CSI	UOM		UNIT COST	UNIT COST	
40 05 19 00-3220	EA	10" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	5,005.07		369.03
		For Class 52 Rating, Deduct	-489.05		
		For Class 54 Rating, Add	673.60		
		For Class 55 Rating, Add	1,004.66		
		For Class 56 Rating, Add	1,331.68		
40 05 19 00-3221	EA	10" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	5,221.03		371.93
		For Class 52 Rating, Deduct	-512.33		
		For Class 54 Rating, Add	705.39		
		For Class 55 Rating, Add	1,052.15		
		For Class 56 Rating, Add	1,394.25		
40 05 19 00-3222	EA	10" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	5,436.96		374.81
		For Class 52 Rating, Deduct	-535.60		
		For Class 54 Rating, Add	737.18		
		For Class 55 Rating, Add	1,099.43		
		For Class 56 Rating, Add	1,456.82		
40 05 19 00-3223	EA	10" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	5,652.91		377.68
		For Class 52 Rating, Deduct	-558.87		
		For Class 54 Rating, Add	768.97		
		For Class 55 Rating, Add	1,146.72		
		For Class 56 Rating, Add	1,519.40		
40 05 19 00-3224	EA	10" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	5,868.85		380.57
		For Class 52 Rating, Deduct	-582.15		
		For Class 54 Rating, Add	800.75		
		For Class 55 Rating, Add	1,194.01		
		For Class 56 Rating, Add	1,581.97		
40 05 19 00-3225	EA	10" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	6,084.80		383.45
		For Class 52 Rating, Deduct	-605.42		
		For Class 54 Rating, Add	832.54		
		For Class 55 Rating, Add	1,241.29		
		For Class 56 Rating, Add	1,644.54		
40 05 19 00-3226	EA	10" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	6,300.73		386.32
		For Class 52 Rating, Deduct	-628.69		
		For Class 54 Rating, Add	864.33		
		For Class 55 Rating, Add	1,288.58		
		For Class 56 Rating, Add	1,707.11		
40 05 19 00-3227	EA	10" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	6,516.69		389.22
		For Class 52 Rating, Deduct	-651.97		
		For Class 54 Rating, Add	896.12		
		For Class 55 Rating, Add	1,335.87		
		For Class 56 Rating, Add	1,769.68		
40 05 19 00-3228	EA	10" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	6,732.62		392.10
		For Class 52 Rating, Deduct	-675.24		
		For Class 54 Rating, Add	927.91		
		For Class 55 Rating, Add	1,383.15		
		For Class 56 Rating, Add	1,832.25		
40 05 19 00-3229	EA	10" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	6,948.57		394.99
		For Class 52 Rating, Deduct	-698.51		
		For Class 54 Rating, Add	959.70		
		For Class 55 Rating, Add	1,430.44		
		For Class 56 Rating, Add	1,894.83		
40 05 19 00-3230	EA	10" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	7,164.51		397.86
		For Class 52 Rating, Deduct	-721.78		
		For Class 54 Rating, Add	991.49		
		For Class 55 Rating, Add	1,477.72		
		For Class 56 Rating, Add	1,957.40		
40 05 19 00-3231	EA	10" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	7,380.46		400.75
		For Class 52 Rating, Deduct	-745.06		
		For Class 54 Rating, Add	1,023.28		
		For Class 55 Rating, Add	1,525.01		
		For Class 56 Rating, Add	2,019.97		
40 05 19 00-3232	EA	10" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	7,596.39		403.64
		For Class 52 Rating, Deduct	-768.33		
		For Class 54 Rating, Add	1,055.06		
		For Class 55 Rating, Add	1,572.29		
		For Class 56 Rating, Add	2,082.54		
40 05 19 00-3233	EA	10" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	7,812.34		406.52
		For Class 52 Rating, Deduct	-791.60		
		For Class 54 Rating, Add	1,086.85		
		For Class 55 Rating, Add	1,619.58		
		For Class 56 Rating, Add	2,145.11		
40 05 19 00-3234	EA	10" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	8,028.28		409.40
		For Class 52 Rating, Deduct	-814.88		
		For Class 54 Rating, Add	1,118.64		
		For Class 55 Rating, Add	1,666.87		
		For Class 56 Rating, Add	2,207.68		

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-3235	EA	10" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	8,244.22	412.28
		For Class 52 Rating, Deduct	-838.15	
		For Class 54 Rating, Add	1,150.43	
		For Class 55 Rating, Add	1,714.15	
		For Class 56 Rating, Add	2,270.26	
40 05 19 00-3236	EA	10" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	8,460.17	415.17
		For Class 52 Rating, Deduct	-861.42	
		For Class 54 Rating, Add	1,182.22	
		For Class 55 Rating, Add	1,761.44	
		For Class 56 Rating, Add	2,332.83	
40 05 19 00-3237	EA	10" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	8,676.11	418.05
		For Class 52 Rating, Deduct	-884.70	
		For Class 54 Rating, Add	1,214.01	
		For Class 55 Rating, Add	1,808.72	
		For Class 56 Rating, Add	2,395.40	
40 05 19 00-3238	EA	10" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	8,892.05	420.93
		For Class 52 Rating, Deduct	-907.97	
		For Class 54 Rating, Add	1,245.80	
		For Class 55 Rating, Add	1,856.01	
		For Class 56 Rating, Add	2,457.97	
40 05 19 00-3239	EA	10" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	9,108.00	423.82
		For Class 52 Rating, Deduct	-931.24	
		For Class 54 Rating, Add	1,277.58	
		For Class 55 Rating, Add	1,903.30	
		For Class 56 Rating, Add	2,520.54	
40 05 19 00-3240	EA	10" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	9,323.94	426.70
		For Class 52 Rating, Deduct	-954.52	
		For Class 54 Rating, Add	1,309.37	
		For Class 55 Rating, Add	1,950.58	
		For Class 56 Rating, Add	2,583.12	
40 05 19 00-3241	EA	10" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	9,539.88	429.57
		For Class 52 Rating, Deduct	-977.79	
		For Class 54 Rating, Add	1,341.16	
		For Class 55 Rating, Add	1,997.87	
		For Class 56 Rating, Add	2,645.69	
40 05 19 00-3242	EA	10" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	9,755.83	432.47
		For Class 52 Rating, Deduct	-1,001.06	
		For Class 54 Rating, Add	1,372.95	
		For Class 55 Rating, Add	2,045.16	
		For Class 56 Rating, Add	2,708.26	

40 05 19 00-3243 12" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe

(40 05 19 00-3082)

40 05 19 00-3244	EA	12" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	2,012.53	403.64
		For Class 52 Rating, Deduct	-154.11	
		For Class 54 Rating, Add	217.48	
		For Class 55 Rating, Add	327.09	
		For Class 56 Rating, Add	435.30	
40 05 19 00-3245	EA	12" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	2,279.95	406.52
		For Class 52 Rating, Deduct	-183.04	
		For Class 54 Rating, Add	256.99	
		For Class 55 Rating, Add	385.86	
		For Class 56 Rating, Add	513.06	
40 05 19 00-3246	EA	12" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	2,547.35	409.40
		For Class 52 Rating, Deduct	-211.98	
		For Class 54 Rating, Add	296.50	
		For Class 55 Rating, Add	444.62	
		For Class 56 Rating, Add	590.81	
40 05 19 00-3247	EA	12" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	2,814.76	412.28
		For Class 52 Rating, Deduct	-240.91	
		For Class 54 Rating, Add	336.01	
		For Class 55 Rating, Add	503.38	
		For Class 56 Rating, Add	668.56	
40 05 19 00-3248	EA	12" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	3,082.16	415.17
		For Class 52 Rating, Deduct	-269.84	
		For Class 54 Rating, Add	375.52	
		For Class 55 Rating, Add	562.14	
		For Class 56 Rating, Add	746.32	
40 05 19 00-3249	EA	12" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	3,349.57	418.05
		For Class 52 Rating, Deduct	-298.78	
		For Class 54 Rating, Add	415.02	
		For Class 55 Rating, Add	620.91	
		For Class 56 Rating, Add	824.07	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3250	EA	12" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	3,616.97	420.93
		For Class 52 Rating, Deduct	-327.71	
		For Class 54 Rating, Add	454.53	
		For Class 55 Rating, Add	679.67	
		For Class 56 Rating, Add	901.82	
40 05 19 00-3251	EA	12" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	3,884.39	423.82
		For Class 52 Rating, Deduct	-356.65	
		For Class 54 Rating, Add	494.04	
		For Class 55 Rating, Add	738.43	
		For Class 56 Rating, Add	979.58	
40 05 19 00-3252	EA	12" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	4,151.79	426.70
		For Class 52 Rating, Deduct	-385.58	
		For Class 54 Rating, Add	533.55	
		For Class 55 Rating, Add	797.19	
		For Class 56 Rating, Add	1,057.33	
40 05 19 00-3253	EA	12" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	4,419.20	429.57
		For Class 52 Rating, Deduct	-414.52	
		For Class 54 Rating, Add	573.06	
		For Class 55 Rating, Add	855.96	
		For Class 56 Rating, Add	1,135.09	
40 05 19 00-3254	EA	12" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	4,686.61	432.47
		For Class 52 Rating, Deduct	-443.45	
		For Class 54 Rating, Add	612.57	
		For Class 55 Rating, Add	914.72	
		For Class 56 Rating, Add	1,212.84	
40 05 19 00-3255	EA	12" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	4,954.02	435.35
		For Class 52 Rating, Deduct	-472.38	
		For Class 54 Rating, Add	652.08	
		For Class 55 Rating, Add	973.48	
		For Class 56 Rating, Add	1,290.59	
40 05 19 00-3256	EA	12" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	5,221.42	438.22
		For Class 52 Rating, Deduct	-501.32	
		For Class 54 Rating, Add	691.58	
		For Class 55 Rating, Add	1,032.24	
		For Class 56 Rating, Add	1,368.35	
40 05 19 00-3257	EA	12" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	5,488.84	441.11
		For Class 52 Rating, Deduct	-530.25	
		For Class 54 Rating, Add	731.09	
		For Class 55 Rating, Add	1,091.01	
		For Class 56 Rating, Add	1,446.10	
40 05 19 00-3258	EA	12" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	5,756.24	444.00
		For Class 52 Rating, Deduct	-559.19	
		For Class 54 Rating, Add	770.60	
		For Class 55 Rating, Add	1,149.77	
		For Class 56 Rating, Add	1,523.86	
40 05 19 00-3259	EA	12" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	6,023.64	446.89
		For Class 52 Rating, Deduct	-588.12	
		For Class 54 Rating, Add	810.11	
		For Class 55 Rating, Add	1,208.53	
		For Class 56 Rating, Add	1,601.61	
40 05 19 00-3260	EA	12" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	6,291.05	449.76
		For Class 52 Rating, Deduct	-617.05	
		For Class 54 Rating, Add	849.62	
		For Class 55 Rating, Add	1,267.29	
		For Class 56 Rating, Add	1,679.36	
40 05 19 00-3261	EA	12" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	6,558.46	452.64
		For Class 52 Rating, Deduct	-645.99	
		For Class 54 Rating, Add	889.12	
		For Class 55 Rating, Add	1,326.06	
		For Class 56 Rating, Add	1,757.12	
40 05 19 00-3262	EA	12" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	6,825.86	455.53
		For Class 52 Rating, Deduct	-674.92	
		For Class 54 Rating, Add	928.63	
		For Class 55 Rating, Add	1,384.82	
		For Class 56 Rating, Add	1,834.87	
40 05 19 00-3263	EA	12" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	7,093.28	458.40
		For Class 52 Rating, Deduct	-703.86	
		For Class 54 Rating, Add	968.14	
		For Class 55 Rating, Add	1,443.58	
		For Class 56 Rating, Add	1,912.62	
40 05 19 00-3264	EA	12" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	7,360.68	461.30
		For Class 52 Rating, Deduct	-732.79	
		For Class 54 Rating, Add	1,007.65	
		For Class 55 Rating, Add	1,502.34	
		For Class 56 Rating, Add	1,990.38	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
40 05 19 00-3265	EA 12" Flanged x Plain End (F _x PE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
	Coat, Ductile Iron Pipe.....	7,628.09		464.18
	For Class 52 Rating, Deduct	-761.73		
	For Class 54 Rating, Add	1,047.16		
	For Class 55 Rating, Add	1,561.11		
	For Class 56 Rating, Add	2,068.13		
40 05 19 00-3266	EA 12" Flanged x Plain End (F _x PE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
	Coat, Ductile Iron Pipe.....	7,895.50		467.06
	For Class 52 Rating, Deduct	-790.66		
	For Class 54 Rating, Add	1,086.67		
	For Class 55 Rating, Add	1,619.87		
	For Class 56 Rating, Add	2,145.89		
40 05 19 00-3267	EA 12" Flanged x Plain End (F _x PE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
	Coat, Ductile Iron Pipe.....	8,162.91		469.94
	For Class 52 Rating, Deduct	-819.60		
	For Class 54 Rating, Add	1,126.17		
	For Class 55 Rating, Add	1,678.63		
	For Class 56 Rating, Add	2,223.64		
40 05 19 00-3268	EA 12" Flanged x Plain End (F _x PE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
	Coat, Ductile Iron Pipe.....	8,430.31		472.82
	For Class 52 Rating, Deduct	-848.53		
	For Class 54 Rating, Add	1,165.68		
	For Class 55 Rating, Add	1,737.40		
	For Class 56 Rating, Add	2,301.39		
40 05 19 00-3269	EA 12" Flanged x Plain End (F _x PE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
	Coat, Ductile Iron Pipe.....	8,697.72		475.72
	For Class 52 Rating, Deduct	-877.46		
	For Class 54 Rating, Add	1,205.19		
	For Class 55 Rating, Add	1,796.16		
	For Class 56 Rating, Add	2,379.15		
40 05 19 00-3270	EA 12" Flanged x Plain End (F _x PE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
	Coat, Ductile Iron Pipe.....	8,965.12		478.60
	For Class 52 Rating, Deduct	-906.40		
	For Class 54 Rating, Add	1,244.70		
	For Class 55 Rating, Add	1,854.92		
	For Class 56 Rating, Add	2,456.90		
40 05 19 00-3271	EA 12" Flanged x Plain End (F _x PE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
	Coat, Ductile Iron Pipe.....	9,232.53		481.47
	For Class 52 Rating, Deduct	-935.33		
	For Class 54 Rating, Add	1,284.21		
	For Class 55 Rating, Add	1,913.68		
	For Class 56 Rating, Add	2,534.65		
40 05 19 00-3272	EA 12" Flanged x Plain End (F _x PE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
	Coat, Ductile Iron Pipe.....	9,499.94		484.36
	For Class 52 Rating, Deduct	-964.27		
	For Class 54 Rating, Add	1,323.72		
	For Class 55 Rating, Add	1,972.44		
	For Class 56 Rating, Add	2,612.41		
40 05 19 00-3273	EA 12" Flanged x Plain End (F _x PE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
	Coat, Ductile Iron Pipe.....	9,767.35		487.25
	For Class 52 Rating, Deduct	-993.20		
	For Class 54 Rating, Add	1,363.22		
	For Class 55 Rating, Add	2,031.21		
	For Class 56 Rating, Add	2,690.16		
40 05 19 00-3274	EA 12" Flanged x Plain End (F _x PE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
	Coat, Ductile Iron Pipe.....	10,034.75		490.12
	For Class 52 Rating, Deduct	-1,022.14		
	For Class 54 Rating, Add	1,402.73		
	For Class 55 Rating, Add	2,089.97		
	For Class 56 Rating, Add	2,767.92		
40 05 19 00-3275	EA 12" Flanged x Plain End (F _x PE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
	Coat, Ductile Iron Pipe.....	10,302.17		493.01
	For Class 52 Rating, Deduct	-1,051.07		
	For Class 54 Rating, Add	1,442.24		
	For Class 55 Rating, Add	2,148.73		
	For Class 56 Rating, Add	2,845.67		
40 05 19 00-3276	EA 12" Flanged x Plain End (F _x PE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
	Coat, Ductile Iron Pipe.....	10,569.57		495.89
	For Class 52 Rating, Deduct	-1,080.00		
	For Class 54 Rating, Add	1,481.75		
	For Class 55 Rating, Add	2,207.50		
	For Class 56 Rating, Add	2,923.42		
40 05 19 00-3277	EA 12" Flanged x Plain End (F _x PE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
	Coat, Ductile Iron Pipe.....	10,836.98		498.78
	For Class 52 Rating, Deduct	-1,108.94		
	For Class 54 Rating, Add	1,521.26		
	For Class 55 Rating, Add	2,266.26		
	For Class 56 Rating, Add	3,001.18		
40 05 19 00-3278	EA 12" Flanged x Plain End (F _x PE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
	Coat, Ductile Iron Pipe.....	11,104.39		501.65
	For Class 52 Rating, Deduct	-1,137.87		
	For Class 54 Rating, Add	1,560.77		
	For Class 55 Rating, Add	2,325.02		
	For Class 56 Rating, Add	3,078.93		
40 05 19 00-3279	EA 12" Flanged x Plain End (F _x PE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
	Coat, Ductile Iron Pipe.....	11,371.80		504.55
	For Class 52 Rating, Deduct	-1,166.81		
	For Class 54 Rating, Add	1,600.27		
	For Class 55 Rating, Add	2,383.78		
	For Class 56 Rating, Add	3,156.69		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3280	EA	12" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,639.19	507.43
		For Class 52 Rating, Deduct.....	-1,195.74	
		For Class 54 Rating, Add.....	1,639.78	
		For Class 55 Rating, Add.....	2,442.54	
		For Class 56 Rating, Add.....	3,234.44	
40 05 19 00-3281	EA	12" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,906.61	510.30
		For Class 52 Rating, Deduct.....	-1,224.68	
		For Class 54 Rating, Add.....	1,679.29	
		For Class 55 Rating, Add.....	2,501.31	
		For Class 56 Rating, Add.....	3,312.19	
40 05 19 00-3282	EA	12" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,174.01	513.19
		For Class 52 Rating, Deduct.....	-1,253.61	
		For Class 54 Rating, Add.....	1,718.80	
		For Class 55 Rating, Add.....	2,560.07	
		For Class 56 Rating, Add.....	3,389.94	
40 05 19 00-3283 14" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe				
		(40 05 19 00-3082)		
40 05 19 00-3284	EA	14" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,709.53	484.36
		For Class 52 Rating, Deduct.....	-217.32	
		For Class 54 Rating, Add.....	305.15	
		For Class 55 Rating, Add.....	458.18	
		For Class 56 Rating, Add.....	609.24	
40 05 19 00-3285	EA	14" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,034.12	487.25
		For Class 52 Rating, Deduct.....	-252.55	
		For Class 54 Rating, Add.....	353.24	
		For Class 55 Rating, Add.....	529.70	
		For Class 56 Rating, Add.....	703.86	
40 05 19 00-3286	EA	14" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,358.70	490.12
		For Class 52 Rating, Deduct.....	-287.77	
		For Class 54 Rating, Add.....	401.32	
		For Class 55 Rating, Add.....	601.21	
		For Class 56 Rating, Add.....	798.48	
40 05 19 00-3287	EA	14" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,683.31	493.01
		For Class 52 Rating, Deduct.....	-323.00	
		For Class 54 Rating, Add.....	449.41	
		For Class 55 Rating, Add.....	672.73	
		For Class 56 Rating, Add.....	893.11	
40 05 19 00-3288	EA	14" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,007.89	495.89
		For Class 52 Rating, Deduct.....	-358.22	
		For Class 54 Rating, Add.....	497.50	
		For Class 55 Rating, Add.....	744.24	
		For Class 56 Rating, Add.....	987.73	
40 05 19 00-3289	EA	14" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,332.48	498.78
		For Class 52 Rating, Deduct.....	-393.44	
		For Class 54 Rating, Add.....	545.58	
		For Class 55 Rating, Add.....	815.75	
		For Class 56 Rating, Add.....	1,082.35	
40 05 19 00-3290	EA	14" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,657.07	501.65
		For Class 52 Rating, Deduct.....	-428.67	
		For Class 54 Rating, Add.....	593.67	
		For Class 55 Rating, Add.....	887.27	
		For Class 56 Rating, Add.....	1,176.97	
40 05 19 00-3291	EA	14" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,981.66	504.55
		For Class 52 Rating, Deduct.....	-463.89	
		For Class 54 Rating, Add.....	641.75	
		For Class 55 Rating, Add.....	958.78	
		For Class 56 Rating, Add.....	1,271.59	
40 05 19 00-3292	EA	14" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,306.24	507.43
		For Class 52 Rating, Deduct.....	-499.12	
		For Class 54 Rating, Add.....	689.84	
		For Class 55 Rating, Add.....	1,030.30	
		For Class 56 Rating, Add.....	1,366.22	
40 05 19 00-3293	EA	14" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,630.84	510.30
		For Class 52 Rating, Deduct.....	-534.34	
		For Class 54 Rating, Add.....	737.92	
		For Class 55 Rating, Add.....	1,101.81	
		For Class 56 Rating, Add.....	1,460.84	
40 05 19 00-3294	EA	14" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,955.43	513.19
		For Class 52 Rating, Deduct.....	-569.57	
		For Class 54 Rating, Add.....	786.01	
		For Class 55 Rating, Add.....	1,173.33	
		For Class 56 Rating, Add.....	1,555.46	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-3295	EA	14" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	6,280.02	516.07
		For Class 52 Rating, Deduct	-604.79	
		For Class 54 Rating, Add	834.10	
		For Class 55 Rating, Add	1,244.84	
		For Class 56 Rating, Add	1,650.09	
40 05 19 00-3296	EA	14" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	6,604.61	518.97
		For Class 52 Rating, Deduct	-640.01	
		For Class 54 Rating, Add	882.18	
		For Class 55 Rating, Add	1,316.35	
		For Class 56 Rating, Add	1,744.71	
40 05 19 00-3297	EA	14" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	6,929.20	521.84
		For Class 52 Rating, Deduct	-675.24	
		For Class 54 Rating, Add	930.27	
		For Class 55 Rating, Add	1,387.87	
		For Class 56 Rating, Add	1,839.33	
40 05 19 00-3298	EA	14" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	7,253.78	524.72
		For Class 52 Rating, Deduct	-710.46	
		For Class 54 Rating, Add	978.35	
		For Class 55 Rating, Add	1,459.38	
		For Class 56 Rating, Add	1,933.95	
40 05 19 00-3299	EA	14" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	7,578.38	527.61
		For Class 52 Rating, Deduct	-745.69	
		For Class 54 Rating, Add	1,026.44	
		For Class 55 Rating, Add	1,530.90	
		For Class 56 Rating, Add	2,028.57	
40 05 19 00-3300	EA	14" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	7,902.97	530.48
		For Class 52 Rating, Deduct	-780.91	
		For Class 54 Rating, Add	1,074.53	
		For Class 55 Rating, Add	1,602.41	
		For Class 56 Rating, Add	2,123.20	
40 05 19 00-3301	EA	14" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	8,227.56	533.37
		For Class 52 Rating, Deduct	-816.14	
		For Class 54 Rating, Add	1,122.61	
		For Class 55 Rating, Add	1,673.93	
		For Class 56 Rating, Add	2,217.82	
40 05 19 00-3302	EA	14" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	8,552.15	536.26
		For Class 52 Rating, Deduct	-851.36	
		For Class 54 Rating, Add	1,170.70	
		For Class 55 Rating, Add	1,745.44	
		For Class 56 Rating, Add	2,312.44	
40 05 19 00-3303	EA	14" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	8,876.74	539.14
		For Class 52 Rating, Deduct	-886.58	
		For Class 54 Rating, Add	1,218.78	
		For Class 55 Rating, Add	1,816.95	
		For Class 56 Rating, Add	2,407.07	
40 05 19 00-3304	EA	14" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	9,201.32	542.02
		For Class 52 Rating, Deduct	-921.81	
		For Class 54 Rating, Add	1,266.87	
		For Class 55 Rating, Add	1,888.47	
		For Class 56 Rating, Add	2,501.69	
40 05 19 00-3305	EA	14" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	9,525.91	544.90
		For Class 52 Rating, Deduct	-957.03	
		For Class 54 Rating, Add	1,314.95	
		For Class 55 Rating, Add	1,959.98	
		For Class 56 Rating, Add	2,596.31	
40 05 19 00-3306	EA	14" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	9,850.50	547.79
		For Class 52 Rating, Deduct	-992.26	
		For Class 54 Rating, Add	1,363.04	
		For Class 55 Rating, Add	2,031.50	
		For Class 56 Rating, Add	2,690.93	
40 05 19 00-3307	EA	14" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	10,175.09	550.68
		For Class 52 Rating, Deduct	-1,027.48	
		For Class 54 Rating, Add	1,411.12	
		For Class 55 Rating, Add	2,103.01	
		For Class 56 Rating, Add	2,785.55	
40 05 19 00-3308	EA	14" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	10,499.68	553.55
		For Class 52 Rating, Deduct	-1,062.71	
		For Class 54 Rating, Add	1,459.21	
		For Class 55 Rating, Add	2,174.53	
		For Class 56 Rating, Add	2,880.18	
40 05 19 00-3309	EA	14" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	10,824.28	556.44
		For Class 52 Rating, Deduct	-1,097.93	
		For Class 54 Rating, Add	1,507.30	
		For Class 55 Rating, Add	2,246.04	
		For Class 56 Rating, Add	2,974.80	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3310	EA	14" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	11,148.86	559.33
		For Class 52 Rating, Deduct.....	-1,133.16	
		For Class 54 Rating, Add.....	1,555.38	
		For Class 55 Rating, Add.....	2,317.55	
		For Class 56 Rating, Add.....	3,069.42	
40 05 19 00-3311	EA	14" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	11,473.45	562.20
		For Class 52 Rating, Deduct.....	-1,168.38	
		For Class 54 Rating, Add.....	1,603.47	
		For Class 55 Rating, Add.....	2,389.07	
		For Class 56 Rating, Add.....	3,164.05	
40 05 19 00-3312	EA	14" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	11,798.04	565.09
		For Class 52 Rating, Deduct.....	-1,203.60	
		For Class 54 Rating, Add.....	1,651.55	
		For Class 55 Rating, Add.....	2,460.58	
		For Class 56 Rating, Add.....	3,258.67	
40 05 19 00-3313	EA	14" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	12,122.63	567.97
		For Class 52 Rating, Deduct.....	-1,238.83	
		For Class 54 Rating, Add.....	1,699.64	
		For Class 55 Rating, Add.....	2,532.10	
		For Class 56 Rating, Add.....	3,353.29	
40 05 19 00-3314	EA	14" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	12,447.22	570.86
		For Class 52 Rating, Deduct.....	-1,274.05	
		For Class 54 Rating, Add.....	1,747.72	
		For Class 55 Rating, Add.....	2,603.61	
		For Class 56 Rating, Add.....	3,447.92	
40 05 19 00-3315	EA	14" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	12,771.82	573.73
		For Class 52 Rating, Deduct.....	-1,309.28	
		For Class 54 Rating, Add.....	1,795.81	
		For Class 55 Rating, Add.....	2,675.13	
		For Class 56 Rating, Add.....	3,542.54	
40 05 19 00-3316	EA	14" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	13,096.40	576.62
		For Class 52 Rating, Deduct.....	-1,344.50	
		For Class 54 Rating, Add.....	1,843.89	
		For Class 55 Rating, Add.....	2,746.64	
		For Class 56 Rating, Add.....	3,637.16	
40 05 19 00-3317	EA	14" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	13,420.99	579.51
		For Class 52 Rating, Deduct.....	-1,379.73	
		For Class 54 Rating, Add.....	1,891.98	
		For Class 55 Rating, Add.....	2,818.15	
		For Class 56 Rating, Add.....	3,731.78	
40 05 19 00-3318	EA	14" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	13,745.58	582.38
		For Class 52 Rating, Deduct.....	-1,414.95	
		For Class 54 Rating, Add.....	1,940.07	
		For Class 55 Rating, Add.....	2,889.67	
		For Class 56 Rating, Add.....	3,826.40	
40 05 19 00-3319	EA	14" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	14,070.17	585.26
		For Class 52 Rating, Deduct.....	-1,450.17	
		For Class 54 Rating, Add.....	1,988.15	
		For Class 55 Rating, Add.....	2,961.18	
		For Class 56 Rating, Add.....	3,921.03	
40 05 19 00-3320	EA	14" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	14,394.75	588.15
		For Class 52 Rating, Deduct.....	-1,485.40	
		For Class 54 Rating, Add.....	2,036.24	
		For Class 55 Rating, Add.....	3,032.69	
		For Class 56 Rating, Add.....	4,015.65	
40 05 19 00-3321	EA	14" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	14,719.36	591.04
		For Class 52 Rating, Deduct.....	-1,520.62	
		For Class 54 Rating, Add.....	2,084.32	
		For Class 55 Rating, Add.....	3,104.21	
		For Class 56 Rating, Add.....	4,110.27	
40 05 19 00-3322		16" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-3082)		
40 05 19 00-3323	EA	16" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	3,168.89	553.55
		For Class 52 Rating, Deduct.....	-256.32	
		For Class 54 Rating, Add.....	359.59	
		For Class 55 Rating, Add.....	539.76	
		For Class 56 Rating, Add.....	717.60	
40 05 19 00-3324	EA	16" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	3,544.96	556.44
		For Class 52 Rating, Deduct.....	-297.21	
		For Class 54 Rating, Add.....	415.40	
		For Class 55 Rating, Add.....	622.75	
		For Class 56 Rating, Add.....	827.40	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-3325	EA	16" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	3,921.00	559.33
		For Class 52 Rating, Deduct	-338.09	
		For Class 54 Rating, Add	471.20	
		For Class 55 Rating, Add	705.74	
		For Class 56 Rating, Add	937.21	
40 05 19 00-3326	EA	16" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	4,297.06	562.20
		For Class 52 Rating, Deduct	-378.98	
		For Class 54 Rating, Add	527.01	
		For Class 55 Rating, Add	788.73	
		For Class 56 Rating, Add	1,047.01	
40 05 19 00-3327	EA	16" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	4,673.12	565.09
		For Class 52 Rating, Deduct	-419.86	
		For Class 54 Rating, Add	582.81	
		For Class 55 Rating, Add	871.72	
		For Class 56 Rating, Add	1,156.82	
40 05 19 00-3328	EA	16" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	5,049.17	567.97
		For Class 52 Rating, Deduct	-460.75	
		For Class 54 Rating, Add	638.62	
		For Class 55 Rating, Add	954.71	
		For Class 56 Rating, Add	1,266.62	
40 05 19 00-3329	EA	16" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	5,425.22	570.86
		For Class 52 Rating, Deduct	-501.63	
		For Class 54 Rating, Add	694.42	
		For Class 55 Rating, Add	1,037.70	
		For Class 56 Rating, Add	1,376.43	
40 05 19 00-3330	EA	16" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	5,801.28	573.73
		For Class 52 Rating, Deduct	-542.52	
		For Class 54 Rating, Add	750.23	
		For Class 55 Rating, Add	1,120.69	
		For Class 56 Rating, Add	1,486.23	
40 05 19 00-3331	EA	16" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	6,177.33	576.62
		For Class 52 Rating, Deduct	-583.40	
		For Class 54 Rating, Add	806.03	
		For Class 55 Rating, Add	1,203.69	
		For Class 56 Rating, Add	1,596.03	
40 05 19 00-3332	EA	16" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	6,553.38	579.51
		For Class 52 Rating, Deduct	-624.29	
		For Class 54 Rating, Add	861.84	
		For Class 55 Rating, Add	1,286.68	
		For Class 56 Rating, Add	1,705.84	
40 05 19 00-3333	EA	16" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	6,929.44	582.38
		For Class 52 Rating, Deduct	-665.17	
		For Class 54 Rating, Add	917.64	
		For Class 55 Rating, Add	1,369.67	
		For Class 56 Rating, Add	1,815.64	
40 05 19 00-3334	EA	16" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	7,305.49	585.26
		For Class 52 Rating, Deduct	-706.06	
		For Class 54 Rating, Add	973.45	
		For Class 55 Rating, Add	1,452.66	
		For Class 56 Rating, Add	1,925.45	
40 05 19 00-3335	EA	16" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	7,681.54	588.15
		For Class 52 Rating, Deduct	-746.95	
		For Class 54 Rating, Add	1,029.26	
		For Class 55 Rating, Add	1,535.65	
		For Class 56 Rating, Add	2,035.25	
40 05 19 00-3336	EA	16" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	8,057.61	591.04
		For Class 52 Rating, Deduct	-787.83	
		For Class 54 Rating, Add	1,085.06	
		For Class 55 Rating, Add	1,618.64	
		For Class 56 Rating, Add	2,145.06	
40 05 19 00-3337	EA	16" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	8,433.65	593.92
		For Class 52 Rating, Deduct	-828.72	
		For Class 54 Rating, Add	1,140.87	
		For Class 55 Rating, Add	1,701.63	
		For Class 56 Rating, Add	2,254.86	
40 05 19 00-3338	EA	16" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	8,809.71	596.80
		For Class 52 Rating, Deduct	-869.60	
		For Class 54 Rating, Add	1,196.67	
		For Class 55 Rating, Add	1,784.62	
		For Class 56 Rating, Add	2,364.67	
40 05 19 00-3339	EA	16" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	9,185.76	599.68
		For Class 52 Rating, Deduct	-910.49	
		For Class 54 Rating, Add	1,252.48	
		For Class 55 Rating, Add	1,867.61	
		For Class 56 Rating, Add	2,474.47	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3340	EA		16" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	9,561.82	602.56
			For Class 52 Rating, Deduct.....	-951.37	
			For Class 54 Rating, Add.....	1,308.28	
			For Class 55 Rating, Add.....	1,950.60	
			For Class 56 Rating, Add.....	2,584.28	
40 05 19 00-3341	EA		16" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	9,937.86	605.45
			For Class 52 Rating, Deduct.....	-992.26	
			For Class 54 Rating, Add.....	1,364.09	
			For Class 55 Rating, Add.....	2,033.59	
			For Class 56 Rating, Add.....	2,694.08	
40 05 19 00-3342	EA		16" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	10,313.93	608.34
			For Class 52 Rating, Deduct.....	-1,033.14	
			For Class 54 Rating, Add.....	1,419.89	
			For Class 55 Rating, Add.....	2,116.58	
			For Class 56 Rating, Add.....	2,803.88	
40 05 19 00-3343	EA		16" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	10,689.97	611.22
			For Class 52 Rating, Deduct.....	-1,074.03	
			For Class 54 Rating, Add.....	1,475.70	
			For Class 55 Rating, Add.....	2,199.57	
			For Class 56 Rating, Add.....	2,913.69	
40 05 19 00-3344	EA		16" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	11,066.03	614.09
			For Class 52 Rating, Deduct.....	-1,114.91	
			For Class 54 Rating, Add.....	1,531.50	
			For Class 55 Rating, Add.....	2,282.57	
			For Class 56 Rating, Add.....	3,023.49	
40 05 19 00-3345	EA		16" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	11,442.09	616.98
			For Class 52 Rating, Deduct.....	-1,155.80	
			For Class 54 Rating, Add.....	1,587.31	
			For Class 55 Rating, Add.....	2,365.56	
			For Class 56 Rating, Add.....	3,133.30	
40 05 19 00-3346	EA		16" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	11,818.14	619.87
			For Class 52 Rating, Deduct.....	-1,196.68	
			For Class 54 Rating, Add.....	1,643.11	
			For Class 55 Rating, Add.....	2,448.55	
			For Class 56 Rating, Add.....	3,243.10	
40 05 19 00-3347	EA		16" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	12,194.19	622.76
			For Class 52 Rating, Deduct.....	-1,237.57	
			For Class 54 Rating, Add.....	1,698.92	
			For Class 55 Rating, Add.....	2,531.54	
			For Class 56 Rating, Add.....	3,352.91	
40 05 19 00-3348	EA		16" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	12,570.25	625.63
			For Class 52 Rating, Deduct.....	-1,278.46	
			For Class 54 Rating, Add.....	1,754.72	
			For Class 55 Rating, Add.....	2,614.53	
			For Class 56 Rating, Add.....	3,462.71	
40 05 19 00-3349	EA		16" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	12,946.30	628.51
			For Class 52 Rating, Deduct.....	-1,319.34	
			For Class 54 Rating, Add.....	1,810.53	
			For Class 55 Rating, Add.....	2,697.52	
			For Class 56 Rating, Add.....	3,572.52	
40 05 19 00-3350	EA		16" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	13,322.35	631.40
			For Class 52 Rating, Deduct.....	-1,360.23	
			For Class 54 Rating, Add.....	1,866.33	
			For Class 55 Rating, Add.....	2,780.51	
			For Class 56 Rating, Add.....	3,682.32	
40 05 19 00-3351	EA		16" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	13,698.41	634.28
			For Class 52 Rating, Deduct.....	-1,401.11	
			For Class 54 Rating, Add.....	1,922.14	
			For Class 55 Rating, Add.....	2,863.50	
			For Class 56 Rating, Add.....	3,792.12	
40 05 19 00-3352	EA		16" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	14,074.47	637.16
			For Class 52 Rating, Deduct.....	-1,442.00	
			For Class 54 Rating, Add.....	1,977.95	
			For Class 55 Rating, Add.....	2,946.49	
			For Class 56 Rating, Add.....	3,901.93	
40 05 19 00-3353	EA		16" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	14,450.51	640.05
			For Class 52 Rating, Deduct.....	-1,482.88	
			For Class 54 Rating, Add.....	2,033.75	
			For Class 55 Rating, Add.....	3,029.48	
			For Class 56 Rating, Add.....	4,011.73	
40 05 19 00-3354	EA		16" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	14,826.58	642.93
			For Class 52 Rating, Deduct.....	-1,523.77	
			For Class 54 Rating, Add.....	2,089.56	
			For Class 55 Rating, Add.....	3,112.47	
			For Class 56 Rating, Add.....	4,121.54	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-3355	EA	16" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	15,202.62	645.81
		For Class 52 Rating, Deduct	-1,564.65	
		For Class 54 Rating, Add	2,145.36	
		For Class 55 Rating, Add	3,195.46	
		For Class 56 Rating, Add	4,231.34	
40 05 19 00-3356	EA	16" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	15,578.68	648.70
		For Class 52 Rating, Deduct	-1,605.54	
		For Class 54 Rating, Add	2,201.17	
		For Class 55 Rating, Add	3,278.45	
		For Class 56 Rating, Add	4,341.15	
40 05 19 00-3357	EA	16" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	15,954.73	651.58
		For Class 52 Rating, Deduct	-1,646.42	
		For Class 54 Rating, Add	2,256.97	
		For Class 55 Rating, Add	3,361.44	
		For Class 56 Rating, Add	4,450.95	
40 05 19 00-3358	EA	16" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	16,330.79	654.46
		For Class 52 Rating, Deduct	-1,687.31	
		For Class 54 Rating, Add	2,312.78	
		For Class 55 Rating, Add	3,444.44	
		For Class 56 Rating, Add	4,560.76	
40 05 19 00-3359	EA	16" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	16,706.83	657.34
		For Class 52 Rating, Deduct	-1,728.19	
		For Class 54 Rating, Add	2,368.58	
		For Class 55 Rating, Add	3,527.43	
		For Class 56 Rating, Add	4,670.56	
40 05 19 00-3360	EA	16" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	17,082.90	660.23
		For Class 52 Rating, Deduct	-1,769.08	
		For Class 54 Rating, Add	2,424.39	
		For Class 55 Rating, Add	3,610.42	
		For Class 56 Rating, Add	4,780.36	

40 05 19 00-3361 18" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe

(40 05 19 00-3082)

40 05 19 00-3362	EA	18" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	3,675.77	623.91
		For Class 52 Rating, Deduct	-300.35	
		For Class 54 Rating, Add	420.91	
		For Class 55 Rating, Add	631.58	
		For Class 56 Rating, Add	839.52	
40 05 19 00-3363	EA	18" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	4,109.01	626.79
		For Class 52 Rating, Deduct	-347.53	
		For Class 54 Rating, Add	485.30	
		For Class 55 Rating, Add	727.32	
		For Class 56 Rating, Add	966.19	
40 05 19 00-3364	EA	18" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	4,542.24	629.66
		For Class 52 Rating, Deduct	-394.70	
		For Class 54 Rating, Add	549.68	
		For Class 55 Rating, Add	823.07	
		For Class 56 Rating, Add	1,092.86	
40 05 19 00-3365	EA	18" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	4,975.48	632.56
		For Class 52 Rating, Deduct	-441.88	
		For Class 54 Rating, Add	614.06	
		For Class 55 Rating, Add	918.81	
		For Class 56 Rating, Add	1,219.54	
40 05 19 00-3366	EA	18" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	5,408.71	635.44
		For Class 52 Rating, Deduct	-489.05	
		For Class 54 Rating, Add	678.44	
		For Class 55 Rating, Add	1,014.55	
		For Class 56 Rating, Add	1,346.21	
40 05 19 00-3367	EA	18" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	5,841.95	638.31
		For Class 52 Rating, Deduct	-536.23	
		For Class 54 Rating, Add	742.83	
		For Class 55 Rating, Add	1,110.29	
		For Class 56 Rating, Add	1,472.88	
40 05 19 00-3368	EA	18" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	6,275.19	641.20
		For Class 52 Rating, Deduct	-583.40	
		For Class 54 Rating, Add	807.21	
		For Class 55 Rating, Add	1,206.03	
		For Class 56 Rating, Add	1,599.56	
40 05 19 00-3369	EA	18" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	6,708.43	644.08
		For Class 52 Rating, Deduct	-630.58	
		For Class 54 Rating, Add	871.59	
		For Class 55 Rating, Add	1,301.78	
		For Class 56 Rating, Add	1,726.23	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3370	EA	18" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	7,141.65	646.98
		For Class 52 Rating, Deduct.....	-677.75	
		For Class 54 Rating, Add.....	935.97	
		For Class 55 Rating, Add.....	1,397.52	
		For Class 56 Rating, Add.....	1,852.90	
40 05 19 00-3371	EA	18" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	7,574.90	649.85
		For Class 52 Rating, Deduct.....	-724.93	
		For Class 54 Rating, Add.....	1,000.36	
		For Class 55 Rating, Add.....	1,493.26	
		For Class 56 Rating, Add.....	1,979.58	
40 05 19 00-3372	EA	18" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	8,008.13	652.73
		For Class 52 Rating, Deduct.....	-772.11	
		For Class 54 Rating, Add.....	1,064.74	
		For Class 55 Rating, Add.....	1,589.00	
		For Class 56 Rating, Add.....	2,106.25	
40 05 19 00-3373	EA	18" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	8,441.37	655.62
		For Class 52 Rating, Deduct.....	-819.28	
		For Class 54 Rating, Add.....	1,129.12	
		For Class 55 Rating, Add.....	1,684.75	
		For Class 56 Rating, Add.....	2,232.92	
40 05 19 00-3374	EA	18" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	8,874.61	658.49
		For Class 52 Rating, Deduct.....	-866.46	
		For Class 54 Rating, Add.....	1,193.50	
		For Class 55 Rating, Add.....	1,780.49	
		For Class 56 Rating, Add.....	2,359.60	
40 05 19 00-3375	EA	18" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	9,307.84	661.38
		For Class 52 Rating, Deduct.....	-913.63	
		For Class 54 Rating, Add.....	1,257.89	
		For Class 55 Rating, Add.....	1,876.23	
		For Class 56 Rating, Add.....	2,486.27	
40 05 19 00-3376	EA	18" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	9,741.07	664.27
		For Class 52 Rating, Deduct.....	-960.81	
		For Class 54 Rating, Add.....	1,322.27	
		For Class 55 Rating, Add.....	1,971.97	
		For Class 56 Rating, Add.....	2,612.94	
40 05 19 00-3377	EA	18" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	10,174.32	667.15
		For Class 52 Rating, Deduct.....	-1,007.98	
		For Class 54 Rating, Add.....	1,386.65	
		For Class 55 Rating, Add.....	2,067.72	
		For Class 56 Rating, Add.....	2,739.62	
40 05 19 00-3378	EA	18" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	10,607.55	670.03
		For Class 52 Rating, Deduct.....	-1,055.16	
		For Class 54 Rating, Add.....	1,451.03	
		For Class 55 Rating, Add.....	2,163.46	
		For Class 56 Rating, Add.....	2,866.29	
40 05 19 00-3379	EA	18" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	11,040.79	672.91
		For Class 52 Rating, Deduct.....	-1,102.33	
		For Class 54 Rating, Add.....	1,515.42	
		For Class 55 Rating, Add.....	2,259.20	
		For Class 56 Rating, Add.....	2,992.96	
40 05 19 00-3380	EA	18" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	11,474.02	675.81
		For Class 52 Rating, Deduct.....	-1,149.51	
		For Class 54 Rating, Add.....	1,579.80	
		For Class 55 Rating, Add.....	2,354.94	
		For Class 56 Rating, Add.....	3,119.64	
40 05 19 00-3381	EA	18" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	11,907.26	678.68
		For Class 52 Rating, Deduct.....	-1,196.68	
		For Class 54 Rating, Add.....	1,644.18	
		For Class 55 Rating, Add.....	2,450.69	
		For Class 56 Rating, Add.....	3,246.31	
40 05 19 00-3382	EA	18" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	12,340.49	681.56
		For Class 52 Rating, Deduct.....	-1,243.86	
		For Class 54 Rating, Add.....	1,708.57	
		For Class 55 Rating, Add.....	2,546.43	
		For Class 56 Rating, Add.....	3,372.98	
40 05 19 00-3383	EA	18" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	12,773.74	684.45
		For Class 52 Rating, Deduct.....	-1,291.04	
		For Class 54 Rating, Add.....	1,772.95	
		For Class 55 Rating, Add.....	2,642.17	
		For Class 56 Rating, Add.....	3,499.66	
40 05 19 00-3384	EA	18" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	13,206.97	687.33
		For Class 52 Rating, Deduct.....	-1,338.21	
		For Class 54 Rating, Add.....	1,837.33	
		For Class 55 Rating, Add.....	2,737.91	
		For Class 56 Rating, Add.....	3,626.33	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-3385	EA	18" Flanged x Plain End (F _x PE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	13,640.20	690.20
		For Class 52 Rating, Deduct	-1,385.39	
		For Class 54 Rating, Add	1,901.71	
		For Class 55 Rating, Add	2,833.65	
		For Class 56 Rating, Add	3,753.00	
40 05 19 00-3386	EA	18" Flanged x Plain End (F _x PE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	14,073.44	693.10
		For Class 52 Rating, Deduct	-1,432.56	
		For Class 54 Rating, Add	1,966.10	
		For Class 55 Rating, Add	2,929.40	
		For Class 56 Rating, Add	3,879.68	
40 05 19 00-3387	EA	18" Flanged x Plain End (F _x PE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	14,506.68	695.98
		For Class 52 Rating, Deduct	-1,479.74	
		For Class 54 Rating, Add	2,030.48	
		For Class 55 Rating, Add	3,025.14	
		For Class 56 Rating, Add	4,006.35	
40 05 19 00-3388	EA	18" Flanged x Plain End (F _x PE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	14,939.91	698.87
		For Class 52 Rating, Deduct	-1,526.91	
		For Class 54 Rating, Add	2,094.86	
		For Class 55 Rating, Add	3,120.88	
		For Class 56 Rating, Add	4,133.02	
40 05 19 00-3389	EA	18" Flanged x Plain End (F _x PE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	15,373.16	701.74
		For Class 52 Rating, Deduct	-1,574.09	
		For Class 54 Rating, Add	2,159.24	
		For Class 55 Rating, Add	3,216.63	
		For Class 56 Rating, Add	4,259.70	
40 05 19 00-3390	EA	18" Flanged x Plain End (F _x PE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	15,806.38	704.62
		For Class 52 Rating, Deduct	-1,621.26	
		For Class 54 Rating, Add	2,223.63	
		For Class 55 Rating, Add	3,312.37	
		For Class 56 Rating, Add	4,386.37	
40 05 19 00-3391	EA	18" Flanged x Plain End (F _x PE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	16,239.62	707.52
		For Class 52 Rating, Deduct	-1,668.44	
		For Class 54 Rating, Add	2,288.01	
		For Class 55 Rating, Add	3,408.11	
		For Class 56 Rating, Add	4,513.04	
40 05 19 00-3392	EA	18" Flanged x Plain End (F _x PE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	16,672.86	710.39
		For Class 52 Rating, Deduct	-1,715.62	
		For Class 54 Rating, Add	2,352.39	
		For Class 55 Rating, Add	3,503.85	
		For Class 56 Rating, Add	4,639.72	
40 05 19 00-3393	EA	18" Flanged x Plain End (F _x PE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	17,106.10	713.28
		For Class 52 Rating, Deduct	-1,762.79	
		For Class 54 Rating, Add	2,416.77	
		For Class 55 Rating, Add	3,599.60	
		For Class 56 Rating, Add	4,766.39	
40 05 19 00-3394	EA	18" Flanged x Plain End (F _x PE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	17,539.33	716.16
		For Class 52 Rating, Deduct	-1,809.97	
		For Class 54 Rating, Add	2,481.16	
		For Class 55 Rating, Add	3,695.34	
		For Class 56 Rating, Add	4,893.06	
40 05 19 00-3395	EA	18" Flanged x Plain End (F _x PE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	17,972.57	719.05
		For Class 52 Rating, Deduct	-1,857.14	
		For Class 54 Rating, Add	2,545.54	
		For Class 55 Rating, Add	3,791.08	
		For Class 56 Rating, Add	5,019.74	
40 05 19 00-3396	EA	18" Flanged x Plain End (F _x PE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	18,405.80	721.93
		For Class 52 Rating, Deduct	-1,904.32	
		For Class 54 Rating, Add	2,609.92	
		For Class 55 Rating, Add	3,886.82	
		For Class 56 Rating, Add	5,146.41	
40 05 19 00-3397	EA	18" Flanged x Plain End (F _x PE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	18,839.04	724.81
		For Class 52 Rating, Deduct	-1,951.49	
		For Class 54 Rating, Add	2,674.30	
		For Class 55 Rating, Add	3,982.56	
		For Class 56 Rating, Add	5,273.08	
40 05 19 00-3398	EA	18" Flanged x Plain End (F _x PE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	19,272.28	727.70
		For Class 52 Rating, Deduct	-1,998.67	
		For Class 54 Rating, Add	2,738.69	
		For Class 55 Rating, Add	4,078.31	
		For Class 56 Rating, Add	5,399.76	
40 05 19 00-3399	EA	18" Flanged x Plain End (F _x PE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	19,705.52	730.57
		For Class 52 Rating, Deduct	-2,045.84	
		For Class 54 Rating, Add	2,803.07	
		For Class 55 Rating, Add	4,174.05	
		For Class 56 Rating, Add	5,526.43	

MINOR		UOM DESCRIPTION		TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
40 05 19 00-3400		20" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-3082)			
40 05 19 00-3401	EA	20" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,281.19		712.13
		For Class 52 Rating, Deduct	-352.24		
		For Class 54 Rating, Add	493.28		
		For Class 55 Rating, Add	739.99		
		For Class 56 Rating, Add	983.50		
40 05 19 00-3402	EA	20" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,774.47		715.01
		For Class 52 Rating, Deduct	-406.02		
		For Class 54 Rating, Add	566.67		
		For Class 55 Rating, Add	849.12		
		For Class 56 Rating, Add	1,127.88		
40 05 19 00-3403	EA	20" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,267.74		717.88
		For Class 52 Rating, Deduct	-459.80		
		For Class 54 Rating, Add	640.06		
		For Class 55 Rating, Add	958.25		
		For Class 56 Rating, Add	1,272.27		
40 05 19 00-3404	EA	20" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,761.03		720.78
		For Class 52 Rating, Deduct	-513.58		
		For Class 54 Rating, Add	713.45		
		For Class 55 Rating, Add	1,067.38		
		For Class 56 Rating, Add	1,416.65		
40 05 19 00-3405	EA	20" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,254.30		723.66
		For Class 52 Rating, Deduct	-567.36		
		For Class 54 Rating, Add	786.83		
		For Class 55 Rating, Add	1,176.52		
		For Class 56 Rating, Add	1,561.04		
40 05 19 00-3406	EA	20" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,747.58		726.54
		For Class 52 Rating, Deduct	-621.14		
		For Class 54 Rating, Add	860.22		
		For Class 55 Rating, Add	1,285.65		
		For Class 56 Rating, Add	1,705.42		
40 05 19 00-3407	EA	20" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,240.86		729.42
		For Class 52 Rating, Deduct	-674.92		
		For Class 54 Rating, Add	933.61		
		For Class 55 Rating, Add	1,394.78		
		For Class 56 Rating, Add	1,849.81		
40 05 19 00-3408	EA	20" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,734.14		732.30
		For Class 52 Rating, Deduct	-728.70		
		For Class 54 Rating, Add	1,007.00		
		For Class 55 Rating, Add	1,503.91		
		For Class 56 Rating, Add	1,994.20		
40 05 19 00-3409	EA	20" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,227.41		735.20
		For Class 52 Rating, Deduct	-782.48		
		For Class 54 Rating, Add	1,080.39		
		For Class 55 Rating, Add	1,613.04		
		For Class 56 Rating, Add	2,138.58		
40 05 19 00-3410	EA	20" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,720.70		738.07
		For Class 52 Rating, Deduct	-836.26		
		For Class 54 Rating, Add	1,153.78		
		For Class 55 Rating, Add	1,722.17		
		For Class 56 Rating, Add	2,282.97		
40 05 19 00-3411	EA	20" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,213.97		740.96
		For Class 52 Rating, Deduct	-890.04		
		For Class 54 Rating, Add	1,227.17		
		For Class 55 Rating, Add	1,831.31		
		For Class 56 Rating, Add	2,427.35		
40 05 19 00-3412	EA	20" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,707.25		743.84
		For Class 52 Rating, Deduct	-943.82		
		For Class 54 Rating, Add	1,300.56		
		For Class 55 Rating, Add	1,940.44		
		For Class 56 Rating, Add	2,571.74		
40 05 19 00-3413	EA	20" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,200.53		746.71
		For Class 52 Rating, Deduct	-997.60		
		For Class 54 Rating, Add	1,373.95		
		For Class 55 Rating, Add	2,049.57		
		For Class 56 Rating, Add	2,716.12		
40 05 19 00-3414	EA	20" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,693.81		749.61
		For Class 52 Rating, Deduct	-1,051.38		
		For Class 54 Rating, Add	1,447.34		
		For Class 55 Rating, Add	2,158.70		
		For Class 56 Rating, Add	2,860.51		

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-3415	EA	20" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	11,187.08	752.49
		For Class 52 Rating, Deduct	-1,105.16	
		For Class 54 Rating, Add	1,520.72	
		For Class 55 Rating, Add	2,267.83	
		For Class 56 Rating, Add	3,004.89	
40 05 19 00-3416	EA	20" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	11,680.37	755.38
		For Class 52 Rating, Deduct	-1,158.94	
		For Class 54 Rating, Add	1,594.11	
		For Class 55 Rating, Add	2,376.97	
		For Class 56 Rating, Add	3,149.28	
40 05 19 00-3417	EA	20" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	12,173.64	758.25
		For Class 52 Rating, Deduct	-1,212.72	
		For Class 54 Rating, Add	1,667.50	
		For Class 55 Rating, Add	2,486.10	
		For Class 56 Rating, Add	3,293.67	
40 05 19 00-3418	EA	20" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	12,666.92	761.13
		For Class 52 Rating, Deduct	-1,266.50	
		For Class 54 Rating, Add	1,740.89	
		For Class 55 Rating, Add	2,595.23	
		For Class 56 Rating, Add	3,438.05	
40 05 19 00-3419	EA	20" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	13,160.20	764.03
		For Class 52 Rating, Deduct	-1,320.28	
		For Class 54 Rating, Add	1,814.28	
		For Class 55 Rating, Add	2,704.36	
		For Class 56 Rating, Add	3,582.44	
40 05 19 00-3420	EA	20" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	13,653.48	766.91
		For Class 52 Rating, Deduct	-1,374.07	
		For Class 54 Rating, Add	1,887.67	
		For Class 55 Rating, Add	2,813.49	
		For Class 56 Rating, Add	3,726.82	
40 05 19 00-3421	EA	20" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	14,146.74	769.78
		For Class 52 Rating, Deduct	-1,427.84	
		For Class 54 Rating, Add	1,961.06	
		For Class 55 Rating, Add	2,922.62	
		For Class 56 Rating, Add	3,871.21	
40 05 19 00-3422	EA	20" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	14,640.03	772.67
		For Class 52 Rating, Deduct	-1,481.62	
		For Class 54 Rating, Add	2,034.45	
		For Class 55 Rating, Add	3,031.75	
		For Class 56 Rating, Add	4,015.59	
40 05 19 00-3423	EA	20" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	15,133.30	775.55
		For Class 52 Rating, Deduct	-1,535.40	
		For Class 54 Rating, Add	2,107.83	
		For Class 55 Rating, Add	3,140.88	
		For Class 56 Rating, Add	4,159.98	
40 05 19 00-3424	EA	20" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	15,626.58	778.43
		For Class 52 Rating, Deduct	-1,589.18	
		For Class 54 Rating, Add	2,181.22	
		For Class 55 Rating, Add	3,250.02	
		For Class 56 Rating, Add	4,304.36	
40 05 19 00-3425	EA	20" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	16,119.86	781.32
		For Class 52 Rating, Deduct	-1,642.96	
		For Class 54 Rating, Add	2,254.61	
		For Class 55 Rating, Add	3,359.15	
		For Class 56 Rating, Add	4,448.75	
40 05 19 00-3426	EA	20" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	16,613.14	784.20
		For Class 52 Rating, Deduct	-1,696.74	
		For Class 54 Rating, Add	2,328.00	
		For Class 55 Rating, Add	3,468.28	
		For Class 56 Rating, Add	4,593.14	
40 05 19 00-3427	EA	20" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	17,106.41	787.09
		For Class 52 Rating, Deduct	-1,750.52	
		For Class 54 Rating, Add	2,401.39	
		For Class 55 Rating, Add	3,577.41	
		For Class 56 Rating, Add	4,737.52	
40 05 19 00-3428	EA	20" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	17,599.70	789.96
		For Class 52 Rating, Deduct	-1,804.30	
		For Class 54 Rating, Add	2,474.78	
		For Class 55 Rating, Add	3,686.54	
		For Class 56 Rating, Add	4,881.91	
40 05 19 00-3429	EA	20" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	18,092.97	792.86
		For Class 52 Rating, Deduct	-1,858.08	
		For Class 54 Rating, Add	2,548.17	
		For Class 55 Rating, Add	3,795.68	
		For Class 56 Rating, Add	5,026.29	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3430	EA	20" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	18,586.25	795.74
		For Class 52 Rating, Deduct	-1,911.86	
		For Class 54 Rating, Add	2,621.56	
		For Class 55 Rating, Add	3,904.61	
		For Class 56 Rating, Add	5,170.68	
40 05 19 00-3431	EA	20" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	19,079.53	798.61
		For Class 52 Rating, Deduct	-1,965.65	
		For Class 54 Rating, Add	2,694.95	
		For Class 55 Rating, Add	4,013.94	
		For Class 56 Rating, Add	5,315.06	
40 05 19 00-3432	EA	20" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	19,572.81	801.50
		For Class 52 Rating, Deduct	-2,019.43	
		For Class 54 Rating, Add	2,768.33	
		For Class 55 Rating, Add	4,123.07	
		For Class 56 Rating, Add	5,459.45	
40 05 19 00-3433	EA	20" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	20,066.08	804.38
		For Class 52 Rating, Deduct	-2,073.21	
		For Class 54 Rating, Add	2,841.72	
		For Class 55 Rating, Add	4,232.20	
		For Class 56 Rating, Add	5,603.83	
40 05 19 00-3434	EA	20" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	20,559.37	807.28
		For Class 52 Rating, Deduct	-2,126.99	
		For Class 54 Rating, Add	2,915.11	
		For Class 55 Rating, Add	4,341.33	
		For Class 56 Rating, Add	5,748.22	
40 05 19 00-3435	EA	20" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	21,052.64	810.15
		For Class 52 Rating, Deduct	-2,180.77	
		For Class 54 Rating, Add	2,988.50	
		For Class 55 Rating, Add	4,450.47	
		For Class 56 Rating, Add	5,892.61	
40 05 19 00-3436	EA	20" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	21,545.92	813.03
		For Class 52 Rating, Deduct	-2,234.55	
		For Class 54 Rating, Add	3,061.89	
		For Class 55 Rating, Add	4,559.60	
		For Class 56 Rating, Add	6,036.99	
40 05 19 00-3437	EA	20" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	22,039.20	815.92
		For Class 52 Rating, Deduct	-2,288.33	
		For Class 54 Rating, Add	3,135.28	
		For Class 55 Rating, Add	4,668.73	
		For Class 56 Rating, Add	6,181.38	
40 05 19 00-3438	EA	20" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	22,532.48	818.79
		For Class 52 Rating, Deduct	-2,342.11	
		For Class 54 Rating, Add	3,208.67	
		For Class 55 Rating, Add	4,777.66	
		For Class 56 Rating, Add	6,325.76	
40 05 19 00-3439		24" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-3082)		
40 05 19 00-3440	EA	24" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	5,272.61	841.86
		For Class 52 Rating, Deduct	-439.68	
		For Class 54 Rating, Add	614.86	
		For Class 55 Rating, Add	921.96	
		For Class 56 Rating, Add	1,225.05	
40 05 19 00-3441	EA	24" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	5,883.10	844.75
		For Class 52 Rating, Deduct	-506.35	
		For Class 54 Rating, Add	705.84	
		For Class 55 Rating, Add	1,057.23	
		For Class 56 Rating, Add	1,404.02	
40 05 19 00-3442	EA	24" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	6,493.61	847.63
		For Class 52 Rating, Deduct	-573.03	
		For Class 54 Rating, Add	796.81	
		For Class 55 Rating, Add	1,192.50	
		For Class 56 Rating, Add	1,582.98	
40 05 19 00-3443	EA	24" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	7,104.11	850.50
		For Class 52 Rating, Deduct	-639.70	
		For Class 54 Rating, Add	887.78	
		For Class 55 Rating, Add	1,327.77	
		For Class 56 Rating, Add	1,761.95	
40 05 19 00-3444	EA	24" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	7,714.61	853.40
		For Class 52 Rating, Deduct	-706.37	
		For Class 54 Rating, Add	978.75	
		For Class 55 Rating, Add	1,463.05	
		For Class 56 Rating, Add	1,940.92	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-3445	EA	24" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal	8,325.11	856.28
		Coat, Ductile Iron Pipe.....	-773.05	
		For Class 52 Rating, Deduct	1,069.73	
		For Class 54 Rating, Add	1,598.32	
		For Class 55 Rating, Add	2,119.88	
		For Class 56 Rating, Add		
40 05 19 00-3446	EA	24" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal	8,935.62	859.17
		Coat, Ductile Iron Pipe.....	-839.72	
		For Class 52 Rating, Deduct	1,160.70	
		For Class 54 Rating, Add	1,733.59	
		For Class 55 Rating, Add	2,298.85	
		For Class 56 Rating, Add		
40 05 19 00-3447	EA	24" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal	9,546.11	862.04
		Coat, Ductile Iron Pipe.....	-906.40	
		For Class 52 Rating, Deduct	1,251.67	
		For Class 54 Rating, Add	1,868.86	
		For Class 55 Rating, Add	2,477.81	
		For Class 56 Rating, Add		
40 05 19 00-3448	EA	24" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal	10,156.62	864.92
		Coat, Ductile Iron Pipe.....	-973.07	
		For Class 52 Rating, Deduct	1,342.64	
		For Class 54 Rating, Add	2,004.14	
		For Class 55 Rating, Add	2,656.78	
		For Class 56 Rating, Add		
40 05 19 00-3449	EA	24" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal	10,767.12	867.82
		Coat, Ductile Iron Pipe.....	-1,039.75	
		For Class 52 Rating, Deduct	1,433.62	
		For Class 54 Rating, Add	2,139.41	
		For Class 55 Rating, Add	2,835.75	
		For Class 56 Rating, Add		
40 05 19 00-3450	EA	24" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal	11,377.62	870.69
		Coat, Ductile Iron Pipe.....	-1,106.42	
		For Class 52 Rating, Deduct	1,524.59	
		For Class 54 Rating, Add	2,274.68	
		For Class 55 Rating, Add	3,014.71	
		For Class 56 Rating, Add		
40 05 19 00-3451	EA	24" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal	11,988.12	873.58
		Coat, Ductile Iron Pipe.....	-1,173.10	
		For Class 52 Rating, Deduct	1,615.56	
		For Class 54 Rating, Add	2,409.95	
		For Class 55 Rating, Add	3,193.68	
		For Class 56 Rating, Add		
40 05 19 00-3452	EA	24" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal	12,598.63	876.46
		Coat, Ductile Iron Pipe.....	-1,239.77	
		For Class 52 Rating, Deduct	1,706.53	
		For Class 54 Rating, Add	2,545.23	
		For Class 55 Rating, Add	3,372.65	
		For Class 56 Rating, Add		
40 05 19 00-3453	EA	24" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal	13,209.12	879.35
		Coat, Ductile Iron Pipe.....	-1,306.45	
		For Class 52 Rating, Deduct	1,797.51	
		For Class 54 Rating, Add	2,680.50	
		For Class 55 Rating, Add	3,551.61	
		For Class 56 Rating, Add		
40 05 19 00-3454	EA	24" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal	13,819.63	882.23
		Coat, Ductile Iron Pipe.....	-1,373.12	
		For Class 52 Rating, Deduct	1,888.48	
		For Class 54 Rating, Add	2,815.77	
		For Class 55 Rating, Add	3,730.58	
		For Class 56 Rating, Add		
40 05 19 00-3455	EA	24" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal	14,430.13	885.11
		Coat, Ductile Iron Pipe.....	-1,439.80	
		For Class 52 Rating, Deduct	1,979.45	
		For Class 54 Rating, Add	2,951.04	
		For Class 55 Rating, Add	3,909.55	
		For Class 56 Rating, Add		
40 05 19 00-3456	EA	24" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal	15,040.63	888.00
		Coat, Ductile Iron Pipe.....	-1,506.47	
		For Class 52 Rating, Deduct	2,070.42	
		For Class 54 Rating, Add	3,086.32	
		For Class 55 Rating, Add	4,088.51	
		For Class 56 Rating, Add		
40 05 19 00-3457	EA	24" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal	15,651.13	890.87
		Coat, Ductile Iron Pipe.....	-1,573.15	
		For Class 52 Rating, Deduct	2,161.40	
		For Class 54 Rating, Add	3,221.59	
		For Class 55 Rating, Add	4,267.48	
		For Class 56 Rating, Add		
40 05 19 00-3458	EA	24" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal	16,261.63	893.75
		Coat, Ductile Iron Pipe.....	-1,639.82	
		For Class 52 Rating, Deduct	2,252.37	
		For Class 54 Rating, Add	3,356.86	
		For Class 55 Rating, Add	4,446.45	
		For Class 56 Rating, Add		
40 05 19 00-3459	EA	24" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal	16,872.14	896.65
		Coat, Ductile Iron Pipe.....	-1,706.49	
		For Class 52 Rating, Deduct	2,343.34	
		For Class 54 Rating, Add	3,492.14	
		For Class 55 Rating, Add	4,625.42	
		For Class 56 Rating, Add		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3460	EA		24" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	17,482.64	899.53
			For Class 52 Rating, Deduct	-1,773.17	
			For Class 54 Rating, Add	2,434.31	
			For Class 55 Rating, Add	3,627.41	
			For Class 56 Rating, Add	4,804.38	
40 05 19 00-3461	EA		24" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	18,093.13	902.40
			For Class 52 Rating, Deduct	-1,839.84	
			For Class 54 Rating, Add	2,525.28	
			For Class 55 Rating, Add	3,762.68	
			For Class 56 Rating, Add	4,983.35	
40 05 19 00-3462	EA		24" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	18,703.65	905.29
			For Class 52 Rating, Deduct	-1,906.52	
			For Class 54 Rating, Add	2,616.26	
			For Class 55 Rating, Add	3,897.95	
			For Class 56 Rating, Add	5,162.32	
40 05 19 00-3463	EA		24" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	19,314.14	908.17
			For Class 52 Rating, Deduct	-1,973.19	
			For Class 54 Rating, Add	2,707.23	
			For Class 55 Rating, Add	4,033.23	
			For Class 56 Rating, Add	5,341.28	
40 05 19 00-3464	EA		24" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	19,924.64	911.07
			For Class 52 Rating, Deduct	-2,039.87	
			For Class 54 Rating, Add	2,798.20	
			For Class 55 Rating, Add	4,168.50	
			For Class 56 Rating, Add	5,520.25	
40 05 19 00-3465	EA		24" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	20,535.15	913.94
			For Class 52 Rating, Deduct	-2,106.54	
			For Class 54 Rating, Add	2,889.18	
			For Class 55 Rating, Add	4,303.77	
			For Class 56 Rating, Add	5,699.22	
40 05 19 00-3466	EA		24" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	21,145.65	916.82
			For Class 52 Rating, Deduct	-2,173.22	
			For Class 54 Rating, Add	2,980.15	
			For Class 55 Rating, Add	4,439.04	
			For Class 56 Rating, Add	5,878.18	
40 05 19 00-3467	EA		24" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	21,756.14	919.71
			For Class 52 Rating, Deduct	-2,239.89	
			For Class 54 Rating, Add	3,071.12	
			For Class 55 Rating, Add	4,574.31	
			For Class 56 Rating, Add	6,057.15	
40 05 19 00-3468	EA		24" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	22,366.66	922.58
			For Class 52 Rating, Deduct	-2,306.57	
			For Class 54 Rating, Add	3,162.09	
			For Class 55 Rating, Add	4,709.59	
			For Class 56 Rating, Add	6,236.12	
40 05 19 00-3469	EA		24" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	23,051.42	974.48
			For Class 52 Rating, Deduct	-2,373.24	
			For Class 54 Rating, Add	3,253.96	
			For Class 55 Rating, Add	4,846.64	
			For Class 56 Rating, Add	6,417.76	
40 05 19 00-3470	EA		24" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	23,661.91	977.37
			For Class 52 Rating, Deduct	-2,439.92	
			For Class 54 Rating, Add	3,344.93	
			For Class 55 Rating, Add	4,981.91	
			For Class 56 Rating, Add	6,596.72	
40 05 19 00-3471	EA		24" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	24,272.42	980.25
			For Class 52 Rating, Deduct	-2,506.59	
			For Class 54 Rating, Add	3,435.90	
			For Class 55 Rating, Add	5,117.19	
			For Class 56 Rating, Add	6,775.69	
40 05 19 00-3472	EA		24" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	24,882.92	983.15
			For Class 52 Rating, Deduct	-2,573.27	
			For Class 54 Rating, Add	3,526.87	
			For Class 55 Rating, Add	5,252.46	
			For Class 56 Rating, Add	6,954.66	
40 05 19 00-3473	EA		24" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	25,493.42	986.02
			For Class 52 Rating, Deduct	-2,639.94	
			For Class 54 Rating, Add	3,617.85	
			For Class 55 Rating, Add	5,387.73	
			For Class 56 Rating, Add	7,133.62	
40 05 19 00-3474	EA		24" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	28,963.04	988.90
			For Class 52 Rating, Deduct	-3,021.12	
			For Class 54 Rating, Add	4,137.69	
			For Class 55 Rating, Add	6,160.59	
			For Class 56 Rating, Add	8,156.03	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-3475	EA	24" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	26,714.43	991.79
		<i>For Class 52 Rating, Deduct</i>	-2,773.29	
		<i>For Class 54 Rating, Add</i>	3,799.79	
		<i>For Class 55 Rating, Add</i>	5,658.28	
		<i>For Class 56 Rating, Add</i>	7,491.55	
40 05 19 00-3476	EA	24" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	27,324.92	994.66
		<i>For Class 52 Rating, Deduct</i>	-2,839.96	
		<i>For Class 54 Rating, Add</i>	3,890.76	
		<i>For Class 55 Rating, Add</i>	5,793.55	
		<i>For Class 56 Rating, Add</i>	7,670.52	
40 05 19 00-3477	EA	24" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	27,935.43	997.55
		<i>For Class 52 Rating, Deduct</i>	-2,906.64	
		<i>For Class 54 Rating, Add</i>	3,981.74	
		<i>For Class 55 Rating, Add</i>	5,928.82	
		<i>For Class 56 Rating, Add</i>	7,849.49	

40 05 19 00-3478 30" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe

(40 05 19 00-3082)

40 05 19 00-3479	EA	30" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,930.40	1,187.84
		<i>For Class 52 Rating, Deduct</i>	-784.37	
		<i>For Class 54 Rating, Add</i>	1,091.19	
		<i>For Class 55 Rating, Add</i>	1,633.33	
		<i>For Class 56 Rating, Add</i>	2,168.33	
40 05 19 00-3480	EA	30" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,803.94	1,190.72
		<i>For Class 52 Rating, Deduct</i>	-879.98	
		<i>For Class 54 Rating, Add</i>	1,221.62	
		<i>For Class 55 Rating, Add</i>	1,827.26	
		<i>For Class 56 Rating, Add</i>	2,424.90	
40 05 19 00-3481	EA	30" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,677.48	1,193.60
		<i>For Class 52 Rating, Deduct</i>	-975.59	
		<i>For Class 54 Rating, Add</i>	1,352.05	
		<i>For Class 55 Rating, Add</i>	2,021.19	
		<i>For Class 56 Rating, Add</i>	2,681.46	
40 05 19 00-3482	EA	30" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,551.01	1,196.48
		<i>For Class 52 Rating, Deduct</i>	-1,071.20	
		<i>For Class 54 Rating, Add</i>	1,482.48	
		<i>For Class 55 Rating, Add</i>	2,215.12	
		<i>For Class 56 Rating, Add</i>	2,938.02	
40 05 19 00-3483	EA	30" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,424.57	1,199.38
		<i>For Class 52 Rating, Deduct</i>	-1,166.81	
		<i>For Class 54 Rating, Add</i>	1,612.91	
		<i>For Class 55 Rating, Add</i>	2,409.05	
		<i>For Class 56 Rating, Add</i>	3,194.59	
40 05 19 00-3484	EA	30" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,298.10	1,202.25
		<i>For Class 52 Rating, Deduct</i>	-1,262.42	
		<i>For Class 54 Rating, Add</i>	1,743.34	
		<i>For Class 55 Rating, Add</i>	2,602.98	
		<i>For Class 56 Rating, Add</i>	3,451.15	
40 05 19 00-3485	EA	30" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,171.64	1,205.14
		<i>For Class 52 Rating, Deduct</i>	-1,358.02	
		<i>For Class 54 Rating, Add</i>	1,873.76	
		<i>For Class 55 Rating, Add</i>	2,796.91	
		<i>For Class 56 Rating, Add</i>	3,707.71	
40 05 19 00-3486	EA	30" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,045.18	1,208.02
		<i>For Class 52 Rating, Deduct</i>	-1,453.63	
		<i>For Class 54 Rating, Add</i>	2,004.19	
		<i>For Class 55 Rating, Add</i>	2,990.84	
		<i>For Class 56 Rating, Add</i>	3,964.27	
40 05 19 00-3487	EA	30" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,918.73	1,210.89
		<i>For Class 52 Rating, Deduct</i>	-1,549.24	
		<i>For Class 54 Rating, Add</i>	2,134.62	
		<i>For Class 55 Rating, Add</i>	3,184.77	
		<i>For Class 56 Rating, Add</i>	4,220.84	
40 05 19 00-3488	EA	30" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	16,792.26	1,213.78
		<i>For Class 52 Rating, Deduct</i>	-1,644.85	
		<i>For Class 54 Rating, Add</i>	2,265.05	
		<i>For Class 55 Rating, Add</i>	3,378.70	
		<i>For Class 56 Rating, Add</i>	4,477.40	
40 05 19 00-3489	EA	30" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	17,665.81	1,216.67
		<i>For Class 52 Rating, Deduct</i>	-1,740.46	
		<i>For Class 54 Rating, Add</i>	2,395.48	
		<i>For Class 55 Rating, Add</i>	3,572.63	
		<i>For Class 56 Rating, Add</i>	4,733.96	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3490	EA		30" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	18,539.34	1,219.56
			For Class 52 Rating, Deduct	-1,836.07	
			For Class 54 Rating, Add	2,525.90	
			For Class 55 Rating, Add	3,766.56	
			For Class 56 Rating, Add	4,990.53	
40 05 19 00-3491	EA		30" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	19,412.89	1,222.43
			For Class 52 Rating, Deduct	-1,931.68	
			For Class 54 Rating, Add	2,656.33	
			For Class 55 Rating, Add	3,960.49	
			For Class 56 Rating, Add	5,247.09	
40 05 19 00-3492	EA		30" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	20,286.43	1,225.31
			For Class 52 Rating, Deduct	-2,027.29	
			For Class 54 Rating, Add	2,786.76	
			For Class 55 Rating, Add	4,154.42	
			For Class 56 Rating, Add	5,503.65	
40 05 19 00-3493	EA		30" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	21,159.97	1,228.20
			For Class 52 Rating, Deduct	-2,122.90	
			For Class 54 Rating, Add	2,917.19	
			For Class 55 Rating, Add	4,348.35	
			For Class 56 Rating, Add	5,760.22	
40 05 19 00-3494	EA		30" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	22,033.50	1,231.08
			For Class 52 Rating, Deduct	-2,218.51	
			For Class 54 Rating, Add	3,047.62	
			For Class 55 Rating, Add	4,542.28	
			For Class 56 Rating, Add	6,016.78	
40 05 19 00-3495	EA		30" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	22,907.05	1,233.97
			For Class 52 Rating, Deduct	-2,314.11	
			For Class 54 Rating, Add	3,178.05	
			For Class 55 Rating, Add	4,736.21	
			For Class 56 Rating, Add	6,273.34	
40 05 19 00-3496	EA		30" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	23,780.59	1,236.85
			For Class 52 Rating, Deduct	-2,409.72	
			For Class 54 Rating, Add	3,308.48	
			For Class 55 Rating, Add	4,930.14	
			For Class 56 Rating, Add	6,529.91	
40 05 19 00-3497	EA		30" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	24,654.13	1,239.73
			For Class 52 Rating, Deduct	-2,505.33	
			For Class 54 Rating, Add	3,438.90	
			For Class 55 Rating, Add	5,124.07	
			For Class 56 Rating, Add	6,786.47	
40 05 19 00-3498	EA		30" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	25,527.67	1,242.61
			For Class 52 Rating, Deduct	-2,600.94	
			For Class 54 Rating, Add	3,569.33	
			For Class 55 Rating, Add	5,318.00	
			For Class 56 Rating, Add	7,043.03	
40 05 19 00-3499	EA		30" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	26,401.21	1,245.50
			For Class 52 Rating, Deduct	-2,696.55	
			For Class 54 Rating, Add	3,699.76	
			For Class 55 Rating, Add	5,511.93	
			For Class 56 Rating, Add	7,299.59	
40 05 19 00-3500	EA		30" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	27,274.75	1,248.39
			For Class 52 Rating, Deduct	-2,792.16	
			For Class 54 Rating, Add	3,830.19	
			For Class 55 Rating, Add	5,705.86	
			For Class 56 Rating, Add	7,556.16	
40 05 19 00-3501	EA		30" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	28,148.30	1,251.26
			For Class 52 Rating, Deduct	-2,887.77	
			For Class 54 Rating, Add	3,960.62	
			For Class 55 Rating, Add	5,899.79	
			For Class 56 Rating, Add	7,812.72	
40 05 19 00-3502	EA		30" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	29,021.83	1,254.14
			For Class 52 Rating, Deduct	-2,983.38	
			For Class 54 Rating, Add	4,091.04	
			For Class 55 Rating, Add	6,093.72	
			For Class 56 Rating, Add	8,069.28	
40 05 19 00-3503	EA		30" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	29,895.37	1,257.03
			For Class 52 Rating, Deduct	-3,078.99	
			For Class 54 Rating, Add	4,221.47	
			For Class 55 Rating, Add	6,287.65	
			For Class 56 Rating, Add	8,325.85	
40 05 19 00-3504	EA		30" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	30,768.91	1,259.92
			For Class 52 Rating, Deduct	-3,174.60	
			For Class 54 Rating, Add	4,351.90	
			For Class 55 Rating, Add	6,481.59	
			For Class 56 Rating, Add	8,582.41	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-3505	EA	30" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	31,642.46	1,262.79
		For Class 52 Rating, Deduct	-3,270.20	
		For Class 54 Rating, Add	4,482.33	
		For Class 55 Rating, Add	6,675.52	
		For Class 56 Rating, Add	8,838.97	
40 05 19 00-3506	EA	30" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	32,515.99	1,265.68
		For Class 52 Rating, Deduct	-3,365.81	
		For Class 54 Rating, Add	4,612.76	
		For Class 55 Rating, Add	6,869.45	
		For Class 56 Rating, Add	9,095.54	
40 05 19 00-3507	EA	30" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	33,389.53	1,268.56
		For Class 52 Rating, Deduct	-3,461.42	
		For Class 54 Rating, Add	4,743.19	
		For Class 55 Rating, Add	7,063.38	
		For Class 56 Rating, Add	9,352.10	
40 05 19 00-3508	EA	30" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	34,263.08	1,271.45
		For Class 52 Rating, Deduct	-3,557.03	
		For Class 54 Rating, Add	4,873.61	
		For Class 55 Rating, Add	7,257.31	
		For Class 56 Rating, Add	9,608.66	
40 05 19 00-3509	EA	30" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	35,136.62	1,274.33
		For Class 52 Rating, Deduct	-3,652.64	
		For Class 54 Rating, Add	5,004.04	
		For Class 55 Rating, Add	7,451.24	
		For Class 56 Rating, Add	9,865.23	
40 05 19 00-3510	EA	30" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	36,010.15	1,277.21
		For Class 52 Rating, Deduct	-3,748.25	
		For Class 54 Rating, Add	5,134.47	
		For Class 55 Rating, Add	7,645.17	
		For Class 56 Rating, Add	10,121.79	
40 05 19 00-3511	EA	30" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	36,883.70	1,280.10
		For Class 52 Rating, Deduct	-3,843.86	
		For Class 54 Rating, Add	5,264.90	
		For Class 55 Rating, Add	7,839.10	
		For Class 56 Rating, Add	10,378.35	
40 05 19 00-3512	EA	30" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	37,757.24	1,282.97
		For Class 52 Rating, Deduct	-3,939.47	
		For Class 54 Rating, Add	5,395.33	
		For Class 55 Rating, Add	8,033.03	
		For Class 56 Rating, Add	10,634.92	
40 05 19 00-3513	EA	30" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	38,630.78	1,285.86
		For Class 52 Rating, Deduct	-4,035.08	
		For Class 54 Rating, Add	5,525.76	
		For Class 55 Rating, Add	8,226.96	
		For Class 56 Rating, Add	10,891.48	

40 05 19 00-3514 36" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe

(40 05 19 00-3082)

40 05 19 00-3515	EA	36" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,160.70	1,504.98
		For Class 52 Rating, Deduct	-976.85	
		For Class 54 Rating, Add	1,359.43	
		For Class 55 Rating, Add	2,035.06	
		For Class 56 Rating, Add	2,701.82	
40 05 19 00-3516	EA	36" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,331.59	1,507.87
		For Class 52 Rating, Deduct	-1,105.16	
		For Class 54 Rating, Add	1,534.46	
		For Class 55 Rating, Add	2,295.30	
		For Class 56 Rating, Add	3,046.10	
40 05 19 00-3517	EA	36" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,502.47	1,510.74
		For Class 52 Rating, Deduct	-1,233.48	
		For Class 54 Rating, Add	1,709.49	
		For Class 55 Rating, Add	2,555.54	
		For Class 56 Rating, Add	3,390.38	
40 05 19 00-3518	EA	36" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,673.37	1,513.63
		For Class 52 Rating, Deduct	-1,361.80	
		For Class 54 Rating, Add	1,884.52	
		For Class 55 Rating, Add	2,815.78	
		For Class 56 Rating, Add	3,734.66	
40 05 19 00-3519	EA	36" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,844.25	1,516.51
		For Class 52 Rating, Deduct	-1,490.12	
		For Class 54 Rating, Add	2,059.55	
		For Class 55 Rating, Add	3,076.02	
		For Class 56 Rating, Add	4,078.94	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3520	EA	36" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	17,015.14	1,519.38
		For Class 52 Rating, Deduct	-1,618.43	
		For Class 54 Rating, Add	2,234.58	
		For Class 55 Rating, Add	3,336.26	
		For Class 56 Rating, Add	4,423.22	
40 05 19 00-3521	EA	36" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	18,186.03	1,522.28
		For Class 52 Rating, Deduct	-1,746.75	
		For Class 54 Rating, Add	2,409.61	
		For Class 55 Rating, Add	3,596.50	
		For Class 56 Rating, Add	4,767.50	
40 05 19 00-3522	EA	36" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	19,356.92	1,525.16
		For Class 52 Rating, Deduct	-1,875.07	
		For Class 54 Rating, Add	2,584.64	
		For Class 55 Rating, Add	3,856.73	
		For Class 56 Rating, Add	5,111.78	
40 05 19 00-3523	EA	36" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	20,527.80	1,528.05
		For Class 52 Rating, Deduct	-2,003.38	
		For Class 54 Rating, Add	2,759.67	
		For Class 55 Rating, Add	4,116.97	
		For Class 56 Rating, Add	5,456.06	
40 05 19 00-3524	EA	36" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	21,698.71	1,530.92
		For Class 52 Rating, Deduct	-2,131.70	
		For Class 54 Rating, Add	2,934.70	
		For Class 55 Rating, Add	4,377.21	
		For Class 56 Rating, Add	5,800.35	
40 05 19 00-3525	EA	36" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	22,869.59	1,533.80
		For Class 52 Rating, Deduct	-2,260.02	
		For Class 54 Rating, Add	3,109.73	
		For Class 55 Rating, Add	4,637.45	
		For Class 56 Rating, Add	6,144.63	
40 05 19 00-3526	EA	36" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	24,040.48	1,536.70
		For Class 52 Rating, Deduct	-2,388.34	
		For Class 54 Rating, Add	3,284.76	
		For Class 55 Rating, Add	4,897.69	
		For Class 56 Rating, Add	6,488.91	
40 05 19 00-3527	EA	36" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	25,211.37	1,539.57
		For Class 52 Rating, Deduct	-2,516.65	
		For Class 54 Rating, Add	3,459.79	
		For Class 55 Rating, Add	5,157.93	
		For Class 56 Rating, Add	6,833.19	
40 05 19 00-3528	EA	36" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	26,382.26	1,542.45
		For Class 52 Rating, Deduct	-2,644.97	
		For Class 54 Rating, Add	3,634.82	
		For Class 55 Rating, Add	5,418.17	
		For Class 56 Rating, Add	7,177.47	
40 05 19 00-3529	EA	36" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	27,553.14	1,545.34
		For Class 52 Rating, Deduct	-2,773.29	
		For Class 54 Rating, Add	3,809.86	
		For Class 55 Rating, Add	5,678.41	
		For Class 56 Rating, Add	7,521.75	
40 05 19 00-3530	EA	36" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	28,724.04	1,548.23
		For Class 52 Rating, Deduct	-2,901.61	
		For Class 54 Rating, Add	3,984.89	
		For Class 55 Rating, Add	5,938.65	
		For Class 56 Rating, Add	7,866.03	
40 05 19 00-3531	EA	36" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	29,894.92	1,551.11
		For Class 52 Rating, Deduct	-3,029.92	
		For Class 54 Rating, Add	4,159.92	
		For Class 55 Rating, Add	6,198.89	
		For Class 56 Rating, Add	8,210.31	
40 05 19 00-3532	EA	36" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	31,065.81	1,553.99
		For Class 52 Rating, Deduct	-3,158.24	
		For Class 54 Rating, Add	4,334.95	
		For Class 55 Rating, Add	6,459.12	
		For Class 56 Rating, Add	8,554.59	
40 05 19 00-3533	EA	36" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	32,236.70	1,556.87
		For Class 52 Rating, Deduct	-3,286.56	
		For Class 54 Rating, Add	4,509.98	
		For Class 55 Rating, Add	6,719.36	
		For Class 56 Rating, Add	8,898.87	
40 05 19 00-3534	EA	36" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	33,407.59	1,559.76
		For Class 52 Rating, Deduct	-3,414.88	
		For Class 54 Rating, Add	4,685.01	
		For Class 55 Rating, Add	6,979.60	
		For Class 56 Rating, Add	9,243.15	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-3535	EA	36" Flanged x Plain End (F _x PE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	34,578.48	1,562.63
		For Class 52 Rating, Deduct	-3,543.19	
		For Class 54 Rating, Add	4,860.04	
		For Class 55 Rating, Add	7,239.84	
		For Class 56 Rating, Add	9,587.44	
40 05 19 00-3536	EA	36" Flanged x Plain End (F _x PE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	35,749.38	1,565.53
		For Class 52 Rating, Deduct	-3,671.51	
		For Class 54 Rating, Add	5,035.07	
		For Class 55 Rating, Add	7,500.08	
		For Class 56 Rating, Add	9,931.72	
40 05 19 00-3537	EA	36" Flanged x Plain End (F _x PE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	36,920.26	1,568.41
		For Class 52 Rating, Deduct	-3,799.83	
		For Class 54 Rating, Add	5,210.10	
		For Class 55 Rating, Add	7,760.32	
		For Class 56 Rating, Add	10,276.00	
40 05 19 00-3538	EA	36" Flanged x Plain End (F _x PE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	38,091.15	1,571.28
		For Class 52 Rating, Deduct	-3,928.15	
		For Class 54 Rating, Add	5,385.13	
		For Class 55 Rating, Add	8,020.56	
		For Class 56 Rating, Add	10,620.28	
40 05 19 00-3539	EA	36" Flanged x Plain End (F _x PE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	39,262.04	1,574.17
		For Class 52 Rating, Deduct	-4,056.46	
		For Class 54 Rating, Add	5,560.16	
		For Class 55 Rating, Add	8,280.80	
		For Class 56 Rating, Add	10,964.56	
40 05 19 00-3540	EA	36" Flanged x Plain End (F _x PE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	40,432.93	1,577.05
		For Class 52 Rating, Deduct	-4,184.78	
		For Class 54 Rating, Add	5,735.19	
		For Class 55 Rating, Add	8,541.04	
		For Class 56 Rating, Add	11,308.84	
40 05 19 00-3541	EA	36" Flanged x Plain End (F _x PE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	41,603.81	1,579.95
		For Class 52 Rating, Deduct	-4,313.10	
		For Class 54 Rating, Add	5,910.22	
		For Class 55 Rating, Add	8,801.28	
		For Class 56 Rating, Add	11,653.12	
40 05 19 00-3542	EA	36" Flanged x Plain End (F _x PE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	42,774.71	1,582.82
		For Class 52 Rating, Deduct	-4,441.41	
		For Class 54 Rating, Add	6,085.25	
		For Class 55 Rating, Add	9,061.51	
		For Class 56 Rating, Add	11,997.40	
40 05 19 00-3543	EA	36" Flanged x Plain End (F _x PE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	43,945.59	1,585.70
		For Class 52 Rating, Deduct	-4,569.73	
		For Class 54 Rating, Add	6,260.28	
		For Class 55 Rating, Add	9,321.75	
		For Class 56 Rating, Add	12,341.68	
40 05 19 00-3544	EA	36" Flanged x Plain End (F _x PE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	45,116.48	1,588.59
		For Class 52 Rating, Deduct	-4,698.05	
		For Class 54 Rating, Add	6,435.31	
		For Class 55 Rating, Add	9,581.99	
		For Class 56 Rating, Add	12,685.96	
40 05 19 00-3545	EA	36" Flanged x Plain End (F _x PE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	46,287.38	1,591.46
		For Class 52 Rating, Deduct	-4,826.37	
		For Class 54 Rating, Add	6,610.34	
		For Class 55 Rating, Add	9,842.23	
		For Class 56 Rating, Add	13,030.25	
40 05 19 00-3546	EA	36" Flanged x Plain End (F _x PE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	47,458.27	1,594.35
		For Class 52 Rating, Deduct	-4,954.68	
		For Class 54 Rating, Add	6,785.38	
		For Class 55 Rating, Add	10,102.47	
		For Class 56 Rating, Add	13,374.53	
40 05 19 00-3547	EA	36" Flanged x Plain End (F _x PE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	48,629.15	1,597.24
		For Class 52 Rating, Deduct	-5,083.00	
		For Class 54 Rating, Add	6,960.41	
		For Class 55 Rating, Add	10,362.71	
		For Class 56 Rating, Add	13,718.81	
40 05 19 00-3548	EA	36" Flanged x Plain End (F _x PE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	49,800.05	1,600.12
		For Class 52 Rating, Deduct	-5,211.32	
		For Class 54 Rating, Add	7,135.44	
		For Class 55 Rating, Add	10,622.95	
		For Class 56 Rating, Add	14,063.09	
40 05 19 00-3549	EA	36" Flanged x Plain End (F _x PE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	50,970.93	1,603.00
		For Class 52 Rating, Deduct	-5,339.64	
		For Class 54 Rating, Add	7,310.47	
		For Class 55 Rating, Add	10,883.19	
		For Class 56 Rating, Add	14,407.37	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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40 05 19 00-3550			42" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-3082)		
40 05 19 00-3551	EA		42" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,779.74	1,897.08
			For Class 52 Rating, Deduct.....	-1,309.59	
			For Class 54 Rating, Add.....	1,820.30	
			For Class 55 Rating, Add.....	2,723.88	
			For Class 56 Rating, Add.....	3,615.56	
40 05 19 00-3552	EA		42" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	16,505.30	1,899.96
			For Class 52 Rating, Deduct.....	-1,498.92	
			For Class 54 Rating, Add.....	2,078.53	
			For Class 55 Rating, Add.....	3,107.81	
			For Class 56 Rating, Add.....	4,123.47	
40 05 19 00-3553	EA		42" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	18,216.55	1,902.84
			For Class 52 Rating, Deduct.....	-1,686.68	
			For Class 54 Rating, Add.....	2,334.62	
			For Class 55 Rating, Add.....	3,488.56	
			For Class 56 Rating, Add.....	4,627.16	
40 05 19 00-3554	EA		42" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	19,944.98	1,905.73
			For Class 52 Rating, Deduct.....	-1,876.33	
			For Class 54 Rating, Add.....	2,593.28	
			For Class 55 Rating, Add.....	3,873.12	
			For Class 56 Rating, Add.....	5,135.91	
40 05 19 00-3555	EA		42" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	21,661.95	1,908.61
			For Class 52 Rating, Deduct.....	-2,064.71	
			For Class 54 Rating, Add.....	2,850.22	
			For Class 55 Rating, Add.....	4,255.14	
			For Class 56 Rating, Add.....	5,641.29	
40 05 19 00-3556	EA		42" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	23,396.09	1,911.48
			For Class 52 Rating, Deduct.....	-2,254.99	
			For Class 54 Rating, Add.....	3,109.74	
			For Class 55 Rating, Add.....	4,640.98	
			For Class 56 Rating, Add.....	6,151.73	
40 05 19 00-3557	EA		42" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	25,113.07	1,914.38
			For Class 52 Rating, Deduct.....	-2,443.38	
			For Class 54 Rating, Add.....	3,366.68	
			For Class 55 Rating, Add.....	5,023.00	
			For Class 56 Rating, Add.....	6,657.11	
40 05 19 00-3558	EA		42" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	26,850.07	1,917.26
			For Class 52 Rating, Deduct.....	-2,633.96	
			For Class 54 Rating, Add.....	3,626.63	
			For Class 55 Rating, Add.....	5,409.48	
			For Class 56 Rating, Add.....	7,168.39	
40 05 19 00-3559	EA		42" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	28,569.90	1,920.15
			For Class 52 Rating, Deduct.....	-2,822.67	
			For Class 54 Rating, Add.....	3,884.00	
			For Class 55 Rating, Add.....	5,792.14	
			For Class 56 Rating, Add.....	7,674.61	
40 05 19 00-3560	EA		42" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	30,309.77	1,923.02
			For Class 52 Rating, Deduct.....	-3,013.57	
			For Class 54 Rating, Add.....	4,144.38	
			For Class 55 Rating, Add.....	6,179.26	
			For Class 56 Rating, Add.....	8,186.74	
40 05 19 00-3561	EA		42" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	32,029.60	1,925.90
			For Class 52 Rating, Deduct.....	-3,202.27	
			For Class 54 Rating, Add.....	4,401.75	
			For Class 55 Rating, Add.....	6,561.91	
			For Class 56 Rating, Add.....	8,692.96	
40 05 19 00-3562	EA		42" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	33,769.46	1,928.80
			For Class 52 Rating, Deduct.....	-3,393.18	
			For Class 54 Rating, Add.....	4,662.13	
			For Class 55 Rating, Add.....	6,949.03	
			For Class 56 Rating, Add.....	9,205.09	
40 05 19 00-3563	EA		42" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	35,492.16	1,931.67
			For Class 52 Rating, Deduct.....	-3,582.19	
			For Class 54 Rating, Add.....	4,919.93	
			For Class 55 Rating, Add.....	7,332.32	
			For Class 56 Rating, Add.....	9,712.15	
40 05 19 00-3564	EA		42" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	37,217.72	1,934.56
			For Class 52 Rating, Deduct.....	-3,771.52	
			For Class 54 Rating, Add.....	5,178.16	
			For Class 55 Rating, Add.....	7,716.25	
			For Class 56 Rating, Add.....	10,220.06	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-3565	EA	42" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	38,954.70	1,937.44
		For Class 52 Rating, Deduct	-3,962.11	
		For Class 54 Rating, Add	5,438.10	
		For Class 55 Rating, Add	8,102.73	
		For Class 56 Rating, Add	10,731.34	
40 05 19 00-3566	EA	42" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	40,677.41	1,940.32
		For Class 52 Rating, Deduct	-4,151.13	
		For Class 54 Rating, Add	5,695.91	
		For Class 55 Rating, Add	8,486.02	
		For Class 56 Rating, Add	11,238.40	
40 05 19 00-3567	EA	42" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	42,420.12	1,943.21
		For Class 52 Rating, Deduct	-4,342.35	
		For Class 54 Rating, Add	5,956.71	
		For Class 55 Rating, Add	8,873.78	
		For Class 56 Rating, Add	11,751.37	
40 05 19 00-3568	EA	42" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	44,145.68	1,946.09
		For Class 52 Rating, Deduct	-4,531.68	
		For Class 54 Rating, Add	6,214.94	
		For Class 55 Rating, Add	9,257.71	
		For Class 56 Rating, Add	12,259.28	
40 05 19 00-3569	EA	42" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	45,885.54	1,948.98
		For Class 52 Rating, Deduct	-4,722.58	
		For Class 54 Rating, Add	6,475.32	
		For Class 55 Rating, Add	9,644.83	
		For Class 56 Rating, Add	12,771.41	
40 05 19 00-3570	EA	42" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	47,611.10	1,951.85
		For Class 52 Rating, Deduct	-4,911.91	
		For Class 54 Rating, Add	6,733.55	
		For Class 55 Rating, Add	10,028.76	
		For Class 56 Rating, Add	13,279.32	
40 05 19 00-3571	EA	42" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	49,353.80	1,954.73
		For Class 52 Rating, Deduct	-5,103.13	
		For Class 54 Rating, Add	6,994.35	
		For Class 55 Rating, Add	10,416.52	
		For Class 56 Rating, Add	13,792.29	
40 05 19 00-3572	EA	42" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	51,079.37	1,957.63
		For Class 52 Rating, Deduct	-5,292.46	
		For Class 54 Rating, Add	7,252.58	
		For Class 55 Rating, Add	10,800.45	
		For Class 56 Rating, Add	14,300.19	
40 05 19 00-3573	EA	42" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	52,822.08	1,960.51
		For Class 52 Rating, Deduct	-5,483.68	
		For Class 54 Rating, Add	7,513.39	
		For Class 55 Rating, Add	11,188.20	
		For Class 56 Rating, Add	14,813.16	
40 05 19 00-3574	EA	42" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	54,544.78	1,963.39
		For Class 52 Rating, Deduct	-5,672.69	
		For Class 54 Rating, Add	7,771.19	
		For Class 55 Rating, Add	11,571.49	
		For Class 56 Rating, Add	15,320.23	
40 05 19 00-3575	EA	42" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	56,290.35	1,966.27
		For Class 52 Rating, Deduct	-5,864.23	
		For Class 54 Rating, Add	8,032.42	
		For Class 55 Rating, Add	11,959.89	
		For Class 56 Rating, Add	15,834.04	
40 05 19 00-3576	EA	42" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	58,015.91	1,969.15
		For Class 52 Rating, Deduct	-6,053.56	
		For Class 54 Rating, Add	8,290.65	
		For Class 55 Rating, Add	12,343.82	
		For Class 56 Rating, Add	16,341.95	
40 05 19 00-3577	EA	42" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	59,755.77	1,972.04
		For Class 52 Rating, Deduct	-6,244.46	
		For Class 54 Rating, Add	8,551.03	
		For Class 55 Rating, Add	12,730.94	
		For Class 56 Rating, Add	16,854.08	
40 05 19 00-3578	EA	42" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	61,484.18	1,974.92
		For Class 52 Rating, Deduct	-6,434.11	
		For Class 54 Rating, Add	8,809.69	
		For Class 55 Rating, Add	13,115.50	
		For Class 56 Rating, Add	17,362.83	
40 05 19 00-3579	EA	42" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	62,872.36	1,977.81
		For Class 52 Rating, Deduct	-6,586.33	
		For Class 54 Rating, Add	9,017.31	
		For Class 55 Rating, Add	13,424.20	
		For Class 56 Rating, Add	17,771.21	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3580	EA	42" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	64,952.45	1,980.69
		For Class 52 Rating, Deduct.....	-6,814.66	
		For Class 54 Rating, Add.....	9,328.72	
		For Class 55 Rating, Add.....	13,887.19	
		For Class 56 Rating, Add.....	18,383.70	
40 05 19 00-3581	EA	42" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	66,675.15	1,983.56
		For Class 52 Rating, Deduct.....	-7,003.67	
		For Class 54 Rating, Add.....	9,586.53	
		For Class 55 Rating, Add.....	14,270.48	
		For Class 56 Rating, Add.....	18,890.77	
40 05 19 00-3582	EA	42" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	68,417.87	1,986.46
		For Class 52 Rating, Deduct.....	-7,194.89	
		For Class 54 Rating, Add.....	9,847.33	
		For Class 55 Rating, Add.....	14,658.24	
		For Class 56 Rating, Add.....	19,403.74	
40 05 19 00-3583	EA	42" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	70,143.43	1,989.34
		For Class 52 Rating, Deduct.....	-7,384.22	
		For Class 54 Rating, Add.....	10,105.56	
		For Class 55 Rating, Add.....	15,042.17	
		For Class 56 Rating, Add.....	19,911.65	
40 05 19 00-3584	EA	42" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	71,888.99	1,992.23
		For Class 52 Rating, Deduct.....	-7,575.75	
		For Class 54 Rating, Add.....	10,366.79	
		For Class 55 Rating, Add.....	15,430.56	
		For Class 56 Rating, Add.....	20,425.46	
40 05 19 00-3585	EA	42" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	73,611.70	1,995.10
		For Class 52 Rating, Deduct.....	-7,764.77	
		For Class 54 Rating, Add.....	10,624.60	
		For Class 55 Rating, Add.....	15,813.85	
		For Class 56 Rating, Add.....	20,932.52	
40 05 19 00-3586 48" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe				
		(40 05 19 00-3082)		
40 05 19 00-3587	EA	48" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	19,094.73	2,384.32
		For Class 52 Rating, Deduct.....	-1,703.03	
		For Class 54 Rating, Add.....	2,365.67	
		For Class 55 Rating, Add.....	3,539.22	
		For Class 56 Rating, Add.....	4,697.28	
40 05 19 00-3588	EA	48" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	21,575.11	2,387.20
		For Class 52 Rating, Deduct.....	-1,975.39	
		For Class 54 Rating, Add.....	2,737.12	
		For Class 55 Rating, Add.....	4,091.47	
		For Class 56 Rating, Add.....	5,427.86	
40 05 19 00-3589	EA	48" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	24,064.05	2,390.09
		For Class 52 Rating, Deduct.....	-2,248.70	
		For Class 54 Rating, Add.....	3,109.86	
		For Class 55 Rating, Add.....	4,645.64	
		For Class 56 Rating, Add.....	6,160.97	
40 05 19 00-3590	EA	48" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	26,578.73	2,392.98
		For Class 52 Rating, Deduct.....	-2,524.83	
		For Class 54 Rating, Add.....	3,486.46	
		For Class 55 Rating, Add.....	5,205.54	
		For Class 56 Rating, Add.....	6,901.67	
40 05 19 00-3591	EA	48" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	29,087.68	2,395.85
		For Class 52 Rating, Deduct.....	-2,800.34	
		For Class 54 Rating, Add.....	3,862.20	
		For Class 55 Rating, Add.....	5,764.17	
		For Class 56 Rating, Add.....	7,640.67	
40 05 19 00-3592	EA	48" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	31,599.50	2,398.74
		For Class 52 Rating, Deduct.....	-3,076.16	
		For Class 54 Rating, Add.....	4,238.37	
		For Class 55 Rating, Add.....	6,323.43	
		For Class 56 Rating, Add.....	8,380.53	
40 05 19 00-3593	EA	48" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	34,128.47	2,401.62
		For Class 52 Rating, Deduct.....	-3,353.86	
		For Class 54 Rating, Add.....	4,617.11	
		For Class 55 Rating, Add.....	6,886.53	
		For Class 56 Rating, Add.....	9,125.45	
40 05 19 00-3594	EA	48" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	36,651.73	2,404.49
		For Class 52 Rating, Deduct.....	-3,630.94	
		For Class 54 Rating, Add.....	4,995.00	
		For Class 55 Rating, Add.....	7,448.34	
		For Class 56 Rating, Add.....	9,868.67	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
40 05 19 00-3595	EA 48" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
	Coat, Ductile Iron Pipe.....	39,169.26		2,407.38
	For Class 52 Rating, Deduct	-3,907.39		
	For Class 54 Rating, Add	5,372.03		
	For Class 55 Rating, Add	8,008.88		
	For Class 56 Rating, Add	10,610.22		
40 05 19 00-3596	EA 48" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
	Coat, Ductile Iron Pipe.....	41,709.67		2,410.27
	For Class 52 Rating, Deduct	-4,186.35		
	For Class 54 Rating, Add	5,752.49		
	For Class 55 Rating, Add	8,574.52		
	For Class 56 Rating, Add	11,358.51		
40 05 19 00-3597	EA 48" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
	Coat, Ductile Iron Pipe.....	44,238.64		2,413.16
	For Class 52 Rating, Deduct	-4,464.06		
	For Class 54 Rating, Add	6,131.23		
	For Class 55 Rating, Add	9,137.62		
	For Class 56 Rating, Add	12,103.42		
40 05 19 00-3598	EA 48" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
	Coat, Ductile Iron Pipe.....	46,781.91		2,416.03
	For Class 52 Rating, Deduct	-4,743.34		
	For Class 54 Rating, Add	6,512.12		
	For Class 55 Rating, Add	9,703.89		
	For Class 56 Rating, Add	12,852.55		
40 05 19 00-3599	EA 48" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
	Coat, Ductile Iron Pipe.....	49,308.01		2,418.91
	For Class 52 Rating, Deduct	-5,020.73		
	For Class 54 Rating, Add	6,890.43		
	For Class 55 Rating, Add	10,266.35		
	For Class 56 Rating, Add	13,596.62		
40 05 19 00-3600	EA 48" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
	Coat, Ductile Iron Pipe.....	51,839.85		2,421.81
	For Class 52 Rating, Deduct	-5,298.75		
	For Class 54 Rating, Add	7,269.60		
	For Class 55 Rating, Add	10,830.08		
	For Class 56 Rating, Add	14,342.38		
40 05 19 00-3601	EA 48" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
	Coat, Ductile Iron Pipe.....	54,385.97		2,424.69
	For Class 52 Rating, Deduct	-5,578.34		
	For Class 54 Rating, Add	7,650.92		
	For Class 55 Rating, Add	11,396.99		
	For Class 56 Rating, Add	15,092.36		
40 05 19 00-3602	EA 48" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
	Coat, Ductile Iron Pipe.....	56,917.80		2,427.57
	For Class 52 Rating, Deduct	-5,856.36		
	For Class 54 Rating, Add	8,030.09		
	For Class 55 Rating, Add	11,960.72		
	For Class 56 Rating, Add	15,838.12		
40 05 19 00-3603	EA 48" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
	Coat, Ductile Iron Pipe.....	59,449.64		2,430.45
	For Class 52 Rating, Deduct	-6,134.39		
	For Class 54 Rating, Add	8,409.26		
	For Class 55 Rating, Add	12,524.45		
	For Class 56 Rating, Add	16,583.88		
40 05 19 00-3604	EA 48" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
	Coat, Ductile Iron Pipe.....	61,998.62		2,433.33
	For Class 52 Rating, Deduct	-6,414.29		
	For Class 54 Rating, Add	8,791.00		
	For Class 55 Rating, Add	13,092.01		
	For Class 56 Rating, Add	17,334.69		
40 05 19 00-3605	EA 48" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
	Coat, Ductile Iron Pipe.....	64,533.30		2,436.21
	For Class 52 Rating, Deduct	-6,692.63		
	For Class 54 Rating, Add	9,170.61		
	For Class 55 Rating, Add	13,656.37		
	For Class 56 Rating, Add	18,081.29		
40 05 19 00-3606	EA 48" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
	Coat, Ductile Iron Pipe.....	67,065.15		2,439.10
	For Class 52 Rating, Deduct	-6,970.65		
	For Class 54 Rating, Add	9,549.78		
	For Class 55 Rating, Add	14,220.10		
	For Class 56 Rating, Add	18,827.06		
40 05 19 00-3607	EA 48" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
	Coat, Ductile Iron Pipe.....	69,619.84		2,441.99
	For Class 52 Rating, Deduct	-7,251.19		
	For Class 54 Rating, Add	9,932.38		
	For Class 55 Rating, Add	14,788.93		
	For Class 56 Rating, Add	19,579.56		
40 05 19 00-3608	EA 48" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
	Coat, Ductile Iron Pipe.....	72,157.39		2,444.87
	For Class 52 Rating, Deduct	-7,529.84		
	For Class 54 Rating, Add	10,312.41		
	For Class 55 Rating, Add	15,353.93		
	For Class 56 Rating, Add	20,327.01		
40 05 19 00-3609	EA 48" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
	Coat, Ductile Iron Pipe.....	74,692.08		2,447.74
	For Class 52 Rating, Deduct	-7,808.17		
	For Class 54 Rating, Add	10,692.01		
	For Class 55 Rating, Add	15,918.30		
	For Class 56 Rating, Add	21,073.61		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3610 EA 48" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	77,243.93	2,450.63
For Class 52 Rating, Deduct	-8,088.39	
For Class 54 Rating, Add	11,074.18	
For Class 55 Rating, Add	16,486.49	
For Class 56 Rating, Add	21,825.27	
40 05 19 00-3611 EA 48" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	79,781.47	2,453.52
For Class 52 Rating, Deduct	-8,367.04	
For Class 54 Rating, Add	11,454.21	
For Class 55 Rating, Add	17,051.50	
For Class 56 Rating, Add	22,572.72	
40 05 19 00-3612 EA 48" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	82,316.17	2,456.39
For Class 52 Rating, Deduct	-8,645.38	
For Class 54 Rating, Add	11,833.81	
For Class 55 Rating, Add	17,615.86	
For Class 56 Rating, Add	23,319.32	
40 05 19 00-3613 EA 48" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	84,870.86	2,459.28
For Class 52 Rating, Deduct	-8,925.91	
For Class 54 Rating, Add	12,216.42	
For Class 55 Rating, Add	18,184.69	
For Class 56 Rating, Add	24,071.82	
40 05 19 00-3614 EA 48" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	87,408.41	2,462.16
For Class 52 Rating, Deduct	-9,204.56	
For Class 54 Rating, Add	12,596.45	
For Class 55 Rating, Add	18,749.70	
For Class 56 Rating, Add	24,819.27	
40 05 19 00-3615 EA 48" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	89,645.76	2,465.06
For Class 52 Rating, Deduct	-9,450.19	
For Class 54 Rating, Add	12,931.45	
For Class 55 Rating, Add	19,247.76	
For Class 56 Rating, Add	25,478.15	
40 05 19 00-3616 EA 48" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	92,503.53	2,467.93
For Class 52 Rating, Deduct	-9,764.07	
For Class 54 Rating, Add	13,359.51	
For Class 55 Rating, Add	19,884.17	
For Class 56 Rating, Add	26,320.07	
40 05 19 00-3617 EA 48" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	95,038.21	2,470.81
For Class 52 Rating, Deduct	-10,042.40	
For Class 54 Rating, Add	13,739.11	
For Class 55 Rating, Add	20,448.53	
For Class 56 Rating, Add	27,066.67	
40 05 19 00-3618 EA 48" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	97,598.64	2,473.70
For Class 52 Rating, Deduct	-10,323.57	
For Class 54 Rating, Add	14,122.57	
For Class 55 Rating, Add	21,018.64	
For Class 56 Rating, Add	27,820.86	
40 05 19 00-3619 EA 48" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	100,133.33	2,476.57
For Class 52 Rating, Deduct	-10,601.90	
For Class 54 Rating, Add	14,502.17	
For Class 55 Rating, Add	21,583.01	
For Class 56 Rating, Add	28,567.46	
40 05 19 00-3620 EA 48" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	102,668.02	2,479.46
For Class 52 Rating, Deduct	-10,880.24	
For Class 54 Rating, Add	14,881.77	
For Class 55 Rating, Add	22,147.37	
For Class 56 Rating, Add	29,314.07	
40 05 19 00-3621 EA 48" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	105,228.44	2,482.35
For Class 52 Rating, Deduct	-11,161.40	
For Class 54 Rating, Add	15,265.23	
For Class 55 Rating, Add	22,717.48	
For Class 56 Rating, Add	30,068.26	

40 05 19 00-3622 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbows (40 05 19 00-2073)

40 05 19 00-3623 EA 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	777.07	139.10
40 05 19 00-3624 EA 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	1,137.23	177.88
40 05 19 00-3625 EA 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	1,621.92	201.48
40 05 19 00-3626 EA 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	2,315.99	255.43
40 05 19 00-3627 EA 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	2,884.79	283.25
40 05 19 00-3628 EA 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	3,537.33	307.70
40 05 19 00-3629 EA 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	4,343.88	379.35
40 05 19 00-3630 EA 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	5,448.70	455.23
40 05 19 00-3631 EA 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	6,660.21	573.24
40 05 19 00-3632 EA 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	9,904.97	649.12
40 05 19 00-3633 EA 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	15,368.74	859.87
40 05 19 00-3634 EA 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	22,784.31	973.68
40 05 19 00-3635 EA 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	38,874.12	1,112.77
40 05 19 00-3636 EA 48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	51,424.38	1,365.68

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-3637		Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron	
		45 Degree Elbows (40 05 19 00-2073)	
40 05 19 00-3638	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	740.58 139.10
40 05 19 00-3639	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,076.95 177.88
40 05 19 00-3640	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,472.80 201.48
40 05 19 00-3641	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	2,103.42 255.43
40 05 19 00-3642	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	2,610.36 283.25
40 05 19 00-3643	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	3,040.81 307.70
40 05 19 00-3644	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	3,737.90 379.35
40 05 19 00-3645	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	4,757.06 455.23
40 05 19 00-3646	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	5,982.86 573.24
40 05 19 00-3647	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	7,853.86 649.12
40 05 19 00-3648	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	15,005.47 859.87
40 05 19 00-3649	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	22,298.89 973.68
40 05 19 00-3650	EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	33,705.89 1,112.77
40 05 19 00-3651	EA	48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	45,575.62 1,365.68
40 05 19 00-3652		Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron	
		22-1/2 Degree Elbows (40 05 19 00-2073)	
40 05 19 00-3653	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	738.99 139.10
40 05 19 00-3654	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,056.32 177.88
40 05 19 00-3655	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,460.11 201.48
40 05 19 00-3656	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	2,054.24 255.43
40 05 19 00-3657	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	2,719.82 283.25
40 05 19 00-3658	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	3,375.52 307.70
40 05 19 00-3659	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	3,814.05 379.35
40 05 19 00-3660	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	4,849.07 455.23
40 05 19 00-3661	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	6,377.85 573.24
40 05 19 00-3662	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	8,766.00 649.12
40 05 19 00-3663	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	15,167.28 859.87
40 05 19 00-3664	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	22,668.51 973.68
40 05 19 00-3665	EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	34,443.53 1,112.77
40 05 19 00-3666	EA	48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	46,540.10 1,365.68
40 05 19 00-3667		Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron	
		11-1/4 Degree Elbows (40 05 19 00-2073)	
40 05 19 00-3668	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	800.86 139.10
40 05 19 00-3669	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,172.13 177.88
40 05 19 00-3670	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,507.70 201.48
40 05 19 00-3671	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	2,223.98 255.43
40 05 19 00-3672	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	3,035.49 283.25
40 05 19 00-3673	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	3,456.42 307.70
40 05 19 00-3674	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	4,155.10 379.35
40 05 19 00-3675	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	4,849.07 455.23
40 05 19 00-3676	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	6,377.85 573.24
40 05 19 00-3677	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	9,089.61 649.12
40 05 19 00-3678	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	15,325.91 859.87
40 05 19 00-3679	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	22,830.31 973.68
40 05 19 00-3680	EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	34,613.26 1,112.77
40 05 19 00-3681	EA	48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	46,882.75 1,365.68
40 05 19 00-3682		Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron	
		Reducing 90 Degree Elbows (40 05 19 00-2073)	
40 05 19 00-3683	EA	6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,106.26 158.49
40 05 19 00-3684	EA	8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,425.54 170.29
40 05 19 00-3685	EA	8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,548.51 189.68
40 05 19 00-3686	EA	10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,124.74 197.26
40 05 19 00-3687	EA	10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,165.23 216.65
40 05 19 00-3688	EA	10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,324.29 228.45
40 05 19 00-3689	EA	12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,537.52 230.99
40 05 19 00-3690	EA	12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,833.00 242.79
40 05 19 00-3691	EA	12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,967.46 269.76
40 05 19 00-3692	EA	14" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,953.56 242.79
40 05 19 00-3693	EA	14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,203.04 254.59
40 05 19 00-3694	EA	14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,472.34 281.56
40 05 19 00-3695	EA	14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,773.25 295.89
40 05 19 00-3696	EA	16" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,399.67 278.61
40 05 19 00-3697	EA	16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,603.15 290.42
40 05 19 00-3698	EA	16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,012.05 317.39
40 05 19 00-3699	EA	16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,313.90 331.31
40 05 19 00-3700	EA	16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,560.85 343.53
40 05 19 00-3701	EA	18" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,947.32 316.55
40 05 19 00-3702	EA	18" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,568.01 328.36
40 05 19 00-3703	EA	18" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,651.71 355.33
40 05 19 00-3704	EA	18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,858.38 369.24
40 05 19 00-3705	EA	18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,200.51 381.46
40 05 19 00-3706	EA	18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,575.23 417.29
40 05 19 00-3707	EA	20" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,934.58 375.56
40 05 19 00-3708	EA	20" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,203.10 387.36

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3709	EA	20" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,238.59	414.34
40 05 19 00-3710	EA	20" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,427.83	428.25
40 05 19 00-3711	EA	20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,003.15	440.48
40 05 19 00-3712	EA	20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,828.99	476.30
40 05 19 00-3713	EA	20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,183.11	514.24
40 05 19 00-3714	EA	24" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,821.09	413.50
40 05 19 00-3715	EA	24" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,084.85	425.30
40 05 19 00-3716	EA	24" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,525.47	452.28
40 05 19 00-3717	EA	24" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,844.78	466.18
40 05 19 00-3718	EA	24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	8,459.76	478.41
40 05 19 00-3719	EA	24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	9,012.14	514.24
40 05 19 00-3720	EA	24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	9,167.98	552.17
40 05 19 00-3721	EA	24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	9,604.48	546.07
40 05 19 00-3722	EA	30" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	11,586.36	571.56
40 05 19 00-3723	EA	30" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	12,245.75	583.78
40 05 19 00-3724	EA	30" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	13,862.55	619.62
40 05 19 00-3725	EA	30" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	15,606.29	657.55
40 05 19 00-3726	EA	30" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	20,882.97	716.56
40 05 19 00-3727	EA	30" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	22,317.37	754.49
40 05 19 00-3728	EA	36" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	20,182.37	773.46
40 05 19 00-3729	EA	36" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	22,048.25	811.40
40 05 19 00-3730	EA	36" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	23,115.29	916.77
40 05 19 00-3731	EA	42" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	29,915.13	843.01
40 05 19 00-3732	EA	42" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	30,640.44	880.95
40 05 19 00-3733	EA	42" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	30,616.09	986.33
40 05 19 00-3734	EA	42" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	43,679.99	1,043.22
40 05 19 00-3735	EA	48" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	41,780.91	1,017.93
40 05 19 00-3736	EA	48" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	45,417.80	1,123.31
40 05 19 00-3737	EA	48" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	46,717.54	1,180.22
40 05 19 00-3738	EA	48" x 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	57,949.37	1,249.77
40 05 19 00-3739 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbows (40 05 19 00-2073)				
40 05 19 00-3740	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	911.90	139.10
40 05 19 00-3741	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	1,432.28	177.88
40 05 19 00-3742	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	2,123.19	201.48
40 05 19 00-3743	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	2,963.20	255.43
40 05 19 00-3744	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	4,141.16	283.25
40 05 19 00-3745	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	4,853.97	307.70
40 05 19 00-3746	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	6,185.59	379.35
40 05 19 00-3747	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	7,571.20	455.23
40 05 19 00-3748	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	10,107.29	573.24
40 05 19 00-3749	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	14,730.56	649.12
40 05 19 00-3750	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	25,497.39	859.87
40 05 19 00-3751	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	38,588.81	973.68
40 05 19 00-3752	EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	59,432.83	1,112.77
40 05 19 00-3753 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbows (40 05 19 00-2073)				
40 05 19 00-3754	EA	6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	1,904.64	158.49
40 05 19 00-3755	EA	8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	3,211.29	170.29
40 05 19 00-3756	EA	8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	3,030.92	189.68
40 05 19 00-3757	EA	10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	3,394.95	197.26
40 05 19 00-3758	EA	10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	3,751.88	216.65
40 05 19 00-3759	EA	10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	3,881.34	228.45
40 05 19 00-3760	EA	12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	7,843.41	230.99
40 05 19 00-3761	EA	12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	6,020.05	242.79
40 05 19 00-3762	EA	12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	6,060.92	269.76
40 05 19 00-3763	EA	14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	8,063.91	254.59
40 05 19 00-3764	EA	14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	11,472.17	281.56
40 05 19 00-3765	EA	14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	11,217.76	295.89
40 05 19 00-3766	EA	16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	14,789.63	290.42
40 05 19 00-3767	EA	16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	14,693.06	317.39
40 05 19 00-3768	EA	16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	13,710.07	331.31
40 05 19 00-3769	EA	16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	13,604.54	343.53
40 05 19 00-3770	EA	18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	20,147.14	369.24

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-3771	EA	18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	18,355.66	381.46
40 05 19 00-3772	EA	18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	16,599.96	417.29
40 05 19 00-3773	EA	20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	27,084.48	440.48
40 05 19 00-3774	EA	20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	22,799.87	476.30
40 05 19 00-3775	EA	20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	18,518.45	514.24
40 05 19 00-3776	EA	24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	33,971.37	478.41
40 05 19 00-3777	EA	24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	27,157.86	514.24
40 05 19 00-3778	EA	24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	20,347.56	552.17
40 05 19 00-3779	EA	24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	27,794.25	546.07

40 05 19 00-3780 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbows With Base
(40 05 19 00-2073)

40 05 19 00-3781	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	956.32	139.10
40 05 19 00-3782	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	1,345.03	177.88
40 05 19 00-3783	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	2,181.89	201.48
40 05 19 00-3784	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	2,918.79	255.43
40 05 19 00-3785	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	3,898.45	283.25
40 05 19 00-3786	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	4,620.78	307.70
40 05 19 00-3787	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	5,631.97	379.35
40 05 19 00-3788	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	6,974.74	455.23
40 05 19 00-3789	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	9,011.14	573.24
40 05 19 00-3790	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	12,642.96	649.12
40 05 19 00-3791	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	20,384.68	859.87
40 05 19 00-3792	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	29,005.85	973.68
40 05 19 00-3793	EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	51,036.44	1,112.77
40 05 19 00-3794	EA	48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	57,273.15	1,365.68

40 05 19 00-3795 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tees
(40 05 19 00-2073)

40 05 19 00-3796	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	1,177.64	223.39
40 05 19 00-3797	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	1,523.65	274.82
40 05 19 00-3798	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	2,197.19	306.85
40 05 19 00-3799	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	3,105.79	398.74
40 05 19 00-3800	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	4,148.98	435.00
40 05 19 00-3801	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	5,555.11	467.87
40 05 19 00-3802	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	6,008.41	590.10
40 05 19 00-3803	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	7,459.12	674.41
40 05 19 00-3804	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	9,383.46	851.44
40 05 19 00-3805	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	13,811.75	939.95
40 05 19 00-3806	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	22,689.12	1,298.23
40 05 19 00-3807	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	32,061.37	1,487.91
40 05 19 00-3808	EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	68,474.44	1,719.74

40 05 19 00-3809 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tees
(40 05 19 00-2073)

40 05 19 00-3810	EA	6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	1,566.23	249.53
40 05 19 00-3811	EA	8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	2,027.58	254.59
40 05 19 00-3812	EA	8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	1,996.81	286.62
40 05 19 00-3813	EA	10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	2,698.22	281.56
40 05 19 00-3814	EA	10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	2,630.96	313.60
40 05 19 00-3815	EA	10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	2,742.52	333.84
40 05 19 00-3816	EA	12" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	3,441.71	295.89
40 05 19 00-3817	EA	12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	3,401.42	327.94
40 05 19 00-3818	EA	12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	3,549.46	348.17
40 05 19 00-3819	EA	12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	4,093.57	413.08
40 05 19 00-3820	EA	14" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	4,923.77	307.70
40 05 19 00-3821	EA	14" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	4,807.32	339.74
40 05 19 00-3822	EA	14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	4,977.59	359.97
40 05 19 00-3823	EA	14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,167.93	424.88
40 05 19 00-3824	EA	14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,433.39	447.22
40 05 19 00-3825	EA	16" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,940.95	343.53
40 05 19 00-3826	EA	16" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,001.21	375.56
40 05 19 00-3827	EA	16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,115.93	395.79
40 05 19 00-3828	EA	16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	6,175.60	460.71
40 05 19 00-3829	EA	16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,530.50	483.04
40 05 19 00-3830	EA	16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	6,604.01	503.69
40 05 19 00-3831	EA	18" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,585.35	413.50
40 05 19 00-3832	EA	18" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	6,575.73	433.73
40 05 19 00-3833	EA	18" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	6,532.90	498.64
40 05 19 00-3834	EA	18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	6,174.93	520.98
40 05 19 00-3835	EA	18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	7,610.11	541.64
40 05 19 00-3836	EA	18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	8,018.64	628.04
40 05 19 00-3837	EA	20" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	7,965.40	472.51

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3838	EA	20" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	8,094.41	492.74
40 05 19 00-3839	EA	20" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	8,343.45	557.65
40 05 19 00-3840	EA	20" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	8,626.36	579.99
40 05 19 00-3841	EA	20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	8,706.83	600.65
40 05 19 00-3842	EA	20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	10,279.72	687.05
40 05 19 00-3843	EA	20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	10,448.33	733.42
40 05 19 00-3844	EA	24" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	9,203.10	510.45
40 05 19 00-3845	EA	24" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	9,560.54	530.68
40 05 19 00-3846	EA	24" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	9,841.31	595.58
40 05 19 00-3847	EA	24" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	10,906.27	617.93
40 05 19 00-3848	EA	24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	11,135.85	638.58
40 05 19 00-3849	EA	24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	11,398.45	724.99
40 05 19 00-3850	EA	24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	14,715.89	771.35
40 05 19 00-3851	EA	24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	15,148.21	824.26
40 05 19 00-3852	EA	30" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	18,206.50	615.82
40 05 19 00-3853	EA	30" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	18,289.50	636.05
40 05 19 00-3854	EA	30" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	18,708.28	700.97
40 05 19 00-3855	EA	30" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	18,742.13	723.30
40 05 19 00-3856	EA	30" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	18,773.42	743.96
40 05 19 00-3857	EA	30" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	18,904.35	830.37
40 05 19 00-3858	EA	30" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	19,502.86	876.74
40 05 19 00-3859	EA	30" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	20,454.21	994.75
40 05 19 00-3860	EA	30" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	24,924.95	1,045.33
40 05 19 00-3861	EA	36" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	26,151.79	881.37
40 05 19 00-3862	EA	36" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	26,388.64	897.39
40 05 19 00-3863	EA	36" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	26,510.59	943.33
40 05 19 00-3864	EA	36" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	26,698.27	961.45
40 05 19 00-3865	EA	36" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	26,777.12	977.90
40 05 19 00-3866	EA	36" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	26,974.42	1,039.01
40 05 19 00-3867	EA	36" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	27,093.80	1,081.16
40 05 19 00-3868	EA	36" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	27,438.90	1,169.68
40 05 19 00-3869	EA	36" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	27,988.20	1,213.93
40 05 19 00-3870	EA	36" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	36,188.05	1,393.07
40 05 19 00-3871	EA	42" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	39,724.04	849.75
40 05 19 00-3872	EA	42" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	39,814.04	870.40
40 05 19 00-3873	EA	42" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	40,055.99	956.81
40 05 19 00-3874	EA	42" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	40,183.36	1,003.18
40 05 19 00-3875	EA	42" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	40,589.02	1,121.20
40 05 19 00-3876	EA	42" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	41,120.93	1,171.79
40 05 19 00-3877	EA	42" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	51,499.51	1,424.69
40 05 19 00-3878	EA	42" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	65,728.51	1,557.46
40 05 19 00-3879	EA	48" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	53,350.27	986.75
40 05 19 00-3880	EA	48" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	53,381.58	1,007.40
40 05 19 00-3881	EA	48" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	53,680.64	1,093.81
40 05 19 00-3882	EA	48" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	53,750.90	1,140.17
40 05 19 00-3883	EA	48" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	54,156.57	1,258.20
40 05 19 00-3884	EA	48" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	54,632.95	1,308.77
40 05 19 00-3885	EA	48" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	55,810.88	1,561.68
40 05 19 00-3886 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron				
Tees With Base (40 05 19 00-2073)				
40 05 19 00-3887	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base.....	1,269.65	223.39
40 05 19 00-3888	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base.....	1,791.74	274.82
40 05 19 00-3889	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base.....	2,650.88	306.85
40 05 19 00-3890	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base.....	3,965.57	398.74
40 05 19 00-3891	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base.....	5,341.90	435.00
40 05 19 00-3892	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base.....	6,019.90	467.87
40 05 19 00-3893	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base.....	7,378.99	590.10
40 05 19 00-3894	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base.....	8,916.94	674.41
40 05 19 00-3895	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base.....	11,720.11	851.44
40 05 19 00-3896	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base.....	16,860.66	939.95
40 05 19 00-3897	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base.....	27,917.63	1,298.23
40 05 19 00-3898	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base.....	39,739.16	1,487.91
40 05 19 00-3899 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron				
Wyes (40 05 19 00-2073)				
40 05 19 00-3900	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye.....	1,039.63	223.39
40 05 19 00-3901	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye.....	1,512.55	274.82
40 05 19 00-3902	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye.....	2,233.68	306.85
40 05 19 00-3903	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye.....	2,943.98	398.74
40 05 19 00-3904	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye.....	4,444.04	435.00
40 05 19 00-3905	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye.....	5,945.34	467.87
40 05 19 00-3906 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron				
Crosses (40 05 19 00-2073)				
40 05 19 00-3907	EA	4" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross.....	1,337.10	307.70
40 05 19 00-3908	EA	6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross.....	1,877.33	333.41
40 05 19 00-3909	EA	6" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross.....	1,951.32	371.77
40 05 19 00-3910	EA	8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross.....	2,420.23	338.89
40 05 19 00-3911	EA	8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross.....	2,583.10	383.57
40 05 19 00-3912	EA	8" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross.....	2,640.80	412.23

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

40 05 19 00-3913	EA	10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	3,176.54	365.87
40 05 19 00-3914	EA	10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	3,429.83	410.54
40 05 19 00-3915	EA	10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	3,704.85	439.21
40 05 19 00-3916	EA	10" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	4,458.73	542.06
40 05 19 00-3917	EA	12" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	4,149.40	379.77
40 05 19 00-3918	EA	12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	4,309.10	424.46
40 05 19 00-3919	EA	12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	4,584.14	453.12
40 05 19 00-3920	EA	12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	5,385.59	555.96
40 05 19 00-3921	EA	12" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	5,054.67	586.73
40 05 19 00-3922	EA	14" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	5,185.82	436.68
40 05 19 00-3923	EA	14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	5,460.86	465.34
40 05 19 00-3924	EA	14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	5,937.11	568.19
40 05 19 00-3925	EA	14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	6,402.52	598.96
40 05 19 00-3926	EA	14" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	6,675.02	628.04
40 05 19 00-3927	EA	16" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	6,187.14	472.51
40 05 19 00-3928	EA	16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	6,506.58	501.17
40 05 19 00-3929	EA	16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	6,984.44	604.02
40 05 19 00-3930	EA	16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	7,494.27	634.79
40 05 19 00-3931	EA	16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	10,265.21	663.87
40 05 19 00-3932	EA	16" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	8,301.10	800.86
40 05 19 00-3933	EA	18" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	6,503.19	510.45
40 05 19 00-3934	EA	18" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	6,822.63	539.11
40 05 19 00-3935	EA	18" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	7,208.48	641.95
40 05 19 00-3936	EA	18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	7,718.31	672.72
40 05 19 00-3937	EA	18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	8,776.04	701.81
40 05 19 00-3938	EA	18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	9,400.79	838.79
40 05 19 00-3939	EA	18" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	9,758.24	893.59
40 05 19 00-3940	EA	20" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	8,361.34	569.45
40 05 19 00-3941	EA	20" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	8,703.00	598.12
40 05 19 00-3942	EA	20" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	9,057.11	700.97
40 05 19 00-3943	EA	20" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	9,600.25	731.73
40 05 19 00-3944	EA	20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	9,745.85	760.81
40 05 19 00-3945	EA	20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	11,642.84	897.81
40 05 19 00-3946	EA	20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	12,022.51	952.60
40 05 19 00-3947	EA	20" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	12,987.13	1,129.63
40 05 19 00-3948	EA	24" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	11,039.42	607.39
40 05 19 00-3949	EA	24" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	11,284.31	636.05
40 05 19 00-3950	EA	24" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	11,785.96	738.90
40 05 19 00-3951	EA	24" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	12,130.80	769.66
40 05 19 00-3952	EA	24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	12,323.99	798.76
40 05 19 00-3953	EA	24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	12,878.95	935.74
40 05 19 00-3954	EA	24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	16,491.54	990.54
40 05 19 00-3955	EA	24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	17,305.15	1,102.45
40 05 19 00-3956	EA	24" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	18,890.81	1,230.79
40 05 19 00-3957	EA	30" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	19,769.96	875.05
40 05 19 00-3958	EA	30" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	19,866.38	904.13
40 05 19 00-3959	EA	30" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	20,445.14	1,041.11
40 05 19 00-3960	EA	30" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	20,637.63	1,095.91
40 05 19 00-3961	EA	30" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	21,489.62	1,272.95
40 05 19 00-3962	EA	30" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	27,708.61	1,336.18
40 05 19 00-3963	EA	30" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	31,029.51	1,736.60
40 05 19 00-3964	EA	36" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	27,670.58	1,113.19
40 05 19 00-3965	EA	36" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	27,708.26	1,138.06
40 05 19 00-3966	EA	36" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	28,201.11	1,249.77
40 05 19 00-3967	EA	36" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	28,382.44	1,300.34
40 05 19 00-3968	EA	36" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	29,085.04	1,447.87
40 05 19 00-3969	EA	36" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	30,023.11	1,504.77
40 05 19 00-3970	EA	36" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	40,047.08	1,831.44
40 05 19 00-3971	EA	36" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	43,714.74	2,002.15
40 05 19 00-3972	EA	42" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	41,166.88	1,167.57
40 05 19 00-3973	EA	42" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	41,308.61	1,222.36
40 05 19 00-3974	EA	42" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	42,119.36	1,399.40
40 05 19 00-3975	EA	42" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	43,119.35	1,462.62
40 05 19 00-3976	EA	42" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	55,531.46	1,863.05
40 05 19 00-3977	EA	42" x 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	75,537.00	2,071.70
40 05 19 00-3978	EA	48" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	56,059.69	1,536.39
40 05 19 00-3979	EA	48" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	57,059.68	1,599.61
40 05 19 00-3980	EA	48" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	59,293.97	2,000.04

40 05 19 00-3981 Flanged End x Flanged End, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducers

(40 05 19 00-2073)

40 05 19 00-3982	EA	6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	949.21	158.49
40 05 19 00-3983	EA	8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,260.56	170.29
40 05 19 00-3984	EA	8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,340.71	189.68
40 05 19 00-3985	EA	10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,678.99	197.26
40 05 19 00-3986	EA	10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,673.47	216.65
40 05 19 00-3987	EA	10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,878.54	228.45
40 05 19 00-3988	EA	12" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,140.11	211.59
40 05 19 00-3989	EA	12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,174.25	230.99
40 05 19 00-3990	EA	12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,326.97	242.79
40 05 19 00-3991	EA	12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,529.64	269.76
40 05 19 00-3992	EA	14" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,631.54	242.79
40 05 19 00-3993	EA	14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,835.02	254.59
40 05 19 00-3994	EA	14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,034.52	281.56

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3995	EA	14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	2,948.36	295.89
40 05 19 00-3996	EA	16" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	3,125.24	278.61
40 05 19 00-3997	EA	16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	2,981.31	290.42
40 05 19 00-3998	EA	16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	3,220.47	317.39
40 05 19 00-3999	EA	16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	3,603.23	331.31
40 05 19 00-4000	EA	16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	4,051.64	343.53
40 05 19 00-4001	EA	18" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	3,781.19	328.36
40 05 19 00-4002	EA	18" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	4,053.67	355.33
40 05 19 00-4003	EA	18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	4,016.04	369.24
40 05 19 00-4004	EA	18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	4,507.28	381.46
40 05 19 00-4005	EA	18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	4,464.81	417.29
40 05 19 00-4006	EA	20" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	4,606.64	387.36
40 05 19 00-4007	EA	20" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	4,894.98	414.34
40 05 19 00-4008	EA	20" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	4,779.65	428.25
40 05 19 00-4009	EA	20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	5,383.52	440.48
40 05 19 00-4010	EA	20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	5,068.18	476.30
40 05 19 00-4011	EA	20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	6,044.14	514.24
40 05 19 00-4012	EA	24" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	6,665.69	452.28
40 05 19 00-4013	EA	24" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	7,202.32	466.18
40 05 19 00-4014	EA	24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	7,354.09	478.41
40 05 19 00-4015	EA	24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	6,583.48	514.24
40 05 19 00-4016	EA	24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	7,726.02	552.17
40 05 19 00-4017	EA	24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	8,113.34	546.07
40 05 19 00-4018	EA	30" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	11,021.45	619.62
40 05 19 00-4019	EA	30" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	11,400.95	657.55
40 05 19 00-4020	EA	30" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	12,129.66	716.56
40 05 19 00-4021	EA	30" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	13,249.96	754.49
40 05 19 00-4022	EA	36" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	15,600.13	676.51
40 05 19 00-4023	EA	36" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	15,825.77	714.45
40 05 19 00-4024	EA	36" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	16,806.68	773.46
40 05 19 00-4025	EA	36" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	17,684.29	811.40
40 05 19 00-4026	EA	36" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	20,083.83	916.77
40 05 19 00-4027	EA	42" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	24,493.45	880.95
40 05 19 00-4028	EA	42" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	27,380.00	986.33
40 05 19 00-4029	EA	42" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	30,702.30	1,043.22
40 05 19 00-4030	EA	48" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	32,432.73	1,017.93
40 05 19 00-4031	EA	48" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	34,359.56	1,123.31
40 05 19 00-4032	EA	48" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	38,137.14	1,180.22
40 05 19 00-4033	EA	48" x 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	42,446.26	1,249.77
40 05 19 00-4034 Flanged End x Flanged End, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducers (40 05 19 00-2073)				
40 05 19 00-4035	EA	6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,014.25	158.49
40 05 19 00-4036	EA	8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,335.12	170.29
40 05 19 00-4037	EA	8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,454.92	189.68
40 05 19 00-4038	EA	10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,678.99	197.26
40 05 19 00-4039	EA	10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,752.79	216.65
40 05 19 00-4040	EA	10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,954.68	228.45
40 05 19 00-4041	EA	12" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	2,140.11	211.59
40 05 19 00-4042	EA	12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	2,263.08	230.99
40 05 19 00-4043	EA	12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	2,418.97	242.79
40 05 19 00-4044	EA	12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	2,689.86	269.76
40 05 19 00-4045	EA	14" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	2,631.54	242.79
40 05 19 00-4046	EA	14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	2,787.43	254.59
40 05 19 00-4047	EA	14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	3,012.31	281.56
40 05 19 00-4048	EA	14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	3,357.63	295.89
40 05 19 00-4049	EA	16" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	3,125.24	278.61
40 05 19 00-4050	EA	16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	3,325.55	290.42
40 05 19 00-4051	EA	16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	3,599.61	317.39
40 05 19 00-4052	EA	16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	3,896.69	331.31
40 05 19 00-4053	EA	16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	4,051.64	343.53
40 05 19 00-4054	EA	18" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	3,781.19	328.36
40 05 19 00-4055	EA	18" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	4,053.67	355.33
40 05 19 00-4056	EA	18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	4,349.17	369.24
40 05 19 00-4057	EA	18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	4,507.28	381.46
40 05 19 00-4058	EA	18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	4,837.59	417.29
40 05 19 00-4059	EA	20" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	4,854.11	387.36
40 05 19 00-4060	EA	20" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	5,069.48	414.34
40 05 19 00-4061	EA	20" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	5,265.06	428.25
40 05 19 00-4062	EA	20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	5,383.52	440.48
40 05 19 00-4063	EA	20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	5,783.61	476.30
40 05 19 00-4064	EA	20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	6,039.38	514.24
40 05 19 00-4065	EA	24" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	6,843.73	425.30
40 05 19 00-4066	EA	24" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	6,779.90	452.28
40 05 19 00-4067	EA	24" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	6,900.92	466.18
40 05 19 00-4068	EA	24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	7,017.79	478.41
40 05 19 00-4069	EA	24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	7,419.48	514.24
40 05 19 00-4070	EA	24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	7,726.02	552.17
40 05 19 00-4071	EA	24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	8,113.34	546.07
40 05 19 00-4072	EA	30" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	13,595.71	583.78
40 05 19 00-4073	EA	30" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	12,674.40	619.62
40 05 19 00-4074	EA	30" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	11,453.30	657.55
40 05 19 00-4075	EA	30" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	12,129.66	716.56
40 05 19 00-4076	EA	30" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	13,249.96	754.49

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-4077	EA	36" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	14,673.72	676.51
40 05 19 00-4078	EA	36" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	15,280.07	714.45
40 05 19 00-4079	EA	36" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	16,167.39	773.46
40 05 19 00-4080	EA	36" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	17,628.77	811.40
40 05 19 00-4081	EA	36" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	20,364.61	916.77
40 05 19 00-4082	EA	42" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	24,493.45	880.95
40 05 19 00-4083	EA	42" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	27,380.00	986.33
40 05 19 00-4084	EA	42" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	30,702.30	1,043.22
40 05 19 00-4085	EA	48" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	34,359.56	1,123.31
40 05 19 00-4086	EA	48" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	38,137.14	1,180.22
40 05 19 00-4087	EA	48" x 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	42,446.26	1,249.77

40 05 19 00-4088 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flanges (40 05 19 00-2073)

40 05 19 00-4089	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....	468.51	54.80
40 05 19 00-4090	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....	712.73	80.93
40 05 19 00-4091	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....	951.46	96.10
40 05 19 00-4092	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....	1,383.41	112.12
40 05 19 00-4093	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....	1,833.17	131.51
40 05 19 00-4094	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....	2,525.28	147.53
40 05 19 00-4095	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....	3,050.56	168.60
40 05 19 00-4096	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....	4,106.11	236.05
40 05 19 00-4097	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....	5,512.17	295.05
40 05 19 00-4098	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....	8,079.45	358.28
40 05 19 00-4099	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....	11,709.53	417.29
40 05 19 00-4100	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....	21,952.82	459.44
40 05 19 00-4101	EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....	31,474.35	505.81
40 05 19 00-4102	EA	48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....	41,957.38	569.03

40 05 19 00-4103 Ductile Iron Bolt Packs (40 05 19)

Note: Labor installation is included with pipe fittings or valves.

40 05 19 00-4104	EA	4" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	44.25	
		Note: Includes eight (8) 5/8" diameter plain finish bolts with washers and nut.		
		For Zinc Plated, Add	12.39	
		For Hot Dip Galvanized, Add	17.70	
40 05 19 00-4105	EA	6" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	68.27	
		Note: Includes eight (8) 3/4" diameter plain finish bolts with washers and nut.		
		For Zinc Plated, Add	19.12	
		For Hot Dip Galvanized, Add	27.31	
40 05 19 00-4106	EA	8" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	74.13	
		Note: Includes eight (8) 3/4" diameter plain finish bolts with washers and nut.		
		For Zinc Plated, Add	20.76	
		For Hot Dip Galvanized, Add	29.65	
40 05 19 00-4107	EA	10" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	166.52	
		Note: Includes twelve (12) 7/8" diameter plain finish bolts with washers and nut.		
		For Zinc Plated, Add	46.63	
		For Hot Dip Galvanized, Add	66.61	
40 05 19 00-4108	EA	12" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	167.98	
		Note: Includes twelve (12) 7/8" diameter plain finish bolts with washers and nut.		
		For Zinc Plated, Add	47.03	
		For Hot Dip Galvanized, Add	67.19	
40 05 19 00-4109	EA	14" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	188.20	
		Note: Includes twelve (12) 1" diameter plain finish bolts with washers and nut.		
		For Zinc Plated, Add	52.70	
		For Hot Dip Galvanized, Add	75.28	
40 05 19 00-4110	EA	16" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	316.39	
		Note: Includes sixteen (16) 1" diameter plain finish bolts with washers and nut.		
		For Zinc Plated, Add	88.59	
		For Hot Dip Galvanized, Add	126.56	
40 05 19 00-4111	EA	18" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	459.63	
		Note: Includes sixteen (16) 1-1/8" diameter plain finish bolts with washers and nut.		
		For Zinc Plated, Add	128.70	
		For Hot Dip Galvanized, Add	183.85	
40 05 19 00-4112	EA	20" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	580.34	
		Note: Includes twenty (20) 1-1/8" diameter plain finish bolts with washers and nut.		
		For Zinc Plated, Add	162.50	
		For Hot Dip Galvanized, Add	232.14	
40 05 19 00-4113	EA	24" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	830.36	
		Note: Includes twenty (20) 1-1/4" diameter plain finish bolts with washers and nut.		
		For Zinc Plated, Add	232.50	
		For Hot Dip Galvanized, Add	332.14	
40 05 19 00-4114	EA	30" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	1,312.09	
		Note: Includes twenty-eight (28) 1-1/4" diameter plain finish bolts with washers and nut.		
		For Zinc Plated, Add	367.39	
		For Hot Dip Galvanized, Add	524.84	
40 05 19 00-4115	EA	36" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	1,871.73	
		Note: Includes thirty-two (32) 1-1/2" diameter plain finish bolts with washers and nut.		
		For Zinc Plated, Add	524.08	
		For Hot Dip Galvanized, Add	748.69	
40 05 19 00-4116	EA	42" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	2,407.93	
		Note: Includes thirty-six (36) 1-1/2" diameter plain finish bolts with washers and nut.		
		For Zinc Plated, Add	674.22	
		For Hot Dip Galvanized, Add	963.17	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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40 05 19 00-4117	EA		48" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	2,943.02	
			Note: Includes forty-four (44) 1-1/2" diameter plain finish bolts with washers and nut.		
			For Zinc Plated, Add	824.05	
			For Hot Dip Galvanized, Add	1,177.21	

40 05 19 00-4118 Full Face Flange Gaskets, ANSI/AWWA C115/A21.15 (40 05 19)
 Note: Labor installation is included with pipe fittings or valves.

40 05 19 00-4119			Full Face Flange Styrene Butadiene (SBR) Gaskets (40 05 19 00-4118)		
40 05 19 00-4120	EA		4" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	7.86	
40 05 19 00-4121	EA		6" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	10.01	
40 05 19 00-4122	EA		8" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	13.58	
40 05 19 00-4123	EA		10" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	15.72	
40 05 19 00-4124	EA		12" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	17.15	
40 05 19 00-4125	EA		14" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	28.59	
40 05 19 00-4126	EA		16" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	35.02	
40 05 19 00-4127	EA		18" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	37.17	
40 05 19 00-4128	EA		20" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	57.18	
40 05 19 00-4129	EA		24" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	61.47	
40 05 19 00-4130	EA		30" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	79.34	
40 05 19 00-4131	EA		36" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	90.77	
40 05 19 00-4132	EA		42" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	97.21	
40 05 19 00-4133	EA		48" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	106.50	

40 05 19 00-4134 Full Face Flange Nitrile Buna-N (NBR) Gaskets (40 05 19 00-4118)
 Note: (Acrylonitrile Butadiene)

40 05 19 00-4135	EA		4" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	24.30	
40 05 19 00-4136	EA		6" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	34.31	
40 05 19 00-4137	EA		8" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	52.89	
40 05 19 00-4138	EA		10" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	57.89	
40 05 19 00-4139	EA		12" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	62.18	
40 05 19 00-4140	EA		14" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	117.22	
40 05 19 00-4141	EA		16" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	144.38	
40 05 19 00-4142	EA		18" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	145.09	
40 05 19 00-4143	EA		20" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	150.81	
40 05 19 00-4144	EA		24" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	159.39	
40 05 19 00-4145	EA		30" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	176.54	
40 05 19 00-4146	EA		36" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	194.41	
40 05 19 00-4147	EA		42" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	276.61	
40 05 19 00-4148	EA		48" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	302.34	

40 05 19 00-4149 Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gaskets (40 05 19 00-4118)

40 05 19 00-4150	EA		4" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	21.44	
40 05 19 00-4151	EA		6" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	27.88	
40 05 19 00-4152	EA		8" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	37.88	
40 05 19 00-4153	EA		10" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	44.31	
40 05 19 00-4154	EA		12" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	49.32	
40 05 19 00-4155	EA		14" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	81.48	
40 05 19 00-4156	EA		16" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	97.92	
40 05 19 00-4157	EA		18" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	98.64	
40 05 19 00-4158	EA		20" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	100.78	
40 05 19 00-4159	EA		24" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	117.22	
40 05 19 00-4160	EA		30" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	143.66	
40 05 19 00-4161	EA		36" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	163.68	
40 05 19 00-4162	EA		42" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	234.44	
40 05 19 00-4163	EA		48" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	258.74	

40 05 19 00-4164 Full Face Flange Neoprene Gaskets (40 05 19 00-4118)
 Note: (Polychloroprene)

40 05 19 00-4165	EA		4" Full Face Flange Neoprene Gasket, 1/8" Thick.....	25.02	
40 05 19 00-4166	EA		6" Full Face Flange Neoprene Gasket, 1/8" Thick.....	35.02	
40 05 19 00-4167	EA		8" Full Face Flange Neoprene Gasket, 1/8" Thick.....	53.61	
40 05 19 00-4168	EA		10" Full Face Flange Neoprene Gasket, 1/8" Thick.....	57.89	
40 05 19 00-4169	EA		12" Full Face Flange Neoprene Gasket, 1/8" Thick.....	62.18	
40 05 19 00-4170	EA		14" Full Face Flange Neoprene Gasket, 1/8" Thick.....	82.91	
40 05 19 00-4171	EA		16" Full Face Flange Neoprene Gasket, 1/8" Thick.....	145.81	
40 05 19 00-4172	EA		18" Full Face Flange Neoprene Gasket, 1/8" Thick.....	146.52	
40 05 19 00-4173	EA		20" Full Face Flange Neoprene Gasket, 1/8" Thick.....	155.10	
40 05 19 00-4174	EA		24" Full Face Flange Neoprene Gasket, 1/8" Thick.....	157.24	
40 05 19 00-4175	EA		30" Full Face Flange Neoprene Gasket, 1/8" Thick.....	170.83	
40 05 19 00-4176	EA		36" Full Face Flange Neoprene Gasket, 1/8" Thick.....	192.27	
40 05 19 00-4177	EA		42" Full Face Flange Neoprene Gasket, 1/8" Thick.....	278.75	
40 05 19 00-4178	EA		48" Full Face Flange Neoprene Gasket, 1/8" Thick.....	305.20	

40 05 19 00-4179 Full Face Flange FKM Gaskets (40 05 19 00-4118)
 Note: (Fluoroelastomer Fluorel Viton®)

40 05 19 00-4180	EA		4" Full Face Flange FKM Gasket, 1/8" Thick.....	131.67	
40 05 19 00-4181	EA		6" Full Face Flange FKM Gasket, 1/8" Thick.....	196.04	
40 05 19 00-4182	EA		8" Full Face Flange FKM Gasket, 1/8" Thick.....	261.87	
40 05 19 00-4183	EA		10" Full Face Flange FKM Gasket, 1/8" Thick.....	316.00	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-4184	EA	12" Full Face Flange FKM Gasket, 1/8" Thick	411.09	
40 05 19 00-4185	EA	14" Full Face Flange FKM Gasket, 1/8" Thick	751.96	
40 05 19 00-4186	EA	16" Full Face Flange FKM Gasket, 1/8" Thick	861.68	
40 05 19 00-4187	EA	18" Full Face Flange FKM Gasket, 1/8" Thick	902.64	
40 05 19 00-4188	EA	20" Full Face Flange FKM Gasket, 1/8" Thick	962.62	
40 05 19 00-4189	EA	24" Full Face Flange FKM Gasket, 1/8" Thick	1,331.28	
40 05 19 00-4190	EA	30" Full Face Flange FKM Gasket, 1/8" Thick	1,596.08	
40 05 19 00-4191	EA	36" Full Face Flange FKM Gasket, 1/8" Thick	1,683.86	
40 05 19 00-4192	EA	42" Full Face Flange FKM Gasket, 1/8" Thick	2,099.33	
40 05 19 00-4193	EA	48" Full Face Flange FKM Gasket, 1/8" Thick	2,200.28	

40 05 19 00-4194 Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100) (40 05 19)

40 05 19 00-4195	EA	4" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	412.46	75.60
40 05 19 00-4196	EA	6" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	573.22	92.28
40 05 19 00-4197	EA	8" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	850.46	112.56
40 05 19 00-4198	EA	10" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	1,169.44	137.30
40 05 19 00-4199	EA	12" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	1,485.21	167.43
40 05 19 00-4200	EA	14" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	2,391.41	204.28
40 05 19 00-4201	EA	16" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	3,766.72	249.30
40 05 19 00-4202	EA	18" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	3,885.44	304.06
40 05 19 00-4203	EA	20" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	4,760.44	371.04
40 05 19 00-4204	EA	24" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	5,300.86	452.57
40 05 19 00-4205	EA	30" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	6,834.26	552.25
40 05 19 00-4206	EA	36" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	10,172.02	673.65
40 05 19 00-4207	EA	42" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	26,594.18	821.92
40 05 19 00-4208	EA	48" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	33,973.12	1,002.69

40 05 23 Stainless Steel Process Pipe and Tubing (40 05)**40 05 23 23 300- and 400-Series Stainless Steel Process Pipe (40 05 23)****40 05 23 23-0001 Schedule 40 Pipe, Type 304, With 150 Lb. Screwed Fittings Assembly (40 05 23)**

Note: Includes hangers and fittings. Fittings are assumed every 10'. Not for use where detail is available.				
40 05 23 23-0002	LF	1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 Lb. Screwed Fitting Assembly	40.72	10.18
Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.				
For Type 316, Add			5.27	
For Work In Restricted Working Space, Add			6.14	
40 05 23 23-0003	LF	3/4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 Lb. Screwed Fitting Assembly	45.55	11.68
Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.				
For Type 316, Add			5.52	
For Work In Restricted Working Space, Add			7.30	
40 05 23 23-0004	LF	1" Stainless Steel Pipe, Schedule 40 Type 304 With 150 Lb. Screwed Fitting Assembly	53.09	13.17
Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.				
For Type 316, Add			6.47	
For Work In Restricted Working Space, Add			8.47	
40 05 23 23-0005	LF	1-1/4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 Lb. Screwed Fitting Assembly	61.78	15.91
Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.				
For Type 316, Add			8.16	
For Work In Restricted Working Space, Add			9.12	
40 05 23 23-0006	LF	1-1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 Lb. Screwed Fitting Assembly	68.53	16.36
Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.				
For Type 316, Add			9.35	
For Work In Restricted Working Space, Add			9.77	
40 05 23 23-0007	LF	2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 Lb. Screwed Fitting Assembly	83.10	21.63
Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.				
For Type 316, Add			11.40	
For Work In Restricted Working Space, Add			11.78	
40 05 23 23-0008	LF	2-1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 Lb. Screwed Fitting Assembly	124.02	26.66
Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.				
For Type 316, Add			19.61	
For Work In Restricted Working Space, Add			14.58	
40 05 23 23-0009	LF	3" Stainless Steel Pipe, Schedule 40 Type 304 With 150 Lb. Screwed Fitting Assembly	157.67	30.89
Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.				
For Type 316, Add			25.53	
For Work In Restricted Working Space, Add			17.84	
40 05 23 23-0010	LF	4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 Lb. Screwed Fitting Assembly	216.87	30.89
Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.				
For Work In Restricted Working Space, Add			22.64	

40 05 23 23-0011 Stainless Steel Tubing And Fittings (40 05 23 23)**40 05 23 23-0012 Type 304 Tubing (40 05 23 23-0011)****40 05 23 23-0013 0.035" Wall (40 05 23 23-0012)**

40 05 23 23-0014	LF	1/4", 0.035" Wall, Type 304, Stainless Steel Tubing	9.28	3.35
For Work In Restricted Working Space, Add			2.00	
40 05 23 23-0015	LF	3/8", 0.035" Wall, Type 304, Stainless Steel Tubing	10.73	3.98
For Work In Restricted Working Space, Add			2.40	
40 05 23 23-0016	LF	1/2", 0.035" Wall, Type 304, Stainless Steel Tubing	12.84	4.72
For Work In Restricted Working Space, Add			2.80	
40 05 23 23-0017	LF	5/8", 0.035" Wall, Type 304, Stainless Steel Tubing	21.34	5.35
For Work In Restricted Working Space, Add			3.20	
40 05 23 23-0018	LF	3/4", 0.035" Wall, Type 304, Stainless Steel Tubing	25.36	5.97
For Work In Restricted Working Space, Add			3.60	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0019	LF	7/8", 0.035" Wall, Type 304, Stainless Steel Tubing	.....	28.06	6.72
		For Work In Restricted Working Space, Add	.....	4.01	
40 05 23 23-0020	LF	1", 0.035" Wall, Type 304, Stainless Steel Tubing	.....	31.26	8.08
		For Work In Restricted Working Space, Add	.....	4.81	
40 05 23 23-0021 0.049" Wall (40 05 23 23-0012)					
40 05 23 23-0022	LF	1/4", 0.049" Wall, Type 304, Stainless Steel Tubing	.....	15.74	3.98
		For Work In Restricted Working Space, Add	.....	2.40	
40 05 23 23-0023	LF	3/8", 0.049" Wall, Type 304, Stainless Steel Tubing	.....	17.50	4.72
		For Work In Restricted Working Space, Add	.....	2.80	
40 05 23 23-0024	LF	1/2", 0.049" Wall, Type 304, Stainless Steel Tubing	.....	21.11	5.35
		For Work In Restricted Working Space, Add	.....	3.20	
40 05 23 23-0025	LF	5/8", 0.049" Wall, Type 304, Stainless Steel Tubing	.....	26.72	6.72
		For Work In Restricted Working Space, Add	.....	4.01	
40 05 23 23-0026	LF	3/4", 0.049" Wall, Type 304, Stainless Steel Tubing	.....	30.50	8.08
		For Work In Restricted Working Space, Add	.....	4.81	
40 05 23 23-0027	LF	7/8", 0.049" Wall, Type 304, Stainless Steel Tubing	.....	34.21	9.32
		For Work In Restricted Working Space, Add	.....	5.61	
40 05 23 23-0028	LF	1", 0.049" Wall, Type 304, Stainless Steel Tubing	.....	39.50	10.56
		For Work In Restricted Working Space, Add	.....	6.38	
40 05 23 23-0029 0.065" Wall (40 05 23 23-0012)					
40 05 23 23-0030	LF	1/4", 0.065" Wall, Type 304, Stainless Steel Tubing	.....	18.38	4.72
		For Work In Restricted Working Space, Add	.....	2.80	
40 05 23 23-0031	LF	3/8", 0.065" Wall, Type 304, Stainless Steel Tubing	.....	21.17	5.35
		For Work In Restricted Working Space, Add	.....	3.20	
40 05 23 23-0032	LF	1/2", 0.065" Wall, Type 304, Stainless Steel Tubing	.....	26.08	6.72
		For Work In Restricted Working Space, Add	.....	4.01	
40 05 23 23-0033	LF	5/8", 0.065" Wall, Type 304, Stainless Steel Tubing	.....	30.62	8.08
		For Work In Restricted Working Space, Add	.....	4.81	
40 05 23 23-0034	LF	3/4", 0.065" Wall, Type 304, Stainless Steel Tubing	.....	36.13	9.32
		For Work In Restricted Working Space, Add	.....	5.61	
40 05 23 23-0035	LF	7/8", 0.065" Wall, Type 304, Stainless Steel Tubing	.....	41.54	10.56
		For Work In Restricted Working Space, Add	.....	6.38	
40 05 23 23-0036	LF	1", 0.065" Wall, Type 304, Stainless Steel Tubing	.....	46.81	11.93
		For Work In Restricted Working Space, Add	.....	7.17	
40 05 23 23-0037 Type 304 Tube Fittings (40 05 23 23-0011)					
40 05 23 23-0038 90 Degree Elbows (40 05 23 23-0037)					
40 05 23 23-0039	EA	1/4", Type 304, Stainless Steel, 90 Degree Elbow	.....	59.70	13.42
		For Work In Restricted Working Space, Add	.....	8.02	
40 05 23 23-0040	EA	3/8", Type 304, Stainless Steel, 90 Degree Elbow	.....	70.82	14.67
		For Work In Restricted Working Space, Add	.....	8.78	
40 05 23 23-0041	EA	1/2", Type 304, Stainless Steel, 90 Degree Elbow	.....	107.70	16.53
		For Work In Restricted Working Space, Add	.....	9.95	
40 05 23 23-0042	EA	5/8", Type 304, Stainless Steel, 90 Degree Elbow	.....	114.88	18.52
		For Work In Restricted Working Space, Add	.....	11.13	
40 05 23 23-0043	EA	3/4", Type 304, Stainless Steel, 90 Degree Elbow	.....	128.62	20.02
		For Work In Restricted Working Space, Add	.....	12.03	
40 05 23 23-0044	EA	7/8", Type 304, Stainless Steel, 90 Degree Elbow	.....	176.65	22.25
		For Work In Restricted Working Space, Add	.....	13.32	
40 05 23 23-0045	EA	1", Type 304, Stainless Steel, 90 Degree Elbow	.....	225.29	26.48
		For Work In Restricted Working Space, Add	.....	15.87	
40 05 23 23-0046 Union Tees (40 05 23 23-0037)					
40 05 23 23-0047	EA	1/4", Type 304, Stainless Steel, Union Tee	.....	94.93	20.02
		For Work In Restricted Working Space, Add	.....	12.03	
40 05 23 23-0048	EA	3/8", Type 304, Stainless Steel, Union Tee	.....	115.54	22.25
		For Work In Restricted Working Space, Add	.....	13.32	
40 05 23 23-0049	EA	1/2", Type 304, Stainless Steel, Union Tee	.....	158.86	24.86
		For Work In Restricted Working Space, Add	.....	14.92	
40 05 23 23-0050	EA	5/8", Type 304, Stainless Steel, Union Tee	.....	170.65	28.22
		For Work In Restricted Working Space, Add	.....	16.95	
40 05 23 23-0051	EA	3/4", Type 304, Stainless Steel, Union Tee	.....	219.05	30.33
		For Work In Restricted Working Space, Add	.....	18.19	
40 05 23 23-0052	EA	7/8", Type 304, Stainless Steel, Union Tee	.....	350.68	33.57
		For Work In Restricted Working Space, Add	.....	20.16	
40 05 23 23-0053	EA	1", Type 304, Stainless Steel, Union Tee	.....	420.31	40.15
		For Work In Restricted Working Space, Add	.....	24.06	
40 05 23 23-0054 Unions (40 05 23 23-0037)					
40 05 23 23-0055	EA	1/4", Type 304, Stainless Steel, Union	.....	90.57	20.02
		For Work In Restricted Working Space, Add	.....	12.03	
40 05 23 23-0056	EA	3/8", Type 304, Stainless Steel, Union	.....	118.00	22.25
		For Work In Restricted Working Space, Add	.....	13.32	
40 05 23 23-0057	EA	1/2", Type 304, Stainless Steel, Union	.....	160.47	24.86
		For Work In Restricted Working Space, Add	.....	14.92	
40 05 23 23-0058	EA	5/8", Type 304, Stainless Steel, Union	.....	195.98	28.22
		For Work In Restricted Working Space, Add	.....	16.95	
40 05 23 23-0059	EA	3/4", Type 304, Stainless Steel, Union	.....	234.47	30.33
		For Work In Restricted Working Space, Add	.....	18.19	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
40 05 23 23-0060	EA 7/8", Type 304, Stainless Steel, Union..... <i>For Work In Restricted Working Space, Add</i>	362.98 20.16		33.57	
40 05 23 23-0061	EA 1", Type 304, Stainless Steel, Union..... <i>For Work In Restricted Working Space, Add</i>	385.45 24.06		40.15	
40 05 23 23-0062 Male Connectors (40 05 23 23-0037)					
40 05 23 23-0063	EA 1/4" x 1/4", Type 304, Stainless Steel, Male Connection <i>For Work In Restricted Working Space, Add</i>	44.08 8.02		13.42	
40 05 23 23-0064	EA 3/8" x 3/8", Type 304, Stainless Steel, Male Connection <i>For Work In Restricted Working Space, Add</i>	55.46 8.78		14.67	
40 05 23 23-0065	EA 1/2" x 1/2", Type 304, Stainless Steel, Male Connection <i>For Work In Restricted Working Space, Add</i>	72.38 9.95		16.53	
40 05 23 23-0066	EA 5/8" x 5/8" Male Connection, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	81.58 11.13		18.52	
40 05 23 23-0067	EA 3/4" x 3/4", Type 304, Stainless Steel, Male Connection <i>For Work In Restricted Working Space, Add</i>	99.03 12.03		20.02	
40 05 23 23-0068	EA 7/8" x 7/8", Type 304, Stainless Steel, Male Connection <i>For Work In Restricted Working Space, Add</i>	150.69 13.32		22.25	
40 05 23 23-0069	EA 1" x 1", Type 304, Stainless Steel, Male Connection <i>For Work In Restricted Working Space, Add</i>	157.20 15.87		26.48	
40 05 23 23-0070 Type 304 Valves (40 05 23 23-0011)					
40 05 23 23-0071 Gate Valves (40 05 23 23-0070)					
40 05 23 23-0072	EA 1/4" Gate Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	233.55 10.86		20.02	
40 05 23 23-0073	EA 3/8" Gate Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	393.97 11.43		23.50	
40 05 23 23-0074	EA 1/2" Gate Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	408.77 15.87		26.48	
40 05 23 23-0075	EA 3/4" Gate Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	453.10 18.19		30.33	
40 05 23 23-0076	EA 1" Gate Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	415.48 24.06		40.15	
40 05 23 23-0077 Globe Valves (40 05 23 23-0070)					
40 05 23 23-0078	EA 1/4" Globe Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	236.78 10.86		20.02	
40 05 23 23-0079	EA 3/8" Globe Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	156.16 11.43		23.50	
40 05 23 23-0080	EA 1/2" Globe Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	280.86 15.87		26.48	
40 05 23 23-0081	EA 3/4" Globe Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	312.62 18.19		30.33	
40 05 23 23-0082	EA 1" Globe Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	456.19 24.06		40.15	
40 05 23 23-0083 Check Valves (40 05 23 23-0070)					
40 05 23 23-0084	EA 1/4" Check Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	331.81 10.86		20.02	
40 05 23 23-0085	EA 3/8" Check Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	333.72 11.43		23.50	
40 05 23 23-0086	EA 1/2" Check Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	218.14 15.87		26.48	
40 05 23 23-0087	EA 3/4" Check Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	228.28 18.19		30.33	
40 05 23 23-0088	EA 1" Check Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	252.63 24.06		40.15	
40 05 23 23-0089 Plug Valves (40 05 23 23-0070)					
40 05 23 23-0090	EA 1/2" Plug Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	513.29 15.87		26.48	
40 05 23 23-0091	EA 3/4" Plug Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	561.95 18.19		30.33	
40 05 23 23-0092	EA 1" Plug Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	636.07 24.06		40.15	
40 05 23 23-0093	EA 1-1/2" Plug Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	883.80 27.22		45.38	
40 05 23 23-0094	EA 2" Plug Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	1,150.78 37.29		62.15	
40 05 23 23-0095 Type 316 Tubing (40 05 23 23-0011)					
40 05 23 23-0096 0.035" Wall (40 05 23 23-0095)					
40 05 23 23-0097	LF 1/4" Stainless Steel Tubing, Type 316, 0.035" Wall <i>For Work In Restricted Working Space, Add</i>	9.68 2.00		3.35	
40 05 23 23-0098	LF 3/8" Stainless Steel Tubing, Type 316, 0.035" Wall <i>For Work In Restricted Working Space, Add</i>	12.68 2.40		3.98	
40 05 23 23-0099	LF 1/2" Stainless Steel Tubing, Type 316, 0.035" Wall <i>For Work In Restricted Working Space, Add</i>	14.03 2.80		4.72	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0100	LF	5/8" Stainless Steel Tubing, Type 316, 0.035" Wall..... <i>For Work In Restricted Working Space, Add</i>	24.49 3.20	5.35
40 05 23 23-0101	LF	3/4" Stainless Steel Tubing, Type 316, 0.035" Wall..... <i>For Work In Restricted Working Space, Add</i>	27.81 3.60	5.97
40 05 23 23-0102	LF	7/8" Stainless Steel Tubing, Type 316, 0.035" Wall..... <i>For Work In Restricted Working Space, Add</i>	35.58 4.01	6.72
40 05 23 23-0103	LF	1" Stainless Steel Tubing, Type 316, 0.035" Wall..... <i>For Work In Restricted Working Space, Add</i>	37.08 4.81	8.08
40 05 23 23-0104 0.049" Wall (40 05 23 23-0095)				
40 05 23 23-0105	LF	1/4" Stainless Steel Tubing, Type 316, 0.049" Wall..... <i>For Work In Restricted Working Space, Add</i>	17.43 2.40	3.98
40 05 23 23-0106	LF	3/8" Stainless Steel Tubing, Type 316, 0.049" Wall..... <i>For Work In Restricted Working Space, Add</i>	19.27 2.80	4.72
40 05 23 23-0107	LF	1/2" Stainless Steel Tubing, Type 316, 0.049" Wall..... <i>For Work In Restricted Working Space, Add</i>	22.76 3.20	5.35
40 05 23 23-0108	LF	5/8" Stainless Steel Tubing, Type 316, 0.049" Wall..... <i>For Work In Restricted Working Space, Add</i>	29.78 4.01	6.72
40 05 23 23-0109	LF	3/4" Stainless Steel Tubing, Type 316, 0.049" Wall..... <i>For Work In Restricted Working Space, Add</i>	34.31 4.81	8.08
40 05 23 23-0110	LF	7/8" Stainless Steel Tubing, Type 316, 0.049" Wall..... <i>For Work In Restricted Working Space, Add</i>	44.00 5.61	9.32
40 05 23 23-0111	LF	1" Stainless Steel Tubing, Type 316, 0.049" Wall..... <i>For Work In Restricted Working Space, Add</i>	44.64 6.38	10.56
40 05 23 23-0112 0.065" Wall (40 05 23 23-0095)				
40 05 23 23-0113	LF	1/4" Stainless Steel Tubing, Type 316, 0.065" Wall..... <i>For Work In Restricted Working Space, Add</i>	20.39 2.80	4.72
40 05 23 23-0114	LF	3/8" Stainless Steel Tubing, Type 316, 0.065" Wall..... <i>For Work In Restricted Working Space, Add</i>	22.70 3.20	5.35
40 05 23 23-0115	LF	1/2" Stainless Steel Tubing, Type 316, 0.065" Wall..... <i>For Work In Restricted Working Space, Add</i>	28.49 4.01	6.72
40 05 23 23-0116	LF	5/8" Stainless Steel Tubing, Type 316, 0.065" Wall..... <i>For Work In Restricted Working Space, Add</i>	33.94 4.81	8.08
40 05 23 23-0117	LF	3/4" Stainless Steel Tubing, Type 316, 0.065" Wall..... <i>For Work In Restricted Working Space, Add</i>	41.22 5.61	9.32
40 05 23 23-0118	LF	7/8" Stainless Steel Tubing, Type 316, 0.065" Wall..... <i>For Work In Restricted Working Space, Add</i>	45.32 6.38	10.56
40 05 23 23-0119	LF	1" Stainless Steel Tubing, Type 316, 0.065" Wall..... <i>For Work In Restricted Working Space, Add</i>	52.90 7.17	11.93
40 05 23 23-0120 Type 316 Tube Fittings (40 05 23 23-0011)				
40 05 23 23-0121 90 Degree Elbows (40 05 23 23-0120)				
40 05 23 23-0122	EA	1/4" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	83.51 8.02	13.42
40 05 23 23-0123	EA	3/8" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	100.84 8.78	14.67
40 05 23 23-0124	EA	1/2" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	161.51 9.95	16.53
40 05 23 23-0125	EA	5/8" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	171.03 11.13	18.52
40 05 23 23-0126	EA	3/4" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	192.53 12.03	20.02
40 05 23 23-0127	EA	7/8" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	272.12 13.32	22.25
40 05 23 23-0128	EA	1" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	349.74 15.87	26.48
40 05 23 23-0129 Union Tees (40 05 23 23-0120)				
40 05 23 23-0130	EA	1/4" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	134.52 12.03	20.02
40 05 23 23-0131	EA	3/8" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	166.90 13.32	22.25
40 05 23 23-0132	EA	1/2" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	237.65 14.92	24.86
40 05 23 23-0133	EA	5/8" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	253.06 16.95	28.22
40 05 23 23-0134	EA	3/4" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	333.41 18.19	30.33
40 05 23 23-0135	EA	7/8" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	555.34 20.16	33.57
40 05 23 23-0136	EA	1" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	665.86 24.06	40.15
40 05 23 23-0137 Unions (40 05 23 23-0120)				
40 05 23 23-0138	EA	1/4" Union, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	84.53 12.03	20.02
40 05 23 23-0139	EA	3/8" Union, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	109.20 13.32	22.25
40 05 23 23-0140	EA	1/2" Union, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	147.24 14.92	24.86

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 23 23-0141	EA	5/8" Union, Stainless Steel Type 316.....	179.31	28.22
		<i>For Work In Restricted Working Space, Add</i>	16.95	
40 05 23 23-0142	EA	3/4" Union, Stainless Steel Type 316.....	213.69	30.33
		<i>For Work In Restricted Working Space, Add</i>	18.19	
40 05 23 23-0143	EA	7/8" Union, Stainless Steel Type 316.....	327.62	33.57
		<i>For Work In Restricted Working Space, Add</i>	20.16	
40 05 23 23-0144	EA	1" Union, Stainless Steel Type 316.....	348.96	40.15
		<i>For Work In Restricted Working Space, Add</i>	24.06	

40 05 23 23-0145 Male Connectors (40 05 23 23-0120)

40 05 23 23-0146	EA	1/4" x 1/4" Male Connector, Stainless Steel Type 316.....	56.35	13.42
		<i>For Work In Restricted Working Space, Add</i>	8.02	
40 05 23 23-0147	EA	3/8" x 3/8" Male Connector, Stainless Steel Type 316.....	73.99	14.67
		<i>For Work In Restricted Working Space, Add</i>	8.78	
40 05 23 23-0148	EA	1/2" x 1/2" Male Connector, Stainless Steel Type 316.....	100.11	16.53
		<i>For Work In Restricted Working Space, Add</i>	9.95	
40 05 23 23-0149	EA	5/8" x 5/8" Male Connector, Stainless Steel Type 316.....	113.02	18.52
		<i>For Work In Restricted Working Space, Add</i>	11.13	
40 05 23 23-0150	EA	3/4" x 3/4" Male Connector, Stainless Steel Type 316.....	140.69	20.02
		<i>For Work In Restricted Working Space, Add</i>	12.03	
40 05 23 23-0151	EA	7/8" x 7/8" Male Connector, Stainless Steel Type 316.....	225.84	22.25
		<i>For Work In Restricted Working Space, Add</i>	13.32	
40 05 23 23-0152	EA	1" x 1" Male Connector, Stainless Steel Type 316.....	230.94	26.48
		<i>For Work In Restricted Working Space, Add</i>	15.87	

40 05 23 23-0153 Type 316 Valves (40 05 23 23-0011)**40 05 23 23-0154 Gate Valves** (40 05 23 23-0153)

40 05 23 23-0155	EA	1/4" Gate Valve, Stainless Steel Type 316.....	297.27	20.02
		<i>For Work In Restricted Working Space, Add</i>	10.86	
40 05 23 23-0156	EA	3/8" Gate Valve, Stainless Steel Type 316.....	508.87	23.50
		<i>For Work In Restricted Working Space, Add</i>	11.43	
40 05 23 23-0157	EA	1/2" Gate Valve, Stainless Steel Type 316.....	523.67	26.48
		<i>For Work In Restricted Working Space, Add</i>	15.87	
40 05 23 23-0158	EA	3/4" Gate Valve, Stainless Steel Type 316.....	579.82	30.33
		<i>For Work In Restricted Working Space, Add</i>	18.19	
40 05 23 23-0159	EA	1" Gate Valve, Stainless Steel Type 316.....	523.73	40.15
		<i>For Work In Restricted Working Space, Add</i>	24.06	
40 05 23 23-0160	EA	1-1/4" Gate Valve, Stainless Steel Type 316.....	720.73	41.64
		<i>For Work In Restricted Working Space, Add</i>	24.99	
40 05 23 23-0161	EA	1-1/2" Gate Valve, Stainless Steel Type 316.....	1,159.95	45.38
		<i>For Work In Restricted Working Space, Add</i>	27.22	
40 05 23 23-0162	EA	2" Gate Valve, Stainless Steel Type 316.....	1,378.86	62.15
		<i>For Work In Restricted Working Space, Add</i>	37.29	
40 05 23 23-0163	EA	2-1/2" Gate Valve, Stainless Steel Type 316.....	2,037.38	199.02
		<i>For Work In Restricted Working Space, Add</i>	119.37	

40 05 23 23-0164 Globe Valves (40 05 23 23-0153)

40 05 23 23-0165	EA	1/4" Globe Valve, Stainless Steel Type 316.....	301.55	20.02
		<i>For Work In Restricted Working Space, Add</i>	10.86	
40 05 23 23-0166	EA	3/8" Globe Valve, Stainless Steel Type 316.....	194.29	23.50
		<i>For Work In Restricted Working Space, Add</i>	11.43	
40 05 23 23-0167	EA	1/2" Globe Valve, Stainless Steel Type 316.....	354.47	26.48
		<i>For Work In Restricted Working Space, Add</i>	15.87	
40 05 23 23-0168	EA	3/4" Globe Valve, Stainless Steel Type 316.....	393.98	30.33
		<i>For Work In Restricted Working Space, Add</i>	18.19	
40 05 23 23-0169	EA	1" Globe Valve, Stainless Steel Type 316.....	577.58	40.15
		<i>For Work In Restricted Working Space, Add</i>	24.06	
40 05 23 23-0170	EA	1-1/4" Globe Valve, Stainless Steel Type 316.....	722.17	41.40
		<i>For Work In Restricted Working Space, Add</i>	24.80	
40 05 23 23-0171	EA	1-1/2" Globe Valve, Stainless Steel Type 316.....	1,202.72	45.38
		<i>For Work In Restricted Working Space, Add</i>	27.22	
40 05 23 23-0172	EA	2" Globe Valve, Stainless Steel Type 316.....	1,421.63	62.15
		<i>For Work In Restricted Working Space, Add</i>	37.29	
40 05 23 23-0173	EA	2-1/2" Globe Valve, Stainless Steel Type 316.....	1,766.51	199.02
		<i>For Work In Restricted Working Space, Add</i>	119.37	

40 05 23 23-0174 Check Valves (40 05 23 23-0153)

40 05 23 23-0175	EA	1/4" Check Valve, Stainless Steel Type 316.....	427.25	20.02
		<i>For Work In Restricted Working Space, Add</i>	10.86	
40 05 23 23-0176	EA	3/8" Check Valve, Stainless Steel Type 316.....	429.16	23.50
		<i>For Work In Restricted Working Space, Add</i>	11.43	
40 05 23 23-0177	EA	1/2" Check Valve, Stainless Steel Type 316.....	271.50	26.48
		<i>For Work In Restricted Working Space, Add</i>	15.87	
40 05 23 23-0178	EA	3/4" Check Valve, Stainless Steel Type 316.....	282.40	30.33
		<i>For Work In Restricted Working Space, Add</i>	18.19	
40 05 23 23-0179	EA	1" Check Valve, Stainless Steel Type 316.....	308.30	40.15
		<i>For Work In Restricted Working Space, Add</i>	24.06	
40 05 23 23-0180	EA	1-1/4" Check Valve, Stainless Steel Type 316.....	428.01	41.64
		<i>For Work In Restricted Working Space, Add</i>	24.99	
40 05 23 23-0181	EA	1-1/2" Check Valve, Stainless Steel Type 316.....	960.36	45.38
		<i>For Work In Restricted Working Space, Add</i>	27.22	
40 05 23 23-0182	EA	2" Check Valve, Stainless Steel Type 316.....	1,165.02	62.15
		<i>For Work In Restricted Working Space, Add</i>	37.29	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0183	EA	2-1/2" Check Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	2,298.74 119.37	199.02
40 05 23 23-0184 Diaphragm Valves, Ethylene Propylene Diene Monomer (EPDM) Lined (40 05 23 23-0153)				
40 05 23 23-0185	EA	1/2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined..... <i>For Work In Restricted Working Space, Add</i>	458.18 15.87	26.48
40 05 23 23-0186	EA	3/4" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined..... <i>For Work In Restricted Working Space, Add</i>	535.31 18.19	30.33
40 05 23 23-0187	EA	1" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined..... <i>For Work In Restricted Working Space, Add</i>	682.56 24.06	40.15
40 05 23 23-0188	EA	1-1/2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined <i>For Work In Restricted Working Space, Add</i>	1,090.04 27.22	45.38
40 05 23 23-0189	EA	2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined..... <i>For Work In Restricted Working Space, Add</i>	1,523.35 37.29	62.15
40 05 23 23-0190 Diaphragm Valves, Teflon Lined (40 05 23 23-0153)				
40 05 23 23-0191	EA	1/2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined..... <i>For Work In Restricted Working Space, Add</i>	608.07 15.87	26.48
40 05 23 23-0192	EA	3/4" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined..... <i>For Work In Restricted Working Space, Add</i>	699.09 18.19	30.33
40 05 23 23-0193	EA	1" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined..... <i>For Work In Restricted Working Space, Add</i>	846.34 24.06	40.15
40 05 23 23-0194	EA	1-1/2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined..... <i>For Work In Restricted Working Space, Add</i>	1,320.43 27.22	45.38
40 05 23 23-0195	EA	2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined..... <i>For Work In Restricted Working Space, Add</i>	1,798.15 37.29	62.15
40 05 23 23-0196 Strainers (40 05 23 23-0153)				
40 05 23 23-0197	EA	1/2" Strainer, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	609.52 15.87	26.48
40 05 23 23-0198	EA	3/4" Strainer, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	729.60 18.27	30.46
40 05 23 23-0199	EA	1" Strainer, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	954.55 24.24	40.40
40 05 23 23-0200	EA	1-1/4" Strainer, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,186.45 24.99	41.64
40 05 23 23-0201	EA	1-1/2" Strainer, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,490.14 27.23	45.38
40 05 23 23-0202	EA	2" Strainer, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	2,149.43 37.30	62.15
40 05 23 23-0203	EA	2-1/2" Strainer, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	2,954.29 49.60	82.67
40 05 23 23-0204	EA	3" Strainer, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	4,301.72 74.59	124.31
40 05 23 23-0205	EA	4" Strainer, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	5,500.76 119.33	198.89
40 05 23 23-0206 Plug Valves (40 05 23 23-0153)				
40 05 23 23-0207	EA	1/2" Plug Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	649.75 15.87	26.48
40 05 23 23-0208	EA	3/4" Plug Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	710.54 18.19	30.33
40 05 23 23-0209	EA	1" Plug Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	800.84 24.06	40.15
40 05 23 23-0210	EA	1-1/2" Plug Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,118.88 27.22	45.38
40 05 23 23-0211	EA	2" Plug Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,455.04 37.29	62.15
40 05 23 23-0212 Cut And Prepare Existing Pipe In-Place (40 05 23 23-0011)				
Note: For use when connecting pipe to an existing in-place system.				
40 05 23 23-0213	EA	Cut And Prepare 1/2" Stainless Steel Pipe.....	24.85	
40 05 23 23-0214	EA	Cut And Prepare 3/4" Stainless Steel Pipe.....	26.84	
40 05 23 23-0215	EA	Cut And Prepare 1" Stainless Steel Pipe.....	30.19	
40 05 23 23-0216	EA	Cut And Prepare 1-1/4" Stainless Steel Pipe.....	31.68	
40 05 23 23-0217	EA	Cut And Prepare 1-1/2" Stainless Steel Pipe.....	33.54	
40 05 23 23-0218	EA	Cut And Prepare 2" Stainless Steel Pipe.....	36.03	
40 05 23 23-0219	EA	Cut And Prepare 2-1/2" Stainless Steel Pipe.....	38.53	
40 05 23 23-0220	EA	Cut And Prepare 3" Stainless Steel Pipe.....	42.25	
40 05 23 23-0221	EA	Cut And Prepare 4" Stainless Steel Pipe.....	45.97	
40 05 23 23-0222	EA	Cut And Prepare 6" Stainless Steel Pipe.....	49.70	
40 05 23 23-0223	EA	Cut And Prepare 8" Stainless Steel Pipe.....	53.43	
40 05 23 23-0224	EA	Cut And Prepare 10" Stainless Steel Pipe.....	58.40	
40 05 23 23-0225	EA	Cut And Prepare 12" Stainless Steel Pipe.....	63.37	
40 05 23 23-0226	EA	Cut And Prepare 14" Stainless Steel Pipe.....	68.35	
40 05 23 23-0227	EA	Cut And Prepare 16" Stainless Steel Pipe.....	73.32	
40 05 23 23-0228	EA	Cut And Prepare 18" Stainless Steel Pipe.....	77.04	
40 05 23 23-0229	EA	Cut And Prepare 20" Stainless Steel Pipe.....	80.76	
40 05 23 23-0230	EA	Cut And Prepare 24" Stainless Steel Pipe.....	85.74	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 23 23-0231	Stainless Steel Pipe And Fittings (40 05 23 23)				
40 05 23 23-0232	Type 304, Schedule 40 Stainless Steel Pipe And 150 Lb. Threaded Fittings (40 05 23 23-0231)				
40 05 23 23-0233	Type 304, Schedule 40 Stainless Steel Threaded Pipe (40 05 23 23-0232)				
40 05 23 23-0234	LF	1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 Lb. Threaded Fitting.....	20.64	5.35	
		For Work In Restricted Working Space, Add	3.20		
40 05 23 23-0235	LF	3/4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 Lb. Threaded Fitting.....	25.35	6.72	
		For Work In Restricted Working Space, Add	4.01		
40 05 23 23-0236	LF	1" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 Lb. Threaded Fitting.....	31.26	8.08	
		For Work In Restricted Working Space, Add	4.81		
40 05 23 23-0237	LF	1-1/4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 Lb. Threaded Fitting.....	37.72	9.32	
		For Work In Restricted Working Space, Add	5.61		
40 05 23 23-0238	LF	1-1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 Lb. Threaded Fitting.....	43.74	10.56	
		For Work In Restricted Working Space, Add	6.38		
40 05 23 23-0239	LF	2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 Lb. Threaded Fitting.....	55.99	13.42	
		For Work In Restricted Working Space, Add	8.02		
40 05 23 23-0240	LF	2-1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 Lb. Threaded Fitting.....	77.05	15.91	
		For Work In Restricted Working Space, Add	9.56		
40 05 23 23-0241	LF	3" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 Lb. Threaded Fitting.....	96.84	20.02	
		For Work In Restricted Working Space, Add	12.03		
40 05 23 23-0242	LF	4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 Lb. Threaded Fitting.....	131.44	26.48	
		For Work In Restricted Working Space, Add	15.87		
40 05 23 23-0243	150#, Type 304 Stainless Steel Threaded 90 Degree Elbows (40 05 23 23-0232)				
40 05 23 23-0244	EA	1/2", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	43.43	20.02	
		For Work In Restricted Working Space, Add	12.03		
40 05 23 23-0245	EA	3/4", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	57.66	26.48	
		For Work In Restricted Working Space, Add	15.87		
40 05 23 23-0246	EA	1", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	74.13	33.57	
		For Work In Restricted Working Space, Add	20.16		
40 05 23 23-0247	EA	1-1/4", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	103.93	45.99	
		For Work In Restricted Working Space, Add	27.62		
40 05 23 23-0248	EA	1-1/2", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	123.87	54.07	
		For Work In Restricted Working Space, Add	32.43		
40 05 23 23-0249	EA	2", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	150.88	65.39	
		For Work In Restricted Working Space, Add	39.26		
40 05 23 23-0250	EA	2-1/2", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	252.80	103.55	
		For Work In Restricted Working Space, Add	62.15		
40 05 23 23-0251	EA	3", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	325.44	133.63	
		For Work In Restricted Working Space, Add	80.20		
40 05 23 23-0252	EA	4", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	444.90	165.71	
		For Work In Restricted Working Space, Add	99.45		
40 05 23 23-0253	150#, Type 304 Stainless Steel Threaded 45 Degree Elbows (40 05 23 23-0232)				
40 05 23 23-0254	EA	1/2", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	44.20	20.02	
		For Work In Restricted Working Space, Add	12.03		
40 05 23 23-0255	EA	3/4", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	58.90	26.48	
		For Work In Restricted Working Space, Add	15.87		
40 05 23 23-0256	EA	1", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	74.52	33.57	
		For Work In Restricted Working Space, Add	20.16		
40 05 23 23-0257	EA	1-1/4", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	103.78	45.99	
		For Work In Restricted Working Space, Add	27.62		
40 05 23 23-0258	EA	1-1/2", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	122.04	54.07	
		For Work In Restricted Working Space, Add	32.43		
40 05 23 23-0259	EA	2", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	150.46	65.39	
		For Work In Restricted Working Space, Add	39.26		
40 05 23 23-0260	EA	2-1/2", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	261.11	103.55	
		For Work In Restricted Working Space, Add	62.15		
40 05 23 23-0261	EA	3", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	341.65	133.63	
		For Work In Restricted Working Space, Add	80.20		
40 05 23 23-0262	EA	4", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	463.78	165.71	
		For Work In Restricted Working Space, Add	99.45		
40 05 23 23-0263	150#, Type 304 Stainless Steel Threaded Tees (40 05 23 23-0232)				
40 05 23 23-0264	EA	1/2", 150#, Type 304 Stainless Steel Threaded Tee.....	65.17	30.33	
		For Work In Restricted Working Space, Add	18.19		
40 05 23 23-0265	EA	3/4", 150#, Type 304 Stainless Steel Threaded Tee.....	87.38	40.15	
		For Work In Restricted Working Space, Add	24.06		
40 05 23 23-0266	EA	1", 150#, Type 304 Stainless Steel Threaded Tee.....	108.59	49.73	
		For Work In Restricted Working Space, Add	29.84		
40 05 23 23-0267	EA	1-1/4", 150#, Type 304 Stainless Steel Threaded Tee	156.30	69.12	
		For Work In Restricted Working Space, Add	41.44		
40 05 23 23-0268	EA	1-1/2", 150#, Type 304 Stainless Steel Threaded Tee	177.99	77.69	
		For Work In Restricted Working Space, Add	46.62		
40 05 23 23-0269	EA	2", 150#, Type 304 Stainless Steel Threaded Tee.....	236.20	103.55	
		For Work In Restricted Working Space, Add	62.15		
40 05 23 23-0270	EA	2-1/2", 150#, Type 304 Stainless Steel Threaded Tee	361.78	149.79	
		For Work In Restricted Working Space, Add	89.86		
40 05 23 23-0271	EA	3", 150#, Type 304 Stainless Steel Threaded Tee.....	490.68	200.51	
		For Work In Restricted Working Space, Add	120.30		
40 05 23 23-0272	EA	4", 150#, Type 304 Stainless Steel Threaded Tee.....	659.22	248.62	
		For Work In Restricted Working Space, Add	149.17		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0273 150#, Type 304 Stainless Steel Threaded Reducers (40 05 23 23-0232)				
40 05 23 23-0274	EA	3/4", 150#, Type 304 Stainless Steel Threaded Reducer	57.09	26.48
		For Work In Restricted Working Space, Add	15.87	
40 05 23 23-0275	EA	1", 150#, Type 304 Stainless Steel Threaded Reducer	72.91	33.57
		For Work In Restricted Working Space, Add	20.16	
40 05 23 23-0276	EA	1-1/4", 150#, Type 304 Stainless Steel Threaded Reducer	100.45	45.99
		For Work In Restricted Working Space, Add	27.62	
40 05 23 23-0277	EA	1-1/2", 150#, Type 304 Stainless Steel Threaded Reducer	120.14	54.07
		For Work In Restricted Working Space, Add	32.43	
40 05 23 23-0278	EA	2", 150#, Type 304 Stainless Steel Threaded Reducer	150.97	65.39
		For Work In Restricted Working Space, Add	39.26	
40 05 23 23-0279	EA	2-1/2", 150#, Type 304 Stainless Steel Threaded Reducer	250.34	103.55
		For Work In Restricted Working Space, Add	62.15	
40 05 23 23-0280	EA	3", 150#, Type 304 Stainless Steel Threaded Reducer	328.80	133.63
		For Work In Restricted Working Space, Add	80.20	
40 05 23 23-0281	EA	4", 150#, Type 304 Stainless Steel Threaded Reducer	433.30	165.71
		For Work In Restricted Working Space, Add	99.45	
40 05 23 23-0282 150#, Type 304 Stainless Steel Threaded Caps (40 05 23 23-0232)				
40 05 23 23-0283	EA	1/2", 150#, Type 304 Stainless Steel Threaded Cap	22.27	10.07
		For Work In Restricted Working Space, Add	6.02	
40 05 23 23-0284	EA	3/4", 150#, Type 304 Stainless Steel Threaded Cap	29.51	13.42
		For Work In Restricted Working Space, Add	8.02	
40 05 23 23-0285	EA	1", 150#, Type 304 Stainless Steel Threaded Cap	37.31	16.53
		For Work In Restricted Working Space, Add	9.95	
40 05 23 23-0286	EA	1-1/4", 150#, Type 304 Stainless Steel Threaded Cap	54.45	23.50
		For Work In Restricted Working Space, Add	14.07	
40 05 23 23-0287	EA	1-1/2", 150#, Type 304 Stainless Steel Threaded Cap	62.79	26.48
		For Work In Restricted Working Space, Add	15.87	
40 05 23 23-0288	EA	2", 150#, Type 304 Stainless Steel Threaded Cap	79.79	33.57
		For Work In Restricted Working Space, Add	20.16	
40 05 23 23-0289	EA	2-1/2", 150#, Type 304 Stainless Steel Threaded Cap	122.20	49.73
		For Work In Restricted Working Space, Add	29.84	
40 05 23 23-0290	EA	3", 150#, Type 304 Stainless Steel Threaded Cap	162.29	65.39
		For Work In Restricted Working Space, Add	39.26	
40 05 23 23-0291	EA	4", 150#, Type 304 Stainless Steel Threaded Cap	218.95	82.91
		For Work In Restricted Working Space, Add	49.73	
40 05 23 23-0292 150#, Type 304 Stainless Steel Threaded Unions (40 05 23 23-0232)				
40 05 23 23-0293	EA	1/2", 150#, Type 304 Stainless Steel Threaded Union	69.99	30.33
		For Work In Restricted Working Space, Add	18.19	
40 05 23 23-0294	EA	3/4", 150#, Type 304 Stainless Steel Threaded Union	92.05	40.15
		For Work In Restricted Working Space, Add	24.06	
40 05 23 23-0295	EA	1", 150#, Type 304 Stainless Steel Threaded Union	117.35	49.73
		For Work In Restricted Working Space, Add	29.84	
40 05 23 23-0296	EA	1-1/4", 150#, Type 304 Stainless Steel Threaded Union	169.17	69.12
		For Work In Restricted Working Space, Add	41.44	
40 05 23 23-0297	EA	1-1/2", 150#, Type 304 Stainless Steel Threaded Union	190.48	77.69
		For Work In Restricted Working Space, Add	46.62	
40 05 23 23-0298	EA	2", 150#, Type 304 Stainless Steel Threaded Union	249.21	103.55
		For Work In Restricted Working Space, Add	62.15	
40 05 23 23-0299	EA	2-1/2", 150#, Type 304 Stainless Steel Threaded Union	424.61	155.39
		For Work In Restricted Working Space, Add	93.23	
40 05 23 23-0300	EA	3", 150#, Type 304 Stainless Steel Threaded Union	544.37	200.51
		For Work In Restricted Working Space, Add	120.31	
40 05 23 23-0301	EA	4", 150#, Type 304 Stainless Steel Threaded Union	564.22	165.77
		For Work In Restricted Working Space, Add	99.46	
40 05 23 23-0302 150#, Type 304 Stainless Steel Threaded Couplings (40 05 23 23-0232)				
40 05 23 23-0303	EA	1/2", 150#, Type 304 Stainless Steel Threaded Coupling	43.11	20.02
		For Work In Restricted Working Space, Add	12.03	
40 05 23 23-0304	EA	3/4", 150#, Type 304 Stainless Steel Threaded Coupling	57.24	26.48
		For Work In Restricted Working Space, Add	15.87	
40 05 23 23-0305	EA	1", 150#, Type 304 Stainless Steel Threaded Coupling	73.79	33.57
		For Work In Restricted Working Space, Add	20.16	
40 05 23 23-0306	EA	1-1/4", 150#, Type 304 Stainless Steel Threaded Coupling	102.57	45.99
		For Work In Restricted Working Space, Add	27.62	
40 05 23 23-0307	EA	1-1/2", 150#, Type 304 Stainless Steel Threaded Coupling	120.54	54.07
		For Work In Restricted Working Space, Add	32.43	
40 05 23 23-0308	EA	2", 150#, Type 304 Stainless Steel Threaded Coupling	148.41	65.39
		For Work In Restricted Working Space, Add	39.26	
40 05 23 23-0309	EA	2-1/2", 150#, Type 304 Stainless Steel Threaded Coupling	245.71	103.55
		For Work In Restricted Working Space, Add	62.15	
40 05 23 23-0310	EA	3", 150#, Type 304 Stainless Steel Threaded Coupling	317.14	133.63
		For Work In Restricted Working Space, Add	80.20	
40 05 23 23-0311	EA	4", 150#, Type 304 Stainless Steel Threaded Coupling	408.89	165.71
		For Work In Restricted Working Space, Add	99.45	
40 05 23 23-0312		Type 316, Schedule 40 Stainless Steel Pipe And 150 Lb. Threaded Fittings (40 05 23 23-0231)		
40 05 23 23-0313		Type 316, Schedule 40 Stainless Steel Threaded Pipe (40 05 23 23-0312)		

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 23 23-0314	LF	1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 Lb. Threaded Fitting.....	25.91	5.35
		<i>For Work In Restricted Working Space, Add</i>	3.20	
40 05 23 23-0315	LF	3/4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 Lb. Threaded Fitting.....	30.55	6.72
		<i>For Work In Restricted Working Space, Add</i>	4.01	
40 05 23 23-0316	LF	1" Pipe, Stainless Steel Schedule 40 Type 316 For 150 Lb. Threaded Fitting.....	38.73	8.08
		<i>For Work In Restricted Working Space, Add</i>	4.81	
40 05 23 23-0317	LF	1-1/4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 Lb. Threaded Fitting.....	47.49	9.32
		<i>For Work In Restricted Working Space, Add</i>	5.61	
40 05 23 23-0318	LF	1-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 Lb. Threaded Fitting.....	55.31	10.56
		<i>For Work In Restricted Working Space, Add</i>	6.38	
40 05 23 23-0319	LF	2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 Lb. Threaded Fitting.....	71.48	13.42
		<i>For Work In Restricted Working Space, Add</i>	8.02	
40 05 23 23-0320	LF	2-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 Lb. Threaded Fitting.....	98.69	15.91
		<i>For Work In Restricted Working Space, Add</i>	9.56	
40 05 23 23-0321	LF	3" Pipe, Stainless Steel Schedule 40 Type 316 For 150 Lb. Threaded Fitting.....	129.12	20.02
		<i>For Work In Restricted Working Space, Add</i>	12.03	
40 05 23 23-0322	LF	4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 Lb. Threaded Fitting.....	173.46	26.48
		<i>For Work In Restricted Working Space, Add</i>	15.87	

40 05 23 23-0323 150#, Type 316 Stainless Steel Threaded 90 Degree Elbows (40 05 23 23-0312)

40 05 23 23-0324	EA	1/2", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow	44.44	20.02
		<i>For Work In Restricted Working Space, Add</i>	12.03	
40 05 23 23-0325	EA	3/4", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow	59.16	26.48
		<i>For Work In Restricted Working Space, Add</i>	15.87	
40 05 23 23-0326	EA	1", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow	75.05	33.57
		<i>For Work In Restricted Working Space, Add</i>	20.16	
40 05 23 23-0327	EA	1-1/4", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow	105.58	45.99
		<i>For Work In Restricted Working Space, Add</i>	27.62	
40 05 23 23-0328	EA	1-1/2", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow	126.07	54.07
		<i>For Work In Restricted Working Space, Add</i>	32.43	
40 05 23 23-0329	EA	2", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow	153.60	65.39
		<i>For Work In Restricted Working Space, Add</i>	39.26	
40 05 23 23-0330	EA	2-1/2", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow	257.14	103.55
		<i>For Work In Restricted Working Space, Add</i>	62.15	
40 05 23 23-0331	EA	3", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow	336.06	133.63
		<i>For Work In Restricted Working Space, Add</i>	80.20	
40 05 23 23-0332	EA	4", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow	457.80	165.71
		<i>For Work In Restricted Working Space, Add</i>	99.45	

40 05 23 23-0333 150#, Type 316 Stainless Steel Threaded 45 Degree Elbows (40 05 23 23-0312)

40 05 23 23-0334	EA	1/2", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow	45.25	20.02
		<i>For Work In Restricted Working Space, Add</i>	12.03	
40 05 23 23-0335	EA	3/4", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow	59.67	26.48
		<i>For Work In Restricted Working Space, Add</i>	15.87	
40 05 23 23-0336	EA	1", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow	75.65	33.57
		<i>For Work In Restricted Working Space, Add</i>	20.16	
40 05 23 23-0337	EA	1-1/4", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow	105.41	45.99
		<i>For Work In Restricted Working Space, Add</i>	27.62	
40 05 23 23-0338	EA	1-1/2", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow	123.94	54.07
		<i>For Work In Restricted Working Space, Add</i>	32.43	
40 05 23 23-0339	EA	2", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow	153.00	65.39
		<i>For Work In Restricted Working Space, Add</i>	39.26	
40 05 23 23-0340	EA	2-1/2", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow	265.19	103.55
		<i>For Work In Restricted Working Space, Add</i>	62.15	
40 05 23 23-0341	EA	3", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow	351.05	133.63
		<i>For Work In Restricted Working Space, Add</i>	80.20	
40 05 23 23-0342	EA	4", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow	489.13	165.71
		<i>For Work In Restricted Working Space, Add</i>	99.45	

40 05 23 23-0343 150#, Type 316 Stainless Steel Threaded Tees (40 05 23 23-0312)

40 05 23 23-0344	EA	1/2", 150#, Type 316 Stainless Steel Threaded Tee.....	66.24	30.33
		<i>For Work In Restricted Working Space, Add</i>	18.19	
40 05 23 23-0345	EA	3/4", 150#, Type 316 Stainless Steel Threaded Tee.....	88.47	40.15
		<i>For Work In Restricted Working Space, Add</i>	24.06	
40 05 23 23-0346	EA	1", 150#, Type 316 Stainless Steel Threaded Tee.....	109.81	49.73
		<i>For Work In Restricted Working Space, Add</i>	29.84	
40 05 23 23-0347	EA	1-1/4", 150#, Type 316 Stainless Steel Threaded Tee	158.77	69.12
		<i>For Work In Restricted Working Space, Add</i>	41.44	
40 05 23 23-0348	EA	1-1/2", 150#, Type 316 Stainless Steel Threaded Tee	180.44	77.69
		<i>For Work In Restricted Working Space, Add</i>	46.62	
40 05 23 23-0349	EA	2", 150#, Type 316 Stainless Steel Threaded Tee.....	239.43	103.55
		<i>For Work In Restricted Working Space, Add</i>	62.15	
40 05 23 23-0350	EA	2-1/2", 150#, Type 316 Stainless Steel Threaded Tee	374.95	149.79
		<i>For Work In Restricted Working Space, Add</i>	89.86	
40 05 23 23-0351	EA	3", 150#, Type 316 Stainless Steel Threaded Tee.....	508.64	200.51
		<i>For Work In Restricted Working Space, Add</i>	120.30	
40 05 23 23-0352	EA	4", 150#, Type 316 Stainless Steel Threaded Tee.....	672.61	248.62
		<i>For Work In Restricted Working Space, Add</i>	149.17	

40 05 23 23-0353 150#, Type 316 Stainless Steel Threaded Reducers (40 05 23 23-0312)

40 05 23 23-0354	EA	3/4", 150#, Type 316 Stainless Steel Threaded Reducer	58.00	26.48
		<i>For Work In Restricted Working Space, Add</i>	15.87	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0355	EA	1", 150#, Type 316 Stainless Steel Threaded Reducer	75.63	33.57
		<i>For Work In Restricted Working Space, Add</i>	20.16	
40 05 23 23-0356	EA	1-1/4", 150#, Type 316 Stainless Steel Threaded Reducer	100.96	45.99
		<i>For Work In Restricted Working Space, Add</i>	27.62	
40 05 23 23-0357	EA	1-1/2", 150#, Type 316 Stainless Steel Threaded Reducer	122.81	54.07
		<i>For Work In Restricted Working Space, Add</i>	32.43	
40 05 23 23-0358	EA	2", 150#, Type 316 Stainless Steel Threaded Reducer	155.65	65.39
		<i>For Work In Restricted Working Space, Add</i>	39.26	
40 05 23 23-0359	EA	2-1/2", 150#, Type 316 Stainless Steel Threaded Reducer	260.98	103.55
		<i>For Work In Restricted Working Space, Add</i>	62.15	
40 05 23 23-0360	EA	3", 150#, Type 316 Stainless Steel Threaded Reducer	340.54	133.63
		<i>For Work In Restricted Working Space, Add</i>	80.20	
40 05 23 23-0361	EA	4", 150#, Type 316 Stainless Steel Threaded Reducer	452.89	165.71
		<i>For Work In Restricted Working Space, Add</i>	99.45	
40 05 23 23-0362 150#, Type 316 Stainless Steel Threaded Caps (40 05 23 23-0312)				
40 05 23 23-0363	EA	1/2", 150#, Type 316 Stainless Steel Threaded Cap	22.87	10.07
		<i>For Work In Restricted Working Space, Add</i>	6.02	
40 05 23 23-0364	EA	3/4", 150#, Type 316 Stainless Steel Threaded Cap	29.95	13.42
		<i>For Work In Restricted Working Space, Add</i>	8.02	
40 05 23 23-0365	EA	1", 150#, Type 316 Stainless Steel Threaded Cap	38.11	16.53
		<i>For Work In Restricted Working Space, Add</i>	9.95	
40 05 23 23-0366	EA	1-1/4", 150#, Type 316 Stainless Steel Threaded Cap	56.65	23.50
		<i>For Work In Restricted Working Space, Add</i>	14.07	
40 05 23 23-0367	EA	1-1/2", 150#, Type 316 Stainless Steel Threaded Cap	65.39	26.48
		<i>For Work In Restricted Working Space, Add</i>	15.87	
40 05 23 23-0368	EA	2", 150#, Type 316 Stainless Steel Threaded Cap	83.19	33.57
		<i>For Work In Restricted Working Space, Add</i>	20.16	
40 05 23 23-0369	EA	2-1/2", 150#, Type 316 Stainless Steel Threaded Cap	127.81	49.73
		<i>For Work In Restricted Working Space, Add</i>	29.84	
40 05 23 23-0370	EA	3", 150#, Type 316 Stainless Steel Threaded Cap	167.99	65.39
		<i>For Work In Restricted Working Space, Add</i>	39.26	
40 05 23 23-0371	EA	4", 150#, Type 316 Stainless Steel Threaded Cap	230.27	82.91
		<i>For Work In Restricted Working Space, Add</i>	49.73	
40 05 23 23-0372 150#, Type 316 Stainless Steel Threaded Unions (40 05 23 23-0312)				
40 05 23 23-0373	EA	1/2", 150#, Type 316 Stainless Steel Threaded Union	71.28	30.33
		<i>For Work In Restricted Working Space, Add</i>	18.19	
40 05 23 23-0374	EA	3/4", 150#, Type 316 Stainless Steel Threaded Union	96.90	40.15
		<i>For Work In Restricted Working Space, Add</i>	24.06	
40 05 23 23-0375	EA	1", 150#, Type 316 Stainless Steel Threaded Union	119.80	49.73
		<i>For Work In Restricted Working Space, Add</i>	29.84	
40 05 23 23-0376	EA	1-1/4", 150#, Type 316 Stainless Steel Threaded Union	173.34	69.12
		<i>For Work In Restricted Working Space, Add</i>	41.44	
40 05 23 23-0377	EA	1-1/2", 150#, Type 316 Stainless Steel Threaded Union	195.35	77.69
		<i>For Work In Restricted Working Space, Add</i>	46.62	
40 05 23 23-0378	EA	2", 150#, Type 316 Stainless Steel Threaded Union	254.85	103.55
		<i>For Work In Restricted Working Space, Add</i>	62.15	
40 05 23 23-0379	EA	2-1/2", 150#, Type 316 Stainless Steel Threaded Union	433.26	155.39
		<i>For Work In Restricted Working Space, Add</i>	93.23	
40 05 23 23-0380	EA	3", 150#, Type 316 Stainless Steel Threaded Union	571.33	200.51
		<i>For Work In Restricted Working Space, Add</i>	120.31	
40 05 23 23-0381	EA	4", 150#, Type 316 Stainless Steel Threaded Union	621.67	165.77
		<i>For Work In Restricted Working Space, Add</i>	99.46	
40 05 23 23-0382 150#, Type 316 Stainless Steel Threaded Couplings (40 05 23 23-0312)				
40 05 23 23-0383	EA	1/2", 150#, Type 316 Stainless Steel Threaded Coupling	45.14	20.02
		<i>For Work In Restricted Working Space, Add</i>	12.03	
40 05 23 23-0384	EA	3/4", 150#, Type 316 Stainless Steel Threaded Coupling	58.18	26.48
		<i>For Work In Restricted Working Space, Add</i>	15.87	
40 05 23 23-0385	EA	1", 150#, Type 316 Stainless Steel Threaded Coupling	74.69	33.57
		<i>For Work In Restricted Working Space, Add</i>	20.16	
40 05 23 23-0386	EA	1-1/4", 150#, Type 316 Stainless Steel Threaded Coupling	104.00	45.99
		<i>For Work In Restricted Working Space, Add</i>	27.62	
40 05 23 23-0387	EA	1-1/2", 150#, Type 316 Stainless Steel Threaded Coupling	122.25	54.07
		<i>For Work In Restricted Working Space, Add</i>	32.43	
40 05 23 23-0388	EA	2", 150#, Type 316 Stainless Steel Threaded Coupling	150.78	65.39
		<i>For Work In Restricted Working Space, Add</i>	39.26	
40 05 23 23-0389	EA	2-1/2", 150#, Type 316 Stainless Steel Threaded Coupling	254.00	103.55
		<i>For Work In Restricted Working Space, Add</i>	62.15	
40 05 23 23-0390	EA	3", 150#, Type 316 Stainless Steel Threaded Coupling	327.81	133.63
		<i>For Work In Restricted Working Space, Add</i>	80.20	
40 05 23 23-0391	EA	4", 150#, Type 316 Stainless Steel Threaded Coupling	424.91	165.71
		<i>For Work In Restricted Working Space, Add</i>	99.45	
40 05 23 23-0392 Type 304, Schedule 10 Stainless Steel Pipe And Butt Weld Fittings (40 05 23 23-0231)				
40 05 23 23-0393 Type 304, Schedule 10 Stainless Steel Pipe (40 05 23 23-0392)				
40 05 23 23-0394	LF	1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	23.36	5.22
		<i>For Work In Restricted Working Space, Add</i>	3.14	
40 05 23 23-0395	LF	3/4" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	27.71	6.39
		<i>For Work In Restricted Working Space, Add</i>	3.83	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 23 23-0396	LF	1" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	37.23	7.55
		<i>For Work In Restricted Working Space, Add</i>	4.50	
40 05 23 23-0397	LF	1-1/4" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	45.34	9.40
		<i>For Work In Restricted Working Space, Add</i>	5.62	
40 05 23 23-0398	LF	1-1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	50.36	10.57
		<i>For Work In Restricted Working Space, Add</i>	6.34	
40 05 23 23-0399	LF	2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	62.27	13.12
		<i>For Work In Restricted Working Space, Add</i>	7.85	
40 05 23 23-0400	LF	2-1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	74.82	14.98
		<i>For Work In Restricted Working Space, Add</i>	8.97	
40 05 23 23-0401	LF	3" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	88.72	16.85
		<i>For Work In Restricted Working Space, Add</i>	10.10	
40 05 23 23-0402	LF	4" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	112.07	19.98
		<i>For Work In Restricted Working Space, Add</i>	11.95	
40 05 23 23-0403	LF	6" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	165.07	26.25
		<i>For Work In Restricted Working Space, Add</i>	15.70	
40 05 23 23-0404	LF	8" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	270.39	45.63
		<i>For Work In Restricted Working Space, Add</i>	29.33	
40 05 23 23-0405	LF	10" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	350.63	50.18
		<i>For Work In Restricted Working Space, Add</i>	32.26	
40 05 23 23-0406	LF	12" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	422.48	55.79
		<i>For Work In Restricted Working Space, Add</i>	35.84	
40 05 23 23-0407	LF	14" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	523.61	62.72
		<i>For Work In Restricted Working Space, Add</i>	40.32	
40 05 23 23-0408	LF	16" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	574.83	71.69
		<i>For Work In Restricted Working Space, Add</i>	46.08	
40 05 23 23-0409	LF	18" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	641.86	83.62
		<i>For Work In Restricted Working Space, Add</i>	53.76	
40 05 23 23-0410	LF	20" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	901.44	100.36
		<i>For Work In Restricted Working Space, Add</i>	64.52	
40 05 23 23-0411	LF	24" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	1,179.15	125.44
		<i>For Work In Restricted Working Space, Add</i>	80.64	

40 05 23 23-0412 Type 304, Schedule 10 Stainless Steel Butt Weld 90 Degree Elbow (40 05 23 23-0392)

40 05 23 23-0413	EA	1/2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	137.60	59.59
		<i>For Work In Restricted Working Space, Add</i>	39.72	
40 05 23 23-0414	EA	3/4", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	145.74	63.25
		<i>For Work In Restricted Working Space, Add</i>	42.17	
40 05 23 23-0415	EA	1", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	160.58	69.51
		<i>For Work In Restricted Working Space, Add</i>	46.34	
40 05 23 23-0416	EA	1-1/4", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	175.24	75.76
		<i>For Work In Restricted Working Space, Add</i>	50.51	
40 05 23 23-0417	EA	1-1/2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	193.55	83.65
		<i>For Work In Restricted Working Space, Add</i>	55.77	
40 05 23 23-0418	EA	2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	216.31	93.08
		<i>For Work In Restricted Working Space, Add</i>	62.05	
40 05 23 23-0419	EA	2-1/2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	280.90	119.12
		<i>For Work In Restricted Working Space, Add</i>	79.41	
40 05 23 23-0420	EA	3", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	329.49	139.61
		<i>For Work In Restricted Working Space, Add</i>	93.08	
40 05 23 23-0421	EA	4", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	402.81	167.10
		<i>For Work In Restricted Working Space, Add</i>	111.41	
40 05 23 23-0422	EA	6", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	548.19	208.75
		<i>For Work In Restricted Working Space, Add</i>	139.17	
40 05 23 23-0423	EA	8", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	922.71	345.61
		<i>For Work In Restricted Working Space, Add</i>	230.40	
40 05 23 23-0424	EA	10", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	1,355.87	460.80
		<i>For Work In Restricted Working Space, Add</i>	307.21	
40 05 23 23-0425	EA	12", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	2,047.31	691.21
		<i>For Work In Restricted Working Space, Add</i>	460.81	
40 05 23 23-0426	EA	14", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	2,419.57	806.42
		<i>For Work In Restricted Working Space, Add</i>	537.61	
40 05 23 23-0427	EA	16", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	2,838.84	919.85
		<i>For Work In Restricted Working Space, Add</i>	613.24	
40 05 23 23-0428	EA	18", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	3,586.65	1,152.02
		<i>For Work In Restricted Working Space, Add</i>	768.01	
40 05 23 23-0429	EA	20", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	5,001.22	1,612.82
		<i>For Work In Restricted Working Space, Add</i>	1,075.22	
40 05 23 23-0430	EA	24", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	7,178.17	2,304.03
		<i>For Work In Restricted Working Space, Add</i>	1,536.02	

40 05 23 23-0431 Type 304, Schedule 10 Stainless Steel Butt Weld 45 Degree Elbow (40 05 23 23-0392)

40 05 23 23-0432	EA	1/2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	139.13	59.59
		<i>For Work In Restricted Working Space, Add</i>	39.72	
40 05 23 23-0433	EA	3/4", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	147.27	63.25
		<i>For Work In Restricted Working Space, Add</i>	42.17	
40 05 23 23-0434	EA	1", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	162.41	69.51
		<i>For Work In Restricted Working Space, Add</i>	46.34	
40 05 23 23-0435	EA	1-1/4", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	177.68	75.76
		<i>For Work In Restricted Working Space, Add</i>	50.51	
40 05 23 23-0436	EA	1-1/2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	193.85	83.65
		<i>For Work In Restricted Working Space, Add</i>	55.77	
40 05 23 23-0437	EA	2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	216.31	93.08
		<i>For Work In Restricted Working Space, Add</i>	62.05	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0438	EA	2-1/2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	279.37 79.41	119.12
40 05 23 23-0439	EA	3", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	326.74 93.08	139.61
40 05 23 23-0440	EA	4", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	397.62 111.41	167.10
40 05 23 23-0441	EA	6", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	521.01 139.17	208.75
40 05 23 23-0442	EA	8", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	870.27 230.40	345.61
40 05 23 23-0443	EA	10", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	1,262.52 307.21	460.80
40 05 23 23-0444	EA	12", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	1,899.52 460.81	691.21
40 05 23 23-0445	EA	14", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	2,238.17 537.61	806.42
40 05 23 23-0446	EA	16", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	2,614.96 613.24	919.85
40 05 23 23-0447	EA	18", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	3,292.65 768.01	1,152.02
40 05 23 23-0448	EA	20", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	4,604.51 1,075.22	1,612.82
40 05 23 23-0449	EA	24", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	6,615.42 1,536.02	2,304.03
40 05 23 23-0450 Type 304, Schedule 10 Stainless Steel Butt Weld Tee (40 05 23 23-0392)				
40 05 23 23-0451	EA	1/2", Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	185.10 50.49	75.73
40 05 23 23-0452	EA	3/4", Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	223.40 61.98	92.98
40 05 23 23-0453	EA	1", Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	248.93 69.64	104.47
40 05 23 23-0454	EA	1-1/4", Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	283.37 79.41	119.12
40 05 23 23-0455	EA	1-1/2", Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	300.95 85.25	127.87
40 05 23 23-0456	EA	2", Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	327.94 92.98	139.46
40 05 23 23-0457	EA	2-1/2", Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	422.20 111.41	167.10
40 05 23 23-0458	EA	3", Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	498.37 139.61	209.42
40 05 23 23-0459	EA	4", Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	571.78 156.69	235.04
40 05 23 23-0460	EA	6", Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	828.04 208.92	313.38
40 05 23 23-0461	EA	8", Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	1,334.43 307.21	460.80
40 05 23 23-0462	EA	10", Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	2,047.31 460.81	691.21
40 05 23 23-0463	EA	12", Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	2,630.22 576.01	864.01
40 05 23 23-0464	EA	14", Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	3,233.34 692.20	1,038.30
40 05 23 23-0465	EA	16", Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	3,917.46 844.41	1,266.61
40 05 23 23-0466	EA	18", Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	4,984.92 1,075.22	1,612.82
40 05 23 23-0467	EA	20", Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	6,663.13 1,414.76	2,122.14
40 05 23 23-0468	EA	24", Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	9,992.98 2,150.43	3,225.65
40 05 23 23-0469 Type 304, Schedule 10 Stainless Steel Butt Weld Reducing Tees (40 05 23 23-0392)				
40 05 23 23-0470	EA	3/4", Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	170.54 42.18	63.27
40 05 23 23-0471	EA	1", Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	202.23 51.69	77.53
40 05 23 23-0472	EA	1-1/4", Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	248.24 58.08	87.12
40 05 23 23-0473	EA	1-1/2", Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	258.28 66.21	99.31
40 05 23 23-0474	EA	2", Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	271.06 71.15	106.71
40 05 23 23-0475	EA	2-1/2", Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	350.39 77.54	116.30
40 05 23 23-0476	EA	3", Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	413.04 92.94	139.40
40 05 23 23-0477	EA	4", Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	509.37 116.16	174.24
40 05 23 23-0478	EA	6", Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	667.82 132.72	199.09
40 05 23 23-0479	EA	8", Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	1,236.40 192.00	288.00
40 05 23 23-0480	EA	10", Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	2,029.98 256.01	384.01

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 23 23-0481	EA 12", Type 304, Schedule 10 Stainless Steel Reducing Tee.....	2,902.96	576.01
	<i>For Work In Restricted Working Space, Add</i>	384.01	
40 05 23 23-0482	EA 14", Type 304, Schedule 10 Stainless Steel Reducing Tee.....	3,521.43	692.01
	<i>For Work In Restricted Working Space, Add</i>	461.33	
40 05 23 23-0483	EA 16", Type 304, Schedule 10 Stainless Steel Reducing Tee.....	4,360.11	844.12
	<i>For Work In Restricted Working Space, Add</i>	562.74	
40 05 23 23-0484	EA 18", Type 304, Schedule 10 Stainless Steel Reducing Tee.....	5,629.02	1,075.22
	<i>For Work In Restricted Working Space, Add</i>	716.81	
40 05 23 23-0485	EA 20", Type 304, Schedule 10 Stainless Steel Reducing Tee.....	7,995.35	1,414.76
	<i>For Work In Restricted Working Space, Add</i>	943.17	
40 05 23 23-0486	EA 24", Type 304, Schedule 10 Stainless Steel Reducing Tee.....	12,501.31	2,148.52
	<i>For Work In Restricted Working Space, Add</i>	1,432.35	

40 05 23 23-0487 Type 304, Schedule 10 Stainless Steel Butt Weld Reducers (40 05 23 23-0392)

40 05 23 23-0488	EA 3/4", Type 304, Schedule 10 Stainless Steel Concentric Reducer.....	138.25	57.55
	<i>For Work In Restricted Working Space, Add</i>	38.36	
40 05 23 23-0489	EA 1", Type 304, Schedule 10 Stainless Steel Concentric Reducer.....	152.17	62.70
	<i>For Work In Restricted Working Space, Add</i>	41.80	
40 05 23 23-0490	EA 1-1/4", Type 304, Schedule 10 Stainless Steel Concentric Reducer.....	168.69	69.51
	<i>For Work In Restricted Working Space, Add</i>	46.34	
40 05 23 23-0491	EA 1-1/2", Type 304, Schedule 10 Stainless Steel Concentric Reducer.....	179.65	75.76
	<i>For Work In Restricted Working Space, Add</i>	50.51	
40 05 23 23-0492	EA 2", Type 304, Schedule 10 Stainless Steel Concentric Reducer.....	195.99	83.65
	<i>For Work In Restricted Working Space, Add</i>	55.77	
40 05 23 23-0493	EA 2-1/2", Type 304, Schedule 10 Stainless Steel Concentric Reducer.....	262.25	104.55
	<i>For Work In Restricted Working Space, Add</i>	69.70	
40 05 23 23-0494	EA 3", Type 304, Schedule 10 Stainless Steel Concentric Reducer.....	296.56	119.02
	<i>For Work In Restricted Working Space, Add</i>	79.35	
40 05 23 23-0495	EA 4", Type 304, Schedule 10 Stainless Steel Concentric Reducer.....	346.63	139.46
	<i>For Work In Restricted Working Space, Add</i>	92.98	
40 05 23 23-0496	EA 6", Type 304, Schedule 10 Stainless Steel Concentric Reducer.....	447.09	177.55
	<i>For Work In Restricted Working Space, Add</i>	118.37	
40 05 23 23-0497	EA 8", Type 304, Schedule 10 Stainless Steel Concentric Reducer.....	698.80	276.48
	<i>For Work In Restricted Working Space, Add</i>	184.33	
40 05 23 23-0498	EA 10", Type 304, Schedule 10 Stainless Steel Concentric Reducer.....	888.41	345.61
	<i>For Work In Restricted Working Space, Add</i>	230.40	
40 05 23 23-0499	EA 12", Type 304, Schedule 10 Stainless Steel Concentric Reducer.....	1,194.56	460.80
	<i>For Work In Restricted Working Space, Add</i>	307.21	
40 05 23 23-0500	EA 14", Type 304, Schedule 10 Stainless Steel Concentric Reducer.....	1,698.72	604.81
	<i>For Work In Restricted Working Space, Add</i>	403.21	
40 05 23 23-0501	EA 16", Type 304, Schedule 10 Stainless Steel Concentric Reducer.....	1,984.91	689.24
	<i>For Work In Restricted Working Space, Add</i>	459.49	
40 05 23 23-0502	EA 18", Type 304, Schedule 10 Stainless Steel Concentric Reducer.....	2,444.84	864.01
	<i>For Work In Restricted Working Space, Add</i>	576.01	
40 05 23 23-0503	EA 20", Type 304, Schedule 10 Stainless Steel Concentric Reducer.....	3,427.05	1,152.02
	<i>For Work In Restricted Working Space, Add</i>	768.01	
40 05 23 23-0504	EA 24", Type 304, Schedule 10 Stainless Steel Concentric Reducer.....	4,947.25	1,728.03
	<i>For Work In Restricted Working Space, Add</i>	1,152.02	
40 05 23 23-0505	EA 3/4", Type 304, Schedule 10 Stainless Steel Eccentric Reducer.....	166.97	57.55
	<i>For Work In Restricted Working Space, Add</i>	38.36	
40 05 23 23-0506	EA 1", Type 304, Schedule 10 Stainless Steel Eccentric Reducer.....	173.24	62.70
	<i>For Work In Restricted Working Space, Add</i>	41.80	
40 05 23 23-0507	EA 1-1/4", Type 304, Schedule 10 Stainless Steel Eccentric Reducer.....	183.12	69.51
	<i>For Work In Restricted Working Space, Add</i>	46.34	
40 05 23 23-0508	EA 1-1/2", Type 304, Schedule 10 Stainless Steel Eccentric Reducer.....	205.92	75.76
	<i>For Work In Restricted Working Space, Add</i>	50.51	
40 05 23 23-0509	EA 2", Type 304, Schedule 10 Stainless Steel Eccentric Reducer.....	214.93	83.65
	<i>For Work In Restricted Working Space, Add</i>	55.77	
40 05 23 23-0510	EA 2-1/2", Type 304, Schedule 10 Stainless Steel Eccentric Reducer.....	283.02	104.55
	<i>For Work In Restricted Working Space, Add</i>	69.70	
40 05 23 23-0511	EA 3", Type 304, Schedule 10 Stainless Steel Eccentric Reducer.....	317.02	119.02
	<i>For Work In Restricted Working Space, Add</i>	79.35	
40 05 23 23-0512	EA 4", Type 304, Schedule 10 Stainless Steel Eccentric Reducer.....	362.45	139.46
	<i>For Work In Restricted Working Space, Add</i>	92.98	
40 05 23 23-0513	EA 6", Type 304, Schedule 10 Stainless Steel Eccentric Reducer.....	504.21	177.55
	<i>For Work In Restricted Working Space, Add</i>	118.37	
40 05 23 23-0514	EA 8", Type 304, Schedule 10 Stainless Steel Eccentric Reducer.....	821.23	276.48
	<i>For Work In Restricted Working Space, Add</i>	184.33	
40 05 23 23-0515	EA 10", Type 304, Schedule 10 Stainless Steel Eccentric Reducer.....	1,127.23	345.61
	<i>For Work In Restricted Working Space, Add</i>	230.40	
40 05 23 23-0516	EA 12", Type 304, Schedule 10 Stainless Steel Eccentric Reducer.....	1,415.24	460.80
	<i>For Work In Restricted Working Space, Add</i>	307.21	
40 05 23 23-0517	EA 14", Type 304, Schedule 10 Stainless Steel Eccentric Reducer.....	2,207.80	604.81
	<i>For Work In Restricted Working Space, Add</i>	403.21	
40 05 23 23-0518	EA 16", Type 304, Schedule 10 Stainless Steel Eccentric Reducer.....	2,568.23	689.24
	<i>For Work In Restricted Working Space, Add</i>	459.49	
40 05 23 23-0519	EA 18", Type 304, Schedule 10 Stainless Steel Eccentric Reducer.....	3,156.76	864.01
	<i>For Work In Restricted Working Space, Add</i>	576.01	
40 05 23 23-0520	EA 20", Type 304, Schedule 10 Stainless Steel Eccentric Reducer.....	4,567.87	1,152.02
	<i>For Work In Restricted Working Space, Add</i>	768.01	
40 05 23 23-0521	EA 24", Type 304, Schedule 10 Stainless Steel Eccentric Reducer.....	6,459.18	1,728.03
	<i>For Work In Restricted Working Space, Add</i>	1,152.02	

40 05 23 23-0522 Type 304, Schedule 10 Stainless Steel Butt Weld Caps (40 05 23 23-0392)

40 05 23 23-0523	EA 1/2", Type 304, Schedule 10 Stainless Steel Cap.....	75.68	29.80
	<i>For Work In Restricted Working Space, Add</i>	19.86	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0524	EA	3/4", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	83.10 21.08	31.62
40 05 23 23-0525	EA	1", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	91.29 23.17	34.75
40 05 23 23-0526	EA	1-1/4", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	100.52 25.25	37.88
40 05 23 23-0527	EA	1-1/2", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	107.94 27.89	41.83
40 05 23 23-0528	EA	2", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	116.54 31.02	46.53
40 05 23 23-0529	EA	2-1/2", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	151.30 39.71	59.56
40 05 23 23-0530	EA	3", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	171.32 46.54	69.81
40 05 23 23-0531	EA	4", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	206.45 55.70	83.55
40 05 23 23-0532	EA	6", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	266.22 69.70	104.55
40 05 23 23-0533	EA	8", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	445.04 115.20	172.80
40 05 23 23-0534	EA	10", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	592.63 153.60	230.41
40 05 23 23-0535	EA	12", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	873.08 230.40	345.59
40 05 23 23-0536	EA	14", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	1,024.78 268.80	403.21
40 05 23 23-0537	EA	16", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	1,188.16 306.62	459.93
40 05 23 23-0538	EA	18", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	1,500.62 384.01	576.01
40 05 23 23-0539	EA	20", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	2,072.52 537.61	806.42
40 05 23 23-0540	EA	24", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	3,054.27 768.01	1,152.01
40 05 23 23-0541		Type 304, Schedule 40 Stainless Steel Pipe And Butt Weld Fittings (40 05 23 23-0231)		
40 05 23 23-0542		Type 304, Schedule 40 Stainless Steel Pipe (40 05 23 23-0541)		
40 05 23 23-0543	LF	1/2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	26.54 3.14	5.22
40 05 23 23-0544	LF	3/4" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	32.20 3.83	6.39
40 05 23 23-0545	LF	1" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	39.65 4.50	7.55
40 05 23 23-0546	LF	1-1/4" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	49.57 5.62	9.29
40 05 23 23-0547	LF	1-1/2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	57.23 6.34	10.46
40 05 23 23-0548	LF	2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	73.59 7.85	13.36
40 05 23 23-0549	LF	2-1/2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	92.09 8.97	15.10
40 05 23 23-0550	LF	3" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	88.41 10.10	16.85
40 05 23 23-0551	LF	4" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	150.56 11.95	19.75
40 05 23 23-0552	LF	6" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	237.30 15.70	26.14
40 05 23 23-0553	LF	8" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	414.85 29.33	45.39
40 05 23 23-0554	LF	10" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	530.32 32.26	50.18
40 05 23 23-0555	LF	12" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	665.59 35.84	55.56
40 05 23 23-0556		Type 304, Schedule 40 Stainless Steel Butt Weld 90 Degree Elbows (40 05 23 23-0541)		
40 05 23 23-0557	EA	1/2", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	138.82 39.72	59.59
40 05 23 23-0558	EA	3/4", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	146.96 42.17	63.25
40 05 23 23-0559	EA	1", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	161.49 46.34	69.51
40 05 23 23-0560	EA	1-1/4", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	175.90 50.51	75.76
40 05 23 23-0561	EA	1-1/2", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	194.16 55.77	83.65
40 05 23 23-0562	EA	2", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	218.45 62.05	93.08
40 05 23 23-0563	EA	2-1/2", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	288.84 79.41	119.12
40 05 23 23-0564	EA	3", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	341.10 93.08	139.61
40 05 23 23-0565	EA	4", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	422.36 111.41	167.10

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 23 23-0566	EA	6", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow.....	673.11	208.75
		<i>For Work In Restricted Working Space, Add</i>	139.17	
40 05 23 23-0567	EA	8", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow.....	1,092.93	345.61
		<i>For Work In Restricted Working Space, Add</i>	230.40	
40 05 23 23-0568	EA	10", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow.....	1,701.24	460.80
		<i>For Work In Restricted Working Space, Add</i>	307.21	
40 05 23 23-0569	EA	12", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow.....	2,495.26	691.21
		<i>For Work In Restricted Working Space, Add</i>	460.81	
40 05 23 23-0570	EA	14", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow.....	2,963.00	806.42
		<i>For Work In Restricted Working Space, Add</i>	537.61	
40 05 23 23-0571	EA	16", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow.....	3,536.95	919.85
		<i>For Work In Restricted Working Space, Add</i>	613.24	
40 05 23 23-0572	EA	18", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow.....	4,556.66	1,152.02
		<i>For Work In Restricted Working Space, Add</i>	768.01	
40 05 23 23-0573	EA	20", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow.....	6,198.48	1,612.82
		<i>For Work In Restricted Working Space, Add</i>	1,075.22	
40 05 23 23-0574	EA	24", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow.....	8,886.26	2,304.03
		<i>For Work In Restricted Working Space, Add</i>	1,536.02	

40 05 23 23-0575 Type 304, Schedule 40 Stainless Steel Butt Weld 45 Degree Elbows (40 05 23 23-0541)

40 05 23 23-0576	EA	1/2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow.....	140.96	59.59
		<i>For Work In Restricted Working Space, Add</i>	39.72	
40 05 23 23-0577	EA	3/4", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow.....	149.10	63.25
		<i>For Work In Restricted Working Space, Add</i>	42.17	
40 05 23 23-0578	EA	1", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow.....	163.02	69.51
		<i>For Work In Restricted Working Space, Add</i>	46.34	
40 05 23 23-0579	EA	1-1/4", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow.....	177.46	75.76
		<i>For Work In Restricted Working Space, Add</i>	50.51	
40 05 23 23-0580	EA	1-1/2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow.....	195.68	83.65
		<i>For Work In Restricted Working Space, Add</i>	55.77	
40 05 23 23-0581	EA	2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow.....	218.77	93.08
		<i>For Work In Restricted Working Space, Add</i>	62.05	
40 05 23 23-0582	EA	2-1/2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow.....	288.84	119.12
		<i>For Work In Restricted Working Space, Add</i>	79.41	
40 05 23 23-0583	EA	3", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow.....	332.55	139.61
		<i>For Work In Restricted Working Space, Add</i>	93.08	
40 05 23 23-0584	EA	4", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow.....	426.94	167.10
		<i>For Work In Restricted Working Space, Add</i>	111.41	
40 05 23 23-0585	EA	6", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow.....	568.96	208.75
		<i>For Work In Restricted Working Space, Add</i>	139.17	
40 05 23 23-0586	EA	8", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow.....	983.74	345.61
		<i>For Work In Restricted Working Space, Add</i>	230.40	
40 05 23 23-0587	EA	10", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow.....	1,428.45	460.80
		<i>For Work In Restricted Working Space, Add</i>	307.21	
40 05 23 23-0588	EA	12", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow.....	2,092.84	691.21
		<i>For Work In Restricted Working Space, Add</i>	460.81	
40 05 23 23-0589	EA	14", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow.....	2,374.50	806.42
		<i>For Work In Restricted Working Space, Add</i>	537.61	
40 05 23 23-0590	EA	16", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow.....	2,836.27	919.85
		<i>For Work In Restricted Working Space, Add</i>	613.24	
40 05 23 23-0591	EA	18", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow.....	3,579.14	1,152.02
		<i>For Work In Restricted Working Space, Add</i>	768.01	
40 05 23 23-0592	EA	20", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow.....	4,879.46	1,612.82
		<i>For Work In Restricted Working Space, Add</i>	1,075.22	
40 05 23 23-0593	EA	24", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow.....	7,082.27	2,304.03
		<i>For Work In Restricted Working Space, Add</i>	1,536.02	

40 05 23 23-0594 Type 304, Schedule 40 Stainless Steel Butt Weld Tees (40 05 23 23-0541)

40 05 23 23-0595	EA	1/2", Type 304, Schedule 40 Stainless Steel Tee.....	186.32	75.73
		<i>For Work In Restricted Working Space, Add</i>	50.49	
40 05 23 23-0596	EA	3/4", Type 304, Schedule 40 Stainless Steel Tee.....	224.62	92.98
		<i>For Work In Restricted Working Space, Add</i>	61.98	
40 05 23 23-0597	EA	1", Type 304, Schedule 40 Stainless Steel Tee.....	250.15	104.47
		<i>For Work In Restricted Working Space, Add</i>	69.64	
40 05 23 23-0598	EA	1-1/4", Type 304, Schedule 40 Stainless Steel Tee.....	286.48	119.12
		<i>For Work In Restricted Working Space, Add</i>	79.41	
40 05 23 23-0599	EA	1-1/2", Type 304, Schedule 40 Stainless Steel Tee.....	302.17	127.87
		<i>For Work In Restricted Working Space, Add</i>	85.25	
40 05 23 23-0600	EA	2", Type 304, Schedule 40 Stainless Steel Tee.....	329.47	139.46
		<i>For Work In Restricted Working Space, Add</i>	92.98	
40 05 23 23-0601	EA	2-1/2", Type 304, Schedule 40 Stainless Steel Tee.....	426.33	167.10
		<i>For Work In Restricted Working Space, Add</i>	111.41	
40 05 23 23-0602	EA	3", Type 304, Schedule 40 Stainless Steel Tee.....	504.78	209.42
		<i>For Work In Restricted Working Space, Add</i>	139.61	
40 05 23 23-0603	EA	4", Type 304, Schedule 40 Stainless Steel Tee.....	578.80	235.04
		<i>For Work In Restricted Working Space, Add</i>	156.69	
40 05 23 23-0604	EA	6", Type 304, Schedule 40 Stainless Steel Tee.....	876.60	313.38
		<i>For Work In Restricted Working Space, Add</i>	208.92	
40 05 23 23-0605	EA	8", Type 304, Schedule 40 Stainless Steel Tee.....	1,478.58	460.80
		<i>For Work In Restricted Working Space, Add</i>	307.21	
40 05 23 23-0606	EA	10", Type 304, Schedule 40 Stainless Steel Tee.....	2,489.67	691.21
		<i>For Work In Restricted Working Space, Add</i>	460.81	
40 05 23 23-0607	EA	12", Type 304, Schedule 40 Stainless Steel Tee.....	3,096.65	864.01
		<i>For Work In Restricted Working Space, Add</i>	576.01	
40 05 23 23-0608	EA	14", Type 304, Schedule 40 Stainless Steel Tee.....	4,173.21	1,038.30
		<i>For Work In Restricted Working Space, Add</i>	692.20	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0609	EA	16", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	5,289.62 844.41	1,266.61
40 05 23 23-0610	EA	18", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	6,847.97 1,075.22	1,612.82
40 05 23 23-0611	EA	20", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	8,848.44 1,414.76	2,122.14
40 05 23 23-0612	EA	24", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	13,542.19 2,150.43	3,225.65
40 05 23 23-0613 Type 304, Schedule 40 Stainless Steel Butt Weld Reducing Tees (40 05 23 23-0541)				
40 05 23 23-0614	EA	3/4", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	174.51 42.18	63.27
40 05 23 23-0615	EA	1", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	206.20 51.69	77.53
40 05 23 23-0616	EA	1-1/4", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	267.35 58.08	87.12
40 05 23 23-0617	EA	1-1/2", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	264.08 66.21	99.31
40 05 23 23-0618	EA	2", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	271.06 71.15	106.71
40 05 23 23-0619	EA	2-1/2", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	330.87 77.54	116.30
40 05 23 23-0620	EA	3", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	369.97 92.94	139.40
40 05 23 23-0621	EA	4", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	486.77 116.16	174.24
40 05 23 23-0622	EA	6", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	671.48 132.72	199.09
40 05 23 23-0623	EA	8", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	1,106.76 192.00	288.00
40 05 23 23-0624	EA	10", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	2,070.55 256.01	384.01
40 05 23 23-0625	EA	12", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	2,984.11 384.01	576.01
40 05 23 23-0626	EA	14", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	3,407.57 461.33	692.01
40 05 23 23-0627	EA	16", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	4,217.51 562.74	844.12
40 05 23 23-0628	EA	18", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	5,443.07 716.81	1,075.22
40 05 23 23-0629	EA	20", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	7,716.88 943.17	1,414.76
40 05 23 23-0630	EA	24", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	12,057.80 1,432.35	2,148.52
40 05 23 23-0631 Type 304, Schedule 40 Stainless Steel Butt Weld Reducers (40 05 23 23-0541)				
40 05 23 23-0632	EA	3/4", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	141.31 38.36	57.55
40 05 23 23-0633	EA	1", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	155.22 41.80	62.70
40 05 23 23-0634	EA	1-1/4", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	168.91 46.34	69.51
40 05 23 23-0635	EA	1-1/2", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	182.71 50.51	75.76
40 05 23 23-0636	EA	2", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	197.82 55.77	83.65
40 05 23 23-0637	EA	2-1/2", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	262.25 69.70	104.55
40 05 23 23-0638	EA	3", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	285.56 79.35	119.02
40 05 23 23-0639	EA	4", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	330.99 92.98	139.46
40 05 23 23-0640	EA	6", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	449.54 118.37	177.55
40 05 23 23-0641	EA	8", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	750.66 184.33	276.48
40 05 23 23-0642	EA	10", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	977.48 230.40	345.61
40 05 23 23-0643	EA	12", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,274.05 307.21	460.80
40 05 23 23-0644	EA	14", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,877.12 403.21	604.81
40 05 23 23-0645	EA	16", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	2,209.17 459.49	689.24
40 05 23 23-0646	EA	18", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	2,898.98 576.01	864.01
40 05 23 23-0647	EA	20", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	3,962.73 768.01	1,152.02
40 05 23 23-0648	EA	24", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	5,502.00 1,152.02	1,728.03
40 05 23 23-0649	EA	3/4", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	168.21 38.36	57.55
40 05 23 23-0650	EA	1", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	179.66 41.80	62.70
40 05 23 23-0651	EA	1-1/4", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	205.12 46.34	69.51

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 23 23-0652	EA 1-1/2", Type 304, Schedule 40 Stainless Steel Eccentric Reducer.....	217.22	75.76
	<i>For Work In Restricted Working Space, Add</i>	50.51	
40 05 23 23-0653	EA 2", Type 304, Schedule 40 Stainless Steel Eccentric Reducer.....	232.34	83.65
	<i>For Work In Restricted Working Space, Add</i>	55.77	
40 05 23 23-0654	EA 2-1/2", Type 304, Schedule 40 Stainless Steel Eccentric Reducer.....	283.02	104.55
	<i>For Work In Restricted Working Space, Add</i>	69.70	
40 05 23 23-0655	EA 3", Type 304, Schedule 40 Stainless Steel Eccentric Reducer.....	354.90	119.02
	<i>For Work In Restricted Working Space, Add</i>	79.35	
40 05 23 23-0656	EA 4", Type 304, Schedule 40 Stainless Steel Eccentric Reducer.....	388.11	139.46
	<i>For Work In Restricted Working Space, Add</i>	92.98	
40 05 23 23-0657	EA 6", Type 304, Schedule 40 Stainless Steel Eccentric Reducer.....	529.56	177.55
	<i>For Work In Restricted Working Space, Add</i>	118.37	
40 05 23 23-0658	EA 8", Type 304, Schedule 40 Stainless Steel Eccentric Reducer.....	823.89	276.48
	<i>For Work In Restricted Working Space, Add</i>	184.33	
40 05 23 23-0659	EA 10", Type 304, Schedule 40 Stainless Steel Eccentric Reducer.....	1,124.92	345.61
	<i>For Work In Restricted Working Space, Add</i>	230.40	
40 05 23 23-0660	EA 12", Type 304, Schedule 40 Stainless Steel Eccentric Reducer.....	1,535.31	460.80
	<i>For Work In Restricted Working Space, Add</i>	307.21	
40 05 23 23-0661	EA 14", Type 304, Schedule 40 Stainless Steel Eccentric Reducer.....	2,517.49	604.81
	<i>For Work In Restricted Working Space, Add</i>	403.21	
40 05 23 23-0662	EA 16", Type 304, Schedule 40 Stainless Steel Eccentric Reducer.....	2,855.47	689.24
	<i>For Work In Restricted Working Space, Add</i>	459.49	
40 05 23 23-0663	EA 18", Type 304, Schedule 40 Stainless Steel Eccentric Reducer.....	3,735.10	864.01
	<i>For Work In Restricted Working Space, Add</i>	576.01	
40 05 23 23-0664	EA 20", Type 304, Schedule 40 Stainless Steel Eccentric Reducer.....	4,853.29	1,152.02
	<i>For Work In Restricted Working Space, Add</i>	768.01	
40 05 23 23-0665	EA 24", Type 304, Schedule 40 Stainless Steel Eccentric Reducer.....	7,724.27	1,728.03
	<i>For Work In Restricted Working Space, Add</i>	1,152.02	

40 05 23 23-0666 Type 304, Schedule 40 Stainless Steel Butt Weld Caps (40 05 23 23-0541)

40 05 23 23-0667	EA 1/2", Type 304, Schedule 40 Stainless Steel Cap.....	76.59	29.80
	<i>For Work In Restricted Working Space, Add</i>	19.86	
40 05 23 23-0668	EA 3/4", Type 304, Schedule 40 Stainless Steel Cap.....	82.18	31.62
	<i>For Work In Restricted Working Space, Add</i>	21.08	
40 05 23 23-0669	EA 1", Type 304, Schedule 40 Stainless Steel Cap.....	92.21	34.75
	<i>For Work In Restricted Working Space, Add</i>	23.17	
40 05 23 23-0670	EA 1-1/4", Type 304, Schedule 40 Stainless Steel Cap.....	104.61	37.88
	<i>For Work In Restricted Working Space, Add</i>	25.25	
40 05 23 23-0671	EA 1-1/2", Type 304, Schedule 40 Stainless Steel Cap.....	111.91	41.83
	<i>For Work In Restricted Working Space, Add</i>	27.89	
40 05 23 23-0672	EA 2", Type 304, Schedule 40 Stainless Steel Cap.....	116.24	46.53
	<i>For Work In Restricted Working Space, Add</i>	31.02	
40 05 23 23-0673	EA 2-1/2", Type 304, Schedule 40 Stainless Steel Cap.....	149.24	59.56
	<i>For Work In Restricted Working Space, Add</i>	39.71	
40 05 23 23-0674	EA 3", Type 304, Schedule 40 Stainless Steel Cap.....	172.54	69.81
	<i>For Work In Restricted Working Space, Add</i>	46.54	
40 05 23 23-0675	EA 4", Type 304, Schedule 40 Stainless Steel Cap.....	210.11	83.55
	<i>For Work In Restricted Working Space, Add</i>	55.70	
40 05 23 23-0676	EA 6", Type 304, Schedule 40 Stainless Steel Cap.....	288.82	104.55
	<i>For Work In Restricted Working Space, Add</i>	69.70	
40 05 23 23-0677	EA 8", Type 304, Schedule 40 Stainless Steel Cap.....	481.33	172.80
	<i>For Work In Restricted Working Space, Add</i>	115.20	
40 05 23 23-0678	EA 10", Type 304, Schedule 40 Stainless Steel Cap.....	643.95	230.41
	<i>For Work In Restricted Working Space, Add</i>	153.60	
40 05 23 23-0679	EA 12", Type 304, Schedule 40 Stainless Steel Cap.....	970.87	345.59
	<i>For Work In Restricted Working Space, Add</i>	230.40	
40 05 23 23-0680	EA 14", Type 304, Schedule 40 Stainless Steel Cap.....	1,114.36	403.21
	<i>For Work In Restricted Working Space, Add</i>	268.80	
40 05 23 23-0681	EA 16", Type 304, Schedule 40 Stainless Steel Cap.....	1,311.39	459.93
	<i>For Work In Restricted Working Space, Add</i>	306.62	
40 05 23 23-0682	EA 18", Type 304, Schedule 40 Stainless Steel Cap.....	1,646.68	576.01
	<i>For Work In Restricted Working Space, Add</i>	384.01	
40 05 23 23-0683	EA 20", Type 304, Schedule 40 Stainless Steel Cap.....	2,267.30	806.42
	<i>For Work In Restricted Working Space, Add</i>	537.61	
40 05 23 23-0684	EA 24", Type 304, Schedule 40 Stainless Steel Cap.....	3,379.93	1,152.01
	<i>For Work In Restricted Working Space, Add</i>	768.01	

40 05 23 23-0685 Type 316, Schedule 10 Stainless Steel Pipe And Butt Weld Fittings (40 05 23 23-0231)**40 05 23 23-0686 Type 316, Schedule 10 Stainless Steel Pipe (40 05 23 23-0685)**

40 05 23 23-0687	LF 1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting.....	27.39	5.22
	<i>For Work In Restricted Working Space, Add</i>	3.14	
40 05 23 23-0688	LF 3/4" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting.....	32.37	6.39
	<i>For Work In Restricted Working Space, Add</i>	3.83	
40 05 23 23-0689	LF 1" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting.....	44.18	7.55
	<i>For Work In Restricted Working Space, Add</i>	4.50	
40 05 23 23-0690	LF 1-1/4" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting.....	53.65	9.40
	<i>For Work In Restricted Working Space, Add</i>	5.62	
40 05 23 23-0691	LF 1-1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting.....	59.50	10.57
	<i>For Work In Restricted Working Space, Add</i>	6.34	
40 05 23 23-0692	LF 2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting.....	73.55	13.12
	<i>For Work In Restricted Working Space, Add</i>	7.85	
40 05 23 23-0693	LF 2-1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting.....	88.85	14.98
	<i>For Work In Restricted Working Space, Add</i>	8.97	
40 05 23 23-0694	LF 3" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting.....	105.92	16.85
	<i>For Work In Restricted Working Space, Add</i>	10.10	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0695	LF	4" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	134.63 11.95	19.98
40 05 23 23-0696	LF	6" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	200.28 15.70	26.25
40 05 23 23-0697	LF	8" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	324.31 29.33	45.63
40 05 23 23-0698	LF	10" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	426.55 32.26	50.18
40 05 23 23-0699	LF	12" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	517.11 35.84	55.79
40 05 23 23-0700	LF	14" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	645.15 40.32	62.72
40 05 23 23-0701	LF	16" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	706.37 46.08	71.69
40 05 23 23-0702	LF	18" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	786.35 53.76	83.62
40 05 23 23-0703	LF	20" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	1,115.80 64.52	100.36
40 05 23 23-0704	LF	24" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	1,463.44 80.64	125.44
40 05 23 23-0705 Type 316, Schedule 10 Stainless Steel Butt Weld 90 Degree Elbows (40 05 23 23-0695)				
40 05 23 23-0706	EA	1/2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	139.13 39.72	59.59
40 05 23 23-0707	EA	3/4", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	147.27 42.17	63.25
40 05 23 23-0708	EA	1", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	162.41 46.34	69.51
40 05 23 23-0709	EA	1-1/4", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	177.90 50.51	75.76
40 05 23 23-0710	EA	1-1/2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	195.38 55.77	83.65
40 05 23 23-0711	EA	2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	218.45 62.05	93.08
40 05 23 23-0712	EA	2-1/2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	284.87 79.41	119.12
40 05 23 23-0713	EA	3", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	335.30 93.08	139.61
40 05 23 23-0714	EA	4", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	411.67 111.41	167.10
40 05 23 23-0715	EA	6", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	571.40 139.17	208.75
40 05 23 23-0716	EA	8", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	965.93 230.40	345.61
40 05 23 23-0717	EA	10", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	1,455.80 307.21	460.80
40 05 23 23-0718	EA	12", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	2,183.55 460.81	691.21
40 05 23 23-0719	EA	14", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	2,547.77 537.61	806.42
40 05 23 23-0720	EA	16", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	3,041.62 613.24	919.85
40 05 23 23-0721	EA	18", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	3,829.81 768.01	1,152.02
40 05 23 23-0722	EA	20", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	5,348.58 1,075.22	1,612.82
40 05 23 23-0723	EA	24", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	7,694.33 1,536.02	2,304.03
40 05 23 23-0724 Type 316, Schedule 10 Stainless Steel Butt Weld 45 Degree Elbows (40 05 23 23-0695)				
40 05 23 23-0725	EA	1/2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	140.96 39.72	59.59
40 05 23 23-0726	EA	3/4", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	149.10 42.17	63.25
40 05 23 23-0727	EA	1", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	164.24 46.34	69.51
40 05 23 23-0728	EA	1-1/4", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	180.35 50.51	75.76
40 05 23 23-0729	EA	1-1/2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	195.38 55.77	83.65
40 05 23 23-0730	EA	2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	218.45 62.05	93.08
40 05 23 23-0731	EA	2-1/2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	283.04 79.41	119.12
40 05 23 23-0732	EA	3", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	332.55 93.08	139.61
40 05 23 23-0733	EA	4", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	405.25 111.41	167.10
40 05 23 23-0734	EA	6", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	533.53 139.17	208.75
40 05 23 23-0735	EA	8", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	897.97 230.40	345.61
40 05 23 23-0736	EA	10", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	1,428.45 307.21	460.80

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 23 23-0737	EA 12", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow.....	2,092.84	691.21
	<i>For Work In Restricted Working Space, Add</i>	460.81	
40 05 23 23-0738	EA 14", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow.....	2,462.77	806.42
	<i>For Work In Restricted Working Space, Add</i>	537.61	
40 05 23 23-0739	EA 16", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow.....	2,885.77	919.85
	<i>For Work In Restricted Working Space, Add</i>	613.24	
40 05 23 23-0740	EA 18", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow.....	3,646.28	1,152.02
	<i>For Work In Restricted Working Space, Add</i>	768.01	
40 05 23 23-0741	EA 20", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow.....	5,183.67	1,612.82
	<i>For Work In Restricted Working Space, Add</i>	1,075.22	
40 05 23 23-0742	EA 24", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow.....	7,474.69	2,304.03
	<i>For Work In Restricted Working Space, Add</i>	1,536.02	

40 05 23 23-0743 Type 316, Schedule 10 Stainless Steel Butt Weld Tees (40 05 23 23-0685)

40 05 23 23-0744	EA 1/2", Type 316, Schedule 10 Stainless Steel Tee.....	189.07	75.73
	<i>For Work In Restricted Working Space, Add</i>	50.49	
40 05 23 23-0745	EA 3/4", Type 316, Schedule 10 Stainless Steel Tee.....	227.37	92.98
	<i>For Work In Restricted Working Space, Add</i>	61.98	
40 05 23 23-0746	EA 1", Type 316, Schedule 10 Stainless Steel Tee.....	252.90	104.47
	<i>For Work In Restricted Working Space, Add</i>	69.64	
40 05 23 23-0747	EA 1-1/4", Type 316, Schedule 10 Stainless Steel Tee.....	290.70	119.12
	<i>For Work In Restricted Working Space, Add</i>	79.41	
40 05 23 23-0748	EA 1-1/2", Type 316, Schedule 10 Stainless Steel Tee.....	306.75	127.87
	<i>For Work In Restricted Working Space, Add</i>	85.25	
40 05 23 23-0749	EA 2", Type 316, Schedule 10 Stainless Steel Tee.....	333.13	139.46
	<i>For Work In Restricted Working Space, Add</i>	92.98	
40 05 23 23-0750	EA 2-1/2", Type 316, Schedule 10 Stainless Steel Tee.....	405.56	167.10
	<i>For Work In Restricted Working Space, Add</i>	111.41	
40 05 23 23-0751	EA 3", Type 316, Schedule 10 Stainless Steel Tee.....	508.45	209.42
	<i>For Work In Restricted Working Space, Add</i>	139.61	
40 05 23 23-0752	EA 4", Type 316, Schedule 10 Stainless Steel Tee.....	585.52	235.04
	<i>For Work In Restricted Working Space, Add</i>	156.69	
40 05 23 23-0753	EA 6", Type 316, Schedule 10 Stainless Steel Tee.....	867.44	313.38
	<i>For Work In Restricted Working Space, Add</i>	208.92	
40 05 23 23-0754	EA 8", Type 316, Schedule 10 Stainless Steel Tee.....	1,437.99	460.80
	<i>For Work In Restricted Working Space, Add</i>	307.21	
40 05 23 23-0755	EA 10", Type 316, Schedule 10 Stainless Steel Tee.....	2,246.22	691.21
	<i>For Work In Restricted Working Space, Add</i>	460.81	
40 05 23 23-0756	EA 12", Type 316, Schedule 10 Stainless Steel Tee.....	2,893.77	864.01
	<i>For Work In Restricted Working Space, Add</i>	576.01	
40 05 23 23-0757	EA 14", Type 316, Schedule 10 Stainless Steel Tee.....	3,722.02	1,038.30
	<i>For Work In Restricted Working Space, Add</i>	692.20	
40 05 23 23-0758	EA 16", Type 316, Schedule 10 Stainless Steel Tee.....	4,390.72	1,266.61
	<i>For Work In Restricted Working Space, Add</i>	844.41	
40 05 23 23-0759	EA 18", Type 316, Schedule 10 Stainless Steel Tee.....	5,580.38	1,612.82
	<i>For Work In Restricted Working Space, Add</i>	1,075.22	
40 05 23 23-0760	EA 20", Type 316, Schedule 10 Stainless Steel Tee.....	7,531.47	2,122.14
	<i>For Work In Restricted Working Space, Add</i>	1,414.76	
40 05 23 23-0761	EA 24", Type 316, Schedule 10 Stainless Steel Tee.....	10,754.57	3,225.65
	<i>For Work In Restricted Working Space, Add</i>	2,150.43	

40 05 23 23-0762 Type 316, Schedule 10 Stainless Steel Butt Weld Reducing Tees (40 05 23 23-0685)

40 05 23 23-0763	EA 3/4", Type 316, Schedule 10 Stainless Steel Reducing Tee.....	180.01	63.27
	<i>For Work In Restricted Working Space, Add</i>	42.18	
40 05 23 23-0764	EA 1", Type 316, Schedule 10 Stainless Steel Reducing Tee.....	213.53	77.53
	<i>For Work In Restricted Working Space, Add</i>	51.69	
40 05 23 23-0765	EA 1-1/4", Type 316, Schedule 10 Stainless Steel Reducing Tee.....	262.02	87.12
	<i>For Work In Restricted Working Space, Add</i>	58.08	
40 05 23 23-0766	EA 1-1/2", Type 316, Schedule 10 Stainless Steel Reducing Tee.....	267.75	99.31
	<i>For Work In Restricted Working Space, Add</i>	66.21	
40 05 23 23-0767	EA 2", Type 316, Schedule 10 Stainless Steel Reducing Tee.....	284.20	106.71
	<i>For Work In Restricted Working Space, Add</i>	71.15	
40 05 23 23-0768	EA 2-1/2", Type 316, Schedule 10 Stainless Steel Reducing Tee.....	390.10	116.30
	<i>For Work In Restricted Working Space, Add</i>	77.54	
40 05 23 23-0769	EA 3", Type 316, Schedule 10 Stainless Steel Reducing Tee.....	377.30	139.40
	<i>For Work In Restricted Working Space, Add</i>	92.94	
40 05 23 23-0770	EA 4", Type 316, Schedule 10 Stainless Steel Reducing Tee.....	509.37	174.24
	<i>For Work In Restricted Working Space, Add</i>	116.16	
40 05 23 23-0771	EA 6", Type 316, Schedule 10 Stainless Steel Reducing Tee.....	724.32	199.09
	<i>For Work In Restricted Working Space, Add</i>	132.72	
40 05 23 23-0772	EA 8", Type 316, Schedule 10 Stainless Steel Reducing Tee.....	1,400.68	288.00
	<i>For Work In Restricted Working Space, Add</i>	192.00	
40 05 23 23-0773	EA 10", Type 316, Schedule 10 Stainless Steel Reducing Tee.....	2,577.89	384.01
	<i>For Work In Restricted Working Space, Add</i>	256.01	
40 05 23 23-0774	EA 12", Type 316, Schedule 10 Stainless Steel Reducing Tee.....	3,369.72	576.01
	<i>For Work In Restricted Working Space, Add</i>	384.01	
40 05 23 23-0775	EA 14", Type 316, Schedule 10 Stainless Steel Reducing Tee.....	3,830.67	692.01
	<i>For Work In Restricted Working Space, Add</i>	461.33	
40 05 23 23-0776	EA 16", Type 316, Schedule 10 Stainless Steel Reducing Tee.....	4,747.40	844.12
	<i>For Work In Restricted Working Space, Add</i>	562.74	
40 05 23 23-0777	EA 18", Type 316, Schedule 10 Stainless Steel Reducing Tee.....	6,134.06	1,075.22
	<i>For Work In Restricted Working Space, Add</i>	716.81	
40 05 23 23-0778	EA 20", Type 316, Schedule 10 Stainless Steel Reducing Tee.....	8,751.66	1,414.76
	<i>For Work In Restricted Working Space, Add</i>	943.17	
40 05 23 23-0779	EA 24", Type 316, Schedule 10 Stainless Steel Reducing Tee.....	13,705.89	2,148.52
	<i>For Work In Restricted Working Space, Add</i>	1,432.35	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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40 05 23 23-0780		Type 316, Schedule 10 Stainless Steel Butt Weld Reducers (40 05 23 23-0685)		
40 05 23 23-0781	EA	3/4", Type 316, Schedule 10 Stainless Steel Concentric Reducer	141.00	57.55
		For Work In Restricted Working Space, Add	38.36	
40 05 23 23-0782	EA	1", Type 316, Schedule 10 Stainless Steel Concentric Reducer	155.53	62.70
		For Work In Restricted Working Space, Add	41.80	
40 05 23 23-0783	EA	1-1/4", Type 316, Schedule 10 Stainless Steel Concentric Reducer	173.57	69.51
		For Work In Restricted Working Space, Add	46.34	
40 05 23 23-0784	EA	1-1/2", Type 316, Schedule 10 Stainless Steel Concentric Reducer	181.79	75.76
		For Work In Restricted Working Space, Add	50.51	
40 05 23 23-0785	EA	2", Type 316, Schedule 10 Stainless Steel Concentric Reducer	197.82	83.65
		For Work In Restricted Working Space, Add	55.77	
40 05 23 23-0786	EA	2-1/2", Type 316, Schedule 10 Stainless Steel Concentric Reducer	260.97	104.55
		For Work In Restricted Working Space, Add	69.70	
40 05 23 23-0787	EA	3", Type 316, Schedule 10 Stainless Steel Concentric Reducer	303.89	119.02
		For Work In Restricted Working Space, Add	79.35	
40 05 23 23-0788	EA	4", Type 316, Schedule 10 Stainless Steel Concentric Reducer	333.17	139.46
		For Work In Restricted Working Space, Add	92.98	
40 05 23 23-0789	EA	6", Type 316, Schedule 10 Stainless Steel Concentric Reducer	462.06	177.55
		For Work In Restricted Working Space, Add	118.37	
40 05 23 23-0790	EA	8", Type 316, Schedule 10 Stainless Steel Concentric Reducer	714.45	276.48
		For Work In Restricted Working Space, Add	184.33	
40 05 23 23-0791	EA	10", Type 316, Schedule 10 Stainless Steel Concentric Reducer	925.04	345.61
		For Work In Restricted Working Space, Add	230.40	
40 05 23 23-0792	EA	12", Type 316, Schedule 10 Stainless Steel Concentric Reducer	1,237.78	460.80
		For Work In Restricted Working Space, Add	307.21	
40 05 23 23-0793	EA	14", Type 316, Schedule 10 Stainless Steel Concentric Reducer	1,758.24	604.81
		For Work In Restricted Working Space, Add	403.21	
40 05 23 23-0794	EA	16", Type 316, Schedule 10 Stainless Steel Concentric Reducer	2,041.27	689.24
		For Work In Restricted Working Space, Add	459.49	
40 05 23 23-0795	EA	18", Type 316, Schedule 10 Stainless Steel Concentric Reducer	2,527.69	864.01
		For Work In Restricted Working Space, Add	576.01	
40 05 23 23-0796	EA	20", Type 316, Schedule 10 Stainless Steel Concentric Reducer	3,555.06	1,152.02
		For Work In Restricted Working Space, Add	768.01	
40 05 23 23-0797	EA	24", Type 316, Schedule 10 Stainless Steel Concentric Reducer	5,174.21	1,728.03
		For Work In Restricted Working Space, Add	1,152.02	
40 05 23 23-0798	EA	3/4", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	164.74	57.55
		For Work In Restricted Working Space, Add	38.36	
40 05 23 23-0799	EA	1", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	183.72	62.70
		For Work In Restricted Working Space, Add	41.80	
40 05 23 23-0800	EA	1-1/4", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	207.00	69.51
		For Work In Restricted Working Space, Add	46.34	
40 05 23 23-0801	EA	1-1/2", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	220.88	75.76
		For Work In Restricted Working Space, Add	50.51	
40 05 23 23-0802	EA	2", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	221.95	83.65
		For Work In Restricted Working Space, Add	55.77	
40 05 23 23-0803	EA	2-1/2", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	294.32	104.55
		For Work In Restricted Working Space, Add	69.70	
40 05 23 23-0804	EA	3", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	338.10	119.02
		For Work In Restricted Working Space, Add	79.35	
40 05 23 23-0805	EA	4", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	379.56	139.46
		For Work In Restricted Working Space, Add	92.98	
40 05 23 23-0806	EA	6", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	541.78	177.55
		For Work In Restricted Working Space, Add	118.37	
40 05 23 23-0807	EA	8", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	887.21	276.48
		For Work In Restricted Working Space, Add	184.33	
40 05 23 23-0808	EA	10", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	1,222.57	345.61
		For Work In Restricted Working Space, Add	230.40	
40 05 23 23-0809	EA	12", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	1,546.52	460.80
		For Work In Restricted Working Space, Add	307.21	
40 05 23 23-0810	EA	14", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	2,343.72	604.81
		For Work In Restricted Working Space, Add	403.21	
40 05 23 23-0811	EA	16", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	2,748.91	689.24
		For Work In Restricted Working Space, Add	459.49	
40 05 23 23-0812	EA	18", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	3,406.87	864.01
		For Work In Restricted Working Space, Add	576.01	
40 05 23 23-0813	EA	20", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	4,961.15	1,152.02
		For Work In Restricted Working Space, Add	768.01	
40 05 23 23-0814	EA	24", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	6,844.05	1,728.03
		For Work In Restricted Working Space, Add	1,152.02	
40 05 23 23-0815		Type 316, Schedule 10 Stainless Steel Butt Weld Caps (40 05 23 23-0685)		
40 05 23 23-0816	EA	1/2", Type 316, Schedule 10 Stainless Steel Cap	79.65	29.80
		For Work In Restricted Working Space, Add	19.86	
40 05 23 23-0817	EA	3/4", Type 316, Schedule 10 Stainless Steel Cap	88.29	31.62
		For Work In Restricted Working Space, Add	21.08	
40 05 23 23-0818	EA	1", Type 316, Schedule 10 Stainless Steel Cap	96.79	34.75
		For Work In Restricted Working Space, Add	23.17	
40 05 23 23-0819	EA	1-1/4", Type 316, Schedule 10 Stainless Steel Cap	105.83	37.88
		For Work In Restricted Working Space, Add	25.25	
40 05 23 23-0820	EA	1-1/2", Type 316, Schedule 10 Stainless Steel Cap	114.35	41.83
		For Work In Restricted Working Space, Add	27.89	
40 05 23 23-0821	EA	2", Type 316, Schedule 10 Stainless Steel Cap	120.21	46.53
		For Work In Restricted Working Space, Add	31.02	
40 05 23 23-0822	EA	2-1/2", Type 316, Schedule 10 Stainless Steel Cap	150.13	59.56
		For Work In Restricted Working Space, Add	39.71	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 23 23-0823	EA	3", Type 316, Schedule 10 Stainless Steel Cap.....	177.73	69.81
		<i>For Work In Restricted Working Space, Add</i>	46.54	
40 05 23 23-0824	EA	4", Type 316, Schedule 10 Stainless Steel Cap.....	212.86	83.55
		<i>For Work In Restricted Working Space, Add</i>	55.70	
40 05 23 23-0825	EA	6", Type 316, Schedule 10 Stainless Steel Cap.....	277.52	104.55
		<i>For Work In Restricted Working Space, Add</i>	69.70	
40 05 23 23-0826	EA	8", Type 316, Schedule 10 Stainless Steel Cap.....	465.16	172.80
		<i>For Work In Restricted Working Space, Add</i>	115.20	
40 05 23 23-0827	EA	10", Type 316, Schedule 10 Stainless Steel Cap.....	617.07	230.41
		<i>For Work In Restricted Working Space, Add</i>	153.60	
40 05 23 23-0828	EA	12", Type 316, Schedule 10 Stainless Steel Cap.....	908.81	345.59
		<i>For Work In Restricted Working Space, Add</i>	230.40	
40 05 23 23-0829	EA	14", Type 316, Schedule 10 Stainless Steel Cap.....	1,057.00	403.21
		<i>For Work In Restricted Working Space, Add</i>	268.80	
40 05 23 23-0830	EA	16", Type 316, Schedule 10 Stainless Steel Cap.....	1,215.39	459.93
		<i>For Work In Restricted Working Space, Add</i>	306.62	
40 05 23 23-0831	EA	18", Type 316, Schedule 10 Stainless Steel Cap.....	1,531.83	576.01
		<i>For Work In Restricted Working Space, Add</i>	384.01	
40 05 23 23-0832	EA	20", Type 316, Schedule 10 Stainless Steel Cap.....	2,122.30	806.42
		<i>For Work In Restricted Working Space, Add</i>	537.61	
40 05 23 23-0833	EA	24", Type 316, Schedule 10 Stainless Steel Cap.....	3,207.52	1,152.01
		<i>For Work In Restricted Working Space, Add</i>	768.01	

40 05 23 23-0834 Type 316, Schedule 40 Stainless Steel Pipe And Butt Weld Fittings (40 05 23 23-0231)

40 05 23 23-0835 Type 316, Schedule 40 Stainless Steel Pipe (40 05 23 23-0834)

40 05 23 23-0836	LF	1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	31.91	5.22
		<i>For Work In Restricted Working Space, Add</i>	3.14	
40 05 23 23-0837	LF	3/4" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	38.70	6.39
		<i>For Work In Restricted Working Space, Add</i>	3.83	
40 05 23 23-0838	LF	1" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	47.90	7.55
		<i>For Work In Restricted Working Space, Add</i>	4.50	
40 05 23 23-0839	LF	1-1/4" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	59.88	9.29
		<i>For Work In Restricted Working Space, Add</i>	5.62	
40 05 23 23-0840	LF	1-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	69.32	10.46
		<i>For Work In Restricted Working Space, Add</i>	6.34	
40 05 23 23-0841	LF	2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	89.46	13.36
		<i>For Work In Restricted Working Space, Add</i>	7.85	
40 05 23 23-0842	LF	2-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	112.89	15.10
		<i>For Work In Restricted Working Space, Add</i>	8.97	
40 05 23 23-0843	LF	3" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	106.73	16.85
		<i>For Work In Restricted Working Space, Add</i>	10.10	
40 05 23 23-0844	LF	4" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	187.60	19.75
		<i>For Work In Restricted Working Space, Add</i>	11.95	
40 05 23 23-0845	LF	6" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	299.17	26.14
		<i>For Work In Restricted Working Space, Add</i>	15.70	
40 05 23 23-0846	LF	8" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	520.93	45.39
		<i>For Work In Restricted Working Space, Add</i>	29.33	
40 05 23 23-0847	LF	10" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	671.76	50.18
		<i>For Work In Restricted Working Space, Add</i>	32.26	
40 05 23 23-0848	LF	12" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	848.28	55.56
		<i>For Work In Restricted Working Space, Add</i>	35.84	

40 05 23 23-0849 Type 316, Schedule 40 Stainless Steel Butt Weld 90 Degree Elbows (40 05 23 23-0834)

40 05 23 23-0850	EA	1/2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	140.66	59.59
		<i>For Work In Restricted Working Space, Add</i>	39.72	
40 05 23 23-0851	EA	3/4", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	148.80	63.25
		<i>For Work In Restricted Working Space, Add</i>	42.17	
40 05 23 23-0852	EA	1", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	163.94	69.51
		<i>For Work In Restricted Working Space, Add</i>	46.34	
40 05 23 23-0853	EA	1-1/4", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	178.57	75.76
		<i>For Work In Restricted Working Space, Add</i>	50.51	
40 05 23 23-0854	EA	1-1/2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	196.91	83.65
		<i>For Work In Restricted Working Space, Add</i>	55.77	
40 05 23 23-0855	EA	2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	222.11	93.08
		<i>For Work In Restricted Working Space, Add</i>	62.05	
40 05 23 23-0856	EA	2-1/2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	296.17	119.12
		<i>For Work In Restricted Working Space, Add</i>	79.41	
40 05 23 23-0857	EA	3", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	351.18	139.61
		<i>For Work In Restricted Working Space, Add</i>	93.08	
40 05 23 23-0858	EA	4", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	446.49	167.10
		<i>For Work In Restricted Working Space, Add</i>	111.41	
40 05 23 23-0859	EA	6", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	693.57	208.75
		<i>For Work In Restricted Working Space, Add</i>	139.17	
40 05 23 23-0860	EA	8", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	1,199.79	345.61
		<i>For Work In Restricted Working Space, Add</i>	230.40	
40 05 23 23-0861	EA	10", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	1,967.09	460.80
		<i>For Work In Restricted Working Space, Add</i>	307.21	
40 05 23 23-0862	EA	12", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	2,802.05	691.21
		<i>For Work In Restricted Working Space, Add</i>	460.81	
40 05 23 23-0863	EA	14", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	3,131.55	806.42
		<i>For Work In Restricted Working Space, Add</i>	537.61	
40 05 23 23-0864	EA	16", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	3,803.76	919.85
		<i>For Work In Restricted Working Space, Add</i>	613.24	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0865	EA	18", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	4,857.69 768.01	1,152.02
40 05 23 23-0866	EA	20", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	6,557.54 1,075.22	1,612.82
40 05 23 23-0867	EA	24", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	9,519.20 1,536.02	2,304.03
40 05 23 23-0868 Type 316, Schedule 40 Stainless Steel Butt Weld 45 Degree Elbows (40 05 23 23-0834)				
40 05 23 23-0869	EA	1/2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	143.71 39.72	59.59
40 05 23 23-0870	EA	3/4", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	151.85 42.17	63.25
40 05 23 23-0871	EA	1", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	165.77 46.34	69.51
40 05 23 23-0872	EA	1-1/4", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	179.46 50.51	75.76
40 05 23 23-0873	EA	1-1/2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	198.74 55.77	83.65
40 05 23 23-0874	EA	2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	222.11 62.05	93.08
40 05 23 23-0875	EA	2-1/2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	296.17 79.41	119.12
40 05 23 23-0876	EA	3", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	339.27 93.08	139.61
40 05 23 23-0877	EA	4", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	423.88 111.41	167.10
40 05 23 23-0878	EA	6", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	600.72 139.17	208.75
40 05 23 23-0879	EA	8", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,036.20 230.40	345.61
40 05 23 23-0880	EA	10", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,590.08 307.21	460.80
40 05 23 23-0881	EA	12", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,297.34 460.81	691.21
40 05 23 23-0882	EA	14", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,609.19 537.61	806.42
40 05 23 23-0883	EA	16", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,946.78 613.24	919.85
40 05 23 23-0884	EA	18", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	3,790.81 768.01	1,152.02
40 05 23 23-0885	EA	20", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	5,150.21 1,075.22	1,612.82
40 05 23 23-0886	EA	24", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	7,639.76 1,536.02	2,304.03
40 05 23 23-0887 Type 316, Schedule 40 Stainless Steel Butt Weld Tees (40 05 23 23-0834)				
40 05 23 23-0888	EA	1/2", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	190.90 50.49	75.73
40 05 23 23-0889	EA	3/4", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	229.20 61.98	92.98
40 05 23 23-0890	EA	1", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	254.73 69.64	104.47
40 05 23 23-0891	EA	1-1/4", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	293.36 79.41	119.12
40 05 23 23-0892	EA	1-1/2", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	306.75 85.25	127.87
40 05 23 23-0893	EA	2", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	334.35 92.98	139.46
40 05 23 23-0894	EA	2-1/2", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	416.44 111.41	167.10
40 05 23 23-0895	EA	3", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	514.25 139.61	209.42
40 05 23 23-0896	EA	4", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	595.60 156.69	235.04
40 05 23 23-0897	EA	6", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	939.22 208.92	313.38
40 05 23 23-0898	EA	8", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	1,622.40 307.21	460.80
40 05 23 23-0899	EA	10", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	2,733.10 460.81	691.21
40 05 23 23-0900	EA	12", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	3,360.54 576.01	864.01
40 05 23 23-0901	EA	14", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	4,820.04 692.20	1,038.30
40 05 23 23-0902	EA	16", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	5,973.00 844.41	1,266.61
40 05 23 23-0903	EA	18", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	7,737.30 1,075.22	1,612.82
40 05 23 23-0904	EA	20", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	10,051.44 1,414.76	2,122.14
40 05 23 23-0905	EA	24", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	14,394.12 2,150.43	3,225.65
40 05 23 23-0906 Type 316, Schedule 40 Stainless Steel Butt Weld Reducing Tees (40 05 23 23-0834)				

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 23 23-0907	EA 3/4", Type 316, Schedule 40 Stainless Steel Reducing Tee.....	185.81	63.27
	<i>For Work In Restricted Working Space, Add</i>	42.18	
40 05 23 23-0908	EA 1", Type 316, Schedule 40 Stainless Steel Reducing Tee.....	217.50	77.53
	<i>For Work In Restricted Working Space, Add</i>	51.69	
40 05 23 23-0909	EA 1-1/4", Type 316, Schedule 40 Stainless Steel Reducing Tee.....	286.45	87.12
	<i>For Work In Restricted Working Space, Add</i>	58.08	
40 05 23 23-0910	EA 1-1/2", Type 316, Schedule 40 Stainless Steel Reducing Tee.....	277.21	99.31
	<i>For Work In Restricted Working Space, Add</i>	66.21	
40 05 23 23-0911	EA 2", Type 316, Schedule 40 Stainless Steel Reducing Tee.....	284.20	106.71
	<i>For Work In Restricted Working Space, Add</i>	71.15	
40 05 23 23-0912	EA 2-1/2", Type 316, Schedule 40 Stainless Steel Reducing Tee.....	391.93	116.30
	<i>For Work In Restricted Working Space, Add</i>	77.54	
40 05 23 23-0913	EA 3", Type 316, Schedule 40 Stainless Steel Reducing Tee.....	390.43	139.40
	<i>For Work In Restricted Working Space, Add</i>	92.94	
40 05 23 23-0914	EA 4", Type 316, Schedule 40 Stainless Steel Reducing Tee.....	522.51	174.24
	<i>For Work In Restricted Working Space, Add</i>	116.16	
40 05 23 23-0915	EA 6", Type 316, Schedule 40 Stainless Steel Reducing Tee.....	732.57	199.09
	<i>For Work In Restricted Working Space, Add</i>	132.72	
40 05 23 23-0916	EA 8", Type 316, Schedule 40 Stainless Steel Reducing Tee.....	1,238.39	288.00
	<i>For Work In Restricted Working Space, Add</i>	192.00	
40 05 23 23-0917	EA 10", Type 316, Schedule 40 Stainless Steel Reducing Tee.....	2,618.47	384.01
	<i>For Work In Restricted Working Space, Add</i>	256.01	
40 05 23 23-0918	EA 12", Type 316, Schedule 40 Stainless Steel Reducing Tee.....	3,450.87	576.01
	<i>For Work In Restricted Working Space, Add</i>	384.01	
40 05 23 23-0919	EA 14", Type 316, Schedule 40 Stainless Steel Reducing Tee.....	3,919.71	692.01
	<i>For Work In Restricted Working Space, Add</i>	461.33	
40 05 23 23-0920	EA 16", Type 316, Schedule 40 Stainless Steel Reducing Tee.....	4,858.91	844.12
	<i>For Work In Restricted Working Space, Add</i>	562.74	
40 05 23 23-0921	EA 18", Type 316, Schedule 40 Stainless Steel Reducing Tee.....	6,279.48	1,075.22
	<i>For Work In Restricted Working Space, Add</i>	716.81	
40 05 23 23-0922	EA 20", Type 316, Schedule 40 Stainless Steel Reducing Tee.....	8,969.43	1,414.76
	<i>For Work In Restricted Working Space, Add</i>	943.17	
40 05 23 23-0923	EA 24", Type 316, Schedule 40 Stainless Steel Reducing Tee.....	14,052.72	2,148.52
	<i>For Work In Restricted Working Space, Add</i>	1,432.35	

40 05 23 23-0924 Type 316, Schedule 40 Stainless Steel Butt Weld Reducers (40 05 23 23-0834)

40 05 23 23-0925	EA 3/4", Type 316, Schedule 40 Stainless Steel Concentric Reducer.....	145.89	57.55
	<i>For Work In Restricted Working Space, Add</i>	38.36	
40 05 23 23-0926	EA 1", Type 316, Schedule 40 Stainless Steel Concentric Reducer.....	160.41	62.70
	<i>For Work In Restricted Working Space, Add</i>	41.80	
40 05 23 23-0927	EA 1-1/4", Type 316, Schedule 40 Stainless Steel Concentric Reducer.....	175.79	69.51
	<i>For Work In Restricted Working Space, Add</i>	46.34	
40 05 23 23-0928	EA 1-1/2", Type 316, Schedule 40 Stainless Steel Concentric Reducer.....	187.29	75.76
	<i>For Work In Restricted Working Space, Add</i>	50.51	
40 05 23 23-0929	EA 2", Type 316, Schedule 40 Stainless Steel Concentric Reducer.....	201.18	83.65
	<i>For Work In Restricted Working Space, Add</i>	55.77	
40 05 23 23-0930	EA 2-1/2", Type 316, Schedule 40 Stainless Steel Concentric Reducer.....	271.72	104.55
	<i>For Work In Restricted Working Space, Add</i>	69.70	
40 05 23 23-0931	EA 3", Type 316, Schedule 40 Stainless Steel Concentric Reducer.....	291.98	119.02
	<i>For Work In Restricted Working Space, Add</i>	79.35	
40 05 23 23-0932	EA 4", Type 316, Schedule 40 Stainless Steel Concentric Reducer.....	337.41	139.46
	<i>For Work In Restricted Working Space, Add</i>	92.98	
40 05 23 23-0933	EA 6", Type 316, Schedule 40 Stainless Steel Concentric Reducer.....	464.20	177.55
	<i>For Work In Restricted Working Space, Add</i>	118.37	
40 05 23 23-0934	EA 8", Type 316, Schedule 40 Stainless Steel Concentric Reducer.....	778.36	276.48
	<i>For Work In Restricted Working Space, Add</i>	184.33	
40 05 23 23-0935	EA 10", Type 316, Schedule 40 Stainless Steel Concentric Reducer.....	1,045.44	345.61
	<i>For Work In Restricted Working Space, Add</i>	230.40	
40 05 23 23-0936	EA 12", Type 316, Schedule 40 Stainless Steel Concentric Reducer.....	1,324.20	460.80
	<i>For Work In Restricted Working Space, Add</i>	307.21	
40 05 23 23-0937	EA 14", Type 316, Schedule 40 Stainless Steel Concentric Reducer.....	1,922.85	604.81
	<i>For Work In Restricted Working Space, Add</i>	403.21	
40 05 23 23-0938	EA 16", Type 316, Schedule 40 Stainless Steel Concentric Reducer.....	2,216.47	689.24
	<i>For Work In Restricted Working Space, Add</i>	459.49	
40 05 23 23-0939	EA 18", Type 316, Schedule 40 Stainless Steel Concentric Reducer.....	2,965.30	864.01
	<i>For Work In Restricted Working Space, Add</i>	576.01	
40 05 23 23-0940	EA 20", Type 316, Schedule 40 Stainless Steel Concentric Reducer.....	4,023.16	1,152.02
	<i>For Work In Restricted Working Space, Add</i>	768.01	
40 05 23 23-0941	EA 24", Type 316, Schedule 40 Stainless Steel Concentric Reducer.....	5,765.29	1,728.03
	<i>For Work In Restricted Working Space, Add</i>	1,152.02	
40 05 23 23-0942	EA 3/4", Type 316, Schedule 40 Stainless Steel Eccentric Reducer.....	180.40	57.55
	<i>For Work In Restricted Working Space, Add</i>	38.36	
40 05 23 23-0943	EA 1", Type 316, Schedule 40 Stainless Steel Eccentric Reducer.....	191.87	62.70
	<i>For Work In Restricted Working Space, Add</i>	41.80	
40 05 23 23-0944	EA 1-1/4", Type 316, Schedule 40 Stainless Steel Eccentric Reducer.....	222.89	69.51
	<i>For Work In Restricted Working Space, Add</i>	46.34	
40 05 23 23-0945	EA 1-1/2", Type 316, Schedule 40 Stainless Steel Eccentric Reducer.....	230.35	75.76
	<i>For Work In Restricted Working Space, Add</i>	50.51	
40 05 23 23-0946	EA 2", Type 316, Schedule 40 Stainless Steel Eccentric Reducer.....	247.00	83.65
	<i>For Work In Restricted Working Space, Add</i>	55.77	
40 05 23 23-0947	EA 2-1/2", Type 316, Schedule 40 Stainless Steel Eccentric Reducer.....	294.32	104.55
	<i>For Work In Restricted Working Space, Add</i>	69.70	
40 05 23 23-0948	EA 3", Type 316, Schedule 40 Stainless Steel Eccentric Reducer.....	380.25	119.02
	<i>For Work In Restricted Working Space, Add</i>	79.35	
40 05 23 23-0949	EA 4", Type 316, Schedule 40 Stainless Steel Eccentric Reducer.....	413.16	139.46
	<i>For Work In Restricted Working Space, Add</i>	92.98	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0950	EA	6", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	588.51 118.37	177.55
40 05 23 23-0951	EA	8", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	871.38 184.33	276.48
40 05 23 23-0952	EA	10", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,249.94 230.40	345.61
40 05 23 23-0953	EA	12", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,733.23 307.21	460.80
40 05 23 23-0954	EA	14", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	2,610.07 403.21	604.81
40 05 23 23-0955	EA	16", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	3,007.60 459.49	689.24
40 05 23 23-0956	EA	18", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	4,046.78 576.01	864.01
40 05 23 23-0957	EA	20", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	5,199.80 768.01	1,152.02
40 05 23 23-0958	EA	24", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	7,795.30 1,152.02	1,728.03
40 05 23 23-0959 Type 316, Schedule 40 Stainless Steel Butt Weld Caps (40 05 23 23-0834)				
40 05 23 23-0960	EA	1/2", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	80.26 19.86	29.80
40 05 23 23-0961	EA	3/4", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	87.99 21.08	31.62
40 05 23 23-0962	EA	1", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	97.40 23.17	34.75
40 05 23 23-0963	EA	1-1/4", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	111.49 25.25	37.88
40 05 23 23-0964	EA	1-1/2", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	109.77 27.89	41.83
40 05 23 23-0965	EA	2", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	124.48 31.02	46.53
40 05 23 23-0966	EA	2-1/2", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	155.68 39.71	59.56
40 05 23 23-0967	EA	3", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	178.65 46.54	69.81
40 05 23 23-0968	EA	4", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	219.58 55.70	83.55
40 05 23 23-0969	EA	6", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	305.62 69.70	104.55
40 05 23 23-0970	EA	8", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	517.94 115.20	172.80
40 05 23 23-0971	EA	10", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	694.74 153.60	230.41
40 05 23 23-0972	EA	12", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	1,035.85 230.40	345.59
40 05 23 23-0973	EA	14", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	1,180.12 268.80	403.21
40 05 23 23-0974	EA	16", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	1,325.66 306.62	459.93
40 05 23 23-0975	EA	18", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	1,693.30 384.01	576.01
40 05 23 23-0976	EA	20", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	2,325.57 537.61	806.42
40 05 23 23-0977	EA	24", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	3,603.38 768.01	1,152.01
40 05 23 23-0978 Valves (40 05 23 23-0231)				
40 05 23 23-0979 Gate Valves, Class 150 (40 05 23 23-0978)				
40 05 23 23-0980	EA	1/2" Gate Valve, Stainless Steel, Flanged <i>For Class 200, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	707.45 -169.29 22.37 594.90	59.67
40 05 23 23-0981	EA	3/4" Gate Valve, Stainless Steel, Flanged <i>For Class 200, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	768.25 -182.23 26.11 640.36	62.15
40 05 23 23-0982	EA	1" Gate Valve, Stainless Steel, Flanged <i>For Class 200, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	946.13 -221.72 35.18 779.13	93.23
40 05 23 23-0983	EA	1-1/4" Gate Valve, Stainless Steel, Flanged <i>For Class 200, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	1,193.80 -283.20 40.54 995.16	108.77
40 05 23 23-0984	EA	1-1/2" Gate Valve, Stainless Steel, Flanged <i>For Class 200, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	1,344.72 -313.93 51.35 1,103.16	136.92
40 05 23 23-0985	EA	2" Gate Valve, Stainless Steel, Flanged <i>For Class 200, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	1,596.01 -371.51 62.15 1,305.50	165.71
40 05 23 23-0986	EA	2-1/2" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	2,298.03 67.80 1,947.70	180.25

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 23 23-0987	EA	3" Gate Valve, Stainless Steel, Flanged	2,587.58	211.33
		<i>For Work In Restricted Working Space, Add</i>	79.34	
		<i>For Class 300, Add</i>	2,183.71	
40 05 23 23-0988	EA	4" Gate Valve, Stainless Steel, Flanged	3,415.76	354.28
		<i>For Work In Restricted Working Space, Add</i>	133.19	
		<i>For Class 300, Add</i>	2,793.49	
40 05 23 23-0989	EA	6" Gate Valve, Stainless Steel, Flanged	5,727.10	447.51
		<i>For Work In Restricted Working Space, Add</i>	168.42	
		<i>For Class 300, Add</i>	4,855.76	
40 05 23 23-0990	EA	8" Gate Valve, Stainless Steel, Flanged	12,531.49	571.82
		<i>For Work In Restricted Working Space, Add</i>	213.10	
		<i>For Class 300, Add</i>	11,111.89	
40 05 23 23-0991	EA	10" Gate Valve, Stainless Steel, Flanged	17,670.41	696.13
		<i>For Work In Restricted Working Space, Add</i>	261.05	
		<i>For Class 300, Add</i>	15,792.24	
40 05 23 23-0992	EA	12" Gate Valve, Stainless Steel, Flanged	26,622.68	845.29
		<i>For Work In Restricted Working Space, Add</i>	316.42	
		<i>For Class 300, Add</i>	24,033.86	

40 05 23 23-0993 Globe Valves, Class 150 (40 05 23 23-0978)

40 05 23 23-0994	EA	1/2" Globe Valve, Stainless Steel, Flanged	968.60	59.67
		<i>For Work In Restricted Working Space, Add</i>	22.37	
		<i>For Class 200, Deduct</i>	-239.15	
		<i>For Class 300, Add</i>	840.38	
40 05 23 23-0995	EA	3/4" Globe Valve, Stainless Steel, Flanged	1,071.73	62.15
		<i>For Work In Restricted Working Space, Add</i>	26.11	
		<i>For Class 200, Deduct</i>	-263.41	
		<i>For Class 300, Add</i>	925.63	
40 05 23 23-0996	EA	1" Globe Valve, Stainless Steel, Flanged	1,335.20	93.23
		<i>For Work In Restricted Working Space, Add</i>	35.18	
		<i>For Class 200, Deduct</i>	-325.80	
		<i>For Class 300, Add</i>	1,144.85	
40 05 23 23-0997	EA	1-1/2" Globe Valve, Stainless Steel, Flanged	1,985.09	136.92
		<i>For Work In Restricted Working Space, Add</i>	51.35	
		<i>For Class 200, Deduct</i>	-485.23	
		<i>For Class 300, Add</i>	1,705.10	
40 05 23 23-0998	EA	2" Globe Valve, Stainless Steel, Flanged	2,422.79	165.71
		<i>For Work In Restricted Working Space, Add</i>	62.15	
		<i>For Class 200, Deduct</i>	-592.68	
		<i>For Class 300, Add</i>	2,082.67	
40 05 23 23-0999	EA	2-1/2" Globe Valve, Stainless Steel, Flanged	4,890.46	180.25
		<i>For Work In Restricted Working Space, Add</i>	67.80	
		<i>For Class 300, Add</i>	4,384.58	
40 05 23 23-1000	EA	3" Globe Valve, Stainless Steel, Flanged	5,058.50	211.33
		<i>For Work In Restricted Working Space, Add</i>	79.34	
		<i>For Class 300, Add</i>	4,506.38	
40 05 23 23-1001	EA	4" Globe Valve, Stainless Steel, Flanged	6,015.37	354.28
		<i>For Work In Restricted Working Space, Add</i>	133.19	
		<i>For Class 300, Add</i>	5,237.13	
40 05 23 23-1002	EA	6" Globe Valve, Stainless Steel, Flanged	11,121.17	447.51
		<i>For Work In Restricted Working Space, Add</i>	168.42	
		<i>For Class 300, Add</i>	9,926.18	

40 05 23 23-1003 Check Valves, Class 150 (40 05 23 23-0978)

40 05 23 23-1004	EA	2-1/2" Check Valve, Stainless Steel, Flanged	2,198.60	180.25
		<i>For Class 300, Add</i>	1,854.23	
		<i>For Work In Restricted Working Space, Add</i>	67.80	
40 05 23 23-1005	EA	3" Check Valve, Stainless Steel, Flanged	2,298.58	211.33
		<i>For Class 300, Add</i>	1,912.05	
		<i>For Work In Restricted Working Space, Add</i>	79.34	
40 05 23 23-1006	EA	4" Check Valve, Stainless Steel, Flanged	3,609.62	354.28
		<i>For Class 300, Add</i>	2,975.72	
		<i>For Work In Restricted Working Space, Add</i>	133.19	
40 05 23 23-1007	EA	6" Check Valve, Stainless Steel, Flanged	6,219.18	447.51
		<i>For Class 300, Add</i>	5,318.31	
		<i>For Work In Restricted Working Space, Add</i>	168.42	
40 05 23 23-1008	EA	8" Check Valve, Stainless Steel, Flanged	10,948.20	571.82
		<i>For Class 300, Add</i>	9,623.60	
		<i>For Work In Restricted Working Space, Add</i>	213.10	

40 05 23 23-1009 Stainless Steel Thread-O-Let Fittings (40 05 23 23-0231)

40 05 23 23-1010	EA	1/2", Stainless Steel Thread-o-let Fitting	95.73	36.08
		<i>For Work In Restricted Working Space, Add</i>	24.06	
40 05 23 23-1011	EA	3/4", Stainless Steel Thread-o-let Fitting	126.34	48.12
		<i>For Work In Restricted Working Space, Add</i>	32.08	
40 05 23 23-1012	EA	1", Stainless Steel Thread-o-let Fitting	155.71	59.67
		<i>For Work In Restricted Working Space, Add</i>	39.78	
40 05 23 23-1013	EA	1-1/4", Stainless Steel Thread-o-let Fitting	223.50	84.43
		<i>For Work In Restricted Working Space, Add</i>	56.29	
40 05 23 23-1014	EA	1-1/2", Stainless Steel Thread-o-let Fitting	247.45	95.22
		<i>For Work In Restricted Working Space, Add</i>	63.48	
40 05 23 23-1015	EA	2", Stainless Steel Thread-o-let Fitting	309.62	120.96
		<i>For Work In Restricted Working Space, Add</i>	80.63	
40 05 23 23-1016	EA	2-1/2", Stainless Steel Thread-o-let Fitting	551.34	186.46
		<i>For Work In Restricted Working Space, Add</i>	124.31	

MINOR		DESCRIPTION	TOTAL DIRECT		DEMOLITION
CSI	UOM		UNIT	COST	
40 05 23 23-1017	EA	3", Stainless Steel Thread-o-let Fitting..... <i>For Work In Restricted Working Space, Add</i>		737.78 158.69	238.04
40 05 23 23-1018	EA	4", Stainless Steel Thread-o-let Fitting..... <i>For Work In Restricted Working Space, Add</i>		971.85 198.89	298.34
40 05 23 23-1019 Stainless Steel Flanges (40 05 23 23-0231)					
40 05 23 23-1020 150#, Type 304 Stainless Steel Raised Face Threaded Flange (40 05 23 23-1019)					
40 05 23 23-1021	EA	1/2", 150#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>		80.28 12.03	20.06
40 05 23 23-1022	EA	3/4", 150#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>		98.10 16.04	26.74
40 05 23 23-1023	EA	1", 150#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>		116.31 19.89	33.15
40 05 23 23-1024	EA	1-1/4", 150#, Type 304 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>		157.21 28.14	46.92
40 05 23 23-1025	EA	1-1/2", 150#, Type 304 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>		169.20 31.74	52.90
40 05 23 23-1026	EA	2", 150#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>		217.45 40.32	67.19
40 05 23 23-1027	EA	2-1/2", 150#, Type 304 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>		323.25 62.15	103.55
40 05 23 23-1028	EA	3", 150#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>		385.92 79.34	211.33
40 05 23 23-1029	EA	4", 150#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>		497.57 99.45	165.71
40 05 23 23-1030 300#, Type 304 Stainless Steel Raised Face Threaded Flange (40 05 23 23-1019)					
40 05 23 23-1031	EA	1/2", 300#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>		103.50 12.03	20.06
40 05 23 23-1032	EA	3/4", 300#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>		116.86 16.04	26.74
40 05 23 23-1033	EA	1", 300#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>		129.70 19.89	33.15
40 05 23 23-1034	EA	1-1/4", 300#, Type 304 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>		191.17 28.14	46.92
40 05 23 23-1035	EA	1-1/2", 300#, Type 304 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>		203.16 31.74	52.90
40 05 23 23-1036	EA	2", 300#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>		252.27 40.32	67.19
40 05 23 23-1037	EA	2-1/2", 300#, Type 304 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>		400.95 62.15	103.55
40 05 23 23-1038	EA	3", 300#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>		465.38 79.34	211.33
40 05 23 23-1039	EA	4", 300#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>		619.91 99.45	165.71
40 05 23 23-1040 150#, Type 304 Stainless Steel Raised Face Weld Neck Flange (40 05 23 23-1019)					
40 05 23 23-1041	EA	1/2", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>		106.39 19.86	29.79
40 05 23 23-1042	EA	3/4", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>		114.91 21.08	31.62
40 05 23 23-1043	EA	1", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>		129.02 23.18	34.75
40 05 23 23-1044	EA	1-1/4", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>		158.39 25.28	37.90
40 05 23 23-1045	EA	1-1/2", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>		166.99 27.86	41.79
40 05 23 23-1046	EA	2", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>		185.60 31.03	46.55
40 05 23 23-1047	EA	2-1/2", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>		256.42 39.68	59.52
40 05 23 23-1048	EA	3", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>		290.60 46.46	69.68
40 05 23 23-1049	EA	4", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>		374.86 55.67	83.49
40 05 23 23-1050	EA	6", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>		558.64 69.55	104.32
40 05 23 23-1051	EA	8", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>		937.59 115.20	172.80
40 05 23 23-1052	EA	10", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>		1,328.98 153.60	230.40
40 05 23 23-1053	EA	12", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>		2,043.01 230.40	345.59
40 05 23 23-1054	EA	14", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>		2,552.88 268.80	403.21
40 05 23 23-1055	EA	16", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>		3,184.18 306.62	459.93
40 05 23 23-1056	EA	18", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>		3,906.52 384.01	576.01
40 05 23 23-1057	EA	20", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>		5,064.25 537.61	806.42
40 05 23 23-1058	EA	24", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>		7,197.07 768.01	1,152.01

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 23 23-1059		300#, Type 304 Stainless Steel Raised Face Weld Neck Flange (40 05 23 23-1019)			
40 05 23 23-1060	EA	1/2" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	134.08	29.79	
		For Work In Restricted Working Space, Add	19.86		
40 05 23 23-1061	EA	3/4" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	138.14	31.62	
		For Work In Restricted Working Space, Add	21.08		
40 05 23 23-1062	EA	1" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	145.12	34.75	
		For Work In Restricted Working Space, Add	23.18		
40 05 23 23-1063	EA	1-1/4" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	189.59	37.90	
		For Work In Restricted Working Space, Add	25.28		
40 05 23 23-1064	EA	1-1/2" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	198.19	41.79	
		For Work In Restricted Working Space, Add	27.86		
40 05 23 23-1065	EA	2" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	212.39	46.55	
		For Work In Restricted Working Space, Add	31.03		
40 05 23 23-1066	EA	2-1/2" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	302.82	59.52	
		For Work In Restricted Working Space, Add	39.68		
40 05 23 23-1067	EA	3" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	342.37	69.68	
		For Work In Restricted Working Space, Add	46.46		
40 05 23 23-1068	EA	4" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	496.25	83.49	
		For Work In Restricted Working Space, Add	55.67		
40 05 23 23-1069	EA	6" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	696.13	104.32	
		For Work In Restricted Working Space, Add	69.55		
40 05 23 23-1070	EA	8" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	1,280.44	172.80	
		For Work In Restricted Working Space, Add	115.20		
40 05 23 23-1071	EA	10" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	1,781.68	230.40	
		For Work In Restricted Working Space, Add	153.60		
40 05 23 23-1072	EA	12" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	2,618.06	345.59	
		For Work In Restricted Working Space, Add	230.40		
40 05 23 23-1073	EA	14" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	3,461.91	403.21	
		For Work In Restricted Working Space, Add	268.80		
40 05 23 23-1074	EA	16" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	4,271.27	459.93	
		For Work In Restricted Working Space, Add	306.62		
40 05 23 23-1075	EA	18" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	5,454.50	576.01	
		For Work In Restricted Working Space, Add	384.01		
40 05 23 23-1076	EA	20" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	7,044.83	806.42	
		For Work In Restricted Working Space, Add	537.61		
40 05 23 23-1077	EA	24" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	10,255.96	1,152.01	
		For Work In Restricted Working Space, Add	768.01		
40 05 23 23-1078		150#, Type 304 Stainless Steel Raised Face Slip-On Flanges (40 05 23 23-1019)			
40 05 23 23-1079	EA	1/2", 150#, Type 304 Stainless Steel Slip-On Flange	168.12	59.58	
		For Work In Restricted Working Space, Add	39.72		
40 05 23 23-1080	EA	3/4", 150#, Type 304 Stainless Steel Slip-On Flange	177.17	63.24	
		For Work In Restricted Working Space, Add	42.17		
40 05 23 23-1081	EA	1", 150#, Type 304 Stainless Steel Slip-On Flange	194.66	69.51	
		For Work In Restricted Working Space, Add	46.34		
40 05 23 23-1082	EA	1-1/4", 150#, Type 304 Stainless Steel Slip-On Flange	222.96	75.81	
		For Work In Restricted Working Space, Add	50.55		
40 05 23 23-1083	EA	1-1/2", 150#, Type 304 Stainless Steel Slip-On Flange	240.19	83.56	
		For Work In Restricted Working Space, Add	55.72		
40 05 23 23-1084	EA	2", 150#, Type 304 Stainless Steel Slip-On Flange	277.45	93.09	
		For Work In Restricted Working Space, Add	62.06		
40 05 23 23-1085	EA	2-1/2", 150#, Type 304 Stainless Steel Slip-On Flange	363.68	119.04	
		For Work In Restricted Working Space, Add	79.37		
40 05 23 23-1086	EA	3", 150#, Type 304 Stainless Steel Slip-On Flange	416.02	139.37	
		For Work In Restricted Working Space, Add	92.92		
40 05 23 23-1087	EA	4", 150#, Type 304 Stainless Steel Slip-On Flange	515.78	167.00	
		For Work In Restricted Working Space, Add	111.34		
40 05 23 23-1088	EA	6", 150#, Type 304 Stainless Steel Slip-On Flange	684.24	208.64	
		For Work In Restricted Working Space, Add	139.10		
40 05 23 23-1089	EA	8", 150#, Type 304 Stainless Steel Slip-On Flange	1,185.00	345.59	
		For Work In Restricted Working Space, Add	230.40		
40 05 23 23-1090	EA	10" 150#, Type 304 Stainless Steel Raised Face Slip-On Flange	1,671.35	460.80	
		For Work In Restricted Working Space, Add	307.21		
40 05 23 23-1091	EA	12" 150#, Type 304 Stainless Steel Raised Face Slip-On Flange	2,492.29	691.20	
		For Work In Restricted Working Space, Add	460.81		
40 05 23 23-1092		300#, Type 304 Stainless Steel Raised Face Slip-On Flanges (40 05 23 23-1019)			
40 05 23 23-1093	EA	1/2" 300#, Type 304 Stainless Steel Raised Neck Slip-On Flange	185.98	59.58	
		For Work In Restricted Working Space, Add	39.72		
40 05 23 23-1094	EA	3/4" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	194.12	63.24	
		For Work In Restricted Working Space, Add	42.17		
40 05 23 23-1095	EA	1" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	208.05	69.51	
		For Work In Restricted Working Space, Add	46.34		
40 05 23 23-1096	EA	1-1/4" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	250.65	75.81	
		For Work In Restricted Working Space, Add	50.55		
40 05 23 23-1097	EA	1-1/2" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	267.88	83.56	
		For Work In Restricted Working Space, Add	55.72		
40 05 23 23-1098	EA	2" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	296.17	93.09	
		For Work In Restricted Working Space, Add	62.06		
40 05 23 23-1099	EA	2-1/2" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	433.35	119.04	
		For Work In Restricted Working Space, Add	79.37		
40 05 23 23-1100	EA	3" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	485.64	139.37	
		For Work In Restricted Working Space, Add	92.92		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1101	EA	4" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	612.20 111.34	167.00
40 05 23 23-1102	EA	6" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	956.56 139.10	208.64
40 05 23 23-1103	EA	8" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	1,459.99 230.40	345.59
40 05 23 23-1104	EA	10" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	2,114.22 307.21	460.80
40 05 23 23-1105	EA	12" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	3,061.97 460.81	691.20
40 05 23 23-1106 150#, Type 304 Stainless Steel Blind Flanges (40 05 23 23-1019)				
40 05 23 23-1107	EA	1/2", 150#, Type 304 Stainless Steel Raised Face Blind Flange..... <i>For Work In Restricted Working Space, Add</i>	64.58 7.94	11.91
40 05 23 23-1108	EA	3/4", 150#, Type 304 Stainless Steel Raised Face Blind Flange..... <i>For Work In Restricted Working Space, Add</i>	67.39 8.43	12.63
40 05 23 23-1109	EA	1", 150#, Type 304 Stainless Steel Raised Face Blind Flange..... <i>For Work In Restricted Working Space, Add</i>	72.88 9.27	13.89
40 05 23 23-1110	EA	1-1/4", 150#, Type 304 Stainless Steel Raised Face Blind Flange..... <i>For Work In Restricted Working Space, Add</i>	94.23 10.32	15.48
40 05 23 23-1111	EA	1-1/2", 150#, Type 304 Stainless Steel Raised Face Blind Flange..... <i>For Work In Restricted Working Space, Add</i>	106.31 13.94	20.91
40 05 23 23-1112	EA	2", 150#, Type 304 Stainless Steel Raised Face Blind Flange..... <i>For Work In Restricted Working Space, Add</i>	125.72 15.47	23.21
40 05 23 23-1113	EA	2-1/2", 150#, Type 304 Stainless Steel Raised Face Blind Flange..... <i>For Work In Restricted Working Space, Add</i>	171.67 19.90	29.84
40 05 23 23-1114	EA	3", 150#, Type 304 Stainless Steel Raised Face Blind Flange..... <i>For Work In Restricted Working Space, Add</i>	209.00 27.88	41.82
40 05 23 23-1115	EA	4", 150#, Type 304 Stainless Steel Raised Face Blind Flange..... <i>For Work In Restricted Working Space, Add</i>	317.36 46.45	69.67
40 05 23 23-1116	EA	6", 150#, Type 304 Stainless Steel Raised Face Blind Flange..... <i>For Work In Restricted Working Space, Add</i>	436.61 59.73	89.59
40 05 23 23-1117	EA	8", 150#, Type 304 Stainless Steel Raised Face Blind Flange..... <i>For Work In Restricted Working Space, Add</i>	673.78 71.68	107.52
40 05 23 23-1118	EA	10", 150#, Type 304 Stainless Steel Raised Face Blind Flange..... <i>For Work In Restricted Working Space, Add</i>	1,042.10 86.02	129.03
40 05 23 23-1119	EA	12", 150#, Type 304 Stainless Steel Raised Face Blind Flange..... <i>For Work In Restricted Working Space, Add</i>	1,380.75 107.52	161.28
40 05 23 23-1120	EA	14", 150#, Type 304 Stainless Steel Raised Face Blind Flange..... <i>For Work In Restricted Working Space, Add</i>	1,755.82 134.40	201.60
40 05 23 23-1121	EA	16", 150#, Type 304 Stainless Steel Raised Face Blind Flange..... <i>For Work In Restricted Working Space, Add</i>	2,270.47 153.31	229.97
40 05 23 23-1122	EA	18", 150#, Type 304 Stainless Steel Raised Face Blind Flange..... <i>For Work In Restricted Working Space, Add</i>	2,681.71 192.01	288.00
40 05 23 23-1123	EA	20", 150#, Type 304 Stainless Steel Raised Face Blind Flange..... <i>For Work In Restricted Working Space, Add</i>	3,558.67 268.80	403.21
40 05 23 23-1124	EA	24", 150#, Type 304 Stainless Steel Raised Face Blind Flange..... <i>For Work In Restricted Working Space, Add</i>	5,184.63 384.01	576.01
40 05 23 23-1125 300#, Type 304 Stainless Steel Blind Flanges (40 05 23 23-1019)				
40 05 23 23-1126	EA	1/2", 300#, Type 304 Stainless Steel Raised Face Blind Flange..... <i>For Work In Restricted Working Space, Add</i>	82.76 7.94	11.91
40 05 23 23-1127	EA	3/4", 300#, Type 304 Stainless Steel Raised Face Blind Flange..... <i>For Work In Restricted Working Space, Add</i>	84.39 8.43	12.63
40 05 23 23-1128	EA	1", 300#, Type 304 Stainless Steel Raised Face Blind Flange..... <i>For Work In Restricted Working Space, Add</i>	87.18 9.27	13.89
40 05 23 23-1129	EA	1-1/4", 300#, Type 304 Stainless Steel Raised Face Blind Flange..... <i>For Work In Restricted Working Space, Add</i>	111.19 10.32	15.48
40 05 23 23-1130	EA	1-1/2", 300#, Type 304 Stainless Steel Raised Face Blind Flange..... <i>For Work In Restricted Working Space, Add</i>	123.27 13.94	20.91
40 05 23 23-1131	EA	2", 300#, Type 304 Stainless Steel Raised Face Blind Flange..... <i>For Work In Restricted Working Space, Add</i>	134.64 15.47	23.21
40 05 23 23-1132	EA	2-1/2", 300#, Type 304 Stainless Steel Raised Face Blind Flange..... <i>For Work In Restricted Working Space, Add</i>	234.17 19.90	29.84
40 05 23 23-1133	EA	3", 300#, Type 304 Stainless Steel Raised Face Blind Flange..... <i>For Work In Restricted Working Space, Add</i>	267.49 27.88	41.82
40 05 23 23-1134	EA	4", 300#, Type 304 Stainless Steel Raised Face Blind Flange..... <i>For Work In Restricted Working Space, Add</i>	390.55 46.45	69.67
40 05 23 23-1135	EA	6", 300#, Type 304 Stainless Steel Raised Face Blind Flange..... <i>For Work In Restricted Working Space, Add</i>	738.39 59.73	89.59
40 05 23 23-1136	EA	8", 300#, Type 304 Stainless Steel Raised Face Blind Flange..... <i>For Work In Restricted Working Space, Add</i>	1,034.49 71.68	107.52
40 05 23 23-1137	EA	10", 300#, Type 304 Stainless Steel Raised Face Blind Flange..... <i>For Work In Restricted Working Space, Add</i>	1,481.36 86.02	129.03
40 05 23 23-1138	EA	12", 300#, Type 304 Stainless Steel Raised Face Blind Flange..... <i>For Work In Restricted Working Space, Add</i>	2,054.87 107.52	161.28
40 05 23 23-1139	EA	14", 300#, Type 304 Stainless Steel Raised Face Blind Flange..... <i>For Work In Restricted Working Space, Add</i>	2,880.17 134.40	201.60
40 05 23 23-1140	EA	16", 300#, Type 304 Stainless Steel Raised Face Blind Flange..... <i>For Work In Restricted Working Space, Add</i>	3,690.01 153.31	229.97
40 05 23 23-1141	EA	18", 300#, Type 304 Stainless Steel Raised Face Blind Flange..... <i>For Work In Restricted Working Space, Add</i>	4,818.09 192.01	288.00
40 05 23 23-1142	EA	20", 300#, Type 304 Stainless Steel Raised Face Blind Flange..... <i>For Work In Restricted Working Space, Add</i>	6,093.37 268.80	403.21
40 05 23 23-1143	EA	24", 300#, Type 304 Stainless Steel Raised Face Blind Flange..... <i>For Work In Restricted Working Space, Add</i>	9,353.59 384.01	576.01

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 23 23-1144 150#, Type 316 Stainless Steel Raised Face Threaded Flange (40 05 23 23-1019)			
40 05 23 23-1145	EA 1/2", 150#, Type 316 Stainless Steel Raised Face Threaded Flange.....	96.38	20.06
	For Work In Restricted Working Space, Add	12.03	
40 05 23 23-1146	EA 3/4", 150#, Type 316 Stainless Steel Raised Face Threaded Flange.....	118.67	26.74
	For Work In Restricted Working Space, Add	16.04	
40 05 23 23-1147	EA 1", 150#, Type 316 Stainless Steel Raised Face Threaded Flange.....	135.93	33.15
	For Work In Restricted Working Space, Add	19.89	
40 05 23 23-1148	EA 1-1/4", 150#, Type 316 Stainless Steel Raised Face Threaded Flange.....	186.66	46.92
	For Work In Restricted Working Space, Add	28.14	
40 05 23 23-1149	EA 1-1/2", 150#, Type 316 Stainless Steel Raised Face Threaded Flange.....	198.65	52.90
	For Work In Restricted Working Space, Add	31.74	
40 05 23 23-1150	EA 2", 150#, Type 316 Stainless Steel Raised Face Threaded Flange.....	249.61	67.19
	For Work In Restricted Working Space, Add	40.32	
40 05 23 23-1151	EA 2-1/2", 150#, Type 316 Stainless Steel Raised Face Threaded Flange.....	369.70	103.55
	For Work In Restricted Working Space, Add	62.15	
40 05 23 23-1152	EA 3", 150#, Type 316 Stainless Steel Raised Face Threaded Flange.....	445.76	211.33
	For Work In Restricted Working Space, Add	79.34	
40 05 23 23-1153	EA 4", 150#, Type 316 Stainless Steel Raised Face Threaded Flange.....	581.49	165.71
	For Work In Restricted Working Space, Add	99.45	
40 05 23 23-1154 300#, Type 316 Stainless Steel Raised Face Threaded Flange (40 05 23 23-1019)			
40 05 23 23-1155	EA 1/2", 300#, Type 316 Stainless Steel Raised Face Threaded Flange.....	126.73	20.06
	For Work In Restricted Working Space, Add	12.03	
40 05 23 23-1156	EA 3/4", 300#, Type 316 Stainless Steel Raised Face Threaded Flange.....	140.09	26.74
	For Work In Restricted Working Space, Add	16.04	
40 05 23 23-1157	EA 1", 300#, Type 316 Stainless Steel Raised Face Threaded Flange.....	152.93	33.15
	For Work In Restricted Working Space, Add	19.89	
40 05 23 23-1158	EA 1-1/4", 300#, Type 316 Stainless Steel Raised Face Threaded Flange.....	235.81	46.92
	For Work In Restricted Working Space, Add	28.14	
40 05 23 23-1159	EA 1-1/2", 300#, Type 316 Stainless Steel Raised Face Threaded Flange.....	247.80	52.90
	For Work In Restricted Working Space, Add	31.74	
40 05 23 23-1160	EA 2", 300#, Type 316 Stainless Steel Raised Face Threaded Flange.....	291.54	67.19
	For Work In Restricted Working Space, Add	40.32	
40 05 23 23-1161	EA 2-1/2", 300#, Type 316 Stainless Steel Raised Face Threaded Flange.....	489.34	103.55
	For Work In Restricted Working Space, Add	62.15	
40 05 23 23-1162	EA 3", 300#, Type 316 Stainless Steel Raised Face Threaded Flange.....	555.56	211.33
	For Work In Restricted Working Space, Add	79.34	
40 05 23 23-1163	EA 4", 300#, Type 316 Stainless Steel Raised Face Threaded Flange.....	763.63	165.71
	For Work In Restricted Working Space, Add	99.45	
40 05 23 23-1164 150#, Type 316 Stainless Steel Raised Face Weld Neck Flange (40 05 23 23-1019)			
40 05 23 23-1165	EA 1/2", 150#, Type 316 Stainless Steel Weld Neck Flange.....	126.91	29.79
	For Work In Restricted Working Space, Add	19.86	
40 05 23 23-1166	EA 3/4", 150#, Type 316 Stainless Steel Weld Neck Flange.....	135.48	31.62
	For Work In Restricted Working Space, Add	21.08	
40 05 23 23-1167	EA 1", 150#, Type 316 Stainless Steel Weld Neck Flange.....	152.24	34.75
	For Work In Restricted Working Space, Add	23.18	
40 05 23 23-1168	EA 1-1/4", 150#, Type 316 Stainless Steel Weld Neck Flange.....	188.73	37.90
	For Work In Restricted Working Space, Add	25.28	
40 05 23 23-1169	EA 1-1/2", 150#, Type 316 Stainless Steel Weld Neck Flange.....	197.33	41.79
	For Work In Restricted Working Space, Add	27.86	
40 05 23 23-1170	EA 2", 150#, Type 316 Stainless Steel Weld Neck Flange.....	216.85	46.55
	For Work In Restricted Working Space, Add	31.03	
40 05 23 23-1171	EA 2-1/2", 150#, Type 316 Stainless Steel Weld Neck Flange.....	309.04	59.52
	For Work In Restricted Working Space, Add	39.68	
40 05 23 23-1172	EA 3", 150#, Type 316 Stainless Steel Weld Neck Flange.....	337.91	69.68
	For Work In Restricted Working Space, Add	46.46	
40 05 23 23-1173	EA 4", 150#, Type 316 Stainless Steel Weld Neck Flange.....	455.22	83.49
	For Work In Restricted Working Space, Add	55.67	
40 05 23 23-1174	EA 6", 150#, Type 316 Stainless Steel Weld Neck Flange.....	697.94	104.32
	For Work In Restricted Working Space, Add	69.55	
40 05 23 23-1175	EA 8", 150#, Type 316 Stainless Steel Weld Neck Flange.....	1,152.78	172.80
	For Work In Restricted Working Space, Add	115.20	
40 05 23 23-1176	EA 10", 150#, Type 316 Stainless Steel Weld Neck Flange.....	1,687.93	230.40
	For Work In Restricted Working Space, Add	153.60	
40 05 23 23-1177	EA 12", 150#, Type 316 Stainless Steel Weld Neck Flange.....	2,517.18	345.59
	For Work In Restricted Working Space, Add	230.40	
40 05 23 23-1178	EA 14", 150#, Type 316 Stainless Steel Weld Neck Flange.....	2,945.59	403.21
	For Work In Restricted Working Space, Add	268.80	
40 05 23 23-1179	EA 16", 150#, Type 316 Stainless Steel Weld Neck Flange.....	3,696.64	459.93
	For Work In Restricted Working Space, Add	306.62	
40 05 23 23-1180	EA 18", 150#, Type 316 Stainless Steel Weld Neck Flange.....	4,529.04	576.01
	For Work In Restricted Working Space, Add	384.01	
40 05 23 23-1181	EA 20", 150#, Type 316 Stainless Steel Weld Neck Flange.....	5,839.82	806.42
	For Work In Restricted Working Space, Add	537.61	
40 05 23 23-1182	EA 24", 150#, Type 316 Stainless Steel Weld Neck Flange.....	8,296.13	1,152.01
	For Work In Restricted Working Space, Add	768.01	
40 05 23 23-1183 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange (40 05 23 23-1019)			
40 05 23 23-1184	EA 1/2" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange.....	160.86	29.79
	For Work In Restricted Working Space, Add	19.86	

MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
40 05 23 23-1185	EA	3/4" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	164.92 21.08	31.62
40 05 23 23-1186	EA	1" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	171.90 23.18	34.75
40 05 23 23-1187	EA	1-1/4" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	226.25 25.28	37.90
40 05 23 23-1188	EA	1-1/2" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	234.85 27.86	41.79
40 05 23 23-1189	EA	2" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	257.03 31.03	46.55
40 05 23 23-1190	EA	2-1/2" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	379.61 39.68	59.52
40 05 23 23-1191	EA	3" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	414.70 46.46	69.68
40 05 23 23-1192	EA	4" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	630.18 55.67	83.49
40 05 23 23-1193	EA	6" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	1,027.40 69.55	104.32
40 05 23 23-1194	EA	8" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	1,618.88 115.20	172.80
40 05 23 23-1195	EA	10" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	2,329.89 153.60	230.40
40 05 23 23-1196	EA	12" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	3,423.40 230.40	345.59
40 05 23 23-1197	EA	14" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	4,633.25 268.80	403.21
40 05 23 23-1198	EA	16" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	5,754.54 306.62	459.93
40 05 23 23-1199	EA	18" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	7,360.17 384.01	576.01
40 05 23 23-1200	EA	20" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	9,442.76 537.61	806.42
40 05 23 23-1201	EA	24" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	13,769.18 768.01	1,152.01
40 05 23 23-1202 150#, Type 316 Stainless Steel Raised Face Slip-On Flanges (40 05 23 23-1019)				
40 05 23 23-1203	EA	1/2", 150#, Type 316 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	178.86 39.72	59.58
40 05 23 23-1204	EA	3/4", 150#, Type 316 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	193.27 42.17	63.24
40 05 23 23-1205	EA	1", 150#, Type 316 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	213.10 46.34	69.51
40 05 23 23-1206	EA	1-1/4", 150#, Type 316 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	290.25 50.55	75.81
40 05 23 23-1207	EA	1-1/2", 150#, Type 316 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	261.61 55.72	83.56
40 05 23 23-1208	EA	2", 150#, Type 316 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	282.77 62.06	93.09
40 05 23 23-1209	EA	2-1/2", 150#, Type 316 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	360.12 79.37	119.04
40 05 23 23-1210	EA	3", 150#, Type 316 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	446.37 92.92	139.37
40 05 23 23-1211	EA	4", 150#, Type 316 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	580.04 111.34	167.00
40 05 23 23-1212	EA	6", 150#, Type 316 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	779.75 139.10	208.64
40 05 23 23-1213	EA	8", 150#, Type 316 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	1,382.29 230.40	345.59
40 05 23 23-1214	EA	10" 150#, Type 316 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	1,941.02 307.21	460.80
40 05 23 23-1215	EA	12" 150#, Type 316 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	2,853.00 460.81	691.20
40 05 23 23-1216 300#, Type 316 Stainless Steel Raised Face Slip-On Flanges (40 05 23 23-1019)				
40 05 23 23-1217	EA	1/2" 300#, Type 316 Stainless Steel Raised Neck Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	203.84 39.72	59.58
40 05 23 23-1218	EA	3/4" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	211.98 42.17	63.24
40 05 23 23-1219	EA	1" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	225.91 46.34	69.51
40 05 23 23-1220	EA	1-1/4" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	285.47 50.55	75.81
40 05 23 23-1221	EA	1-1/2" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	302.70 55.72	83.56
40 05 23 23-1222	EA	2" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	329.09 62.06	93.09
40 05 23 23-1223	EA	2-1/2" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	511.00 79.37	119.04
40 05 23 23-1224	EA	3" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	565.10 92.92	139.37
40 05 23 23-1225	EA	4" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	735.39 111.34	167.00
40 05 23 23-1226	EA	6" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	1,136.04 139.10	208.64
40 05 23 23-1227	EA	8" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	1,644.83 230.40	345.59

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 23 23-1228	EA	10" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	2,716.01	460.80
		<i>For Work In Restricted Working Space, Add</i>	307.21	
40 05 23 23-1229	EA	12" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	3,592.33	691.20
		<i>For Work In Restricted Working Space, Add</i>	460.81	

40 05 23 23-1230 150#, Type 316 Stainless Steel Blind Flanges (40 05 23 23-1019)

40 05 23 23-1231	EA	1/2", 150#, Type 316 Stainless Steel Raised Face Blind Flange	72.93	11.91
		<i>For Work In Restricted Working Space, Add</i>	7.94	
40 05 23 23-1232	EA	3/4", 150#, Type 316 Stainless Steel Raised Face Blind Flange	82.58	12.63
		<i>For Work In Restricted Working Space, Add</i>	8.43	
40 05 23 23-1233	EA	1", 150#, Type 316 Stainless Steel Raised Face Blind Flange	93.40	13.89
		<i>For Work In Restricted Working Space, Add</i>	9.27	
40 05 23 23-1234	EA	1-1/4", 150#, Type 316 Stainless Steel Raised Face Blind Flange	110.28	15.48
		<i>For Work In Restricted Working Space, Add</i>	10.32	
40 05 23 23-1235	EA	1-1/2", 150#, Type 316 Stainless Steel Raised Face Blind Flange	122.36	20.91
		<i>For Work In Restricted Working Space, Add</i>	13.94	
40 05 23 23-1236	EA	2", 150#, Type 316 Stainless Steel Raised Face Blind Flange	152.50	23.21
		<i>For Work In Restricted Working Space, Add</i>	15.47	
40 05 23 23-1237	EA	2-1/2", 150#, Type 316 Stainless Steel Raised Face Blind Flange	213.65	29.84
		<i>For Work In Restricted Working Space, Add</i>	19.90	
40 05 23 23-1238	EA	3", 150#, Type 316 Stainless Steel Raised Face Blind Flange	255.45	41.82
		<i>For Work In Restricted Working Space, Add</i>	27.88	
40 05 23 23-1239	EA	4", 150#, Type 316 Stainless Steel Raised Face Blind Flange	395.92	69.67
		<i>For Work In Restricted Working Space, Add</i>	46.45	
40 05 23 23-1240	EA	6", 150#, Type 316 Stainless Steel Raised Face Blind Flange	562.52	89.59
		<i>For Work In Restricted Working Space, Add</i>	59.73	
40 05 23 23-1241	EA	8", 150#, Type 316 Stainless Steel Raised Face Blind Flange	974.65	107.52
		<i>For Work In Restricted Working Space, Add</i>	71.68	
40 05 23 23-1242	EA	10", 150#, Type 316 Stainless Steel Raised Face Blind Flange	1,279.61	129.03
		<i>For Work In Restricted Working Space, Add</i>	86.02	
40 05 23 23-1243	EA	12", 150#, Type 316 Stainless Steel Raised Face Blind Flange	2,065.60	161.28
		<i>For Work In Restricted Working Space, Add</i>	107.52	
40 05 23 23-1244	EA	14", 150#, Type 316 Stainless Steel Raised Face Blind Flange	2,456.99	201.60
		<i>For Work In Restricted Working Space, Add</i>	134.40	
40 05 23 23-1245	EA	16", 150#, Type 316 Stainless Steel Raised Face Blind Flange	3,213.76	229.97
		<i>For Work In Restricted Working Space, Add</i>	153.31	
40 05 23 23-1246	EA	18", 150#, Type 316 Stainless Steel Raised Face Blind Flange	3,776.33	288.00
		<i>For Work In Restricted Working Space, Add</i>	192.01	
40 05 23 23-1247	EA	20", 150#, Type 316 Stainless Steel Raised Face Blind Flange	4,986.23	403.21
		<i>For Work In Restricted Working Space, Add</i>	268.80	
40 05 23 23-1248	EA	24", 150#, Type 316 Stainless Steel Raised Face Blind Flange	7,278.04	576.01
		<i>For Work In Restricted Working Space, Add</i>	384.01	

40 05 23 23-1249 300#, Type 316 Stainless Steel Blind Flanges (40 05 23 23-1019)

40 05 23 23-1250	EA	1/2", 300#, Type 316 Stainless Steel Raised Face Blind Flange	113.11	11.91
		<i>For Work In Restricted Working Space, Add</i>	7.94	
40 05 23 23-1251	EA	3/4", 300#, Type 316 Stainless Steel Raised Face Blind Flange	114.74	12.63
		<i>For Work In Restricted Working Space, Add</i>	8.43	
40 05 23 23-1252	EA	1", 300#, Type 316 Stainless Steel Raised Face Blind Flange	117.53	13.89
		<i>For Work In Restricted Working Space, Add</i>	9.27	
40 05 23 23-1253	EA	1-1/4", 300#, Type 316 Stainless Steel Raised Face Blind Flange	176.39	15.48
		<i>For Work In Restricted Working Space, Add</i>	10.32	
40 05 23 23-1254	EA	1-1/2", 300#, Type 316 Stainless Steel Raised Face Blind Flange	188.47	20.91
		<i>For Work In Restricted Working Space, Add</i>	13.94	
40 05 23 23-1255	EA	2", 300#, Type 316 Stainless Steel Raised Face Blind Flange	208.73	23.21
		<i>For Work In Restricted Working Space, Add</i>	15.47	
40 05 23 23-1256	EA	2-1/2", 300#, Type 316 Stainless Steel Raised Face Blind Flange	348.49	29.84
		<i>For Work In Restricted Working Space, Add</i>	19.90	
40 05 23 23-1257	EA	3", 300#, Type 316 Stainless Steel Raised Face Blind Flange	384.01	41.82
		<i>For Work In Restricted Working Space, Add</i>	27.88	
40 05 23 23-1258	EA	4", 300#, Type 316 Stainless Steel Raised Face Blind Flange	586.98	69.67
		<i>For Work In Restricted Working Space, Add</i>	46.45	
40 05 23 23-1259	EA	6", 300#, Type 316 Stainless Steel Raised Face Blind Flange	1,073.26	89.59
		<i>For Work In Restricted Working Space, Add</i>	59.73	
40 05 23 23-1260	EA	8", 300#, Type 316 Stainless Steel Raised Face Blind Flange	1,380.95	107.52
		<i>For Work In Restricted Working Space, Add</i>	71.68	
40 05 23 23-1261	EA	10", 300#, Type 316 Stainless Steel Raised Face Blind Flange	2,488.55	129.03
		<i>For Work In Restricted Working Space, Add</i>	86.02	
40 05 23 23-1262	EA	12", 300#, Type 316 Stainless Steel Raised Face Blind Flange	3,034.36	161.28
		<i>For Work In Restricted Working Space, Add</i>	107.52	
40 05 23 23-1263	EA	14", 300#, Type 316 Stainless Steel Raised Face Blind Flange	4,384.62	201.60
		<i>For Work In Restricted Working Space, Add</i>	134.40	
40 05 23 23-1264	EA	16", 300#, Type 316 Stainless Steel Raised Face Blind Flange	5,656.41	229.97
		<i>For Work In Restricted Working Space, Add</i>	153.31	
40 05 23 23-1265	EA	18", 300#, Type 316 Stainless Steel Raised Face Blind Flange	7,402.50	288.00
		<i>For Work In Restricted Working Space, Add</i>	192.01	
40 05 23 23-1266	EA	20", 300#, Type 316 Stainless Steel Raised Face Blind Flange	9,308.28	403.21
		<i>For Work In Restricted Working Space, Add</i>	268.80	
40 05 23 23-1267	EA	24", 300#, Type 316 Stainless Steel Raised Face Blind Flange	14,347.62	576.01
		<i>For Work In Restricted Working Space, Add</i>	384.01	

40 05 23 23-1268 Type 316 Seamless Annealed Tubing (40 05 23 23)
Note: For high-pressure air (8000 PSIG working pressure).**40 05 23 23-1269 Type 316 Seamless Annealed Tubing (40 05 23 23-1268)**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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40 05 23 23-1270	LF	3/8"	Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .065 Wall Thickness	26.21	
40 05 23 23-1271	LF	1/2"	Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .083 Wall Thickness	33.09	
40 05 23 23-1272	LF	3/4"	Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .120 Wall Thickness	40.11	

40 05 23 23-1273 Type 316 Seamless Annealed Tubing Fittings (40 05 23 23-1268)
 Note: Pressure rating 5000 PSI minimum. Includes front and back ferrules.

40 05 23 23-1274	EA	3/8"	Tube Outside Diameter X 3/8" NPT Stainless Steel Male Connector With Front And Back Ferrules	83.33	
40 05 23 23-1275	EA	3/8"	Tube Outside Diameter X 3/8" NPT Stainless Steel Male Elbow With Front And Back Ferrules	97.47	
40 05 23 23-1276	EA	3/8"	Tube Outside Diameter X 3/8" NPT Stainless Steel Male Tee With Front And Back Ferrules	150.15	
40 05 23 23-1277	EA	3/8"	Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules	68.63	
40 05 23 23-1278	EA	3/8"	Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules	113.28	
40 05 23 23-1279	EA	1/2"	Tube Outside Diameter X 1/2" NPT Stainless Steel Male Connector With Front And Back Ferrules	84.98	
40 05 23 23-1280	EA	1/2"	Tube Outside Diameter X 1/2" NPT Stainless Steel Male Elbow With Front And Back Ferrules	106.38	
40 05 23 23-1281	EA	1/2"	Tube Outside Diameter X 1/2" NPT Stainless Steel Male Branch Tee With Front And Back Ferrules	163.84	
40 05 23 23-1282	EA	1/2"	Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules	104.38	
40 05 23 23-1283	EA	1/2"	Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules	160.85	
40 05 23 23-1284	EA	3/4"	Tube Outside Diameter X 3/4" NPT Stainless Steel Male Connector With Front And Back Ferrules	101.71	
40 05 23 23-1285	EA	3/4"	Tube Outside Diameter X 3/4" NPT Stainless Steel Male Elbow With Front And Back Ferrules	131.89	
40 05 23 23-1286	EA	3/4"	Tube Outside Diameter X 3/4" NPT Stainless Steel Male Branch Tee With Front And Back Ferrules	218.82	
40 05 23 23-1287	EA	3/4"	Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules	180.96	
40 05 23 23-1288	EA	3/4"	Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules	222.62	

40 05 23 23-1289 Valves For High Pressure Air (5,000 PSIG) (40 05 23 23-1268)

40 05 23 23-1290 Needle Valves (40 05 23 23-1289)

40 05 23 23-1291	EA	3/8"	Tube Fitting Outside Diameter Stainless Steel With Needle Valve Cartridge	418.75	
40 05 23 23-1292	EA	1/2"	Tube Fitting Outside Diameter Stainless Steel With Needle Valve Cartridge	666.99	

40 05 23 23-1293 Safety Valve (Code Stamped) Work Pressure, 6,000 PSIG (40 05 23 23-1289)

40 05 23 23-1294	EA	1/4"	NPT Inlet, Safety Valve Spring Loaded 316 Stainless Steel Construction.....	401.78	
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40 05 23 23-1295 Other Valves Working Pressure 6,000 PSI (40 05 23 23-1289)

40 05 23 23-1296	EA	1/4"	NPT Pressure Reducing Valve Spring Loaded, Stainless Steel Body, 6,000 PSIG	1,679.08	
40 05 23 23-1297	EA	1/4"	NPT Pressure Gauge, Liquid Filled, 6,000 PSIG, Blow Out Back	418.09	
40 05 23 23-1298	EA		Snubber 316 Stainless Steel Body, Rated For Design Pressure With Sinterec Element.....	79.02	

40 05 41 Glass Process Pipe (40 05)

40 05 41 00-0001 Glass Pressure Pipe (40 05 41)

40 05 41 00-0002 Glass Pipe, Beaded Joints (40 05 41 00-0001)

40 05 41 00-0003	LF	1/2"	Glass Pipe, Pressure	55.97	17.17
			<i>For Work In Restricted Working Space, Add</i>	10.30	
40 05 41 00-0004	LF	3/4"	Glass Pipe, Pressure	67.17	20.60
			<i>For Work In Restricted Working Space, Add</i>	12.36	
40 05 41 00-0005	LF	1"	Glass Pipe, Pressure	79.55	22.89
			<i>For Work In Restricted Working Space, Add</i>	13.73	
40 05 41 00-0006	LF	1-1/2"	Glass Pipe, Pressure	104.11	30.89
			<i>For Work In Restricted Working Space, Add</i>	18.54	
40 05 41 00-0007	LF	2"	Glass Pipe, Pressure	129.24	36.61
			<i>For Work In Restricted Working Space, Add</i>	21.97	
40 05 41 00-0008	LF	3"	Glass Pipe, Pressure	164.64	42.34
			<i>For Work In Restricted Working Space, Add</i>	25.40	
40 05 41 00-0009	LF	4"	Glass Pipe, Pressure	226.43	57.21
			<i>For Work In Restricted Working Space, Add</i>	34.33	
40 05 41 00-0010	LF	6"	Glass Pipe, Pressure	338.24	68.65
			<i>For Work In Restricted Working Space, Add</i>	41.19	

40 05 41 00-0011 Glass 90 Degree Elbows (40 05 41 00-0001)

40 05 41 00-0012	EA	1/2"	90 Degree Elbow, Glass, Pressure	233.65	91.53
			<i>For Work In Restricted Working Space, Add</i>	54.92	
40 05 41 00-0013	EA	3/4"	90 Degree Elbow, Glass, Pressure	254.11	97.25
			<i>For Work In Restricted Working Space, Add</i>	58.36	
40 05 41 00-0014	EA	1"	90 Degree Elbow, Glass, Pressure	283.92	102.98
			<i>For Work In Restricted Working Space, Add</i>	61.79	
40 05 41 00-0015	EA	1-1/2"	90 Degree Elbow, Glass, Pressure	311.98	114.42
			<i>For Work In Restricted Working Space, Add</i>	68.65	
40 05 41 00-0016	EA	2"	90 Degree Elbow, Glass, Pressure	362.60	125.86
			<i>For Work In Restricted Working Space, Add</i>	75.52	
40 05 41 00-0017	EA	3"	90 Degree Elbow, Glass, Pressure	474.16	148.74
			<i>For Work In Restricted Working Space, Add</i>	89.24	
40 05 41 00-0018	EA	4"	90 Degree Elbow, Glass, Pressure	566.29	160.19
			<i>For Work In Restricted Working Space, Add</i>	96.10	
40 05 41 00-0019	EA	6"	90 Degree Elbow, Glass, Pressure	1,007.07	183.07
			<i>For Work In Restricted Working Space, Add</i>	109.85	

40 05 41 00-0020 Glass 45 Degree Elbows (40 05 41 00-0001)

40 05 41 00-0021	EA	1/2"	45 Degree Elbow, Glass, Pressure	231.63	91.53
			<i>For Work In Restricted Working Space, Add</i>	54.92	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 41 Glass Process Pipe**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 41 00-0022	EA	3/4" 45 Degree Elbow, Glass, Pressure.....	251.73	97.25
		<i>For Work In Restricted Working Space, Add</i>	58.36	
40 05 41 00-0023	EA	1" 45 Degree Elbow, Glass, Pressure.....	280.79	102.98
		<i>For Work In Restricted Working Space, Add</i>	61.78	
40 05 41 00-0024	EA	1-1/2" 45 Degree Elbow, Glass, Pressure	308.66	114.42
		<i>For Work In Restricted Working Space, Add</i>	68.65	
40 05 41 00-0025	EA	2" 45 Degree Elbow, Glass, Pressure	358.12	125.86
		<i>For Work In Restricted Working Space, Add</i>	75.51	
40 05 41 00-0026	EA	3" 45 Degree Elbow, Glass, Pressure.....	467.12	148.74
		<i>For Work In Restricted Working Space, Add</i>	89.25	
40 05 41 00-0027	EA	4" 45 Degree Elbow, Glass, Pressure.....	556.45	160.19
		<i>For Work In Restricted Working Space, Add</i>	96.10	
40 05 41 00-0028	EA	6" 45 Degree Elbow, Glass, Pressure.....	981.29	183.07
		<i>For Work In Restricted Working Space, Add</i>	109.81	

40 05 41 00-0029 Glass Tees (40 05 41 00-0001)

40 05 41 00-0030	EA	1/2" Tee, Glass, Pressure	361.26	137.31
		<i>For Work In Restricted Working Space, Add</i>	82.40	
40 05 41 00-0031	EA	3/4" Tee, Glass, Pressure	385.27	148.74
		<i>For Work In Restricted Working Space, Add</i>	89.25	
40 05 41 00-0032	EA	1" Tee, Glass, Pressure	417.32	160.19
		<i>For Work In Restricted Working Space, Add</i>	96.10	
40 05 41 00-0033	EA	1-1/2" Tee, Glass, Pressure.....	485.23	171.63
		<i>For Work In Restricted Working Space, Add</i>	102.96	
40 05 41 00-0034	EA	2" Tee, Glass, Pressure	543.92	188.80
		<i>For Work In Restricted Working Space, Add</i>	113.29	
40 05 41 00-0035	EA	3" Tee, Glass, Pressure	662.08	228.84
		<i>For Work In Restricted Working Space, Add</i>	137.30	
40 05 41 00-0036	EA	4" Tee, Glass, Pressure.....	823.33	240.17
		<i>For Work In Restricted Working Space, Add</i>	144.11	
40 05 41 00-0037	EA	6" Tee, Glass, Pressure	1,148.38	274.49
		<i>For Work In Restricted Working Space, Add</i>	164.72	

40 05 41 00-0038 Glass Couplings, Vitron Liner (40 05 41 00-0001)

40 05 41 00-0039	EA	1/2" Coupling, Vitron Liner, Glass	72.75	
40 05 41 00-0040	EA	3/4" Coupling, Vitron Liner, Glass	83.14	
40 05 41 00-0041	EA	1" Coupling, Vitron Liner, Glass	97.00	
40 05 41 00-0042	EA	1-1/2" Coupling, Vitron Liner, Glass.....	110.86	
40 05 41 00-0043	EA	2" Coupling, Vitron Liner, Glass	133.38	
40 05 41 00-0044	EA	3" Coupling, Vitron Liner, Glass	244.23	
40 05 41 00-0045	EA	4" Coupling, Vitron Liner, Glass	294.47	
40 05 41 00-0046	EA	6" Coupling, Vitron Liner, Glass	588.94	

40 20 Liquids Process Piping (40)**40 23 Water and Wastewater Process Piping** (40 20)**40 23 51 Water and Wastewater Process Valves** (40 23)**40 23 51 00-0001 Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valves** (40 23 51)

40 23 51 00-0002	EA	2" Lever Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Gas Service Eccentric Plug Valve (DeZurik PEC, 2,F1,Ci,T,NBR*LV)	715.35	165.65
40 23 51 00-0003	EA	3" Lever Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Gas Service Eccentric Plug Valve (DeZurik PEC, 3,F1,Ci,T,NBR*LV)	1,102.11	211.52
40 23 51 00-0004	EA	4" Handwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC, 4,F1,Ci,T,NBR, 1304G0*GS-6-HD8)	2,214.65	326.09
40 23 51 00-0005	EA	4" Chainwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC, 4,F1,Ci,T,NBR, 1304G0*GS-6-CW8)	2,503.92	326.09
40 23 51 00-0006	EA	6" Handwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC, 6,F1,Ci,T,NBR, 1304G0*GS-6-HD8)	3,133.11	386.91
40 23 51 00-0007	EA	6" Chainwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC, 6,F1,Ci,T,NBR, 1304G0*GS-6-CW8)	3,484.67	386.91
40 23 51 00-0008	EA	8" Handwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC, 8,F1,Ci,T,NBR, 1304G0*GS-6-HD12)	4,662.07	494.39
40 23 51 00-0009	EA	8" Chainwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC, 8,F1,Ci,T,NBR, 1304G0*GS-6-CW12)	5,087.96	494.39
40 23 51 00-0010	EA	10" Handwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC, 10,F1,Ci,T,NBR, 1304G0*GS-12-HD12)	7,100.44	601.86
40 23 51 00-0011	EA	10" Chainwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC, 10,F1,Ci,T,NBR, 1304G0*GS-12-CW12)	7,707.13	601.86
40 23 51 00-0012	EA	14" Handwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC, 14,F1,Ci,T,NBR, 1304G0*GS-12-HD16)	12,111.15	1,028.15

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 23 51 00-0013	EA	14" Chainwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,14,F1,Ci,T,NBR,1304G0*GS-12-CW20).....	12,898.64	1,028.15
40 23 51 00-0014 Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valves (40 23 51)				
40 23 51 00-0015	EA	2" Lever Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,2,F1,Ci,NBR,CR*LV).....	710.60	165.68
40 23 51 00-0016	EA	3" Lever Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,3,F1,Ci,NBR,CR*LV).....	1,095.16	211.52
40 23 51 00-0017	EA	4" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,4,F1,Ci,NBR,CR*GS-6-HD8).....	1,965.54	326.09
40 23 51 00-0018	EA	4" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,4,F1,Ci,NBR,CR*GS-6-CW8).....	2,313.08	326.09
40 23 51 00-0019	EA	6" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,6,F1,Ci,NBR,CR*GS-6-HD8).....	2,791.60	386.91
40 23 51 00-0020	EA	6" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,6,F1,Ci,NBR,CR*GS-6-CW8).....	3,143.15	386.91
40 23 51 00-0021	EA	8" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,8,F1,Ci,NBR,CR*GS-6-HD12).....	4,089.54	494.39
40 23 51 00-0022	EA	8" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,8,F1,Ci,NBR,CR*GS-6-CW12).....	4,513.41	494.39
40 23 51 00-0023	EA	10" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,10,F1,Ci,NBR,CR*GS-12-HD12).....	6,537.95	601.86
40 23 51 00-0024	EA	10" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,10,F1,Ci,NBR,CR*GS-12-CW12).....	6,961.83	601.86
40 23 51 00-0025	EA	12" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,12,F1,Ci,NBR,CR*GS-12-HD16).....	8,610.01	730.82
40 23 51 00-0026	EA	12" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,12,F1,Ci,NBR,CR*GS-12-CW20).....	9,393.49	730.82
40 23 51 00-0027	EA	14" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,14,F1,Ci,NBR,CR*GS-12-HD16).....	10,988.18	1,028.15
40 23 51 00-0028	EA	14" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,14,F1,Ci,NBR,CR*GS-12-CW20).....	11,775.67	1,028.15
40 23 51 00-0029	EA	16" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,16,F1,Ci,NBR,CR*GS-12-HD16).....	13,240.10	1,130.97
40 23 51 00-0030	EA	16" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,16,F1,Ci,NBR,CR*GS-12-CW20).....	14,027.59	1,130.97
40 23 51 00-0031	EA	18" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,18,F1,Ci,NBR,CR*GS-12-HD24).....	17,412.12	1,254.34
40 23 51 00-0032	EA	18" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,18,F1,Ci,NBR,CR*GS-12-CW30).....	18,079.08	1,254.34
40 23 51 00-0033	EA	20" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,20,F1,Ci,NBR,CR*GS-16-HD16).....	24,055.89	1,413.71
40 23 51 00-0034	EA	20" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,20,F1,Ci,NBR,CR*GS-16-CW20).....	24,819.27	1,413.71
40 23 51 00-0035	EA	24" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,24,F1,Ci,NBR,CR*GS-16-HD16).....	42,883.13	1,735.01
40 23 51 00-0036	EA	24" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,24,F1,Ci,NBR,CR*GS-16-CW20).....	43,646.51	1,735.01
40 23 51 00-0037	EA	30" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,30,F1,Ci,NBR,CR*GS-16-HD24).....	59,119.73	2,748.03
40 23 51 00-0038	EA	30" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,30,F1,Ci,NBR,CR*GS-16-CW30).....	60,035.79	2,748.03
40 23 51 00-0039	EA	36" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,36,F1,Ci,NBR,CR*GS-16-HD30).....	90,350.04	3,664.04
40 23 51 00-0040	EA	36" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,36,F1,Ci,NBR,CR*GS-16-CW30).....	90,729.72	3,664.04
40 23 51 00-0041 Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valves (40 23 51)				
40 23 51 00-0042	EA	3" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,3,F1,Ci,NBR,CR*GS-6A-HD8).....	2,303.42	211.52
40 23 51 00-0043	EA	3" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,3,F1,Ci,NBR,CR*GS-6A-CW8).....	2,715.25	211.52
40 23 51 00-0044	EA	4" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,4,F1,Ci,NBR,CR*GS-6A-HD8).....	2,544.11	326.09
40 23 51 00-0045	EA	4" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,4,F1,Ci,NBR,CR*GS-6A-CW8).....	2,957.94	326.09
40 23 51 00-0046	EA	6" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,6,F1,Ci,NBR,CR*GS-6A-HD8).....	3,992.92	386.91
40 23 51 00-0047	EA	6" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,6,F1,Ci,NBR,CR*GS-6A-CW8).....	4,406.75	386.91
40 23 51 00-0048	EA	8" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,8,F1,Ci,NBR,CR*GS-6A-HD12).....	4,895.11	494.39
40 23 51 00-0049	EA	8" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,8,F1,Ci,NBR,CR*GS-6A-CW12).....	5,397.33	494.39
40 23 51 00-0050	EA	10" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,10,F1,Ci,NBR,CR*GS-12A-HD12).....	7,996.41	601.86
40 23 51 00-0051	EA	10" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,10,F1,Ci,NBR,CR*GS-12A-CW12).....	8,498.64	601.86
40 23 51 00-0052	EA	12" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,12,F1,Ci,NBR,CR*GS-12A-HD16).....	9,467.82	730.82
40 23 51 00-0053	EA	12" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,12,F1,Ci,NBR,CR*GS-12A-CW20).....	10,114.68	730.82

40 Process Interconnections**40 20 Liquids Process Piping****40 23 Water and Wastewater Process Piping**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
40 23 51 00-0054	EA	14" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,14,F1,Ci,NBR,CR*GS-12A-HD16).....	12,474.76	1,028.15	
40 23 51 00-0055	EA	14" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,14,F1,Ci,NBR,CR*GS-12A-CW20).....	13,117.61	1,028.15	
40 23 51 00-0056	EA	16" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,16,F1,Ci,NBR,CR*GS-12A-HD16).....	14,762.85	1,130.97	
40 23 51 00-0057	EA	16" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,16,F1,Ci,NBR,CR*GS-12A-CW20).....	15,405.70	1,130.97	
40 23 51 00-0058	EA	18" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,18,F1,Ci,NBR,CR*GS-12A-HD24).....	18,934.87	1,254.34	
40 23 51 00-0059	EA	18" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,18,F1,Ci,NBR,CR*GS-12A-CW30).....	19,726.38	1,254.34	
40 23 51 00-0060	EA	20" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,20,F1,Ci,NBR,CR*MG-WR3-HD24).....	32,631.88	1,413.71	
40 23 51 00-0061	EA	20" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,20,F1,Ci,NBR,CR*GS-12A-CW30).....	25,875.95	1,413.71	
40 23 51 00-0062	EA	24" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,24,F1,Ci,NBR,CR*MG-WR1-HD24).....	53,492.13	1,735.01	
40 23 51 00-0063	EA	24" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,24,F1,Ci,NBR,CR*MG-WR1-CW30).....	53,492.13	1,735.01	
40 23 51 00-0064	EA	30" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,30,F1,Ci,NBR,CR*MG-WR4-HD24).....	82,204.00	2,748.03	
40 23 51 00-0065	EA	30" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,30,F1,Ci,NBR,CR*MG-WR4-CW30).....	82,204.00	2,748.03	
40 23 51 00-0066	EA	36" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,36,F1,Ci,NBR,CR*MG-WR4-HD24).....	113,195.25	3,664.04	
40 23 51 00-0067	EA	36" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,36,F1,Ci,NBR,CR*MG-WR4-CW30).....	113,195.25	3,664.04	
40 23 51 00-0068		Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valves (40 23 51)			
40 23 51 00-0069	EA	4" Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,4,MJ,Ci,NBR,CR*NT).....	1,399.03	326.91	
40 23 51 00-0070	EA	6" Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,6,MJ,Ci,NBR,CR*NT).....	2,331.32	429.90	
40 23 51 00-0071	EA	8" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,8,MJ,Ci,NBR,CR*GB-6-N).....	4,175.89	491.29	
40 23 51 00-0072	EA	10" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,10,MJ,Ci,NBR,CR*GB-6-N).....	5,945.33	601.86	
40 23 51 00-0073	EA	12" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,12,MJ,Ci,NBR,CR*GB-6-N).....	7,458.40	729.51	
40 23 51 00-0074	EA	14" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,14,MJ,Ci,NBR,CR*GB-12-N).....	10,727.02	1,028.15	
40 23 51 00-0075	EA	16" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,16,MJ,Ci,NBR,CR*GB-12-N).....	13,308.41	1,130.97	
40 23 51 00-0076	EA	18" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,18,MJ,Ci,NBR,CR*GB-12-N).....	17,235.90	1,256.61	
40 23 51 00-0077	EA	20" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,20,MJ,Ci,NBR,CR*GB-12-N).....	23,149.87	1,413.71	
40 23 51 00-0078	EA	24" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,24,MJ,Ci,NBR,CR*GB-16-N).....	45,729.51	1,739.96	
40 23 51 00-0079	EA	30" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,30,MJ,Ci,NBR,CR*GB-16-N).....	61,837.95	2,797.99	
40 23 51 00-0080	EA	36" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,36,MJ,Ci,NBR,CR*GB-16-N).....	89,382.48	3,497.49	
40 23 51 00-0081		Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valves (40 23 51)			
40 23 51 00-0082	EA	4" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,4,F1,Ci,NBR,CR*GS-6-PC4,EPP).....	8,357.98	326.09	
40 23 51 00-0083	EA	6" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,6,F1,Ci,NBR,CR*GS-6-PC4,EPP).....	9,141.54	386.91	
40 23 51 00-0084	EA	8" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,8,F1,Ci,NBR,CR*GS-6-PC6,EPP).....	10,097.18	494.39	
40 23 51 00-0085	EA	10" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,10,F1,Ci,NBR,CR*GS-6-PC8,EPP).....	11,649.01	601.86	
40 23 51 00-0086	EA	12" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,12,F1,Ci,NBR,CR*GS-12-PC6,EPP).....	14,889.57	730.82	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 23 51 00-0087	EA	14" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,14,F1,C1,NBR,CR*GS-12-PC6,EPP)	18,130.80	1,028.15
40 23 51 00-0088	EA	16" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,16,F1,C1,NBR,CR*GS-12-PC8,EPP)	21,394.52	1,130.97
40 23 51 00-0089	EA	18" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,18,F1,C1,NBR,CR*GS-12-PC8,EPP)	25,113.83	1,254.34
40 23 51 00-0090	EA	20" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,20,F1,C1,NBR,CR*GS-12-PC10,EPP)	31,339.43	1,413.71
40 23 51 00-0091	EA	24" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,24,F1,C1,NBR,CR*GS-16-PC8,EPP)	59,131.11	1,735.01
40 23 51 00-0092		Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valves (40 23 51)		
40 23 51 00-0093	EA	3" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,3,6000A,F1,DI,DI-S11-S2-NBR*AC)	9,070.04	211.52
40 23 51 00-0094	EA	4" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,4,6000A,F1,DI,DI-S11-S2-NBR*AC)	9,935.22	326.09
40 23 51 00-0095	EA	6" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,6,6000A,F1,DI,DI-S11-S2-NBR*AC)	10,069.17	386.91
40 23 51 00-0096	EA	8" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,8,6000A,F1,DI,DI-S11-S2-NBR*AC)	11,922.44	494.39
40 23 51 00-0097	EA	10" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,10,6000A,F1,DI,DI-S11-S2-NBR*AC)	15,490.19	601.86
40 23 51 00-0098	EA	12" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,12,6000A,F1,DI,DI-S11-S2-NBR*AC)	20,288.96	730.82
40 23 51 00-0099	EA	14" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,14,6000A,F1,DI,DI-S11-S2-NBR*AC)	33,958.77	1,028.15
40 23 51 00-0100	EA	16" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,16,6000,F1,DI,DI-S11-S2-NBR*AC)	49,070.79	1,130.97
40 23 51 00-0101	EA	18" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,18,6000,F1,DI,DI-S11-S2-NBR*AC)	51,343.00	1,254.34
40 23 51 00-0102	EA	20" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,20,6000,F1,DI,DI-S11-S2-NBR*AC)	51,542.21	1,413.71
40 23 51 00-0103	EA	24" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,24,6000,F1,DI,DI-S11-S2-NBR*AC)	61,722.72	1,735.01
40 23 51 00-0104		Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valves (40 23 51)		
40 23 51 00-0105	EA	2" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,2,250A,F1,DIF,DI-S1-S2-NBR*AC)	3,166.04	165.65
40 23 51 00-0106	EA	3" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,3,250A,F1,DIF,DI-S1-S2-NBR*AC)	3,354.25	211.52
40 23 51 00-0107	EA	4" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,4,250A,F1,DIF,DI-S1-S2-NBR*AC)	3,969.83	326.09
40 23 51 00-0108	EA	6" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,6,250A,F1,DIF,DI-S1-S2-NBR*AC)	4,465.53	386.91
40 23 51 00-0109	EA	8" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,8,250A,F1,DIF,DI-S1-S2-NBR*AC)	5,798.81	494.39
40 23 51 00-0110	EA	10" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,10,250A,F1,DIF,DI-S1-S2-NBR*AC)	8,084.18	601.86
40 23 51 00-0111	EA	12" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,12,250A,F1,DIF,DI-S1-S2-NBR*AC)	14,109.25	730.82
40 23 51 00-0112	EA	14" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,14,250A,F1,DIF,DI-S1-S2-NBR*AC)	16,486.51	1,028.15
40 23 51 00-0113	EA	16" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,16,250,F1,DIF,DI-S1-S1-NBR*AC)	20,878.82	1,130.97
40 23 51 00-0114	EA	18" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,18,250,F1,DIF,DI-S1-S1-NBR*AC)	30,765.59	1,254.34

40 Process Interconnections**40 20 Liquids Process Piping****40 23 Water and Wastewater Process Piping**

MINOR				TOTAL DIRECT		DEMOLITION
CSI UOM DESCRIPTION				UNIT COST		UNIT COST
40 23 51 00-0115	EA	20" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,20,250,F1,DIF,DI-S1-S1-NBR*AC)	33,974.95		1,413.71	
40 23 51 00-0116	EA	24" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,24,250,F1,DIF,DI-S1-S1-NBR*AC)	52,917.07		1,735.01	
40 23 51 00-0117 Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy-Duty, Knife Gate Valves (40 23 51)						
40 23 51 00-0118	EA	2" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy-Duty, Knife Gate Valve (DeZurik KGC,2,HD,F1,S2,SMP,S2-M*MN-HD8-CS)	1,136.98		165.68	
40 23 51 00-0119	EA	3" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy-Duty, Knife Gate Valve (DeZurik KGC,3,HD,F1,S2,SMP,S2-M*MN-HD8-CS)	1,283.88		211.52	
40 23 51 00-0120	EA	4" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy-Duty, Knife Gate Valve (DeZurik KGC,4,HD,F1,S2,SMP,S2-M*MN-HD8-CS)	1,623.63		326.09	
40 23 51 00-0121	EA	6" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy-Duty, Knife Gate Valve (DeZurik KGC,6,HD,F1,S2,SMP,S2-M*MN-HD12-CS)	2,004.12		386.91	
40 23 51 00-0122	EA	8" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy-Duty, Knife Gate Valve (DeZurik KGC,8,HD,F1,S2,SMP,S2-M*MN-HD12-CS)	2,614.69		494.39	
40 23 51 00-0123	EA	10" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy-Duty, Knife Gate Valve (DeZurik KGC,10,HD,F1,S2,SMP,S2-M*MN-HD16-CS)	3,721.14		601.86	
40 23 51 00-0124	EA	12" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy-Duty, Knife Gate Valve (DeZurik KGC,12,BD,F1,S2,SMP,S2-CR*MN-HD16-CS)	5,731.84		730.82	
40 23 51 00-0125	EA	14" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy-Duty, Knife Gate Valve (DeZurik KGC,14,BD,F1,S2,SMP,S2-CR*MN-HD20-S1)	8,793.16		1,028.15	
40 23 51 00-0126	EA	16" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy-Duty, Knife Gate Valve (DeZurik KGC,16,BD,F1,S2,SMP,S2-CR*MN-HD20-S1)	10,497.43		1,130.97	
40 23 51 00-0127	EA	18" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy-Duty, Knife Gate Valve (DeZurik KGC,18,BD,F1,S2,SMP,S2-CR*MN-HD20-S1)	14,451.98		1,254.34	
40 23 51 00-0128	EA	20" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy-Duty, Knife Gate Valve (DeZurik KGC,20,BD,F1,S2,SMP,S2-CR*MN-HD20-S1)	17,431.92		1,413.71	
40 23 51 00-0129	EA	24" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy-Duty, Knife Gate Valve (DeZurik KGC,24,BD,F1,S2,SMP,S2-CR*MN-HD24-S1)	26,268.41		1,735.01	
40 23 51 00-0130 Flanged, ANSI 150, 316 Stainless Steel, Acrylonitrile-Butadiene Seat, 316 Stainless Steel Disc, Single Body Sewage Combination Air Valves (40 23 51)						
40 23 51 00-0131	EA	1" Flanged, ANSI 150, 316 Stainless Steel, Acrylonitrile-Butadiene Seat, 316 Stainless Steel Disc, Single Body Sewage Combination Air Valve (DeZurik ASU,1,2,SCAV,F1,S2,R516-NBR-S2-S2-S2*)	6,715.90		93.19	
40 23 51 00-0132	EA	2" Flanged, ANSI 150, 316 Stainless Steel, Acrylonitrile-Butadiene Seat, 316 Stainless Steel Disc, Single Body Sewage Combination Air Valve (DeZurik ASU,2,SCAV,F1,S2,R516-NBR-S2-S2-S2*)	7,015.26		165.65	
40 23 51 00-0133	EA	3" Flanged, ANSI 150, 316 Stainless Steel, Acrylonitrile-Butadiene Seat, 316 Stainless Steel Disc, Single Body Sewage Combination Air Valve (DeZurik ASU,3,SCAV,F1,S2,R516-NBR-S2-S2-S2*)	8,434.18		211.52	
40 23 51 00-0134	EA	4" Flanged, ANSI 150, 316 Stainless Steel, Acrylonitrile-Butadiene Seat, 316 Stainless Steel Disc, Single Body Sewage Combination Air Valve (DeZurik ASU,4,SCAV,F1,S2,R516-NBR-S2-S2-S2*)	9,206.87		326.09	
40 23 51 00-0135 Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valves (40 23 51)						
40 23 51 00-0136	EA	2" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,2,F1L,S3,TC,S3NH-S10-S3-FT*PR-R1A-PC4)	5,386.21		165.65	
40 23 51 00-0137	EA	4" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,4,F1L,S3,TC,S3NH-S10-S3-FT*PR-R1A-PC4)	8,947.81		326.09	
40 23 51 00-0138	EA	6" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,6,F1L,S3,TC,S3NH-S10-S3-FT*PR-R2A-PC6)	12,094.93		386.91	
40 23 51 00-0139	EA	8" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,8,F1L,S3,TC,S3NH-S10-S3-FT*PR-R2A-PC6)	15,699.60		494.39	
40 23 51 00-0140	EA	10" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,10,F1L,S3,TC,S3NH-S10-S3-FT*PR-R2A-PC8)	21,271.79		601.86	
40 23 51 00-0141	EA	12" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,12,F1L,S3,TC,S3NH-S10-S3-FT*PR-R2A-PC8)	32,322.57		730.82	
40 23 51 00-0142	EA	14" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,14,F1S,S3,TC,S3NH-S10-S3-FT*PR-R2A-PC8)	37,112.32		1,028.15	

Process Interconnections			40
Liquids Process Piping			40 20
Water and Wastewater Process Piping			40 23

MINOR		DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
CSI	UOM			
40 23 51 00-0143	EA	16" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,16,F1S,S3,TC,S3NH-S10-S3-FT*PR-R3A-PC10).....	77,304.47	1,130.97
40 23 51 00-0144	EA	18" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,18,F1S,S3,TC,S3NH-S10-S3-FT*PR-R3A-PC10).....	90,783.02	1,254.34
40 23 51 00-0145	EA	20" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,20,F1S,S3,TC,S3NH-S10-S3-FT*PR-R3A-PC10).....	115,603.27	1,413.71
40 23 51 00-0146		Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valves <i>(40 23 51)</i>		
40 23 51 00-0147	EA	2" Lever Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,2,L1,S2,TC,S2-S5A-FT-TT*LT).....	1,652.53	165.65
40 23 51 00-0148	EA	2-1/2" Lever Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,2.5,L1,S2,TC,S2-S5A-FT-TT*LT).....	1,786.57	180.18
40 23 51 00-0149	EA	4" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,4,L1,S2,TC,S2-S5A-FT-TT*MG-7-HD8).....	2,722.25	326.09
40 23 51 00-0150	EA	4" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,4,L1,S2,TC,S2-S5A-FT-TT*MG-7-CW8).....	2,891.00	326.09
40 23 51 00-0151	EA	6" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,6,L1,S2,TC,S2-S5A-FT-TT*MG-7-HD8).....	3,780.06	386.91
40 23 51 00-0152	EA	6" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,6,L1,S2,TC,S2-S5A-FT-TT*MG-7-CW8).....	3,937.17	386.91
40 23 51 00-0153	EA	8" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,8,L1,S2,TC,S2-S5A-FT-TT*MG-7-HD8).....	4,877.09	494.39
40 23 51 00-0154	EA	8" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,8,L1,S2,TC,S2-S5A-FT-TT*MG-7-CW8).....	5,034.20	494.39
40 23 51 00-0155	EA	10" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,10,L1,S2,TC,S2-S5A-FT-TT*MG-1012-HD8).....	6,833.11	601.86
40 23 51 00-0156	EA	10" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,10,L1,S2,TC,S2-S5A-FT-TT*MG-1012-CW8).....	6,990.22	601.86
40 23 51 00-0157	EA	12" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,12,L1,S2,TC,S2-S5A-FT-TT*MG-1012-HD8).....	8,668.55	730.82
40 23 51 00-0158	EA	12" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,12,L1,S2,TC,S2-S5A-FT-TT*MG-1012-CW8).....	8,825.66	730.82
40 23 51 00-0159	EA	14" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,14,L1,S2,TC,S2-S5A-FT-TT*MG-1012-HD8).....	12,341.17	1,028.15
40 23 51 00-0160	EA	14" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,14,L1,S2,TC,S2-S5A-FT-TT*MG-1012-CW8).....	12,498.28	1,028.15
40 23 51 00-0161	EA	16" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,16,L1,S2,TC,S2-S5A-FT-TT*MG-1216-HD16).....	15,815.57	1,130.97
40 23 51 00-0162	EA	16" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,16,L1,S2,TC,S2-S5A-FT-TT*MG-1216-CW20).....	16,077.43	1,130.97
40 23 51 00-0163	EA	18" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,18,L1,S2,TC,S2-S5A-FT-TT*MG-1216-HD24).....	20,578.39	1,254.34
40 23 51 00-0164	EA	18" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,18,L1,S2,TC,S2-S5A-FT-TT*MG-1216-CW20).....	20,840.24	1,254.34
40 23 51 00-0165	EA	20" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,20,L1,S2,TC,S2-S5A-FT-TT*MG-1216-HD24).....	24,653.01	1,413.71
40 23 51 00-0166	EA	20" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,20,L1,S2,TC,S2-S5A-FT-TT*MG-16-CW30).....	25,428.09	1,413.71
40 23 51 00-0167	EA	24" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,24,L1,S2,TC,S2-S5-FT-TT*GS-12-HD16).....	42,546.34	1,735.01
40 23 51 00-0168	EA	24" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,24,L1,S2,TC,S2-S5-FT-TT*GS-12-CW20).....	43,096.81	1,735.01
40 23 51 00-0169	EA	30" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,30,L1,S2,TC,S2-S5-FT-TT*GS-12-HD30).....	66,620.52	2,748.03
40 23 51 00-0170	EA	30" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,30,L1,S2,TC,S2-S5-FT-TT*GS-12-CW30).....	66,934.74	2,748.03
40 23 51 00-0171	EA	36" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,36,L1,S2,TC,S2-S5-FT-TT*GS-12-HD30).....	90,320.89	3,664.04

40 Process Interconnections**40 20 Liquids Process Piping****40 23 Water and Wastewater Process Piping**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 23 51 00-0172	EA	36" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,36,L1,S2,TC,S2-S5-FT-TT*GS-12-CW30)	90,635.12	3,664.04
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40 23 51 00-0173 Plug, Bearings And Packing, Plug Valve Rebuild Kits (40 23 51)

40 23 51 00-0174	EA	2" Plug, Bearings And Packing, Plug Valve Rebuild Kit (DeZurik)	415.45	
40 23 51 00-0175	EA	4" Plug, Bearings And Packing, Plug Valve Rebuild Kit (DeZurik)	1,172.68	
40 23 51 00-0176	EA	6" Plug, Bearings And Packing, Plug Valve Rebuild Kit (DeZurik)	1,448.68	
40 23 51 00-0177	EA	8" Plug, Bearings And Packing, Plug Valve Rebuild Kit (DeZurik)	1,726.01	
40 23 51 00-0178	EA	10" Plug, Bearings And Packing, Plug Valve Rebuild Kit (DeZurik)	4,115.01	
40 23 51 00-0179	EA	12" Plug, Bearings And Packing, Plug Valve Rebuild Kit (DeZurik)	4,988.57	
40 23 51 00-0180	EA	14" Plug, Bearings And Packing, Plug Valve Rebuild Kit (DeZurik)	8,546.04	
40 23 51 00-0181	EA	16" Plug, Bearings And Packing, Plug Valve Rebuild Kit (DeZurik)	7,932.65	

40 23 51 00-0182 Air Cushioned, Lever And Weight, 125 Lb. Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valves (40 23 51)

40 23 51 00-0183	EA	3" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS)	3,993.45	194.52
40 23 51 00-0184	EA	4" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS)	4,750.88	326.09
40 23 51 00-0185	EA	6" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS)	5,399.94	386.91
40 23 51 00-0186	EA	8" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS)	6,724.21	494.39
40 23 51 00-0187	EA	10" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS)	8,981.58	601.86
40 23 51 00-0188	EA	12" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS)	12,497.84	730.82
40 23 51 00-0189	EA	14" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS)	18,353.61	1,028.15
40 23 51 00-0190	EA	16" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS)	20,607.95	1,130.97
40 23 51 00-0191	EA	18" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS)	24,954.14	1,254.34
40 23 51 00-0192	EA	20" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS)	26,622.86	1,413.71
40 23 51 00-0193	EA	24" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS)	49,007.46	1,735.01

40 23 51 00-0194 Lever And Weight, 125 Lb. Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valves (40 23 51)

40 23 51 00-0195	EA	3" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS)	2,804.59	194.52
40 23 51 00-0196	EA	4" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS)	3,507.77	326.09
40 23 51 00-0197	EA	6" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS)	4,074.07	386.91
40 23 51 00-0198	EA	8" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS)	5,610.48	494.39
40 23 51 00-0199	EA	10" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS)	7,761.77	601.86
40 23 51 00-0200	EA	12" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS)	10,157.67	730.82
40 23 51 00-0201	EA	14" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS)	17,332.69	1,028.15
40 23 51 00-0202	EA	16" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS)	19,540.62	1,130.97
40 23 51 00-0203	EA	18" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS)	23,486.84	1,254.34
40 23 51 00-0204	EA	20" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS)	25,060.54	1,413.71
40 23 51 00-0205	EA	24" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS)	43,933.78	1,735.01

40 23 51 00-0206 125 Lb. Flanged, Cast Iron Body, Stainless Steel Seat, Sewage Surge Relief Valves (40 23 51)

40 23 51 00-0207	EA	3" 125 LB Flanged, Cast Iron Body, Stainless Steel Seat, Sewage Surge Relief Valve (GA Industries GAX625DX)	9,732.28	194.52
40 23 51 00-0208	EA	4" 125 LB Flanged, Cast Iron Body, Stainless Steel Seat, Sewage Surge Relief Valve (GA Industries GAX625DX)	10,144.97	326.09
40 23 51 00-0209	EA	6" 125 LB Flanged, Cast Iron Body, Stainless Steel Seat, Sewage Surge Relief Valve (GA Industries GAX625DX)	13,271.21	386.91
40 23 51 00-0210	EA	8" 125 LB Flanged, Cast Iron Body, Stainless Steel Seat, Sewage Surge Relief Valve (GA Industries GAX625DX)	15,523.59	494.39
40 23 51 00-0211	EA	10" 125 LB Flanged, Cast Iron Body, Stainless Steel Seat, Sewage Surge Relief Valve (GA Industries GAX625DX)	22,540.85	601.86
40 23 51 00-0212	EA	12" 125 LB Flanged, Cast Iron Body, Stainless Steel Seat, Sewage Surge Relief Valve (GA Industries GAX625DX)	28,043.71	730.82

40 23 51 00-0213 Cast Iron Body, 316 Stainless Steel Internals, Sewage Combination Air Release And Air Vacuum Valves (40 23 51)

40 23 51 00-0214	EA	3" Cast Iron Body, 316 Stainless Steel Internals, Sewage Combination Air Release And Air Vacuum Valve (GA Industries GAX942FT)	2,355.84	194.52
40 23 51 00-0215	EA	4" Cast Iron Body, 316 Stainless Steel Internals, Sewage Combination Air Release And Air Vacuum Valve (GA Industries GAX942FT)	2,756.16	326.09

Process Interconnections		40	40
Liquids Process Piping		40 20	
Water and Wastewater Process Piping		40 23	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 23 51 00-0216	EA	6" Cast Iron Body, 316 Stainless Steel Internals, Sewage Combination Air Release And Air Vacuum Valve (GA Industries GAX942FT).....	4,238.80	386.91
40 23 51 00-0217	EA	8" Cast Iron Body, 316 Stainless Steel Internals, Sewage Combination Air Release And Air Vacuum Valve (GA Industries GAX942FT).....	4,697.35	494.39
40 23 51 00-0218	EA	10" Cast Iron Body, 316 Stainless Steel Internals, Sewage Combination Air Release And Air Vacuum Valve (GA Industries GAX942FT).....	5,638.29	601.86
40 23 51 00-0219	EA	12" Cast Iron Body, 316 Stainless Steel Internals, Sewage Combination Air Release And Air Vacuum Valve (GA Industries GAX942FT).....	8,080.31	730.82

END OF SECTION 40

40	40	Process Interconnections	
	40 20	Liquids Process Piping	
	40 23	Water and Wastewater Process Piping	



MINOR				TOTAL DIRECT		DEMOLITION
CSI UOM DESCRIPTION				UNIT COST		UNIT COST

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41 Material Processing and Handling Equipment

41 01 Operation and Maintenance of Material Processing and Handling Equipment⁽⁴¹⁾

41 01 20 Operation and Maintenance of Piece Material Handling Equipment^(41 01)

41 01 20 13 Operation And Maintenance Of Hoists Or Cranes^(41 01 20)

41 01 20 13-0001 Maintenance^(41 01 20 13)

41 01 20 13-0002	EA	Regular Inspection.....	430.30	
41 01 20 13-0003	HR	Hoist Or Crane Servicing, Labor Only.....	129.14	
41 01 20 13-0004	MO	Hoist Or Crane Maintenance Contract.....	1,029.47	

41 20 Piece Material Handling Equipment⁽⁴¹⁾

41 22 Cranes and Hoists^(41 20)

41 22 23 Hoists^(41 22)

41 22 23 13 Fixed Hoists^(41 22 23)

41 22 23 13-0001 Air-Powered Chain Hoists^(41 22 23 13)

Note: Excludes beam.

41 22 23 13-0002	EA	500 Lb. Capacity, Air-Powered Chain Hoist.....	7,824.51	437.83
41 22 23 13-0003	EA	1,000 Lb. Capacity, Air-Powered Chain Hoist.....	7,915.86	437.83
41 22 23 13-0004	EA	2,000 Lb. Capacity, Air-Powered Chain Hoist.....	9,543.56	437.83
41 22 23 13-0005	EA	4,000 Lb. Capacity, Air-Powered Chain Hoist.....	12,055.19	583.77
41 22 23 13-0006	EA	6,000 LB Capacity, Air-Powered Chain Hoist.....	15,213.22	729.71
41 22 23 13-0007	EA	8,000 LB Capacity, Air-Powered Chain Hoist.....	17,912.83	1,072.38
41 22 23 13-0008	EA	10,000 LB Capacity, Air-Powered Chain Hoist.....	20,678.69	1,295.23
41 22 23 13-0009	EA	12,000 LB Capacity, Air-Powered Chain Hoist.....	21,446.97	1,295.23

41 22 23 13-0010 Electric Hoists^(41 22 23 13)

41 22 23 13-0011 Electric Industrial Chain Hoists^(41 22 23 13-0010)

Note: Includes 20' of chain. Excludes beams.

41 22 23 13-0012	EA	500 LB Capacity, Electric Industrial Chain Hoist.....	2,779.07	423.23
		For DC Electrical Operated, Add	482.51	
		For Each LF Copper Conductor Bar, Add	10.50	
41 22 23 13-0013	EA	1,000 LB Capacity, Electric Industrial Chain Hoist.....	2,885.64	423.23
		For DC Electrical Operated, Add	508.58	
		For Each LF Copper Conductor Bar, Add	10.50	
41 22 23 13-0014	EA	2,000 LB Capacity, Electric Industrial Chain Hoist.....	3,157.47	423.23
		For DC Electrical Operated, Add	573.05	
		For Each LF Copper Conductor Bar, Add	10.50	
41 22 23 13-0015	EA	3,000 LB Capacity, Electric Industrial Chain Hoist.....	4,588.09	437.83
		For DC Electrical Operated, Add	921.46	
		For Each LF Copper Conductor Bar, Add	10.50	
41 22 23 13-0016	EA	4,000 LB Capacity, Electric Industrial Chain Hoist.....	4,011.69	437.83
		For DC Electrical Operated, Add	774.76	
		For Each LF Copper Conductor Bar, Add	10.50	
41 22 23 13-0017	EA	5,000 LB Capacity, Electric Industrial Chain Hoist.....	5,588.74	452.42
		For DC Electrical Operated, Add	1,157.27	
		For Each LF Copper Conductor Bar, Add	10.50	
41 22 23 13-0018	EA	6,000 LB Capacity, Electric Industrial Chain Hoist.....	5,163.00	496.20
		For DC Electrical Operated, Add	1,009.99	
		For Each LF Copper Conductor Bar, Add	10.50	
41 22 23 13-0019	EA	7,500 LB Capacity, Electric Industrial Chain Hoist.....	6,283.80	612.96
		For DC Electrical Operated, Add	1,283.05	
		For Each LF Copper Conductor Bar, Add	10.50	
41 22 23 13-0020	EA	10,000 LB Capacity, Electric Industrial Chain Hoist.....	7,303.16	622.89
		For DC Electrical Operated, Add	1,556.39	
		For Each LF Copper Conductor Bar, Add	10.50	
41 22 23 13-0021	EA	15,000 LB Capacity, Electric Industrial Chain Hoist.....	11,578.06	649.97
		For DC Electrical Operated, Add	2,569.25	
		For Each LF Copper Conductor Bar, Add	10.50	
41 22 23 13-0022	EA	20,000 LB Capacity, Electric Industrial Chain Hoist.....	13,791.29	677.05
		For DC Electrical Operated, Add	3,108.48	
		For Each LF Copper Conductor Bar, Add	10.50	
41 22 23 13-0023	EA	25,000 LB Capacity, Electric Industrial Chain Hoist.....	18,897.66	704.13
		For DC Electrical Operated, Add	4,370.62	
		For Each LF Copper Conductor Bar, Add	10.50	
41 22 23 13-0024	EA	30,000 LB Capacity, Electric Industrial Chain Hoist.....	24,083.40	771.84
		For DC Electrical Operated, Add	5,633.03	
		For Each LF Copper Conductor Bar, Add	10.50	

41 22 23 13-0025 Hand Chain Hoists^(41 22 23 13)

41 22 23 13-0026	EA	1,000 LB Capacity, Hand Chain Hoist.....	1,877.95	169.36
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41 Material Processing and Handling Equipment**41 20 Piece Material Handling Equipment****41 22 Cranes and Hoists**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

41 22 23 13-0027	EA	2,000 LB Capacity, Hand Chain Hoist	2,212.18	171.69
41 22 23 13-0028	EA	3,000 LB Capacity, Hand Chain Hoist	2,969.11	179.81
41 22 23 13-0029	EA	4,000 LB Capacity, Hand Chain Hoist	3,341.61	182.12
41 22 23 13-0030	EA	5,000 LB Capacity, Hand Chain Hoist	4,032.28	191.41
41 22 23 13-0031	EA	6,000 LB Capacity, Hand Chain Hoist	4,515.91	223.88
41 22 23 13-0032	EA	10,000 LB Capacity, Hand Chain Hoist	6,260.36	230.85
41 22 23 13-0033	EA	16,000 LB Capacity, Hand Chain Hoist	8,174.91	278.41
41 22 23 13-0034	EA	20,000 LB Capacity, Hand Chain Hoist	9,984.61	291.17
41 22 23 13-0035	EA	30,000 LB Capacity, Hand Chain Hoist	17,594.56	332.94

END OF SECTION 41

Process Gas and Liquid Handling, Purification, and Storage Equipment	43
Gas Handling Equipment	43 10
Gas Fans, Blowers, Pumps And Boosters	43 11

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

43 Process Gas and Liquid Handling, Purification, and Storage Equipment

43 10 Gas Handling Equipment ⁽⁴³⁾

43 11 Gas Fans, Blowers, Pumps And Boosters ^(43 10)

43 11 43 Gas-handling Vacuum Pumps ^(43 11)

43 11 43 00-0001	Vacuum Pumps ^(43 11 43)		
43 11 43 00-0002	EA 20 SCFM, Duplex Vacuum Pump	5,365.40	770.96
43 11 43 00-0003	EA 60 SCFM, 10 HP Vacuum Pump	8,048.14	1,242.62
43 11 43 00-0004	EA 180 SCFM, Triplex Vacuum Pump	9,594.05	1,541.94
43 11 43 00-0005	EA Vacuum Pressure Pump, Millipore #XX5500000 Or Equal, 115 Volt, 60 Hertz	1,788.08	571.87

43 20 Liquid Handling Equipment ⁽⁴³⁾

43 23 Dry Location Liquid Pumps ^(43 20)

43 23 78 Controlled Volume Horizontal Reciprocating Pumps ^(43 23)

43 23 78 31 Controlled Volume Horizontal Mechanically-Coupled Diaphragm Simplex Reciprocating Pumps ^(43 23 78)

43 23 78 31-0001	Diaphragm Pump ^(43 23 78 31)		
43 23 78 31-0002	EA 28 GPH Diaphragm Pump, Adjustable Flow 0-100% 250 PSI	4,973.87	

43 24 Suspended Liquid Pumps ^(43 20)

43 24 41 Archimedes Screw Pumps ^(43 24)

43 24 41 23 Positive-Displacement Inclined Closed-casing Archimedes Screw-type Pumps ^(43 24 41)

43 24 41 23-0001	Positive Displacement Pump ^(43 24 41 23)		
43 24 41 23-0002	EA 25 GPH Positive Displacement Pump, Adjustable Flow 0-100% 200 PSI Neoprene Packing	4,090.02	

43 40 Gas and Liquid Storage ⁽⁴³⁾

43 42 Pressurized Tanks And Vessels ^(43 40)

43 42 41 Metallic Specialty Pressure Tanks ^(43 42)

43 42 41 00-0001	L.P.G. Tanks With Regulator And Safety Controls ^(43 42 41)		
43 42 41 00-0002	EA 250 Gallon Aboveground LP Gas Storage Tank	2,202.88	134.16
43 42 41 00-0003	EA 500 Gallon Aboveground LP Gas Storage Tank	4,079.89	201.24
43 42 41 00-0004	EA 1,000 Gallon Aboveground LP Gas Storage Tank	5,849.57	214.66

END OF SECTION 43

43	43	Process Gas and Liquid Handling, Purification, and Storage Equipment	
	43 40	Gas and Liquid Storage	
	43 42	Pressurized Tanks And Vessels	



MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST

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